MAD SEPTEMBER 2022

PROJECT ID: 5310-02-745, 5992-11-01/02

WITH: N/A

COUNTY: DANE

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5310-02-75	WISC 2022380	1
5992-11-01	WISC 2022382	1
5992-11-02		

ORDER OF SHEETS

Section No. 1 Title
Section No. 2 Typical Sections and Details (Includes Erosion Control Plans)
Section No. 3 Estimate of Quantities
Section No. 3 Miscellaneous Quantities
Section No. 4 Right of Way Plat
Section No. 5 Plan and Profile
Section No. 6 Standard Detail Drawings
Section No. 7 Sign Plates
Section No. 8 Structure Plans
Section No. 9 Computer Earthwork Data
Section No. 9 Cross Sections

TOTAL SHEETS = 1126

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

SPRING GREEN -MADISON

PLEASANT VIEW ROAD INTERSECTION

USH 14

DANE COUNTY

STATE PROJECT NUMBER 5310-02-75

C OF MIDDLETON, PLEASANT VIEW ROAD

TIMBER WOLF TRAIL TO USH 14

LOCAL STREET

DANE COUNTY

STATE PROJECT NUMBER 5992-11-01

TIMBER WOLF TRAIL TO USH 14

LOCAL STREET

DANE COUNTY

STATE PROJECT NUMBER 5992-11-02



N

ROADWAY IMPROVEMENT LOCATIONS

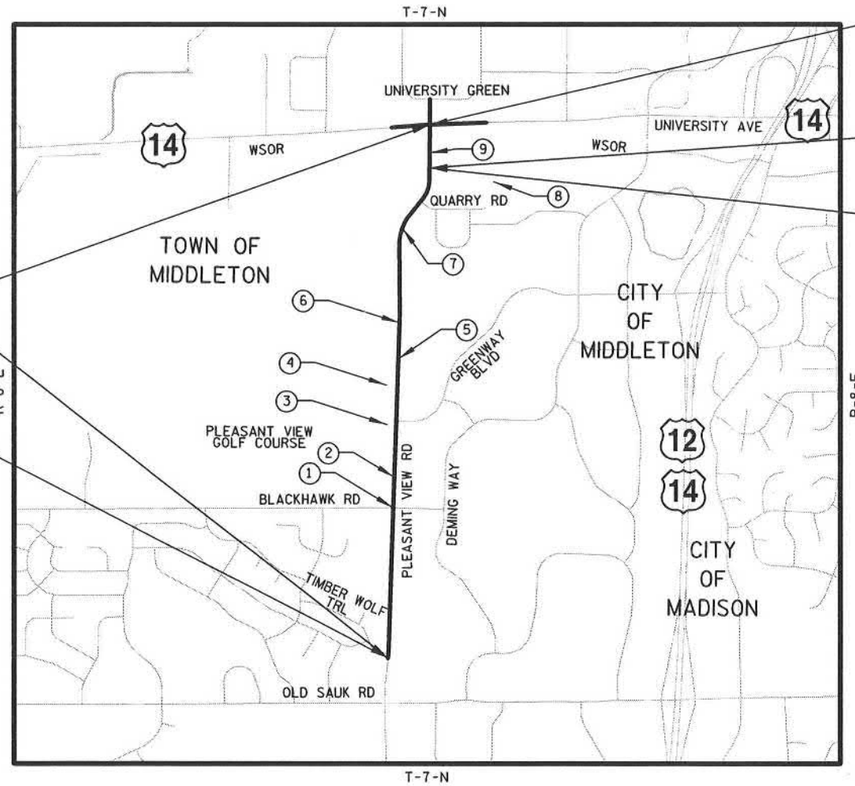
1. R-13-362
2. R-13-363
3. POND D
4. POND E
5. R-13-364
6. B-13-892, R-13-365, R-13-366, R-13-367
7. R-13-368
8. POND F
9. R-13-369

DESIGN DESIGNATION 5992-11-00

A.A.D.T.	(2018)	= 10,475 - 13,550
A.A.D.T.	(2038)	= 12,300 - 16,450
D.H.V.	(2038)	= 970 - 1,300
D.D.		= 59 / 41
T.		= 7.9%
DESIGN SPEED		= 40 MPH
ESALS		= 1,170,000 - 1,607,000

PROJECT 5992-11-02
INTERMITTENT LOCATIONS

BEGIN PROJECT 5992-11-01
STA. 108+32.00
Y = 483,520.18
X = 780,357.55



END PROJECT 5310-02-75
STA. 182+12.38

BEGIN PROJECT 5310-02-75
STA. 178+00.00
Y = 490,333.48
X = 780,932.38

END PROJECT 5992-11-01
STA. 178+00.00

LAYOUT
SCALE 0 0.5 MI.

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES

- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

PROJECT ID: 5992-11-01 - TOTAL NET LENGTH OF CENTERLINE = 1.320 MI.
PROJECT ID: 5992-11-02 - TOTAL NET LENGTH OF CENTERLINE = 0.000 MI.
PROJECT ID: 5310-02-75 - TOTAL NET LENGTH OF CENTERLINE = 0.078 MI.
TOTAL NET LENGTH OF CENTERLINE = 1.398 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), DANE COUNTY.

SANITARY SEWER AND WATER MAIN
DESIGNED BY: STRAND ASSOCIATES, INC.

WISCONSIN
THOMAS G. STETZER
E-41119
MADISON
WI
PROFESSIONAL ENGINEER
3-3-2022

ACCEPTED FOR THE CITY OF MADISON

DATE: 3/3/2022 Greg Fries
CITY ENGINEER

ACCEPTED FOR THE CITY OF MIDDLETON

DATE: 3/3/2022 Shawn Hauske
CITY ENGINEER

ORIGINAL PLANS PREPARED BY:

STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
MADISON, WISCONSIN 53715
(608) 251-4843

WISCONSIN
BRIAN M. ANDREAS
E-28413
Madison, WI
PROFESSIONAL ENGINEER
Brian M. Andreas
3/3/2022

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	STRAND ASSOCIATES, INC.
Designer	STRAND ASSOCIATES, INC.
Regional Examiner	LORRAINE BETZEL
Regional Supervisor	TODD MATHESON

APPROVED FOR THE DEPARTMENT

DATE: 4/29/22 Lorraine Betzel
(Signature)

E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\010101_t1.dgn PLOT DATE : 3/3/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 10

2

GENERAL NOTES

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S EROSION CONTROL IMPLEMENTATION PLAN (ECIP) AND APPROVED BY THE ENGINEER IN CONSULTATION WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE RESTORED AS DIRECTED BY THE ENGINEER.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FLANGE LINE UNLESS OTHERWISE NOTED.

THE EXACT LOCATION AND WIDTH OF DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. DRIVEWAYS SHALL BE REPLACED IN KIND. COMMERCIAL DRIVEWAYS SHALL BE A MAXIMUM OF 30 FEET WIDE. ALL RESIDENTIAL DRIVEWAYS SHALL BE A MAXIMUM OF 20 FEET WIDE.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

PIPE ELEVATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.

GRADES SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA PAVEMENT LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, BIKE OR PARKING LANE.

UTILITIES

ALLIANT ENERGY - ELECTRIC DISTRIBUTION
ATTENTION: NICHOLAS DACHNIWSKYJ
935 WBR TOWNLINE ROAD
BELOIT, WI 53511
PHONE: (608) 364-6566 MOBILE: (608) 444-9362
E-MAIL: NICHOLASDACHNIWSKYJ@ALLIANTENERGY.COM

ATC MANAGEMENT, INC. - ELECTRIC TRANSMISSION
ATTENTION: JEFF FOSTER
2485 RINDEN ROAD
COTTAGE GROVE, WI 53527
PHONE: (608) 877-7126 MOBILE: (608) 669-6178
E-MAIL: JFOSTER@ATCLLC.COM

CHARTER COMMUNICATIONS - COMMUNICATIONS
ATTENTION: JON MARSCHKE
2701 DANIELS STREET
MADISON, WI 53718
PHONE: (608) 225-2479
E-MAIL: JON.MARSCHKE@CHARTER.COM

CITY OF MADISON - SANITARY SEWER
ATTENTION: JAY SCHLIMGEN
1600 EMIL STREET
MADISON, WI 53713
PHONE: (608) 266-4087
E-MAIL: JSCHLIMGEN@CITYOFMADISON.COM

CITY OF MADISON - TRAFFIC SIGNALS & STREET LIGHTING
ATTENTION: GRETCHEN AVILES PINEIRO
MADISON MUNICIPAL BUILDING, SUITE 109
215 MARTIN LUTHER KING JR. BOULEVARD
MADISON, WI 53703
PHONE: (608) 266-4899
E-MAIL: GAVILESPINEIRO@CITYOFMADISON.COM

CITY OF MIDDLETON - SANITARY SEWER AND WATERMAIN
ATTENTION: DAVE SARBACKER
7426 HUBBARD AVENUE
MIDDLETON, WI 53562
PHONE: (608) 821-8375
E-MAIL: DSARBACKER@CITYOFMIDDLETON.US
UTILITY CONSTRUCTION CONTACT:
RYAN MADIGAN
PHONE: (608) 513-5464
RMADIGAN@CITYOFMIDDLETON.US

MADISON GAS & ELECTRIC - ELECTRIC DISTRIBUTION
ATTENTION: MARK BOHM
P.O. BOX 1231
MADISON, WI 53701-1231
PHONE: (608) 252-4730 MOBILE: (608) 516-7930
E-MAIL: MBOHM@MGE.COM

MADISON GAS & ELECTRIC - GAS
ATTENTION: ROGER AHLES
133 S. BLAIR STREET
MADISON, WI 53597
PHONE: (608) 252-5682
E-MAIL: RAHLES@MGE.COM

MADISON WATER UTILITY - WATERMAIN
ATTENTION: KELLY MIESS
119 EAST OLIN AVENUE
MADISON, WI 53713
PHONE: (608) 261-9640
E-MAIL: KMIESS@MADISONWATER.ORG

RESTECH SERVICES - COMMUNICATION
ATTENTION: TOM MERKES
2901 LATHAM DRIVE
MADISON, WI 53713
PHONE: (608) 237-1113
E-MAIL: TMERKES@RESTECHSERVICES.NET

TDS METROCOM - COMMUNICATIONS
ATTENTION: JERRY MYERS
525 JUNCTION ROAD
5N, ROUTE ACQUISITION
MADISON, WI 53717
PHONE: (608) 664-4404
E-MAIL: JERRY.MYERS@TDSTELECOM.COM

TDS TELECOMMUNICATIONS - COMMUNICATIONS
ATTENTION: JERRY MYERS
525 JUNCTION ROAD
5N, ROUTE ACQUISITION
MADISON, WI 53717
PHONE: (608) 664-4404
E-MAIL: JERRY.MYERS@TDSTELECOM.COM

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SECTION 2 ORDER OF SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
EROSION CONTROL
STORM SEWER
WATER UTILITY PLAN
SANITARY SEWER UTILITY PLAN
SIGN REMOVAL DETAILS
PERMANENT SIGNING
STREET LIGHTING AND ELECTRICAL
PAVEMENT MARKING
ADVANCED WARNING SIGNING
DETOUR SIGNING
ALIGNMENT DATA AND CONTROL POINT DATA SHEET

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

RAILROAD CONTACT

ROGER SCHAALMA
WISCONSIN & SOUTHERN RAILROAD
1890 E. JOHNSON STREET
MADISON, WI 53704
(608) 620-2044
E-MAIL: RSCHAALMA@WATCOCOMPANIES.COM

CITY OF MADISON CONTACT

ANDREW ZWIEG, P.E.
210 MARTIN LUTHER KING JR. BLVD., RM 115
MADISON, WI 53703
(608) 266-9219
E-MAIL: azwieg@cityofmadison.com

CITY OF MIDDLETON CONTACT

SHAWN STAUSKE, P.E.
7426 HUBBARD AVE.
MIDDLETON, WI 53562
(608) 821-8381
E-MAIL: sstauske@cityofmiddleton.us

DESIGN CONTACT

BRIAN ANDREAS, P.E.
STRAND ASSOCIATES, INC.
910 WEST WINGRA DRIVE
MADISON, WI 53715
(608) 251-4843
E-MAIL: brian.andreas@strand.com

DNR LIAISON

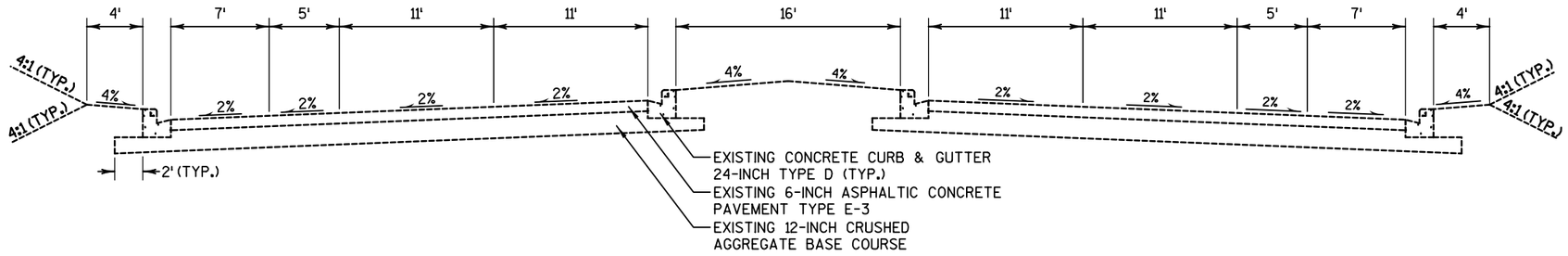
ERIC HEGGELUND
SOUTH CENTRAL REGION
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
(608) 275-3301
E-MAIL: eric.heggelund@wisconsin.gov

WISCONSIN DOT FIBER NETWORK

DAVID WRONSKI
2101 WRIGHT STREET
MADISON, WI 53704-2583
(608) 243-3383
E-MAIL: DAVID.WRONSKI@DOT.WI.GOV

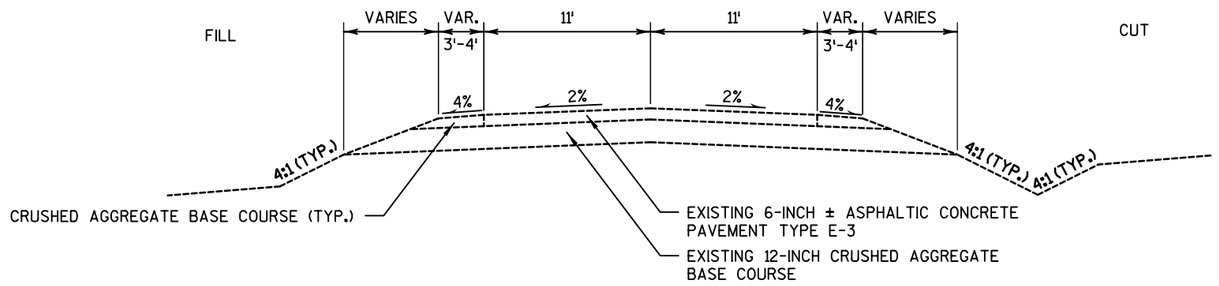


PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PROJECT OVERVIEW	SHEET 3	E



EXISTING TYPICAL SECTION - PLEASANT VIEW ROAD

STA. 108+32 - STA. 112+25

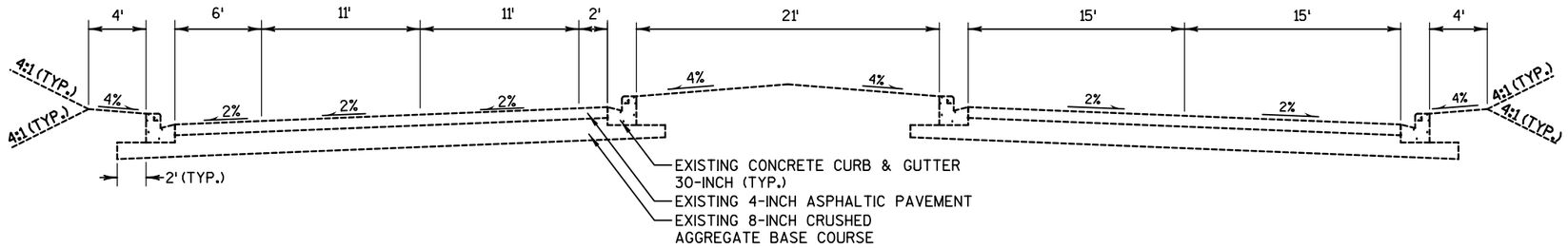


EXISTING TYPICAL SECTION - PLEASANT VIEW ROAD

STA. 112+25 - STA. 182+12

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EXISTING TYPICAL SECTION	SHEET 4	E

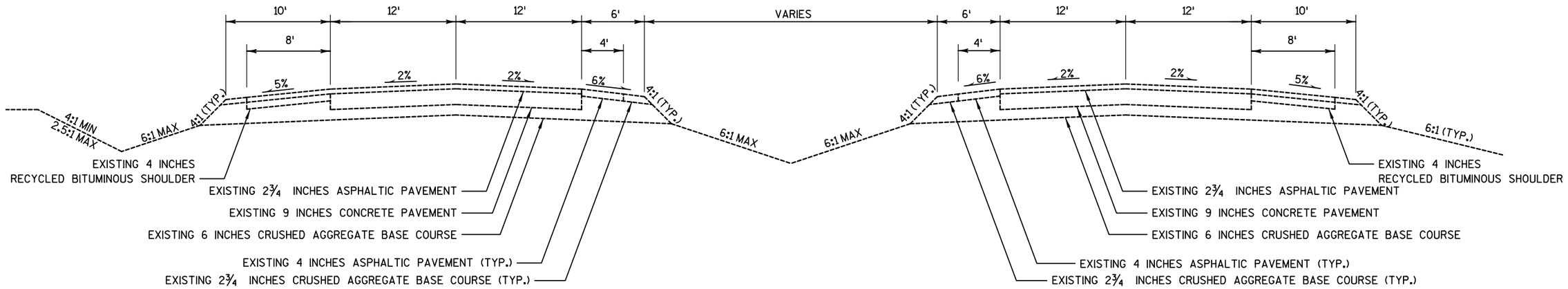
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EXISTING TYPICAL SECTION - PLEASANT VIEW ROAD

STA. 183+08 - STA. 185+64

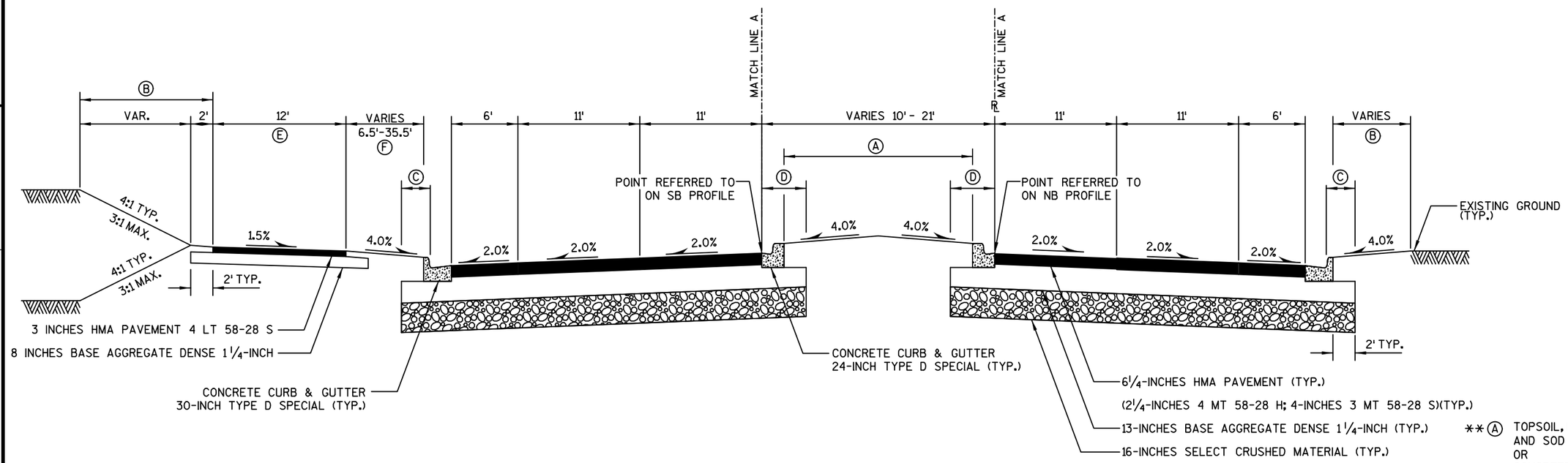
PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	EXISTING TYPICAL SECTION	SHEET 5	E



TYPICAL EXISTING SECTION - USH 14

STA. 94+13.11 U - STA. 108+25.51 U

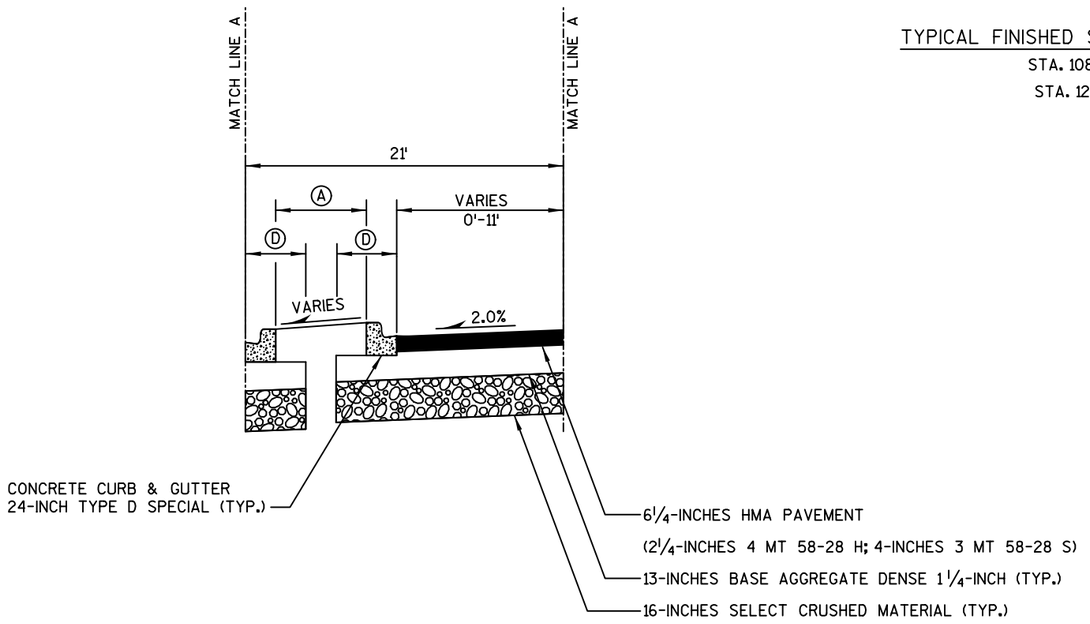
PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	EXISTING TYPICAL SECTION	SHEET 6	E



TYPICAL FINISHED SECTION - PLEASANT VIEW ROAD

STA. 108+32.00 - STA. 127+95.24

STA. 129+16.31 - STA. 140+13.00



STA. 119+23.82 - STA. 121+18.43

** Ⓐ TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN
OR
CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE CUSTOM OVER 4-INCHES BASE AGGREGATE DENSE 1 1/4-INCH

** Ⓑ TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40, MULCHING OR EROSION MAT CLASS I TYPE A (SEE MISC. QUANTITY TABLES FOR LOCATIONS)

Ⓒ 2' LATERAL CLEARANCE

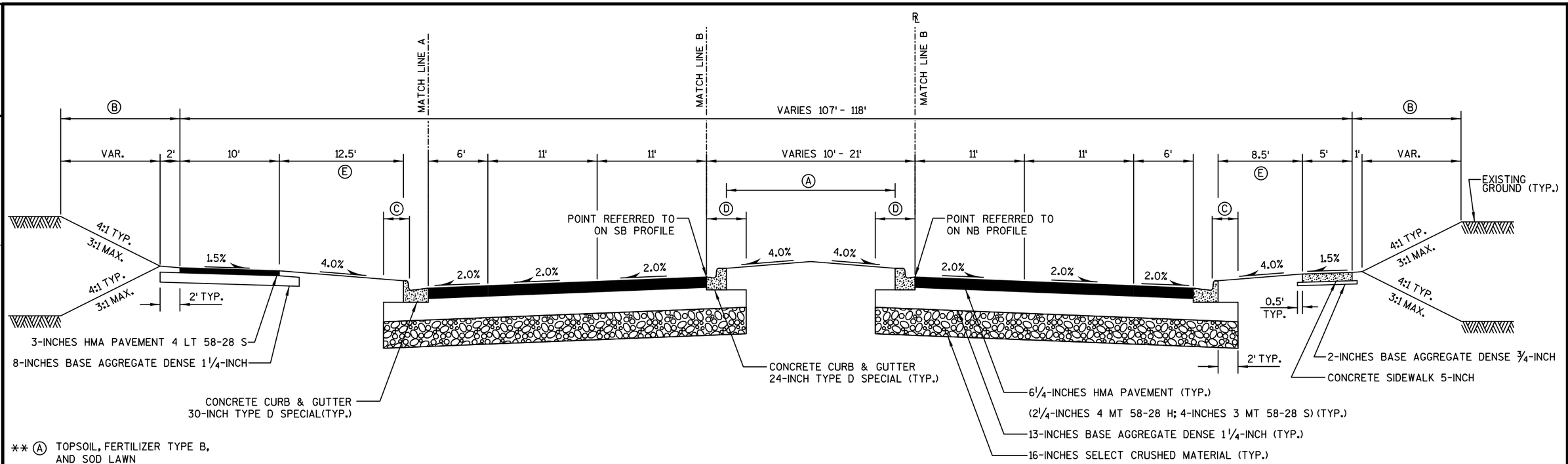
Ⓓ 4' LATERAL CLEARANCE

Ⓔ 10' STA. 129+16.31 TO STA. 140+13.00

** Ⓕ TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN

** 18-INCHES TOPSOIL IN MEDIANS
4-INCHES ELSEWHERE

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	TYPICAL FINISHED SECTIONS	SHEET 7	E



TYPICAL FINISHED SECTION - PLEASANT VIEW ROAD

STA. 141+36.28 - STA. 170+79.29
STA. 172+05.61 - STA. 182+12.38

** (A) TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN
OR
CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE CUSTOM OVER 4-INCHES BASE AGGREGATE DENSE 1 1/4-INCH

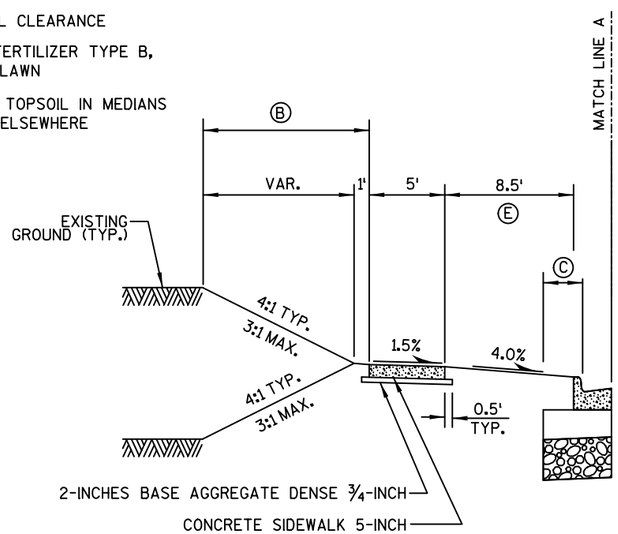
** (B) TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40, MULCHING OR EROSION MAT CLASS I TYPE A (SEE MISC. QUANTITY TABLES FOR LOCATIONS)

(C) 2' LATERAL CLEARANCE

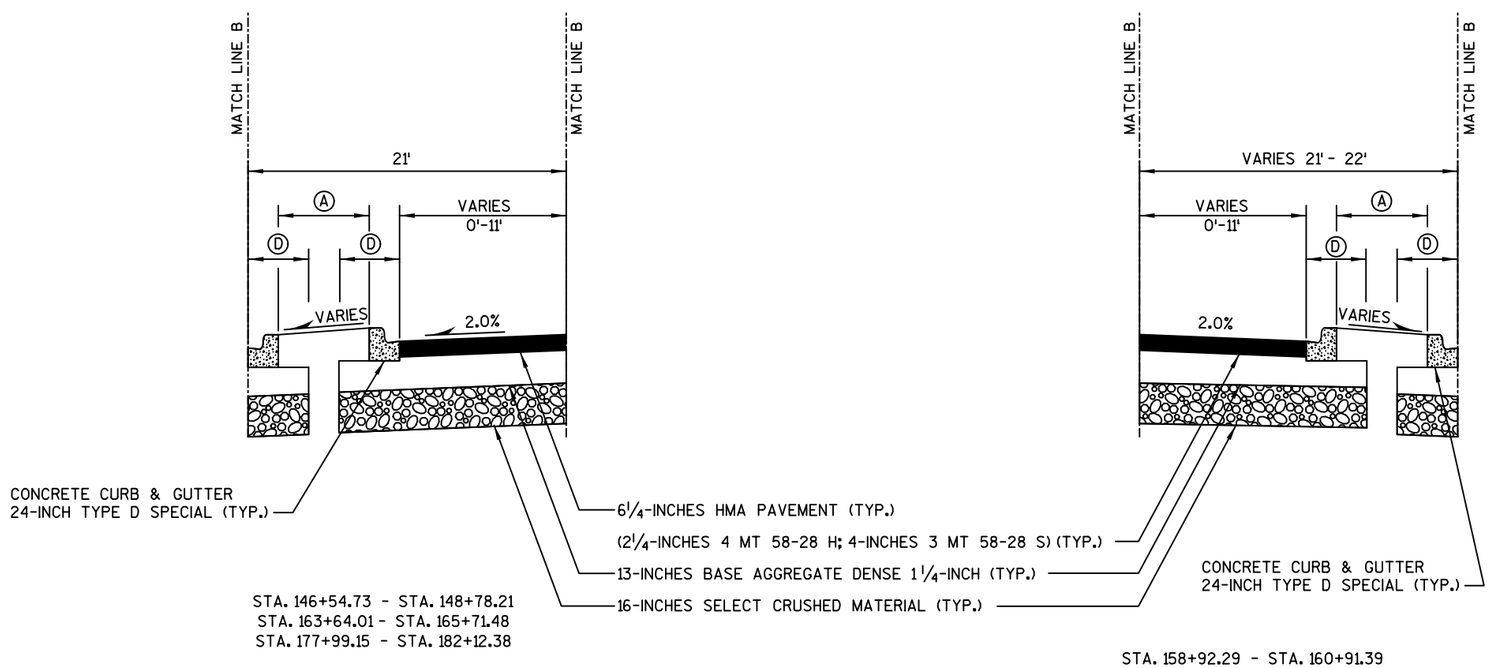
(D) 4' LATERAL CLEARANCE

** (E) TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN

** 18-INCHES TOPSOIL IN MEDIANS 4-INCHES ELSEWHERE



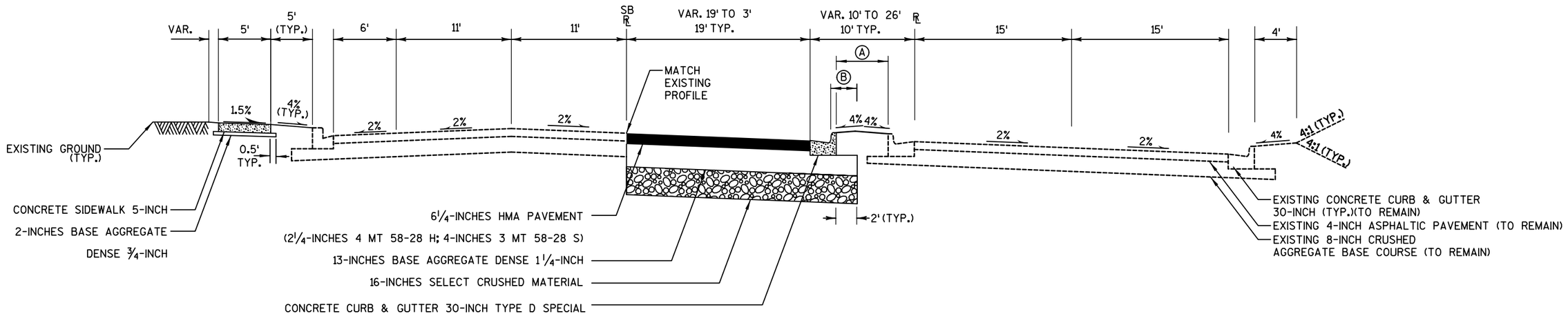
STA. 152+47.00 - STA. 182+12.38



STA. 146+54.73 - STA. 148+78.21
STA. 163+64.01 - STA. 165+71.48
STA. 177+99.15 - STA. 182+12.38

STA. 158+92.29 - STA. 160+91.39
STA. 175+55.96 - STA. 177+23.73

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	TYPICAL FINISHED SECTIONS	SHEET 8	E



TYPICAL FINISHED SECTION - PLEASANT VIEW ROAD

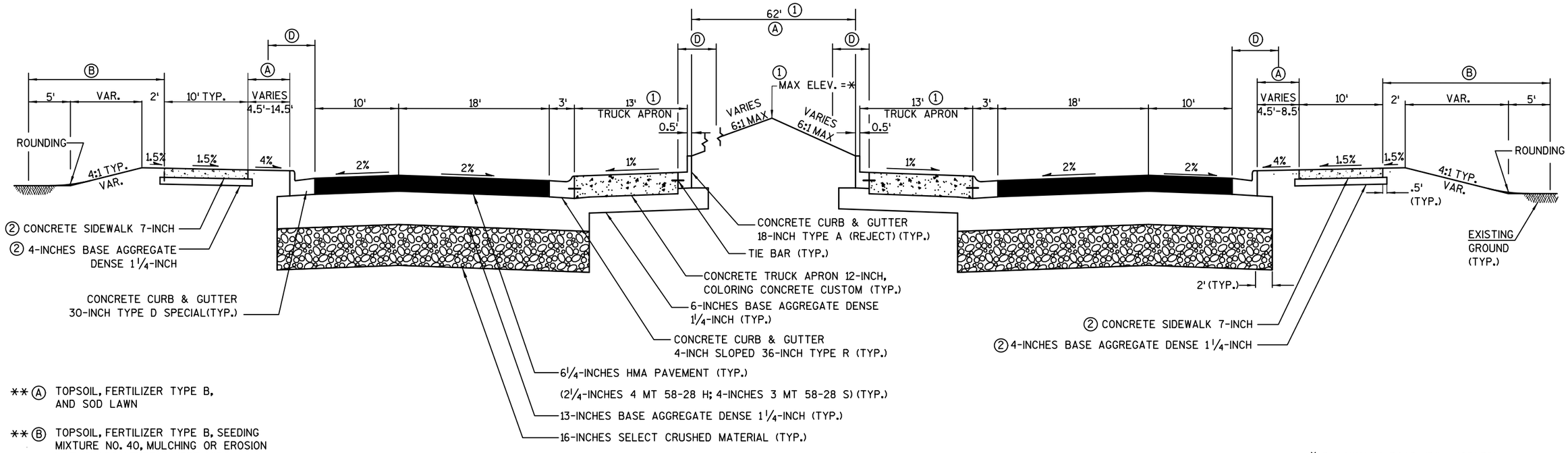
STA. 183+10.06 - STA. 186+20.00

** (A) TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN

(B) 4' LATERAL CLEARANCE

** 18-INCHES TOPSOIL IN MEDIANS
4-INCHES ELSEWHERE

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	TYPICAL FINISHED SECTIONS	SHEET 9	E



** Ⓐ TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN

** Ⓑ TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40, MULCHING OR EROSION MAT CLASS I TYPE A (SEE MISC. QUANTITY TABLES FOR LOCATIONS)

Ⓒ 2' LATERAL CLEARANCE

Ⓓ 4' LATERAL CLEARANCE

① SEE PLAN DETAILS FOR ADDITIONAL INFORMATION

② SEE PLAN DETAILS FOR LOCATIONS OF 3 INCHES ASPHALTIC SURFACE OVER 6 INCHES BASE AGGREGATE DENSE 1 1/4-INCH

** 18-INCHES TOPSOIL IN MEDIANS
4-INCHES ELSEWHERE

* BLACKHAWK ROAD (B1) = 1021.30'

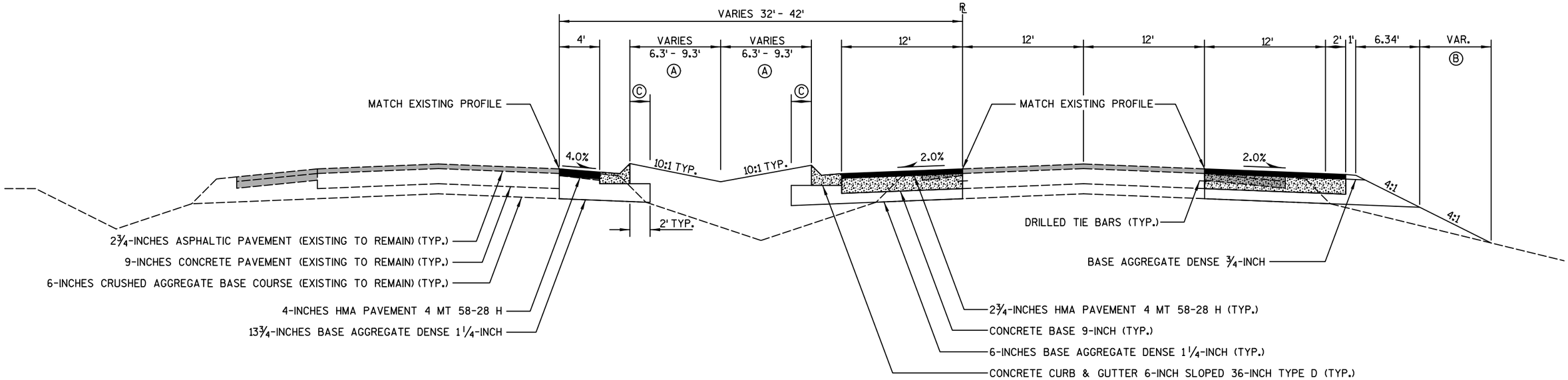
GREENWAY BLVD (G1) = 1023.80'

QUARRY ROAD (Q1) = 962.35'

TYPICAL FINISHED SECTION THROUGH ROUNDABOUT

STA. 10+00.00 B1 - STA. 12+98.45 B1
STA. 10+00.00 G1 - STA. 12+98.45 G1
STA. 10+00.00 Q1 - STA. 12+98.45 Q1

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	TYPICAL FINISHED SECTIONS	SHEET 10	E



TYPICAL FINISHED SECTION - USH 14

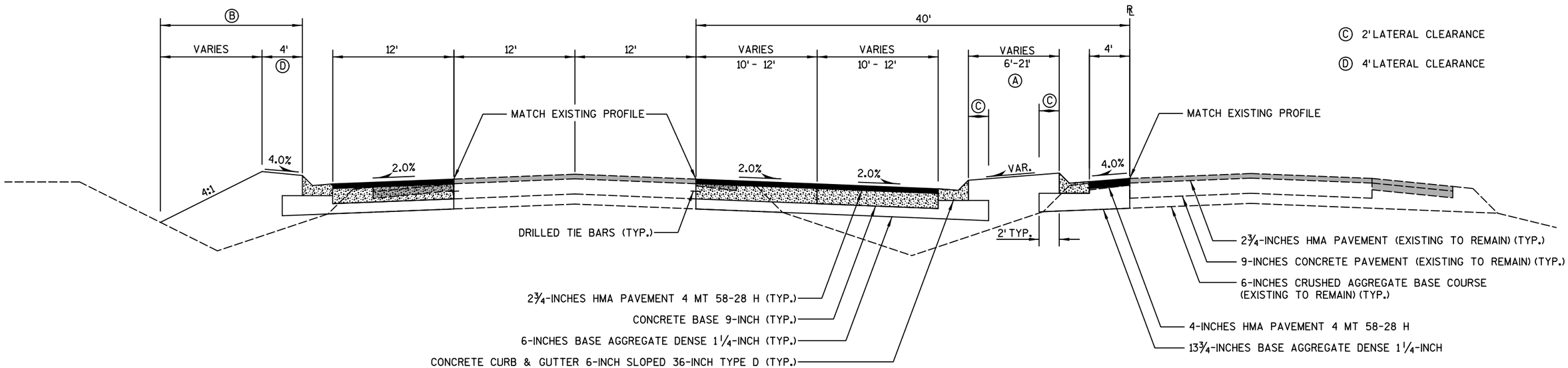
STA. 94+13.11 U - STA. 99+39.74 U

Ⓐ TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN

Ⓑ TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40, MULCHING OR EROSION MAT CLASS I TYPE A (SEE MISC. QUANTITY TABLES FOR LOCATIONS)

Ⓒ 2' LATERAL CLEARANCE

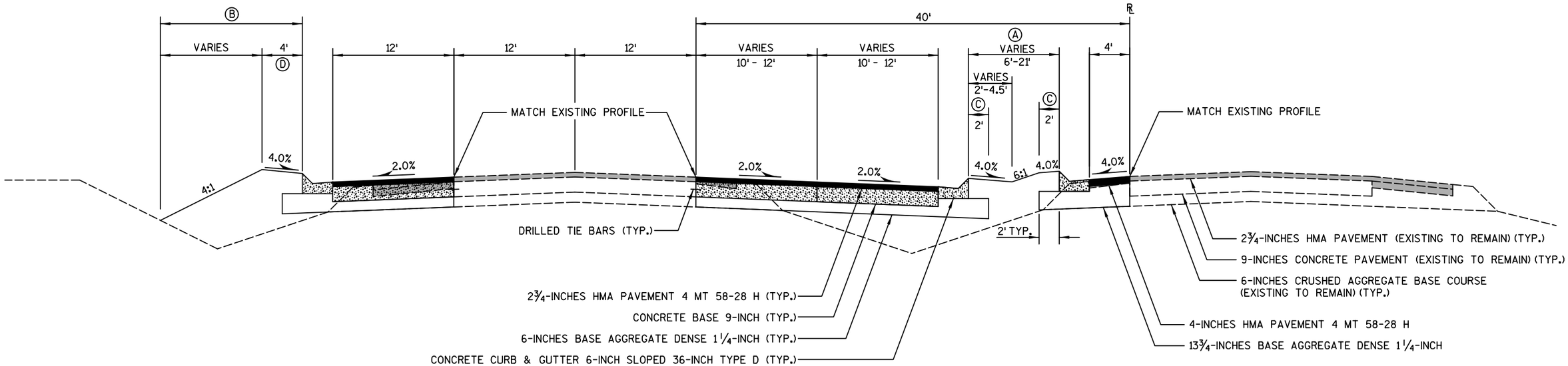
Ⓓ 4' LATERAL CLEARANCE



TYPICAL FINISHED SECTION - USH 14

STA. 100+35.95 U - STA. 103+00.00 U

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	TYPICAL FINISHED SECTIONS	SHEET 11	E



TYPICAL FINISHED SECTION - USH 14

STA. 103+00.00 U - STA. 108+25.51 U

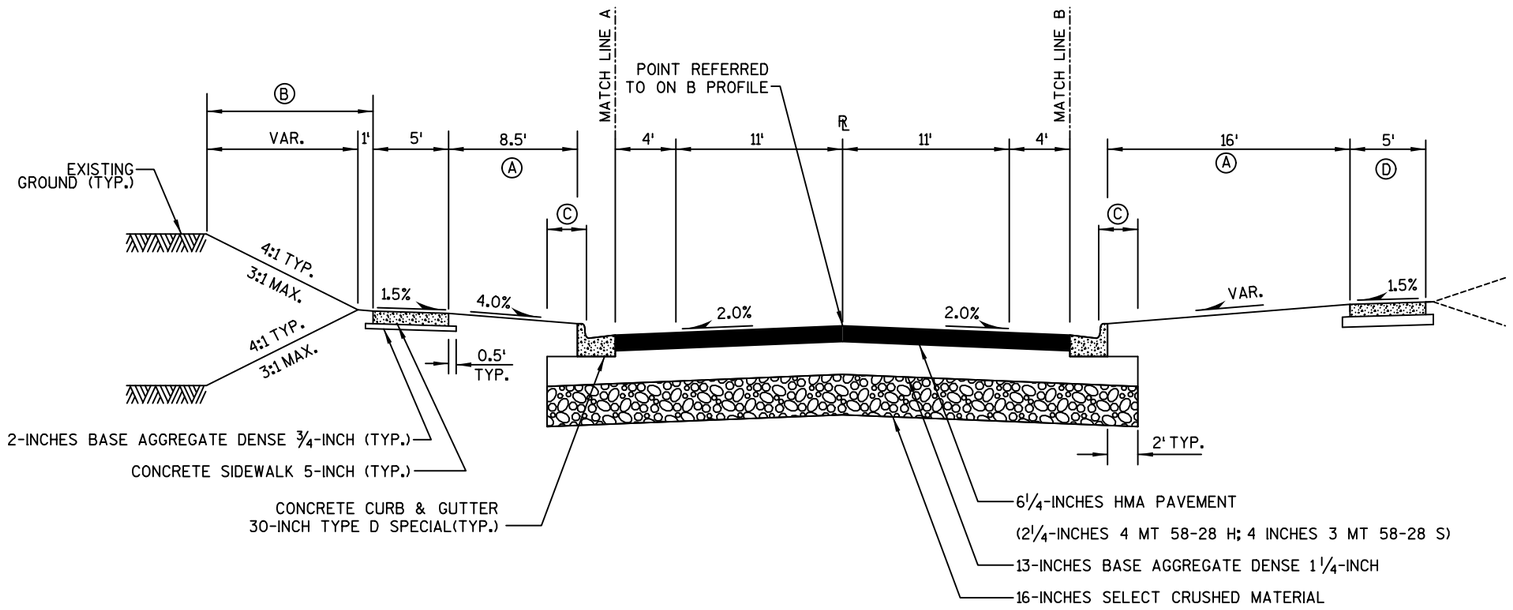
Ⓐ TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN

Ⓑ TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40, MULCHING OR EROSION MAT CLASS I TYPE A (SEE MISC. QUANTITY TABLES FOR LOCATIONS)

Ⓒ 2' LATERAL CLEARANCE

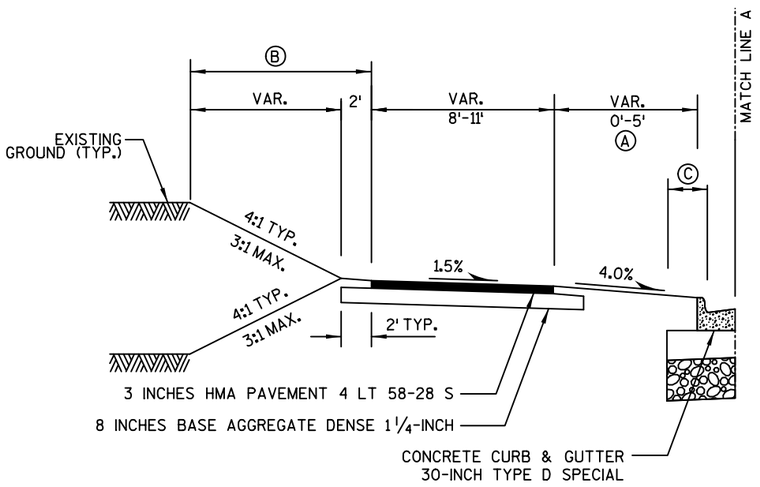
Ⓓ 4' LATERAL CLEARANCE

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	TYPICAL FINISHED SECTIONS	SHEET 12	E



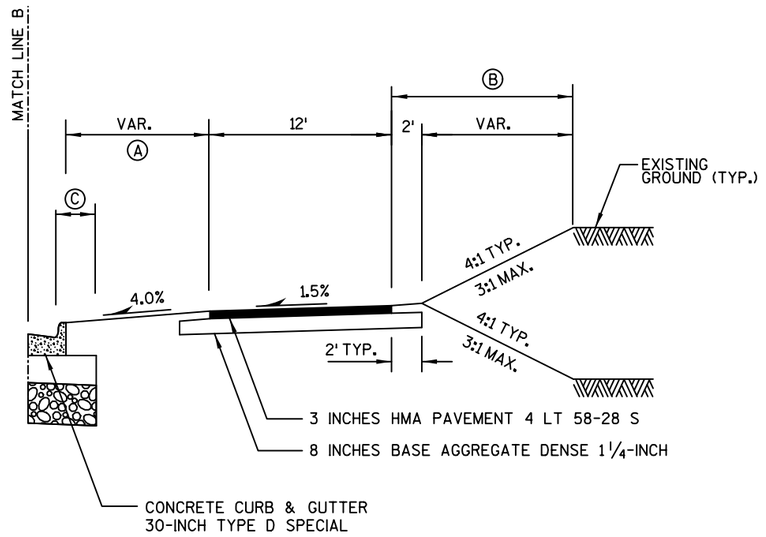
TYPICAL FINISHED SECTION - BLACKHAWK ROAD

STA. 10+71.25 B - STA. 15+11.34 B



MATCHLINE A TYPICAL SECTION

STA. 13+88.72 B LT - STA. 15+11.34 B LT



MATCHLINE B TYPICAL SECTION

STA. 14+34.96 B RT - STA. 15+11.34 B RT

** Ⓐ TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN

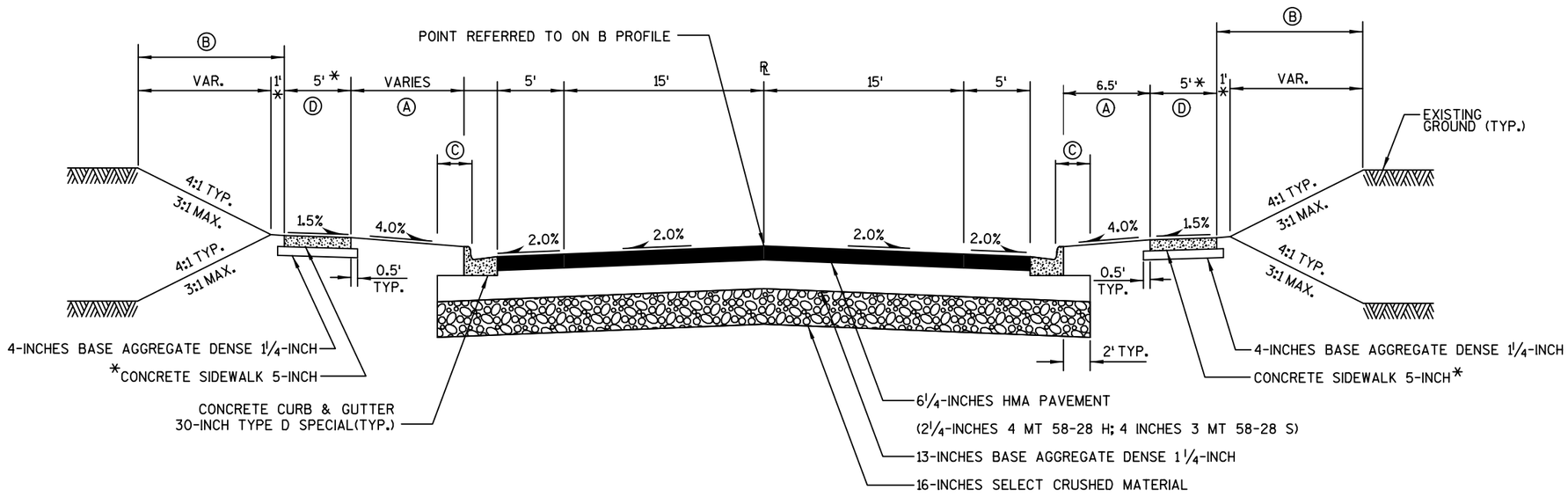
** Ⓑ TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40, MULCHING OR EROSION MAT CLASS I TYPE A (SEE MISC. QUANTITY TABLES FOR LOCATIONS)

Ⓒ 2' LATERAL CLEARANCE

Ⓓ EXISTING SIDEWALK TO REMAIN BETWEEN STA. 10+00 B TO 11+41.69 B RT

** 18-INCHES TOPSOIL IN MEDIANS 4-INCHES ELSEWHERE

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	TYPICAL FINISHED SECTIONS	SHEET 13	E



TYPICAL FINISHED SECTION - BLACKHAWK ROAD

STA. 16+62.34 B - STA. 21+16.36 B

**Ⓐ TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN

**Ⓑ TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40, MULCHING OR EROSION MAT CLASS I TYPE A (SEE MISC. QUANTITY TABLES FOR LOCATIONS)

Ⓒ 2' LATERAL CLEARANCE

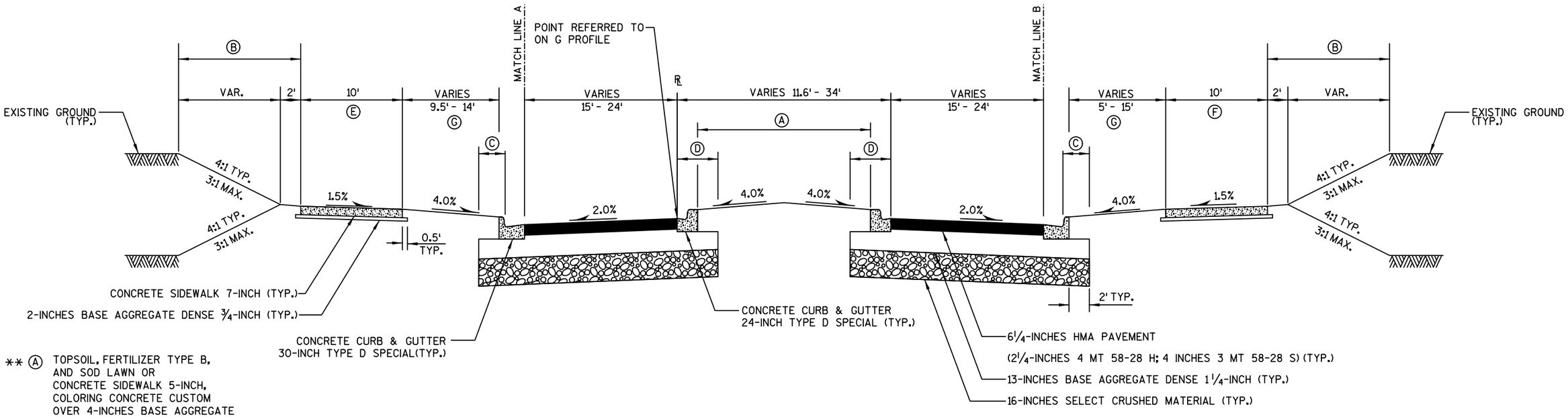
Ⓓ EXISTING SIDEWALK TO REMAIN BETWEEN STA. 20+40 B TO STA. 21+14.44 B LT AND STA. 20+50 B TO STA. 21+14.44 B RT

** 18-INCHES TOPSOIL IN MEDIANS
4-INCHES ELSEWHERE

* 10' ROUNDABOUT SIDEPATH WITH 2' OUTSIDE SHOULDER (CONCRETE SIDEWALK 7-INCH)

STA. 16+62.34 B LT- STA. 18+04.38 B
STA. 16+62.34 B RT- STA. 18+04.66 B

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	TYPICAL FINISHED SECTIONS	SHEET 14	E



** (A) TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN OR CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE CUSTOM OVER 4-INCHES BASE AGGREGATE DENSE 1 1/4-INCH

** (B) TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40, MULCHING OR EROSION MAT CLASS I TYPE A (SEE MISC. QUANTITY TABLES FOR LOCATIONS)

(C) 2' LATERAL CLEARANCE

(D) 4' LATERAL CLEARANCE

(E) EXISTING SIDEWALK TO REMAIN BETWEEN STATION 52+30 G TO STATION 53+38.19 G

(F) EXISTING SIDEWALK TO REMAIN BETWEEN STATION 51+59.51 G TO STATION 52+25.33 G

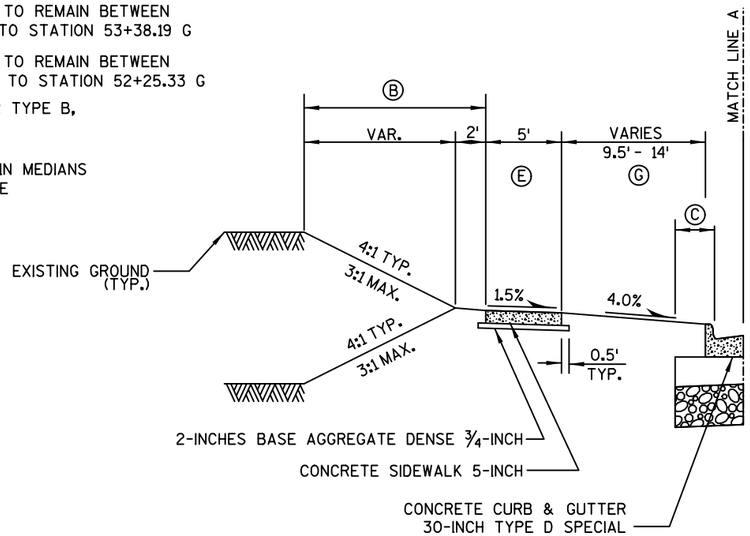
** (G) TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN

** 18-INCHES TOPSOIL IN MEDIANS 4-INCHES ELSEWHERE

TYPICAL FINISHED SECTION - GREENWAY BLVD

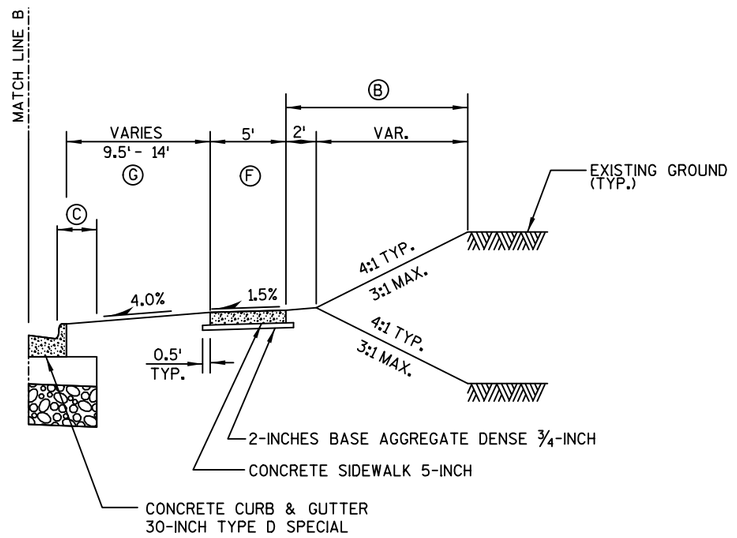
STA. 50+00.00 G - STA. 52+25.33 G

STA. 52+25.33 G LT - STA. 53+38.19 G LT



MATCHLINE A TYPICAL SECTION

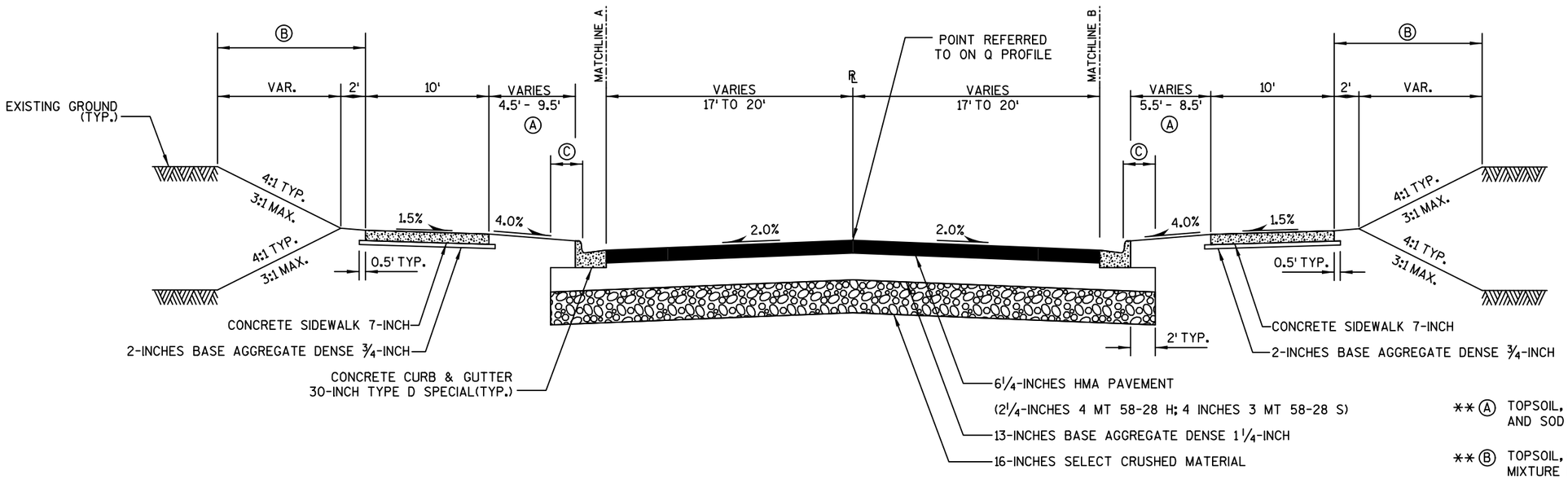
STA. 51+68.89 G LT - STA. 52+30.00 G LT



MATCHLINE B TYPICAL SECTION

STA. 50+81.62 G RT - STA. 51+59.51 G RT

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	TYPICAL FINISHED SECTIONS	SHEET 15	E



TYPICAL FINISHED SECTION - QUARRY ROAD

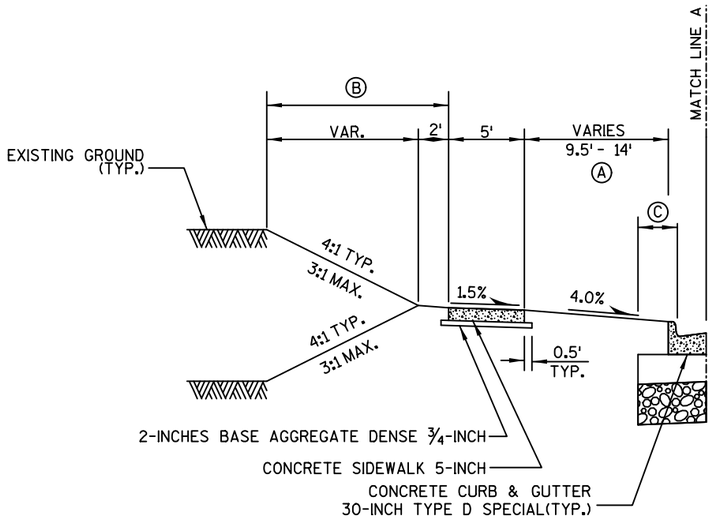
STA. 50+00.00 Q - STA. 51+56.71 Q

** Ⓐ TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN

** Ⓑ TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40, MULCHING OR EROSION MAT CLASS I TYPE A (SEE MISC. QUANTITY TABLES FOR LOCATIONS)

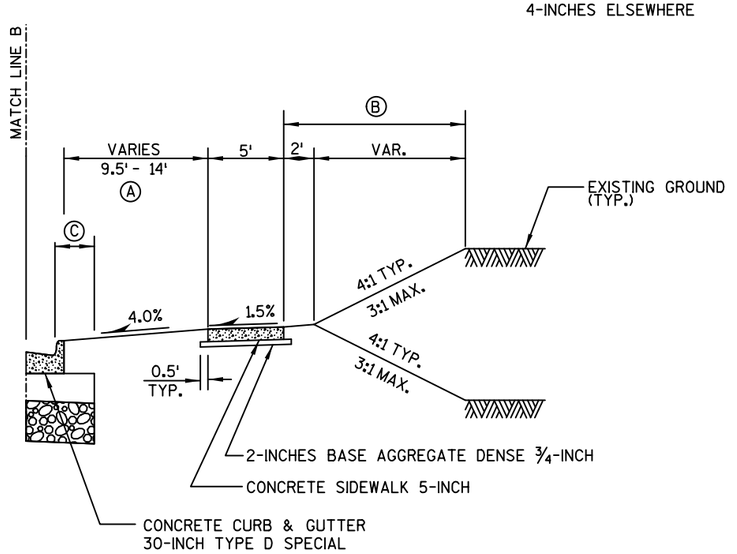
Ⓒ 2' LATERAL CLEARANCE

** 18-INCHES TOPSOIL IN MEDIANS
4-INCHES ELSEWHERE



MATCHLINE A TYPICAL SECTION

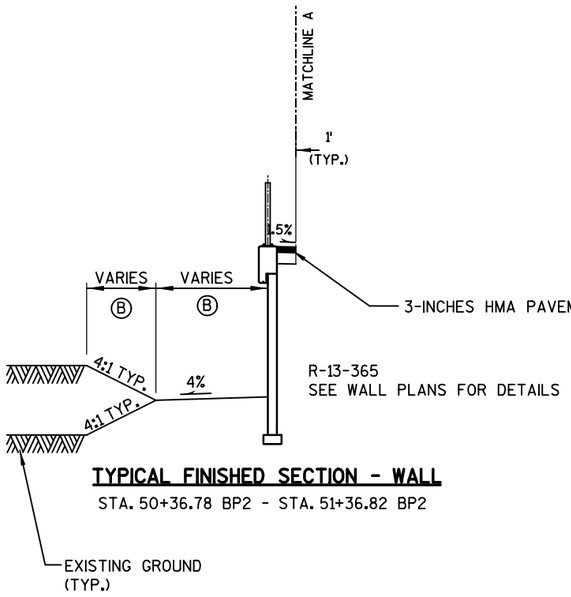
STA. 50+75.97 Q LT - STA. 51+53.32 Q LT



MATCHLINE B TYPICAL SECTION

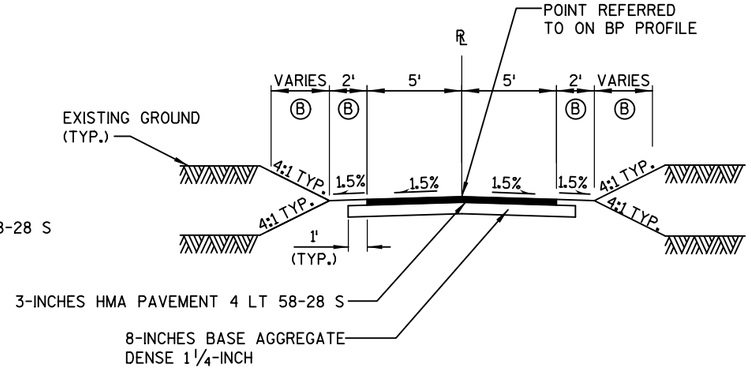
STA. 50+49.17 Q RT - STA. 51+48.57 Q RT

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	TYPICAL FINISHED SECTIONS	SHEET 16	E



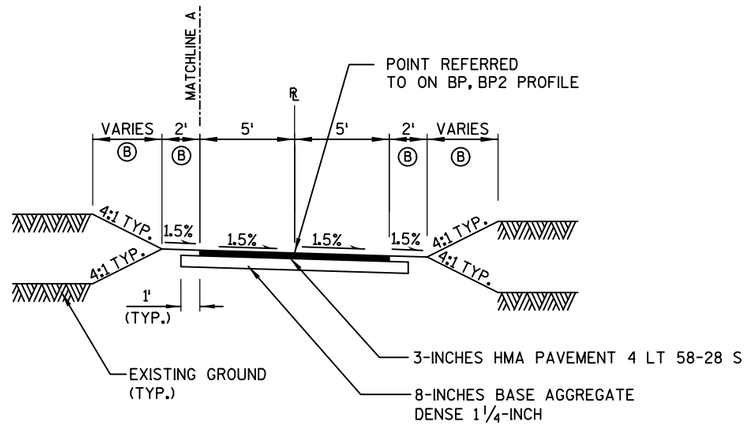
TYPICAL FINISHED SECTION - WALL

STA. 50+36.78 BP2 - STA. 51+36.82 BP2



TYPICAL FINISHED SECTION - NORMAL CROWN

STA. 36+64.88 BP - STA. 37+76.28 BP
B-13-892 (STA. 37+76.28 BP - STA. 38+97.78 BP)
STA. 38+97.78 BP - STA. 38+98.86 BP
STA. 39+48.55 BP - STA. 40+53.60 BP



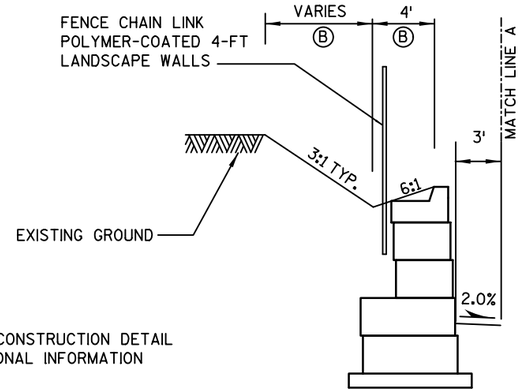
TYPICAL FINISHED SECTION - SUPERELEVATED SECTION

STA. 38+98.86 BP - STA. 39+48.55 BP
STA. 40+53.60 BP - STA. 41+08.43 BP
STA. 50+00.00 BP2 - STA. 55+06.74 BP2

Ⓑ TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40, MULCHING OR EROSION MAT CLASS I TYPE A (SEE MISC. QUANTITY TABLES FOR LOCATIONS)

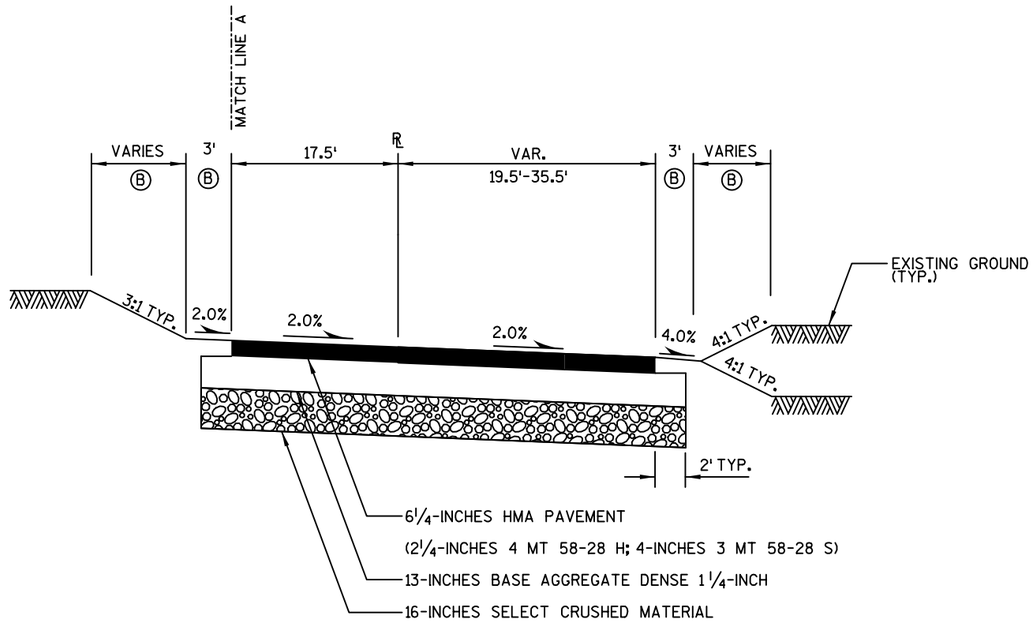
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	TYPICAL FINISHED SECTIONS	SHEET 17	E

2



TYPICAL FINISHED SECTION
NORTHWESTERN STONE DRIVEWAY (NS)

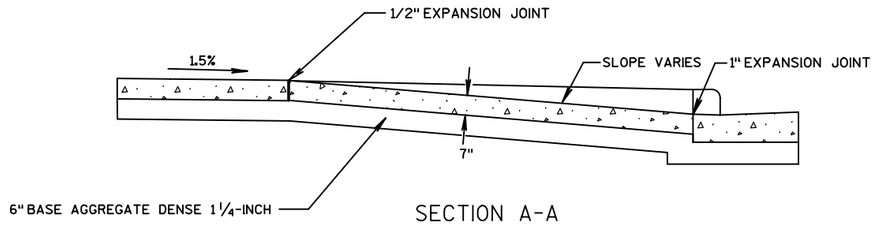
STA. 10+50.00 NS - STA. 12+28.40 NS



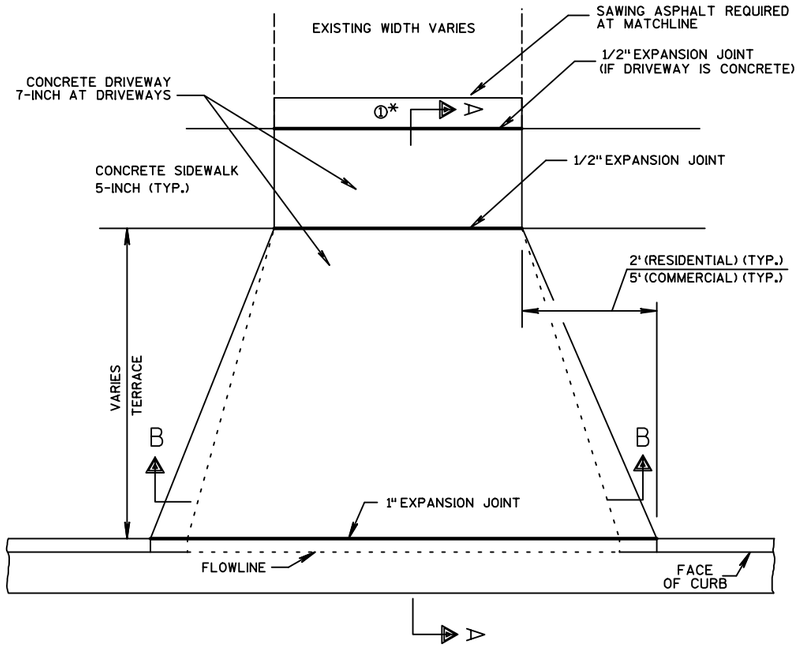
TYPICAL FINISHED SECTION - NORTHWESTERN STONE DRIVEWAY (NS)

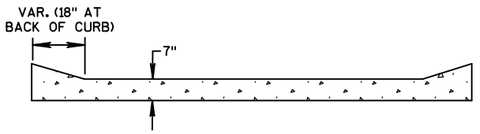
STA. 10+24.75 NS - STA. 12+48.76 NS

Ⓑ TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40, MULCHING OR EROSION MAT CLASS I TYPE A (SEE MISC. QUANTITY TABLES FOR LOCATIONS)



SECTION A-A





SECTION B-B

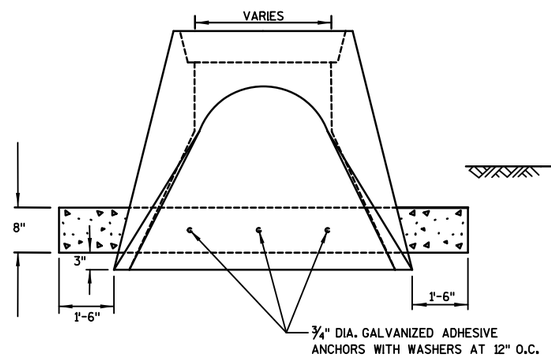
① FOR ASPHALT DRIVEWAYS PLACE 3.5 INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 8 INCHES BASE AGGREGATE DENSE 1¼-INCH UNLESS NOTED OTHERWISE.

FOR CONCRETE DRIVEWAYS PLACE CONCRETE DRIVEWAY 7-INCH OVER 6-INCHES BASE AGGREGATE DENSE 1¼-INCH.

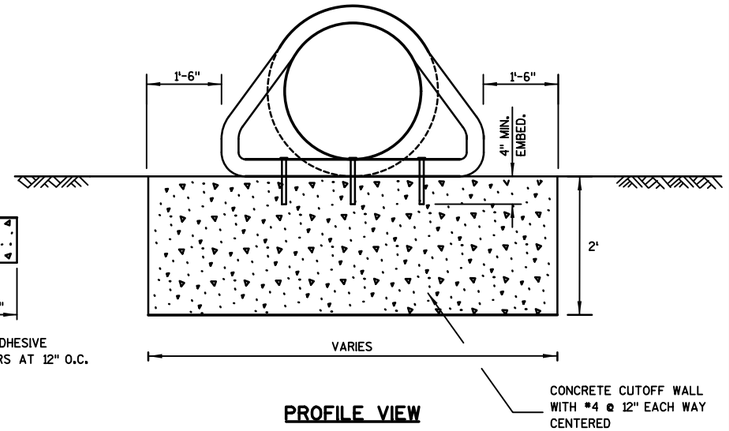
* DRIVEWAY AT STA. 149+15 LT PLACE 5 INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 12 INCHES BASE AGGREGATE DENSE 1¼-INCH.

DRIVEWAY AT STA. 10+78 Q1 SEE NS LINE TYPICAL SECTION.

CONCRETE DRIVE APRON DETAIL

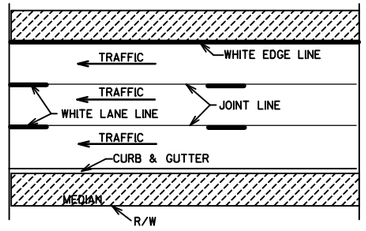


PLAN VIEW



PROFILE VIEW

CONCRETE CUTOFF WALL

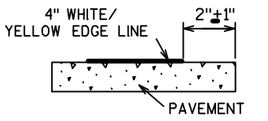


MARKING PLACEMENT DETAIL



LANE LINE MARKING DETAIL

MARKING LINE EPOXY 6-INCH
(WHITE SKIP, 10' SEG. 30' GAP)

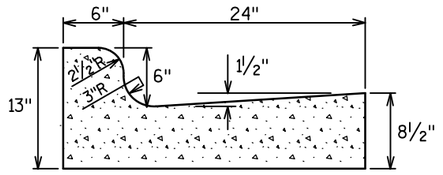


EDGE LINE PLACEMENT

PAVEMENT MARKING DETAILS

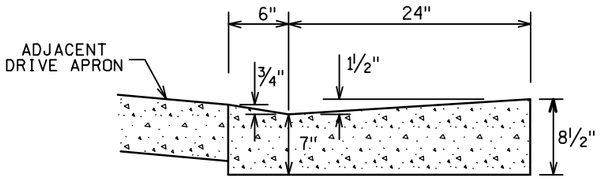
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 19	E

2



CONCRETE CURB & GUTTER 30-INCH TYPE A & TYPE D SPECIAL

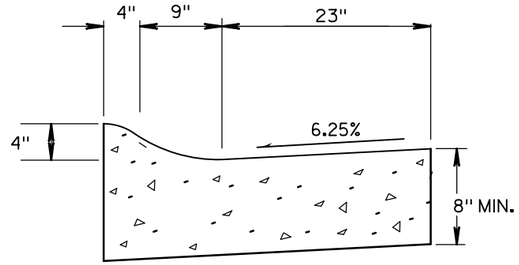
(CITY OF MADISON TYPE 'A' CURB & GUTTER)



DRIVEWAY SECTION

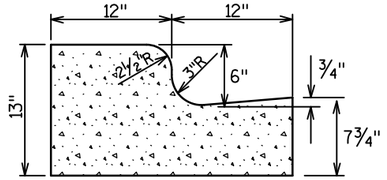
CONCRETE CURB & GUTTER 30-INCH TYPE A & TYPE D SPECIAL

(CITY OF MADISON TYPE 'A' CURB & GUTTER)



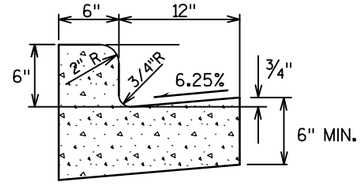
CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R

SEE SDD "CONCRETE CURB AND GUTTER" FOR ADDITIONAL INFORMATION



CONCRETE CURB & GUTTER 24-INCH TYPE A & TYPE D SPECIAL

(CITY OF MADISON TYPE 'H' & 'E' CURB & GUTTER)



CONCRETE CURB & GUTTER 18-INCH TYPES A & D

SEE SDD "CONCRETE CURB AND GUTTER" FOR ADDITIONAL INFORMATION

GENERAL NOTES:

PLACE LATERAL CONTRACTION JOINTS AT INTERVALS OF NOT MORE THAN 15' NOR LESS THAN 6' IN LENGTH. THE JOINTS SHALL BE A MINIMUM OF 3" IN DEPTH.

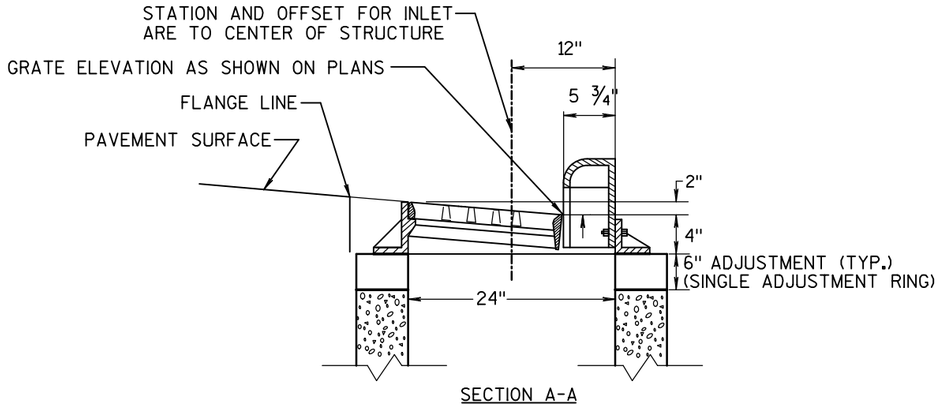
PLACE EXPANSION JOINTS TRANSVERSLY AT RADIUS POINTS ON CURVES OF RADIUS 200' OR LESS, AND AT ANGLE POINTS, OR AS DIRECTED BY THE ENGINEER. THE EXPANSION JOINT SHALL BE A ONE PIECE ASPHALTIC MATERIAL HAVING THE SAME DIMENSIONS AS CURB & GUTTER AT THAT STATION AND BE ½" THICK.

IN ALL CASES, CONCRETE CURB & GUTTER SHALL BE PLACED ON THOROUGHLY COMPACTED BASE AGGREGATE DENSE.

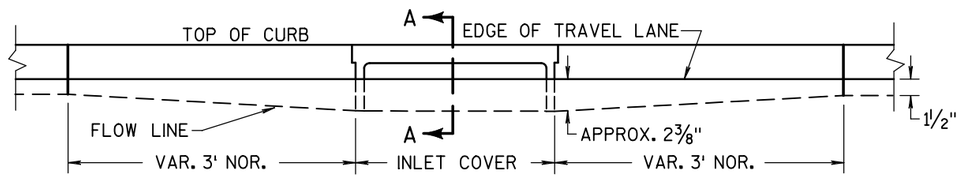
TRANSITIONS BETWEEN TYPE D CURB AND TYPE X CURB ARE TO BE MADE OVER A MINIMUM OF 6 FT. LENGTHEN TRANSITIONS AS NECESSARY TO MAINTAIN DRAINAGE ALONG THE FLOW LINE. TRANSITIONS ARE PAID FOR AS "CONCRETE CURB & GUTTER 30-INCH TYPE X SPECIAL" OR AS NOTED.

TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPE A.

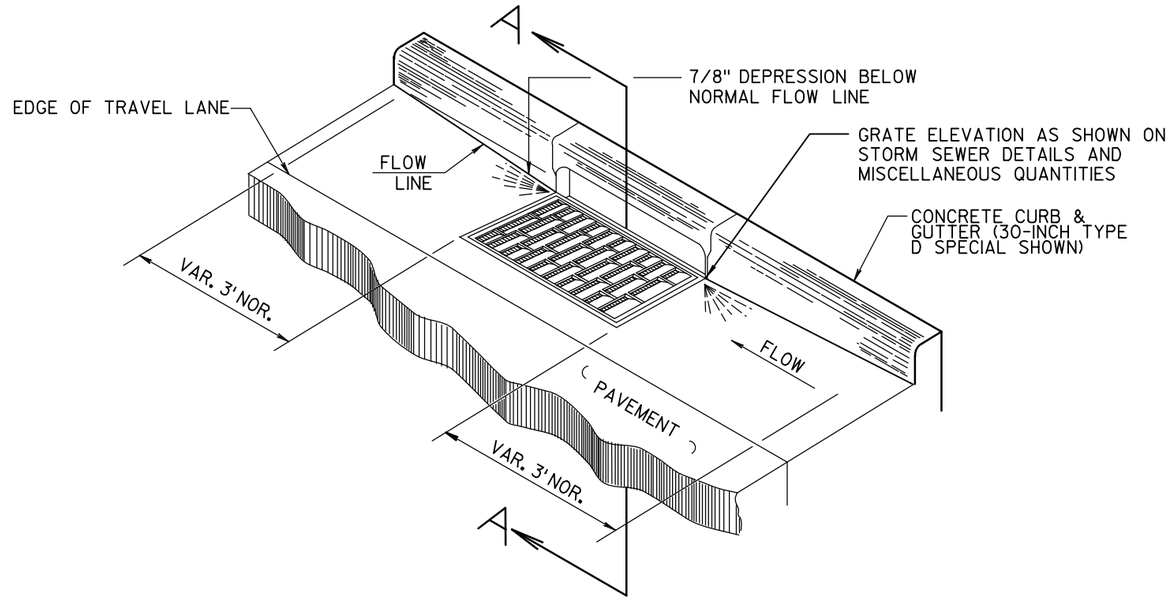
CONCRETE CURB AND CONCRETE CURB & GUTTER DETAILS



SECTION A-A

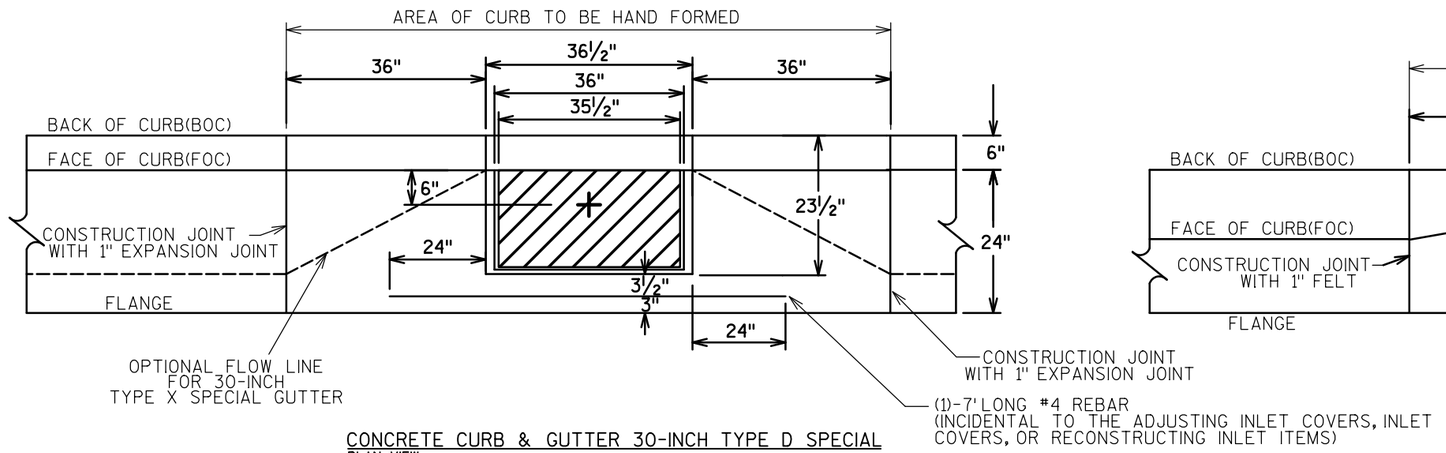


ELEVATION

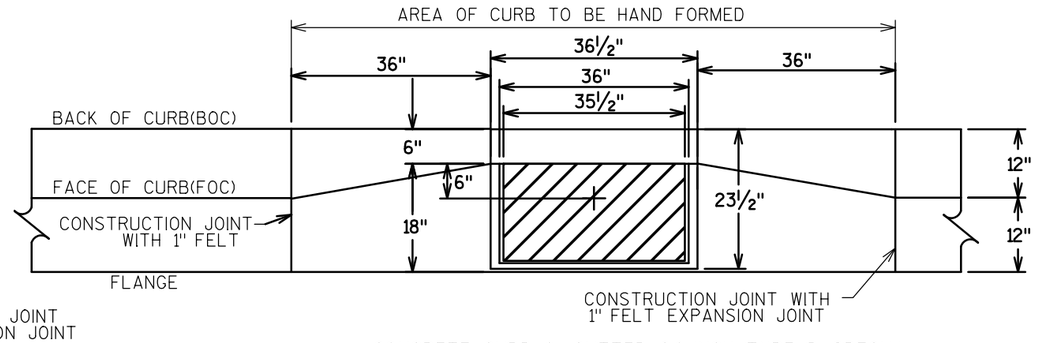


CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL AT INLET DETAIL

\+ = CENTER OF STRUCTURE (STATION AND OFFSET AS INDICATED ON THE STORM SEWER PLANS)



CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
PLAN VIEW

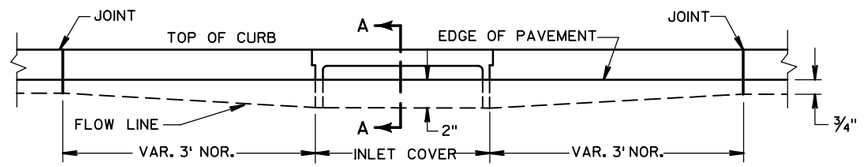


CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
PLAN VIEW

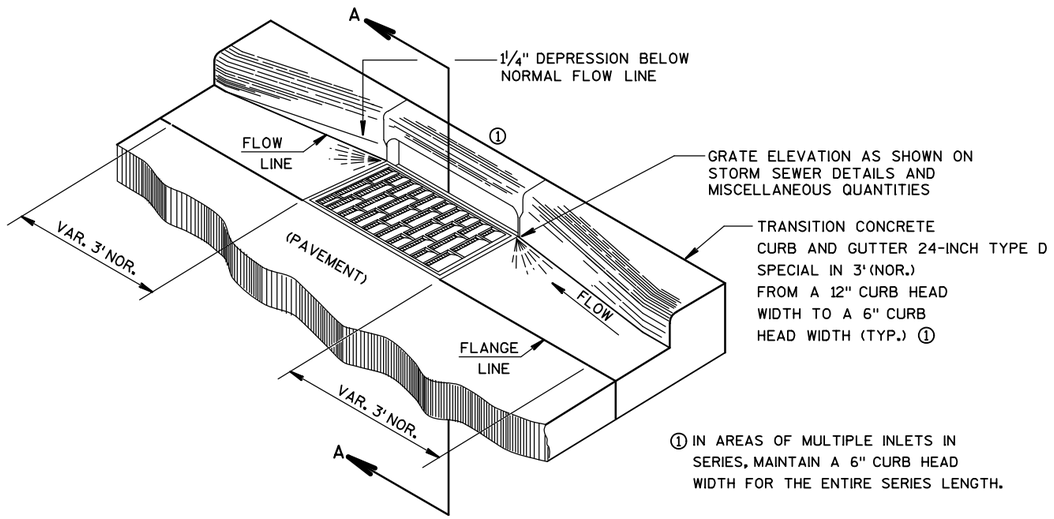
CURB & GUTTER AT INLET DETAIL

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 21	E

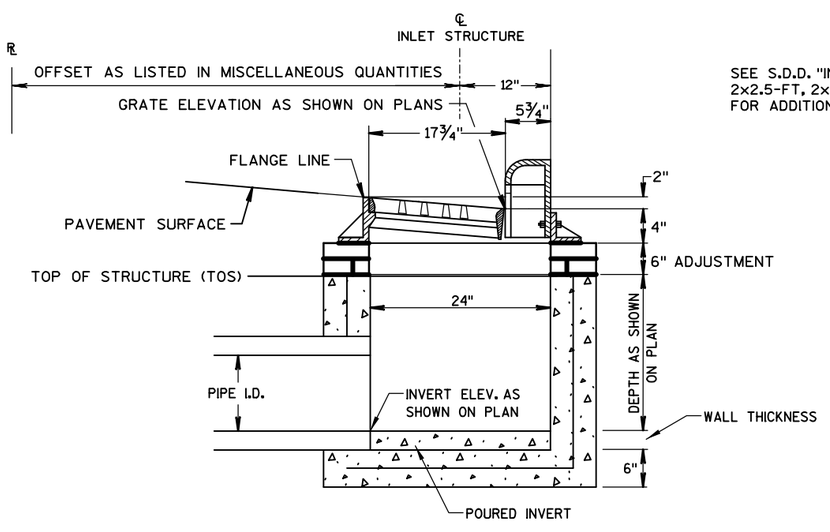
2



ELEVATION



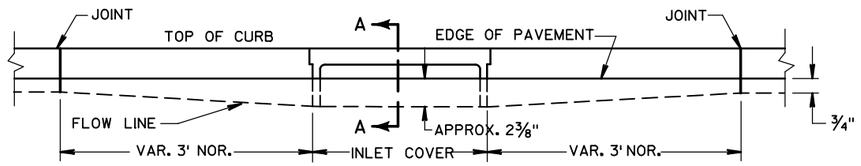
① IN AREAS OF MULTIPLE INLETS IN SERIES, MAINTAIN A 6" CURB HEAD WIDTH FOR THE ENTIRE SERIES LENGTH.



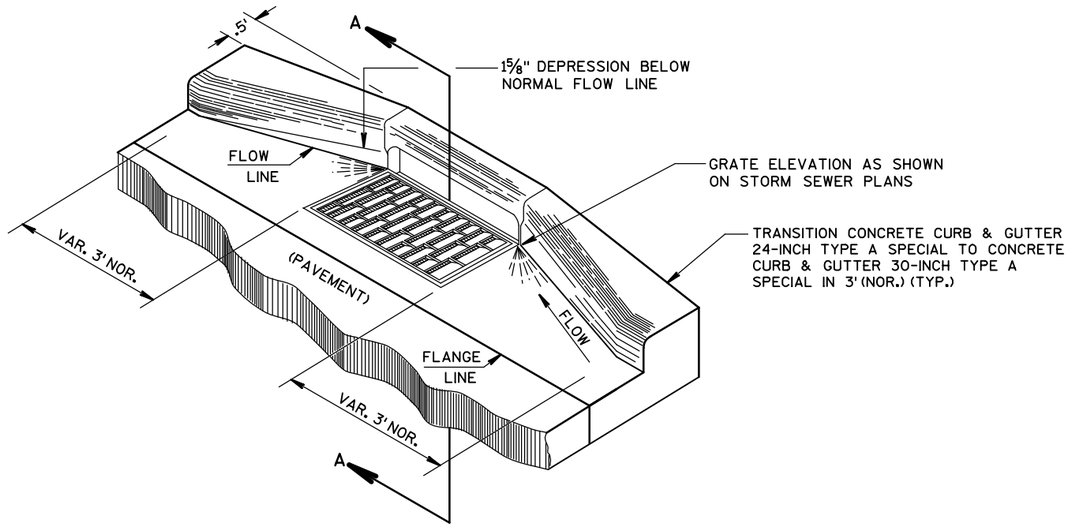
SEE S.D.D. "INLETS 2x2-FT, 2x2.5-FT, 2x3-FT, & 2.5x3-FT" FOR ADDITIONAL INFORMATION

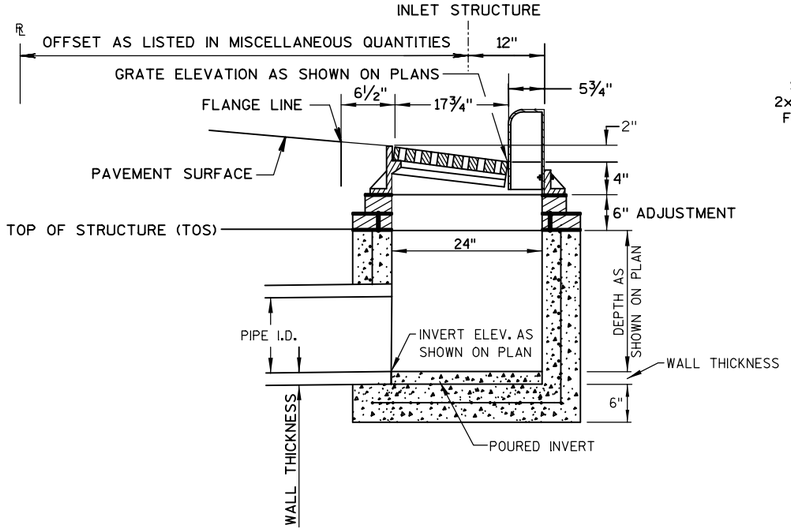
SECTION A-A
(INLETS 2x3-FT - H SHOWN)

DETAIL OF CONCRETE CURB AND GUTTER 24-INCH TYPE D SPECIAL AT INLETS



ELEVATION



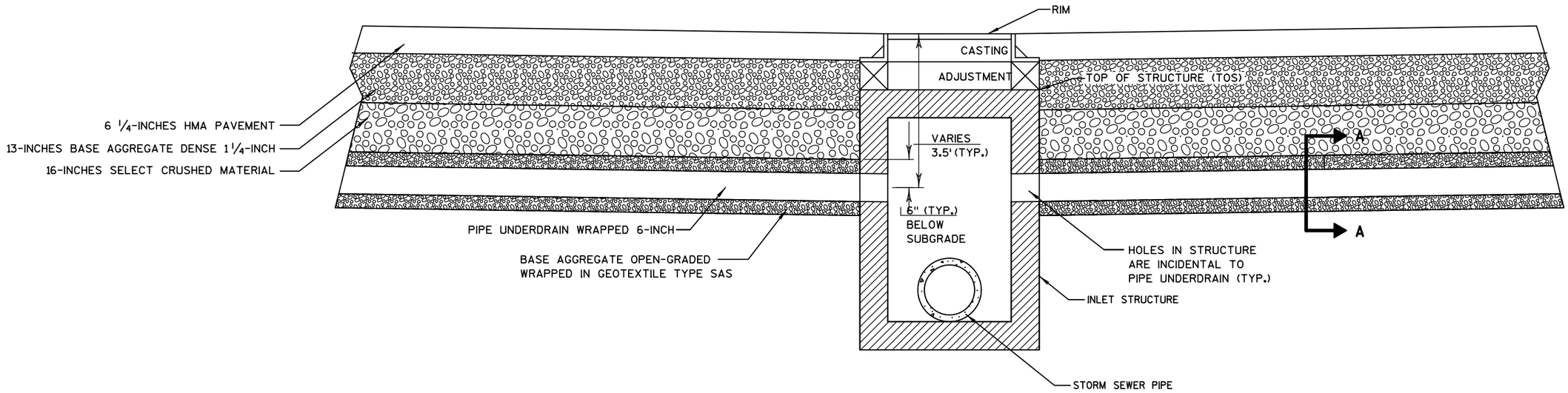


SEE S.D.D. "INLETS 2x2-FT, 2x2.5-FT, 2x3-FT, & 2.5x3-FT" FOR ADDITIONAL INFORMATION

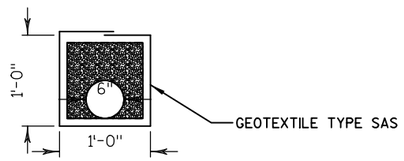
SECTION A-A
(INLETS 2X3-FT - H SHOWN)

DETAIL OF CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL AT INLETS

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 22	E

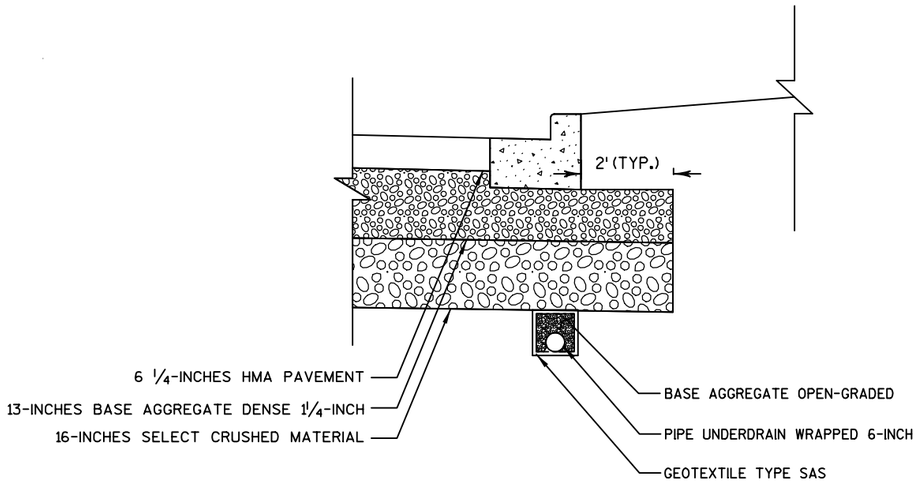


PIPE UNDERDRAIN WRAPPED 6-INCH WITH GEOTEXTILE
FABRIC AND AGGREGATE PROFILE VIEW



SECTION A-A

PIPE UNDERDRAIN WRAPPED 6-INCH ENCLOSED IN A
1'-0" X 1'-0" AREA OF BASE AGGREGATE
OPEN-GRADED WRAPPED IN GEOTEXTILE TYPE SAS.

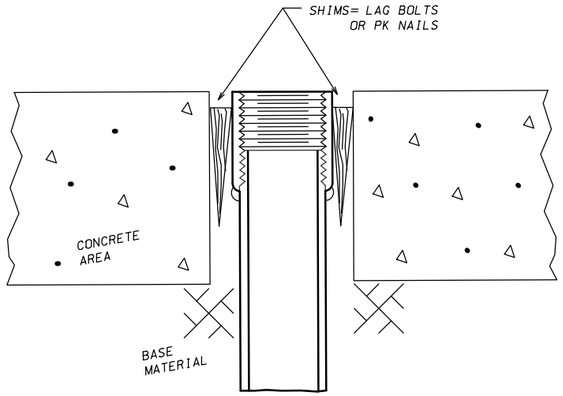


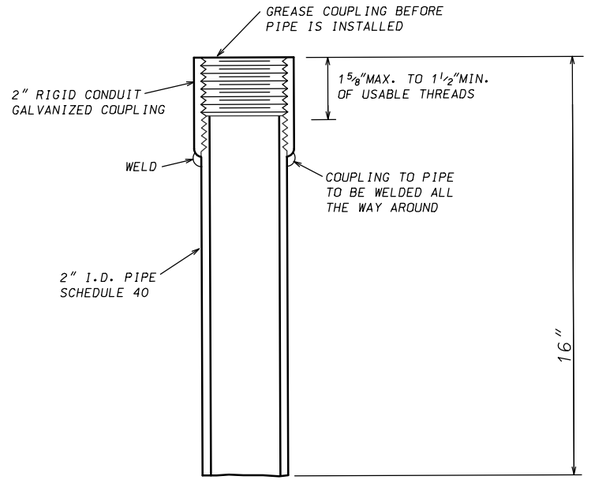
PIPE UNDERDRAIN WRAPPED 6-INCH WITH GEOTEXTILE
FABRIC AND AGGREGATE CROSS SECTION

PIPE UNDERDRAIN 6-INCH WITH GEOTEXTILE
FABRIC AND AGGREGATE DETAIL
ASPHALT PAVEMENT LOCATIONS

NOTES:
PIPE UNDERDRAIN IS TO BE DISCHARGED INTO A STORM SEWER STRUCTURE.
SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS.

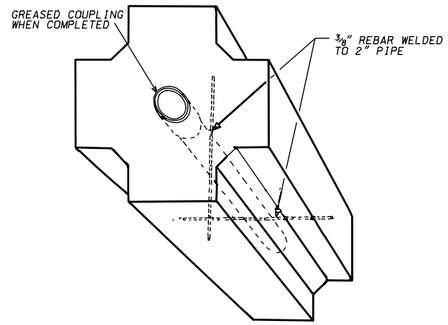
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 23	E

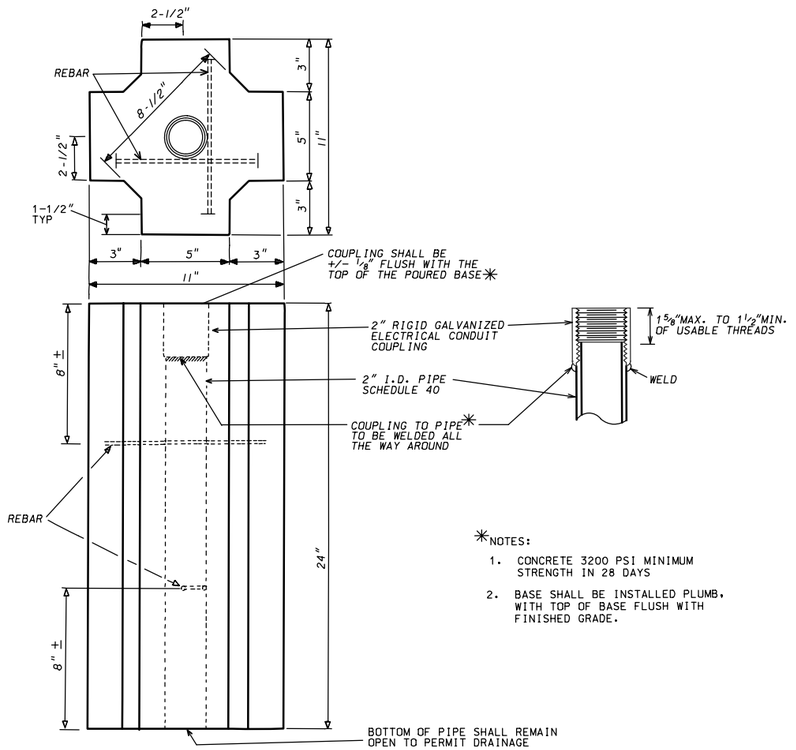




SIGN POST BASE WITHIN CONCRETE INSTALLATION DETAIL

COORDINATE SIGN POST BASE INSTALLATIONS WITHIN CONCRETE
FOR CITY OF MIDDLETON SIGNS WITH THE CITY PRIOR TO PLACING CONCRETE.

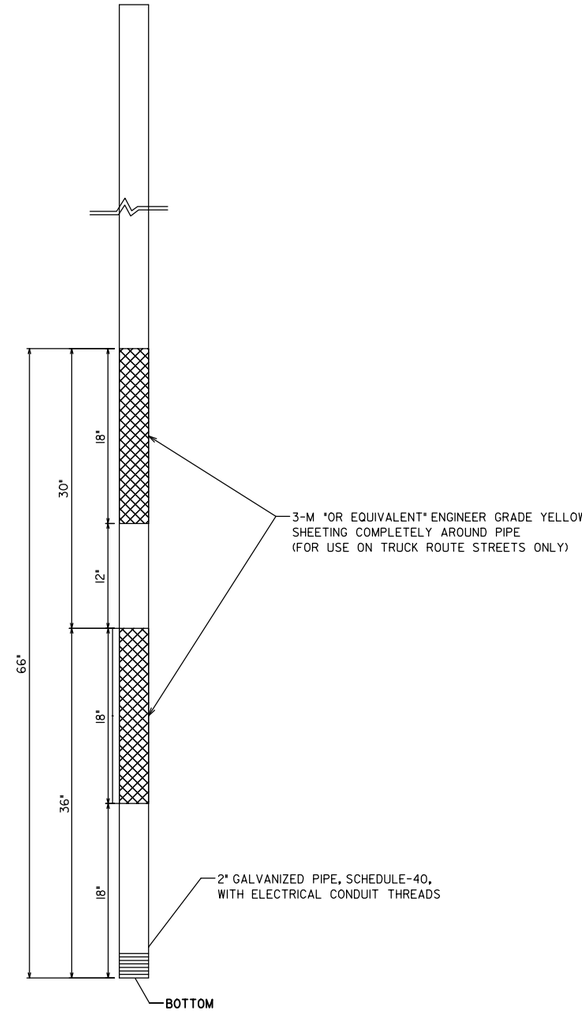




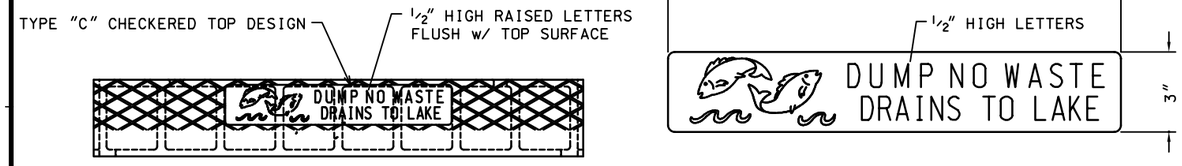
*NOTES:

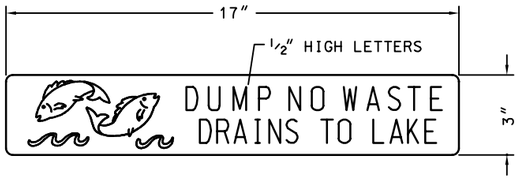
1. CONCRETE 3200 PSI MINIMUM STRENGTH IN 28 DAYS
2. BASE SHALL BE INSTALLED PLUMB, WITH TOP OF BASE FLUSH WITH FINISHED GRADE.

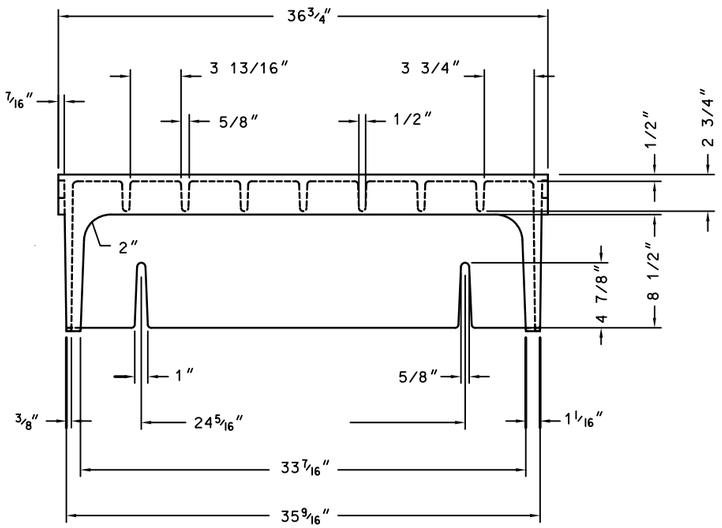
PRECAST SIGN POST BASE DETAIL

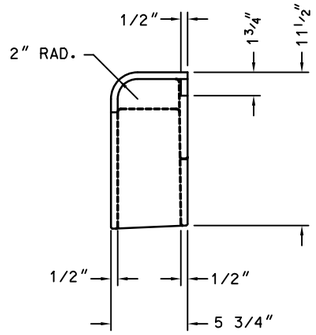


SIGN POST DETAIL





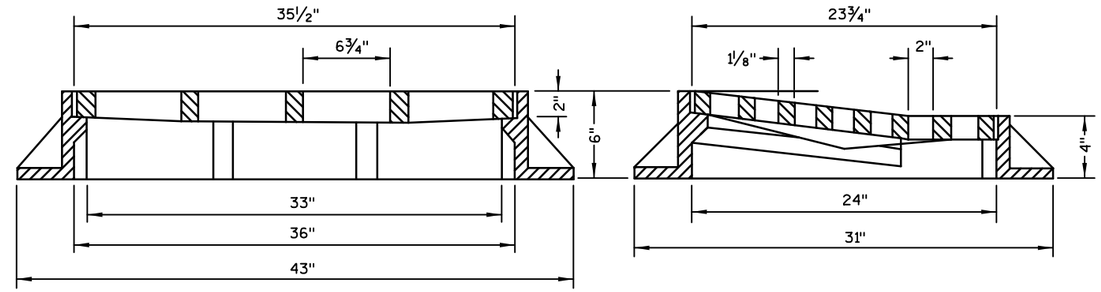




MATERIAL:	CAST GRAY IRON ASTM A-48, CLASS 35B
FINISH:	NO PAINT
WEIGHT:	126#

INLET COVERS TYPE H OR H-S

TOTAL WEIGHT APPROXIMATELY 420 POUNDS



INLET COVERS TYPE DW

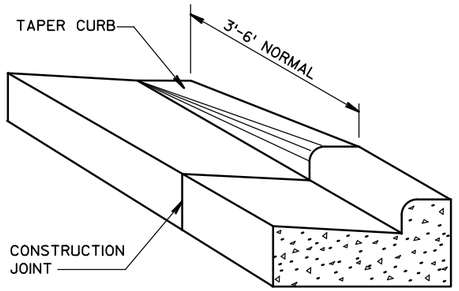
(MANHOLES 4-FT DIAMETER SHOWN)

DETAIL FOR COMPUTING MANHOLE ELEVATIONS

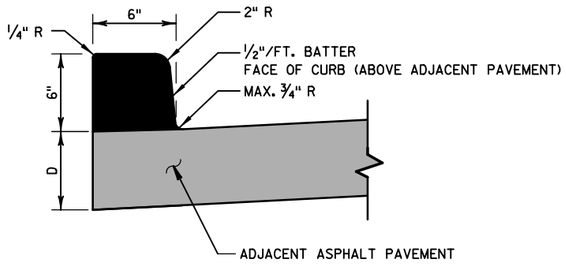
RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP-TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE-TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

TOTAL PROJECT AREA = 9.9 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 8.3 ACRES

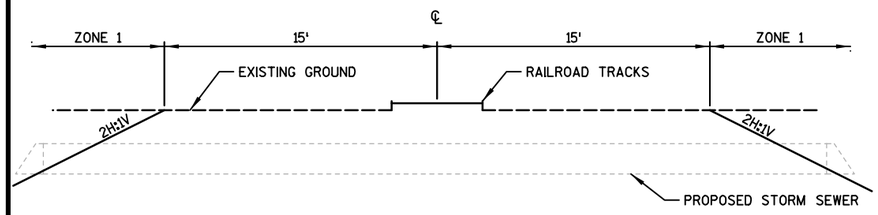


DETAIL OF CURB & GUTTER TERMINI



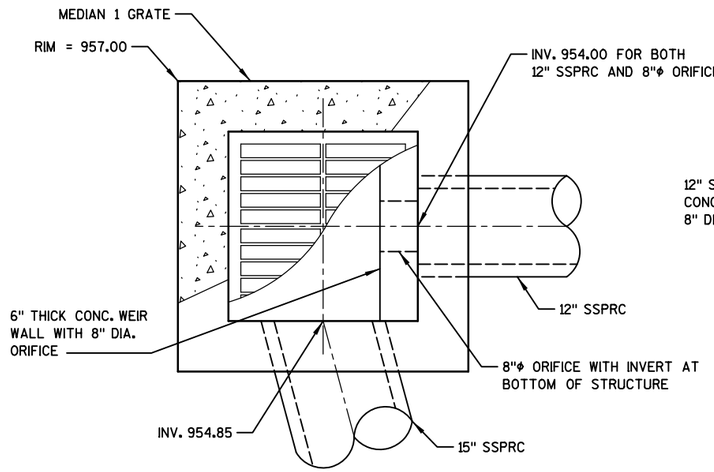
D = DEPTH OF ADJACENT ASPHALT PAVEMENT

ASPHALTIC CURB DETAIL

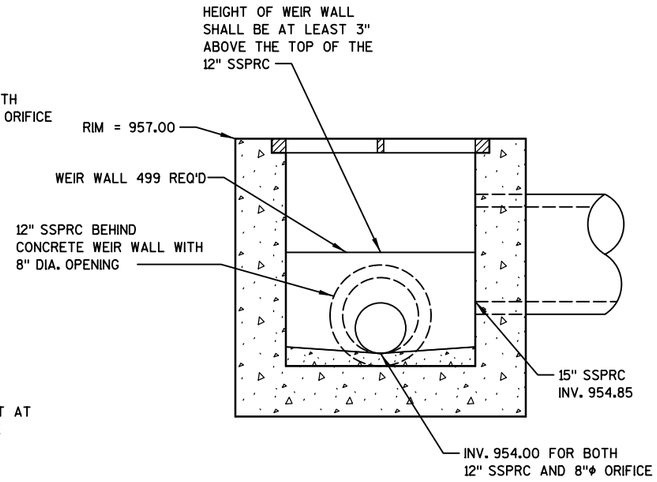


* EXCAVATION WITHIN ZONE 1 AT GREATER THAN 2H:1V SLOPES FROM THE EDGE OF THE 15-FOOT OFFSET REQUIRES SHORING FOR THE PROTECTION OF THE RAILROAD. SHORING IS INCLUDED IN THE COST OF THE STORM SEWER. EXCAVATION IS NOT ALLOWED WITHIN THE 15-FOOT ZONE ON EITHER SIDE OF THE RAILROAD.

STORM SEWER RAILROAD CROSSING DETAIL NEAR POND F



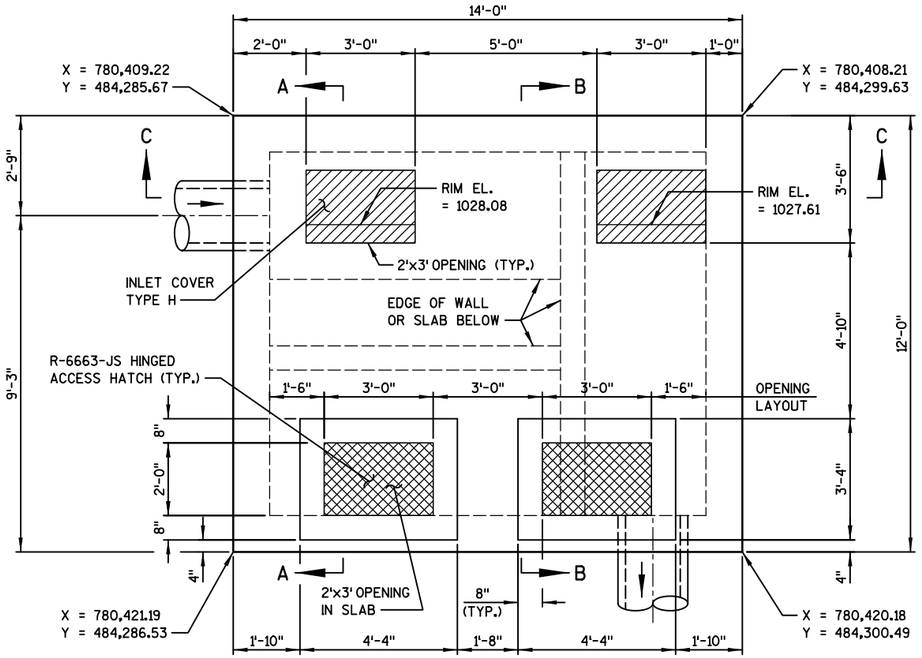
PLAN



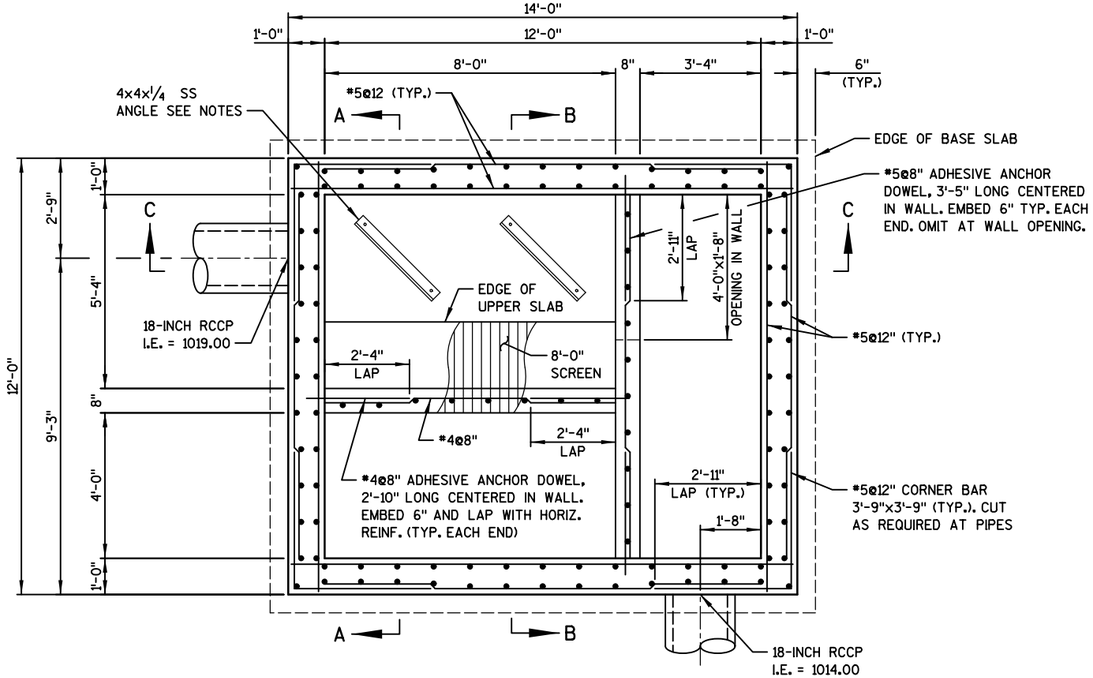
SECTION A-A

WEIR WALL PV499

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 26	E



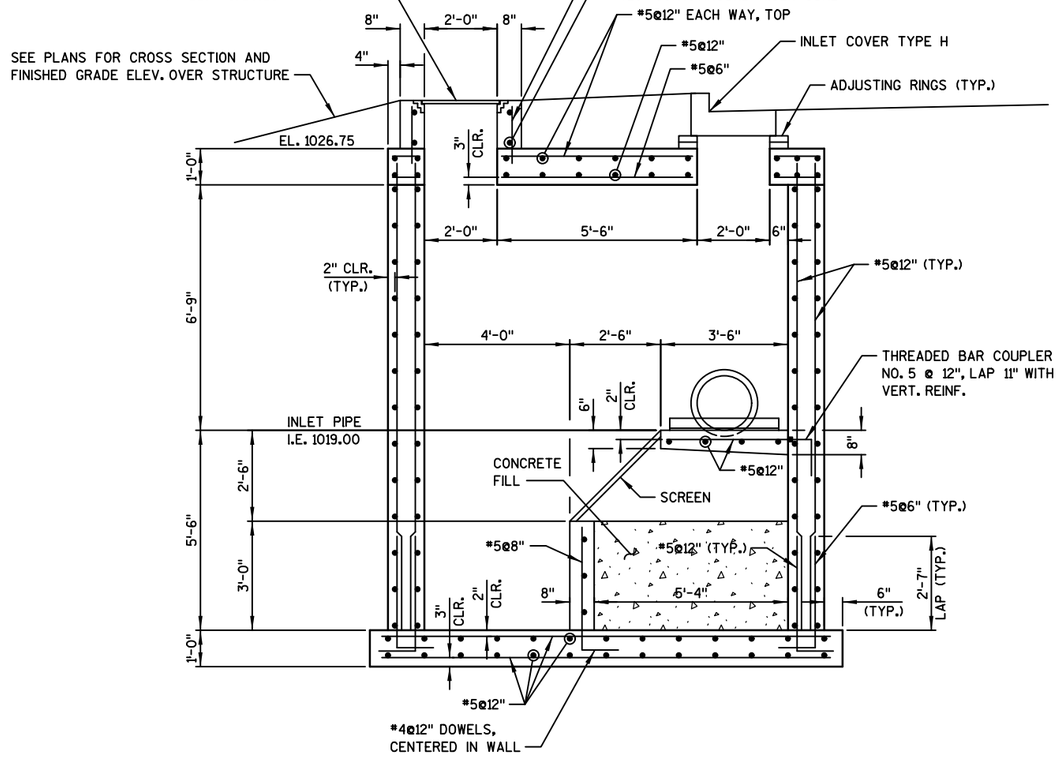
TOP SLAB PLAN



LOWER PLAN

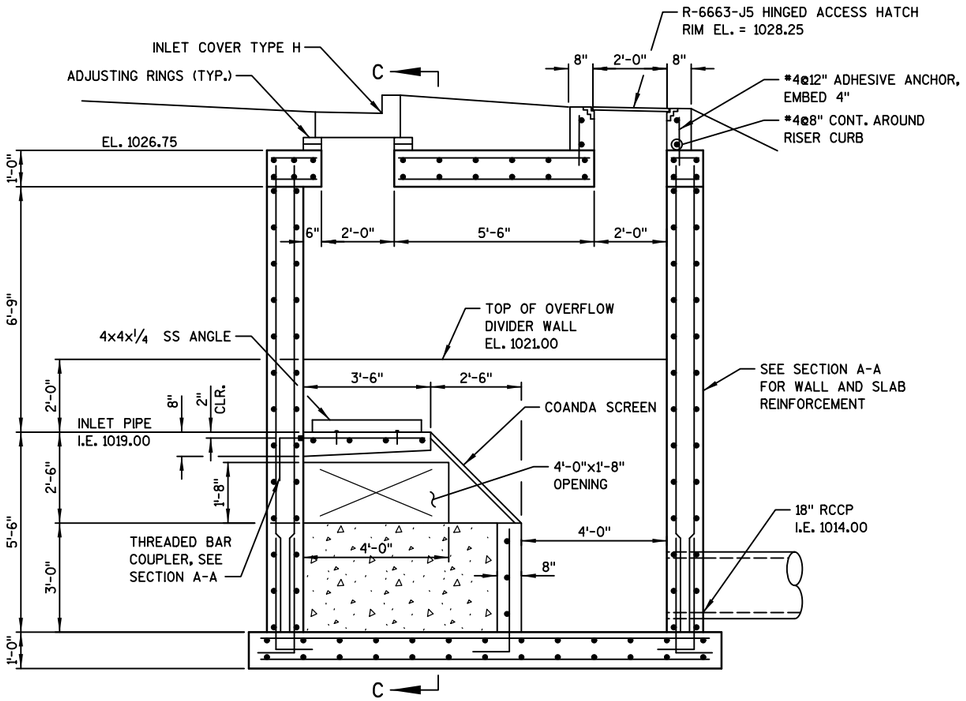
NOTES:

1. DRAWINGS SHALL NOT BE SCALED.
2. ALL BAR STEEL REINFORCEMENT SHALL BE EPOXY COATED. COAT CUT OR DAMAGED AREAS OF EPOXY COATED REINFORCING WITH A WISDOT APPROVED PATCHING MATERIAL. BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.
3. BEVEL ALL EXPOSED CORNERS $\frac{3}{4}$-INCH UNLESS OTHERWISE NOTED.
4. CONCRETE SHALL BE IN ACCORDANCE WITH STANDARD SPEC. SECTION 611.
5. ATTACH SCREEN TO CONCRETE STRUCTURE IN ACCORDANCE WITH SCREEN MANUFACTURER'S RECOMMENDATIONS.
6. PROVIDE 4x4x$1\frac{1}{4}$ STAINLESS STEEL ANGLE VANES MOUNTED AT 45-DEGREE ANGLE AS SHOWN, LENGTH = 3'-0". PROVIDE 8" GAP AT EACH EDGE OF SLAB. SPACE APPROX. 3'-0" ALONG SLAB. ATTACH TO TOP OF SLAB WITH (2) $\frac{3}{8}$-INCH SS CONC. SCREWS WITH 3" EMBEDMENT.
7. PROVIDE ADDITIONAL REINFORCEMENT AROUND OPENINGS IN TOP SLAB AND END IN ACCORDANCE WITH DETAIL ON FOLLOWING SHEET. ADDITIONAL BARS MUST BE EQUAL OR GREATER THAN NO. OF BARS CUT FOR OPENING.

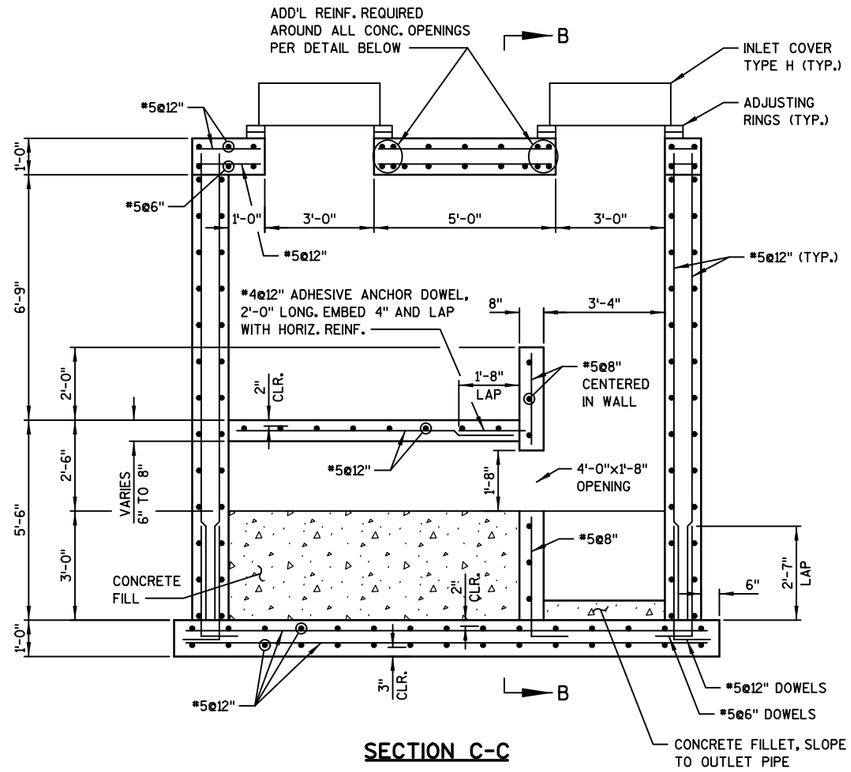


INLET PV3581 (SCREEN STRUCTURE)

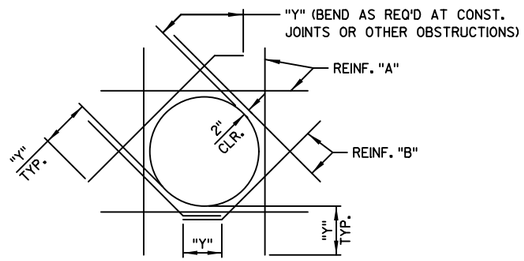
SECTION A-A

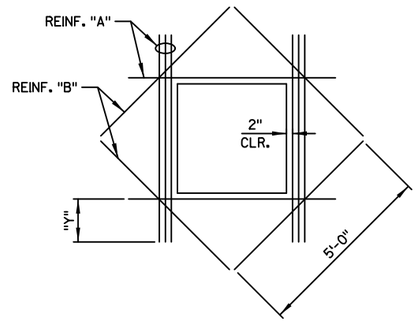


SECTION B-B



SECTION C-C



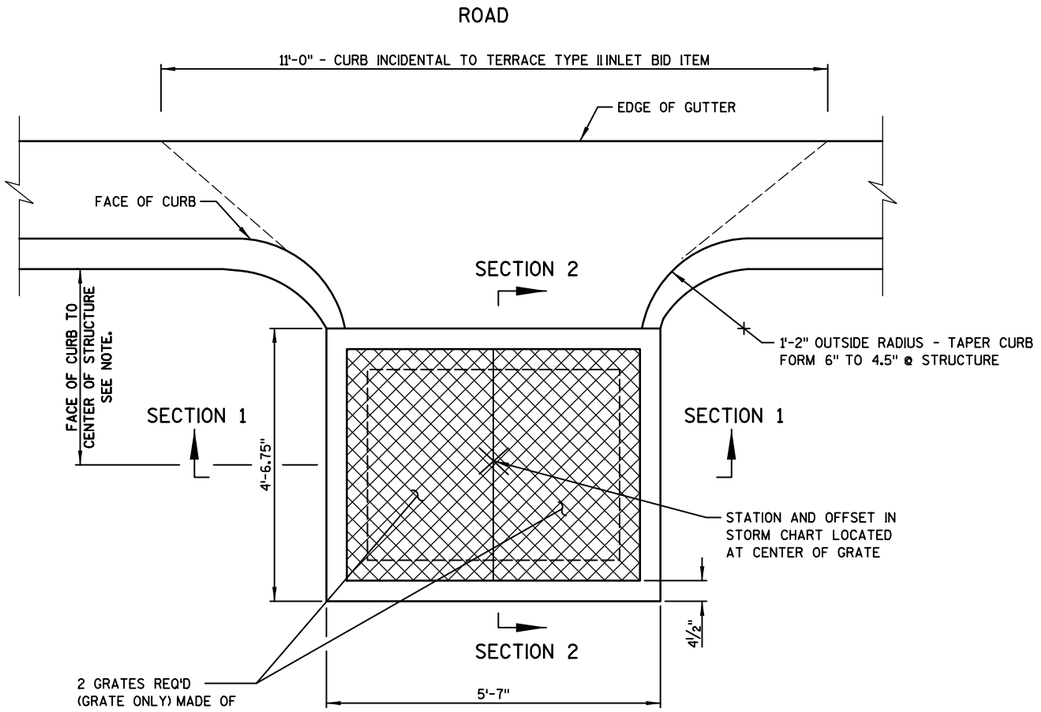


REINFORCEMENT AT CONCRETE OPENINGS

NOTES:

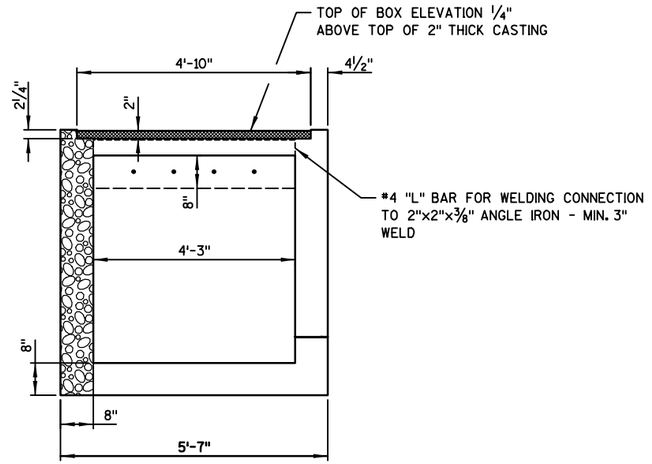
1. MOVE REINF. MAX. OF 2" TO CLEAR OPENING, CUT REMAINING BAR THROUGH OPENING. WHERE REINF. MUST BE CUT, ADD REINF. "A" AT LEAST EQUAL IN AREA TO THAT WHICH WAS CUT AND EXTEND BEYOND OPENING DISTANCE "Y".
2. DIAGONAL BARS "B" TO BE PLACED:
   A. AT ℄ OF WALL WHERE ONE LAYER OF REINF. IS PROVIDED.
   B. AT EACH FACE OF WALL WHERE TWO LAYERS OF REINF. ARE PROVIDED
   C. AT TOP & BOTTOM OF ALL SLABS.
3. UNLESS OTHERWISE NOTED, SIZE OF REINF. "B" SHALL BE THE SIZE OF THE LARGEST REINF. BAR CUT.
4. Y = CLASS B LAP.
5. THIS DETAIL IS TO BE USED WHEN NO OTHER DETAIL IS SPECIFIED.
6. MINIMUM REINF. "A" & "B" AROUND ANY AND ALL OPENINGS SHALL BE *4.

INLET PV3581 (SCREEN STRUCTURE)

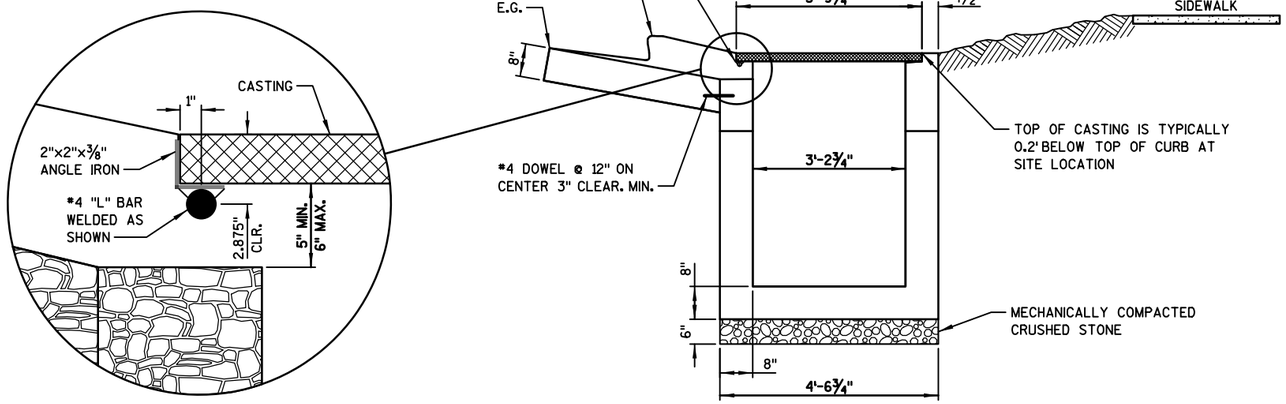


STRUCTURE

PLAN VIEW



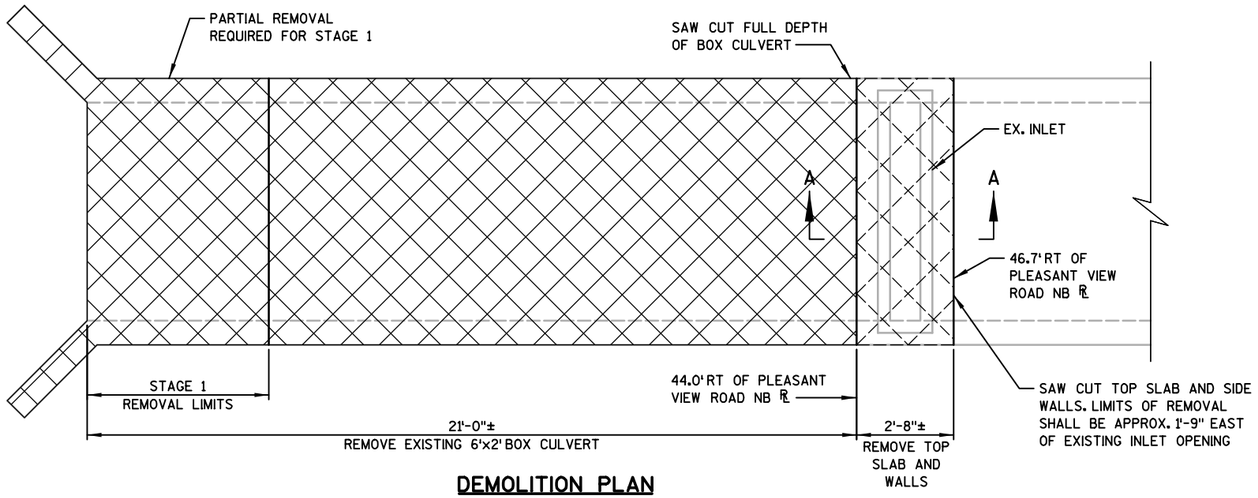
SECTION 1



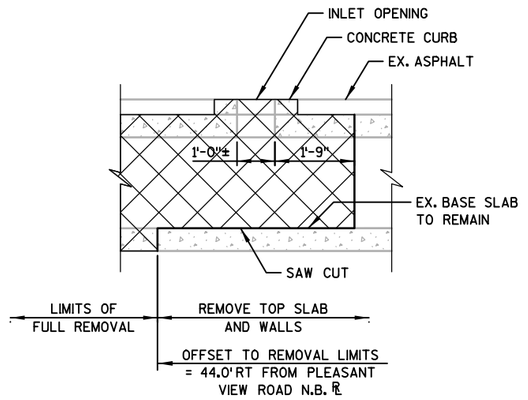
SECTION 2

TERRACE INLET TYPE II

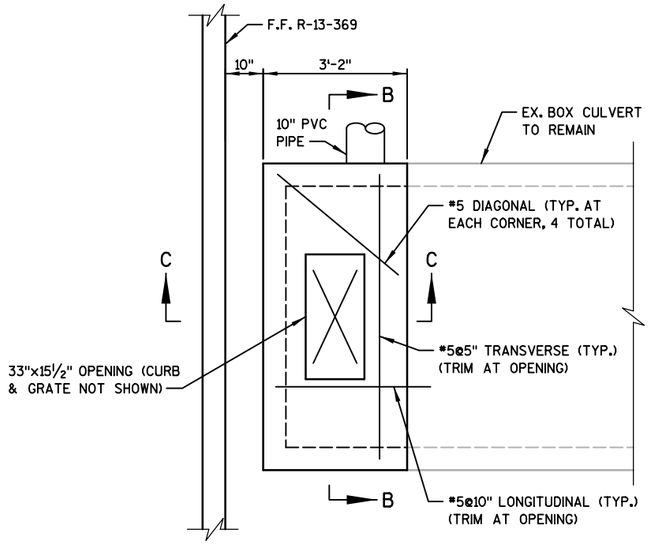
SEE CITY OF MADISON STANDARD DETAIL DRAWING 5.7.12A FOR MORE INFORMATION



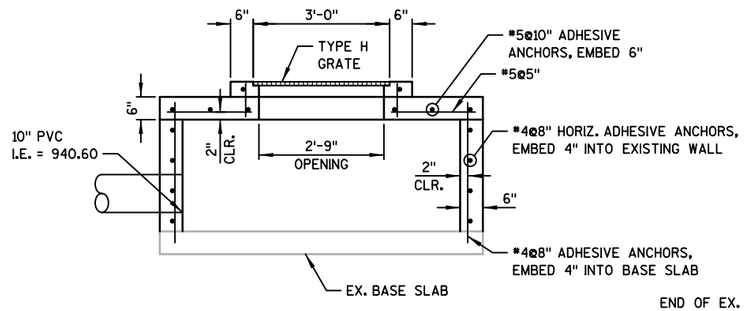
DEMOLITION PLAN



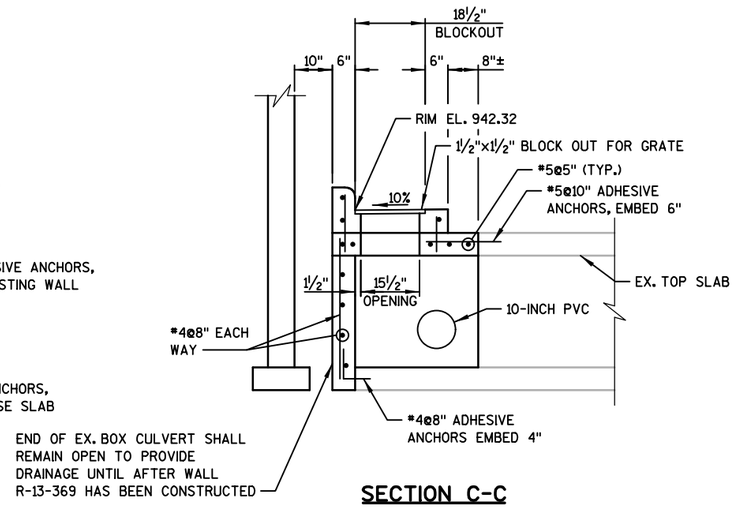
DEMOLITION SECTION A-A



BOX CULVERT TOP SLAB PLAN



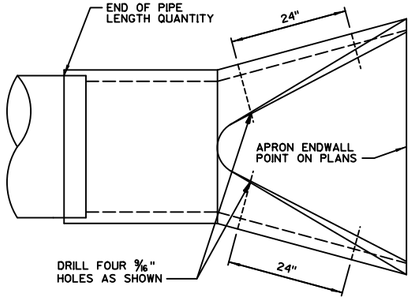
SECTION B-B

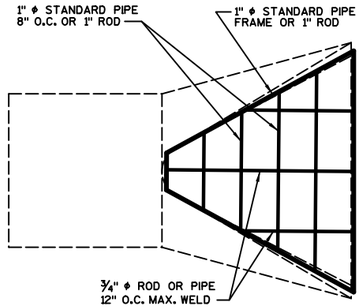


SECTION C-C

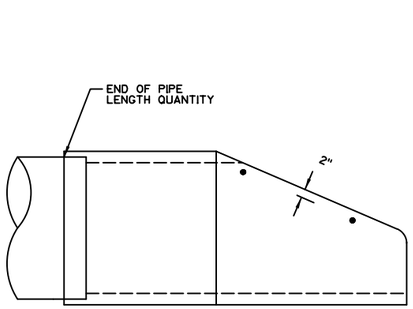
INLET PV536 (BOX CULVERT MODIFICATIONS)

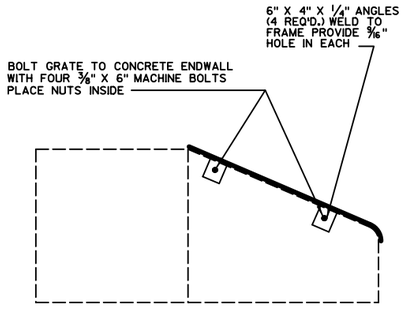
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 30	E

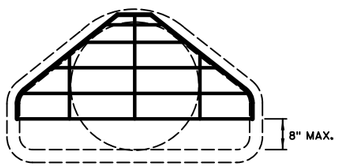




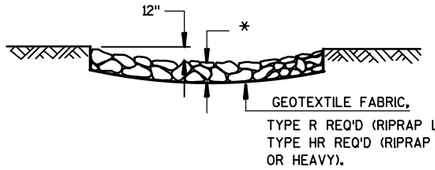
AT EACH PIPE



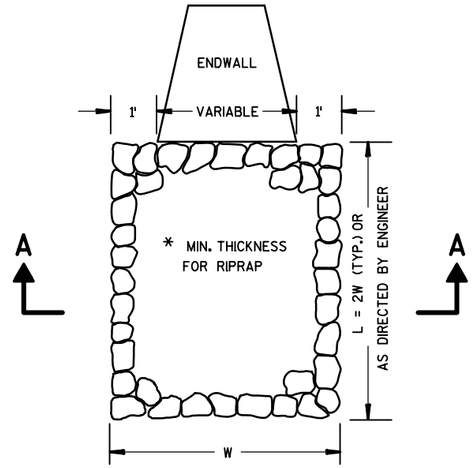




PIPE GRATE DETAIL



SECTION A-A



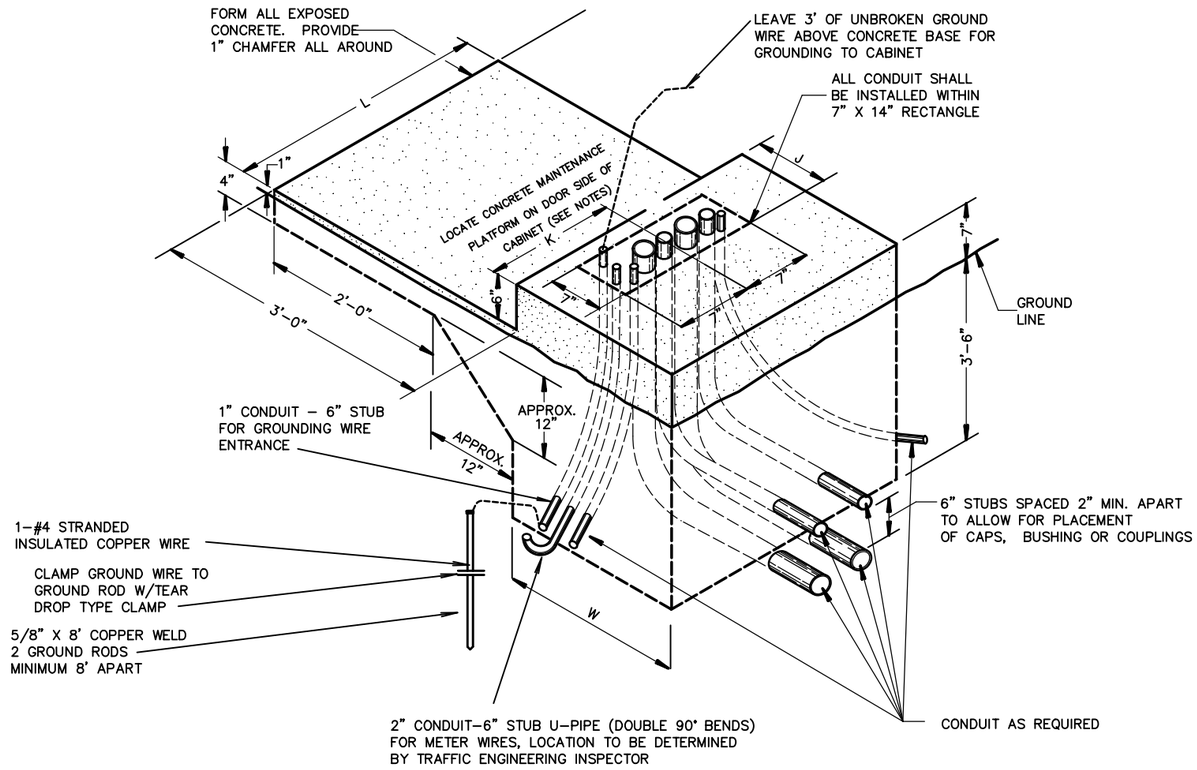
* 12" MIN. THICKNESS
FOR RIPRAP LIGHT

18" MIN. THICKNESS
FOR RIPRAP MEDIUM

24" MIN. THICKNESS
FOR RIPRAP HEAVY

RIPRAP TREATMENT AT CULVERTS

CONTROL CABINET BASE TYPE	DIMENSIONS				C.Y. CONCRETE (APPROX.)
	L	W	J	K	
TYPE P	48"	30"	16"	24"	1.549
TYPE P MODIFIED	–	–	–	–	–
TYPE OTHER	–				–



GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL CONDUIT SHALL BE PVC, SCHEDULE 40

DEPTH OF CONDUIT EXITING THE BASE SHALL MATCH THE DEPTH SPECIFIED FOR CONDUIT INSTALLATION.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED AND LEVEL.

MAINTENANCE PLATFORM SHALL NOT BE INSTALLED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MINIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUITS SHALL EXIT THE BASE IN THE DIRECTION OF THE STRUCTURE IT IS TERMINATING INTO.

MAINTENANCE PLATFORM SIZE MAY VARY ON ACCOUNT OF CONDITIONS. VERIFY THE MAINTENANCE PLATFORM SIZE WITH ENGINEER PRIOR TO POURING BASE.

CONTACT ENGINEER PRIOR TO GROUND ROD BURIAL

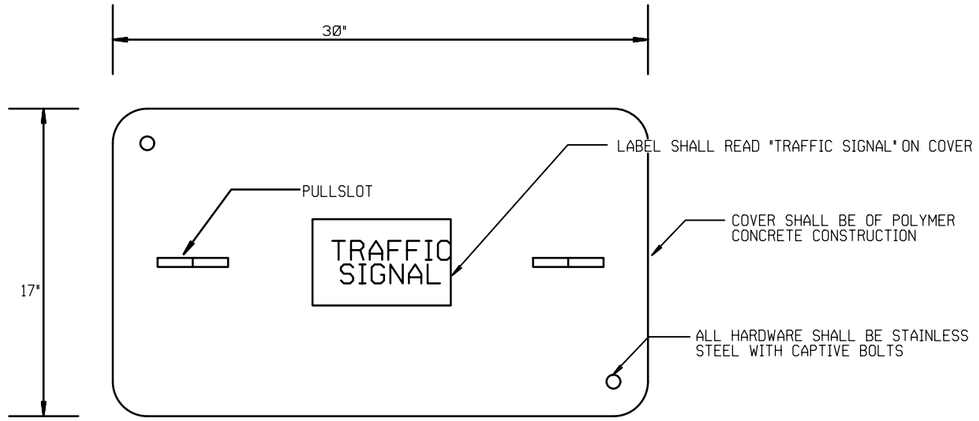
CONCRETE CONTROL CABINET BASES

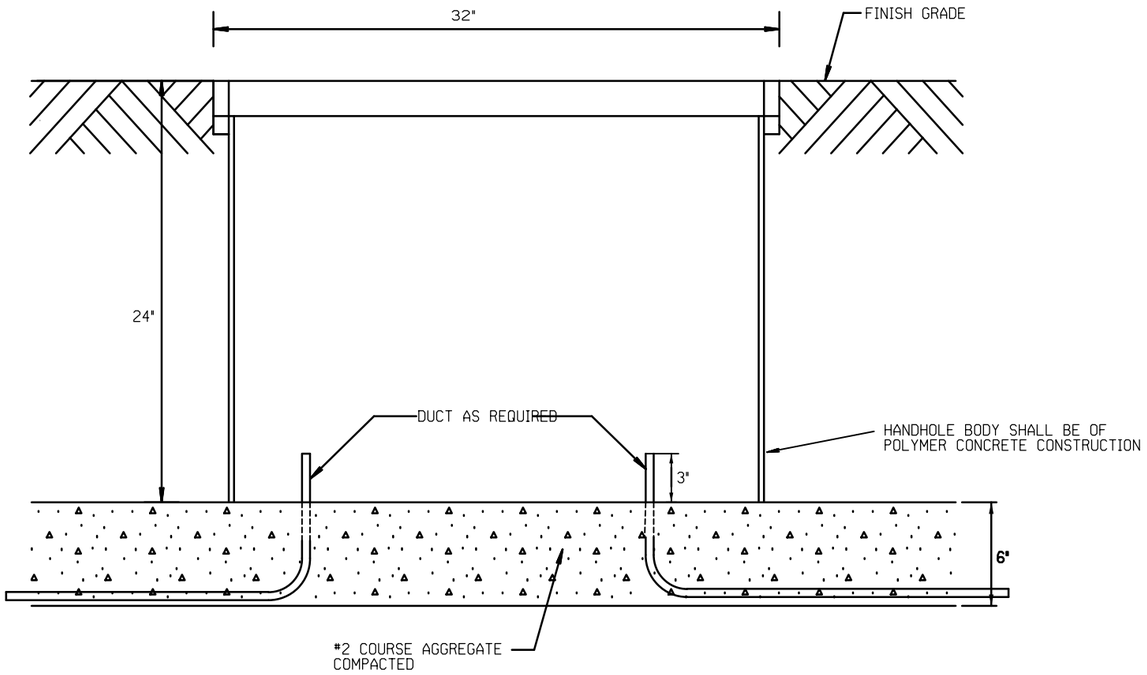
TYPE P

(ISOMETRIC VIEW)

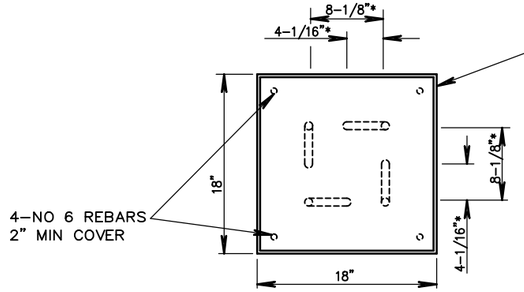
CONCRETE BASE TYPE P - CITY OF MADISON

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 32	E





ELECTRICAL PULLBOX TYPE I-CITY OF MADISON

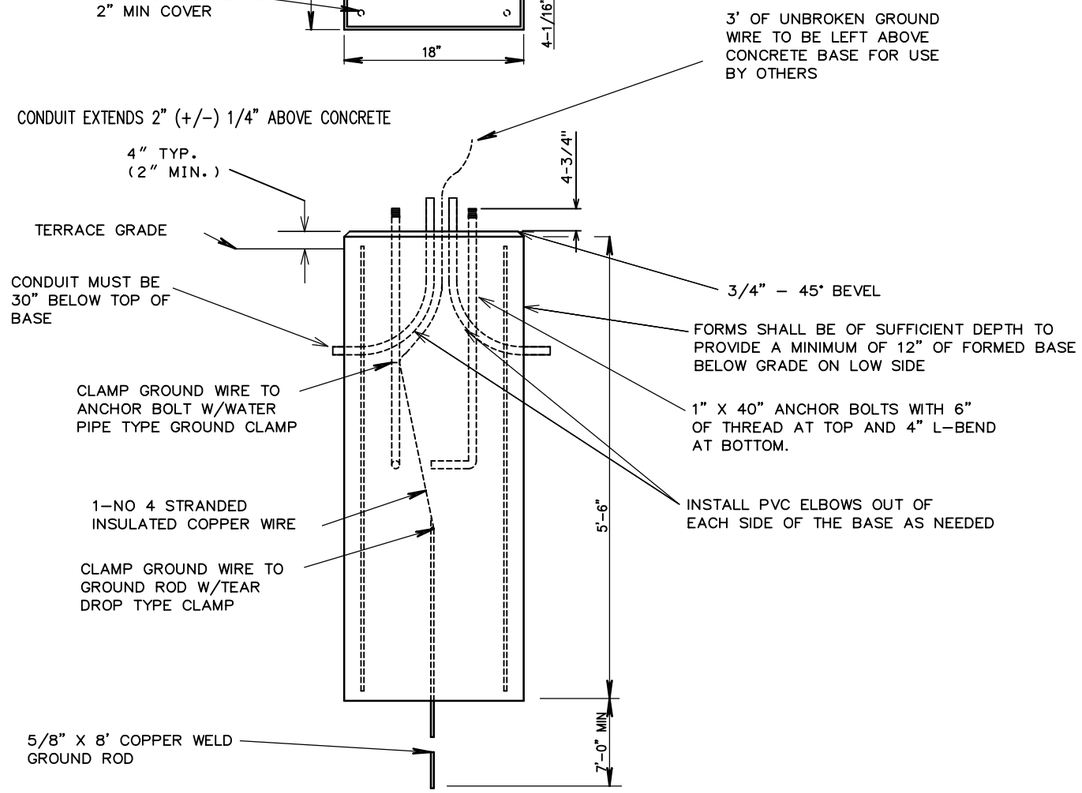


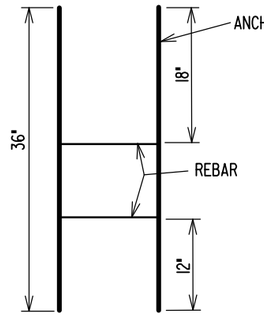
MAY USE 20" DIAMETER BASE BELOW SQUARE TOP FORMED SECTION

*IF ANOTHER BOLT CIRCLE IS REQUIRED, INSTEAD OF THE 11.5" BOLT CIRCLE SHOWN, THE FOLLOWING DIMENSIONS SHOULD BE USED

11" BOLT CIRCLE

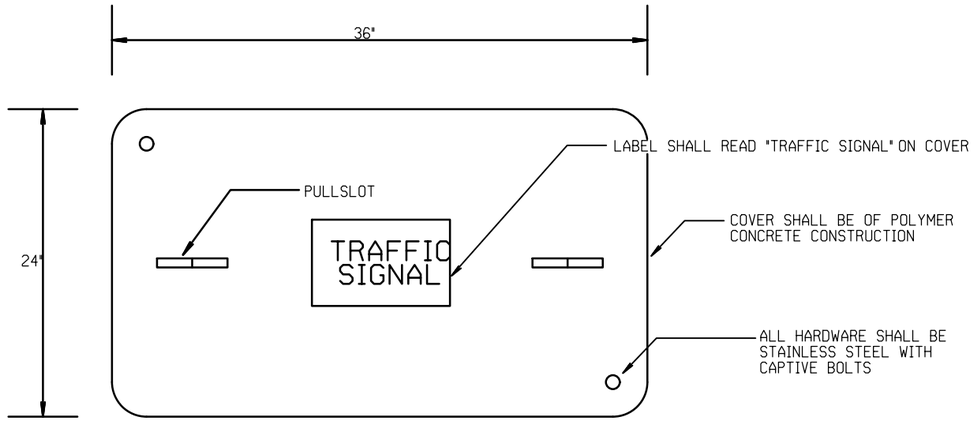
CENTER TO BOLT 3-7/8"
BOLT TO BOLT 7-3/4"

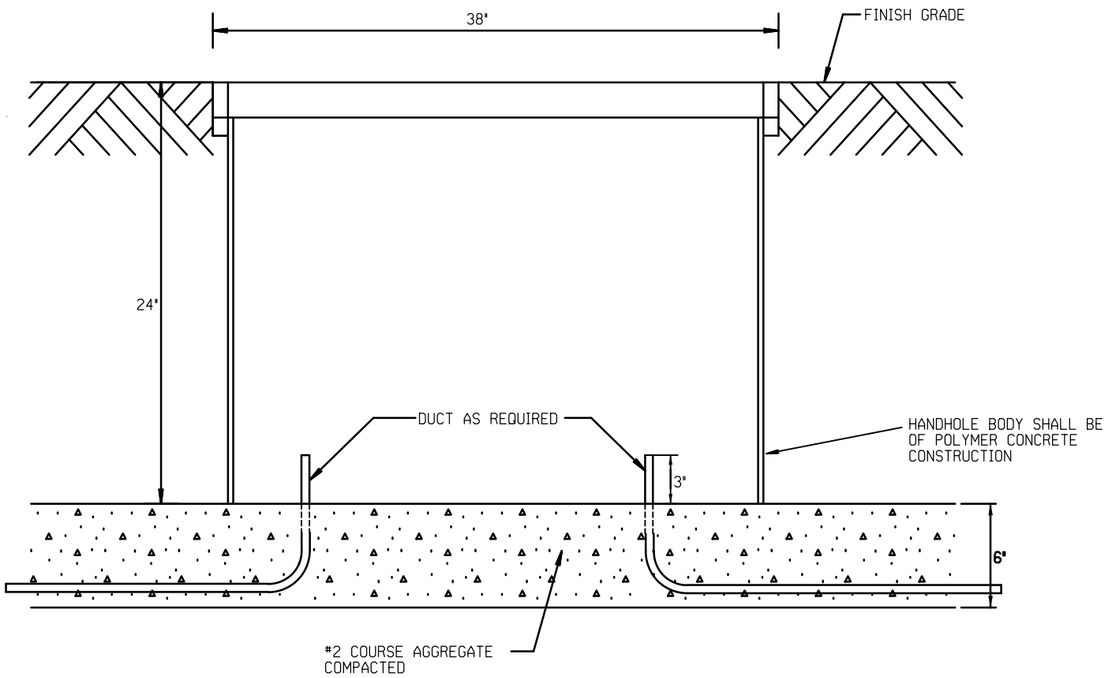




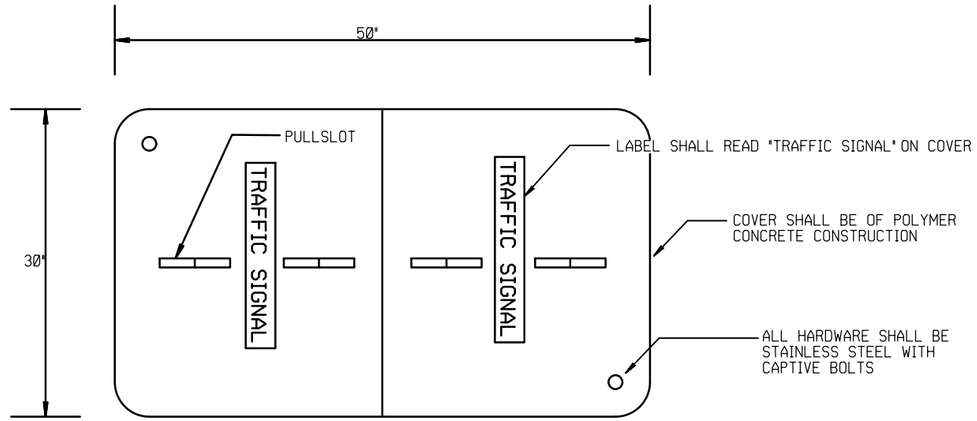
HORIZONTAL REBAR SHALL BE TACK WELDED OR WIRED TO ANCHOR BOLTS TO FORM ANCHOR BOLT CAGE BEFORE POURING CONCRETE.

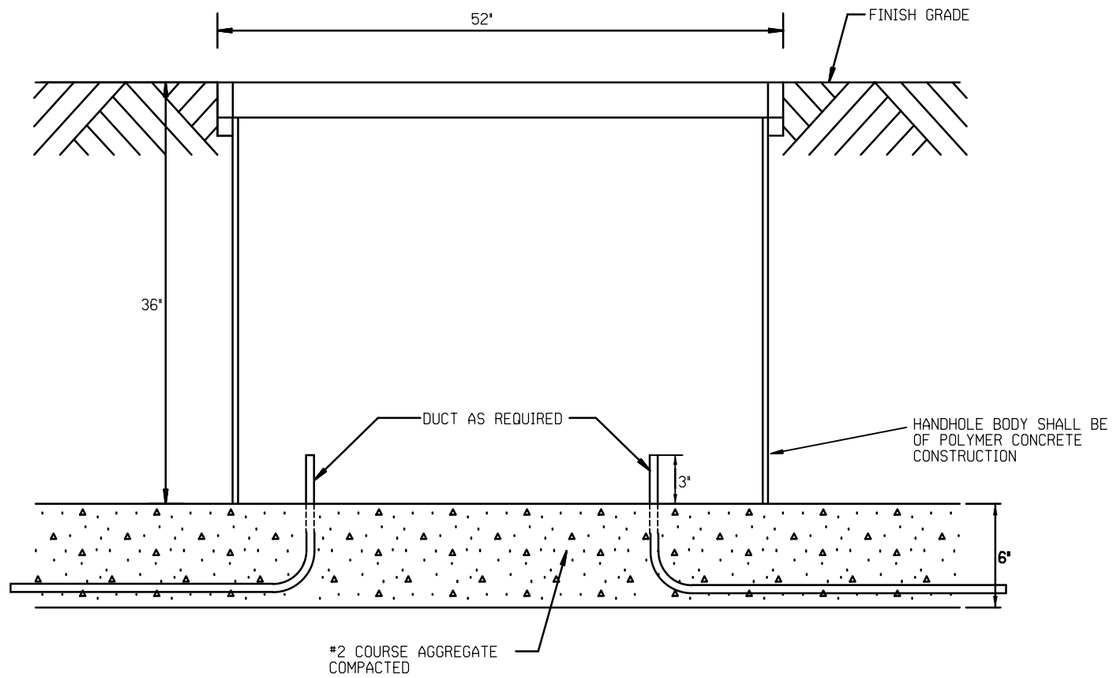
CONCRETE BASE TYPE LB-3





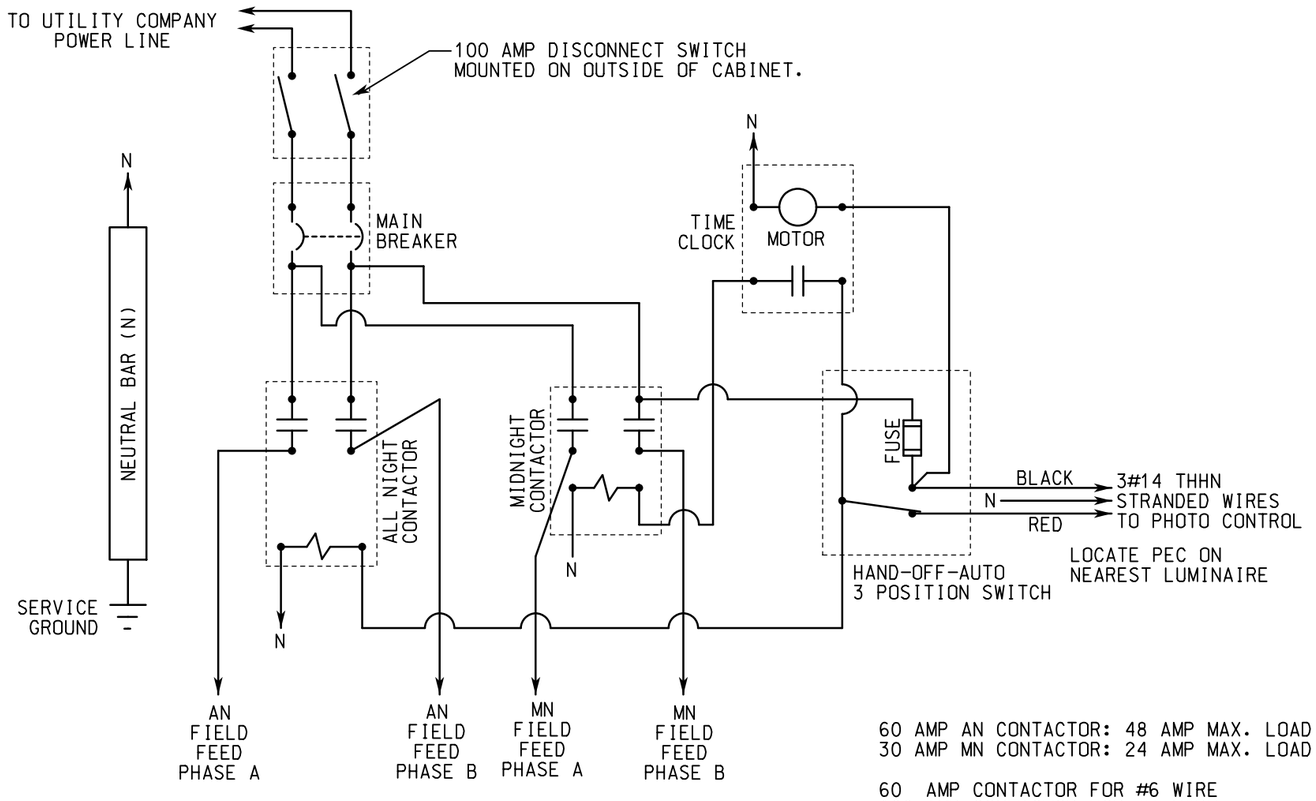
ELECTRICAL PULLBOX TYPE V-CITY OF MADISON





ELECTRICAL PULLBOX TYPE VII-CITY OF MADISON

2

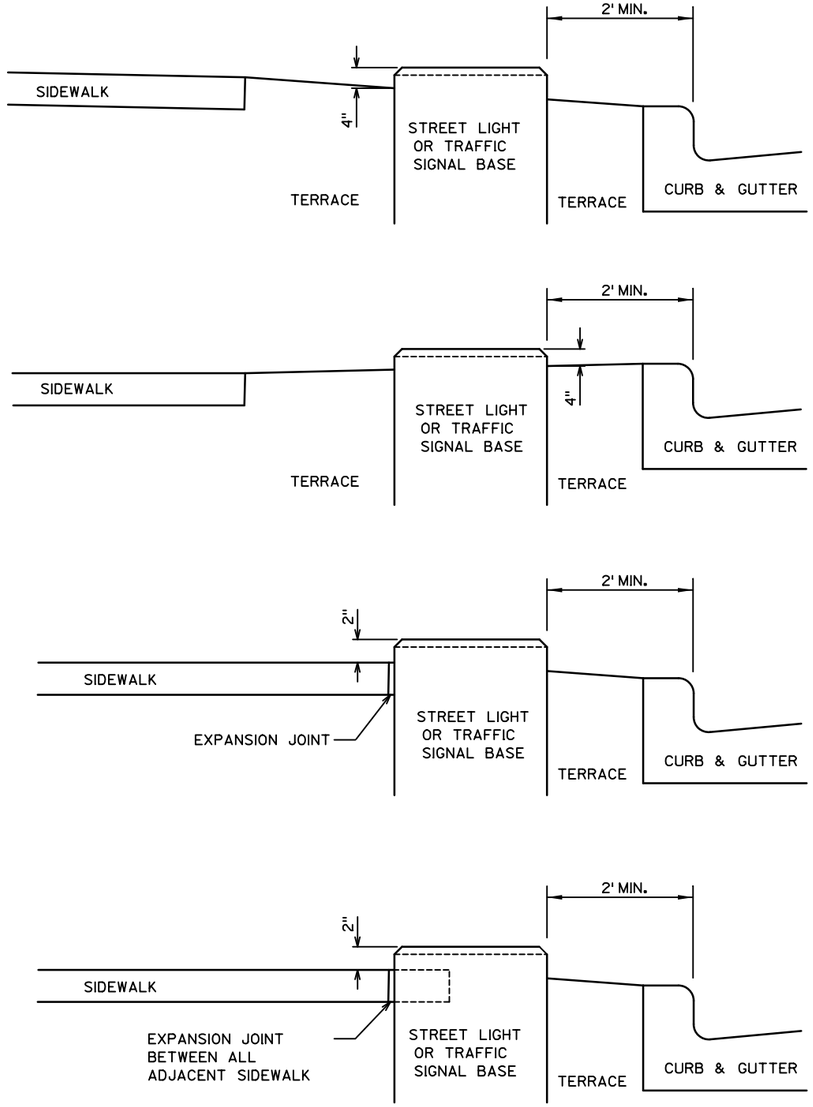


60 AMP AN CONTACTOR: 48 AMP MAX. LOAD
30 AMP MN CONTACTOR: 24 AMP MAX. LOAD

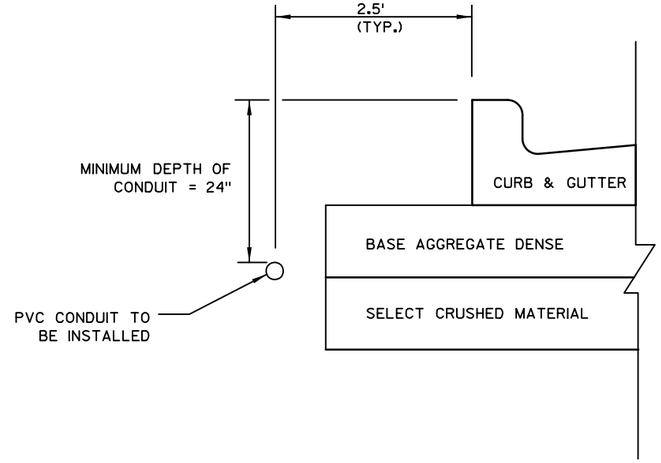
60 AMP CONTACTOR FOR #6 WIRE
100 AMP CONTACTOR FOR #4 WIRE

NOTE:
CONTRACTOR SHALL CONNECT CIRCUIT WIRING IN SUCH A MANNER TO BALANCE THE LOAD BETWEEN PHASE A AND B AS CLOSE AS POSSIBLE AND AS DIRECTED BY THE ENGINEER.

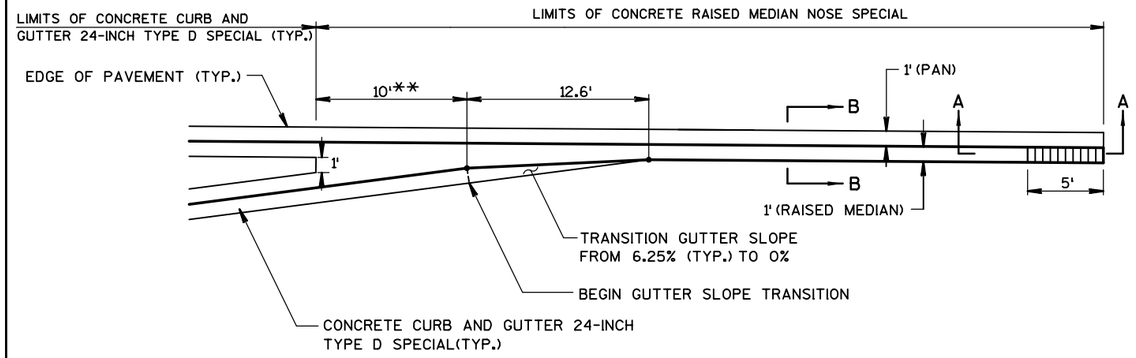
120V STREET LIGHT CONTROL PANEL ELECTRICAL SERVICE DETAIL



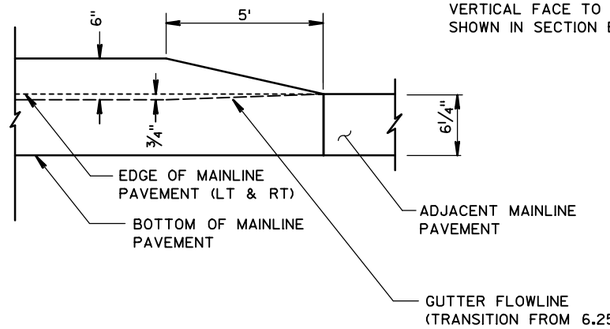
TYPICAL ELEVATIONS FOR CONCRETE BASES



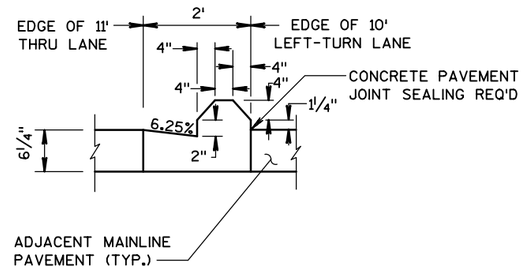
TYPICAL CONDUIT INSTALLATION PARALLEL TO CURB & GUTTER



** TRANSITION CONCRETE CURB FACE FROM A VERTICAL FACE TO A SLOPED FACE AS SHOWN IN SECTION B-B



SECTION A-A



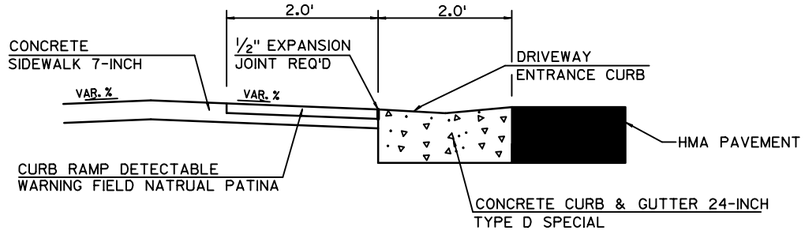
SECTION B-B

SEE S.D.D. "CONCRETE MEDIAN NOSE" FOR ADDITIONAL INFORMATION

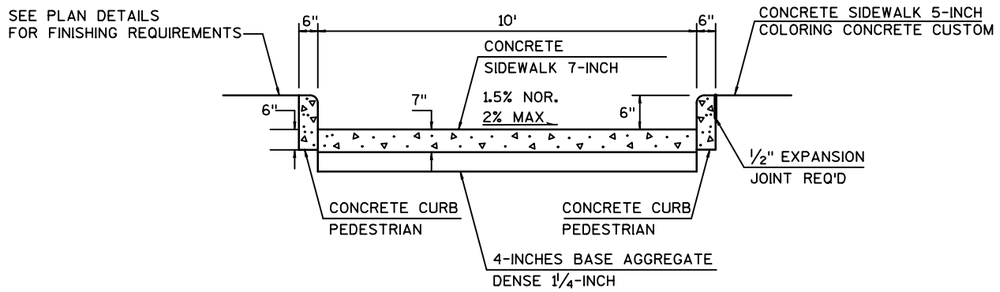
SEE S.D.D. "CONCRETE CURB, CONCRETE CURB & GUTTER AND PAVEMENT TIES" FOR ADDITIONAL INFORMATION

CONCRETE RAISED MEDIAN NOSE SPECIAL

STA. 175+25.34 TO STA. 175+57.52 LT

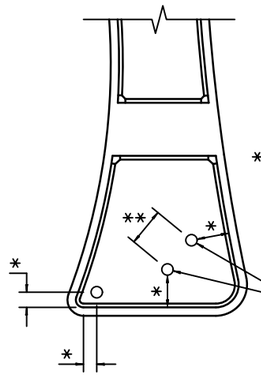


SECTION A-A



SECTION B-B

SECTION C-C



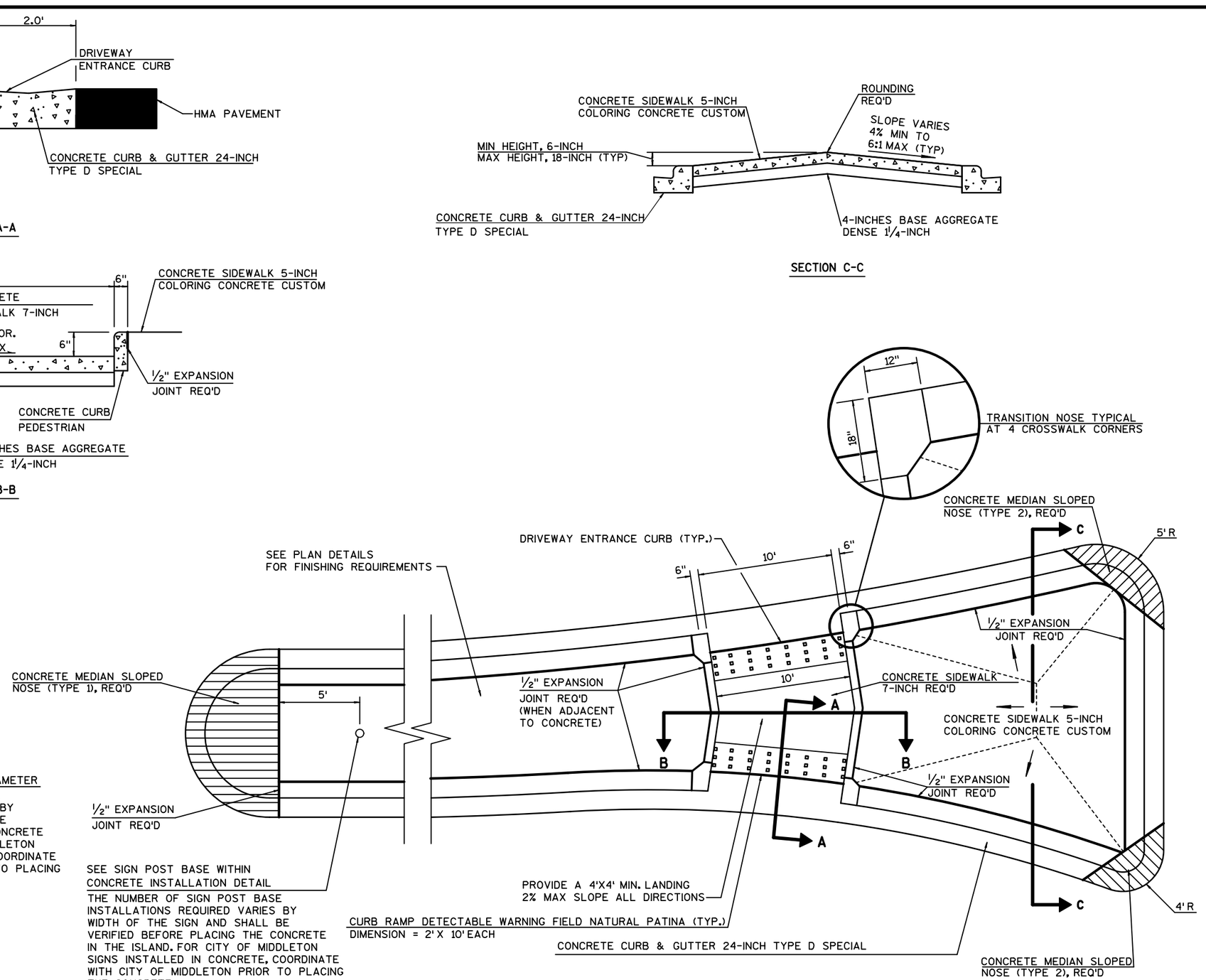
* DISTANCE TO BE LAID OUT IN THE FIELD BASED ON SIGN SIZE. TWO FOOT MINIMUM CLEARANCE BETWEEN THE EDGE OF SIGN AND THE FACE OF CURB.

** SEE A4-4 SIGN PLATE FOR POST SPACING REQUIREMENTS.

USE A 18-INCH MINIMUM INSIDE DIAMETER

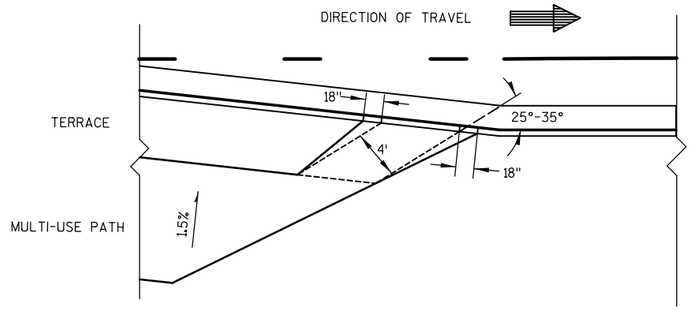
THE NUMBER OF SIGN POST BASE INSTALLATIONS REQUIRED VARIES BY WIDTH OF THE SIGN AND SHALL BE VERIFIED BEFORE PLACING THE CONCRETE IN THE ISLAND. FOR CITY OF MIDDLETON SIGNS INSTALLED IN CONCRETE, COORDINATE WITH CITY OF MIDDLETON PRIOR TO PLACING THE CONCRETE.

CENTER AND SPLITTER ISLAND SIGN LOCATION DETAIL (TYP)

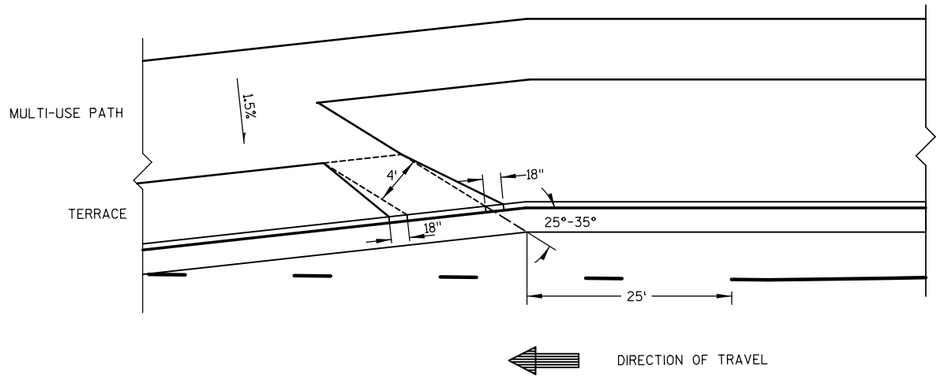


SPLITTER ISLAND DETAIL

NOTES: INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE. USE FULL DETECTABLE WARNING FIELD PANELS.

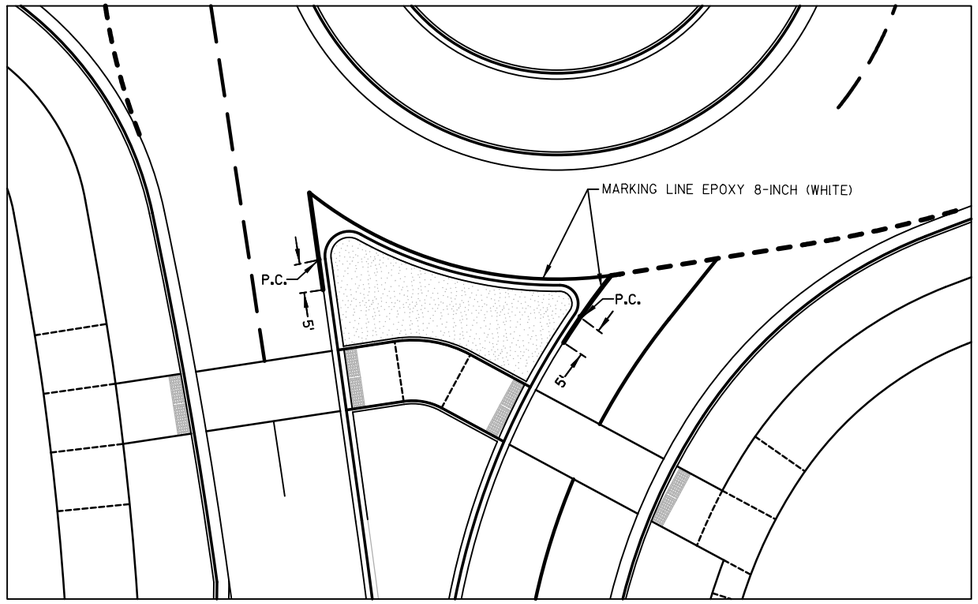


BIKE RAMP ENTRANCE



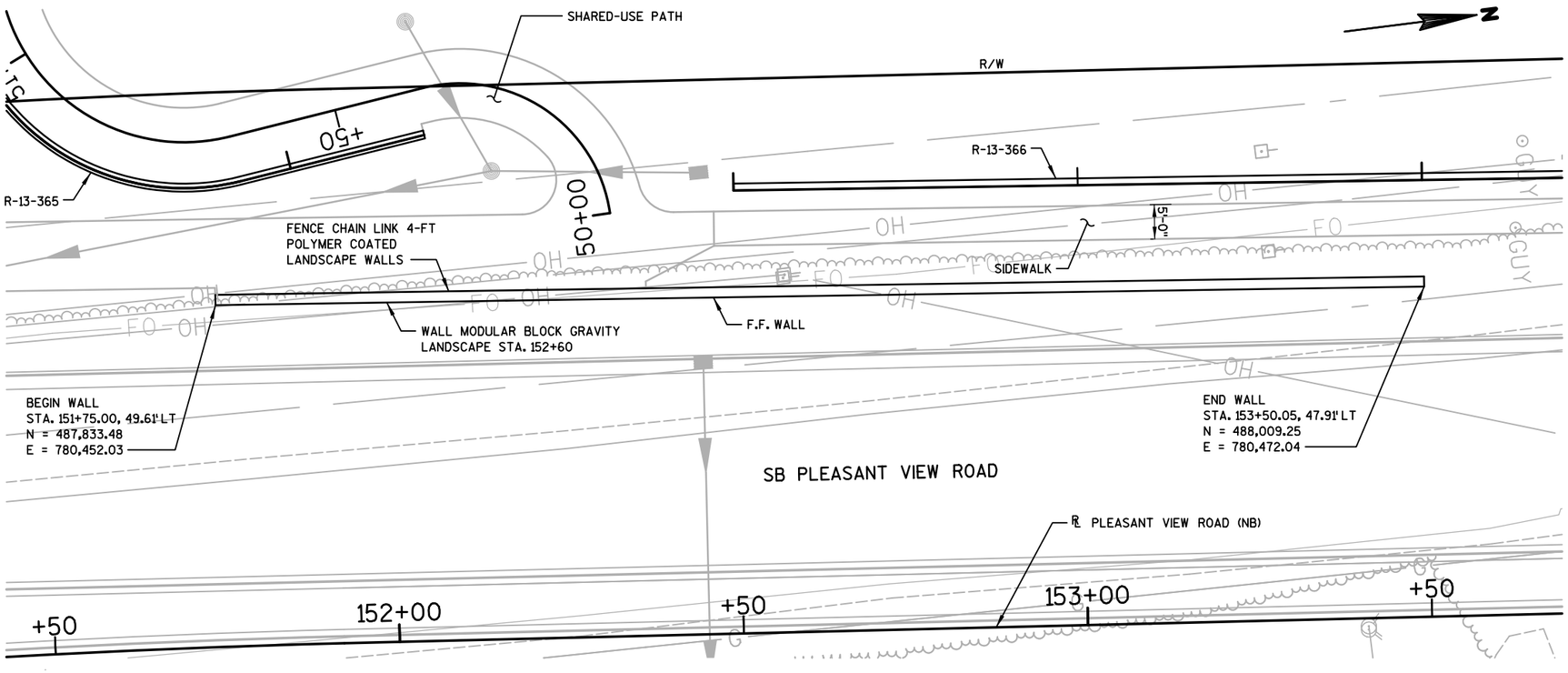
BIKE RAMP EXIT

BIKE RAMP ENTRANCE AND EXIT

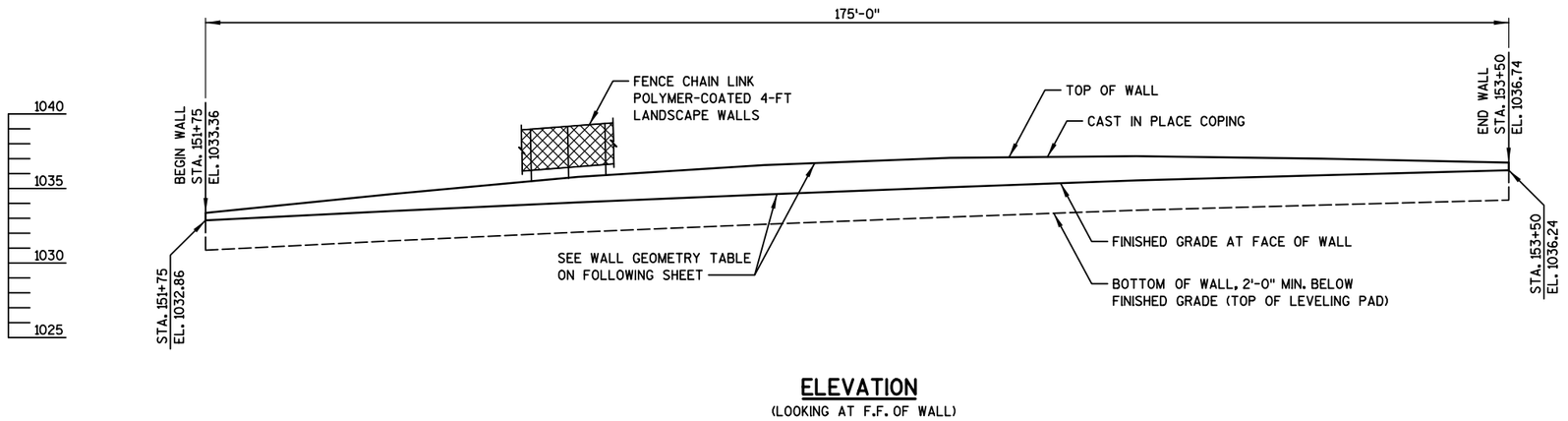


ROUNDABOUT PAVEMENT MARKING DETAILS

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\021009_cd_RAB marking_bike ramp.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



PLAN
(MODULAR BLOCK GRAVITY LANDSCAPE WALL)



ELEVATION
(LOOKING AT F.F. OF WALL)

GENERAL NOTES
DRAWINGS SHALL NOT BE SCALED.

THE PLAN QUANTITY FOR THE BID ITEM "WALL MODULAR BLOCK GRAVITY LANDSCAPE STA. 152+60" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 2'-0" FT BELOW FINISHED GRADE. SEE "MISCELLANEOUS QUANTITIES" FOR WALL MODULAR BLOCK GRAVITY LANDSCAPE QUANTITY.

EXCAVATION FOR WALL IS INCLUDED WITH BID ITEM "WALL MODULAR BLOCK GRAVITY LANDSCAPE STA. 152+60".

ALL DIMENSIONS ARE ALONG THE FRONT FACE OF THE WALL, UNLESS OTHERWISE SHOWN.

DESIGN DATA
THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY LANDSCAPE".

A GEOTECHNICAL INVESTIGATION HAS BEEN COMPLETED FOR THIS WALL. SOIL PARAMETERS ARE PROVIDED ON THE FOLLOWING SHEET.

PLANS, ELEVATIONS AND DETAILS SHOWN ON THIS DRAWING IS INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET AND THE ROADWAY CROSS SECTIONS.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED IN FRONT OF WALL AS SHOWN.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 100 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

LEGEND
F.F. = FRONT FACE

R/W = RIGHT OF WAY

NOTE:
SEE WALL DETAILS ON FOLLOWING SHEET.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION DETAILS: RETAINING WALL AT STA. 152+60	SHEET 40	E

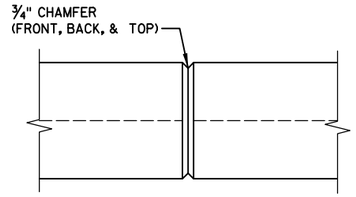
WALL GEOMETRY TABLE

STATION	OFFSET TO F.F. WALL	TOP OF WALL ELEV.	FINISHED GRADE ELEV.
151+75.00	49.61	1033.36	1032.86
152+00.00	49.27	1034.62	1033.48
152+25.00	49.05	1035.77	1034.06
152+50.00	48.82	1036.59	1034.60
152+75.00	48.59	1037.05	1035.08
153+00.00	48.36	1037.16	1035.54
153+25.00	48.14	1037.00	1035.89
153+50.00	47.91	1036.74	1036.24

SOIL PARAMETERS

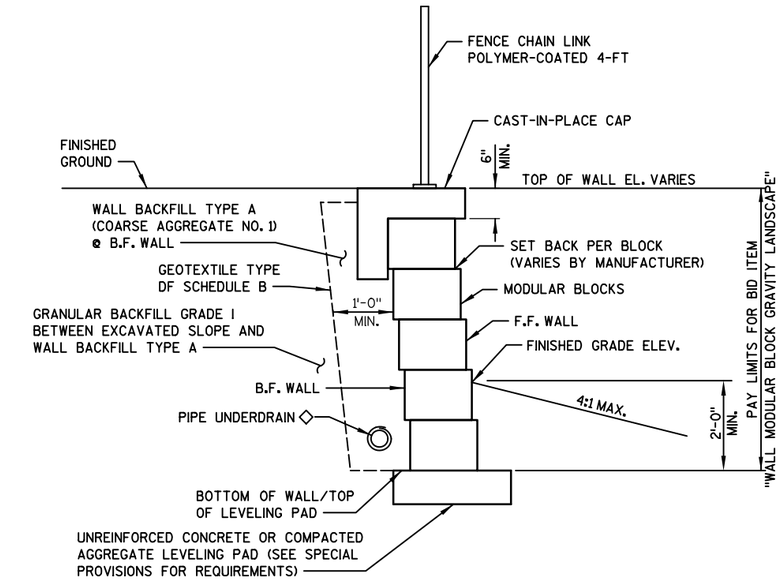
STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT	FRICTION ANGLE (DEGREES)	COHESION (PSF)
GRANULAR BACKFILL (REINFORCING ZONE OR BACKFILL)	120	30	0
GRANULAR RETAINED SOIL *	120	30	0
BOR B-8			
STIFF CLAY ELEV. 1035.9-1032.9	115	28	100
LOOSE TO MEDIUM DENSE SAND (WEATHERED BEDROCK) ELEV. 1032.9-1027.9	120	32	0
BEDROCK ELEV. 1027.9-1017.9	140	40	0

* DESIGN WALL FOR THESE VALUES.



COPING CONTRACTION JOINT

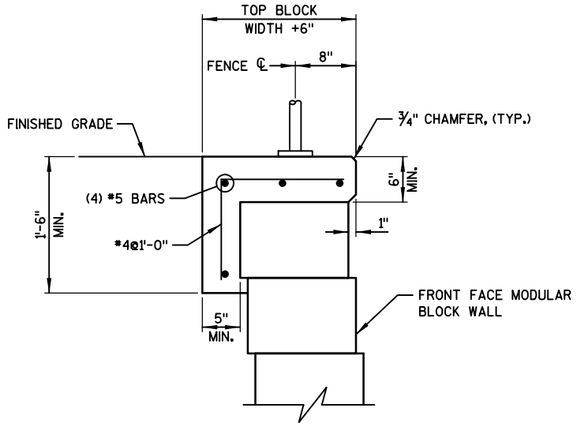
DO NOT RUN BAR STEEL THRU JOINT. MAX. SPACING OF JOINT = 10'.



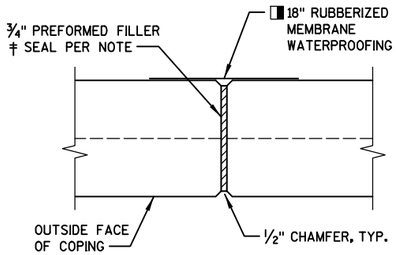
TYPICAL CROSS SECTION

LEGEND

◇ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. PROVIDE RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN. PIPE UNDERDRAIN IS INCLUDED IN BID ITEM "WALL MODULAR BLOCK GRAVITY LANDSCAPE."



CAST-IN-PLACE CONCRETE COPING

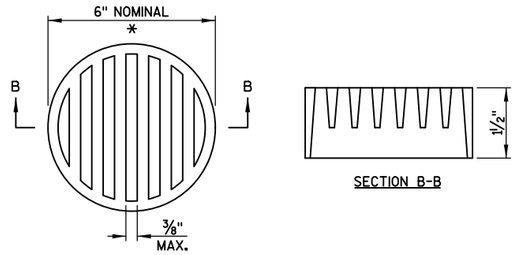


COPING EXPANSION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 50'

◨ MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO 6" BELOW TOP OF BLOCKS. MEMBRANE WATERPROOFING INCLUDED IN BID ITEM "WALL MODULAR BLOCK GRAVITY LANDSCAPE".

‡ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE.)



NOTES:

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

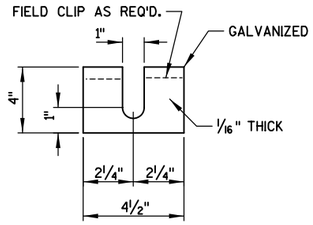
THE RODENT SHIELD, PIPE COUPLING AND ATTACHMENT SCREWS SHALL BE INCLUDED WITH BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH."

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

RODENT SHIELD DETAIL

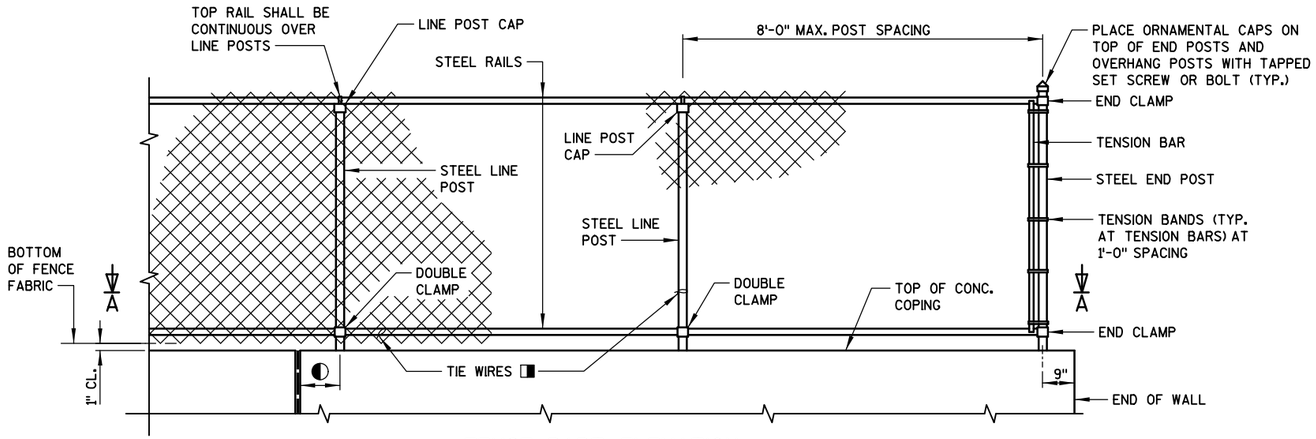
FENCE MEMBER SIZE & WEIGHT

STEEL FENCE MEMBER	OUTSIDE DIAMETER (INCHES)	WEIGHT (LB/FT)
RAILS	1.660	2.27
END POST	2.875	5.80
OVERHANG POST	2.875	5.80
LINE POST	2.375	3.65
POST SLEEVE	4.000	9.12



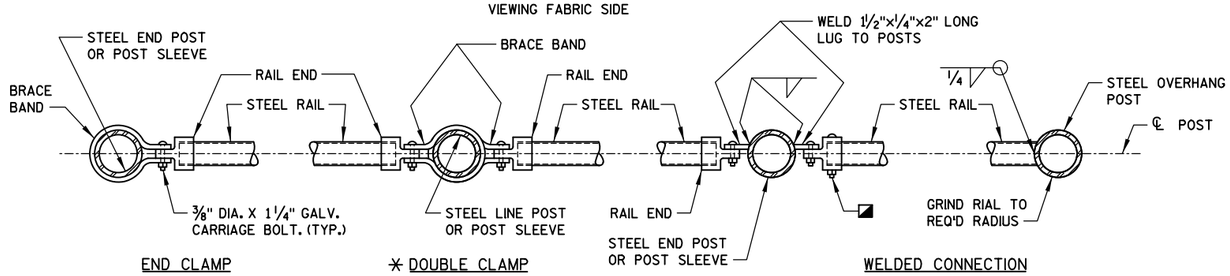
POST SHIM DETAILS

SHIMS REQUIRED ONLY WHEN END POSTS AND LINE POSTS ARE WELDED TO BASE PLATES. PROVIDE 4 SHIMS PER POST. USE WHERE REQUIRED FOR ALIGNMENT.



FENCE PART ELEVATION

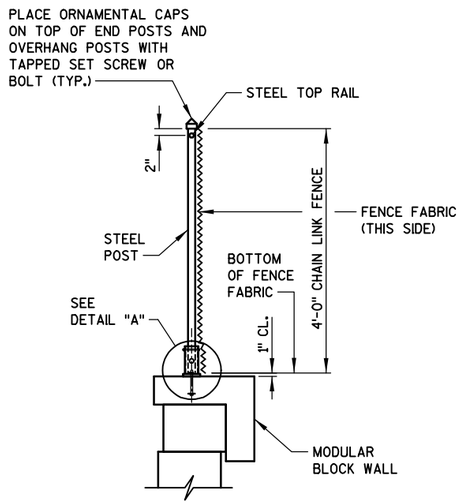
VIEWING FABRIC SIDE



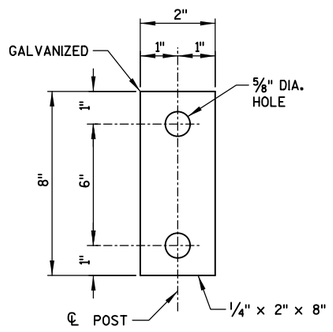
END CLAMP ✳ DOUBLE CLAMP WELDED CONNECTION (AT OVERHANG SECTION)

SECTION A-A

NOTE: PLACE ALL BOLT HEADS ON SIDE OF FENCE ADJACENT TO PEDESTRIANS

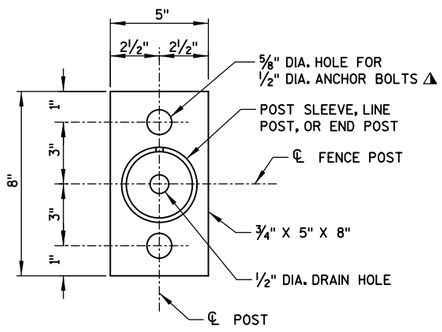


SECTION THRU FENCE

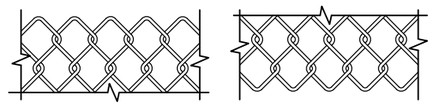


ANCHOR PLATE

☆ NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



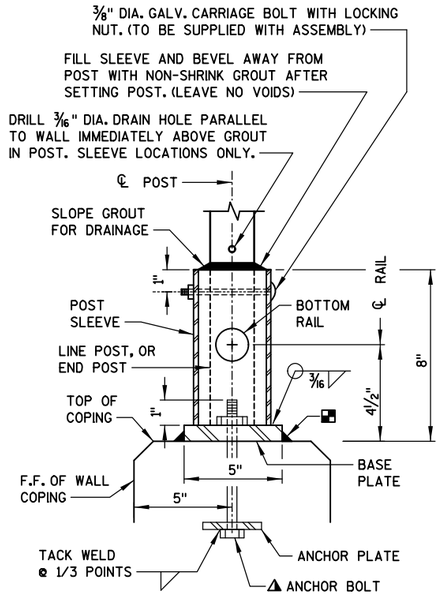
BASE PLATE



TOP DETAIL BOTTOM DETAIL

FENCE FABRIC

FENCE FABRIC WOVEN OF 9-GAGE WIRE IN 2" DIAMOND PATTERN MESH WITH BOTH THE TOP AND BOTTOM SELVAGES KNUCKLED.



DETAIL 'A'

UNIT SHALL BE GALVANIZED AFTER FABRICATION.
NOTE: IN LIEU OF USING THE POST SLEEVE, THE FENCE POST MAY BE WELDED TO THE BASE PLATE.

GENERAL NOTES

THE BID ITEM SHALL BE "FENCE CHAIN LINK POLYMER-COATED 4-FT LANDSCAPE WALLS". BID ITEM INCLUDES ALL ITEMS SHOWN.

POSTS ARE TO BE SET VERTICAL.

ALL FENCE COMPONENTS SHALL BE GALVANIZED STEEL WITH A COLORED POLYMER-COATING ON THE OUTSIDE.

FABRIC SHALL CONFORM TO ASTM F668, CLASS 2B. STEEL RAILS, POSTS AND POST SLEEVES SHALL CONFORM TO ASTM F1083, STANDARD WEIGHT PIPE (SCHEDULE 40). FITTINGS SHALL CONFORM TO ASTM F626. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

THE COLOR OF POLYMER-COATING FOR THIS STRUCTURE SHALL BE BLACK IN ACCORDANCE WITH ASTM F934.

COMPLETE ANY REQUIRED WELDING OF COMPONENTS BEFORE GALVANIZING.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

BASE PLATES, ANCHOR PLATES AND SHIMS SHALL BE ASTM A709, GRADE 36.

ALL POST SPACINGS ARE MEASURED HORIZONTALLY ALONG THE C/L OF THE POST.

THE POSTS FOR WALL AT NORTHWESTERN STONE DRIVEWAY SHALL BE EMBEDDED IN CONCRETE FOOTING BEHIND WALL RATHER THAN SURFACE MOUNTED AS SHOWN IN THE DETAILS IN THIS SHEET.

◪ CAULK AROUND PERIMETER OF BASE PLATE AND FILL PORTION OF SLOTTED HOLE AROUND ANCHOR BOLT IN SHIM WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

✳ ALTERNATE TO DOUBLE CLAMP: USE LINE RAIL CLAMP (BOULEVARD) OR 180° BRACE BAND, WHICH MAY BE USED WHEN THE POSTS ARE EITHER BOLTED TO THE POST SLEEVES OR DIRECTLY WELDED TO THE BASE PLATE.

◭ ANCHOR BOLTS, NUTS AND WASHERS SHALL BE EITHER STAINLESS STEEL OR ASTM 307. IF 307 IS USED, ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED. ☆

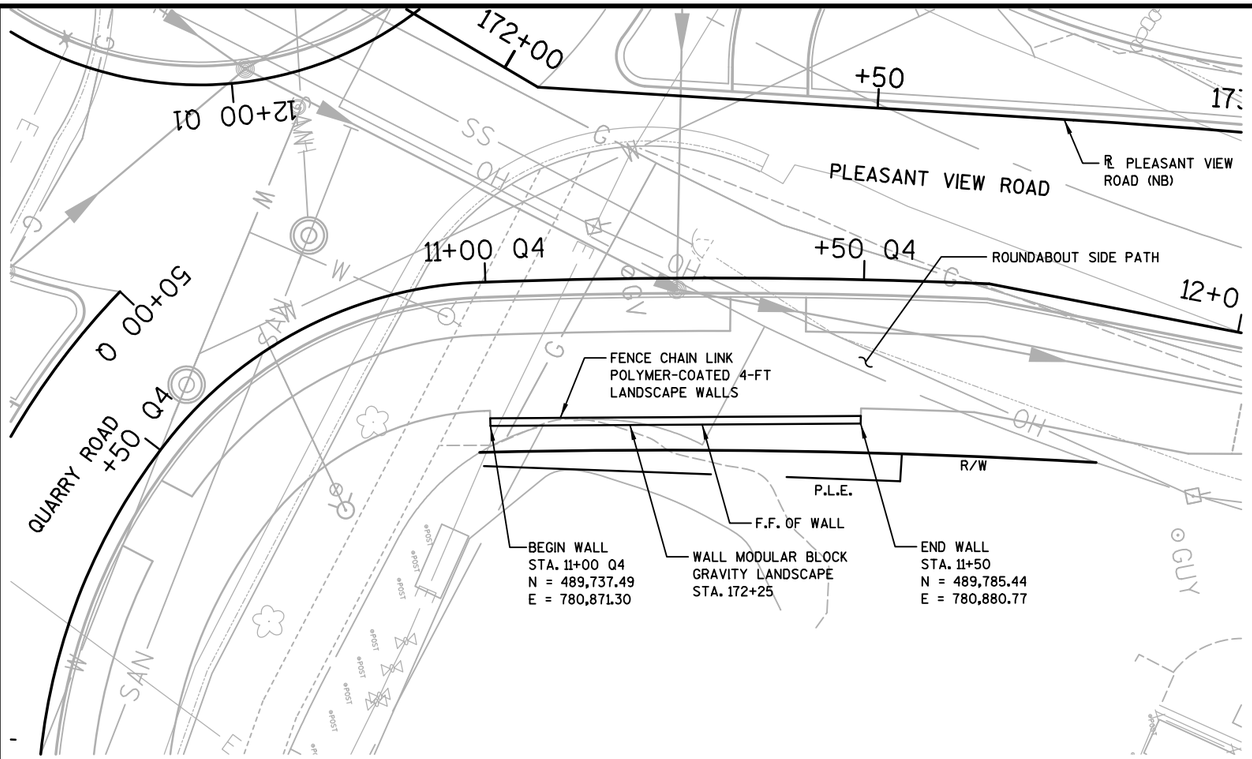
☆ ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS 1/2-INCH, EMBED 7" IN CONCRETE. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 AND 502.3.14 OF THE STANDARD SPECIFICATIONS.

◪ BOLT RAIL TO RAIL END TO SECURE OVERHANG SECTION. ALTERNATE IS TO WELD RAIL DIRECTLY TO END POST.

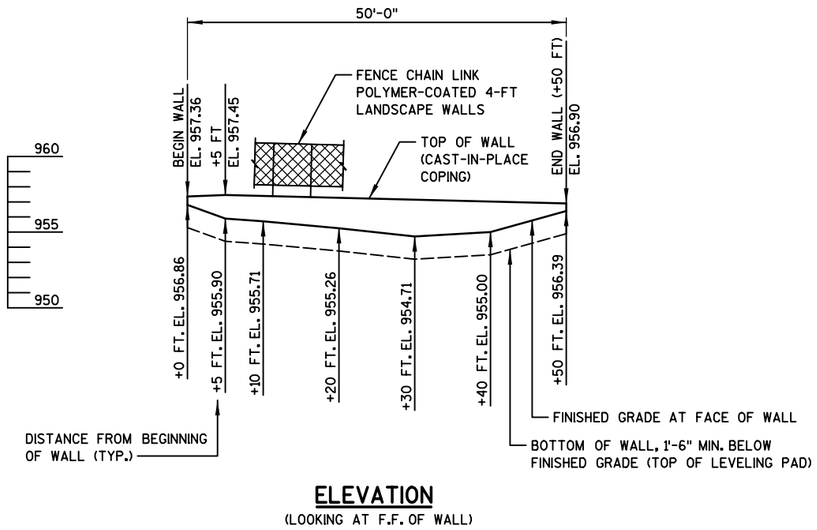
◐ 1'-0" MIN. DISTANCE BETWEEN CENTERLINE OF COPING JOINTS (BOTH EXPANSION AND CONTRACTION) AND CENTERLINE OF FENCE POSTS.

MINIMUM LENGTH OF TOP RAIL BETWEEN SPLICES SHALL BE 20'-0". LOCATE SPLICES NEAR 1/4 POINT OF POST SPACING.

◨ ATTACH FABRIC TO RAILS AND TO POSTS WITHOUT TENSION BANDS, WITH TIE WIRES (ROUND, 9-GAGE) SPACED AT 1'-0".



PLAN
(MODULAR BLOCK GRAVITY LANDSCAPE WALL)



ELEVATION
(LOOKING AT F.F. OF WALL)

GENERAL NOTES
DRAWINGS SHALL NOT BE SCALED.

THE PLAN QUANTITY FOR THE BID ITEM "WALL MODULAR BLOCK GRAVITY LANDSCAPE STA. 172+25" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" FT BELOW FINISHED GRADE. SEE "MISCELLANEOUS QUANTITIES" FOR WALL MODULAR BLOCK GRAVITY LANDSCAPE QUANTITY.

EXCAVATION FOR WALL IS INCLUDED WITH BID ITEM "WALL MODULAR BLOCK GRAVITY LANDSCAPE STA. 172+25".

ALL DIMENSIONS ARE ALONG THE FRONT FACE OF THE WALL, UNLESS OTHERWISE SHOWN.

DESIGN DATA
THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY LANDSCAPE".

A GEOTECHNICAL INVESTIGATION HAS BEEN COMPLETED FOR THIS WALL. SOIL PARAMETERS ARE PROVIDED ON NEXT SHEET.

PLANS, ELEVATIONS AND DETAILS SHOWN ON THIS DRAWING IS INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET AND THE ROADWAY CROSS SECTIONS.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED IN FRONT OF WALL AS SHOWN.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 100 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

LEGEND
F.F. = FRONT FACE

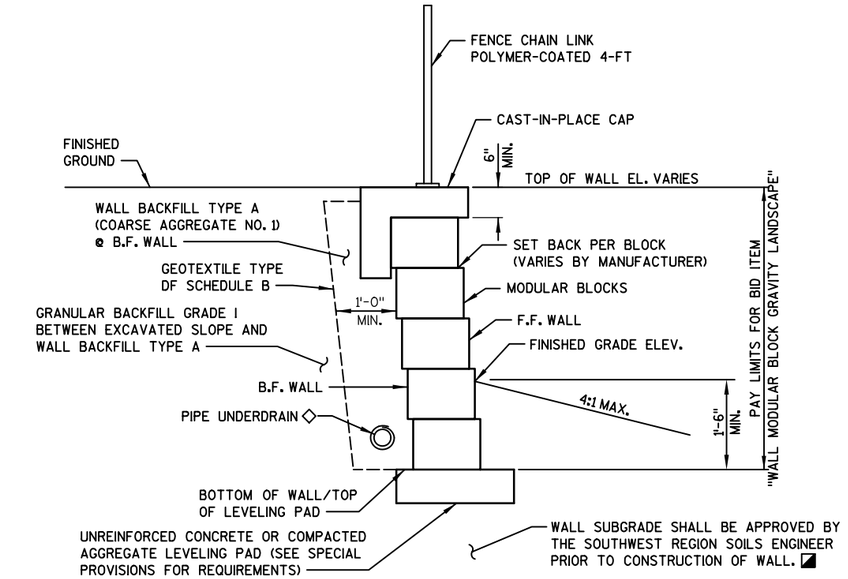
R/W = RIGHT OF WAY

NOTE
SEE WALL DETAIS ON FOLLOWING SHEET.

SOIL PARAMETERS

STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT	FRICTION ANGLE (DEGREES)	COHESION (PSF)
GRANULAR BACKFILL (REINFORCING ZONE OR BACKFILL)	120	30	0
GRANULAR RETAINED SOIL *	120	30	0
BOR B-22			
LOOSE SILTY SAND/SANDY SILT (PROBABLE FILL) ELEV. 954.7-951.2	115	28	0
LOOSE SILTY SAND ELEV. 951.2-946.7	115	29	0
MEDIUM DENSE SAND ELEV. 946.7-939.7	120	33	0

* DESIGN WALL FOR THESE VALUES.

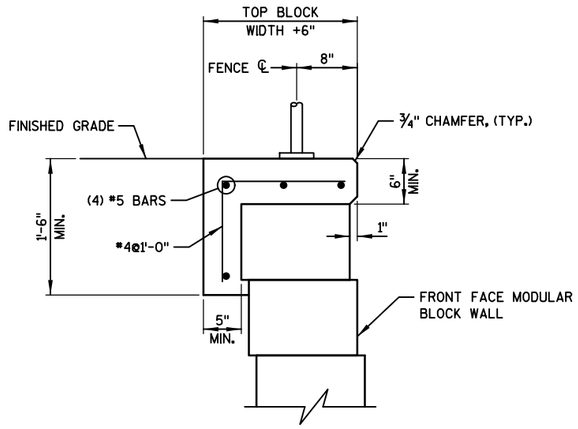


TYPICAL CROSS SECTION

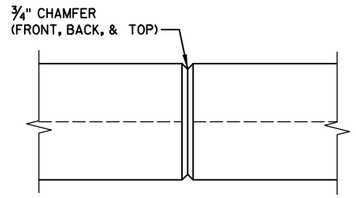
LEGEND

◇ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. PROVIDE RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN. PIPE UNDERDRAIN IS INCLUDED IN BID ITEM "WALL MODULAR BLOCK GRAVITY LANDSCAPE."

◪ SOIL BORING B-22 INDICATED PROBABLE FILL IN THE TOP 3 FEET NEAR THE RETAINING WALL. IF UNSUITABLE SUBGRADE SOILS ARE ENCOUNTERED, UNDERCUT AND REPLACE WITH GRANULAR BACKFILL IN ACCORDANCE WITH THE DETAIL FOR R-13-368.

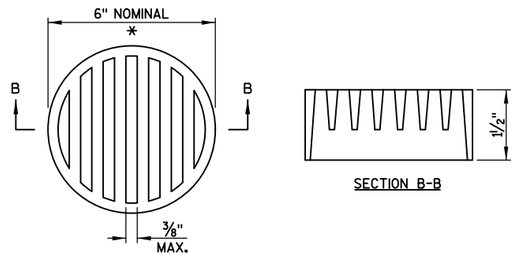


CAST-IN-PLACE CONCRETE COPING



COPING CONTRACTION JOINT

DO NOT RUN BAR STEEL THRU JOINT. MAX. SPACING OF JOINT = 10'.



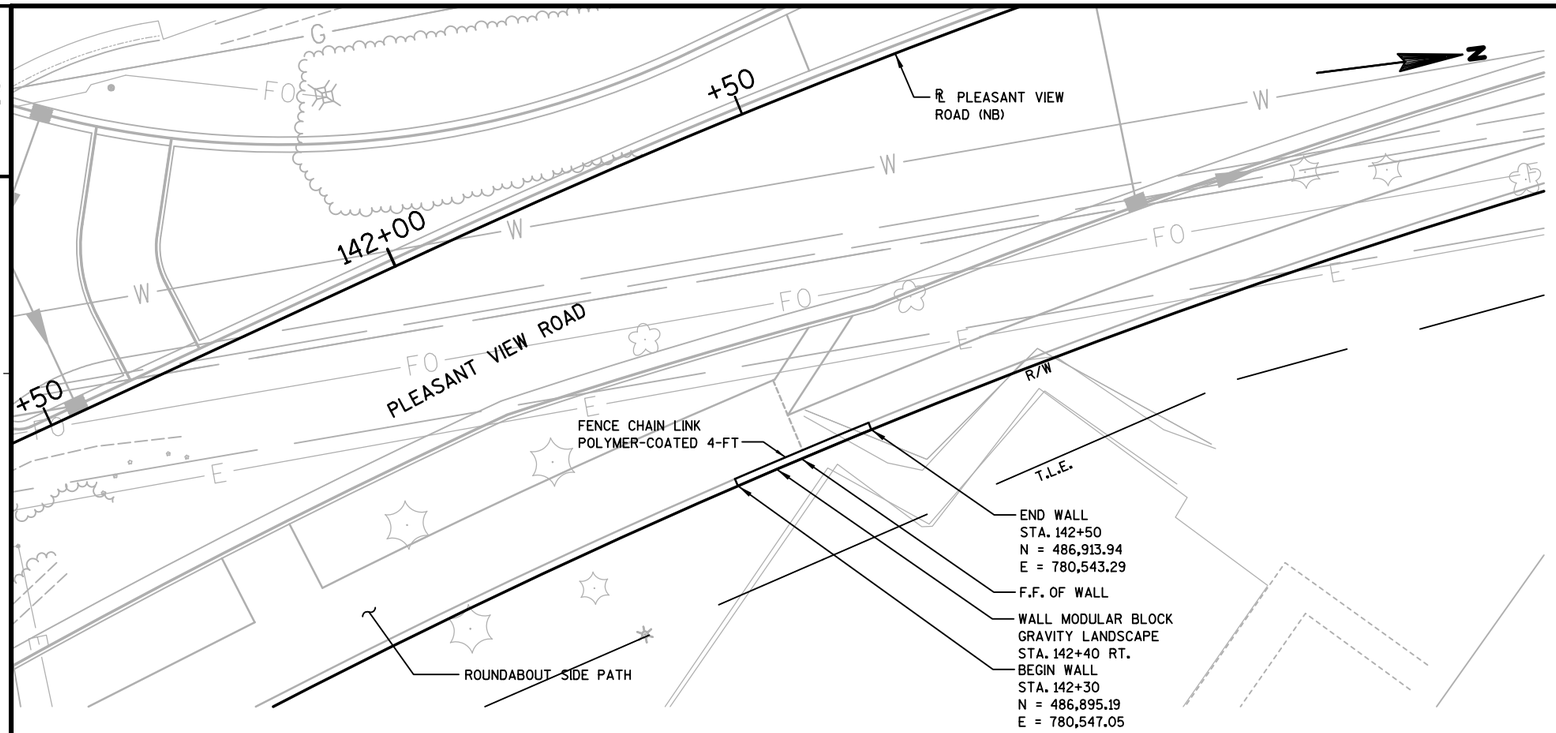
NOTES:

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

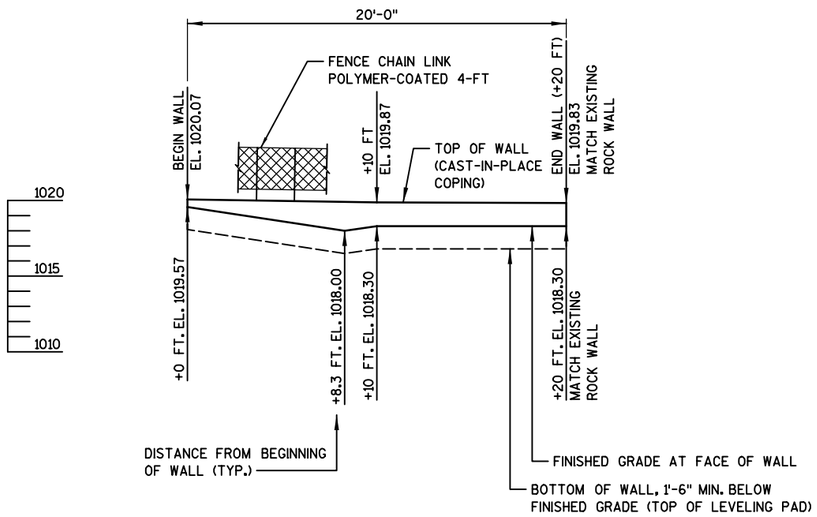
THE RODENT SHIELD, PIPE COUPLING AND ATTACHMENT SCREWS SHALL BE INCLUDED WITH BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH."

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

RODENT SHIELD DETAIL



PLAN
(MODULAR BLOCK GRAVITY LANDSCAPE WALL)



ELEVATION
(LOOKING AT F.F. OF WALL)

GENERAL NOTES
DRAWINGS SHALL NOT BE SCALED.

THE PLAN QUANTITY FOR THE BID ITEM "WALL MODULAR BLOCK GRAVITY LANDSCAPE STA. 142+40" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" FT BELOW FINISHED GRADE. SEE "MISCELLANEOUS QUANTITIES" FOR WALL MODULAR BLOCK GRAVITY LANDSCAPE QUANTITY.

EXCAVATION FOR WALL IS INCLUDED WITH BID ITEM "WALL MODULAR BLOCK GRAVITY LANDSCAPE STA. 142+40".

ALL DIMENSIONS ARE ALONG THE FRONT FACE OF THE WALL, UNLESS OTHERWISE SHOWN.

DESIGN DATA
THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY LANDSCAPE".

A GEOTECHNICAL INVESTIGATION HAS NOT BEEN COMPLETED FOR THIS WALL. SOIL PARAMETERS ARE PROVIDED ON NEXT SHEET.

PLANS, ELEVATIONS AND DETAILS SHOWN ON THIS DRAWING IS INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET AND THE ROADWAY CROSS SECTIONS.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED IN FRONT OF WALL AS SHOWN.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 100 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

LEGEND
F.F. = FRONT FACE

R/W = RIGHT OF WAY

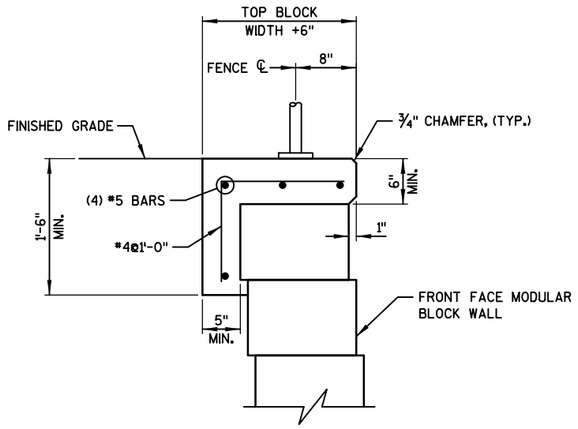
NOTE
SEE WALL DETAILS ON FOLLOWING SHEET.

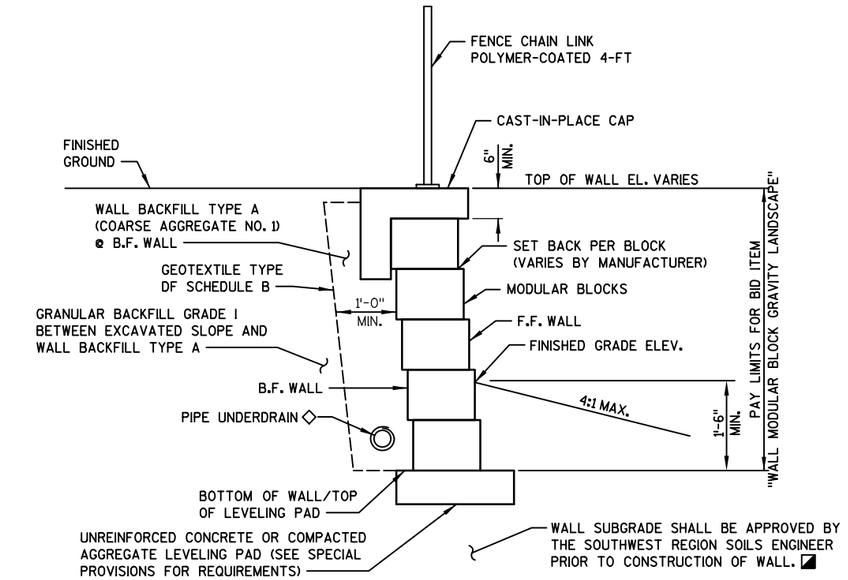
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION DETAILS: RETAINING WALL AT STA. 142+40 RT	SHEET 45	E

SOIL PARAMETERS

STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT	FRICTION ANGLE (DEGREES)	COHESION (PSF)
GRANULAR BACKFILL (REINFORCING ZONE OR BACKFILL)	120	30	0
GRANULAR RETAINED SOIL *	120	30	0

* DESIGN WALL FOR THESE VALUES.



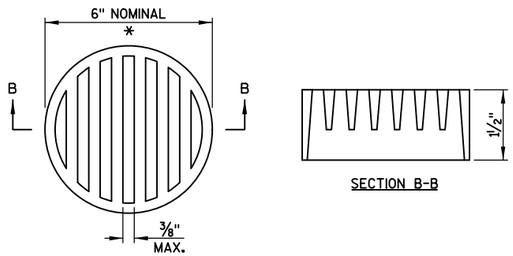


TYPICAL CROSS SECTION

LEGEND

◇ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. PROVIDE RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN. PIPE UNDERDRAIN IS INCLUDED IN BID ITEM "WALL MODULAR BLOCK GRAVITY LANDSCAPE."

◪ SOIL BORING B-22 INDICATED PROBABLE FILL IN THE TOP 3 FEET NEAR THE RETAINING WALL. IF UNSUITABLE SUBGRADE SOILS ARE ENCOUNTERED, UNDERCUT AND REPLACE WITH GRANULAR BACKFILL IN ACCORDANCE WITH THE DETAIL FOR R-13-368.



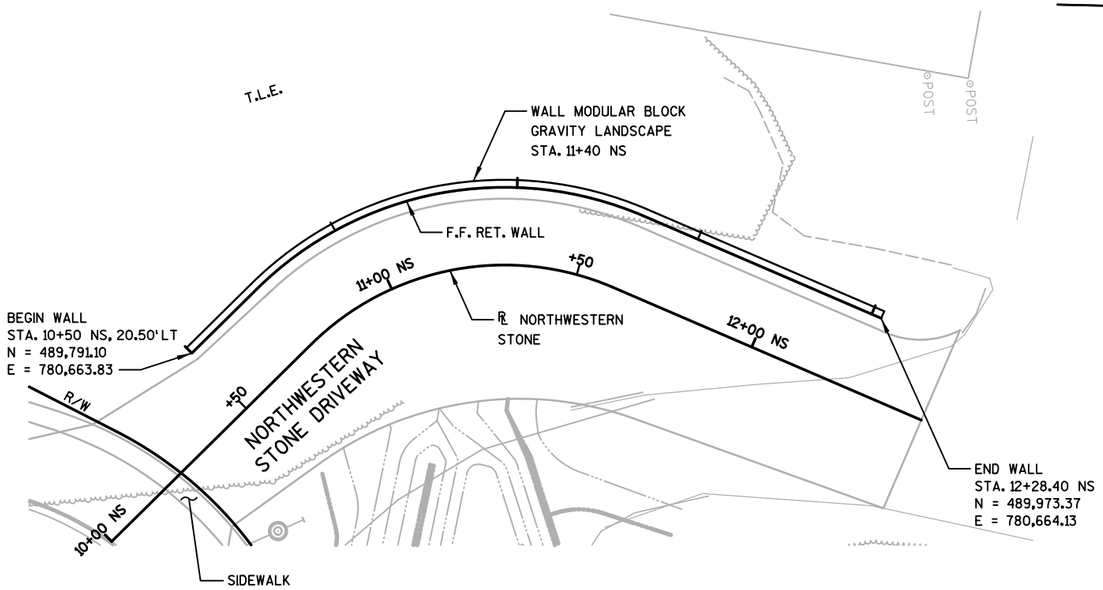
NOTES:

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND ATTACHMENT SCREWS SHALL BE INCLUDED WITH BID ITEM "WALL MODULAR BLOCK GRAVITY LANDSCAPE."

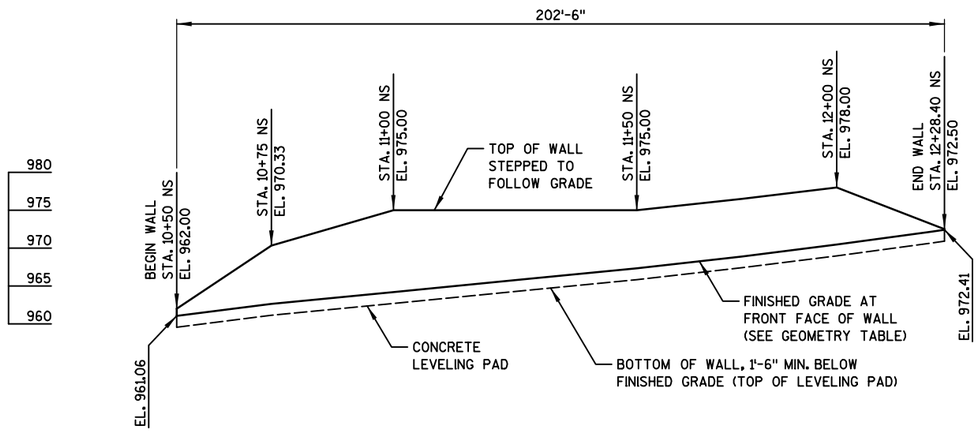
THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

RODENT SHIELD DETAIL



PLAN

(MODULAR BLOCK GRAVITY LANDSCAPE WALL)



ELEVATION

(LOOKING AT F.F. OF WALL)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

THE PLAN QUANTITY FOR THE BID ITEM "WALL MODULAR BLOCK GRAVITY LANDSCAPE STA. 11+40 NS" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" FT BELOW FINISHED GRADE. SEE "MISCELLANEOUS QUANTITIES" FOR WALL MODULAR BLOCK GRAVITY LANDSCAPE QUANTITY.

EXCAVATION FOR WALL IS INCLUDED WITH BID ITEM "WALL MODULAR BLOCK GRAVITY LANDSCAPE STA. 11+40 NS".

ALL DIMENSIONS ARE ALONG THE FRONT FACE OF THE WALL, UNLESS OTHERWISE SHOWN.

WET CAST BLOCKS REQUIRED FOR THIS WALL.

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY LANDSCAPE".

A GEOTECHNICAL INVESTIGATION HAS BEEN COMPLETED FOR THIS WALL. SOIL PARAMETERS ARE PROVIDED ON NEXT SHEET.

PLANS, ELEVATIONS AND DETAILS SHOWN ON THIS DRAWING IS INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET AND THE ROADWAY CROSS SECTIONS.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED IN FRONT OF WALL AS SHOWN.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 100 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

MATERIAL PROPERTIES

WALL MODULAR BLOCKS _____ f'c = 4,000 PSI (WET CAST)

LEGEND

F.F. = FRONT FACE

R/W = RIGHT OF WAY

T.L.E. = TEMPORARY LIMITED EASEMENT

NOTE

SEE WALL DETAILS ON FOLLOWING SHEET.

GEOMETRY TABLE

STATION	OFFSET TO F.F. WALL	TOP OF WALL ELEV.	FINISHED GRADE ELEV.
10+50.00 NS	20.50	962.00	961.06
10+75.00 NS	20.50	970.33	962.63
11+00.00 NS	20.50	975.00	964.20
11+25.00 NS	20.50	975.00	965.77
11+50.00 NS	20.50	975.00	967.33
11+75.00 NS	20.50	976.50	968.90
12+00.00 NS	20.50	978.00	970.47
12+25.00 NS	20.50	973.16	972.16
12+28.40 NS	20.50	972.50	972.41

SOIL PARAMETERS

STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT	FRICTION ANGLE (DEGREES)	COHESION (PSF)
GRANULAR BACKFILL (REINFORCING ZONE OR BACKFILL)	120	30	0
STIFF LEAN CLAY RETAINED SOIL *	115	28	100
BOR B-1			
STIFF TO VERY STIFF LEAN CLAY ELEV. 978.8-973.8	115	28	100
DENSE SAND, (POSSIBLE WEATHERED BEDROCK) ELEV. 973.8-970.8	130	36	0
VERY DENSE SAND (WEATHERED BEDROCK) ELEV. 970.8-958.8	130	40	0

* DESIGN WALL FOR THESE VALUES.

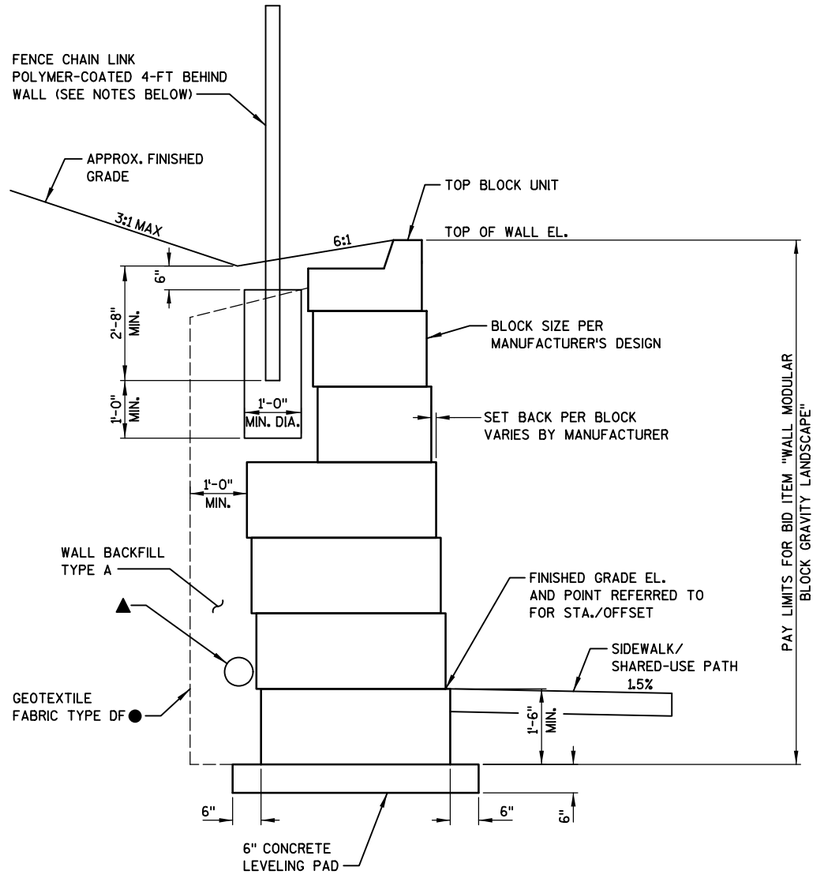
WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	EVALUATED LOCATIONS
WALL HEIGHT (FEET)[1]	12.1
EXPOSED WALL HEIGHT (FEET)	10.6
WALL STATION	11+00 NS
BORING USED	B-23
CAPACITY TO DEMAND RATIO (CDR)[2, 3, 4]	
SLIDING (CDR>1.0)	1.14
ECCENTRICITY (CDR>1.0)	1.03
OVERALL STABILITY (CDR>1.0)	1.10
BEARING RESISTANCE (CDR>1.0)	1.05
FACTORED BEARING RESISTANCE (PSF)	4,745

NOTES:
1. THE WALL HEIGHT INCLUDES AN EMBEDMENT OF 1.5 FT.
2. THE WALL STABILITY EVALUATION INCLUDED A SURCHARGE LOAD OF 100 PSF.
3. CDR VALUES ARE PRESENTED IN CHAPTER 14 OF THE WISDOT BRIDGE MANUAL.
* FINAL DESIGN FOR SLIDING, ECCENTRICITY, AND BEARING RESISTANCE IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.
4. STABILITY PARAMETERS BASED ON GRAVITY BLOCKS HAVING A MINIMUM DEPTH DIMENSION OF 60 IN. FOR THE LOWER 7 FT OF WALL.

NOTES:
1. THE PROJECT SOILS ENGINEER SHOULD REVIEW THE SUBSURFACE CONDITIONS PRIOR TO CONSTRUCTION OF THE WALLS TO DETERMINE IF THE SOILS HAVE THE MINIMUM BEARING STRENGTH SHOWN IN THE TABLE ABOVE.

2. FINAL DESIGN FOR SLIDING, ECCENTRICITY, AND BEARING RESISTANCE AT OTHER WALL STATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.



WALL MODULAR BLOCK GRAVITY TYPICAL SECTION

PRECAST MODULAR BLOCK TEXTURE SHALL BE SELECTED BY CITY FROM MANUFACTURER'S STANDARD OPTIONS.

REFER TO FENCE CHAIN LINK POLYMER-COATED 4-FT CONSTRUCTION DETAIL FOR FENCE DETAILS. THE FENCE POSTS FOR THE FENCE BEHIND THIS WALL SHALL BE EMBEDDED IN CONCRETE FOOTINGS AS SHOWN ON THE TYPICAL SECTION ABOVE RATHER THAN A FLANGED BASE PLATE AS SHOWN IN THE CONSTRUCTION DETAIL. CONCRETE FOOTINGS ARE INCLUDED IN THE BID ITEM "FENCE CHAIN LINK POLYMER-COATED 4-FT, LANDSCAPE WALLS."

▲ UNDERDRAIN. SLOPE 0.5% MIN. TO INLET NEAR EAST END OF WALL. ATTACH END CAP AT WEST END OF UNDERDRAIN.

● GEOTEXTILE FABRIC SHALL COMPLETELY SEPARATE WALL BACKFILL TYPE A FROM BACKFILL ON ALL SIDES.

	STATION	OFFSET
EXPB-1	129+11	37' RT
EXPB-2	128+59	51' RT
EXCB-1	129+10	33' RT
EXCB-2	128+56	45' RT
EXCB-3	128+15	46' LT
EXCB-4	127+86	55' LT
EXCB-5	128+77	97' LT
EXCB-6	129+43	12' LT

LEGEND

- PULL BOX
- LUMINAIRE
- SIGNAL HEAD
- SIGNAL CABINET
- (XX) TRAFFIC SIGNAL HEAD WITH MAST ARM
- (EXPB-X) REMOVING PULL BOX REQ'D
- (EXCB-X) REMOVING CONCRETE BASES REQ'D

*BASE REMOVAL WILL BE PAID AS "REMOVING CONCRETE BASES". PULL BOX REMOVAL WILL BE PAID AS "REMOVING PULL BOXES". ABOVE GROUND SIGNAL EQUIPMENT REMOVALS AT LOCATIONS OF BASE REMOVAL AND REMOVAL OF WOOD POLES WILL BE PAID AS "REMOVE TRAFFIC SIGNALS, PLEASANT VIEW ROAD & BLACKHAWK ROAD".

N

BLACKHAWK ROAD

PLEASANT VIEW ROAD

PROPOSED R/W

TLE

R/W

PLE

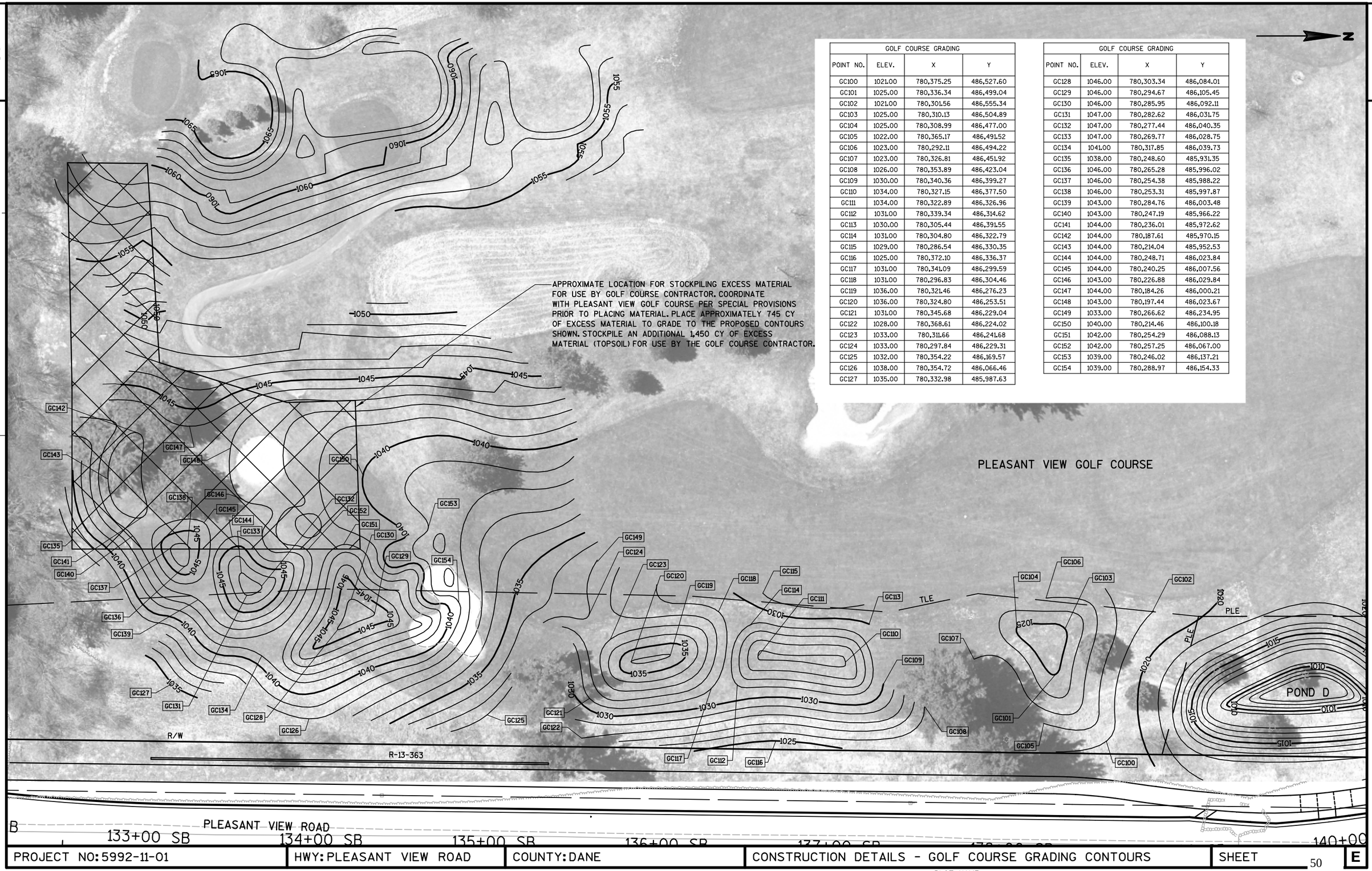
ABANDON

EXCB-1 EXCB-2 EXCB-3 EXCB-4 EXCB-5 EXCB-6

EXPB-1 EXPB-2

20'

OH



GOLF COURSE GRADING			
POINT NO.	ELEV.	X	Y
GC100	1021.00	780,375.25	486,527.60
GC101	1025.00	780,336.34	486,499.04
GC102	1021.00	780,301.56	486,555.34
GC103	1025.00	780,310.13	486,504.89
GC104	1025.00	780,308.99	486,477.00
GC105	1022.00	780,365.17	486,491.52
GC106	1023.00	780,292.11	486,494.22
GC107	1023.00	780,326.81	486,451.92
GC108	1026.00	780,353.89	486,423.04
GC109	1030.00	780,340.36	486,399.27
GC110	1034.00	780,327.15	486,377.50
GC111	1034.00	780,322.89	486,326.96
GC112	1031.00	780,339.34	486,314.62
GC113	1030.00	780,305.44	486,391.55
GC114	1031.00	780,304.80	486,322.79
GC115	1029.00	780,286.54	486,330.35
GC116	1025.00	780,372.10	486,336.37
GC117	1031.00	780,341.09	486,299.59
GC118	1031.00	780,296.83	486,304.46
GC119	1036.00	780,321.46	486,276.23
GC120	1036.00	780,324.80	486,253.51
GC121	1031.00	780,345.68	486,229.04
GC122	1028.00	780,368.61	486,224.02
GC123	1033.00	780,311.66	486,241.68
GC124	1033.00	780,297.84	486,229.31
GC125	1032.00	780,354.22	486,169.57
GC126	1038.00	780,354.72	486,066.46
GC127	1035.00	780,332.98	485,987.63

GOLF COURSE GRADING			
POINT NO.	ELEV.	X	Y
GC128	1046.00	780,303.34	486,084.01
GC129	1046.00	780,294.67	486,105.45
GC130	1046.00	780,285.95	486,092.11
GC131	1047.00	780,282.62	486,031.75
GC132	1047.00	780,277.44	486,040.35
GC133	1047.00	780,269.77	486,028.75
GC134	1041.00	780,317.85	486,039.73
GC135	1038.00	780,248.60	485,931.35
GC136	1046.00	780,265.28	485,996.02
GC137	1046.00	780,254.38	485,988.22
GC138	1046.00	780,253.31	485,997.87
GC139	1043.00	780,284.76	486,003.48
GC140	1043.00	780,247.19	485,966.22
GC141	1044.00	780,236.01	485,972.62
GC142	1044.00	780,187.61	485,970.15
GC143	1044.00	780,214.04	485,952.53
GC144	1044.00	780,248.71	486,023.84
GC145	1044.00	780,240.25	486,007.56
GC146	1043.00	780,226.88	486,029.84
GC147	1044.00	780,184.26	486,000.21
GC148	1043.00	780,197.44	486,023.67
GC149	1033.00	780,266.62	486,234.95
GC150	1040.00	780,214.46	486,100.18
GC151	1042.00	780,254.29	486,088.13
GC152	1042.00	780,257.25	486,067.00
GC153	1039.00	780,246.02	486,137.21
GC154	1039.00	780,288.97	486,154.33

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION DETAILS - GOLF COURSE GRADING CONTOURS	SHEET 50	E

GOLF COURSE GRADING			
POINT NO.	ELEV.	X	Y
GC200	1029.00	780,362.11	486,831.83
GC201	1029.00	780,345.68	486,858.41
GC202	1021.00	780,339.42	486,769.52
GC203	1029.00	780,360.62	486,854.43
GC204	1020.00	780,373.23	486,760.60
GC205	1021.00	780,405.74	486,820.63
GC206	1023.00	780,419.13	486,885.71
GC207	1020.00	780,320.24	486,787.25
GC208	1024.00	780,326.77	486,897.55
GC209	1020.00	780,278.07	486,849.91
GC210	1025.00	780,397.40	486,869.18
GC211	1031.00	780,355.81	486,945.29
GC212	1031.00	780,341.64	486,955.56
GC213	1031.00	780,350.57	486,969.43
GC214	1019.00	780,404.57	487,033.85
GC215	1021.00	780,304.41	487,061.82
GC216	1024.00	780,295.88	486,962.02

PLEASANT VIEW GOLF COURSE

CART PATH RECONSTRUCTED BY GOLF COURSE CONTRACTOR

POND D

POND E

PLEASANT VIEW ROAD

GREENWAY BLVD

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION DETAILS - GOLF COURSE GRADING CONTOURS	SHEET 51	E

NORTHWESTERN STONE LLC
4343 PLEASANT VIEW RD

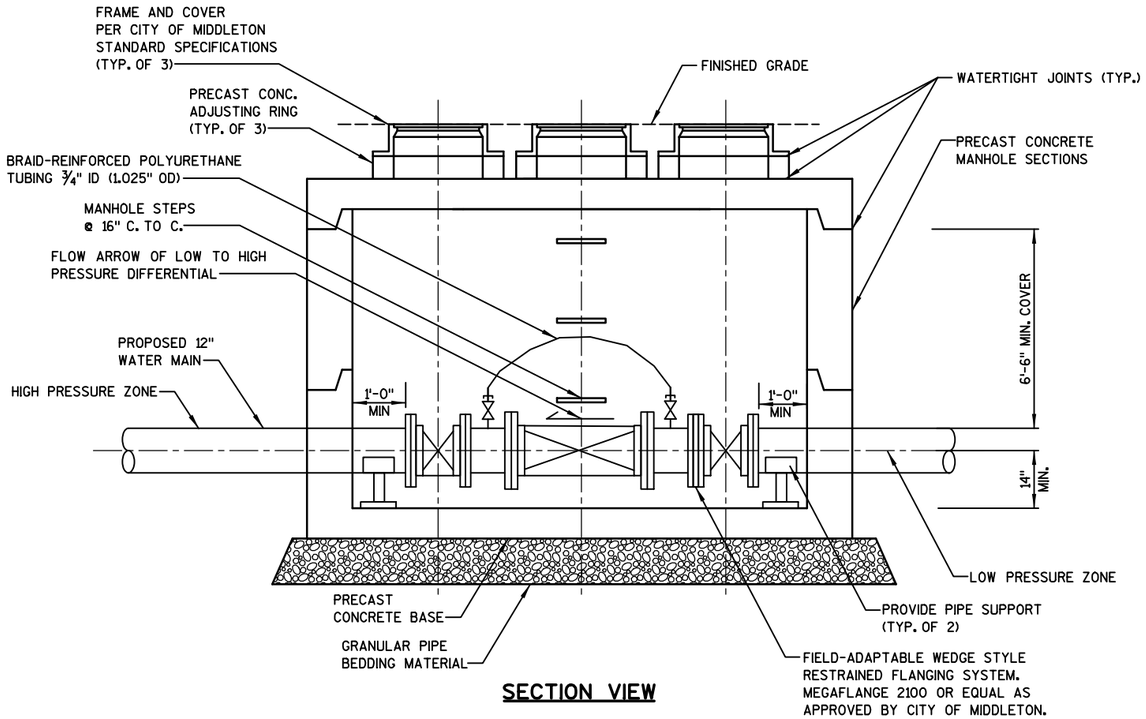
NS SETTLEMENT POND LAYOUT POINTS			
POINT NO.	ELEV.	X	Y
NS1	962.00	780,697.73	489,867.68
NS2	962.00	780,699.84	489,869.73
NS3	962.00	780,734.83	489,878.95
NS4	962.00	780,737.14	489,876.14
NS5	962.00	780,727.42	489,856.29
NS6	962.00	780,725.11	489,855.24
NS7	962.00	780,699.28	489,862.01
NS8	962.00	780,697.31	489,866.24

COORDINATE WITH PARCEL 22 OWNER REGARDING FINAL CONTOURS FOR SETTLEMENT POND TO CORRELATE WITH OWNER'S DUST CONTROL SYSTEM.

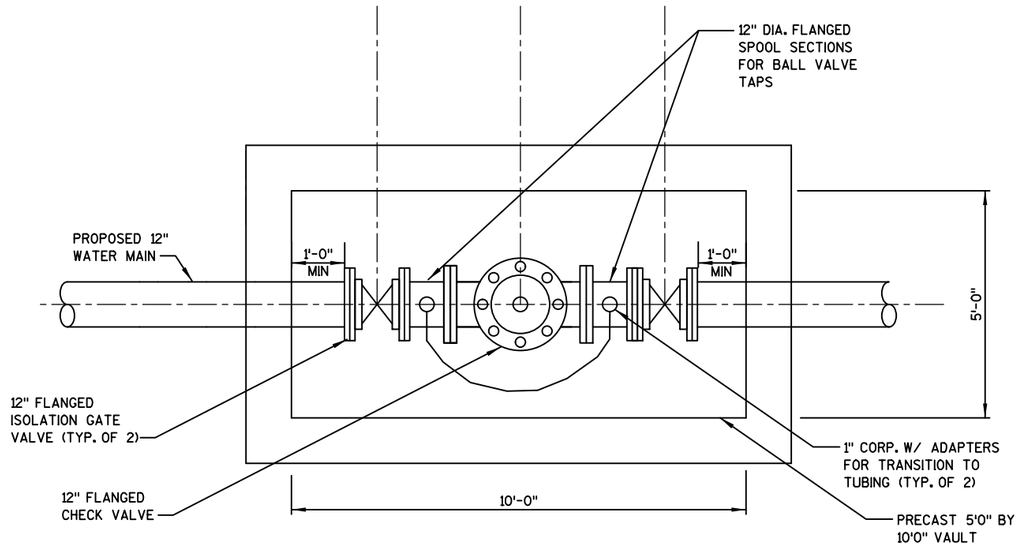
TLE
11+00 NS
+50
12+00 NS
+50
10+00 NS
NS8
NS1
NS2
NS7
NS3
NS6
965
960
NS5
NS4
P.L.
TLE
R/W
171+00
+50
172+00
+50
173+00
+50
174+00
+50
175+00
+50
176+00
+50
177+00
QUARRY RD
PLEASANT VIEW ROAD
POST

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	SETTLEMENT POND - NORTHWEST STONE	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\021010_cd_Northwest Stone Settlement Pond.dgn PLOT DATE : 7/19/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

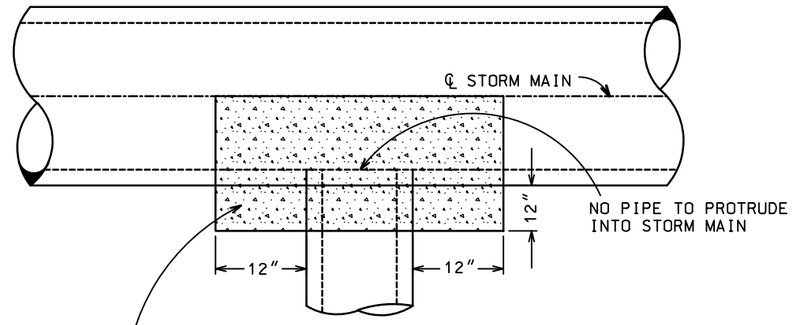


SECTION VIEW

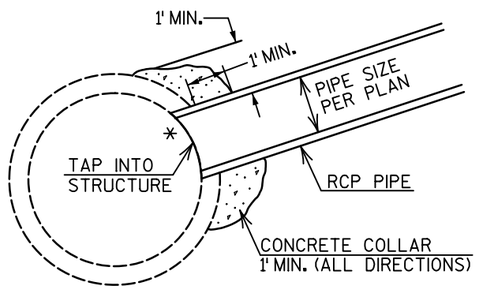


PLAN VIEW

12-INCH CHECK VALVE, 2 12-INCH ISOLATION VALVES, AND VAULT



SIDE VIEW



PLAN VIEW

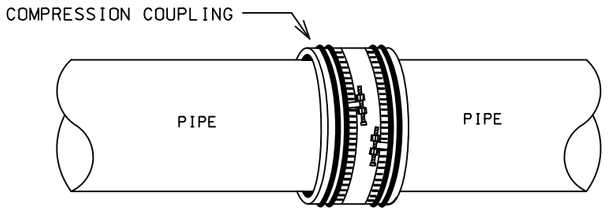
NOTE: CONCRETE COLLAR INCIDENTAL TO TAP SPECIAL FOR STORM SEWER PIPE

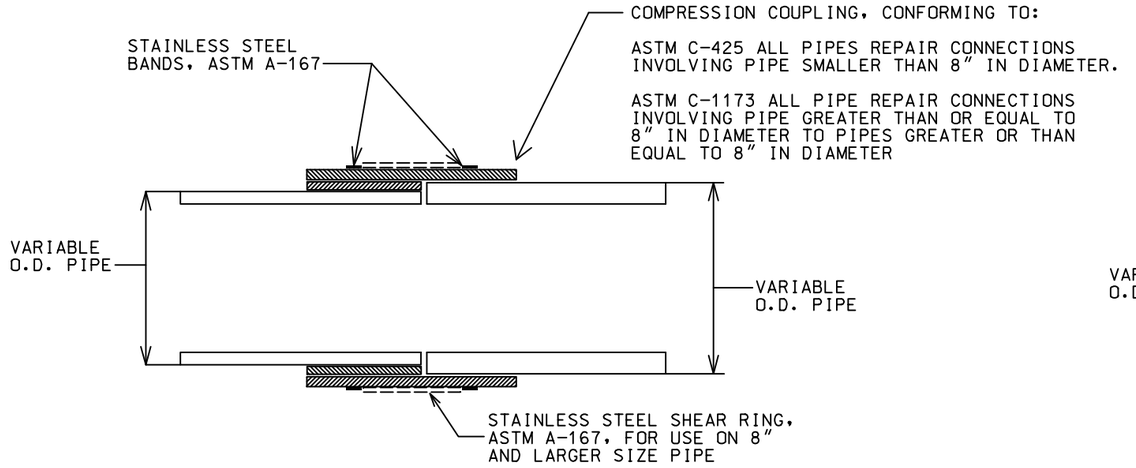
* NO PIPE TO PROTRUDE INTO STORM MAIN

SEWER TAP DETAIL SPECIAL

COMPRESSION COUPLING

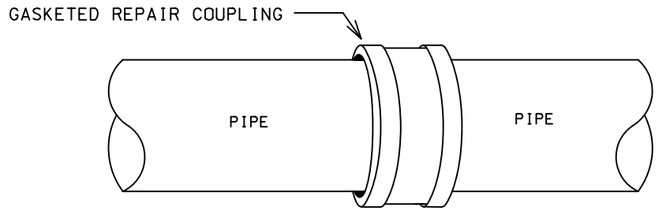
PIPES WITH DIFFERENT MATERIAL TYPES
PIPES WITH DIFFERENT OUTSIDE DIAMETERS

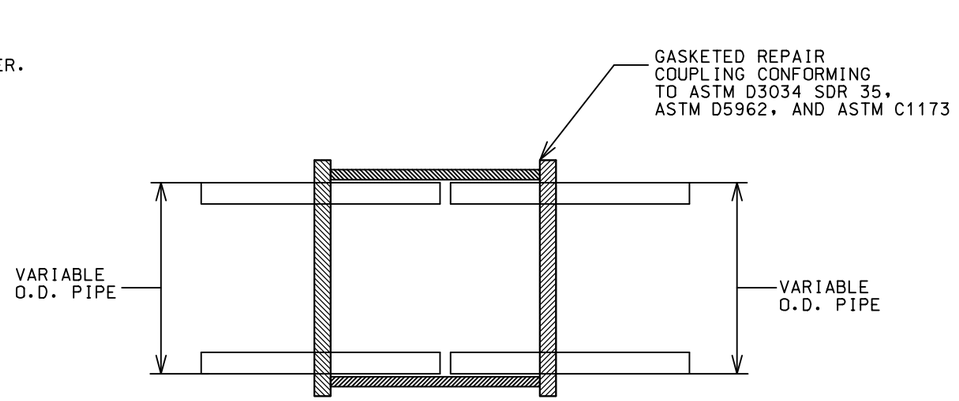




GASKETED REPAIR COUPLING

PVC TO PVC CONNECTION



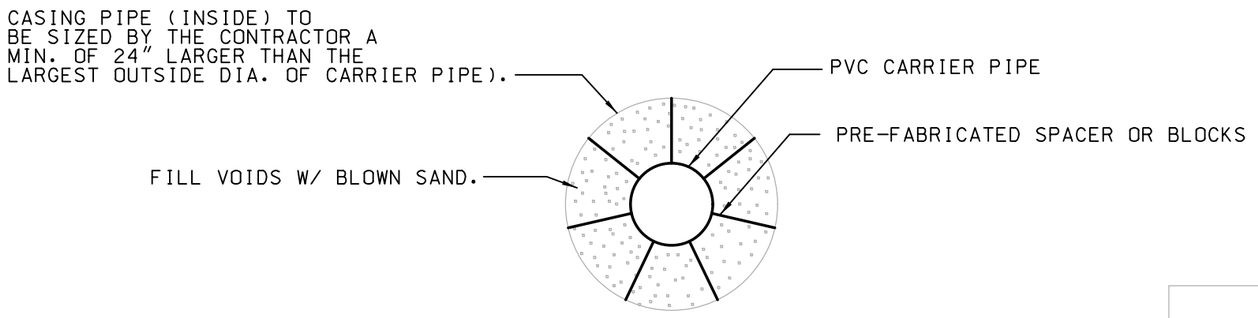


ALL REPAIRS INVOLVING PIPE CONNECTIONS 8" IN DIAMETER TO 8" IN DIAMETER OR LARGER SHALL UTILIZE REPAIR COUPLING. (ASTM C1173).

10-INCH DIAMETER SANITARY SEWER INSIDE CASING

NTS

PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET 54	E



NOTE:

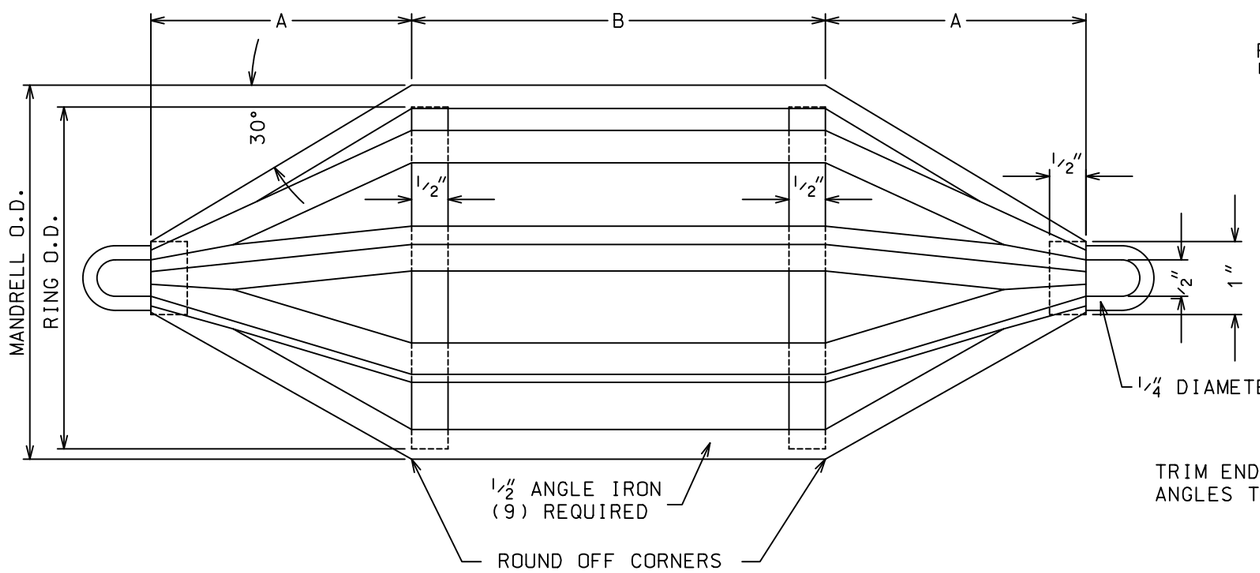
WALL THICKNESS FOR STEEL CASING PIPE WITH 35,000 P.S.I. MIN. YIELD STRENGTH. FOR MATERIAL OF LOWER YIELD STRENGTH, INCREASE THICKNESS AN ADDITIONAL 1/16".

STEEL CASING PIPE FOR E80 LOADING	
MIN. THK. (IN.) FOR PIPE NOT CATHODICALLY PROTECTED	CASING PIPE DIAMETER (IN.)
0.2500	UNDER 12
0.3125	12 – 18
0.3750	18 – 22
0.4375	22 – 25
0.500	25 – 34
0.5625	34 – 42
0.6250	42 – 48

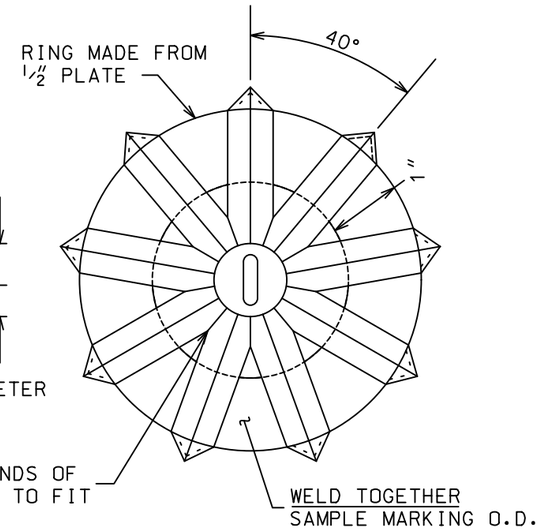
10-INCH DIAMETER SANITARY SEWER INSIDE CASING

NTS

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\Utility Detail Sheets\Madison Sewer\PP_10-Inch Diameter Sanitary Sewer Inside Casing.dgn
PLOT DATE : 11/1/2022
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 42



SIDE VIEW



END VIEW

NOMINAL PIPE SIZE ID, in	DIMENSIONS		MANDRELL O.D., in	RING O.D., in
	A, in	B, in		
6	4.0	4	5.61	4.90
8	5.3	6	7.36	6.65
10	6.7	6	9.21	8.50
12	8.0	8	11.06	10.35
15	10.0	9	13.82	13.11

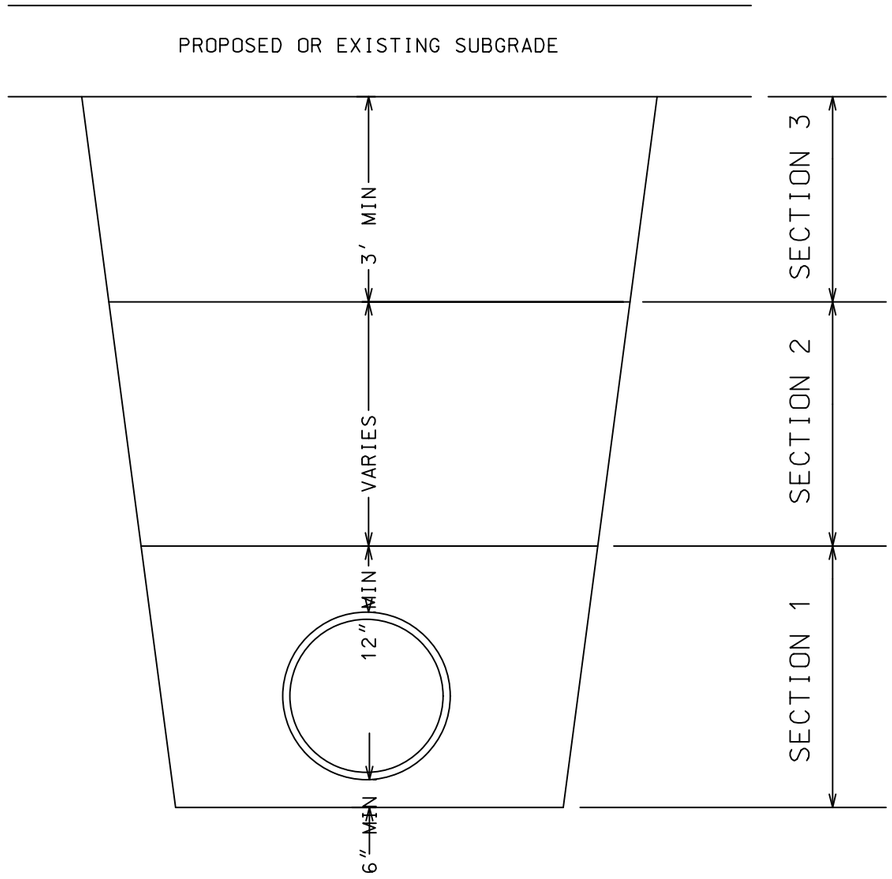
MANDREL FOR USE IN ALL P.V.C. SEWER PIPE

NOTE:

AFTER CONSTRUCTION IS COMPLETE, TRUE THE O.D. DIMENSION FOR THE FULL LENGTH OF "B" TO +/-0.010" BY TOOL AND LATHE OR GRINDING.

MANDREL DETAIL

NTS



TYPICAL TRENCH COMPACTION

ALL BACKFILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 12" BEFORE COMPACTION UNLESS AUTHORIZED BY THE ENGINEER DUE TO THE CHARACTER OF THE MATERIAL AND THE COMPACTING EQUIPMENT. EACH LIFT SHALL BE MECHANICALLY COMPACTED TO THE REQUIRED DENSITY PRIOR TO PLACING SUCCEEDING LIFTS OF BACKFILL MATERIAL.

IN COLD WEATHER, TRENCHES SHALL BE COMPACTED IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN SECTION 502.1 (e) OF THE CITY OF MADISON STANDARD SPECIFICATIONS, BACKFILLING EXCAVATIONS AND COMPACTION OF BACKFILL, OF THESE SPECIFICATIONS.

SECTION 1:

MECHANICALLY COMPACTED BEDDING AS REQUIRED BY THE SPECIFICATIONS. COMPACTION ACHIEVED WITH SMALLER PLATE COMPACTOR.
FOR ALL PLASTIC PIPE SECTION 1 SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF MADISON STANDARAD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION - LATEST EDITION S.D.D. 5.2.1A

SECTION 2:

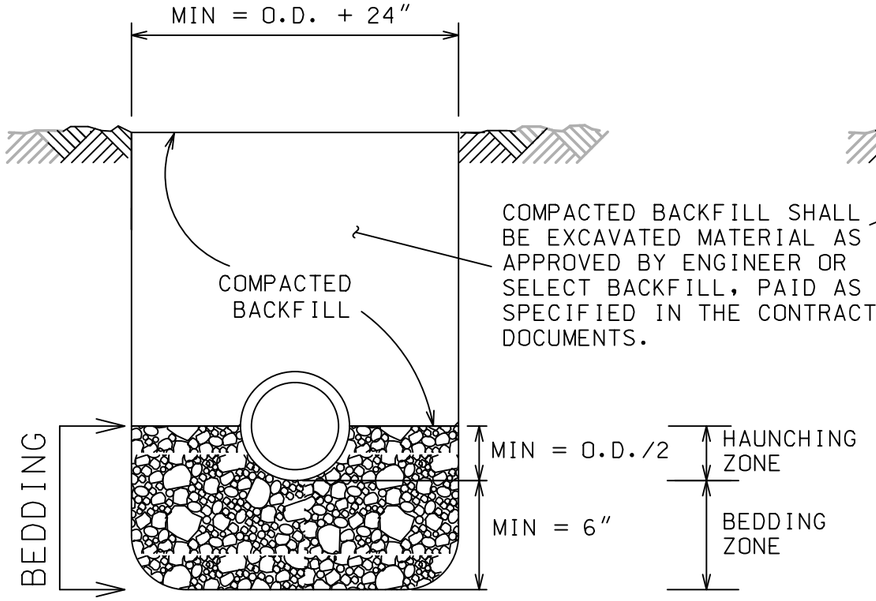
MINIMUM COMPACTION OF 90% MAXIMUM DENSITY. COMPACTION OF BACKFILL WITH BOMAG OR HOE-PAC SHALL NOT BEGIN UNTIL THE DEPTH OF BACKFILL MATERIAL IS TWO FEET ABOVE THE TOP OF PIPE.

SECTION 3:

MINIMUM COMPACTION OF 95% MAXIMUM DENSITY.

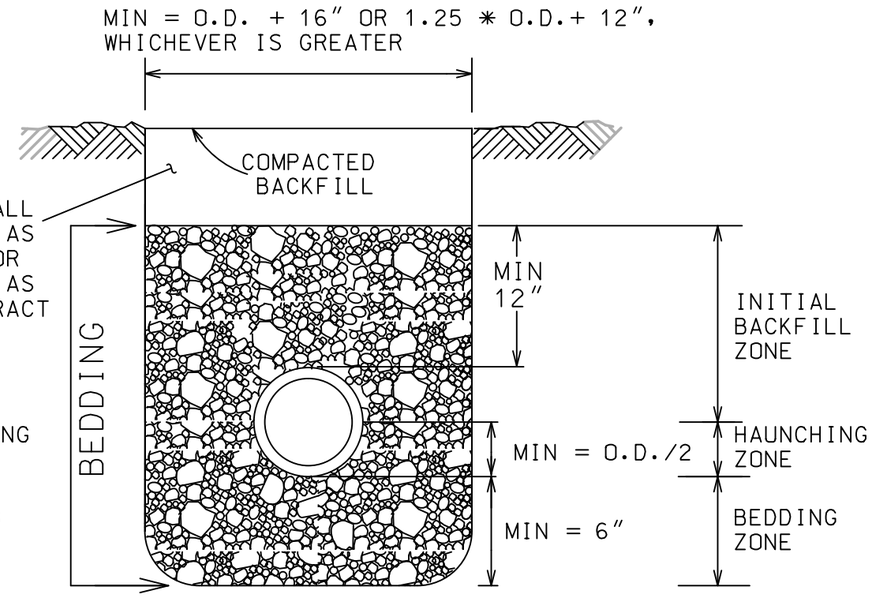
SELECT FILL FOR SANITARY SEWER

NTS



WASHED GRAVEL OR CRUSHED STONE AS SPECIFIED IN SECTION 502.1 (d) OF THE CITY OF MADISON SPECIFICATIONS BEDDING OF SEWER PIPES

BEDDING FOR REINFORCED CONCRETE SEWER PIPES



WASHED GRAVEL, CRUSHED STONE, SAND OR LIMESTONE SCREENINGS FOR PIPE SIZES 10″ IN DIAMETER OR LESS. WASHED GRAVEL OR CRUSHED STONE FOR PIPE SIZES OVER 10″ IN DIAMETER. AS SPECIFIED IN SECTION 502.1 (d), OF THE CITY OF MADISON SPECIFICATIONS BEDDING OF SEWER PIPES

BEDDING FOR SANITARY PIPE

NOTES:

UNLESS OTHERWISE SPECIFIED, ALL SANITARY PIPES, INCLUDING LATERALS AND LEADS, SHALL BE INSTALLED WITH THE TYPE OF BEDDING SHOWN FOR THE TYPE AND SIZE OF PIPE INSTALLED.

THE COSTS OF BEDDING SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE PIPE.
FOR RCP, BEDDING INCLUDES THE HAUNCHING & BEDDING ZONES.
FOR PLASTIC PIPES, THE BEDDING INCLUDES THE HAUNCHING, BEDDING & INITIAL BACKFILL ZONES.
THE BEDDING SHALL BE INSTALLED & COMPACTED IN 6″ MAXIMUM LIFTS.

ALL TRENCHES SHALL BE HAND BACKFILLED TO A POINT 12″ ABOVE THE TOP OF THE PIPE. ALL BEDDING SHALL BE MECHANICALLY COMPACTED.

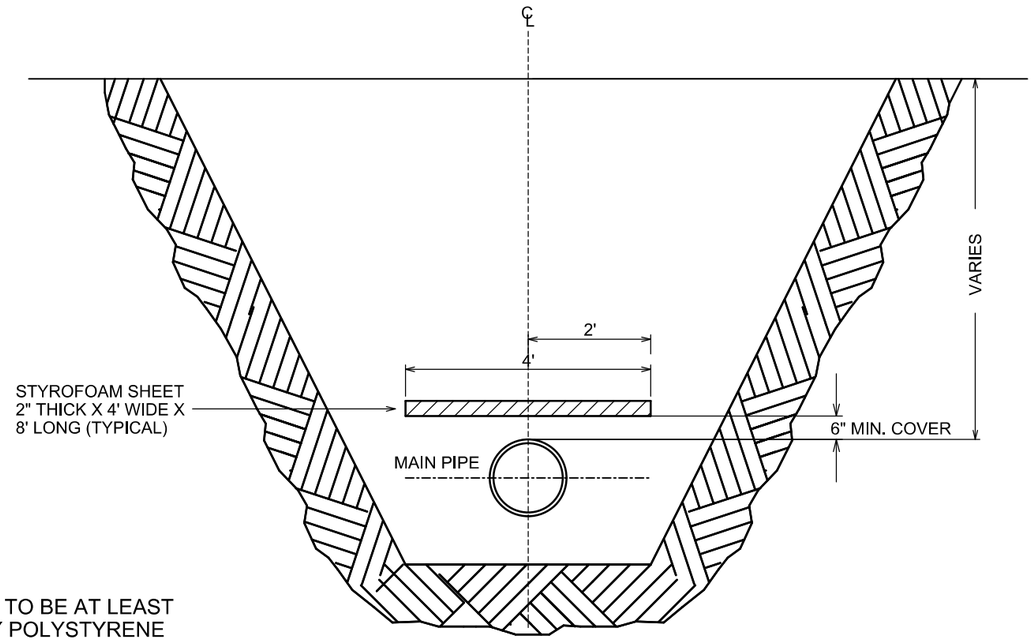
PAYMENT SHALL NOT BE MADE FOR BACKFILL WITH EXCAVATED MATERIAL, IF APPROVED.
SELECT FILL, IF REQUIRED, SHALL BE PAID PER CONTRACT AT A LINEAR FOOT UNIT OF PAYMENT

THE MAXIMUM ALLOWABLE TRENCH WIDTH SHALL BE 3 * O.D., THE MINIMUM TRENCH WIDTH AS SPECIFIED, AND SHALL APPLY FROM THE BOTTOM OF THE TRENCH TO A POINT 12″ ABOVE THE TOP OF THE PIPE.
WHERE THIS WIDTH IS EXCEEDED, THE CONTRACTOR SHALL FURNISH AND INSTALL A HIGHER TYPE OF BEDDING AT NO EXTRA COST. THE TYPE OF BEDDING SHALL BE DETERMINED BY THE ENGINEER.

O.D. EQUALS THE OUTSIDE DIAMETER OF THE PIPE.

SELECT FILL FOR SANITARY SEWER

NTS



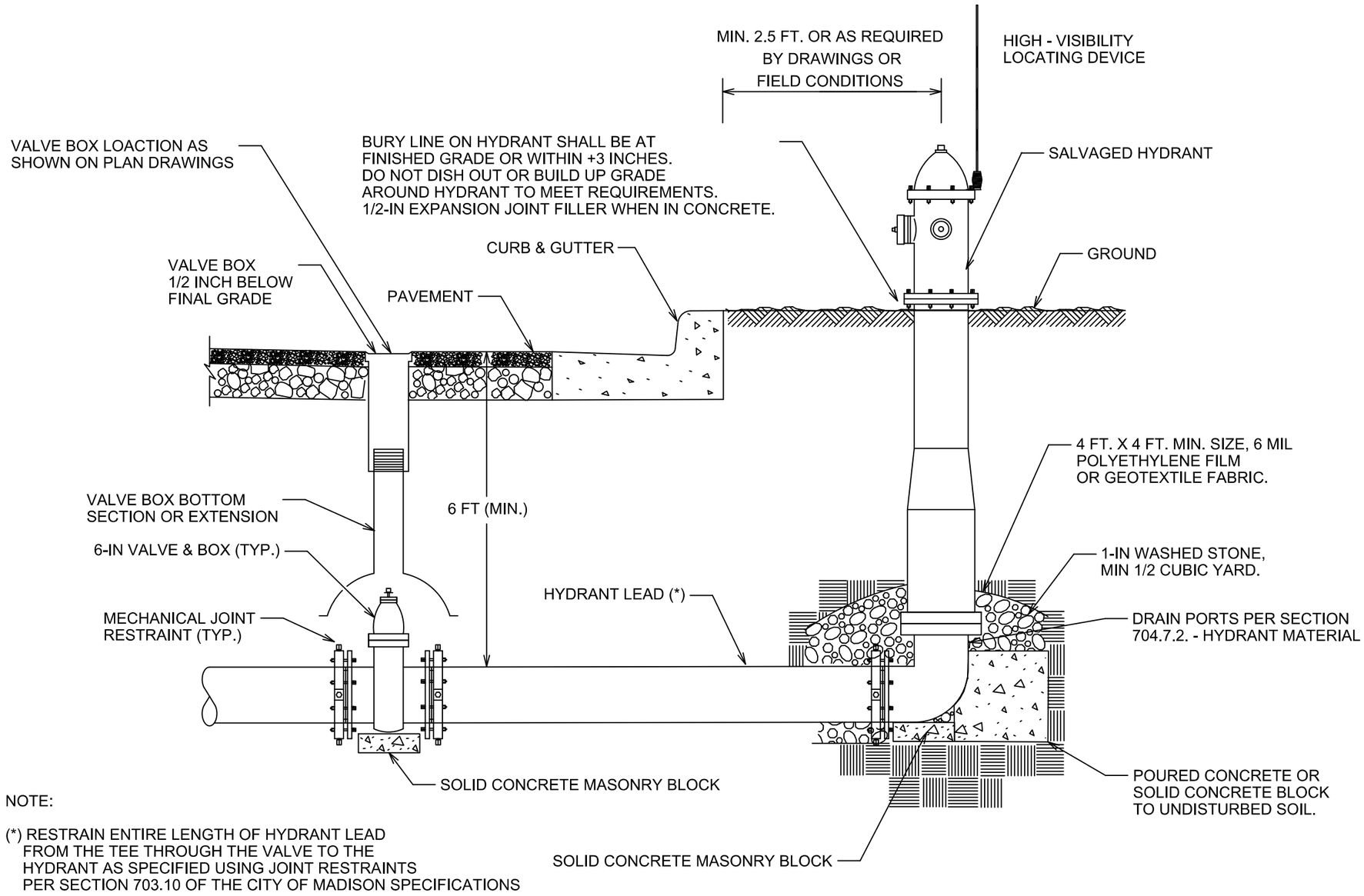
NOTE: ALL INSULATION TO BE AT LEAST 2" THICK HIGH DENSITY POLYSTYRENE BOARD WITH R-VALUE OF AT LEAST 5 PER INCH OF BOARD THICKNESS, OR AS OTHERWISE SPECIFIED BY ENGINEER.

TYPICAL STYROFOAM INSTALLATION

NTS

PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\Utility Detail Sheets\Madison Water\PP_Insulation Board Polystyrene, 2-In.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 42



NOTE:

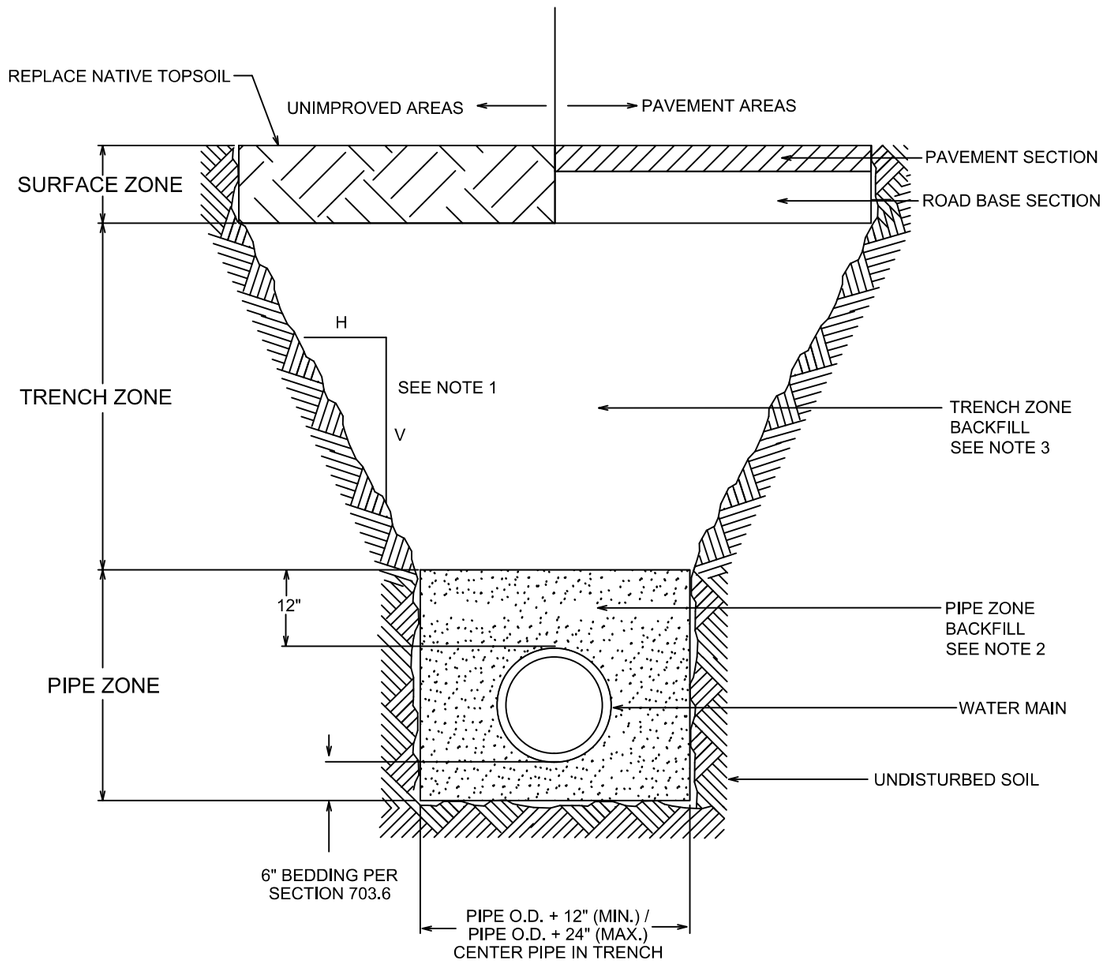
(*) RESTRAIN ENTIRE LENGTH OF HYDRANT LEAD
FROM THE TEE THROUGH THE VALVE TO THE
HYDRANT AS SPECIFIED USING JOINT RESTRAINTS
PER SECTION 703.10 OF THE CITY OF MADISON SPECIFICATIONS

SALVAGE AND RESET HYDRANT WITH AUXILIARY VALVE

NTS

PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\Utility Detail Sheets\Madison Water\PP_Salvage and Reset Hydrant with Auxiliary Valve.dgn 9/6/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 42



NOTES:

1) ALL EXCAVATION SHALL BE IN ACCORDANCE WITH THE WISCONSIN ADMINISTRATIVE CODE FOR "TRENCH EXCAVATION AND TUNNEL CONSTRUCTION" AND ANY ADDITIONAL REQUIREMENTS INCLUDING IN THE CONTRACT DOCUMENTS.

2) BACKFILL OPERATIONS SHALL COMPLY WITH CITY STANDARD SPECIFICATIONS.

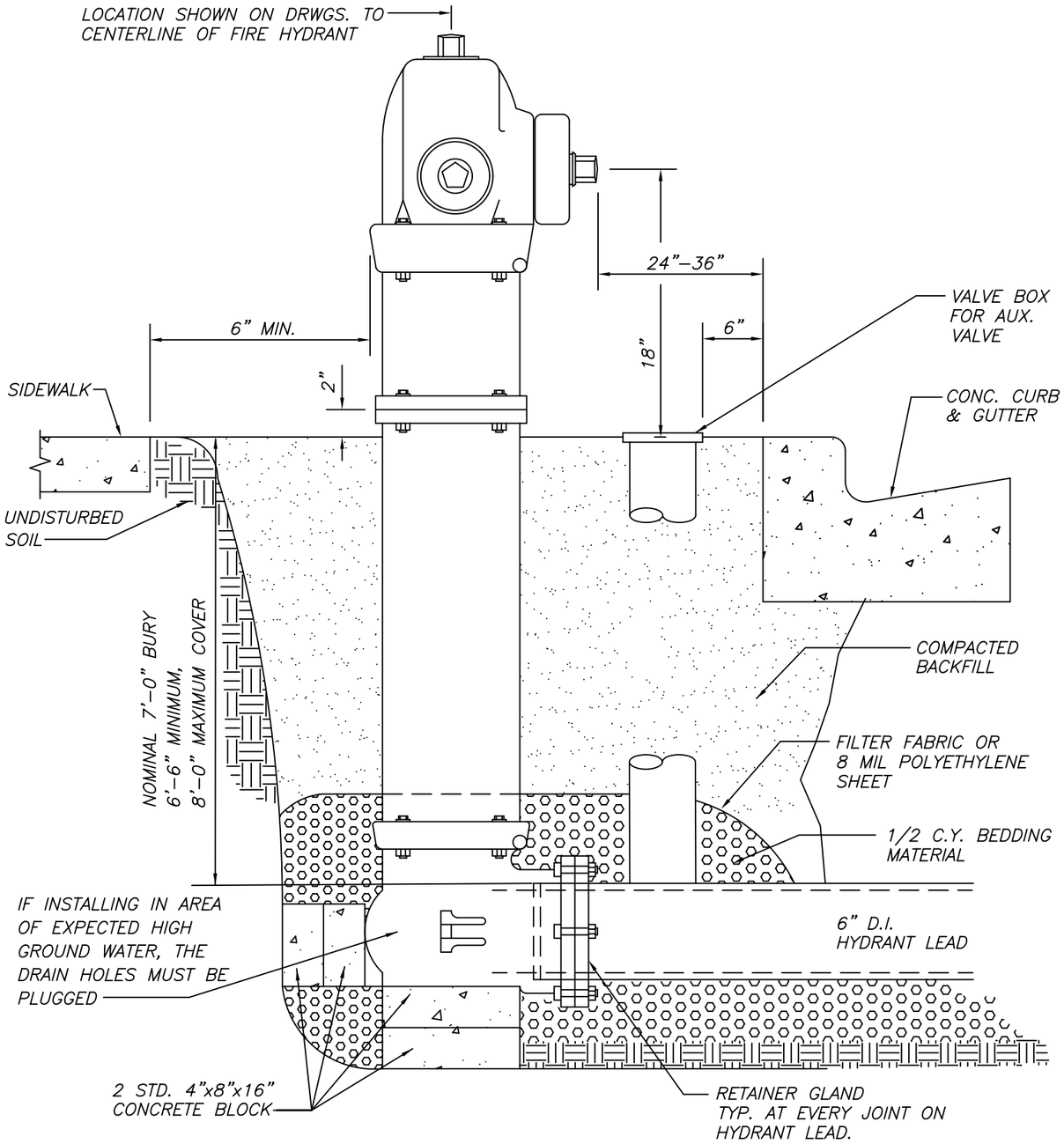
3) THE PIPE ZONE BEDDING MATERIAL SHALL CONSIST OF SELECT FILL SAND, LIMESTONE SCREENINGS, CLEAR STONE, OR WASHED GRAVEL.

4) SEE CITY STANDARD SPECIFICATIONS FOR BACKFILL/COMPACTION REQUIREMENTS OF BEDDING/COVER MATERIAL IN THE PIPE ZONE.

5) TRENCH ZONE COMPACTION REQUIREMENTS:
   -- ALL COMPACTION OPERATIONS SHALL COMPLY WITH CITY SPECIFICATIONS.
   -- DENSITY REQUIREMENTS:
      1. FROM 2-FEET OVER THE PIPE TO WITHIN 3-FEET OF THE SUBGRADE:
         A MINIMUM OF 90% OF MAXIMUM DENSITY.
      2. WITHIN 3-FEET OF THE BOTTOM OF SUBGRADE:
         A MINIMUM OF 95% OF MAXIMUM DENSITY.

SELECT FILL FOR WATER MAIN

NTS



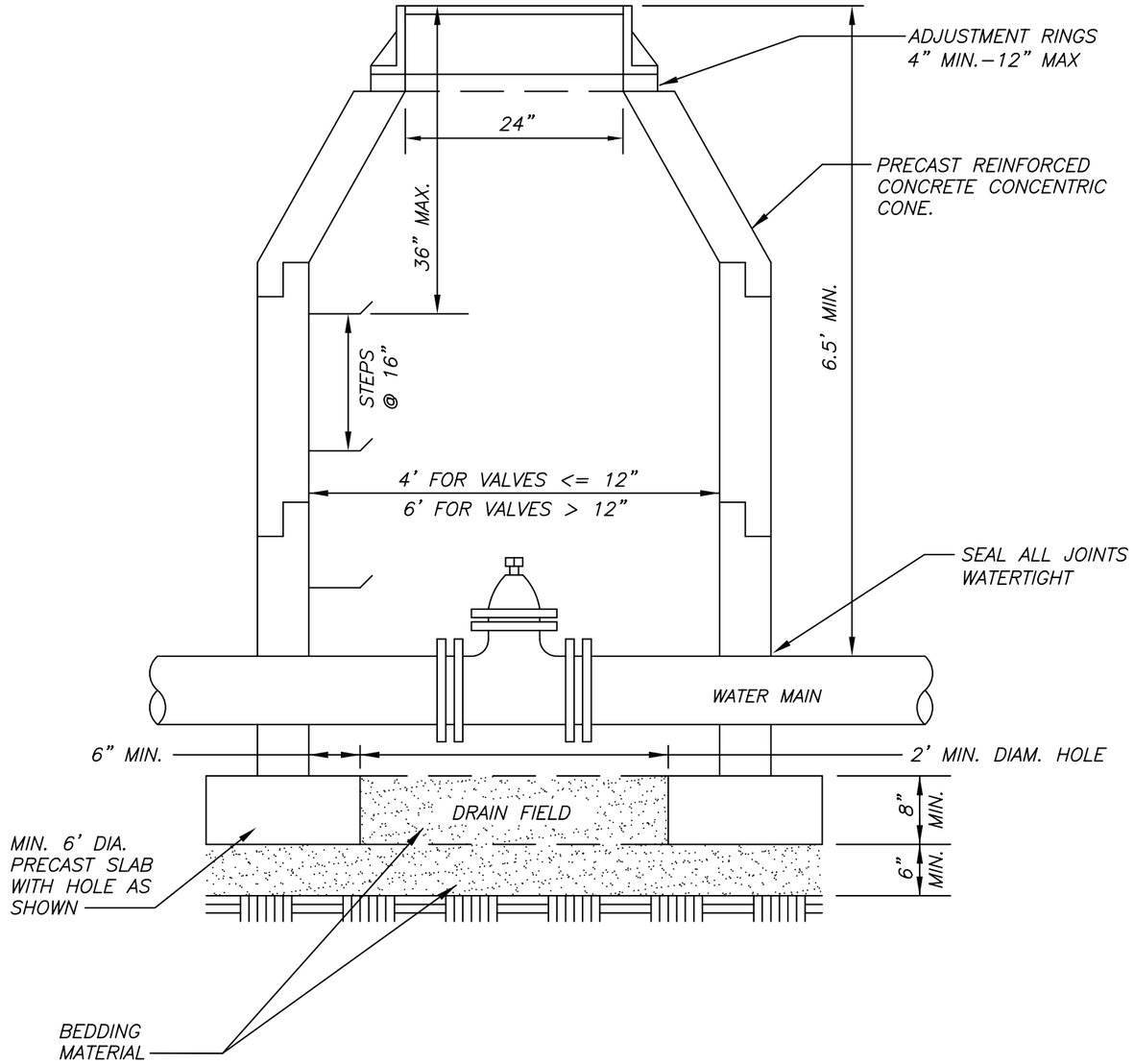
NOTE

FIRE HYDRANT SHALL BE WATEROUS WITH
- 16" BREAK SECTION
- 5" MIN. VALVE OPENING
- 6" M.J. INLET WITH RUBBER GASKET
- OPERATING NUT & CAP NUTS (3/4" PENTAGON), OPEN LEFT
- TWO 2–1/2" HOSE CONNECTIONS
- ONE 4–1/2" PUMPER CONNECTION
- THREE CAP CHAINS
- COLOR RED.
- IF HYDRANT IS INSTALLED IN AREAS OF EXPECTED HIGH GROUNDWATER, THE DRAIN HOLES SHALL BE PLUGGED.

MIDDLETON FURNISH AND INSTALL HYDRANT

NTS

PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET 62	E



NOTES

ALL LIFT HOLES AND PIPE PENETRATIONS TO BE SEALED WITH HYDRAULIC CEMENT.

PLACE MANHOLE SO LID & CASTING WILL BE CENTERED ON VALVE OPERATING NUT.

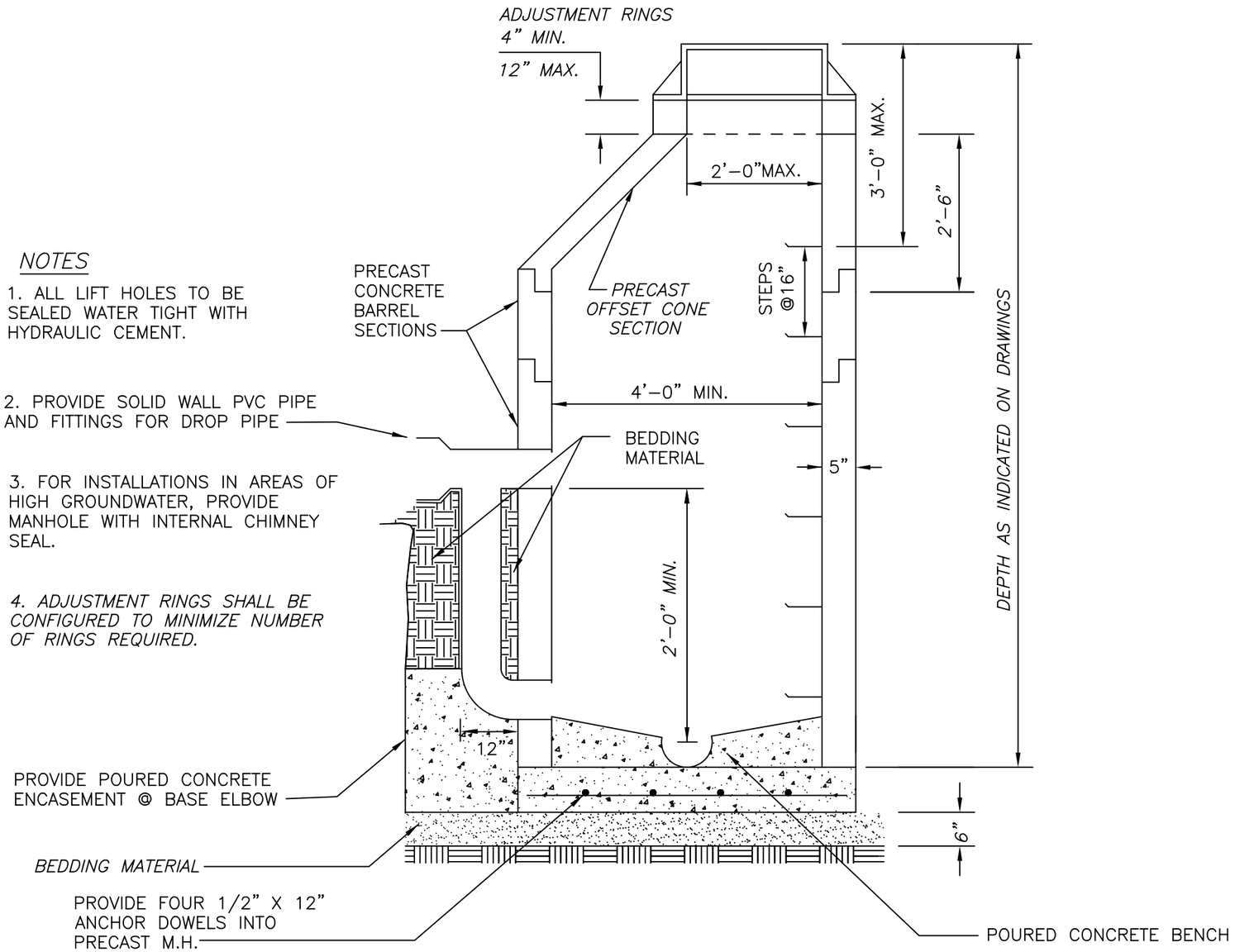
ADJUSTMENT RINGS SHALL BE CONFIGURED TO MINIMIZE NUMBER OF RINGS REQUIRED.

FOR INSTALLATIONS IN AREAS OF HIGH GROUNDWATER, PROVIDE MANHOLE WITH SOLID CONCRETE BOTTOM SLAB AND KOR–N–SEAL ASSEMBLY AT EACH PIPE PENETRATION. ALSO PROVIDE INTERNAL CHIMNEY SEAL.

WATER VAULT AND CASTING

NTS

2



NOTES

1. ALL LIFT HOLES TO BE SEALED WATER TIGHT WITH HYDRAULIC CEMENT.

2. PROVIDE SOLID WALL PVC PIPE AND FITTINGS FOR DROP PIPE

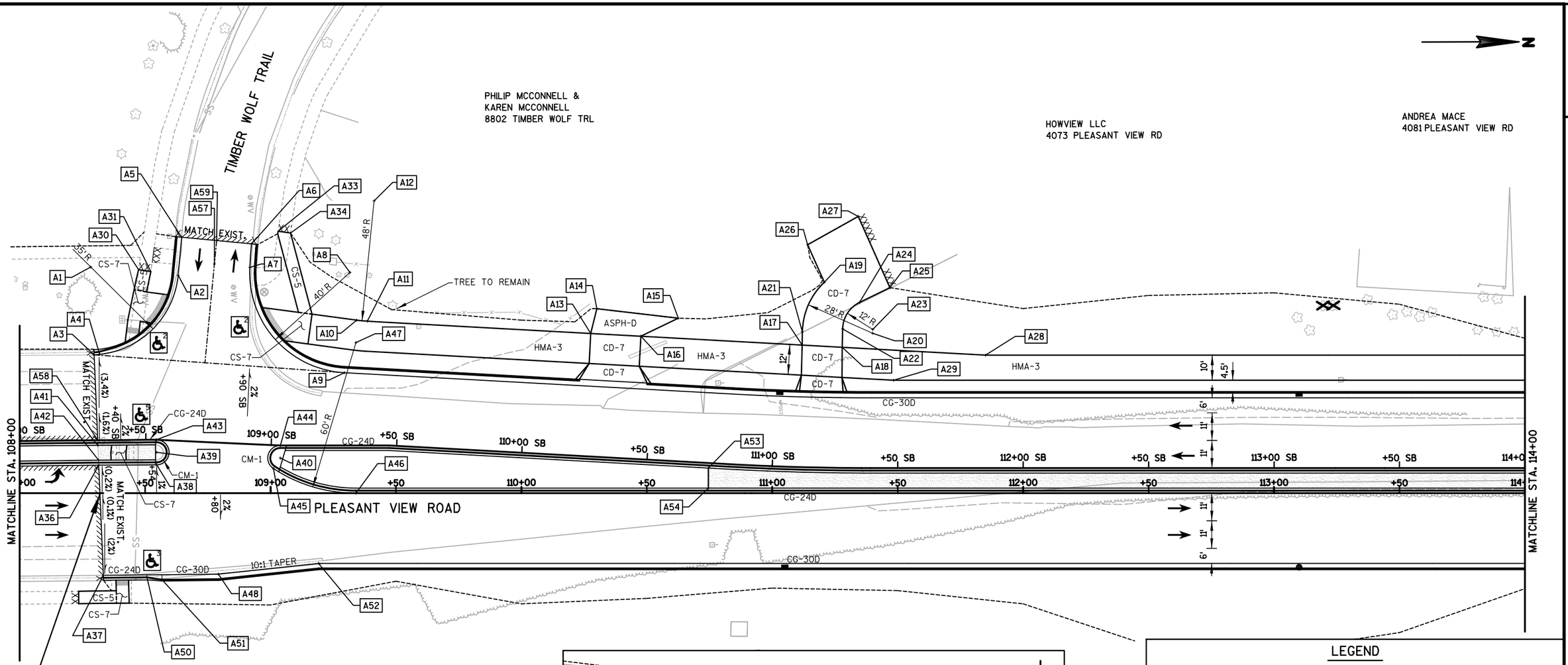
3. FOR INSTALLATIONS IN AREAS OF HIGH GROUNDWATER, PROVIDE MANHOLE WITH INTERNAL CHIMNEY SEAL.

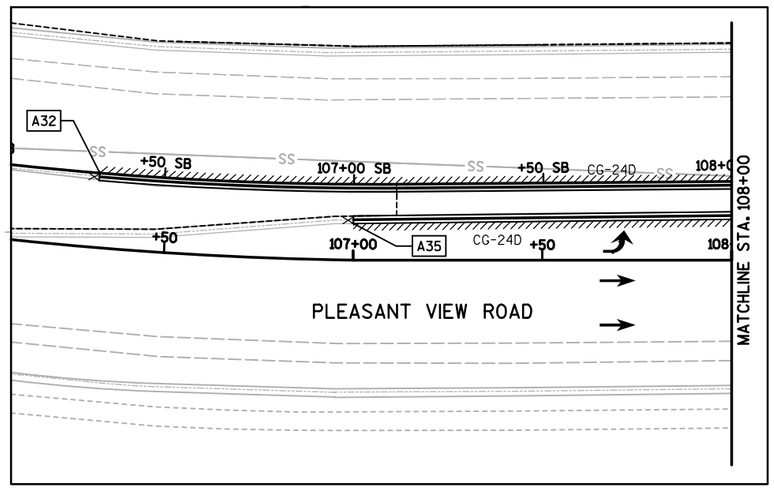
4. ADJUSTMENT RINGS SHALL BE CONFIGURED TO MINIMIZE NUMBER OF RINGS REQUIRED.

DROP SANITARY SEWER ACCESS STRUCTURE

(5-FOOT DIAMETER)

NTS





NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18AR	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE GUTTER)
CS-5	CONCRETE SIDEWALK 5-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	CURB RAMP, TYPE X	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	TRAFFIC FLOW	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	PROPOSED INLET	CG-36D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
	PROPOSED STORM SEWER MANHOLE	CG-36R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CM-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
	SAWING ASPHALT	CM-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
XXXXX	SAWING CONCRETE	CP	CONCRETE CURB PEDESTRIAN
X	TREE REMOVAL (CLEARING AND GRUBBING)	RWAL	RETAINING WALL
	CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM		SLOPE INTERCEPTS
	SURFACE WATER FLOW		
HMA-3	3 INCHES ASPHALTIC SURFACE 6 INCHES BASE AGGREGATE DENSE 1 1/4-INCH		

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN DETAILS - PLEASANT VIEW ROAD	SHEET 65	E

A POINTS						
POINT NO.	PLEASANT VIEW ROAD (NB)		ELEV.	X	Y	REMARKS
	STATION	OFFSET				
A1	108+28.31	90.16'LT	---	780,267.32	483,520.30	R=35'
A2	108+63.16	86.85'LT	1056.58	780,272.09	483,554.98	EOP; END RADIUS
A3	108+29.67	55.11'LT	---	780,302.39	483,520.18	EOP; MATCH EXIST.
A4	108+31.90	55.34'LT	1059.46	780,302.25	483,522.42	EOP; BEGIN RADIUS
A5	108+64.60	101.99'LT	---	780,257.02	483,557.05	EOP; MATCH EXIST.
A6	108+92.41	99.35'LT	---	780,260.83	483,584.72	EOP; MATCH EXIST.
A7	108+91.72	90.00'LT	1055.81	780,270.15	483,583.65	EOP; BEGIN RADIUS
A8	109+31.67	87.96'LT	---	780,273.87	483,623.48	R=40'
A9	109+29.48	48.02'LT	1057.18	780,313.68	483,619.60	EOP; END RADIUS
A10	109+34.35	68.98'LT	1057.94	780,292.95	483,625.35	BOW; BEGIN RADIUS
A11	109+38.62	68.55'LT	1057.84	780,293.55	483,629.60	BOW; END RADIUS
A12	109+41.26	116.48'LT	---	780,245.78	483,634.25	R=48'
A13	110+27.65	63.69'LT	1055.92	780,302.15	483,718.35	BOW; BEGIN DRIVEWAY
A14	110+30.07	73.54'LT	---	780,292.42	483,721.18	MATCH EXIST.
A15	110+62.49	69.75'LT	---	780,297.57	483,753.41	MATCH EXIST.
A16	110+47.62	62.56'LT	1055.65	780,304.13	483,738.25	BOW; END DRIVEWAY
A17	111+11.90	59.02'LT	1054.45	780,310.37	483,802.32	BOW; BEGIN DRIVEWAY
A18	111+27.90	58.14'LT	1053.91	780,311.92	483,818.27	BOW; END DRIVEWAY
A19	111+20.75	84.08'LT	1056.00	780,285.71	483,812.22	EOP; END RADIUS
A20	111+40.00	63.75'LT	---	780,306.83	483,830.60	R=28'
A21	111+12.01	64.30'LT	1054.76	780,305.10	483,802.65	EOP; BEGIN RADIUS
A22	111+28.03	65.48'LT	1054.69	780,304.60	483,818.72	EDGE OF DRIVEWAY; BEGIN RADIUS
A23	111+40.03	65.24'LT	---	780,305.34	483,830.69	R=12'
A24	111+34.78	76.04'LT	1056.10	780,294.33	483,825.91	EDGE OF DRIVEWAY; END RADIUS
A25	111+46.89	81.92'LT	---	780,288.97	483,838.25	EDGE OF DRIVEWAY; MATCH EXIST.
A26	111+14.08	99.05'LT	---	780,270.47	483,806.19	EDGE OF DRIVEWAY; MATCH EXIST.
A27	111+34.28	110.31'LT	---	780,260.07	483,826.85	EDGE OF DRIVEWAY; MATCH EXIST.
A28	111+84.99	55.00'LT	1052.15	780,317.47	483,875.18	BOW
A29	111+48.30	45.00'LT	1053.30	780,325.91	483,838.10	FOW
A30	108+47.41	89.08'LT	---	780,269.20	483,539.34	BOW; MATCH EXIST.
A31	108+52.27	88.37'LT	---	780,270.12	483,544.16	FOW; MATCH EXIST.
A32	106+31.46	19.70'LT	---	780,326.19	483,322.52	BEGIN CURB; MATCH EXIST.
A33	109+03.03	104.43'LT	---	780,256.21	483,595.55	FOW; MATCH EXIST.
A34	109+07.97	103.72'LT	---	780,257.12	483,600.46	BOW; MATCH EXIST.
A35	107+00.00	9.67'LT	---	780,342.33	483,388.86	BEGIN CURB; MATCH EXIST.
A36	108+31.52	11.16'LT	---	780,346.39	483,520.18	EOP; MATCH EXIST.
A37	108+33.37	32.74'RT	---	780,390.32	483,520.18	EOP; MATCH EXIST.
A38	108+54.62	11.29'LT	1059.82	780,347.23	483,543.27	EOP; BEGIN RADIUS
A39	108+54.59	16.29'LT	---	780,342.23	483,543.44	R=5'
A40	109+03.89	14.00'LT	---	780,346.59	483,592.61	R=5'
A41	108+31.19	19.07'LT	---	780,338.46	483,520.18	BOC; BEGIN COLORED CONCRETE
A42	108+31.44	13.16'LT	---	780,344.39	483,520.18	BOC; BEGIN COLORED CONCRETE
A43	108+54.54	21.29'LT	1059.69	780,337.23	483,543.61	EOP; END RADIUS
A44	109+03.89	19.00'LT	1058.32	780,341.60	483,592.82	EOP; BEGIN RADIUS
A45	109+01.15	9.82'LT	1058.44	780,350.66	483,589.69	EOP; BEGIN RADIUS
A46	109+34.04	0.00'RT	1057.75	780,361.85	483,622.14	EOP; END RADIUS
A47	109+34.04	60.00'LT	---	780,301.90	483,624.67	R=60'
A48	108+79.21	32.31'RT	1058.51	780,391.82	483,565.99	EOP; BEGIN TAPER
A50	108+50.74	33.57'RT	---	780,391.89	483,537.49	FOC; BEGIN CURB TRANSITION
A51	108+56.75	34.52'RT	---	780,393.08	483,543.46	FOC; END CURB TRANSITION
A52	109+19.17	28.00'RT	1057.53	780,389.20	483,606.10	EOP; END TAPER
A53	110+74.50	10.00'LT	---	780,357.77	483,762.89	BOC; BEGIN COLORED CONCRETE
A54	110+74.50	2.00'LT	---	780,365.77	483,762.56	BOC; BEGIN COLORED CONCRETE
A55	108+53.16	65.51'LT	1058.24	780,292.99	483,544.09	EOP; GRADE BREAK
A56	109+01.93	61.21'LT	1057.34	780,299.34	483,592.63	EOP; GRADE BREAK
A57	108+77.61	91.34'LT	1056.05	780,268.22	483,569.61	GRADE BREAK
A58	108+31.11	21.08'LT	---	780,336.45	483,520.18	EOP; MATCH EXIST.
A59	108+78.50	100.67'LT	---	780,258.93	483,570.89	EOP; MATCH EXIST.

2

N

BOULDER CREEK APTS LLC
1002 N PLEASANT VIEW RD

CITY OF MADISON ENGINEER STORMWATER UTILITY 533
1005 SWALLOWTAIL DR

DRIVEWAY CURB REQ'D
BETWEEN POINTS B27 AND B28

ANDREA MACE
4081 PLEASANT VIEW RD

B15 B12 B11 B16 B19 B13 B14 B27 B17 B28 B4 B7 B8 B5 B6 B1 B2 B3 B20 B21 B22 B29 B30 B25 B23 B26 B24 B18

ASPH-D
HMA-3
CD-7
CD-7
CG-30D
CG-24D
CG-24D
CG-30D
8:1 TAPER
CD-7

990R
24' R
212' R
10'
4.5'
12'
6'
11'
11'
11'
11'
6'

+50 SB
115+00 SB
116+00 SB
117+00 SB
118+00 SB
119+00 SB
120+00

DRIVEWAY CURB REQ'D
BETWEEN POINTS B25 AND B26

PLEASANT VIEW ROAD

MATCHLINE STA. 114+00

MATCHLINE STA. 120+00

FENCE SAFETY REQ'D
STA. 118+53.4 TO STA. 119+86.5
(LOCATE AT EXISTING RIGHT OF WAY)

FIRST GERMAN LUTHERAN CHURCH,
PLEASANT VIEW CEM
951 N PLEASANT VIEW RD

CITY OF MADISON ENGINEER
STORMWATER UTILITY 533
934 DEMING WAY

LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18AR	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE GUTTER)
CS-5	CONCRETE SIDEWALK 5-INCH		
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
	CURB RAMP, TYPE X	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	TRAFFIC FLOW		
	PROPOSED INLET	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	PROPOSED STORM SEWER MANHOLE	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-36D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
	SAWING ASPHALT	CG-36R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
XXXXX	SAWING CONCRETE	CM-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
X	TREE REMOVAL (CLEARING AND GRUBBING)	CM-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
	CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM	CP	CONCRETE CURB PEDESTRIAN
	SURFACE WATER FLOW		SLOPE INTERCEPTS
HMA-3	3 INCHES ASPHALTIC SURFACE 6 INCHES BASE AGGREGATE DENSE 1 1/4-INCH		
RWAL	RETAINING WALL		

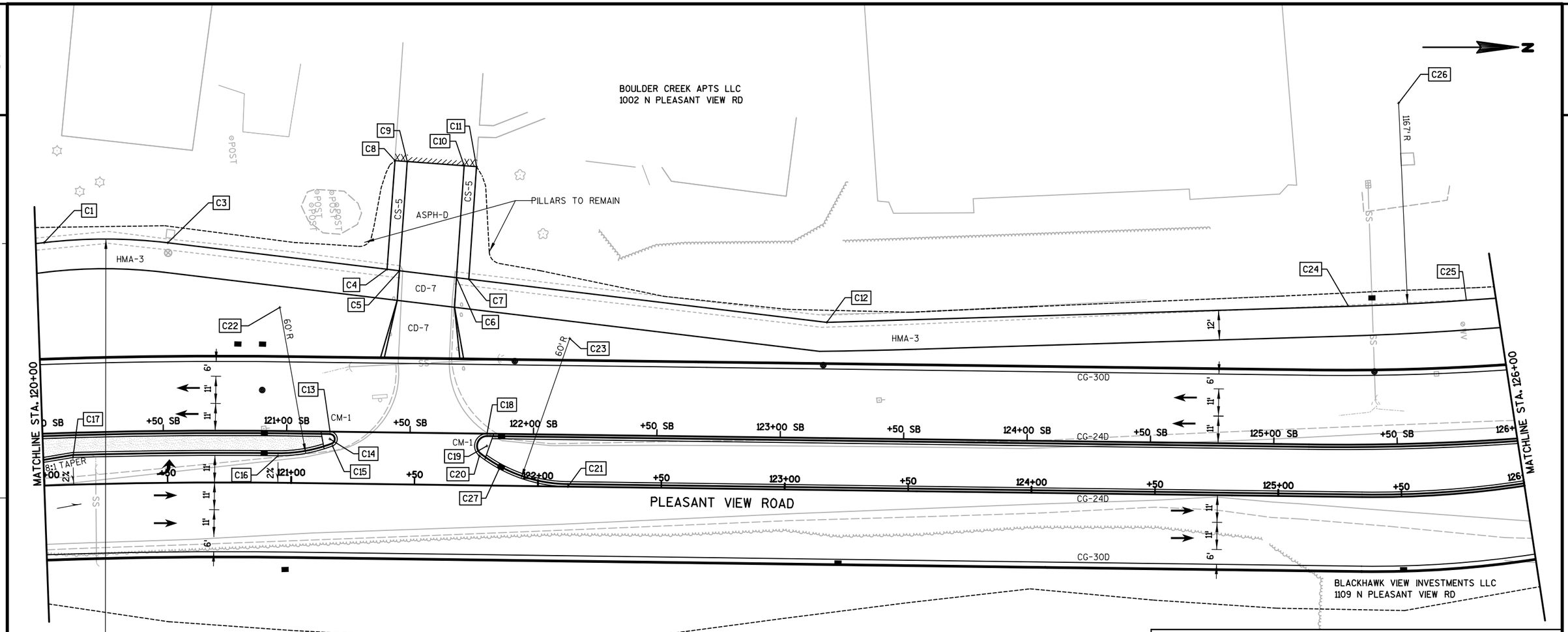
NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN DETAILS - PLEASANT VIEW ROAD	SHEET 67	E

B POINTS						
POINT NO.	PLEASANT VIEW ROAD (NB)		ELEV	X	Y	REMARKS
	STATION	OFFSET				
B1	114+27.44	55.00'LT	1039.30	780,327.67	484,117.41	BOW; BEGIN RADIUS
B2	114+67.30	55.64'LT	1036.65	780,328.55	484,156.52	BOW; BEGIN DRIVEWAY
B3	114+79.77	55.98'LT	1035.93	780,328.51	484,168.52	BOW; END DRIVEWAY
B4	114+65.28	61.85'LT	1036.30	780,322.29	484,154.77	EDGE OF DRIVEWAY; END RADIUS
B5	114+54.84	55.26'LT	---	780,328.54	484,144.52	R=12'
B6	114+79.75	56.52'LT	1035.92	780,327.97	484,168.52	EDGE OF DRIVEWAY; BEGIN RADIUS
B7	114+76.39	68.05'LT	1035.51	780,316.37	484,165.54	EDGE OF DRIVEWAY; END RADIUS
B8	114+54.82	55.85'LT	---	780,327.95	484,144.52	R=24'
B11	114+47.72	87.08'LT	---	780,296.48	484,139.01	MATCH EXIST.
B12	114+60.22	94.04'LT	---	780,289.96	484,151.00	MATCH EXIST.
B13	116+40.25	64.39'LT	1026.81	780,314.92	484,322.82	BOW; END RADIUS
B14	116+30.76	53.54'LT	1027.24	780,326.45	484,314.18	FOW; END RADIUS; BEGIN TAPER
B15	114+27.44	1045.00'LT	---	779,338.55	484,159.10	R=990'
B16	118+19.56	84.41'LT	1017.51	780,284.25	484,505.72	BOW; BEGIN RADIUS
B17	118+23.30	72.87'LT	1017.20	780,295.75	484,509.76	FOW; END TAPER
B18	118+55.18	124.67'RT	---	780,493.33	484,540.78	R=212'
B19	118+44.68	87.08'LT	1016.60	780,281.50	484,532.25	BOW; END RADIUS
B20	116+47.96	10.00'LT	---	780,368.56	484,334.64	BOC; END COLORED CONCRETE
B21	116+47.96	2.00'LT	---	780,376.54	484,335.25	BOC; END COLORED CONCRETE
B22	119+23.81	0.00'RT	1012.87	780,370.55	484,610.90	EOP; BEGIN TAPER
B23	119+32.70	33.50'RT	1011.93	780,404.31	484,618.73	BACK OF CONCRETE DRIVEWAY
B24	119+48.70	33.50'RT	1011.53	780,404.82	484,634.72	BACK OF CONCRETE DRIVEWAY
B25	118+50.00	30.00'RT	---	780,398.61	484,536.85	BEGIN DRIVEWAY CURB
B26	119+90.00	30.00'RT	---	780,402.64	484,675.96	END DRIVEWAY CURB
B27	118+11.46	48.41'LT	---	780,320.37	484,497.76	BEGIN DRIVEWAY CURB
B28	118+23.12	48.63'LT	---	780,319.99	484,509.80	END DRIVEWAY CURB
B29	119+97.08	19.00'LT	---	780,353.95	484,684.89	BOC; BEGIN COLORED CONCRETE
B30	119+97.08	11.02'LT	---	780,361.92	484,684.57	BOC; BEGIN COLORED CONCRETE

2



LEGEND

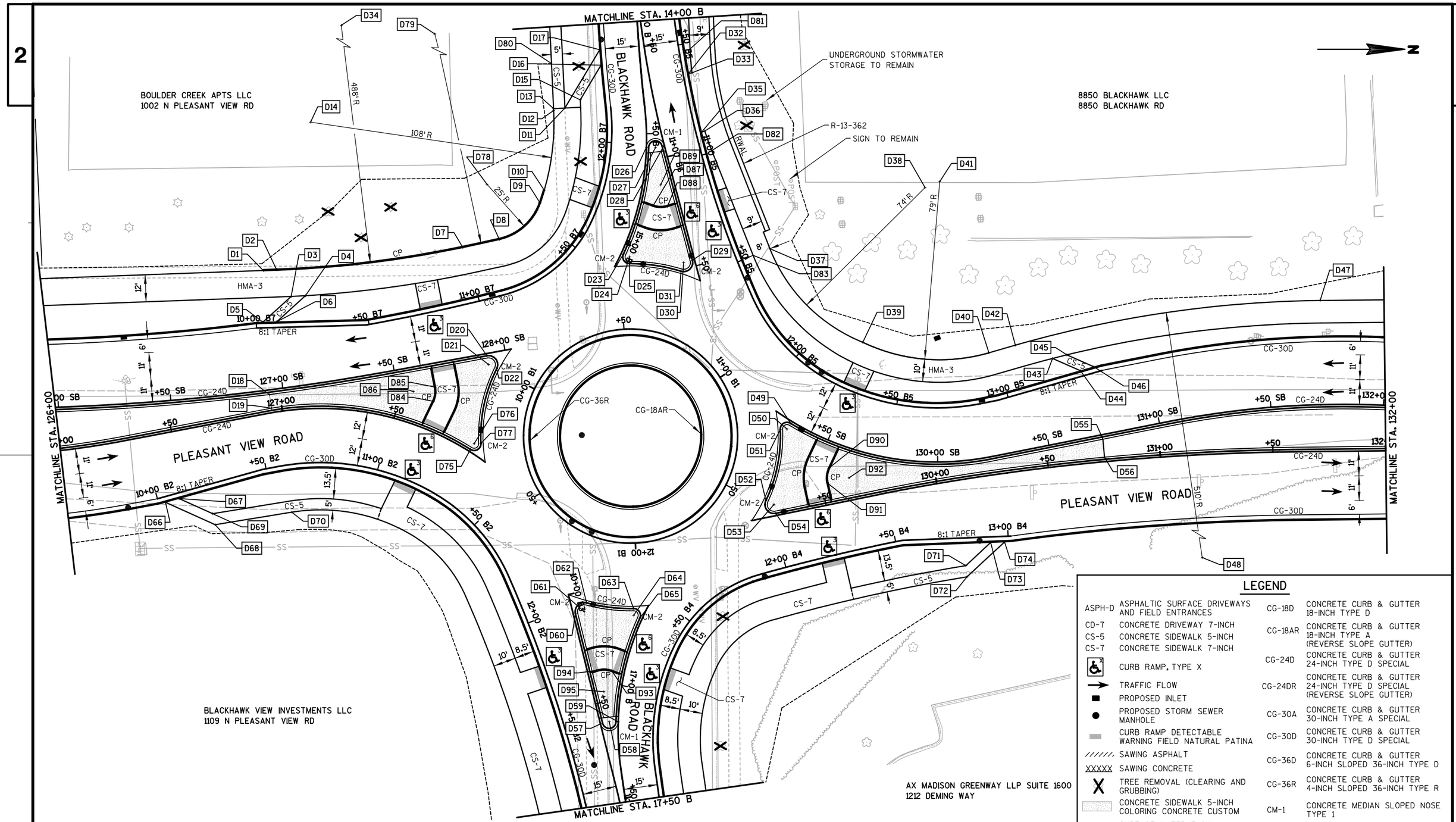
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18AR	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE GUTTER)
CS-5	CONCRETE SIDEWALK 5-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	CURB RAMP, TYPE X	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	TRAFFIC FLOW	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	PROPOSED INLET	CG-36D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
	PROPOSED STORM SEWER MANHOLE	CG-36R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CM-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
	SAWING ASPHALT	CM-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
XXXXX	SAWING CONCRETE	CP	CONCRETE CURB PEDESTRIAN
	TREE REMOVAL (CLEARING AND GRUBBING)	RWAL	RETAINING WALL
	CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM		SLOPE INTERCEPTS
	SURFACE WATER FLOW		
HMA-3	3 INCHES ASPHALTIC SURFACE 6 INCHES BASE AGGREGATE DENSE 1 1/4-INCH		

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN DETAILS - PLEASANT VIEW ROAD	SHEET 69	E

C POINTS						
POINT NO.	PLEASANT VIEW ROAD (NB)		ELEV	X	Y	REMARKS
	STATION	OFFSET				
C1	120+03.21	98.31'LT	1012.49	780,274.97	484,694.49	BOW; BEGIN RADIUS
C2	120+21.88	112.88'RT	---	780,486.80	484,703.01	R=212'
C3	120+51.02	97.13'LT	1012.45	780,278.89	484,744.44	BOW; END RADIUS
C4	121+37.75	87.00'LT	1012.48	780,296.38	484,832.23	BOW
C5	121+42.73	86.47'LT	1012.40	780,297.36	484,837.14	BOW; BEGIN DRIVEWAY
C6	121+65.93	83.98'LT	1012.43	780,301.91	484,860.01	BOW; END DRIVEWAY
C7	121+70.90	83.45'LT	1012.50	780,302.89	484,864.92	BOW
C8	121+40.37	131.01'LT	---	780,252.78	484,838.78	BOW; MATCH EXIST.
C9	121+45.36	130.72'LT	---	780,253.52	484,843.73	EDGE OF DRIVEWAY; MATCH EXIST.
C10	121+68.42	129.34'LT	---	780,256.96	484,866.57	EDGE OF DRIVEWAY; MATCH EXIST.
C11	121+73.41	129.05'LT	---	780,257.70	484,871.52	BOW; MATCH EXIST.
C12	123+16.19	67.87'LT	1013.98	780,331.44	485,008.22	BOW
C13	121+15.47	21.00'LT	1010.85	780,360.12	484,804.11	EOP; END RADIUS
C14	121+15.47	18.00'LT	---	780,363.10	484,803.85	R=3'
C15	121+16.58	15.21'LT	1010.76	780,365.98	484,804.70	EOP; BEGIN RADIUS
C16	120+94.63	11.00'LT	1010.67	780,368.21	484,782.43	EOP; BEGIN RADIUS
C17	120+11.91	11.00'LT	1011.28	780,362.59	484,699.46	EOP; END TAPER
C18	121+79.13	21.00'LT	1011.39	780,365.83	484,867.51	EOP; END RADIUS
C19	121+79.13	16.00'LT	---	780,370.81	484,867.06	R=5'
C20	121+76.13	12.00'LT	1011.15	780,374.52	484,863.72	EOP; BEGIN RADIUS
C21	122+12.13	0.00'RT	1011.34	780,389.70	484,898.50	EOP; END RADIUS
C22	120+94.63	71.00'LT	---	780,308.44	484,787.70	R=60'
C23	122+12.13	60.00'LT	---	780,329.94	484,903.88	R=60'
C24	125+27.47	77.12'LT	---	780,341.19	485,219.49	BOW; BEGIN RADIUS
C25	125+85.22	77.54'LT	---	780,342.41	485,267.27	BOW; END RADIUS
C26	127+00.67	1235.16'LT	---	779,175.43	485,273.27	R=1167'
C27	121+84.28	6.85'LT	1011.04	780,380.38	484,871.38	EOP; GRADE BREAK



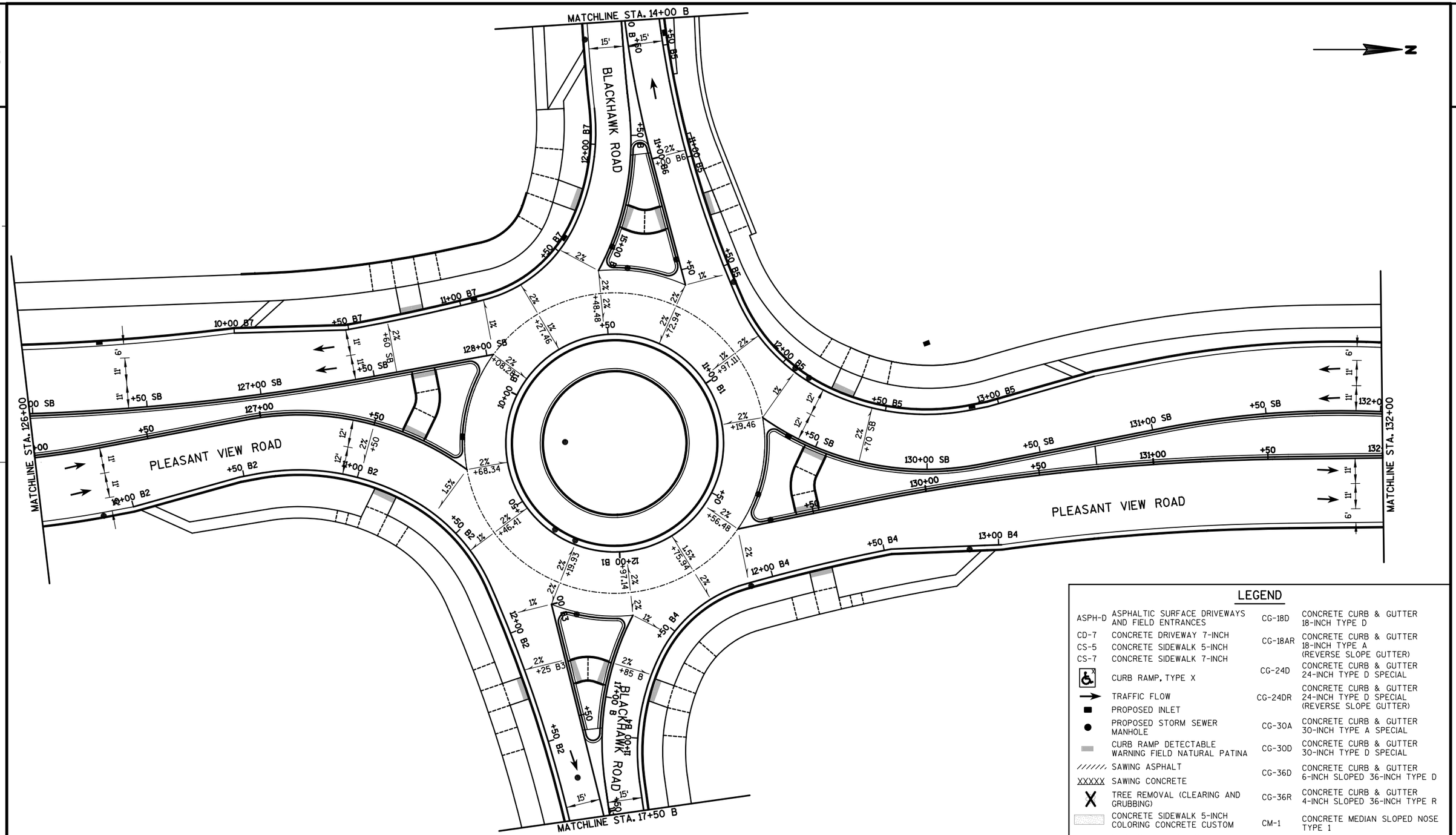
NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18AR	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE GUTTER)
CS-5	CONCRETE SIDEWALK 5-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	CURB RAMP, TYPE X	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	TRAFFIC FLOW	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	PROPOSED INLET	CG-36D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
	PROPOSED STORM SEWER MANHOLE	CG-36R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CM-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
	SAWING ASPHALT	CM-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
	SAWING CONCRETE	CP	CONCRETE CURB PEDESTRIAN
	TREE REMOVAL (CLEARING AND GRUBBING)		
	CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM		
	SURFACE WATER FLOW		
HMA-3	3 INCHES ASPHALTIC SURFACE 6 INCHES BASE AGGREGATE DENSE 1 1/4-INCH		
RWAL	RETAINING WALL		SLOPE INTERCEPTS

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN DETAILS - PLEASANT VIEW ROAD	SHEET 71	E



LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18AR	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE GUTTER)
CS-5	CONCRETE SIDEWALK 5-INCH		
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
	CURB RAMP, TYPE X	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	TRAFFIC FLOW		
	PROPOSED INLET	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	PROPOSED STORM SEWER MANHOLE	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-36D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
//////	SAWING ASPHALT	CG-36R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
XXXXX	SAWING CONCRETE	CM-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
	TREE REMOVAL (CLEARING AND GRUBBING)	CM-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
	CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM	CP	CONCRETE CURB PEDESTRIAN
	SURFACE WATER FLOW	RWAL	RETAINING WALL
HMA-3	3 INCHES ASPHALTIC SURFACE 6 INCHES BASE AGGREGATE DENSE 1 1/4-INCH		SLOPE INTERCEPTS

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN DETAILS - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\021204a_pd.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

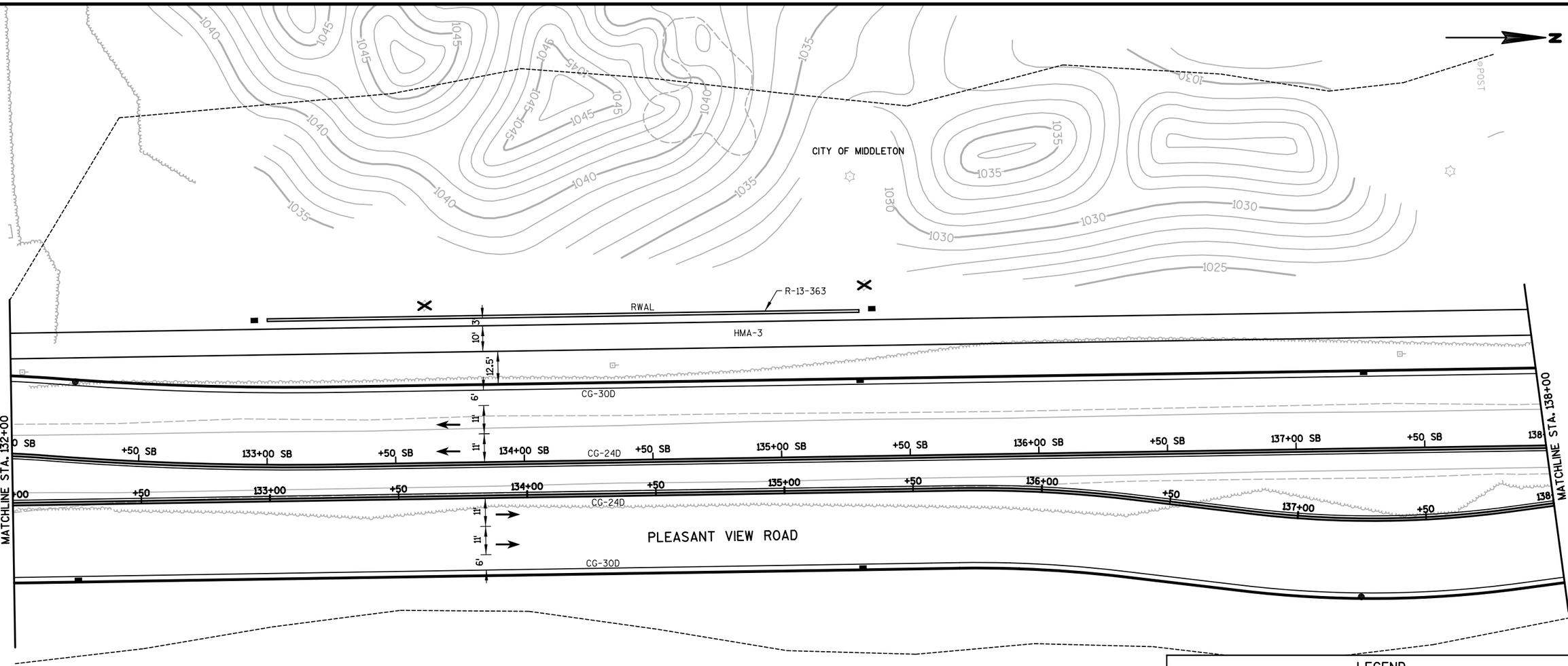
D POINTS

POINT NO.	PLEASANT VIEW ROAD(NB) STATION	PLEASANT VIEW ROAD(NB) OFFSET	BLACKHAWK ROAD (B) STATION	BLACKHAWK ROAD (B) OFFSET	B1 STATION	B1 OFFSET	ELEV	X	Y	REMARKS
D1	127+00.12	62.90'LT	---	---	---	---	1018.18	780,342.98	485,378.23	BOW; BEGIN PED. CURB
D2	127+04.09	62.40'LT	---	---	---	---	1018.24	780,343.01	485,384.23	BOW; BEGIN RADIUS
D3	127+07.76	50.14'LT	---	---	---	---	1018.12	780,355.01	485,390.14	FOW; BIKE RAMP
D4	127+12.27	50.12'LT	---	---	---	---	1018.18	780,354.93	485,396.49	FOW; BIKE RAMP
D5	126+97.64	40.26'LT	---	---	---	---	---	780,365.87	485,377.10	BOC; BIKE RAMP
D6	127+02.25	39.58'LT	---	---	---	---	---	780,365.96	485,383.24	BOC; BIKE RAMP
D7	127+55.75	81.42'LT	---	---	---	---	1017.89	780,336.36	485,467.11	BOW; END RADIUS; BEGIN RADIUS
D8	127+64.08	90.25'LT	---	---	10+24.99B1	57.44'LT	1018.09	780,333.51	485,483.48	BOW; END RADIUS; BEGIN RADIUS
D9	---	---	14+97.03B	41.90'RT	10+35.34B1	63.40'LT	1019.08	780,318.19	485,502.23	BOW; END RADIUS; BEGIN RADIUS
D10	---	---	14+87.80B	42.04'RT	---	---	---	780,312.56	485,504.30	BOW; END PED. CURB; SEE CURB RAMP DETAILS
D11	---	---	14+34.85B	35.26'RT	---	---	1020.70	780,276.55	485,514.94	FOW; BEGIN CONCRETE SIDEWALK
D12	---	---	14+35.39B	40.30'RT	---	---	1020.77	780,277.44	485,509.95	BOW; END RADIUS
D13	---	---	14+34.61B	40.25'RT	---	---	1020.78	780,276.62	485,509.94	BOW; BEGIN CONCRETE SIDEWALK
D14	---	---	14+29.94B	148.12'RT	---	---	---	780,278.09	485,401.95	R=108'
D15	---	---	14+32.05B	28.08'RT	---	---	1020.70	780,273.19	485,521.92	FOW; BIKE RAMP
D16	---	---	14+18.02B	17.50'RT	---	---	---	780,258.22	485,531.72	BOC; BIKE RAMP
D17	---	---	14+11.28B	17.50'RT	---	---	---	780,251.33	485,531.44	BOC; BIKE RAMP
D18	126+95.59	8.13'LT	---	---	---	---	---	780,398.06	485,378.62	BOC; BEGIN COLORED CONCRETE
D19	126+95.59	2.00'LT	---	---	---	---	---	780,404.13	485,379.42	BOC; BEGIN COLORED CONCRETE
D20	127+74.67	40.85'LT	---	---	10+02.55B1	25.48'LT	---	780,384.90	485,475.88	FOC; BEGIN RADIUS
D21	127+76.52	37.67'LT	---	---	10+00.47B1	23.00'LT	---	780,388.86	485,476.44	R = 4'; FOC
D22	127+79.58	37.77'LT	---	---	10+00.47B1	19.00'LT	---	780,390.80	485,479.93	FOC; END RADIUS
D23	128+35.35	103.32'LT	15+04.62B	1.00'LT	10+51.07B1	33.33'LT	---	780,342.32	485,538.23	FOC; BEGIN RADIUS
D24	128+38.28	102.67'LT	15+04.62B	4.00'LT	10+52.67B1	32.00'LT	---	780,343.70	485,540.89	R=3'; FOC
D25	128+38.94	99.74'LT	15+07.21B	5.31'LT	10+52.67B1	29.00'LT	---	780,346.70	485,540.79	FOC; END RADIUS
D26	---	---	14+56.03B	0.00'RT	---	---	1019.46	780,295.40	485,550.39	EOP; BEGIN RADIUS
D27	---	---	14+56.03B	4.00'LT	---	---	---	780,295.69	485,554.38	R=4'
D28	---	---	14+54.95B	7.84'LT	---	---	1019.58	780,294.82	485,558.29	EOP; END RADIUS
D29	128+65.81	107.17'LT	14+96.32B	30.26'LT	10+68.99B1	35.18'LT	---	780,346.35	485,568.67	FOC; BEGIN RADIUS
D30	128+62.25	105.34'LT	14+98.23B	27.03'LT	10+67.03B1	33.00'LT	---	780,347.21	485,564.76	R=4'; FOC
D31	128+61.93	101.35'LT	15+01.47B	27.42'LT	10+67.03B1	29.00'LT	---	780,350.98	485,563.43	FOC; END RADIUS
D32	---	---	14+25.09B	20.97'LT	---	---	---	780,263.40	485,570.49	BOC
D33	---	---	14+25.05B	22.47'LT	---	---	1020.57	780,263.28	485,571.98	FOW; BEGIN RADIUS
D34	127+10.18	550.09'LT	---	---	---	---	---	779,855.02	485,386.74	R=488'
D35	---	---	14+49.85B	24.46'LT	---	---	---	780,289.73	485,575.13	BOC
D36	---	---	14+49.50B	25.89'LT	---	---	1019.72	780,289.33	485,576.57	FOW; BEGIN RADIUS
D37	129+48.40	116.50'LT	14+85.00B	61.39'LT	10+83.32B1	56.09'LT	1019.25	780,342.68	485,603.28	BOW; BEGIN RADIUS
D38	130+14.75	130.49'LT	---	---	10+94.25B1	123.48'LT	---	780,318.38	485,673.18	R=74'
D39	129+79.90	67.61'LT	---	---	11+09.31B1	63.63'LT	---	780,385.83	485,642.72	BOW; END RADIUS; SEE CURB RAMP DETAILS
D40	130+30.82	53.85'LT	---	---	---	---	1020.16	780,392.83	485,698.45	BOW; END RADIUS
D41	130+20.80	132.09'LT	---	---	---	---	---	780,316.07	485,679.78	R=79'
D42	130+42.29	55.67'LT	---	---	---	---	1020.35	780,389.94	485,710.32	BOW; BEGIN RADIUS
D43	130+57.24	47.90'LT	---	---	---	---	1020.41	780,396.49	485,726.57	FOW; BIKE RAMP
D44	130+68.47	41.18'LT	---	---	---	---	---	780,402.45	485,738.69	BOC; BIKE RAMP
D45	130+63.41	48.80'LT	---	---	---	---	1020.50	780,395.17	485,732.96	FOW; BIKE RAMP
D46	130+74.38	42.31'LT	---	---	---	---	---	780,400.98	485,744.77	BOC; BIKE RAMP
D47	131+71.69	67.00'LT	---	---	---	---	1022.29	780,375.73	485,846.28	BOW; END RADIUS
D48	131+71.69	443.00'RT	---	---	---	---	---	780,885.50	485,830.84	R=510'
D49	129+41.82	38.82'LT	---	---	11+23.74B1	23.72'LT	---	780,420.40	485,609.20	FOC; BEGIN RADIUS
D50	129+39.77	36.62'LT	---	---	11+25.41B1	22.00'LT	---	780,422.90	485,607.54	R=3'; FOC
D51	129+36.81	37.09'LT	---	---	11+25.41B1	19.00'LT	---	780,422.91	485,604.54	FOC; END RADIUS
D52	129+24.19	7.41'LT	---	---	11+48.68B1	19.00'LT	---	780,454.23	485,596.83	FOC; BEGIN RADIUS
D53	129+27.38	5.00'LT	---	---	11+48.68B1	23.00'LT	---	780,456.10	485,600.36	R=4'; FOC
D54	129+27.38	1.00'LT	---	---	11+50.75B1	25.48'LT	---	780,460.05	485,601.00	FOC; END RADIUS
D55	130+75.32	10.00'LT	---	---	---	---	---	780,433.20	485,747.40	BOC; END COLORED CONCRETE
D56	130+75.32	2.00'LT	---	---	---	---	---	780,441.19	485,747.81	BOC; END COLORED CONCRETE
D57	---	---	17+17.23B	7.86'RT	---	---	1014.35	780,550.11	485,519.39	EOP; BEGIN RADIUS
D58	---	---	17+16.22B	4.00'RT	---	---	---	780,549.31	485,523.31	R=4'; FOC

D POINTS

POINT NO.	PLEASANT VIEW ROAD(NB) STATION	PLEASANT VIEW ROAD(NB) OFFSET	BLACKHAWK ROAD (B) STATION	BLACKHAWK ROAD (B) OFFSET	B1 STATION	B1 OFFSET	ELEV	X	Y	REMARKS
D59	---	---	17+16.22B	0.00'RT	---	---	1014.47	780,549.59	485,527.30	EOP; END RADIUS
D60	128+48.72	57.09'RT	16+77.14B	28.18'RT	12+16.45B1	35.00'LT	---	780,500.86	485,510.34	FOC; BEGIN RADIUS
D61	128+52.31	55.32'RT	16+75.28B	24.90'RT	12+14.43B1	33.00'LT	---	780,500.05	485,514.26	R=4'; FOC
D62	128+52.48	51.33'RT	16+72.00B	25.40'RT	12+14.43B1	29.00'LT	---	780,496.23	485,515.44	FOC; END RADIUS
D63	128+73.42	49.32'RT	16+66.46B	5.31'RT	12+01.33B1	29.00'LT	---	780,499.62	485,536.20	FOC; BEGIN RADIUS
D64	128+74.11	52.24'RT	16+69.06B	4.00'RT	12+01.33B1	32.00'LT	---	780,502.62	485,536.13	R=3'; FOC
D65	128+77.05	52.86'RT	16+69.06B	1.00'RT	11+99.73B1	33.33'LT	---	780,503.97	485,538.81	FOC; END RADIUS
D66	126+41.49	30.24'RT	---	---	---	---	---	780,443.93	485,330.58	BOC; BIKE RAMP
D67	126+47.72	29.72'RT	---	---	---	---	---	780,442.50	485,336.67	BOC; BIKE RAMP
D68	126+61.31	44.12'RT	---	---	---	---	1015.64	780,454.76	485,352.21	BOW; BIKE RAMP
D69	126+61.13	39.11'RT	---	---	---	---	1015.57	780,449.83	485,351.31	FOW; BIKE RAMP
D70	126+96.96	45.00'RT	---	---	---	---	1016.04	780,450.62	485,386.44	BOW
D71	130+06.92	38.00'RT	---	---	---	---	1018.65	780,486.71	485,684.32	FOW; BIKE RAMP
D72	130+06.61	43.00'RT	---	---	---	---	1018.73	780,491.71	485,684.63	BOW; BIKE RAMP
D73	130+19.89	29.56'RT	---	---	---	---	---	780,476.93	485,695.78	BOC; BIKE RAMP
D74	130+26.19	30.20'RT	---	---	---	---	---	780,476.94	485,701.92	BOC; BIKE RAMP
D75	127+86.68	1.00'LT	---	---	12+72.82B1	23.76'LT	---	780,426.11	485,466.84	FOC; BEGIN RADIUS
D76	127+86.68	4.00'LT	---	---	12+74.46B1	22.00'LT	---	780,423.64	485,468.54	R=3'; FOC
D77	127+89.03	5.74'LT	---	---	12+74.46B1	19.00'LT	---	780,423.62	485,471.54	FOC; END RADIUS
D78	127+56.63	111.30'LT	---	---	10+28.31B1	81.09'LT	---	780,308.91	485,479.01	R=25'
D79	127+00.67	1235.17'RT	---	---	---	---	---	779,175.43	485,273.27	R=1177'
D80	---	---	14+15.54B	39.31'RT	---	---	1021.65	780,256.58	485,509.82	BOW
D81	---	---	14+14.15B	22.52'LT	---	---	1021.06	780,252.69	485,571.54	FOW; END RADIUS
D82	---	---	14+56.55B	29.04'LT	---	---	1019.57	780,298.12	485,579.31	FOW; BEGIN RADIUS
D83	128+91.71	115.06'LT	---	---	---	---	1019.13	780,345.31	485,595.72	FOW; BEGIN RADIUS
D84	127+63.60	12.66'LT	---	---	---	---	---	780,404.11	485,451.29	BOW; BEGIN RADIUS; SEE CURB RAMP DETAILS
D85	127+62.26	18.82'LT	---	---	---	---	---	780,397.86	485,452.38	BOW; END RADIUS; SEE CURB RAMP DETAILS
D86	127+54.62	13.80'LT	---	---	---	---	---	780,399.36	485,442.49	R = 10'
D87	---	---	14+80.87B	6.37'LT	---	---	---	780,321.58	485,552.20	BOW; BEGIN RADIUS; SEE CURB RAMP DETAILS
D88	---	---	14+79.63B	12.69'LT	---	---	---	780,321.99	485,558.64	BOW; END RADIUS; SEE CURB RAMP DETAILS
D89	---	---	14+71.54B	7.90'LT	---	---	---	780,312.34	485,556.03	R = 10'
D90	129+54.38	15.84'LT	---	---	---	---	---	780,441.08	485,625.28	BOW; BEGIN RADIUS; SEE CURB RAMP DETAILS
D91	129+52.42	9.68'LT	---	---	---	---	---	780,447.48	485,624.33	BOW; END RADIUS; SEE CURB RAMP DETAILS
D92	129+62.42	9.89'LT	---	---	---	---	---	780,445.67	485,634.17	R = 10'
D93	---	---	16+94.42B	5.68'RT	---	---	---	780,526.70	485,525.32	BOW; BEGIN RADIUS; SEE CURB RAMP DETAILS
D94	---	---	16+95.63B	12.17'RT	---	---	---	780,526.36	485,518.71	BOW; END RADIUS; SEE CURB RAMP DETAILS
D95	---	---	17+03.77B	7.42'RT	---	---	---	780,535.95	485,521.53	R = 10'

2



IA DEMING WAY LLC
1224 DEMING WAY

AX MADISON GREENWAY LLP SUITE 1600
1212 DEMING WAY

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18AR	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE GUTTER)
CS-5	CONCRETE SIDEWALK 5-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	CURB RAMP, TYPE X	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	TRAFFIC FLOW	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	PROPOSED INLET	CG-36D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
	PROPOSED STORM SEWER MANHOLE	CG-36R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CM-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
	SAWING ASPHALT	CM-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
XXXXX	SAWING CONCRETE	CP	CONCRETE CURB PEDESTRIAN
	TREE REMOVAL (CLEARING AND GRUBBING)		
	CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM		
	SURFACE WATER FLOW		
HMA-3	3 INCHES ASPHALTIC SURFACE 6 INCHES BASE AGGREGATE DENSE 1 1/4-INCH		
RWAL	RETAINING WALL		SLOPE INTERCEPTS

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN DETAILS - PLEASANT VIEW ROAD	SHEET 74	E

2

CITY OF MIDDLETON

POND D

802.5' R

290' R

69' R

310' R

160' R

553' R

40' R

30' R

50' R

65' R

HMA-3

PLEASANT VIEW ROAD

MATCHLINE STA. 138+00

MATCHLINE STA. 144+00

MATCHLINE STA. 51+00 G

CG-36R

CG-18AR

GREENWAY BLVD

OLD SAUK TRAILS PARK LTD
1425 N PLEASANT VIEW RD

EAGLE RIDGE ASSOCIATES LLC
8646 GREENWAY BLVD

RWAL
SEE CONSTRUCTION DETAIL

8:1 TAPER

R/W

LEGEND

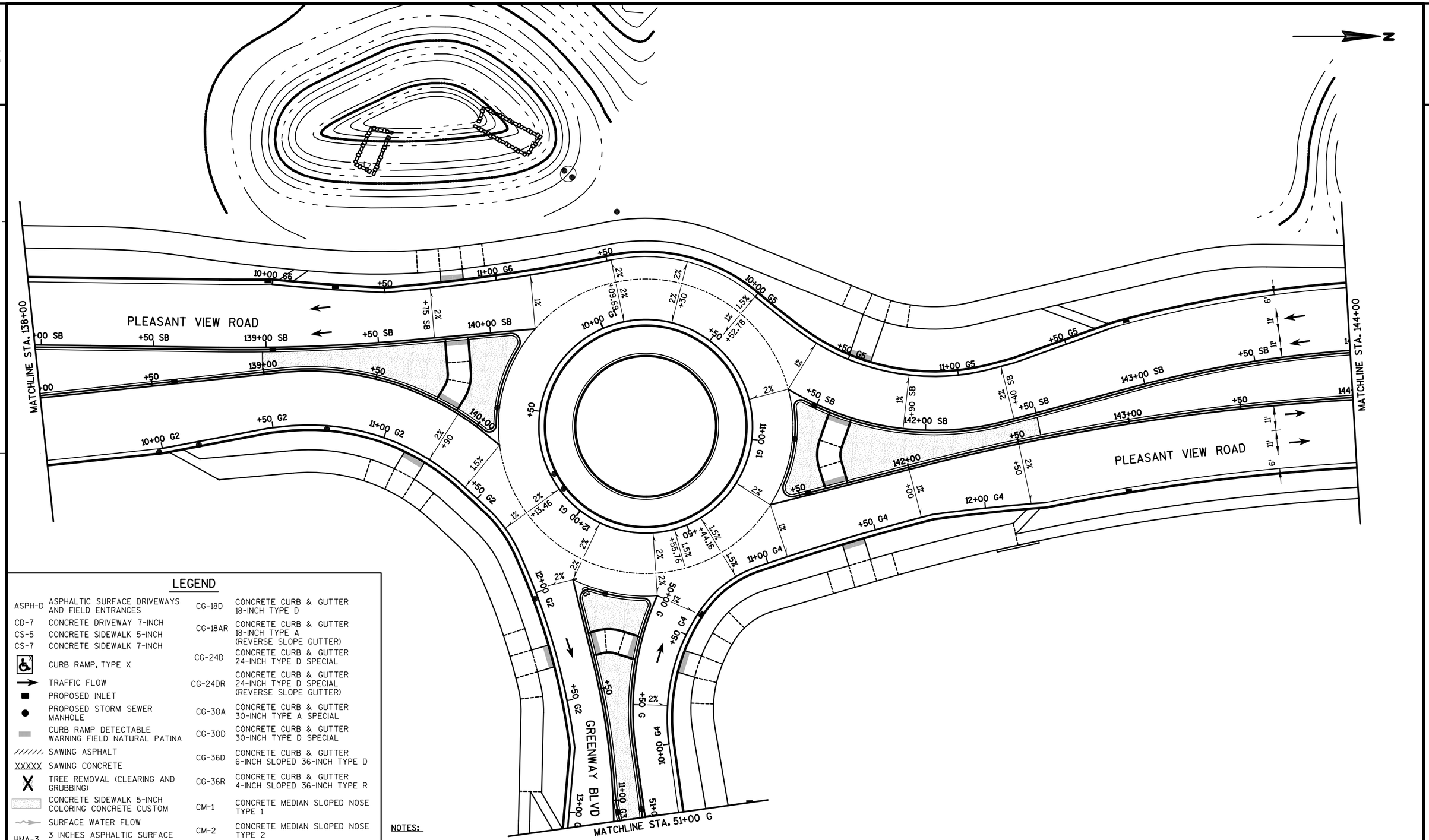
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18AR	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE GUTTER)
CS-5	CONCRETE SIDEWALK 5-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	CURB RAMP, TYPE X	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	TRAFFIC FLOW	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	PROPOSED INLET	CG-36D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
	PROPOSED STORM SEWER MANHOLE	CG-36R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CM-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
	SAWING ASPHALT	CM-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
XXXXX	SAWING CONCRETE	CP	CONCRETE CURB PEDESTRIAN
	TREE REMOVAL (CLEARING AND GRUBBING)		SLOPE INTERCEPTS
	CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM		
	SURFACE WATER FLOW		
HMA-3	3 INCHES ASPHALTIC SURFACE 6 INCHES BASE AGGREGATE DENSE 11/4-INCH		
RWAL	RETAINING WALL		

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN DETAILS - PLEASANT VIEW ROAD	SHEET 75	E

2



LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18AR	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE GUTTER)
CS-5	CONCRETE SIDEWALK 5-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	CURB RAMP, TYPE X	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	TRAFFIC FLOW	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	PROPOSED INLET	CG-36D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
	PROPOSED STORM SEWER MANHOLE	CG-36R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CM-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
	SAWING ASPHALT	CM-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
XXXXX	SAWING CONCRETE	CP	CONCRETE CURB PEDESTRIAN
X	TREE REMOVAL (CLEARING AND GRUBBING)		
	CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM		
	SURFACE WATER FLOW		
HMA-3	3 INCHES ASPHALTIC SURFACE 6 INCHES BASE AGGREGATE DENSE 1 1/4-INCH		
RWAL	RETAINING WALL		

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN DETAILS - PLEASANT VIEW ROAD	SHEET	E

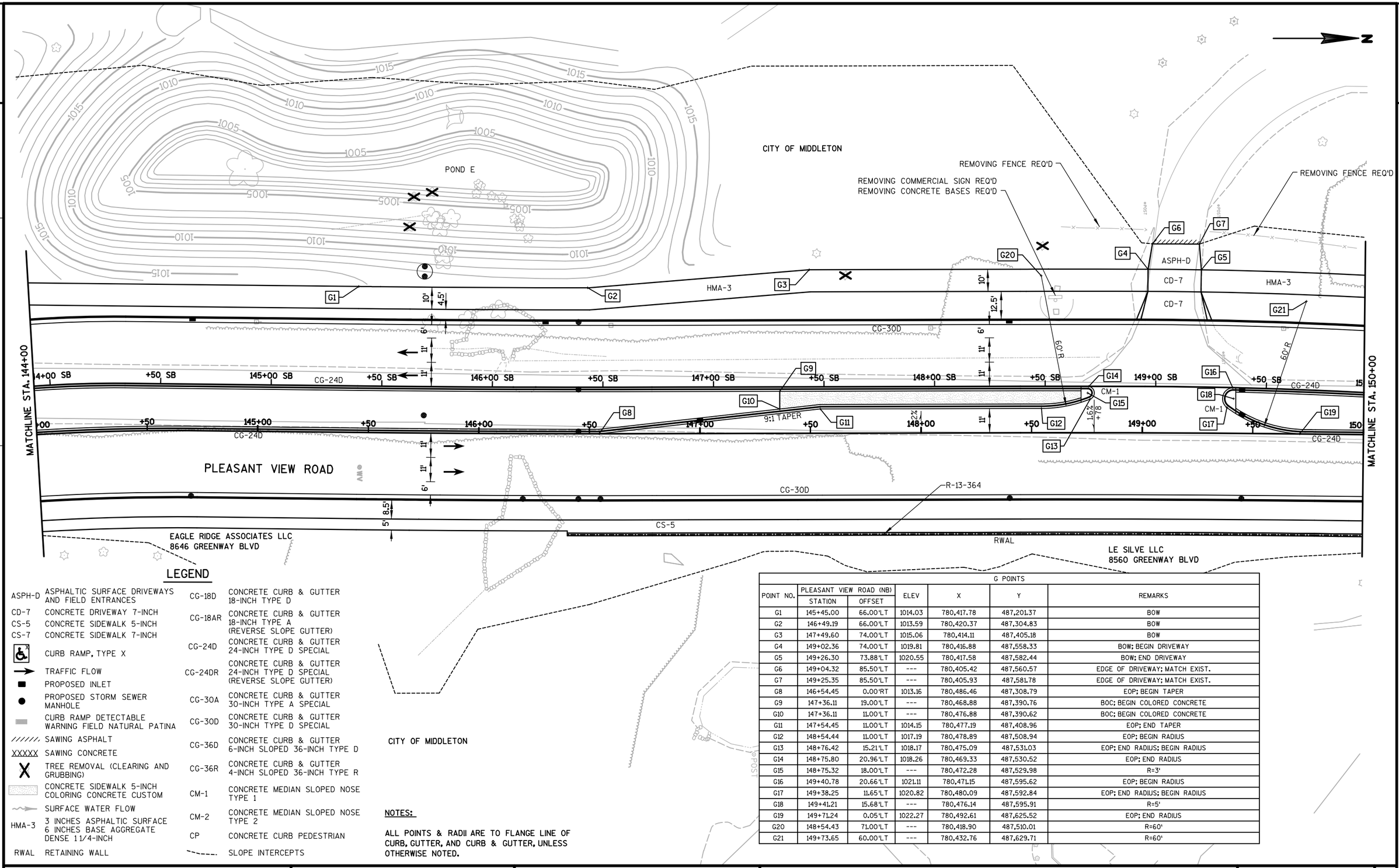
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F POINTS

POINT NO.	PLEASANT VIEW ROAD(NB) STATION	PLEASANT VIEW ROAD(NB) OFFSET	GREENWAY BLVD (G) STATION	GREENWAY BLVD (G) OFFSET	G1 STATION	G1 OFFSET	ELEV	X	Y	REMARKS
F1	138+32.51	73.19'LT	---	---	---	---	1019.13	780,395.44	486,496.94	BOW; BEGIN RADIUS
F2	138+74.22	65.31'LT	---	---	---	---	1018.71	780,399.63	486,539.18	BOW; END RADIUS; BEGIN RADIUS
F3	137+95.97	234.65'RT	---	---	---	---	---	780,705.30	486,487.56	R = 310'
F4	139+26.81	54.12'LT	---	---	---	---	1018.53	780,407.62	486,601.11	BOW; END RADIUS; BEGIN RADIUS
F5	139+28.82	856.59'LT	---	---	---	---	---	779,608.33	486,672.80	R = 802.5'
F6	139+63.73	66.84'LT	---	---	---	---	---	780,407.20	486,657.27	BOW; END RADIUS; SEE CURB RAMP DETAILS
F7	139+28.33	344.10'LT	---	---	---	---	---	780,118.78	486,627.02	R = 290'
F8	140+90.24	113.34'LT	---	---	10+37.80 G1	45.00'LT	1020.06	780,403.33	486,776.15	BOW
F9	142+04.69	78.77'LT	---	---	---	---	---	780,431.87	486,843.10	BOW; BEGIN RADIUS; SEE CURB RAMP DETAILS
F10	142+42.01	66.05'LT	---	---	---	---	1020.82	780,435.82	486,884.85	BOW; END RADIUS
F11	142+40.86	135.04'LT	---	---	---	---	---	780,368.40	486,870.16	R = 69'
F12	143+15.92	70.39'LT	---	---	---	---	1019.55	780,419.01	486,961.98	BOW; BEGIN RADIUS
F13	143+37.89	72.29'LT	---	---	---	---	1019.14	780,414.49	486,985.13	BOW; END RADIUS; BEGIN RADIUS
F14	143+68.05	71.76'LT	---	---	---	---	1018.40	780,412.20	487,017.33	BOW; END RADIUS
F15	144+10.57	477.99'RT	---	---	---	---	---	780,959.34	487,079.69	R = 553'
F16	143+50.12	87.26'RT	---	---	---	---	---	780,572.13	487,012.49	R = 160'
F17	139+10.27	41.31'LT	---	---	---	---	---	780,420.34	486,578.20	BOC; BIKE RAMP
F18	139+15.26	45.31'LT	---	---	---	---	1018.30	780,416.04	486,584.74	FOW; BIKE RAMP
F19	139+14.93	40.33'LT	---	---	---	---	---	780,421.04	486,584.42	BOC; BIKE RAMP
F20	139+19.87	44.62'LT	---	---	---	---	1018.32	780,416.70	486,591.03	FOW; BIKE RAMP
F21	142+70.78	57.05'LT	---	---	---	---	1020.23	780,439.16	486,916.47	FOW; BIKE RAMP
F22	142+77.65	57.41'LT	---	---	---	---	1020.11	780,437.62	486,923.58	FOW; BIKE RAMP
F23	142+91.54	44.42'LT	---	---	---	---	---	780,448.22	486,939.98	BOC; BIKE RAMP
F24	142+97.43	45.55'LT	---	---	---	---	---	780,446.22	486,945.90	BOC; BIKE RAMP
F25	139+00.39	9.98'LT	---	---	---	---	---	780,452.45	486,570.11	BOC; BEGIN COLORED CONCRETE
F26	138+99.64	2.00'LT	---	---	---	---	---	780,460.46	486,570.06	BOC; BEGIN COLORED CONCRETE
F27	139+90.40	42.74'LT	---	---	12+71.90 G1	25.48'LT	---	780,446.06	486,680.44	FOC; BEGIN RADIUS
F28	139+95.27	39.72'LT	---	---	12+69.82 G1	19.00'LT	---	780,452.23	486,684.08	FOC; END RADIUS
F29	139+92.24	39.58'LT	---	---	12+69.82 G1	23.00'LT	---	780,450.05	486,680.73	R= 4'; FOC
F30	141+57.23	39.36'LT	---	---	10+88.06 G1	19.00'LT	---	780,481.15	486,805.98	FOC; BEGIN RADIUS
F31	141+62.21	41.23'LT	---	---	10+86.42 G1	23.76'LT	---	780,478.18	486,810.39	FOC; END RADIUS
F32	141+60.20	39.00'LT	---	---	10+88.06 G1	22.00'LT	---	780,480.82	486,808.96	R=3'; FOC
F33	142+60.34	10.00'LT	---	---	---	---	---	780,487.36	486,913.93	BOC; END COLORED CONCRETE
F34	142+60.34	2.00'LT	---	---	---	---	---	780,495.23	486,915.35	BOC; END COLORED CONCRETE
F35	140+03.98	1.00'LT	---	---	12+42.07 G1	23.90'LT	---	780,489.06	486,668.48	FOC; BEGIN RADIUS
F36	140+06.28	5.87'LT	---	---	12+43.63 G1	19.00'LT	---	780,486.82	486,673.39	FOC; END RADIUS
F37	140+03.98	4.00'LT	---	---	12+43.63 G1	22.00'LT	---	780,486.75	486,670.39	R = 3'; FOC
F38	141+44.28	7.41'LT	---	---	11+12.97 G1	19.00'LT	---	780,515.22	486,800.73	FOC; BEGIN RADIUS
F39	141+47.48	1.00'LT	---	---	11+15.05 G1	25.48'LT	---	780,520.72	486,805.32	FOC; END RADIUS
F40	141+47.48	5.00'LT	---	---	11+12.97 G1	23.00'LT	---	780,516.83	486,804.40	R= 4'; FOC
F41	138+54.83	30.24'RT	---	---	---	---	---	780,496.51	486,528.25	BOC; BIKE RAMP
F42	138+61.06	29.72'RT	---	---	---	---	---	780,495.45	486,534.41	BOC; BIKE RAMP
F43	138+67.71	34.38'RT	---	---	---	---	1017.30	780,499.50	486,541.44	FOW; BIKE RAMP
F44	138+75.18	44.49'RT	---	---	---	---	1017.51	780,508.92	486,549.78	BOW; BIKE RAMP
F45	139+09.20	45.00'RT	---	---	---	---	1017.85	780,506.51	486,583.01	BOW
F46	140+13.04	49.11'RT	---	---	12+15.49 G1	50.94'LT	1018.70	780,541.41	486,656.92	BOW; BEGIN RADIUS
F47	140+17.44	58.92'RT	---	---	12+08.20 G1	51.74'LT	1018.66	780,554.00	486,665.39	BOW; END RADIUS
F48	140+13.04	87.22'RT	---	---	12+12.55 G1	90.28'LT	---	780,569.64	486,628.58	R = 40'
F49	---	---	50+45.94 G	51.04'RT	---	---	---	780,604.52	486,681.41	BOW; BEGIN RADIUS; SEE CURB RAMP DETAILS
F50	---	---	50+53.05 G	49.77'RT	---	---	1017.46	780,614.54	486,682.28	BOW; END RADIUS
F51	---	---	50+52.41 G	89.75'RT	---	---	---	780,612.95	486,642.31	R = 40'
F52	---	---	50+94.31 G	55.97'RT	---	---	1015.77	780,662.95	486,680.35	BOW
F53	---	---	50+82.07 G	48.92'RT	---	---	1016.23	780,649.95	486,685.87	FOW; BIKE RAMP; BEGIN CONCRETE SIDEWALK 5-INCH
F54	---	---	50+83.38 G	44.07'RT	---	---	1016.15	780,650.67	486,690.85	FOW; BIKE RAMP
F55	---	---	51+00.20 G	37.23'RT	---	---	---	780,666.53	486,699.67	BOC; BIKE RAMP
F56	140+62.98	59.70'RT	50+12.70 G	31.21'RT	11+85.74 G1	35.18'LT	---	780,565.32	486,709.51	FOC; BEGIN RADIUS
F57	140+66.98	53.96'RT	50+07.71 G	27.94'RT	11+83.79 G1	29.00'LT	---	780,560.67	486,714.72	FOC; END RADIUS
F58	140+66.58	57.94'RT	50+10.98 G	27.83'RT	11+83.79 G1	33.00'LT	---	780,564.44	486,713.41	R = 4'; FOC
F59	140+90.31	52.74'RT	50+03.39 G	5.09'RT	11+69.23 G1	29.00'LT	---	780,564.89	486,737.70	FOC; BEGIN RADIUS
F60	140+93.89	56.13'RT	50+06.09 G	1.00'RT	11+67.57 G1	33.11'LT	---	780,569.02	486,740.39	FOC; END RADIUS

F POINTS

POINT NO.	PLEASANT VIEW ROAD(NB) STATION	PLEASANT VIEW ROAD(NB) OFFSET	GREENWAY BLVD (G) STATION	GREENWAY BLVD (G) OFFSET	G1 STATION	G1 OFFSET	ELEV	X	Y	REMARKS
F61	140+90.92	55.67'RT	50+06.09 G	4.00'RT	11+69.23 G1	32.00'LT	---	780,567.89	486,737.62	R = 3'; FOC
F62	---	---	50+63.36 G	36.14'LT	---	---	1017.62	780,622.92	486,768.38	BOW; BEGIN RADIUS
F63	---	---	50+32.74 G	36.49'LT	---	---	---	780,601.30	486,769.87	BOW; END RADIUS; BEGIN RADIUS; SEE CURB RAMP DETAILS
F64	---	---	50+50.65 G	85.78'LT	---	---	---	780,615.45	486,817.82	R = 50'
F65	---	---	50+06.11 G	39.31'LT	---	---	---	780,584.28	486,777.71	BOW; END RADIUS; BEGIN RADIUS; SEE CURB RAMP DETAILS
F66	141+50.87	101.50'RT	50+69.67 G	100.00'LT	---	---	---	780,619.70	486,832.21	R = 65'
F67	141+36.33	47.46'RT	---	---	11+40.18 G1	52.30'LT	1019.90	780,571.72	486,794.83	BOW; END RADIUS
F68	141+36.33	76.80'RT	---	---	---	---	---	780,600.63	486,802.86	R =30'
F69	141+69.46	44.63'RT	---	---	---	---	---	780,560.07	486,837.21	BOW; SEE CURB RAMP DETAILS
F70	142+53.50	30.14'RT	---	---	---	---	---	780,528.06	486,914.50	BOC; BIKE RAMP
F71	142+47.36	29.40'RT	---	---	---	---	---	780,528.44	486,908.51	BOC; BIKE RAMP
F72	142+40.39	34.00'RT	---	---	---	---	1019.71	780,534.26	486,902.76	FOW; BIKE RAMP; END CONCRETE SIDEWALK 7-INCH
F73	142+40.13	39.00'RT	---	---	---	---	1019.79	780,539.22	486,903.50	FOW; BIKE RAMP
F74	139+79.13	7.71'LT	---	---	---	---	---	780,469.20	486,650.89	BOW; BEGIN RADIUS; SEE CURB RAMP DETAILS
F75	139+77.82	13.73'LT	---	---	---	---	---	780,463.21	486,652.44	BOW; END RADIUS; SEE CURB RAMP DETAILS
F76	139+69.82	8.84'LT	---	---	---	---	---	780,463.82	486,642.46	R = 10'
F77	141+71.52	11.00'LT	---	---	---	---	---	780,505.46	486,826.41	BOW; BEGIN RADIUS; SEE CURB RAMP DETAILS
F78	141+73.15	16.90'LT	---	---	---	---	---	780,499.34	486,826.64	BOW; END RADIUS; SEE CURB RAMP DETAILS
F79	141+81.51	11.42'LT	---	---	---	---	---	780,502.76	486,836.04	R = 10'
F80	---	---	50+29.74 G	16.02'RT	---	---	---	780,588.84	486,718.79	BOW; BEGIN RADIUS; SEE CURB RAMP DETAILS
F81	---	---	50+28.82 G	10.38'RT	---	---	---	780,588.98	486,724.51	BOW; END RADIUS; SEE CURB RAMP DETAILS
F82	---	---	50+37.91 G	11.82'RT	---	---	---	780,598.49	486,721.42	R = 10'



LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18AR	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE GUTTER)
CS-5	CONCRETE SIDEWALK 5-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	CURB RAMP, TYPE X	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	TRAFFIC FLOW	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	PROPOSED INLET	CG-36D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
	PROPOSED STORM SEWER MANHOLE	CG-36R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CM-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
	SAWING ASPHALT	CM-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
	SAWING CONCRETE	CP	CONCRETE CURB PEDESTRIAN
	TREE REMOVAL (CLEARING AND GRUBBING)		SLOPE INTERCEPTS
	CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM		
	SURFACE WATER FLOW		
HMA-3	3 INCHES ASPHALTIC SURFACE 6 INCHES BASE AGGREGATE DENSE 1 1/4-INCH		
RWAL	RETAINING WALL		

CITY OF MIDDLETON

NOTES:

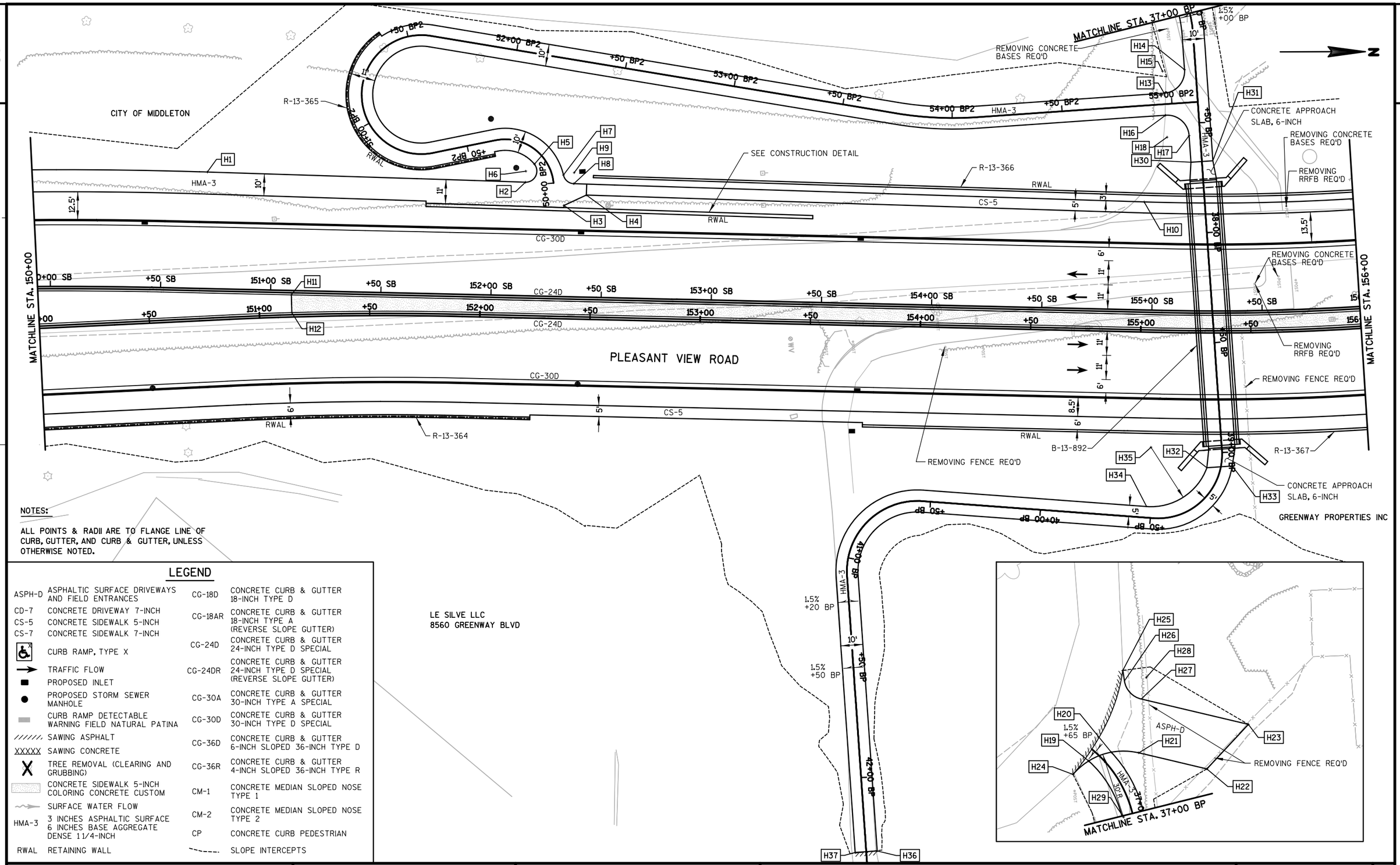
ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

G POINTS

POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV	X	Y	REMARKS
G1	145+45.00	66.00'LT	1014.03	780,417.78	487,201.37	BOW
G2	146+49.19	66.00'LT	1013.59	780,420.37	487,304.83	BOW
G3	147+49.60	74.00'LT	1015.06	780,414.11	487,405.18	BOW
G4	149+02.36	74.00'LT	1019.81	780,416.88	487,558.33	BOW; BEGIN DRIVEWAY
G5	149+26.30	73.88'LT	1020.55	780,417.58	487,582.44	BOW; END DRIVEWAY
G6	149+04.32	85.50'LT	---	780,405.42	487,560.57	EDGE OF DRIVEWAY; MATCH EXIST.
G7	149+25.35	85.50'LT	---	780,405.93	487,581.78	EDGE OF DRIVEWAY; MATCH EXIST.
G8	146+54.45	0.00'RT	1013.16	780,486.46	487,308.79	EOP; BEGIN TAPER
G9	147+36.11	19.00'LT	---	780,468.88	487,390.76	BOC; BEGIN COLORED CONCRETE
G10	147+36.11	11.00'LT	---	780,476.88	487,390.62	BOC; BEGIN COLORED CONCRETE
G11	147+54.45	11.00'LT	1014.15	780,477.19	487,408.96	EOP; END TAPER
G12	148+54.44	11.00'LT	1017.19	780,478.89	487,508.94	EOP; BEGIN RADIUS
G13	148+76.42	15.21'LT	1018.17	780,475.09	487,531.03	EOP; END RADIUS; BEGIN RADIUS
G14	148+75.80	20.96'LT	1018.26	780,469.33	487,530.52	EOP; END RADIUS
G15	148+75.32	18.00'LT	---	780,472.28	487,529.98	R=3'
G16	149+40.78	20.66'LT	1021.11	780,471.15	487,595.62	EOP; BEGIN RADIUS
G17	149+38.25	11.65'LT	1020.82	780,480.09	487,592.84	EOP; END RADIUS; BEGIN RADIUS
G18	149+41.21	15.68'LT	---	780,476.14	487,595.91	R=5'
G19	149+71.24	0.05'LT	1022.27	780,492.61	487,625.52	EOP; END RADIUS
G20	148+54.43	71.00'LT	---	780,418.90	487,510.01	R=60'
G21	149+73.65	60.00'LT	---	780,432.76	487,629.71	R=60'

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN DETAILS - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\021207_pd.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



NOTES:

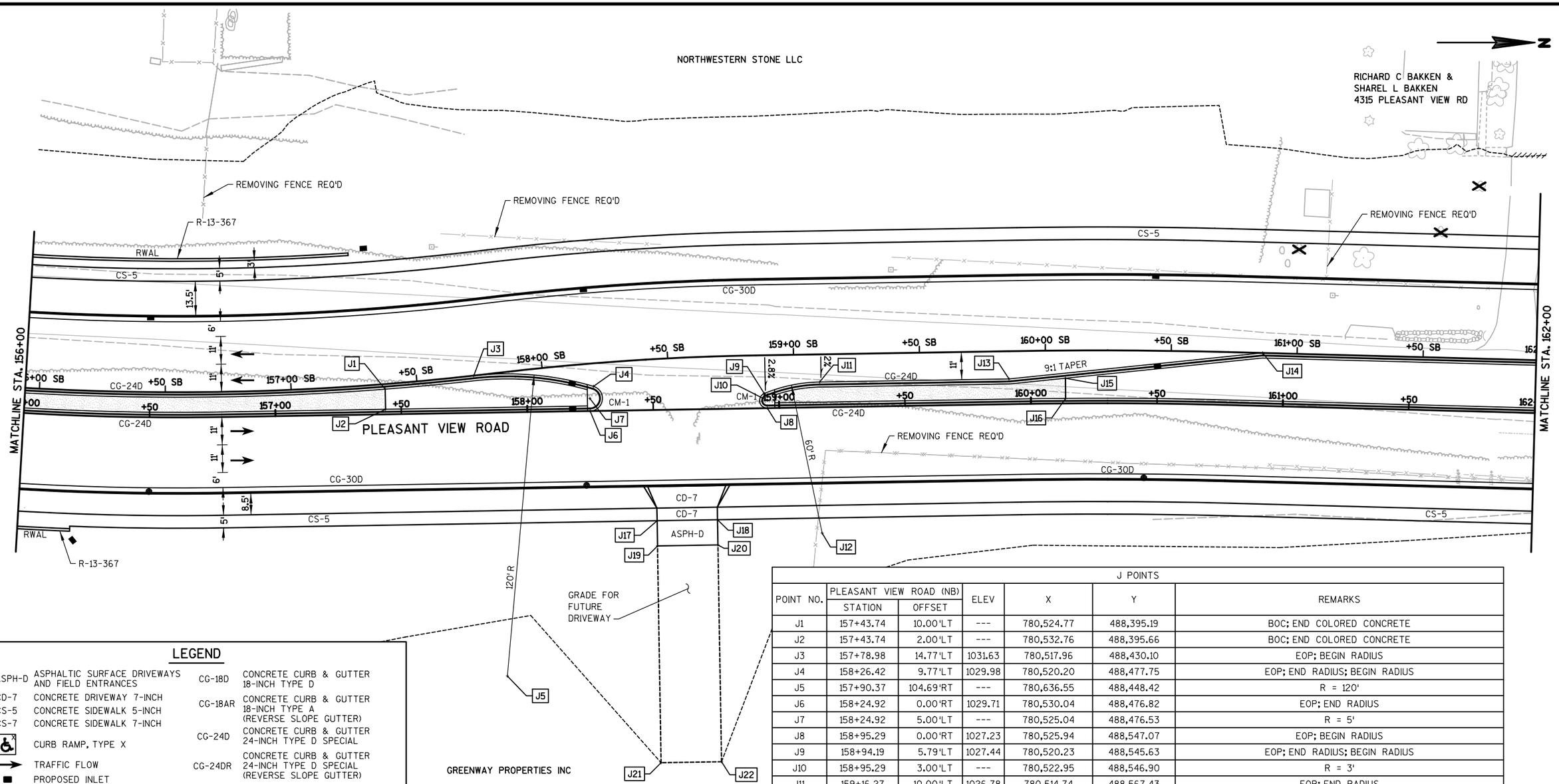
ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18AR	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE GUTTER)
CS-5	CONCRETE SIDEWALK 5-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	CURB RAMP, TYPE X	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	TRAFFIC FLOW	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	PROPOSED INLET	CG-36D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
	PROPOSED STORM SEWER MANHOLE	CG-36R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CM-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
	SAWING ASPHALT	CM-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
XXXXX	SAWING CONCRETE	CP	CONCRETE CURB PEDESTRIAN
	TREE REMOVAL (CLEARING AND GRUBBING)		SLOPE INTERCEPTS
	CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM		
	SURFACE WATER FLOW		
HMA-3	3 INCHES ASPHALTIC SURFACE 6 INCHES BASE AGGREGATE DENSE 1 1/4-INCH		
RWAL	RETAINING WALL		

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN DETAILS - PLEASANT VIEW ROAD	SHEET 79	E

H POINTS								
POINT NO.	PLEASANT VIEW ROAD (NB)		BP		ELEV	X	Y	REMARKS
	STATION	OFFSET	STATION	OFFSET				
H1	150+79.50	67.28'LT	---	---	1028.51	780,428.68	487,735.76	BOW
H2	152+19.31	61.60'LT	---	---	1035.70	780,444.51	487,879.34	BOW; BEGIN RADIUS
H3	152+36.99	51.44'LT	---	---	1036.22	780,456.40	487,895.91	FOW
H4	152+47.04	56.35'LT	---	---	1036.51	780,452.52	487,906.39	FOW; BEGIN CONCRETE SIDEWALK
H5	152+23.17	69.83'LT	---	---	1036.29	780,436.70	487,884.00	BOW; END RADIUS
H6	152+19.36	66.60'LT	---	---	---	780,439.54	487,879.88	R = 5'
H7	152+36.44	65.22'LT	---	---	1036.24	780,442.63	487,896.74	BOW; BEGIN RADIUS
H8	152+41.25	61.40'LT	---	---	1036.41	780,446.91	487,901.15	BOW; END RADIUS
H9	152+41.30	66.40'LT	---	---	---	780,441.94	487,901.69	R= 5'
H10	155+00.20	59.04'LT	---	---	1035.90	780,475.28	488,158.55	BOW; BEGIN RADIUS
H11	151+14.73	10.00'LT	---	---	---	780,487.28	487,769.42	BOC; BEGIN COLORED CONCRETE
H12	151+14.73	2.00'LT	---	---	---	780,495.27	487,769.03	BOC; BEGIN COLORED CONCRETE
H13	155+08.10	108.55'LT	37+35.50 BP	15.00'RT	1060.08	780,426.82	488,171.38	BOW; BEGIN RADIUS
H14	155+18.12	119.39'LT	37+25.50 BP	5.00'RT	1061.23	780,416.91	488,181.47	BOW; END RADIUS
H15	155+07.18	118.50'LT	37+25.50 BP	15.00'RT	---	780,416.82	488,171.47	R = 10'
H16	155+09.02	98.59'LT	37+45.50 BP	15.00'RT	1059.93	780,436.82	488,171.29	BOW; BEGIN RADIUS
H17	155+20.86	89.50'LT	37+55.50 BP	5.00'RT	1060.03	780,446.90	488,181.20	BOW; END RADIUS
H18	155+09.99	88.63'LT	37+55.50 BP	15.00'RT	---	780,446.82	488,171.20	R= 10'
H19	154+98.52	168.50'LT	36+67.41 BP	5.00'RT	1065.04	780,366.20	488,167.87	EDGE OF DRIVEWAY; END PATH
H20	155+08.64	172.71'LT	36+71.93 BP	5.00'LT	1064.86	780,363.03	488,178.37	EDGE OF DRIVEWAY; END PATH
H21	155+23.39	172.64'LT	36+78.88 BP	14.45'LT	1064.48	780,364.28	488,190.78	EDGE OF DRIVEWAY; END RADIUS
H22	155+60.09	165.10'LT	36+93.25 BP	38.34'LT	---	780,373.97	488,221.06	MATCH EXISTING
H23	155+83.48	184.62'LT	36+87.64 BP	63.81'LT	---	780,355.29	488,241.42	MATCH EXISTING
H24	154+91.55	162.21'LT	36+65.82 BP	14.30'RT	---	780,371.76	488,160.31	BEGIN RADIUS; MATCH EXISTING
H25	155+13.97	209.94'LT	---	---	---	780,326.43	488,186.51	MATCH EXISTING
H26	155+14.98	205.18'LT	---	---	---	780,331.24	488,186.86	BEGIN RADIUS
H27	155+24.46	197.04'LT	36+66.69 BP	31.81'LT	1065.93	780,340.04	488,193.79	EDGE OF DRIVEWAY; END RADIUS
H28	155+27.21	206.79'LT	---	---	---	780,330.52	488,196.83	R= 10'
H29	155+15.75	143.35'LT	37+00.70 BP	4.37'RT	---	780,392.85	488,181.64	R=30'
H30	155+21.92	77.43'LT	37+67.61 BP	5.00'RT	1059.54	780,459.01	488,181.10	BEGIN CONCRETE APPROACH SLAB, 6-INCH
H31	155+32.67	78.18'LT	37+67.61 BP	5.00'LT	1059.54	780,459.10	488,191.10	BEGIN CONCRETE APPROACH SLAB, 6-INCH
H32	155+30.20	61.19'RT	39+08.64 BP	6.07'RT	1053.88	780,597.82	488,177.52	END CONCRETE APPROACH SLAB, 6-INCH; BEGIN RADIUS
H33	155+41.06	60.41'RT	39+05.38 BP	5.00'LT	1054.03	780,597.92	488,189.02	END CONCRETE APPROACH SLAB, 6-INCH
H34	155+04.47	79.20'RT	39+52.01 BP	5.00'RT	1051.83	780,613.25	488,148.91	BOW; END RADIUS
H35	155+05.84	52.23'RT	38+95.40 BP	32.00'RT	---	780,586.56	488,152.98	R=27'
H36	153+85.78	238.24'RT	42+33.71 BP	5.00'LT	---	780,759.56	488,014.83	MATCH EXISTING
H37	153+75.82	239.16'RT	42+33.71 BP	5.00'RT	---	780,759.47	488,004.83	MATCH EXISTING



LEGEND

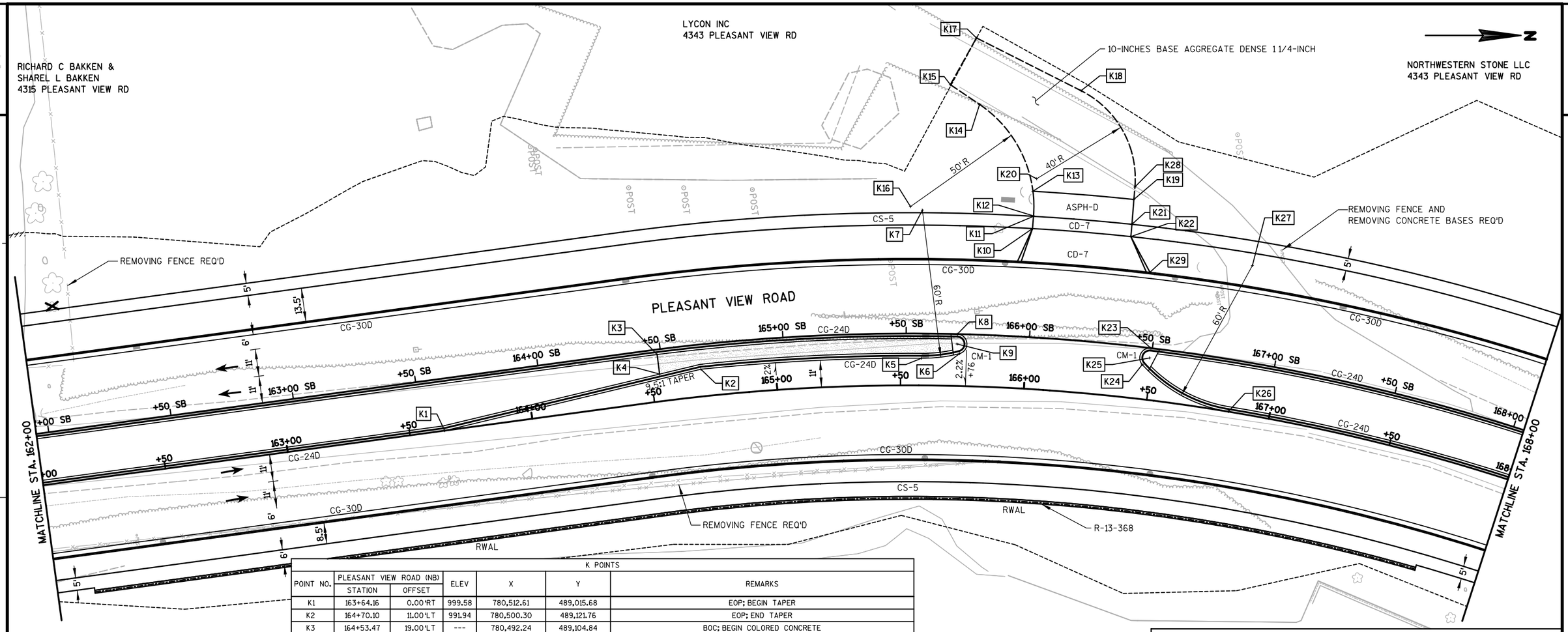
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18AR	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE GUTTER)
CS-5	CONCRETE SIDEWALK 5-INCH		
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
	CURB RAMP, TYPE X	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	TRAFFIC FLOW		
	PROPOSED INLET	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	PROPOSED STORM SEWER MANHOLE	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-36D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
	SAWING ASPHALT	CG-36R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
XXXXX	SAWING CONCRETE	CM-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
X	TREE REMOVAL (CLEARING AND GRUBBING)	CM-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
	CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM	CP	CONCRETE CURB PEDESTRIAN
	SURFACE WATER FLOW		SLOPE INTERCEPTS
HMA-3	3 INCHES ASPHALTIC SURFACE 6 INCHES BASE AGGREGATE DENSE 1 1/4-INCH		
RWAL	RETAINING WALL		

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

J POINTS

POINT NO.	PLEASANT VIEW ROAD (NB) STATION	PLEASANT VIEW ROAD (NB) OFFSET	ELEV	X	Y	REMARKS
J1	157+43.74	10.00'LT	---	780,524.77	488,395.19	BOC; END COLORED CONCRETE
J2	157+43.74	2.00'LT	---	780,532.76	488,395.66	BOC; END COLORED CONCRETE
J3	157+78.98	14.77'LT	1031.63	780,517.96	488,430.10	EOP; BEGIN RADIUS
J4	158+26.42	9.77'LT	1029.98	780,520.20	488,477.75	EOP; END RADIUS; BEGIN RADIUS
J5	157+90.37	104.69'RT	---	780,636.55	488,448.42	R = 120'
J6	158+24.92	0.00'RT	1029.71	780,530.04	488,476.82	EOP; END RADIUS
J7	158+24.92	5.00'LT	---	780,525.04	488,476.53	R = 5'
J8	158+95.29	0.00'RT	1027.23	780,525.94	488,547.07	EOP; BEGIN RADIUS
J9	158+94.19	5.79'LT	1027.44	780,520.23	488,545.63	EOP; END RADIUS; BEGIN RADIUS
J10	158+95.29	3.00'LT	---	780,522.95	488,546.90	R = 3'
J11	159+16.27	10.00'LT	1026.78	780,514.74	488,567.43	EOP; END RADIUS
J12	159+16.27	50.00'RT	---	780,574.64	488,570.92	R = 60'
J13	159+91.44	10.00'LT	1023.49	780,510.37	488,642.48	EOP; BEGIN TAPER
J14	160+91.44	21.00'LT	1018.46	780,495.87	488,742.66	EOP; END TAPER
J15	160+13.75	10.00'LT	---	780,509.15	488,664.85	BOC; END COLORED CONCRETE
J16	160+13.75	2.00'LT	---	780,517.14	488,665.24	BOC; END COLORED CONCRETE
J17	158+50.82	44.00'RT	1028.98	780,572.45	488,505.23	BOW; BEGIN DRIVEWAY
J18	158+74.82	44.00'RT	1028.13	780,571.06	488,529.19	BOW; END DRIVEWAY
J19	158+50.82	54.00'RT	1029.98	780,582.44	488,505.81	EDGE OF DRIVEWAY; END ASPHALTIC SURFACE DRIVEWAY
J20	158+74.82	54.00'RT	1029.13	780,581.04	488,529.77	EDGE OF DRIVEWAY; END ASPHALTIC SURFACE DRIVEWAY
J21	158+50.82	140.08'RT	---	780,668.37	488,510.82	MATCH EXIST.
J22	158+74.82	140.08'RT	---	780,666.98	488,534.78	MATCH EXIST.



K POINTS

POINT NO.	PLEASANT VIEW ROAD (NB) STATION	PLEASANT VIEW ROAD (NB) OFFSET	ELEV	X	Y	REMARKS
K1	163+64.16	0.00'RT	999.58	780,512.61	489,015.68	EOP; BEGIN TAPER
K2	164+70.10	11.00'LT	991.94	780,500.30	489,121.76	EOP; END TAPER
K3	164+53.47	19.00'LT	---	780,492.24	489,104.84	BOC; BEGIN COLORED CONCRETE
K4	164+53.47	11.00'LT	---	780,500.24	489,104.90	BOC; BEGIN COLORED CONCRETE
K5	165+58.42	11.00'LT	986.12	780,506.54	489,211.04	EOP; BEGIN RADIUS
K6	165+73.55	13.15'LT	985.19	780,506.48	489,226.55	EOP; END RADIUS; BEGIN RADIUS
K7	165+58.42	71.00'LT	---	780,447.01	489,218.56	R = 60'
K8	165+72.47	21.00'LT	985.47	780,498.56	489,226.59	EOP; END RADIUS
K9	165+72.47	17.00'LT	---	780,502.52	489,226.02	R = 4'
K10	165+99.68	65.00'LT	983.16	780,459.72	489,261.95	FOW; CONCRETE DRIVEWAY
K11	165+99.78	70.00'LT	983.21	780,454.82	489,262.95	BOW; BEGIN DRIVEWAY
K12	165+99.78	70.13'LT	983.21	780,454.69	489,262.97	EDGE OF DRIVEWAY; BEGIN RADIUS
K13	165+99.04	80.09'LT	983.40	780,444.75	489,263.93	EDGE OF DRIVEWAY; BEGIN BASE AGGREGATE DENSE 1 1/4-INCH
K14	165+78.42	114.32'LT	983.28	780,407.20	489,246.68	EDGE OF DRIVEWAY; END RADIUS
K15	165+67.94	122.03'LT	---	780,397.83	489,235.87	MATCH EXIST.
K16	165+53.97	72.45'LT	---	780,444.98	489,213.93	R= 50'
K17	165+76.60	141.21'LT	---	780,380.30	489,248.60	MATCH EXIST.
K18	166+13.86	122.08'LT	982.05	780,406.58	489,288.14	EDGE OF DRIVEWAY; END RADIUS
K19	166+36.31	80.09'LT	980.78	780,452.93	489,304.16	EDGE OF DRIVEWAY; BEGIN BASE AGGREGATE DENSE 1 1/4-INCH
K20	166+00.10	85.23'LT	---	780,439.89	489,265.99	R =40'
K21	166+36.53	70.00'LT	980.54	780,462.82	489,302.14	BOW; END DRIVEWAY
K22	166+36.64	65.00'LT	980.49	780,467.72	489,301.14	FOW; CONCRETE DRIVEWAY
K23	166+49.09	21.00'LT	979.96	780,513.56	489,303.77	EOP; BEGIN RADIUS
K24	166+46.50	13.99'LT	980.03	780,519.75	489,299.54	EOP; END RADIUS; BEGIN RADIUS
K25	166+49.09	17.00'LT	---	780,517.44	489,302.82	R = 4'
K26	166+83.31	0.00'RT	977.24	780,542.82	489,331.82	EOP; END RADIUS
K27	166+83.31	60.00'LT	---	780,485.22	489,348.62	R = 60'
K28	166+36.21	85.23'LT	980.91	780,447.89	489,305.18	EDGE OF DRIVEWAY; BEGIN RADIUS
K29	166+45.24	51.50'LT	---	780,482.97	489,307.05	BOC; FLARE LIMITS

RESEARCH WAY LL LLC
8551 RESEARCH WAY

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18AR	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE GUTTER)
CS-5	CONCRETE SIDEWALK 5-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	CURB RAMP, TYPE X	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	TRAFFIC FLOW	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	PROPOSED INLET	CG-36D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
	PROPOSED STORM SEWER MANHOLE	CG-36R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CM-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
	SAWING ASPHALT	CM-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
XXXXX	SAWING CONCRETE	CP	CONCRETE CURB PEDESTRIAN
	TREE REMOVAL (CLEARING AND GRUBBING)		
	CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM		
	SURFACE WATER FLOW		
HMA-3	3 INCHES ASPHALTIC SURFACE 6 INCHES BASE AGGREGATE DENSE 1 1/4-INCH		
RWAL	RETAINING WALL		SLOPE INTERCEPTS

PROJECT NO: 5992-11-01 | HWY: PLEASANT VIEW ROAD | COUNTY: DANE | PLAN DETAILS - PLEASANT VIEW ROAD | SHEET 82 E

LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18AR	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE GUTTER)
CS-5	CONCRETE SIDEWALK 5-INCH		
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
	CURB RAMP, TYPE X	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	TRAFFIC FLOW		
	PROPOSED INLET	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	PROPOSED STORM SEWER MANHOLE	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-36D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
	SAWING ASPHALT	CG-36R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
XXXXX	SAWING CONCRETE	CM-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
X	TREE REMOVAL (CLEARING AND GRUBBING)	CM-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
	CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM	CP	CONCRETE CURB PEDESTRIAN
	SURFACE WATER FLOW		SLOPE INTERCEPTS
HMA-3	3 INCHES ASPHALTIC SURFACE 6 INCHES BASE AGGREGATE DENSE 1 1/4-INCH		
RWAL	RETAINING WALL		

NORTHWESTERN STONE LLC
4343 PLEASANT VIEW RD

SEE CONSTRUCTION DETAIL

NORTHWESTERN STONE LLC
4343 PLEASANT VIEW RD

RESEARCH WAY LL LLC
8551 RESEARCH WAY

MIDDLETON FARMERS CO-OP CO
1755 PLEASANT VIEW RD

REMOVING FENCE REQ'D

SEE CONSTRUCTION DETAIL

USE CAUTION ADJACENT TO CNG FACILITY

PLEASANT VIEW ROAD

QUARRY ROAD

MATCHLINE STA. 168+00

MATCHLINE STA. 174+00

MATCHLINE STA. 50+50 Q

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

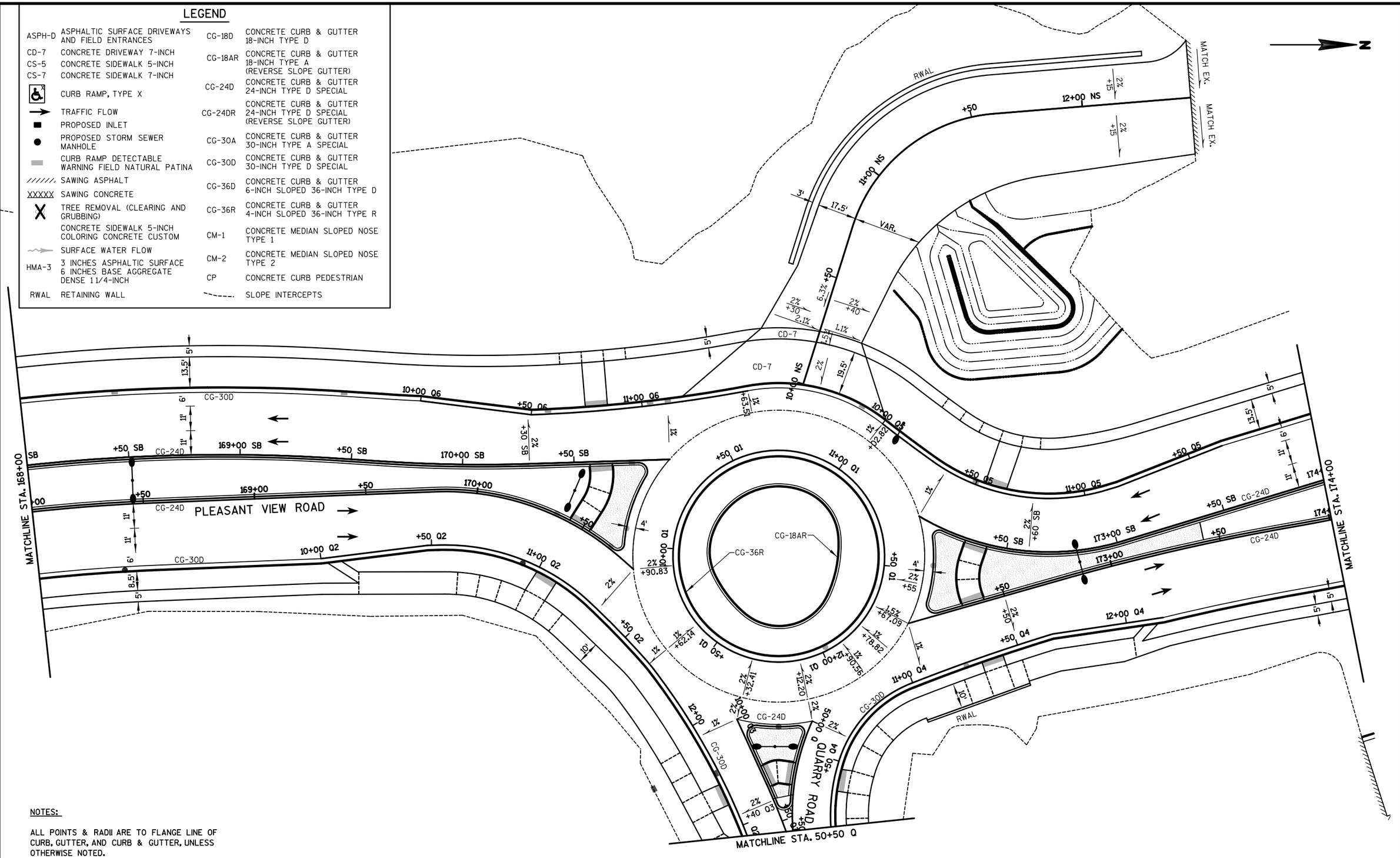
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN DETAILS - PLEASANT VIEW ROAD	SHEET 83	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\021211_pd.dgn PLOT DATE : 7/20/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18AR	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE GUTTER)
CS-5	CONCRETE SIDEWALK 5-INCH		
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
	CURB RAMP, TYPE X	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	TRAFFIC FLOW		
	PROPOSED INLET	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	PROPOSED STORM SEWER MANHOLE	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-36D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
//////	SAWING ASPHALT	CG-36R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
XXXXX	SAWING CONCRETE	CM-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
X	TREE REMOVAL (CLEARING AND GRUBBING)	CM-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
	CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM	CP	CONCRETE CURB PEDESTRIAN
	SURFACE WATER FLOW	------	SLOPE INTERCEPTS
HMA-3	3 INCHES ASPHALTIC SURFACE 6 INCHES BASE AGGREGATE DENSE 1 1/4-INCH		
RWAL	RETAINING WALL		



NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN DETAILS - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\021211a_pd.dgn PLOT DATE : 7/21/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

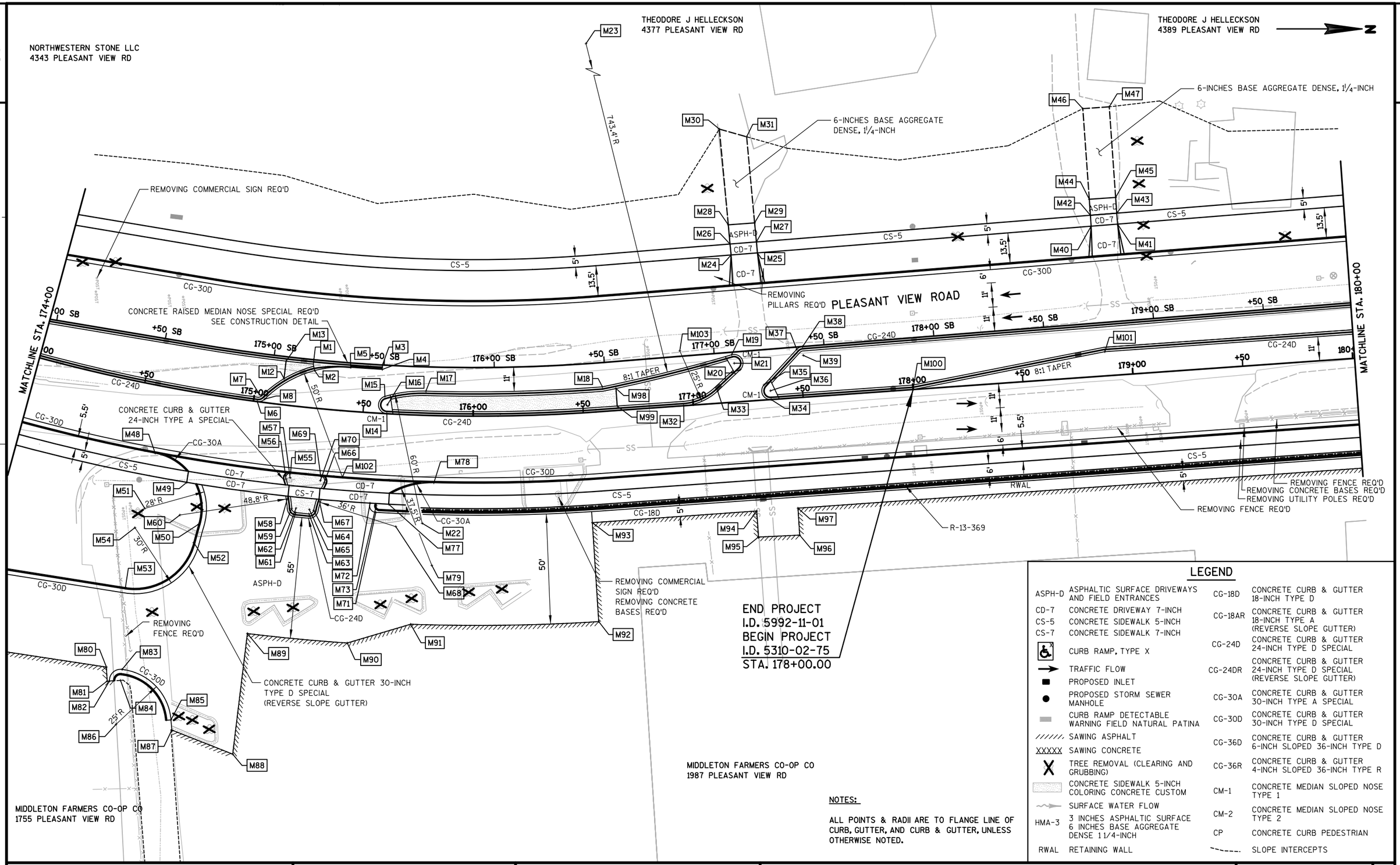
2

L POINTS

POINT NO.	PLEASANT VIEW ROAD(NB) STATION	PLEASANT VIEW ROAD(NB) OFFSET	QUARRY ROAD (Q) STATION	QUARRY ROAD (Q) OFFSET	Q1 STATION	Q1 OFFSET	ELEV	X	Y	REMARKS
L1	169+63.06	63.30'LT	---	---	---	---	962.46	780,604.66	489,615.32	BOW
L2	169+62.53	58.32'LT	---	---	---	---	962.39	780,608.77	489,612.47	FOW
L5	171+09.21	110.11'LT	---	---	10+64.08 Q1	45.16'LT	959.13	780,682.76	489,755.26	FOW; BEGIN DRIVEWAY
L6	171+14.69	117.10'LT	---	---	10+67.57 Q1	55.00'LT	959.21	780,681.24	489,764.01	BOW; BEGIN DRIVEWAY
L7	170+54.98	74.98'LT	---	---	10+45.66 Q1	36.32'LT	---	780,689.13	489,718.36	BOC; BEGIN DRIVEWAY
L8	171+77.53	87.91'LT	---	---	11+02.81 Q1	30.50'LT	---	780,745.03	489,791.07	BOC; END DRIVEWAY
L9	171+63.36	113.54'LT	---	---	10+90.87 Q1	45.00'LT	958.74	780,716.52	489,797.74	FOW; END DRIVEWAY
L10	171+60.19	119.27'LT	---	---	10+88.86 Q1	55.00'LT	958.89	780,710.14	489,799.23	BOW; END DRIVEWAY
L11	171+40.75	120.85'LT	---	---	10+79.81 Q1	55.00'LT	959.07	780,695.93	489,785.86	BOW; "NS" ALIGNMENT STA. 10+24.75
L12	171+25.28	147.95'LT	---	---	---	---	961.00	780,665.46	489,792.55	EDGE OF DRIVEWAY
L13	171+67.72	147.08'LT	---	---	---	---	960.41	780,694.55	489,823.46	EDGE OF DRIVEWAY; BEGIN RADIUS
L14	171+46.11	169.92'LT	---	---	---	---	962.16	780,663.12	489,822.73	"NS" ALIGNMENT; BEGIN RADIUS
L15	173+11.37	177.42'LT	---	---	---	---	968.16	780,687.26	489,906.99	EDGE OF DRIVEWAY; END RADIUS
L16	173+03.07	87.91'LT	---	---	---	---	---	780,770.24	489,872.15	R = 90'
L17	172+99.72	209.80'LT	---	---	---	---	967.56	780,652.26	489,903.03	"NS" ALIGNMENT; END RADIUS
L18	172+88.74	138.45'LT	---	---	---	---	---	780,717.27	489,870.93	R = 72.5'
L19	173+73.01	197.67'LT	---	---	---	---	---	780,691.53	489,982.55	"NS" ALIGNMENT STA. 12+48.76; MATCH EXIST.
L20	173+70.82	172.44'LT	---	---	---	---	---	780,714.26	489,971.32	EDGE OF DRIVEWAY; MATCH EXIST.
L21	173+75.16	223.37'LT	---	---	---	---	---	780,668.37	489,993.98	EDGE OF DRIVEWAY; MATCH EXIST.
L22	173+59.95	216.97'LT	---	---	---	---	975.08	780,668.00	489,974.44	EDGE OF DRIVEWAY; BEGIN RADIUS
L23	173+62.07	239.77'LT	---	---	---	---	---	780,647.42	489,984.60	R = 23'
L24	173+25.63	59.84'LT	---	---	---	---	955.98	780,804.20	489,886.97	BOW; END RADIUS
L25	173+25.94	54.85'LT	---	---	---	---	955.91	780,809.05	489,885.75	FOW
L29	170+54.78	38.89'LT	---	---	10+24.51 Q1	28.25'LT	---	780,704.54	489,685.73	FOC; BEGIN RADIUS
L30	170+59.62	35.90'LT	---	---	10+22.41 Q1	22.00'LT	---	780,711.57	489,685.65	FOC; END RADIUS
L31	170+56.55	35.63'LT	---	---	10+22.41 Q1	26.00'LT	---	780,708.03	489,683.78	R = 4' FOC
L32	172+26.10	34.09'LT	---	---	11+40.12 Q1	22.00'LT	---	780,801.26	489,781.71	FOC; BEGIN RADIUS
L33	172+31.01	35.90'LT	---	---	11+38.49 Q1	26.62'LT	---	780,800.79	489,786.93	FOC; END RADIUS
L34	172+29.06	33.62'LT	---	---	11+40.12 Q1	25.00'LT	---	780,802.48	489,784.45	R = 3'; FOC
L35	173+42.78	10.01'LT	---	---	---	---	---	780,857.08	489,888.16	BOC; END COLORED CONCRETE
L36	173+42.78	2.00'LT	---	---	---	---	---	780,864.66	489,885.58	BOC; END COLORED CONCRETE
L37	169+31.88	30.24'RT	---	---	---	---	---	780,671.77	489,543.09	BOC; BIKE RAMP
L38	169+38.09	29.71'RT	---	---	---	---	---	780,674.29	489,548.80	BOC; BIKE RAMP
L39	169+45.27	39.62'RT	---	---	---	---	962.18	780,686.42	489,550.34	FOW; BIKE RAMP
L40	169+45.09	34.61'RT	---	---	---	---	962.10	780,681.94	489,552.59	FOW; BIKE RAMP
L41	170+66.68	1.00'LT	---	---	12+97.14 Q1	26.75'LT	---	780,732.06	489,656.27	FOC; BEGIN RADIUS
L42	170+69.04	5.73'LT	---	---	10+00.26 Q1	22.00'LT	---	780,732.76	489,661.54	FOC; END RADIUS
L43	170+66.68	4.00'LT	---	---	10+00.26 Q1	25.00'LT	---	780,731.03	489,659.09	R = 3'; FOC
L44	172+15.79	7.18'LT	---	---	11+59.97 Q1	22.00'LT	---	780,824.58	489,764.77	FOC; BEGIN RADIUS
L45	172+19.14	1.00'LT	---	---	11+62.07 Q1	28.25'LT	---	780,831.41	489,766.41	FOC; END RADIUS
L46	172+19.14	5.00'LT	---	---	11+59.97 Q1	26.00'LT	---	780,827.55	489,767.45	R = 4'; FOC
L47	169+28.68	44.00'RT	---	---	---	---	962.92	780,682.31	489,533.68	BOW
L48	169+85.35	46.00'RT	---	---	---	---	961.02	780,710.47	489,580.92	BOW; BEGIN RADIUS
L49	170+74.58	46.06'RT	---	---	---	---	958.73	780,753.89	489,613.94	BOW; END RADIUS
L50	170+79.34	52.73'RT	---	---	---	---	958.40	780,781.12	489,621.40	BOW
L51	171+15.45	91.67'RT	50+34.48 Q	54.16'RT	---	---	---	780,836.65	489,624.61	BOW; SEE CURB RAMP DETAILS
L52	171+38.61	111.36'RT	50+50.96 Q	35.20'RT	---	---	---	780,866.79	489,628.59	FOW; BIKE RAMP; SEE CURB RAMP DETAILS
L53	171+42.08	108.55'RT	50+49.62 Q	31.11'RT	---	---	---	780,867.03	489,633.05	FOW; BIKE RAMP; SEE CURB RAMP DETAILS
L54	171+44.40	64.29'RT	50+15.15 Q	24.63'RT	12+28.46 Q1	35.18'LT	---	780,835.75	489,664.45	FOC; BEGIN RADIUS
L55	171+47.38	57.96'RT	50+09.80 Q	22.34'RT	12+26.51 Q1	29.00'LT	---	780,833.05	489,670.90	FOC; END RADIUS

L POINTS

POINT NO.	PLEASANT VIEW ROAD(NB) STATION	PLEASANT VIEW ROAD(NB) OFFSET	QUARRY ROAD (Q) STATION	QUARRY ROAD (Q) OFFSET	Q1 STATION	Q1 OFFSET	ELEV	X	Y	REMARKS
L56	171+47.65	61.95'RT	50+13.02 Q	21.60'RT	12+26.51 Q1	33.00'LT	---	780,836.19	489,668.42	R = 4'; FOC
L57	171+62.36	91.25'RT	50+39.01 Q	7.62'RT	---	---	956.12	780,867.79	489,659.69	EOP; BEGIN RADIUS
L58	171+69.64	88.46'RT	50+37.40 Q	0.00'RT	---	---	956.03	780,870.60	489,666.97	EOP; END RADIUS
L59	171+65.68	89.02'RT	50+37.40 Q	4.00'RT	---	---	---	780,868.36	489,663.65	R = 4'
L60	171+65.09	54.64'RT	50+04.43 Q	5.38'RT	12+15.29 Q1	29.00'LT	---	780,842.46	489,686.27	FOC; BEGIN RADIUS
L61	171+68.95	57.98'RT	50+06.97 Q	1.00'RT	12+13.71 Q1	33.39'LT	---	780,847.53	489,686.89	FOC; END RADIUS
L62	171+65.99	57.50'RT	50+06.97 Q	4.00'RT	12+15.29 Q1	32.00'LT	---	780,845.18	489,685.01	R = 3'; FOC
L63	173+01.48	33.55'RT	---	---	---	---	955.86	780,886.23	489,836.07	FOW; BIKE RAMP; END CONCRETE SIDEWALK 7-INCH
L64	173+07.43	29.62'RT	---	---	---	---	---	780,884.11	489,842.71	BOC; BIKE RAMP
L65	173+13.78	30.22'RT	---	---	---	---	---	780,886.48	489,848.44	BOC; BIKE RAMP
L66	173+05.11	36.00'RT	---	---	---	---	955.94	780,889.57	489,838.73	FOW; BIKE RAMP
L67	172+94.52	42.88'RT	---	---	---	---	956.13	780,893.30	489,827.03	BOW
L68	173+17.05	41.00'RT	---	---	---	---	955.61	780,897.72	489,848.26	BOW
L69	---	---	---	---	10+10.32 Q1	15.00'RT	958.51	780,749.01	489,696.26	EDGE OF TRUCK APRON; BEGIN RADIUS; END RADIUS
L70	---	---	---	---	10+90.71 Q1	15.00'RT	958.49	780,754.05	489,744.67	EDGE OF TRUCK APRON; BEGIN RADIUS; END RADIUS
L71	---	---	---	---	12+86.13 Q1	47.50'RT	---	780,772.96	489,718.24	R= 32.5'
L72	---	---	---	---	11+32.16 Q1	18.35'RT	957.82	780,780.22	489,746.47	EDGE OF TRUCK APRON; BEGIN RADIUS; END RADIUS
L73	---	---	---	---	10+90.71 Q1	40.00'RT	---	780,768.59	489,724.34	R = 25'
L74	---	---	---	---	11+77.61 Q1	18.35'RT	957.07	780,800.22	489,728.56	EDGE OF TRUCK APRON; BEGIN RADIUS; END RADIUS
L75	---	---	---	---	10+05.66 Q1	20.04'RT	---	780,754.64	489,697.78	R = 55'
L76	---	---	---	---	12+46.43 Q1	16.55'RT	957.47	780,787.36	489,690.84	EDGE OF TRUCK APRON; BEGIN RADIUS; END RADIUS
L77	---	---	---	---	12+19.06 Q1	40.00'RT	---	780,779.50	489,714.57	R = 25'
L78	---	---	---	---	12+81.40 Q1	16.55'RT	958.06	780,765.23	489,688.26	EDGE OF TRUCK APRON; BEGIN RADIUS; END RADIUS
L79	---	---	---	---	11+14.69 Q1	22.52'RT	---	780,770.07	489,743.05	R = 55'
L80	---	---	---	---	10+10.32 Q1	40.00'RT	---	780,767.43	489,713.17	R = 25'
L81	173+96.12	100.51'RT	---	---	---	---	---	780,979.25	489,900.51	BEGIN C&G; MATCH EXIST.
L82	173+99.68	135.26'RT	---	---	---	---	---	781,013.33	489,892.51	MATCH EXIST.
L83	172+94.23	61.26'LT	---	---	---	---	956.99	780,793.16	489,855.57	BOW; BEGIN RADIUS
L84	173+16.09	239.51'LT	---	---	---	---	---	780,629.60	489,930.74	R = 180'
L85	170+44.17	12.55'LT	---	---	---	---	---	780,705.67	489,656.44	BOW; BEGIN RADIUS; SEE CURB RAMP DETAILS
L86	170+41.58	24.95'LT	---	---	---	---	---	780,696.63	489,665.45	BOW; END RADIUS; SEE CURB RAMP DETAILS
L87	170+26.47	15.55'LT	---	---	---	---	---	780,687.77	489,647.51	R = 20'
L88	172+40.52	4.74'LT	---	---	---	---	---	780,833.35	489,788.02	BOW; BEGIN RADIUS; SEE CURB RAMP DETAILS
L89	172+44.09	17.25'LT	---	---	---	---	---	780,822.20	489,794.72	BOW; END RADIUS; SEE CURB RAMP DETAILS
L90	172+60.49	5.80'LT	---	---	---	---	---	780,837.51	489,807.58	R = 20'
L91	171+55.86	73.24'RT	50+22.26 Q	12.77'RT	---	---	---	780,850.07	489,666.95	BOW; BEGIN RADIUS; SEE CURB RAMP DETAILS
L92	171+61.14	71.41'RT	50+20.51 Q	7.53'RT	---	---	---	780,852.25	489,672.09	BOW; END RADIUS; SEE CURB RAMP DETAILS
L93	171+61.65	81.40'RT	50+29.82 Q	7.21'RT	---	---	---	780,860.01	489,665.77	R = 10'



LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18AR	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE GUTTER)
CS-5	CONCRETE SIDEWALK 5-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	CURB RAMP, TYPE X	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	TRAFFIC FLOW	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	PROPOSED INLET	CG-36D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
	PROPOSED STORM SEWER MANHOLE	CG-36R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CM-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
	SAWING ASPHALT	CM-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
XXXXX	SAWING CONCRETE	CP	CONCRETE CURB PEDESTRIAN
X	TREE REMOVAL (CLEARING AND GRUBBING)		SLOPE INTERCEPTS
	CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM		
	SURFACE WATER FLOW		
HMA-3	3 INCHES ASPHALTIC SURFACE 6 INCHES BASE AGGREGATE DENSE 1 1/4-INCH		
RWAL	RETAINING WALL		

NOTES:

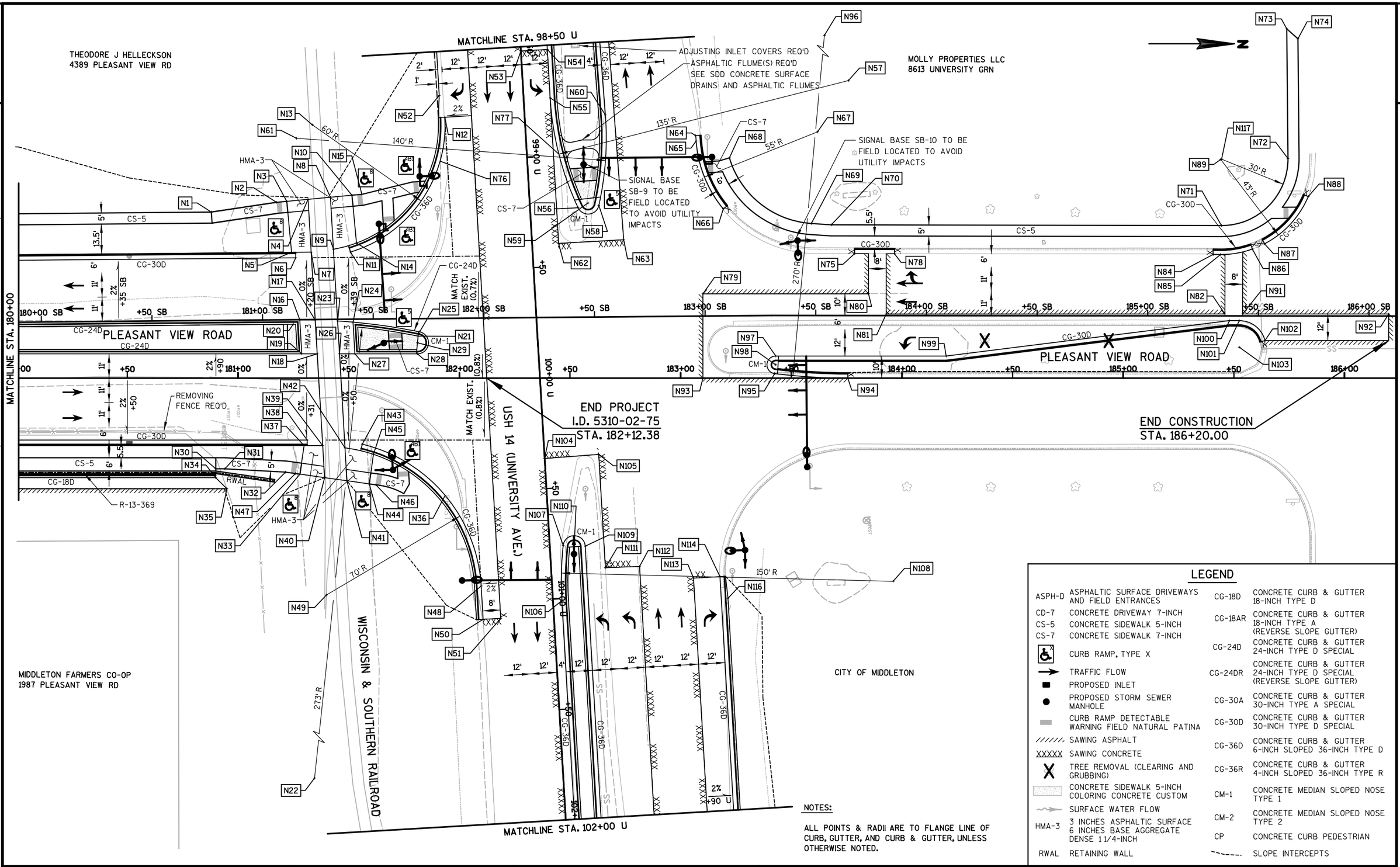
ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN DETAILS - PLEASANT VIEW ROAD	SHEET 86	E

M POINTS						
POINT NO.	PLEASANT VIEW ROAD (NB)		ELEV	X	Y	REMARKS
	STATION	OFFSET				
M1	175+25.35	21.87'LT	950.67	780,897.24	490,063.51	EOP; BEGIN CONCRETE RAISED MEDIAN NOSE SPECIAL
M2	175+26.25	16.99'LT	950.49	780,902.19	490,063.50	EOP; BEGIN CONCRETE RAISED MEDIAN NOSE SPECIAL
M3	175+57.51	21.94'LT	950.12	780,902.13	490,094.36	EOP; END CONCRETE RAISED MEDIAN NOSE SPECIAL
M4	175+57.52	19.94'LT	950.09	780,904.11	490,094.09	EOP; END CONCRETE RAISED MEDIAN NOSE SPECIAL
M5	175+42.82	19.91'LT	950.33	780,902.03	490,079.93	EOP; END RADIUS
M6	175+01.75	0.00'RT	950.80	780,914.15	490,036.44	EOP; BEGIN RADIUS
M7	175+01.75	4.00'LT	---	780,910.24	490,037.28	R = 4'
M8	175+04.93	1.55'LT	950.78	780,913.29	490,039.87	EOP; END RADIUS
M12	175+12.53	11.84'LT	---	780,904.74	490,049.32	BOC; BEGIN COLORED CONCRETE
M13	175+12.51	19.84'LT	---	780,896.89	490,050.87	BOC; BEGIN COLORED CONCRETE
M14	175+60.80	0.00'RT	949.73	780,924.30	490,094.59	EOP; BEGIN RADIUS
M15	175+59.45	7.77'LT	949.87	780,916.43	490,094.30	EOP; END RADIUS; BEGIN RADIUS
M16	175+60.80	4.00'LT	---	780,920.34	490,095.12	R = 4'
M17	175+78.21	10.99'LT	949.57	780,915.51	490,113.09	EOP; END RADIUS
M18	176+59.44	11.19'LT	948.57	780,919.94	490,193.03	EOP; BEGIN TAPER
M19	177+19.04	21.55'LT	948.29	780,910.11	490,252.72	EOP; END TAPER; BEGIN RADIUS
M20	177+22.41	14.54'LT	948.18	780,917.15	490,256.03	EOP; END RADIUS
M21	177+19.89	17.64'LT	---	780,914.03	490,253.53	R = 4'
M22	175+78.35	49.01'RT	---	780,975.15	490,106.58	R = 60'
M23	170+11.49	694.32'RT	---	780,182.12	490,102.24	R = 743.4'
M24	177+21.93	66.75LT	948.27	780,864.94	490,256.01	FOW; CONCRETE DRIVEWAY
M25	177+33.93	66.86LT	948.21	780,864.94	490,268.01	FOW; CONCRETE DRIVEWAY
M26	177+21.82	71.75'LT	948.42	780,859.94	490,255.95	BOW; BEGIN DRIVEWAY
M27	177+33.82	71.86'LT	948.36	780,859.94	490,267.95	BOW; END DRIVEWAY
M28	177+21.63	80.50'LT	948.55	780,851.18	490,255.84	EDGE OF DRIVEWAY; BEGIN BASE AGGREGATE DENSE 1 1/4-INCH
M29	177+33.63	80.50'LT	948.49	780,851.29	490,267.84	EDGE OF DRIVEWAY; BEGIN BASE AGGREGATE DENSE 1 1/4-INCH
M30	177+20.69	124.13'RT	---	780,807.54	490,255.29	MATCH EXIST.
M31	177+32.79	119.78'RT	---	780,812.01	490,267.35	MATCH EXIST.
M32	176+95.68	0.00'RT	948.19	780,931.45	490,229.16	EOP; BEGIN RADIUS
M33	177+11.47	5.62'LT	948.11	780,925.97	490,245.01	EOP; END RADIUS
M34	177+35.46	0.00'RT	947.98	780,931.80	490,268.94	EOP; BEGIN RADIUS
M35	177+32.72	6.91'LT	948.07	780,924.87	490,266.26	EOP; END RADIUS
M36	177+35.46	4.00'LT	---	780,927.80	490,268.98	R = 4'
M37	177+48.67	21.93'LT	948.16	780,910.00	490,282.35	EOP; BEGIN RADIUS
M38	177+51.37	23.01'LT	948.17	780,908.94	490,285.06	EOP; END RADIUS
M39	177+51.41	19.01'LT	---	780,912.94	490,285.06	R = 4'
M40	178+85.87	68.22'LT	948.28	780,864.94	490,419.96	FOW; CONCRETE DRIVEWAY
M41	178+97.87	68.33'LT	948.35	780,864.94	490,431.96	FOW; CONCRETE DRIVEWAY
M42	178+85.87	73.22'LT	948.43	780,859.94	490,420.01	BOW; BEGIN DRIVEWAY
M43	178+97.87	73.33'LT	948.50	780,859.94	490,432.01	BOW; END DRIVEWAY
M44	178+85.87	80.50'LT	947.92	780,852.66	490,420.07	EDGE OF DRIVEWAY; BEGIN BASE AGGREGATE DENSE 1 1/4-INCH
M45	178+97.87	80.50'LT	948.00	780,852.77	490,432.07	EDGE OF DRIVEWAY; BEGIN BASE AGGREGATE DENSE 1 1/4-INCH
M46	178+85.87	121.72'LT	---	780,811.44	490,420.44	MATCH EXIST.
M47	178+97.87	121.72'LT	---	780,811.55	490,432.44	MATCH EXIST.
M48	174+60.51	30.50'RT	---	780,933.82	489,988.35	BOC; BEGIN DRIVEWAY CURB RADIUS
M49	174+76.18	41.00'RT	950.86	780,948.13	490,001.57	BOW; BEGIN CONCRETE DRIVEWAY
M50	174+84.06	58.90'RT	950.09	780,967.51	490,005.48	BOC; END RADIUS
M51	174+60.51	56.00'RT	---	780,958.43	489,981.65	R = 28'
M52	174+83.18	67.49'RT	949.49	780,975.64	490,002.55	BOC; BEGIN RADIUS
M53	174+58.74	92.90'RT	948.67	780,993.51	489,970.04	BOC; END RADIUS; BEGIN REJECT CURB
M54	174+57.97	65.42'RT	---	780,966.78	489,976.51	R = 30'
M55	175+20.24	30.50'RT	---	780,947.78	490,048.88	BEGIN RADIUS; BOC
M56	175+18.50	33.34'RT	---	780,950.24	490,046.56	END RADIUS; BOC
M57	175+20.24	32.50'RT	---	780,949.75	490,048.50	R= 2'; BOC
M58	175+20.22	41.00'RT	949.96	780,958.09	490,046.90	BOW; END CONCRETE DRIVEWAY

M POINTS						
POINT NO.	PLEASANT VIEW ROAD (NB)		ELEV	X	Y	REMARKS
	STATION	OFFSET				
M59	175+22.32	46.32'RT	950.18	780,963.74	490,048.10	BOC; BEGIN RADIUS
M60	174+75.62	56.14'RT	---	780,962.67	489,997.32	R= 48.8'
M61	175+24.18	48.00'RT	---	780,965.75	490,049.73	BOC; END OF RADIUS
M62	175+24.18	46.00'RT	---	780,963.78	490,050.10	R= 2'; BOC
M63	175+29.90	48.00'RT	---	780,966.83	490,055.72	BOC; BEGIN RADIUS
M64	175+31.78	46.20'RT	949.94	780,965.40	490,057.99	BOC; END OF RADIUS
M65	175+29.90	46.00'RT	---	780,964.86	490,056.07	R= 2'; BOC
M66	175+35.24	33.24'RT	---	780,953.24	490,063.77	BOC; BEGIN RADIUS
M67	175+33.62	41.00'RT	949.72	780,960.60	490,060.80	BOW; BEGIN CONCRETE DRIVEWAY
M68	175+67.21	51.00'RT	---	780,975.73	490,094.56	R= 36'
M69	175+33.45	30.50'RT	---	780,950.23	490,062.40	END RADIUS; BOC
M70	175+33.45	32.50'RT	---	780,952.20	490,062.06	R= 2'; BOC
M71	175+58.35	45.00'RT	949.13	780,968.55	490,086.01	EOP; END RADIUS
M72	175+55.67	41.00'RT	949.34	780,964.20	490,083.76	EOP; BOW; BEGIN RADIUS
M73	175+58.35	42.00'RT	---	780,965.58	490,086.42	R = 3'
M77	175+63.72	41.00'RT	949.21	780965.343	490092.164	BOW; END CONCRETE DRIVEWAY
M78	175+82.91	30.50'RT	---	780957.271	490113.344	BOC; END DRIVEWAY CURB RADIUS
M79	175+82.91	68.00'RT	---	780,994.57	490,109.42	R = 37.5'; FOC
M80	174+57.31	130.00'RT	---	781,028.83	489,958.59	MATCH EXIST.
M81	174+58.61	136.18'RT	---	781035.199	489958.421	MATCH EXIST.
M82	174+59.46	135.93'RT	---	781,035.22	489,959.45	MATCH EXIST.
M83	174+63.45	129.74'RT	947.50	781,030.48	489,965.59	EOP; END RADIUS; BEGIN RADIUS
M84	174+63.58	134.74'RT	---	781035.342	489964.448	R = 5'
M85	174+85.17	148.59'RT	946.40	781,055.05	489,985.88	EOP; END RADIUS; END C&G
M86	174+64.96	154.70'RT	---	781,055.05	489,960.88	R = 25'
M87	174+86.05	153.07'RT	---	781059.651	489985.879	MATCH EXIST.
M88	175+10.00	160.16'RT	---	781,072.78	490,012.56	MATCH EXIST.
M89	175+10.00	105.00'RT	---	781,018.73	490,023.56	MATCH EXIST.
M90	175+50.00	105.00'RT	---	781026.635	490068.393	MATCH EXIST.
M91	175+75.00	95.00'RT	---	781,020.44	490,097.75	MATCH EXIST.
M92	176+50.87	95.00'RT	---	781,026.02	490,182.89	MATCH EXIST.
M93	176+50.87	50.00'RT	---	780981.021	490183.583	MATCH EXIST.
M94	177+25.35	50.00'RT	---	780,981.71	490,258.38	MATCH EXIST.
M95	177+25.25	61.81'RT	---	780,993.52	490,258.18	MATCH EXIST.
M96	177+44.00	62.25'RT	---	780994.127	490276.918	MATCH EXIST.
M97	177+44.10	50.00'RT	---	780,981.88	490,277.13	MATCH EXIST.
M98	176+65.56	10.00'LT	---	780,921.18	490,199.13	BOC; END COLORED CONCRETE
M99	176+65.56	2.00'LT	---	780929.175	490199.061	BOC; END COLORED CONCRETE
M100	178+00.02	0.00'RT	947.87	780,932.39	490,333.50	EOP; BEGIN TAPER
M101	178+88.02	11.00'LT	947.96	780,922.18	490,421.59	EOP; END TAPER
M102	175+42.94	30.09'RT	---	780951.43	490072.201	R = 50'
M103	176+95.68	25.00'LT	---	780,906.45	490,229.39	R = 25'

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LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18AR	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE GUTTER)
CS-5	CONCRETE SIDEWALK 5-INCH		
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
	CURB RAMP, TYPE X	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	TRAFFIC FLOW		
	PROPOSED INLET	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	PROPOSED STORM SEWER MANHOLE	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-36D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
	SAWING ASPHALT		
XXXXX	SAWING CONCRETE	CG-36R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
X	TREE REMOVAL (CLEARING AND GRUBBING)	CM-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
	CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM	CM-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
	SURFACE WATER FLOW	CP	CONCRETE CURB PEDESTRIAN
HMA-3	3 INCHES ASPHALTIC SURFACE 6 INCHES BASE AGGREGATE DENSE 1 1/4-INCH		
RWAL	RETAINING WALL		SLOPE INTERCEPTS

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

PROJECT NO: 5310-02-75	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN DETAILS - PLEASANT VIEW ROAD	SHEET 88	E

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N POINTS

POINT NO.	PLEASANT VIEW ROAD (NB) STATION	PLEASANT VIEW ROAD (NB) OFFSET	USH 14 (U) STATION	USH 14 (U) OFFSET	ELEV	X	Y	REMARKS
N1	180+87.90	75.04'LT	---	---	950.99	780,859.94	490,622.04	BOW; BEGIN CONCRETE SIDEWALK 7-INCH
N2	181+17.39	79.46'LT	---	---	950.73	780,855.79	490,651.57	BOW; END DETECTABLE WARNING FIELD
N3	181+22.01	79.89'LT	---	---	950.65	780,855.39	490,656.19	BOW; END CONCRETE SIDEWALK 7-INCH
N4	181+31.62	80.79'LT	---	---	---	780,854.58	490,665.81	BOW; MATCH RR CROSSING SURFACE
N5	181+24.16	56.87'LT	---	---	---	780,878.44	490,658.14	BOC; BEGIN HMA SURFACE
N6	181+26.05	54.38'LT	---	---	950.52	780,880.94	490,660.01	EOP; END C&G
N7	181+33.04	56.95'LT	---	---	---	780,878.44	490,667.02	EOP; MATCH RR CROSSING SURFACE
N8	181+41.72	81.74'LT	---	---	---	780,853.72	490,675.92	BOW; MATCH RR CROSSING SURFACE
N9	181+43.09	58.25'LT	---	---	---	780,877.22	490,677.08	EOP; MATCH RR CROSSING SURFACE
N10	181+51.47	82.66'LT	---	---	951.31	780,852.89	490,685.68	BOW; END CONCRETE SIDEWALK 7-INCH
N11	181+50.78	56.98'LT	---	---	950.74	780,878.57	490,684.76	EOP; BEGIN C&G; BEGIN RADIUS
N12	---	---	98+79.77U	36.00'RT	953.77	780,818.01	490,727.99	EOP; END C&G; END RADIUS
N13	181+33.57	114.45'LT	---	---	---	780,820.94	490,668.07	R = 60'
N14	181+53.50	61.05'LT	---	---	---	780,874.52	490,687.51	BOC; END HMA SURFACE
N15	181+55.95	83.08'LT	---	---	951.45	780,852.51	490,690.16	BOW; BEGIN DETECTABLE WARNING FIELD
N16	181+27.88	26.38'LT	---	---	950.57	780,908.95	490,661.58	EOP; END C&G
N17	181+34.86	26.28'LT	---	---	---	780,909.12	490,668.56	EOP; MATCH RR CROSSING SURFACE
N18	181+35.77	11.00'LT	---	---	---	780,924.41	490,669.33	EOP; MATCH RR CROSSING SURFACE
N19	181+28.79	11.00'LT	---	---	950.53	780,924.34	490,662.35	EOP; END C&G
N20	181+24.94	24.37'LT	---	---	---	780,910.94	490,658.63	BOC; BEGIN RADIUS
N21	181+81.35	19.00'LT	---	---	---	780,916.82	490,714.99	BOC; END RADIUS
N22	181+27.40	248.62'RT	---	---	---	781,183.94	490,658.63	R = 273'; BOC
N23	181+44.98	25.82'LT	---	---	---	780,909.67	490,678.68	EOP; MATCH RR CROSSING SURFACE
N24	181+51.95	25.29'LT	---	---	950.65	780,910.27	490,685.64	EOP; BEGIN C&G; BEGIN RADIUS
N25	181+82.04	20.90'LT	---	---	952.04	780,914.92	490,715.70	EOP; END RADIUS; BEGIN RADIUS
N26	181+45.84	11.00'LT	---	---	---	780,924.50	490,679.41	EOP; MATCH RR CROSSING SURFACE
N27	181+52.80	11.00'LT	---	---	950.68	780,924.56	490,686.36	EOP; BEGIN C&G
N28	181+81.05	11.00'LT	---	---	952.01	780,924.81	490,714.62	EOP; END RADIUS
N29	181+81.05	16.00'LT	---	---	---	780,919.81	490,714.66	R = 5'
N30	180+89.95	41.00'RT	---	---	950.63	780,975.99	490,623.05	BOW; BEGIN CONCRETE SIDEWALK 7-INCH
N31	180+94.04	40.99'RT	---	---	950.69	780,976.02	490,627.14	BOW
N32	181+21.46	42.48'RT	---	---	950.93	780,977.76	490,654.55	BOW
N33	181+27.99	43.40'RT	---	---	950.55	780,978.73	490,661.07	BOW; END CONCRETE SIDEWALK 7-INCH
N34	180+89.85	45.00'RT	---	---	943.05	780,979.99	490,622.91	EOP; END C&G
N35	180+94.91	50.00'RT	---	---	---	780,985.04	490,627.93	MATCH EXIST.
N36	181+93.58	52.99'RT	---	---	952.14	780,988.92	490,726.57	EOP; GRADE BREAK
N37	181+29.81	30.50'RT	---	---	---	780,965.85	490,663.00	BOC; BEGIN HMA SURFACE
N38	181+31.22	28.00'RT	---	---	950.55	780,963.36	490,664.44	EOP; END C&G
N39	181+38.23	30.50'RT	---	---	---	780,965.93	490,671.43	EOP; MATCH RR CROSSING SURFACE
N40	181+39.09	44.96'RT	---	---	---	780,980.39	490,672.16	BOW; MATCH RR CROSSING SURFACE
N41	181+49.19	46.38'RT	---	---	---	780,981.90	490,682.24	BOW; MATCH RR CROSSING SURFACE
N42	181+48.33	31.52'RT	---	---	---	780,967.04	490,681.51	EOP; MATCH RR CROSSING SURFACE
N43	181+56.09	29.88'RT	---	---	950.74	780,965.47	490,689.29	EOP; BEGIN C&G; BEGIN RADIUS
N44	181+59.29	47.80'RT	---	---	950.96	780,983.41	490,692.33	BOW; BEGIN CONCRETE SIDEWALK 7-INCH
N45	181+61.17	34.44'RT	---	---	---	780,970.08	490,694.33	BOC; END HMA SURFACE
N46	181+62.31	48.21'RT	---	---	951.05	780,983.85	490,695.34	BOW; BEGIN DETECTABLE WARNING FIELD
N47	181+25.94	43.11'RT	---	---	950.66	780,978.43	490,659.02	BOW; END DETECTABLE WARNING FIELD
N48	---	---	100+92.21U	32.00'RT	952.28	781,029.99	490,742.47	EOP; END RADIUS
N49	---	---	100+92.21U	102.00'RT	---	781,033.44	490,672.55	R = 70'
N50	---	---	101+07.32U	32.00'RT	---	781,045.07	490,743.21	EOP; MATCH EXIST; END C&G
N51	---	---	101+07.32U	24.00'RT	---	781,044.68	490,751.20	MATCH EXIST.
N52	---	---	98+69.84U	38.00'RT	953.46	780,808.18	490,725.51	EOP; BEGIN TRANSITION
N53	---	---	98+51.90U	0.00'RT	---	780,788.39	490,762.58	MATCH EXIST.
N54	---	---	98+51.90U	12.00'LT	---	780,787.80	490,774.56	MATCH EXIST.
N55	---	---	98+73.88U	12.00'LT	---	780,809.75	490,775.64	BEGIN RADIUS; MATCH EXIST.
N56	---	---	99+24.11U	21.69'LT	953.77	780,859.45	490,787.80	EOP; END RADIUS; BEGIN RADIUS
N57	---	---	98+73.88U	147.00'LT	---	780,803.09	490,910.48	R = 135'
N58	---	---	99+23.62U	31.14'LT	953.83	780,858.49	490,797.22	EOP; END RADIUS; BEGIN RADIUS
N59	---	---	99+22.25U	26.33'LT	---	780,857.36	490,792.35	R = 5'
N60	---	---	98+82.99U	36.45'LT	954.16	780,817.64	490,800.52	EOP; END RADIUS

N POINTS

POINT NO.	PLEASANT VIEW ROAD (NB) STATION	PLEASANT VIEW ROAD (NB) OFFSET	USH 14 (U) STATION	USH 14 (U) OFFSET	ELEV	X	Y	REMARKS
N61	---	---	98+85.36U	103.53'RT	---	780,826.91	490,660.83	R = 140'
N62	---	---	99+39.74U	12.00'LT	---	780,875.53	490,778.89	MATCH EXIST.
N63	---	---	99+39.76U	41.42'LT	---	780,874.10	490,808.27	MATCH EXIST.
N64	---	---	98+94.70U	76.66'LT	---	780,827.36	490,841.25	BEGIN C&G; MATCH EXIST.
N65	---	---	98+97.13U	76.70'LT	---	780,829.79	490,841.41	BEGIN RADIUS; MATCH EXIST.
N66	---	---	99+28.49U	87.16'LT	---	780,860.58	490,853.41	END RADIUS; MATCH EXIST.
N67	---	---	98+96.20U	131.69'LT	---	780,826.14	490,896.29	R = 55'
N68	---	---	99+05.63U	91.28'LT	---	780,837.55	490,856.39	BOW; BEGIN CONCRETE SIDEWALK; SEE CURB RAMP DETAILS
N69	183+59.06	69.89'LT	---	---	953.52	780,867.52	490,893.15	BOW; END RADIUS
N70	183+68.09	69.29'LT	---	---	953.44	780,868.21	490,902.17	BOW
N71	185+44.39	68.95'LT	---	---	951.95	780,870.14	491,078.46	BOW; BEGIN RADIUS
N72	185+74.45	99.22'LT	---	---	952.50	780,840.14	491,108.79	BOW; END RADIUS
N73	185+73.92	157.86'LT	---	---	---	780,781.49	491,108.79	BOW; MATCH EXIST.
N74	185+78.96	153.32'LT	---	---	---	780,786.07	491,113.79	FOW; MATCH EXIST.
N75	183+78.65	56.26'LT	---	---	---	780,881.34	490,912.61	BEGIN C&G; MATCH EXIST.
N76	181+91.29	98.07'LT	---	---	953.53	780,837.84	490,725.64	EOP; GRADE BREAK
N77	182+44.98	101.21'LT	---	---	953.64	780,835.18	490,779.35	EOP; LOW POINT
N78	183+96.64	56.21'LT	---	---	---	780,881.54	490,930.61	END C&G; MATCH EXIST.
N79	183+10.06	38.12'LT	---	---	---	780,898.85	490,843.86	MATCH EXIST.
N80	183+84.92	38.12'LT	---	---	---	780,899.52	490,918.72	MATCH EXIST.
N81	183+92.92	29.00'LT	---	---	---	780,908.72	490,926.64	MATCH EXIST.
N82	185+45.98	29.00'LT	---	---	---	780,910.10	491,079.69	MATCH EXIST.
N84	185+40.64	55.86'LT	---	---	---	780,883.20	491,074.60	BEGIN C&G; MATCH EXIST.
N85	185+43.93	55.85'LT	---	---	---	780,883.23	491,077.89	BEGIN RADIUS; MATCH EXIST.
N86	185+58.37	58.30'LT	---	---	---	780,880.91	491,092.34	END RADIUS; END C&G; MATCH EXIST.
N87	185+63.87	60.69'LT	---	---	---	780,878.57	491,097.86	BEGIN C&G; BEGIN RADIUS; MATCH EXIST.
N88	185+83.63	82.07'LT	---	---	---	780,857.37	491,117.82	END RADIUS; END C&G; MATCH EXIST.
N89	185+44.04	98.85'LT	---	---	---	780,840.24	491,078.38	R = 43'
N91	185+53.98	29.00'LT	---	---	---	780,910.17	491,087.69	MATCH EXIST.
N92	186+20.00	29.00'LT	---	---	---	780,910.76	491,153.70	MATCH EXIST.
N93	183+10.06	0.00'RT	---	---	---	780,936.97	490,843.52	MATCH EXIST.
N94	183+75.57	0.00'RT	---	---	---	780,937.56	490,909.02	END RADIUS; END C&G; MATCH EXIST.
N95	183+42.52	2.03'LT	---	---	952.79	780,935.24	490,876.00	EOP; BEGIN RADIUS; END RADIUS
N96	183+75.57	270.00'LT	---	---	---	780,667.57	490,911.45	R = 270'
N97	183+43.01	10.00'LT	---	---	952.55	780,927.27	490,876.56	EOP; BEGIN RADIUS
N98	183+43.01	6.00'LT	---	---	---	780,931.27	490,876.52	R = 4'
N99	184+20.00	10.00'LT	---	---	952.14	780,927.96	490,953.55	EOP; BEGIN TAPER
N100	185+48.00	26.00'LT	---	---	951.30	780,913.12	491,081.68	EOP; END TAPER
N101	185+52.45	26.00'LT	---	---	951.26	780,913.16	491,086.13	EOP; BEGIN RADIUS
N102	185+64.08	17.00'LT	---	---	---	780,922.26	491,097.68	EOP; END RADIUS; END C&G; MATCH EXIST.
N103	185+52.45	14.00'LT	---	---	---	780,925.15	491,086.02	R = 12'
N104	---	---	100+36.37U	0.00'RT	---	780,972.64	490,771.67	MATCH EXIST.
N105	---	---	100+35.95U	24.48'LT	---	780,971.01	490,796.11	MATCH EXIST.
N106	---	---	101+00.99U	4.00'LT	952.19	781,036.98	490,778.86	EOP; END RADIUS
N107	---	---	100+76.16U	6.07'LT	952.48	781,012.08	490,779.70	EOP; BEGIN RADIUS; END RADIUS
N108	---	---	101+00.99U	154.00'LT	---	781,029.58	490,928.67	R = 150'
N109	---	---	100+76.99U	16.00'LT	951.72	781,012.41	490,789.66	EOP; END RADIUS
N110	---	---	100+76.99U	11.00'LT	---	781,012.66	490,784.66	R = 5'
N111	---	---	100+87.24U	24.54'LT	---	781,022.23	490,798.69	MATCH EXIST.
N112	---	---	100+87.60U	40.00'LT	---	781,021.83	490,814.15	MATCH EXIST.
N113	---	---	100+94.30U	64.00'LT	---	781,027.34	490,838.45	MATCH EXIST.
N114	---	---	100+94.30U	76.00'LT	---	781,026.75	490,850.44	EOP; MATCH EXIST.
N116	---	---	101+04.30U	79.00'LT	---	781,036.59	490,853.93	BOC; BEGIN CURB TRANSITION
N117	185+44.45	98.95'LT	---	---	---	780,840.14	491,078.79	R = 30'; BOW

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LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18AR	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE GUTTER)
CS-5	CONCRETE SIDEWALK 5-INCH		
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
	CURB RAMP, TYPE X	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	TRAFFIC FLOW		
	PROPOSED INLET	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	PROPOSED STORM SEWER MANHOLE	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-36D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
	SAWING ASPHALT	CG-36R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
XXXXX	SAWING CONCRETE	CM-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
X	TREE REMOVAL (CLEARING AND GRUBBING)	CM-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
	CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM	CP	CONCRETE CURB PEDESTRIAN
	SURFACE WATER FLOW		
HMA-3	3 INCHES ASPHALTIC SURFACE 6 INCHES BASE AGGREGATE DENSE 1 1/4-INCH		SLOPE INTERCEPTS
RWAL	RETAINING WALL		

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

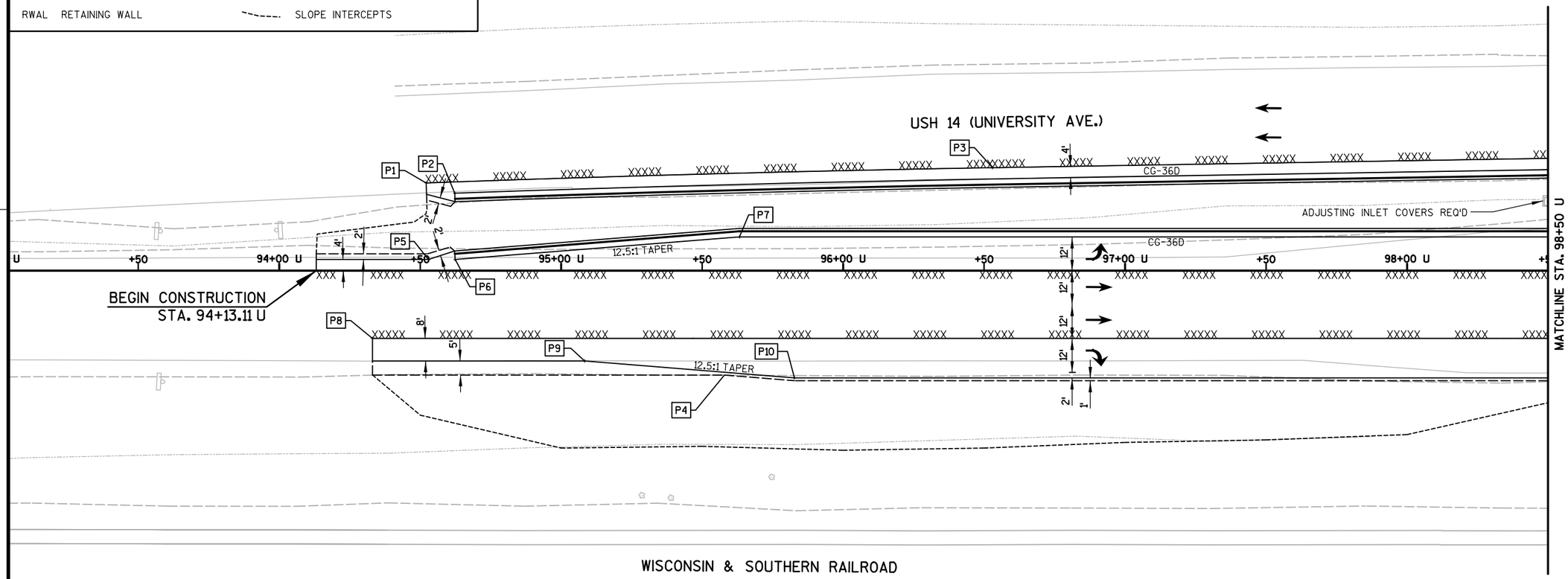
MOLLY PROPERTIES LLC
8613 UNIVERSITY GRN

N

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P POINTS

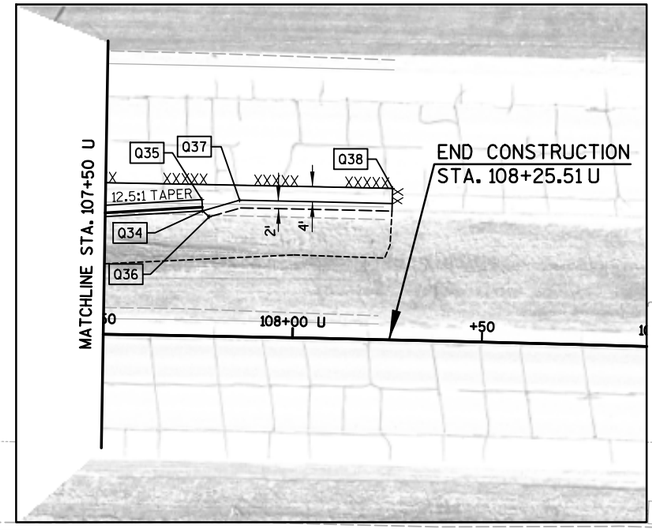
POINT NO.	USH 14 (UNIVERSITY AVE) (U) STATION	USH 14 (UNIVERSITY AVE) (U) OFFSET	ELEV	X	Y	REMARKS
P1	94+52.12 U	31.14'LT	---	780,387.56	490,773.96	MATCH EXIST.
P2	94+62.25 U	27.51'LT	955.68	780,397.86	490,770.83	EOP; BEGIN C&G
P3	96+52.98 U	36.56'LT	---	780,587.91	490,789.28	MATCH EXIST.
P4	95+57.87 U	37.00'RT	955.04	780,496.55	490,711.12	EDGE OF AGG. SHLD
P5	94+52.90 U	4.00'LT	955.41	780,389.68	490,746.89	EOP
P6	94+62.41 U	4.00'LT	955.39	780,399.18	490,747.36	EOP; BEGIN C&G; BEGIN TAPER
P7	95+63.25 U	12.00'LT	955.17	780,499.50	490,760.32	EOP; END TAPER
P8	94+33.09 U	24.00'RT	---	780,371.28	490,717.95	MATCH EXIST.
P9	95+08.33 U	32.00'RT	955.31	780,446.81	490,713.67	EOP; BEGIN TAPER
P10	95+82.70 U	38.00'RT	954.94	780,521.40	490,711.34	EOP; END TAPER

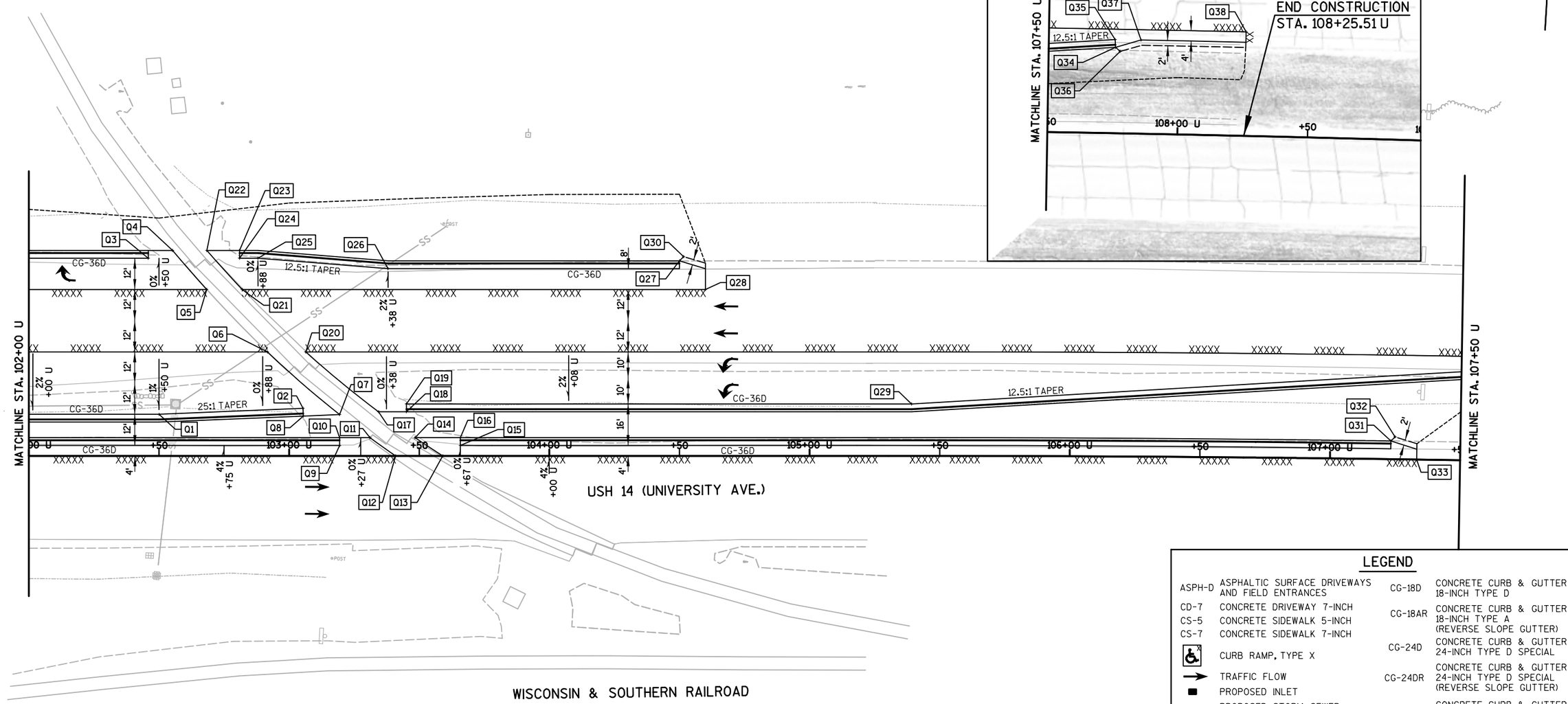


PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	PLAN DETAILS - USH 14	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\021214_pd.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

FRANK LIQUOR COMPANY INC
8511 UNIVERSITY GRN





LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18AR	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE GUTTER)
CS-5	CONCRETE SIDEWALK 5-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	CURB RAMP, TYPE X	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	TRAFFIC FLOW	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	PROPOSED INLET	CG-36D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
	PROPOSED STORM SEWER MANHOLE	CG-36R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CM-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
	SAWING ASPHALT	CM-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
	SAWING CONCRETE	CP	CONCRETE CURB PEDESTRIAN
	TREE REMOVAL (CLEARING AND GRUBBING)	RWAL	RETAINING WALL
	CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM		SLOPE INTERCEPTS
	SURFACE WATER FLOW		
HMA-3	3 INCHES ASPHALTIC SURFACE 6 INCHES BASE AGGREGATE DENSE 1 1/4-INCH		

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	PLAN DETAILS - USH 14	SHEET 91	E

Q POINTS						
POINT NO.	USH 14 (UNIVERSITY AVE) (U)		ELEV	X	Y	REMARK
	STATION	OFFSET				
Q1	102+50.00 U	16.00'LT	950.51	781,185.22	490,798.19	EOP; BEGIN TAPER
Q2	103+05.33 U	18.33'LT	950.65	781,240.36	490,803.24	EOP; END C&G; END TAPER
Q3	102+45.86 U	76.00'LT	950.85	781,178.13	490,857.91	EOP; END C&G
Q4	102+55.20 U	79.00'LT	---	781,187.31	490,861.37	EOP; MATCH RR CROSSING SURFACE
Q5	102+68.33 U	64.00'LT	---	781,201.16	490,847.04	EOP; MATCH RR CROSSING SURFACE
Q6	102+91.68 U	40.00'LT	---	781,225.66	490,824.22	EOP; MATCH RR CROSSING SURFACE
Q7	103+19.38 U	15.92'LT	---	781,254.52	490,801.53	EOP; MATCH RR CROSSING SURFACE
Q8	103+05.45 U	15.33'LT	950.65	781,240.64	490,800.26	EOP
Q9	103+19.43 U	4.00'LT	950.70	781,255.15	490,789.63	EOP; END C&G
Q10	103+19.43 U	7.00'LT	950.68	781,255.00	490,792.63	EOP
Q11	103+31.07 U	7.00'LT	---	781,266.63	490,793.20	EOP; MATCH RR CROSSING SURFACE
Q12	103+40.91 U	0.00'RT	---	781,276.80	490,786.69	EOP; MATCH RR CROSSING SURFACE
Q13	103+59.03 U	0.00'RT	---	781,294.90	490,787.59	EOP; MATCH RR CROSSING SURFACE
Q14	103+48.38 U	7.00'LT	---	781,283.92	490,794.05	EOP; MATCH RR CROSSING SURFACE
Q15	103+65.82 U	4.00'LT	950.46	781,301.49	490,791.92	EOP; BEGIN C&G
Q16	103+65.82 U	7.00'LT	950.46	781,301.34	490,794.91	EOP
Q17	103+34.37 U	17.00'LT	---	781,269.44	490,803.35	EOP; MATCH RR CROSSING SURFACE
Q18	103+45.07 U	17.00'LT	950.12	781,280.12	490,803.88	EOP
Q19	103+45.07 U	20.00'LT	950.13	781,279.97	490,806.88	EOP; BEGIN C&G
Q20	103+06.39 U	40.00'LT	---	781,240.35	490,824.94	EOP; MATCH RR CROSSING SURFACE
Q21	102+81.96 U	64.00'LT	---	781,214.77	490,847.71	EOP; MATCH RR CROSSING SURFACE
Q22	102+68.37 U	79.00'LT	---	781,200.46	490,862.02	EOP; MATCH RR CROSSING SURFACE
Q23	102+80.95 U	79.00'LT	950.51	781,213.02	490,862.64	EOP
Q24	102+80.95 U	76.00'LT	950.51	781,213.17	490,859.64	EOP; BEGIN C&G
Q25	102+88.00 U	76.00'LT	950.45	781,220.21	490,859.99	EOP; BEGIN TAPER
Q26	103+38.00 U	72.00'LT	949.76	781,270.35	490,858.46	EOP; END TAPER
Q27	104+50.00 U	75.00'LT	949.02	781,382.06	490,866.98	EOP; END C&G; BOC
Q28	104+60.00 U	64.00'LT	---	781,392.59	490,856.49	MATCH EXIST.
Q29	105+39.19 U	20.00'LT	948.79	781,473.86	490,816.45	EOP; BEGIN TAPER
Q30	104+51.61 U	76.61'LT	---	781,383.59	490,868.67	EDGE OF AGG. SHLD
Q31	107+23.31 U	7.00'LT	949.04	781,658.56	490,811.30	EOP; END C&G; BOC
Q32	107+24.92 U	8.61'LT	---	781,660.10	490,812.96	EDGE OF AGG. SHLD
Q33	107+33.31 U	0.00'RT	---	781,668.79	490,804.65	MATCH EXIST.
Q34	107+75.63 U	33.01'LT	948.54	781,710.08	490,839.01	EOP
Q35	107+75.39 U	36.00'LT	948.60	781,709.75	490,841.99	EOP; END TAPER; END C&G
Q36	107+77.42 U	31.47'LT	---	781,711.92	490,837.52	EDGE OF AGG. SHLD
Q37	107+85.35 U	36.00'LT	948.58	781,719.74	490,842.29	EOP
Q38	108+25.51 U	40.00'LT	---	781,759.90	490,847.42	MATCH EXIST.

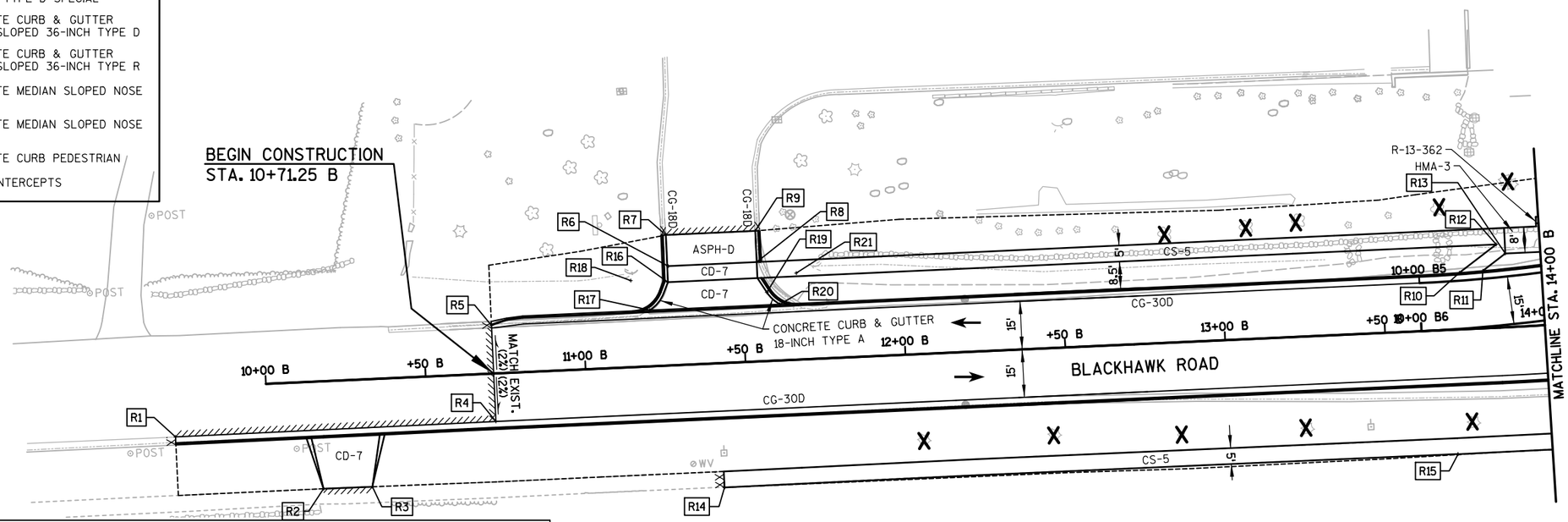
LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18AR	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE GUTTER)
CS-5	CONCRETE SIDEWALK 5-INCH		
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
	CURB RAMP, TYPE X	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	TRAFFIC FLOW		
	PROPOSED INLET	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	PROPOSED STORM SEWER MANHOLE	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-36D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
	SAWING ASPHALT	CG-36R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
XXXXX	SAWING CONCRETE	CM-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
X	TREE REMOVAL (CLEARING AND GRUBBING)	CM-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
	CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM	CP	CONCRETE CURB PEDESTRIAN
	SURFACE WATER FLOW		SLOPE INTERCEPTS
HMA-3	3 INCHES ASPHALTIC SURFACE 6 INCHES BASE AGGREGATE DENSE 1 1/4-INCH		
RWAL	RETAINING WALL		

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

8850 BLACKHAWK LLC
8850 BLACKHAWK RD



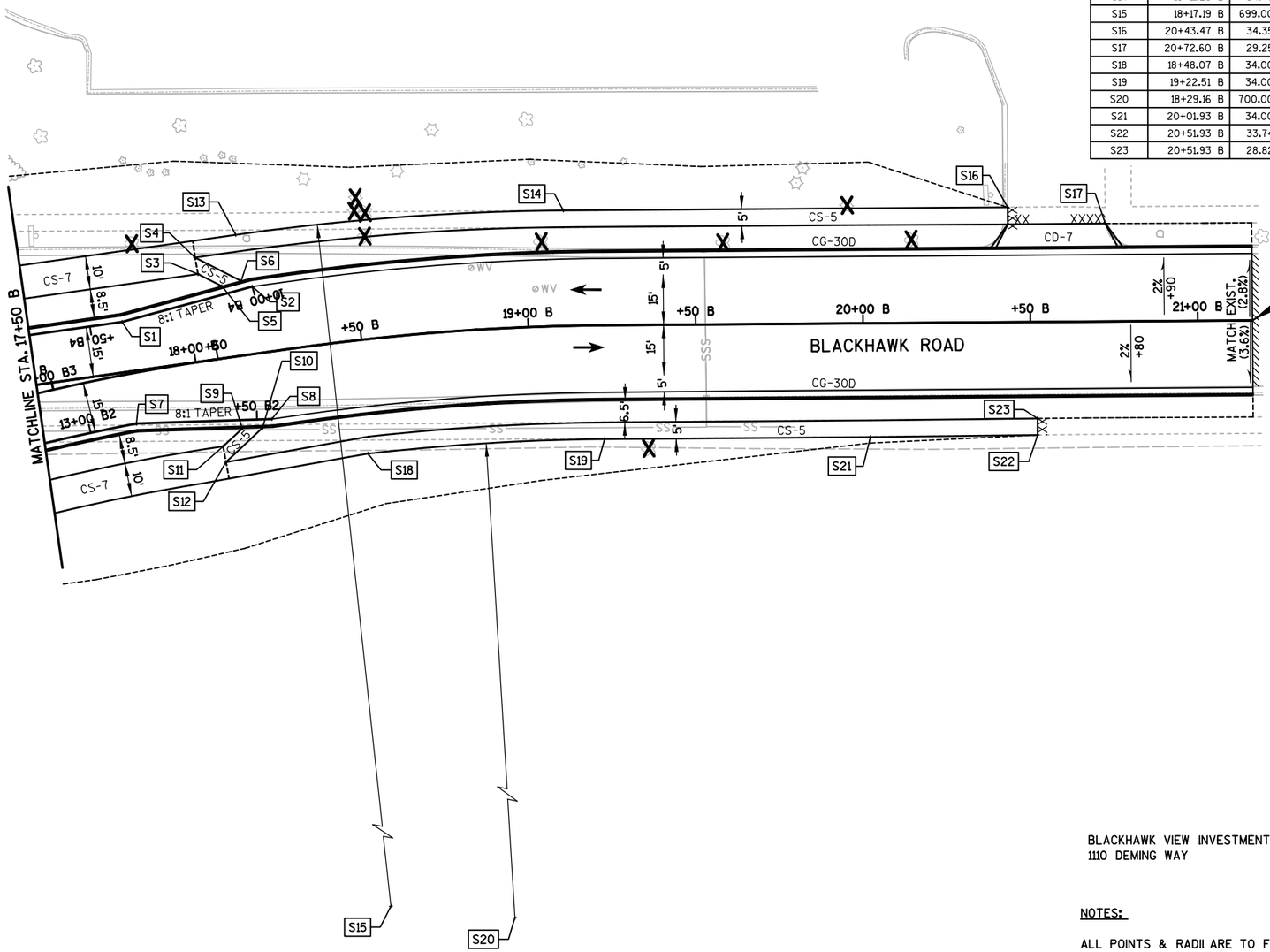
R POINTS						
POINT NO.	BLACKHAWK ROAD (B) STATION	BLACKHAWK ROAD (B) OFFSET	ELEV	X	Y	REMARK
R1	---	---	---	779,810.58	485,531.48	BEGIN C&G; MATCH EXIST.
R2	10+16.54 B	33.50'RT	---	779,856.11	485,513.45	FOW; BEGIN DRIVEWAY APRON; MATCH EXIST.
R3	10+31.81 B	33.60'RT	---	779,871.39	485,513.40	FOW; END DRIVEWAY APRON; MATCH EXIST.
R4	10+71.25 B	15.00'RT	---	779,910.75	485,532.17	EOP; MATCH EXIST.
R5	10+71.25 B	15.00'LT	---	779,910.63	485,562.16	EOP; MATCH EXIST.
R6	11+27.28 B	31.00'LT	1042.28	779,966.60	485,578.39	BOW
R7	11+26.95 B	40.70'LT	---	779,966.22	485,588.09	EDGE OF DRIVEWAY; MATCH EXIST.
R8	11+54.91 B	31.00'LT	1040.27	779,994.23	485,578.50	BOW
R9	11+54.89 B	40.71'LT	---	779,994.17	485,588.22	EDGE OF DRIVEWAY; MATCH EXIST.
R10	13+74.06 B	17.68'LT	---	780,213.43	485,566.06	BOC; BIKE RAMP
R11	13+81.42 B	17.95'LT	---	780,220.79	485,566.36	BOC; BIKE RAMP
R12	13+85.95 B	26.00'LT	1022.57	780,225.28	485,574.43	FOW; BIKE RAMP; END CONCRETE SIDEWALK
R13	13+88.72 B	23.00'LT	1022.31	780,227.98	485,571.44	FOW; BIKE RAMP
R14	11+41.69 B	38.83'RT	---	779,981.28	485,508.62	BOW; MATCH EXIST.
R15	13+71.07 B	38.85'RT	---	780,210.66	485,509.52	BOW; MATCH EXIST.
R16	11+26.91 B	26.00'LT	1042.20	779,966.24	485,573.39	FOW; BEGIN RADIUS
R17	11+20.90 B	17.50'LT	---	779,960.27	485,564.86	BOC; END RADIUS
R18	11+15.35 B	27.00'LT	---	779,954.68	485,574.34	R = 11'
R19	11+57.64 B	21.41'LT	1039.71	779,996.99	485,568.92	EDGE OF DRIVEWAY; BEGIN RADIUS
R20	11+61.57 B	17.50'LT	---	780,000.94	485,565.03	BOC; END RADIUS
R21	11+67.11 B	27.00'LT	---	780,006.44	485,574.55	R = 11'

BOULDER CREEK APTS LLC
1002 N PLEASANT VIEW RD

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN DETAILS - BLACKHAWK ROAD	SHEET 93	E

AX MADISON GREENWAY LLP SUITE 1600
1212 DEMING WAY

S POINTS						
POINT NO.	BLACKHAWK ROAD (B) STATION	BLACKHAWK ROAD (B) OFFSET	ELEV	X	Y	REMARK
S1	17+79.92 B	15.00'LT	1011.24	780,611.57	485,546.80	EOP; BEGIN TAPER
S2	18+19.92 B	20.00'LT	1008.28	780,650.87	485,555.75	EOP; END TAPER
S3	18+04.38 B	26.00'LT	1010.04	780,634.81	485,560.18	FOW; BIKE RAMP; END CONCRETE SIDEWALK 7-INCH
S4	18+04.21 B	31.00'LT	1010.12	780,634.15	485,565.14	FOW; BIKE RAMP
S5	18+10.95 B	21.40'LT	---	780,641.81	485,556.25	BOC; BIKE RAMP
S6	18+16.87 B	22.14'LT	---	780,647.62	485,557.58	BOC; BIKE RAMP
S7	17+79.92 B	15.64'RT	1011.24	780,614.61	485,516.31	EOP; BEGIN TAPER
S8	18+20.16 B	20.00'RT	1008.26	780,655.09	485,515.98	EOP; END TAPER
S9	18+11.01 B	21.52'RT	---	780,646.14	485,513.55	BOC; BIKE RAMP
S10	18+17.05 B	22.18'RT	---	780,652.21	485,513.50	BOC; BIKE RAMP
S11	18+04.61 B	26.01'RT	1010.02	780,640.21	485,508.45	FOW; BIKE RAMP
S12	18+04.72 B	30.81'RT	1010.09	780,640.80	485,503.68	FOW; BIKE RAMP; END CONCRETE SIDEWALK 7-INCH
S13	18+17.19 B	36.00'LT	1009.19	780,646.57	485,571.40	BOW; BEGIN RADIUS
S14	19+11.29 B	34.49'LT	1001.81	780,744.68	485,574.61	BOW; END RADIUS
S15	18+17.19 B	699.00'RT	---	780,719.60	484,840.04	R= 735'
S16	20+43.47 B	34.35'LT	---	780,877.34	485,570.07	BOW; MATCH EXIST.
S17	20+72.60 B	29.25'LT	---	780,906.27	485,563.99	FOW; MATCH EXIST.
S18	18+48.07 B	34.00'RT	1006.64	780,683.36	485,504.49	BOW; BEGIN RADIUS
S19	19+22.51 B	34.00'RT	1001.02	780,754.13	485,505.86	BOW; END RADIUS
S20	18+29.16 B	700.00'RT	---	780,731.61	484,840.24	R = 666'
S21	20+01.93 B	34.00'RT	996.46	780,833.51	485,503.17	BOW
S22	20+51.93 B	33.74'RT	---	780,883.49	485,501.74	BOW; MATCH EXIST.
S23	20+51.93 B	28.82'RT	---	780,883.65	485,506.66	FOW; MATCH EXIST.



NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18AR	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE GUTTER)
CS-5	CONCRETE SIDEWALK 5-INCH		
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
	CURB RAMP, TYPE X	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	TRAFFIC FLOW		
	PROPOSED INLET	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	PROPOSED STORM SEWER MANHOLE	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-36D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
	SAWING ASPHALT	CG-36R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
XXXXX	SAWING CONCRETE	CM-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
X	TREE REMOVAL (CLEARING AND GRUBBING)	CM-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
	CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM	CP	CONCRETE CURB PEDESTRIAN
	SURFACE WATER FLOW		SLOPE INTERCEPTS
HMA-3	3 INCHES ASPHALTIC SURFACE 6 INCHES BASE AGGREGATE DENSE 1 1/4-INCH		
RWAL	RETAINING WALL		

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN DETAILS - BLACKHAWK ROAD	SHEET 94	E

EAGLE RIDGE ASSOCIATES LLC
8646 GREENWAY BLVD

506.5'R

424'R

56.6'R

15'R

75'R

200'R

GREENWAY BLVD

MATCHLINE STA. 51+00 G

MATCH EX. 2.4%

MATCH EX. 2.4% +30

EXISTING TREE TO REMAIN

END CONSTRUCTION
STA. 53+38.58 G

OLD SAUK TRAILS PARK LTD
1425 N PLEASANT VIEW RD

N

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18AR	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE GUTTER)
CS-5	CONCRETE SIDEWALK 5-INCH		
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
	CURB RAMP, TYPE X	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	TRAFFIC FLOW		
	PROPOSED INLET	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	PROPOSED STORM SEWER MANHOLE		
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	SAWING ASPHALT	CG-36D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
XXXXX	SAWING CONCRETE		
X	TREE REMOVAL (CLEARING AND GRUBBING)	CG-36R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
	CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM	CM-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
	SURFACE WATER FLOW	CM-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
HMA-3	3 INCHES ASPHALTIC SURFACE 6 INCHES BASE AGGREGATE DENSE 1 1/4-INCH	CP	CONCRETE CURB PEDESTRIAN
RWAL	RETAINING WALL		SLOPE INTERCEPTS

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN DETAILS - GREENWAY BLVD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\021218_pd.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

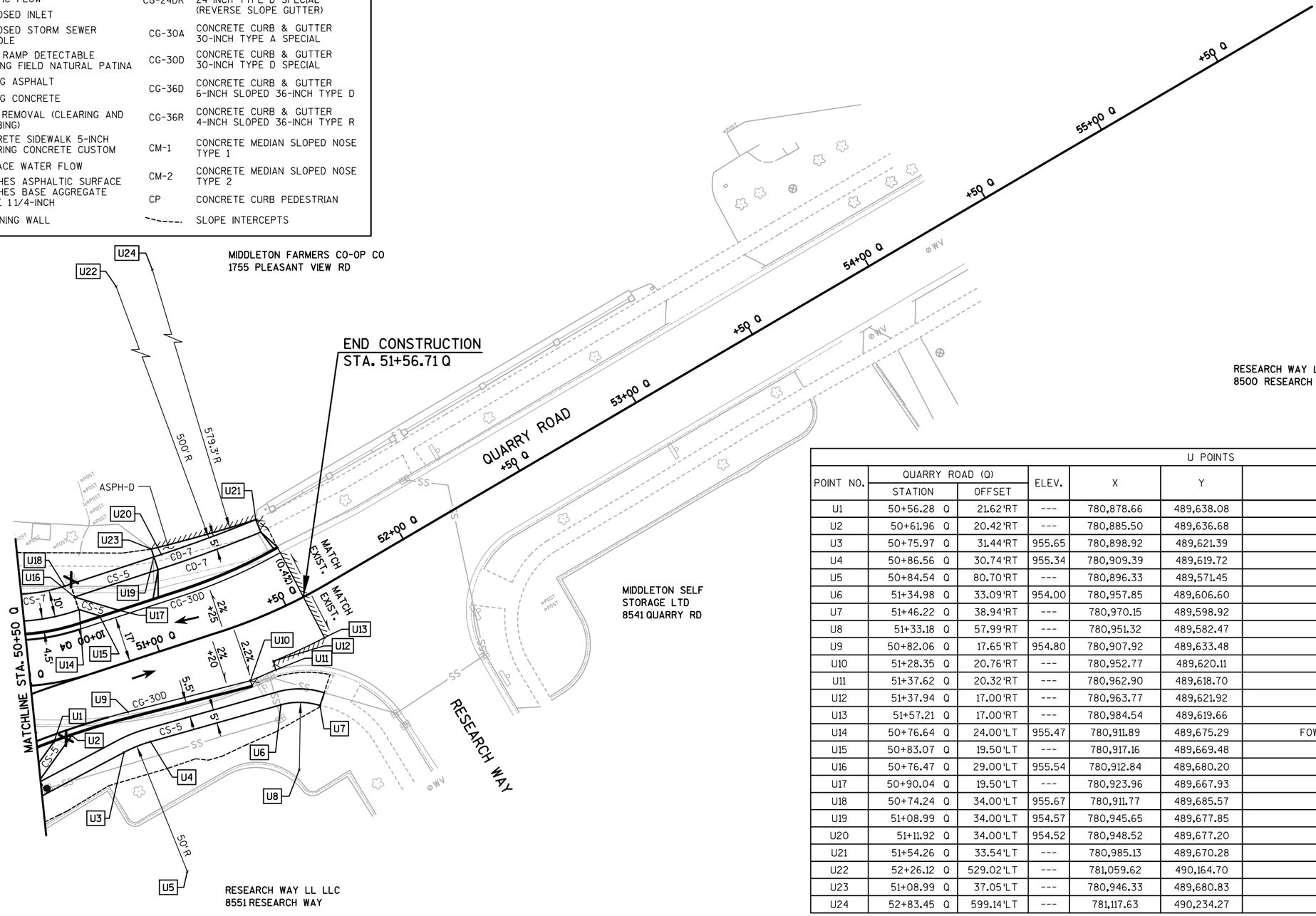
T POINTS						
POINT NO.	GREENWAY BLVD (G)		ELEV	X	Y	REMARK
	STATION	OFFSET				
T1	51+00.83 G	0.34'RT	1015.63	780,662.70	486,736.36	EOP; BEGIN RADIUS
T2	51+01.00 G	12.27'RT	1015.23	780,664.31	486,724.54	EOP; END RADIUS
T3	51+00.26 G	6.32'RT	---	780,662.86	486,730.36	R = 6'
T4	51+07.00 G	38.78'RT	---	780,673.47	486,698.94	BOC; BIKE RAMP
T5	51+39.23 G	61.21'RT	---	780,708.17	486,680.57	BOW; DRIVEWAY; MATCH EXIST.
T6	51+59.70 G	62.26'RT	---	780,728.62	486,682.00	BOW; DRIVEWAY; MATCH EXIST.; END RADIUS
T7	51+75.38 G	444.00'LT	---	780,683.09	487,186.45	R = 506.5'
T8	52+25.73 G	44.00'RT	---	780,796.42	486,711.79	EOP; MATCH EXIST.
T9	52+25.73 G	20.00'RT	---	780,790.84	486,735.13	EOP; MATCH EXIST.; END RADIUS
T10	51+86.43 G	10.13'RT	1010.90	780,749.09	486,737.14	EOP; END RADIUS; BEGIN RADIUS
T11	52+25.73 G	55.00'LT	---	780,773.43	486,808.08	R = 75'
T12	51+87.47 G	2.66'RT	1010.88	780,749.04	486,744.69	EOP; BEGIN RADIUS; END RADIUS
T13	51+88.24 G	6.58'RT	---	780,750.39	486,740.92	R = 4'
T14	52+14.37 G	0.00'RT	1009.35	780,775.12	486,752.09	EOP; END RADIUS
T15	52+14.37 G	200.00'RT	---	780,816.57	486,556.43	R= 200'
T16	51+45.84 G	38.59'LT	1013.66	780,702.69	486,780.43	BOW; DRIVEWAY
T17	51+69.16 G	37.38'LT	1012.25	780,725.98	486,782.05	EDGE OF DRIVEWAY; END RADIUS
T18	51+69.07 G	39.26'LT	1012.28	780,725.67	486,783.90	BOW; DRIVEWAY
T19	51+45.82 G	39.06'LT	1013.67	780,702.62	486,780.91	EDGE OF DRIVEWAY; END RADIUS
T20	51+41.15 G	49.51'LT	1013.80	780,696.72	486,790.72	EDGE OF DRIVEWAY; BEGIN RADIUS
T21	51+30.83 G	38.63'LT	---	780,687.78	486,778.67	R = 15'
T22	51+62.57 G	62.30'LT	1013.06	780,716.44	486,805.99	EDGE OF DRIVEWAY; BEGIN RADIUS
T23	51+12.55 G	35.74'LT	---	780,669.99	486,773.59	R = 56.6'
T24	51+60.90 G	65.44'LT	---	780,714.40	486,808.91	MATCH EXIST.
T25	51+35.96 G	54.43'LT	---	780,690.97	486,794.97	MATCH EXIST.
T26	52+00.31 G	39.46'LT	1010.50	780,754.37	486,788.24	BOW
T27	52+30.40 G	40.16'LT	---	780,781.00	486,794.65	BOW; MATCH EXIST.
T28	51+52.96 G	15.00'LT	1012.62	780,712.60	486,757.88	EOP; BEGIN RADIUS
T29	53+38.58 G	24.00'LT	---	780,880.21	486,815.58	EOP; END RADIUS; MATCH EXIST.
T30	53+38.58 G	9.63'LT	---	780,886.96	486,802.89	MATCH EXIST.
T31	53+63.87 G	7.49'LT	---	780,909.57	486,813.29	MATCH EXIST.
T32	54+87.67 G	2.00'LT	---	781,007.56	486,886.30	MATCH EXIST.
T33	54+87.67 G	0.00'RT	---	781,009.02	486,884.95	MATCH EXIST.; BEGIN C&G
T34	54+73.48 G	0.00'RT	---	780,999.23	486,874.69	MATCH EXIST.; END C&G
T35	51+74.91 G	39.43'LT	---	780,731.45	486,784.78	MATCH EXIST.
T36	51+80.21 G	39.54'LT	---	780,736.27	486,785.50	BOW
T37	51+74.29 G	49.47'LT	---	780,729.62	486,794.67	BOW
T38	51+79.72 G	49.72'LT	---	780,734.50	486,795.53	MATCH EXIST.
T39	51+52.96 G	439.00'LT	---	780,661.44	487,178.78	R = 424'

LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18AR	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE GUTTER)
CS-5	CONCRETE SIDEWALK 5-INCH		
CS-7	CONCRETE SIDEWALK 7-INCH	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
	CURB RAMP, TYPE X	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	TRAFFIC FLOW	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	PROPOSED INLET	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
	PROPOSED STORM SEWER MANHOLE	CG-36D	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-36R	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R
	SAWING ASPHALT	CM-1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
XXXXX	SAWING CONCRETE	CM-2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
X	TREE REMOVAL (CLEARING AND GRUBBING)	CP	CONCRETE CURB PEDESTRIAN
	CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM		SLOPE INTERCEPTS
	SURFACE WATER FLOW		
HMA-3	3 INCHES ASPHALTIC SURFACE 6 INCHES BASE AGGREGATE DENSE 1 1/4-INCH		
RWAL	RETAINING WALL		

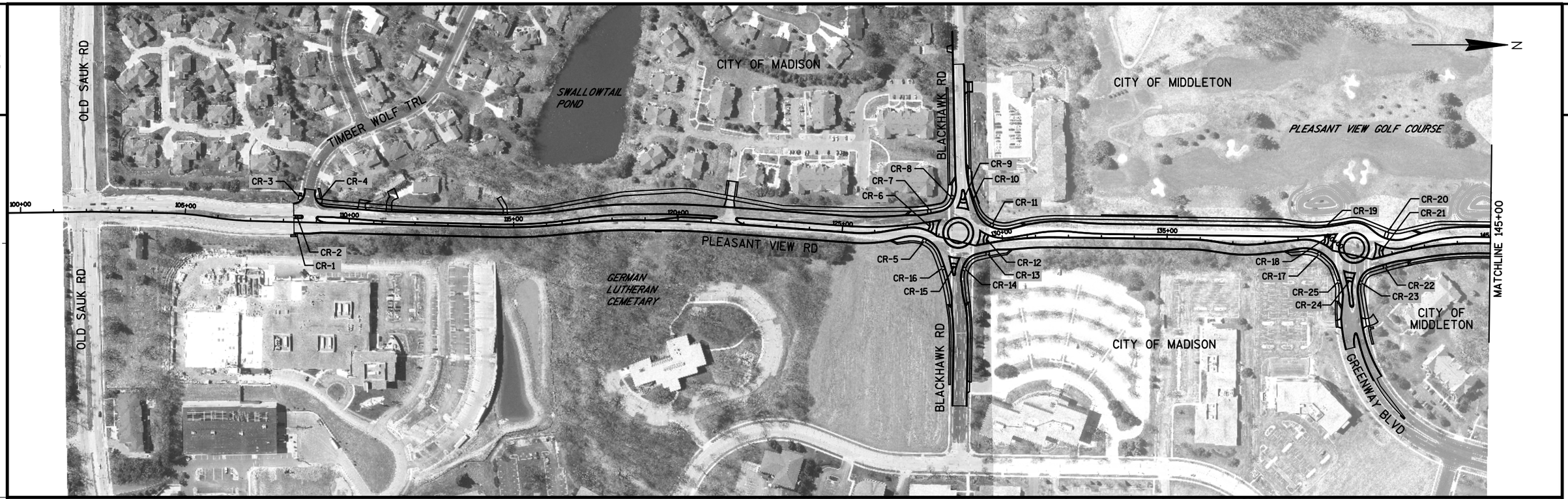
NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.



U POINTS

POINT NO.	QUARRY ROAD (Q) STATION	QUARRY ROAD (Q) OFFSET	ELEV.	X	Y	REMARK
U1	50+56.28 Q	21.62'RT	---	780,878.66	489,638.08	BOC; BIKE RAMP
U2	50+61.96 Q	20.42'RT	---	780,885.50	489,636.68	BOC; BIKE RAMP
U3	50+75.97 Q	31.44'RT	955.65	780,898.92	489,621.39	BOW; BEGIN RADIUS
U4	50+86.56 Q	30.74'RT	955.34	780,909.39	489,619.72	BOW; END RADIUS
U5	50+84.54 Q	80.70'RT	---	780,896.33	489,571.45	R=50'
U6	51+34.98 Q	33.09'RT	954.00	780,957.85	489,606.60	BOW; BEGIN RADIUS
U7	51+46.22 Q	38.94'RT	---	780,970.15	489,598.92	BOW; END RADIUS; MATCH EXIST.
U8	51+33.18 Q	57.99'RT	---	780,951.32	489,582.47	R =25'
U9	50+82.06 Q	17.65'RT	954.80	780,907.92	489,633.48	EOP; END RADIUS
U10	51+28.35 Q	20.76'RT	---	780,952.77	489,620.11	EOP; MATCH EXIST.
U11	51+37.62 Q	20.32'RT	---	780,962.90	489,618.70	EOP; MATCH EXIST.
U12	51+37.94 Q	17.00'RT	---	780,963.77	489,621.92	MATCH EXIST.
U13	51+57.21 Q	17.00'RT	---	780,984.54	489,619.66	MATCH EXIST.
U14	50+76.64 Q	24.00'LT	955.47	780,911.89	489,675.29	FOW; BIKE RAMP; END CONCRETE SIDEWALK 7-INCH
U15	50+83.07 Q	19.50'LT	---	780,917.16	489,669.48	BOC; BIKE RAMP
U16	50+76.47 Q	29.00'LT	955.54	780,912.84	489,680.20	FOW; BIKE RAMP
U17	50+90.04 Q	19.50'LT	---	780,923.96	489,667.93	BOC; BIKE RAMP
U18	50+74.24 Q	34.00'LT	955.67	780,911.77	489,685.57	BOW
U19	51+08.99 Q	34.00'LT	954.57	780,945.65	489,677.85	BOW; BEGIN DRIVEWAY
U20	51+11.92 Q	34.00'LT	954.52	780,948.52	489,677.20	BOW; BEGIN RADIUS
U21	51+54.26 Q	33.54'LT	---	780,985.13	489,670.28	BOW; END RADIUS; MATCH EXIST.
U22	52+26.12 Q	529.02'LT	---	781,059.62	490,164.70	R = 500'
U23	51+08.99 Q	37.05'LT	---	780,946.33	489,680.83	BEGIN RADIUS; MATCH. EXIST.
U24	52+83.45 Q	599.14'LT	---	781,117.63	490,234.27	R = 579.3'

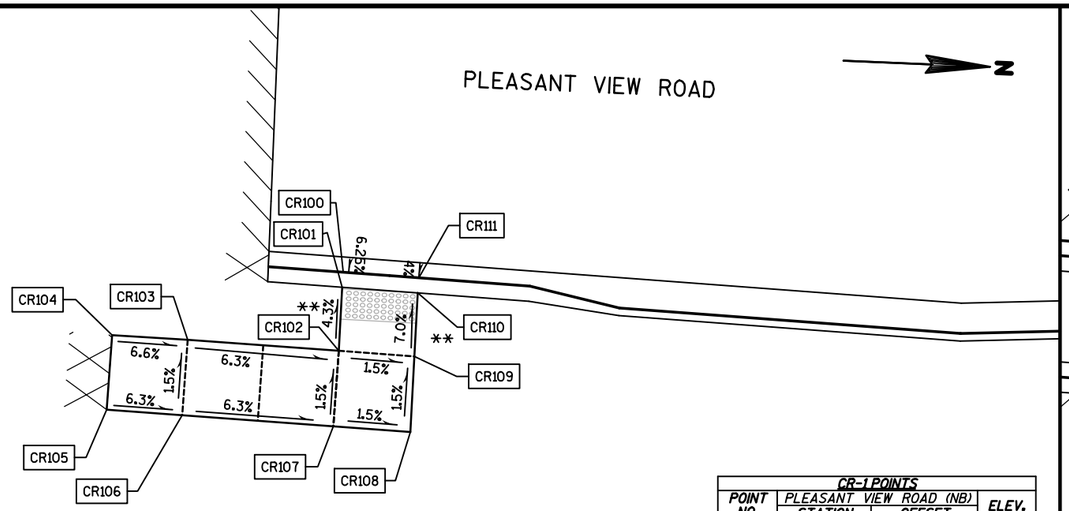


CURB RAMP, TYPE X

NOTE:
FOR CURB WITH 6.25% GUTTER SLOPE, TRANSITION GUTTER SLOPE TO GUTTER SLOPE AT CURB RAMP (4% TYP.) OVER 5'UNLESS NOTED OTHERWISE.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CURB RAMP DETAILS OVERVIEW	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\021300_cr.dgn PLOT DATE : 7/21/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

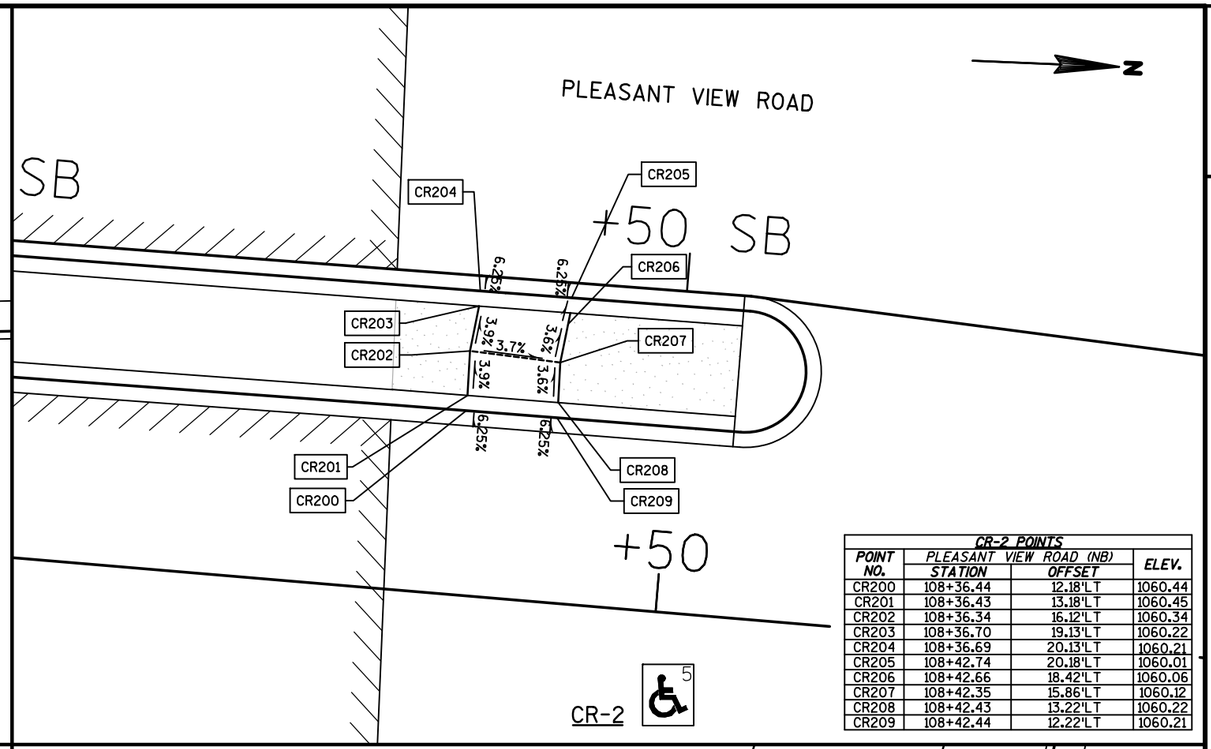


** 6:1 GRASS FLARE

CR-1

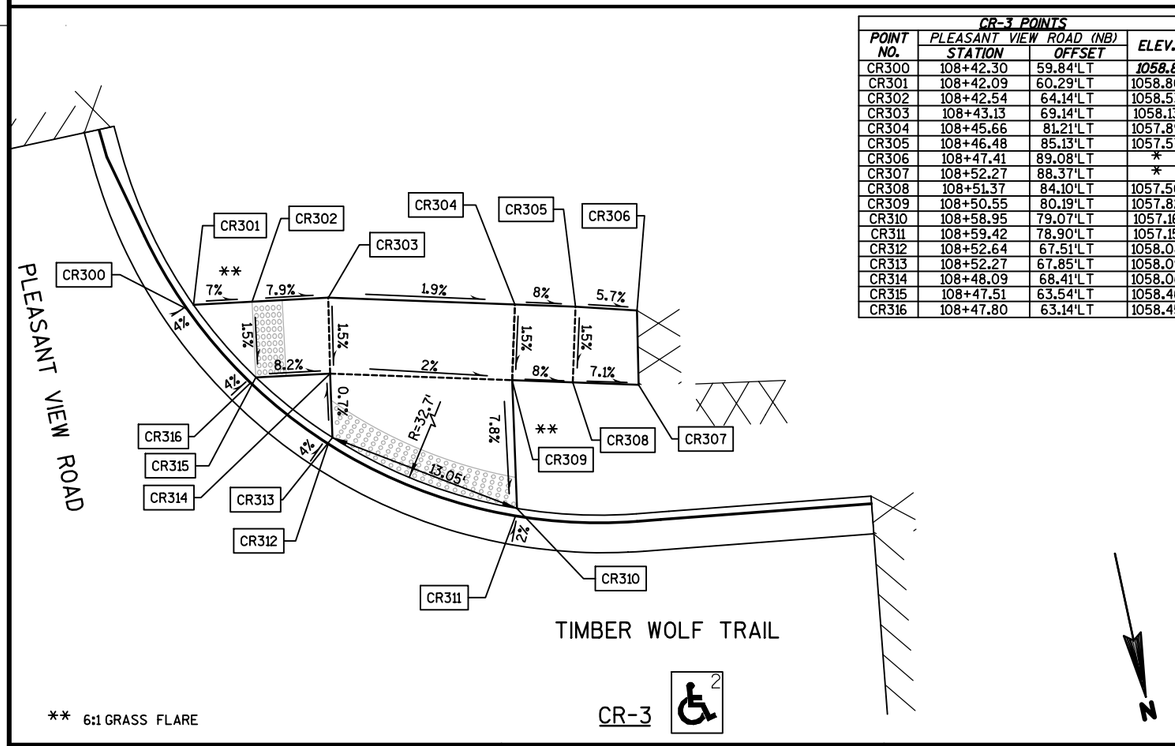
CR-1 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR100	108+38.39	33.69'RT	1059.97
CR101	108+38.40	34.69'RT	1059.98
CR102	108+38.53	38.89'RT	1060.13
CR103	108+28.53	38.99'RT	1060.79
CR104	108+23.53	39.11'RT	*
CR105	108+23.58	44.04'RT	*
CR106	108+28.58	43.99'RT	1060.86
CR107	108+38.58	43.89'RT	1060.23
CR108	108+43.67	43.83'RT	1060.16
CR109	108+43.52	38.83'RT	1060.09
CR110	108+43.40	34.64'RT	1059.80
CR111	108+43.39	33.64'RT	1059.79

* MATCH EXISTING



CR-2

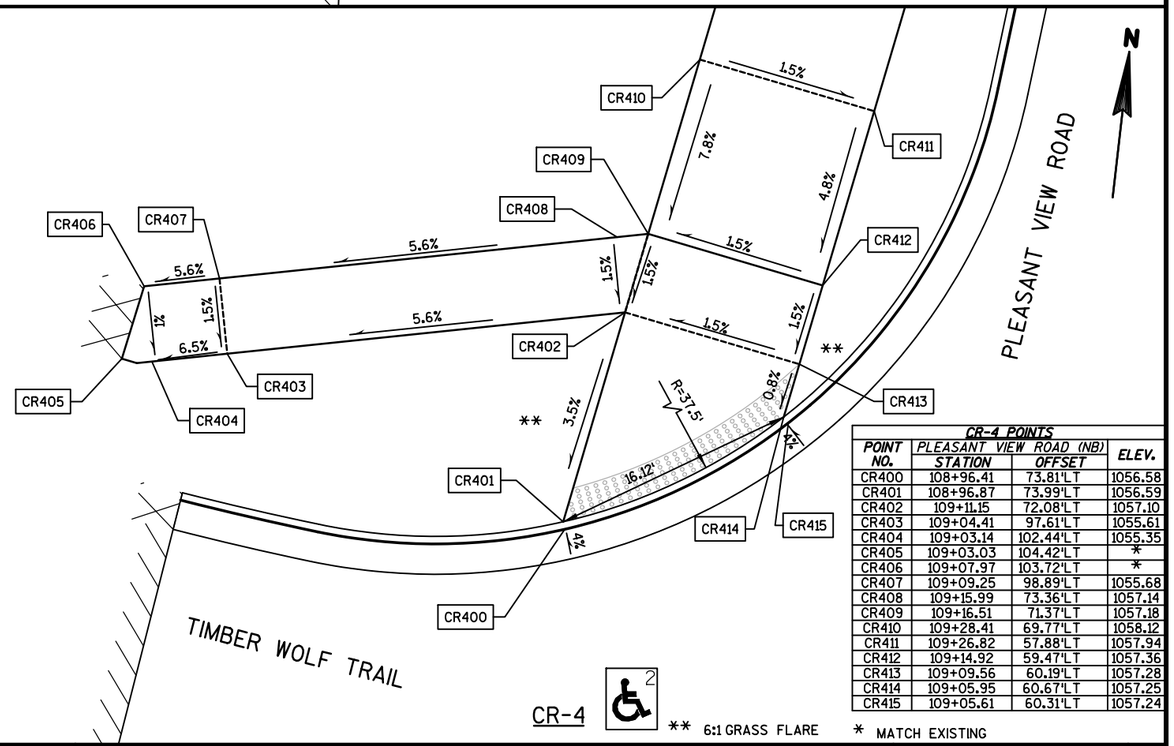
CR-2 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR200	108+36.44	12.18'LT	1060.44
CR201	108+36.43	13.18'LT	1060.45
CR202	108+36.34	16.12'LT	1060.34
CR203	108+36.70	19.13'LT	1060.22
CR204	108+36.69	20.13'LT	1060.21
CR205	108+42.74	20.18'LT	1060.01
CR206	108+42.66	18.42'LT	1060.06
CR207	108+42.35	15.86'LT	1060.12
CR208	108+42.43	13.22'LT	1060.22
CR209	108+42.44	12.22'LT	1060.21



** 6:1 GRASS FLARE

CR-3

CR-3 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR300	108+42.30	59.84'LT	1058.8
CR301	108+42.09	60.29'LT	1058.80
CR302	108+42.54	64.14'LT	1058.53
CR303	108+43.13	69.14'LT	1058.13
CR304	108+45.66	81.21'LT	1057.89
CR305	108+46.48	85.13'LT	1057.57
CR306	108+47.41	89.08'LT	*
CR307	108+52.27	88.37'LT	*
CR308	108+51.37	84.10'LT	1057.50
CR309	108+50.55	80.19'LT	1057.82
CR310	108+58.95	79.07'LT	1057.16
CR311	108+59.42	78.90'LT	1057.15
CR312	108+52.64	67.51'LT	1058.08
CR313	108+52.27	67.85'LT	1058.09
CR314	108+48.09	68.41'LT	1058.06
CR315	108+47.51	63.54'LT	1058.46
CR316	108+47.80	63.14'LT	1058.45



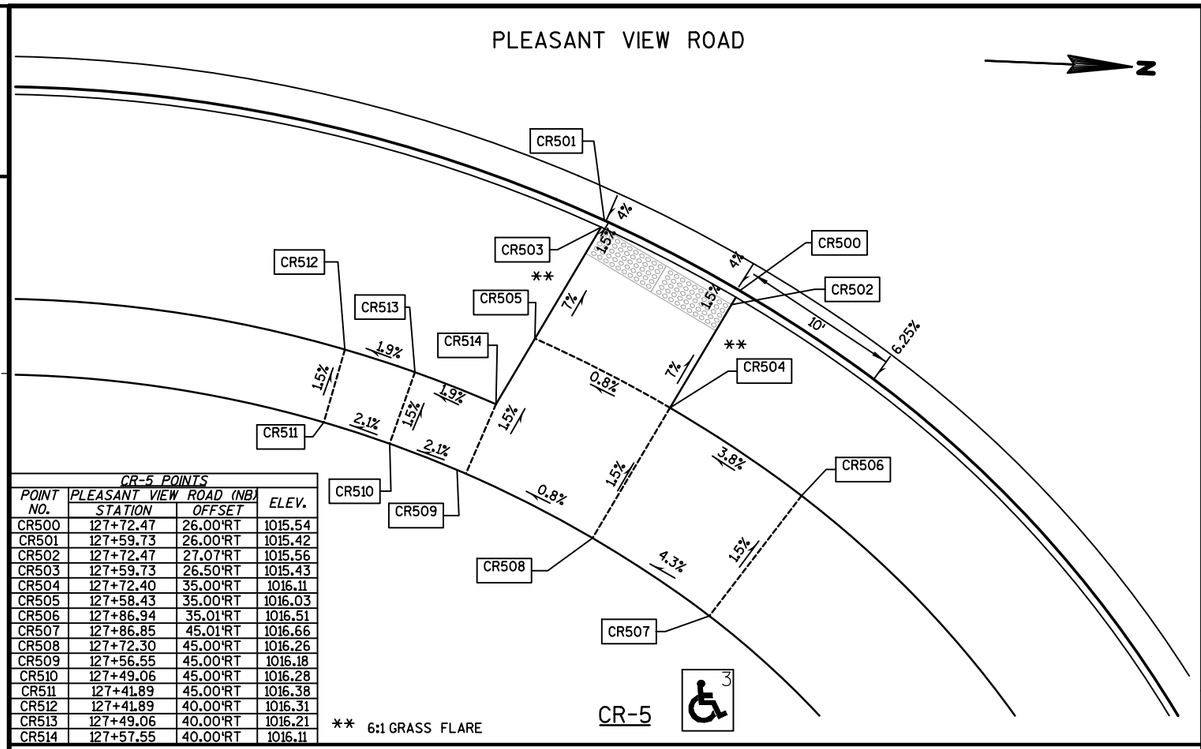
CR-4

CR-4 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR400	108+96.41	73.81'LT	1056.58
CR401	108+96.87	73.99'LT	1056.59
CR402	109+11.15	72.08'LT	1057.10
CR403	109+04.41	97.61'LT	1055.61
CR404	109+03.14	102.44'LT	1055.35
CR405	109+03.03	104.42'LT	*
CR406	109+07.97	103.72'LT	*
CR407	109+09.25	98.89'LT	1055.68
CR408	109+15.99	73.36'LT	1057.14
CR409	109+16.51	71.37'LT	1057.18
CR410	109+28.41	69.77'LT	1058.12
CR411	109+26.82	57.88'LT	1057.94
CR412	109+14.92	59.47'LT	1057.36
CR413	109+09.56	60.19'LT	1057.28
CR414	109+05.95	60.67'LT	1057.25
CR415	109+05.61	60.31'LT	1057.24

** 6:1 GRASS FLARE

* MATCH EXISTING

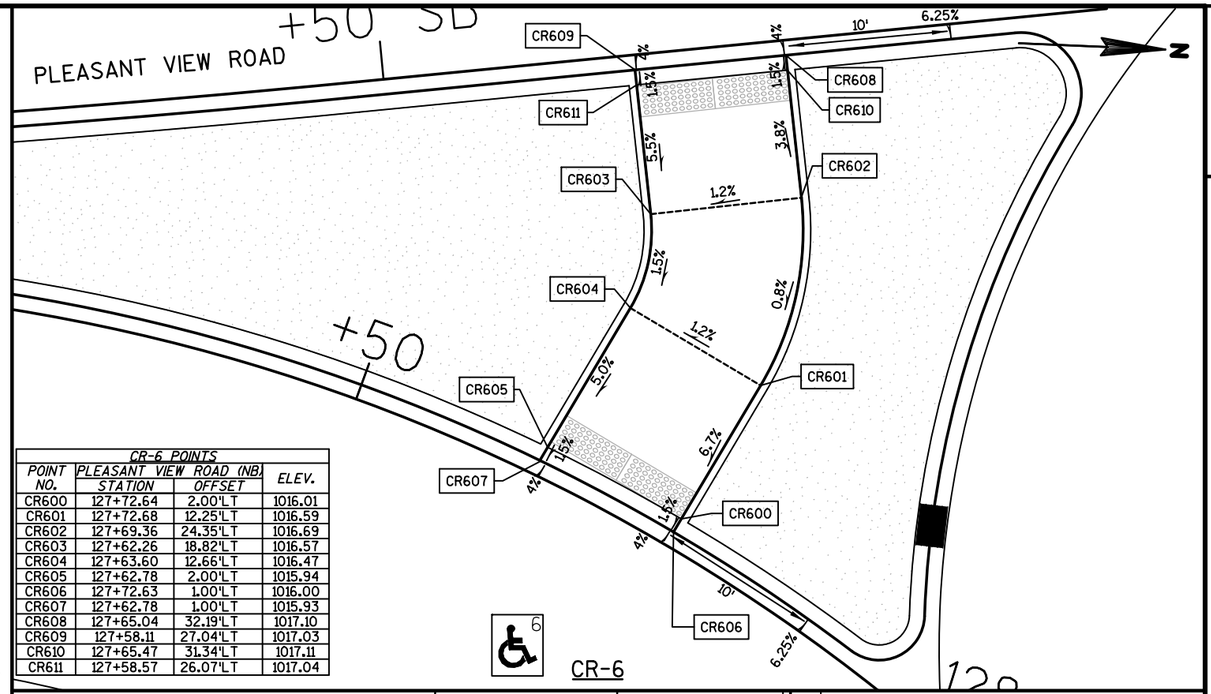
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CURB RAMP DETAILS	SHEET 99	E



CR-5

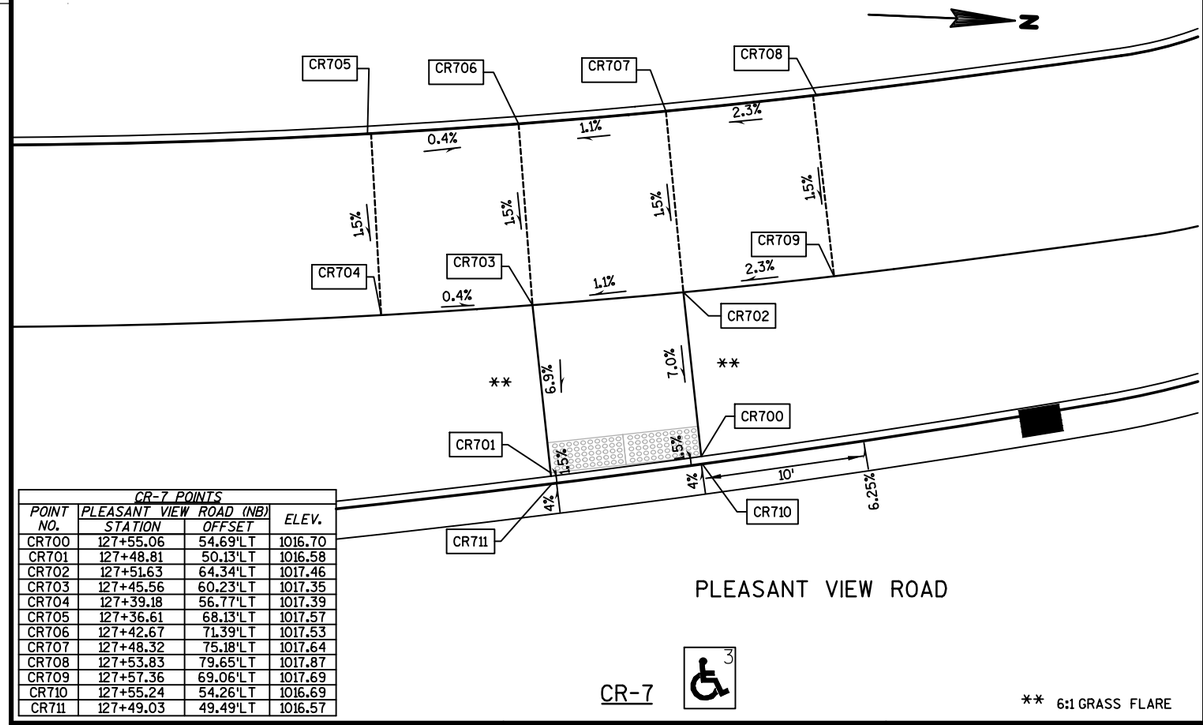
CR-5 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR500	127+72.47	26.00'RT	1015.54
CR501	127+59.73	26.00'RT	1015.42
CR502	127+72.47	27.07'RT	1015.56
CR503	127+59.73	26.50'RT	1015.43
CR504	127+72.40	35.00'RT	1016.11
CR505	127+58.43	35.00'RT	1016.03
CR506	127+86.94	35.01'RT	1016.51
CR507	127+86.85	45.01'RT	1016.66
CR508	127+72.30	45.00'RT	1016.26
CR509	127+56.55	45.00'RT	1016.18
CR510	127+49.06	45.00'RT	1016.28
CR511	127+41.89	45.00'RT	1016.38
CR512	127+41.89	40.00'RT	1016.31
CR513	127+49.06	40.00'RT	1016.21
CR514	127+57.55	40.00'RT	1016.11

** 6:1 GRASS FLARE



CR-6

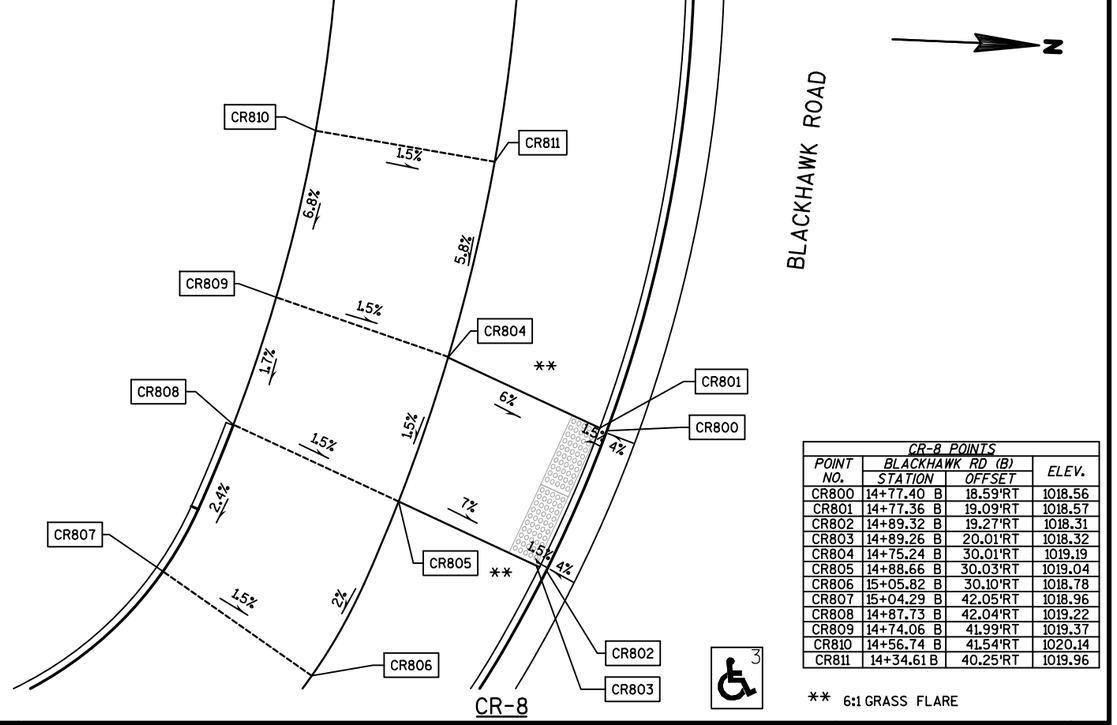
CR-6 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR600	127+72.64	2.00'LT	1016.01
CR601	127+72.68	12.25'LT	1016.59
CR602	127+69.36	24.35'LT	1016.69
CR603	127+62.26	18.82'LT	1016.57
CR604	127+63.60	12.66'LT	1016.47
CR605	127+62.78	2.00'LT	1015.94
CR606	127+72.63	1.00'LT	1016.00
CR607	127+62.78	1.00'LT	1015.93
CR608	127+65.04	32.19'LT	1017.10
CR609	127+58.11	27.04'LT	1017.03
CR610	127+65.47	31.34'LT	1017.11
CR611	127+58.57	26.07'LT	1017.04



CR-7

CR-7 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR700	127+55.06	54.69'LT	1016.70
CR701	127+48.81	50.13'LT	1016.58
CR702	127+51.63	64.34'LT	1017.46
CR703	127+45.56	60.23'LT	1017.35
CR704	127+39.18	56.77'LT	1017.39
CR705	127+36.61	68.13'LT	1017.57
CR706	127+42.67	71.39'LT	1017.53
CR707	127+48.32	75.18'LT	1017.64
CR708	127+53.83	79.65'LT	1017.87
CR709	127+57.36	69.06'LT	1017.69
CR710	127+55.24	54.26'LT	1016.69
CR711	127+49.03	49.49'LT	1016.57

** 6:1 GRASS FLARE

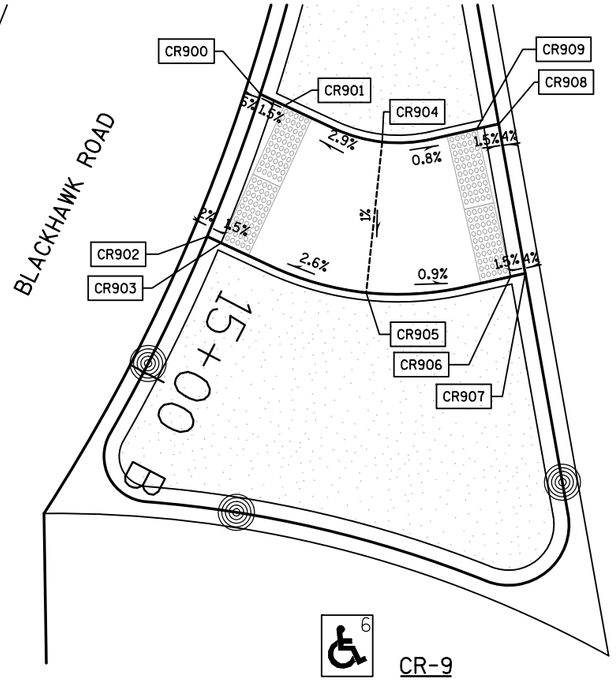


CR-8

CR-8 POINTS			
POINT NO.	BLACKHAWK RD (B) STATION	OFFSET	ELEV.
CR800	14+77.40 B	18.59'RT	1018.56
CR801	14+77.36 B	19.09'RT	1018.57
CR802	14+89.32 B	19.27'RT	1018.31
CR803	14+89.26 B	20.01'RT	1018.32
CR804	14+75.24 B	30.01'RT	1019.19
CR805	14+88.66 B	30.03'RT	1019.04
CR806	15+05.82 B	30.10'RT	1018.78
CR807	15+04.29 B	42.05'RT	1018.96
CR808	14+87.73 B	42.04'RT	1019.22
CR809	14+74.06 B	41.99'RT	1019.37
CR810	14+56.74 B	41.54'RT	1020.14
CR811	14+34.61 B	40.25'RT	1019.96

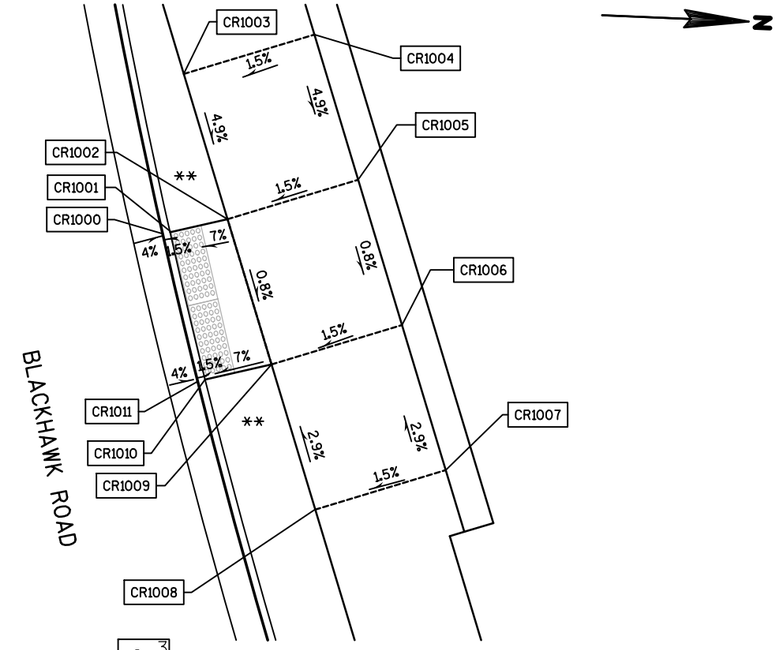
** 6:1 GRASS FLARE

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CURB RAMP DETAILS	SHEET 100	E



CR-9

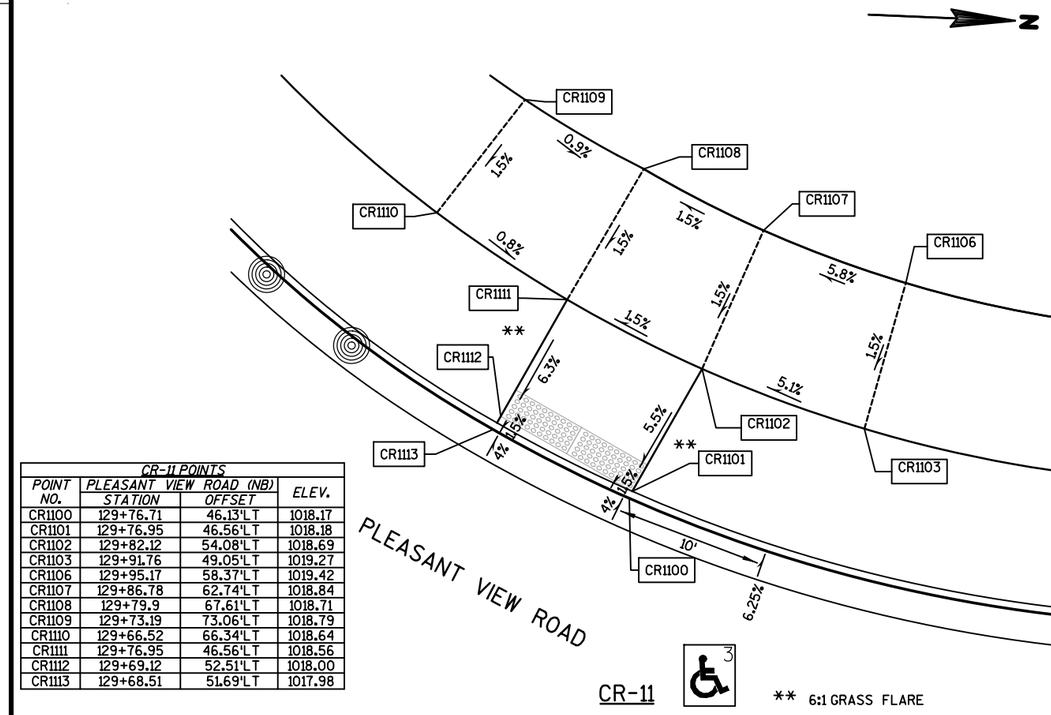
CR-9 POINTS			
POINT NO.	BLACKHAWK RD (B) STATION	OFFSET	ELEV.
CR900	14+80.37 B	1.00'LT	1018.86
CR901	14+80.47 B	2.75'LT	1018.88
CR902	14+90.24 B	1.00'LT	1018.70
CR903	14+90.24 B	2.00'LT	1018.71
CR904	14+80.72 B	9.64'LT	1019.08
CR905	14+89.61 B	12.11'RT	1018.98
CR906	14+85.66 B	20.58'RT	1018.89
CR907	14+85.23 B	21.44'RT	1018.88
CR908	14+77.61 B	16.61'LT	1019.01
CR909	14+78.27 B	15.31'LT	1019.03



CR-10

** 6:1 GRASS FLARE

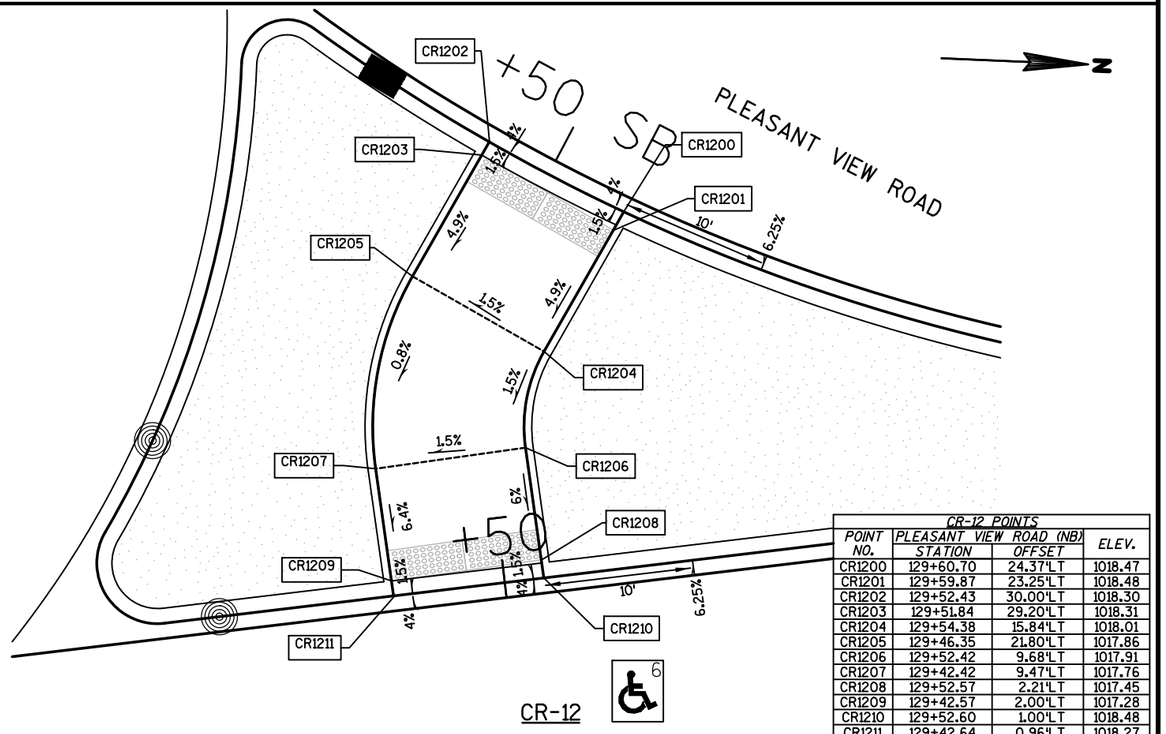
CR-10 POINTS			
POINT NO.	BLACKHAWK RD (B) STATION	OFFSET	ELEV.
CR1000	14+70.45 B	32.98'LT	1018.73
CR1001	14+70.26 B	33.51'LT	1018.74
CR1002	14+68.97 B	36.94'LT	1019.01
CR1003	14+62.09 B	32.27'LT	1019.50
CR1004	14+59.13 B	40.40'LT	1019.63
CR1005	14+65.75 B	44.84'LT	1019.14
CR1006	14+72.01 B	49.76'LT	1019.06
CR1007	14+77.90 B	55.11'LT	1019.35
CR1008	14+81.47 B	47.69'LT	1019.22
CR1009	14+75.44 B	42.10'LT	1018.93
CR1010	14+77.06 B	38.17'LT	1018.62
CR1011	14+77.26 B	37.74'LT	1018.61



CR-11

** 6:1 GRASS FLARE

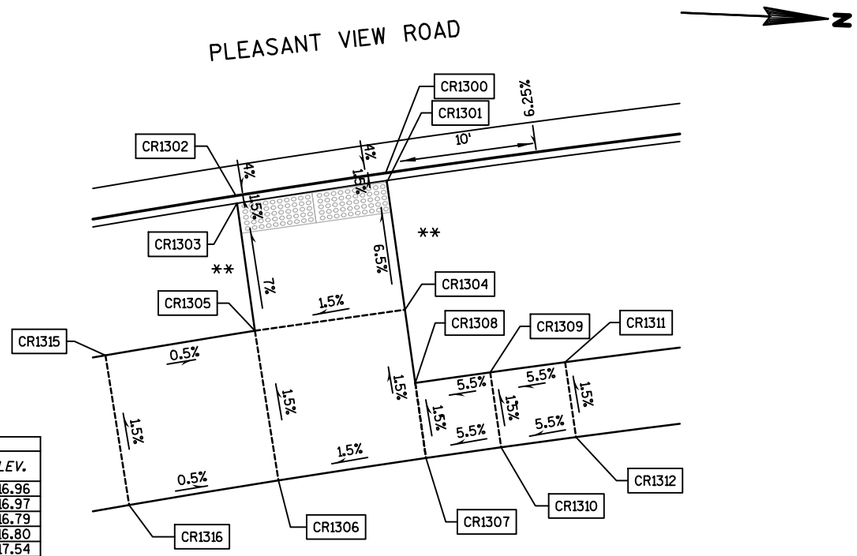
CR-11 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR1100	129+76.71	46.13'LT	1018.17
CR1101	129+76.95	46.56'LT	1018.18
CR1102	129+82.12	54.08'LT	1018.69
CR1103	129+91.76	49.05'LT	1019.27
CR1106	129+95.17	58.37'LT	1019.42
CR1107	129+86.78	62.74'LT	1018.84
CR1108	129+79.9	67.61'LT	1018.71
CR1109	129+73.19	73.06'LT	1018.79
CR1110	129+66.52	66.34'LT	1018.64
CR1111	129+76.95	46.56'LT	1018.56
CR1112	129+69.12	52.51'LT	1018.00
CR1113	129+68.51	51.69'LT	1017.98



CR-12

CR-12 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR1200	129+60.70	24.37'LT	1018.47
CR1201	129+59.87	23.25'LT	1018.48
CR1202	129+52.43	30.00'LT	1018.30
CR1203	129+51.84	29.20'LT	1018.31
CR1204	129+54.38	15.84'LT	1018.01
CR1205	129+46.35	21.80'LT	1017.86
CR1206	129+52.42	9.68'LT	1017.91
CR1207	129+42.42	9.47'LT	1017.76
CR1208	129+52.57	2.21'LT	1017.45
CR1209	129+42.57	2.00'LT	1017.28
CR1210	129+52.60	1.00'LT	1018.48
CR1211	129+42.64	0.96'LT	1018.27

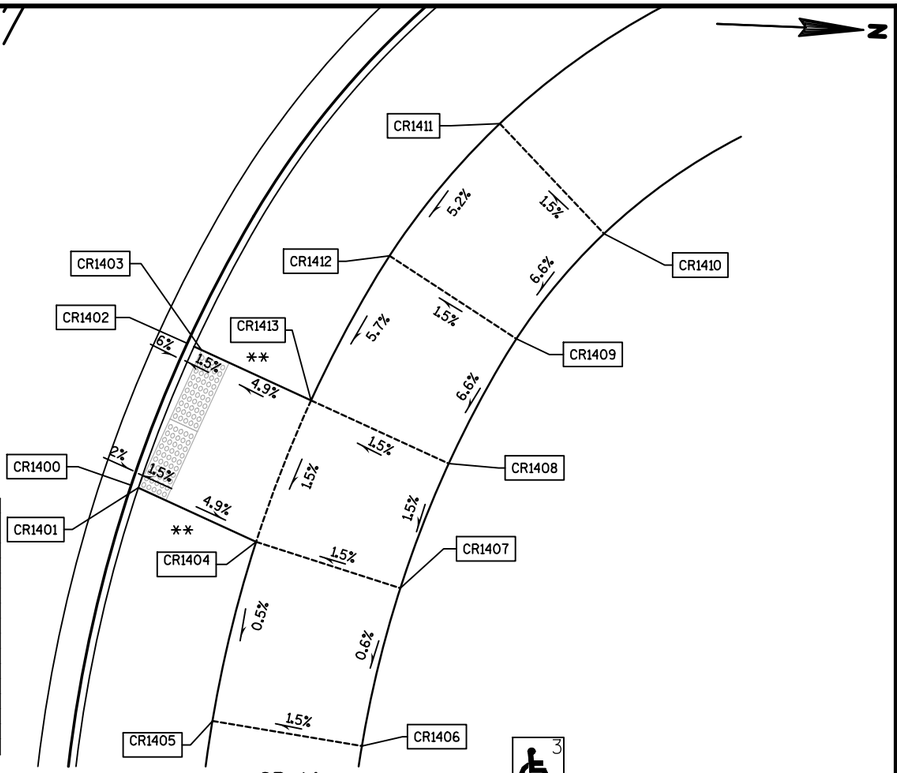
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CURB RAMP DETAILS	SHEET 101	E



CR-13

** 6:1 GRASS FLARE

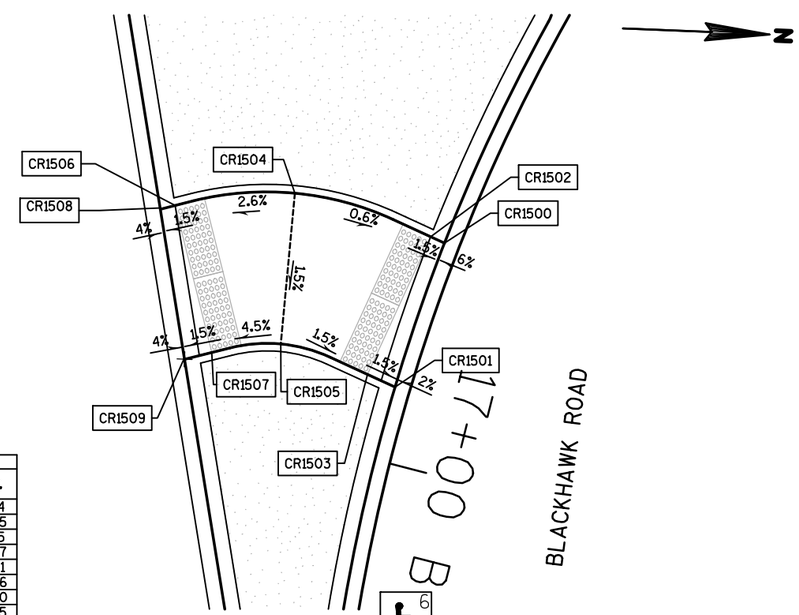
CR-13 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR1300	129+53.12	24.26'RT	1016.96
CR1301	129+53.13	24.87'RT	1016.97
CR1302	129+43.12	24.58'RT	1016.79
CR1303	129+43.13	25.08'RT	1016.80
CR1304	129+53.31	33.37'RT	1017.54
CR1305	129+43.31	33.58'RT	1017.39
CR1306	129+43.69	43.57'RT	1017.54
CR1307	129+53.53	43.26'RT	1017.69
CR1308	129+53.41	38.26'RT	1017.62
CR1309	129+58.41	38.14'RT	1017.89
CR1310	129+58.53	43.14'RT	1017.96
CR1311	129+63.41	38.06'RT	1018.17
CR1312	129+63.53	43.06'RT	1018.24
CR1315	129+33.32	34.02'RT	1017.44
CR1316	129+33.70	44.02'RT	1017.59



CR-14

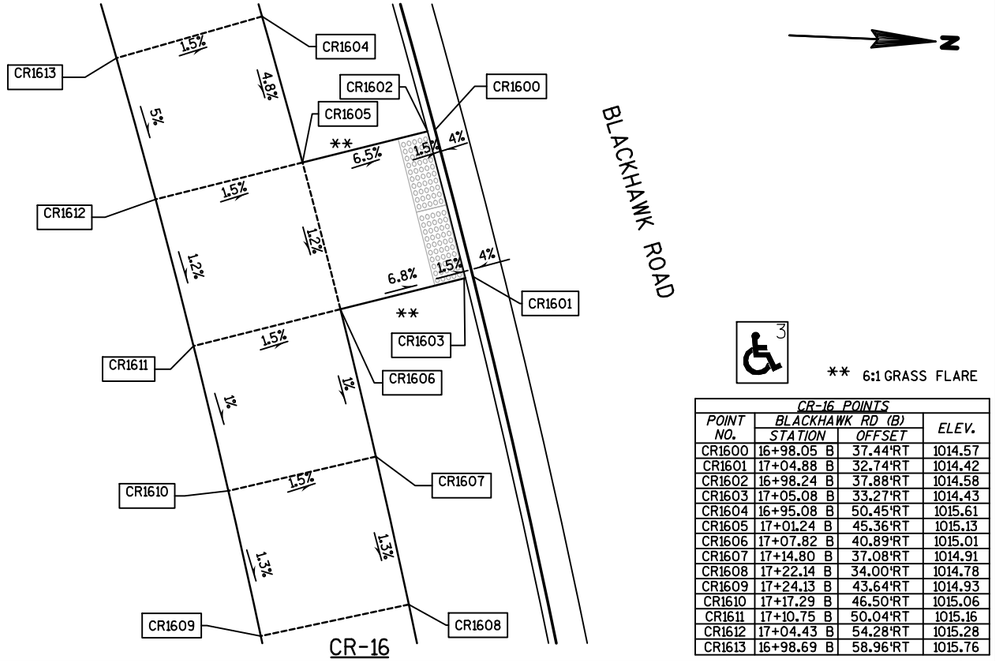
** 6:1 GRASS FLARE

CR-14 POINTS			
POINT NO.	BLACKHAWK RD (B) STATION	OFFSET	ELEV.
CR1400	16+98.40 B	18.50'LT	1014.57
CR1401	16+98.44 B	19.00'LT	1014.58
CR1402	16+86.48 B	19.16'LT	1014.72
CR1403	16+86.57 B	20.20'LT	1014.73
CR1404	17+00.31 B	27.42'LT	1015.00
CR1405	17+16.01 B	26.71'LT	1014.94
CR1406	17+16.74 B	36.70'LT	1015.09
CR1407	17+01.26 B	37.40'LT	1015.15
CR1408	16+88.41 B	38.10'LT	1015.28
CR1409	16+74.67 B	38.98'LT	1015.90
CR1410	16+62.34 B	40.61'LT	1016.49
CR1411	16+62.34 B	31.08'LT	1016.34
CR1412	16+73.08 B	29.04'LT	1015.75
CR1413	16+87.30 B	28.13'LT	1015.13



CR-15

CR-15 POINTS			
POINT NO.	BLACKHAWK RD (B) STATION	OFFSET	ELEV.
CR1500	16+85.09 B	1.00'RT	1015.14
CR1501	16+95.06 B	1.00'RT	1014.95
CR1502	16+85.03 B	2.00'RT	1015.15
CR1503	16+94.78 B	2.98'RT	1014.97
CR1504	16+85.57 B	11.40'RT	1015.21
CR1505	16+94.53 B	9.03'RT	1015.06
CR1506	16+88.69 B	18.53'RT	1015.00
CR1507	16+96.20 B	13.25'RT	1014.85
CR1508	16+89.52 B	20.29'RT	1014.99
CR1509	16+97.32 B	15.80'RT	1014.83



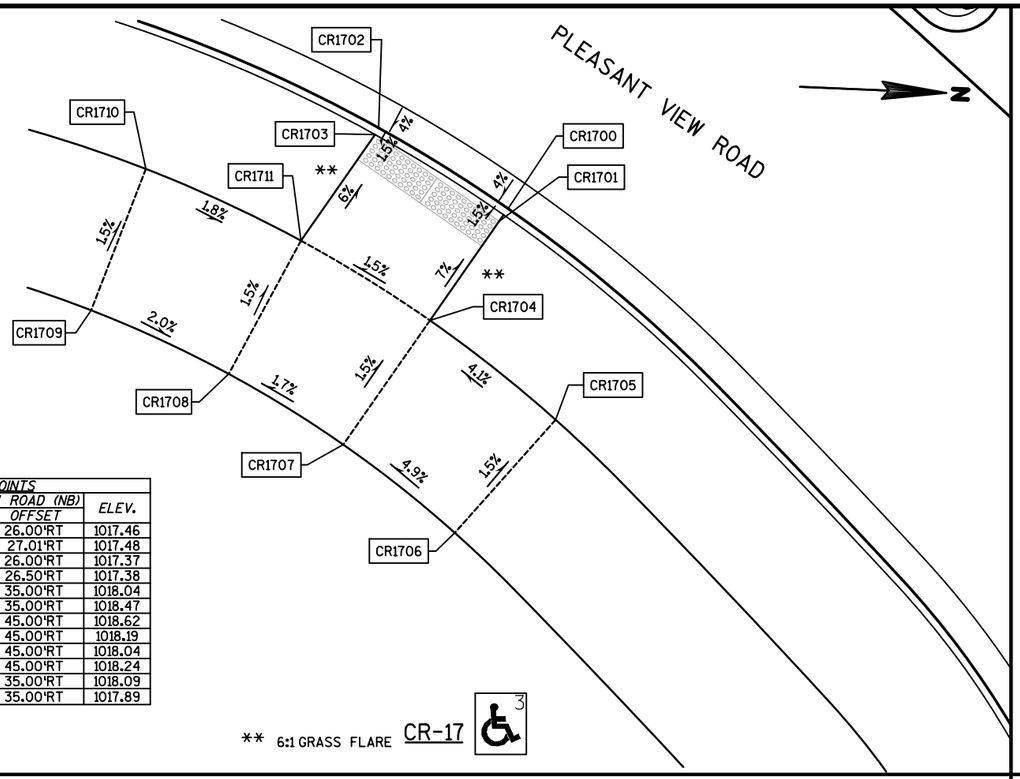
CR-16

** 6:1 GRASS FLARE

CR-16 POINTS			
POINT NO.	BLACKHAWK RD (B) STATION	OFFSET	ELEV.
CR1600	16+98.05 B	37.44'RT	1014.57
CR1601	17+04.88 B	32.74'RT	1014.42
CR1602	16+98.24 B	37.88'RT	1014.58
CR1603	17+05.08 B	33.27'RT	1014.43
CR1604	16+95.08 B	50.45'RT	1015.61
CR1605	17+01.24 B	45.36'RT	1015.13
CR1606	17+07.82 B	40.89'RT	1015.01
CR1607	17+14.80 B	37.08'RT	1014.91
CR1608	17+22.14 B	34.00'RT	1014.78
CR1609	17+24.13 B	43.64'RT	1014.93
CR1610	17+17.29 B	46.50'RT	1015.06
CR1611	17+10.75 B	50.04'RT	1015.16
CR1612	17+04.43 B	54.28'RT	1015.28
CR1613	16+98.69 B	58.96'RT	1015.76

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CURB RAMP DETAILS	SHEET	E

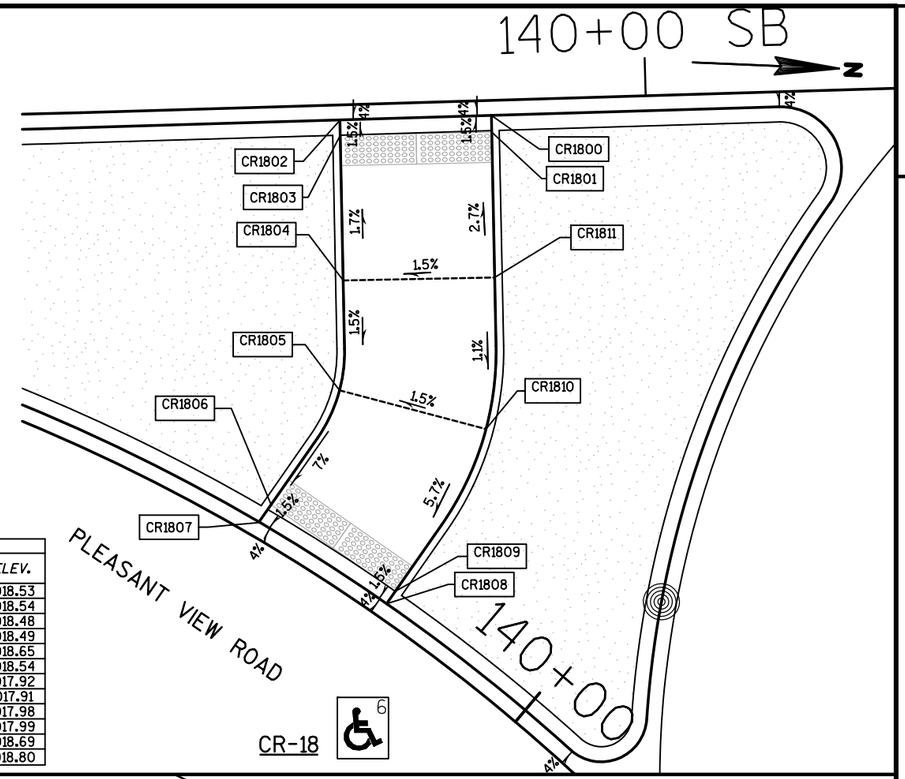
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CR-17 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR1700	139+88.56	26.00'RT	1017.46
CR1701	139+88.56	27.01'RT	1017.48
CR1702	139+75.80	26.00'RT	1017.37
CR1703	139+75.82	26.50'RT	1017.38
CR1704	139+88.56	35.00'RT	1018.04
CR1705	140+03.30	35.00'RT	1018.47
CR1706	140+03.30	45.00'RT	1018.62
CR1707	139+88.56	45.00'RT	1018.19
CR1708	139+74.60	45.00'RT	1018.04
CR1709	139+58.88	45.00'RT	1018.24
CR1710	139+58.88	35.00'RT	1018.09
CR1711	139+74.60	35.00'RT	1017.89

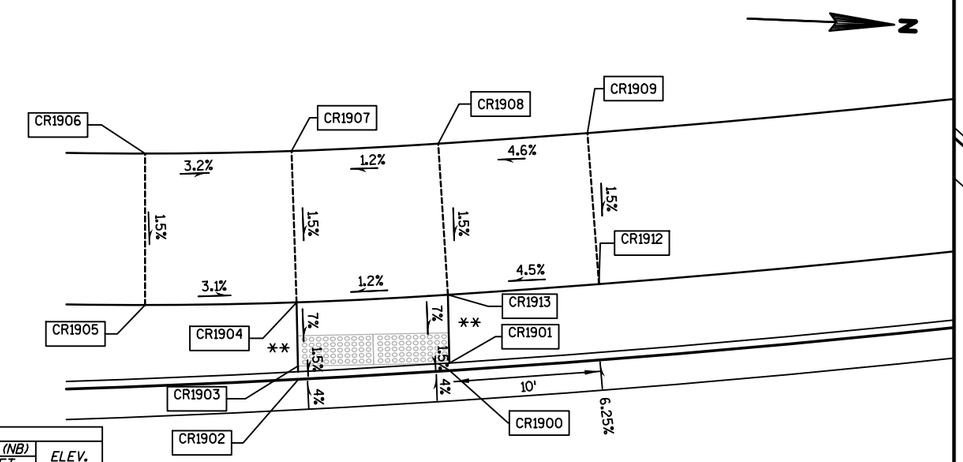
** 6:1 GRASS FLARE

CR-17



CR-18 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR1800	139+78.39	31.91'LT	1018.53
CR1801	139+78.84	30.97'LT	1018.54
CR1802	139+71.41	26.86'LT	1018.48
CR1803	139+71.80	25.97'LT	1018.49
CR1804	139+75.78	17.60'LT	1018.65
CR1805	139+78.82	11.18'LT	1018.54
CR1806	139+78.74	2.40'LT	1017.92
CR1807	139+78.71	1.00'LT	1017.91
CR1808	139+88.56	1.00'LT	1017.98
CR1809	139+88.56	2.00'LT	1017.99
CR1810	139+87.46	14.21'LT	1018.69
CR1811	139+83.09	22.88'LT	1018.80

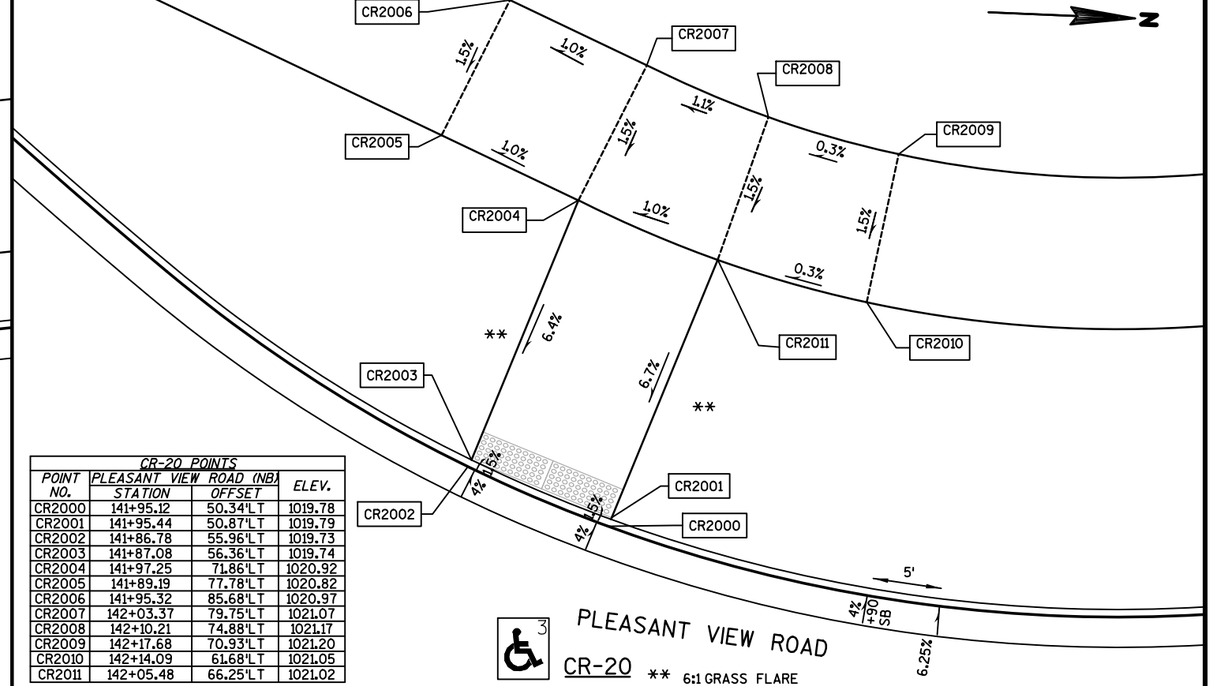
CR-18



** 6:1 GRASS FLARE

CR-19 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR1900	139+69.17	54.16'LT	1018.13
CR1901	139+68.99	54.59'LT	1018.14
CR1902	139+62.92	49.48'LT	1018.03
CR1903	139+62.65	50.28'LT	1018.04
CR1904	139+61.46	54.12'LT	1018.33
CR1905	139+54.93	50.40'LT	1018.64
CR1906	139+52.69	59.86'LT	1018.79
CR1907	139+58.73	63.28'LT	1018.48
CR1908	139+64.47	67.43'LT	1018.60
CR1909	139+69.99	72.24'LT	1019.05
CR1910	139+73.37	63.71'LT	1018.90
CR1911	139+67.60	58.62'LT	1018.45

CR-19 140+00 SB



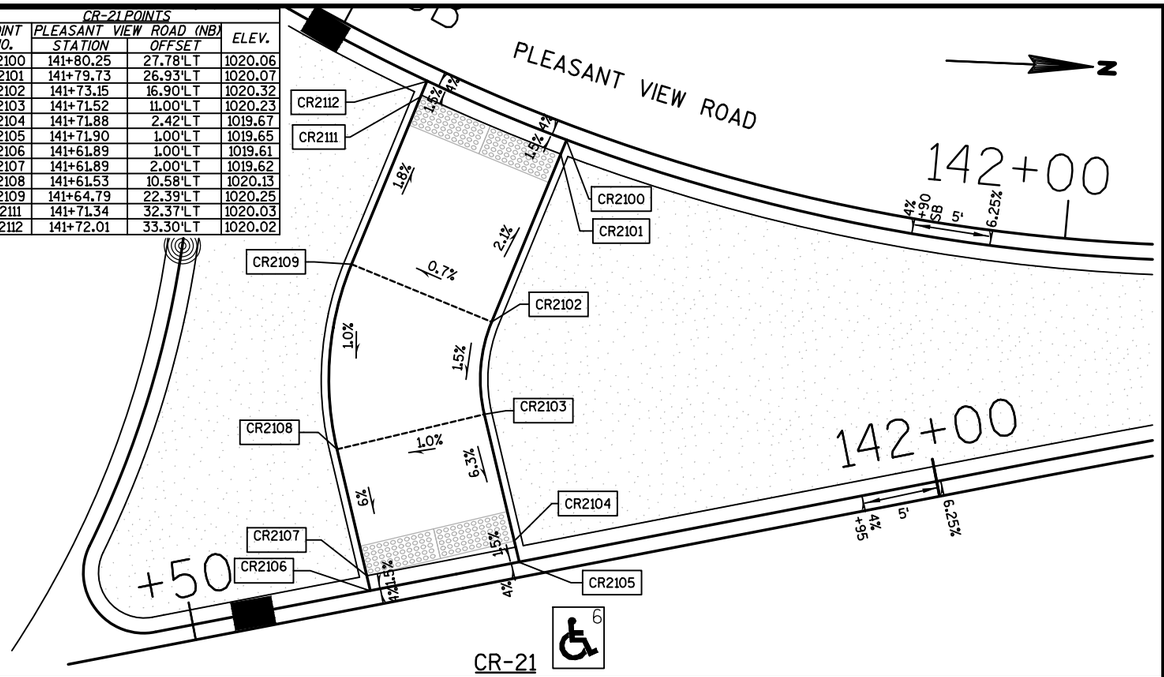
CR-20 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR2000	141+95.12	50.34'LT	1019.78
CR2001	141+95.44	50.87'LT	1019.79
CR2002	141+86.78	55.96'LT	1019.73
CR2003	141+87.08	56.36'LT	1019.74
CR2004	141+97.25	71.86'LT	1020.92
CR2005	141+89.19	77.78'LT	1020.82
CR2006	141+95.32	85.68'LT	1020.97
CR2007	142+03.37	79.75'LT	1021.07
CR2008	142+10.21	74.88'LT	1021.17
CR2009	142+17.68	70.93'LT	1021.20
CR2010	142+14.09	61.68'LT	1021.05
CR2011	142+05.48	66.25'LT	1021.02

CR-20 ** 6:1 GRASS FLARE

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CURB RAMP DETAILS	SHEET	E

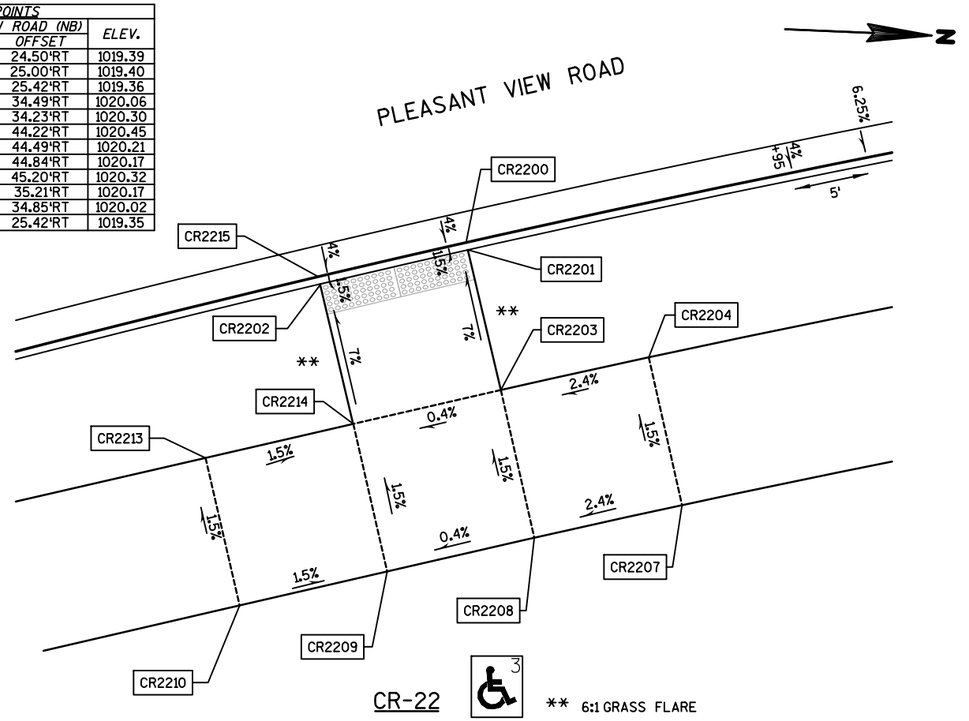
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CR-21 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR2100	141+80.25	27.78'LT	1020.06
CR2101	141+79.73	26.93'LT	1020.07
CR2102	141+73.15	16.90'LT	1020.32
CR2103	141+71.52	11.00'LT	1020.23
CR2104	141+71.88	2.42'LT	1019.67
CR2105	141+71.90	1.00'LT	1019.65
CR2106	141+61.89	1.00'LT	1019.61
CR2107	141+61.89	2.00'LT	1019.62
CR2108	141+61.53	10.58'LT	1020.13
CR2109	141+64.79	22.39'LT	1020.25
CR2111	141+71.34	32.37'LT	1020.03
CR2112	141+72.01	33.30'LT	1020.02



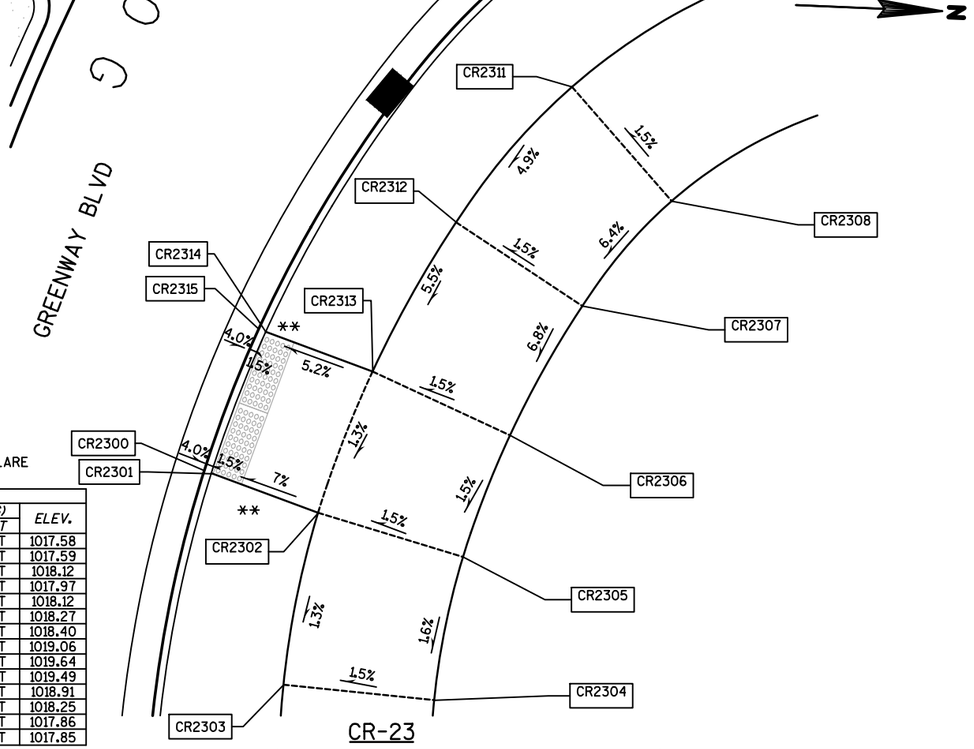
CR-21

CR-22 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR2200	141+73.01	24.50'RT	1019.39
CR2201	141+73.02	25.00'RT	1019.40
CR2202	141+63.03	25.42'RT	1019.36
CR2203	141+73.42	34.49'RT	1020.06
CR2204	141+83.42	34.23'RT	1020.30
CR2207	141+83.73	44.22'RT	1020.45
CR2208	141+73.74	44.49'RT	1020.21
CR2209	141+63.79	44.84'RT	1020.17
CR2210	141+53.79	45.20'RT	1020.32
CR2213	141+53.43	35.21'RT	1020.17
CR2214	141+63.43	34.85'RT	1020.02
CR2215	141+63.03	25.42'RT	1019.35



CR-22

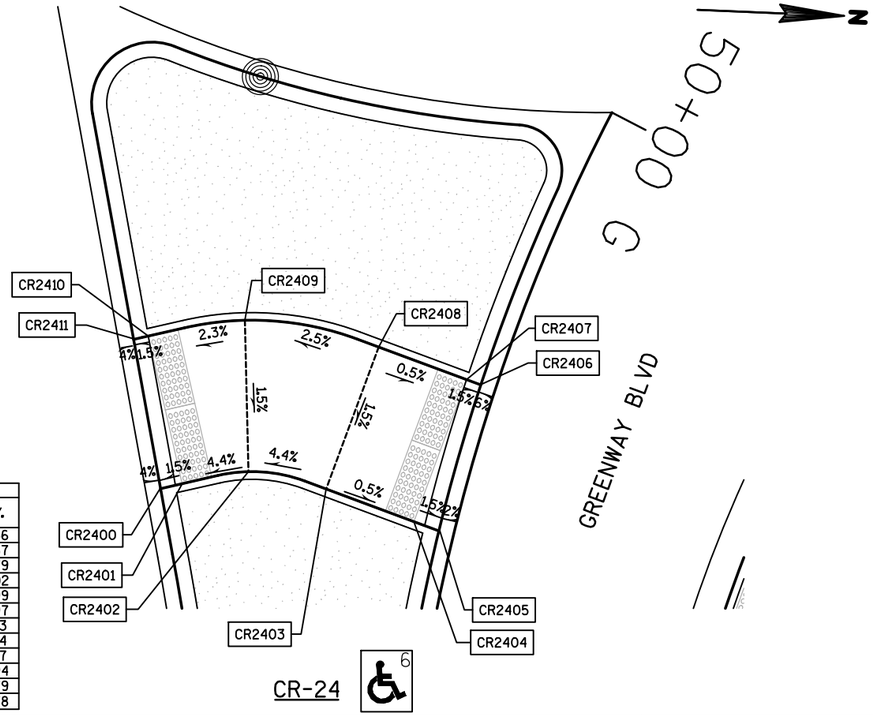
** 6:1 GRASS FLARE



CR-23

** 6:1 GRASS FLARE

CR-23 POINTS			
POINT NO.	GREENWAY BLVD (G) STATION	OFFSET	ELEV.
CR2300	50+32.48	18.42'LT	1017.58
CR2301	50+32.58	19.04'LT	1017.59
CR2302	50+33.87	26.36'LT	1018.12
CR2303	50+48.48	25.79'LT	1017.97
CR2304	50+48.64	35.79'LT	1018.12
CR2305	50+35.10	36.32'LT	1018.27
CR2306	50+22.99	37.37'LT	1018.40
CR2307	50+09.09	38.93'LT	1019.06
CR2308	141+36.33 NB	56.02'RT	1019.64
CR2311	141+28.46 NB	50.57'RT	1019.49
CR2312	50+06.75	29.08'LT	1018.91
CR2313	50+21.19	27.46'LT	1018.25
CR2314	50+20.78	19.94'LT	1017.86
CR2315	50+20.75	19.44'LT	1017.85

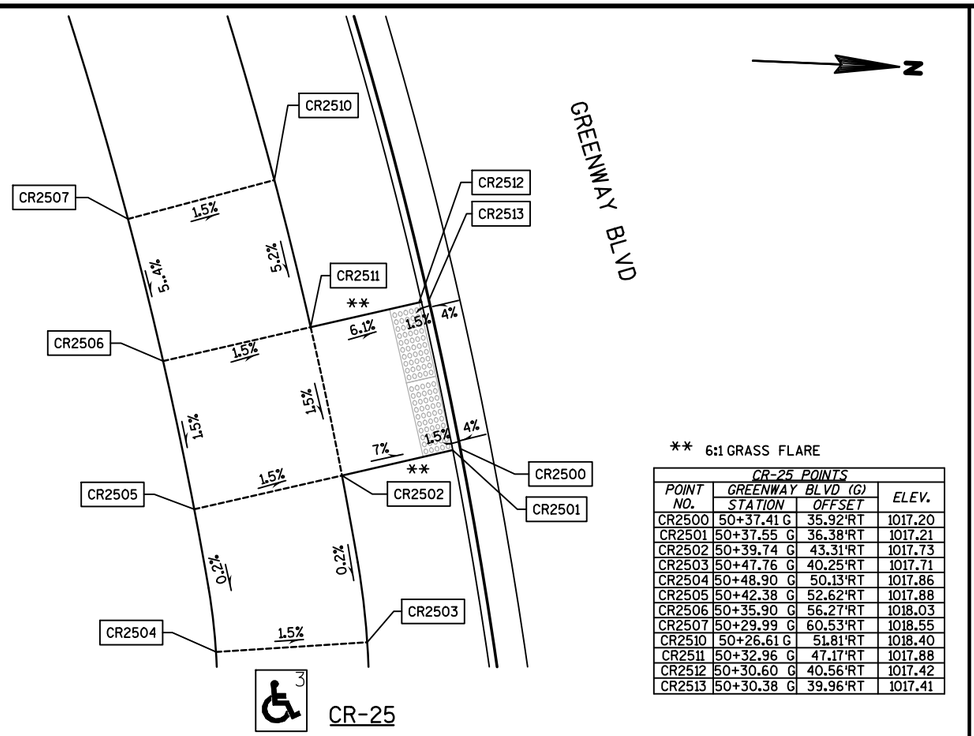


CR-24

CR-24 POINTS			
POINT NO.	GREENWAY BLVD (G) STATION	OFFSET	ELEV.
CR2400	50+31.22 G	19.53'RT	1017.56
CR2401	50+30.70 G	18.20'RT	1017.57
CR2402	50+29.10 G	14.14'RT	1017.79
CR2403	50+28.97 G	8.89'RT	1018.02
CR2404	50+29.63 G	2.75'RT	1017.99
CR2405	50+29.71 G	1.00'RT	1017.97
CR2406	50+19.84 G	1.00'RT	1018.13
CR2407	50+19.84 G	2.00'RT	1018.14
CR2408	50+19.63 G	8.18'RT	1018.17
CR2409	50+20.61 G	17.13'RT	1017.94
CR2410	50+23.11 G	22.90'RT	1017.79
CR2411	50+23.49 G	23.79'RT	1017.78

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CURB RAMP DETAILS	SHEET	E

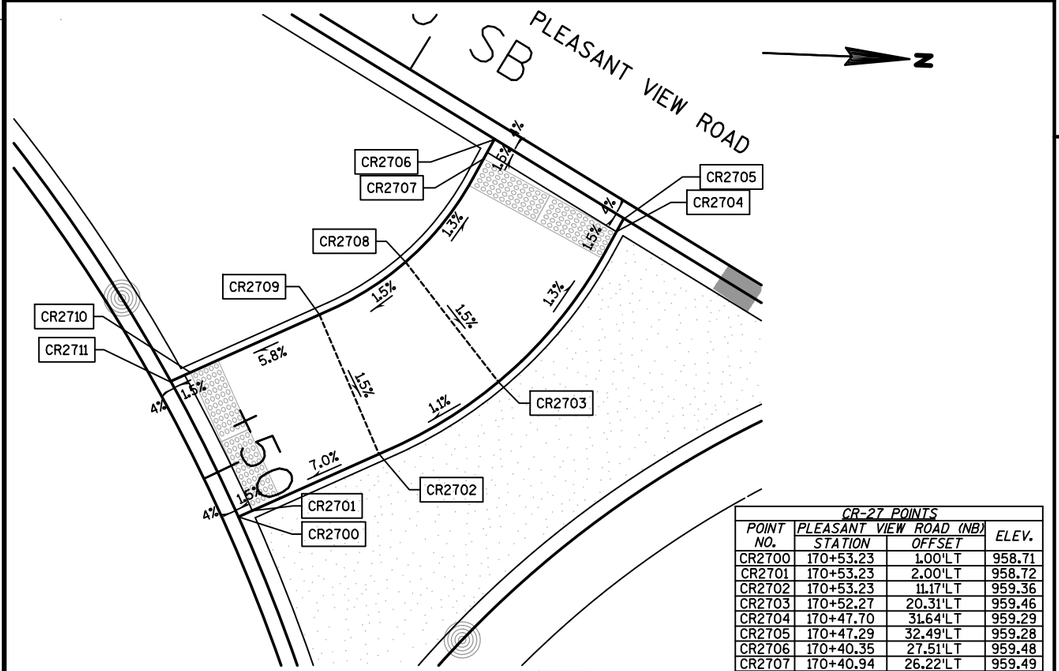
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CR-25

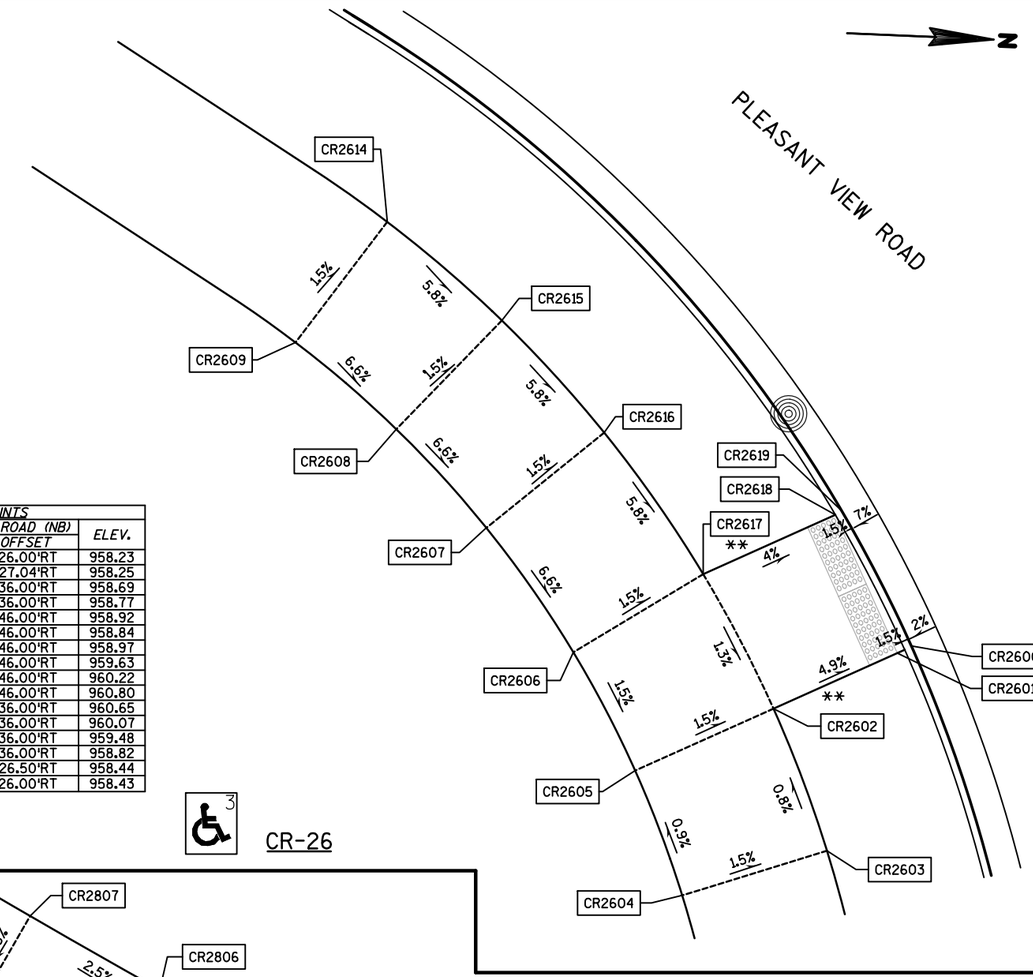
** 6:1 GRASS FLARE

CR-25 POINTS			
POINT NO.	GREENWAY BLVD (G) STATION	OFFSET	ELEV.
CR2500	50+37.41 G	35.92'RT	1017.20
CR2501	50+37.55 G	36.38'RT	1017.21
CR2502	50+39.74 G	43.31'RT	1017.73
CR2503	50+47.76 G	40.25'RT	1017.71
CR2504	50+48.90 G	50.13'RT	1017.86
CR2505	50+42.38 G	52.62'RT	1017.88
CR2506	50+35.90 G	56.27'RT	1018.03
CR2507	50+29.99 G	60.53'RT	1018.55
CR2510	50+26.61 G	51.81'RT	1018.40
CR2511	50+32.96 G	47.17'RT	1017.88
CR2512	50+30.60 G	40.56'RT	1017.42
CR2513	50+30.38 G	39.96'RT	1017.41



CR-27

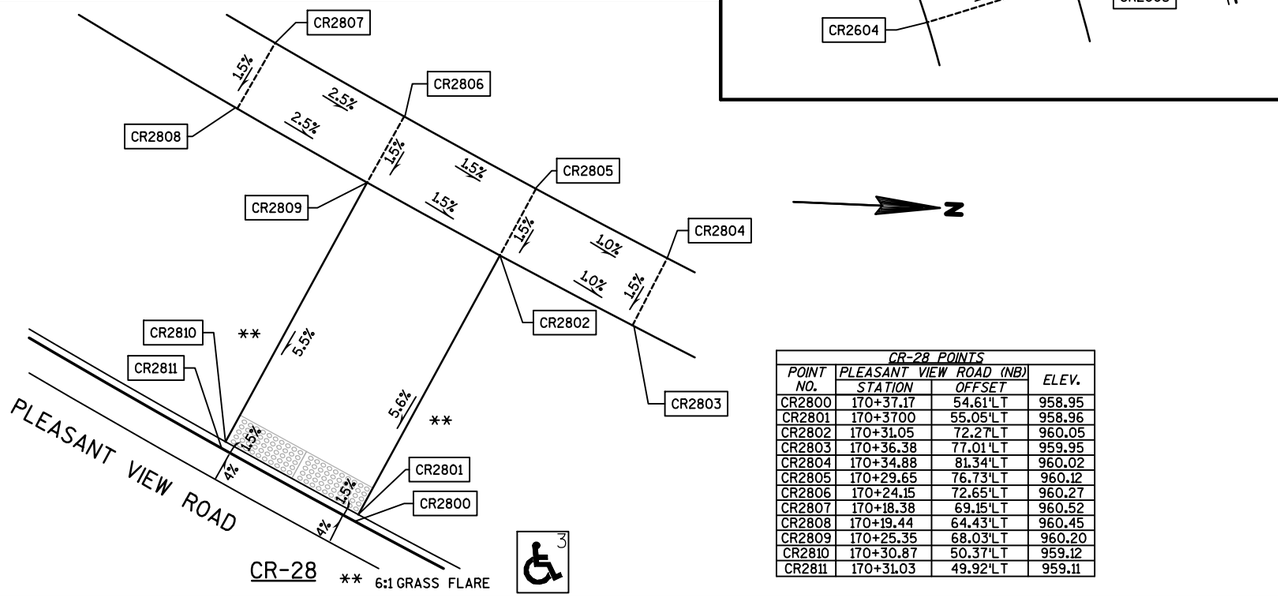
CR-27 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR2700	170+53.23	1.00'LT	958.71
CR2701	170+53.23	2.00'LT	958.72
CR2702	170+53.23	11.17'LT	959.36
CR2703	170+52.27	20.31'LT	959.46
CR2704	170+47.70	31.64'LT	959.29
CR2705	170+47.29	32.49'LT	959.28
CR2706	170+40.35	27.51'LT	959.48
CR2707	170+40.94	26.22'LT	959.49
CR2708	170+43.82	18.37'LT	959.61
CR2709	170+44.12	11.73'LT	959.51
CR2710	170+43.42	2.41'LT	958.94
CR2711	170+43.38	1.00'LT	958.93



CR-26

** 6:1 GRASS FLARE

CR-26 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR2600	170+53.16	26.00'RT	958.23
CR2601	170+53.23	27.04'RT	958.25
CR2602	170+53.23	36.00'RT	958.69
CR2603	170+67.60	36.00'RT	958.77
CR2604	170+67.60	46.00'RT	958.92
CR2605	170+53.23	46.00'RT	958.84
CR2606	170+38.86	46.00'RT	958.97
CR2607	170+22.51	46.00'RT	959.63
CR2608	170+08.13	46.00'RT	960.22
CR2609	169+93.81	46.00'RT	960.80
CR2614	169+93.81	36.00'RT	960.65
CR2615	170+08.13	36.00'RT	960.07
CR2616	170+22.51	36.00'RT	959.48
CR2617	170+38.86	36.00'RT	958.82
CR2618	170+40.34	26.50'RT	958.44
CR2619	170+40.34	26.00'RT	958.43

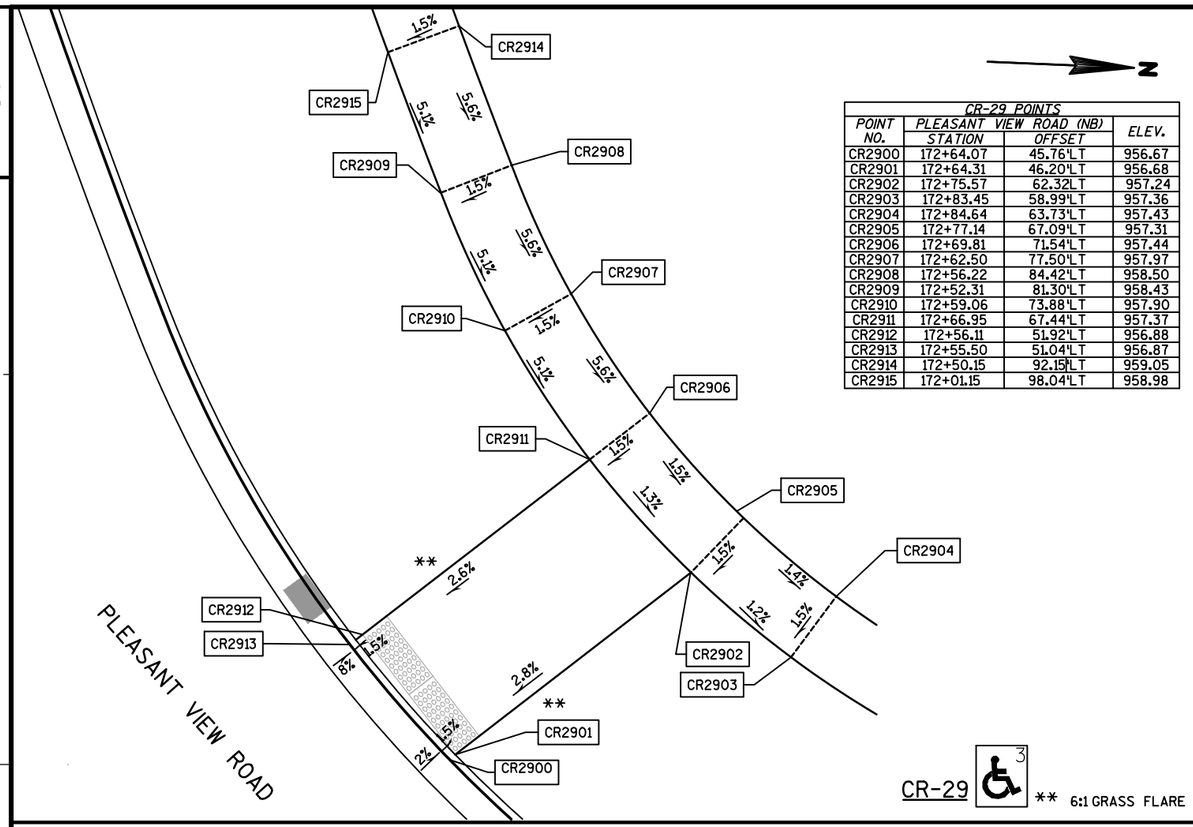


CR-28

** 6:1 GRASS FLARE

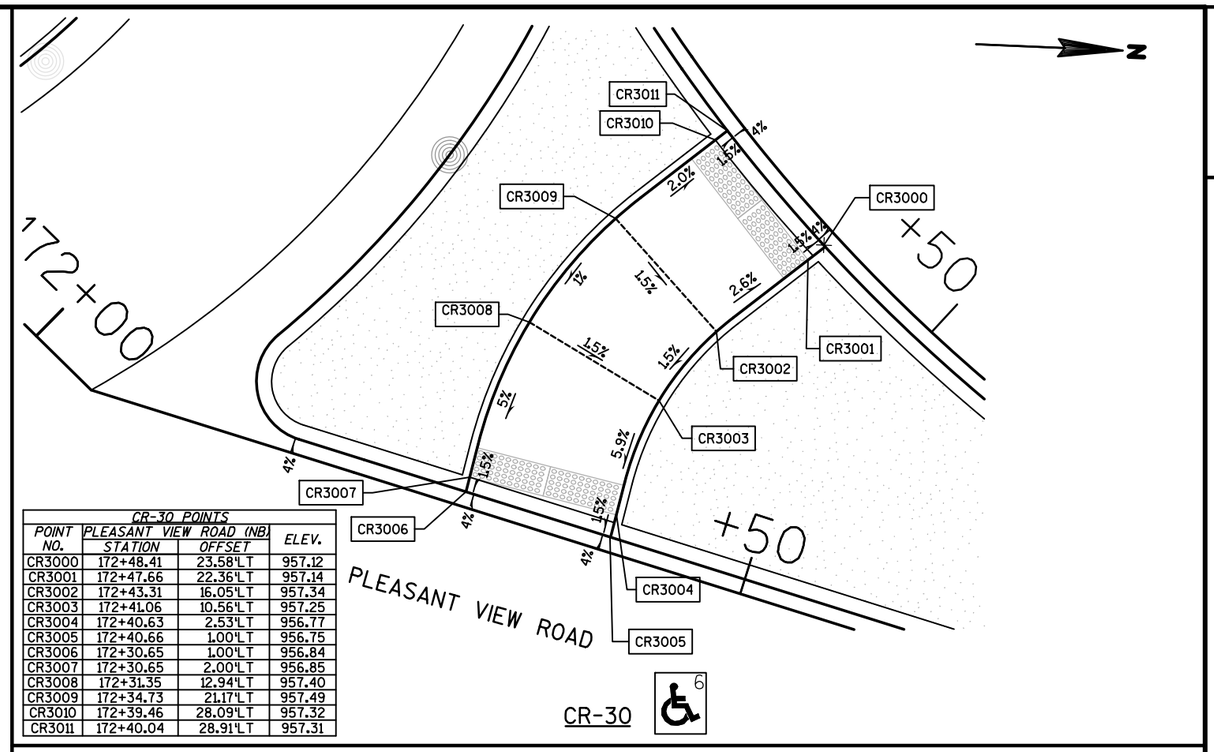
CR-28 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR2800	170+37.17	54.61'LT	958.95
CR2801	170+3700	55.05'LT	958.96
CR2802	170+31.05	72.27'LT	960.05
CR2803	170+36.38	77.01'LT	959.95
CR2804	170+34.88	81.34'LT	960.02
CR2805	170+29.65	76.73'LT	960.12
CR2806	170+24.15	72.65'LT	960.27
CR2807	170+18.38	69.15'LT	960.52
CR2808	170+19.44	64.43'LT	960.45
CR2809	170+25.35	68.03'LT	960.20
CR2810	170+30.87	50.37'LT	959.12
CR2811	170+31.03	49.92'LT	959.11

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CURB RAMP DETAILS	SHEET 105	E



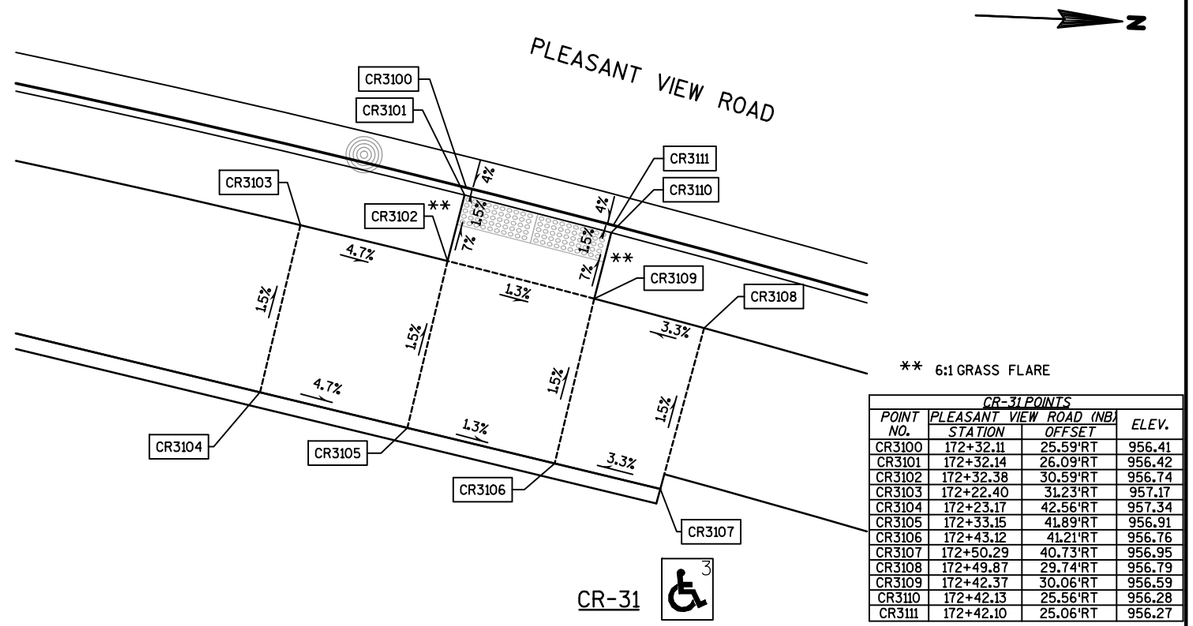
CR-29 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR2900	172+64.07	45.76'LT	956.67
CR2901	172+64.31	46.20'LT	956.68
CR2902	172+75.57	62.32'LT	957.24
CR2903	172+83.45	58.99'LT	957.36
CR2904	172+84.64	63.73'LT	957.43
CR2905	172+77.14	67.09'LT	957.31
CR2906	172+69.81	71.54'LT	957.44
CR2907	172+62.50	77.50'LT	957.97
CR2908	172+56.22	84.42'LT	958.50
CR2909	172+52.31	81.30'LT	958.43
CR2910	172+59.06	73.88'LT	957.90
CR2911	172+66.95	67.44'LT	957.37
CR2912	172+56.11	51.92'LT	956.88
CR2913	172+55.50	51.04'LT	956.87
CR2914	172+50.15	92.15'LT	959.05
CR2915	172+01.15	98.04'LT	958.98

CR-29 3 ** 6:1 GRASS FLARE



CR-30 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR3000	172+48.41	23.58'LT	957.12
CR3001	172+47.66	22.36'LT	957.14
CR3002	172+43.31	16.05'LT	957.34
CR3003	172+41.06	10.56'LT	957.25
CR3004	172+40.63	2.53'LT	956.77
CR3005	172+40.66	1.00'LT	956.75
CR3006	172+30.65	1.00'LT	956.84
CR3007	172+30.65	2.00'LT	956.85
CR3008	172+31.35	12.94'LT	957.40
CR3009	172+34.73	21.17'LT	957.49
CR3010	172+39.46	28.09'LT	957.32
CR3011	172+40.04	28.91'LT	957.31

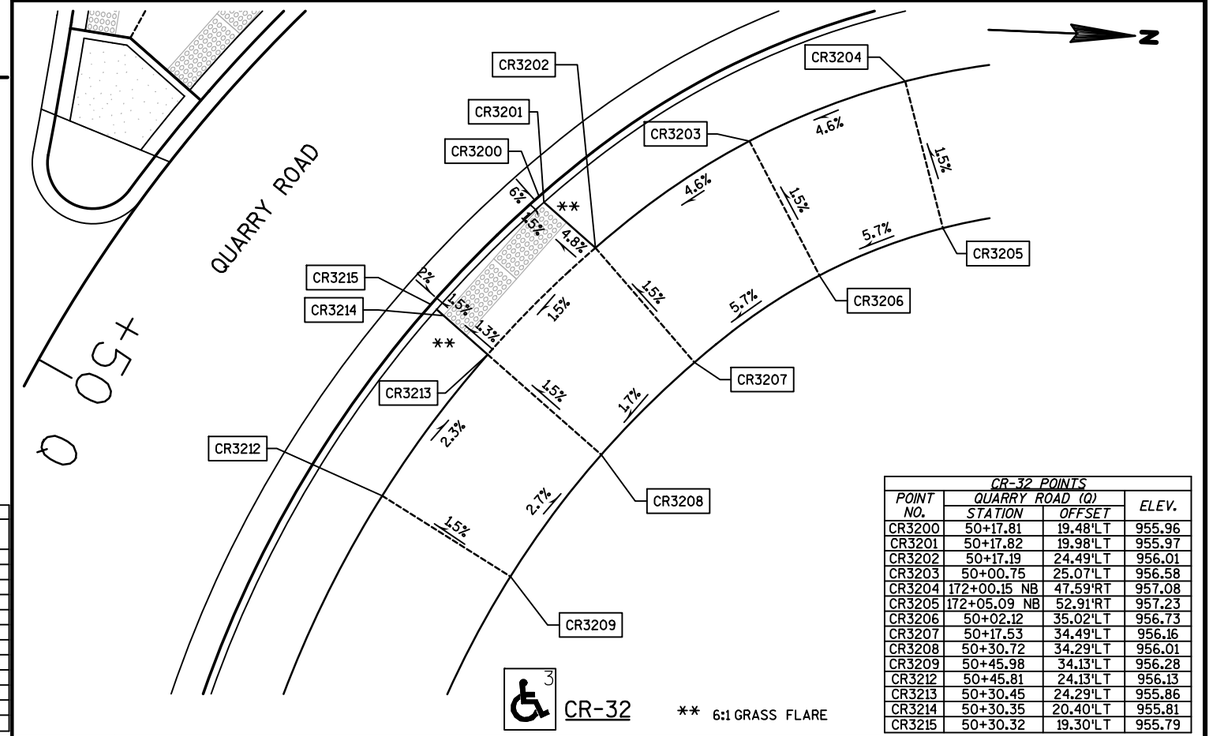
CR-30 6



** 6:1 GRASS FLARE

CR-31 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR3100	172+32.11	25.59'RT	956.41
CR3101	172+32.14	26.09'RT	956.42
CR3102	172+32.38	30.59'RT	956.74
CR3103	172+22.40	31.23'RT	957.17
CR3104	172+23.17	42.56'RT	957.34
CR3105	172+33.15	41.89'RT	956.91
CR3106	172+43.12	41.21'RT	956.76
CR3107	172+50.29	40.73'RT	956.95
CR3108	172+49.87	29.74'RT	956.79
CR3109	172+42.37	30.06'RT	956.59
CR3110	172+42.13	25.56'RT	956.28
CR3111	172+42.10	25.06'RT	956.27

CR-31 3

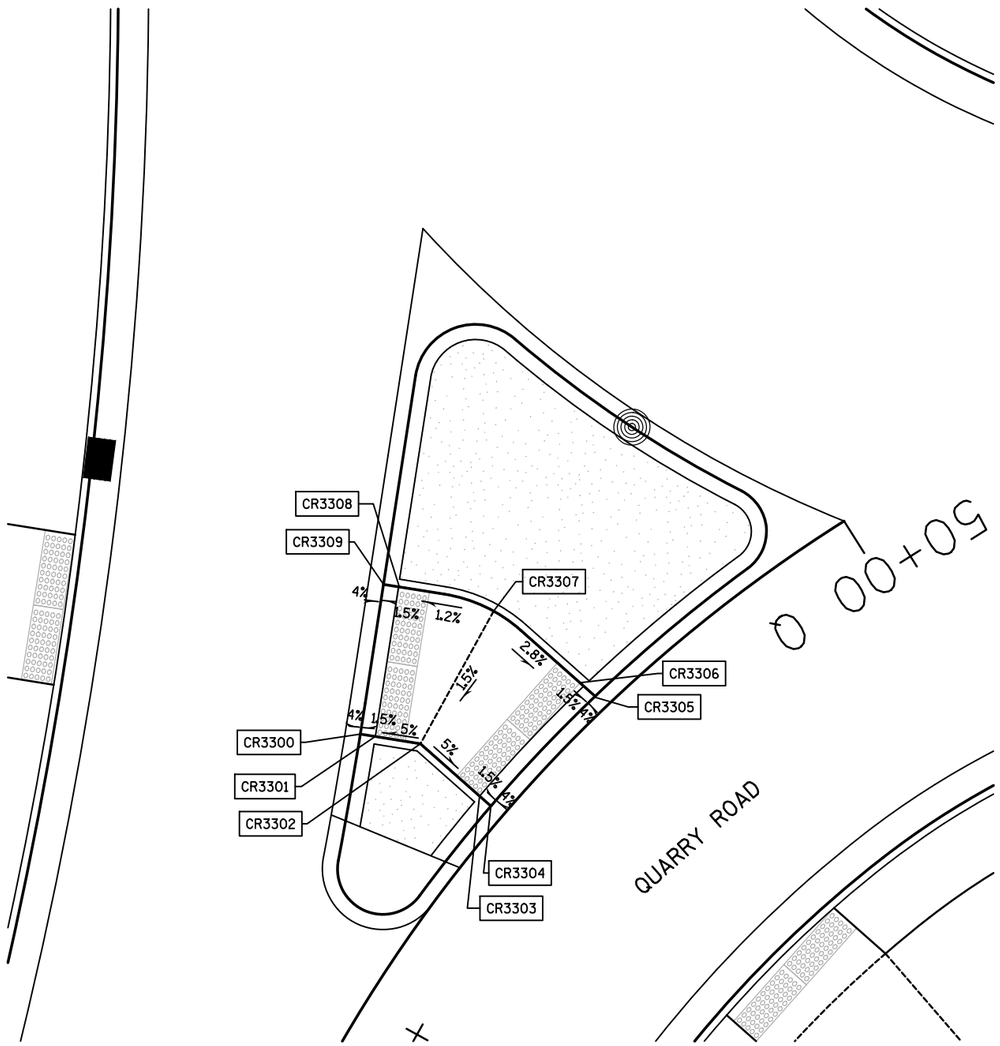


CR-32 POINTS			
POINT NO.	QUARRY ROAD (Q) STATION	OFFSET	ELEV.
CR3200	50+17.81	19.48'LT	955.96
CR3201	50+17.82	19.98'LT	955.97
CR3202	50+17.19	24.49'LT	956.01
CR3203	50+00.75	25.07'LT	956.58
CR3204	172+00.15 NB	47.59'RT	957.08
CR3205	172+05.09 NB	52.91'RT	957.23
CR3206	50+02.12	35.02'LT	956.73
CR3207	50+17.53	34.49'LT	956.16
CR3208	50+30.72	34.29'LT	956.01
CR3209	50+45.98	34.13'LT	956.28
CR3212	50+45.81	24.13'LT	956.13
CR3213	50+30.45	24.29'LT	955.86
CR3214	50+30.35	20.40'LT	955.81
CR3215	50+30.32	19.30'LT	955.79

CR-32 3 ** 6:1 GRASS FLARE

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CURB RAMP DETAILS	SHEET	E

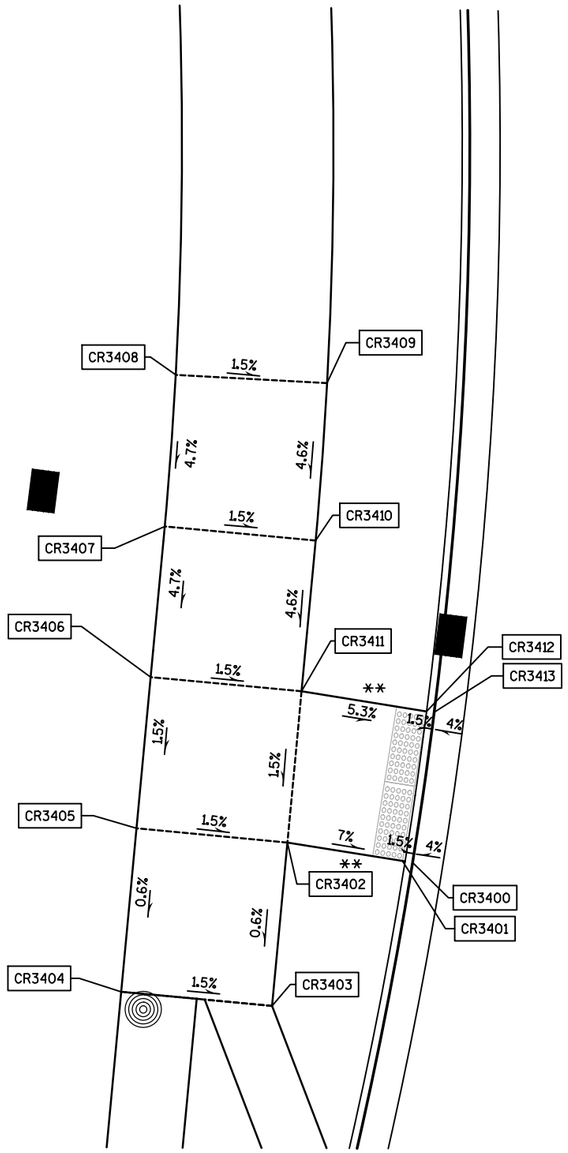
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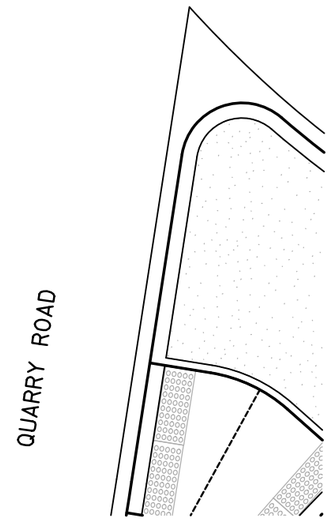
CR-33 POINTS

POINT NO.	QUARRY ROAD (Q) STATION	OFFSET	ELEV.
CR3300	50+31.72 Q	10.66'RT	956.26
CR3301	50+31.26 Q	9.79'RT	956.27
CR3302	50+29.82 Q	7.21'RT	956.42
CR3303	50+29.90 Q	2.00'RT	956.16
CR3304	50+29.90 Q	1.00'RT	956.15
CR3305	50+20.08 Q	1.00'RT	956.34
CR3306	50+20.11 Q	2.33'RT	956.35
CR3307	50+20.88 Q	9.69'RT	956.57
CR3308	50+23.79 Q	15.22'RT	956.49
CR3309	50+24.32 Q	16.09'RT	956.48

CR-33 6



CR-34 3



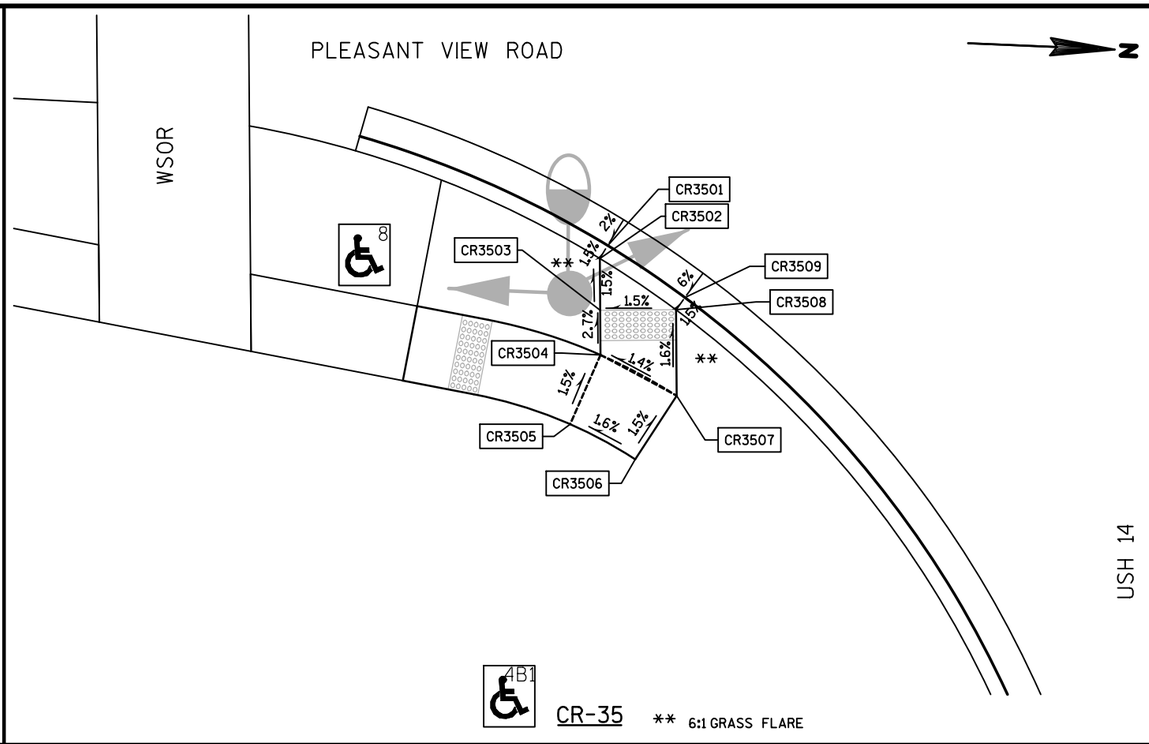
CR-34 POINTS

POINT NO.	QUARRY ROAD (Q) STATION	OFFSET	ELEV.
CR3400	50+39.63 Q	28.30'RT	955.91
CR3401	50+39.86 Q	28.90'RT	955.92
CR3402	50+42.33 Q	35.87'RT	956.47
CR3403	50+49.62 Q	31.11'RT	956.40
CR3404	50+52.51 Q	40.31'RT	956.55
CR3405	50+45.59 Q	44.77'RT	956.62
CR3406	50+39.57 Q	49.48'RT	956.77
CR3407	50+33.96 Q	54.68'RT	957.24
CR3408	50+28.79 Q	60.53'RT	957.71
CR3409	50+24.74 Q	52.79'RT	957.56
CR3410	50+30.24 Q	46.39'RT	957.09
CR3411	50+36.05 Q	40.88'RT	956.62
CR3412	50+33.11 Q	33.55'RT	956.18
CR3413	50+32.91 Q	33.13'RT	956.17

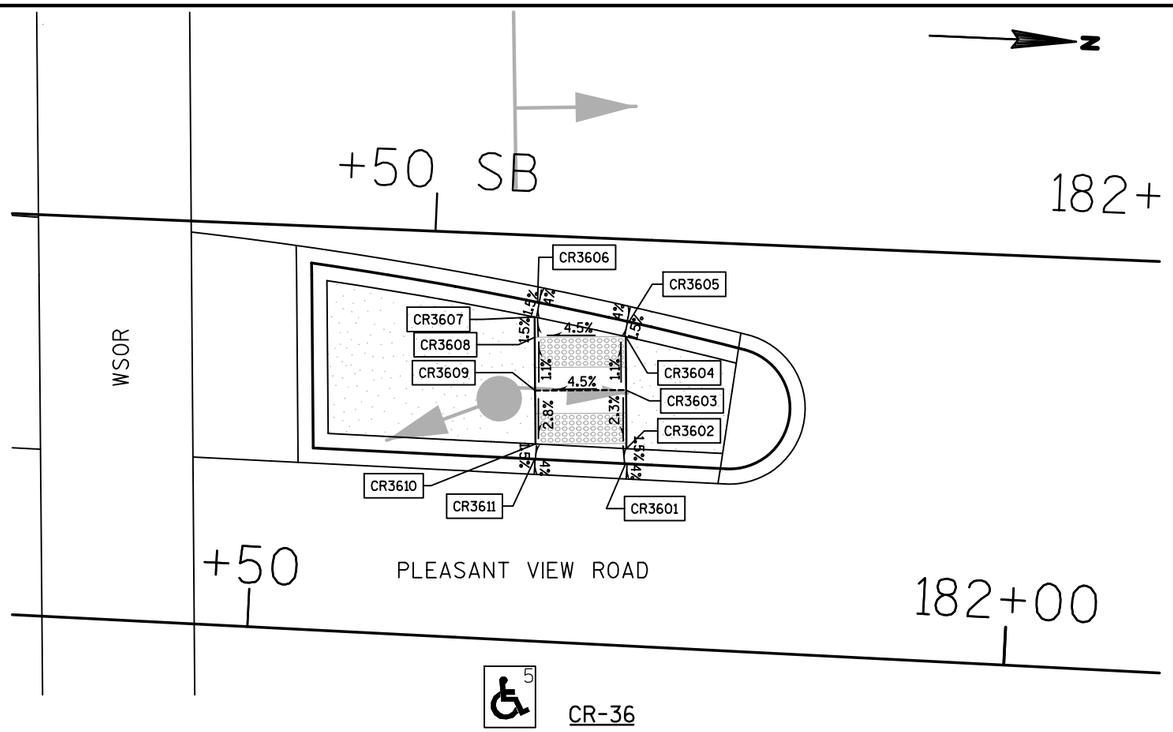
CR-35 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR3501	181+72.36	38.21'RT	951.28
CR3502	181+71.88	39.09'RT	951.29
CR3503	181+72.08	42.50'RT	951.34
CR3504	181+72.25	45.44'RT	951.42
CR3505	181+70.48	50.11'RT	951.49
CR3506	181+74.89	52.21'RT	951.57
CR3507	181+77.40	47.89'RT	951.50
CR3508	181+77.07	42.21'RT	951.41
CR3509	181+77.62	41.38'RT	951.40

CR-36 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR3601	181+74.39	12.00'LT	951.65
CR3602	181+74.39	13.00'LT	951.66
CR3603	181+74.17	16.86'LT	951.75
CR3604	181+73.97	20.38'LT	951.71
CR3605	181+74.14	21.37'LT	951.70
CR3606	181+68.05	22.35'LT	951.41
CR3607	181+67.90	21.36'LT	951.42
CR3608	181+67.98	20.04'LT	951.44
CR3609	181+68.18	16.52'LT	951.48
CR3610	181+68.38	13.00'LT	951.38
CR3611	181+68.38	12.00'LT	951.37

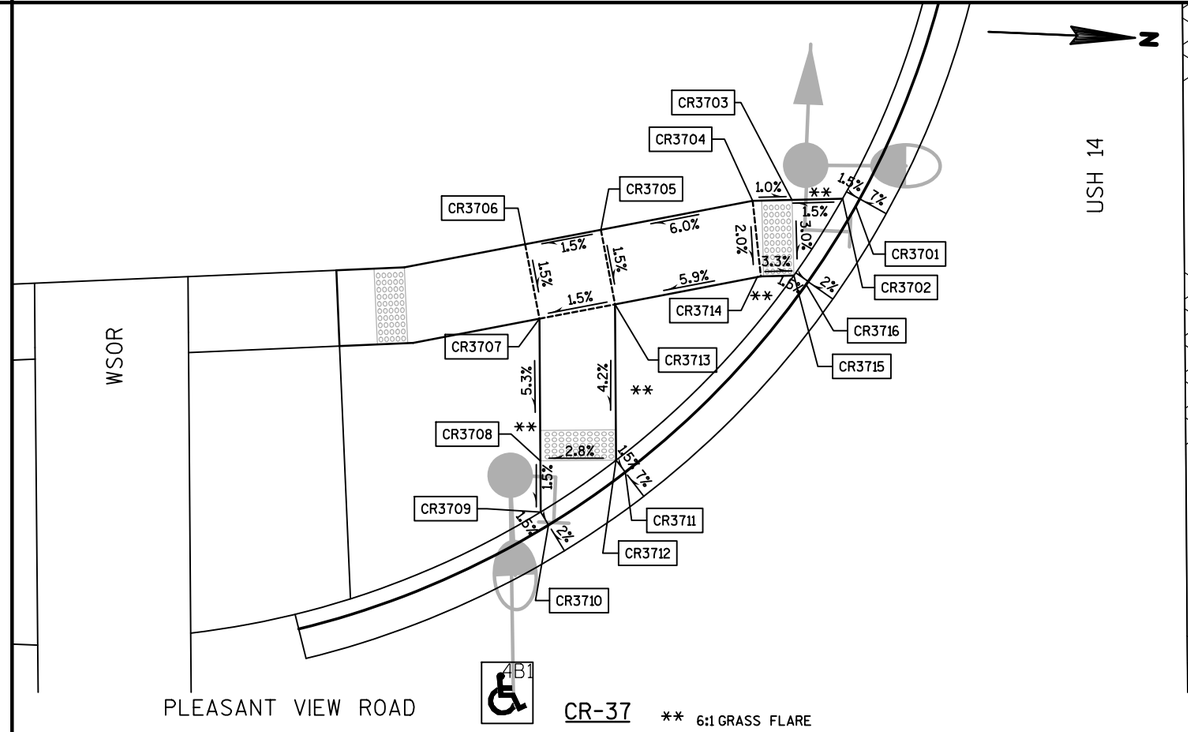
CR-37 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR3701	181+85.51	88.64'LT	952.88
CR3702	181+84.61	89.08'LT	952.89
CR3703	181+81.27	88.83'LT	952.84
CR3704	181+78.69	88.63'LT	952.87
CR3705	181+68.78	86.21'LT	952.26
CR3706	181+63.84	85.01'LT	952.19
CR3707	181+65.02	80.15'LT	952.12
CR3708	181+65.56	70.79'LT	951.62
CR3709	181+65.75	67.41'LT	951.57
CR3710	181+66.32	66.59'LT	951.56
CR3711	181+71.20	70.32'LT	951.75
CR3712	181+70.55	71.08'LT	951.76
CR3713	181+69.96	81.35 'LT	952.19
CR3714	181+79.48	83.68'LT	952.77
CR3715	181+81.65	83.84'LT	952.69
CR3716	181+82.50	83.31'LT	952.68



4B1 CR-35 ** 6:1 GRASS FLARE



5 CR-36



4B1 PLEASANT VIEW ROAD CR-37 ** 6:1 GRASS FLARE

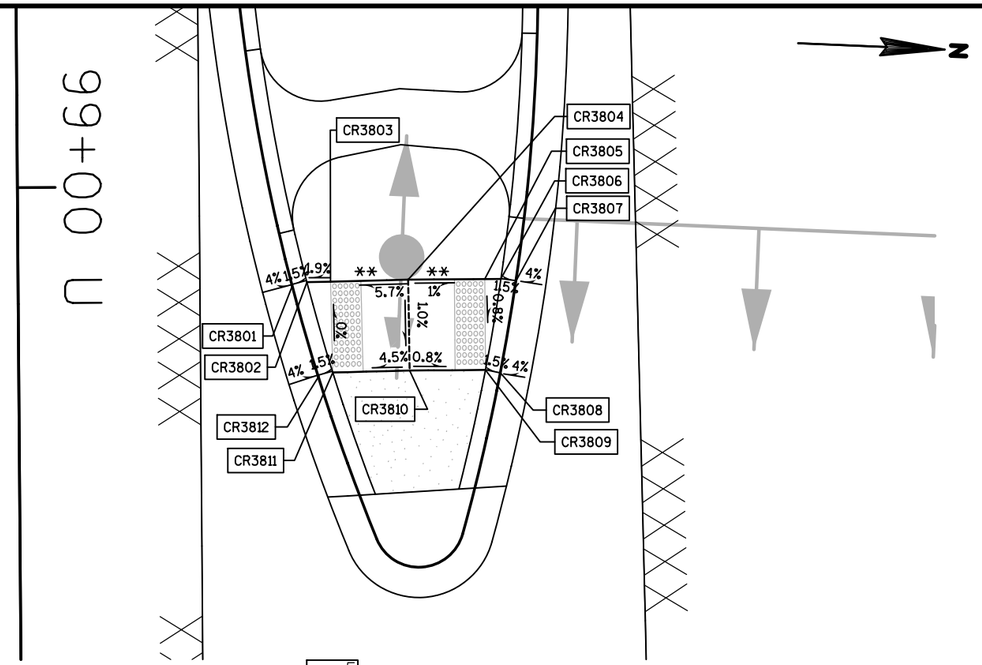
PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CURB RAMP DETAILS	SHEET	E

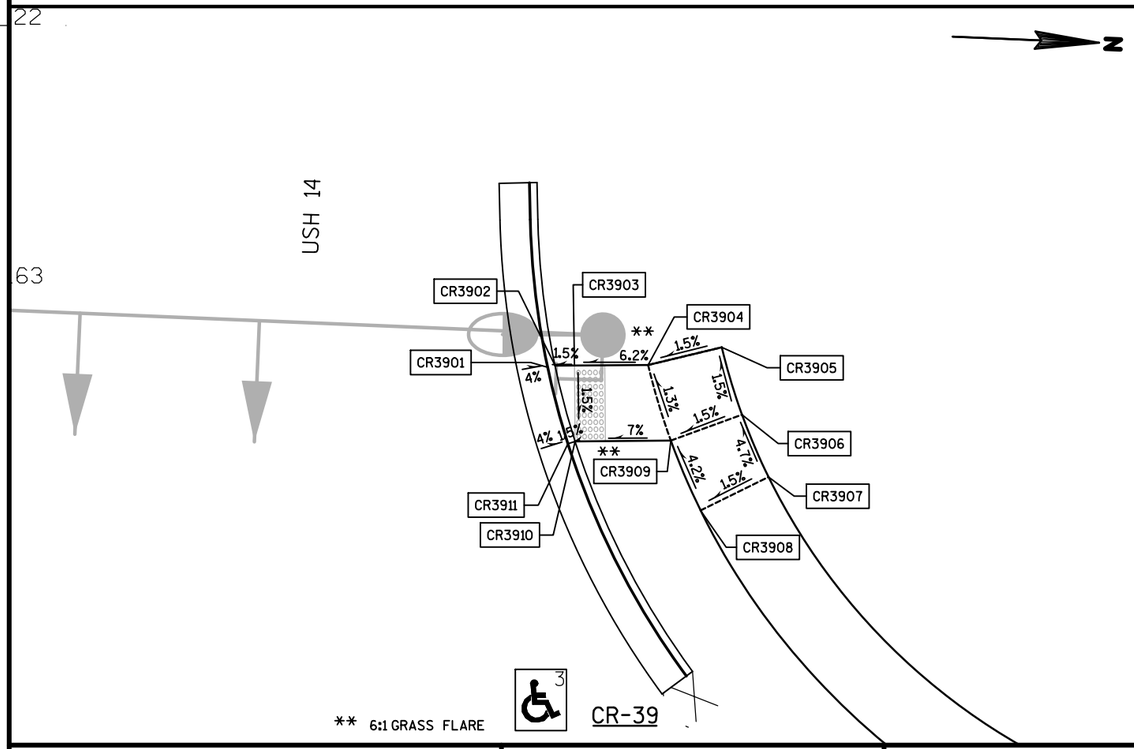
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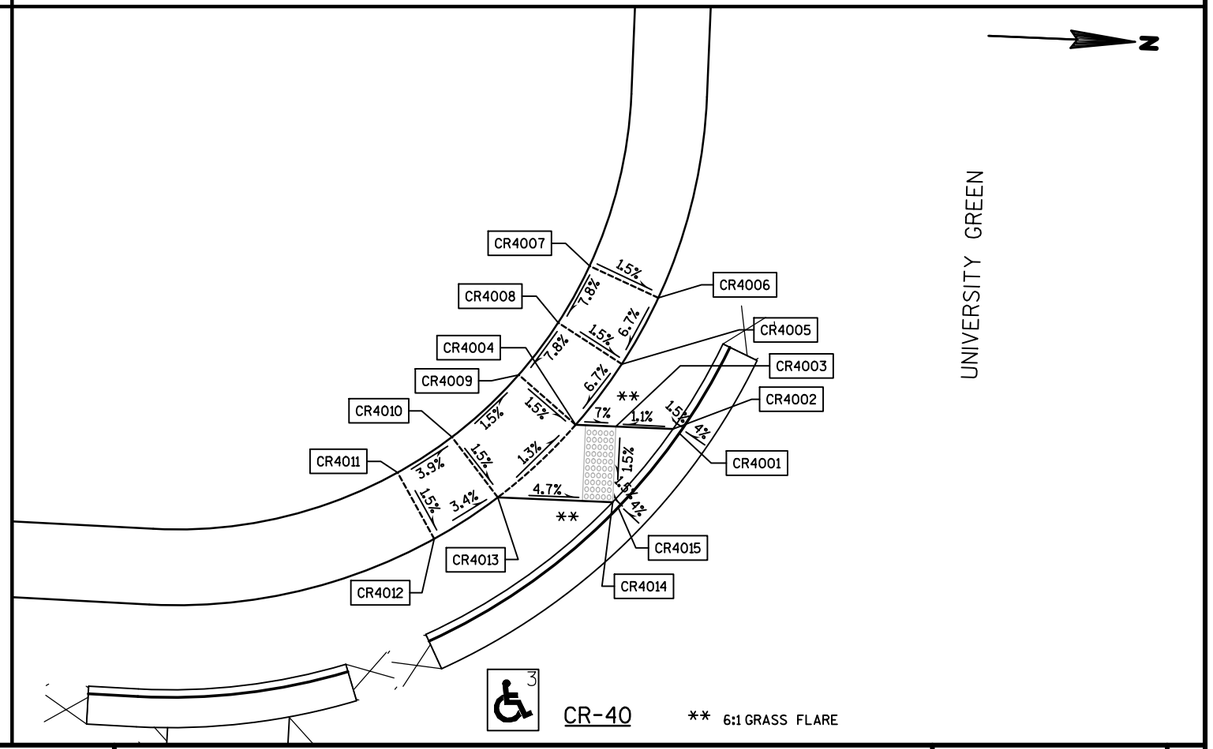
CR-38 POINTS			
POINT NO.	USH 14 (U) STATION	OFFSET	ELEV.
CR3801	99+06.63 U	18.10'LT	953.60
CR3802	99+06.38 U	19.06'LT	953.61
CR3803	99+06.35 U	20.63'LT	953.64
CR3804	99+06.26 U	25.75'LT	953.93
CR3805	99+06.26 U	30.81'LT	953.88
CR3806	99+06.26 U	31.87'LT	953.86
CR3807	99+06.42 U	32.86'LT	953.85
CR3808	99+12.46 U	31.79'LT	953.82
CR3809	99+12.26 U	30.81'LT	953.83
CR3810	99+12.26 U	25.81'LT	953.87
CR3811	99+12.35 U	20.73'LT	953.64
CR3812	99+12.64 U	19.78'LT	953.63

CR-39 POINTS			
POINT NO.	USH 14 (U) STATION	OFFSET	ELEV.
CR3901	99+06.86 U	79.78'LT	953.47
CR3902	99+06.76 U	80.26'LT	953.48
CR3903	99+06.76 U	81.55'LT	953.50
CR3904	99+06.76 U	86.41'LT	953.80
CR3905	99+05.63 U	91.28'LT	953.87
CR3906	99+10.09 U	92.58'LT	953.94
CR3907	99+14.21 U	94.30'LT	954.15
CR3908	99+16.38 U	89.80'LT	954.08
CR3909	99+11.76 U	87.87'LT	953.87
CR3910	99+11.76 U	81.55'LT	953.43
CR3911	99+11.91 U	81.07'LT	953.42

CR-40 POINTS			
POINT NO.	PLEASANT VIEW ROAD (NB) STATION	OFFSET	ELEV.
CR4001	185+78.74	77.01'LT	951.25
CR4002	185+78.32	77.28'LT	951.26
CR4003	185+74.53	77.25'LT	951.22
CR4004	185+71.89	77.22'LT	951.41
CR4005	185+74.73	81.38'LT	951.75
CR4006	185+76.91	85.87'LT	952.08
CR4007	185+72.27	87.74'LT	952.16
CR4008	185+70.39	83.89'LT	951.83
CR4009	185+67.97	80.33'LT	951.49
CR4010	185+63.77	76.00'LT	951.58
CR4011	185+60.30	73.48'LT	951.75
CR4012	185+62.94	69.23'LT	951.67
CR4013	185+66.99	72.18'LT	951.50
CR4014	185+74.58	72.25'LT	951.14
CR4015	185+74.96	71.92'LT	951.13







PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CURB RAMP DETAILS	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\021311_cr.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

TIMBER WOLF TRAIL

PLEASANT VIEW ROAD

BEGIN PROJECT
STA. 108+32.00

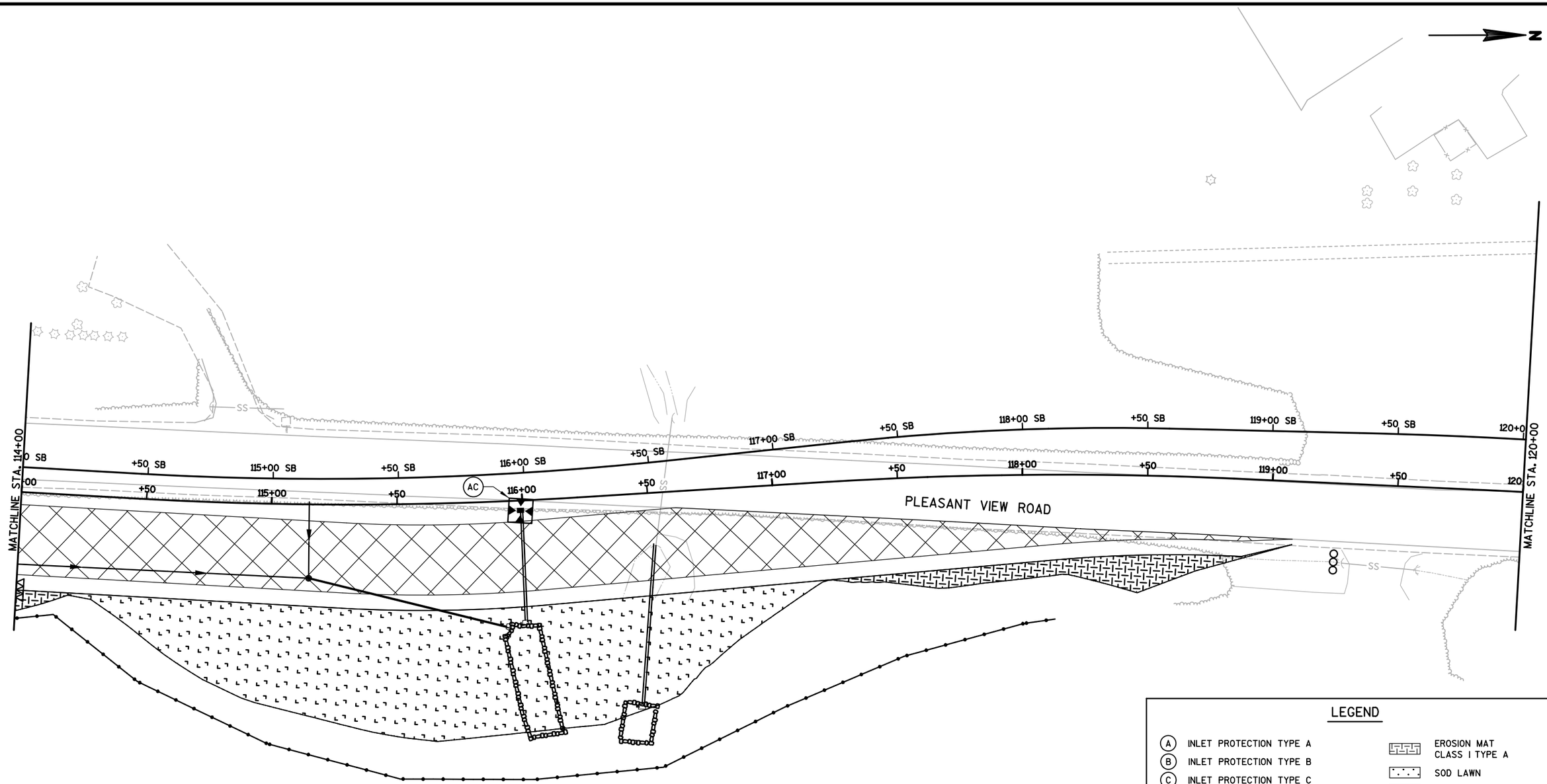
MATCHLINE STA. 114+00

LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL STAGE 1 - PLEASANT VIEW ROAD	SHEET 110	E

2



LEGEND

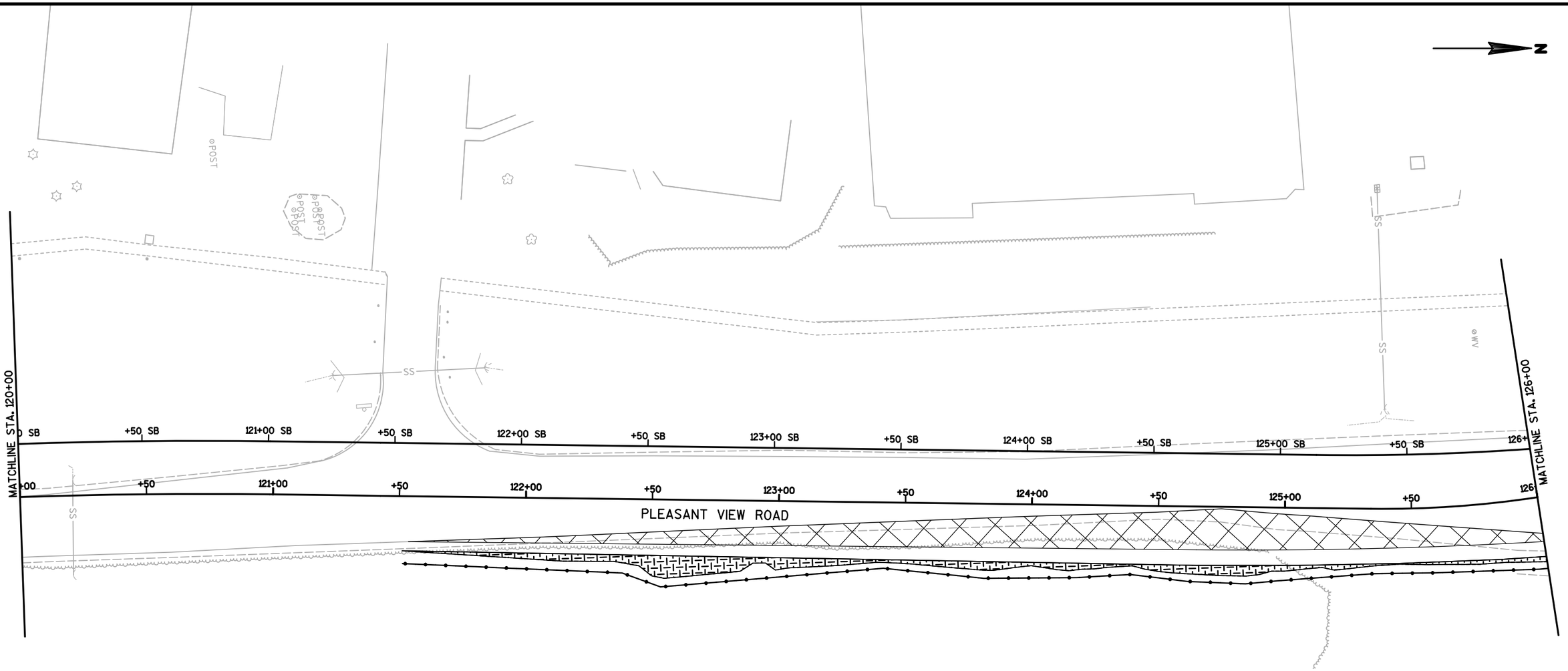
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
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- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
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- PROPOSED STORM SEWER MANHOLE
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- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL STAGE 1 - PLEASANT VIEW ROAD	SHEET 111	E

2

2

N



LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL STAGE 1 - PLEASANT VIEW ROAD	SHEET 112	E

2

LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

N

BLACKHAWK ROAD

PLEASANT VIEW ROAD

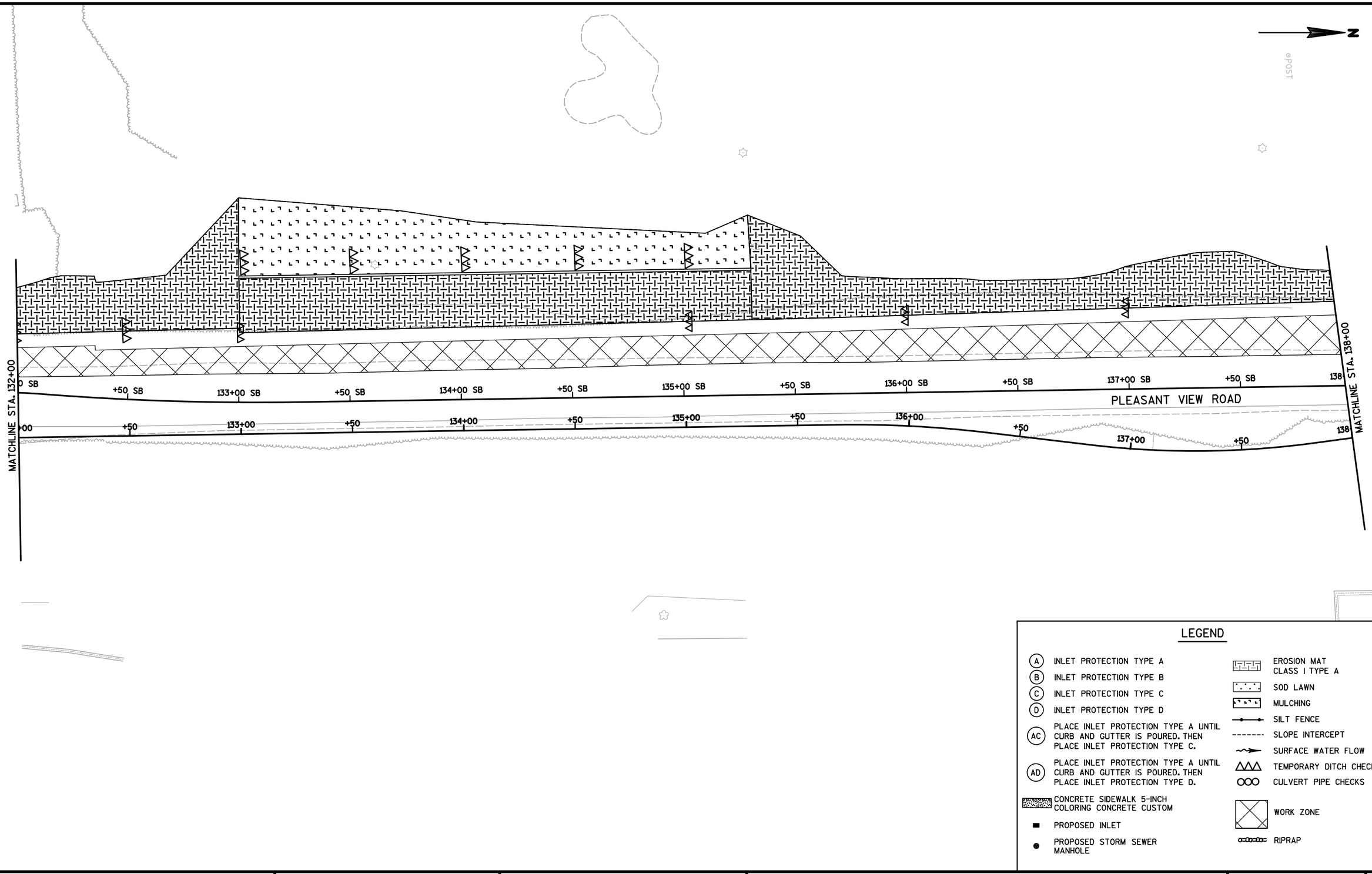
MATCHLINE STA. 126+00

MATCHLINE STA. 132+00

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL STAGE 1 - PLEASANT VIEW ROAD	SHEET	E

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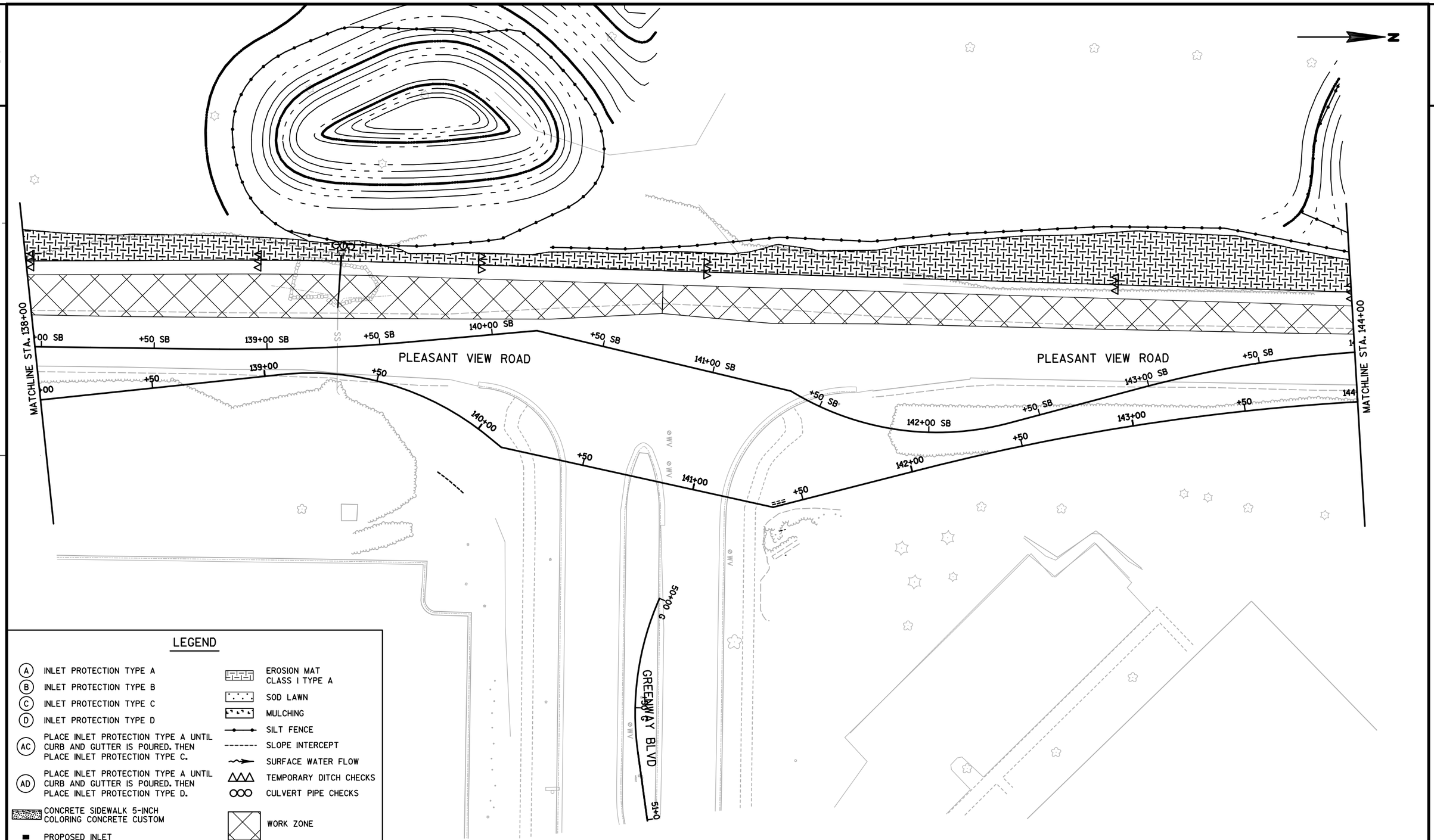
LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
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- PROPOSED INLET
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- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL STAGE 1 - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\021905_ec.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL STAGE 1 - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\021906_ec.dgn PLOT DATE : 2/1/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

2

N

MATCHLINE STA. 144+00

MATCHLINE STA. 150+00

144+00 SB | +50 SB | 145+00 SB | +50 SB | 146+00 SB | +50 SB | 147+00 SB | +50 SB | 148+00 SB | +50 SB | 149+00 SB | +50 SB | 15

PLEASANT VIEW ROAD

00 | +50 | 145+00 | +50 | 146+00 | +50 | 147+00 | +50 | 148+00 | +50 | 149+00 | +50 | 150

POST

LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL STAGE 1 - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\021907_ec.dgn PLOT DATE : 2/1/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

PLEASANT VIEW ROAD

MATCHLINE STA. 150+00

MATCHLINE STA. 156+00

150+00 SB +50 SB 151+00 SB +50 SB 152+00 SB +50 SB 153+00 SB +50 SB 154+00 SB +50 SB 155+00 SB +50 SB

150+00 +50 151+00 +50 152+00 +50 153+00 +50 154+00 +50 155+00 +50

LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL STAGE 1 - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\021908_ec.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

2

N

PLEASANT VIEW ROAD

MATCHLINE STA. 156+00

MATCHLINE STA. 162+00

156+00 SB

+50 SB

157+00 SB

+50 SB

158+00 SB

+50 SB

159+00 SB

+50 SB

160+00 SB

+50 SB

161+00 SB

+50 SB

162

SS

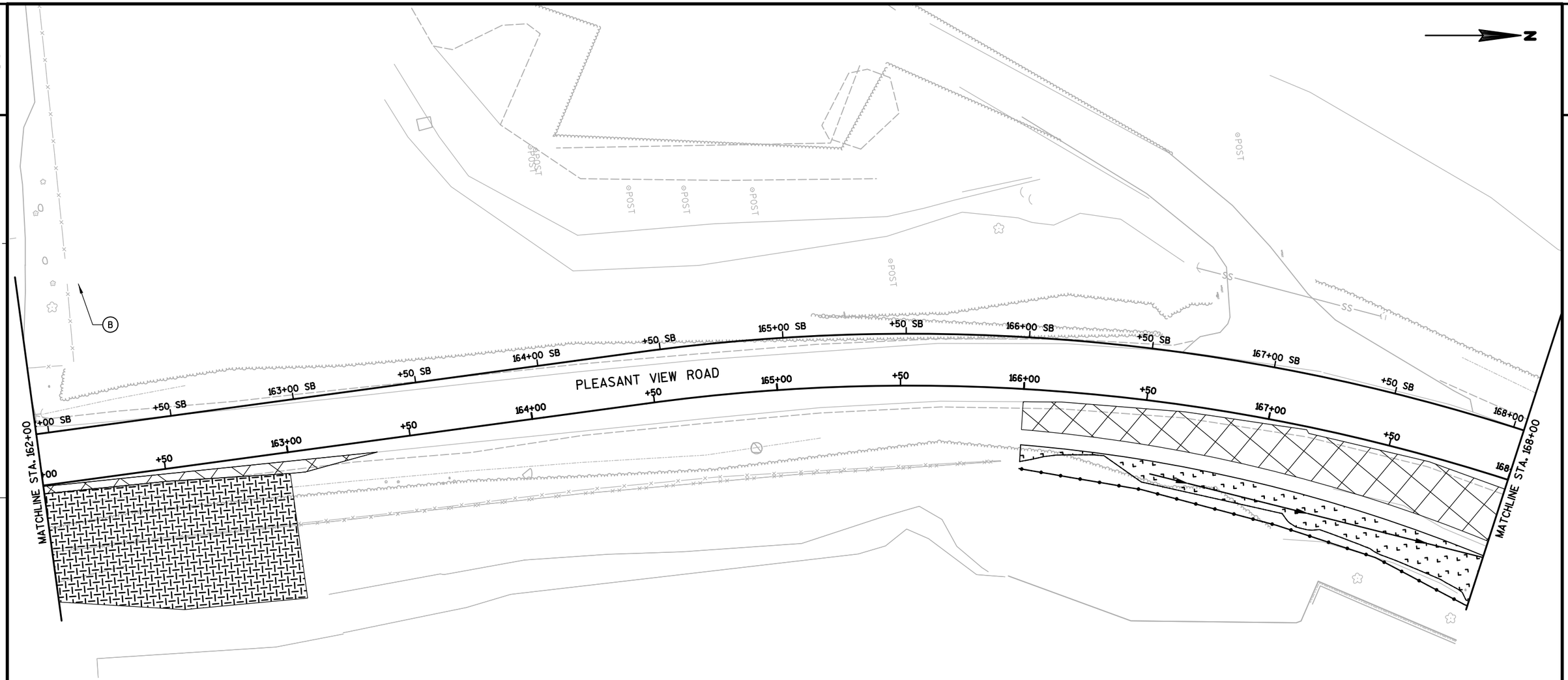
LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL STAGE 1 - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\021909_ec.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL STAGE 1 - PLEASANT VIEW ROAD	SHEET 119	E

2

N

PLEASANT VIEW ROAD

QUARRY ROAD

MATCHLINE STA. 168+00

MATCHLINE STA. 174+00

MATCHLINE STA. 50+50 Q

SB +50 SB 169+00 SB +50 SB 170+00 SB +50 SB 171+00 SB +50 SB 172+00 SB +50 SB 173+00 SB +50 SB

+00 +50 169+00 +50 170+00 +50 171+00 +50 172+00 +50 173+00 +50

SS

LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL STAGE 1 - PLEASANT VIEW ROAD	SHEET 120	E

2

2

N

MATCHLINE STA. 174+00

MATCHLINE STA. 180+00

PLEASANT VIEW ROAD

00 SB
+50 SB
175+00 SB
+50 SB
176+00 SB
+50 SB
177+00 SB
+50 SB
178+00 SB
+50 SB
179+00 SB
+50 SB

+50
175+00
+50
176+00
+50
177+00
+50
178+00
+50
179+00
+50
180+

SS
GDS

EXTEND TOPSOIL, MULCHING, FERTILIZER TYPE B,
AND SEEDING MIXTURE TYPE 40 TO POND F.
SEE STORM SEWER DRAWINGS FOR ADDITIONAL INFORMATION.

LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL STAGE 1 - PLEASANT VIEW ROAD	SHEET 121	E

2

2

MATCHLINE STA. 180+00

PLEASANT VIEW ROAD

PLEASANT VIEW ROAD

USH 14 (UNIVERSITY AVE.)

END PROJECT
STA. 182+12.38

END CONSTRUCTION
STA. 186+20.00

LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	EROSION CONTROL STAGE 1 - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\021913_ec.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

TIMBER WOLF TRAIL

PLEASANT VIEW ROAD

BEGIN PROJECT
STA. 108+32.00

MATCHLINE STA. 114+00

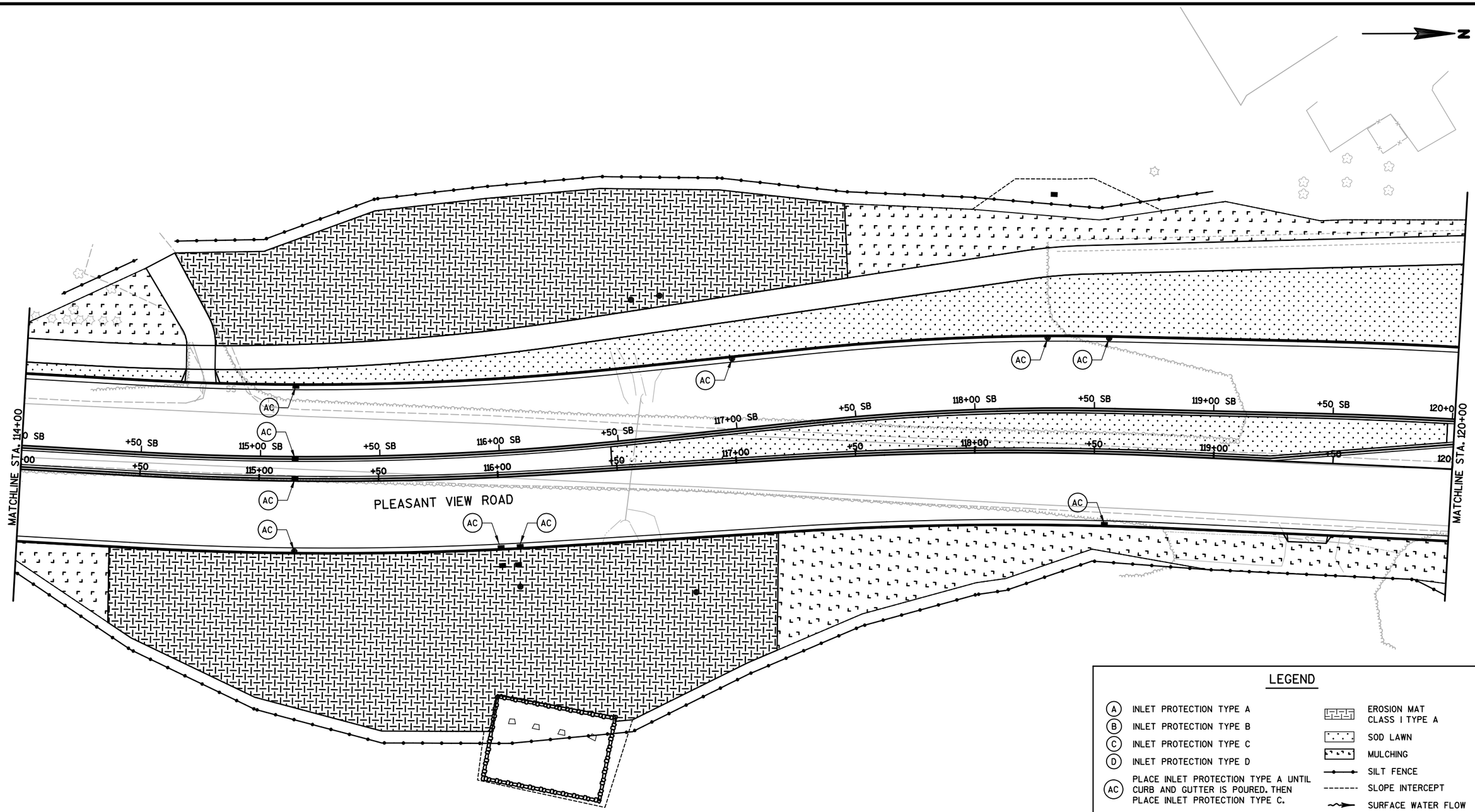
LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\022001_ec.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

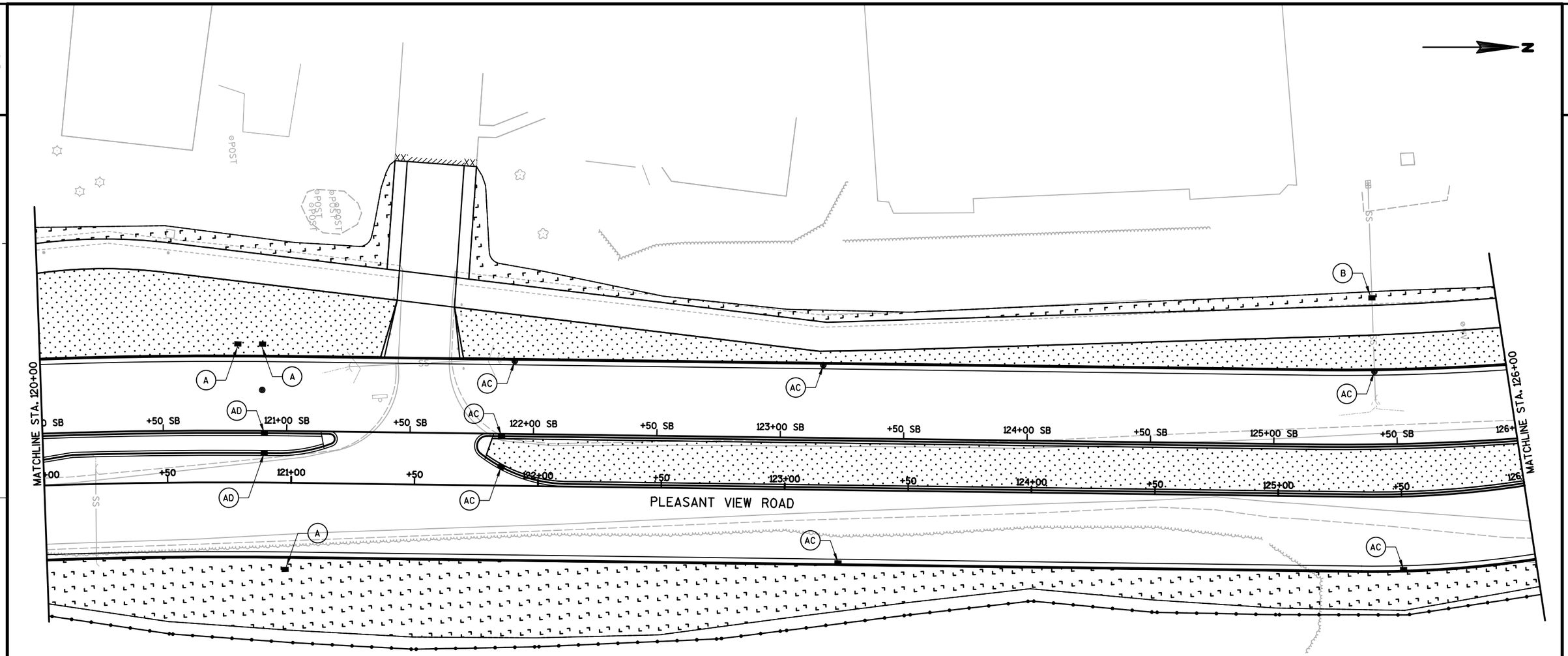
2



LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
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- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL - PLEASANT VIEW ROAD	SHEET 124	E



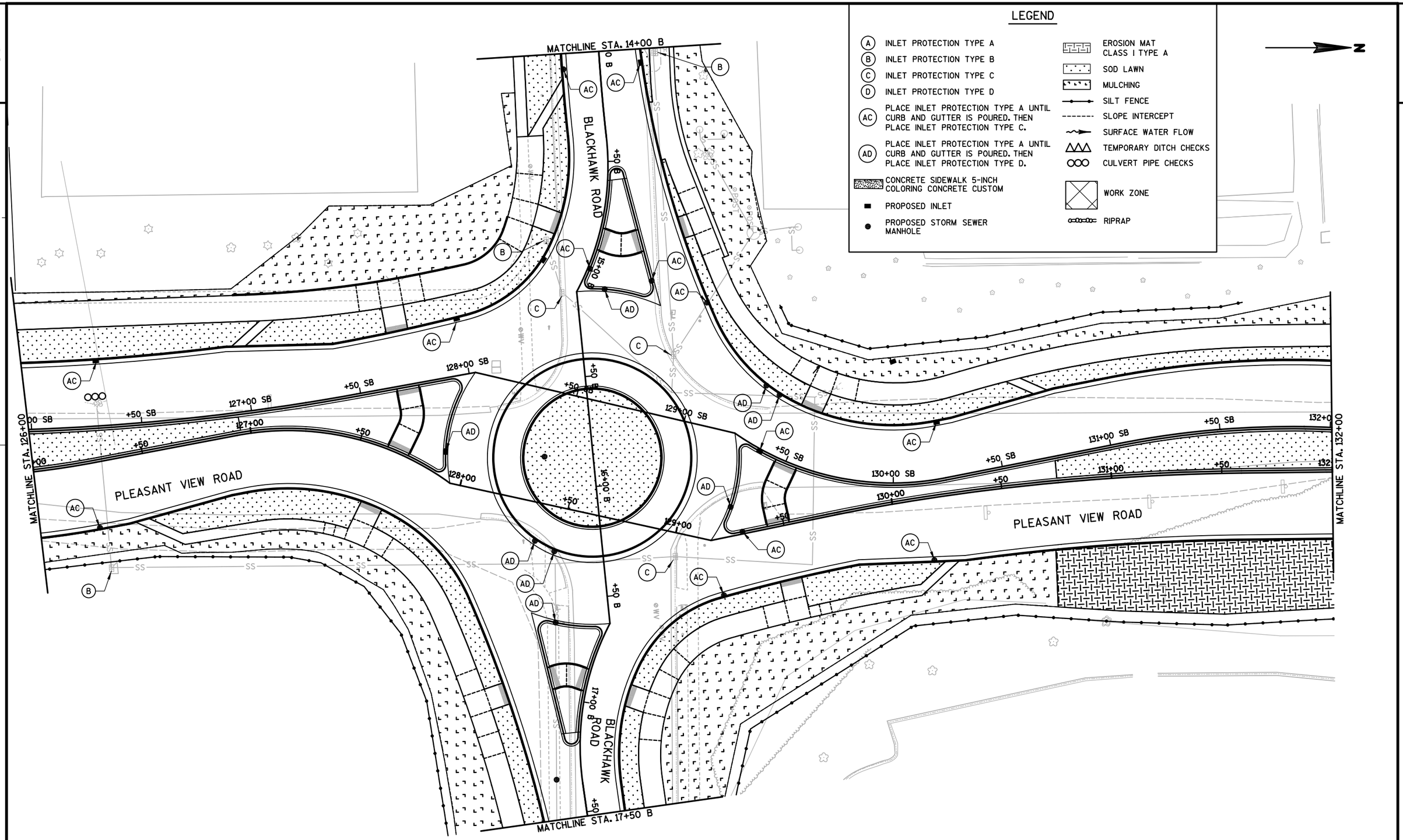
LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\022003_ec.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42



2

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL - PLEASANT VIEW ROAD	SHEET 126	E

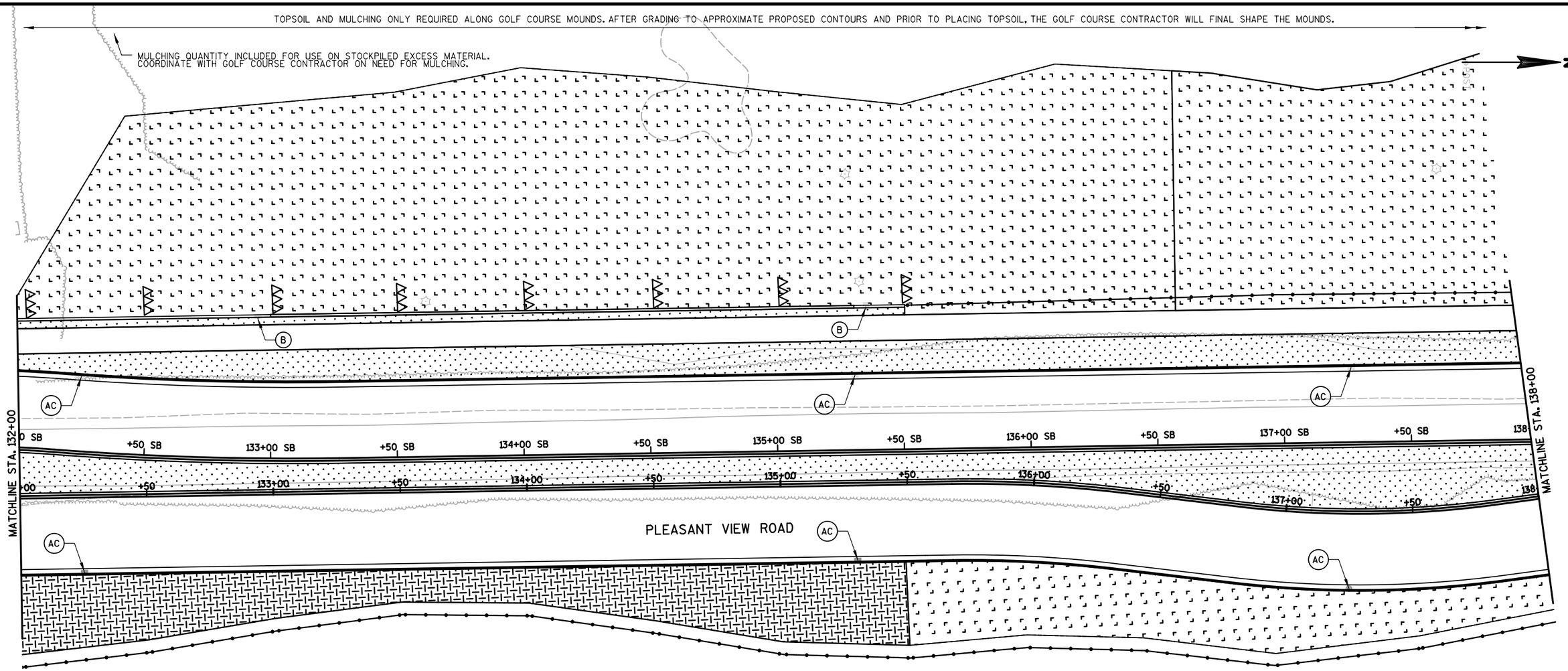
TOPSOIL AND MULCHING ONLY REQUIRED ALONG GOLF COURSE MOUNDS. AFTER GRADING TO APPROXIMATE PROPOSED CONTOURS AND PRIOR TO PLACING TOPSOIL, THE GOLF COURSE CONTRACTOR WILL FINAL SHAPE THE MOUNDS.

MULCHING QUANTITY INCLUDED FOR USE ON STOCKPILED EXCESS MATERIAL. COORDINATE WITH GOLF COURSE CONTRACTOR ON NEED FOR MULCHING.

2

N

2



LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL - PLEASANT VIEW ROAD	SHEET 127	E

TOPSOIL AND MULCHING ONLY REQUIRED ALONG GOLF COURSE MOUNDS. AFTER GRADING TO APPROXIMATE PROPOSED CONTOURS AND PRIOR TO PLACING TOPSOIL, THE GOLF COURSE CONTRACTOR WILL FINAL SHAPE THE MOUNDS.

N

PLEASANT VIEW ROAD

MATCHLINE STA. 138+00

MATCHLINE STA. 144+00

MATCHLINE STA. 51+00 G

GREENWAY BLVD

138+00 SB
+50 SB
139+00 SB
140+00 SB
141+00 SB
142+00 SB
143+00 SB
144+00 SB
139+00
140+00
141+00
142+00
143+00
50+00 G
+50 G
51+00 G

LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
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- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
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- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL - PLEASANT VIEW ROAD	SHEET 128	E

2

N

MATCHLINE STA. 144+00

MATCHLINE STA. 150+00

144+00 SB +50 SB 145+00 SB +50 SB 146+00 SB +50 SB 147+00 SB +50 SB 148+00 SB +50 SB 149+00 SB +50 SB 15

00 +50 145+00 +50 146+00 +50 147+00 +50 148+00 +50 149+00 +50 150

PLEASANT VIEW ROAD

SS

POST

LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\022007_ec.dgn PLOT DATE : 3/5/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N

MATCHLINE STA. 150+00

MATCHLINE STA. 156+00

PLEASANT VIEW ROAD

LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- PROPOSED INLET
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- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL - PLEASANT VIEW ROAD	SHEET 130	E

2

N

MATCHLINE STA. 156+00

MATCHLINE STA. 162+00

PLEASANT VIEW ROAD

+00 SB +50 SB 157+00 SB +50 SB 158+00 SB +50 SB 159+00 SB +50 SB 160+00 SB +50 SB 161+00 SB +50 SB

+00 +50 157+00 +50 158+00 +50 159+00 +50 160+00 +50 161+00 +50

AC B

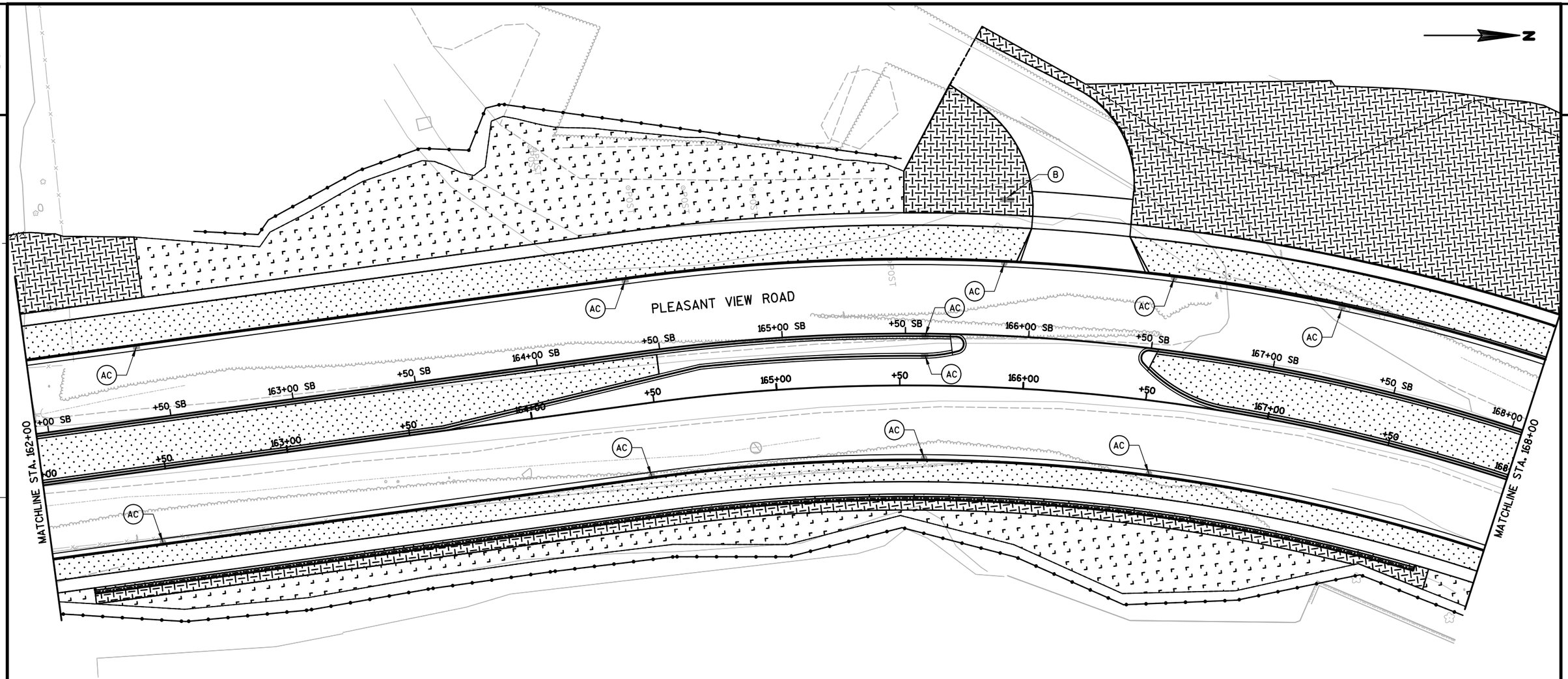
LEGEND

- A — INLET PROTECTION TYPE A
- B — INLET PROTECTION TYPE B
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- AC — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- AD — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\022009_ec.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- PROPOSED INLET
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- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL - PLEASANT VIEW ROAD	SHEET 132	E

2

N

PLEASANT VIEW ROAD

QUARRY ROAD

MATCHLINE STA. 168+00

MATCHLINE STA. 174+00

MATCHLINE STA. 50+50 Q

LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
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- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL - PLEASANT VIEW ROAD	SHEET 133	E

2

N

PLEASANT VIEW ROAD

MATCHLINE STA. 174+00

MATCHLINE STA. 180+00

LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\022012_ec.dgn PLOT DATE : 7/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

MATCHLINE STA. 180+00

PLEASANT VIEW ROAD

180+00 SB | +50 SB | 181+00 SB | +50 SB | 182+00 SB | +50 SB | 183+00 SB | +50 SB | 184+00 SB | +50 SB | 185+00 SB | +50 SB | 186+00 SB

180+00 | +50 | 181+00 | +50 | 182+00 | +50 | 183+00 | +50 | 184+00 | +50 | 185+00 | +50 | 186+00

99+00 U

100+00 U

101+00 U

+50

SS

AC

B

C

END PROJECT
STA. 182+12.38

END CONSTRUCTION
STA. 186+20.00

USH 14 (UNIVERSITY AVE.)

LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	EROSION CONTROL - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\022013_ec.dgn PLOT DATE : 4/23/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

N

U +50 94+00 U +50 95+00 U +50 96+00 U +50 97+00 U +50 98+00 U +50

BEGIN CONSTRUCTION
STA. 94+13.11 U

MATCHLINE STA. 98+50 U

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	EROSION CONTROL - USH 14	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\022014_ec_14.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 42

2

2

N

MATCHLINE STA. 101+50 U

MATCHLINE STA. 107+50 U

102+00 U | +50 | 103+00 U | +50 | 104+00 U | +50 | 105+00 U | +50 | 106+00 U | +50 | 107+00 U

C

AC

AC

SS

USH 14 (UNIVERSITY AVE.)

POST

LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	EROSION CONTROL - USH 14	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\022015_ec_14.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

MATCHLINE STA. 107+50 U

USH 14 (UNIVERSITY AVE.)

4"

108+00 U

+50

109+00 U

+50

110+00 U

+50

111+00 U

+50

END CONSTRUCTION
STA. 108+25.51 U

LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
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- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	EROSION CONTROL - USH 14	SHEET	E

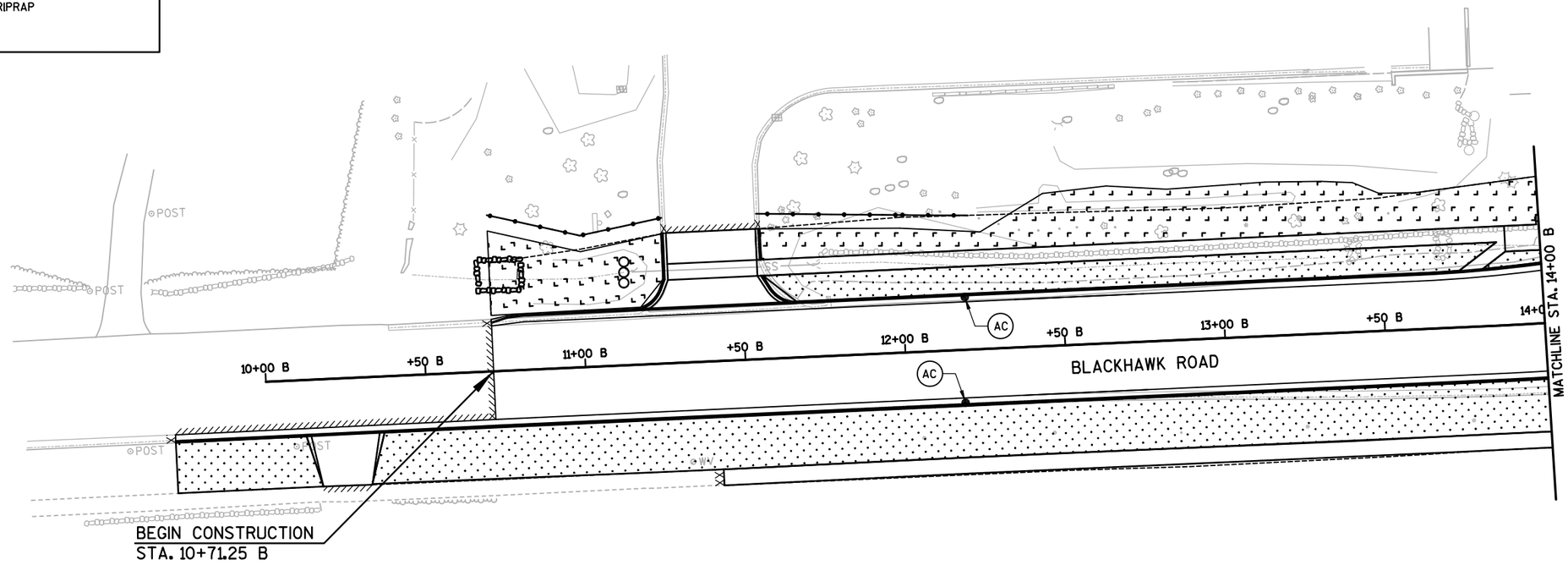
FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\022015a_ec_14.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
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- PROPOSED INLET
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- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

N



2

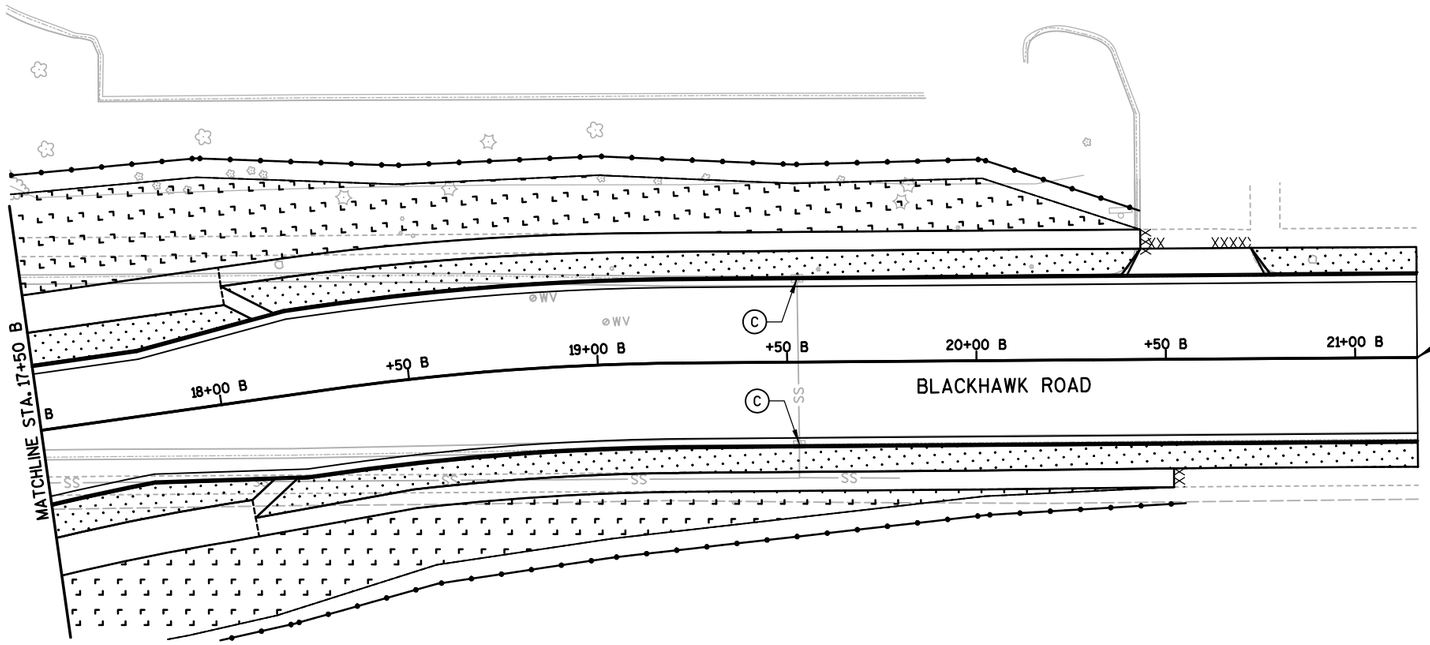
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL - BLACKHAWK ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\022014_ec.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2

N



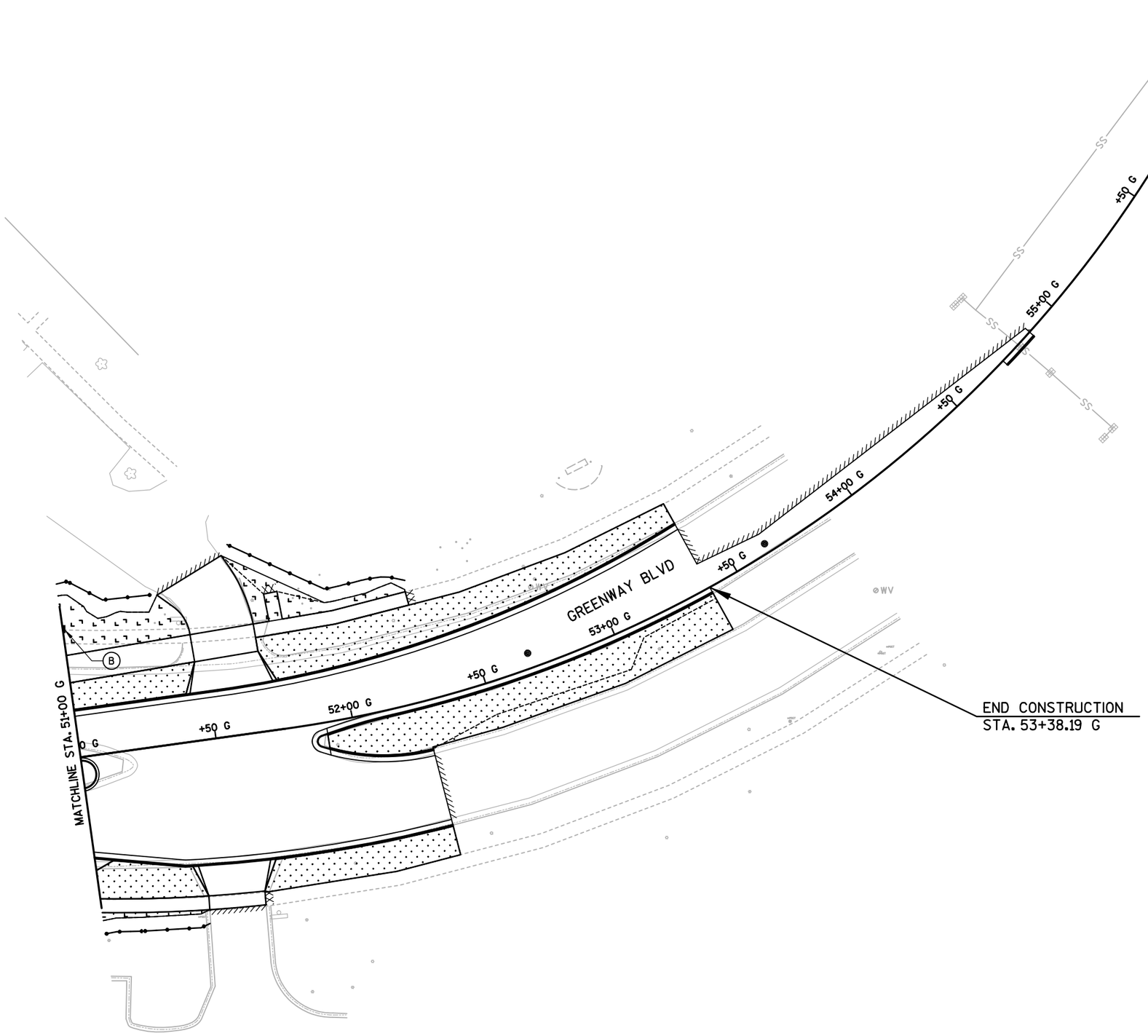
LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL - BLACKHAWK ROAD	SHEET 140	E

2

N



END CONSTRUCTION
STA. 53+38.19 G

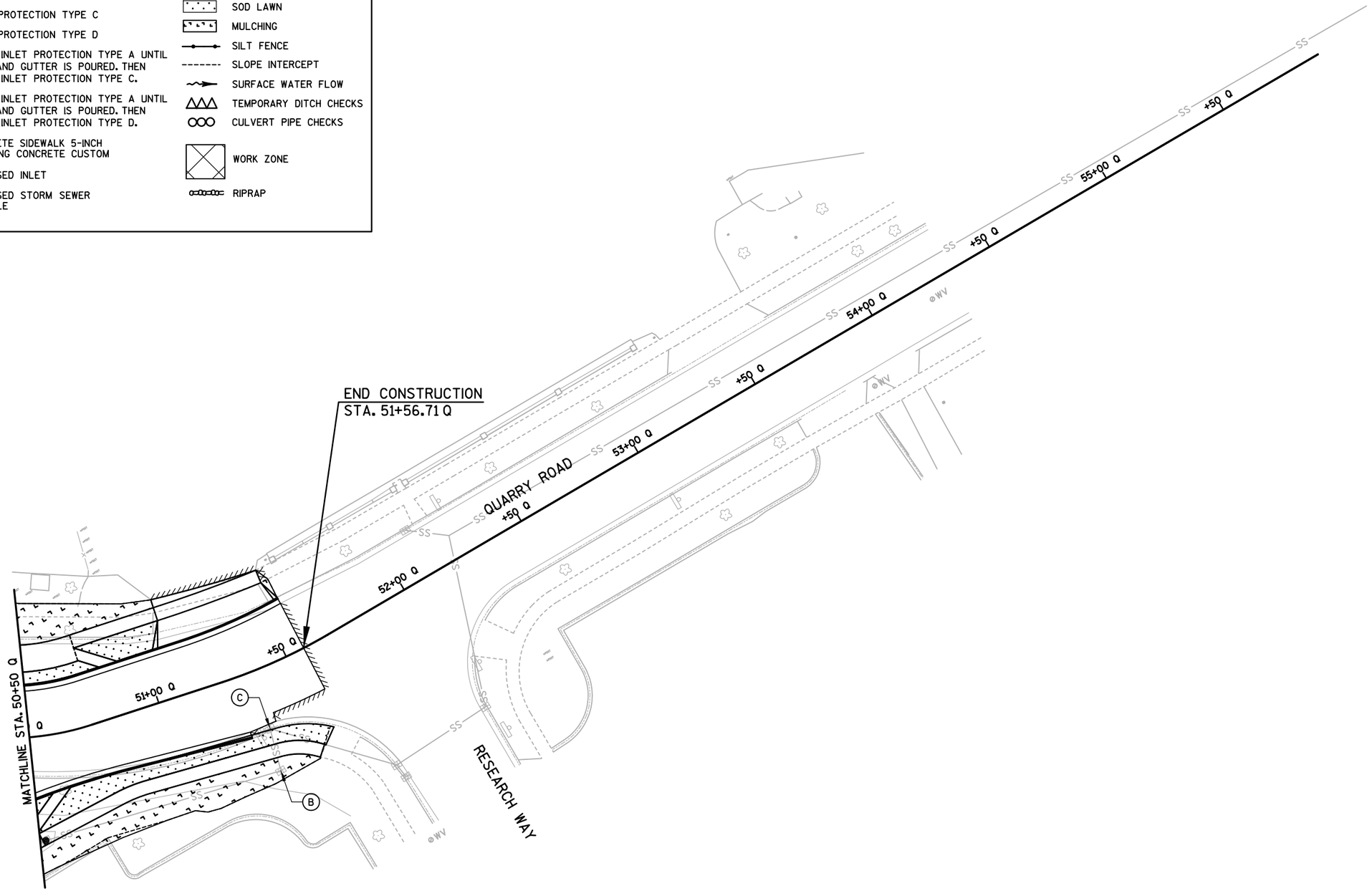
LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
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- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL - GREENWAY BLVD	SHEET 141	E

LEGEND

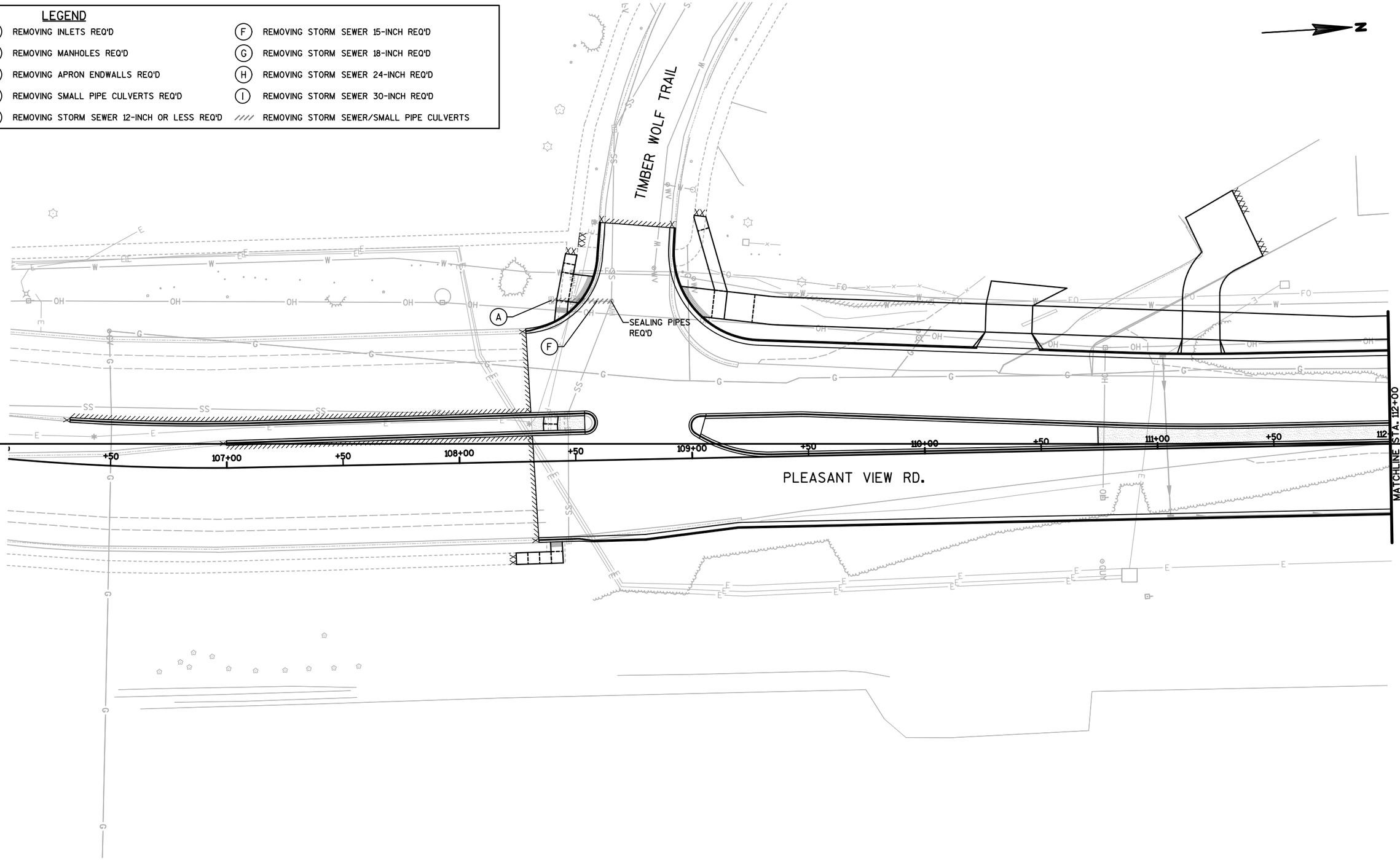
- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT CLASS I TYPE A
- SOD LAWN
- MULCHING
- SILT FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- WORK ZONE
- RIPRAP



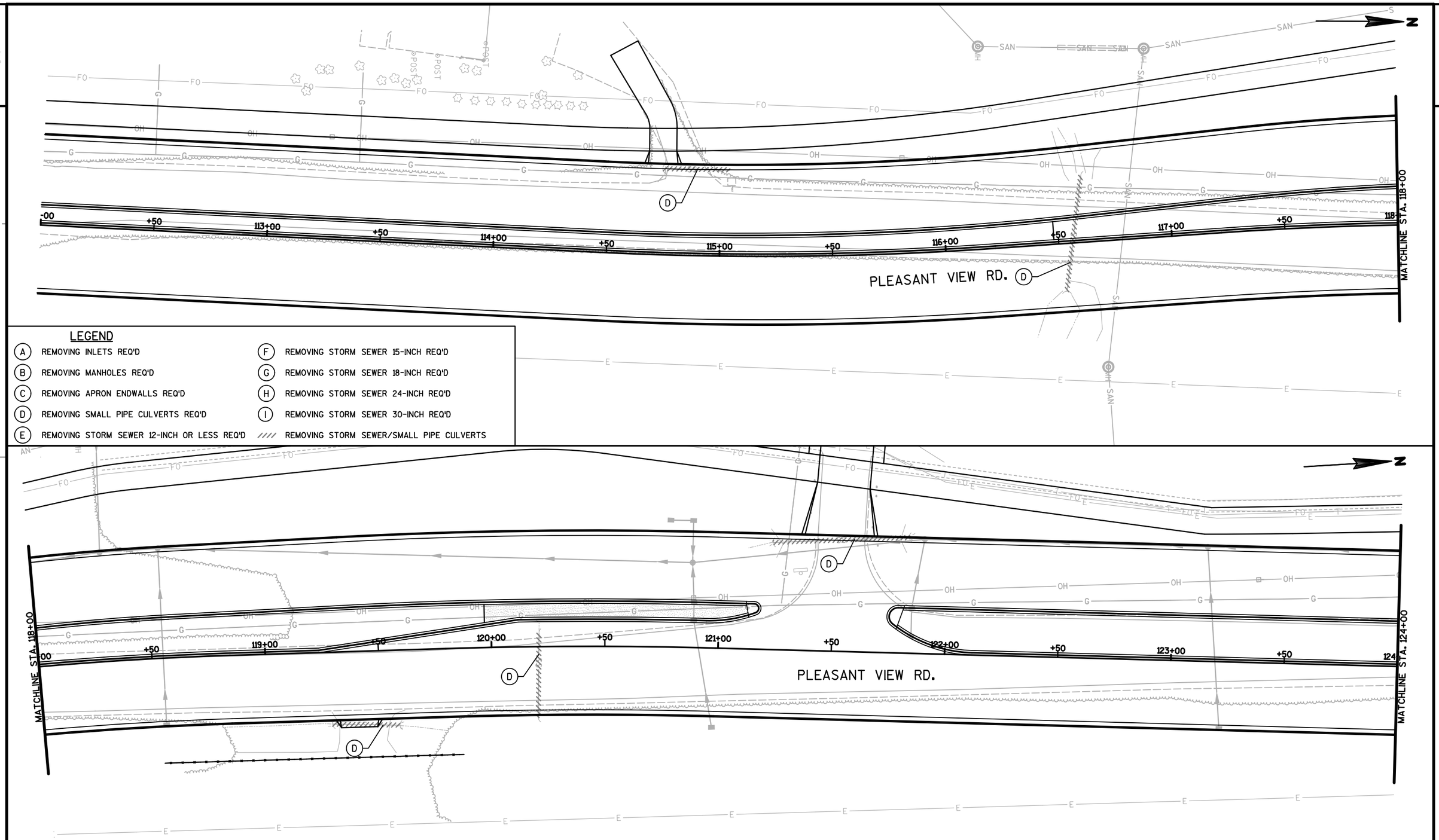
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	EROSION CONTROL - QUARRY ROAD	SHEET 142	E

LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING MANHOLES REQ'D
- (C) REMOVING APRON ENDWALLS REQ'D
- (D) REMOVING SMALL PIPE CULVERTS REQ'D
- (E) REMOVING STORM SEWER 12-INCH OR LESS REQ'D
- (F) REMOVING STORM SEWER 15-INCH REQ'D
- (G) REMOVING STORM SEWER 18-INCH REQ'D
- (H) REMOVING STORM SEWER 24-INCH REQ'D
- (I) REMOVING STORM SEWER 30-INCH REQ'D
- //// REMOVING STORM SEWER/SMALL PIPE CULVERTS



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	STORM SEWER REMOVALS	SHEET 143	E



LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING MANHOLES REQ'D
- (C) REMOVING APRON ENDWALLS REQ'D
- (D) REMOVING SMALL PIPE CULVERTS REQ'D
- (E) REMOVING STORM SEWER 12-INCH OR LESS REQ'D
- (F) REMOVING STORM SEWER 15-INCH REQ'D
- (G) REMOVING STORM SEWER 18-INCH REQ'D
- (H) REMOVING STORM SEWER 24-INCH REQ'D
- (I) REMOVING STORM SEWER 30-INCH REQ'D
- //// REMOVING STORM SEWER/SMALL PIPE CULVERTS

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	STORM SEWER REMOVALS	SHEET 144	E

2

LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING MANHOLES REQ'D
- (C) REMOVING APRON ENDWALLS REQ'D
- (D) REMOVING SMALL PIPE CULVERTS REQ'D
- (E) REMOVING STORM SEWER 12-INCH OR LESS REQ'D
- (F) REMOVING STORM SEWER 15-INCH REQ'D
- (G) REMOVING STORM SEWER 18-INCH REQ'D
- (H) REMOVING STORM SEWER 24-INCH REQ'D
- (I) REMOVING STORM SEWER 30-INCH REQ'D
- //// REMOVING STORM SEWER/SMALL PIPE CULVERTS

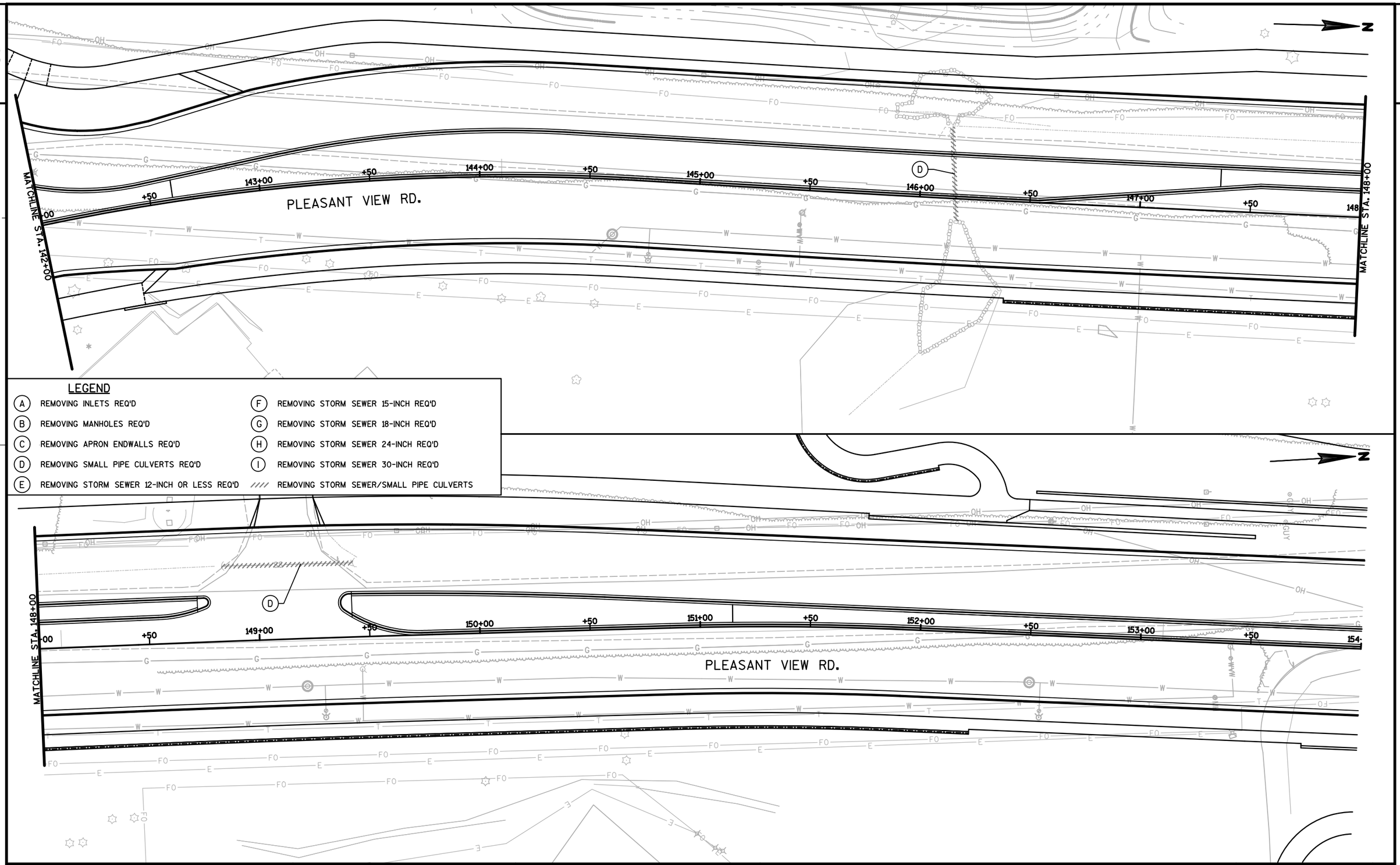
MATCHLINE STA. 124+00

PLEASANT VIEW RD.

BLACKHAWK RD.

MATCHLINE STA. 142+00

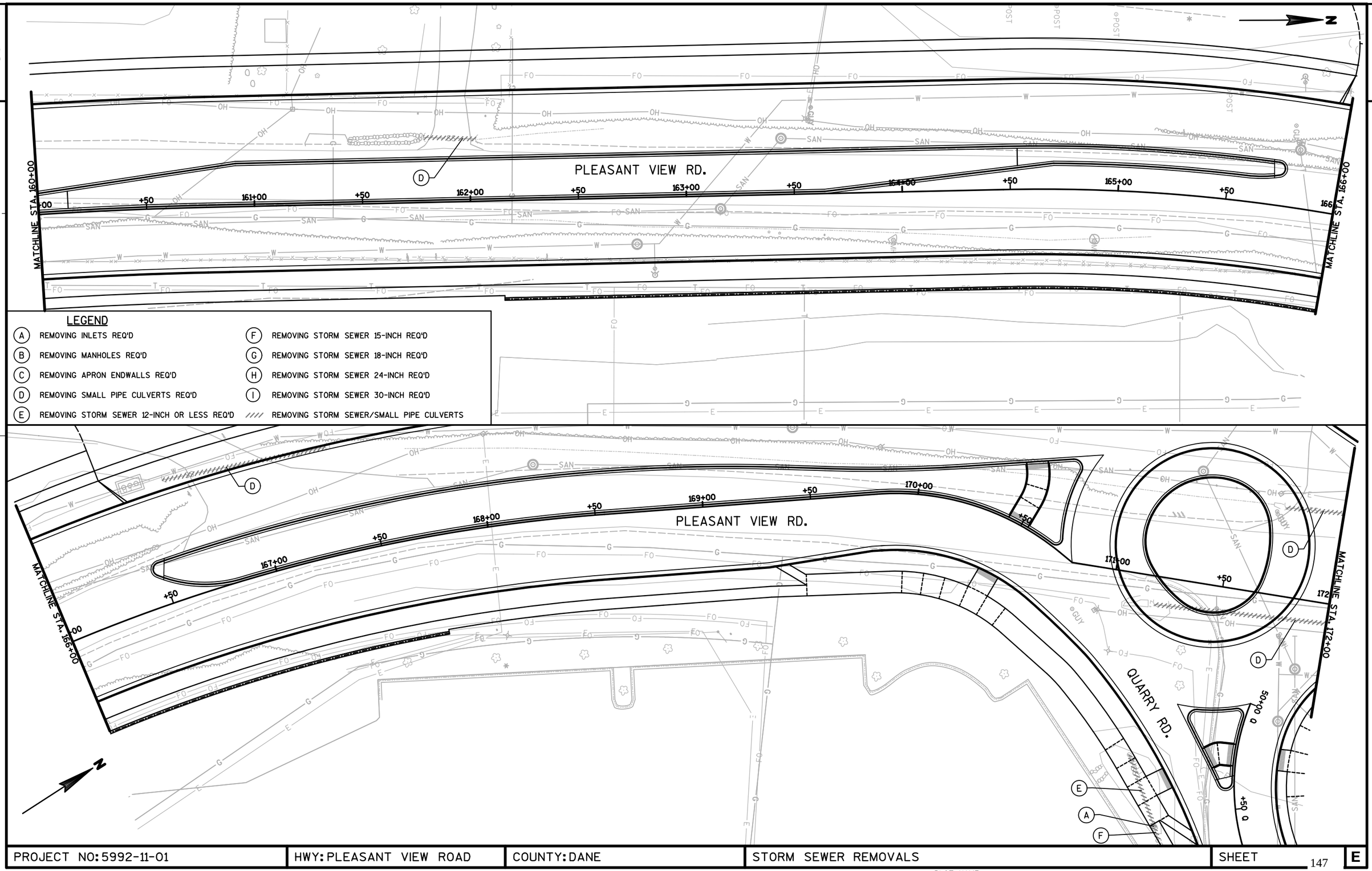
GREENWAY BLVD.



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	STORM SEWER REMOVALS	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\022404_ss_removals.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42



LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING MANHOLES REQ'D
- (C) REMOVING APRON ENDWALLS REQ'D
- (D) REMOVING SMALL PIPE CULVERTS REQ'D
- (E) REMOVING STORM SEWER 12-INCH OR LESS REQ'D
- (F) REMOVING STORM SEWER 15-INCH REQ'D
- (G) REMOVING STORM SEWER 18-INCH REQ'D
- (H) REMOVING STORM SEWER 24-INCH REQ'D
- (I) REMOVING STORM SEWER 30-INCH REQ'D
- //// REMOVING STORM SEWER/SMALL PIPE CULVERTS

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	STORM SEWER REMOVALS	SHEET 147	E

2

2

MATCHLINE STA. 172+00

+50

173+00

+50

174+00

+50

175+00

+50

176+00

+50

177+00

+50

178+00

MATCHLINE STA. 178+00

PLEASANT VIEW ROAD

REMOVING BOX CULVERT REQ'D (PAID AS PART OF BID ITEM "INLET PV536"

PV536

N

LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING MANHOLES REQ'D
- (C) REMOVING APRON ENDWALLS REQ'D
- (D) REMOVING SMALL PIPE CULVERTS REQ'D
- (E) REMOVING STORM SEWER 12-INCH OR LESS REQ'D
- (F) REMOVING STORM SEWER 15-INCH REQ'D
- (G) REMOVING STORM SEWER 18-INCH REQ'D
- (H) REMOVING STORM SEWER 24-INCH REQ'D
- (I) REMOVING STORM SEWER 30-INCH REQ'D
- //// REMOVING STORM SEWER/SMALL PIPE CULVERTS

MATCHLINE STA. 178+00

+00

+50

179+00

+50

180+00

+50

181+00

+50

182+00

100+00 U

+50

183+00

+50

184

MATCHLINE STA. 184+00

PLEASANT VIEW ROAD

UNIVERSITY AVE

N

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	STORM SEWER REMOVALS	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\022407_ss_removals.dgn PLOT DATE : 7/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2

N

LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING MANHOLES REQ'D
- (C) REMOVING APRON ENDWALLS REQ'D
- (D) REMOVING SMALL PIPE CULVERTS REQ'D
- (E) REMOVING STORM SEWER 12-INCH OR LESS REQ'D
- (F) REMOVING STORM SEWER 15-INCH REQ'D
- (G) REMOVING STORM SEWER 18-INCH REQ'D
- (H) REMOVING STORM SEWER 24-INCH REQ'D
- (I) REMOVING STORM SEWER 30-INCH REQ'D
- //// REMOVING STORM SEWER/SMALL PIPE CULVERTS

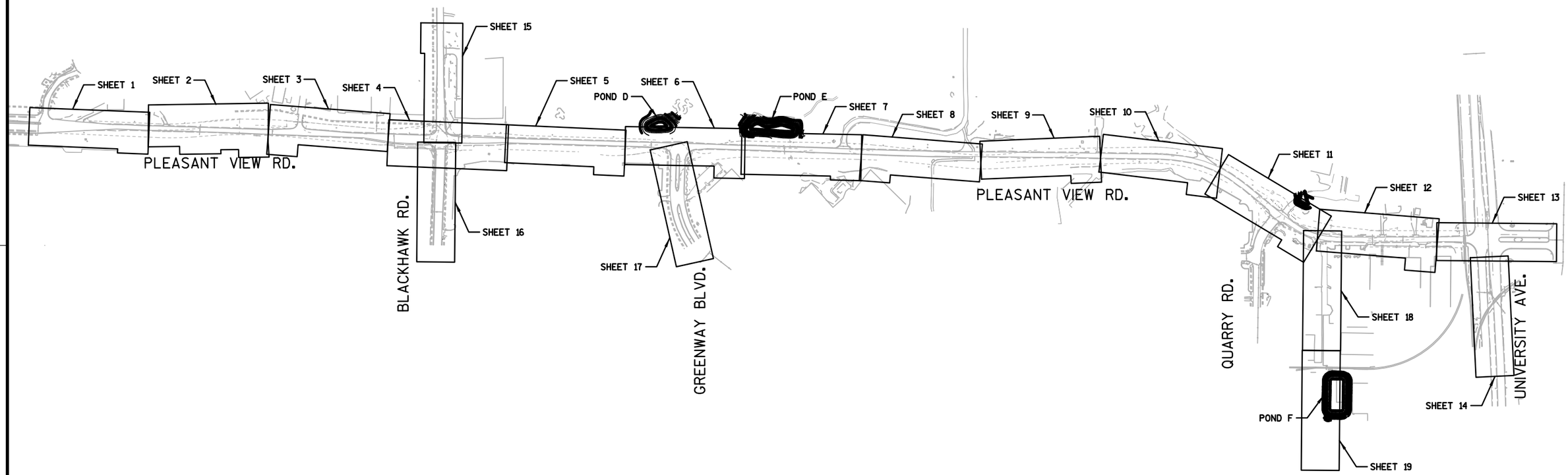
BLACKHAWK RD.

PLEASANT VIEW RD.

UNIVERSITY AVE.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	STORM SEWER REMOVALS	SHEET 149	E

NOTE:
STATION/OFFSET AS SHOWN ON STORM SEWER TABLES IS FOR CENTER OF STRUCTURE. ALL CASTINGS ARE TO BE CENTERED ON THE STRUCTURE UNLESS OTHERWISE NOTED.



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	STORM SEWER	SHEET 150	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\022500_ss.dgn PLOT DATE : 2/1/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

SHEET 1

TIMBER WOLF TRAIL

PLEASANT VIEW RD.

PV340 PV341 PV342 PV343 PV345 PV348 PV350 PV353

108+00 +50 109+00 +50 110+00 +50 111+00 +50 112+00 +50 113+00 +50 114+00

MATCHLINE STA. 114+00

LEGEND

- (A) ADJUSTING MANHOLE COVERS REQ'D
- (B) ADJUSTING INLET COVERS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) RECONSTRUCTING MANHOLES REQ'D
- (E) RECONSTRUCTING INLETS REQ'D
- (F) STORM SEWER TAP REQ'D
- UD PROPOSED UNDERDRAIN
- PROPOSED STORM SEWER
- PROPOSED INLETS
- PROPOSED MANHOLES
- APRON END WALL

1065 1060 1055 1050 1045 1040 1035 1030 1025

PV348
RIM 1053.88
1049.00

205' - 12" SSPRC @ 4.15%

PV353
RIM 1045.41
1040.50
1040.00

206' - 18" SSPRC @ 5.83%

108+00 109+00 110+00 111+00 112+00 113+00 114+00

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	STORM SEWER	SHEET 151	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\022501_ss.dgn PLOT DATE : 2/1/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

SHEET 2

N

RUBBERIZED MEMBRANE WATERPROOFING REQ'D

PLEASANT VIEW RD.

MATCHLINE STA. 114+00

MATCHLINE STA. 120+00

INLET PV3581 REQ'D

APRON ENDWALLS FOR RCCP 18-INCH REQ'D

APRON ENDWALLS FOR RCCP 60-INCH REQ'D

APRON ENDWALLS FOR RCCP 48-INCH REQ'D

PV358 RIM 1033.18 1028.00 1023.50

90' - 18" SSPRC @ 5.00%

PV35811 PV3581 PV35812 RIM 1028.08 RIM 1027.61 RIM 1027.36

PV3582 RIM 1025.20 1019.00 1014.00

14' - 18" SSPRC @ 1.00% 1013.86

52' - 18" SSPRC @ 1.00%

1003.52 1003.00 ENDWALL

PV3592 RIM 1022.00

PV3594 RIM 1018.55

68' - 48" SSPRC @ 0.22%

1003.00 ENDWALL 1003.15

99' - 48" SSPRC @ 0.22%

1003.37

PV362 RIM 1015.46

PV360 RIM 1014.49

1003.72

132' - 48" SSPRC @ 0.27%

1003.79

26' - 42" SSPRC @ 0.27%

1040 1035 1030 1025 1020 1015 1010 1005

114+00 115+00 116+00 117+00 118+00 119+00 120+00

LEGEND

- (A) ADJUSTING MANHOLE COVERS REQ'D
- (B) ADJUSTING INLET COVERS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) RECONSTRUCTING MANHOLES REQ'D
- (E) RECONSTRUCTING INLETS REQ'D
- (F) STORM SEWER TAP REQ'D
- UD PROPOSED UNDERDRAIN
- PROPOSED STORM SEWER
- PROPOSED INLETS
- PROPOSED MANHOLES
- APRON END WALL

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	STORM SEWER	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\022502_ss.dgn PLOT DATE : 2/1/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 41

2

SHEET 3

N

PV3802
PV3801
C
PV365
UD
PV370
TERRACE INLET
TYPE II REQ'D
TERRACE INLET
TYPE II REQ'D
PV379
PV364
PV375
PV380
PV366
PV376
MATCHLINE STA. 120+00
MATCHLINE STA. 126+00
PV367
PV377
PV383
PLEASANT VIEW RD.
TERRACE INLET
TYPE II REQ'D
PV368
UD
PV378

120+00 121+00 +50 122+00 +50 123+00 +50 124+00 +50 125+00 +50 126

LEGEND

- (A) ADJUSTING MANHOLE COVERS REQ'D
- (B) ADJUSTING INLET COVERS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) RECONSTRUCTING MANHOLES REQ'D
- (E) RECONSTRUCTING INLETS REQ'D
- (F) STORM SEWER TAP REQ'D

- UD PROPOSED UNDERDRAIN
- PROPOSED STORM SEWER
- PROPOSED INLETS
- PROPOSED MANHOLES
- APRON END WALL

1030 1025 1020 1015 1010 1005 1000 995 990

PV364
RIM 1010.48
1004.46
236'- 42" SSPRC @ 0.28%

PV379
RIM 1010.80
1004.96
1005.46
103'- 30" SSPRC @ 0.49%

PV375
RIM 1012.36
1006.25
1006.75
125'- 24" SSPRC @ 0.63%

PV380
RIM 1014.79
1009.00
223'- 18" SSPRC @ 1.01%

120+00 121+00 122+00 123+00 124+00 125+00 126+00

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	STORM SEWER	SHEET 153	E

SHEET 4

N

MATCHLINE STA. 126+00

MATCHLINE STA. 132+00

PLEASANT VIEW RD.

PLEASANT VIEW RD.

BLACKHAWK RD.

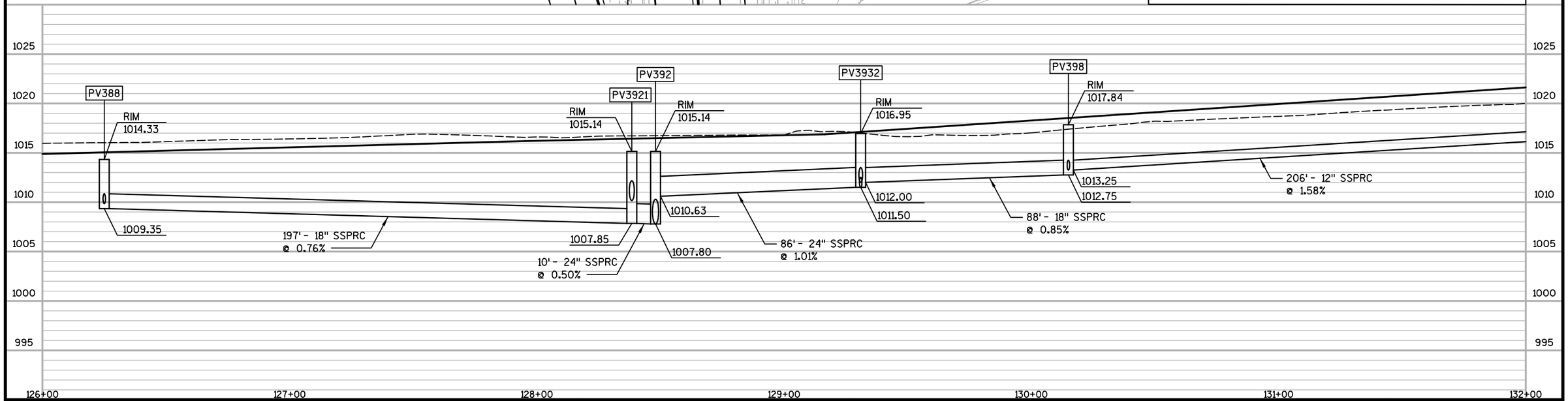
PV385 PV388 PV3902 PV3912 PV3911 PV3901 PV390 PV391 PV3921 PV392 PV3922 PV3937 PV3936 PV3935 PV396 PV3934 PV3931 PV395 PV393 PV3932 PV398 PV3933

127+00 128+00 129+00 130+00 131+00 132+00 +50 16+00 B 17+00 B UD

LEGEND

- (A) ADJUSTING MANHOLE COVERS REQ'D
- (B) ADJUSTING INLET COVERS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) RECONSTRUCTING MANHOLES REQ'D
- (E) RECONSTRUCTING INLETS REQ'D
- (F) STORM SEWER TAP REQ'D

- UD PROPOSED UNDERDRAIN
- PROPOSED STORM SEWER
- PROPOSED INLETS
- PROPOSED MANHOLES
- APRON END WALL



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW RAOD	COUNTY: DANE	STORM SEWER	SHEET 154	E

SHEET 5

N

PV4001

PV4051

PV400

PV405

PV410

MATCHLINE STA. 132+00

MATCHLINE STA. 138+00

PV403

PV408

PV413

PLEASANT VIEW RD.

132+00 +50 133+00 +50 134+00 +50 135+00 +50 136+00 +50 137+00 +50 138+00

OH G E FO

LEGEND

- (A) ADJUSTING MANHOLE COVERS REQ'D
- (B) ADJUSTING INLET COVERS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) RECONSTRUCTING MANHOLES REQ'D
- (E) RECONSTRUCTING INLETS REQ'D
- (F) STORM SEWER TAP REQ'D

- UD PROPOSED UNDERDRAIN
- PROPOSED STORM SEWER
- PROPOSED INLETS
- PROPOSED MANHOLES
- APRON END WALL

1040 1035 1030 1025 1020 1015 1010 1005 1000

PV400
PV403
PV4001
RIM 1021.32
RIM 1022.18
RIM 1024.40
1016.50
1017.25
1020.00
77' - 12" SSPRC @ 0.97%
74' - 12" SSPRC @ 3.72%

PV408
RIM 1021.52
1016.50
194' - 12" SSPRC @ 1.49%

PV413
RIM 1017.75
1013.60
1013.10
129' - 18" SSPRC @ 0.40%

132+00 133+00 134+00 135+00 136+00 137+00 138+00

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	STORM SEWER	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\022505_ss.dgn PLOT DATE : 2/1/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 41

SHEET 6

2

POND D (SEE POND DETAIL SHEETS)

APRON ENDWALLS FOR RCCP 18-INCH REQ'D

WEIR WALL PV4154 REQ'D

PV4151 PV4152 PV4153 PV4154 PV420 PV415 PV416 PV417 PV418 PV419 PV423 PV4221 PV424 PV4241 PV4247 PV4248 PV4249 PV425 PV428

UD

PLEASANT VIEW RD.

MATCHLINE STA. 138+00

MATCHLINE STA. 144+00

138+00 139+00 140+00 141+00 142+00 143+00 144+00

+50

LEGEND

- (A) ADJUSTING MANHOLE COVERS REQ'D
- (B) ADJUSTING INLET COVERS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) RECONSTRUCTING MANHOLES REQ'D
- (E) RECONSTRUCTING INLETS REQ'D
- (F) STORM SEWER TAP REQ'D

UD PROPOSED UNDERDRAIN

PROPOSED STORM SEWER

PROPOSED INLETS

PROPOSED MANHOLES

APRON END WALL

1025 1020 1015 1010 1005 1000 995

PV418 RIM 1016.52 — 1012.58 — 18' - 18" SSPRC @ 0.28%

PV419 RIM 1016.56 — 1012.53 — 57' - 18" SSPRC @ 0.28%

PV423 RIM 1016.97 — 1012.37 — 76' - 18" SSPRC @ 0.89%

PV4221 RIM 1018.12 — 1013.05 — 39' - 18" SSPRC @ 0.51%

PV4241 PV4424 RIM 1017.64 — 1013.25 — 8' - 15" SSPRC @ 0.50%

RIM 1017.68 — 1013.79 — 1013.54 — 1013.50 — 18" SSPRC CROSSING @ 1009.63

PV4249 RIM 1019.45 — 1014.88 — 109' - 12" SSPRC @ 1.00%

PV428 RIM 1018.35 — 1013.50 — 170' - 12" SSPRC @ 2.35%

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	STORM SEWER	SHEET 156	E

APRON ENDWALLS FOR RCCP 36-INCH REQ'D

POND E (SEE POND DETAIL SHEETS)

APRON ENDWALLS FOR CULVERT PIPE 15-INCH REQ'D

SHEET 7

N

PV430 APRON ENDWALLS FOR RCCP 36-INCH REQ'D

PV4393

PV4392

PV439

PV435

PV4351

PV442

PV441

WEIR WALL 4393 REQ'D

UD

PV440

PV446

PV4394

PV4361

PV437

PV447

MATCHLINE STA. 144+00

144+00

+50

145+00

+50

146+00

PV4371

+50

147+00

+50

148+00

+50

149+00

+50

150

MATCHLINE STA. 150+00

PV433

PV4372

PV4381

PV438

PLEASANT VIEW RD.

PV443

PV449

UD

PV4391

LEGEND

- (A) ADJUSTING MANHOLE COVERS REQ'D
- (B) ADJUSTING INLET COVERS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) RECONSTRUCTING MANHOLES REQ'D
- (E) RECONSTRUCTING INLETS REQ'D
- (F) STORM SEWER TAP REQ'D

- UD PROPOSED UNDERDRAIN
- PROPOSED STORM SEWER
- PROPOSED INLETS
- PROPOSED MANHOLES
- APRON END WALL

1030
1025
1020
1015
1010
1005
1000
995

PV433
RIM 1014.22
1009.50
1009.00
150' - 18" SSPRC @ 1.23%

PV4372
PV4381
PV438
RIM 1012.40
RIM 1012.40
RIM 1012.43
1007.15
1006.65
1006.46
1007.00
1006.50
25' - 24" SSPRC @ 0.76%
10' - 24" SSPRC @ 0.40%

36" SSPRC CROSSING @ 997.61

PV443
RIM 1015.92
1010.75
185' - 18" SSPRC @ 2.03%

PV449
RIM 1020.26
1015.00
105' - 18" SSPRC @ 4.05%

144+00 145+00 146+00 147+00 148+00 149+00 150+00

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	STORM SEWER	SHEET 157	E

2

SHEET 8

N

PV4511

PV451

PV4512

PV445

PV450

PV455

MATCHLINE STA. 150+00

MATCHLINE STA. 156+00

PLEASANT VIEW RD.

PV448

PV453

PV458

PV459

150+00 151+00 +50 152+00 +50 153+00 +50 154+00 +50 155+00 +50 156

LEGEND

- (A) ADJUSTING MANHOLE COVERS REQ'D
- (B) ADJUSTING INLET COVERS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) RECONSTRUCTING MANHOLES REQ'D
- (E) RECONSTRUCTING INLETS REQ'D
- (F) STORM SEWER TAP REQ'D

- UD PROPOSED UNDERDRAIN
- PROPOSED STORM SEWER
- PROPOSED INLETS
- PROPOSED MANHOLES
- APRON END WALL

1045 1040 1035 1030 1025 1020 1015 1010 1005

PV448
RIM 1025.12
1020.00
105' - 18" SSPRC @ 4.76%

PV453
RIM 1031.50
1026.35
1026.85
193' - 18" SSPRC @ 3.29%

PV458
RIM 1033.68
1029.00
127' - 12" SSPRC @ 1.69%

150+00 151+00 152+00 153+00 154+00 155+00 156+00

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	STORM SEWER	SHEET 158	E

SHEET 9

N

PLEASANT VIEW RD.

MATCHLINE STA. 156+00

MATCHLINE STA. 162+00

PV4651

PV465

PV470

PV460

PV466

PV471

PV467

PV473

PV468

PV463

PV464

156+00 157+00 158+00 159+00 160+00 161+00 162+00

SAN W FO T G OH

LEGEND

- (A) ADJUSTING MANHOLE COVERS REQ'D
- (B) ADJUSTING INLET COVERS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) RECONSTRUCTING MANHOLES REQ'D
- (E) RECONSTRUCTING INLETS REQ'D
- (F) STORM SEWER TAP REQ'D
- UD PROPOSED UNDERDRAIN
- PROPOSED STORM SEWER
- PROPOSED INLETS
- PROPOSED MANHOLES
- APRON END WALL

1040 1035 1030 1025 1020 1015 1010 1005 1000

PV464
RIM 1034.45
1030.48

PV463
RIM 1033.12
1028.50

36' - 12" SSPRC @ 5.50%

174' - 12" SSPRC @ 2.01%

PV468
RIM 1029.06
1025.00
1024.50

221' - 18" SSPRC @ 4.75%

PV473
RIM 1019.66
1014.00

199' - 18" SSPRC @ 6.03%

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	STORM SEWER	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\022509_ss.dgn PLOT DATE : 2/1/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 41

SHEET 10

N

MATCHLINE STA. 162+00

MATCHLINE STA. 168+00

PLEASANT VIEW RD.

PV475 PV478 PV480 PV483 PV481 PV482 PV484 PV4852 PV4851 PV485 PV488 PV491

162+00 163+00 164+00 165+00 166+00 167+00 168+00

+50

SAN W FO OH G T E

LEGEND

- (A) ADJUSTING MANHOLE COVERS REQ'D
- (B) ADJUSTING INLET COVERS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) RECONSTRUCTING MANHOLES REQ'D
- (E) RECONSTRUCTING INLETS REQ'D
- (F) STORM SEWER TAP REQ'D
- UD PROPOSED UNDERDRAIN
- PROPOSED STORM SEWER
- PROPOSED INLETS
- PROPOSED MANHOLES
- APRON END WALL

PV478
RIM 1007.20
1002.00

200' - 18" SSPRC @ 7.00%

PV483
RIM 993.20
988.00
987.50

111' - 24" SSPRC @ 8.11%

PV484
RIM 985.15
978.50

91' - 24" SSPRC @ 6.87%

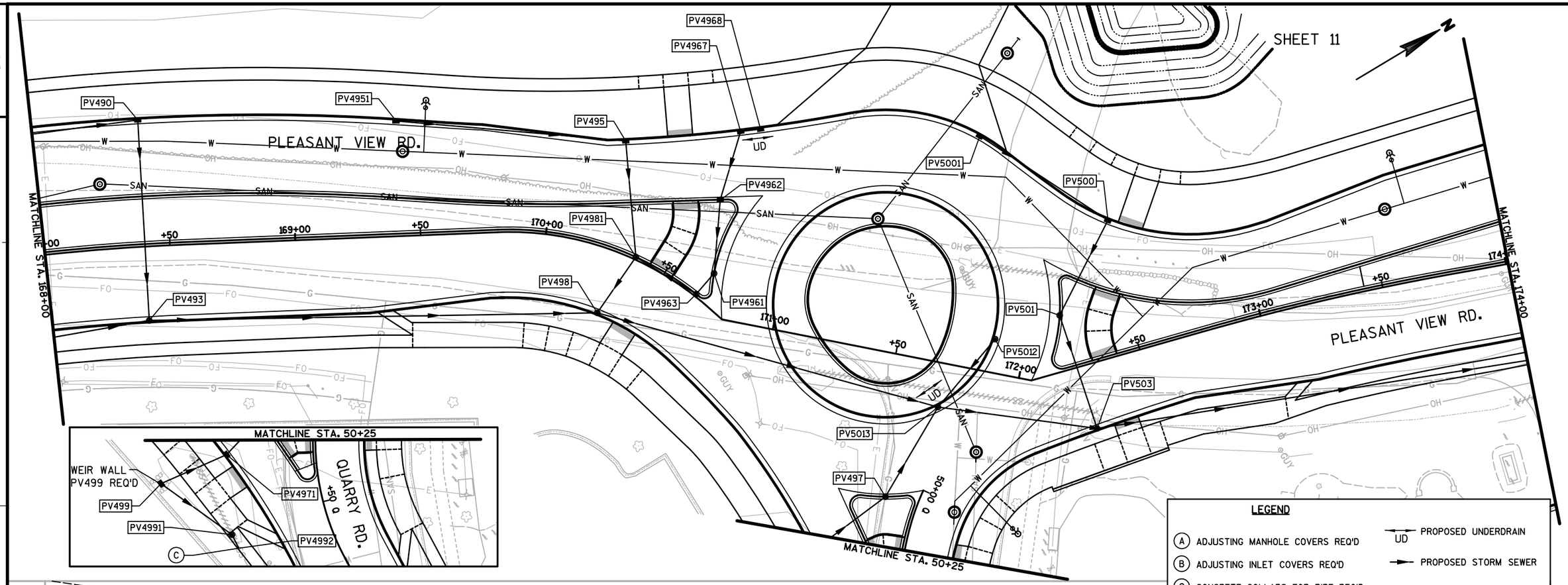
PV488
RIM 978.50
972.25
971.75

178' - 30" SSPRC @ 7.16%

1010 1005 1000 995 990 985 980 975 970

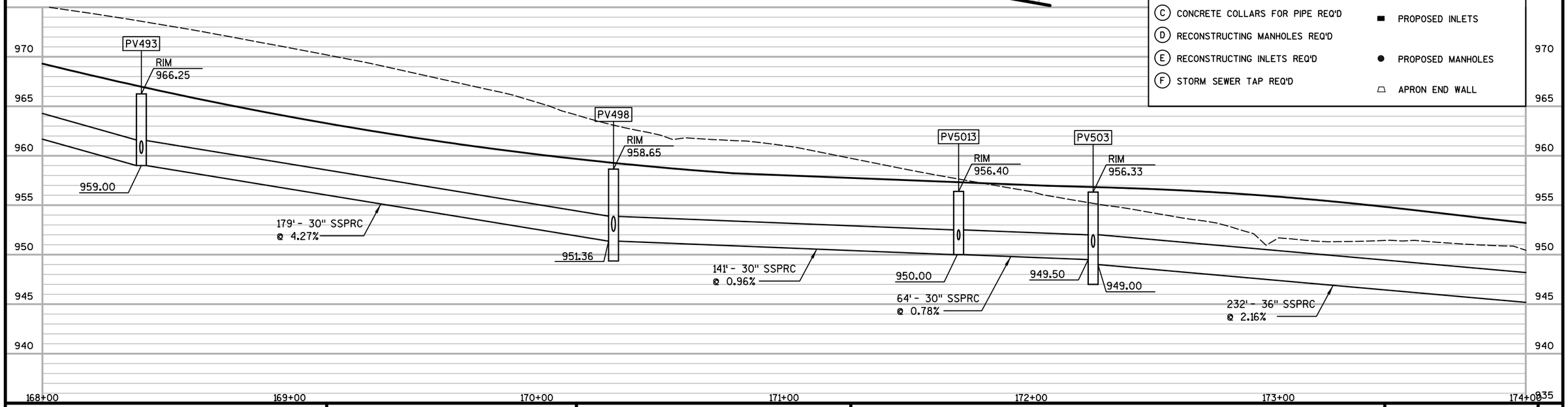
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	STORM SEWER	SHEET 160	E

2



LEGEND

- (A) ADJUSTING MANHOLE COVERS REQ'D
- (B) ADJUSTING INLET COVERS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) RECONSTRUCTING MANHOLES REQ'D
- (E) RECONSTRUCTING INLETS REQ'D
- (F) STORM SEWER TAP REQ'D
- UD PROPOSED UNDERDRAIN
- PROPOSED STORM SEWER
- PROPOSED INLETS
- PROPOSED MANHOLES
- APRON END WALL



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	STORM SEWER	SHEET 161	E

2

SHEET 12

N

APRON ENDWALLS FOR RCCP 18-INCH REQ'D

APRON ENDWALLS FOR CULVERT PIPE 18-INCH REQ'D

APRON ENDWALLS FOR RCCP 18-INCH REQ'D

TERRACE INLET TYPE II REQ'D

PV5051 PV505 PV506 PV5061 PV5062 PV507 PV508 PV509

PV5151 PV515 PV5161 PV5162

PV521 PV520 PV525 PV526 PV5265 PV5264 PV5261

PV516 PV517 PV527 PV519 PV518 PV523 PV528 PV535 PV536

MATCHLINE STA. 174+00

MATCHLINE STA. 180+00

175+00 +50 176+00 +50 177+00 +50 178+00 +50 179+00 +50 180+00

PLEASANT VIEW ROAD

SEE POND F DETAILS

INLET PV536 REQ'D

10-INCH PVC STORM SEWER REQ'D; STORM SEWER HAS NEGATIVE SLOPE

UD

W

FO

OH

G

LEGEND

- (A) ADJUSTING MANHOLE COVERS REQ'D
- (B) ADJUSTING INLET COVERS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) RECONSTRUCTING MANHOLES REQ'D
- (E) RECONSTRUCTING INLETS REQ'D
- (F) STORM SEWER TAP REQ'D

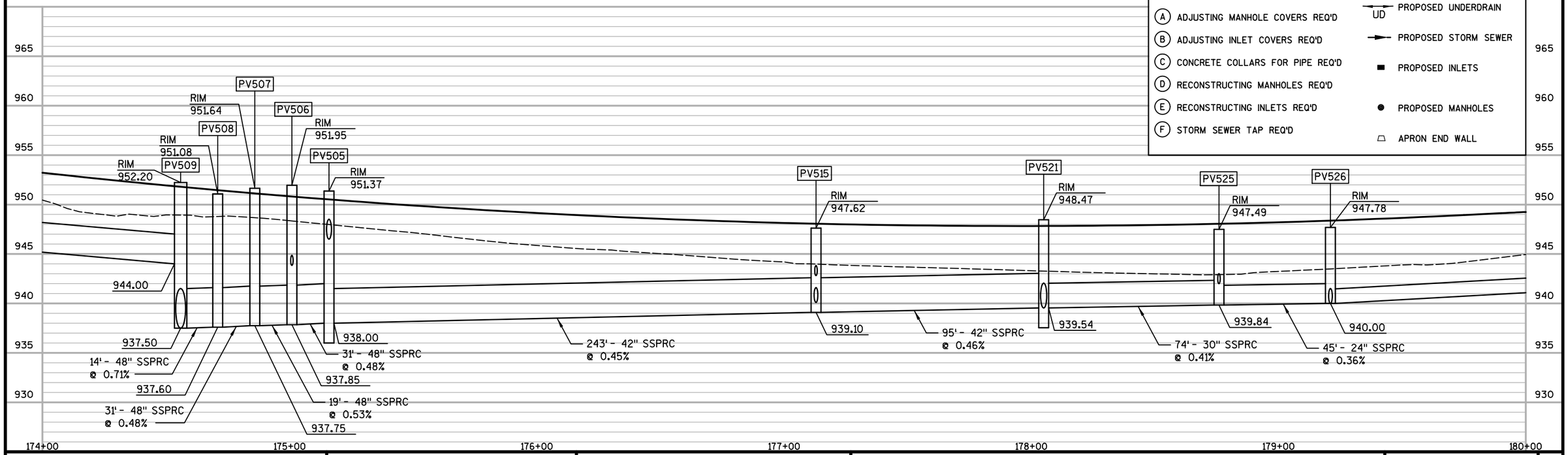
UD PROPOSED UNDERDRAIN

PROPOSED STORM SEWER

PROPOSED INLETS

PROPOSED MANHOLES

APRON END WALL



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	STORM SEWER	SHEET 162	E

APPROX. 30-FEET OF 12-INCH PIPE TO BE TRENCHLESS STORM SEWER CONSTRUCTION, 12-INCH

SHEET 13

PV530 PV555 PV556 PV557 PV533

MATCHLINE STA. 180+00

PLEASANT VIEW RD.

USH 14 (UNIVERSITY AVE.)

LEGEND

- (A) ADJUSTING MANHOLE COVERS REQ'D
- (B) ADJUSTING INLET COVERS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) RECONSTRUCTING MANHOLES REQ'D
- (E) RECONSTRUCTING INLETS REQ'D
- (F) STORM SEWER TAP REQ'D
- UD PROPOSED UNDERDRAIN
- PROPOSED STORM SEWER
- PROPOSED INLETS
- PROPOSED MANHOLES
- APRON END WALL

PV530
RIM 949.22
941.75
175' - 18" SSPRC @ 1.00%

PV555
RIM 950.55
942.28
105' - 12" SSPRC @ 0.50%

PORTION OF PIPE TO BE TRENCHLESS STORM SEWER CONSTRUCTION, 12-INCH (APPROXIMATELY 30-FEET)

965 960 955 950 945 940 935 930 925

180+00 181+00 182+00 183+00 184+00 185+00

PROJECT NO: 5310-02-75	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	STORM SEWER	SHEET 163 E

SHEET 14

N

USH 14 (UNIVERSITY AVE.)

APRON ENDWALLS FOR RCCP 18-INCH REQ'D

PV552

PV550

PV546

PV548

PV544

PV543

PV542

PV540

LEGEND

- (A) ADJUSTING MANHOLE COVERS REQ'D
- (B) ADJUSTING INLET COVERS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) RECONSTRUCTING MANHOLES REQ'D
- (E) RECONSTRUCTING INLETS REQ'D
- (F) STORM SEWER TAP REQ'D
- UD PROPOSED UNDERDRAIN
- PROPOSED STORM SEWER
- PROPOSED INLETS
- PROPOSED MANHOLES
- APRON END WALL

PV543
RIM 950.35
PV542
RIM 950.82
PV544
RIM 950.55
946.57
6' - 12" SSPRC @ 0.50%
946.54
9' - 15" SSPRC @ 0.56%
946.49
5' - 15" SSPRC @ 0.60%
946.46
946.16
6' - 18" SSPRC @ 0.83%
946.21
945.85
23' - 18" SSPRC @ 0.43%
945.75

965 960 955 950 945 940 935 930 925

101+00 U 102+00 U 103+00 U 104+00 U 105+00 U 106+00 U

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	STORM SEWER	SHEET 164 E

SHEET 15

APRON ENDWALLS FOR RCCP 18-INCH REQ'D

PV3907

PV3906

PV3905

PV3904

PV3903

PV3902

PV3908

PV390

PV391

BLACKHAWK RD.

PLEASANT VIEW RD.

MATCHLINE STA. 16+00 B

N

LEGEND

- (A) ADJUSTING MANHOLE COVERS REQ'D
- (B) ADJUSTING INLET COVERS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) RECONSTRUCTING MANHOLES REQ'D
- (E) RECONSTRUCTING INLETS REQ'D
- (F) STORM SEWER TAP REQ'D
- UD PROPOSED UNDERDRAIN
- PROPOSED STORM SEWER
- PROPOSED INLETS
- PROPOSED MANHOLES
- APRON END WALL

1041.90

134' - 18" SSPRC @ 8.88%

RIM 1034.56

RIM 1034.62

1030.00

1029.67

33' - 18" SSPRC @ 1.00%

189' - 18" SSPRC @ 7.63%

RIM 1020.77

1015.25

91' - 18" SSPRC @ 1.87%

RIM 1018.38

RIM 1018.37

1013.55

1013.50

11' - 18" SSPRC @ 0.45%

81' - 18" SSPRC @ 1.98%

RIM 1019.00

1011.90

1011.40

38' - 24" SSPRC @ 3.24%

1045 1040 1035 1030 1025 1020 1015 1010 1005 1000

11+00 B 12+00 B 13+00 B 14+00 B 15+00 B

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	STORM SEWER	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\022515_ss.dgn PLOT DATE : 2/1/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 41

SHEET 16

N

PLEASANT VIEW RD.

BLACKHAWK RD.

MATCHLINE STA. 16+00 B

15+00 B

16+00 B

17+00 B

18+00 B

19+00 B

20+00 B

21+00 B

+50 B

PV392

PV3921

PV3922

PV3924

PV3925

PV3926

PV3927

PV3928

LEGEND

- (A) ADJUSTING MANHOLE COVERS REQ'D
- (B) ADJUSTING INLET COVERS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) RECONSTRUCTING MANHOLES REQ'D
- (E) RECONSTRUCTING INLETS REQ'D
- (F) STORM SEWER TAP REQ'D
- UD PROPOSED UNDERDRAIN
- PROPOSED STORM SEWER
- PROPOSED INLETS
- PROPOSED MANHOLES
- APRON END WALL

PV392
PV3921
PV3922
PV3924

RIM 1015.14
RIM 1015.14
RIM 1015.34
RIM 1013.68

1010.17
1007.85
1007.80
1007.00
1003.62
1003.29

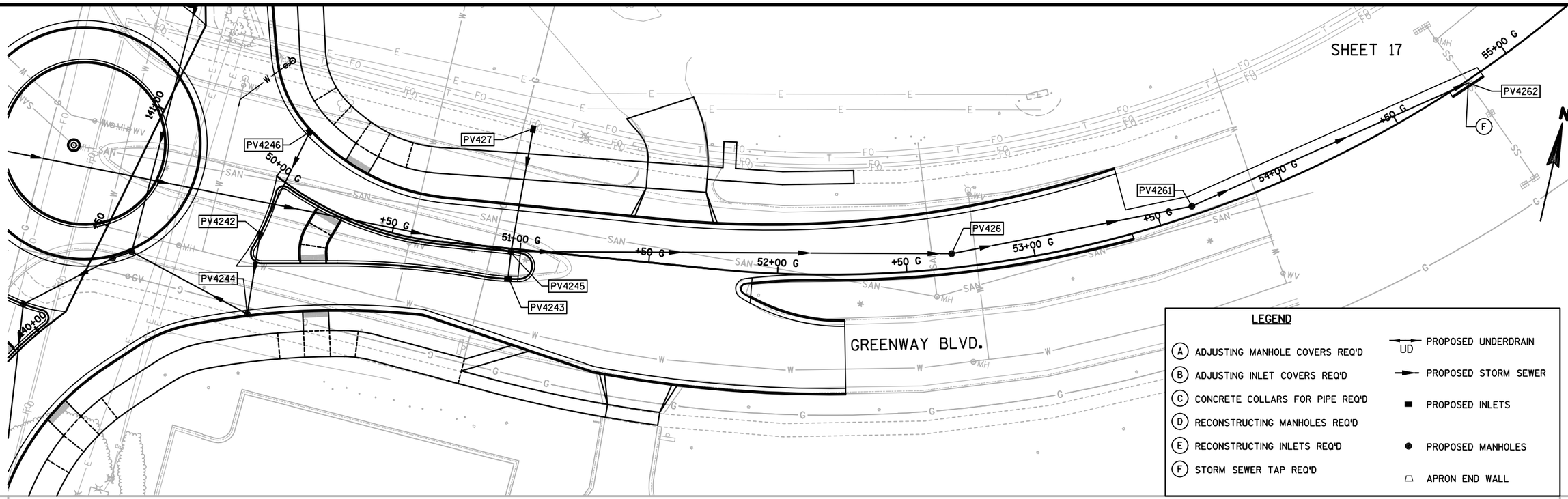
10' - 24" SSPRC @ 0.50%
32' - 30" SSPRC @ 2.50%
71' - 30" SSPRC @ 4.76%
6' - 30" SSPRC @ 5.50%

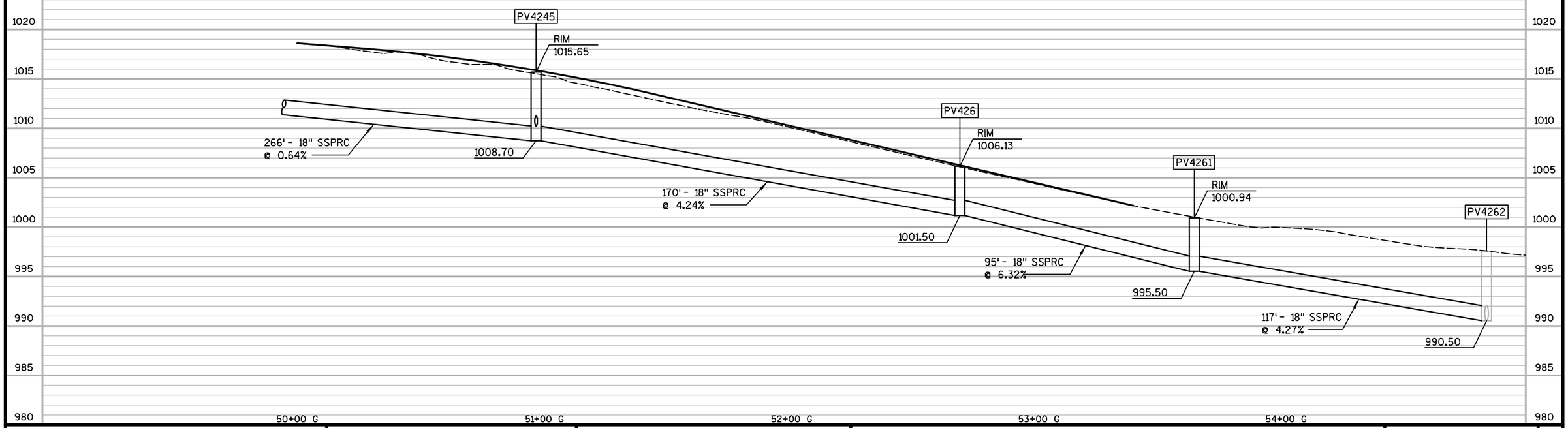
1025 1020 1015 1010 1005 1000 995 990 985 980

17+00 B 18+00 B 19+00 B 20+00 B 21+00 B

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	STORM SEWER	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\022516_ss.dgn PLOT DATE : 2/1/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 41





FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\022517_ss.dgn PLOT DATE : 2/1/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 41

SHEET 18

N

CULVERT PIPE SALVAGED 15-INCH REQ'D
(APPROXIMATE LOCATION)

CULVERT PIPE SALVAGED 15-INCH REQ'D
(APPROXIMATE LOCATION)

N = 489,976.34
E = 781,280.19

PV5097

175+00

+50

114+00

LEGEND

- (A) ADJUSTING MANHOLE COVERS REQ'D
- (B) ADJUSTING INLET COVERS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) RECONSTRUCTING MANHOLES REQ'D
- (E) RECONSTRUCTING INLETS REQ'D
- (F) STORM SEWER TAP REQ'D
- UD PROPOSED UNDERDRAIN
- PROPOSED STORM SEWER
- PROPOSED INLETS
- PROPOSED MANHOLES
- APRON END WALL

960
955
950
945
940
935
930
925
920
915

EXISTING
PROFILE

PV5097

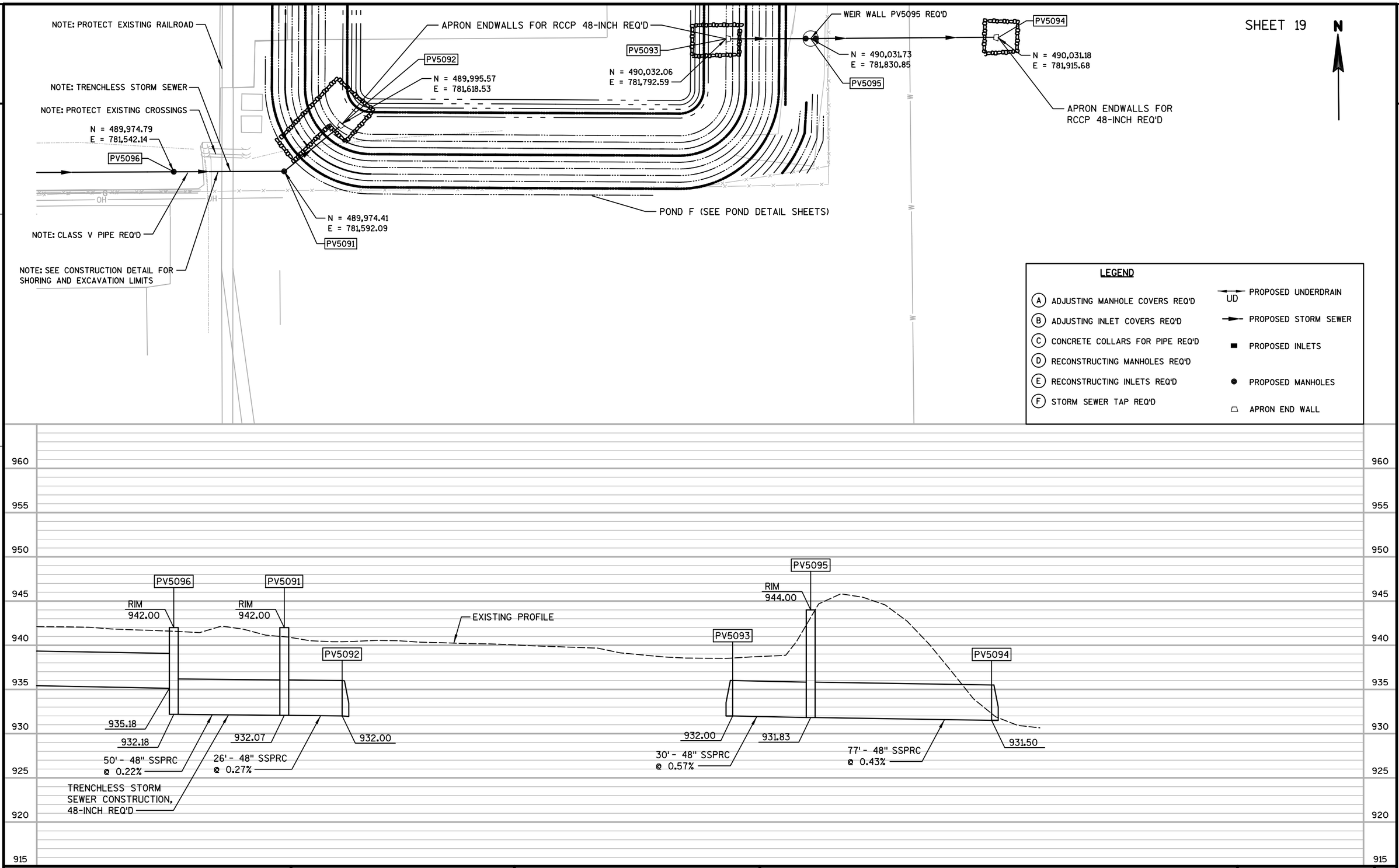
RIM
943.80

936.77

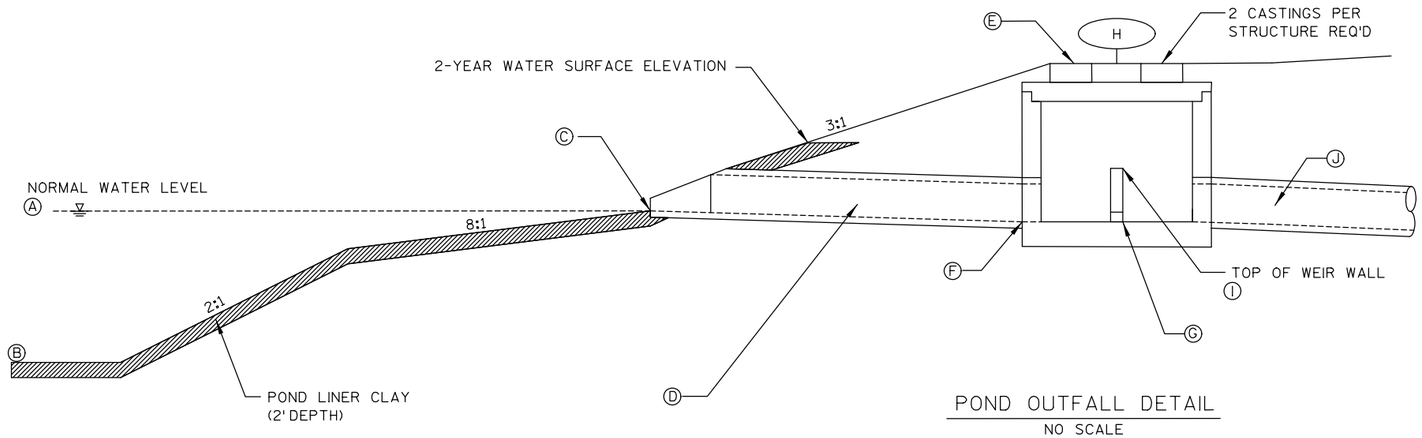
335'- 48" SSPRC
@ 0.22%

262'- 48"
SSPRC @ 0.61%

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	STORM SEWER	SHEET 168	E



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	STORM SEWER	SHEET 169 E



POND OUTFALL DETAIL
NO SCALE

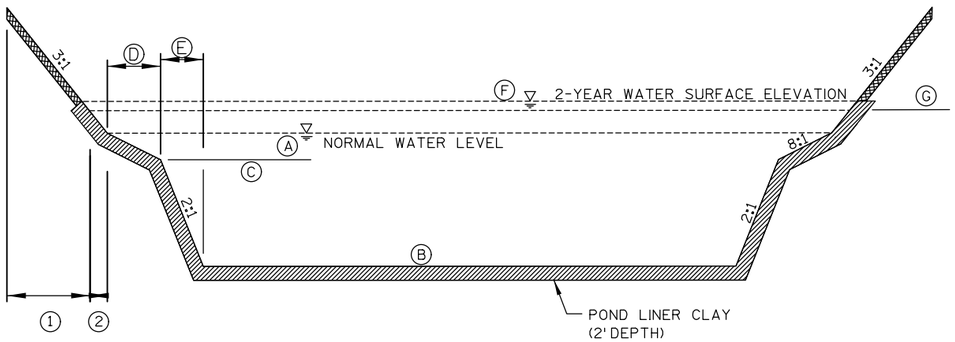
POND OUTFALL DETAIL				
CALLOUT	DESCRIPTION	VALUE		
		POND D	POND E	POND F
A	NORMAL WATER LEVEL	1012.00	1006.00	932.00
B	POND BOTTOM	1007.00	1001.00	927.00
C	AEW INVERT	1012.00	1006.00	932.00
D	UPSTREAM PIPE	15 LF-18" RCP @ 1.00%	14 LF- 36" RCP @ 1.86%	30 LF - 48" RCP @ 0.57%
E	RIM ELEVATION	1018.00	1013.00	944.00
F	STRUCTURE INVERT	1011.85	1005.74	931.86
G	4-INCH ORFICE INVERT	1011.85	1005.74	931.86
H	STRUCTURE NUMBER/SIZE	PV4154 (7-FT)	PV4393 (7-FT)	PV5095 (7-FT)
I	TOP OF WEIR WALL/ITEM	1015.00/WEIR PV4154	1009.00/WEIR PV4393	934.00/WEIR PV5095
J	DOWNSTREAM PIPE	28 LF - 18" RCP @1.57%	65 LF - 36" RCP @ 1.49%	77 LF - 48" RCP @ 0.43%

(1) TALLGRASS PRAIRIE SEED MIX, AND ECRM CLASS II TYPE C

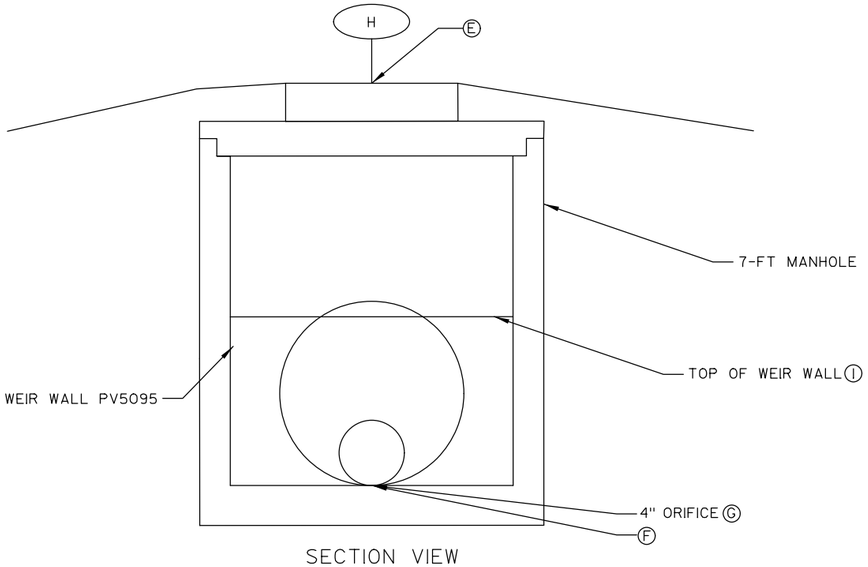
(2) DETENTION BASIN SEED MIX, AND ECRM CLASS II TYPE C

NOTE:
ALL VEGETATED AREA SHALL HAVE A MINIMUM OF 6-INCHES TOPSOIL PLACED BEFORE SEEDING.

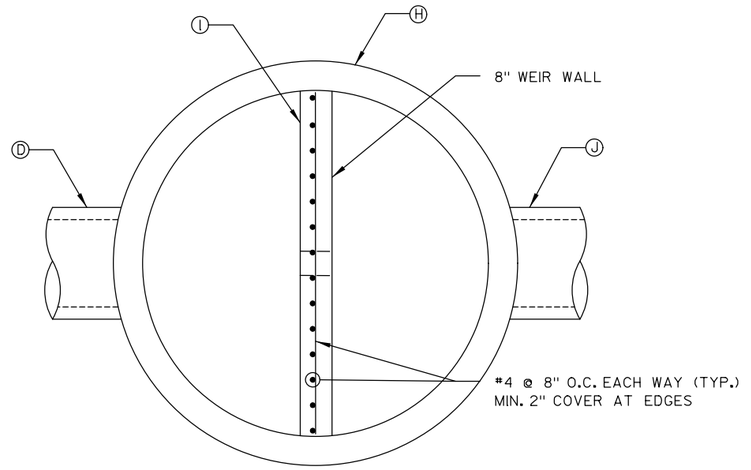
POND SLOPE DETAIL				
CALLOUT	DESCRIPTION	VALUE		
		POND D	POND E	POND F
A	NORMAL WATER LEVEL	1012.00	1006.00	932.00
B	POND BOTTOM	1007.00	1001.00	927.00
C	SAFETY SHELF BOTTOM	1011.00	1005.00	931.00
D	SAFETY SHELF LENGTH	8-FT	8-FT	8-FT
E	STORAGE LENGTH	8-FT	VARIES	8-FT
F	2-YEAR WATER SURFACE	1014.00	1009.50	936.50
G	SEED MIX TRANSITION	1014.00	1008.00	934.00



POND SLOPE DETAIL
NO SCALE



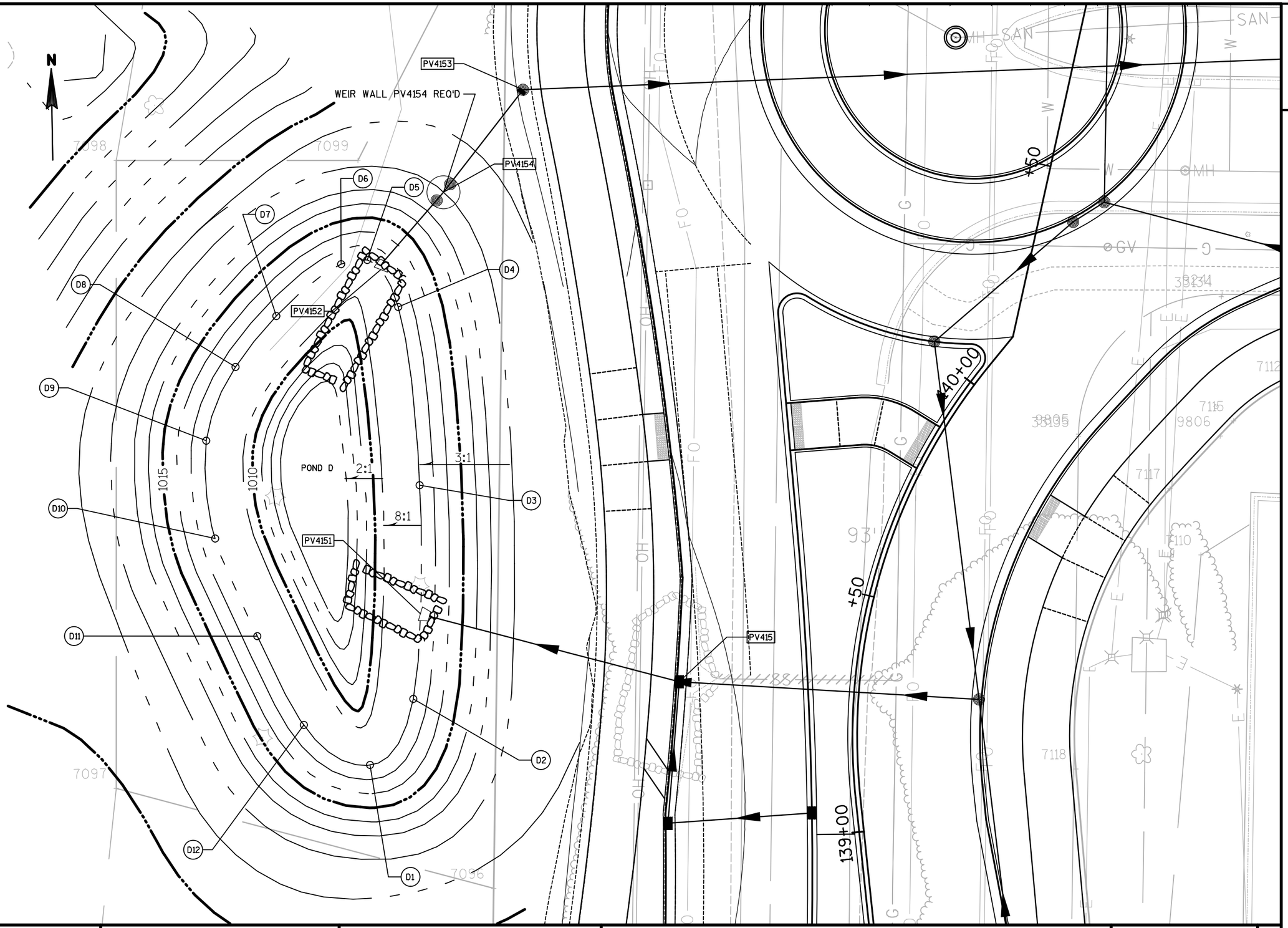
SECTION VIEW
NO SCALE



PLAN VIEW
NO SCALE

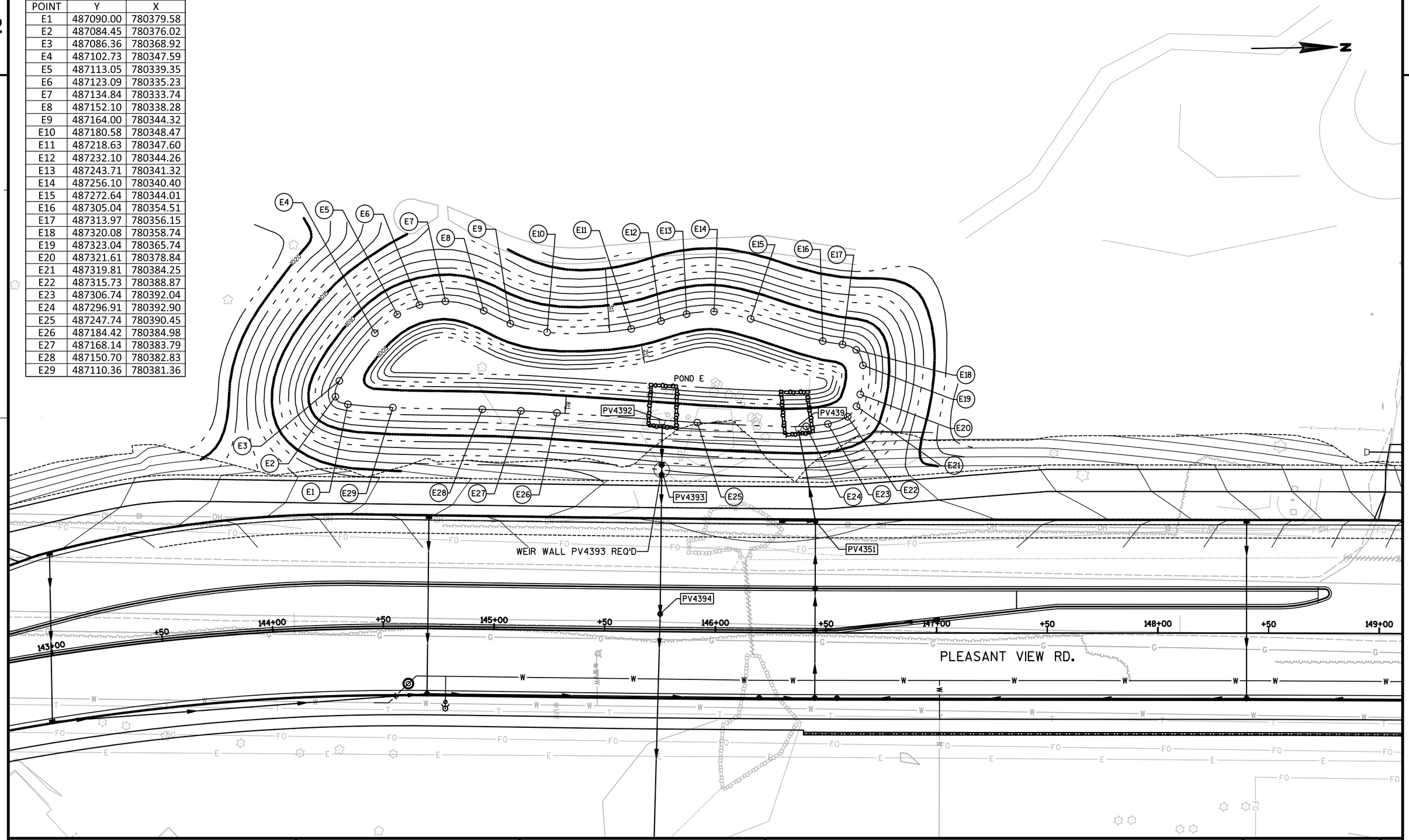
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	POND OUTFALL DETAILS	SHEET 170	E

POND LAYOUT COORDINATES		
POINT	Y	X
D1	486586.39	780358.08
D2	780367.45	486600.20
D3	780369.53	486645.41
D4	780365.62	486683.23
D5	780359.23	486693.26
D6	780353.69	486692.48
D7	780339.78	486681.71
D8	780330.96	486671.08
D9	780324.50	486655.58
D10	780326.05	486634.85
D11	780334.65	486614.02
D12	780344.19	486595.09



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	POND D DETAILS	SHEET 171	E

POND LAYOUT COORDINATES		
POINT	Y	X
E1	487090.00	780379.58
E2	487084.45	780376.02
E3	487086.36	780368.92
E4	487102.73	780347.59
E5	487113.05	780339.35
E6	487123.09	780335.23
E7	487134.84	780333.74
E8	487152.10	780338.28
E9	487164.00	780344.32
E10	487180.58	780348.47
E11	487218.63	780347.60
E12	487232.10	780344.26
E13	487243.71	780341.32
E14	487256.10	780340.40
E15	487272.64	780344.01
E16	487305.04	780354.51
E17	487313.97	780356.15
E18	487320.08	780358.74
E19	487323.04	780365.74
E20	487321.61	780378.84
E21	487319.81	780384.25
E22	487315.73	780388.87
E23	487306.74	780392.04
E24	487296.91	780392.90
E25	487247.74	780390.45
E26	487184.42	780384.98
E27	487168.14	780383.79
E28	487150.70	780382.83
E29	487110.36	780381.36



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	POND E DETAILS	SHEET 172	E

POND LAYOUT COORDINATES		
POINT	Y	X
F1	489990.73	781631.61
F2	489997.12	781616.86
F3	490012.07	781610.95
F4	490057.95	781611.70
F5	490072.69	781618.09
F6	490078.60	781633.04
F7	490076.33	781772.31
F8	490069.94	781787.06
F9	490054.99	781792.96
F10	490009.11	781792.22
F11	489994.36	781785.82
F12	489988.46	781770.88

N

TURF REINFORCEMENT MAT SYSTEM
SEE SWALLOWTAIL POND DETAILS

940
940
935
930

POND F

WEIR WALL PV5095 REQ'D

PV5095

2:1

3:1 (TYP.)

PV5093

PV5094

FENCE CHAIN LINK
SALVAGED 6-FT. REQ'D

PV5092

PV5091

8:1

F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 F12

OH

W

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	POND F DETAILS	SHEET 173	E

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	LENGTH (FT)	SLOPE (%)	REMARKS
PV340	108+66.3 NB	67.6 ' LT	-	-	-	-	-	-	1057.70	-	-	-	-	-	-	-	ADJUSTING MANHOLE COVERS REQ'D
PV341	108+46.7 NB	19.7 ' LT	-	-	-	-	-	-	1059.78	-	-	-	-	-	-	-	ADJUSTING INLET COVERS REQ'D
PV342	108+47.0 NB	12.9 ' LT	-	-	-	-	-	-	1059.92	-	-	-	-	-	-	-	ADJUSTING INLET COVERS REQ'D
PV343	108+46.4 NB	34.3 ' RT	-	-	-	-	-	-	1059.54	-	-	-	-	-	-	-	ADJUSTING INLET COVERS REQ'D
PV345	111+03.0 NB	40.2 ' LT	69.7	PV348	2X3-FT	H	-	-	1053.96	1053.13	3.73	12	1049.40	1049.00	70	0.57%	
PV348	111+05.0 NB	29.5 ' RT	205.0	PV353	2X3-FT	H	-	-	1053.88	1053.05	4.05	12	1049.00	1040.50	205	4.15%	
PV350	113+10.0 NB	39.5 ' LT	69.0	PV353	2X3-FT	H	-	-	1045.41	1044.58	3.68	12	1040.90	1040.50	69	0.58%	
PV353	113+10.0 NB	29.5 ' RT	206.3	PV358	4-FT	H	-	-	1045.41	1044.58	4.58	18	1040.00	1028.00	206	5.83%	
PV355	115+15.0 NB	39.7 ' LT	30.5	PV356	2X3-FT	H	-	-	1033.17	1032.34	3.32	12	1029.02	1028.88	31	0.45%	
PV356	115+15.0 NB	9.2 ' LT	8.2	PV357	2X3-FT	H	-	-	1033.76	1032.93	4.05	12	1028.88	1028.80	8	1.00%	
PV357	115+15.0 NB	1.0 ' LT	30.5	PV358	2X3-FT	H	-	-	1033.74	1032.91	4.11	12	1028.80	1028.50	30	1.00%	
PV358	115+15.0 NB	29.5 ' RT	90.4	PV3581	4-FT	H	-	-	1033.18	1032.35	8.85	18	1023.50	1019.00	90	5.00%	
PV3581	116+03.4 NB	33.0 ' RT	13.7	PV3582	-	-	-	-	-	-	-	18	1014.00	1013.86	14	1.00%	INLET PV3581 REQ'D
PV35811	116+00.0 NB	29.5 ' RT	-	-	-	H	-	-	1028.08	-	-	-	-	-	-	-	CASTING INFORMATION ONLY
PV35812	116+07.8 NB	29.5 ' RT	-	-	-	H	-	-	1027.61	-	-	-	-	-	-	-	CASTING INFORMATION ONLY
PV3582	116+07.0 NB	46.2 ' RT	51.6	PV3583	-	-	4-FT	J	1025.20	1023.95	20.43	18	1003.52	1003.00	52	1.00%	CLASS V PIPE REQ'D; CITY OF MADISON LID REQ'D
PV3583	116+01.0 NB	103.4 ' RT	-	-	-	-	-	-	-	-	-	18	1003.00	-	-	-	APRON ENDWALLS FOR RCCP 18-INCH REQ'D
PV359	116+82.6 NB	129.7 ' LT	62.9	PV3595	-	-	-	-	-	-	-	48	1008.92	1008.62	63	0.48%	SWALLOWTAIL POND OUTLET CONTROL STRUCTURE (SEE SWALLOWTAIL POND DETAILS)
PV359	116+82.6 NB	129.7 ' LT	58.7	PV3596	-	-	-	-	-	-	-	48	1008.92	1008.62	59	0.51%	SECONDARY OUTLET PIPE
PV3592	117+00.9 NB	43.8 ' LT	98.9	PV3594	-	H	9-FT	-	1022.00	1021.17	17.80	48	1003.37	1003.15	99	0.22%	CLASS V PIPE REQ'D
PV3593	116+32.5 NB	111.8 ' RT	-	-	-	-	-	-	-	-	-	48	1003.00	-	-	-	APRON ENDWALLS FOR RCCP 48-INCH REQ'D
PV3594	116+80.0 NB	53.0 ' RT	67.5	PV3593	-	-	7-FT	J	1018.55	1017.30	14.15	48	1003.15	1003.00	68	0.22%	CITY OF MADISON LID REQ'D
PV3595	116+60.2 NB	70.9 ' LT	176.4	PV3597	-	-	8-FT	J	1025.05	1023.80	20.95	60	1002.85	1002.00	176	0.48%	CLASS V PIPE REQ'D; RUBBERIZED MEMBRANE WATERPROOFING REQ'D (CAT 0160); CITY OF MADISON LID REQ'D
PV3596	116+72.2 NB	71.9 ' LT	180.4	PV3598	-	-	8-FT	J	1024.42	1023.17	20.32	60	1002.85	1002.00	180	0.47%	CLASS V PIPE REQ'D; RUBBERIZED MEMBRANE WATERPROOFING REQ'D (CAT 0160); CITY OF MADISON LID REQ'D
PV3597	116+10.1 NB	106.1 ' RT	-	-	-	-	-	-	-	-	-	60	1002.00	-	-	-	APRON ENDWALLS FOR RCCP 60-INCH REQ'D
PV3598	116+20.0 NB	109.1 ' RT	-	-	-	-	-	-	-	-	-	60	1002.00	-	-	-	APRON ENDWALLS FOR RCCP 60-INCH REQ'D
PV360	118+55.0 NB	48.5 ' LT	25.8	PV362	-	H	6-FT	-	1014.49	1013.66	9.87	42	1003.79	1003.72	26	0.27%	
PV361	118+32.0 NB	108.3 ' LT	60.0	PV362	3-FT	C	-	-	1014.75	1013.50	2.20	12	1011.30	1011.00	60	0.50%	
PV362	118+30.0 NB	48.2 ' LT	132.4	PV3592	-	H	7-FT	-	1015.46	1014.63	10.91	48	1003.72	1003.37	132	0.27%	
PV363	118+55.0 NB	29.5 ' RT	78.0	PV360	2X3-FT	DW	-	-	1014.39	1013.56	3.78	12	1009.78	1009.00	78	1.00%	
PV364	120+88.0 NB	37.5 ' LT	236.2	PV360	-	-	7-FT	J-S	1010.48	1009.23	4.77	42	1004.46	1003.79	236	0.28%	
PV365	120+78.3 NB	56.1 ' LT	10.0	PV370	-	-	-	-	1010.43	-	-	30	1004.95	1004.65	10	3.00%	TERRACE INLET TYPE II REQ'D
PV366	120+89.0 NB	20.0 ' LT	17.6	PV364	2X3-FT	H-S	-	-	1010.65	1009.82	5.21	24	1004.61	1004.46	18	0.83%	
PV367	120+89.0 NB	12.0 ' LT	8.0	PV366	2X3-FT	H-S	-	-	1010.45	1009.62	4.97	24	1004.65	1004.61	8	0.50%	
PV368	120+98.0 NB	35.1 ' RT	47.9	PV367	-	-	-	-	1010.06	-	-	24	1004.87	1004.65	48	0.46%	TERRACE INLET TYPE II REQ'D
PV370	120+88.0 NB	56.1 ' LT	18.6	PV364	-	-	-	-	1010.43	-	-	36	1004.65	1004.46	19	1.00%	TERRACE INLET TYPE II REQ'D
PV375	123+15.0 NB	50.5 ' LT	125.0	PV379	4-FT	H	-	-	1012.36	1011.53	5.28	24	1006.25	1005.46	125	0.63%	
PV376	121+85.0 NB	20.0 ' LT	30.9	PV379	2X3-FT	H	-	-	1011.30	1010.47	3.86	12	1006.61	1006.46	31	0.48%	
PV377	121+85.0 NB	7.6 ' LT	12.4	PV376	2X3-FT	H	-	-	1010.88	1010.05	3.38	12	1006.67	1006.61	12	0.50%	
PV378	123+22.0 NB	29.5 ' RT	80.3	PV375	2X3-FT	H	-	-	1012.08	1011.25	3.20	12	1008.05	1007.25	80	1.00%	
PV379	121+90.0 NB	50.5 ' LT	103.0	PV364	-	H	5-FT	-	1010.80	1009.97	5.01	30	1004.96	1004.46	103	0.49%	
PV380	125+38.9 NB	50.8 ' LT	223.3	PV375	4-FT	H	-	-	1014.79	1013.96	4.96	18	1009.00	1006.75	223	1.01%	
PV3801	125+37.6 NB	80.6 ' LT	29.8	PV380	MEDIAN 1 GRATE	MS-A	-	-	1017.03	1017.03	6.03	18	1011.00	1009.00	30	6.67%	
PV3802	125+37.3 NB	86.6 ' LT	6.0	PV3801	-	-	-	-	-	-	-	18	1015.04	1015.02	6	0.33%	CONCRETE COLLARS FOR PIPE REQ'D
PV383	125+50.0 NB	29.5 ' RT	81.0	PV380	2X3-FT	H	-	-	1013.79	1012.96	3.56	12	1009.40	1009.00	81	0.49%	
PV385	126+37.0 NB	45.1 ' LT	75.6	PV388	2X3-FT	H	-	-	1015.40	1014.57	3.57	12	1011.00	1009.85	76	1.51%	
PV388	126+25.0 NB	29.5 ' RT	197.1	PV3921	4-FT	H	-	-	1014.33	1013.50	4.15	18	1009.35	1007.85	197	0.76%	
PV390	128+44.8 NB	100.8 ' LT	80.6	PV391	-	H	5-FT	-	1018.37	1017.54	4.04	18	1013.50	1011.90	81	1.98%	
PV3901	128+64.8 NB	109.1 ' LT	21.6	PV390	2X3-FT	H	-	-	1018.63	1017.80	3.30	12	1014.50	1014.00	22	2.27%	
PV3902	128+36.4 NB	108.5 ' LT	11.4	PV390	4-FT	H	-	-	1018.38	1017.55	4.00	18	1013.55	1013.50	11	0.45%	
PV3903	14+06.9 B	16.5 ' RT	91.1	PV3902	4-FT	H	-	-	1020.77	1019.94	4.69	18	1015.25	1013.55	91	1.87%	

NOTE:
1. ALL CASTINGS TO BE CENTERED ON THE STRUCTURE UNLESS OTHERWISE NOTED (CIRCULAR CASTINGS MAY BE OFFSET). STEPS ARE NOT REQUIRED IN STORM SEWER STRUCTURES.
2. ALL MANHOLE AND INLET RECONSTRUCTS ARE ASSUMED TO HAVE 6" OF ADJ. RINGS PER "DETAIL FOR COMPUTING STRUCTURE ELEVATIONS".

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	LENGTH (FT)	SLOPE (%)	REMARKS
PV3904	14+06.4 B	18.5 ' LT	35.0	PV3903	2X3-FT	H	-	-	1020.74	1019.91	3.71	12	1016.20	1015.75	35	1.29%	
PV3905	12+18.1 B	16.5 ' RT	189.2	PV3903	4-FT	H	-	-	1034.62	1033.79	4.12	18	1029.67	1015.25	189	7.63%	
PV3906	12+19.3 B	16.5 ' LT	33.0	PV3905	4-FT	H	-	-	1034.56	1033.73	3.73	18	1030.00	1029.67	33	1.00%	
PV3907	10+80.0 B	30.0 ' LT	134.0	PV3906	-	-	-	-	-	-	-	18	1041.90	1030.00	134	8.88%	APRON ENDWALLS FOR RCCP 18-INCH REQ'D
PV3908	128+15.0 NB	107.9 ' LT	21.4	PV3902	2X3-FT	H	-	-	1017.93	1017.10	2.84	12	1014.26	1014.05	21	1.00%	
PV391	128+34.5 NB	20.9 ' LT	38.4	PV3921	-	-	4-FT	J	1019.00	1017.75	6.35	24	1011.40	1010.17	38	3.24%	CITY OF MADISON LID REQ'D
PV3911	127+86.0 NB	10.8 ' LT	44.9	PV391	2X3-FT	H	-	-	1016.31	1015.48	3.68	12	1011.80	1011.40	45	0.89%	
PV3912	127+68.0 NB	66.4 ' LT	60.3	PV3911	2X3-FT	H	-	-	1016.89	1016.06	3.06	12	1013.00	1012.40	60	1.00%	
PV392	128+48.0 NB	20.0 ' RT	32.2	PV3922	-	T	6-FT	-	1015.14	1014.22	6.42	30	1007.80	1007.00	32	2.50%	
PV3921	128+38.4 NB	17.3 ' RT	10.0	PV392	-	T	5-FT	-	1015.14	1014.22	6.37	24	1007.85	1007.80	10	0.50%	
PV3922	128+55.5 NB	51.4 ' RT	71.2	PV3924	-	H	5-FT	-	1015.34	1014.51	7.51	30	1007.00	1003.62	71	4.76%	
PV3924	17+34.0 B	11.6 ' RT	6.0	PV3928	-	-	5-FT	J-S	1013.68	1012.43	8.81	30	1003.62	1003.29	6	5.50%	
PV3925	19+53.0 B	30.6 ' RT	-	-	-	-	-	-	999.04	-	-	-	-	-	-	-	RECONSTRUCTING MANHOLES REQ'D
PV3926	19+53.1 B	21.7 ' RT	-	-	-	-	-	-	998.20	-	-	-	-	-	-	-	RECONSTRUCTING INLETS REQ'D
PV3927	19+52.8 B	22.1 ' LT	-	-	-	-	-	-	998.20	-	-	-	-	-	-	-	RECONSTRUCTING INLETS REQ'D
PV3928	17+39.7 B	12.3 ' RT	-	-	-	-	-	-	-	-	-	30	1003.29	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
PV393	129+28.0 NB	13.1 ' LT	12.5	PV3932	4-FT	H	-	-	1017.09	1016.26	3.91	18	1012.35	1012.00	12	2.92%	
PV3931	129+46.0 NB	35.2 ' LT	28.4	PV393	2X3-FT	H	-	-	1018.05	1017.22	4.42	18	1012.80	1012.62	28	0.64%	
PV3932	129+31.0 NB	1.0 ' LT	85.7	PV392	-	H	5-FT	-	1016.95	1016.12	4.62	24	1011.50	1010.63	86	1.01%	CLASS V PIPE REQ'D
PV3933	129+17.0 NB	25.5 ' RT	30.0	PV3932	4-FT	H	-	-	1016.24	1015.41	3.76	12	1011.65	1011.50	30	0.50%	
PV3934	129+59.9 NB	58.3 ' LT	27.0	PV3931	4-FT	H-S	-	-	1017.71	1016.88	3.94	18	1012.94	1012.80	27	0.52%	
PV3935	129+54.9 NB	63.6 ' LT	7.3	PV3934	4-FT	H-S	-	-	1017.62	1016.79	3.79	18	1013.00	1012.94	7	0.86%	
PV3936	128+91.5 NB	104.9 ' LT	46.2	PV3935	4-FT	H	-	-	1018.34	1017.51	3.24	18	1014.27	1013.00	46	2.76%	
PV3937	129+40.6 NB	109.9 ' LT	6.0	PV3936	-	-	-	-	-	-	-	18	1014.29	1014.27	6	0.33%	CONCRETE COLLARS FOR PIPE REQ'D
PV395	130+25.0 NB	33.5 ' LT	62.4	PV398	2X3-FT	H	-	-	1019.00	1018.17	3.68	12	1014.49	1013.25	62	2.00%	
PV396	130+10.4 NB	63.7 ' LT	33.9	PV395	MEDIAN 1 GRATE	MS	-	-	1017.85	1017.85	3.02	12	1014.83	1014.49	34	1.00%	
PV398	130+15.0 NB	28.0 ' RT	87.8	PV3932	4-FT	H	-	-	1017.84	1017.01	4.26	18	1012.75	1012.00	88	0.85%	
PV400	132+25.0 NB	47.8 ' LT	77.3	PV403	4-FT	H	-	-	1022.18	1021.35	4.10	12	1017.25	1016.50	77	0.97%	
PV4001	132+95.0 NB	70.5 ' LT	73.5	PV400	MEDIAN 1 GRATE	MS	-	-	1024.45	1024.45	4.45	12	1020.00	1017.25	74	3.72%	
PV403	132+25.1 NB	29.5 ' RT	205.8	PV398	2X3-FT	H	-	-	1021.32	1020.49	3.99	12	1016.50	1013.25	206	1.58%	
PV405	135+30.0 NB	43.5 ' LT	73.0	PV408	2X3-FT	H	-	-	1022.87	1022.04	4.04	12	1018.00	1016.50	73	2.05%	
PV4051	135+35.0 NB	71.3 ' LT	28.3	PV405	MEDIAN 1 GRATE	MS	-	-	1023.92	1023.92	3.92	12	1020.00	1018.00	28	7.14%	
PV408	135+30.0 NB	29.5 ' RT	194.0	PV413	2X3-FT	H	-	-	1021.52	1020.69	4.19	12	1016.50	1013.60	194	1.49%	
PV410	137+25.0 NB	57.7 ' LT	87.2	PV413	2X3-FT	H	-	-	1019.39	1018.56	4.09	12	1014.47	1013.60	87	1.00%	
PV413	137+25.0 NB	29.5 ' RT	129.1	PV418	4-FT	H	-	-	1017.75	1016.92	3.82	18	1013.10	1012.58	129	0.40%	
PV415	139+29.0 NB	38.1 ' LT	50.6	PV4151	4-FT	H-S	-	-	1017.65	1016.82	4.64	24	1012.18	1012.00	51	0.35%	
PV4151	139+35.0 NB	94.0 ' LT	-	-	-	-	-	-	-	-	-	24	1012.00	-	-	-	APRON ENDWALLS FOR RCCP 24-INCH REQ'D
PV4152	139+71.5 NB	121.6 ' LT	15.0	PV4154	-	-	-	-	-	-	-	18	1012.00	1011.85	15	1.00%	APRON ENDWALLS FOR RCCP 18-INCH REQ'D
PV4153	140+41.7 NB	112.6 ' LT	265.9	PV4245	-	-	4-FT	J	1019.28	1018.03	7.62	18	1010.41	1008.70	266	0.64%	
PV4154	139+82.0 NB	116.9 ' LT	27.5	PV4153	-	-	7-FT	-	1018.00	1016.75	4.90	18	1011.85	1011.41	28	1.57%	POND D OUTLET CONTROL STRUCTURE (SEE POND DETAILS); WEIR WALL PV4154 REQ'D
PV4154	139+75.3 NB	106.9 ' LT	-	-	-	-	-	J	-	-	-	-	-	-	-	-	SOUTHERN CASTING LOCATION INFORMATION ONLY
PV4154	139+77.8 NB	107.4 ' LT	-	-	-	-	-	J	-	-	-	-	-	-	-	-	NORTHERN CASTING LOCATION INFORMATION ONLY
PV416	139+05.0 NB	10.6 ' LT	30.5	PV420	2X3-FT	H-S	-	-	1018.10	1017.27	3.87	12	1013.40	1012.65	31	2.42%	
PV417	138+60.1 NB	1.0 ' LT	30.2	PV419	2X3-FT	H-S	-	-	1017.08	1016.25	3.51	12	1012.74	1012.53	30	0.70%	
PV418	138+50.0 NB	29.5 ' RT	18.0	PV419	4-FT	H-S	-	-	1016.52	1015.69	5.11	18	1012.58	1012.53	18	0.28%	2-FT SUMP REQ'D
PV419	138+68.0 NB	28.2 ' RT	57.3	PV423	4-FT	H-S	-	-	1016.56	1015.73	3.20	18	1012.53	1012.37	57	0.28%	
PV420	139+06.0 NB	41.1 ' LT	30.0	PV415	2X3-FT	H-S	-	-	1017.55	1016.72	4.07	12	1012.65	1012.18	30	1.57%	
PV4221	140+02.1 NB	12.3 ' LT	76.3	PV423	4-FT	H-S	-	-	1018.12	1017.29	4.24	18	1013.05	1012.37	76	0.89%	
PV423	139+30.0 NB	25.5 ' RT	63.6	PV415	4-FT	H-S	-	-	1016.97	1016.14	3.77	18	1012.37	1012.18	64	0.30%	
PV424	140+39.6 NB	7.2 ' RT	38.8	PV4221	4-FT	T	-	-	1017.64	1016.72	5.47	18	1013.25	1013.05	39	0.51%	2-FT SUMP REQ'D

NOTE:
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2. ALL MANHOLE AND INLET RECONSTRUCTS ARE ASSUMED TO HAVE 6" OF ADJ. RINGS PER "DETAIL FOR COMPUTING STRUCTURE ELEVATIONS".

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	LENGTH (FT)	SLOPE (%)	REMARKS
PV4241	140+45.1 NB	12.8 ' RT	7.8	PV424	4-FT	T	-	-	1017.68	1016.76	3.22	15	1013.54	1013.50	8	0.50%	
PV4242	140+73.0 NB	54.3 ' RT	31.3	PV4244	3-FT	A-S	-	-	1018.25	1017.33	3.38	12	1013.95	1013.80	31	0.48%	
PV4243	50+96.5 G	11.7 ' RT	10.6	PV4245	2X3-FT	H	-	-	1015.10	1014.27	3.97	12	1010.30	1010.20	11	0.91%	
PV4244	140+43.1 NB	63.5 ' RT	50.7	PV4241	4-FT	H	-	-	1017.69	1016.86	3.06	12	1013.80	1013.54	51	0.51%	
PV4245	50+96.6 G	1.1 ' RT	170.4	PV426	4-FT	H	-	-	1015.65	1014.82	6.12	18	1008.70	1001.50	170	4.24%	
PV4246	141+17.0 NB	54.2 ' RT	44.0	PV4242	2X3-FT	H	-	-	1018.23	1017.40	3.23	12	1014.17	1013.95	44	0.50%	
PV4247	141+54.1 NB	25.7 ' LT	24.7	PV4249	3-FT	A-S	-	-	1019.66	1018.74	3.64	12	1015.10	1014.88	25	0.88%	
PV4248	141+66.0 NB	37.9 ' LT	17.1	PV4247	2X3-FT	H	-	-	1019.86	1019.03	3.59	12	1015.44	1015.10	17	2.00%	
PV4249	141+54.1 NB	1.0 ' LT	108.8	PV4241	2X3-FT	H	-	-	1019.45	1018.62	3.74	12	1014.88	1013.79	109	1.00%	
PV425	143+05.4 NB	45.7 ' LT	75.9	PV428	2X3-FT	H	-	-	1018.56	1017.73	3.83	12	1013.90	1013.50	76	0.53%	
PV426	52+68.0 G	5.5 ' LT	94.7	PV4261	-	-	4-FT	J-S	1006.13	1004.88	3.38	18	1001.50	995.50	95	6.32%	
PV4261	53+63.8 G	3.5 ' LT	117.1	PV4262	-	-	4-FT	J-S	1000.94	999.69	4.19	18	995.50	990.50	117	4.27%	
PV4262	54+81.5 G	1.0 ' RT	-	-	-	-	-	-	-	-	-	18	990.50	-	-	-	STORM SEWER TAP REQ'D
PV427	51+00.3 G	46.9 ' LT	48.1	PV4245	MEDIAN 1 GRATE	MS	-	-	1014.55	1014.55	3.86	12	1010.69	1010.20	48	1.02%	
PV428	142+95.0 NB	29.5 ' RT	169.7	PV433	2X3-FT	H	-	-	1018.35	1017.52	4.02	12	1013.50	1009.50	170	2.35%	
PV430	144+70.0 NB	50.5 ' LT	80.0	PV433	2X3-FT	H	-	-	1014.50	1013.67	3.77	12	1009.90	1009.50	80	0.50%	
PV433	144+70.1 NB	29.5 ' RT	150.1	PV4372	4-FT	H	-	-	1014.22	1013.39	4.39	18	1009.00	1007.15	150	1.23%	
PV435	146+30.0 NB	50.5 ' LT	14.9	PV4351	2X3-FT	H-S	-	-	1012.68	1011.85	3.77	12	1008.08	1008.00	15	0.53%	
PV4351	146+45.0 NB	50.5 ' LT	35.5	PV439	-	H-S	7-FT	-	1012.71	1011.88	5.76	29X45	1006.12	1006.00	35	0.34%	
PV4361	146+45.1 NB	20.0 ' LT	30.5	PV4351	-	H-S	7-FT	-	1013.27	1012.44	6.19	29X45	1006.25	1006.12	30	0.43%	
PV437	147+00.1 NB	6.0 ' LT	55.2	PV4371	2X3-FT	H	-	-	1013.23	1012.40	4.40	12	1008.00	1007.65	55	0.64%	
PV4371	146+45.0 NB	1.0 ' LT	19.0	PV4361	-	H-S	7-FT	-	1012.96	1012.13	5.80	29X45	1006.33	1006.25	19	0.42%	
PV4372	146+20.0 NB	29.5 ' RT	25.1	PV4381	4-FT	H	-	-	1012.40	1011.57	6.92	24	1006.65	1006.46	25	0.76%	2-FT SUMP REQ'D
PV438	146+55.0 NB	29.5 ' RT	10.0	PV4381	4-FT	H-S	-	-	1012.43	1011.60	7.10	24	1006.50	1006.46	10	0.40%	2-FT SUMP REQ'D
PV4381	146+45.1 NB	29.5 ' RT	30.5	PV4371	-	H-S	7-FT	-	1012.40	1011.57	5.11	29X45	1006.46	1006.33	30	0.43%	
PV439	146+37.0 NB	93.2 ' LT	-	-	-	-	-	-	-	-	-	36	1006.00	-	-	-	APRON ENDWALLS FOR RCCP 36-INCH REQ'D
PV4391	145+73.2 NB	107.7 ' RT	-	-	-	-	-	-	-	-	-	36	996.90	-	-	-	APRON ENDWALLS FOR RCCP 36-INCH REQ'D
PV4392	145+75.0 NB	95.6 ' LT	14.5	PV4393	-	-	-	-	-	-	-	36	1006.00	1005.74	14	1.86%	APRON ENDWALLS FOR RCCP 36-INCH REQ'D
PV4393	145+75.0 NB	73.1 ' LT	65.1	PV4394	-	-	7-FT	-	1013.00	1011.75	6.01	36	1005.74	1004.77	65	1.49%	POND E OUTLET CONTROL STRUCTURE (SEE POND DETAILS); WEIR WALL PV4393 REQ'D
PV4393	145+75.0 NB	75.3 ' LT	-	-	-	-	-	J	-	-	-	-	-	-	-	-	WESTERN CASTING LOCATION INFORMATION ONLY
PV4393	145+75.0 NB	70.9 ' LT	-	-	-	-	-	J	-	-	-	-	-	-	-	-	EASTERN CASTING LOCATION INFORMATION ONLY
PV4394	145+75.0 NB	8.0 ' LT	107.7	PV4391	-	-	5-FT	J	1013.97	1012.72	14.74	36	997.98	996.90	108	1.00%	
PV440	148+40.0 NB	50.5 ' LT	80.0	PV443	2X3-FT	H	-	-	1016.25	1015.42	3.72	12	1011.70	1011.25	80	0.56%	
PV441	149+38.0 NB	82.0 ' LT	45.4	PV442	-	-	-	-	-	-	-	15	1019.10	1017.10	45	4.44%	CULVERT PIPE CLASS III-A 15-INCH REQ'D; APRON ENDWALLS FOR CULVERT PIPE 15-INCH
PV442	148+93.0 NB	82.0 ' LT	-	-	-	-	-	-	-	-	-	-	1017.10	-	-	-	APRON ENDWALLS FOR CULVERT PIPE 15-INCH
PV443	148+40.0 NB	29.5 ' RT	185.1	PV438	4-FT	H	-	-	1015.92	1015.09	4.34	18	1010.75	1007.00	185	2.03%	
PV445	150+50.0 NB	45.9 ' LT	75.4	PV448	2X3-FT	H	-	-	1025.44	1024.61	3.76	12	1020.85	1020.50	75	0.47%	
PV446	149+45.1 NB	19.6 ' LT	11.2	PV447	2X3-FT	H	-	-	1021.16	1020.33	3.73	12	1016.60	1016.50	11	0.91%	
PV447	149+45.0 NB	8.5 ' LT	38.0	PV449	2X3-FT	H	-	-	1020.98	1020.15	3.65	12	1016.50	1015.50	38	2.63%	
PV448	150+50.0 NB	29.5 ' RT	104.9	PV449	4-FT	H	-	-	1025.12	1024.29	6.29	18	1020.00	1015.00	105	4.76%	2-FT SUMP REQ'D
PV449	149+45.0 NB	29.5 ' RT	104.7	PV443	4-FT	H	-	-	1020.26	1019.43	4.43	18	1015.00	1010.75	105	4.05%	
PV450	152+45.0 NB	39.5 ' LT	69.0	PV453	2X3-FT	H	-	-	1031.91	1031.08	3.88	12	1027.20	1026.85	69	0.51%	
PV451	152+45.0 NB	67.0 ' LT	30.1	PV4512	MEDIAN 1 GRATE	MS-A	-	-	1036.45	1036.45	3.45	12	1033.00	1032.10	30	3.00%	
PV4511	152+03.0 NB	90.0 ' LT	25.1	PV4512	3-FT	C	-	-	1036.12	1034.87	2.52	12	1032.35	1032.10	25	1.00%	
PV4512	152+15.0 NB	68.0 ' LT	170.4	PV445	-	-	4-FT	J	1036.00	1034.75	2.65	12	1032.10	1020.85	170	6.62%	
PV453	152+45.0 NB	29.5 ' RT	192.9	PV448	4-FT	H	-	-	1031.50	1030.67	4.32	18	1026.35	1020.00	193	3.29%	
PV455	153+72.0 NB	39.5 ' LT	69.0	PV458	2X3-FT	H	-	-	1034.11	1033.28	3.28	12	1030.00	1029.00	69	1.45%	
PV458	153+72.0 NB	29.5 ' RT	127.0	PV453	2X3-FT	H	-	-	1033.68	1032.85	3.85	12	1029.00	1026.85	127	1.69%	
PV459	153+70.0 NB	48.0 ' RT	18.6	PV458	MEDIAN 1 GRATE	MS-A	-	-	1034.45	1034.45	4.69	12	1029.76	1029.00	19	4.00%	
PV460	156+50.0 NB	39.5 ' LT	69.0	PV463	2X3-FT	H	-	-	1033.62	1032.79	3.79	12	1029.00	1028.50	69	0.72%	

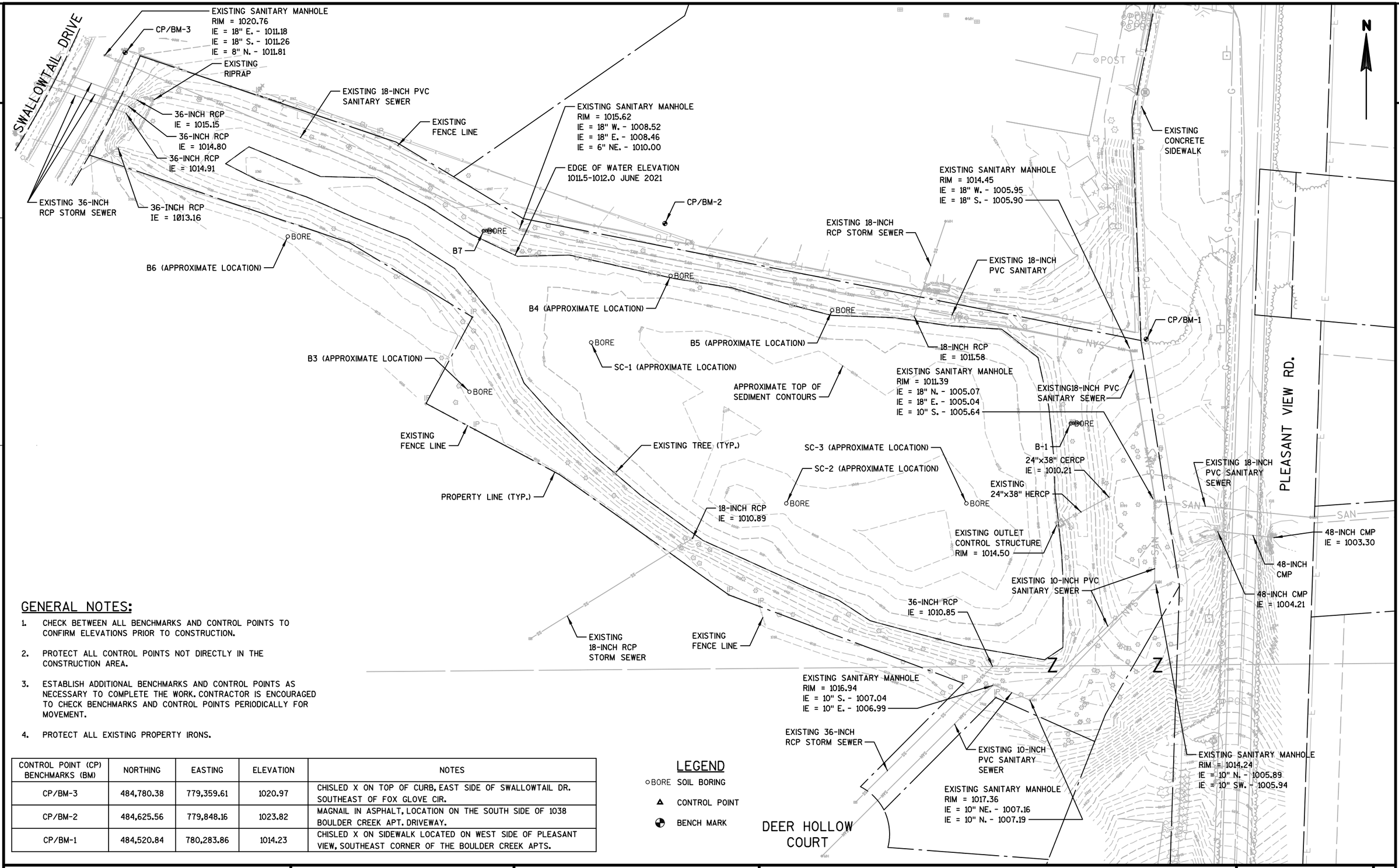
NOTE:
1. ALL CASTINGS TO BE CENTERED ON THE STRUCTURE UNLESS OTHERWISE NOTED (CIRCULAR CASTINGS MAY BE OFFSET). STEPS ARE NOT REQUIRED IN STORM SEWER STRUCTURES.
2. ALL MANHOLE AND INLET RECONSTRUCTS ARE ASSUMED TO HAVE 6" OF ADJ. RINGS PER "DETAIL FOR COMPUTING STRUCTURE ELEVATIONS".

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	LENGTH (FT)	SLOPE (%)	REMARKS
PV463	156+50.0 NB	29.5 ' RT	173.8	PV468	4-FT	H	-	-	1033.12	1032.29	3.79	12	1028.50	1025.00	174	2.01%	
PV464	156+21.3 NB	49.5 ' RT	35.9	PV463	MEDIAN 1 GRATE	MS-A	-	-	1034.40	1034.40	3.92	12	1030.48	1028.50	36	5.50%	
PV465	158+23.0 NB	48.3 ' LT	37.5	PV466	4-FT	H	-	-	1029.55	1028.72	3.22	12	1025.50	1025.30	38	0.53%	
PV4651	157+36.0 NB	66.0 ' LT	88.8	PV465	MEDIAN 1 GRATE	MS-A	-	-	1033.10	1033.10	5.43	12	1027.67	1025.50	89	2.44%	
PV466	158+18.0 NB	11.1 ' LT	10.1	PV467	2X3-FT	H	-	-	1030.10	1029.27	3.97	12	1025.30	1025.25	10	0.50%	
PV467	158+18.0 NB	1.0 ' LT	30.9	PV468	2X3-FT	H	-	-	1029.76	1028.93	3.68	12	1025.25	1025.00	31	0.81%	
PV468	158+23.0 NB	29.5 ' RT	221.2	PV473	4-FT	H	-	-	1029.06	1028.23	5.73	18	1024.50	1014.00	221	4.75%	2-FT SUMP REQ'D
PV470	160+49.0 NB	50.5 ' LT	35.7	PV471	2X3-FT	H	-	-	1020.08	1019.25	3.75	12	1015.50	1015.30	36	0.56%	
PV471	160+50.1 NB	14.8 ' LT	44.6	PV473	2X3-FT	H	-	-	1020.46	1019.63	4.33	12	1015.30	1014.50	45	1.78%	
PV473	160+45.0 NB	29.5 ' RT	199.5	PV478	4-FT	H	-	-	1019.66	1018.83	4.83	18	1014.00	1002.00	199	6.03%	
PV475	162+45.1 NB	50.5 ' LT	80.0	PV478	2X3-FT	H	-	-	1007.90	1007.07	3.97	12	1003.10	1002.50	80	0.75%	
PV478	162+45.0 NB	29.5 ' RT	200.0	PV483	4-FT	H	-	-	1007.20	1006.37	4.37	18	1002.00	988.00	200	7.00%	
PV480	164+45.0 NB	50.5 ' LT	80.0	PV483	2X3-FT	H	-	-	993.90	993.07	4.07	12	989.00	988.50	80	0.63%	
PV481	165+60.0 NB	20.0 ' LT	8.0	PV482	2X3-FT	H	-	-	986.20	985.37	4.37	12	981.00	980.70	8	3.75%	
PV482	165+60.0 NB	12.0 ' LT	41.5	PV484	2X3-FT	H	-	-	985.87	985.04	4.34	12	980.70	979.50	42	2.86%	
PV483	164+45.1 NB	29.5 ' RT	110.7	PV484	4-FT	H	-	-	993.20	992.37	6.87	24	987.50	978.50	111	8.11%	2-FT SUMP REQ'D
PV484	165+60.0 NB	29.5 ' RT	91.4	PV488	4-FT	H	-	-	985.15	984.32	5.82	24	978.50	972.25	91	6.87%	
PV485	166+55.0 NB	50.5 ' LT	80.0	PV488	-	H	5-FT	-	978.81	977.98	4.98	24	973.00	972.25	80	0.94%	
PV4851	165+90.0 NB	50.5 ' LT	69.1	PV485	-	H	5-FT	-	983.48	982.65	5.51	24	977.14	973.00	69	6.00%	
PV4852	165+90.0 NB	76.2 ' LT	25.6	PV4851	MEDIAN 2 GRATE	MS-A	-	-	983.32	983.32	3.90	24	979.42	978.64	26	3.00%	2 MS-A GRATES REQ'D
PV488	166+55.0 NB	29.5 ' RT	177.7	PV493	-	H	6-FT	-	978.50	977.67	7.92	30	971.75	959.00	178	7.16%	2-FT SUMP REQ'D
PV490	168+40.0 NB	50.5 ' LT	80.0	PV493	2X3-FT	H	-	-	966.47	965.64	3.89	15	961.75	960.25	80	1.88%	
PV491	167+20.0 NB	50.5 ' LT	127.6	PV490	2X3-FT	H	-	-	974.11	973.28	3.28	12	970.00	962.00	128	6.25%	
PV493	168+40.0 NB	29.5 ' RT	178.6	PV498	-	H	5-FT	-	966.25	965.42	6.42	30	959.00	951.36	179	4.27%	
PV495	170+20.0 NB	43.0 ' LT	46.5	PV4981	2X3-FT	H	-	-	959.31	958.48	3.98	15	954.50	953.13	46	2.98%	
PV4951	169+42.0 NB	45.9 ' LT	91.9	PV495	2X3-FT	H	-	-	961.98	961.15	3.18	12	957.97	954.75	92	3.50%	
PV4961	170+65.5 NB	11.9 ' LT	10.9	PV4963	4-FT	A-S	-	-	958.26	957.34	4.10	15	953.24	953.12	11	1.09%	
PV4962	170+53.0 NB	37.3 ' LT	29.5	PV4961	2X3-FT	H	-	-	958.97	958.14	4.60	15	953.54	953.24	29	1.03%	
PV4963	170+65.1 NB	1.0 ' LT	28.2	PV4981	4-FT	H	-	-	958.34	957.51	4.39	15	953.12	952.88	28	0.86%	
PV4967	170+48.0 NB	64.7 ' LT	28.3	PV4962	2X3-FT	H-S	-	-	958.54	957.71	3.64	12	954.07	953.79	28	1.00%	
PV4968	170+52.0 NB	69.6 ' LT	8.0	PV4967	2X3-FT	H-S	-	-	958.41	957.58	3.43	12	954.15	954.07	8	1.00%	
PV497	171+57.0 NB	56.7 ' RT	41.4	PV5013	3-FT	A-S	-	-	956.70	955.78	4.08	12	951.70	951.50	41	0.49%	
PV4971	171+33.4 NB	82.9 ' RT	35.2	PV497	2X3-FT	H	-	-	956.21	955.38	3.51	12	951.87	951.70	35	0.49%	
PV498	170+31.0 NB	25.5 ' RT	140.9	PV5013	-	H	6-FT	-	958.65	957.82	8.46	30	951.36	950.00	141	0.96%	2-FT SUMP REQ'D
PV4981	170+37.0 NB	1.0 ' LT	27.0	PV498	4-FT	H	-	-	958.95	958.12	5.49	18	952.63	952.36	27	1.00%	
PV499	50+35.9 Q	62.5 ' RT	28.6	PV4971	MEDIAN 1 GRATE	MS	-	-	957.00	957.00	3.00	12	954.00	951.87	29	7.34%	WEIR WALL PV499 REQ'D
PV499	50+35.9 Q	62.5 ' RT	34.8	PV4991	-	-	-	-	-	-	-	15	954.85	953.21	35	4.69%	OVERFLOW PIPE
PV4991	50+52.8 Q	38.5 ' RT	6.0	PV4992	-	-	4-FT	L	956.54	956.04	2.83	15	953.21	953.00	6	3.50%	2-INCHES ADJUSTING RINGS REQ'D
PV4992	50+57.1 Q	37.5 ' RT	-	-	-	-	-	-	-	-	-	15	953.00	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
PV500	172+51.9 NB	53.1 ' LT	42.4	PV501	2X3-FT	H	-	-	956.98	956.15	3.95	15	952.20	952.00	42	0.48%	
PV5001	171+66.0 NB	91.6 ' LT	61.1	PV500	2X3-FT	DW	-	-	958.17	957.34	3.06	12	954.28	952.45	61	3.00%	
PV501	172+23.0 NB	21.9 ' LT	47.5	PV503	-	A-S	4-FT	-	957.28	956.36	4.61	24	951.75	950.75	48	2.08%	
PV5012	171+87.7 NB	13.4 ' LT	35.4	PV5013	4-FT	T	-	-	956.82	955.90	4.22	12	951.68	951.50	35	0.51%	
PV5013	171+70.6 NB	17.6 ' RT	64.0	PV503	-	T	7-FT	-	956.40	955.48	5.48	30	950.00	949.50	64	0.78%	
PV503	172+25.0 NB	25.5 ' RT	231.8	PV509	-	H	6-FT	-	956.33	955.50	8.50	36	949.00	944.00	232	2.16%	2-FT SUMP REQ'D
PV505	174+55.9 NB	51.2 ' LT	30.7	PV506	-	H	9-FT	-	951.37	950.54	14.54	48	938.00	937.85	31	0.48%	2-FT SUMP REQ'D
PV5051	174+49.0 NB	76.6 ' LT	26.2	PV505	MEDIAN 2 GRATE	MS-A	-	-	951.27	951.27	3.90	24	947.37	946.50	26	3.35%	2 MS-A GRATES REQ'D
PV506	174+55.9 NB	20.5 ' LT	19.5	PV507	-	H	7-FT	-	951.95	951.12	13.27	48	937.85	937.75	19	0.53%	
PV5061	175+20.9 NB	20.9 ' LT	63.2	PV506	2X3-FT	H	-	-	950.59	949.76	5.36	12	944.40	943.85	63	0.87%	
PV5062	175+20.9 NB	15.8 ' LT	5.1	PV5061	2X3-FT	H	-	-	950.38	949.55	5.05	12	944.50	944.40	5	2.00%	

NOTE:
1. ALL CASTINGS TO BE CENTERED ON THE STRUCTURE UNLESS OTHERWISE NOTED (CIRCULAR CASTINGS MAY BE OFFSET). STEPS ARE NOT REQUIRED IN STORM SEWER STRUCTURES.
2. ALL MANHOLE AND INLET RECONSTRUCTS ARE ASSUMED TO HAVE 6" OF ADJ. RINGS PER "DETAIL FOR COMPUTING STRUCTURE ELEVATIONS".

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	LENGTH (FT)	SLOPE (%)	REMARKS
PV507	174+55.9 NB	1.0 ' LT	30.5	PV508	-	H	7-FT	-	951.64	950.81	13.06	48	937.75	937.60	31	0.48%	
PV508	174+55.9 NB	29.5 ' RT	14.2	PV509	-	H	7-FT	-	951.08	950.25	12.65	48	937.60	937.50	14	0.71%	
PV509	174+55.9 NB	43.7 ' RT	335.0	PV5097	-	-	7-FT	J	952.20	950.95	13.45	48	937.50	936.77	335	0.22%	
PV5091	175+45.0 NB	678.2 ' RT	25.9	PV5092	-	-	8-FT	J	942.00	940.75	8.68	48	932.07	932.00	26	0.27%	
PV5092	175+58.0 NB	701.2 ' RT	-	-	-	-	-	-	-	-	-	48	932.00	-	-	-	APRON ENDWALLS FOR RCCP 48-INCH REQ'D
PV5093	175+86.0 NB	869.8 ' RT	30.3	PV5095	-	-	-	-	-	-	-	48	932.00	931.83	30	0.57%	APRON ENDWALLS FOR RCCP 48-INCH REQ'D
PV5094	175+91.0 NB	992.3 ' RT	-	-	-	-	-	-	-	-	-	48	931.50	-	-	-	APRON ENDWALLS FOR RCCP 48-INCH REQ'D
PV5095	175+87.6 NB	907.9 ' RT	76.8	PV5094	-	-	7-FT	-	944.00	942.75	10.92	48	931.83	931.50	77	0.43%	POND F OUTLET CONTROL STRUCTURE (SEE POND DETAILS); WEIR WALL PV5095 REQ'D
PV5095	175+87.5 NB	905.6 ' RT	-	-	-	-	-	J	-	-	-	-	-	-	-	-	WESTERN CASTING LOCATION INFORMATION ONLY
PV5095	175+87.7 NB	910.1 ' RT	-	-	-	-	-	J	-	-	-	-	-	-	-	-	EASTERN CASTING LOCATION INFORMATION ONLY
PV5096	175+41.0 NB	628.8 ' RT	50.0	PV5091	-	-	7-FT	L	942.00	941.17	8.99	48	932.18	932.07	50	0.22%	TRENCHLESS STORM SEWER CONSTRUCTION, 48-INCH REQ'D
PV5097	175+14.0 NB	370.6 ' RT	261.9	PV5096	-	-	7-FT	J	943.80	942.55	5.78	48	936.77	935.18	262	0.61%	
PV515	177+12.9 NB	52.2 ' LT	242.5	PV505	-	H-S	6-FT	-	947.62	946.79	7.69	42	939.10	938.00	243	0.45%	
PV5151	177+00.0 NB	96.0 ' LT	39.7	PV515	-	-	-	-	-	-	-	18	940.60	940.10	40	1.25%	APRON ENDWALLS FOR RCCP 18-INCH REQ'D
PV516	178+02.0 NB	22.5 ' LT	36.2	PV520	-	H-S	4-FT	-	947.88	947.05	6.58	24	940.47	940.11	36	1.00%	
PV5161	177+05.9 NB	17.8 ' LT	35.1	PV515	2X3-FT	H	-	-	948.11	947.28	4.28	12	943.00	942.82	35	0.51%	
PV5162	177+12.0 NB	7.3 ' LT	12.1	PV5161	2X3-FT	H-S	-	-	947.95	947.12	3.88	12	943.24	943.00	12	2.00%	
PV517	177+91.0 NB	1.0 ' LT	24.2	PV516	-	H-S	4-FT	-	947.67	946.84	6.13	24	940.71	940.47	24	1.00%	
PV518	177+86.0 NB	29.5 ' RT	31.0	PV517	-	H-S	4-FT	-	947.12	946.29	5.27	24	941.02	940.71	31	1.00%	
PV519	177+76.0 NB	29.5 ' RT	10.0	PV518	2X3-FT	H-S	-	-	947.11	946.28	3.96	12	942.32	942.02	10	3.00%	
PV520	178+05.0 NB	58.6 ' LT	15.3	PV521	-	-	-	-	947.32	-	-	30	940.11	939.54	15	3.80%	TERRACE INLET TYPE II REQ'D
PV521	178+05.0 NB	73.8 ' LT	94.6	PV515	-	-	8-FT	J	948.47	947.22	9.68	42	939.54	939.10	95	0.46%	2-FT SUMP REQ'D
PV523	177+96.0 NB	29.5 ' RT	10.0	PV518	2X3-FT	H-S	-	-	947.11	946.28	3.96	12	942.32	942.02	10	3.00%	
PV525	178+75.9 NB	53.6 ' LT	73.7	PV521	-	H	5-FT	-	947.49	946.66	6.82	30	939.84	939.54	74	0.41%	
PV526	179+21.0 NB	54.0 ' LT	45.1	PV525	-	H	5-FT	-	947.78	946.95	6.95	24	940.00	939.84	45	0.36%	
PV5261	179+20.0 NB	107.0 ' LT	46.9	PV526	-	-	-	-	-	-	-	18	940.25	940.00	47	0.53%	APRON ENDWALLS FOR RCCP 18-INCH REQ'D
PV5264	178+69.6 NB	105.5 ' LT	34.2	PV5265	-	-	-	-	-	-	-	18	943.66	942.93	34	2.15%	CULVERT PIPE CLASS III-A 18-INCH REQ'D; APRON ENDWALLS FOR CULVERT PIPE 18-INCH
PV5265	179+03.7 NB	105.7 ' LT	-	-	-	-	-	-	-	-	-	-	942.93	-	-	-	APRON ENDWALLS FOR CULVERT PIPE 18-INCH
PV527	178+75.9 NB	10.5 ' LT	43.1	PV525	2X3-FT	H	-	-	947.71	946.88	4.68	12	942.20	942.00	43	0.47%	
PV528	178+75.9 NB	29.5 ' RT	40.0	PV527	2X3-FT	H	-	-	947.33	946.50	4.10	12	942.40	942.20	40	0.50%	
PV530	180+50.9 NB	55.2 ' LT	175.0	PV525	4-FT	H	-	-	949.22	948.39	6.64	18	941.75	940.00	175	1.00%	
PV533	180+50.9 NB	29.5 ' RT	84.7	PV530	2X3-FT	H	-	-	949.19	948.36	3.36	12	945.00	944.60	85	0.47%	
PV535	178+63.6 NB	45.4 ' RT	134.9	PV536	-	-	-	-	-	-	-	10	936.51	940.60	135	-3.03%	10-INCH PVC STORM SEWER REQ'D; STORM SEWER HAS NEGATIVE SLOPE
PV536	177+28.8 NB	44.8 ' RT	-	-	-	-	-	-	942.32	-	-	-	-	-	-	-	INLET PV536 (BOX CULVERT MODIFICATIONS) REQ'D
PV540	102+54.1 U	0.4 ' RT	5.9	PV542	-	-	-	-	-	-	-	12	946.57	946.54	6	0.50%	CONCRETE COLLARS FOR PIPE REQ'D
PV542	102+55.0 U	5.5 ' LT	9.3	PV543	2X3-FT	HM	-	-	950.82	949.99	3.45	15	946.54	946.49	9	0.56%	
PV543	102+56.0 U	14.7 ' LT	5.3	PV544	2X3-FT	HM	-	-	950.35	949.52	3.03	15	946.49	946.46	5	0.60%	
PV544	102+56.4 U	20.0 ' LT	6.1	PV548	-	-	4-FT	J-S	950.55	949.63	3.42	18	946.21	946.16	6	0.83%	2-INCHES ADJUSTING RINGS REQ'D
PV546	102+50.0 U	20.1 ' LT	6.4	PV544	-	-	-	-	-	-	-	12	946.34	946.30	6	0.67%	CONCRETE COLLARS FOR PIPE REQ'D
PV548	102+61.5 U	23.3 ' LT	-	-	-	-	-	-	-	-	-	18	946.16	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
PV550	103+56.0 U	85.6 ' LT	23.1	PV552	-	-	-	-	-	-	-	18	945.85	945.75	23	0.43%	CONCRETE COLLARS FOR PIPE REQ'D
PV552	103+74.0 U	100.0 ' LT	-	-	-	-	-	-	-	-	-	18	945.75	-	-	-	APRON ENDWALLS FOR RCCP 18-INCH REQ'D
PV555	181+56.0 NB	60.4 ' LT	105.2	PV530	4-FT	HM	-	-	950.55	949.72	7.44	12	942.28	941.75	105	0.50%	TRENCHLESS STORM SEWER CONSTRUCTION, 12-INCH REQ'D (APPROXIMATELY 30-FT ONLY, SEE PLANS FOR DETAILS)
PV556	181+58.0 NB	23.7 ' LT	36.7	PV555	2X3-FT	H	-	-	951.39	950.56	4.34	12	946.22	946.04	37	0.49%	
PV557	181+61.5 NB	33.0 ' RT	56.8	PV556	2X3-FT	HM	-	-	950.56	949.73	3.23	12	946.50	946.22	57	0.49%	

NOTE:
1. ALL CASTINGS TO BE CENTERED ON THE STRUCTURE UNLESS OTHERWISE NOTED (CIRCULAR CASTINGS MAY BE OFFSET). STEPS ARE NOT REQUIRED IN STORM SEWER STRUCTURES.
2. ALL MANHOLE AND INLET RECONSTRUCTS ARE ASSUMED TO HAVE 6" OF ADJ. RINGS PER "DETAIL FOR COMPUTING STRUCTURE ELEVATIONS".



GENERAL NOTES:

1. CHECK BETWEEN ALL BENCHMARKS AND CONTROL POINTS TO CONFIRM ELEVATIONS PRIOR TO CONSTRUCTION.
2. PROTECT ALL CONTROL POINTS NOT DIRECTLY IN THE CONSTRUCTION AREA.
3. ESTABLISH ADDITIONAL BENCHMARKS AND CONTROL POINTS AS NECESSARY TO COMPLETE THE WORK. CONTRACTOR IS ENCOURAGED TO CHECK BENCHMARKS AND CONTROL POINTS PERIODICALLY FOR MOVEMENT.
4. PROTECT ALL EXISTING PROPERTY IRONS.

CONTROL POINT (CP) BENCHMARKS (BM)	NORTHING	EASTING	ELEVATION	NOTES
CP/BM-3	484,780.38	779,359.61	1020.97	CHISLED X ON TOP OF CURB, EAST SIDE OF SWALLOWTAIL DR. SOUTHEAST OF FOX GLOVE CIR.
CP/BM-2	484,625.56	779,848.16	1023.82	MAGNAIL IN ASPHALT, LOCATION ON THE SOUTH SIDE OF 1038 BOULDER CREEK APT. DRIVEWAY.
CP/BM-1	484,520.84	780,283.86	1014.23	CHISLED X ON SIDEWALK LOCATED ON WEST SIDE OF PLEASANT VIEW, SOUTHEAST CORNER OF THE BOULDER CREEK APTS.

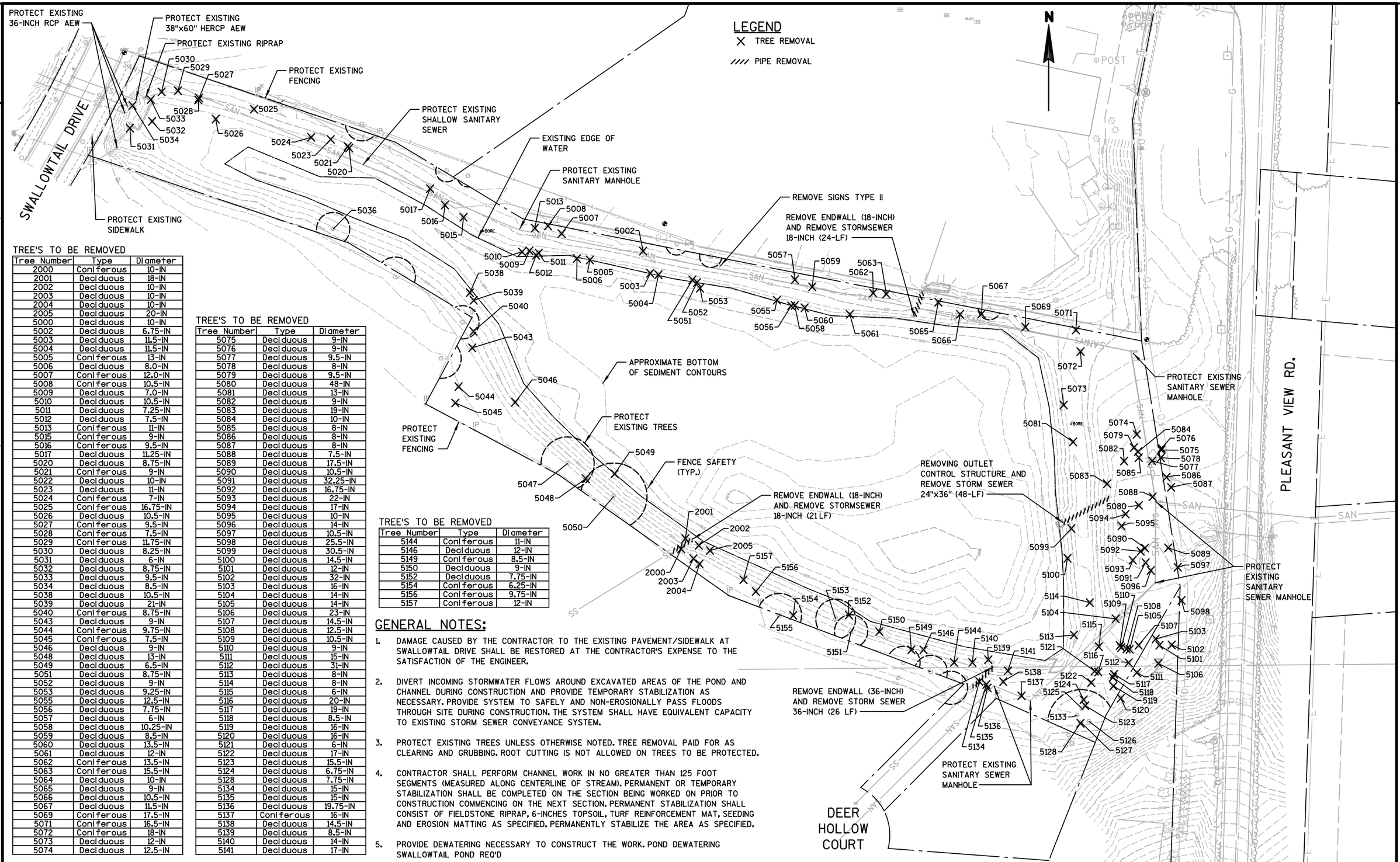
LEGEND

- BORE SOIL BORING
- ▲ CONTROL POINT
- BENCH MARK

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	SWALLOWTAIL POND EX. SURVEY & CONTROL	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\022532_ssp.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42



LEGEND

X TREE REMOVAL

//// PIPE REMOVAL

TREE'S TO BE REMOVED

Tree Number	Type	Diameter
2000	Coniferous	10-IN
2001	Deciduous	18-IN
2002	Deciduous	10-IN
2003	Deciduous	10-IN
2004	Deciduous	10-IN
2005	Deciduous	20-IN
5000	Deciduous	10-IN
5002	Deciduous	6.75-IN
5003	Deciduous	11.5-IN
5004	Deciduous	11.5-IN
5005	Coniferous	13-IN
5006	Deciduous	8.0-IN
5007	Coniferous	12.0-IN
5008	Coniferous	10.5-IN
5009	Deciduous	7.0-IN
5010	Deciduous	10.5-IN
5011	Deciduous	7.25-IN
5012	Deciduous	7.5-IN
5013	Coniferous	11-IN
5015	Coniferous	9-IN
5016	Coniferous	9.5-IN
5017	Deciduous	11.25-IN
5020	Deciduous	8.75-IN
5021	Coniferous	9-IN
5022	Deciduous	10-IN
5023	Deciduous	11-IN
5024	Coniferous	7-IN
5025	Coniferous	16.75-IN
5026	Deciduous	10.5-IN
5027	Coniferous	9.5-IN
5028	Coniferous	7.5-IN
5029	Coniferous	11.75-IN
5030	Deciduous	8.25-IN
5031	Deciduous	6-IN
5032	Deciduous	8.75-IN
5033	Deciduous	9.5-IN
5034	Deciduous	8.5-IN
5038	Deciduous	10.5-IN
5039	Deciduous	21-IN
5040	Coniferous	8.75-IN
5043	Deciduous	9-IN
5044	Coniferous	9.75-IN
5045	Coniferous	7.5-IN
5046	Deciduous	9-IN
5048	Deciduous	13-IN
5049	Deciduous	6.5-IN
5051	Deciduous	8.75-IN
5052	Deciduous	9-IN
5053	Deciduous	9.25-IN
5055	Deciduous	12.5-IN
5056	Deciduous	7.75-IN
5057	Deciduous	6-IN
5058	Deciduous	10.25-IN
5059	Deciduous	8.5-IN
5060	Deciduous	13.5-IN
5061	Deciduous	12-IN
5062	Coniferous	13.5-IN
5063	Coniferous	15.5-IN
5064	Deciduous	10-IN
5065	Deciduous	9-IN
5066	Deciduous	10.5-IN
5067	Deciduous	11.5-IN
5069	Coniferous	17.5-IN
5071	Coniferous	16.5-IN
5072	Coniferous	18-IN
5073	Deciduous	12-IN
5074	Deciduous	12.5-IN

TREE'S TO BE REMOVED

Tree Number	Type	Diameter
5075	Deciduous	9-IN
5076	Deciduous	9-IN
5077	Deciduous	9.5-IN
5078	Deciduous	8-IN
5079	Deciduous	9.5-IN
5080	Deciduous	48-IN
5081	Deciduous	13-IN
5082	Deciduous	9-IN
5083	Deciduous	19-IN
5084	Deciduous	10-IN
5085	Deciduous	8-IN
5086	Deciduous	8-IN
5087	Deciduous	8-IN
5088	Deciduous	7.5-IN
5089	Deciduous	17.5-IN
5090	Deciduous	10.5-IN
5091	Deciduous	32.25-IN
5092	Deciduous	16.75-IN
5093	Deciduous	22-IN
5094	Deciduous	17-IN
5095	Deciduous	10-IN
5096	Deciduous	14-IN
5097	Deciduous	10.5-IN
5098	Deciduous	25.5-IN
5099	Deciduous	30.5-IN
5100	Deciduous	14.5-IN
5101	Deciduous	12-IN
5102	Deciduous	32-IN
5103	Deciduous	16-IN
5104	Deciduous	14-IN
5105	Deciduous	14-IN
5106	Deciduous	23-IN
5107	Deciduous	14.5-IN
5108	Deciduous	12.5-IN
5109	Deciduous	10.5-IN
5110	Deciduous	9-IN
5111	Deciduous	15-IN
5112	Deciduous	31-IN
5113	Deciduous	8-IN
5114	Deciduous	8-IN
5115	Deciduous	6-IN
5116	Deciduous	20-IN
5117	Deciduous	19-IN
5118	Deciduous	8.5-IN
5119	Deciduous	16-IN
5120	Deciduous	16-IN
5121	Deciduous	6-IN
5122	Deciduous	17-IN
5123	Deciduous	15.5-IN
5124	Deciduous	6.75-IN
5128	Deciduous	7.75-IN
5134	Deciduous	15-IN
5135	Deciduous	15-IN
5136	Deciduous	19.75-IN
5137	Coniferous	16-IN
5138	Deciduous	14.5-IN
5139	Deciduous	8.5-IN
5140	Deciduous	14-IN
5141	Deciduous	17-IN

TREE'S TO BE REMOVED

Tree Number	Type	Diameter
5144	Coniferous	11-IN
5146	Deciduous	12-IN
5149	Coniferous	8.5-IN
5150	Deciduous	9-IN
5152	Deciduous	7.75-IN
5154	Coniferous	6.25-IN
5156	Coniferous	9.75-IN
5157	Coniferous	12-IN

GENERAL NOTES:

1. DAMAGE CAUSED BY THE CONTRACTOR TO THE EXISTING PAVEMENT/SIDEWALK AT SWALLOWTAIL DRIVE SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER.
2. DIVERT INCOMING STORMWATER FLOWS AROUND EXCAVATED AREAS OF THE POND AND CHANNEL DURING CONSTRUCTION AND PROVIDE TEMPORARY STABILIZATION AS NECESSARY. PROVIDE SYSTEM TO SAFELY AND NON-EROSIONALLY PASS FLOODS THROUGH SITE DURING CONSTRUCTION. THE SYSTEM SHALL HAVE EQUIVALENT CAPACITY TO EXISTING STORM SEWER CONVEYANCE SYSTEM.
3. PROTECT EXISTING TREES UNLESS OTHERWISE NOTED. TREE REMOVAL PAID FOR AS CLEARING AND GRUBBING. ROOT CUTTING IS NOT ALLOWED ON TREES TO BE PROTECTED.
4. CONTRACTOR SHALL PERFORM CHANNEL WORK IN NO GREATER THAN 125 FOOT SEGMENTS (MEASURED ALONG CENTERLINE OF STREAM). PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED ON THE SECTION BEING WORKED ON PRIOR TO CONSTRUCTION COMMENCING ON THE NEXT SECTION. PERMANENT STABILIZATION SHALL CONSIST OF FIELDSTONE RIPRAP, 6-INCHES TOPSOIL, TURF REINFORCEMENT MAT, SEEDING AND EROSION MATTING AS SPECIFIED. PERMANENTLY STABILIZE THE AREA AS SPECIFIED.
5. PROVIDE DEWATERING NECESSARY TO CONSTRUCT THE WORK. POND DEWATERING SWALLOWTAIL POND REQ'D

NO CONSTRUCTION ACCESS FROM SWALLOWTAIL DRIVE

PROTECT EXISTING 38"x60" HERCP AEW

PROTECT EXISTING SIDEWALK

PROTECT EXISTING RIPRAP

INLET PLUNGE POOL (SEE DETAIL)

SWALLOWTAIL DRIVE

PROTEXT EXISTING FENCING

GRADE CHANNEL PER DETAIL

PROTECT EXISTING 18-INCH PVC

PROPERTY LINE

PROTECT EXISTING 36" RCP (TYP. OF 3)

PROVIDE A 15' WIDE CURB CUT ON EXISTING CURB HEAD WITH TAPER OVER 18-INCHES. GRADE TERRACE AREA BETWEEN EXISTING SIDEWALK AND CUT CURB HEAD FOR SMOOTH TRANSITION TO PROPOSED SAS ACCESS ROAD. SAWING CURB HEAD REQ'D.

2" THICK X 4' WIDE X 8' LONG INSULATION SHALL BE PLACED OVER EXISTING SANITARY SEWER WHERE LESS THAN 5' OF COVER IN FINAL SITE GRADING OCCURS. SEE CONSTRUCTION DETAIL FOR CITY OF MADISON TYPICAL STYROFOAM INSTALLATION.

EXCAVATE AND DISPOSE OF ALL SEDIMENT AND PARENT MATERIAL BETWEEN TOP OF SEDIMENT CONTOURS AND PROPOSED CONTOURS INCLUDING EXCAVATION TO BOTTOM OF POND LINER CLAY OR PATHS. THIS IS COVERED UNDER BID ITEM EXCAVATION COMMON.

PROVIDE CONCRETE COLLAR AT THE CONNECTION WITH EXISTING 18" STORM SEWER

8 LF-18" SSPRC CONTRACTOR TO FIELD VERIFY SLOPE TO MATCH SLOPE OF UPSTREAM PIPE.

SAS ACCESS ROAD PERMANENT (SEE DETAIL)

SWALLOWTAIL POND MATCHLINE

MH-3 4' DIA.
RIM = 1014.5
I.E. - 18" N. = 1011.50
I.E. - 18" S. = 1008.38
CONTRACTOR TO FIELD VERIFY

15 LF - 12" SSPRC @ 0.5%

PLEASANT VIEW RD.

APPROXIMATE TOP OF SEDIMENT CONTOURS

35.7 LF-36" SSPRC @ 1.0%

AEW-3
I.E. = 1008.25
WITH PIPE GRATE

AEW-1
I.E. = 1007.5
WITH PIPE GRATE

19.4 LF-18" SSPRC @ 1.0%

TWO 48-INCH SSPRC
I.E. = 1008.92

CLAY ANTI-SEEPAGE COLLAR TWIN 48-INCH SSPRC

CLAY ANTI-SEEPAGE COLLAR

MAINTENANCE ACCESS

PROTECT EXISTING FENCING

NORMAL WATER SURFACE ELEVATION = 1009

AEW-5
I.E. = 1010.0
WITH PIPE GRATE

AEW-2
I.E. = 1007.00
WITH PIPE GRATE

AEW-4
I.E. = 1009.0
WITH PIPE GRATE

TREE PROTECTION SEE DETAIL

33.5 LF-48" SSPRC @ 1.0%

PV 3596

PV 3595

12' WIDE MAINTENANCE ACCESS

MH-1 5' DIA.
RIM ELEV. = 1016.5
INV.-18" S. = 1011.15
INV.-36" N. = 1007.86

POND LINER CLAY SHALL EXTEND UP TO ELEVATION 1014.5 AROUND THE NORTH, SOUTH AND WEST SIDE. IT SHALL EXTEND UP TO ELEVATION 1015.5 ON THE EAST SIDE.

MH-2 7' DIA.
RIM ELEV. = 1016.0
INV.-36" S. = 1010.95
INV.-48" N. = 1007.34

19 LF - 15" SSPRC @ 0.4%

PROTECT EXISTING 10" PVC SANITARY SEWER

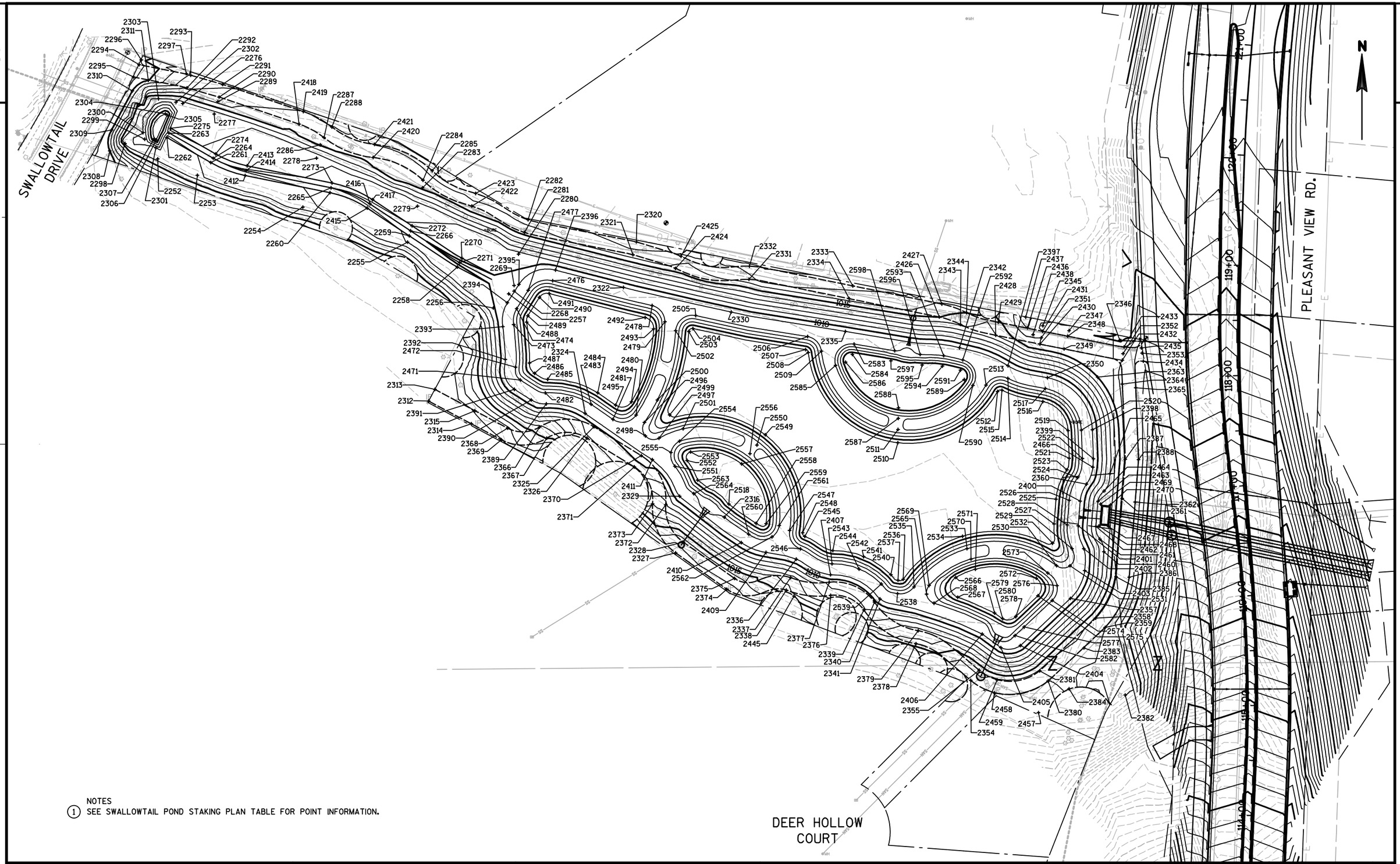
SWALLOWTAIL POND OUTLET CONTROL STRUCTURE

DEER HOLLOW COURT

GENERAL NOTES:

1. DAMAGE CAUSED BY THE CONTRACTOR TO THE EXISTING PAVEMENT/SIDEWALK AT SWALLOWTAIL DRIVE SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER.
2. DIVERT INCOMING STORMWATER FLOWS AROUND EXCAVATED AREAS OF THE POND AND CHANNEL DURING CONSTRUCTION AND PROVIDE TEMPORARY STABILIZATION AS NECESSARY. PROVIDE SYSTEM TO SAFELY AND NON-EROSIONALLY PASS FLOODS THROUGH SITE DURING CONSTRUCTION. THE SYSTEM SHALL HAVE EQUIVALENT CAPACITY TO EXISTING STORM SEWER CONVEYANCE SYSTEM.
3. PROTECT EXISTING TREES UNLESS OTHERWISE NOTED. TREE REMOVAL PAID FOR AS CLEARING AND GRUBBING. ROOT CUTTING IS NOT ALLOWED ON TREES TO BE PROTECTED.
4. CONTRACTOR SHALL PERFORM CHANNEL WORK IN NO GREATER THAN 125 FOOT SEGMENTS (MEASURED ALONG CENTERLINE OF STREAM). PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED ON THE SECTION BEING WORKED ON PRIOR TO CONSTRUCTION COMMENCING ON THE NEXT SECTION. PERMANENT STABILIZATION SHALL CONSIST OF FIELDSTONE RIPRAP, 6-INCHES TOPSOIL, TURF REINFORCEMENT MAT, SEEDING AND EROSION MATTING AS SPECIFIED. PERMANENTLY STABILIZE THE AREA AS SPECIFIED.
5. PROVIDE DEWATERING NECESSARY TO CONSTRUCT THE WORK. POND DEWATERING SWALLOWTAIL POND REQ'D

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	SWALLOWTAIL POND GRADING PLAN	SHEET 181 E



NOTES
(1) SEE SWALLOWTAIL POND STAKING PLAN TABLE FOR POINT INFORMATION.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	SWALLOWTAIL POND STAKING PLAN	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\022534a_ssp.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

POINT NUMBER	NORTHING	EASTING	ELEV.
2252	484,683.72	779,386.64	1,013.61
2253	484,668.85	779,422.65	1,013.11
2254	484,639.95	779,518.40	1,012.25
2255	484,608.17	779,613.36	1,010.99
2256	484,548.42	779,691.26	1,010.09
2257	484,561.26	779,705.23	1,009.76
2258	484,585.65	779,658.61	1,010.39
2259	484,613.90	779,614.95	1,010.91
2260	484,653.10	779,543.05	1,011.75
2261	484,680.43	779,434.81	1,012.86
2262	484,703.26	779,394.98	1,013.32
2263	484,707.27	779,396.75	1,012.58
2264	484,684.33	779,437.04	1,012.11
2265	484,657.51	779,543.94	1,011.00
2266	484,618.45	779,616.22	1,010.17
2268	484,563.77	779,710.12	1,009.01
2269	484,568.88	779,710.07	1,009.76
2270	484,593.62	779,662.79	1,010.39
2271	484,589.63	779,660.70	1,009.64
2272	484,623.01	779,617.49	1,010.94
2273	484,661.92	779,544.83	1,011.75
2274	484,688.23	779,439.28	1,012.86
2275	484,711.54	779,398.62	1,013.32
2276	484,733.98	779,409.36	1,013.58
2277	484,724.48	779,437.94	1,013.41
2278	484,684.46	779,530.79	1,012.15
2279	484,640.87	779,622.46	1,011.23
2280	484,597.34	779,714.15	1,010.50
2281	484,616.94	779,719.61	1,015.51
2282	484,628.51	779,722.83	1,016.32
2283	484,657.49	779,627.09	1,015.32
2284	484,664.34	779,627.39	1,015.48
2285	484,672.95	779,635.75	1,016.28
2286	484,696.57	779,534.17	1,015.13
2287	484,703.08	779,537.56	1,015.14
2288	484,712.72	779,544.71	1,015.94
2289	484,735.65	779,441.24	1,016.33
2290	484,739.77	779,442.39	1,016.42
2291	484,751.33	779,445.61	1,017.22
2292	484,748.21	779,413.25	1,017.10
2293	484,759.73	779,416.59	1,017.90
2294	484,769.27	779,369.85	1,021.35
2295	484,758.01	779,364.94	1,021.21
2296	484,773.57	779,371.83	1,020.93
2297	484,761.18	779,412.54	1,018.04
2298	484,697.70	779,356.99	1,013.16
2299	484,701.58	779,374.85	1,012.77
2300	484,707.61	779,373.38	1,013.00
2301	484,693.76	779,385.04	1,013.00
2302	484,735.18	779,403.21	1,013.87
2303	484,738.29	779,387.29	1,014.00
2304	484,724.68	779,393.62	1,009.00
2305	484,723.69	779,395.29	1,009.00
2306	484,700.93	779,385.30	1,009.00
2307	484,702.14	779,383.49	1,009.00
2308	484,690.95	779,343.17	1,020.00
2309	484,709.95	779,344.76	1,020.00
2310	484,745.41	779,363.70	1,020.00
2311	484,755.01	779,378.09	1,020.00
2312	484,464.00	779,632.52	1,018.95
2313	484,474.56	779,638.23	1,018.72
2314	484,443.36	779,671.28	1,018.42
2315	484,455.20	779,674.58	1,017.93
2316	484,358.53	779,900.87	1,008.00
2320	484,608.40	779,821.03	1,017.47
2321	484,596.82	779,817.91	1,016.66
2322	484,567.11	779,809.41	1,009.00
2324	484,452.65	779,774.58	1,009.00
2325	484,440.65	779,782.62	1,010.34
2326	484,430.41	779,776.36	1,011.14
2327	484,326.24	779,856.71	1,017.46
2328	484,336.02	779,863.65	1,016.65
2329	484,377.59	779,860.35	1,009.00
2330	484,544.78	779,907.12	1,009.00
2331	484,574.42	779,923.28	1,016.68
2332	484,586.41	779,923.72	1,017.48
2333	484,568.47	780,017.52	1,017.27
2334	484,556.88	780,014.29	1,016.48

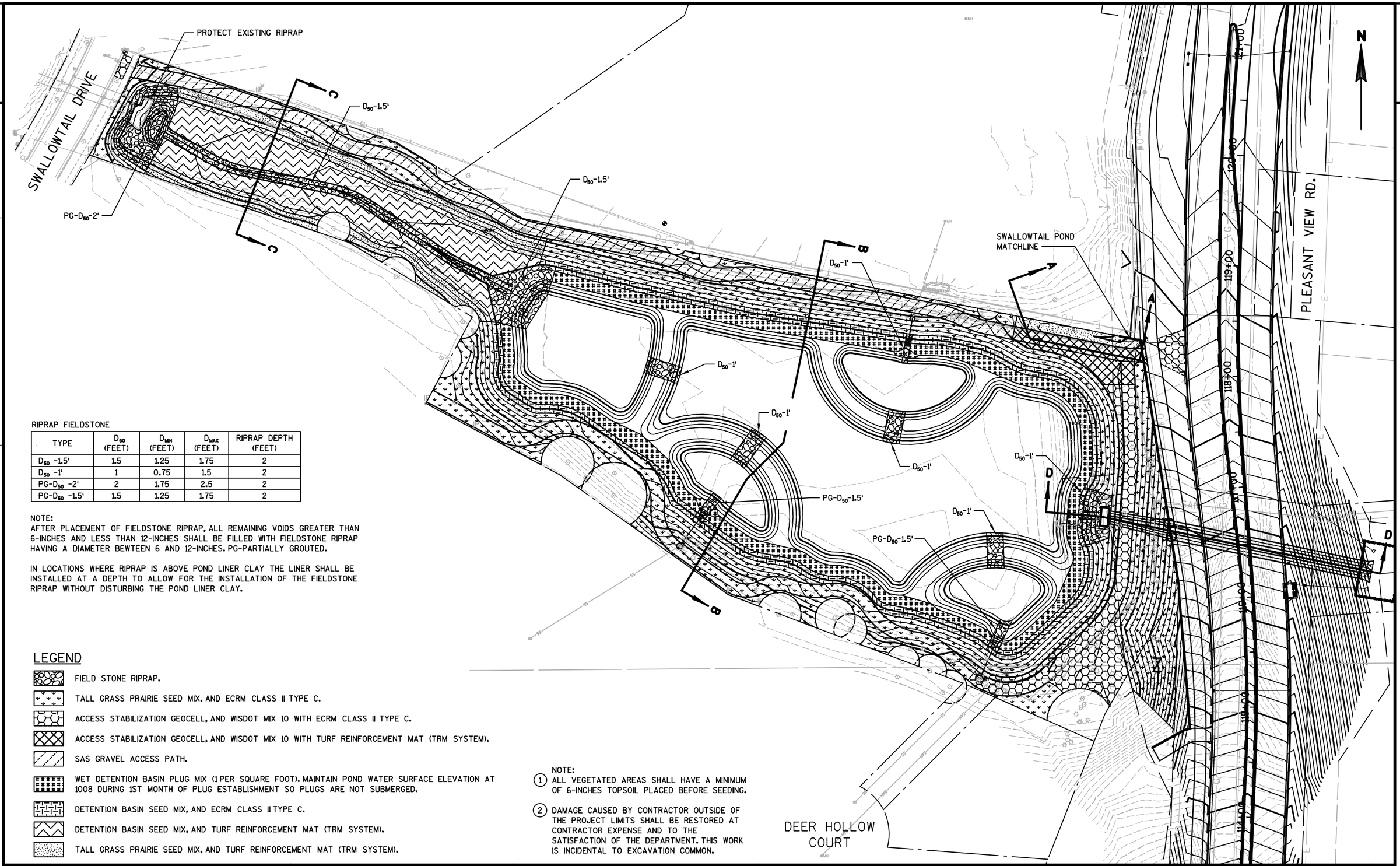
POINT NUMBER	NORTHING	EASTING	ELEV.
2335	484,527.17	780,010.78	1,009.00
2336	484,320.48	779,966.21	1,009.00
2337	484,303.73	779,961.06	1,013.57
2338	484,292.36	779,957.23	1,014.34
2339	484,274.40	780,027.52	1,011.09
2340	484,281.51	780,037.18	1,010.29
2341	484,284.36	780,042.22	1,009.02
2342	484,512.33	780,114.35	1,009.00
2343	484,533.53	780,115.23	1,014.21
2344	484,544.20	780,120.73	1,015.00
2345	484,532.31	780,189.99	1,015.50
2346	484,519.13	780,259.82	1,014.75
2347	484,527.82	780,213.81	1,015.24
2348	484,522.84	780,212.56	1,016.00
2349	484,511.27	780,209.24	1,016.00
2350	484,485.17	780,194.11	1,009.00
2353	484,507.48	780,280.11	1,017.43
2354	484,210.51	780,124.54	1,016.54
2355	484,219.68	780,132.27	1,015.74
2357	484,284.88	780,215.03	1,009.00
2358	484,266.93	780,238.01	1,016.20
2359	484,258.49	780,246.55	1,017.00
2360	484,388.55	780,229.61	1,009.00
2361	484,375.60	780,262.03	1,016.20
2362	484,372.32	780,273.80	1,017.00
2363	484,485.68	780,239.71	1,015.00
2364	484,479.37	780,262.14	1,016.20
2365	484,476.03	780,274.31	1,017.00
2366	484,440.41	779,733.21	1,014.17
2367	484,430.28	779,739.64	1,014.95
2368	484,439.41	779,704.21	1,017.28
2369	484,428.82	779,698.57	1,018.04
2370	484,414.44	779,825.47	1,009.58
2371	484,404.21	779,819.22	1,010.38
2372	484,369.83	779,847.75	1,012.21
2373	484,370.73	779,835.79	1,013.00
2374	484,293.23	779,903.21	1,017.36
2375	484,303.01	779,910.15	1,016.57
2376	484,287.64	779,997.40	1,011.51
2377	484,299.57	779,996.12	1,010.73
2378	484,243.69	780,074.89	1,014.31
2379	484,255.52	780,076.91	1,013.48
2380	484,209.83	780,194.83	1,017.00
2381	484,219.06	780,187.12	1,016.20
2382	484,197.17	780,264.75	1,018.00
2383	484,239.84	780,227.27	1,016.60
2384	484,202.85	780,213.81	1,016.87
2385	484,304.59	780,256.41	1,016.20
2386	484,304.12	780,268.41	1,017.00
2387	484,411.08	780,264.83	1,016.20
2388	484,410.84	780,276.85	1,017.00
2389	484,461.44	779,739.39	1,009.00
2390	484,464.92	779,725.69	1,009.00
2391	484,474.65	779,710.37	1,009.00
2392	484,501.67	779,702.15	1,009.00
2393	484,531.51	779,699.90	1,009.00
2394	484,553.15	779,703.97	1,009.00
2395	484,569.85	779,714.47	1,009.00
2396	484,582.83	779,747.69	1,009.00
2397	484,496.00	780,158.31	1,009.00
2398	484,437.94	780,234.92	1,009.00
2399	484,411.61	780,235.94	1,009.00
2400	484,373.16	780,223.88	1,009.00
2401	484,350.73	780,222.11	1,009.00
2402	484,330.03	780,227.18	1,009.00
2403	484,310.05	780,228.02	1,009.00
2404	484,242.08	780,169.60	1,009.00
2405	484,240.19	780,151.86	1,009.00
2406	484,252.52	780,135.00	1,009.00
2407	484,306.30	779,997.32	1,009.00
2409	484,326.62	779,938.71	1,009.00
2410	484,335.52	779,916.26	1,009.00
2411	484,410.76	779,835.56	1,009.00
2412	484,668.66	779,466.07	1,012.54
2413	484,677.48	779,467.85	1,012.54
2414	484,673.07	779,466.96	1,011.79
2415	484,639.13	779,576.83	1,011.37
2416	484,642.93	779,579.24	1,010.62

POINT NUMBER	NORTHING	EASTING	ELEV.
2417	484,646.73	779,581.66	1,011.37
2418	484,715.38	779,514.97	1,015.17
2419	484,726.75	779,518.81	1,015.97
2420	484,684.98	779,582.14	1,015.20
2421	484,696.92	779,583.38	1,016.00
2422	484,640.91	779,671.72	1,015.67
2423	484,652.39	779,675.20	1,016.47
2424	484,584.40	779,856.64	1,015.72
2425	484,595.33	779,861.60	1,016.52
2426	484,540.26	780,095.98	1,015.03
2427	484,552.02	780,098.36	1,015.83
2428	484,523.73	780,147.23	1,013.98
2429	484,535.49	780,149.62	1,014.78
2430	484,515.60	780,187.38	1,016.01
2431	484,527.28	780,189.81	1,016.01
2432	484,501.08	780,262.14	1,016.00
2433	484,513.02	780,263.72	1,016.00
2434	484,500.15	780,281.17	1,017.71
2435	484,512.20	780,279.42	1,017.29
2436	484,530.38	780,176.05	1,017.00
2437	484,540.12	780,174.49	1,017.29
2438	484,524.31	780,181.16	1,016.20
2457	484,181.18	780,186.06	1,017.88
2458	484,199.00	780,146.07	1,017.00
2459	484,210.88	780,148.52	1,016.20
2460	484,327.17	780,245.38	1,013.00
2461	484,338.71	780,241.76	1,013.00
2462	484,350.26	780,238.15	1,013.00
2463	484,373.02	780,240.05	1,013.00
2464	484,382.28	780,245.48	1,013.00
2465	484,398.02	780,250.92	1,013.00
2466	484,403.93	780,235.33	1,009.00
2467	484,349.88	780,249.81	1,013.67
2468	484,350.49	780,240.86	1,013.67
2469	484,370.44	780,242.39	1,013.67
2470	484,369.75	780,251.36	1,013.67
2471	484,483.09	779,715.73	1,008.00
2472	484,494.67	779,711.46	1,008.00
2473	484,533.40	779,709.72	1,008.00
2474	484,547.82	779,712.43	1,008.00
2476	484,573.18	779,745.08	1,008.00
2477	484,564.52	779,722.93	1,008.00
2478	484,550.65	779,835.38	1,008.00
2479	484,535.90	779,847.02	1,008.00
2480	484,451.25	779,820.85	1,008.00
2481	484,447.32	779,799.78	1,008.00
2482	484,471.39	779,738.42	1,008.00
2483	484,461.06	779,780.01	1,008.00
2484	484,471.49	779,786.02	1,004.00
2485	484,483.64	779,740.56	1,004.00
2486	484,489.11	779,728.63	1,004.00
2487	484,498.46	779,724.03	1,004.00
2488	484,535.66	779,721.50	1,004.00
2489	484,541.43	779,722.59	1,004.00
2490	484,558.13	779,733.09	1,004.00
2491	484,561.59	779,741.95	1,004.00
2492	484,539.79	779,829.07	1,004.00
2493	484,529.50	779,836.81	1,004.00
2494	484,463.27	779,816.63	1,004.00
2495	484,460.25	779,802.25	1,004.00
2496	484,444.56	779,828.40	1,008.00
2497	484,430.25	779,841.64	1,008.00
2498	484,432.37	779,829.23	1,008.00
2499	484,451.35	779,851.30	1,004.00
2500	484,464.89	779,840.14	1,008.00
2501	484,438.78	779,863.44	1,008.00
2502	484,527.78	779,856.75	1,008.00
2503	484,527.09	779,868.73	1,004.00
2504	484,529.85	779,872.36	1,004.00
2505	484,541.57	779,874.92	1,008.00
2506	484,522.53	779,976.48	1,008.00
2507	484,510.68	779,974.59	1,004.00
2508	484,508.03	779,977.10	1,004.00
2509	484,509.27	779,989.03	1,008.00
2510	484,426.12	780,058.39	1,004.00
2511	484,438.18	780,058.60	1,007.98
2512	484,472.63	780,148.89	1,004.00
2513	484,478.49	780,138.42	1,008.00

POINT NUMBER	NORTHING	EASTING	ELEV.
2514	484,484.54	780,158.30	1,008.00
2515	484,473.84	780,152.87	1,004.00
2516	484,463.54	780,190.08	1,004.00
2517	484,475.33	780,192.28	1,008.00
2518	484,370.47	779,905.03	1,004.00
2519	484,437.09	780,212.94	1,004.00
2520	484,437.56	780,224.93	1,008.00
2521	484,412.06	780,213.91	1,004.00
2522	484,411.81	780,225.92	1,008.00
2523	484,401.57	780,211.87	1,004.00
2524	484,394.47	780,221.55	1,008.00
2525	484,374.89	780,201.95	1,004.00
2526	484,373.94	780,213.91	1,008.00
2527	484,352.46	780,200.18	1,004.00
2528	484,351.52	780,212.14	1,008.00
2529	484,329.96	780,216.51	1,008.00
2530	484,314.56	780,202.43	1,008.00
2531	484,314.56	780,214.65	1,008.00
2532	484,334.96	780,198.87	1,004.01
2533	484,329.98	780,121.11	1,008.00
2534	484,341.24	780,117.09	1,004.00
2535	484,295.35	780,073.08	1,008.00
2536	484,302.23	780,063.25	1,004.00
2537	484,301.31	780,058.51	1,004.00
2538	484,289.19	780,058.12	1,008.00
2539	484,298.01	780,043.45	1,008.00
2540	484,306.41	780,052.08	1,004.00
2541	484,322.73	780,027.35	1,004.00
2542	484,311.45	780,023.20	1,008.00
2543	484,316.24	779,998.70	1,008.00
2544	484,328.22	779,999.40	1,004.00
2545	484,341.10	779,973.92	1,004.00
2546	484,329.77	779,969.97	1,008.00
2547	484,346.60	779,960.15	1,008.00
2548	484,344.47	779,971.96	1,004.00
2549	484,433.37	779,938.05	1,004.00
2550	484,424.05	779,930.48	1,007.98
2551	484,404.85	779,856.07	1,008.00
2552	484,410.07	779,867.12	1,004.00
2553	484,417.78	779,870.31	1,004.00
2554	484,427.58	779,860.29	1,008.00
2555	484,417.27	779,852.50	1,008.00
2556	484,416.28	779,924.18	1,008.00
2557	484,406.96	779,916.62	1,004.00
2558	484,352.97	779,929.73	1,004.00
2559	484,352.65	779,938.85	1,004.00
2560	484,343.01	779,923.04	1,008.00
2561	484,350.95	779,950.73	1,008.00
2562	484,340.71	779,944.23	1,008.00
2563	484,392.29	779,876.75	1,004.00
2564	484,379.94	779,873.15	1,008.00
2565	484,288.76	780,084.49	1,008.00
2566	484,303.88	780,110.95	1,004.00
2567	484,285.87	780,112.71	1,004.00
2568	484,280.48	780,091.27	1,008.00
2569	484,296.62	780,086.77	1,008.00
2570	484,320.60	780,124.81	1,008.00
2571	484,311.31	780,128.75	1,004.00
2572	484,303.08	780,184.04	1,004.00
2573	484,307.88	780,194.53	1,008.00
2574	484,283.02	780,198.50	1,008.00
2575	484,287.34	780,185.59	1,004.00
2576	484,296.42	780,202.91	1,008.00
2577	484,258.94	780,173.02	1,008.00
2578	484,268.27	780,165.42	1,004.00
2579	484,271.59	780,146.20	1,004.00
2580	484,266.47	780,153.54	1,004.00
2582	484,251.14	780,164.76	1,008.00
2583	484,515.72	780,018.64	1,008.00
2584	484,506.35	780,017.08	1,004.25
2585	484,496.39	780,001.88	1,008.00
2586	484,499.26	780,010.93	1,004.25
2587	484,448.24	780,058.78	1,008.01
2588	484,457.83	780,058.95	1,004.29
2589	484,483.54	780,118.64	1,004.25
2590	484,478.19	780,126.49	1,008.00
2591	484,492.00	780,115.28	1,004.25
2592	484,501.27	780,117.35	1,008.00

POINT NUMBER	NORTHING	EASTING	ELEV.
2593	484,505.13	780,099.95	1,008.01
2594	484,495.70	780,098.84	1,004.28
2595	484,496.67	780,080.45	1,004.25
2596	484,506.28	780,078.68	1,008.00
2597	484,500.52	780,052.12	1,004.25
2598	484,509.59	780,055.51	1,008.00

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	SWALLOWTAIL POND STAKING PLAN TABLE	SHEET 183	E



RIPRAP FIELDSTONE

TYPE	D_{50} (FEET)	D_{MIN} (FEET)	D_{MAX} (FEET)	RIPRAP DEPTH (FEET)
D_{50} -1.5'	1.5	1.25	1.75	2
D_{50} -1'	1	0.75	1.5	2
PG-D_{50} -2'	2	1.75	2.5	2
PG-D_{50} -1.5'	1.5	1.25	1.75	2

NOTE:
AFTER PLACEMENT OF FIELDSTONE RIPRAP, ALL REMAINING VOIDS GREATER THAN 6-INCHES AND LESS THAN 12-INCHES SHALL BE FILLED WITH FIELDSTONE RIPRAP HAVING A DIAMETER BEWTEEN 6 AND 12-INCHES. PG-PARTIALLY GROUTED.

IN LOCATIONS WHERE RIPRAP IS ABOVE POND LINER CLAY THE LINER SHALL BE INSTALLED AT A DEPTH TO ALLOW FOR THE INSTALLATION OF THE FIELDSTONE RIPRAP WITHOUT DISTURBING THE POND LINER CLAY.

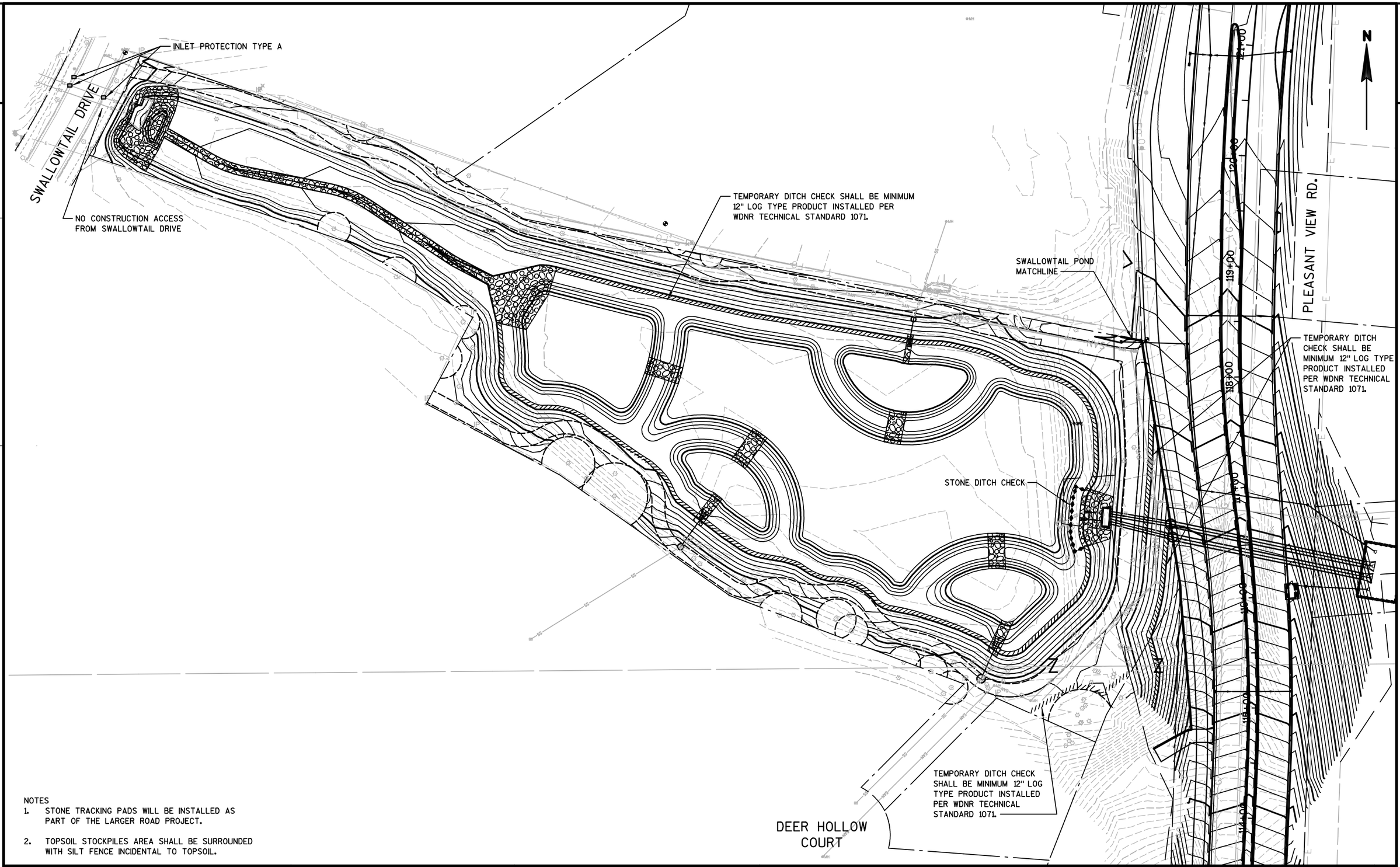
LEGEND

- FIELD STONE RIPRAP.
- TALL GRASS PRAIRIE SEED MIX, AND ECRM CLASS II TYPE C.
- ACCESS STABILIZATION GEOCELL, AND WISDOT MIX 10 WITH ECRM CLASS II TYPE C.
- ACCESS STABILIZATION GEOCELL, AND WISDOT MIX 10 WITH TURF REINFORCEMENT MAT (TRM SYSTEM).
- SAS GRAVEL ACCESS PATH.
- WET DETENTION BASIN PLUG MIX (1 PER SQUARE FOOT). MAINTAIN POND WATER SURFACE ELEVATION AT 1008 DURING 1ST MONTH OF PLUG ESTABLISHMENT SO PLUGS ARE NOT SUBMERGED.
- DETENTION BASIN SEED MIX, AND ECRM CLASS II TYPE C.
- DETENTION BASIN SEED MIX, AND TURF REINFORCEMENT MAT (TRM SYSTEM).
- TALL GRASS PRAIRIE SEED MIX, AND TURF REINFORCEMENT MAT (TRM SYSTEM).

NOTE:
(1) ALL VEGETATED AREAS SHALL HAVE A MINIMUM OF 6-INCHES TOPSOIL PLACED BEFORE SEEDING.

(2) DAMAGE CAUSED BY CONTRACTOR OUTSIDE OF THE PROJECT LIMITS SHALL BE RESTORED AT CONTRACTOR EXPENSE AND TO THE SATISFACTION OF THE DEPARTMENT. THIS WORK IS INCIDENTAL TO EXCAVATION COMMON.

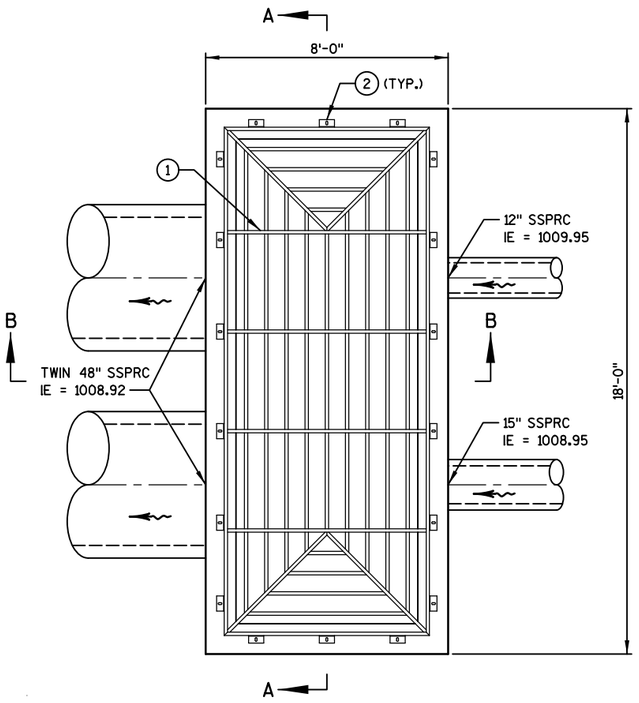
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	SWALLOWTAIL POND RESTORATION PLAN	SHEET 184	E



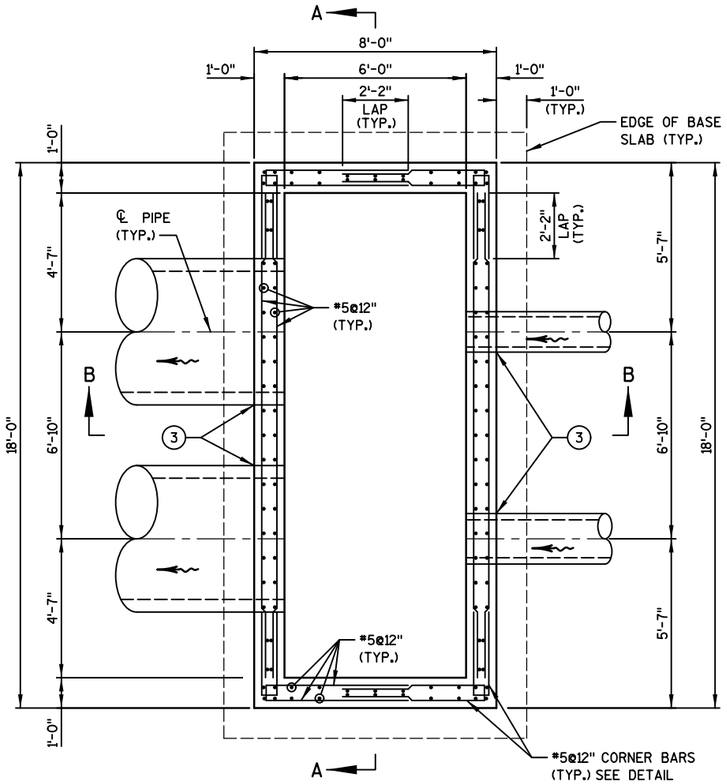
NOTES
1. STONE TRACKING PADS WILL BE INSTALLED AS PART OF THE LARGER ROAD PROJECT.

2. TOPSOIL STOCKPILES AREA SHALL BE SURROUNDED WITH SILT FENCE INCIDENTAL TO TOPSOIL.

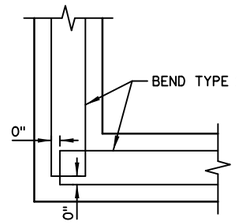
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	SWALLOWTAIL POND EROSION CONTROL PLAN	SHEET 185	E



TOP PLAN



LOWER PLAN



CORNER REINFORCING DETAIL

GENERAL NOTES

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2-INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL ITEMS SHOWN IN THIS DETAIL, EXCEPT FOR STORM SEWER PIPES AND PYRAMIDAL INLET GRATE 8x18, ARE INCLUDED IN THE BID ITEM SWALLOWTAIL POND OUTLET CONTROL STRUCTURE.

REFER TO STORM SEWER PLANS SIZES, INVERT ELEVATIONS AND STATION/OFFSET TO CENTER OF STRUCTURE.

KEYNOTES

(1) PYRAMIDAL INLET GRATE 8x18 CONSTRUCTED OF 1" SCHEDULE 40 PIPE. PROVIDE FULLY-WELDED CONSTRUCTION AND HOT-DIP GALVANIZE AFTER FABRICATION.

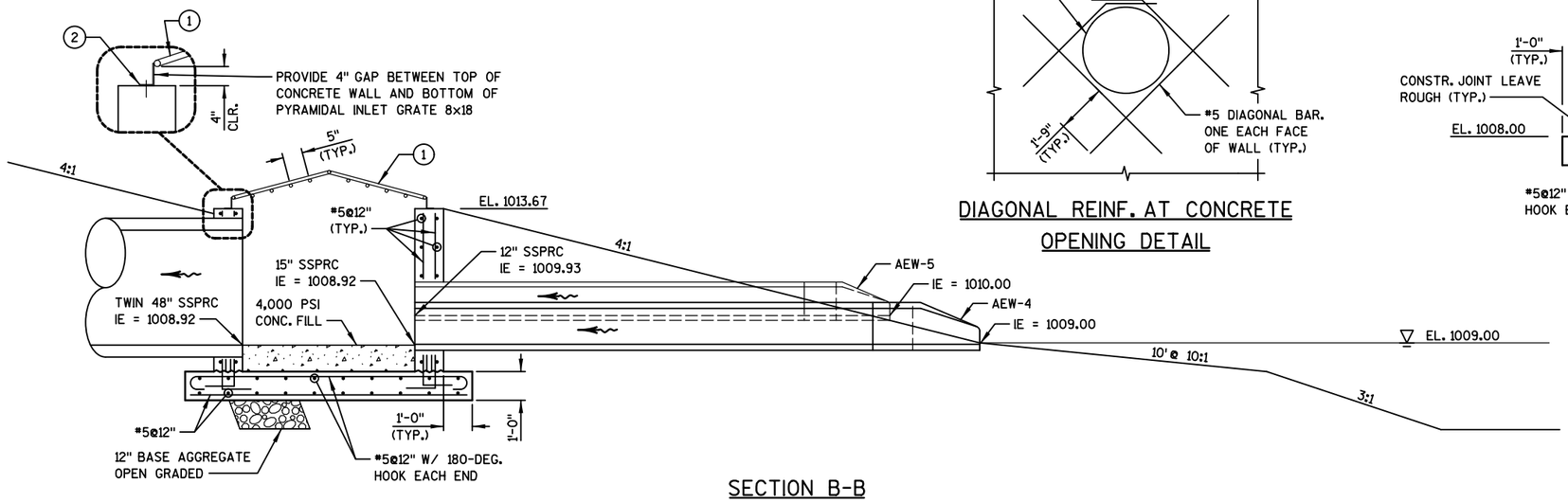
(2) CLIP ANGLE 5"x3"x5/16" (LONG LEG VERTICAL) x6" LONG WITH 5/8"x1 1/2" SLOTTED HOLES FOR 1/2" DIA. STAINLESS STEEL ADHESIVE ANCHOR. PROVIDE MIN. 4" EDGE DISTANCE AND 4" EMBED FOR ADHESIVE ANCHOR. SPACE MAX. 3'-0" O.C. CLIP ANGLE AND ADHESIVE ANCHORS ARE INCLUDED IN THE BID ITEM "PYRAMIDAL INLET GRATE 8x18.

(3) PROVIDE ADDITIONAL DIAGONAL REINFORCING AT OPENING PER DETAIL THIS SHEET.

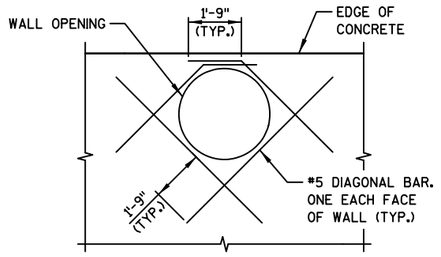
(4) ALL PIPE PENETRATIONS SHALL BE CONSTRUCTED WATER TIGHT.

DESIGN DATA

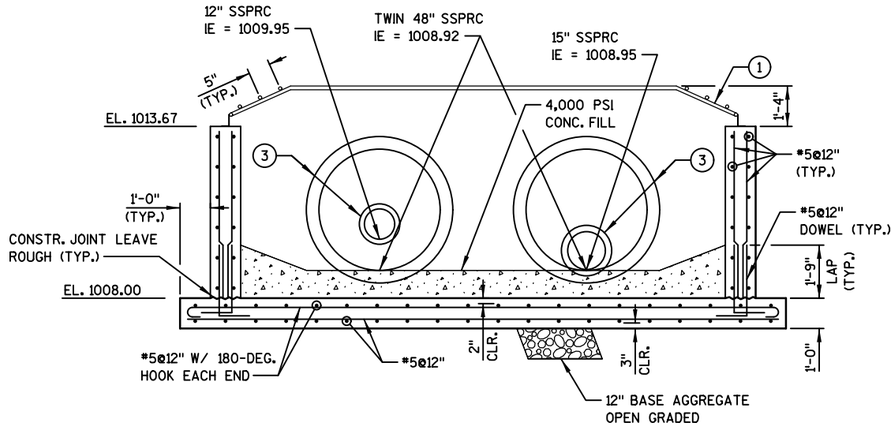
CONCRETE MASONRY: f'c = 4,000 PSI
STEEL REINFORCING: Fy = 60 KSI



SECTION B-B



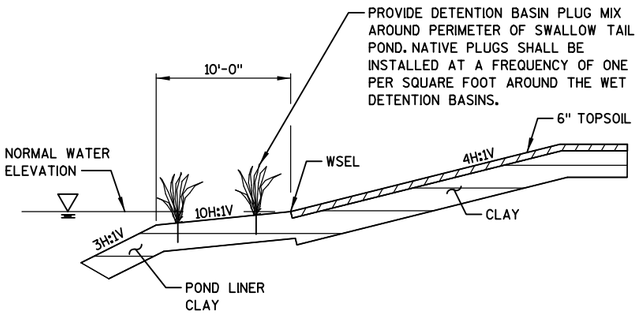
DIAGONAL REINF. AT CONCRETE OPENING DETAIL



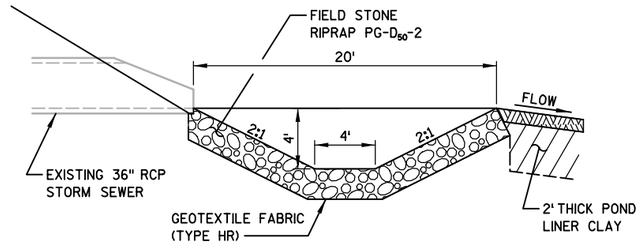
SECTION A-A

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	SWALLOWTAIL POND OUTLET CONTROL STRUCTURE	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\022537_ssp.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

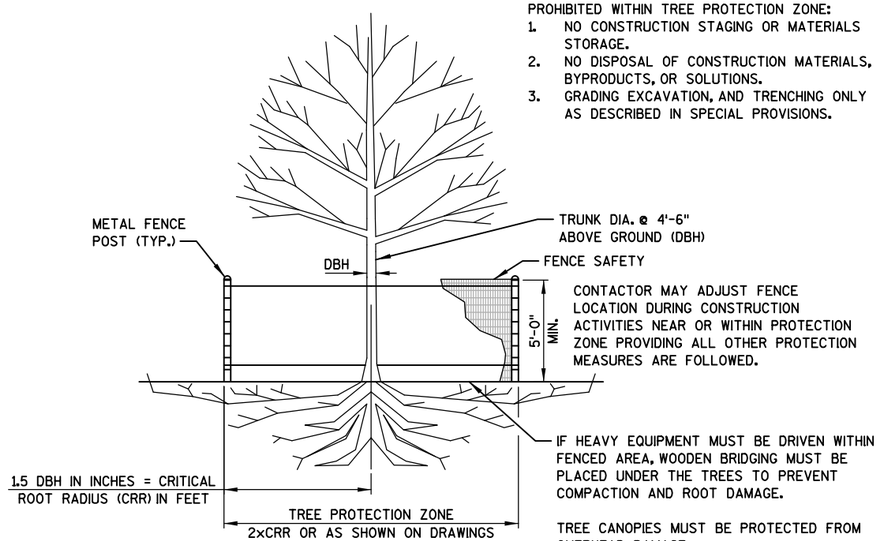


CLAY/TOPSOIL INTERFACE AT TOP OF SAFETY SHELF
NO SCALE

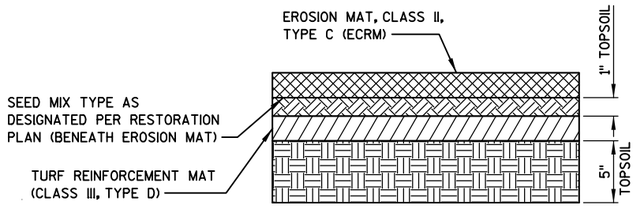


INLET PLUNGE POOL
NO SCALE

PROHIBITED WITHIN TREE PROTECTION ZONE:
1. NO CONSTRUCTION STAGING OR MATERIALS STORAGE.
2. NO DISPOSAL OF CONSTRUCTION MATERIALS, BYPRODUCTS, OR SOLUTIONS.
3. GRADING EXCAVATION, AND TRENCHING ONLY AS DESCRIBED IN SPECIAL PROVISIONS.

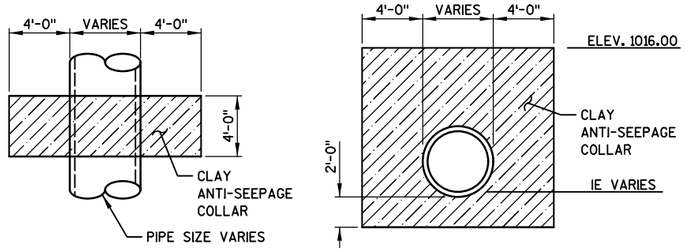


TREE PROTECTION DETAIL
NO SCALE

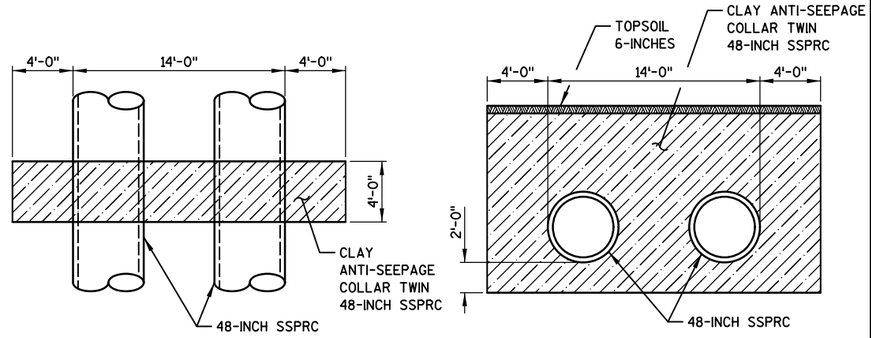


NOTE:
1. TOPSOIL CAN BE EXISTING TOPSOIL OR PARTIALLY NEW/PARTIALLY EXISTING.
2. SEE DRAWINGS AND CROSS SECTIONS FOR LOCATIONS AND USE.

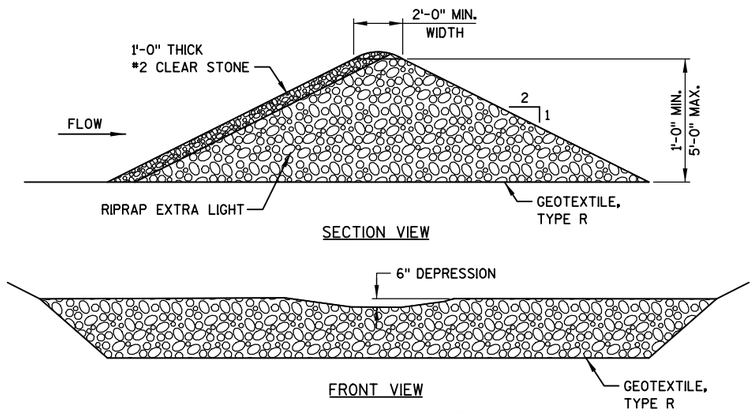
TURF REINFORCEMENT MAT (TRM) SYSTEM
NO SCALE



CLAY ANTI-SEEPAGE COLLAR
NO SCALE



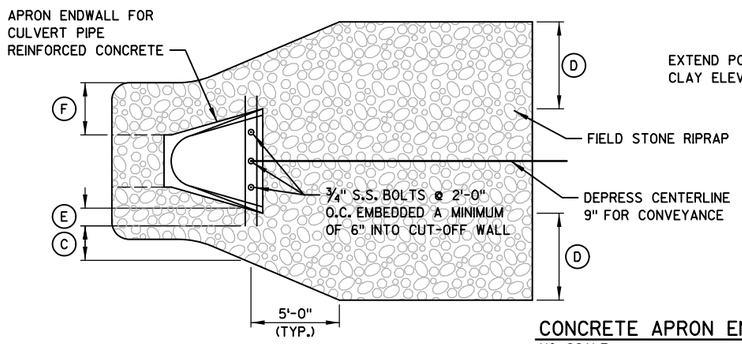
CLAY ANTI-SEEPAGE COLLAR TWIN 48-INCH SSPRC
NO SCALE

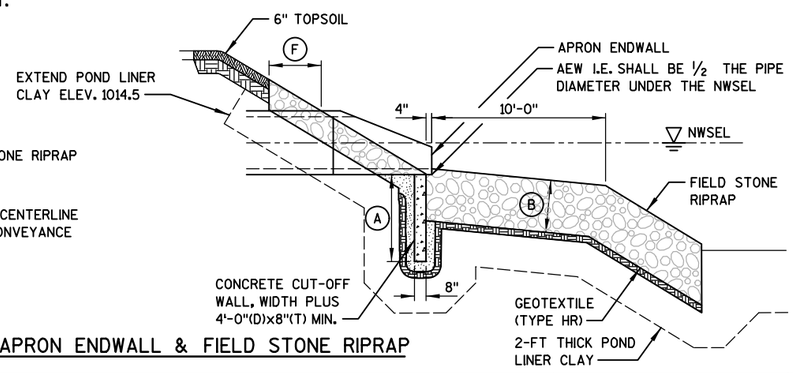


STONE DITCH CHECK
NO SCALE

	A	B	C	D	E	F
AT DISCHARGE INTO PONDS	4'-0"	2'-0"	2'-0"	5'-0"	1'-0"	3'-0"

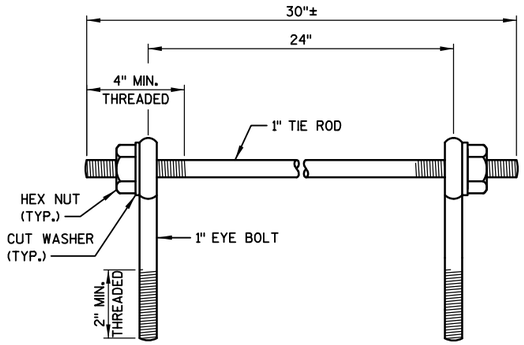
* PROVIDE CONCRETE JOINT TIES AT APRON ENDWALL AND NEXT UPSTREAM JOINT.



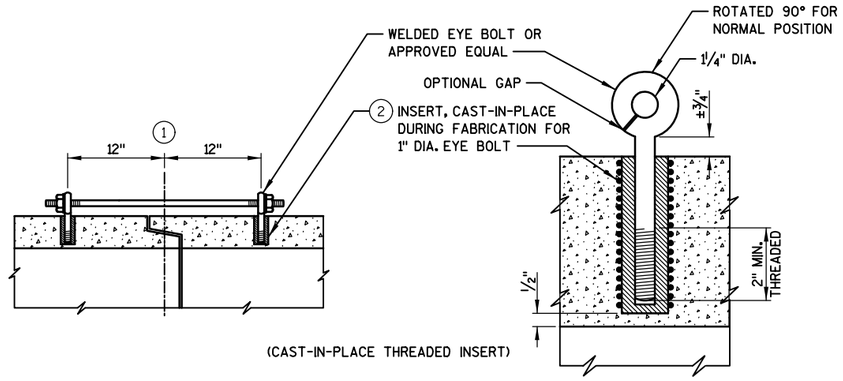


CONCRETE APRON ENDWALL & FIELD STONE RIPRAP
NO SCALE

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	SWALLOWTAIL POND DETAILS	SHEET 187	E



EYEBOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

NO SCALE

NOTES:
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

ALL PIPES ENTERING OR EXITING THE POND SHALL BE PROVIDED WITH JOINT TIES.

(1) ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

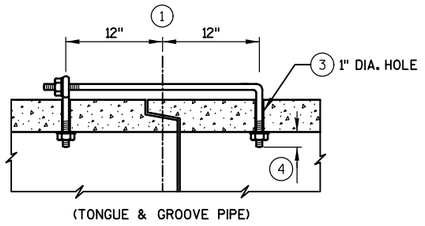
(2) THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FORM ℄ OF TONGUE AND GROOVE.

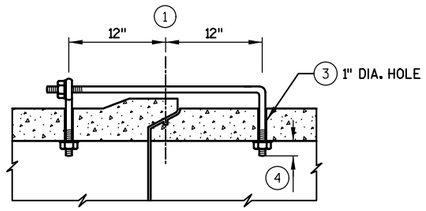
(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEEDED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.



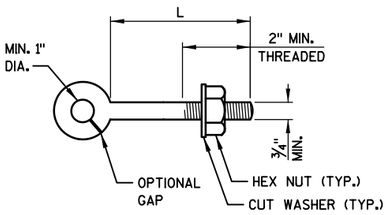
(TONGUE & GROOVE PIPE)



(MODIFIED BELL PIPE)

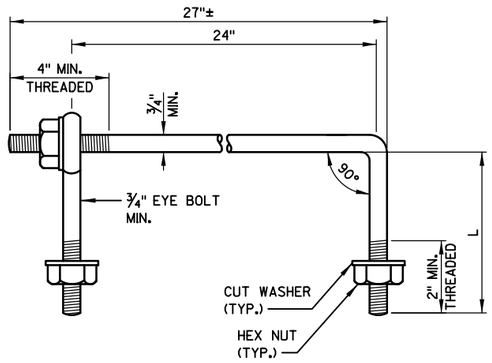
LOGITUDINAL SECTION

EYE BOLT DIMENSION TABLE		
	L = LENGTH	
PIPE SIZE	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4½"	6¼"
30"	5"	7"
36"	5½"	7"
42"	6"	
48"	6½"	
60"	7½"	
66"	8"	



EYE BOLT

NOTE:
TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.

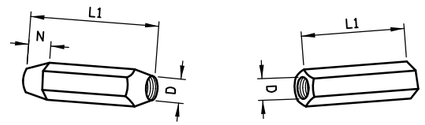


EYE BOLT AND TIE ROD

(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

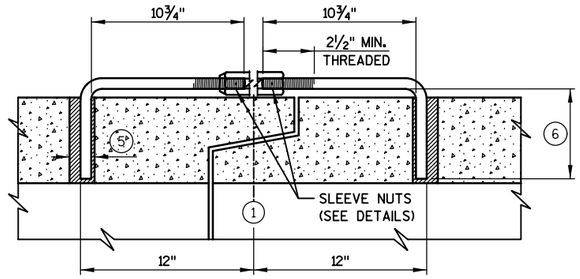
NO SCALE



TAPERED PLAIN

RIGHT AND LEFT THREADS

SLEEVE NUTS

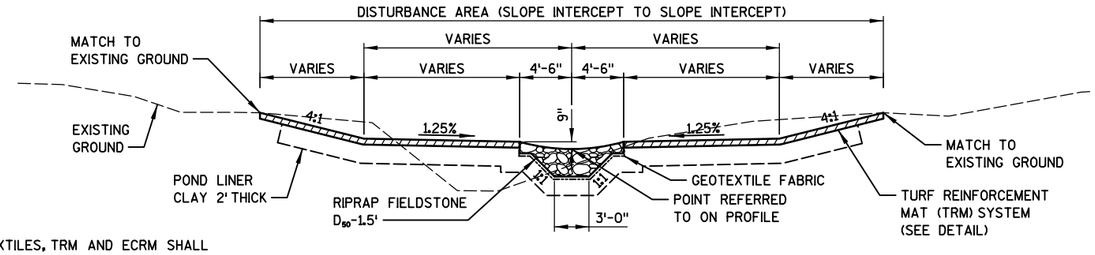


LONGITUDINAL SECTION

(JOINTS TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)

PIPE DIAMETER	TIE ROD DIAMETER	D	L1	N
12-60	⅝	⅝	5	½
66-84	¾	¾	5	½
90-108	1	1	7	1 1/16

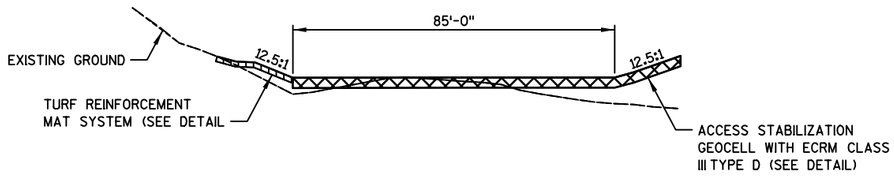


NOTE:
ALL MATS INCLUDING GEOTEXTILES, TRM AND ECRM SHALL HAVE 2-FOOT OVERLAP WITH ADJACENT MATS.

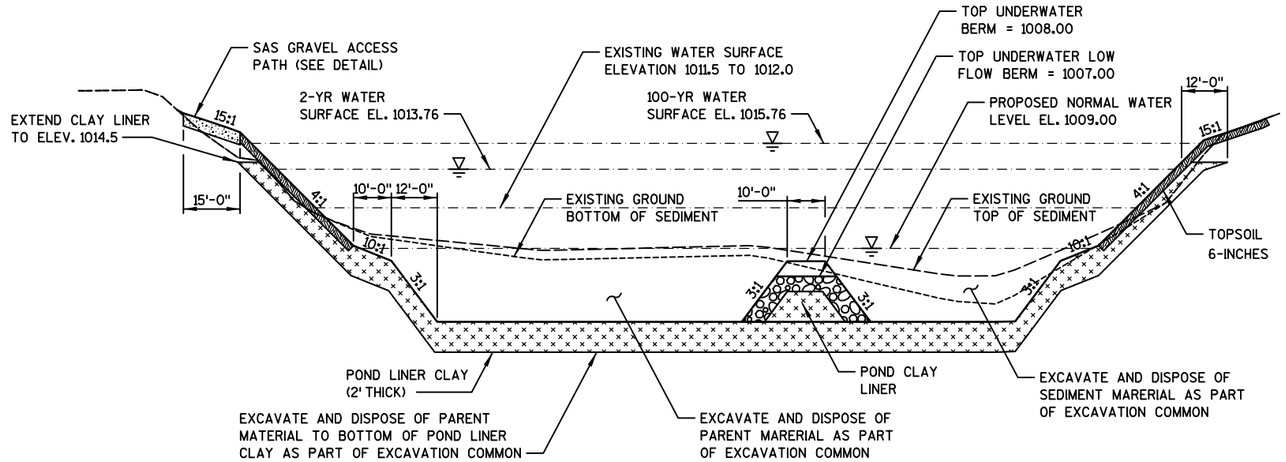
ALL TRM MAT SYSTEM SHALL BE LAPPED A MINIMUM OF 2-FEET BENEATH EDGE OF ADJACENT FIELDSTONE RIPRAP.

CHANNEL TYPICAL SECTION

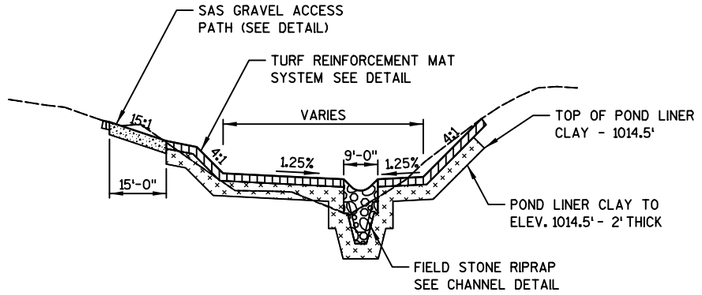
NO SCALE



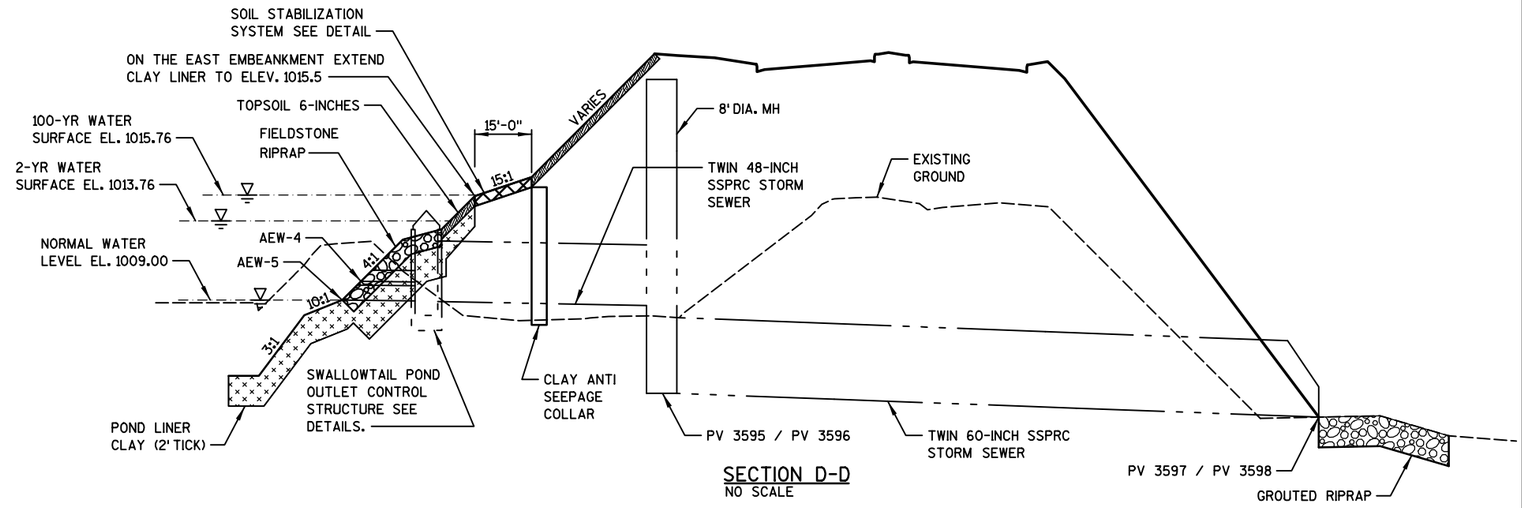
SECTION A-A
NO SCALE



SECTION B-B
NO SCALE



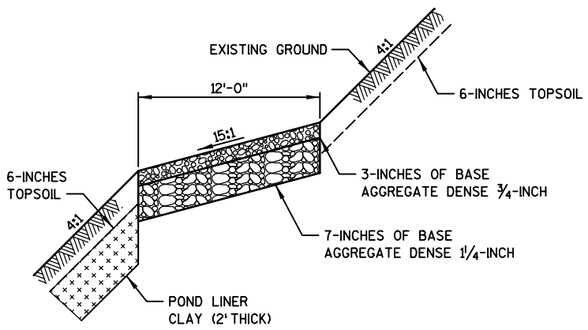
SECTION C-C
NO SCALE



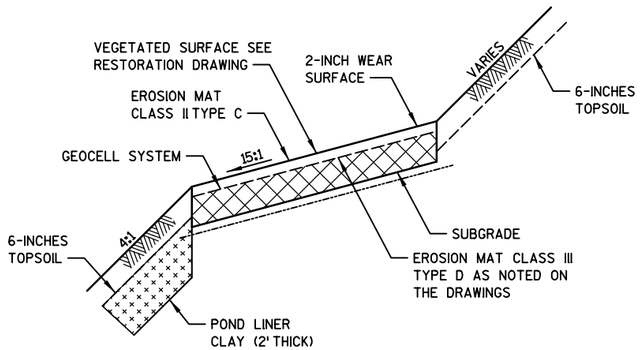
SECTION D-D
NO SCALE

NOTES:
SUBGRADE SHALL BE CONSTRUCTED IN ACCORDANCE WITH WISDOT STANDARD SPECIFICATIONS.

TERRACES AND SIDESLOPES SHALL BE TOPSOILED, SEEDED, FERTILIZED AND MULCHED IN ACCORDANCE WITH THE RESTORATION PLAN.



SAS GRAVEL ACCESS PATH TYPICAL SECTION
NO SCALE



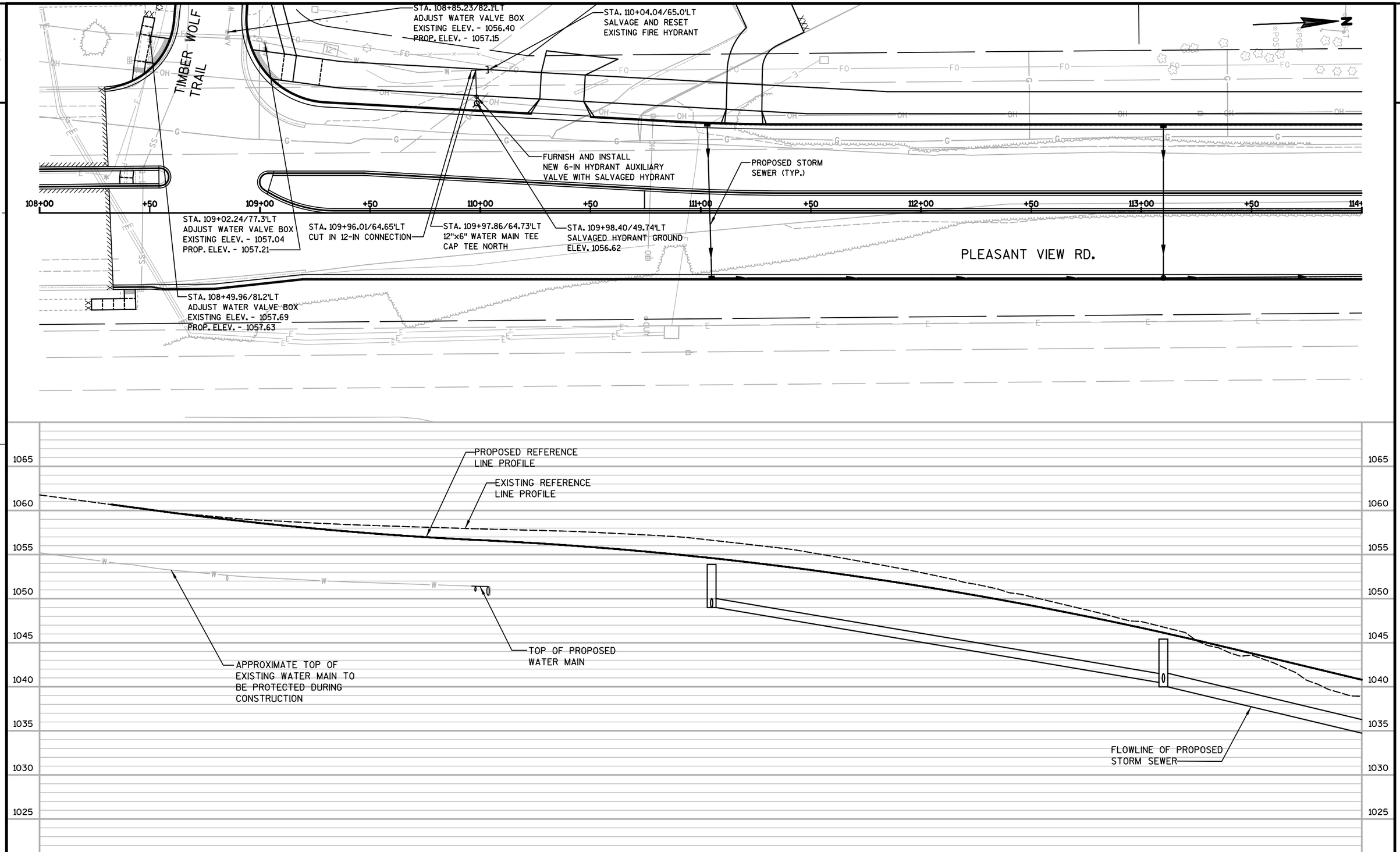
ACCESS STABILIZATION GEOCELL TYPICAL SECTION
NO SCALE

NOTES:
INSTALL PER MANUFACTURERS RECOMMENDATION.
INCLUDING
- ANCHORING
- FILL/WEAR SURFACE MATERIAL
- SUBGRADE
- FABRIC BELOW GEOCELL

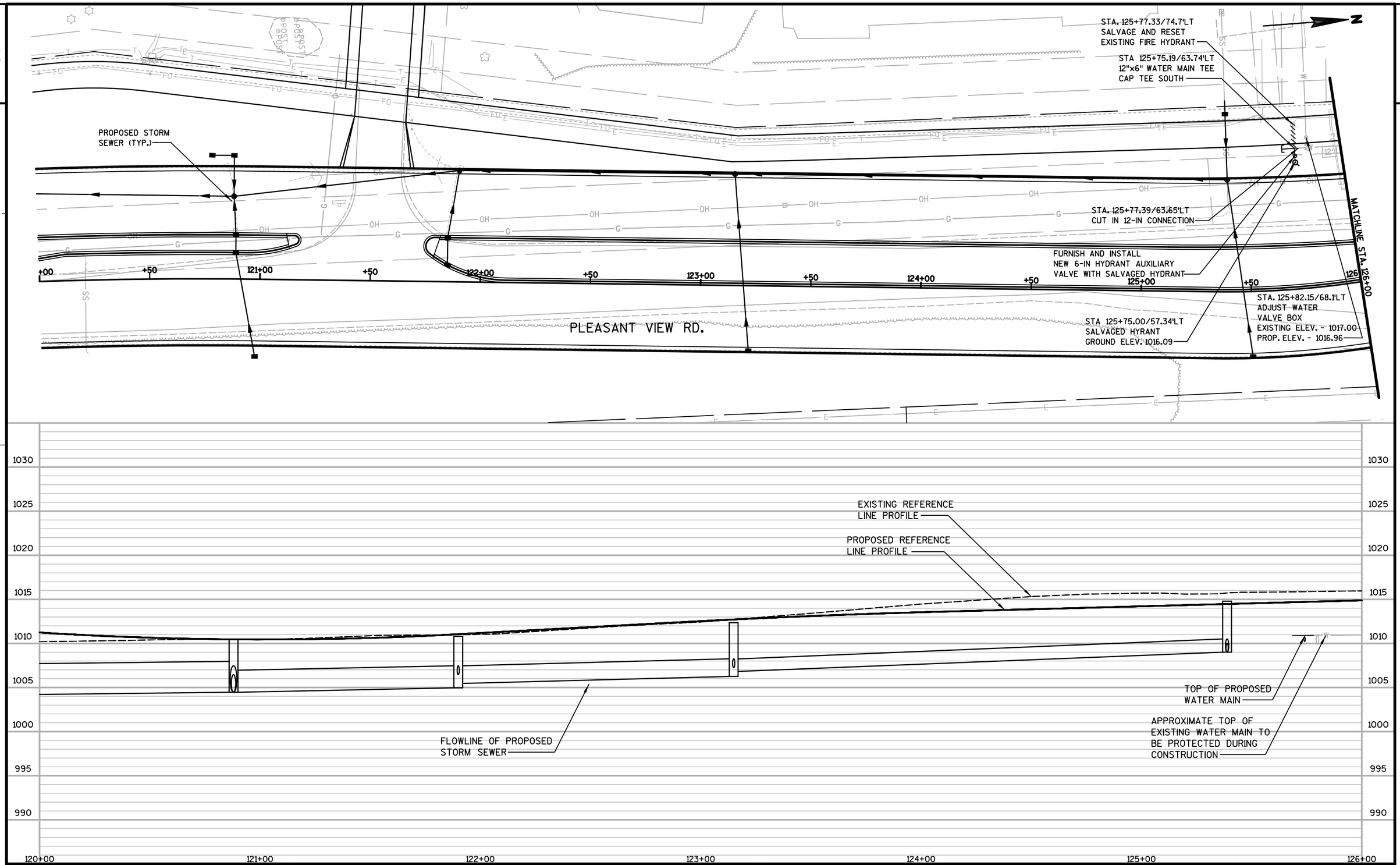
SUBGRADES SHALL BE CONSTRUCTED IN ACCORDANCE WITH WISDOT STANDARD SPECIFICATIONS.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	SWALLOWTAIL POND CONSTRUCTION DETAILS	SHEET 189	E

2



PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	WATER MAIN	SHEET 190	E



PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	WATER MAIN	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023002_up.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 41

2

STA. 127+71.60/131.19'LT
CUT IN 12-IN CONNECTION

STA. 127+72.09/129.29'LT
12"x6" WATER MAIN TEE

STA. 127+74.42/120.74'LT
CUT IN 12-IN CONNECTION

STA. 128+11.68/74.83'RT
ADJUST WATER VALVE BOX
EXISTING ELEV. - 1018.08
PROP. ELEV. - 1017.73

STA. 127+76.81/134.46'LT
SALVAGED HYDRANT GROUND ELEV. 1019.35
FURNISH AND INSTALL NEW 6-IN HYDRANT
AUXILIARY VALVE WITH SALVAGED HYDRANT

STA. 127+77.50/120.8'LT
SALVAGE AND RESET EXISTING FIRE HYDRANT

PROTECT EXISTING
HYDRANT AND
HYDRANT LEAD

STA. 129+01.94/43.39'RT
ADJUST WATER VALVE BOX
EXISTING ELEV. - 1014.94
PROP. ELEV. - 1015.64

STA. 128+98.20/34.01'RT
ADJUST WATER VALVE BOX
EXISTING ELEV. - 1015.60
PROP. ELEV. - 1015.90

PLEASANT VIEW RD.

BLACKHAWK ROAD

MATCHLINE STA. 126+00

MATCHLINE STA. 16+85 B

PROPOSED REFERENCE
LINE PROFILE

EXISTING REFERENCE
LINE PROFILE

APPROXIMATE STORM
SEWER SIZE AND
LOCATION AT EXISTING
WATER CROSSINGS (TYP.)

APPROXIMATE TOP OF
EXISTING WATER MAIN TO
BE PROTECTED DURING
CONSTRUCTION

INSULATION AT STORM
SEWER AND WATER MAIN
CROSSING (TYP.)

TOP OF PROPOSED
WATER MAIN

1030
1025
1020
1015
1010
1005
1000

126+00 127+00 128+00 129+00 130+00 131+00 132+00

PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	WATER MAIN	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023003_up.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 41

2

PLEASANT VIEW RD.

+00 SB | +50 SB | 139+00 SB | +50 SB | 140+00 SB | +50 SB | 141+00 SB | +50 SB | 142+00 SB | +50 SB | 143+00 SB | +50 SB | 144

138+00 | +50 | 139+00 | +50 | 140+00 | +50 | 141+00 | +50 | 142+00 | +50 | 143+00 | +50

MATCHLINE STA. 144+00

PLEASANT VIEW RD.

N

STA. 140+84.29/22.33'LT
ADJUST EXISTING VALVE BOX ELEVATIONS
EXISTING RIM ELEV. = 1019.68±
PROPOSED RIM ELEV. = 1019.59

STA. 140+87.13/9.02'LT
ADJUST EXISTING VALVE BOX ELEVATIONS
EXISTING RIM ELEV. = 1019.34±
PROPOSED RIM ELEV. = 1019.49

STA. 141+24.69/22.83'RT
REMOVE AND SALVAGE
EXISTING HYDRANT TO
OWNER

PROPOSED STORM
SEWER (TYP.)

STA. 140+85.76/15.47'LT
ADJUST EXISTING WATER MAIN
VAULT CASTING ELEVATION
EXISTING RIM ELEV. = 1019.51±
PROPOSED RIM ELEV. = 1019.54

STA. 141+36.28/36.30'RT
HYDRANT GROUND ELEV. = 1019.54±
6-IN VALVE SOUTHWEST

STA. 141+13.73/25.15'RT
CONNECT TO EXISTING HYDRANT
LEAD WITH APPROPRIATE FITTINGS

STA. 140+95.21/107.68'RT
ADJUST EXISTING WATER MAIN
VAULT CASTING ELEVATION
EXISTING RIM ELEV. = 1016.79
PROPOSED RIM ELEV. = 1017.72

GREENWAY BLVD.

50+00 G

EXISTING REFERENCE
LINE PROFILE

PROPOSED REFERENCE
LINE PROFILE

FLOW LINE OF PROPOSED
STORM SEWER

APPROXIMATE TOP OF EXISTING
WATER MAIN TO BE PROTECTED
DURING CONSTRUCTION

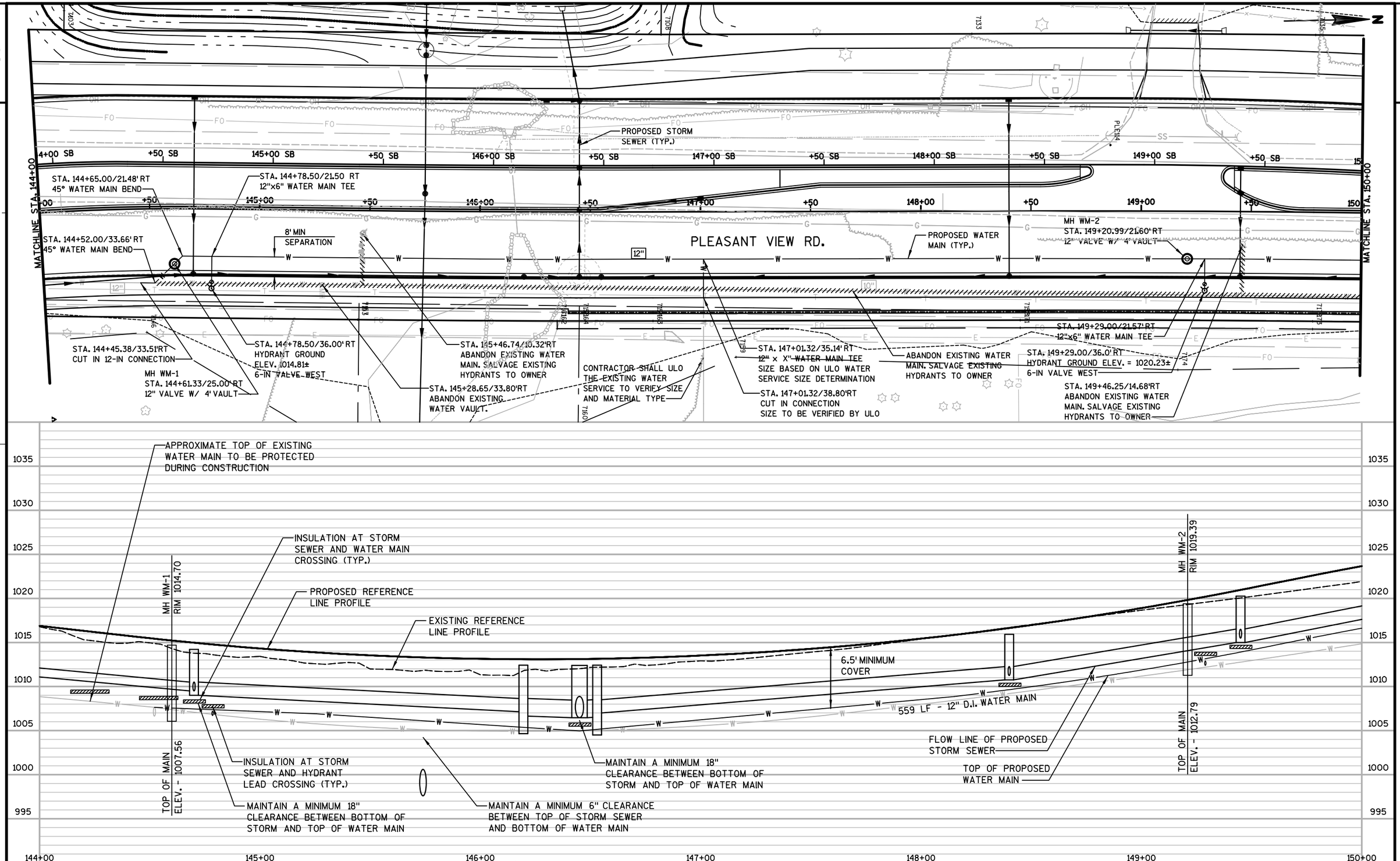
MAINTAIN A MINIMUM 6" CLEARANCE
BETWEEN TOP OF STORM SEWER
AND BOTTOM OF WATER MAIN

1025 | 1020 | 1015 | 1010 | 1005 | 1000

138+00 | 139+00 | 140+00 | 141+00 | 142+00 | 143+00 | 144+00

PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	WATER MAIN	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023004_up.dgn | PLOT DATE : 1/30/2022 | PLOT BY : _username_ | PLOT NAME : | PLOT SCALE : $$.....plotscale.....$$ | WISDOT/CADDS SHEET 41



PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	WATER UTILITY PLAN	SHEET 194 E

2

N

MATCHLINE STA. 150+00

MATCHLINE STA. 156+00

PLEASANT VIEW RD.

8' MIN. SEPARATION

PROPOSED WATER MAIN (TYP.)

PROPOSED SANITARY SEWER (TYP.)

PROPOSED STORM SEWER (TYP.)

MH WM-3
STA. 152+50.25/21.5'RT
12" VALVE W/ 4' VAULT

STA. 153+34.70/24.81'RT
ABANDON EXISTING
WATER VAULT.

STA. 153+40.77/1.17'RT
ABANDON EXISTING WATER
MAIN. SALVAGE EXISTING
HYDRANTS TO OWNER

STA. 155+90.76/24.68'RT
11.25° WATER MAIN BEND

MH WM-4
STA. 155+71.39/23.34'RT
12" VALVE W/ 4' VAULT

ABANDON EXISTING WATER
MAIN. SALVAGE EXISTING
HYDRANTS TO OWNER

STA. 152+09.21/33.50'RT
CONTRACTOR SHALL INSTALL TEMPORARY
HYDRANT PRIOR TO ROADWAY EXCAVATION
OCCURRING. TEMPORARY HYDRANT SHALL
BE SALVAGED AND REUSED DURING
PROPOSED WATERMAIN INSTALLATION

STA. 152+55.25/21.5'RT
12"x6" WATER MAIN TEE

STA. 152+55.25/37.25'RT
HYDRANT GROUND ELEV. = 1032.54
6-IN VALVE WEST

SECTION OF EXISTING WATER
MAIN TO BE ABANDONED PRIOR
TO ROADWAY EXCAVATION

20 LF WATER MAIN AND
PEDESTRIAN EASEMENT

20 LF

STA. 155+79.21/23.84'RT
12"x6" WATER MAIN TEE

STA. 155+79.21/36.0'RT
HYDRANT GROUND ELEV. = 1034.72
6-IN VALVE WEST

1045
1040
1035
1030
1025
1020
1015
1010
1005

MH WM-3
RIM 1033.31

MH WM-4
RIM 1034.28

INSULATION AT STORM
SEWER AND WATER MAIN
CROSSING (TYP.)

PROPOSED REFERENCE
LINE PROFILE

EXISTING REFERENCE
LINE PROFILE

601 LF - 12" D.I. WATER MAIN

6.5' MIMIMUM
COVER

TOP OF PROPOSED
WATER MAIN

TOP OF MAIN
ELEV. - 1026.83

TOP OF MAIN
ELEV. - 1027.70

MAINTAIN A MINIMUM 18" CLEARANCE
BETWEEN BOTTOM OF STORM SEWER
AND TOP OF WATER MAIN

INSULATION AT STORM
SEWER AND HYDRANT
LEAD CROSSING (TYP.)

FLOW LINE OF PROPOSED
STORM SEWER

LOCATION OF
TEMPORARY HYDRANT

FLOW LINE OF PROPOSED
SANITARY SEWER

151+00 152+00 153+00 154+00 155+00 156+00

PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	WATER UTILITY PLAN	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023006_up.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 41

2

PLEASANT VIEW RD.

MATCHLINE STA. 156+00

MATCHLINE STA. 162+00

PROPOSED SANITARY SEWER (TYP.)

PROPOSED STORM SEWER (TYP.)

8' MIN. SEPARATION

PROPOSED WATER MAIN (TYP.)

STA. 159+25.54/21.79' RT
12"x6" WATER MAIN TEE

STA. 159+25.54/35.86' RT
HYDRANT GROUND ELEV. = 1026.05
6-IN VALVE WEST

MH WM-5
STA. 159+17.53/21.78' RT
12" VALVE W/ 4' VAULT

8' MIN. SEPARATION

PROPOSED REFERENCE LINE PROFILE

INSULATION AT STORM SEWER AND WATER MAIN CROSSING (TYP.)

MH WM-5
RIM 1025.91

6.5' MINIMUM COVER

EXISTING REFERENCE LINE PROFILE

601 LF - 12" D.I. WATER MAIN

FLOW LINE OF PROPOSED STORM SEWER

MAINTAIN A MINIMUM 18" CLEARANCE BETWEEN BOTTOM OF STORM SEWER AND TOP OF WATER MAIN

FLOW LINE OF PROPOSED SANITARY SEWER

TOP OF MAIN
ELEV. - 1019.42

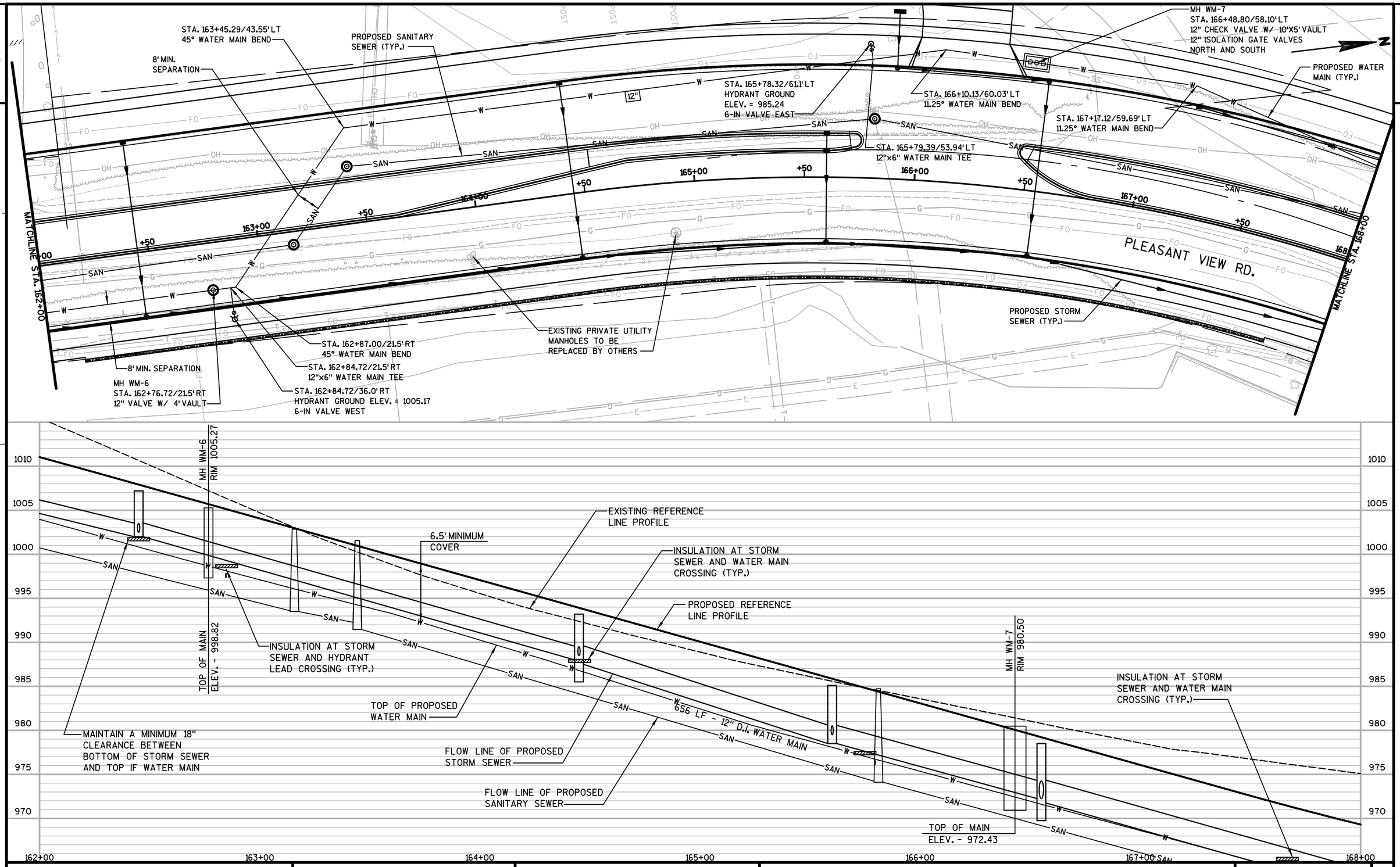
INSULATION AT STORM SEWER AND HYDRANT LEAD CROSSING (TYP.)

TOP OF PROPOSED WATER MAIN

1040 1035 1030 1025 1020 1015 1010 1005 1000

156+00 157+00 158+00 159+00 160+00 161+00 162+00

PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	WATER UTILITY PLAN	SHEET 196 E



PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	WATER UTILITY PLAN	SHEET 197 E

2

STA. 169+54.24/53.70'LT
HYDRANT GROUND ELEV. = 962.43
6-IN VAVLE EAST

STA. 169+52.54/33.02'LT
12"x6" WATER MAIN TEE

PROPOSED WATER
MAIN (TYP.)

8' MIN. SEPARATION

MH WM-8
STA. 169+44.14/33.72'LT
12" VALVE W/ 4' VAULT

PROPOSED SANITARY
SEWER (TYP.)

MATCHLINE STA. 168+00

PLEASANT VIEW RD.

PROPOSED STORM
SEWER (TYP.)

STA. 171+79.13/18.39'RT
ABANDON EXISTING
WATER VAULT.

ABANDON EXISTING WATER
MAIN AND SALVAGE EXISTING
HYDRANT TO OWNER

STA. 171+84.48/53.07'RT
45° WATER MAIN BEND

MH WM-9
STA. 171+85.13/57.43'RT
12" VALVE W/ 4' VAULT

QUARRY RD.

STA. 171+79.36/77.54'LT
45° WATER MAIN BEND

STA. 172+54.74/12.38'LT
12"x12" WATER MAIN TEE

STA. 173+62.86/52.09'LT
HYDRANT GROUND ELEV. = 954.52
6-IN VALVE EAST

STA. 173+64.68/31.18'LT
12"x6" WATER MAIN TEE

MH WM-10
STA. 173+56.92/30.37'LT
12" VALVE W/ 4' VAULT

MATCHLINE STA. 174+00

PLEASANT VIEW RD.

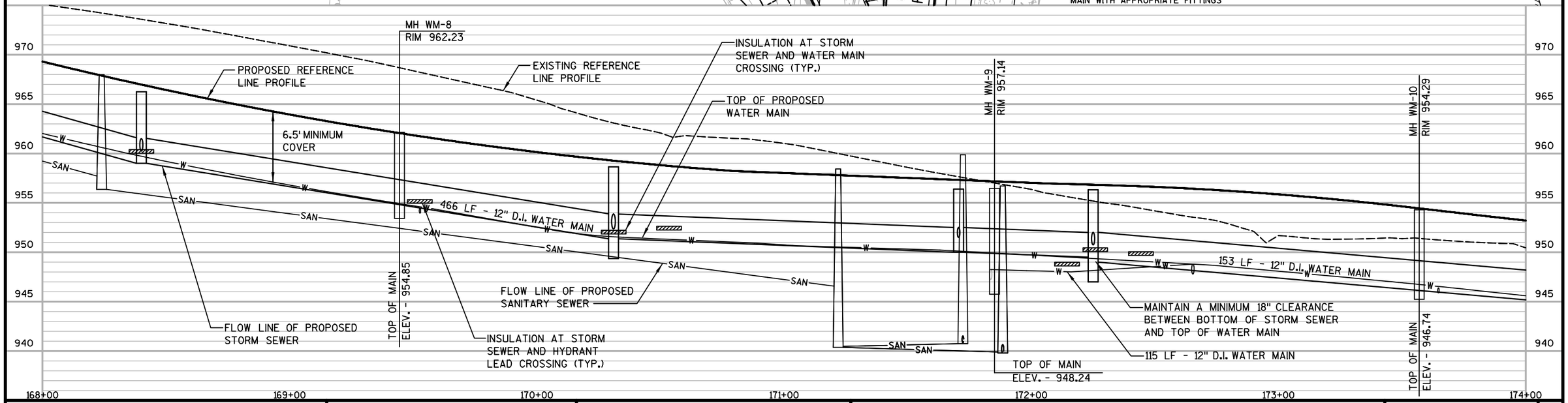
STA. 172+05.09/32.60'RT
ABANDON EXISTING WATER
MAIN. SALVAGE EXISTING
HYDRANTS TO OWNER

STA. 172+79.12/25.73'LT
22.5° WATER MAIN BEND

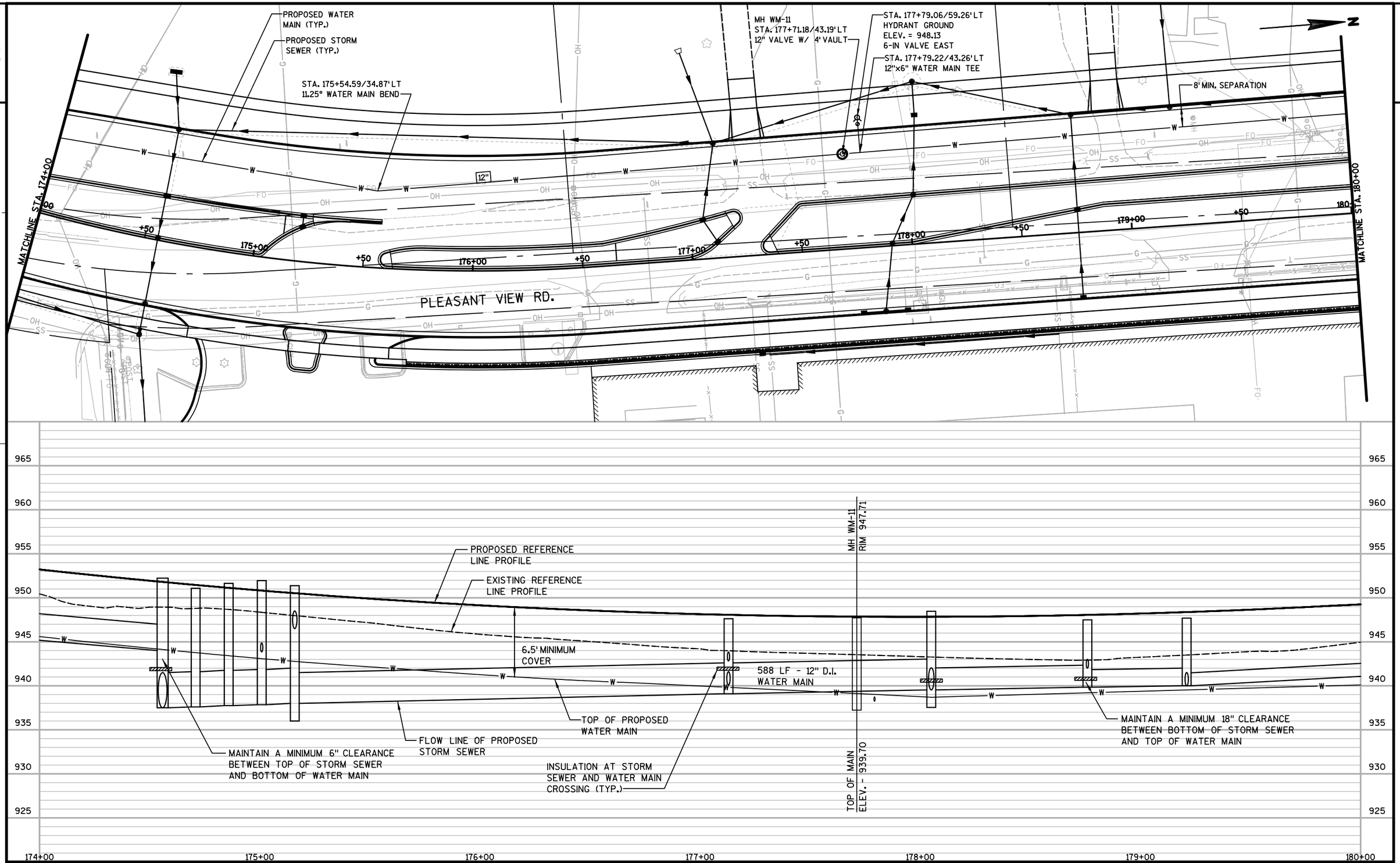
STA. 171+89.43/45.85'RT
12"x6" WATER MAIN TEE

STA. 172+05.09/61.36'RT
HYDRANT GROUND ELEV. = 955.89
6-IN VALVE SOUTH

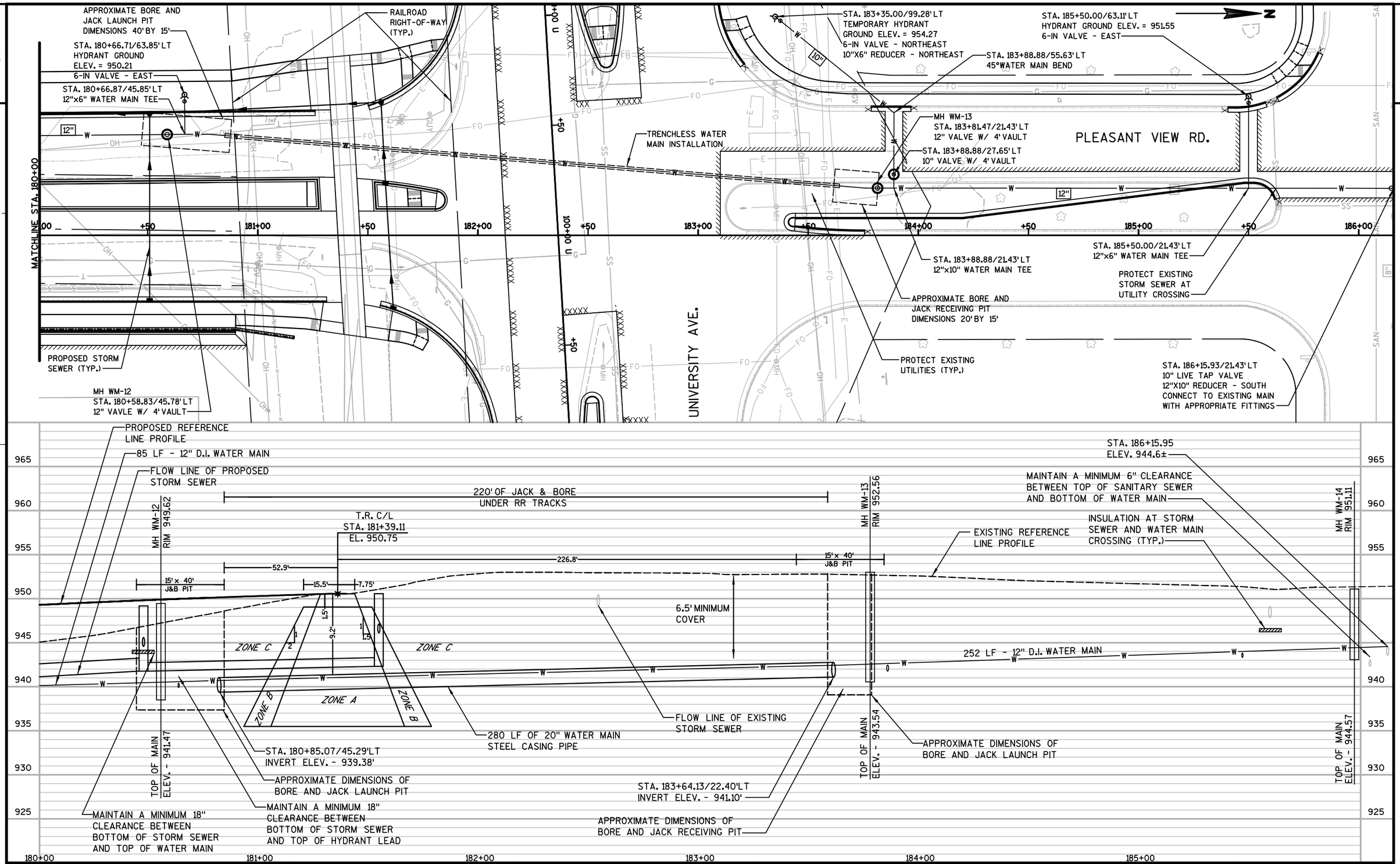
STA. 171+85.77/62.12'RT
CONNECT TO EXISTING WATER
MAIN WITH APPROPRIATE FITTINGS



PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	WATER UTILITY PLAN	SHEET 198	E



PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	WATER UTILITY PLAN	SHEET 199	E



PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	WATER UTILITY PLAN	SHEET 200	E

2

N

PROTECT EXISTING
HYDRANT AND
HYDRANT LEAD

STA. 129+01.94/43.39'RT
ADJUST WATER VALVE BOX
EXISTING ELEV. - 1014.94
PROP. ELEV. - 1015.64

STA. 127+76.81/134.46'LT
SALVAGED HYDRANT
GROUND ELEV. 1019.35

FURNISH AND INSTALL NEW 6-IN
HYDRANT AUXILIARY VALVE
WITH SALVAGED HYDRANT

STA. 18+84.02 B / 18.56'LT
ADJUST WATER VALVE BOX
EXISTING ELEV. - 999.72
PROP. ELEV. - 1002.99

BLACKHAWK RD.

BLACKHAWK RD.

PLEASANT VIEW RD.

STA. 127+69.38/143.19'LT
ADJUST WATER VALVE BOX
EXISTING ELEV. - 1020.01
PROP. ELEV. - 1020.17

STA. 127+71.60/131.19'LT
CUT IN 12-IN CONNECTION

STA. 127+72.09/129.29'LT
12"x6" WATER MAIN TEE

STA. 127+74.42/120.74'LT
CUT IN 12-IN CONNECTION

STA. 127+77.50/120.8'LT
SALVAGE AND RESET
EXISTING FIRE HYDRANT

STA. 128+11.68/74.83'LT
ADJUST WATER VALVE BOX
EXISTING ELEV. - 1018.08
PROP. ELEV. - 1017.73

STA. 128+39.37/58.58'LT
INSULATION AT STORM
SEWER AND WATER MAIN
CROSSING (TYP.)

STA. 127+69.12/61.56'RT
INSULATION AT STORM
SEWER AND WATER MAIN
CROSSING (TYP.)

STA. 128+98.20/34.01'RT
ADJUST WATER VALVE BOX
EXISTING ELEV. - 1015.60
PROP. ELEV. - 1015.90

STA. 128+73.51/11.59'RT
INSULATION AT STORM
SEWER AND WATER MAIN
CROSSING (TYP.)

STA. 19+02.54 B/ 11.31'LT
ADJUST WATER VALVE BOX
EXISTING ELEV. - 998.93
PROP. ELEV. - 1001.76

PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	WATER UTILITY PLAN	SHEET 201	E

2

PROPOSED STORM SEWER (TYP.)

ABANDON EXISTING WATER MAIN AND SALVAGE EXISTING HYDRANT TO OWNER

STA. 10+58.55 Q4/3.07'LT
12" VALVE W/ 4' VAULT

CONNECT TO EXISTING WATER MAIN WITH APPROPRIATE FITTINGS

PROPOSED SANITARY SEWER (TYP.)

PROPOSED WATER MAIN (TYP.)

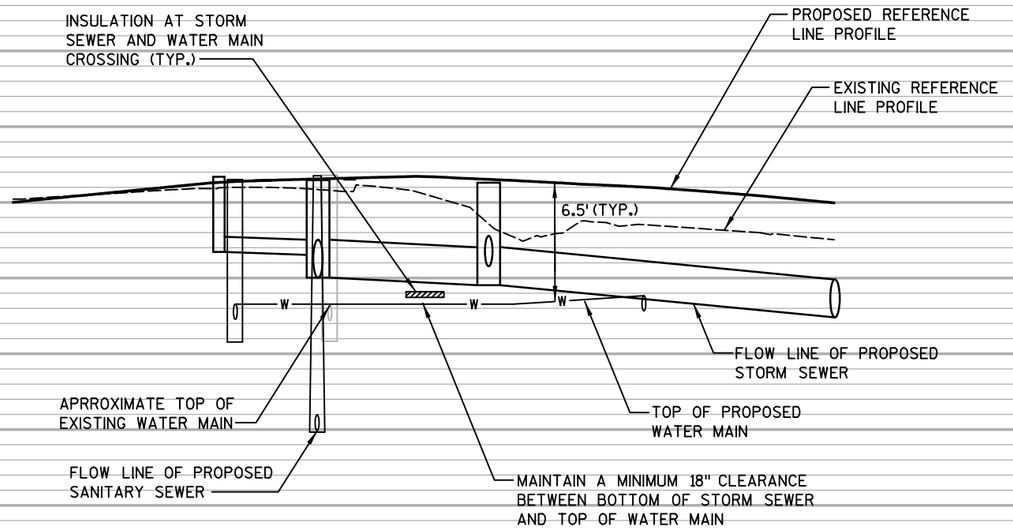
RESEARCH WAY

QUARRY RD.

PLEASANT VIEW RD.

STA. 10+64.43 Q4/23.29'RT
HYDRANT GROUND
ELEV. = 955.89
6-IN VALVE SOUTH

STA. 10+70.26 Q4/3.23'LT
12"x6" WATER MAIN TEE



PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	WATER UTILITY PLAN	SHEET 202	E

2

2

N

POST

OH

7328

7327

7407

WV

W

WV

7329

7330

7324

7325

9267

7326

7408

STA. 175+89.48/952.36'RT
INSULATION AT STORM SEWER
AND WATER MAIN CROSSING
(TYP.)

PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	WATER UTILITY PLAN	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023014_up.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

30 LF OF 24-IN STEEL CASING PIPE

45 LF OF SEWER REPLACEMENT ALLOTTED FOR CASING INSTALLATION

STA. 116+85.37/84.11'LT CASING PIPE END

CONNECT TO EXISTING SANITARY SEWER ACCESS STRUCTURE WITH APPROPRIATE FITTINGS. (TYP)

STA. 116+93.33/83.46'LT SAS-02, 4' DIA., COVER TYP MAD ADJUST SANITARY SEWER ACCESS STRUCTURE. PROVIDE 8'4" OF RISER SECTIONS AND RINGS RIM = 1019.62

PROTECT EXISTING SANITARY SEWER (TYP)

PROTECT EXISTING SANITARY SEWER (TYP)

CONNECT TO EXISTING SEWER WITH APPROPRIATE FITTINGS (TYP)

STA. 116+20.22/ 89.45'LT SAS-01, 4' DIA., COVER TYP MAD ADJUST SANITARY SEWER ACCESS STRUCTURE. PROVIDE 5'4" OF RISER SECTIONS AND RINGS RIM = 1019.81

STA. 118+24.11/98.95'LT SAS-03, 4' DIA., COVER TYP MAD ADJUST MANHOLE COVER.

PLEASANT VIEW RD.

STA. 116+68.05/55.75'RT SAS-04, 4' DIA., COVER TYP MAD ADJUST SANITARY SEWER ACCESS STRUCTURE PROVIDE 10' OF RISER SECTIONS AND RINGS RIM = 1018.35

STA. 116+55.47/86.57'LT CASING PIPE END

PROPOSED STORM SEWER (TYP.)

SAS-01
EX RIM 1014.24
PROP RIM 1019.81

SAS-04
EX RIM 1008.48
PROP RIM 1018.35

SAS-02
EX RIM 1011.39
PROP RIM 1019.62

SAS-03
EX RIM 1014.45
PROP RIM 1014.17

EXISTING REFERENCE LINE PROFILE

PROPOSED REFERENCE LINE PROFILE

INVERT OF 48" STORM SEWERS AT SANITARY SEWER CROSSING

EX I.E. 10" N 1005.89
EX I.E. 10" SW 1005.94

I.E. 10" SEWER - 1005.78

CASING END - 1005.16

45 LF - 10" PVC @ 0.35%

EX I.E. 18" W 997.96
EX I.E. 18" E 997.86

EX I.E. 18" N 1005.07
EX I.E. 10" S 1005.63
EX I.E. 18" E 1005.64
I.E. 10" S 1005.63

CASING END - 1005.03

30 LF OF 24-INCH STEEL CASING PIPE

APPROXIMATE FLOWLINE OF EXISTING SANITARY SEWER

EX I.E. 18" S 1005.89
EX I.E. 18" NW 1005.95

FLOW LINE OF PROPOSED STORM SEWER

1025 1020 1015 1010 1005 1000 995

114+00 115+00 116+00 117+00 118+00 119+00 120+00

PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	SANITARY SEWER UTILITY PLAN	SHEET 204	E

2

N

STA. 128+73.37/42.05'LT
SAS-06, 4'DIA., COVER TYP MAD
ADJUST MANHOLE COVER

PLEASANT VIEW RD.

BLACKHAWK ROAD

PROVIDE LID ORIENTATION
THAT PREVENTS CASTING
FROM BEING PLACED WITHIN
THE PROPOSED CURB LINE

STA. 128+45.84/149.01'LT
SAS-05, 4'DIA., COVER TYP MAD
ADJUST MANHOLE COVER

126+00 +50 127+00 +50 128+00 +50 129+00 +50 130+00 +50 131+00 +50 132

15+00 B 16+00 B +50 B

PLEASANT VIEW RD.

BLACKHAWK ROAD

PROPOSED STORM
SEWER (TYP.)

STA. 128+79.58/21.36'RT
SAS-07, 4'DIA., COVER TYP MAD
ADJUST MANHOLE COVER

SAS-05
EX RIM 1018.97
PROP RIM 1019.43

SAS-06
EX RIM 1017.65
PROP RIM 1017.85

SAS-07
EX RIM 1016.45
PROP RIM 1015.71

PROPOSED REFERENCE
LINE PROFILE

EXISTING REFERENCE
LINE PROFILE

1025
1020
1015
1010
1005
1000
995

FLOW LINE OF PROPOSED
STORM SEWER

APPROXIMATE TOP OF EXISTING
WATER MAIN TO BE PROTECTED
DURING CONSTRUCTION

APPROXIMATE FLOWLINE OF EXISTING
SANITARY SEWER TO BE PROTECTED
DURING CONSTRUCTION

INSULATION AT STORM
SEWER AND SANITARY
SEWER CROSSING (TYP.)

EX I.E. 8" N 1011.30
EX I.E. 8" W 1009.40
EX I.E. 8" E 1009.30

EX I.E. 8" E 1007.91
EX I.E. 8" W 1008.01

EX I.E. 8" E 1007.24
EX I.E. 8" W 1007.38
EX I.E. 8" N 1007.32

126+00 127+00 128+00 129+00 130+00 131+00 132+00

PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	SANITARY SEWER UTILITY PLAN	SHEET 205	E

STA. 140+86.96/76.16'LT
SAS-09, 4'DIA.,
RECONSTRUCT EXISTING
SANITARY SEWER
PROVIDE 0.75'LESS OF TOTAL
RISER SECTIONS AND RINGS

PLEASANT VIEW RD.

PLEASANT VIEW RD.

STA. 140+72.28/25.49'LT
SAS-08, 4'DIA.,
RECONSTRUCT EXISTING
SANITARY SEWER
PROVIDE 1.33'LESS OF TOTAL
RISER SECTIONS AND RINGS

GREENWAY BLVD.

PROPOSED STORM
SEWER (TYP.)

EXISTING REFERENCE
LINE PROFILE

SAS-08
EX RIM 1019.89
PROP RIM 1018.56

SAS-09
EX RIM 1020.15
PROP RIM 1019.40

PROPOSED REFERENCE
LINE PROFILE

FLOW LINE OF PROPOSED
STORM SEWER

APPROXIMATE TOP OF EXISTING
WATER MAIN TO BE PROTECTED
DURING CONSTRUCTION

APPROXIMATE FLOWLINE OF EXISTING
SANITARY SEWER TO BE PROTECTED
DURING CONSTRUCTION

EX I.E. 8" NW 1004.40
EX I.E. 10" E 1002.30
EX I.E. 8" W 1005.76
EX I.E. 8" SE 1005.59

1025 1020 1015 1010 1005 1000 995

138+00 139+00 140+00 141+00 142+00 143+00 144+00

PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	SANITARY SEWER UTILITY PLAN	SHEET 206 E

PLEASANT VIEW RD.

N

8" MIN. SEPARATION

8" MIN. SEPARATION

MATCHLINE STA. 156+00

PROPOSED WATER MAIN (TYP.)

PROPOSED STORM SEWER (TYP.)

STA. 155+91.12/6.0' RT
SAS-10, 4'DIA.

+00 +50 151+00 +50 152+00 +50 153+00 +50 154+00 +50 155+00 +50 156

1045 1040 1035 1030 1025 1020 1015 1010 1005 1000

EXISTING REFERENCE LINE PROFILE

PROPOSED REFERENCE LINE PROFILE

SAS-10
RIM 1034.45

I.E. 8" N 1025.32

TOP OF PROPOSED WATER MAIN

FLOW LINE OF PROPOSED STORM SEWER

FLOW LINE OF PROPOSED SANITARY SEWER

151+00 152+00 153+00 154+00 155+00 156+00

PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	SANITARY SEWER UTILITY PLAN	SHEET 207	E

2

PLEASANT VIEW RD.

PROPOSED STORM SEWER (TYP.)

MATCHLINE STA. 156+00

MATCHLINE STA. 162+00

STA. 158+10.05/6.0' RT
SAS-11, 4'DIA.

PROPOSED WATER MAIN (TYP.)

STA. 159+92.61/6.0' RT
SAS-12, 4'DIA.

PROPOSED REFERENCE LINE PROFILE

EXISTING REFERENCE LINE PROFILE

SAS-11 RIM 1030.05

I.E. 8" S 1021.12
I.E. 8" N 1021.02

SAS-12 RIM 1022.90

I.E. 8" S 1013.72
I.E. 8" N 1013.62

215 LF - 8" PVC @ 1.95%

178 LF - 8" PVC @ 4.1%

318 LF - 8" PVC @ 6.3%

TOP OF PROPOSED WATER MAIN

FLOW LINE OF PROPOSED SANITARY SEWER

FLOW LINE PROPOSED STORM SEWER

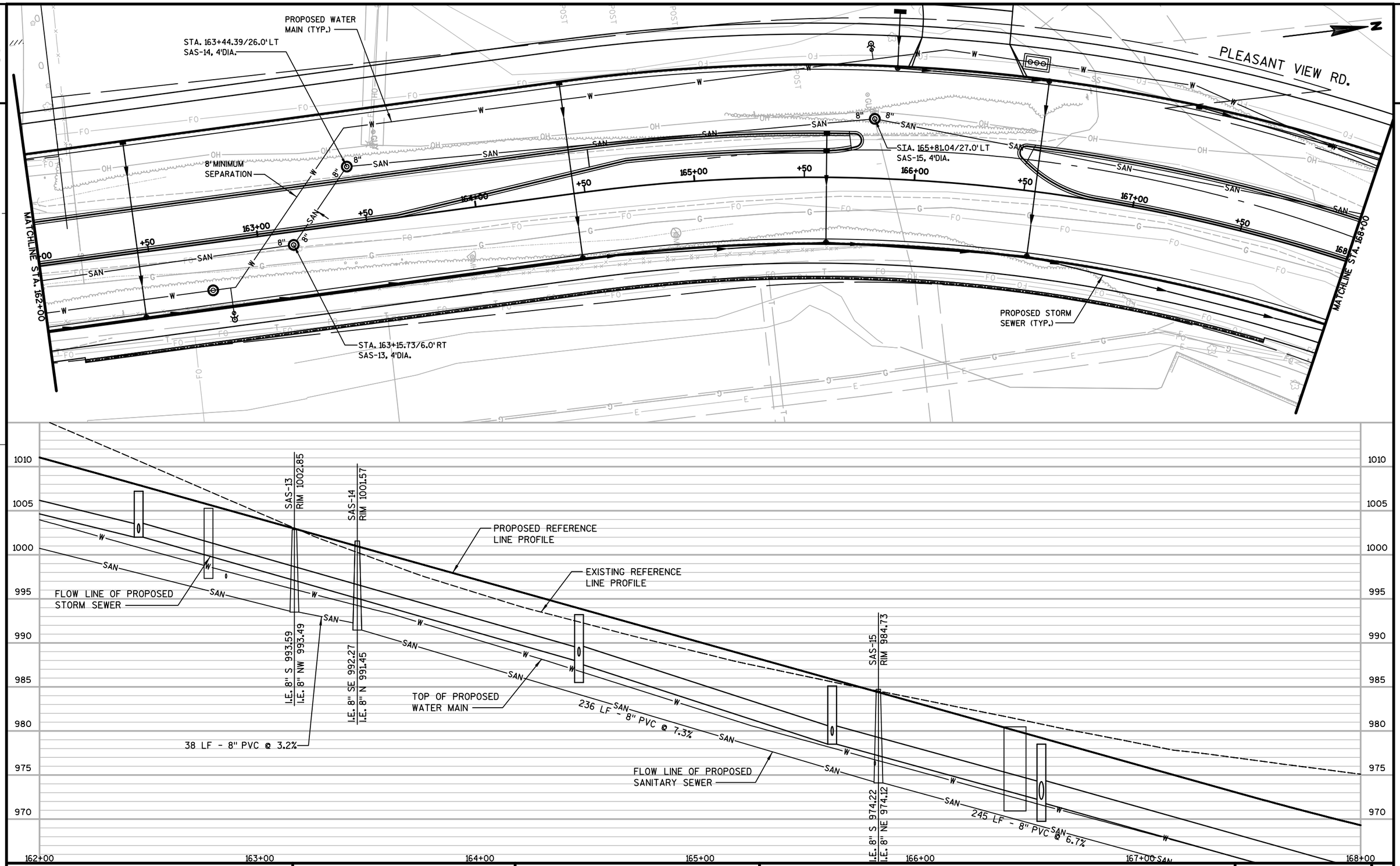
1040
1035
1030
1025
1020
1015
1010
1005
1000

156+00 157+00 158+00 159+00 160+00 161+00 162+00

PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	SANITARY SEWER UTILITY PLAN	SHEET 208	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023019_up.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 41



PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	SANITARY SEWER UTILITY PLAN	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023020_up.dgn PLOT DATE : 7/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 41

2

PLEASANT VIEW RD.

PROPOSED WATER MAIN (TYP.)

8' MINIMUM SEPARATION

STA. 171+20.81/68.83' LT
SAS-17, 4' DIA.

STUB-1
STA. 172+37.56/132.45' LT
SEWER STUB WITH END CAP

STA. 171+70.40/126.11' LT
SAS-18, 4' DIA.

STA. 168+24.01/26.0' LT
SAS-16, 4' DIA.

MATCHLINE STA. 168+00

PROPOSED STORM SEWER (TYP.)

PLEASANT VIEW RD.

EXISTING STUB-2
STA. 171+86.57/17.18' RT

STA. 171+89.00/32.25' RT
SAS-19, 4' DIA.

CONNECT TO EXISTING SANITARY SEWER WITH APPROPRIATE FITTING

SAS-16
RIM 967.98

PROPOSED REFERENCE LINE PROFILE

EXISTING REFERENCE LINE PROFILE

SAS-17
RIM 958.83

SAS-18
RIM 959.83

SAS-19
RIM 956.72

I.E. 8" SW 957.71
I.E. 8" NE 956.37

FLOW LINE OF PROPOSED STORM SEWER

FLOW LINE OF PROPOSED SANITARY SEWER

306 LF - 8" PVC @ 3.20%

79 LF - 10" PVC @ 0.4%

96 LF - 10" PVC @ 0.4%

TOP OF PROPOSED WATER MAIN

I.E. 8" SW 946.57 (DROP)
I.E. 8" SW 940.38
I.E. 10" E 940.28
I.E. 10" N 940.38

I.E. 10" S 940.70
I.E. 10" N 940.80 (STUB)

I.E. 10" W 939.90
I.E. 10" SE 939.80 (TAP)

970 965 960 955 950 945 940

168+00 169+00 170+00 171+00 172+00 173+00 174+00

PROJECT NO: 5992-11-02	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	SANITARY SEWER UTILITY PLAN	SHEET 210	E

2

N

PLEASANT VIEW ROAD

139+00

+00

+50

+50

140+00

+50

141+00

+50

142+00

+50

143+00

+50

144

MATCHLINE STA. 144+00

PLEASANT VIEW ROAD

MM

CC

KC

50+00 G

GREENWAY BLVD

51+0

MATCHLINE STA. 51+00 G

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLANTING - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023106_pl.dgn PLOT DATE : 4/26/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N

MATCHLINE STA. 144+00

+00 +50 145+00 +50 146+00 +50 147+00 +50 148+00 +50 149+00 +50 150

MATCHLINE STA. 150+00

PLEASANT VIEW ROAD

HB YW HC HT MM ER FM AM BO YW CC SW HC KC MM

SS

POST

POST

2

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLANTING - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023107_pl.dgn PLOT DATE : 3/6/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

2

N

MATCHLINE STA. 150+00

MATCHLINE STA. 156+00

+00 +50 151+00 +50 152+00 +50 153+00 +50 154+00 +50 155+00 +50 156

PLEASANT VIEW ROAD

WS WS WS

KC YW CC HC AM ER

ER HB AM HT YW CC FM HC BO MM ER SW

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLANTING - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023108_pl.dgn PLOT DATE : 3/6/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

WS 38

WS 8

CC HC AM ER FM YW CC BO MM HC SW YW AM KC

MATCHLINE STA. 156+00

+00 +50 157+00 +50 158+00 +50

PLEASANT VIEW ROAD

159+00 +50 160+00 +50 161+00 +50 162

MATCHLINE STA. 162+00

KC MM CC HB YW HC HT AM FM YW ER BO CC SW

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLANTING - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023109_pl.dgn PLOT DATE : 3/6/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N

PLEASANT VIEW ROAD

MATCHLINE STA. 162+00

MATCHLINE STA. 168+00

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLANTING - PLEASANT VIEW ROAD	SHEET 215	E

2

N

WS
21

ER

KC

CC

HC

HB

MATCHLINE STA. 168+00

PLEASANT VIEW ROAD

169+00

170+00

+50

171+00

172+00

173+00

174+00

MATCHLINE STA. 174+00

AM

SW

MM

QUARRY ROAD

MATCHLINE STA. 50+50 Q

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLANTING - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023111_pl.dgn PLOT DATE : 7/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N

PLEASANT VIEW ROAD

MATCHLINE STA. 174+00

MATCHLINE STA. 180+00

YW

AM

ER

CC

HT

MM

SS

175+00

+50

176+00

177+00

178+00

179+00

180+00

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLANTING - PLEASANT VIEW ROAD	SHEET 217	E

2

N

HC

PLEASANT VIEW ROAD

MATCHLINE STA. 180+00

00 +50 181+00 +50 182+00 +50 183+00 +50 184+00 +50 185+00 +50 186+00

99+00 U

100+00 U

101+00 U

+50

SS

USH 14 (UNIVERSITY AVE.)

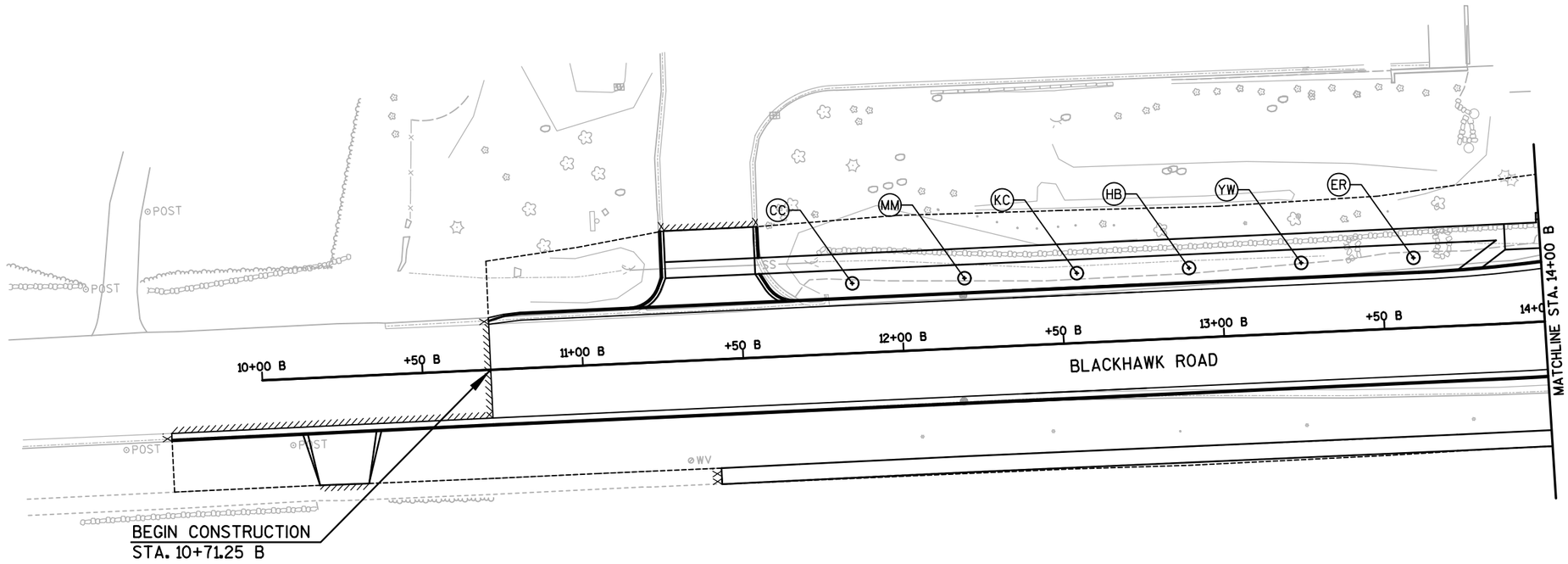
END PROJECT
STA. 182+12.38

END CONSTRUCTION
STA. 186+20.00

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	PLANTING - PLEASANT VIEW ROAD	SHEET 218	E

2

N



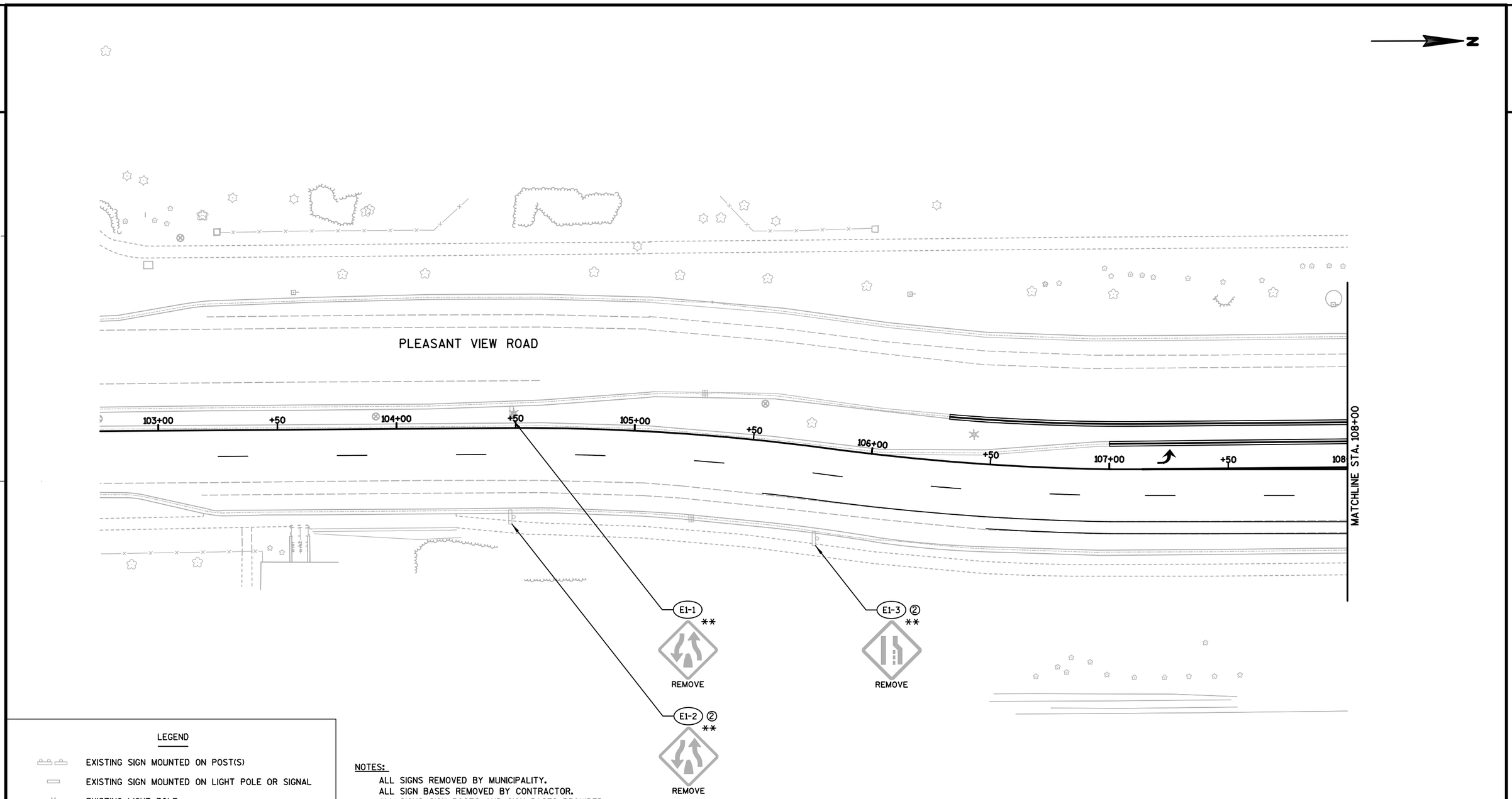
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLANTING - BLACKHAWK ROAD	SHEET 219	E

PLANT DATA CHART

SYM.	COMMON NAME	SCIENTIFIC NAME	TYPE	AVG. MATURE HEIGHT	SIZE WHEN PLANTED	ROOT ZONE MODE	MINIMUM SIZE				BRACE OR GUY	FERTILIZER UNITS REQUIRED	RODENT PROTECT REQUIRED	MULCH RING REQUIRED
							BALL OR POT SIZE		PLANT HOLE					
							Diameter	Depth	Diameter	Depth				
DECIDUOUS TREES														
CC	Chokecherry, Common	Prunus virginiana	3T	20-30' Ht.	1.5"Cal.	B&B	20"	12"	44"	12"	NO	4	NO	56"
HC	Hawthorn, Cockspur	Crataegus crusgalli	3T	20-30' Ht.	1.5"Cal.	B&B	20"	12"	44"	12"	NO	4	NO	56"
AM	Maple, Amur	Acer Ginnala	3T	20-30' Ht.	1.5"Cal.	B&B	20"	12"	44"	12"	NO	4	NO	56"
ER	Redbud, Eastern	Cercis canadensis	3T	20-30' Ht.	1.5"Cal.	B&B	20"	12"	44"	12"	NO	4	NO	56"
MM	Maple, Miyabei	Acer miyabei	2T	30'-50' Ht.	2"Cal.	B&B	24"	14"	48"	14"	NO	4	YES	60"
YW	Yellowwood	Fabaceae	2T	30'-50' Ht.	2"Cal.	B&B	24"	14"	48"	14"	NO	4	YES	60"
KC	Coffeetree, Kentucky	Gymnocladus dioicus	1T	50'-60' Ht.	2"Cal.	B&B	24"	14"	48"	14"	BRACE	4	YES	60"
HB	Hackberry, Common	Celtis occidentalis	2T	40'-60' Ht.	2"Cal.	B&B	24"	14"	48"	14"	BRACE	4	YES	60"
HT	Honeylocust, Common Thornless	Gleditsia triacanthos inermis	1T	40'-50' Ht.	2"Cal.	B&B	24"	14"	48"	14"	BRACE	4	YES	60"
FM	Maple, Freeman	Acer X Freemanii	1T	50'-60' Ht.	2"Cal.	B&B	24"	14"	48"	14"	BRACE	4	YES	60"
BO	Oak, Bur	Quercus macrocarpa	1T	75' Ht.	2"Cal.	B&B	24"	14"	48"	14"	BRACE	4	YES	60"
SW	Oak, Swamp White	Quercus bicolor	1T	40'-50' Ht.	2"Cal.	B&B	24"	14"	48"	14"	BRACE	4	YES	60"
EVERGREEN TREES														
WS	Spruce, White	Picea glauca	4E	55'	6' HT	B&B	22"	13"	46"	13"	NO	3	NO	58"

PLANT QUANTITIES TABLE

SYM.	BID ITEM NUMBER	COMMON NAME	SCIENTIFIC NAME	SIZE WHEN PLANTED	ROOT ZONE MODE	QUANTITIES									
						SHEET 1	SHEET 2	SHEET 3	SHEET 4	SHEET 5	SHEET 6	SHEET 7	SHEET 8	SHEET 9	TOTALS
DECIDUOUS TREES															
CC	632.0101.01	Chokecherry, Common	Prunus virginiana	1.5"Cal.	B&B	1	1	2	4	2	1	1	---	1	13
HC	632.0101.02	Hawthorn, Cockspur	Crataegus crusgalli	1.5"Cal.	B&B	---	2	2	3	3	1	---	1	---	12
AM	632.0101.03	Maple, Amur	Acer Ginnala	1.5"Cal.	B&B	---	1	2	3	2	1	1	---	---	10
ER	632.0101.04	Redbud, Eastern	Cercis canadensis	1.5"Cal.	B&B	---	1	3	2	2	1	1	---	1	11
MM	632.0101.05	Maple, Miyabei	Acer miyabei	2"Cal.	B&B	1	2	1	2	4	1	1	---	1	13
YW	632.0101.06	Yellowwood	Fabaceae	2"Cal.	B&B	---	2	2	4	3	---	1	---	1	13
KC	632.0101.07	Coffeetree, Kentucky	Gymnocladus dioicus	2"Cal.	B&B	1	1	1	2	1	1	---	---	1	8
HB	632.0101.08	Hackberry, Common	Celtis occidentalis	2"Cal.	B&B	---	1	1	1	2	1	---	---	1	7
HT	632.0101.09	Honeylocust, Common Thornless	Gleditsia triacanthos inermis	2"Cal.	B&B	---	1	1	1	2	---	1	---	---	6
FM	632.0101.10	Maple, Freeman	Acer X Freemanii	2"Cal.	B&B	---	1	1	2	2	---	---	---	---	6
BO	632.0101.11	Oak, Bur	Quercus macrocarpa	2"Cal.	B&B	---	1	1	2	2	---	---	---	---	6
SW	632.0101.12	Oak, Swamp White	Quercus bicolor	2"Cal.	B&B	---	1	1	2	1	1	---	---	---	6
EVERGREEN TREES															
WS	632.0101.13	Spruce, White	Picea glauca	6' HT	B&B	---	---	3	46	22	21	---	---	---	92



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- EXISTING LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- (X-XX) DENOTES PROPOSED SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER
- PROPOSED LIGHT POLE

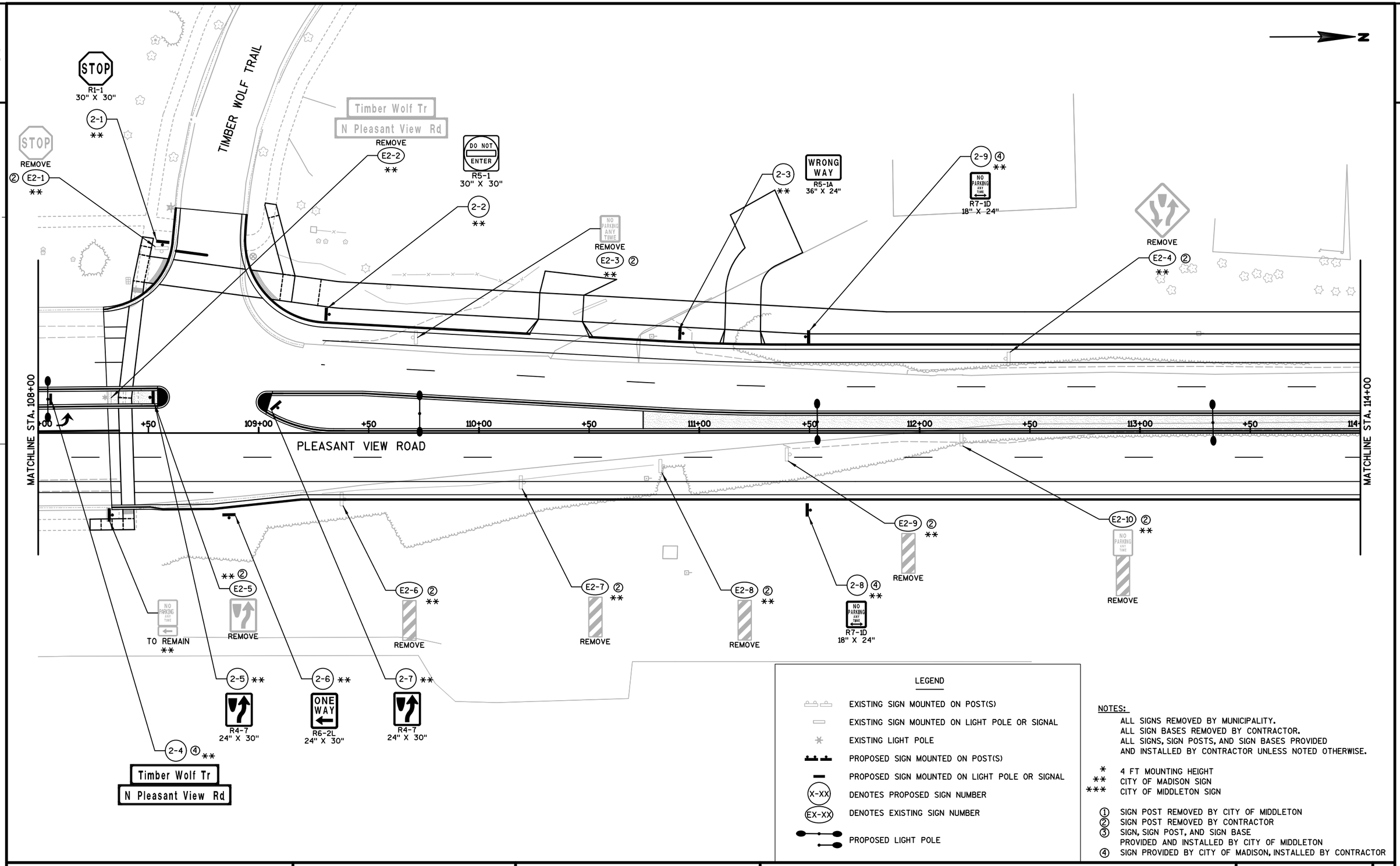
NOTES:

ALL SIGNS REMOVED BY MUNICIPALITY.
ALL SIGN BASES REMOVED BY CONTRACTOR.
ALL SIGNS, SIGN POSTS, AND SIGN BASES PROVIDED AND INSTALLED BY CONTRACTOR UNLESS NOTED OTHERWISE.

* 4 FT MOUNTING HEIGHT
** CITY OF MADISON SIGN
*** CITY OF MIDDLETON SIGN

① SIGN POST REMOVED BY CITY OF MIDDLETON
② SIGN POST REMOVED BY CONTRACTOR
③ SIGN, SIGN POST, AND SIGN BASE PROVIDED AND INSTALLED BY CITY OF MIDDLETON
④ SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PERMANENT SIGNING - PLEASANT VIEW ROAD	SHEET 221	E



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- EXISTING LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- (X-XX) DENOTES PROPOSED SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER
- PROPOSED LIGHT POLE

NOTES:

ALL SIGNS REMOVED BY MUNICIPALITY.
ALL SIGN BASES REMOVED BY CONTRACTOR.
ALL SIGNS, SIGN POSTS, AND SIGN BASES PROVIDED AND INSTALLED BY CONTRACTOR UNLESS NOTED OTHERWISE.

* 4 FT MOUNTING HEIGHT
** CITY OF MADISON SIGN
*** CITY OF MIDDLETON SIGN

① SIGN POST REMOVED BY CITY OF MIDDLETON
② SIGN POST REMOVED BY CONTRACTOR
③ SIGN, SIGN POST, AND SIGN BASE PROVIDED AND INSTALLED BY CITY OF MIDDLETON
④ SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PERMANENT SIGNING - PLEASANT VIEW ROAD	SHEET 222	E

2

N

PLEASANT VIEW ROAD

MATCHLINE STA. 114+00

MATCHLINE STA. 120+00

00 +50 115+00 +50 116+00 +50 117+00 +50 118+00 +50 119+00 +50 120

3-4 ④ **
NO PARKING ANY TIME
R7-1D
18" X 24"

3-3 ④ **
NO PARKING ANY TIME
R7-1D
18" X 24"

3-5 ④ **
NO PARKING ANY TIME
R7-1D
18" X 24"

3-6 **
3-1 **
SPEED LIMIT 35
R2-1
24" X 30"

3-2 ④ **
NO PARKING ANY TIME
R7-1D
18" X 24"

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- EXISTING LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- (X-XX) DENOTES PROPOSED SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER
- PROPOSED LIGHT POLE

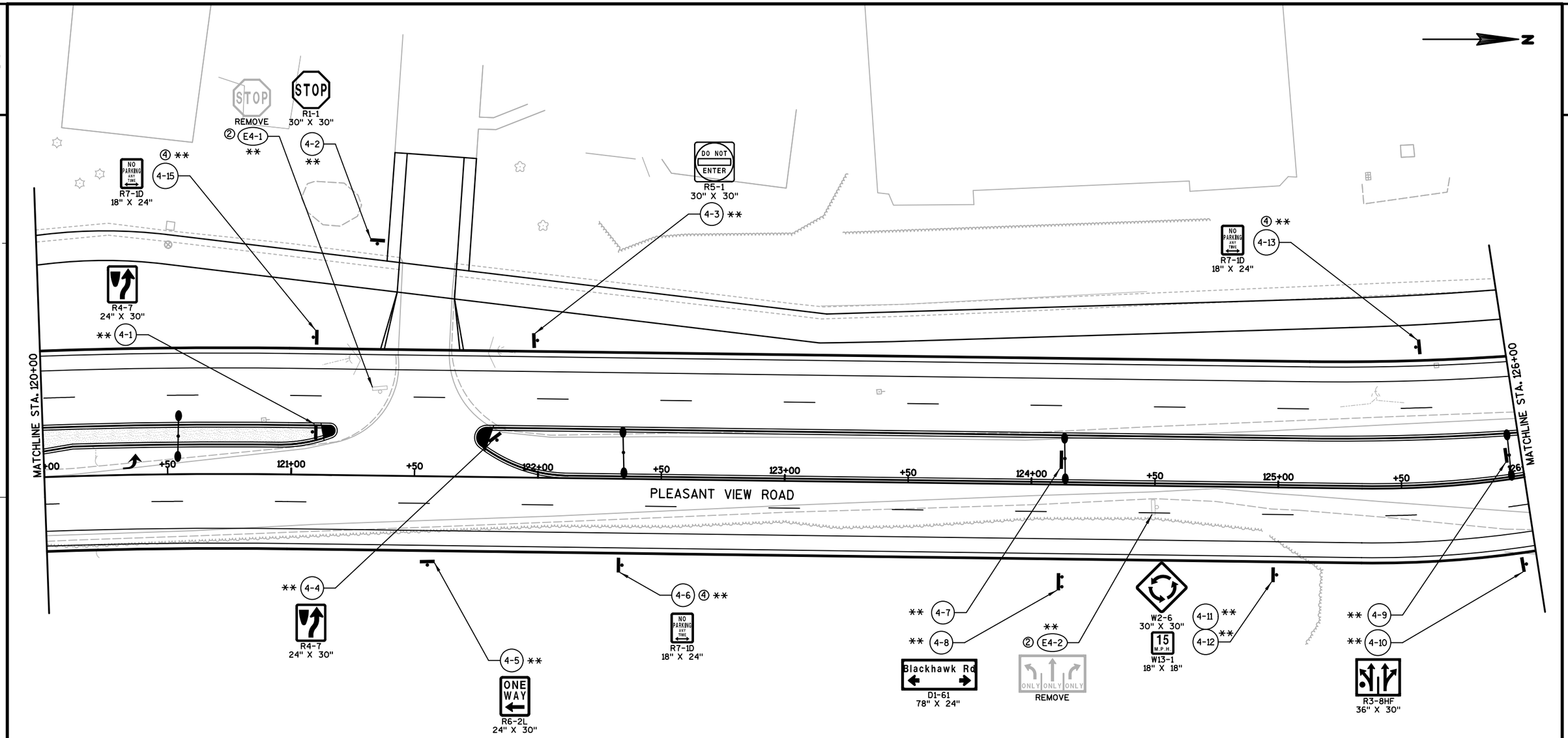
NOTES:

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ALL SIGN BASES REMOVED BY CONTRACTOR.
ALL SIGNS, SIGN POSTS, AND SIGN BASES PROVIDED AND INSTALLED BY CONTRACTOR UNLESS NOTED OTHERWISE.

* 4 FT MOUNTING HEIGHT
** CITY OF MADISON SIGN
*** CITY OF MIDDLETON SIGN

① SIGN POST REMOVED BY CITY OF MIDDLETON
② SIGN POST REMOVED BY CONTRACTOR
③ SIGN, SIGN POST, AND SIGN BASE PROVIDED AND INSTALLED BY CITY OF MIDDLETON
④ SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PERMANENT SIGNING - PLEASANT VIEW ROAD	SHEET 223	E



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- EXISTING LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- (X-XX) DENOTES PROPOSED SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER
- PROPOSED LIGHT POLE

NOTES:

ALL SIGNS REMOVED BY MUNICIPALITY.
ALL SIGN BASES REMOVED BY CONTRACTOR.
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* 4 FT MOUNTING HEIGHT
** CITY OF MADISON SIGN
*** CITY OF MIDDLETON SIGN

① SIGN POST REMOVED BY CITY OF MIDDLETON
② SIGN POST REMOVED BY CONTRACTOR
③ SIGN, SIGN POST, AND SIGN BASE PROVIDED AND INSTALLED BY CITY OF MIDDLETON
④ SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PERMANENT SIGNING - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023204_ps.dgn PLOT DATE : 3/8/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 42

2

N

MATCHLINE STA. 14+00 B

BLACKHAWK ROAD

+50 B

15+00 B

16+00 B

17+00 B

MATCHLINE STA. 17+50 B

MATCHLINE STA. 126+00

MATCHLINE STA. 132+00

PLEASANT VIEW ROAD

126+00

+00

127+00

+50

128+00

129+00

130+00

131+00

132

Blackhawk Rd

N Pleasant View Rd

N Pleasant View Rd

Blackhawk Rd

Blackhawk Rd

NO PARKING ANY TIME

SPEED LIMIT 35

ONLY LEFT LANE

NO PARKING ANY TIME

REMOVE

E5-1 ② **

E5-2 **

E5-3 **

E5-4 ② **

E5-5 **

E5-6 ② **

E5-7 **

E5-8 ② **

E5-9 **

E5-10 ② **

E5-11 ② **

E5-12 ② **

SS

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- EXISTING LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- (X-XX) DENOTES PROPOSED SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER
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* 4 FT MOUNTING HEIGHT
** CITY OF MADISON SIGN
*** CITY OF MIDDLETON SIGN

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④ SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	SIGNING REMOVALS - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023205_ps.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

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* 4 FT MOUNTING HEIGHT
** CITY OF MADISON SIGN
*** CITY OF MIDDLETON SIGN

① SIGN POST REMOVED BY CITY OF MIDDLETON
② SIGN POST REMOVED BY CONTRACTOR
③ SIGN, SIGN POST, AND SIGN BASE PROVIDED AND INSTALLED BY CITY OF MIDDLETON
④ SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR

MATCHLINE STA. 14+00 B

BLACKHAWK ROAD

MATCHLINE STA. 17+50 B

MATCHLINE STA. 126+00

MATCHLINE STA. 132+00

PLEASANT VIEW ROAD

5-1 ** ONE WAY R6-1R 36" X 12" * R6-4B 48" X 18"
5-2 **
5-3 ** SPEED LIMIT 35 R2-1 24" X 30"
5-4 ** Pleasant View Rd D1-1 108" X 15"
5-5 ** W11-2 30" X 30" W16-7R 24" X 12"
5-6 **
5-7 ** W11-2 30" X 30" W16-7L 24" X 12"
5-8 **
5-9 ** R1-2 36" X 31"
5-10 **
5-11 ** W11-2 30" X 30" W16-7L 24" X 12"
5-12 **
5-13 ** R4-7 24" X 30"
5-14 ** Blackhawk Rd D1-1 90" X 15"
5-15 ** W11-2 30" X 30" W16-7L 24" X 12"
5-16 **
5-17 ** ONE WAY R6-1R 36" X 12" * R6-4B 48" X 18"
5-18 **
5-19 ** R1-2 36" X 31"
5-20 **
5-21 ** W11-2 30" X 30" W16-7L 24" X 12"
5-22 **
5-23 ** W11-2 30" X 30" W16-7R 24" X 12"
5-24 **
5-25 ** R3-8HF 36" X 30"
5-26 **
5-27 ** W11-2 30" X 30" W16-7R 24" X 12"
5-28 **
5-29 ** W11-2 30" X 30" W16-7L 24" X 12"
5-30 **
5-31 ** R1-2 36" X 31"
5-32 **
5-33 ** ONE WAY R6-1R 36" X 12" * R6-4B 48" X 18"
5-34 **
5-35 **
5-36 ** W11-2 30" X 30" W16-7L 24" X 12"
5-37 **
5-38 ** R4-7 24" X 30"
5-39 **
5-40 **
5-41 ** W11-2 30" X 30" W16-7L 24" X 12"
5-42 **
5-43 **
5-44 ** ONE WAY R6-1R 36" X 12" * R6-4B 48" X 18"
5-45 ** W11-2 30" X 30" W16-7R 24" X 12"
5-46 **
5-47 ** W11-2 30" X 30" W16-7L 24" X 12"
5-48 **
5-49 ** SPEED LIMIT 35 R2-1 24" X 30"
5-50 ④ ** NO PARKING ANY TIME R7-1D 18" X 24"
5-51 **
5-52 Pleasant View Rd D1-1 108" X 15"
5-53 **

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- EXISTING LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- X-XX DENOTES PROPOSED SIGN NUMBER
- EX-XX DENOTES EXISTING SIGN NUMBER
- PROPOSED LIGHT POLE

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PERMANENT SIGNING - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : \\strand.com\projects\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023205a_ps.dgn PLOT DATE : 3/8/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

W2-6
30" X 30"
15 M.P.H.
W13-1
18" X 18"

6-3 **
6-4 **

Blackhawk Rd
D1-61
78" X 24"

6-1 **
6-2 **

REMOVE
E6-1 **
②

*** 6-6
③ NO PARKING
R8-3A
24" X 24"

MATCHLINE STA. 132+00

133+00 +50 134+00 +50 135+00 +50 136+00 +50 137+00 +50 138

MATCHLINE STA. 138+00

PLEASANT VIEW ROAD

② E6-2 **
REMOVE

④ 6-5 **
NO PARKING ANY TIME
R7-1D
18" X 24"

③ 6-7 ***
Greenway Blvd
D1-1
96" X 15"

③ 6-8 ***
6-9 ***
W2-6
30" X 30"
15 M.P.H.
W13-1
18" X 18"

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- EXISTING LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- X-XX DENOTES PROPOSED SIGN NUMBER
- EX-XX DENOTES EXISTING SIGN NUMBER
- PROPOSED LIGHT POLE

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* 4 FT MOUNTING HEIGHT
** CITY OF MADISON SIGN
*** CITY OF MIDDLETON SIGN

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② SIGN POST REMOVED BY CONTRACTOR
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④ SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PERMANENT SIGNING - PLEASANT VIEW ROAD	SHEET 227	E

2

N

PLEASANT VIEW ROAD

MATCHLINE STA. 138+00

MATCHLINE STA. 144+00

138+00

+50

139+00

+50

140+00

+50

141+00

+50

142+00

+50

143+00

+50

144+

① *** E7-1

CITY OF MIDDLETON

NIGHT PARKING REGULATION IN EFFECT NOV. 15 TO MAR.15

REMOVE

① *** E7-2

Greenway Blvd

Pleasant View Rd

STOP

REMOVE

NO PARKING

REMOVE

*** E7-3 ①

① E7-4 ***

NO PARKING

REMOVE

① E7-5 ***

STOP

REMOVE

① E7-6 ***

SPEED LIMIT 35

REMOVE

GREENWAY BLVD

50+00 G

+50 G

51+00

MATCHLINE STA. 51+00 G

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- EXISTING LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- (X-XX) DENOTES PROPOSED SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER
- PROPOSED LIGHT POLE

NOTES:

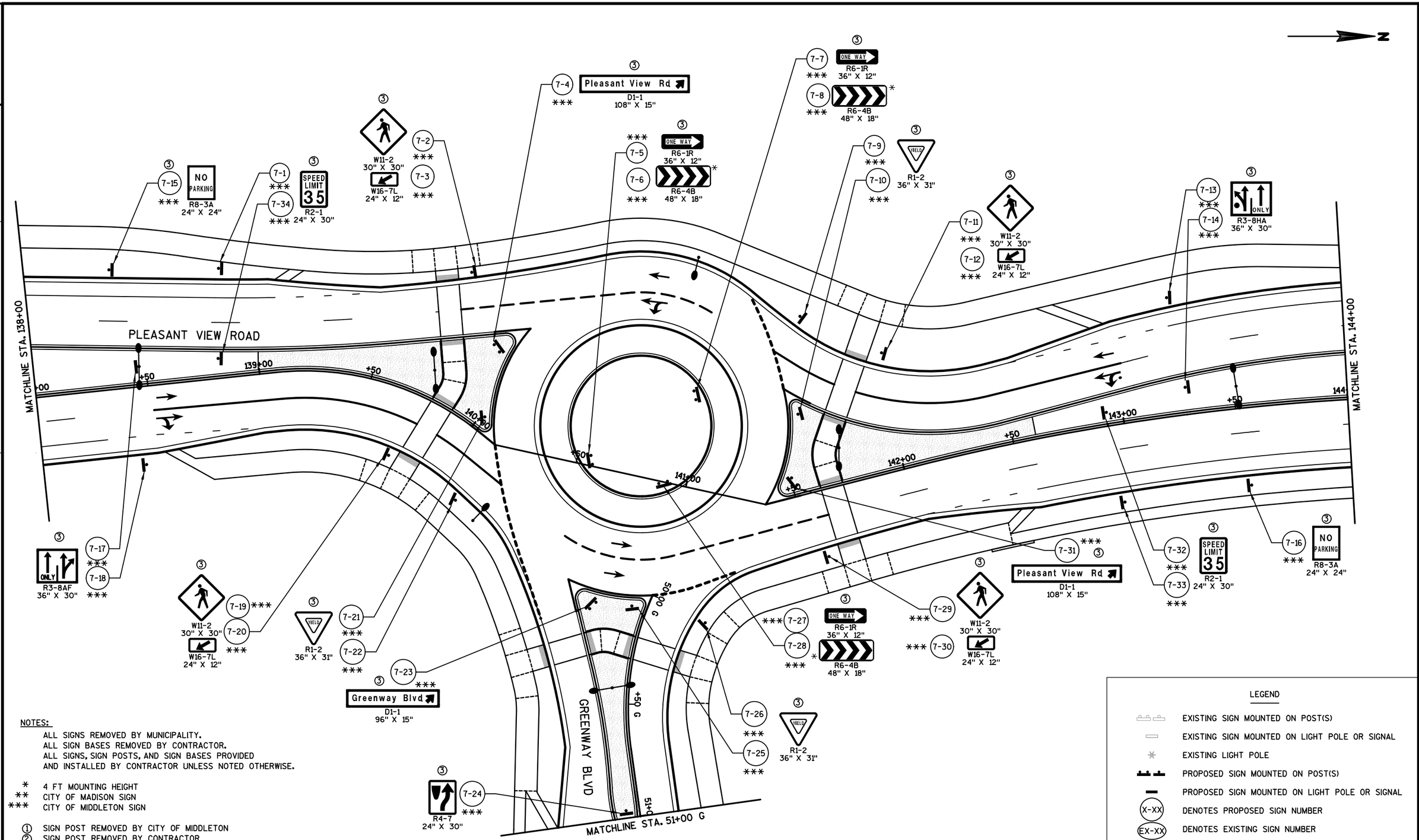
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* 4 FT MOUNTING HEIGHT
** CITY OF MADISON SIGN
*** CITY OF MIDDLETON SIGN

① SIGN POST REMOVED BY CITY OF MIDDLETON
② SIGN POST REMOVED BY CONTRACTOR
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④ SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	SIGNING REMOVALS - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023207_ps.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



NOTES:

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* 4 FT MOUNTING HEIGHT
** CITY OF MADISON SIGN
*** CITY OF MIDDLETON SIGN

① SIGN POST REMOVED BY CITY OF MIDDLETON
② SIGN POST REMOVED BY CONTRACTOR
③ SIGN, SIGN POST, AND SIGN BASE PROVIDED AND INSTALLED BY CITY OF MIDDLETON
④ SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- EXISTING LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- (X-XX) DENOTES PROPOSED SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER
- PROPOSED LIGHT POLE

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PERMANENT SIGNING - PLEASANT VIEW ROAD	SHEET 229	E

2

N

③ W2-6 30" X 30"
*** 8-2
8-3 15 M.P.H. W13-1 18" X 18"
*** ***

③ Greenway Blvd D1-1 96" X 15"
*** 8-1

③ NO PARKING R8-3A 24" X 24"
*** 8-4

③ STOP R1-1 30" X 30" ***
8-6

STOP REMOVE
① E8-1 ***

③ DO NOT ENTER R5-1 30" X 30"
8-7 ***

MATCHLINE STA. 144+00

PLEASANT VIEW ROAD

+00 +50 145+00 +50 146+00 +50 147+00 +50 148+00 +50 149+00 +50 150

MATCHLINE STA. 150+00

*** 8-5 ③ NO PARKING R8-3A 24" X 24"

③ ONE WAY R6-2L 24" X 30" *** 8-8

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- EXISTING LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- X-XX DENOTES PROPOSED SIGN NUMBER
- EX-XX DENOTES EXISTING SIGN NUMBER
- PROPOSED LIGHT POLE

NOTES:

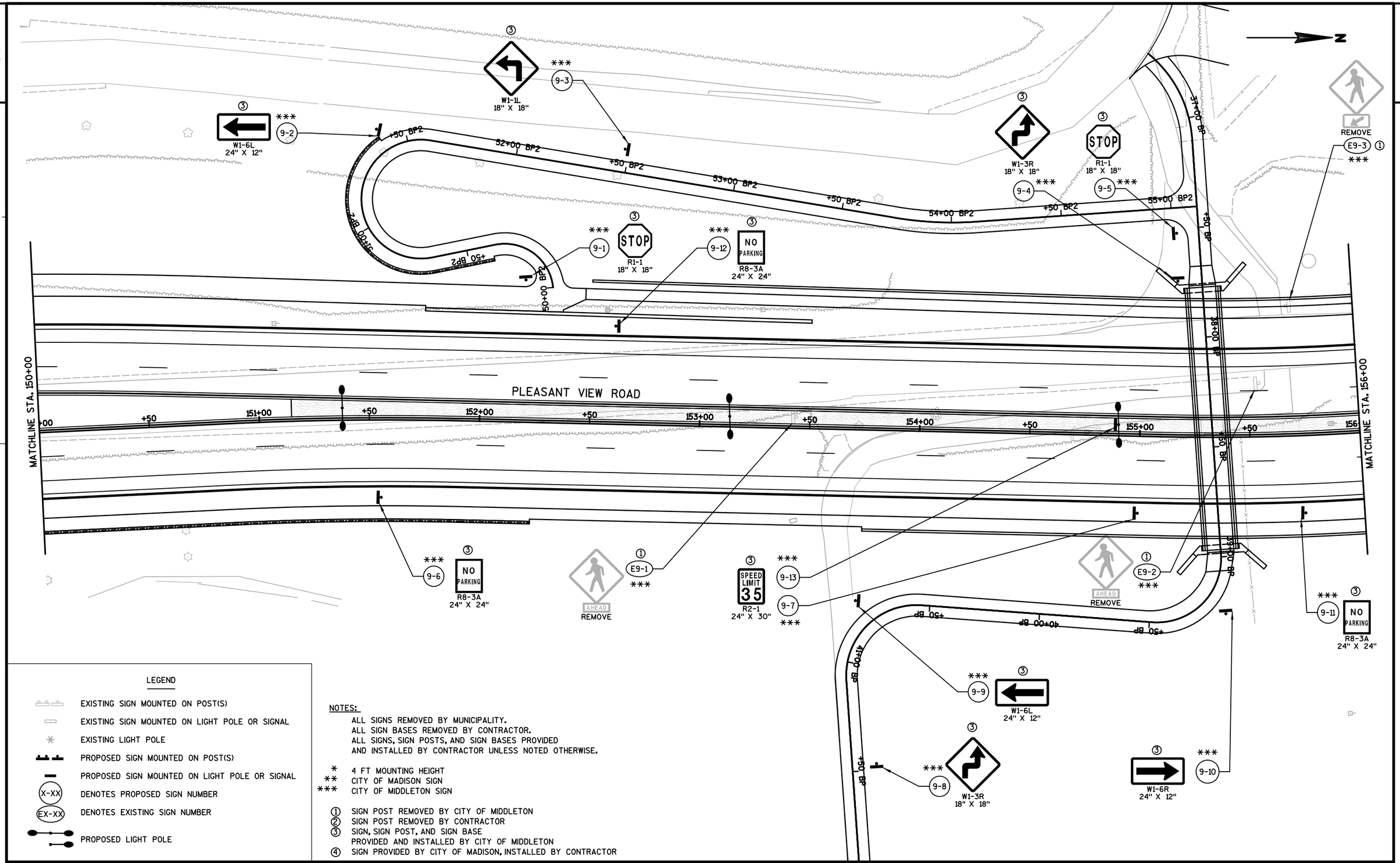
ALL SIGNS REMOVED BY MUNICIPALITY.
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* 4 FT MOUNTING HEIGHT
** CITY OF MADISON SIGN
*** CITY OF MIDDLETON SIGN

① SIGN POST REMOVED BY CITY OF MIDDLETON
② SIGN POST REMOVED BY CONTRACTOR
③ SIGN, SIGN POST, AND SIGN BASE PROVIDED AND INSTALLED BY CITY OF MIDDLETON
④ SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PERMANENT SIGNING - PLEASANT VIEW ROAD	SHEET 230	E

2



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- EXISTING LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- (X-XX) DENOTES PROPOSED SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER
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** CITY OF MADISON SIGN
*** CITY OF MIDDLETON SIGN

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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PERMANENT SIGNING - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023209_ps.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

PLEASANT VIEW ROAD

MATCHLINE STA. 156+00

MATCHLINE STA. 162+00

156+00 +50 157+00 +50 158+00 +50 159+00 +50 160+00 +50 161+00 +50 162

③ SPEED LIMIT 35 R2-1 24" X 30"
*** 10-1
*** 10-6

*** 10-3 ③ NO PARKING R8-3A 24" X 24"

① E10-1 AHEAD *** REMOVE

③ ONE WAY R6-2L 24" X 30"
10-2 ***

*** 10-5 ③ NO PARKING R8-3A 24" X 24"

① E10-2 *** REMOVE

TRUCK ENTRANCE ① E10-3 *** REMOVE

*** 10-4 ③ NO PARKING R8-3A 24" X 24"

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- EXISTING LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- (X-XX) DENOTES PROPOSED SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER
- PROPOSED LIGHT POLE

NOTES:

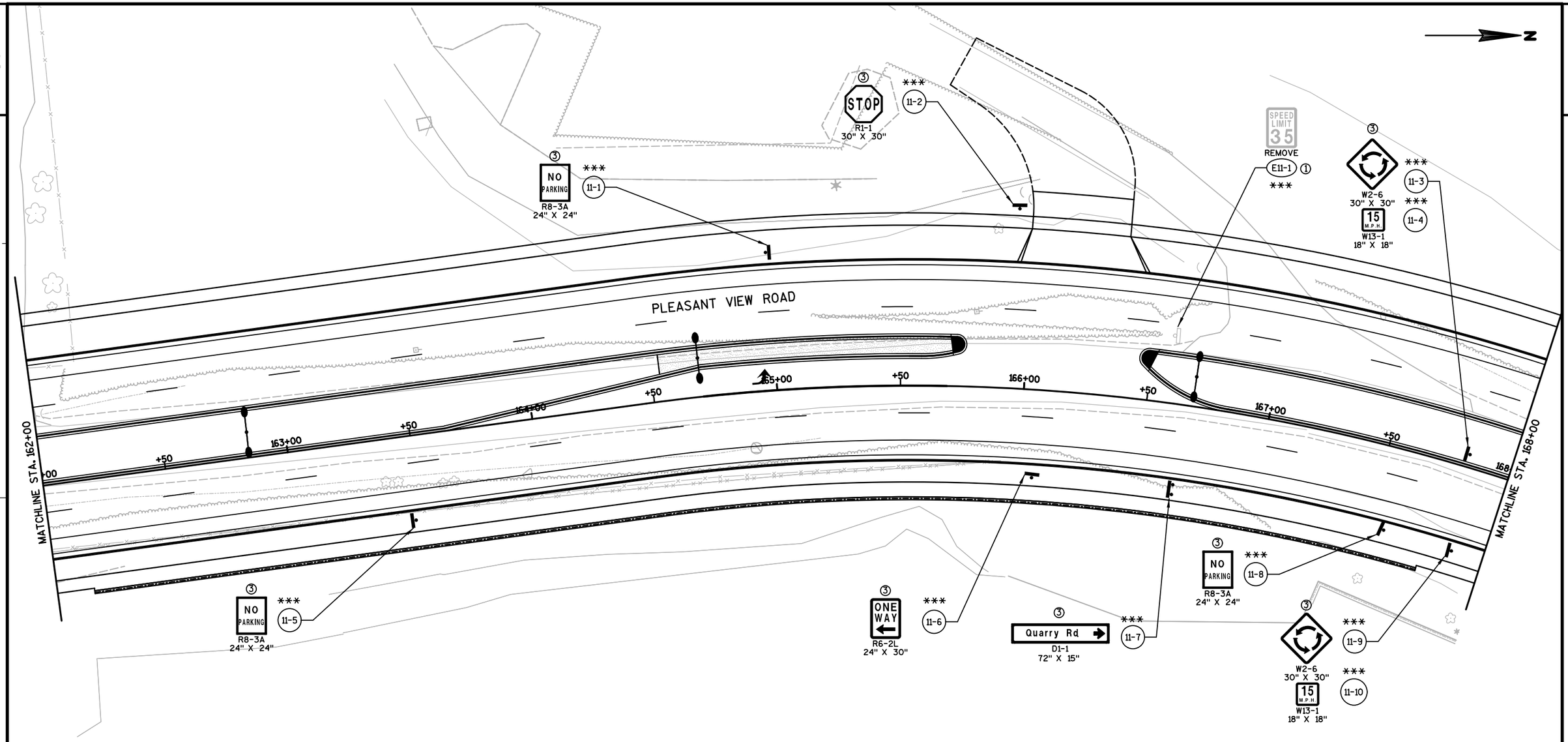
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* 4 FT MOUNTING HEIGHT
** CITY OF MADISON SIGN
*** CITY OF MIDDLETON SIGN

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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PERMANENT SIGNING - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023210_ps.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- EXISTING LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- (X-XX) DENOTES PROPOSED SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER
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** CITY OF MADISON SIGN
*** CITY OF MIDDLETON SIGN

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④ SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PERMANENT SIGNING - PLEASANT VIEW ROAD	SHEET 233	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023211_ps.dgn PLOT DATE : 7/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

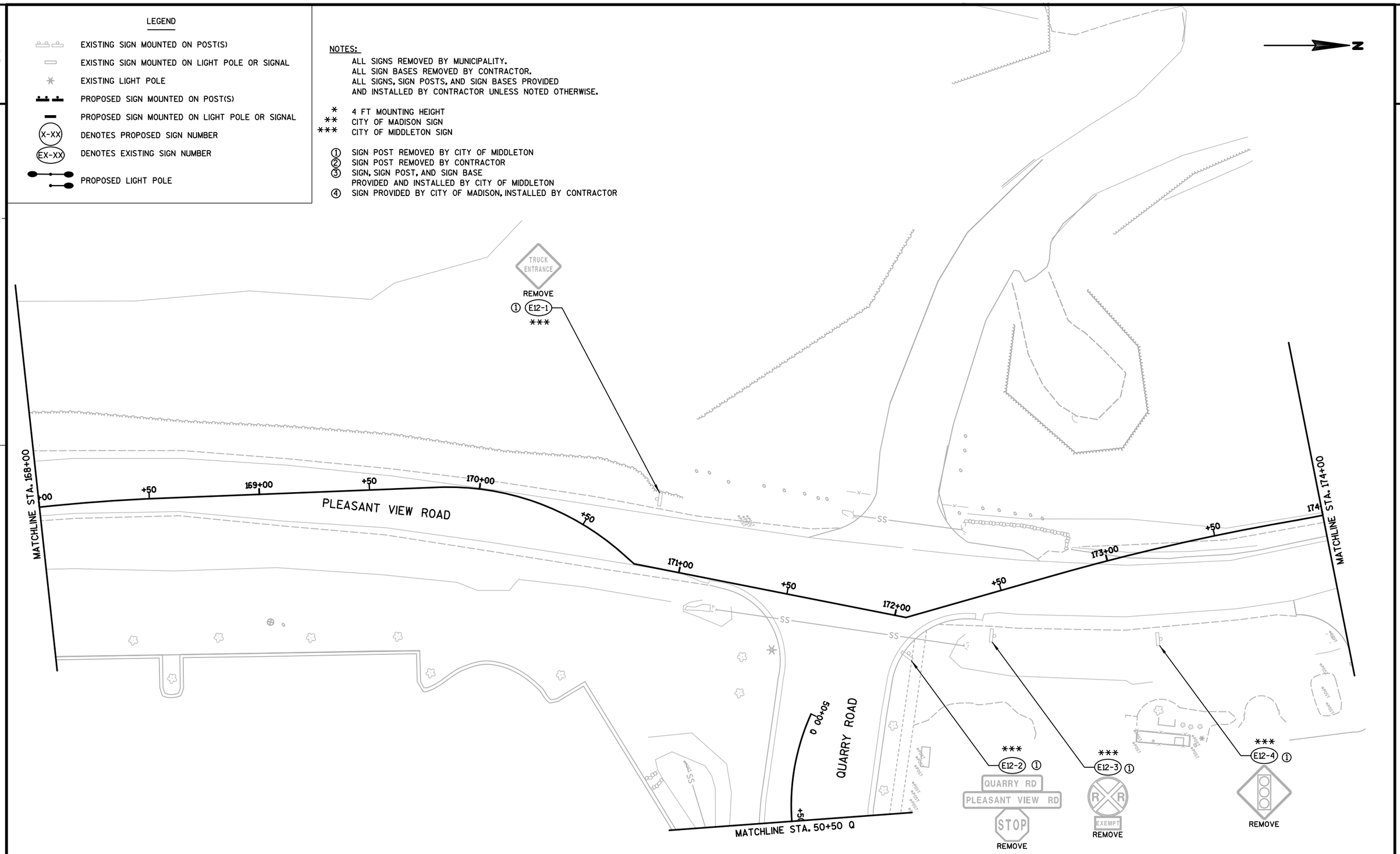
- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- EXISTING LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- (X-XX) DENOTES PROPOSED SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER
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* 4 FT MOUNTING HEIGHT
** CITY OF MADISON SIGN
*** CITY OF MIDDLETON SIGN

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④ SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	SIGNING REMOVALS - PLEASANT VIEW ROAD	SHEET 234	E

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- EXISTING LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- (X-XX) DENOTES PROPOSED SIGN NUMBER
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* 4 FT MOUNTING HEIGHT
** CITY OF MADISON SIGN
*** CITY OF MIDDLETON SIGN

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② SIGN POST REMOVED BY CONTRACTOR
③ SIGN, SIGN POST, AND SIGN BASE PROVIDED AND INSTALLED BY CITY OF MIDDLETON
④ SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR

N

③ NO PARKING R8-3A 24" X 24" — 12-1 ***
③ SPEED LIMIT 35 R2-1 24" X 30" — 12-2 ***, 12-29 ***
③ Pleasant View Rd D1-1 108" X 15" — 12-3 ***
③ ONE WAY R6-1R 36" X 12" * R6-4B 48" X 18" — 12-4 ***, 12-5 ***
③ ONE WAY R6-1R 36" X 12" * R6-4B 48" X 18" — 12-6 ***, 12-7 ***
③ YIELD R1-2 36" X 31" — 12-10 ***
③ ONE WAY R6-1R 36" X 12" * R6-4B 48" X 18" — 12-8 ***, 12-9 ***
③ ONE WAY R6-1R 36" X 12" * R6-4B 48" X 18" — 12-31 ***, 12-11 ***
③ YIELD R1-2 36" X 31" — 12-12 ***
③ YIELD R1-2 36" X 31" — 12-13 ***
③ R3-8HF 36" X 30" — 12-14 ***, 12-15 ***
MATCHLINE STA. 168+00
169+00
170+00
PLEASANT VIEW ROAD
171+00
172+00
173+00
174+00
MATCHLINE STA. 174+00
+50
③ NO PARKING R8-3A 24" X 24" — 12-19 ***
③ YIELD R1-2 36" X 31" — 12-20 ***
③ YIELD R1-2 36" X 31" — 12-21 ***
③ Quarry Rd D1-1 72" X 15" — 12-22 ***
③ R4-7 24" X 30" — 12-23 ***
③ R3-8HF 36" X 30" — 12-17 ***, 12-18 ***
QUARRY ROAD
Stop
MATCHLINE STA. 50+50 Q
③ YIELD R1-2 36" X 31" — 12-25 ***
③ YIELD R1-2 36" X 31" — 12-24 ***
③ SPEED LIMIT 35 R2-1 24" X 30" — 12-26 ***, 12-30 ***
③ NO PARKING R8-3A 24" X 24" — 12-27 ***
12-28 *** Pleasant View Rd D1-1 108" X 15"

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PERMANENT SIGNING - PLEASANT VIEW ROAD	SHEET 235	E

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- EXISTING LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- (X-XX) DENOTES PROPOSED SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER
- PROPOSED LIGHT POLE

NOTES:

ALL SIGNS AND SIGN POSTS REMOVED BY CITY OF MIDDLETON.
ALL SIGN BASES REMOVED BY CONTRACTOR.
ALL SIGNS, SIGN POSTS, AND SIGN BASES PROVIDED AND INSTALLED BY CONTRACTOR UNLESS NOTED OTHERWISE.

* 4 FT MOUNTING HEIGHT
*** CITY OF MIDDLETON SIGN

① SIGN, SIGN POST, AND SIGN BASE PROVIDED AND INSTALLED BY CITY OF MIDDLETON

N

PLEASANT VIEW ROAD

MATCHLINE STA. 174+00

MATCHLINE STA. 180+00

175+00 +50 176+00 +50 177+00 +50 178+00 +50 179+00 +50 180

① *** 13-1 W2-6 30" X 30"
*** 13-2 15 M.P.H. W13-1 18" X 18"

① Quarry Road NEXT INTERSECTION D1-63 78" X 21"

① *** 13-12 NO PARKING R8-3A 24" X 24"

① *** 13-13 NO PARKING R8-3A 24" X 24"

*** 13-4

REMOVE E13-2 ***

① *** 13-3 ONE WAY R6-2R 24" X 30"

① *** 13-11 NO PARKING R8-3A 24" X 24"

*** 13-5 ① ONLY ONLY R3-8 LAF 54" X 30"

E13-1

Builders FirstSource
REMOVING COMMERCIAL SIGN REQ'D.

13-10 WRONG WAY R5-1A 36" X 24"

13-8 W10-1 36" X 36" EXEMPT W10-1A 24" X 12"

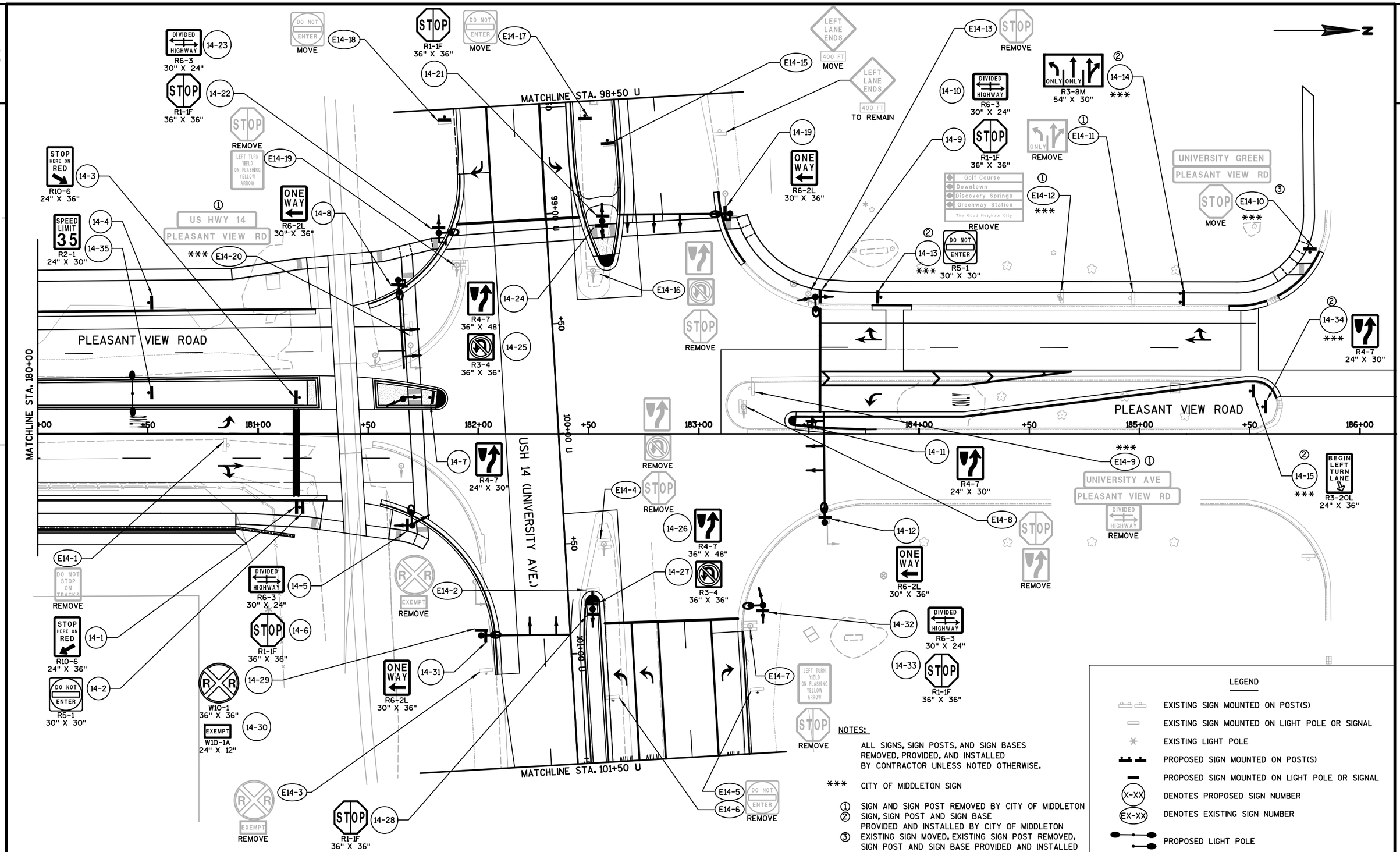
13-9

E13-3 Athletic Fields / Capital Ice Arena / Downtown / Discovery Springs / Greenway Station / The Good Neighbor City
REMOVE

13-6 W10-1 36" X 36" EXEMPT W10-1A 24" X 12"

13-7

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PERMANENT SIGNING - PLEASANT VIEW ROAD	SHEET 236	E



PROJECT NO: 5310-02-75	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PERMANENT SIGNING - PLEASANT VIEW ROAD	SHEET 237	E

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- EXISTING LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- (X-XX) DENOTES PROPOSED SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER
- PROPOSED LIGHT POLE

NOTES:

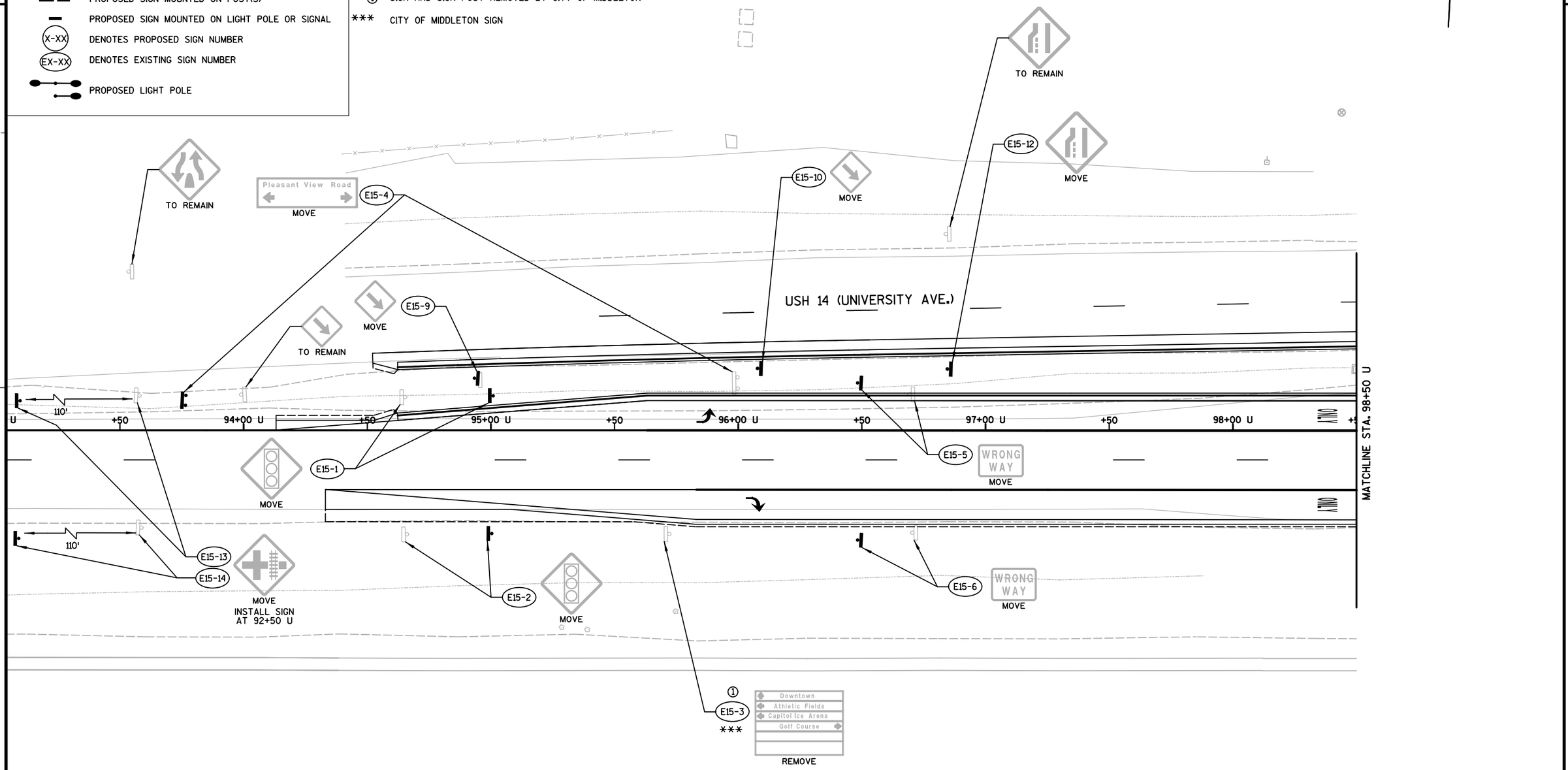
ALL SIGNS, POSTS AND BASES REMOVED BY CONTRACTOR UNLESS NOTED OTHERWISE.

ALL SIGNS, SIGN POSTS, AND SIGN BASES PROVIDED AND INSTALLED BY CONTRACTOR UNLESS NOTED OTHERWISE.

① SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON

*** CITY OF MIDDLETON SIGN

N



PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	PERMANENT SIGNING - USH 14	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023215_ps.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

E16-4

WRONG WAY
MOVE

16-1

DO NOT ENTER
R5-1
36" X 36"

Pleasant View Road
MOVE

E16-5

Golf Course
Athletic Fields
Business Park
Capitol Ice Arena
TO REMAIN

EXEMPT
TO REMAIN

EXEMPT
MOVE

E16-7

MATCHLINE STA. 101+50 U

102+00 U | +50 | 103+00 U | +50 | 104+00 U | +50 | 105+00 U | +50 | 106+00 U | +50 | 107+00 U | +50

120'

USH 14 (UNIVERSITY AVE.)

E16-3

SPEED LIMIT 45
MOVE

BEGIN LEFT TURN LANE
R3-20L
36" X 54"
INSTALL SIGN
AT 108+50 U

16-2

SPEED LIMIT 45
TO REMAIN

WRONG WAY
MOVE

E16-1

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- EXISTING LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- (X-XX) DENOTES PROPOSED SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER
- PROPOSED LIGHT POLE

NOTES:

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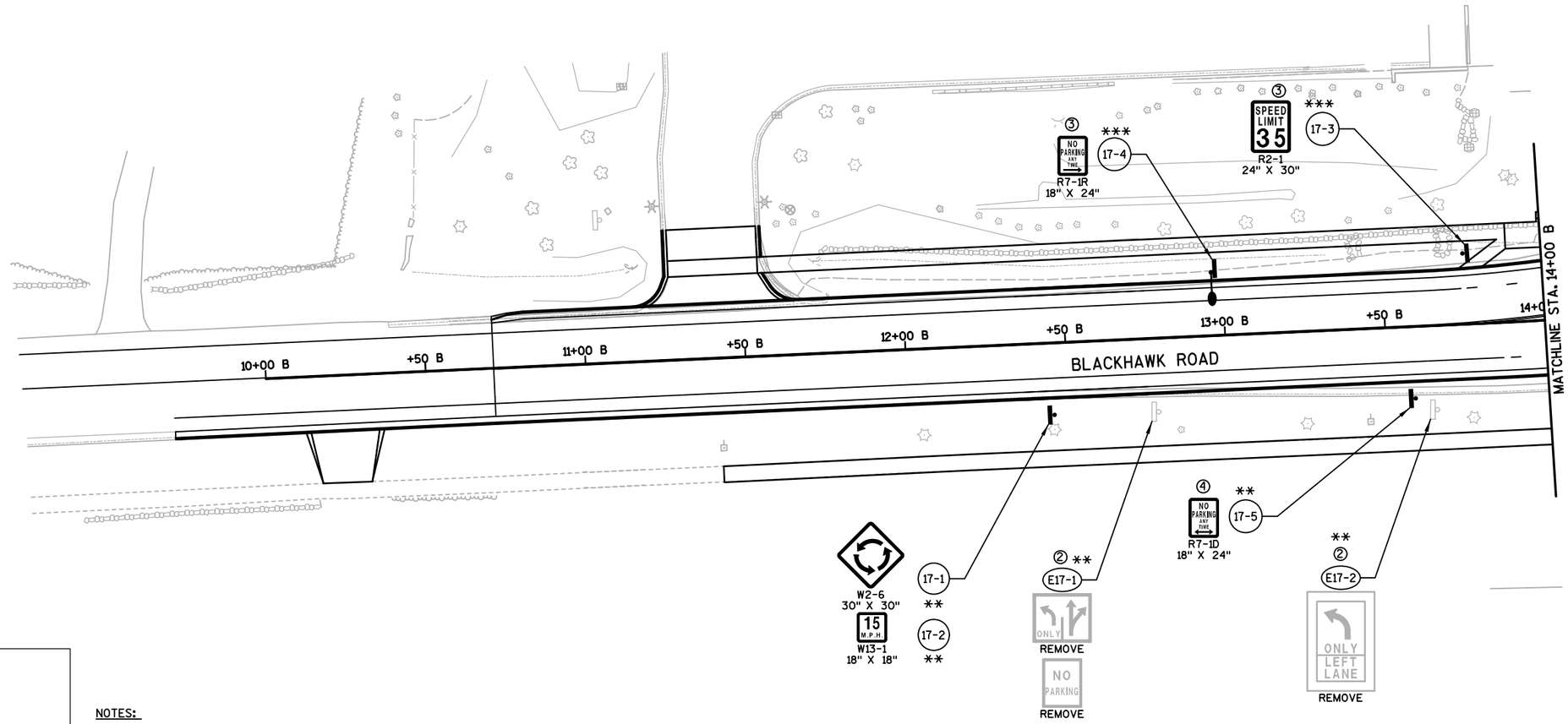
ALL SIGNS, SIGN POSTS, AND SIGN BASES PROVIDED AND INSTALLED BY CONTRACTOR UNLESS NOTED OTHERWISE.

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	PERMANENT SIGNING - USH 14	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023216_ps.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- EXISTING LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- (X-XX) DENOTES PROPOSED SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER
- PROPOSED LIGHT POLE

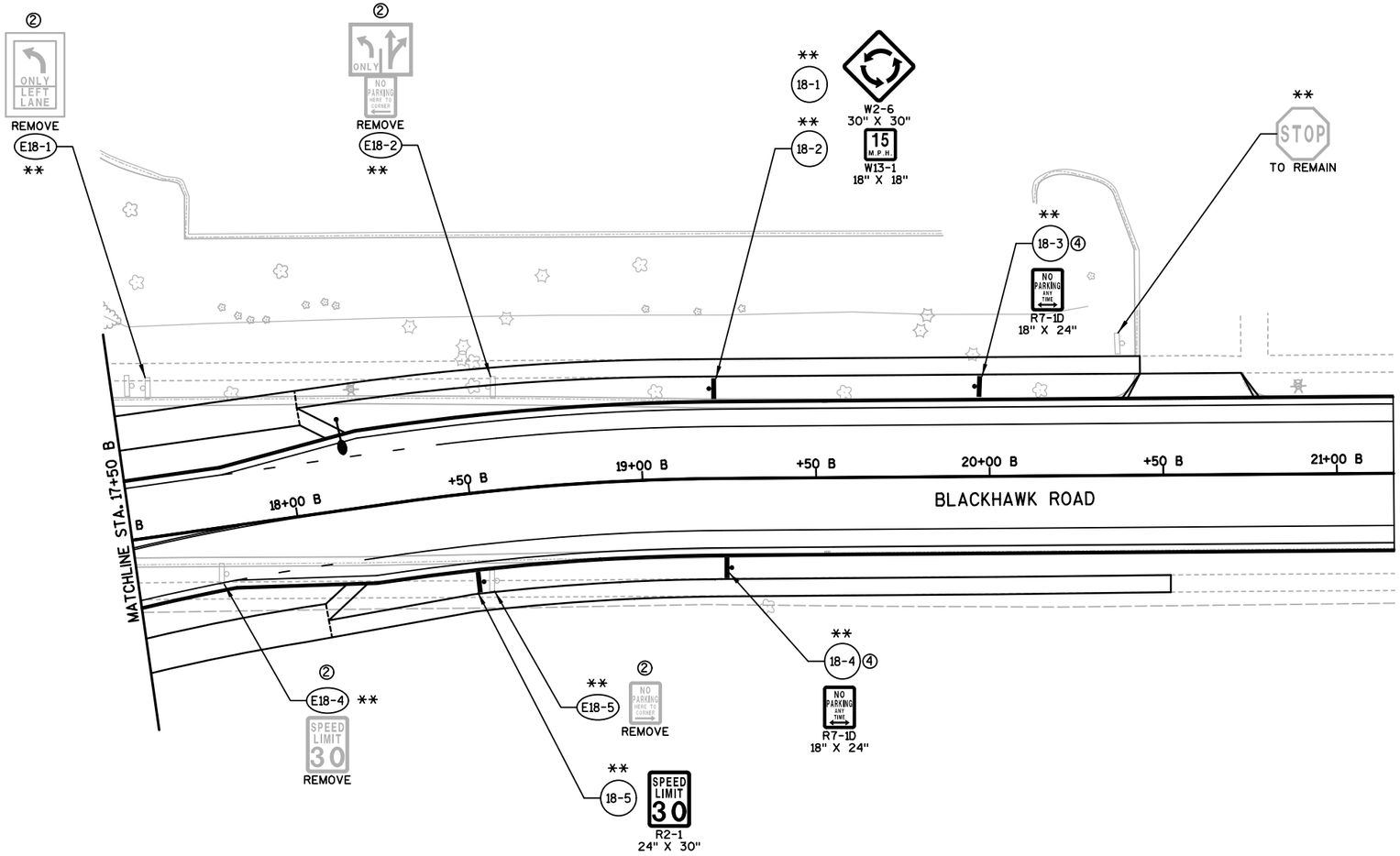
NOTES:

ALL SIGNS REMOVED BY MUNICIPALITY.
ALL SIGN BASES REMOVED BY CONTRACTOR.
ALL SIGNS, SIGN POSTS, AND SIGN BASES PROVIDED AND INSTALLED BY CONTRACTOR UNLESS NOTED OTHERWISE.

* 4 FT MOUNTING HEIGHT
** CITY OF MADISON SIGN
*** CITY OF MIDDLETON SIGN

① SIGN POST REMOVED BY CITY OF MIDDLETON
② SIGN POST REMOVED BY CONTRACTOR
③ SIGN, SIGN POST, AND SIGN BASE PROVIDED AND INSTALLED BY CITY OF MIDDLETON
④ SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PERMANENT SIGNING - BLACKHAWK ROAD	SHEET 240	E



N

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- EXISTING LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- (X-XX) DENOTES PROPOSED SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER
- PROPOSED LIGHT POLE

NOTES:

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* 4 FT MOUNTING HEIGHT
** CITY OF MADISON SIGN
*** CITY OF MIDDLETON SIGN

① SIGN POST REMOVED BY CITY OF MIDDLETON
② SIGN POST REMOVED BY CONTRACTOR
③ SIGN, SIGN POST, AND SIGN BASE PROVIDED AND INSTALLED BY CITY OF MIDDLETON
④ SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PERMANENT SIGNING - BLACKHAWK ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023218_ps.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

LEGEND

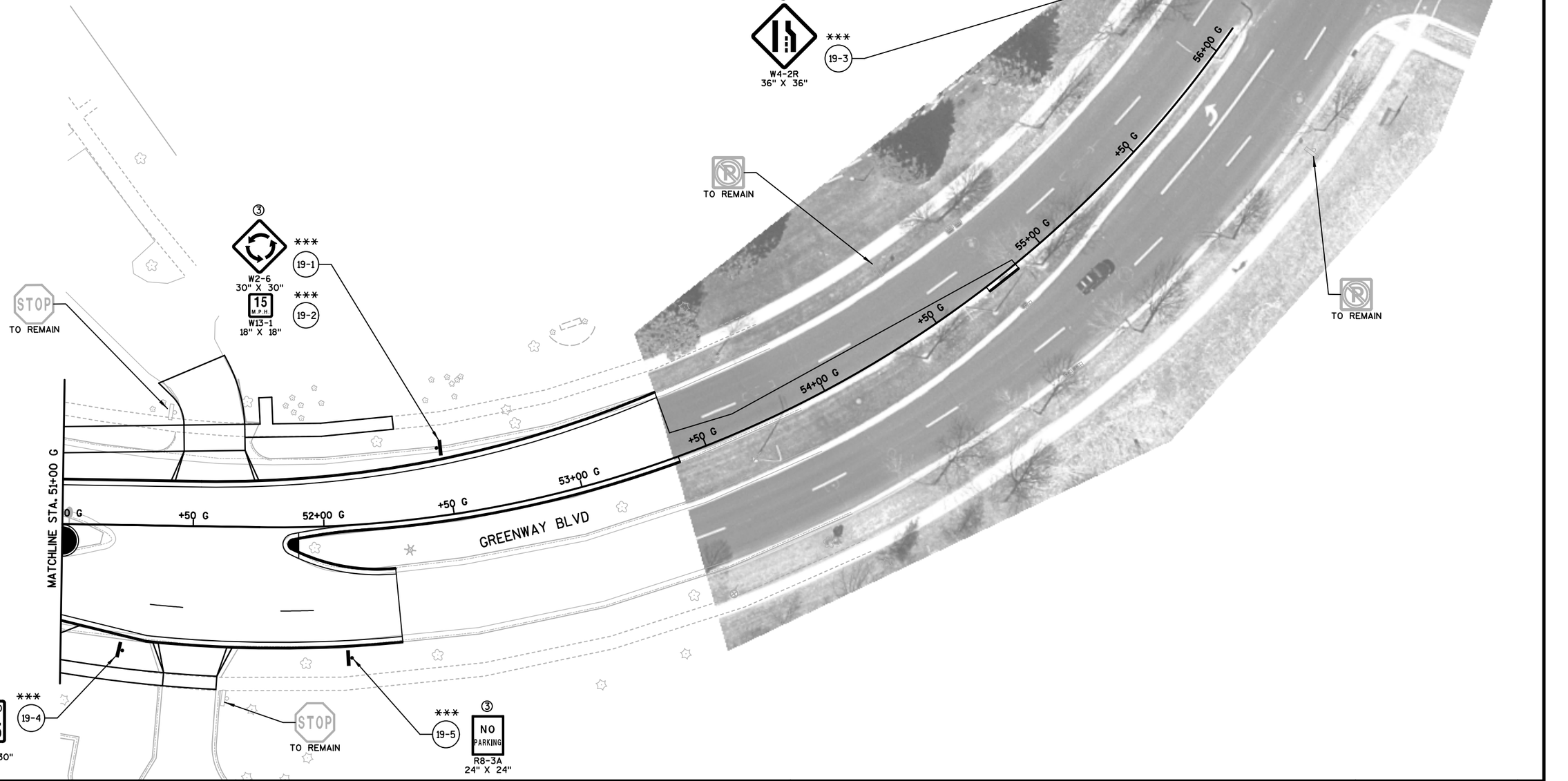
- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- EXISTING LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- (X-XX) DENOTES PROPOSED SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER
- PROPOSED LIGHT POLE

NOTES:

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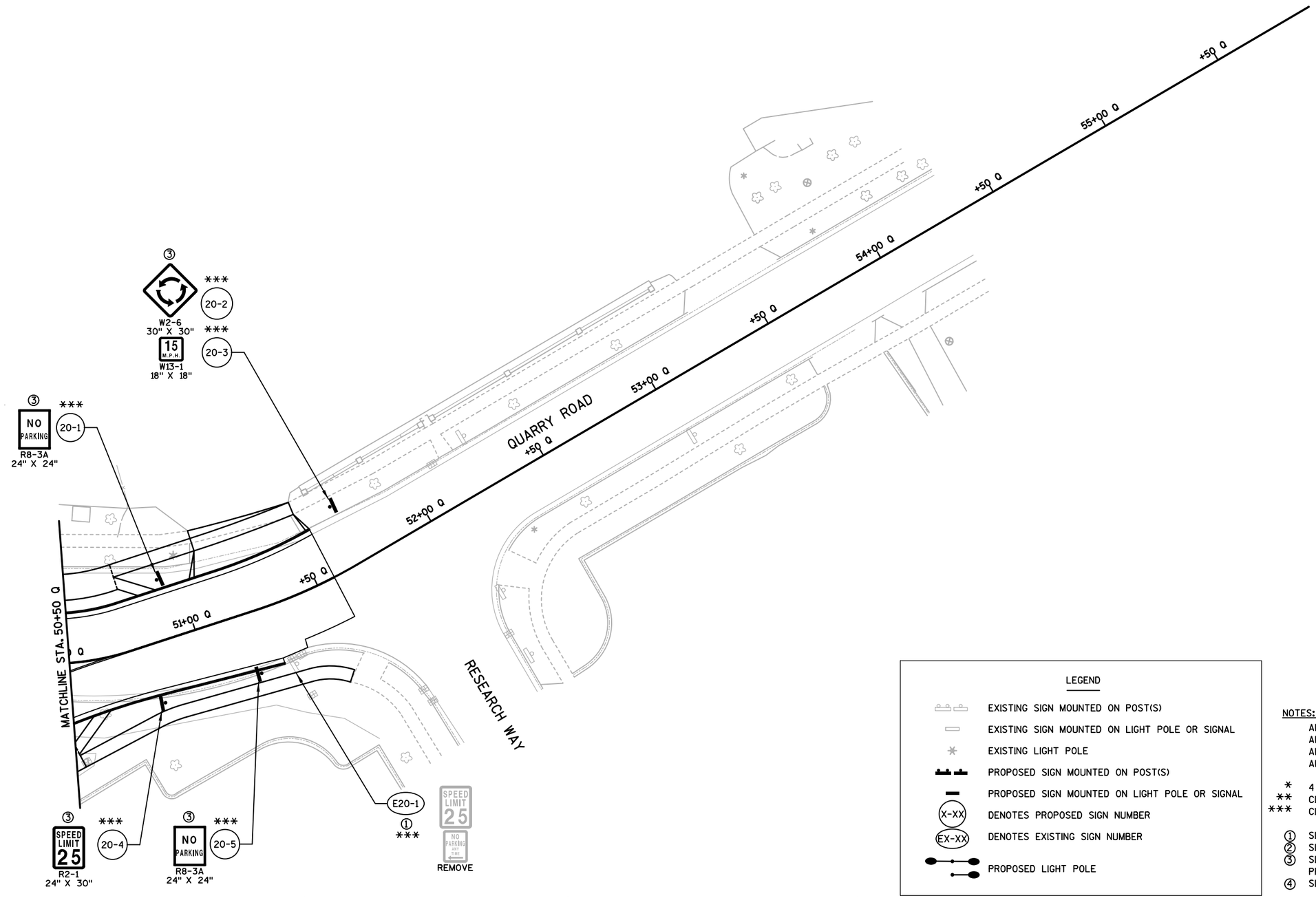
* 4 FT MOUNTING HEIGHT
** CITY OF MADISON SIGN
*** CITY OF MIDDLETON SIGN

① SIGN POST REMOVED BY CITY OF MIDDLETON
② SIGN POST REMOVED BY CONTRACTOR
③ SIGN, SIGN POST, AND SIGN BASE PROVIDED AND INSTALLED BY CITY OF MIDDLETON
④ SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PERMANENT SIGNING - GREENWAY BLVD	SHEET 242	E

2



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- EXISTING LIGHT POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT POLE OR SIGNAL
- (X-XX) DENOTES PROPOSED SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER
- PROPOSED LIGHT POLE

NOTES:

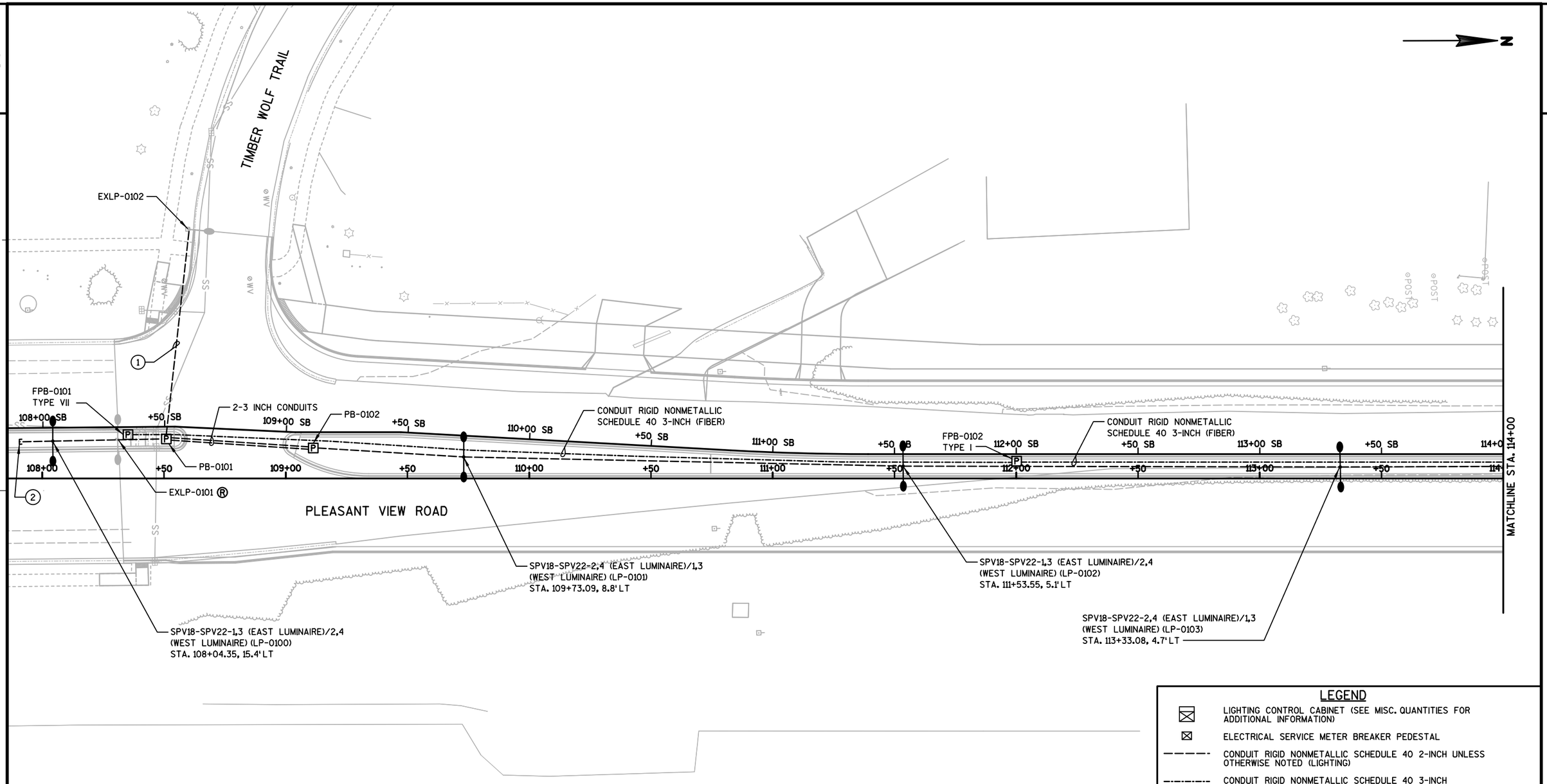
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ALL SIGN BASES REMOVED BY CONTRACTOR.
ALL SIGNS, SIGN POSTS, AND SIGN BASES PROVIDED AND INSTALLED BY CONTRACTOR UNLESS NOTED OTHERWISE.

* 4 FT MOUNTING HEIGHT
** CITY OF MADISON SIGN
*** CITY OF MIDDLETON SIGN

① SIGN POST REMOVED BY CITY OF MIDDLETON
② SIGN POST REMOVED BY CONTRACTOR
③ SIGN, SIGN POST, AND SIGN BASE PROVIDED AND INSTALLED BY CITY OF MIDDLETON
④ SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PERMANENT SIGNING - QUARRY ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023220_ps.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



KEYNOTES

(1) LOCATE, INTERCEPT, AND CONNECT TO EXISTING CONDUIT AT EXLP-0102 BASE. SPLICE EXISTING WIRING IN POLE WITH NEW WIRING FROM LC-01 CIRCUIT 1,3 TO MAINTAIN POWER TO EXISTING LIGHT EXLP-0102.

(2) CONDUIT SHALL BE STUBBED OUT OF POLE LP-0100 BASE AND CONNECTED TO EXISTING 2" LIGHTING CONDUIT. COORDINATE WITH CITY OF MADISON TRAFFIC.

(3) INTERCEPT FIBER CONDUIT. PROVIDE 75 FEET OF FIBER CABLE SLACK. COORDINATE WITH WINmetro.

SCALE, FEET 0 20 40

GENERAL NOTES

1. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY. SEE CONSTRUCTION DETAIL TYPICAL CONDUIT INSTALLATION.
2. ALL POLE BASES SHALL BE MINIMUM 2 FEET FROM BACK OF CURB AND/OR ROADWAY, MEASURED FROM THE OUTSIDE EDGE OF POLE BASE.
3. UNLESS OTHERWISE NOTED. PB INDICATES LIGHTING PULL BOX, FPB INDICATES FIBER PULL BOX. ALL LIGHTING PULL BOXES ARE ELECTRICAL PULL BOX TYPE I- CITY OF MADISON.

LEGEND

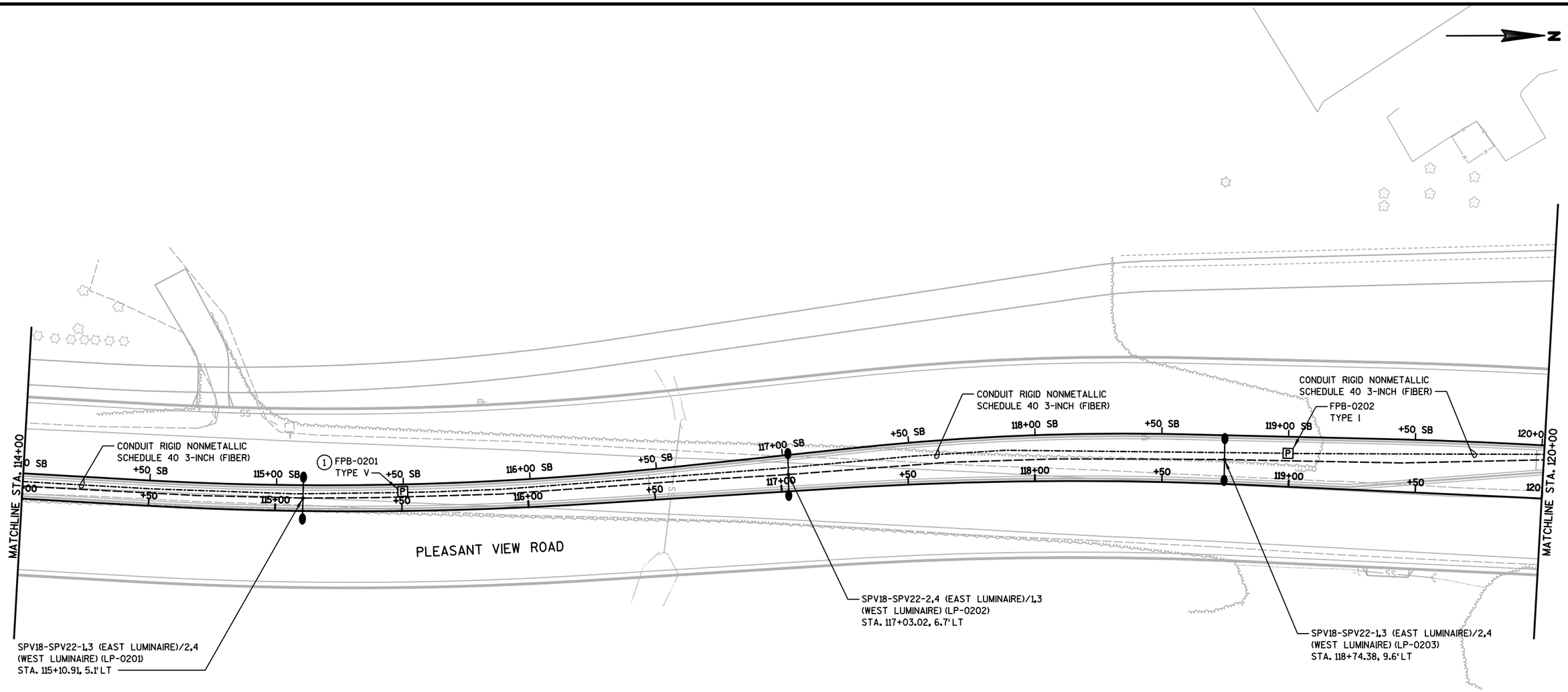
- LIGHTING CONTROL CABINET (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED (LIGHTING)
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRES

LED-C -6 -1 (L-13-0860-0001)

- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE
- SPVXX INDICATES SPECIAL PROVISION BID ITEM (SPV.0060.XX).

- Ⓡ STREET LIGHT REMOVAL
- PULL BOXES STEEL 24x42-INCH (653.0140)
- P ELECTRICAL PULL BOX TYPE X - CITY OF MADISON (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	LIGHTING PLAN - PLEASANT VIEW ROAD	SHEET 244	E



KEYNOTES

(1) PROVIDE 150 FEET OF FIBER CABLE SLACK. COORDINATE WITH WINmetro.

SCALE, FEET 0 20 40

GENERAL NOTES

1. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY. SEE CONSTRUCTION DETAIL TYPICAL CONDUIT INSTALLATION.
2. ALL POLE BASES SHALL BE MINIMUM 2 FEET FROM BACK OF CURB AND/OR ROADWAY, MEASURED FROM THE OUTSIDE EDGE OF POLE BASE.
3. UNLESS OTHERWISE NOTED. PB INDICATES LIGHTING PULL BOX, FPB INDICATES FIBER PULL BOX. ALL LIGHTING PULL BOXES ARE ELECTRICAL PULL BOX TYPE I- CITY OF MADISON.

LEGEND

- LIGHTING CONTROL CABINET (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED (LIGHTING)
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRES

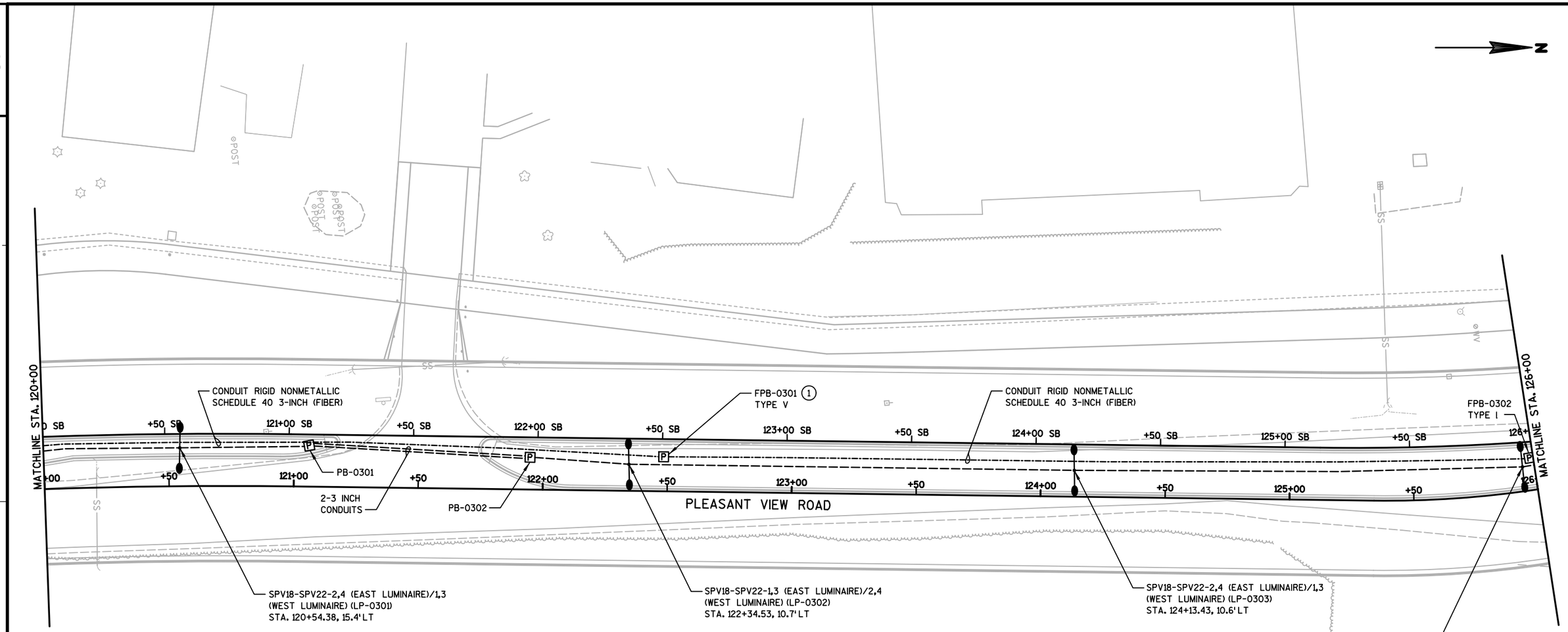
LED-C -6 -1 (L-13-0860-0001)

- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE
- SPVXX INDICATES SPECIAL PROVISION BID ITEM (SPV.0060.XX).

- (R) STREET LIGHT REMOVAL
- (X) PULL BOXES STEEL 24x42-INCH (653.0140)
- [P] ELECTRICAL PULL BOX TYPE X - CITY OF MADISON (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	LIGHTING PLAN - PLEASANT VIEW ROAD	SHEET 245	E

2



KEYNOTES

(1) PROVIDE 150 FEET OF FIBER CABLE SLACK. COORDINATE WITH WINmetro.

SCALE, FEET 0 20 40

GENERAL NOTES

1. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY. SEE CONSTRUCTION DETAIL TYPICAL CONDUIT INSTALLATION.
2. ALL POLE BASES SHALL BE MINIMUM 2 FEET FROM BACK OF CURB AND/OR ROADWAY, MEASURED FROM THE OUTSIDE EDGE OF POLE BASE.
3. UNLESS OTHERWISE NOTED, PB INDICATES LIGHTING PULL BOX, FPB INDICATES FIBER PULL BOX. ALL LIGHTING PULL BOXES ARE ELECTRICAL PULL BOX TYPE I - CITY OF MADISON.

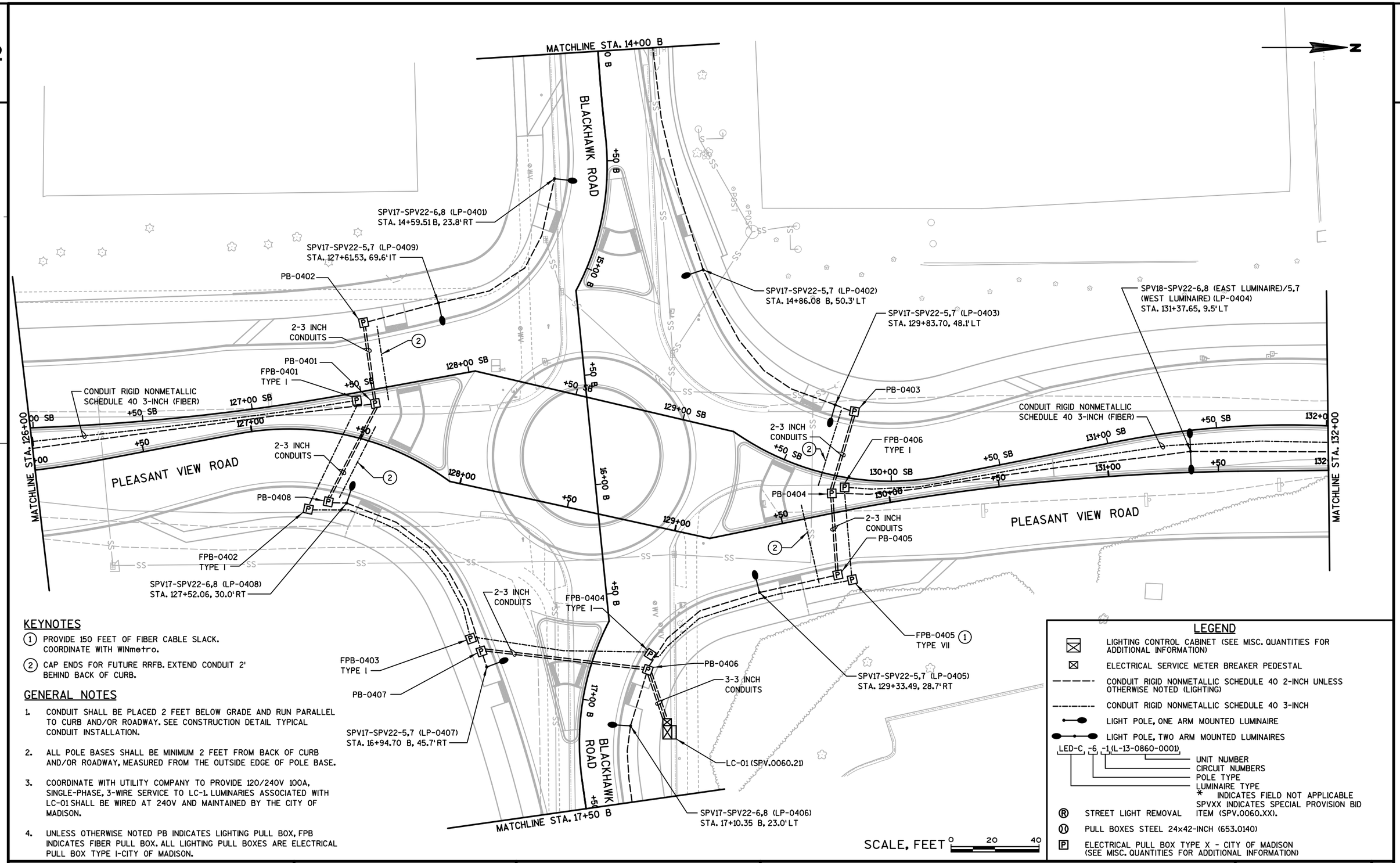
LEGEND

- LIGHTING CONTROL CABINET (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED (LIGHTING)
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRES

LED-C, -6, -1 (L-13-0860-0001)

- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE SPVXX INDICATES SPECIAL PROVISION BID ITEM (SPV.0060.XX).
- (R) STREET LIGHT REMOVAL
- (X) PULL BOXES STEEL 24x42-INCH (653.0140)
- [P] ELECTRICAL PULL BOX TYPE X - CITY OF MADISON (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	LIGHTING PLAN - PLEASANT VIEW ROAD	SHEET 246	E



KEYNOTES

(1) PROVIDE 150 FEET OF FIBER CABLE SLACK. COORDINATE WITH WINmetro.

(2) CAP ENDS FOR FUTURE RRFB. EXTEND CONDUIT 2' BEHIND BACK OF CURB.

GENERAL NOTES

1. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY. SEE CONSTRUCTION DETAIL TYPICAL CONDUIT INSTALLATION.
2. ALL POLE BASES SHALL BE MINIMUM 2 FEET FROM BACK OF CURB AND/OR ROADWAY, MEASURED FROM THE OUTSIDE EDGE OF POLE BASE.
3. COORDINATE WITH UTILITY COMPANY TO PROVIDE 120/240V 100A, SINGLE-PHASE, 3-WIRE SERVICE TO LC-1. LUMINARIES ASSOCIATED WITH LC-01 SHALL BE WIRED AT 240V AND MAINTAINED BY THE CITY OF MADISON.
4. UNLESS OTHERWISE NOTED PB INDICATES LIGHTING PULL BOX, FPB INDICATES FIBER PULL BOX. ALL LIGHTING PULL BOXES ARE ELECTRICAL PULL BOX TYPE I-CITY OF MADISON.

LEGEND

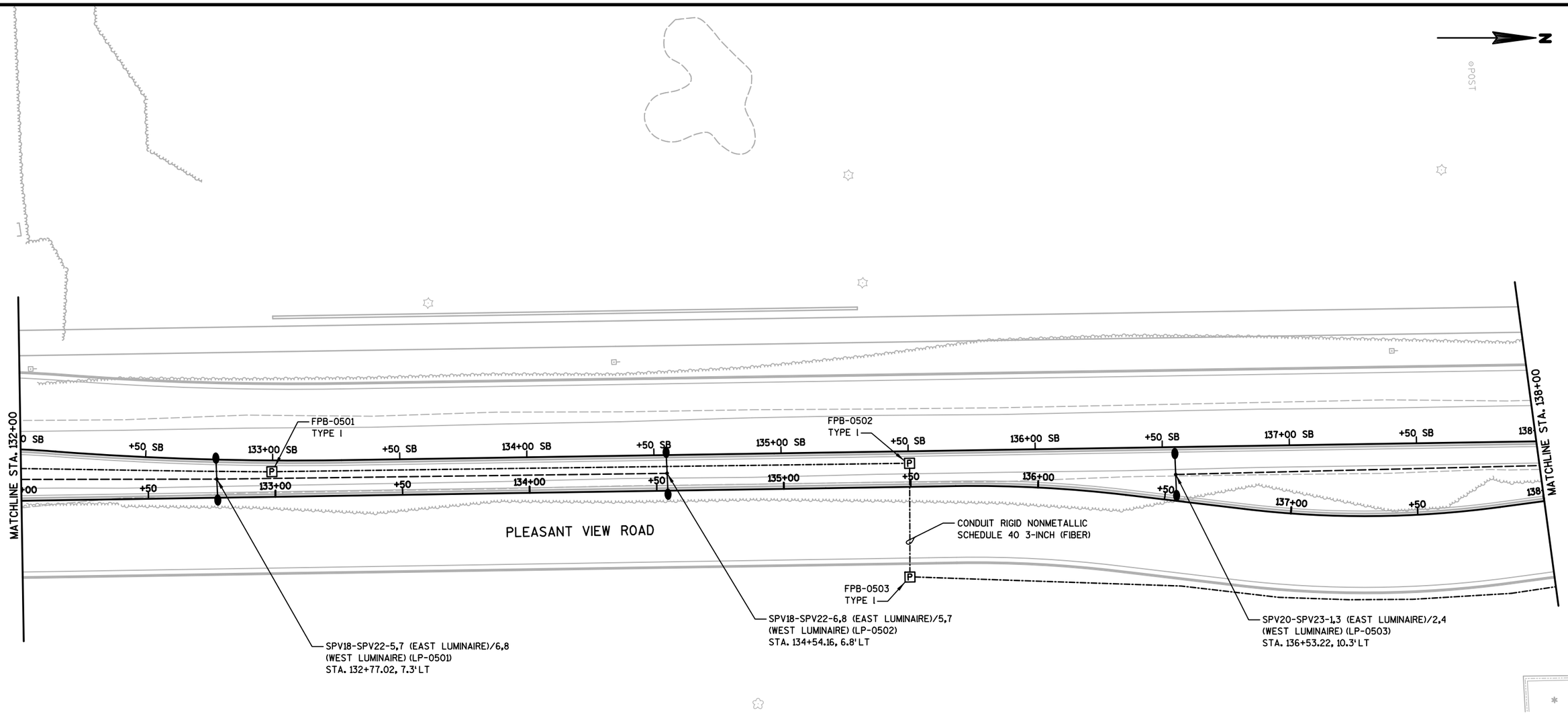
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- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED (LIGHTING)
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRES

LED-C, -6, -1 (L-13-0860-0001)
- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE
- SPVXX INDICATES SPECIAL PROVISION BID ITEM (SPV.0060.XX).

- (R) STREET LIGHT REMOVAL
- (X) PULL BOXES STEEL 24x42-INCH (653.0140)
- (P) ELECTRICAL PULL BOX TYPE X - CITY OF MADISON (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	LIGHTING PLAN - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023504_lp.dgn PLOT DATE : 3/7/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



GENERAL NOTES

1. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY. SEE CONSTRUCTION DETAIL TYPICAL CONDUIT INSTALLATION.
2. ALL POLE BASES SHALL BE MINIMUM 2 FEET FROM BACK OF CURB AND/OR ROADWAY, MEASURED FROM THE OUTSIDE EDGE OF POLE BASE.
3. UNLESS OTHERWISE NOTED. PB INDICATES LIGHTING PULL BOX, FPB INDICATES FIBER PULL BOX. ALL LIGHTING PULL BOXES ARE ELECTRICAL PULL BOX TYPE I- CITY OF MADISON.

LEGEND

- LIGHTING CONTROL CABINET (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED (LIGHTING)
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
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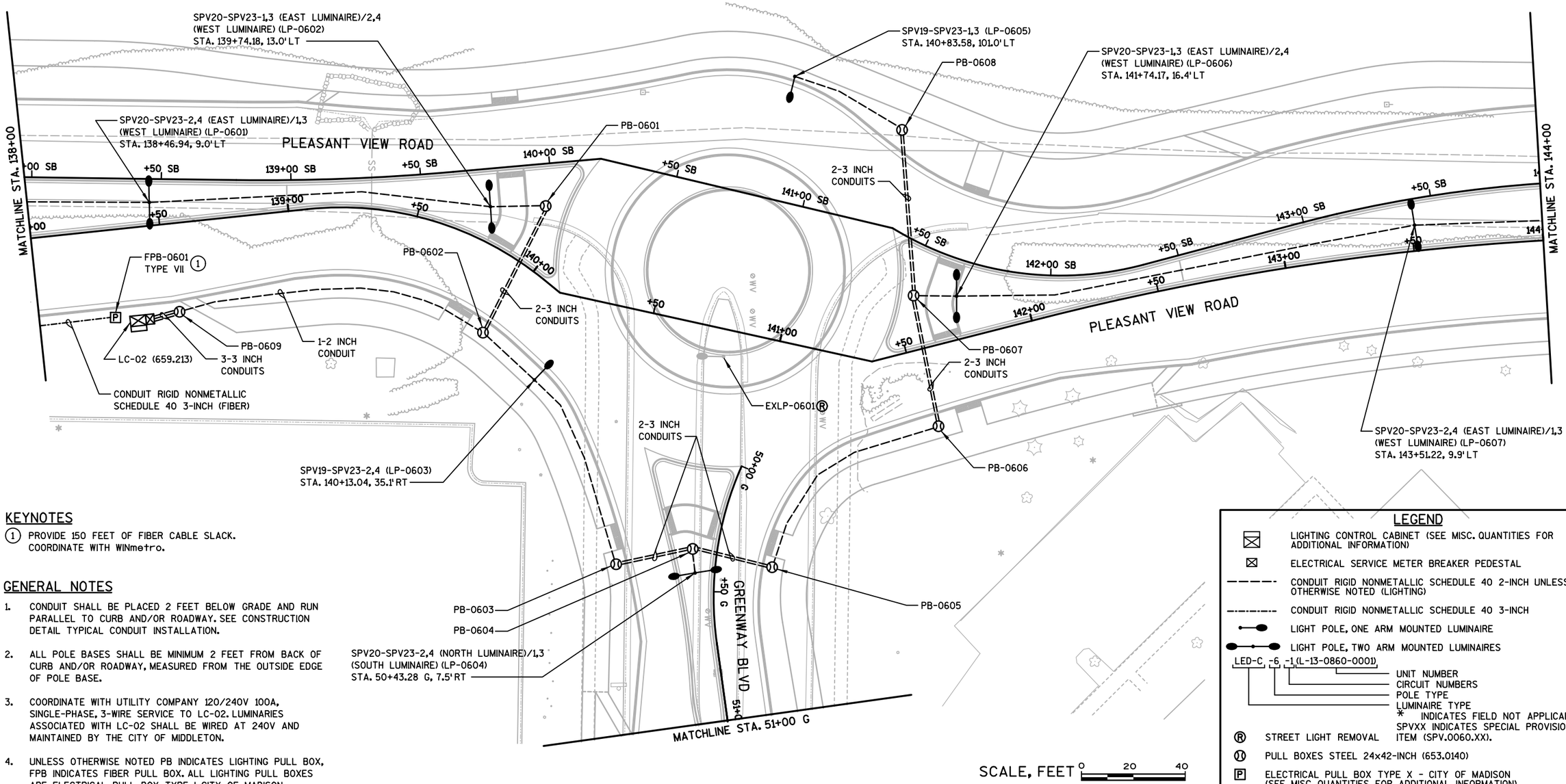
LED-C -6 -1 (L-13-0860-0001)

- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE
- SPVXX INDICATES SPECIAL PROVISION BID ITEM (SPV.0060.XX).

- Ⓡ STREET LIGHT REMOVAL
- Ⓟ PULL BOXES STEEL 24x42-INCH (653.0140)
- [P] ELECTRICAL PULL BOX TYPE X - CITY OF MADISON (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	LIGHTING PLAN - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023505_lp.dgn PLOT DATE : 3/7/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



KEYNOTES

(1) PROVIDE 150 FEET OF FIBER CABLE SLACK. COORDINATE WITH WINmetro.

GENERAL NOTES

1. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY. SEE CONSTRUCTION DETAIL TYPICAL CONDUIT INSTALLATION.
2. ALL POLE BASES SHALL BE MINIMUM 2 FEET FROM BACK OF CURB AND/OR ROADWAY, MEASURED FROM THE OUTSIDE EDGE OF POLE BASE.
3. COORDINATE WITH UTILITY COMPANY 120/240V 100A, SINGLE-PHASE, 3-WIRE SERVICE TO LC-02. LUMINARIES ASSOCIATED WITH LC-02 SHALL BE WIRED AT 240V AND MAINTAINED BY THE CITY OF MIDDLETON.
4. UNLESS OTHERWISE NOTED PB INDICATES LIGHTING PULL BOX, FPB INDICATES FIBER PULL BOX. ALL LIGHTING PULL BOXES ARE ELECTRICAL PULL BOX TYPE I-CITY OF MADISON.

LEGEND

- LIGHTING CONTROL CABINET (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED (LIGHTING)
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRES

LED-C -6 -1 (L-13-0860-0001)

- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE
- SPVXX INDICATES SPECIAL PROVISION BID ITEM (SPV.0060.XX).

- Ⓡ STREET LIGHT REMOVAL
- PULL BOXES STEEL 24x42-INCH (653.0140)
- P ELECTRICAL PULL BOX TYPE X - CITY OF MADISON (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	LIGHTING PLAN - PLEASANT VIEW ROAD	SHEET 249	E

2

N

MATCHLINE STA. 144+00

MATCHLINE STA. 150+00

SPV20-SPV23-1,3 (EAST LUMINAIRE)/2,4
(WEST LUMINAIRE) (LP-0701)
STA. 145+05.05, 10.4' LT

SPV20-SPV23-6,8 (EAST LUMINAIRE)/5,7
(WEST LUMINAIRE) (LP-0703)
STA. 148+34.71, 15.7' LT

SPV20-SPV23-5,7 (EAST LUMINAIRE)/6,8
(WEST LUMINAIRE) (LP-0702)
STA. 146+70.84, 11.4' LT

SPV20-SPV23-5,7 (EAST LUMINAIRE)/6,8
(WEST LUMINAIRE) (LP-0704)
STA. 149+82.70, 9.8' LT

PB-0702

PB-0701

2-3 INCH
CONDUITS

PLEASANT VIEW ROAD

SS

POST

SCALE, FEET 0 20 40

GENERAL NOTES

1. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY. SEE CONSTRUCTION DETAIL TYPICAL CONDUIT INSTALLTION.

2. ALL POLE BASES SHALL BE MINIMUM 2 FEET FROM BACK OF CURB AND/OR ROADWAY, MEASURED FROM THE OUTSIDE EDGE OF POLE BASE.

LEGEND

- LIGHTING CONTROL CABINET (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED (LIGHTING)
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRES

LED-C -6 -1 (L-13-0860-0001)

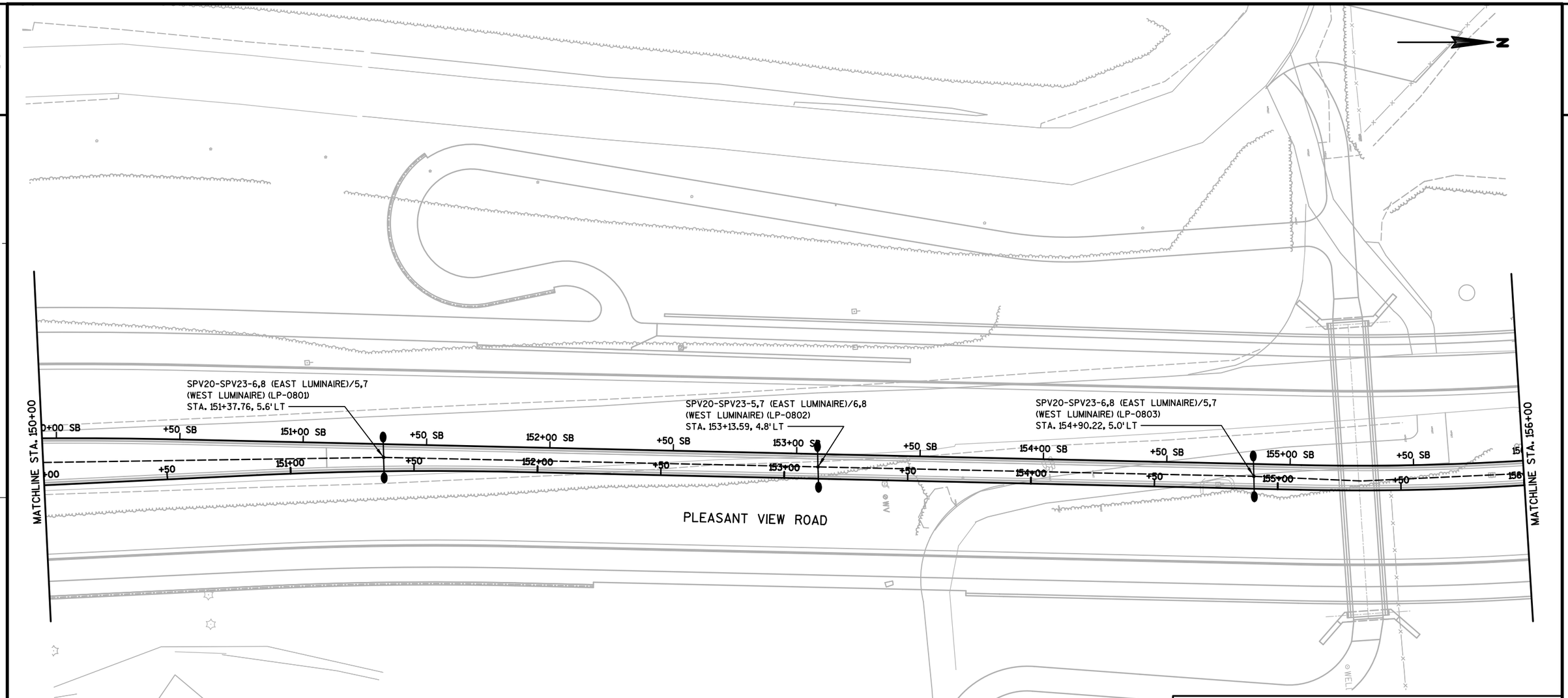
- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE
- SPVXX INDICATES SPECIAL PROVISION BID ITEM (SPV.0060.XX).

- Ⓡ STREET LIGHT REMOVAL
- PULL BOXES STEEL 24x42-INCH (653.0140)
- Ⓟ ELECTRICAL PULL BOX TYPE X - CITY OF MADISON (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	LIGHTING PLAN - PLEASANT VIEW ROAD	SHEET 250	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023507_lp.dgn PLOT DATE : 3/7/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

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GENERAL NOTES

1. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY. SEE CONSTRUCTION DETAIL TYPICAL CONDUIT INSTALLATION.
2. ALL POLE BASES SHALL BE MINIMUM 2 FEET FROM BACK OF CURB AND/OR ROADWAY, MEASURED FROM THE OUTSIDE EDGE OF POLE BASE.

LEGEND

- LIGHTING CONTROL CABINET (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED (LIGHTING)
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRES

LED-C -6 -1 (L-13-0860-0001)

- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE

SPVXX INDICATES SPECIAL PROVISION BID ITEM (SPV.0060.XX).

- (R) STREET LIGHT REMOVAL
- (X) PULL BOXES STEEL 24x42-INCH (653.0140)
- [P] ELECTRICAL PULL BOX TYPE X - CITY OF MADISON (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	LIGHTING PLAN - PLEASANT VIEW ROAD	SHEET 251	E

2

N

MATCHLINE STA. 156+00

MATCHLINE STA. 162+00

PLEASANT VIEW ROAD

SPV20-SPV23-2,4 (EAST LUMINAIRE)/1,3
(WEST LUMINAIRE) (LP-0903)
STA. 160+95.20, 10.3' LT

SPV20-SPV23-5,7 (EAST LUMINAIRE)/6,8
(WEST LUMINAIRE) (LP-0901)
STA. 157+00.33, 5.2' LT

SPV20-SPV23-1,3 (EAST LUMINAIRE)/2,4
(WEST LUMINAIRE) (LP-0902)
STA. 159+01.48, 3.8' LT

LEGEND

- LIGHTING CONTROL CABINET (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED (LIGHTING)
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRES

LED-C -6 -1 (L-13-0860-0001)

- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE
- SPVXX INDICATES SPECIAL PROVISION BID ITEM (SPV.0060.XX).

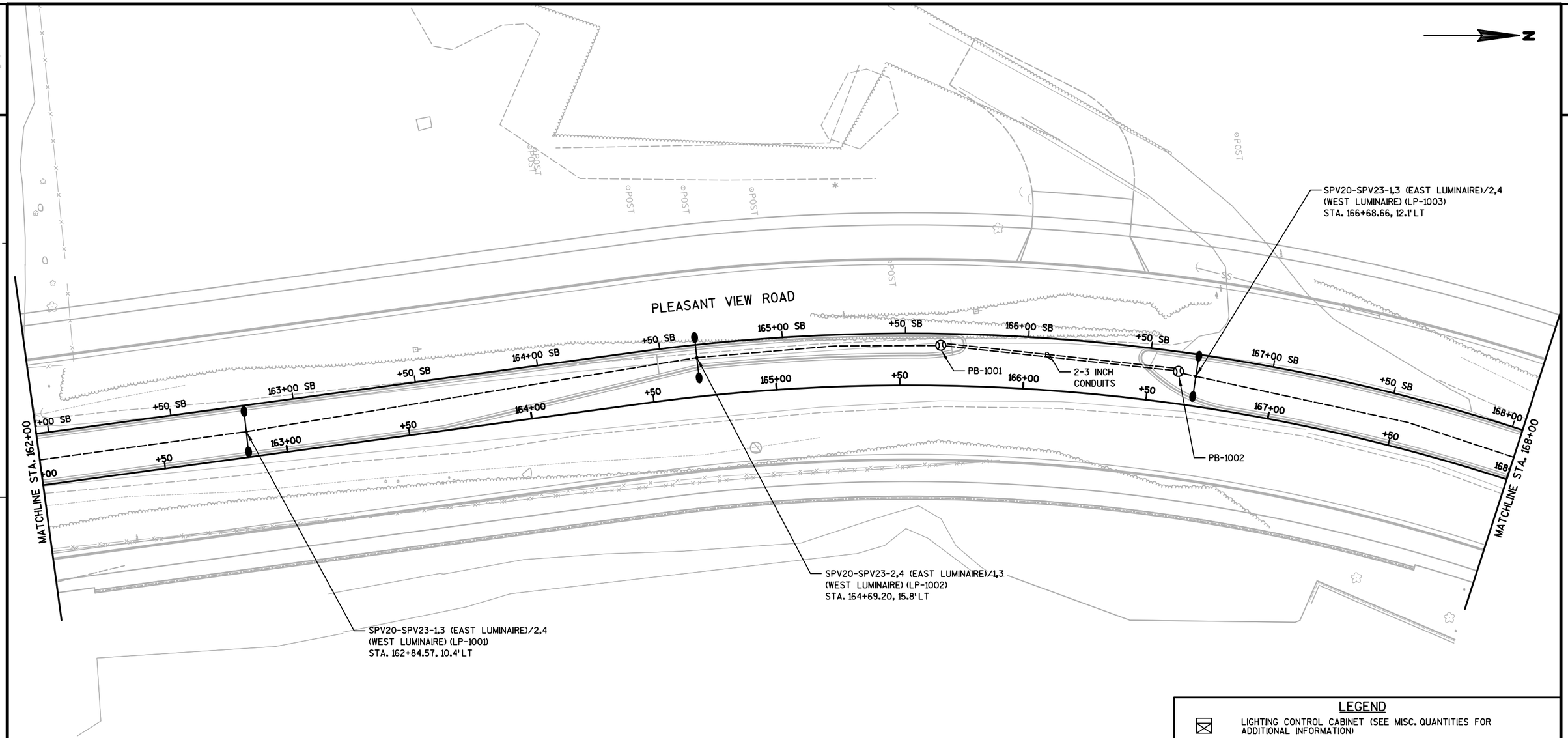
- (R) STREET LIGHT REMOVAL
- (X) PULL BOXES STEEL 24x42-INCH (653.0140)
- [P] ELECTRICAL PULL BOX TYPE X - CITY OF MADISON (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)

SCALE, FEET 0 20 40

GENERAL NOTES

1. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY. SEE CONSTRUCTION DETAIL TYPICAL CONDUIT INSTALLATION.
2. ALL POLE BASES SHALL BE MINIMUM 2 FEET FROM BACK OF CURB AND/OR ROADWAY, MEASURED FROM THE OUTSIDE EDGE OF POLE BASE.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	LIGHTING PLAN - PLEASANT VIEW ROAD	SHEET 252	E



GENERAL NOTES

1. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY. SEE CONSTRUCTION DETAIL TYPICAL CONDUIT INSTALLATION.
2. ALL POLE BASES SHALL BE MINIMUM 2 FEET FROM BACK OF CURB AND/OR ROADWAY, MEASURED FROM THE OUTSIDE EDGE OF POLE BASE.

SCALE, FEET 0 20 40

LEGEND

- LIGHTING CONTROL CABINET (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED (LIGHTING)
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRES

LED-C -6 -1 (L-13-0860-0001)

- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE
- SPVXX INDICATES SPECIAL PROVISION BID ITEM (SPV.0060.XX).

- Ⓡ STREET LIGHT REMOVAL
- PULL BOXES STEEL 24x42-INCH (653.0140)
- Ⓟ ELECTRICAL PULL BOX TYPE X - CITY OF MADISON (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	LIGHTING PLAN - PLEASANT VIEW ROAD	SHEET 253	E

LEGEND

- LIGHTING CONTROL CABINET (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED (LIGHTING)
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRES

LED-C -6 -1 (L-13-0860-0001)

- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE
- SPVXX INDICATES SPECIAL PROVISION BID ITEM (SPV.0060.XX).

- Ⓡ STREET LIGHT REMOVAL
- PULL BOXES STEEL 24x42-INCH (653.0140)
- Ⓟ ELECTRICAL PULL BOX TYPE X - CITY OF MADISON (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)

N

SPV20-SPV23-2,4 (EAST LUMINAIRE)/1,3
(WEST LUMINAIRE) (LP-1101)
STA. 168+45.65, 10.5' LT

SPV20-SPV23-1,3 (EAST LUMINAIRE)/2,4
(WEST LUMINAIRE) (LP-1102)
STA. 170+39.54, 13.9' LT

SPV19-SPV23-6,8 (LP-1104)
STA. 172+27.75, 87.0' LT

MATCHLINE STA. 168+00

MATCHLINE STA. 174+00

PLEASANT VIEW ROAD

QUARRY ROAD

PB-1101

PB-1102

PB-1103

PB-1104

PB-1105

PB-1106

PB-1107

PB-1108

LC-03 (659.213)

3-3 INCH CONDUITS

2-3 INCH CONDUITS

EXLP-1101 Ⓡ

SPV20-SPV23-5,7 (NORTH LUMINAIRE)/6,8
(SOUTH LUMINAIRE) (LP-1103)
STA. 50+15.57 Q, 11.9' RT

SPV20-SPV23-6,8 (EAST LUMINAIRE)/5,7
(WEST LUMINAIRE) (LP-1105)
STA. 172+86.67, 5.5' LT

SCALE, FEET 0 20 40

GENERAL NOTES

1. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY. SEE CONSTRUCTION DETAIL TYPICAL CONDUIT INSTALLATION.
2. ALL POLE BASES SHALL BE MINIMUM 2 FEET FROM BACK OF CURB AND/OR ROADWAY, MEASURED FROM THE OUTSIDE EDGE OF POLE BASE.
3. COORDINATE WITH UTILITY COMPANY TO PROVIDE 120/240V 100A, SINGLE-PHASE, 3-WIRE SERVICE TO LC-03. LUMINARIES ASSOCIATED WITH LC-03 SHALL BE WIRED AT 240V AND MAINTAINED BY THE CITY OF MIDDLETON.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	LIGHTING PLAN - PLEASANT VIEW ROAD	SHEET 254	E

2

N

MATCHLINE STA. 174+00

MATCHLINE STA. 180+00

PLEASANT VIEW ROAD

2-3 INCH CONDUITS

2-3 INCH CONDUITS

PB-1201

PB-1202

PB-1203

PB-1204

SPV20-SPV23-5,7 (EAST LUMINAIRE)/6,8
(WEST LUMINAIRE) (LP-1201)
STA. 174+80.87, 10.8' LT

SPV20-SPV23-6,8 (EAST LUMINAIRE)/5,7
(WEST LUMINAIRE) (LP-1202)
STA. 176+73.04, 6.9' LT

SPV20-SPV23-5,7 (EAST LUMINAIRE)/6,8
(WEST LUMINAIRE) (LP-1203)
STA. 178+62.49, 15.8' LT

SCALE, FEET 0 20 40

GENERAL NOTES

1. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY. SEE CONSTRUCTION DETAIL TYPICAL CONDUIT INSTALLATION.
2. ALL POLE BASES SHALL BE MINIMUM 2 FEET FROM BACK OF CURB AND/OR ROADWAY, MEASURED FROM THE OUTSIDE EDGE OF POLE BASE.

LEGEND

- LIGHTING CONTROL CABINET (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED (LIGHTING)
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRES

LED-C -6 -1 (L-13-0860-0001)

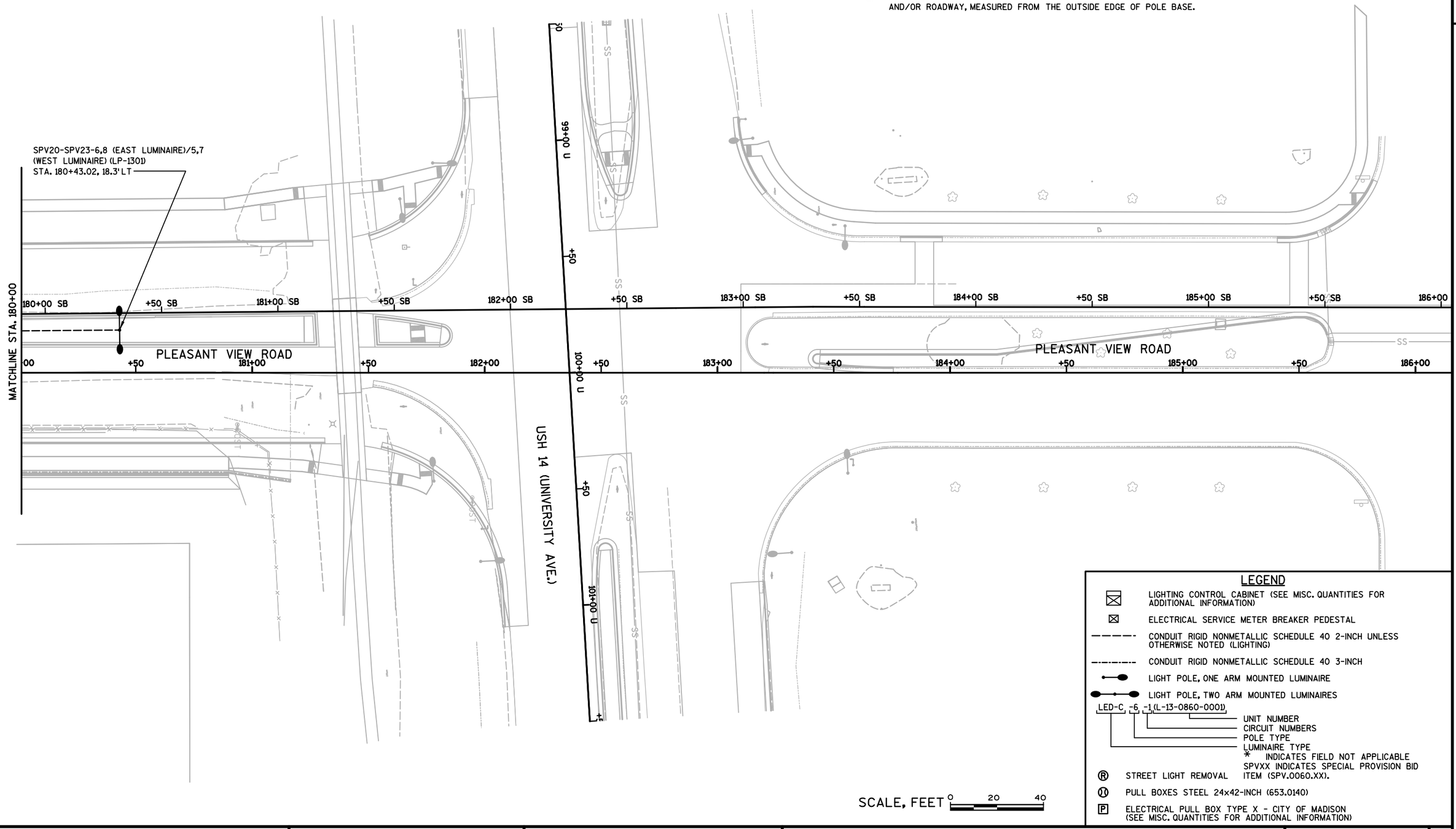
- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE SPVXX INDICATES SPECIAL PROVISION BID ITEM (SPV.0060.XX).

- Ⓡ STREET LIGHT REMOVAL
- PULL BOXES STEEL 24x42-INCH (653.0140)
- P ELECTRICAL PULL BOX TYPE X - CITY OF MADISON (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	LIGHTING PLAN - PLEASANT VIEW ROAD	SHEET 255	E

GENERAL NOTES

1. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY. SEE CONSTRUCTION DETAIL TYPICAL CONDUIT INSTALLATION.
2. ALL POLE BASES SHALL BE MINIMUM 2 FEET FROM BACK OF CURB AND/OR ROADWAY, MEASURED FROM THE OUTSIDE EDGE OF POLE BASE.



LEGEND

- LIGHTING CONTROL CABINET (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED (LIGHTING)
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRES

LED-C, -6, -1 (L-13-0860-0001)

- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE
- SPVXX INDICATES SPECIAL PROVISION BID ITEM (SPV.0060.XX).

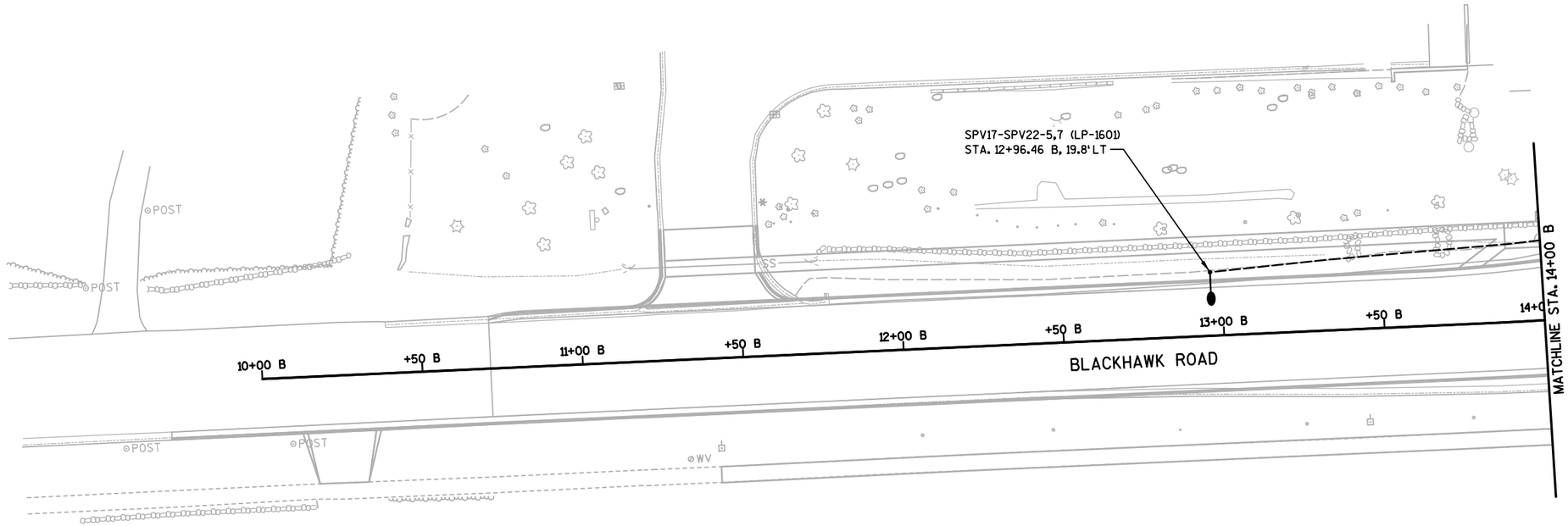
- Ⓡ STREET LIGHT REMOVAL
- ⓅⓁ PULL BOXES STEEL 24x42-INCH (653.0140)
- Ⓟ ELECTRICAL PULL BOX TYPE X - CITY OF MADISON (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	LIGHTING PLAN - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\023513_lp.dgn PLOT DATE : 4/23/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N



LEGEND

- LIGHTING CONTROL CABINET (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED (LIGHTING)
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRES

LED-C -6 -1 (L-13-0860-0001)

- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE
- SPVXX INDICATES SPECIAL PROVISION BID ITEM (SPV.0060.XX).

- Ⓡ STREET LIGHT REMOVAL
- ⓘ PULL BOXES STEEL 24x42-INCH (653.0140)
- Ⓟ ELECTRICAL PULL BOX TYPE X - CITY OF MADISON (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)

GENERAL NOTES

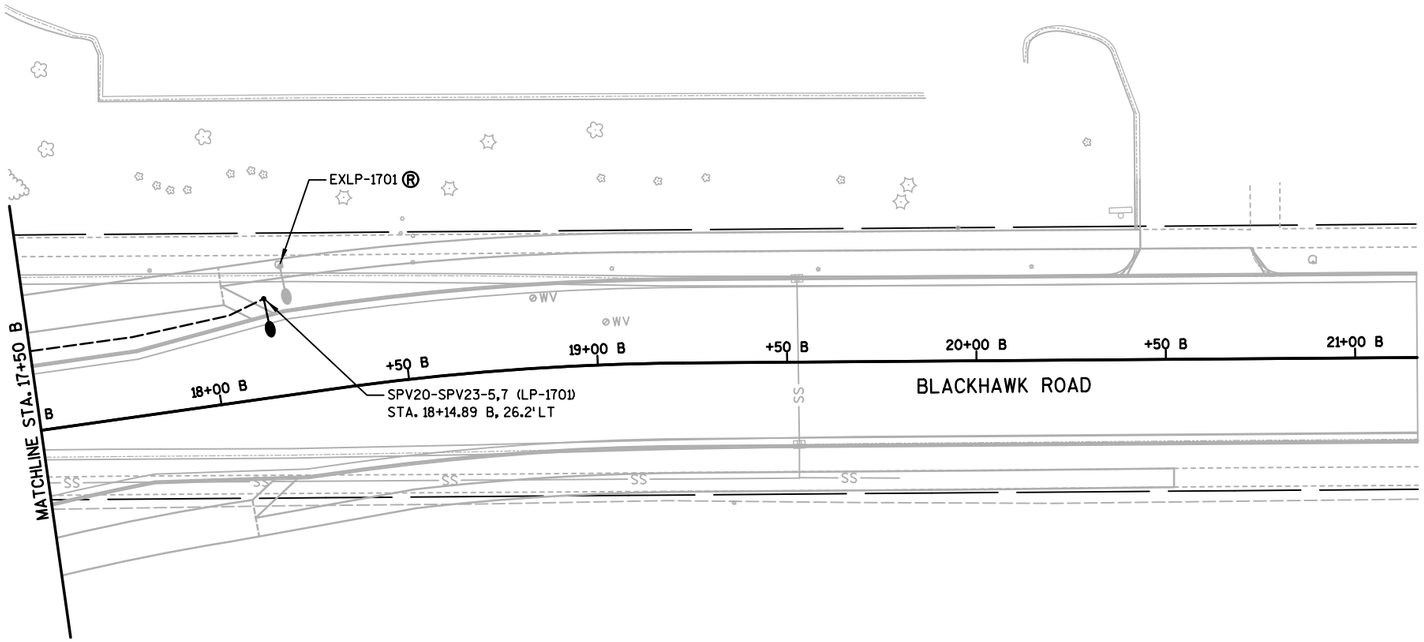
1. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY. SEE CONSTRUCTION DETAIL TYPICAL CONDUIT INSTALLATION.
2. ALL POLE BASES SHALL BE MINIMUM 2 FEET FROM BACK OF CURB AND/OR ROADWAY, MEASURED FROM THE OUTSIDE EDGE OF POLE BASE.

SCALE, FEET 0 20 40

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	LIGHTING PLAN - BLACKHAWK ROAD	SHEET 257	E

2

N



LEGEND

- LIGHTING CONTROL CABINET (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED (LIGHTING)
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRES
- LED-C -6 -1 (L-13-0860-0001)
  - UNIT NUMBER
  - CIRCUIT NUMBERS
  - POLE TYPE
  - LUMINAIRE TYPE
  - * INDICATES FIELD NOT APPLICABLE SPVXX INDICATES SPECIAL PROVISION BID ITEM (SPV.0060.XX).
- Ⓡ STREET LIGHT REMOVAL
- PULL BOXES STEEL 24x42-INCH (653.0140)
- P ELECTRICAL PULL BOX TYPE X - CITY OF MADISON (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)

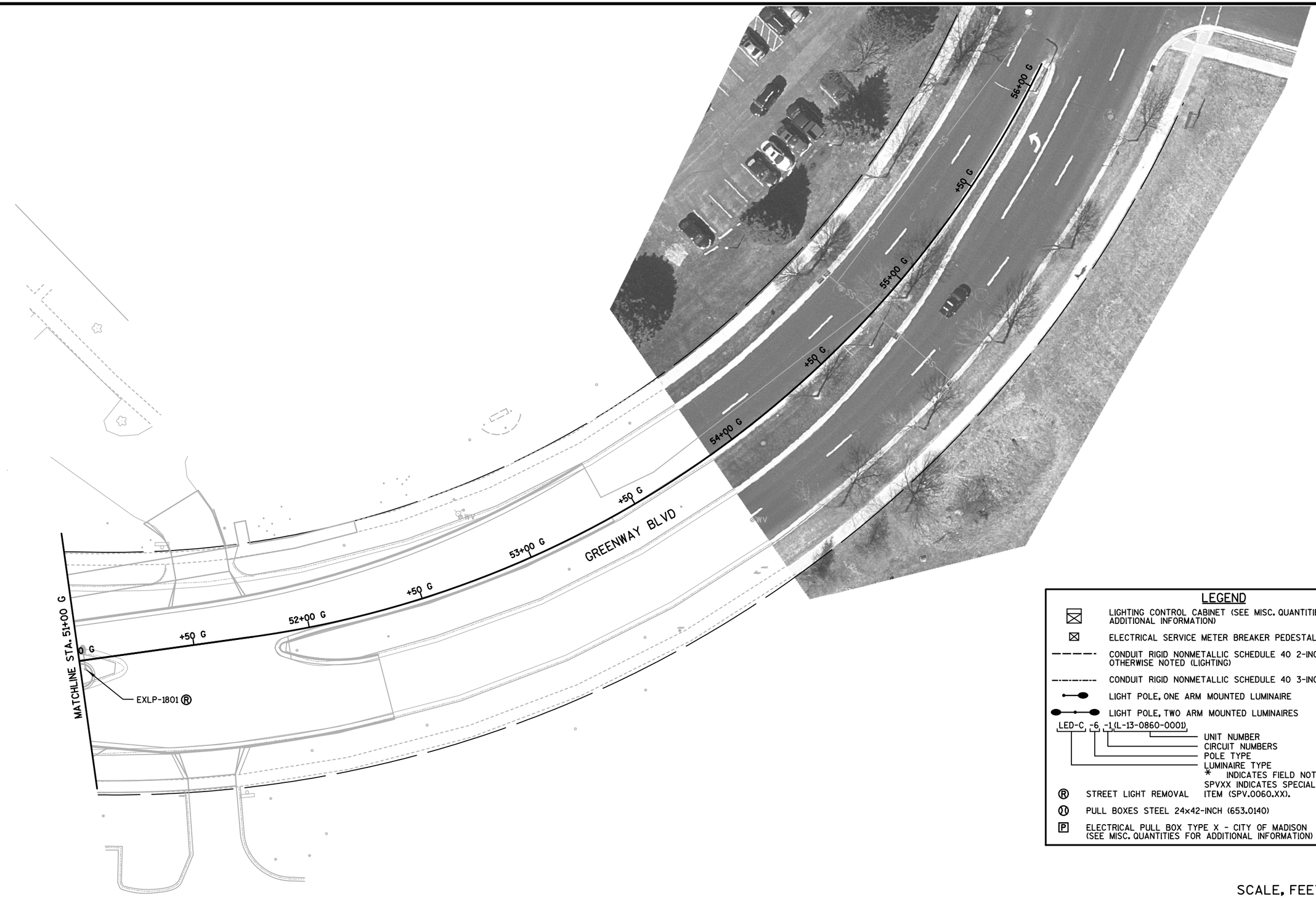
GENERAL NOTES

1. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY. SEE CONSTRUCTION DETAIL TYPICAL CONDUIT INSTALLATION.
2. ALL POLE BASES SHALL BE MINIMUM 2 FEET FROM BACK OF CURB AND/OR ROADWAY, MEASURED FROM THE OUTSIDE EDGE OF POLE BASE.

SCALE, FEET 0 20 40

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	LIGHTING PLAN - BLACKHAWK ROAD	SHEET 258	E

2



LEGEND

- LIGHTING CONTROL CABINET (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED (LIGHTING)
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRES

LED-C, -6, -1,(L-13-0860-0001)

- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE
- SPVXX INDICATES SPECIAL PROVISION BID ITEM (SPV.0060.XX).

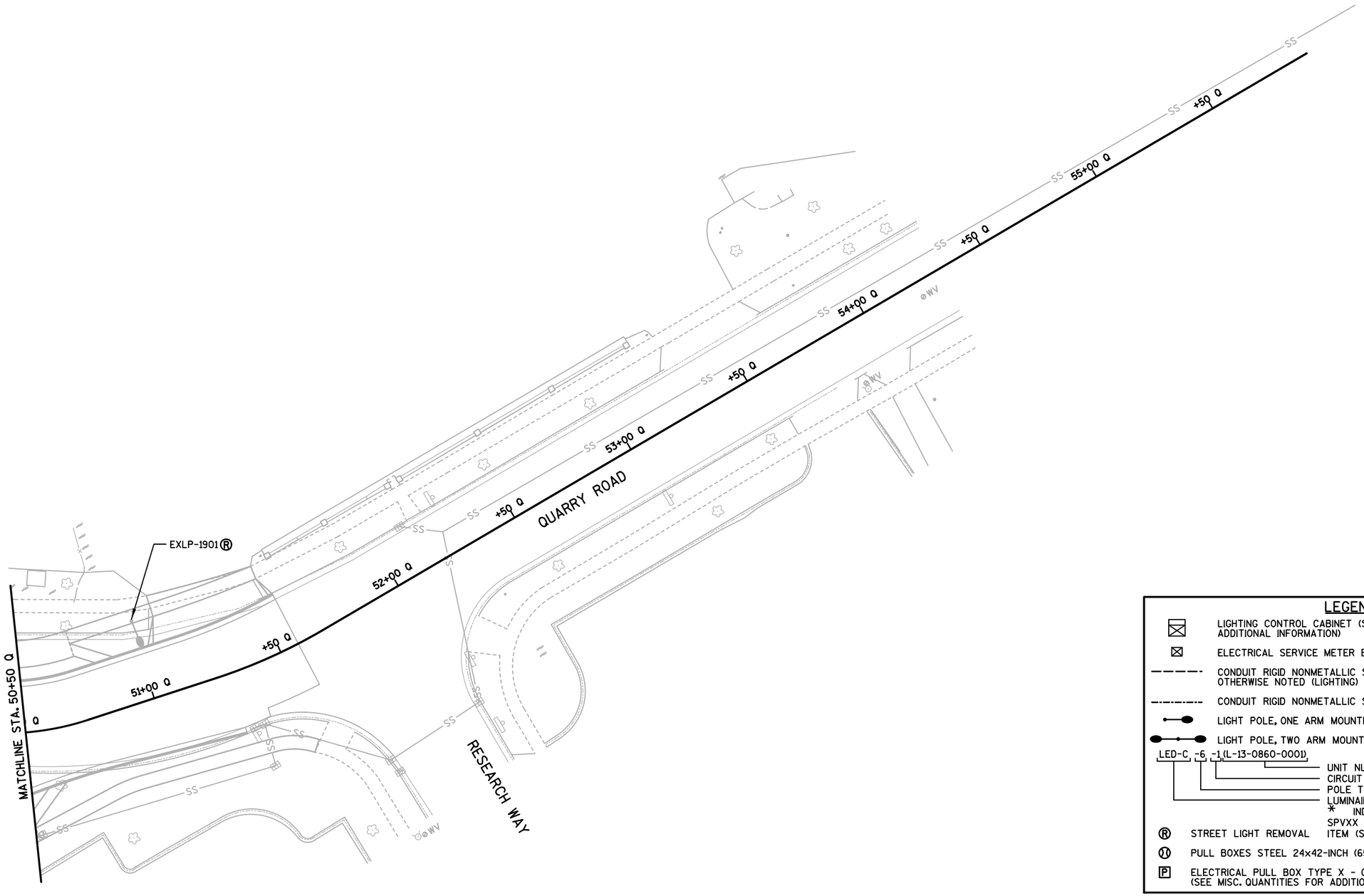
- Ⓡ STREET LIGHT REMOVAL
- PULL BOXES STEEL 24x42-INCH (653.0140)
- P ELECTRICAL PULL BOX TYPE X - CITY OF MADISON (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)

SCALE, FEET 0 20 40

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	LIGHTING PLAN - GREENWAY BLVD	SHEET 259	E

2

N



LEGEND

- LIGHTING CONTROL CABINET (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED (LIGHTING)
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH
- LIGHT POLE, ONE ARM MOUNTED LUMINAIRE
- LIGHT POLE, TWO ARM MOUNTED LUMINAIRES

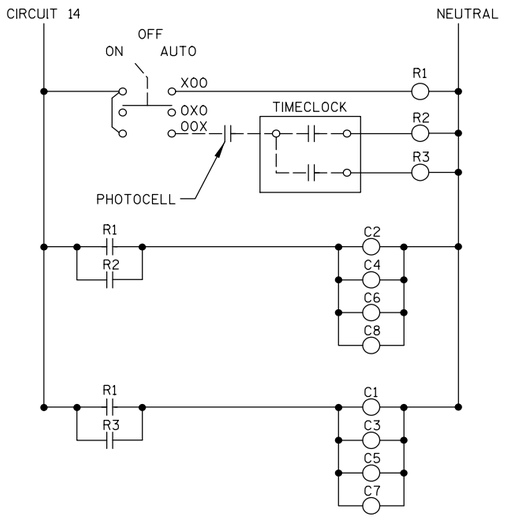
LED-C, -6, -1(L-13-0860-0001)

- UNIT NUMBER
- CIRCUIT NUMBERS
- POLE TYPE
- LUMINAIRE TYPE
- * INDICATES FIELD NOT APPLICABLE
- SPVXX INDICATES SPECIAL PROVISION BID ITEM (SPV.0060.XX).

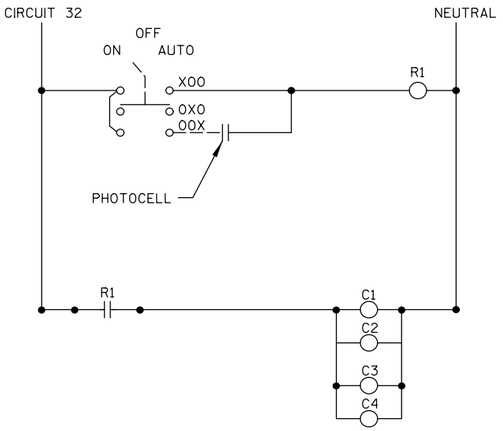
- Ⓡ STREET LIGHT REMOVAL
- PULL BOXES STEEL 24x42-INCH (653.0140)
- P ELECTRICAL PULL BOX TYPE X - CITY OF MADISON (SEE MISC. QUANTITIES FOR ADDITIONAL INFORMATION)

SCALE, FEET 0 20 40

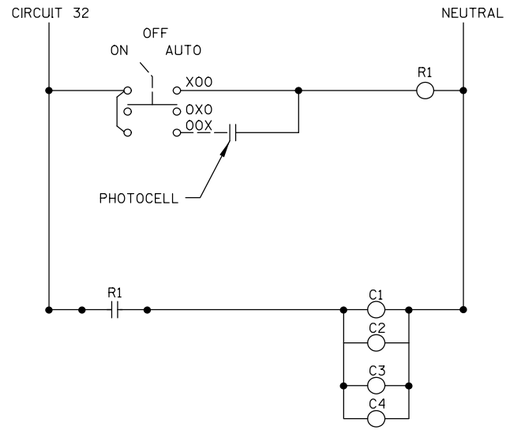
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	LIGHTING PLAN DETAILS - QUARRY ROAD	SHEET 260	E



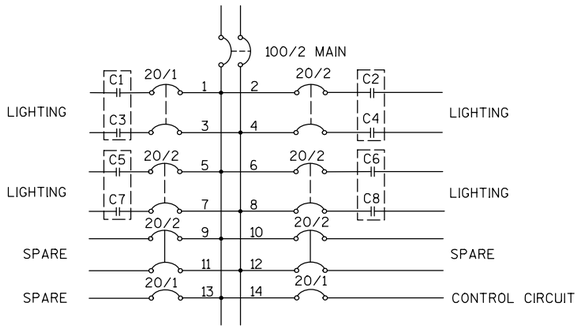
LC-01 CONTROL SCHEMATIC
NO SCALE



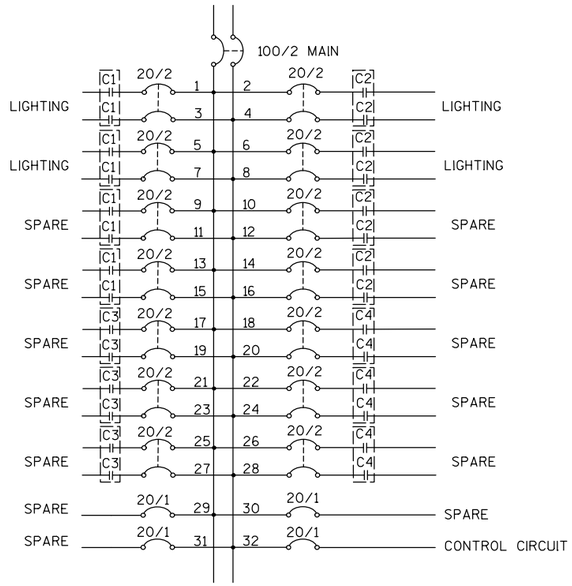
LC-02 CONTROL SCHEMATIC
NO SCALE



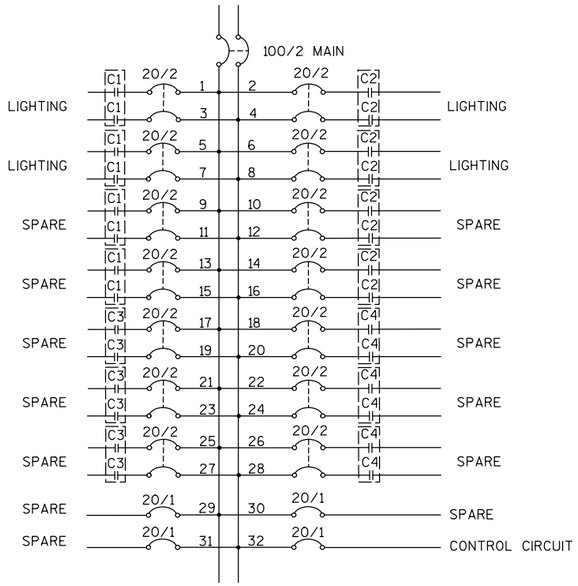
LC-03 CONTROL SCHEMATIC
NO SCALE



LC-01
NO SCALE



LC-02
NO SCALE



LC-03
NO SCALE

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	LIGHTING PLAN DETAILS	SHEET 261	E

LEGEND

- CLASS 4 WOOD POLE
- TEMPORARY SIGNAL BASE
- SIGNAL HEAD
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN COUNTDOWN TIMER 16-INCH
- PUSH BUTTON
- LUMINAIRE
- OH — OVERHEAD SIGNAL CABLE
- TIEBACK
- LANE DESIGNATION FOR INFORMATION ONLY
- 11 — DETECTION ZONE
- WORK ZONE

NOTE: ALL LENSES ARE 12-INCH

N

EQUIPMENT SUMMARY (FOR INFORMATION ONLY)

WOOD POLES, CLASS IV	4 EA
GUY WIRES	8 EA
OVERHEAD SPAN WIRE	545 LF
CONTROLLER/CABINET	1 EA
LUMINARIES	4 EA
TEMPORARY BASES	3 EA

	STATION	OFFSET
WP1	129+16	33' RT
WP2	129+50	114' LT
WP3	127+72	98' LT
WP4	128+23	69' RT

BLACKHAWK ROAD

PLEASANT VIEW ROAD

SPEED LIMIT 25

SPEED LIMIT 35

CONSTRUCTION NOTES:

1. DETECTION ZONES SHALL BE CENTERED IN THEIR RESPECTIVE LANES UNLESS OTHERWISE NOTED.
2. THE ENGINEER SHALL ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING AND PROPOSED UTILITY FACILITIES.
3. EXISTING TRAFFIC SIGNAL EQUIPMENT WILL REMAIN IN OPERATION THROUGH STAGE 1. THE TEMPORARY TRAFFIC SIGNAL WILL BEGIN OPERATION IN STAGE 2. TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE TURNED OR BAGGED DURING STAGE 1.
4. THE PHASE 8 THROUGH MOVEMENT IS NOT ALLOWED DURING STAGE 2A AND STAGE 2B. PHASE 8 TRAFFIC SIGNAL HEADS SHOULD BE REVISED AS INDICATED IN THE DRAWINGS.
5. PHASE 8 IS NOT ACTIVE DURING STAGE 3. PHASE 8 TRAFFIC SIGNAL HEADS SHOULD BE BAGGED OR REMOVED DURING STAGE 3.
6. CONTRACTOR SHALL PROVIDE NON-INTRUSIVE DETECTION FOR ALL DETECTION ZONES. DETECTOR EQUIPMENT PLACEMENT MAY REQUIRE ADDITIONAL POLE INSTALLATIONS WHICH ARE CONSIDERED INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL BID ITEM.

TRAFFIC CONTROL SIGNAL
PLEASANT VIEW RD AND BLACKHAWK RD
CITY OF MADISON
DANE COUNTY

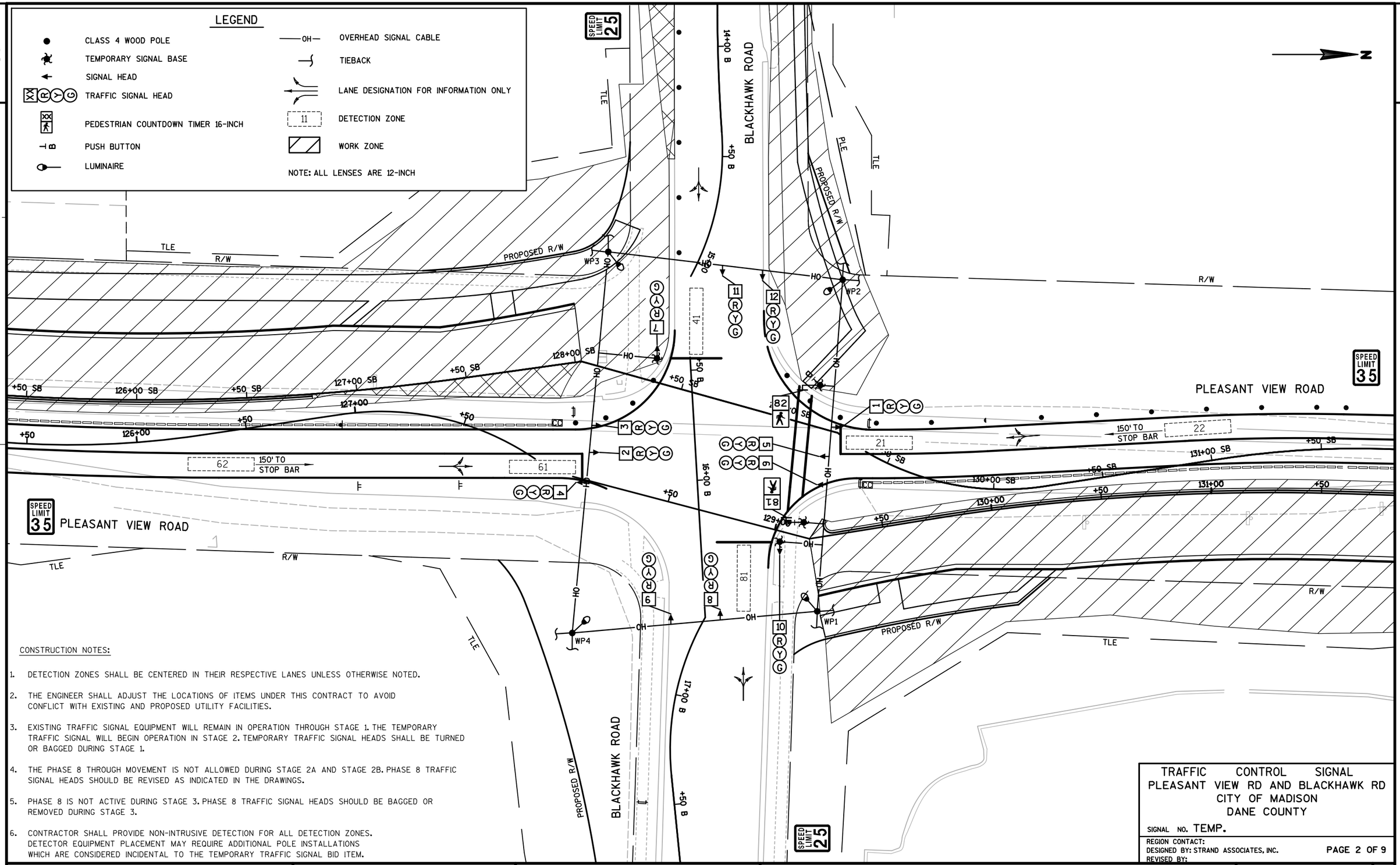
SIGNAL NO. TEMP.

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC.
REVISED BY:

PAGE 1 OF 9

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\024010_sp.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



CONSTRUCTION NOTES:

1. DETECTION ZONES SHALL BE CENTERED IN THEIR RESPECTIVE LANES UNLESS OTHERWISE NOTED.
2. THE ENGINEER SHALL ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING AND PROPOSED UTILITY FACILITIES.
3. EXISTING TRAFFIC SIGNAL EQUIPMENT WILL REMAIN IN OPERATION THROUGH STAGE 1. THE TEMPORARY TRAFFIC SIGNAL WILL BEGIN OPERATION IN STAGE 2. TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE TURNED OR BAGGED DURING STAGE 1.
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5. PHASE 8 IS NOT ACTIVE DURING STAGE 3. PHASE 8 TRAFFIC SIGNAL HEADS SHOULD BE BAGGED OR REMOVED DURING STAGE 3.
6. CONTRACTOR SHALL PROVIDE NON-INTRUSIVE DETECTION FOR ALL DETECTION ZONES. DETECTOR EQUIPMENT PLACEMENT MAY REQUIRE ADDITIONAL POLE INSTALLATIONS WHICH ARE CONSIDERED INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL BID ITEM.

TRAFFIC CONTROL SIGNAL
PLEASANT VIEW RD AND BLACKHAWK RD
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP.

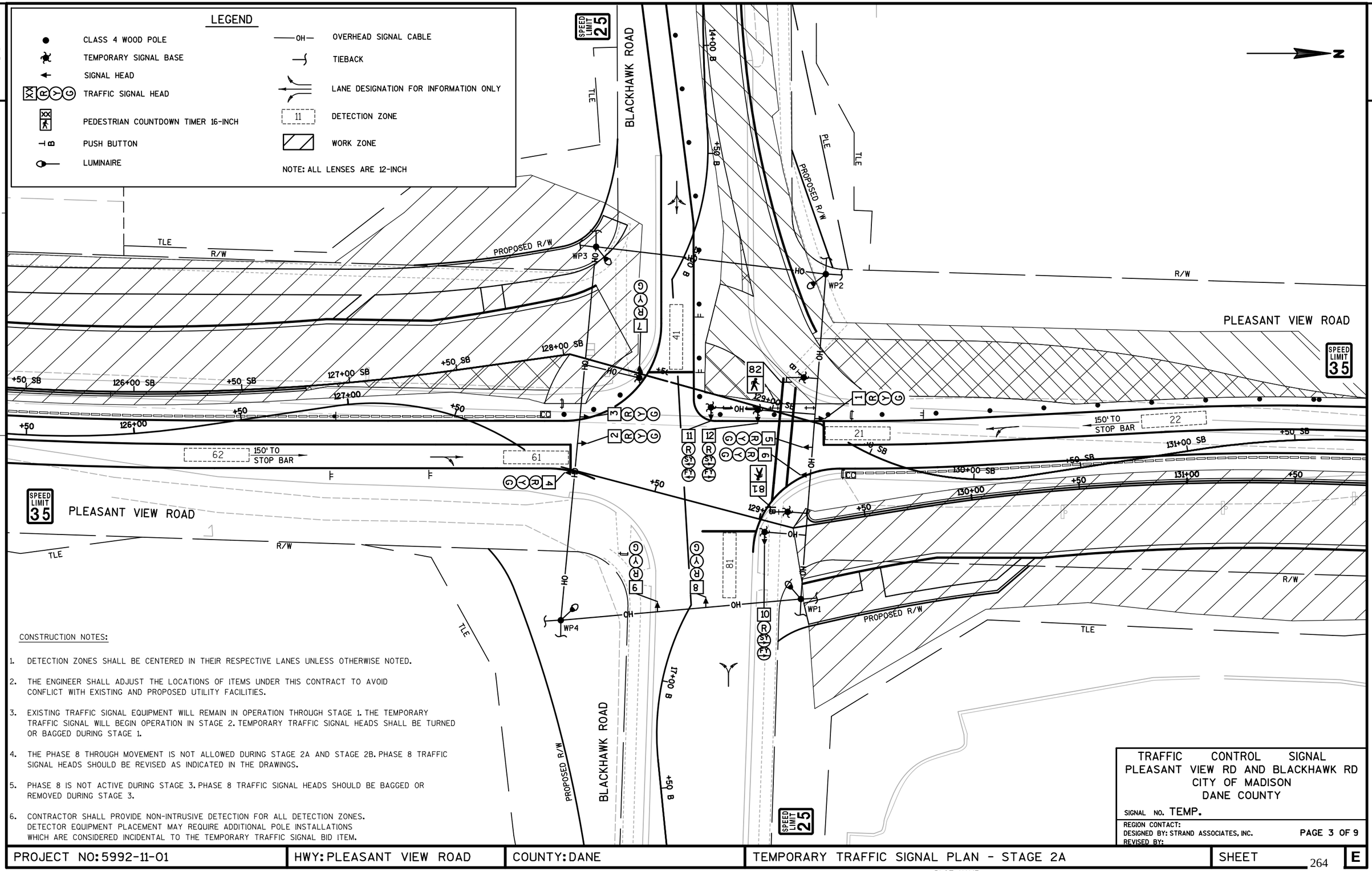
REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC.
REVISED BY:

PAGE 2 OF 9

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET 263 E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\024011_sp.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42



CONSTRUCTION NOTES:

1. DETECTION ZONES SHALL BE CENTERED IN THEIR RESPECTIVE LANES UNLESS OTHERWISE NOTED.
2. THE ENGINEER SHALL ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING AND PROPOSED UTILITY FACILITIES.
3. EXISTING TRAFFIC SIGNAL EQUIPMENT WILL REMAIN IN OPERATION THROUGH STAGE 1. THE TEMPORARY TRAFFIC SIGNAL WILL BEGIN OPERATION IN STAGE 2. TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE TURNED OR BAGGED DURING STAGE 1.
4. THE PHASE 8 THROUGH MOVEMENT IS NOT ALLOWED DURING STAGE 2A AND STAGE 2B. PHASE 8 TRAFFIC SIGNAL HEADS SHOULD BE REVISED AS INDICATED IN THE DRAWINGS.
5. PHASE 8 IS NOT ACTIVE DURING STAGE 3. PHASE 8 TRAFFIC SIGNAL HEADS SHOULD BE BAGGED OR REMOVED DURING STAGE 3.
6. CONTRACTOR SHALL PROVIDE NON-INTRUSIVE DETECTION FOR ALL DETECTION ZONES. DETECTOR EQUIPMENT PLACEMENT MAY REQUIRE ADDITIONAL POLE INSTALLATIONS WHICH ARE CONSIDERED INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL BID ITEM.

TRAFFIC CONTROL SIGNAL
PLEASANT VIEW RD AND BLACKHAWK RD
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP.

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC.
REVISED BY:

PAGE 3 OF 9

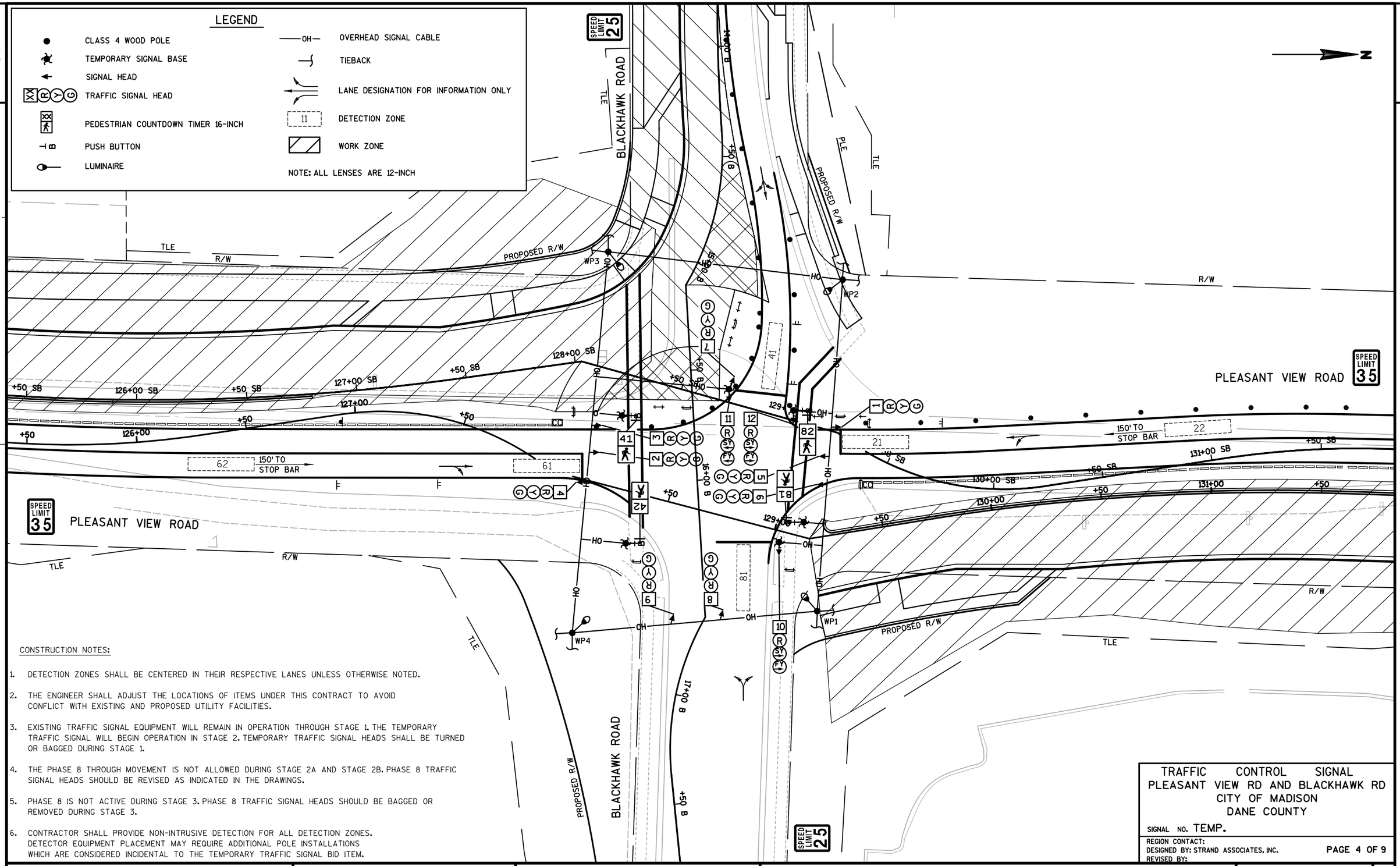
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\024012_sp.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

- CLASS 4 WOOD POLE
- TEMPORARY SIGNAL BASE
- SIGNAL HEAD
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN COUNTDOWN TIMER 16-INCH
- PUSH BUTTON
- LUMINAIRE
- OVERHEAD SIGNAL CABLE
- TIEBACK
- LANE DESIGNATION FOR INFORMATION ONLY
- DETECTION ZONE
- WORK ZONE

NOTE: ALL LENSES ARE 12-INCH



CONSTRUCTION NOTES:

1. DETECTION ZONES SHALL BE CENTERED IN THEIR RESPECTIVE LANES UNLESS OTHERWISE NOTED.
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4. THE PHASE 8 THROUGH MOVEMENT IS NOT ALLOWED DURING STAGE 2A AND STAGE 2B. PHASE 8 TRAFFIC SIGNAL HEADS SHOULD BE REVISED AS INDICATED IN THE DRAWINGS.
5. PHASE 8 IS NOT ACTIVE DURING STAGE 3. PHASE 8 TRAFFIC SIGNAL HEADS SHOULD BE BAGGED OR REMOVED DURING STAGE 3.
6. CONTRACTOR SHALL PROVIDE NON-INTRUSIVE DETECTION FOR ALL DETECTION ZONES. DETECTOR EQUIPMENT PLACEMENT MAY REQUIRE ADDITIONAL POLE INSTALLATIONS WHICH ARE CONSIDERED INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL BID ITEM.

TRAFFIC CONTROL SIGNAL
PLEASANT VIEW RD AND BLACKHAWK RD
CITY OF MADISON
DANE COUNTY

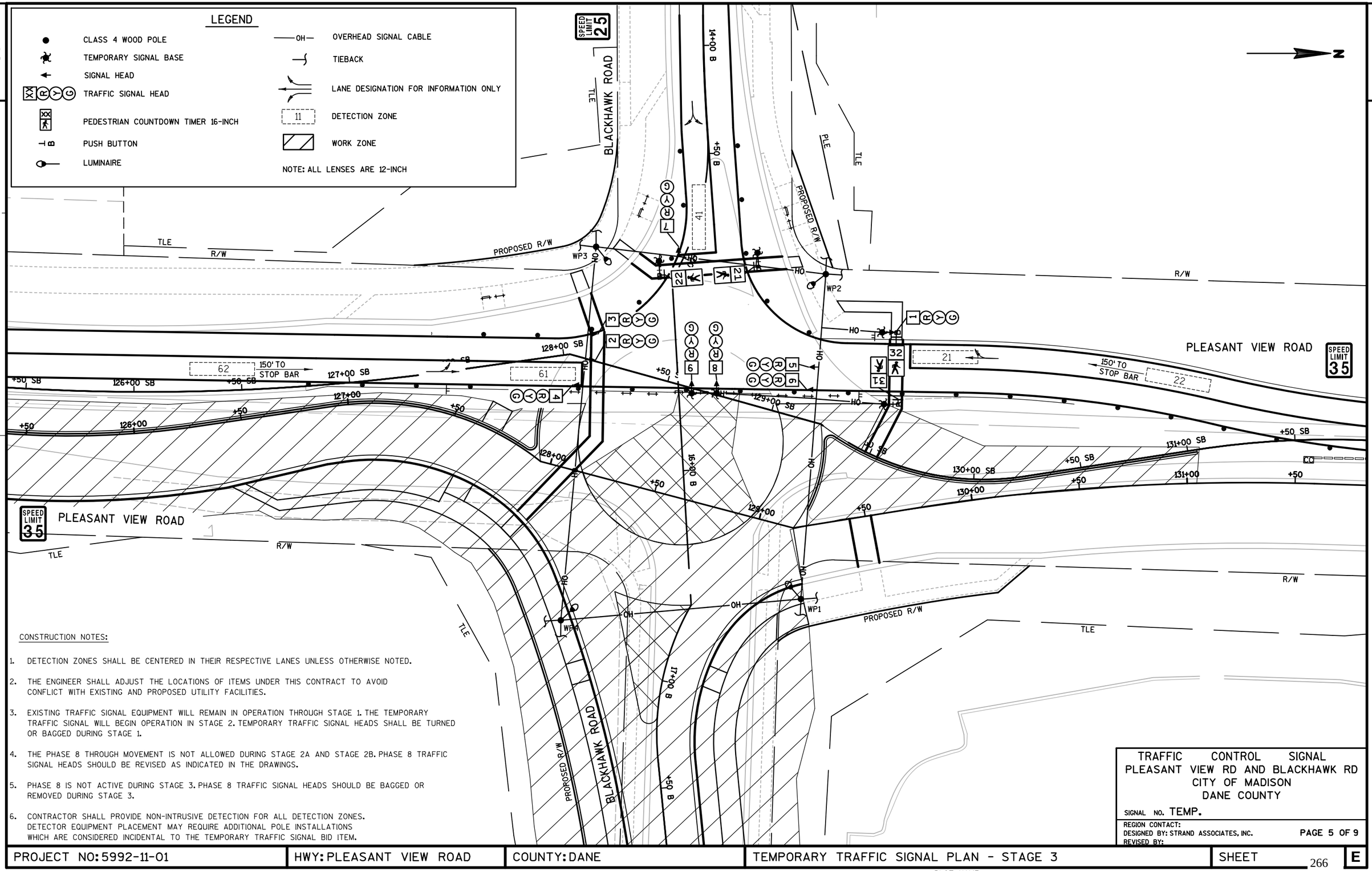
SIGNAL NO. TEMP.

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC.
REVISED BY:

PAGE 4 OF 9

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2B	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\024013_sp.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



CONSTRUCTION NOTES:

1. DETECTION ZONES SHALL BE CENTERED IN THEIR RESPECTIVE LANES UNLESS OTHERWISE NOTED.
2. THE ENGINEER SHALL ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING AND PROPOSED UTILITY FACILITIES.
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4. THE PHASE 8 THROUGH MOVEMENT IS NOT ALLOWED DURING STAGE 2A AND STAGE 2B. PHASE 8 TRAFFIC SIGNAL HEADS SHOULD BE REVISED AS INDICATED IN THE DRAWINGS.
5. PHASE 8 IS NOT ACTIVE DURING STAGE 3. PHASE 8 TRAFFIC SIGNAL HEADS SHOULD BE BAGGED OR REMOVED DURING STAGE 3.
6. CONTRACTOR SHALL PROVIDE NON-INTRUSIVE DETECTION FOR ALL DETECTION ZONES. DETECTOR EQUIPMENT PLACEMENT MAY REQUIRE ADDITIONAL POLE INSTALLATIONS WHICH ARE CONSIDERED INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL BID ITEM.

TRAFFIC CONTROL SIGNAL
PLEASANT VIEW RD AND BLACKHAWK RD
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP.

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC.
REVISED BY:

PAGE 5 OF 9

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3	SHEET E

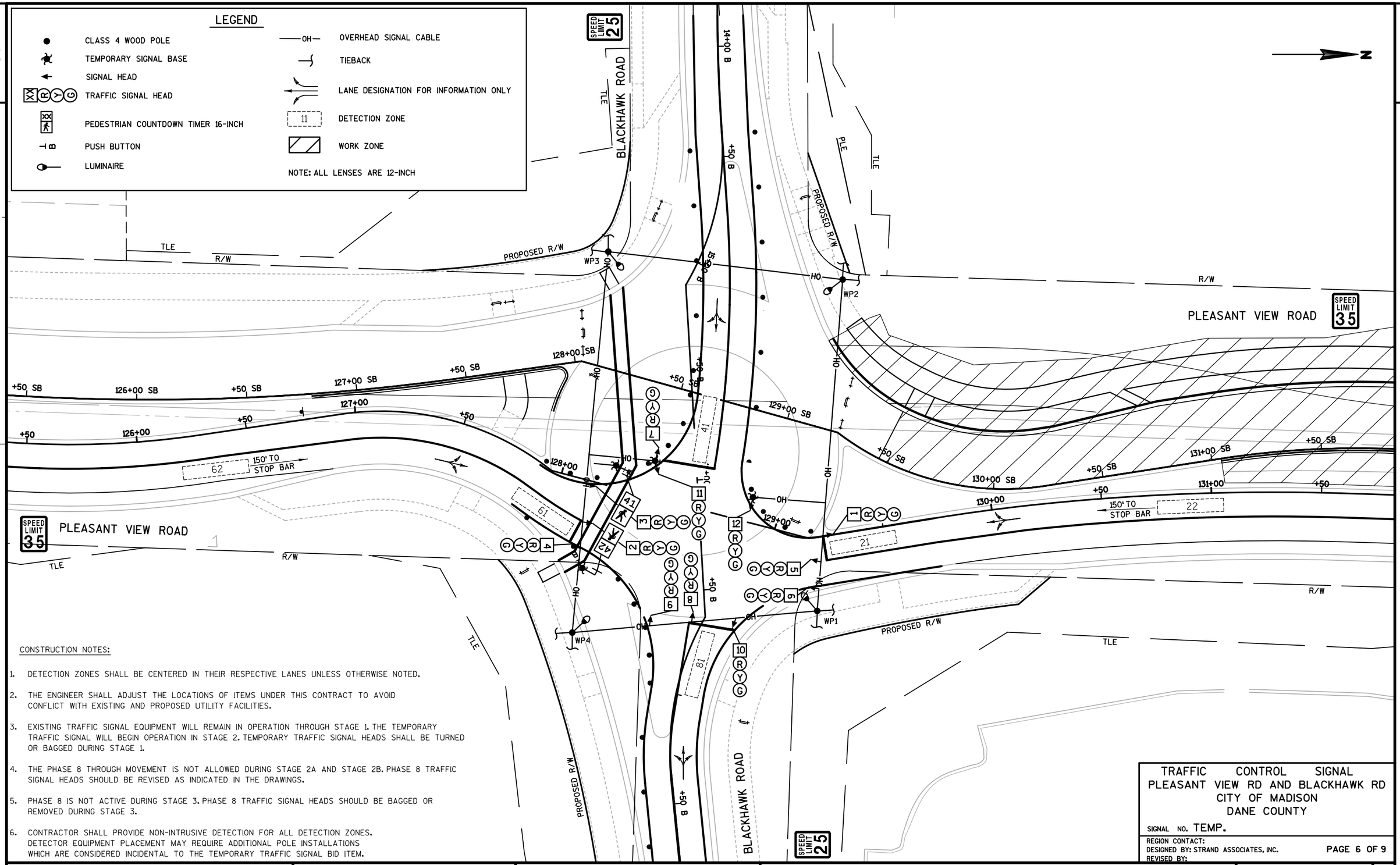
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WISDOT/CADDS SHEET 42

LEGEND

- CLASS 4 WOOD POLE
- TEMPORARY SIGNAL BASE
- SIGNAL HEAD
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN COUNTDOWN TIMER 16-INCH
- PUSH BUTTON
- LUMINAIRE
- OVERHEAD SIGNAL CABLE
- TIEBACK
- LANE DESIGNATION FOR INFORMATION ONLY
- DETECTION ZONE
- WORK ZONE

NOTE: ALL LENSES ARE 12-INCH



CONSTRUCTION NOTES:

1. DETECTION ZONES SHALL BE CENTERED IN THEIR RESPECTIVE LANES UNLESS OTHERWISE NOTED.
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4. THE PHASE 8 THROUGH MOVEMENT IS NOT ALLOWED DURING STAGE 2A AND STAGE 2B. PHASE 8 TRAFFIC SIGNAL HEADS SHOULD BE REVISED AS INDICATED IN THE DRAWINGS.
5. PHASE 8 IS NOT ACTIVE DURING STAGE 3. PHASE 8 TRAFFIC SIGNAL HEADS SHOULD BE BAGGED OR REMOVED DURING STAGE 3.
6. CONTRACTOR SHALL PROVIDE NON-INTRUSIVE DETECTION FOR ALL DETECTION ZONES. DETECTOR EQUIPMENT PLACEMENT MAY REQUIRE ADDITIONAL POLE INSTALLATIONS WHICH ARE CONSIDERED INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL BID ITEM.

TRAFFIC CONTROL SIGNAL
PLEASANT VIEW RD AND BLACKHAWK RD
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP.

REGION CONTACT:
DESIGNED BY: STRAND ASSOCIATES, INC.
REVISED BY:

PAGE 6 OF 9

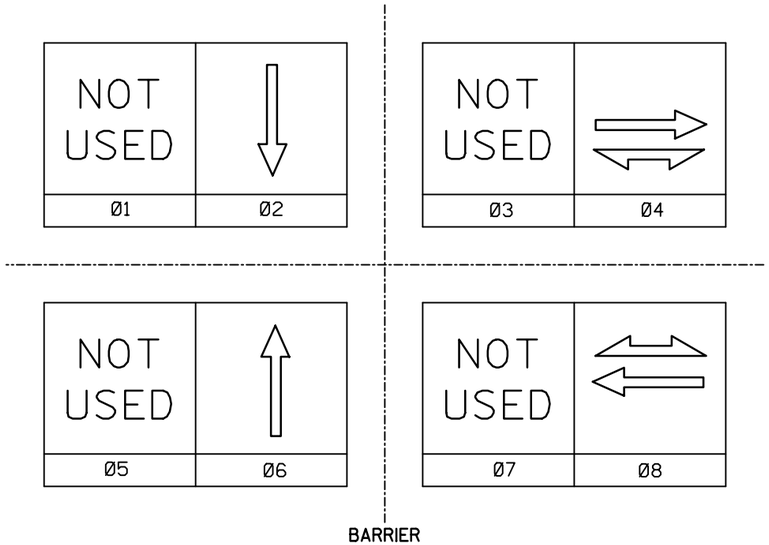
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\024015_sp.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	1-3	R
Ø3		
Ø4	7-9	R
Ø5		
Ø6	4-6	R
Ø7		
Ø8	10-12	R
O.L. A		
O.L. B		
O.L. C		
O.L. D		
Ø2P		
Ø3P		
Ø4P	41, 42	
Ø8P	81, 82	

RING 1





CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2		6	MIN	X
3				
4		8		X
5				
6		2	MIN	X
7				
8		4		X

TYPE OF INTERCONNECT COMMUNICATION	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	
RADIO	
*LOCATION OF MASTER CONTROLLER NO:	
SIGNAL SYSTEM *:	SS- -

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

OVERLAPS

O.L. "A" =	NONE
O.L. "B" =	
O.L. "C" =	
O.L. "D" =	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR *(S)	21	41	61	81	---	---	---	---
PHASE CALLED		4		8				
PHASE EXTENDED	2	4	6	8				
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								DETECTOR *(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR *(S)	22	---	62	---	---	---	---	---
PHASE CALLED								
PHASE EXTENDED	2		6					
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								DETECTOR *(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

GENERAL NOTES:

1. SEQUENCE OF OPERATIONS PROVIDED FOR INFORMATION ONLY
2. PHASE 4 PED ACTIVE DURING STAGE 4
3. PHASE 8 PED ACTIVE DURING STAGE 2

PLEASANT VIEW RD &
BLACKHAWK RD
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

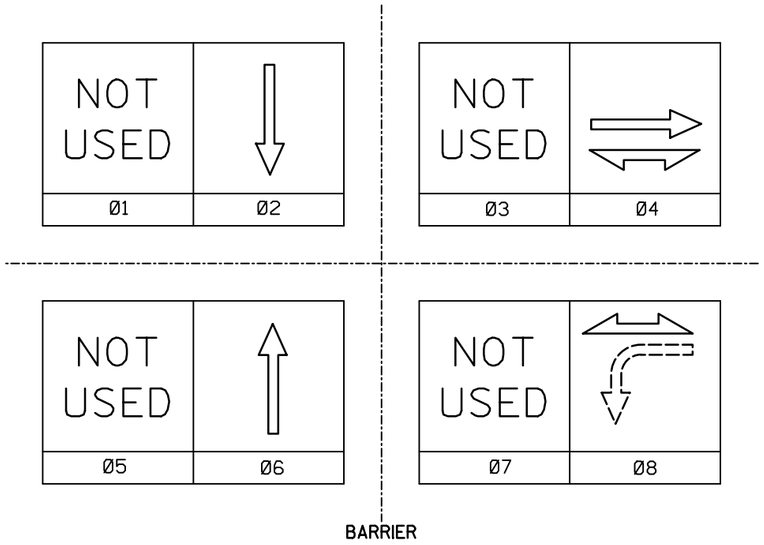
CONTROLLER TYPE: TEMP

DATE ----

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\024020_ph.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

RING 1

	HEAD NUMBERS	FLASH
Ø1		
Ø2	1-3	R
Ø3		
Ø4	7-9	R
Ø5		
Ø6	4-6	R
Ø7		
Ø8	10-12	R
O.L. A		
O.L. B		
O.L. C		
O.L. D		
Ø2P		
Ø3P		
Ø4P	41, 42	
Ø8P	81, 82	





CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2		6	MIN	X
3				
4		8		X
5				
6		2	MIN	X
7				
8		4		X

OVERLAPS

O.L. "A" =	NONE
O.L. "B" =	
O.L. "C" =	
O.L. "D" =	

TYPE OF INTERCONNECT COMMUNICATION	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	
RADIO	
*LOCATION OF MASTER CONTROLLER NO:	
SIGNAL SYSTEM *:	SS- -

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	21	41	61	81	---	---	---	---
PHASE CALLED		4		8				
PHASE EXTENDED	2	4	6	8				
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								DETECTOR #(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)	22	---	62	---	---	---	---	---
PHASE CALLED								
PHASE EXTENDED	2		6					
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								DETECTOR #(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

GENERAL NOTES:

1. SEQUENCE OF OPERATIONS PROVIDED FOR INFORMATION ONLY
2. PHASE 8 THRU MOVEMENT DOES NOT OCCUR DURING STAGE 2A AND STAGE 2B
3. PHASE 4 PED ACTIVE DURNG STAGE 2B
4. PHASE 8 PED ACTIVE DURING STAGE 2A AND STAGE 2B

PLEASANT VIEW RD &
BLACKHAWK RD
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

CONTROLLER TYPE: TEMP

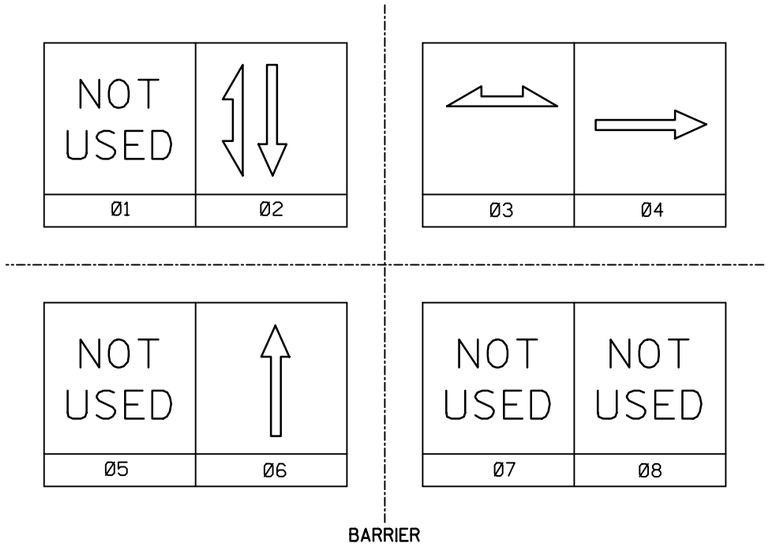
DATE ----

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	TEMPORARY SEQUENCE OF OPERATIONS - STAGE 2A AND STAGE 2B	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\024021_ph.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	1-3	R
Ø3		
Ø4	7-9	R
Ø5		
Ø6	4-6	R
Ø7		
Ø8		
O.L. A		
O.L. B		
O.L. C		
O.L. D		
Ø2P	21, 22	
Ø3P	31, 32	
Ø4P		
Ø8P		

RING 1





CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2		6	MIN	X
3				X
4		8		X
5				
6		2	MIN	X
7				
8		4		X

OVERLAPS

O.L. "A" =	NONE
O.L. "B" =	
O.L. "C" =	
O.L. "D" =	

TYPE OF INTERCONNECT COMMUNICATION	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	
RADIO	
*LOCATION OF MASTER CONTROLLER NO:	
SIGNAL SYSTEM *:	SS- -

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR *(S)	21	41	61	---	---	---	---	---
PHASE CALLED		4						
PHASE EXTENDED	2	4	6					
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								DETECTOR *(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR *(S)	22	---	62	---	---	---	---	---
PHASE CALLED								
PHASE EXTENDED	2		6					
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								DETECTOR *(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

GENERAL NOTES:

1. SEQUENCE OF OPERATIONS PROVIDED FOR INFORMATION ONLY
2. PHASE 3 IS ONLY ACTIVE WHEN CALLED BY PEDESTRIAN PUSH BUTTON
3. PHASE 8 IS NOT ACTIVE DURING STAGE 3

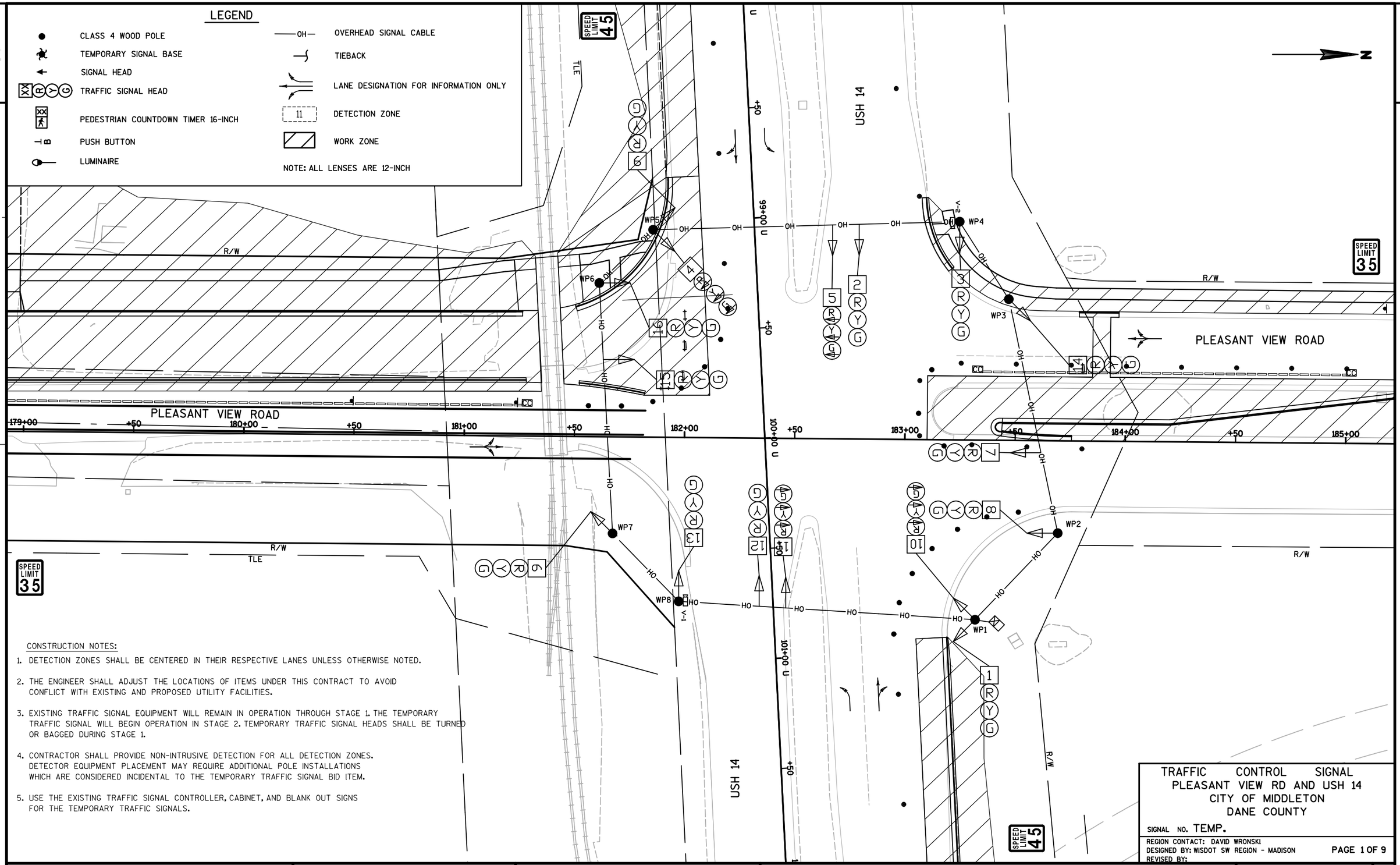
PLEASANT VIEW RD & BLACKHAWK RD
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

CONTROLLER TYPE: TEMP

DATE ----

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\024022_ph.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



CONSTRUCTION NOTES:

1. DETECTION ZONES SHALL BE CENTERED IN THEIR RESPECTIVE LANES UNLESS OTHERWISE NOTED.
2. THE ENGINEER SHALL ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING AND PROPOSED UTILITY FACILITIES.
3. EXISTING TRAFFIC SIGNAL EQUIPMENT WILL REMAIN IN OPERATION THROUGH STAGE 1. THE TEMPORARY TRAFFIC SIGNAL WILL BEGIN OPERATION IN STAGE 2. TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE TURNED OR BAGGED DURING STAGE 1.
4. CONTRACTOR SHALL PROVIDE NON-INTRUSIVE DETECTION FOR ALL DETECTION ZONES. DETECTOR EQUIPMENT PLACEMENT MAY REQUIRE ADDITIONAL POLE INSTALLATIONS WHICH ARE CONSIDERED INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL BID ITEM.
5. USE THE EXISTING TRAFFIC SIGNAL CONTROLLER, CABINET, AND BLANK OUT SIGNS FOR THE TEMPORARY TRAFFIC SIGNALS.

TRAFFIC CONTROL SIGNAL
PLEASANT VIEW RD AND USH 14
CITY OF MIDDLETON
DANE COUNTY

SIGNAL NO. TEMP.

REGION CONTACT: DAVID WRONSKI
DESIGNED BY: WISDOT SW REGION - MADISON
REVISED BY:

PAGE 1 OF 9

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET	E

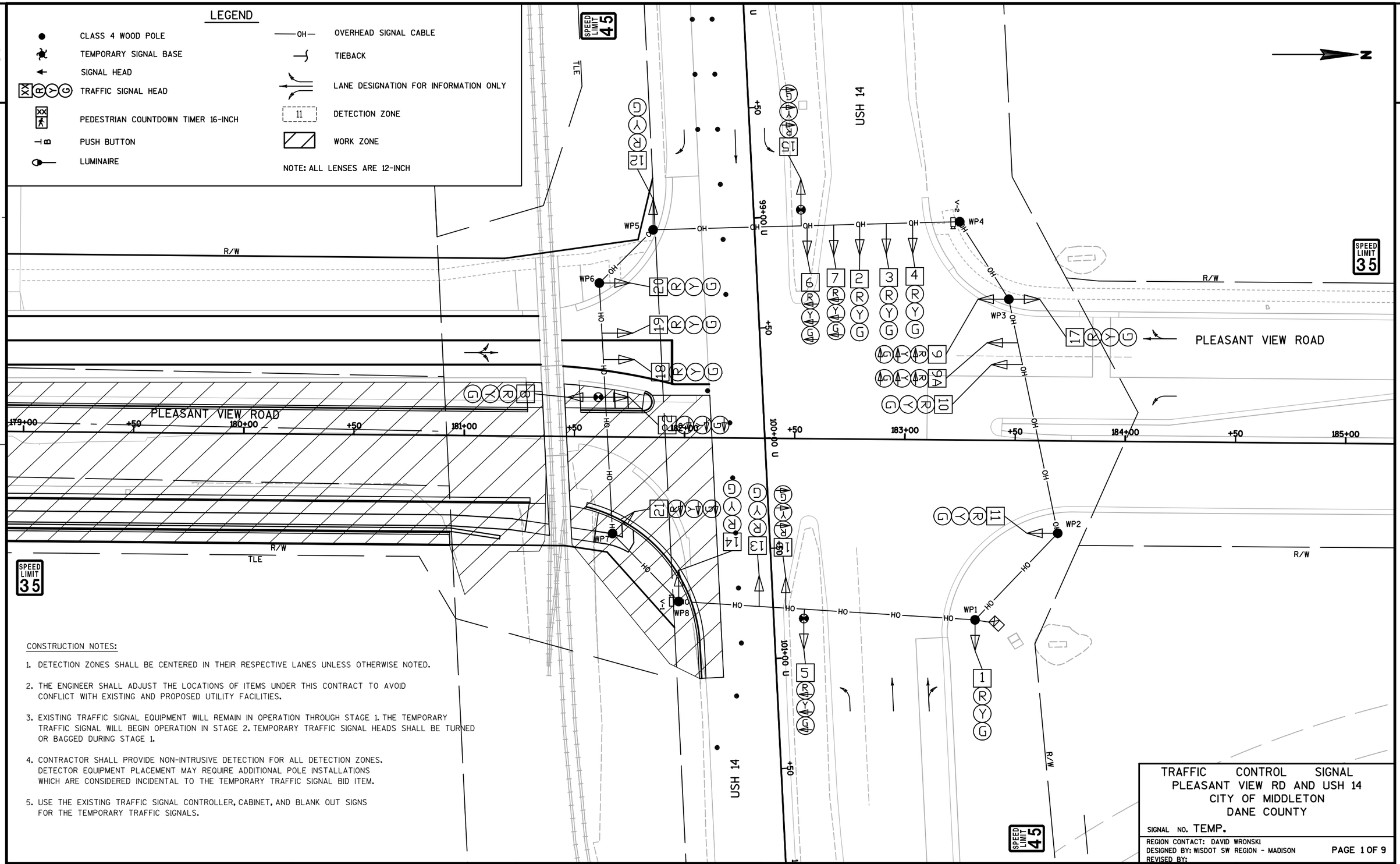
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WISDOT/CADDS SHEET 42

LEGEND

- CLASS 4 WOOD POLE
- TEMPORARY SIGNAL BASE
- SIGNAL HEAD
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN COUNTDOWN TIMER 16-INCH
- PUSH BUTTON
- LUMINAIRE
- OVERHEAD SIGNAL CABLE
- TIEBACK
- LANE DESIGNATION FOR INFORMATION ONLY
- DETECTION ZONE
- WORK ZONE

NOTE: ALL LENSES ARE 12-INCH



CONSTRUCTION NOTES:

1. DETECTION ZONES SHALL BE CENTERED IN THEIR RESPECTIVE LANES UNLESS OTHERWISE NOTED.
2. THE ENGINEER SHALL ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING AND PROPOSED UTILITY FACILITIES.
3. EXISTING TRAFFIC SIGNAL EQUIPMENT WILL REMAIN IN OPERATION THROUGH STAGE 1. THE TEMPORARY TRAFFIC SIGNAL WILL BEGIN OPERATION IN STAGE 2. TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE TURNED OR BAGGED DURING STAGE 1.
4. CONTRACTOR SHALL PROVIDE NON-INTRUSIVE DETECTION FOR ALL DETECTION ZONES. DETECTOR EQUIPMENT PLACEMENT MAY REQUIRE ADDITIONAL POLE INSTALLATIONS WHICH ARE CONSIDERED INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL BID ITEM.
5. USE THE EXISTING TRAFFIC SIGNAL CONTROLLER, CABINET, AND BLANK OUT SIGNS FOR THE TEMPORARY TRAFFIC SIGNALS.

TRAFFIC CONTROL SIGNAL
PLEASANT VIEW RD AND USH 14
CITY OF MIDDLETON
DANE COUNTY

SIGNAL NO. TEMP.

REGION CONTACT: DAVID WRONSKI
DESIGNED BY: WISDOT SW REGION - MADISON
REVISED BY:

PAGE 1 OF 9

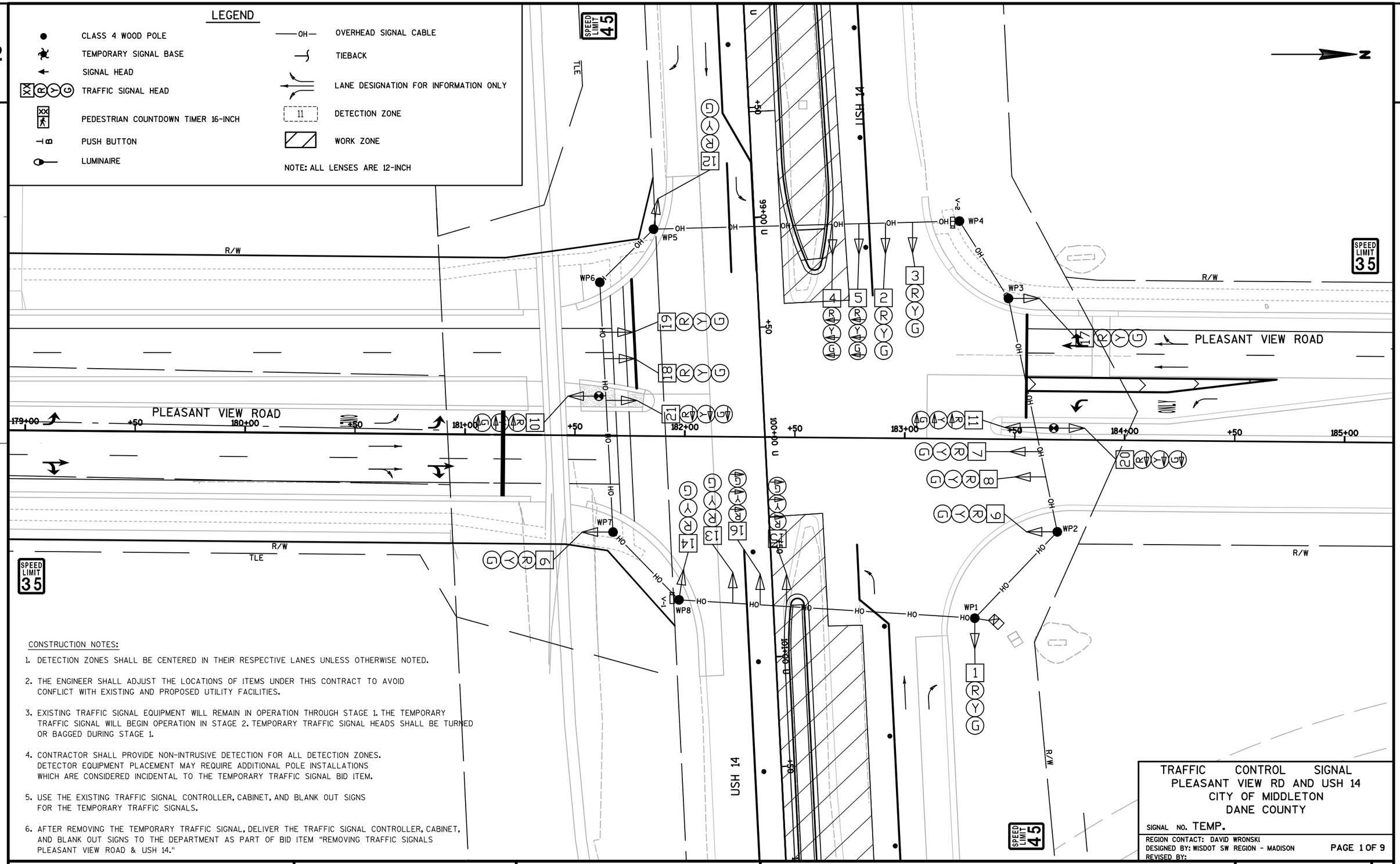
PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\024031_sp.dgn PLOT DATE : 4/23/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

- CLASS 4 WOOD POLE
- TEMPORARY SIGNAL BASE
- SIGNAL HEAD
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN COUNTDOWN TIMER 16-INCH
- PUSH BUTTON
- LUMINAIRE
- OVERHEAD SIGNAL CABLE
- TIEBACK
- LANE DESIGNATION FOR INFORMATION ONLY
- DETECTION ZONE
- WORK ZONE

NOTE: ALL LENSES ARE 12-INCH



CONSTRUCTION NOTES:

1. DETECTION ZONES SHALL BE CENTERED IN THEIR RESPECTIVE LANES UNLESS OTHERWISE NOTED.
2. THE ENGINEER SHALL ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING AND PROPOSED UTILITY FACILITIES.
3. EXISTING TRAFFIC SIGNAL EQUIPMENT WILL REMAIN IN OPERATION THROUGH STAGE 1. THE TEMPORARY TRAFFIC SIGNAL WILL BEGIN OPERATION IN STAGE 2. TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE TURNED OR BAGGED DURING STAGE 1.
4. CONTRACTOR SHALL PROVIDE NON-INTRUSIVE DETECTION FOR ALL DETECTION ZONES. DETECTOR EQUIPMENT PLACEMENT MAY REQUIRE ADDITIONAL POLE INSTALLATIONS WHICH ARE CONSIDERED INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL BID ITEM.
5. USE THE EXISTING TRAFFIC SIGNAL CONTROLLER, CABINET, AND BLANK OUT SIGNS FOR THE TEMPORARY TRAFFIC SIGNALS.
6. AFTER REMOVING THE TEMPORARY TRAFFIC SIGNAL, DELIVER THE TRAFFIC SIGNAL CONTROLLER, CABINET, AND BLANK OUT SIGNS TO THE DEPARTMENT AS PART OF BID ITEM "REMOVING TRAFFIC SIGNALS PLEASANT VIEW ROAD & USH 14."

TRAFFIC CONTROL SIGNAL
PLEASANT VIEW RD AND USH 14
CITY OF MIDDLETON
DANE COUNTY

SIGNAL NO. TEMP.

REGION CONTACT: DAVID WRONSKI
DESIGNED BY: WISDOT SW REGION - MADISON
REVISED BY:

PAGE 1 OF 9

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4	SHEET 273	E

LEGEND

- TRAFFIC CONTROLLER CABINET
- PULL BOXES NON-CONDUCTIVE 24x42-INCH
- CONCRETE BASE, PEDESTAL BASE, TRAFFIC SIGNAL STANDARD & TRAFFIC SIGNAL INDICATION
- CONCRETE BASE, TRANSFORMER BASE & SIGNAL POLE
- CONCRETE BASE, MONOTUBE POLE & MAST ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN INDICATION
- PEDESTRIAN BUTTON & INDICATION
- LUMINAIRE ARM & TYPE C LUMINAIRE
- MICROWAVE SIGNAL REPEATER
- TRAFFIC SIGNAL CAMERA
- MICROWAVE DETECTOR
- BLANK OUT SIGN

MONOTUBE STRUCTURE NUMBERS	
SB-3	S13-0414-0002
SB-5	S13-0414-0004
SB-8	S13-0414-0006
SB-10	S13-0414-0008

N

PLEASANT VIEW ROAD

USH 14 (UNIVERSITY AVE.)

SIGNAL BASE SB-10 TO BE FIELD LOCATED TO AVOID UTILITY IMPACTS

160' TO STOP BAR

365' TO STOP BAR

250' TO STOP BAR

RAILROAD BUNGALOW

RAILROAD PREEMPT CABLE

REROUTE EXISTING RAILROAD PREEMPT CABLE THROUGH PB-4 AND RECONNECT IN THE CABINET.

REROUTE EXISTING RAILROAD PREEMPT CABLE THROUGH PB-8 AND RECONNECT IN THE CABINET.

SB-10 SB-9 SB-8 SB-7 SB-6 SB-5 SB-4 SB-3 SB-2 SB-1 SB-11

PB-10 PB-11 PB-12 PB-13 PB-14 PB-1 PB-2 PB-3 PB-4 PB-5 PB-6 PB-7 PB-8 PB-9

CB-1 BOS-1 BOS-2 V-1

M1 M2 M13 M14 M24 M25 M64 M65

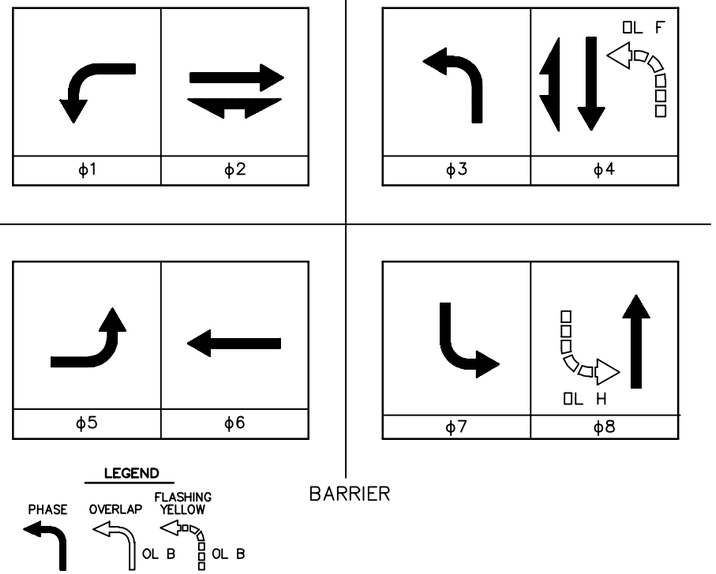
V2 V11 V12 V21 V22 V23 V31 V32 V33 V41 V42 V51 V61 V62 V63 V71 V72 V81 V82 V83 V84 V85 V86

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 274	E

HEAD ASSIGNMENTS		
PHASE	HEAD NUMBERS	FLASH
ϕ1	11,12,13	R
ϕ2	21,22,23	R
ϕ3	31,32	R
ϕ4	41,42,43	R
ϕ5	51,52,53	R
ϕ6	61,62,63	R
ϕ7	71,72	R
ϕ8	81,82,83	R
ϕ2 PED	90,91	
ϕ4 PED	92,93	
ϕ6 PED		
ϕ8 PED		

O.L. ASSIGNMENTS			
OL A			
OL B			
OL C			
OL D			
OL E			
OL F	31,32		ϕ4
OL G			
OL H	71,72		ϕ8

N



GENERAL NOTES

1. THE SIGNAL SHALL BE INTERCONNECTED TO THE PLEASANT VIEW ROAD AND THE USH 14 RAILROAD CROSSING WARNING DEVICES TO PROVIDE PRE-EMPTION OF THE TRAFFIC SIGNAL WHEN RAIL TRAFFIC USES THESE CROSSINGS.
2. THE SIGNAL REMAINS OPERATIONAL TO LOW BATTERY POINT ON BATTERY BACK-UP, THEN GOES INTO FLASH. THE SIGNAL GOES INTO FLASH IF AN ERROR FROM THE RAILROAD IS RECEIVED

DETECTOR LOGIC

	VIDEO DETECTION								VIDEO DETECTION								MICROWAVE DETECTION								
DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	35	33	39	37	43	41	47	45	DETECTOR INPUT
DETECTOR #(S)	V12	V22		V32		V42	V44			V62		V72		V82	V84	V86	M14	M24	M64						DETECTOR #(S)
PHASE CALLED	1	2		3		4	4			6		7		8	8	8	1	2	6						PHASE CALLED
PHASE EXTENDED	1	2		3		4	4			6		7		8	8	8	1	2	6						PHASE EXTENDED
DISCONNECT TIME																									DISCONNECT TIME
CALLING DELAY																									CALLING DELAY
EXTENSION STRETCH																									EXTENSION STRETCH
LOOP FUNCTION																									LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	36	34	40	38	44	42	48	46	DETECTOR INPUT
DETECTOR #(S)	V11	V21	V23	V31	V33	V41	V43	V45	V51	V61	V63	V71	V73	V81	V83	V85	M13	M25	M65						DETECTOR #(S)
PHASE CALLED	1	2	2	8	3	4	4	4	5	6	6	4	7	8	8	8	1	2	6						PHASE CALLED
PHASE EXTENDED	1	2	2	8	3	4	4	4	5	6	6	4	7	8	8	8	1	2	6						PHASE EXTENDED
DISCONNECT TIME																									DISCONNECT TIME
CALLING DELAY														20											CALLING DELAY
EXTENSION STRETCH																									EXTENSION STRETCH
LOOP FUNCTION		COUNT				COUNT				COUNT															LOOP FUNCTION

DIS = DISCONNECT
NIU = NOT IN USE
PASS = PASSAGE
COUNT = COUNTING LOOP

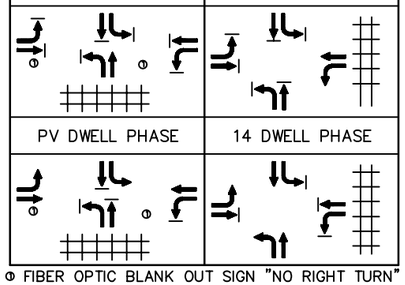
PREEMPTION ASSIGNMENTS			
PREEMPTION DESIGNATION	PREEMPTION TYPE	EVP CHANNEL	PHASE(S) CALLED
1	RR PV XING		
2	RR 14 XING		
3	NOT USED		
4	NOT USED		
5	NOT USED		
6	NOT USED		
7	NOT USED		
8	NOT USED		
9	NOT USED		
10	NOT USED		

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPERATE DOT LIGHTING CABINET	

CENTRAL SYSTEM
LOCATION OF MASTER:
CONTROLLER NO. SXX-XXXX
SIGNAL SYSTEM NO. SS13-0106

TYPE OF PREEMPTION	
NONE	
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	

PREEMPTION CYCLES



① FIBER OPTIC BLANK OUT SIGN "NO RIGHT TURN"

CONTROLLER LOGIC				
PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W/ϕ	PHASE RECALL	PHASE ACTIVE
ϕ1				X
ϕ2	X	ϕ6	X	X
ϕ3				X
ϕ4	X	ϕ8		X
ϕ5				X
ϕ6	X	ϕ2	X	X
ϕ7				X
ϕ8	X	ϕ4		X

TYPE OF INTERCONNECT	
NONE	
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	X
RADIO	

TYPE OF PREEMPTION	
NONE	
RAILROAD	X
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF REMOTE COMMUNICATION	
NONE	
FIBER OPTIC	
CELL MODEM	X
PHONE	

TRAFFIC CONTROL SIGNAL
USH 14 & PLEASANT VIEW ROAD
CITY OF MIDDLETON — DANE COUNTY
SIGNAL NO. S13-0414
REGION CONTACT:
DESIGNED BY:
REVISED BY:
PAGE OF

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	TRAFFIC SIGNAL SEQUENCE OF OPERATIONS	SHEET OF

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : S-400,seq,rev2 PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS

USH 14 & PLEASANT VIEW DRIVE
TRAFFIC SIGNAL CABLING CHART
NO. 14 CABLE

CABLE RUN	CABLE	HEAD NUMBER	MOVEMENT	LENS	CONDUCTOR COLOR	REMARKS
CB–1 TO SB–1	9C	52	EB LT	R	R	ϕ5
				Y	O	
				FYA	W/BLK	
				G	G	
		61	WB	R	R/BLK	ϕ6
				Y	BLK	
				G	G/BLK	
CB–1 TO SB–2	12C	51	EB LT	R	R	ϕ1
				Y	O	
				FYA	W/BLK	
				G	G	
		13	WB LT	R	R/BLK	ϕ5
				Y	O/BLK	
				FYA	BLU/BLK	
				G	G/BLK	
CB–1 TO SB–3	9C	22	EB	R	R	ϕ2
				Y	O	
				G	G	
		23	EB	R	R/BLK	ϕ2
				Y	O/BLK	
				G	G/BLK	
		NO RIGHT TURN	EB		BLK	
CB–1 TO SB–4	12C	72	SB LT	R	R/BLK	ϕ7
				Y	O/BLK	
				FYA	BLU/BLK	
				G	G/BLK	
		81	NB	R	R	ϕ8
				Y	O	
				G	G	
		90	S LEG	W	BLU	ϕ2 PED
				DW	BLK	
				PB	W/BLK	
CB–1 TO SB–5	12C	33	NB LT	R	R	ϕ3
				Y	O	
				FYA	BLU	
				G	G	
		71	SB LT	R	R/BLK	ϕ7
				Y	O/BLK	
				FYA	W/BLK	
				G	G/BLK	

USH 14 & PLEASANT VIEW DRIVE
TRAFFIC SIGNAL CABLING CHART
NO. 14 CABLE

CABLE RUN	CABLE	HEAD NUMBER	MOVEMENT	LENS	CONDUCTOR COLOR	REMARKS
CB–1 TO SB–6	15C	42	SB	R	R	ϕ4
				Y	O	
				G	G	
		43	SB	R	R/BLK	ϕ4
				Y	O/BLK	
				G	G/BLK	
		91	S LEG	W	BLU	ϕ2 PED
				DW	BLK	
				PB	W/BLK	
CB–1 TO SB–7	9C	21	EB	R	R	ϕ2
				Y	O	
				G	G	
		92	W LEG	W	BLU	ϕ4 PED
				DW	BLK	
				PB	W/BLK	
		NO RIGHT TURN	EB		G/BLK	
CB–1 TO SB–8	12C	12	WB LT	R	R/BLK	ϕ1
				Y	O/BLK	
				FYA	BLU/BLK	
				G	G/BLK	
		53	EB LT	R	R	ϕ5
				Y	O	
				FYA	W/BLK	
				G	G	
CB–1 TO SB–9	15C	11	WB LT	R	R/W	ϕ1
				Y	BLK/W	
				FYA	BLU/BLK	
				G	G/W	
		62	WB	R	R	ϕ6
				Y	O	
				G	G	
		63	WB	R	R/BLK	ϕ6
				Y	O/BLK	
				G	G/BLK	
		93	W LEG	W	BLU	ϕ4 PED
				DW	BLK	
				PB	W/BLK	
CB–1 TO SB–10	9C	32	NB LT	R	R	ϕ3
				Y	O	
				FYA	W/BLK	
				G	G	
		41	SB	R	R/BLK	ϕ4
				Y	BLK	
				G	G/BLK	

USH 14 & PLEASANT VIEW DRIVE
TRAFFIC SIGNAL CABLING CHART
NO. 14 CABLE

CABLE RUN	CABLE	HEAD NUMBER	MOVEMENT	LENS	CONDUCTOR COLOR	REMARKS
CB–1 TO SB–11	12C	31	NB LT	R	BLK	ϕ3
				Y	BLK/W	
				FYA	BLU/BLK	
				G	BLU	
		82	NB	R	R	ϕ8
				Y	O	
				G	G	
		83	NB	R	R/BLK	ϕ8
				Y	O/BLK	
				G	G/BLK	

USH 14 & PLEASANT VIEW DRIVE
LIGHTING CABLING CHART
NO. 12 UF W/GROUND

CABLE	CABLE RUN	LUMINAIRE LOCATION
2C W/GROUND	CABINET TO SB3	SE CORNER
	CABINET TO SB6	SW CORNER
	CABINET TO SB9	NW CORNER
	CABINET TO SB11	NE CORNER

USH 14 & PLEASANT VIEW DRIVE
MICROWAVE DETECTORS
WAVETRONIX CABLE

DEVICE	PROPOSED ROUTING
M1	CB1, to PB1 to PB2 to PB3 to PB4 to SB3
M2	CB1, to PB14 to PB13 to PB12 to PB11 to PB10 to SB9

USH 14 & PLEASANT VIEW DRIVE
VIDEO CAMERA DETECTORS
CAT5E CABLE

DEVICE	PROPOSED ROUTING
V1	CB1, to PB1 to PB2 to PB3 to PB4 to SB3
V2	CB1, to PB14 to PB13 to PB12 to PB11 to PB10 TO SB9

TRAFFIC CONTROL SIGNAL
USH 14 & PLEASANT VIEW ROAD

CITY OF MIDDLETON — DANE COUNTY
SIGNAL NO. S13–0414

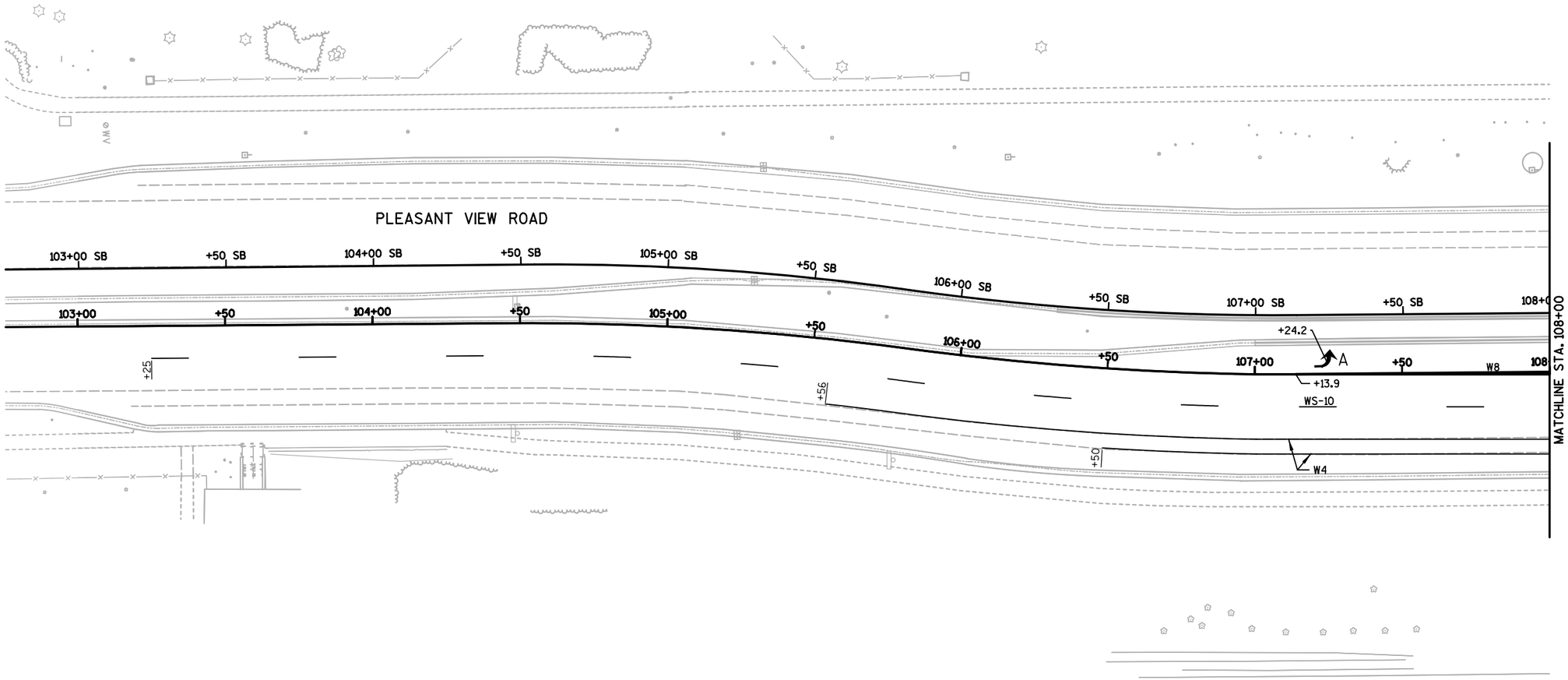
REGION CONTACT:
DESIGNED BY:
REVISED BY:
PAGE OF

PROJECT NO: 5310–02–75 | HWY: USH 14 | COUNTY: DANE | CABLE ROUTING | SHEET 276 E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : S–400,seq,rev2 PLOT SCALE : $$.....plotscale.....$$

2

N



LEGEND

W4	MARKING LINE EPOXY 4-INCH, (WHITE)
Y4	MARKING LINE EPOXY 4-INCH, (YELLOW)
DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH, (WHITE)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE EPOXY 8-INCH, (WHITE SKIP, 6' SEG., 3' GAP)
WS-3	MARKING LINE EPOXY 4-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WS-10	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 10' SEG., 30' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
W8	MARKING LINE EPOXY 8-INCH, (WHITE)
W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY, (YELLOW)
C	MARKING CURB EPOXY, (YELLOW)
A	MARKING ARROW EPOXY

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PAVEMENT MARKING - PLEASANT VIEW ROAD	SHEET 277	E

2

N

TIMBER WOLF TRAIL

+73.5
60.4'LT
W18

W4

WC6

WC6

WS-10

+28.3
12.0'LT

+28.9
23.0'LT

W4

MATCHLINE STA. 114+00

0 SB +50 SB 109+00 SB C +50 SB 110+00 SB +50 SB 111+00 SB +50 SB 112+00 SB +50 SB 113+00 SB +50 SB 114+0

C IN IN C

A

00 +50 109+00 C +50 110+00 +50 111+00 +50 112+00 +50 113+00 +50 114

W8

+12.3

PLEASANT VIEW ROAD

WS-10

+79.3
27.0'RT

W4

W4

W4

WC6

MATCHLINE STA. 114+00

LEGEND

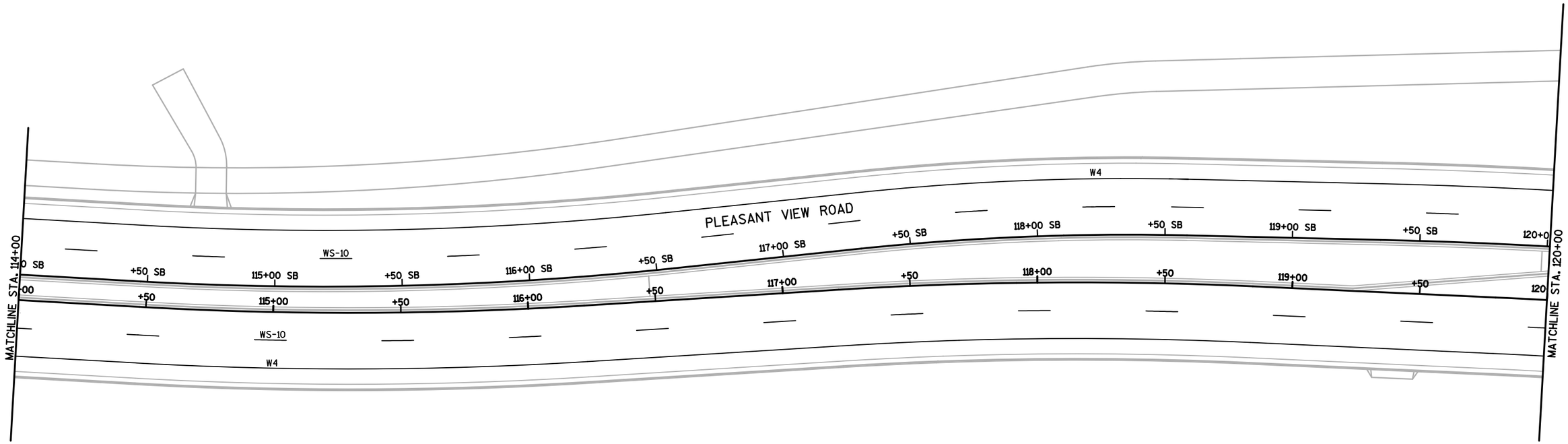
W4	MARKING LINE EPOXY 4-INCH, (WHITE)
Y4	MARKING LINE EPOXY 4-INCH, (YELLOW)
DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH, (WHITE)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE EPOXY 8-INCH, (WHITE SKIP, 6' SEG., 3' GAP)
WS-3	MARKING LINE EPOXY 4-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WS-10	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 10' SEG., 30' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
W8	MARKING LINE EPOXY 8-INCH, (WHITE)
W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY, (YELLOW)
C	MARKING CURB EPOXY, (YELLOW)
A	MARKING ARROW EPOXY

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PAVEMENT MARKING - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\024502_pm.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N



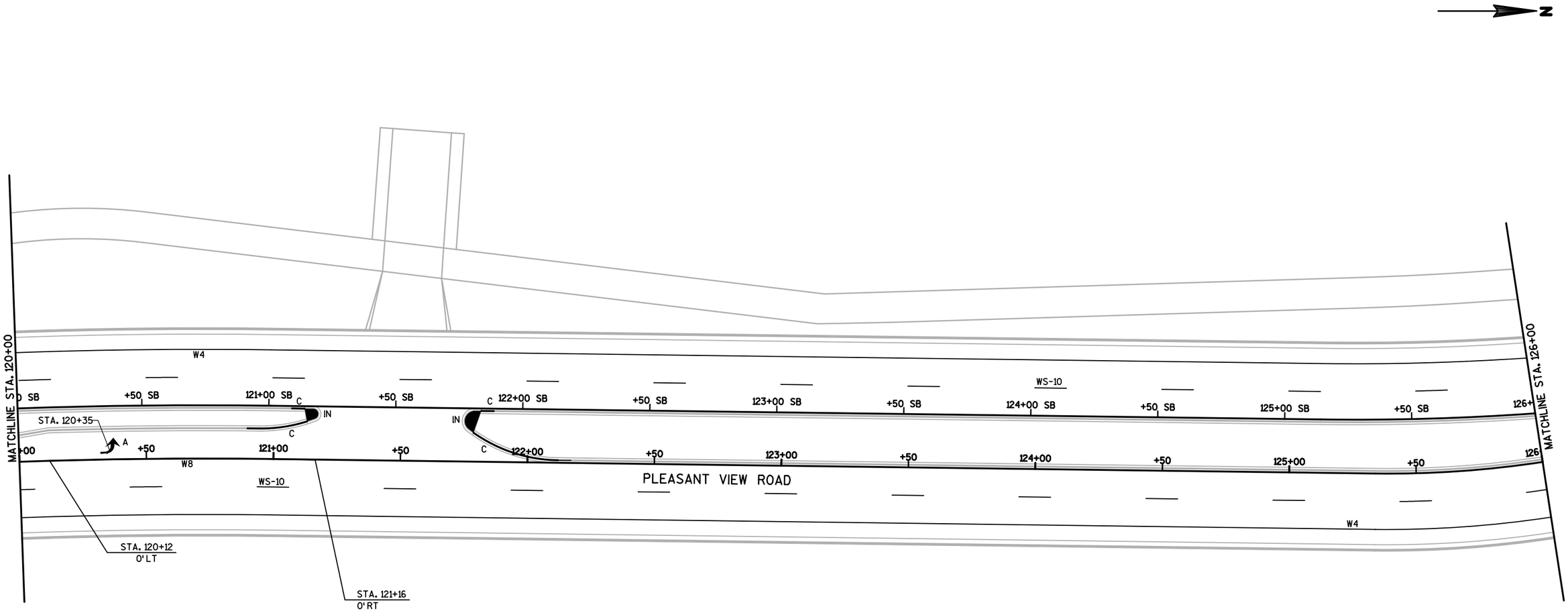
LEGEND

W4	MARKING LINE EPOXY 4-INCH, (WHITE)
Y4	MARKING LINE EPOXY 4-INCH, (YELLOW)
DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH, (WHITE)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE EPOXY 8-INCH, (WHITE SKIP, 6' SEG., 3' GAP)
WS-3	MARKING LINE EPOXY 4-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WS-10	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 10' SEG., 30' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
W8	MARKING LINE EPOXY 8-INCH, (WHITE)
W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY, (YELLOW)
C	MARKING CURB EPOXY, (YELLOW)
A	MARKING ARROW EPOXY

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PAVEMENT MARKING - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\024503_pm.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

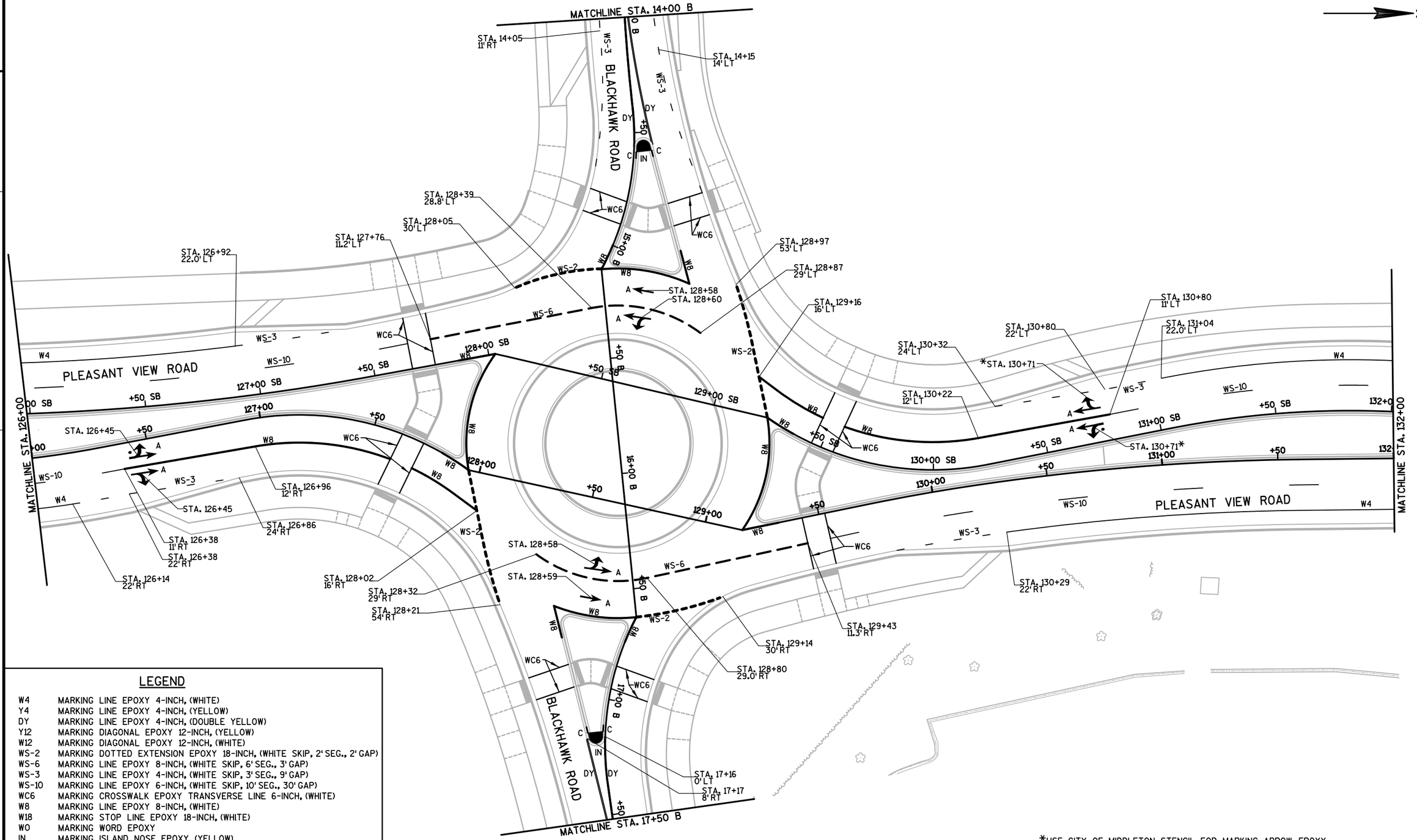
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LEGEND

W4	MARKING LINE EPOXY 4-INCH, (WHITE)
Y4	MARKING LINE EPOXY 4-INCH, (YELLOW)
DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH, (WHITE)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE EPOXY 8-INCH, (WHITE SKIP, 6' SEG., 3' GAP)
WS-3	MARKING LINE EPOXY 4-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WS-10	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 10' SEG., 30' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
W8	MARKING LINE EPOXY 8-INCH, (WHITE)
W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY, (YELLOW)
C	MARKING CURB EPOXY, (YELLOW)
A	MARKING ARROW EPOXY

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PAVEMENT MARKING - PLEASANT VIEW ROAD	SHEET 280	E



LEGEND

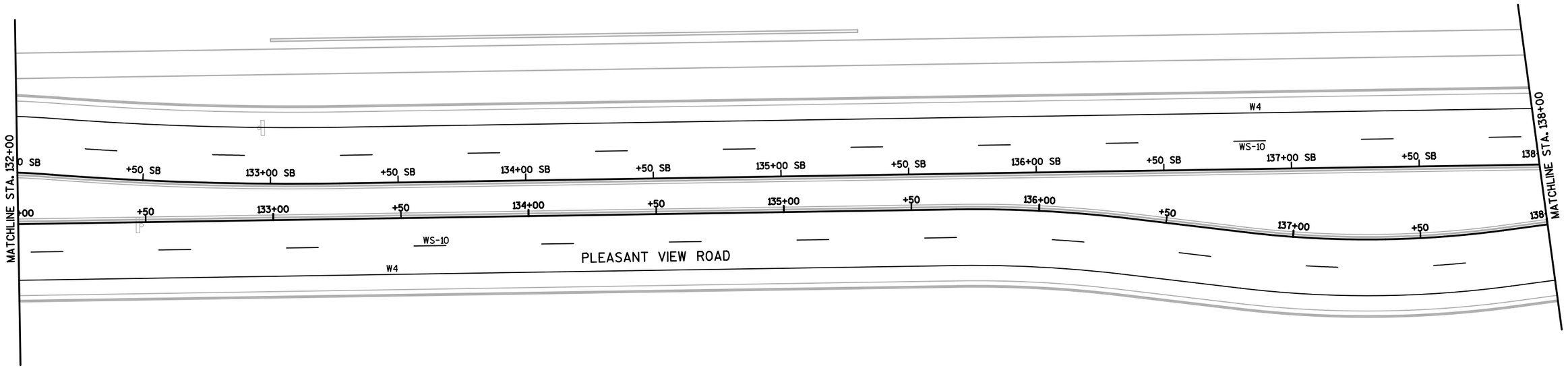
W4	MARKING LINE EPOXY 4-INCH, (WHITE)
Y4	MARKING LINE EPOXY 4-INCH, (YELLOW)
DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH, (WHITE)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE EPOXY 8-INCH, (WHITE SKIP, 6' SEG., 3' GAP)
WS-3	MARKING LINE EPOXY 4-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WS-10	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 10' SEG., 30' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
W8	MARKING LINE EPOXY 8-INCH, (WHITE)
W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY, (YELLOW)
C	MARKING CURB EPOXY, (YELLOW)
A	MARKING ARROW EPOXY

*USE CITY OF MIDDLETON STENCIL FOR MARKING ARROW EPOXY.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PAVEMENT MARKING - PLEASANT VIEW ROAD	SHEET 281	E

2

N



LEGEND

W4	MARKING LINE EPOXY 4-INCH, (WHITE)
Y4	MARKING LINE EPOXY 4-INCH, (YELLOW)
DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH, (WHITE)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE EPOXY 8-INCH, (WHITE SKIP, 6' SEG., 3' GAP)
WS-3	MARKING LINE EPOXY 4-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WS-10	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 10' SEG., 30' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
W8	MARKING LINE EPOXY 8-INCH, (WHITE)
W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY, (YELLOW)
C	MARKING CURB EPOXY, (YELLOW)
A	MARKING ARROW EPOXY

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PAVEMENT MARKING - PLEASANT VIEW ROAD	SHEET 282	E

2

N

PLEASANT VIEW ROAD

MATCHLINE STA. 138+00

MATCHLINE STA. 144+00

MATCHLINE STA. 51+00 G

GREENWAY BLVD

STA. 139+03 22' LT

STA. 140+58 25.5' LT

STA. 140+71

STA. 140+97 26' LT

STA. 141+12 37' LT

STA. 142+46 24' LT

STA. 142+88

STA. 142+94 22' LT

STA. 142+94 11' LT

STA. 143+18 22' LT

STA. 139+90 11.2' LT

STA. 140+72

STA. 141+27 15' LT

STA. 142+34 12' LT

STA. 138+58

STA. 138+52 11' RT

STA. 138+27 22' RT

STA. 138+52 22' RT

STA. 139+00 24' RT

STA. 139+09 12' RT

STA. 140+20 17' RT

STA. 140+52 33' RT

STA. 140+75

STA. 140+50 71' RT

STA. 141+29 33' RT

STA. 141+02 30.7' RT

STA. 141+62 11.3' RT

STA. 142+57 22' RT

W4 WS-3 WS-10 WC6 W8 WS-6 WS-2 W18 WO

00 SB +50 SB 139+00 SB 140+00 SB 141+00 SB 142+00 SB 143+00 SB

USE CITY OF MIDDLETON STENCIL FOR MARKING ARROW EPOXY SHOWN ON THIS SHEET.

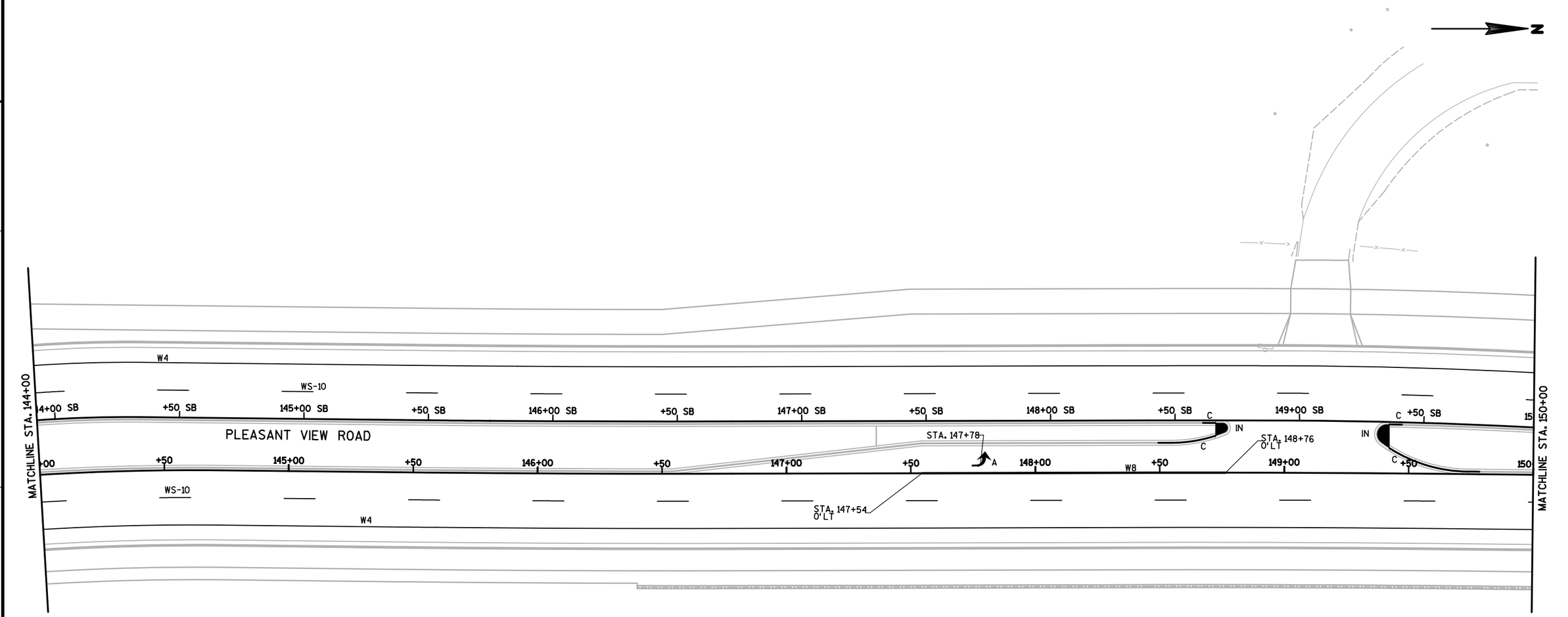
LEGEND

W4	MARKING LINE EPOXY 4-INCH, (WHITE)
Y4	MARKING LINE EPOXY 4-INCH, (YELLOW)
DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH, (WHITE)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE EPOXY 8-INCH, (WHITE SKIP, 6' SEG., 3' GAP)
WS-3	MARKING LINE EPOXY 4-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WS-10	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 10' SEG., 30' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
W8	MARKING LINE EPOXY 8-INCH, (WHITE)
W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY, (YELLOW)
C	MARKING CURB EPOXY, (YELLOW)
A	MARKING ARROW EPOXY

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PAVEMENT MARKING - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\024507_pm.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

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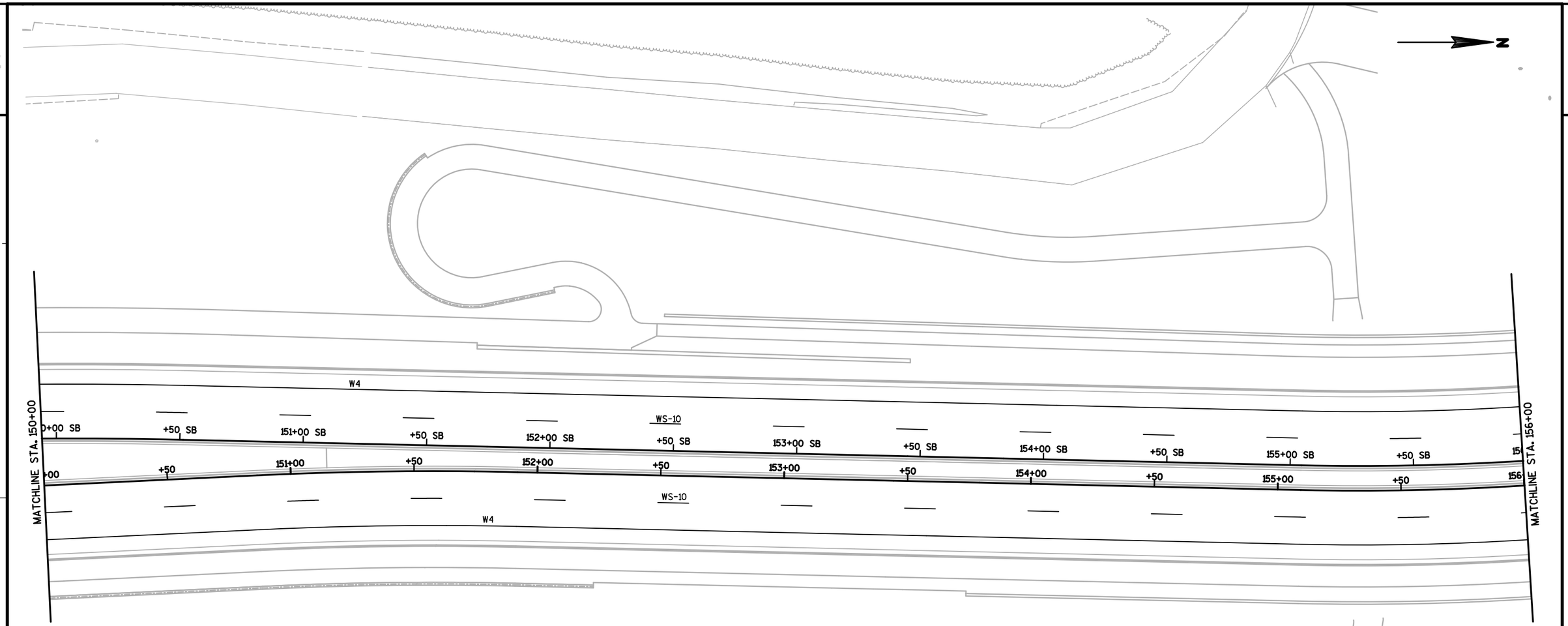
LEGEND

W4	MARKING LINE EPOXY 4-INCH, (WHITE)
Y4	MARKING LINE EPOXY 4-INCH, (YELLOW)
DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH, (WHITE)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE EPOXY 8-INCH, (WHITE SKIP, 6' SEG., 3' GAP)
WS-3	MARKING LINE EPOXY 4-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WS-10	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 10' SEG., 30' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
W8	MARKING LINE EPOXY 8-INCH, (WHITE)
W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY, (YELLOW)
C	MARKING CURB EPOXY, (YELLOW)
A	MARKING ARROW EPOXY

USE CITY OF MIDDLETON STENCIL FOR MARKING ARROW EPOXY SHOWN ON THIS SHEET.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PAVEMENT MARKING - PLEASANT VIEW ROAD	SHEET 284 E

2



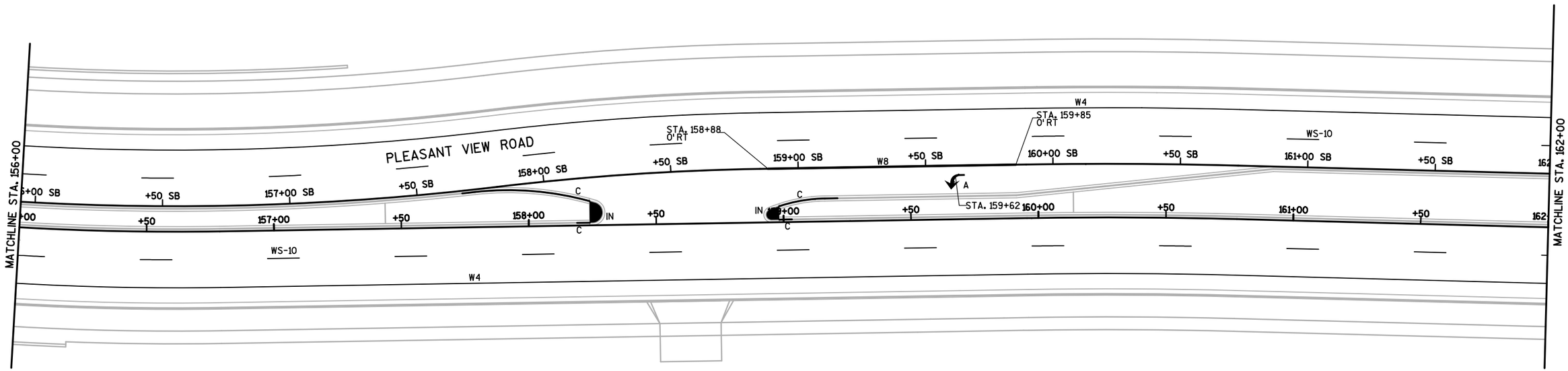
LEGEND

W4	MARKING LINE EPOXY 4-INCH, (WHITE)
Y4	MARKING LINE EPOXY 4-INCH, (YELLOW)
DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH, (WHITE)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE EPOXY 8-INCH, (WHITE SKIP, 6' SEG., 3' GAP)
WS-3	MARKING LINE EPOXY 4-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WS-10	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 10' SEG., 30' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
W8	MARKING LINE EPOXY 8-INCH, (WHITE)
W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY, (YELLOW)
C	MARKING CURB EPOXY, (YELLOW)
A	MARKING ARROW EPOXY

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PAVEMENT MARKING - PLEASANT VIEW ROAD	SHEET 285 E

2

N



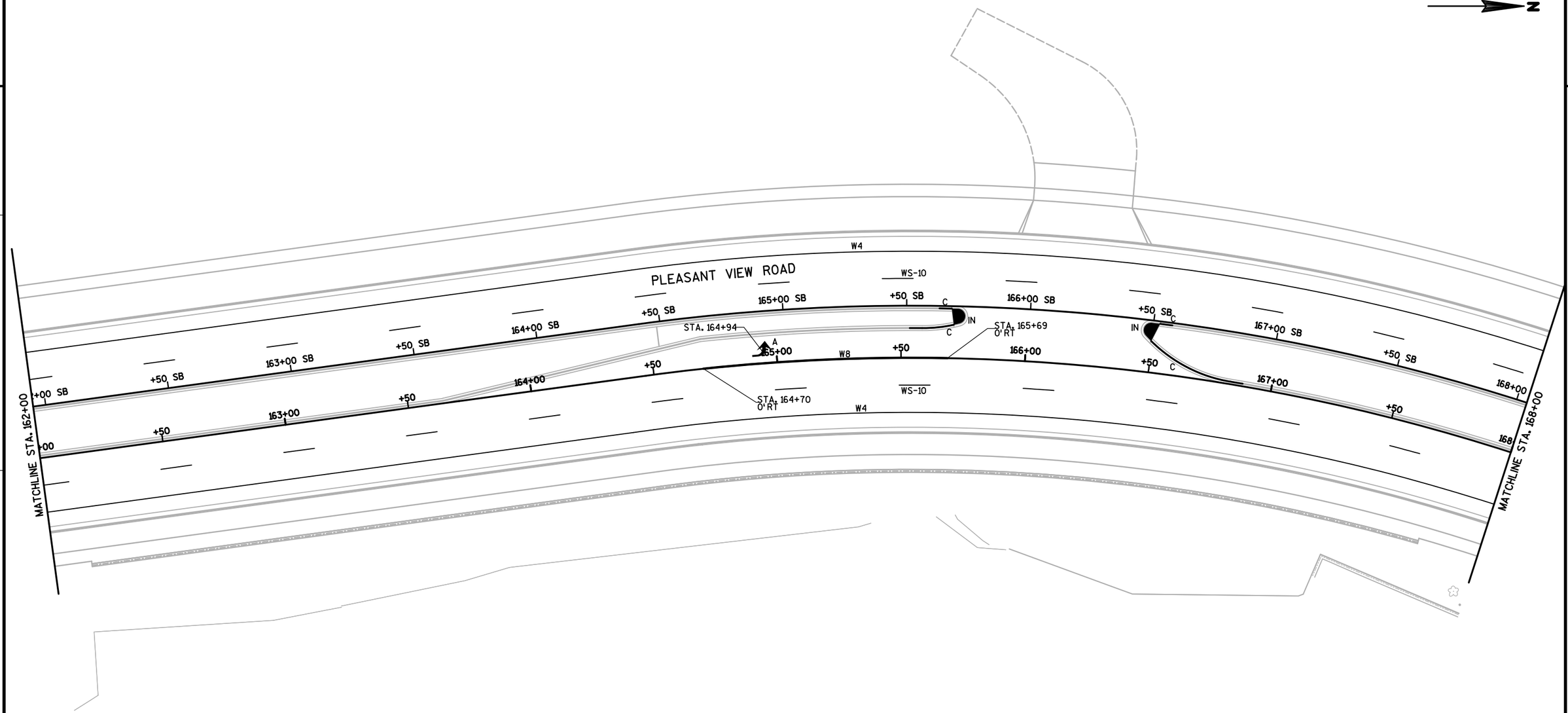
LEGEND

W4	MARKING LINE EPOXY 4-INCH, (WHITE)
Y4	MARKING LINE EPOXY 4-INCH, (YELLOW)
DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH, (WHITE)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE EPOXY 8-INCH, (WHITE SKIP, 6' SEG., 3' GAP)
WS-3	MARKING LINE EPOXY 4-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WS-10	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 10' SEG., 30' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
W8	MARKING LINE EPOXY 8-INCH, (WHITE)
W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY, (YELLOW)
C	MARKING CURB EPOXY, (YELLOW)
A	MARKING ARROW EPOXY

USE CITY OF MIDDLETON STENCIL FOR MARKING ARROW EPOXY SHOWN ON THIS SHEET.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PAVEMENT MARKING - PLEASANT VIEW ROAD	SHEET 286	E

2



LEGEND

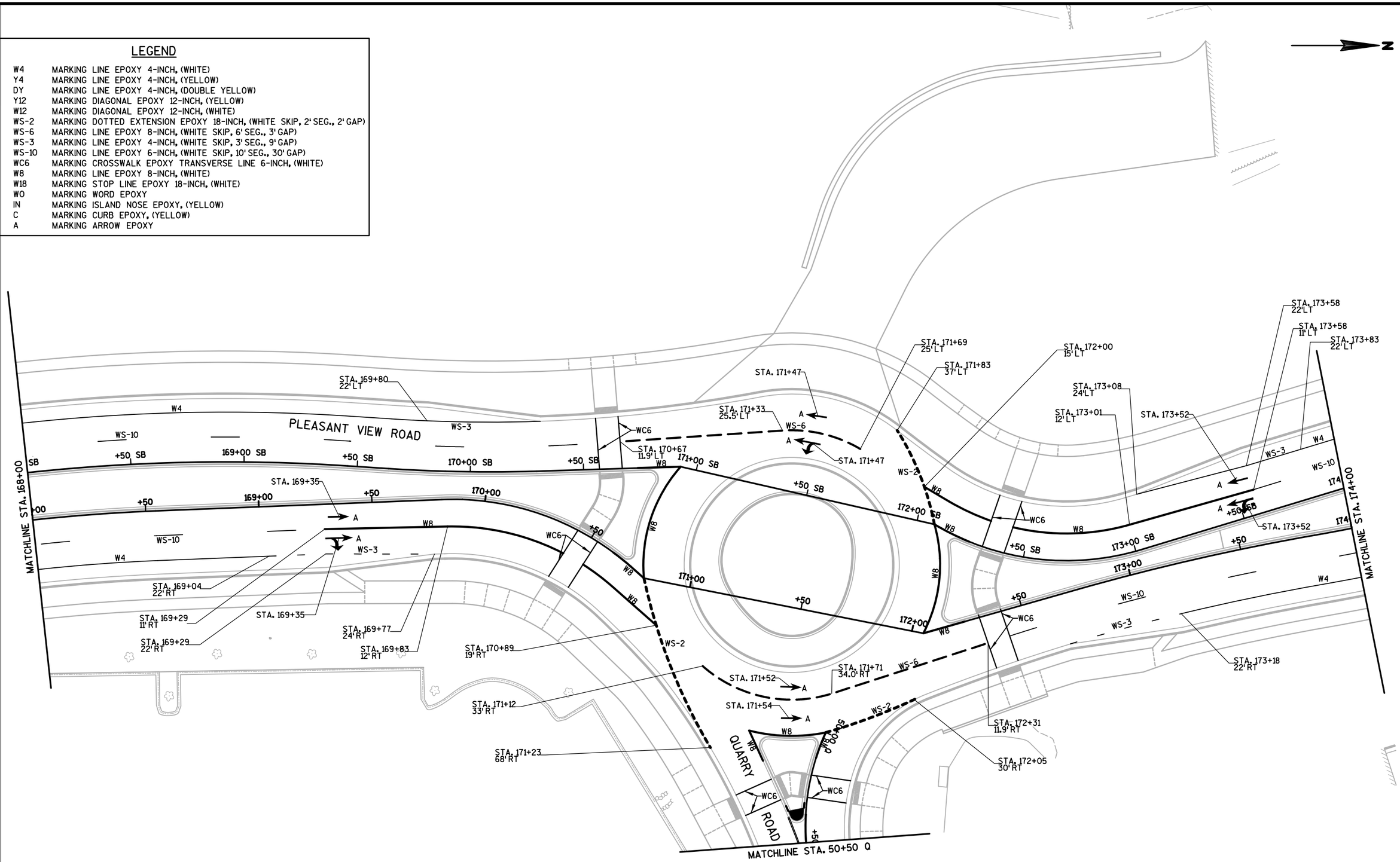
W4	MARKING LINE EPOXY 4-INCH, (WHITE)
Y4	MARKING LINE EPOXY 4-INCH, (YELLOW)
DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH, (WHITE)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE EPOXY 8-INCH, (WHITE SKIP, 6' SEG., 3' GAP)
WS-3	MARKING LINE EPOXY 4-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WS-10	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 10' SEG., 30' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
W8	MARKING LINE EPOXY 8-INCH, (WHITE)
W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY, (YELLOW)
C	MARKING CURB EPOXY, (YELLOW)
A	MARKING ARROW EPOXY

USE CITY OF MIDDLETON STENCIL FOR MARKING ARROW EPOXY SHOWN ON THIS SHEET.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PAVEMENT MARKING - PLEASANT VIEW ROAD	SHEET 287 E

LEGEND

W4	MARKING LINE EPOXY 4-INCH, (WHITE)
Y4	MARKING LINE EPOXY 4-INCH, (YELLOW)
DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH, (WHITE)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE EPOXY 8-INCH, (WHITE SKIP, 6' SEG., 3' GAP)
WS-3	MARKING LINE EPOXY 4-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WS-10	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 10' SEG., 30' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
W8	MARKING LINE EPOXY 8-INCH, (WHITE)
W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY, (YELLOW)
C	MARKING CURB EPOXY, (YELLOW)
A	MARKING ARROW EPOXY



USE CITY OF MIDDLETON STENCIL FOR MARKING ARROW EPOXY SHOWN ON THIS SHEET.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PAVEMENT MARKING - PLEASANT VIEW ROAD	SHEET 288	E

2

LEGEND

W4	MARKING LINE EPOXY 4-INCH, (WHITE)
Y4	MARKING LINE EPOXY 4-INCH, (YELLOW)
DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH, (WHITE)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE EPOXY 8-INCH, (WHITE SKIP, 6' SEG., 3' GAP)
WS-3	MARKING LINE EPOXY 4-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WS-10	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 10' SEG., 30' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
W8	MARKING LINE EPOXY 8-INCH, (WHITE)
W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY, (YELLOW)
C	MARKING CURB EPOXY, (YELLOW)
A	MARKING ARROW EPOXY

N

MARKING LINE EPOXY 8-INCH (WHITE SKIP 3' SEG. 9' GAP)

STA. 177+40 O'RT

PLEASANT VIEW ROAD

MATCHLINE STA. 174+00

MATCHLINE STA. 180+00

W4

00 SB

+50 SB

STA. 175+48 O'RT

175+00 SB

WS-10

+50 SB

W8

176+00 SB

+50 SB

STA. 176+48 O'RT

177+00 SB

+50 SB

178+00 SB

+50 SB

179+00 SB

+50 SB

STA. 179+11

A

+50

W8

180

IN

C

C

+50

175+00

R=2'

DY

IN

+50

DY

C

C

176+00

+50

177+00

+50

178+00

+50

179+00

A

STA. 175+33 2'LT

W4

Y12 (10' SPACING, TYP.)

WS-10

STA. 177+98

STA. 178+88 O'RT

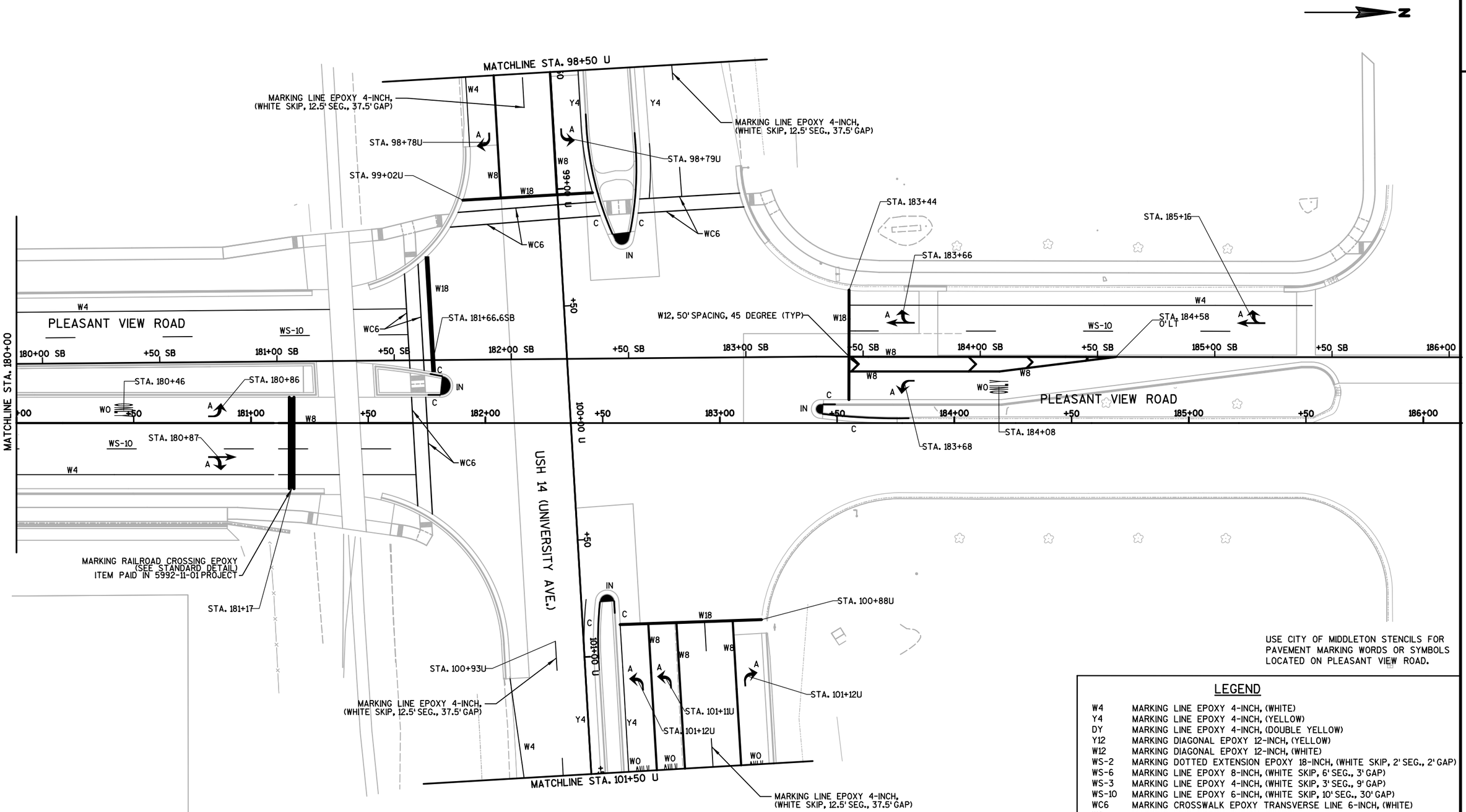
STA. 179+11

MARKING RAILROAD CROSSING EPOXY

STA. 177+40

USE CITY OF MIDDLETON STENCIL FOR PAVEMENT MARKING WORDS OR SYMBOLS SHOWN ON THIS SHEET.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PAVEMENT MARKING - PLEASANT VIEW ROAD	SHEET 289	E



USE CITY OF MIDDLETON STENCILS FOR PAVEMENT MARKING WORDS OR SYMBOLS LOCATED ON PLEASANT VIEW ROAD.

LEGEND

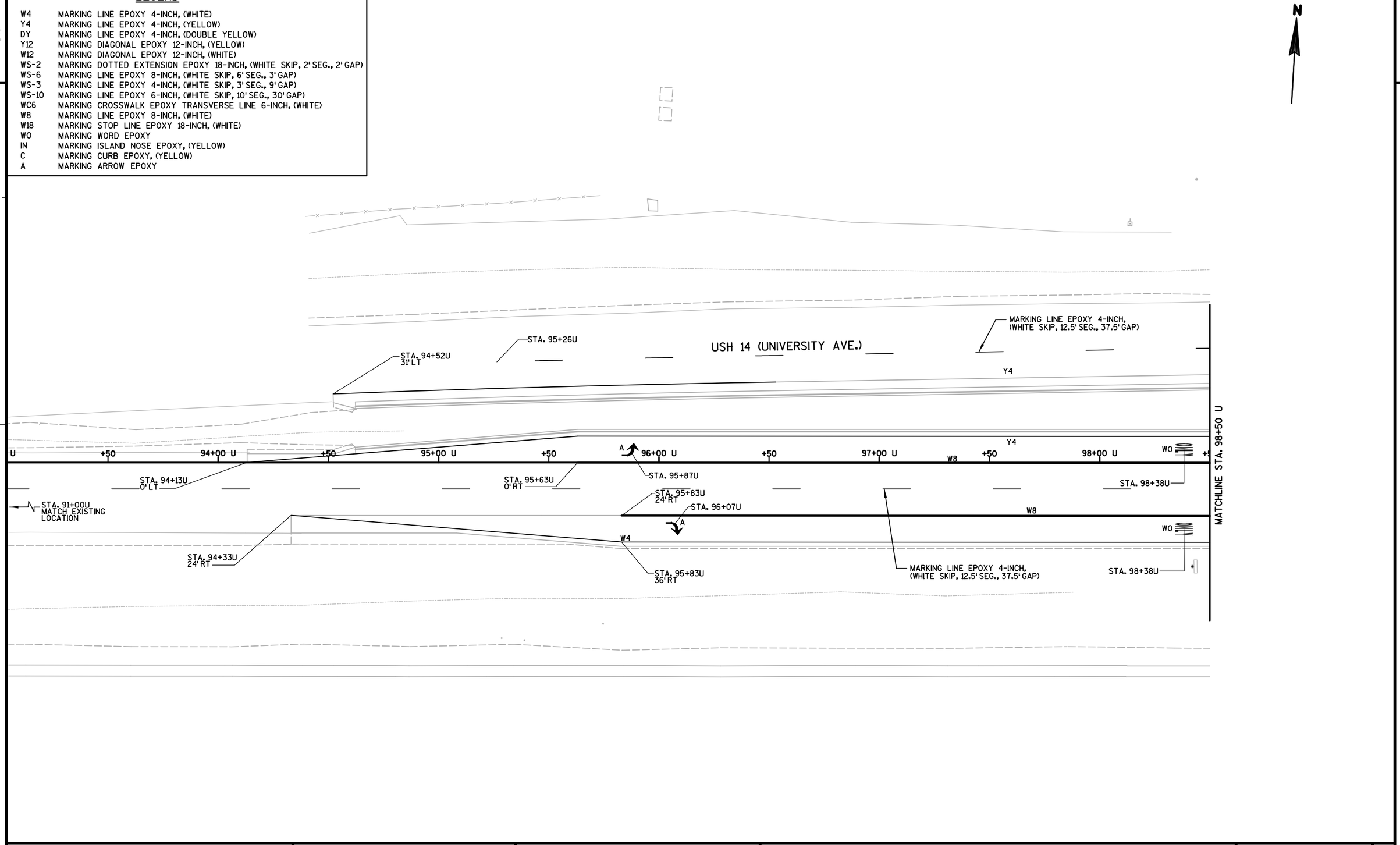
W4	MARKING LINE EPOXY 4-INCH, (WHITE)
Y4	MARKING LINE EPOXY 4-INCH, (YELLOW)
DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH, (WHITE)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE EPOXY 8-INCH, (WHITE SKIP, 6' SEG., 3' GAP)
WS-3	MARKING LINE EPOXY 4-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WS-10	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 10' SEG., 30' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
W8	MARKING LINE EPOXY 8-INCH, (WHITE)
W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY, (YELLOW)
C	MARKING CURB EPOXY, (YELLOW)
A	MARKING ARROW EPOXY

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	PAVEMENT MARKING - PLEASANT VIEW ROAD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\024514_pm.dgn PLOT DATE : 4/27/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

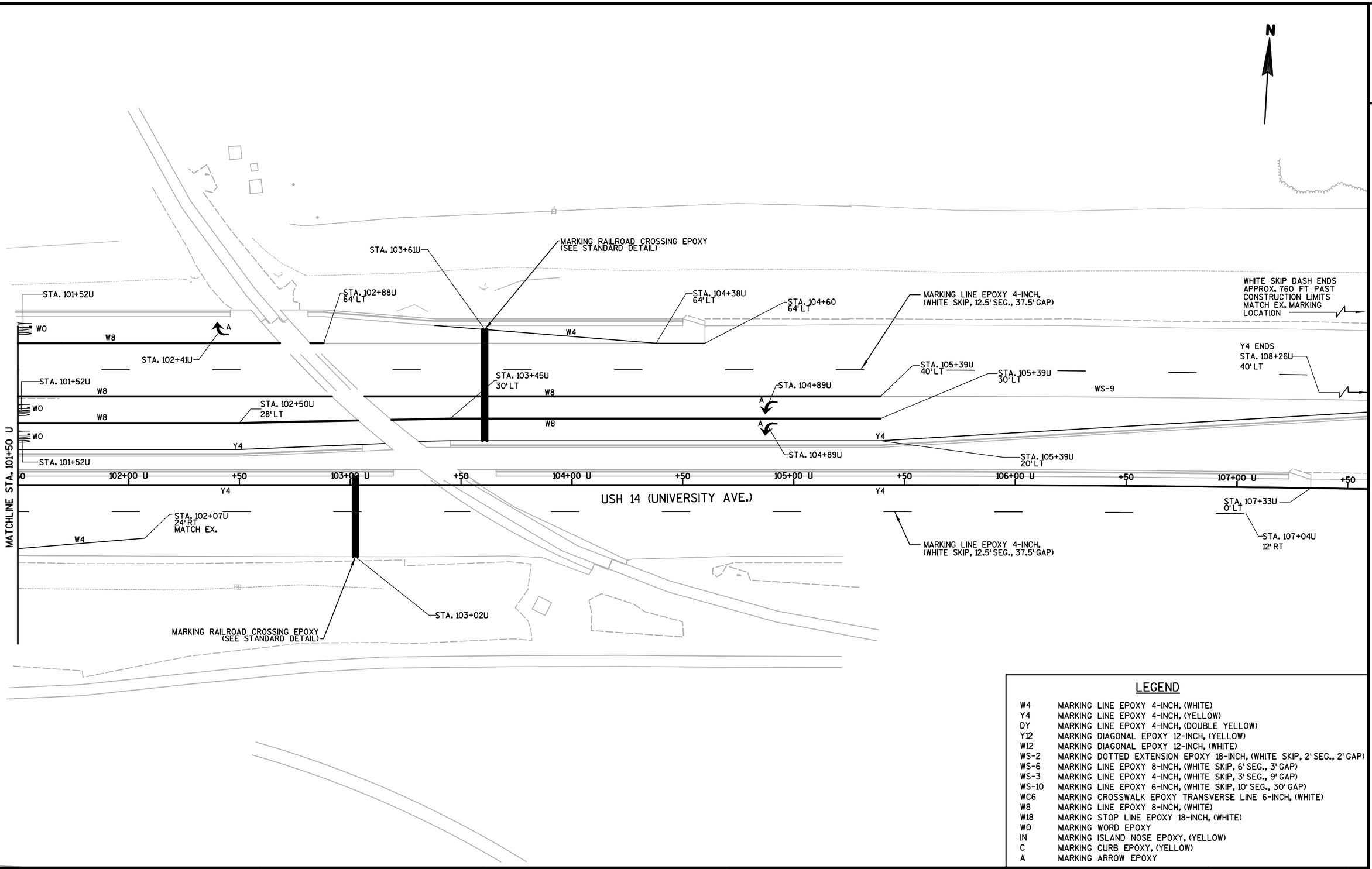
LEGEND

W4	MARKING LINE EPOXY 4-INCH, (WHITE)
Y4	MARKING LINE EPOXY 4-INCH, (YELLOW)
DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH, (WHITE)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE EPOXY 8-INCH, (WHITE SKIP, 6' SEG., 3' GAP)
WS-3	MARKING LINE EPOXY 4-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WS-10	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 10' SEG., 30' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
W8	MARKING LINE EPOXY 8-INCH, (WHITE)
W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY, (YELLOW)
C	MARKING CURB EPOXY, (YELLOW)
A	MARKING ARROW EPOXY



PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	PAVEMENT MARKING - USH 14	SHEET 291 E

2



LEGEND

W4	MARKING LINE EPOXY 4-INCH, (WHITE)
Y4	MARKING LINE EPOXY 4-INCH, (YELLOW)
DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH, (WHITE)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2'SEG., 2'GAP)
WS-6	MARKING LINE EPOXY 8-INCH, (WHITE SKIP, 6'SEG., 3'GAP)
WS-3	MARKING LINE EPOXY 4-INCH, (WHITE SKIP, 3'SEG., 9'GAP)
WS-10	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 10'SEG., 30'GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
W8	MARKING LINE EPOXY 8-INCH, (WHITE)
W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY, (YELLOW)
C	MARKING CURB EPOXY, (YELLOW)
A	MARKING ARROW EPOXY

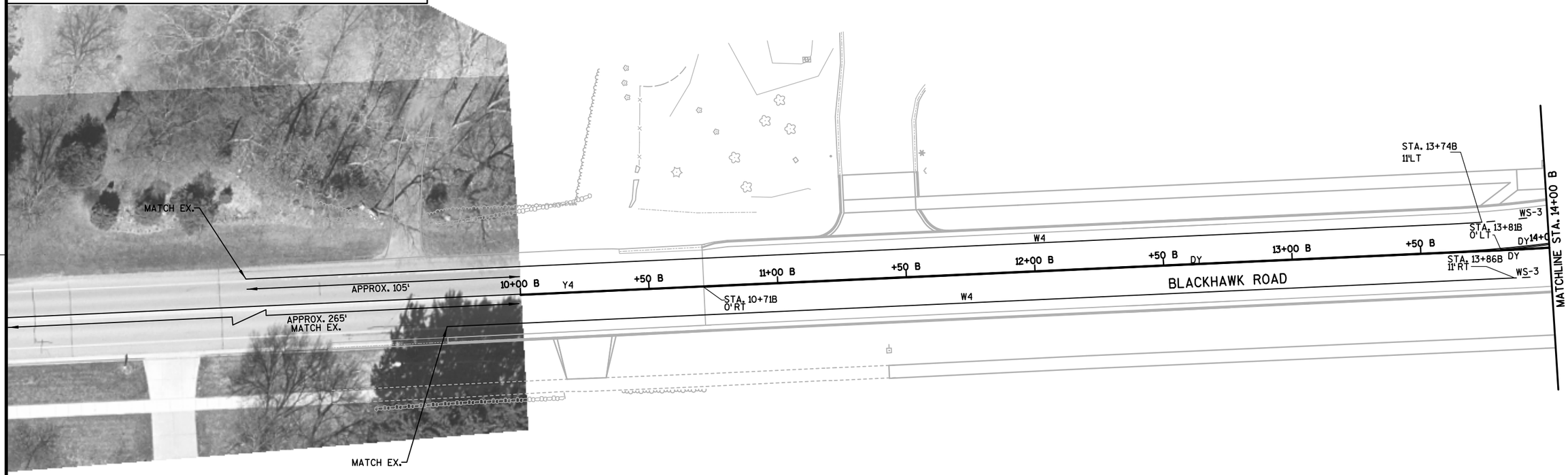
PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	PAVEMENT MARKING - USH 14	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\024516_pm.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

LEGEND

W4	MARKING LINE EPOXY 4-INCH, (WHITE)
Y4	MARKING LINE EPOXY 4-INCH, (YELLOW)
DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH, (WHITE)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE EPOXY 8-INCH, (WHITE SKIP, 6' SEG., 3' GAP)
WS-3	MARKING LINE EPOXY 4-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WS-10	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 10' SEG., 30' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
W8	MARKING LINE EPOXY 8-INCH, (WHITE)
W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY, (YELLOW)
C	MARKING CURB EPOXY, (YELLOW)
A	MARKING ARROW EPOXY



2

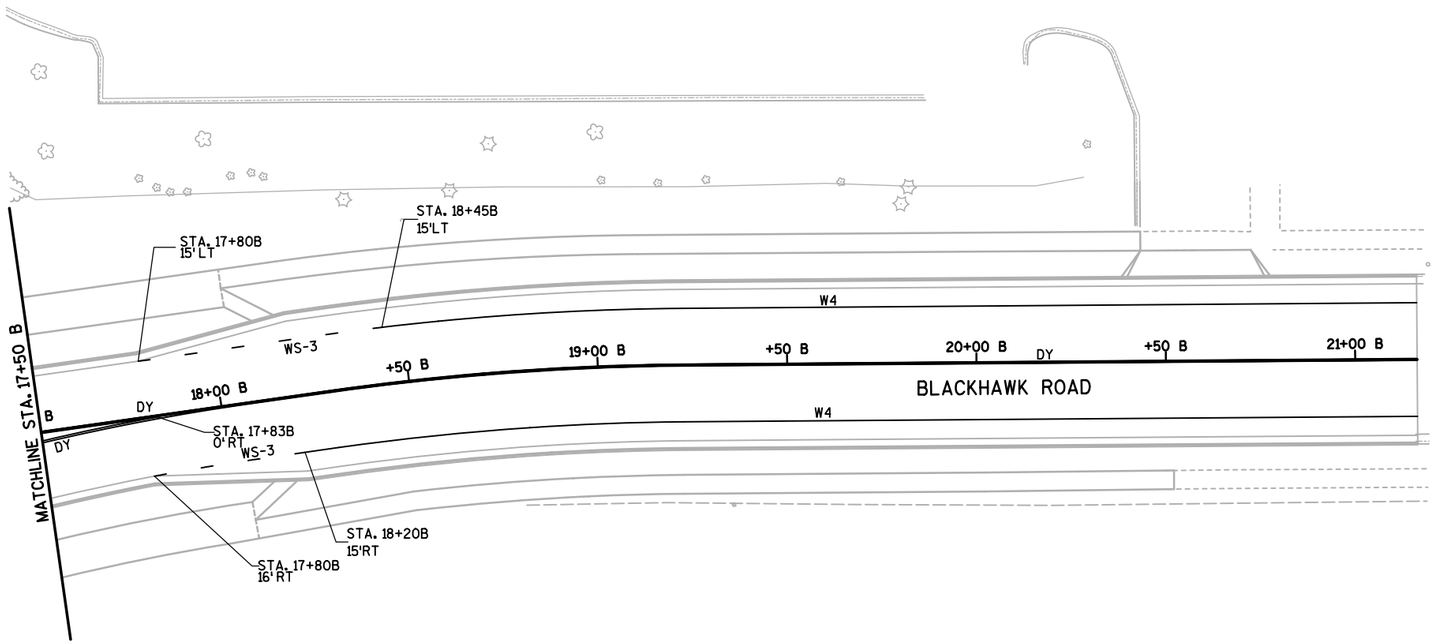
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PAVEMENT MARKING - BLACKHAWK ROAD	SHEET 293	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\024517_pm.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

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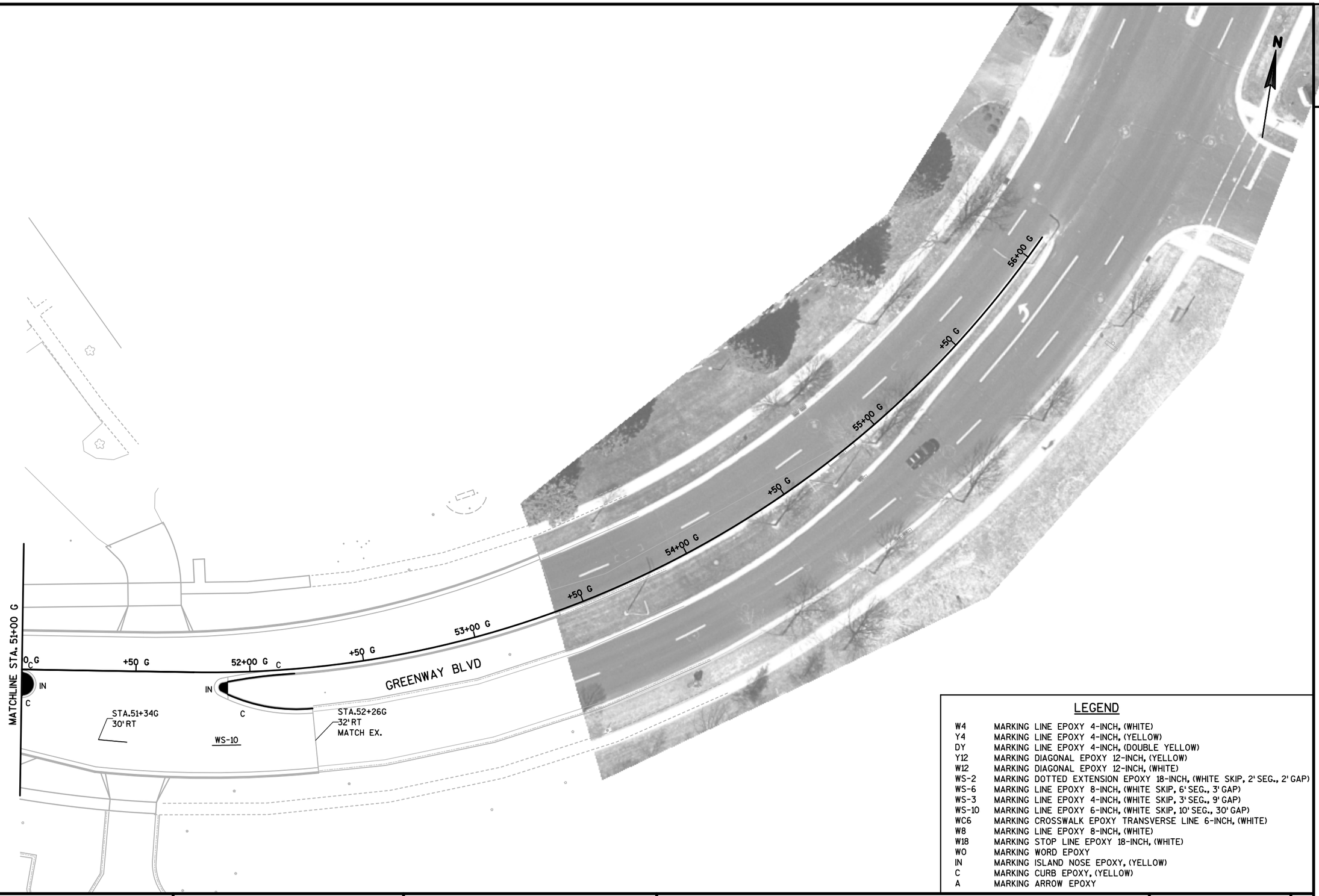


LEGEND

W4	MARKING LINE EPOXY 4-INCH, (WHITE)
Y4	MARKING LINE EPOXY 4-INCH, (YELLOW)
DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH, (WHITE)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE EPOXY 8-INCH, (WHITE SKIP, 6' SEG., 3' GAP)
WS-3	MARKING LINE EPOXY 4-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WS-10	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 10' SEG., 30' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
W8	MARKING LINE EPOXY 8-INCH, (WHITE)
W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY, (YELLOW)
C	MARKING CURB EPOXY, (YELLOW)
A	MARKING ARROW EPOXY

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PAVEMENT MARKING - BLACKHAWK ROAD	SHEET 294	E

2

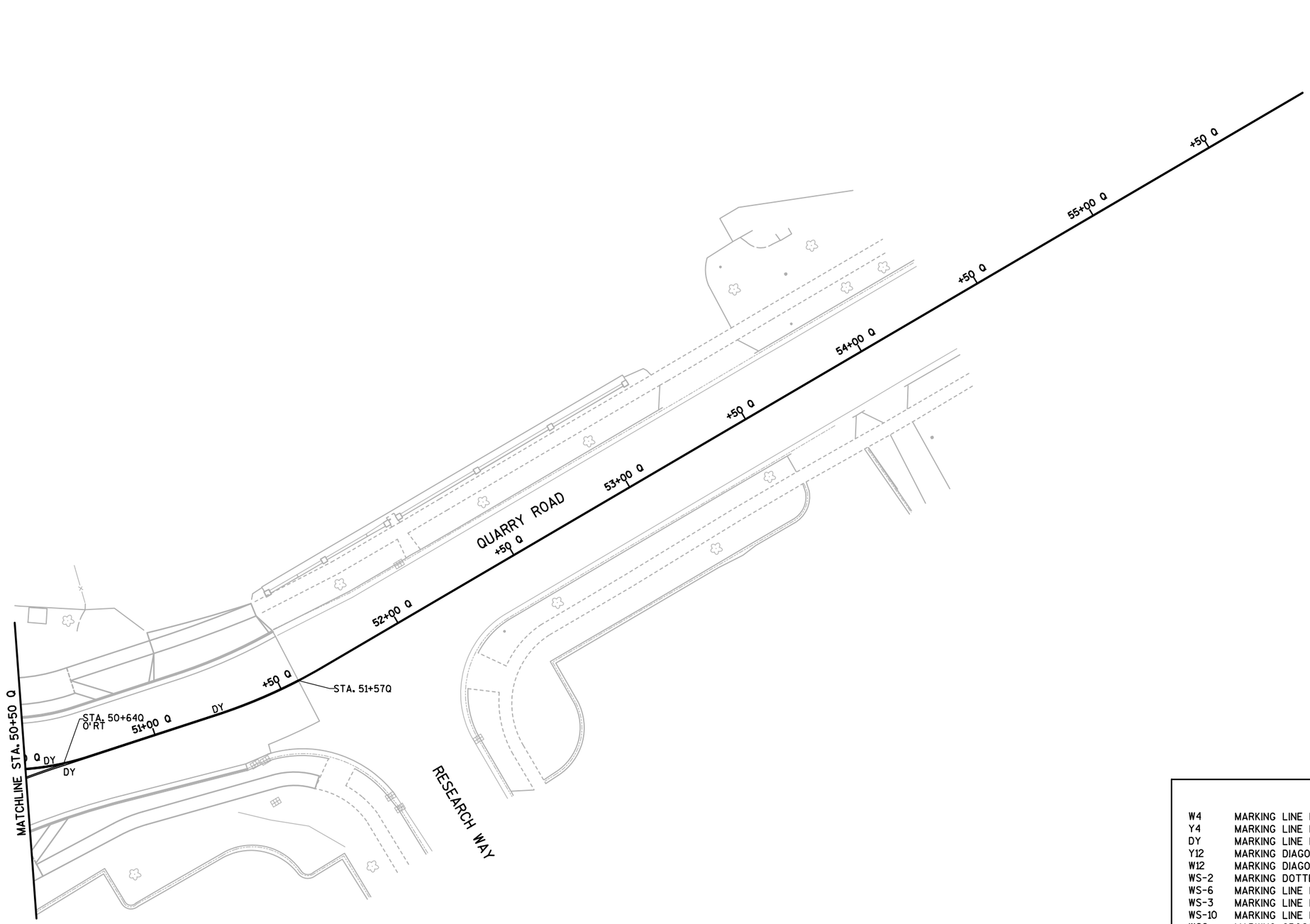


LEGEND

W4	MARKING LINE EPOXY 4-INCH, (WHITE)
Y4	MARKING LINE EPOXY 4-INCH, (YELLOW)
DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH, (WHITE)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE EPOXY 8-INCH, (WHITE SKIP, 6' SEG., 3' GAP)
WS-3	MARKING LINE EPOXY 4-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WS-10	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 10' SEG., 30' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
W8	MARKING LINE EPOXY 8-INCH, (WHITE)
W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY, (YELLOW)
C	MARKING CURB EPOXY, (YELLOW)
A	MARKING ARROW EPOXY

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PAVEMENT MARKING - GREENWAY BLVD	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\024519_pm.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



LEGEND

W4	MARKING LINE EPOXY 4-INCH, (WHITE)
Y4	MARKING LINE EPOXY 4-INCH, (YELLOW)
DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
W12	MARKING DIAGONAL EPOXY 12-INCH, (WHITE)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE EPOXY 8-INCH, (WHITE SKIP, 6' SEG., 3' GAP)
WS-3	MARKING LINE EPOXY 4-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WS-10	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 10' SEG., 30' GAP)
WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
W8	MARKING LINE EPOXY 8-INCH, (WHITE)
W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
WO	MARKING WORD EPOXY
IN	MARKING ISLAND NOSE EPOXY, (YELLOW)
C	MARKING CURB EPOXY, (YELLOW)
A	MARKING ARROW EPOXY

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PAVEMENT MARKING - QUARRY ROAD	SHEET 296	E

TRAFFIC CONTROL LEGEND

- TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED WITH BASE AGGREGATE DENSE 1 1/4-INCH FOR TURNING VEHICLES
- XXXXX SAWING CONCRETE
- SAWING ASPHALT
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH SIGN (TWO WARNING LIGHTS TYPE A REQ'D)
- BARRICADES TYPE III WITHOUT SIGN (ONE WARNING LIGHT TYPE A REQ'D)
- MARKING REMOVAL
- TRAFFIC FLOW ARROW
- ARROW BOARD
- CC CRASH CUSHIONS TEMPORARY
- CONCRETE BARRIER TEMPORARY PRECAST DELIVERED; INSTALLED

PAVEMENT MARKING LEGEND

- MARKING REMOVAL
- 4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- 4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- 4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
- RT-4W TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- RT-4Y TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- CW-4W COLD WEATHER EPOXY 4-INCH (WHITE)
- CW-4Y COLD WEATHER EPOXY 4-INCH (YELLOW)
- CW-4DY COLD WEATHER EPOXY 4-INCH (DOUBLE YELLOW)
- RT-A TEMPORARY MARKING ARROW REMOVABLE TAPE
- RT-4DY TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
- RT-8W TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
- RT-SL-18 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- PERM. PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

TRAFFIC CONTROL NOTES

ALL SIGN LOCATIONS ARE APPROXIMATE. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

DETAILS OF TRAFFIC CONTROL NOT SHOWN ON THE DRAWINGS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, APPLICABLE SPECIAL PROVISIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON CONTRACTORS METHODS OR SEQUENCES OF OPERATION.

DO NOT PLACE TRAFFIC CONTROL DEVICES OR MARKINGS ON OR ACROSS A RAILROAD CROSSING SURFACE OR TRACK.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

REMOVE OR COVER ANY SIGNS, TEMPORARY OR EXISTING, THAT CONFLICT WITH TRAFFIC CONTROL "IN-USE" AS APPROVED BY THE ENGINEER.

USE ROAD MACHINERY, TRUCK ENTRANCE, FLAGMEN AHEAD, ETC. SIGNS AS NEEDED AND REMOVE OR COVER THEM WHEN THE ACTIVITY OR CONDITION DOES NOT EXIST. NO WARNING LIGHT SHALL BE USED WITH A COVERED SIGN.

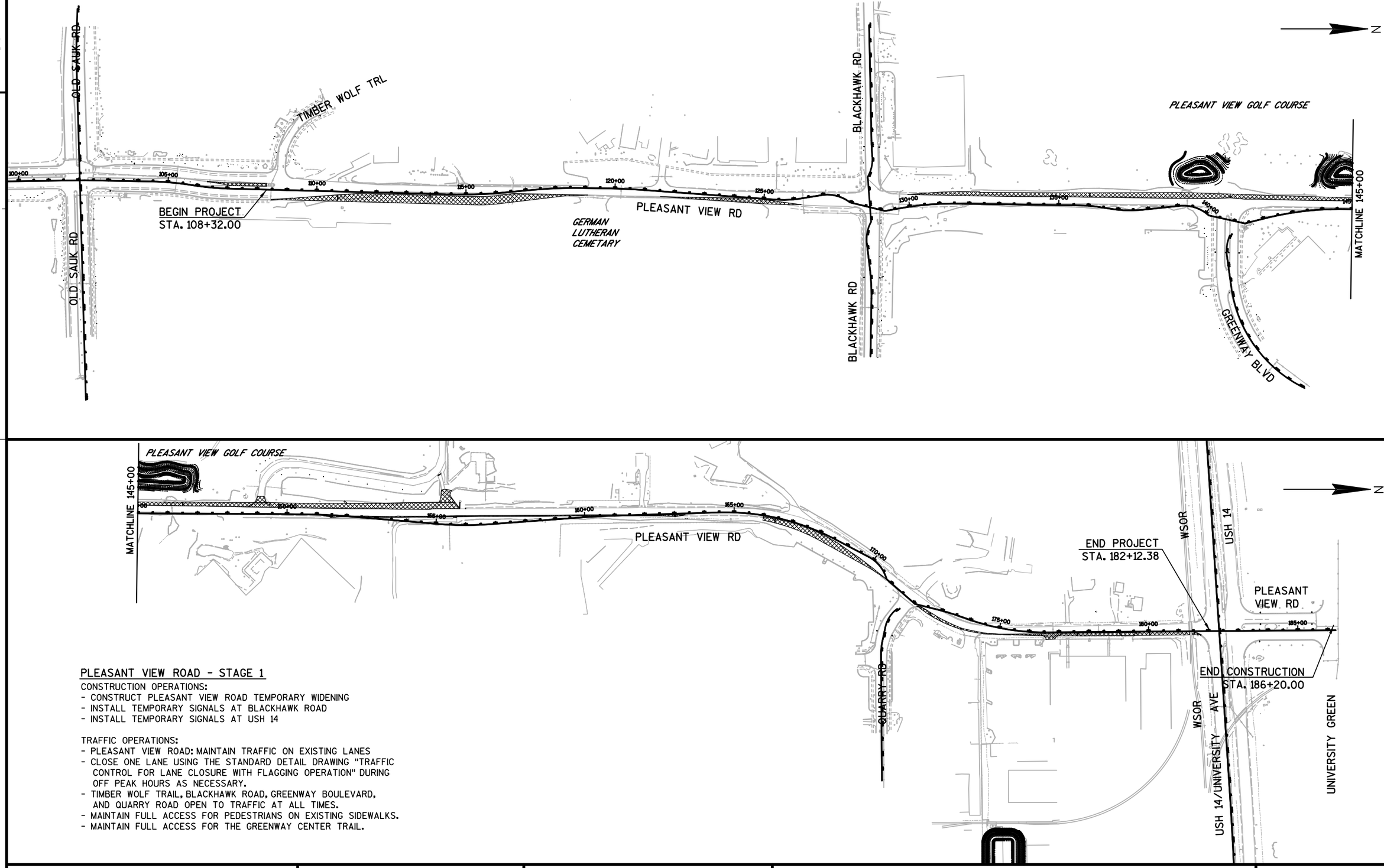
SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS. MAINTAIN LOCAL ACCESS AT ALL TIMES.

REMOVE PAVEMENT MARKING THAT CONFLICTS WITH TRAFFIC CONTROL "IN-USE" AS DIRECTED BY THE ENGINEER.

ALL TRAFFIC CONTROL DRUM AND TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES SPACING IS 25' ALONG TRAVEL LANES, UNLESS OTHERWISE NOTED. SPACING IS 10' AT INTERSECTIONS ALONG TURNING MOVEMENTS OR OTHER ACCESS POINTS.

FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, PEDESTRIAN ACCOMODATION"



PLEASANT VIEW ROAD - STAGE 1

CONSTRUCTION OPERATIONS:
- CONSTRUCT PLEASANT VIEW ROAD TEMPORARY WIDENING
- INSTALL TEMPORARY SIGNALS AT BLACKHAWK ROAD
- INSTALL TEMPORARY SIGNALS AT USH 14

TRAFFIC OPERATIONS:
- PLEASANT VIEW ROAD: MAINTAIN TRAFFIC ON EXISTING LANES
- CLOSE ONE LANE USING THE STANDARD DETAIL DRAWING "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" DURING OFF PEAK HOURS AS NECESSARY.
- TIMBER WOLF TRAIL, BLACKHAWK ROAD, GREENWAY BOULEVARD, AND QUARRY ROAD OPEN TO TRAFFIC AT ALL TIMES.
- MAINTAIN FULL ACCESS FOR PEDESTRIANS ON EXISTING SIDEWALKS.
- MAINTAIN FULL ACCESS FOR THE GREENWAY CENTER TRAIL.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\025002_tc_Stage1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

OLD SAUK ROAD

PLEASANT VIEW ROAD

+50 97+00 +50 98+00 +50 99+00 +50 100+00 +50 101+00 +50 102

MATCHLINE STA. 102+00

PLEASANT VIEW ROAD

ROAD WORK AHEAD W20-1A

OLD SAUK ROAD

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1	SHEET 299	E

2

N

OLD SAUK ROAD

205+00 OS

206+00 OS

207+00 OS

+50

+00

MATCHLINE STA. 102+00

END
ROAD WORK
G20-2A
48" X 24"

PLEASANT VIEW ROAD

103+00

104+00

105+00

106+00

107+00

108

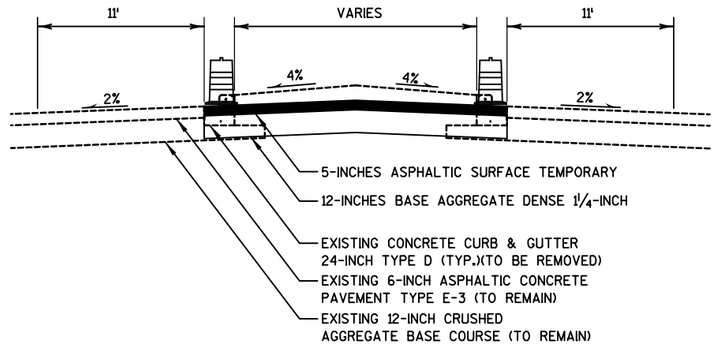
STA. 106+31, 17.9'LT

STA. 106+78, 15.1'LT

STA. 107+00, 11.6'LT

MATCHLINE STA. 108+00

ROAD
WORK
500 FT
W20-1D



STAGE 1 TYPICAL SECTION

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1	SHEET 300	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026001_s1.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

TIMBER WOLF TRAIL

SS

STA. 108+31.5, 21.1' LT

STA. 108+31.5, 11.0' LT

MATCHLINE STA. 108+00

108+00 +50 109+00 +50 110+00 +50 111+00 +50 112+00 +50 113+00 +50 114+00

MATCHLINE STA. 114+00

PAVEMENT REPLACEMENT REQ'D
FOR STORM SEWER INSTALLATION

STA. 111+37.9, 5.0' RT

5"

PLEASANT VIEW ROAD

25' TYP.

33'

STA. 108+47.6, 32.4' RT

STA. 108+76.6, 33.0' RT

STA. 108+47.7, 34.9' RT

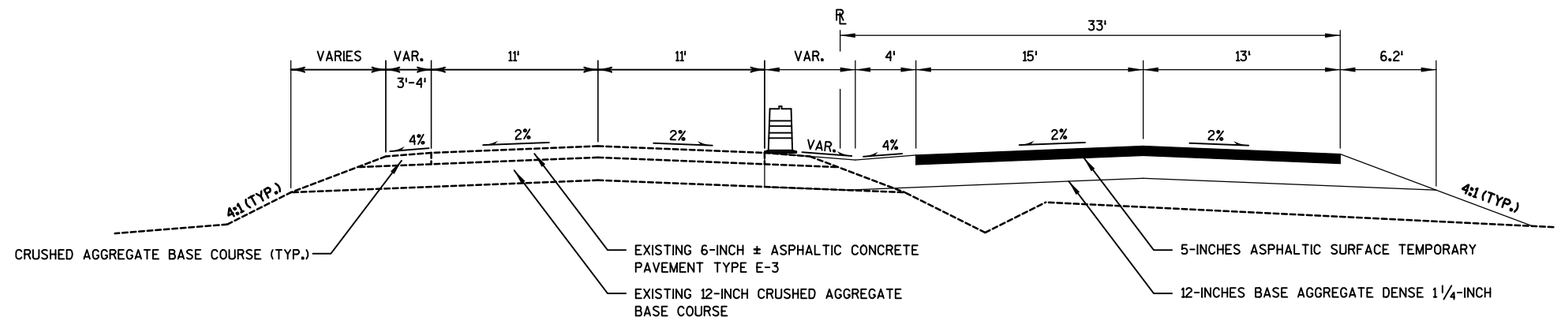
BEGIN PROJECT
STA. 108+32.00

COVER PLATES REQ'D

COVER PLATES REQ'D

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"



STAGE 1 TYPICAL SECTION

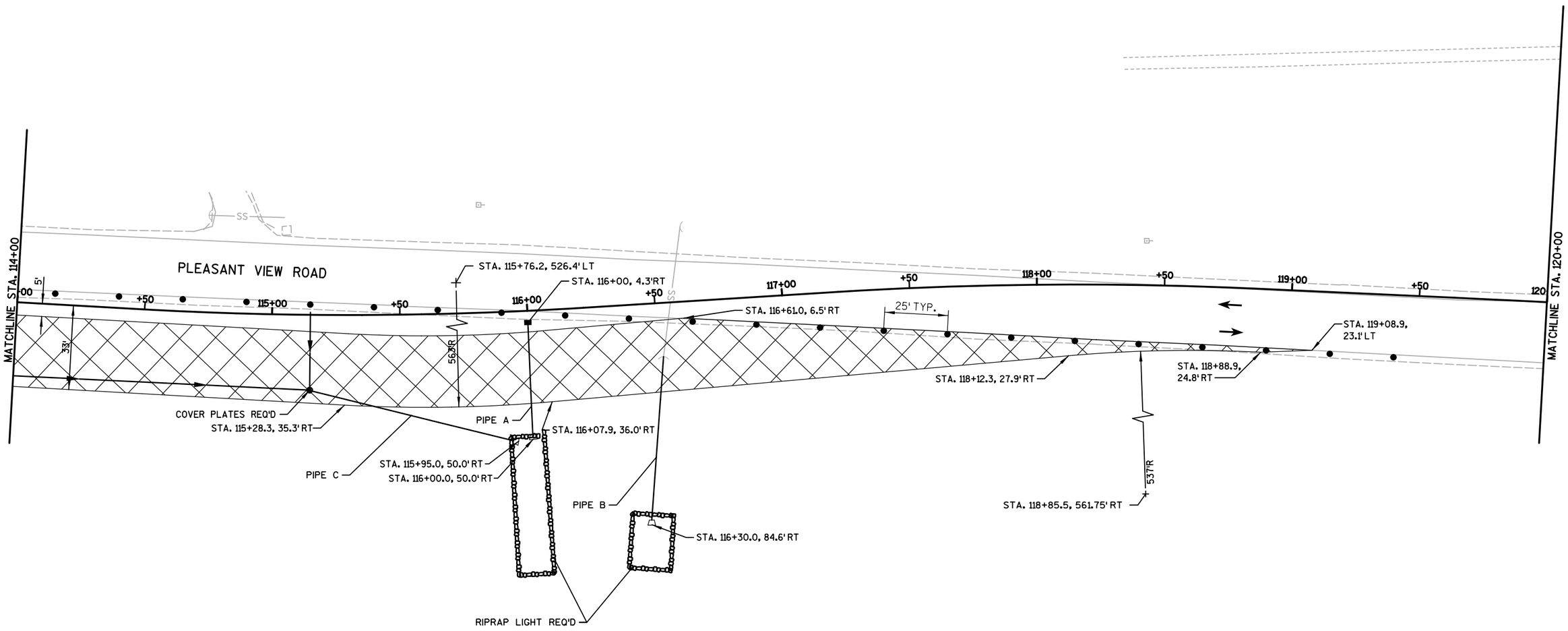
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1	SHEET 301	E

PIPE A DETAILS:
46-FT OF CULVERT PIPE TEMPORARY 12-INCH
INLETS 2X2-FT REQ'D; INLET COVERS TYPE S REQ'D
RIM ELEVATION=1019.28; REMOVING INLETS 2X2-FT REQ'D (WHEN REMOVING TEMPORARY INLET)
UPSTREAM INVERT=1016.50, DOWNSTREAM INVERT APPROXIMATELY 1016.00
APRON ENDWALLS FOR CULVERT PIPE 12-INCH REQ'D

PIPE B DETAILS:
70-FT OF CULVERT PIPE TEMPORARY 54-INCH (FIELD VERIFY EXISTING PIPE SIZE)
UPSTREAM INVERT APPROXIMATELY=1003.30, DOWNSTREAM INVERT=1002.50
CONCRETE COLLARS FOR PIPE REQ'D
APRON ENDWALLS FOR CULVERT PIPE 54-INCH REQ'D

PIPE C DETAILS:
84-FT OF CULVERT PIPE TEMPORARY 18-INCH
UPSTREAM INVERT APPROXIMATELY=1023.50, DOWNSTREAM INVERT=1016.00
CONCRETE COLLARS FOR PIPE REQ'D
APRON ENDWALLS FOR CULVERT PIPE 18-INCH REQ'D

N



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1	SHEET 302	E

2

N

MATCHLINE STA. 120+00

SS

STA. 127+08, 1982.2'LT

2013'R

MATCHLINE STA. 126+00

+00 +50 121+00 +50 122+00 +50 123+00 +50 124+00 +50 125+00 +50 126

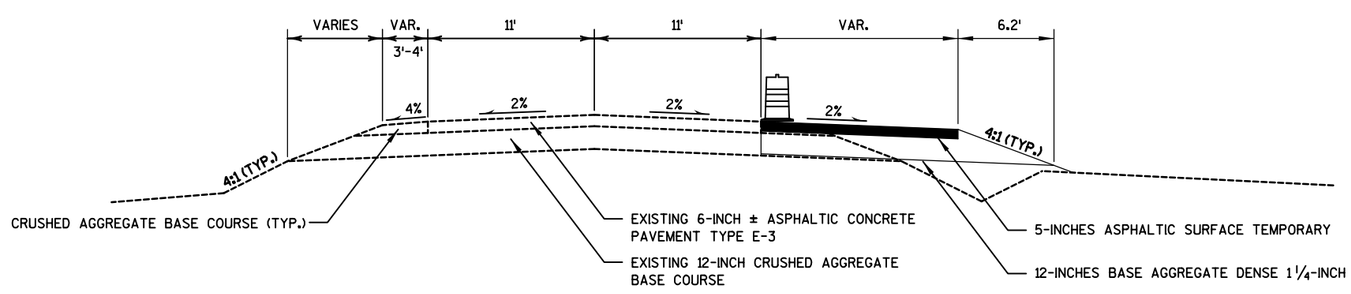
PLEASANT VIEW ROAD

25' TYP.

STA. 121+54, 18.0'RT

STA. 124+65, 17.1'RT

LANE CLOSED
R11-2L
48" X 30"



STAGE 1 TYPICAL SECTION

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1	SHEET 303	E

2

N

MATCHLINE STA. 14+00 B

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48" X 24"

BLACKHAWK ROAD

0 B
+50 B
15+00 B
+50 B
16+00 B
+50 B
17+00 B
+50 B

MATCHLINE STA. 126+00

+00
+50
127+00
+50
128+00
+50
129+00
+50
130+00
+50
131+00
+50
132

PLEASANT VIEW ROAD

STA. 126+22, 20.4'RT

STA. 129+99, 42.1'LT

STA. 130+89, 39.2'LT

STA. 131+59, 40.0'LT

25' TYP.

101.5'R

STA. 131+69, 974.9'RT

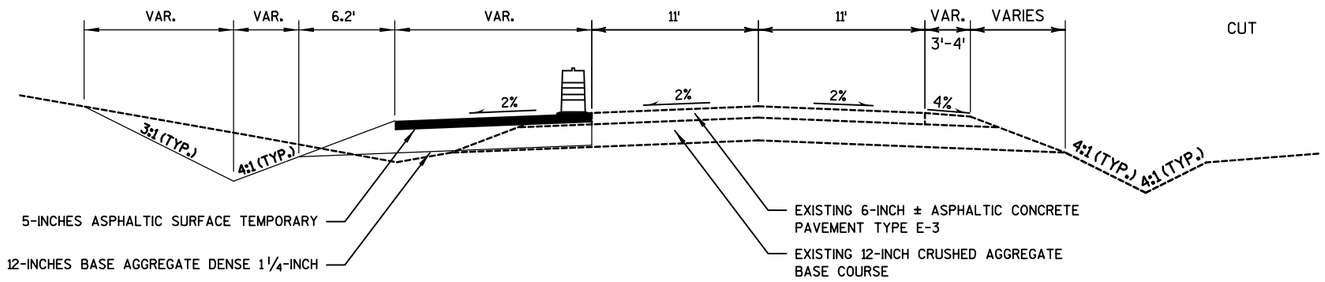
MATCHLINE STA. 132+00

SS

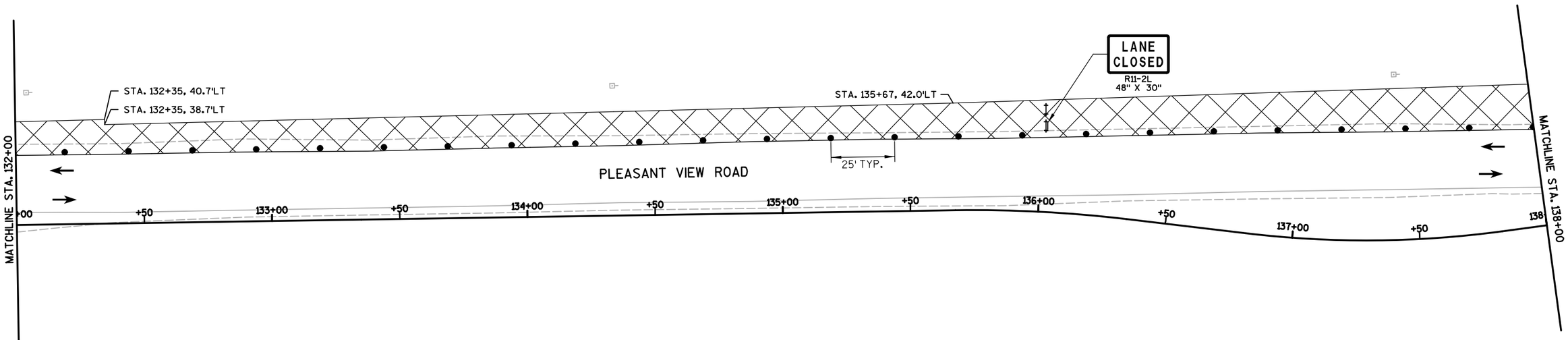
MATCHLINE STA. 17+50 B

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026005_s1.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



STAGE 1 TYPICAL SECTION



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026006_s1.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

PIPE D DETAILS:
25-FT OF CULVERT PIPE TEMPORARY 24-INCH (FIELD VERIFY EXISTING PIPE SIZE)
UPSTREAM INVERT=1017.10, DOWNSTREAM INVERT APPROXIMATELY 1016.79
CONCRETE COLLARS FOR PIPE REQ'D
APRON ENDWALLS FOR CULVERT PIPE 24-INCH REQ'D

N

POND D

STA. 139+30, 54.6'LT
PIPE D
STA. 138+90, 46.6'LT
STA. 139+46, 46.5'LT
STA. 140+68, 85.8'LT

MATCHLINE STA. 138+00

PLEASANT VIEW ROAD

25' TYP.

PLEASANT VIEW ROAD

MATCHLINE STA. 144+00

138+00
+50
139+00
+50
140+00
+50
141+00
+50
142+00
+50
143+00
+50
144

STA. 141+36, 1923.7'RT
2013'R

GREENWAY BLVD

50+00 G
+50 G
51+00 G

MATCHLINE STA. 51+00 G

END
ROAD WORK
G20-2A
48" X 24"

ROAD
WORK
AHEAD
W20-1A

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026007_s1.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PIPE E DETAILS:
25-FT OF CULVERT PIPE TEMPORARY 36-INCH (FIELD VERIFY EXISTING PIPE SIZE)
UPSTREAM INVERT=1008.01, DOWNSTREAM INVERT APPROXIMATELY 1006.93
CONCRETE COLLARS FOR PIPE REQ'D
APRON ENDWALLS FOR CULVERT PIPE 36-INCH REQ'D

PIPE F DETAILS:
63-FT OF CULVERT PIPE TEMPORARY 24-INCH
UPSTREAM INVERT=1017.35, DOWNSTREAM INVERT 1015.35
APRON ENDWALLS FOR CULVERT PIPE 24-INCH REQ'D (2)

N

GOLF COURSE ENTRANCE

POND E

STA. 145+09, 2025.2'LT

1987'R

STA. 146+10, 56.8'LT

PIPE E

LANE CLOSED

R11-2L

48" X 30"

STA. 148+83, 48'LT

PIPE F

STA. 149+46, 48'LT

STA. 149+50, 38.2'LT

STA. 144+73, 38.5'LT

STA. 145+27, 38.2'LT

PLEASANT VIEW ROAD

25' TYP.

MATCHLINE STA. 144+00

MATCHLINE STA. 150+00

144+00 +50 145+00 +50 146+00 +50 147+00 +50 148+00 +50 149+00 +50 150

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1	SHEET 307	E

2

N

GOLF COURSE ENTRANCE

SIDEWALK CLOSED
R9-9
24" X 12"

LANE CLOSED
R11-2L
48" X 30"

STA. 155+61.4, 75.5'LT

STA. 151+36, 2028.5'LT

1988'R

ASPHALTIC CURB REQ'D
STA. 152+00 TO 155+05 LT

STA. 154+98, 71.9'LT

STA. 152+19, 44.4'LT
ASPHALTIC FLUMES REQ'D

STA. 152+58, 47.9'LT

STA. 150+50, 37.1'LT

SIDEWALK CLOSED
R9-9
24" X 12"

STA. 155+80, 55.0'LT

25' TYP.

PLEASANT VIEW ROAD

STA. 151+50, 0.6'LT

STA. 151+50, 4.5'RT

4' TYP.

MATCHLINE STA. 150+00

+00 +50 151+00 +50 152+00 +50 153+00 +50 154+00 +50 155+00 +50 156

MATCHLINE STA. 156+00

STA. 151+20, 2.3'RT

STA. 151+50, 6.5'RT

STA. 152+00, 1.5'RT

VARIES VAR. 3'-4' 11' 11' VAR. 3'

4%

2% 2% 2%

4:1 (TYP.)

2:1 (TYP.)

2:1 (TYP.)

CRUSHED AGGREGATE BASE COURSE (TYP.)

EXISTING 6-INCH ± ASPHALTIC CONCRETE PAVEMENT TYPE E-3

EXISTING 12-INCH CRUSHED AGGREGATE BASE COURSE

5-INCHES ASPHALTIC SURFACE TEMPORARY

12-INCHES BASE AGGREGATE DENSE 1 1/4-INCH

SEE MAINLINE CROSS SECTIONS FOR ADDITIONAL INFORMATION

STAGE 1 TYPICAL SECTION

R11-3(MOD)
60" X 30"

PATH CLOSED
3/8 MILES AHEAD
LOCAL TRAFFIC ONLY

TYPE III BARRICADE

PLACE ON GREENWAY CENTER TRAIL AT INTERSECTION WITH SOUTH FORK TRAIL

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1	SHEET 308	E

2

N

2

PLEASANT VIEW ROAD

MATCHLINE STA. 156+00

MATCHLINE STA. 162+00

+00 +50 157+00 +50 158+00 +50 159+00 +50 160+00 +50 161+00 +50 162

SS

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1	SHEET 309	E

2

N

PLEASANT VIEW ROAD

MATCHLINE STA. 162+00

MATCHLINE STA. 168+00

STA. 162+50, 3.0' RT

STA. 162+50, 5.0' RT

STA. 163+06, 8.9' RT

STA. 163+00, 6.5' RT

STA. 163+36, 4.8' RT

STA. 166+00, 5.2'RT

STA. 166+00, 16.5'RT

LANE CLOSED
R11-2L
48" X 30"

25' TYP.

638'R

STA. 165+15, 653.5'RT

SS

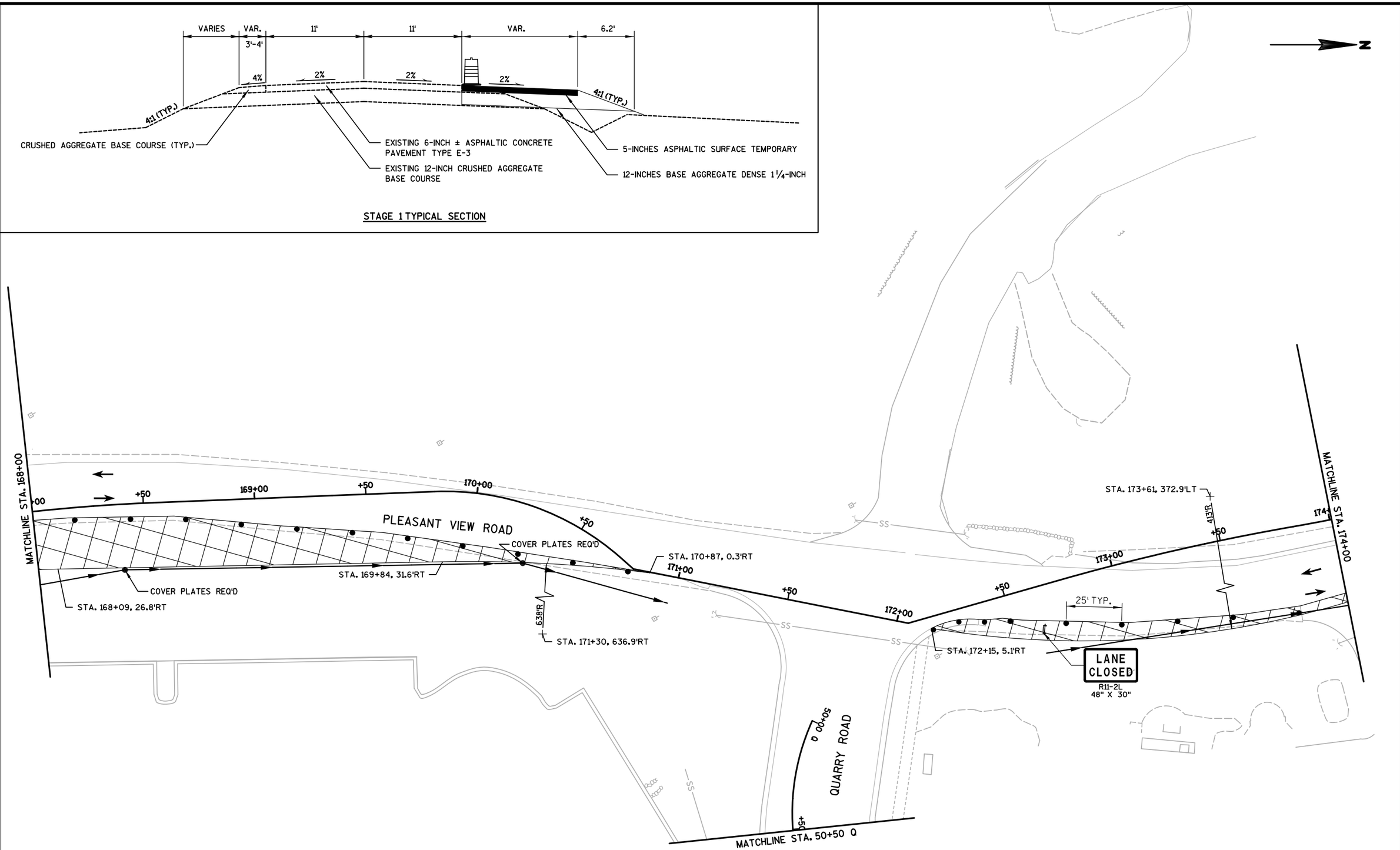
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026011_s1.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

STAGE 1 TYPICAL SECTION



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1	SHEET 311	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026012_s1.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PIPE G DETAILS;
60-FT OF CULVERT PIPE TEMPORARY 24-INCH (FIELD VERIFY EXISTING PIPE SIZE)
UPSTREAM INVERT=942.72, DOWNSTREAM INVERT 941.44
APRON ENDWALLS FOR CULVERT PIPE 24-INCH REQ'D (2)

PIPE I DETAILS;
TIE-IN EXISTING CULVERT TO PIPE G
4-FT OF CULVERT PIPE TEMPORARY 18-INCH (FIELD VERIFY EXISTING PIPE SIZE)
CONCRETE COLLARS FOR PIPE REQ'D (2)

PIPE H DETAILS;
60-FT OF CULVERT PIPE TEMPORARY 12-INCH (FIELD VERIFY EXISTING PIPE SIZE)
UPSTREAM INVERT=941.36, DOWNSTREAM INVERT 941.00
APRON ENDWALLS FOR CULVERT PIPE 12-INCH REQ'D (2)

PIPE J DETAILS;
13-FT OF CULVERT PIPE TEMPORARY 12-INCH (FIELD VERIFY EXISTING PIPE SIZE)
CONCRETE COLLARS FOR PIPE REQ'D
UPSTREAM INVERT=941.62, DOWNSTREAM INVERT=940.73
APRON ENDWALLS FOR CULVERT PIPE 12-INCH REQ'D

N

MATCHLINE STA. 174+00

STA. 170+02, 960.9'LT

1013R

PLEASANT VIEW ROAD

MATCHLINE STA. 180+00

175+00 +50 176+00 +50 177+00 25' TYP. +50 178+00 +50 179+00 +50 180

PIPE I

STA. 174+79, 25.9'RT

STA. 176+35, 11.4'RT

STA. 176+40, 19.3'RT

PIPE G

STA. 176+76, 12.0'RT

STA. 177+00, 22.2'RT

26.9'RT

LANE CLOSED
R11-2L
48" X 30"

REMOVE APPROXIMATELY 5-FT OF BOX CULVERT.
BOX CULVERT SHOULD REMAIN ACCEPTING OF FLOWS.

PIPE J

STA. 178+32, 20.5'RT

PIPE H

STA. 179+00, 19.4'RT

STA. 179+60, 21'RT

SS

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026013_s1.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

2

N

MATCHLINE STA. 180+00

PLEASANT VIEW ROAD

25' TYP.

STA. 181+36, 1.3'RT

STA. 181+47, 7.0'RT

STA. 181+76, 12.0'RT

STA. 181+37, 12.0'RT

STA. 181+47, 12.0'RT

LANE CLOSED
R11-2L
48" X 30"

END PROJECT
STA. 182+12.38

99+00 U

101+00 U

USH 14 (UNIVERSITY AVE.)

ROAD WORK 250 FT
W20-1H

ROAD WORK 500 FT
W20-1D

PLEASANT VIEW ROAD

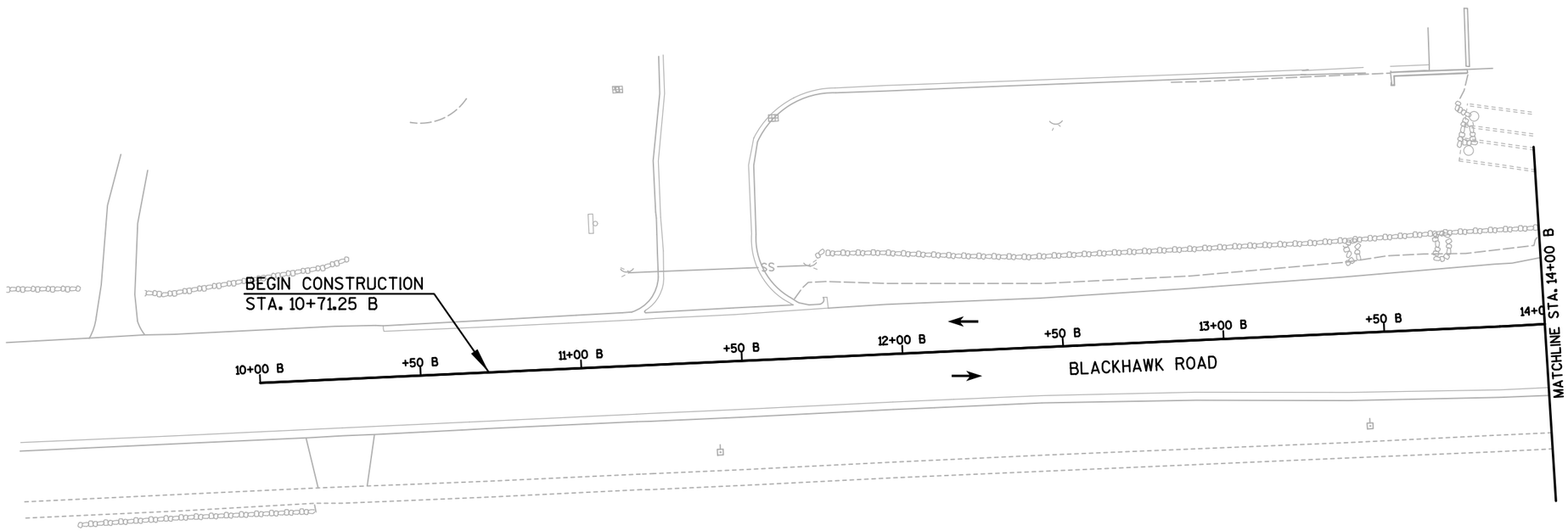
END CONSTRUCTION
STA. 186+20.00

END ROAD WORK
G20-2A
48" X 24"

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026014_s1.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

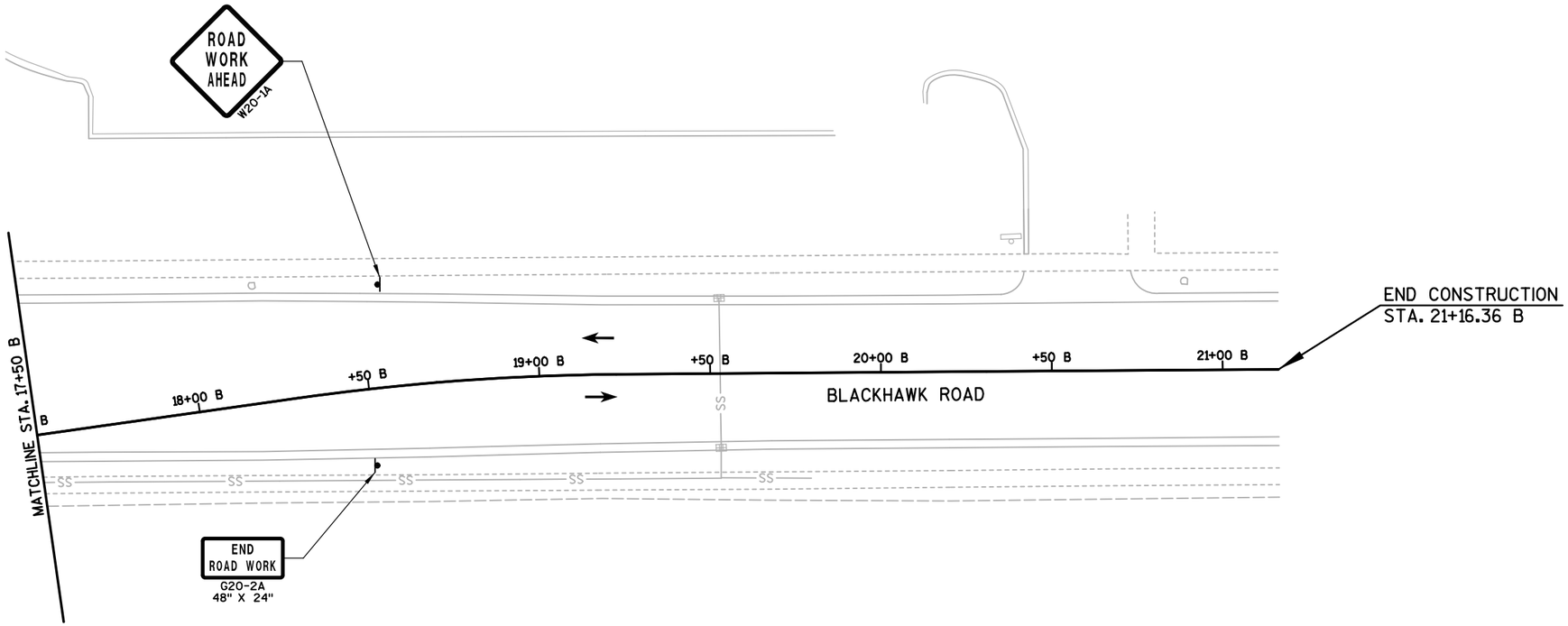
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1	SHEET 314	E

2

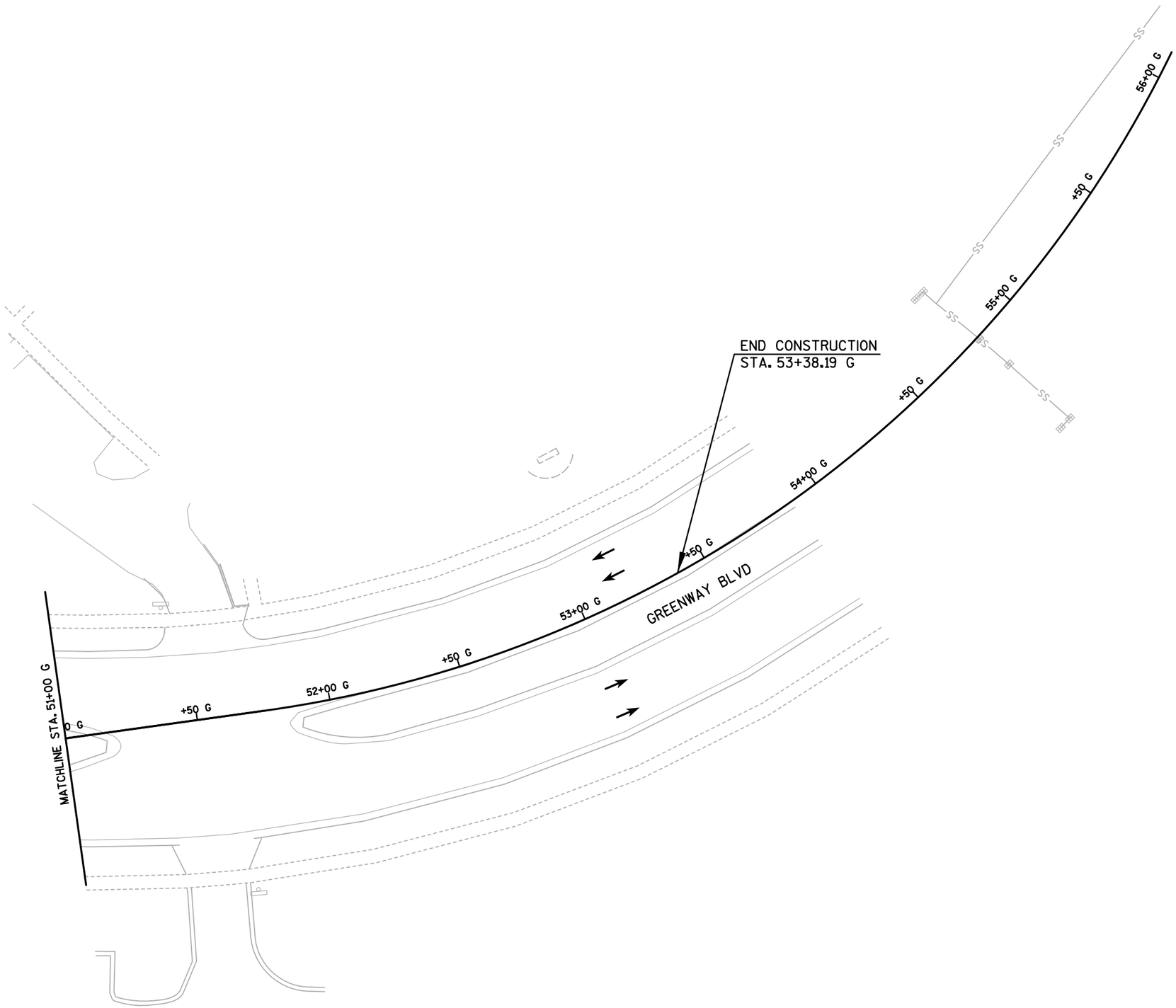
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1	SHEET 315	E

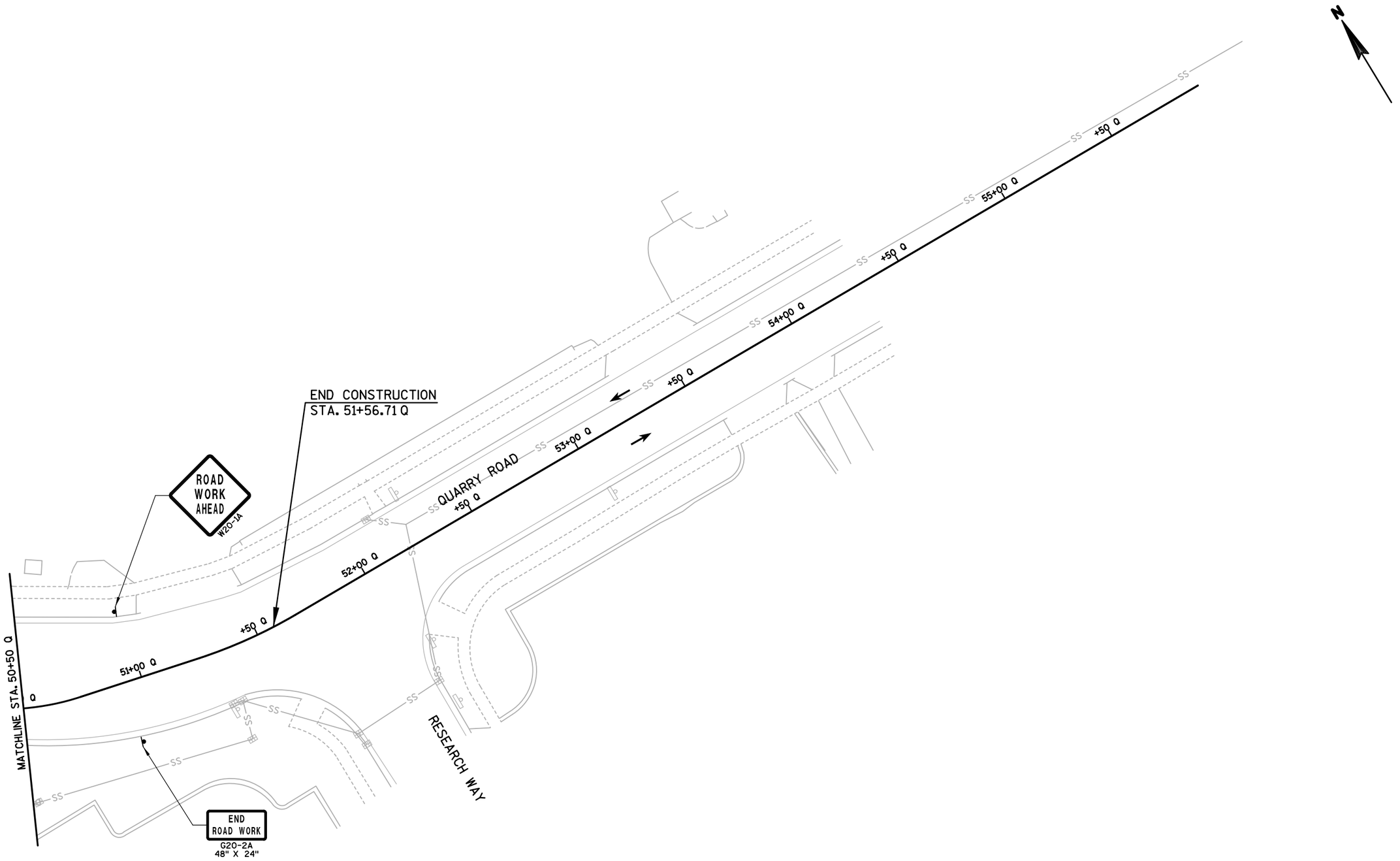
2

N



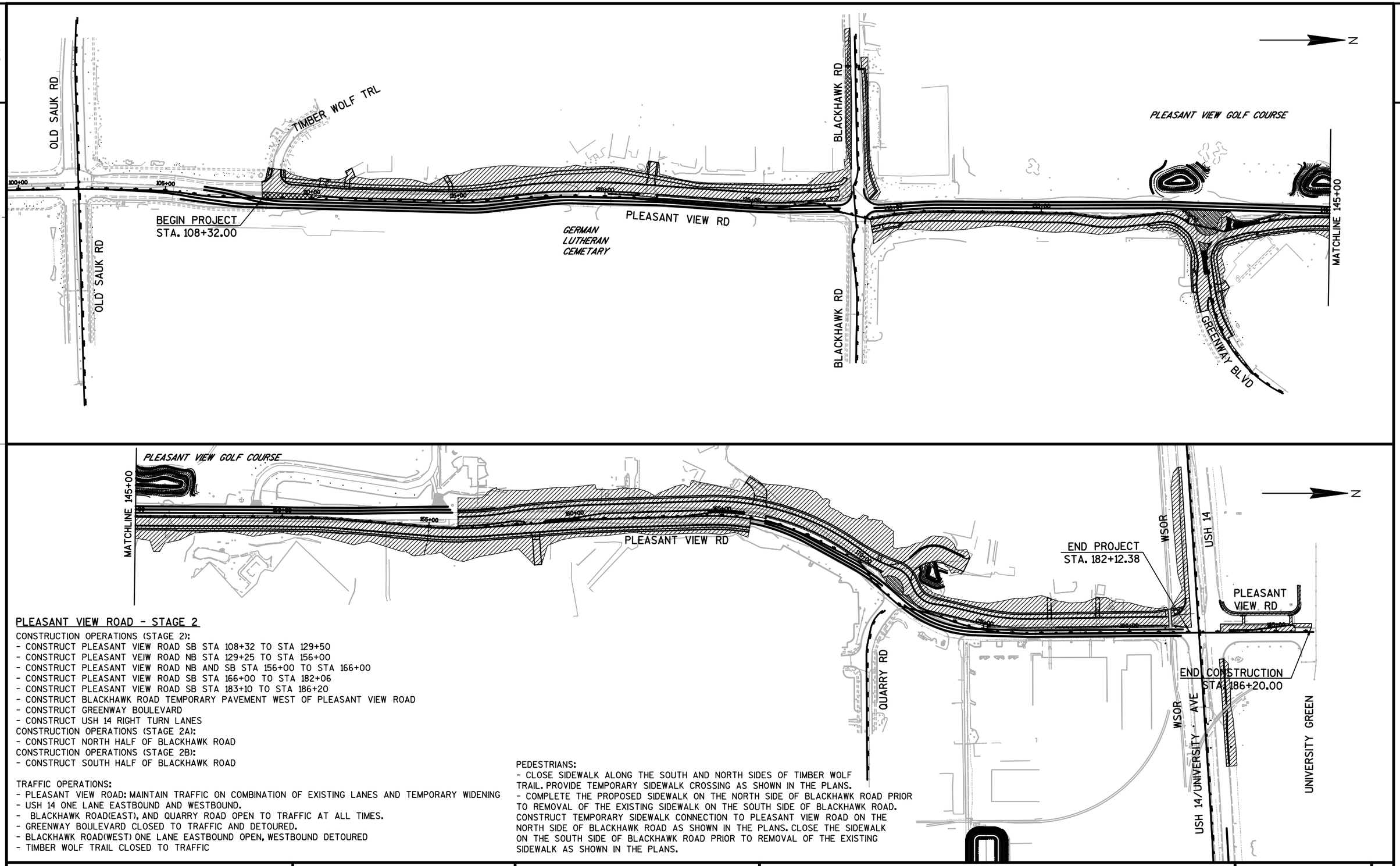
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1	SHEET 316	E

2



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1	SHEET 317	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026020_s1.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



PLEASANT VIEW ROAD - STAGE 2

CONSTRUCTION OPERATIONS (STAGE 2):
- CONSTRUCT PLEASANT VIEW ROAD SB STA 108+32 TO STA 129+50
- CONSTRUCT PLEASANT VEIW ROAD NB STA 129+25 TO STA 156+00
- CONSTRUCT PLEASANT VIEW ROAD NB AND SB STA 156+00 TO STA 166+00
- CONSTRUCT PLEASANT VIEW ROAD SB STA 166+00 TO STA 182+06
- CONSTRUCT PLEASANT VIEW ROAD SB STA 183+10 TO STA 186+20
- CONSTRUCT BLACKHAWK ROAD TEMPORARY PAVEMENT WEST OF PLEASANT VIEW ROAD
- CONSTRUCT GREENWAY BOULEVARD
- CONSTRUCT USH 14 RIGHT TURN LANES

CONSTRUCTION OPERATIONS (STAGE 2A):
- CONSTRUCT NORTH HALF OF BLACKHAWK ROAD

CONSTRUCTION OPERATIONS (STAGE 2B):
- CONSTRUCT SOUTH HALF OF BLACKHAWK ROAD

TRAFFIC OPERATIONS:
- PLEASANT VIEW ROAD: MAINTAIN TRAFFIC ON COMBINATION OF EXISTING LANES AND TEMPORARY WIDENING
- USH 14 ONE LANE EASTBOUND AND WESTBOUND.
- BLACKHAWK ROAD(EAST), AND QUARRY ROAD OPEN TO TRAFFIC AT ALL TIMES.
- GREENWAY BOULEVARD CLOSED TO TRAFFIC AND DETOURED.
- BLACKHAWK ROAD(WEST) ONE LANE EASTBOUND OPEN, WESTBOUND DETOURED
- TIMBER WOLF TRAIL CLOSED TO TRAFFIC

PEDESTRIANS:
- CLOSE SIDEWALK ALONG THE SOUTH AND NORTH SIDES OF TIMBER WOLF TRAIL. PROVIDE TEMPORARY SIDEWALK CROSSING AS SHOWN IN THE PLANS.
- COMPLETE THE PROPOSED SIDEWALK ON THE NORTH SIDE OF BLACKHAWK ROAD PRIOR TO REMOVAL OF THE EXISTING SIDEWALK ON THE SOUTH SIDE OF BLACKHAWK ROAD. CONSTRUCT TEMPORARY SIDEWALK CONNECTION TO PLEASANT VIEW ROAD ON THE NORTH SIDE OF BLACKHAWK ROAD AS SHOWN IN THE PLANS. CLOSE THE SIDEWALK ON THE SOUTH SIDE OF BLACKHAWK ROAD PRIOR TO REMOVAL OF THE EXISTING SIDEWALK AS SHOWN IN THE PLANS.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\025003_tc_Stage2.dgn PLOT DATE : 7/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

OLD SAUK ROAD

PLEASANT VIEW ROAD

SS

+50

97+00

98+00

99+00

100+00

101+00

102

MATCHLINE STA. 102+00

PLEASANT VIEW ROAD

LEFT LANE CLOSED AHEAD
W20-5A

ROAD WORK 500 FT
W20-1D

W04-2L

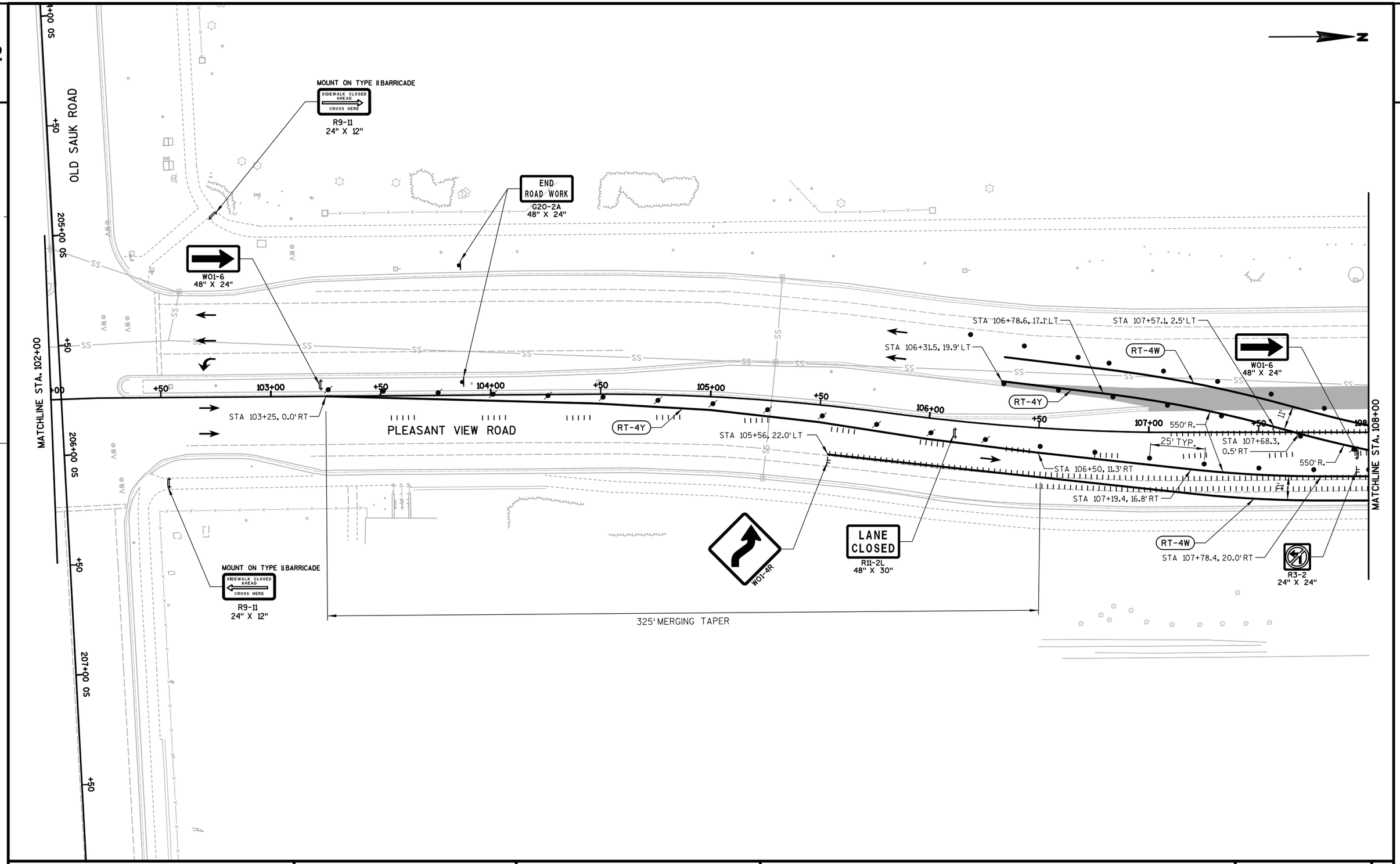
ROAD WORK 250 FT
W20-1H

OLD SAUK ROAD

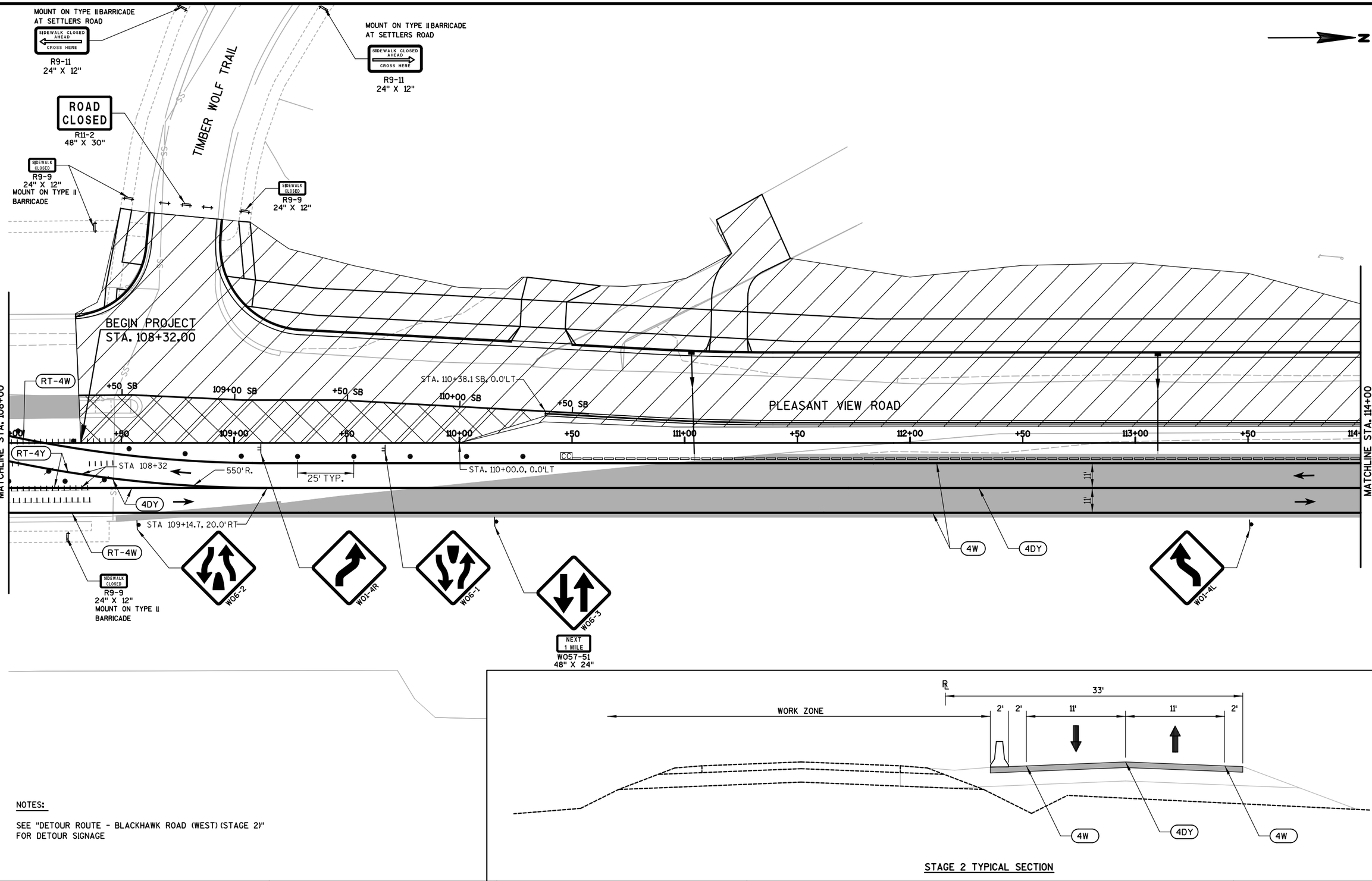
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026100_s2.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET 320	E



NOTES:

SEE "DETOUR ROUTE - BLACKHAWK ROAD (WEST) (STAGE 2)" FOR DETOUR SIGNAGE

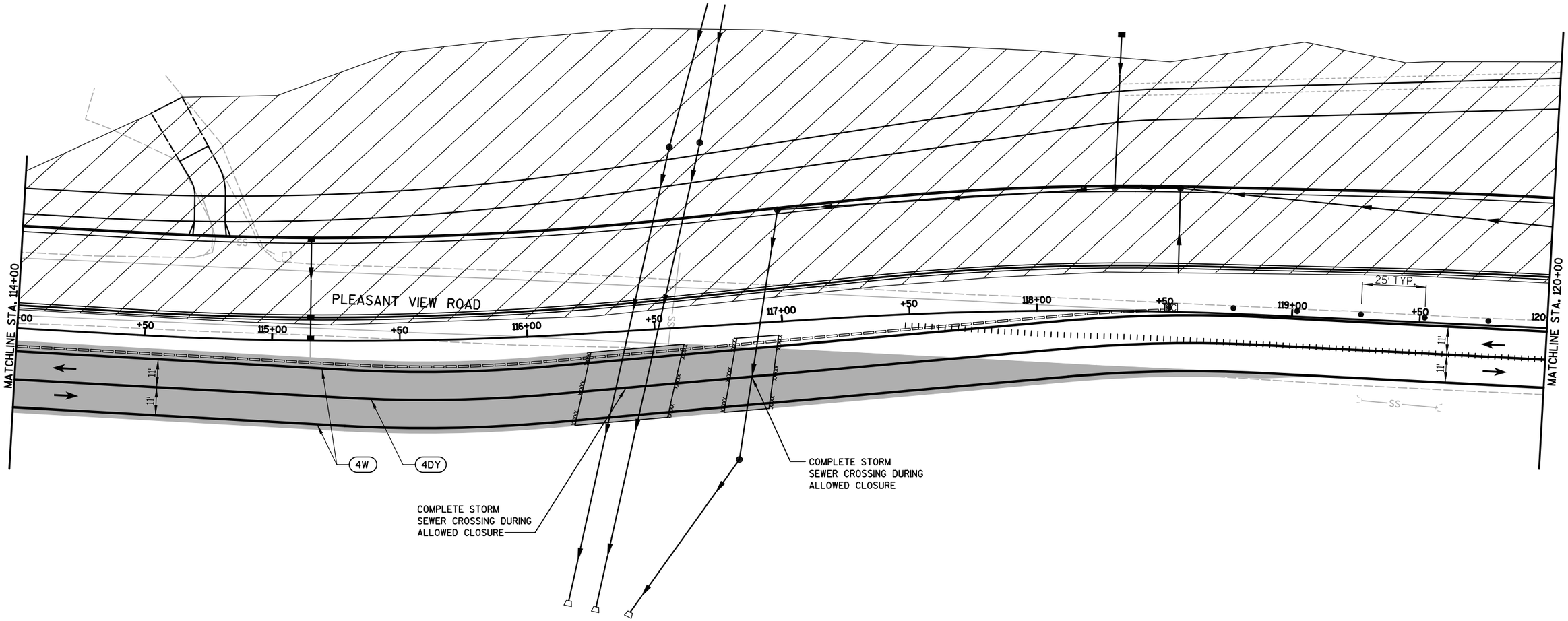
STAGE 2 TYPICAL SECTION

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026102_s2.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET 322	E

2

N

MOUNT ON TYPE II BARRICADE
SIDEWALK CLOSED
R9-9
24" X 12"

PLEASANT VIEW ROAD

MATCHLINE STA. 120+00

MATCHLINE STA. 126+00

120+00 +50 121+00 +50 122+00 +50 123+00 +50 124+00 +50 125+00 +50 126

CC

25' TYP.

11'

W01-4L

W01-7
48" X 24"

STOP
R1-1
30" X 30"

LANE CLOSED
R11-2L
48" X 30"

W06-3

DO NOT PASS
R4-1
24" X 30"

W06-3

DO NOT PASS
R4-1
24" X 30"

4W

4DY

WORK ZONE 2' 11' 11' 2'

1

4W 4DY 4W

STAGE 2 TYPICAL SECTION

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET 323	E

2

N

MATCHLINE STA. 14+00 B

STA. 14+00B, 34.7'LT

TEMPORARY PEDESTRIAN SURFACE ASPHALT REQ'D

5'

STA. 14+52 B, 24.7'RT

STA. 127+81, 48.6'LT

STA. 127+81, 29.3'LT

BLACKHAWK ROAD

14+50 B

STA. 14+51.5B, 34.2'LT

9'*

SS — * 9' FROM BACK OF PROPOSED CONC. CURB & GUTTER 30-INCH TYPE D SPECIAL

SPEED LIMIT 35

R2-1
24" X 30"

STA. 126+92, 9.4'LT

STA. 126+82, 9.1'LT

15+00 B

STA. 15+35.8B, 73.9'LT

TEMPORARY PEDESTRIAN CURB RAMP REQ'D

ROAD CLOSED
1/2 MILE AHEAD
LOCAL TRAFFIC ONLY

R11-3
60" X 30"

50' R.

4W

4DY

4'

11'

11'

14+00 B

45' R.

COMPLETE STORM SEWER CROSSING DURING ALLOWED CLOSURE

COVER PLATES REQ'D

127+00

+50

65.5'R

STA. 129+36.4
35.7' LT

STA. 128+56, 25.1'LT

RT-8W

COVER PLATES REQ'D

40' R.

25' R.

PLEASANT VIEW ROAD

MATCHLINE STA. 126+00

MATCHLINE STA. 132+00

128+00

129+00

130+00

131+00

132

16+00 B

STA. 128+06.7

11' LT

4W

4DY

SS

ROAD CLOSED AHEAD
W20-3A

W01-4L

LANE CLOSED
R11-2L
48" X 30"

COVER PLATES REQ'D

COMPLETE STORM SEWER CROSSING DURING ALLOWED CLOSURE

17+00 B

BLACKHAWK ROAD

MOUNT ON BARRICADE TYPE II

SIDEWALK CLOSED
R9-9
24" X 12"

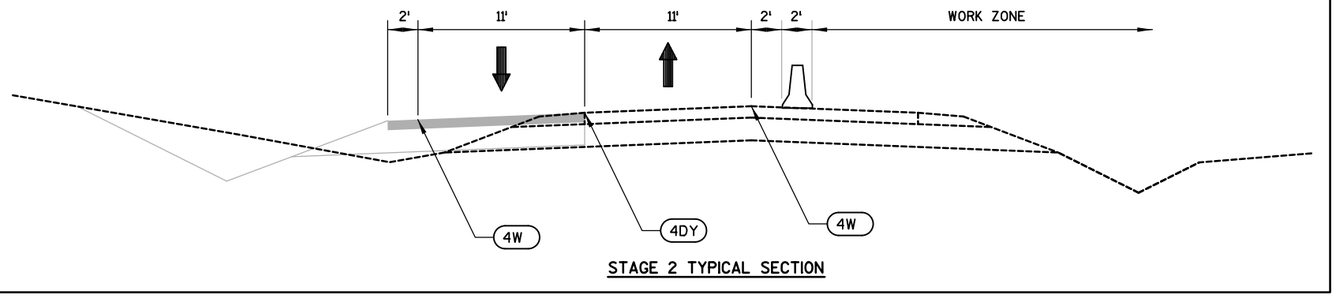
MATCHLINE STA. 17+50 B

NOTES:

SEE "DETOUR ROUTE - BLACKHAWK ROAD (WEST) (STAGE 2)" FOR DETOUR SIGNAGE

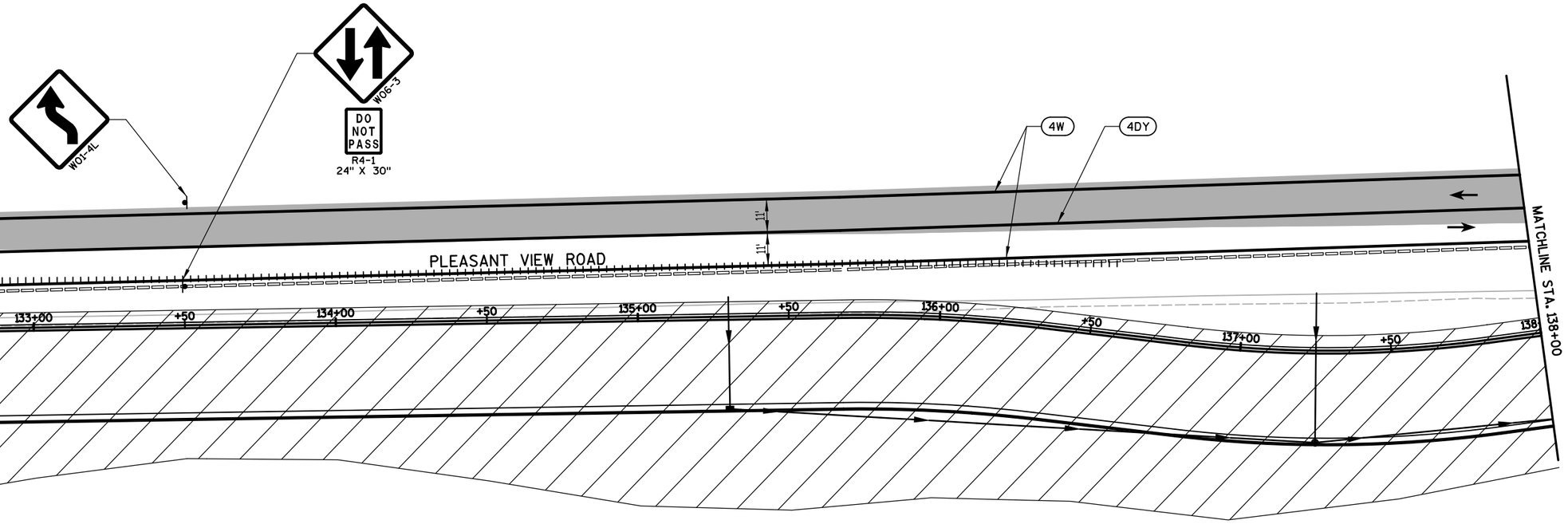
SEE "DETOUR ROUTE - GREENWAY BLVD (STAGE 2)" FOR DETOUR SIGNAGE

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET 324	E



STAGE 2 TYPICAL SECTION





PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026106_s2.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N

PLEASANT VIEW ROAD

PLEASANT VIEW ROAD

MATCHLINE STA. 138+00

MATCHLINE STA. 144+00

COVER PLATES REQ'D

R3-1
24" X 24"

COMPLETE STORM
SEWER CROSSING DURING
ALLOWED CLOSURE

COMPLETE STORM
SEWER CROSSING DURING
ALLOWED CLOSURE

STA. 139+70, 26.0'LT

STA. 139+96, 24.5'LT

ROAD
CLOSED
R11-2
48" X 30"

R3-2
24" X 24"

4W

4DY

W06-3

DO
NOT
PASS
R4-1
24" X 30"

STA. 141+73, 61.3'LT

25' TYP.

CO

CO

11'

11'

139+00

+50

+00

140+00

57.1R

STA. 139+80, 31.0'RT

141+00

+50

58R

142+00

+50

143+00

+50

144

STA. 141+72, 3.3'LT

STA. 141+10, 7.1'LT

STA. 141+13, 6.2'RT

50+00 G

+50 G

51+00

GREENWAY BLVD

MATCHLINE STA. 51+00 G

NOTES:

SEE "DETOUR ROUTE - BLACKHAWK ROAD (WEST)(STAGE 2)"
FOR DETOUR SIGNAGE

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET 326	E

2

N

GOLF COURSE ENTRANCE

SPEED LIMIT 35
R2-1
24" X 30"

COMPLETE STORM SEWER CROSSING DURING ALLOWED CLOSURE

ROAD CLOSED 1000 FT
W20-3C

COMPLETE STORM SEWER CROSSING DURING ALLOWED CLOSURE

COVER PLATES REQ'D

4W

4DY

PLEASANT VIEW ROAD

11'

11'

MATCHLINE STA. 144+00

MATCHLINE STA. 150+00

144+00 +50 145+00 +50 146+00 +50 147+00 +50 148+00 +50 149+00 +50 150

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET 327	E

2

GOLF COURSE ENTRANCE

SIDEWALK CLOSED
R9-9
24" X 12"

N

SPEED LIMIT 35
R2-1
24" X 30"

ROAD CLOSED 500 FT
W20-3D

4W

4DY

10'

10'

PLEASANT VIEW ROAD

ROAD CLOSED
R11-2
48" X 30"

MATCHLINE STA. 150+00

MATCHLINE STA. 156+00

150+00 +50 151+00 +50 152+00 +50 153+00 +50 154+00 +50 155+00 +50 156

SIDEWALK CLOSED
R9-9
24" X 12"

R11-3(MOD)
60" X 30"

PATH CLOSED
3/8 MILES AHEAD
LOCAL TRAFFIC ONLY

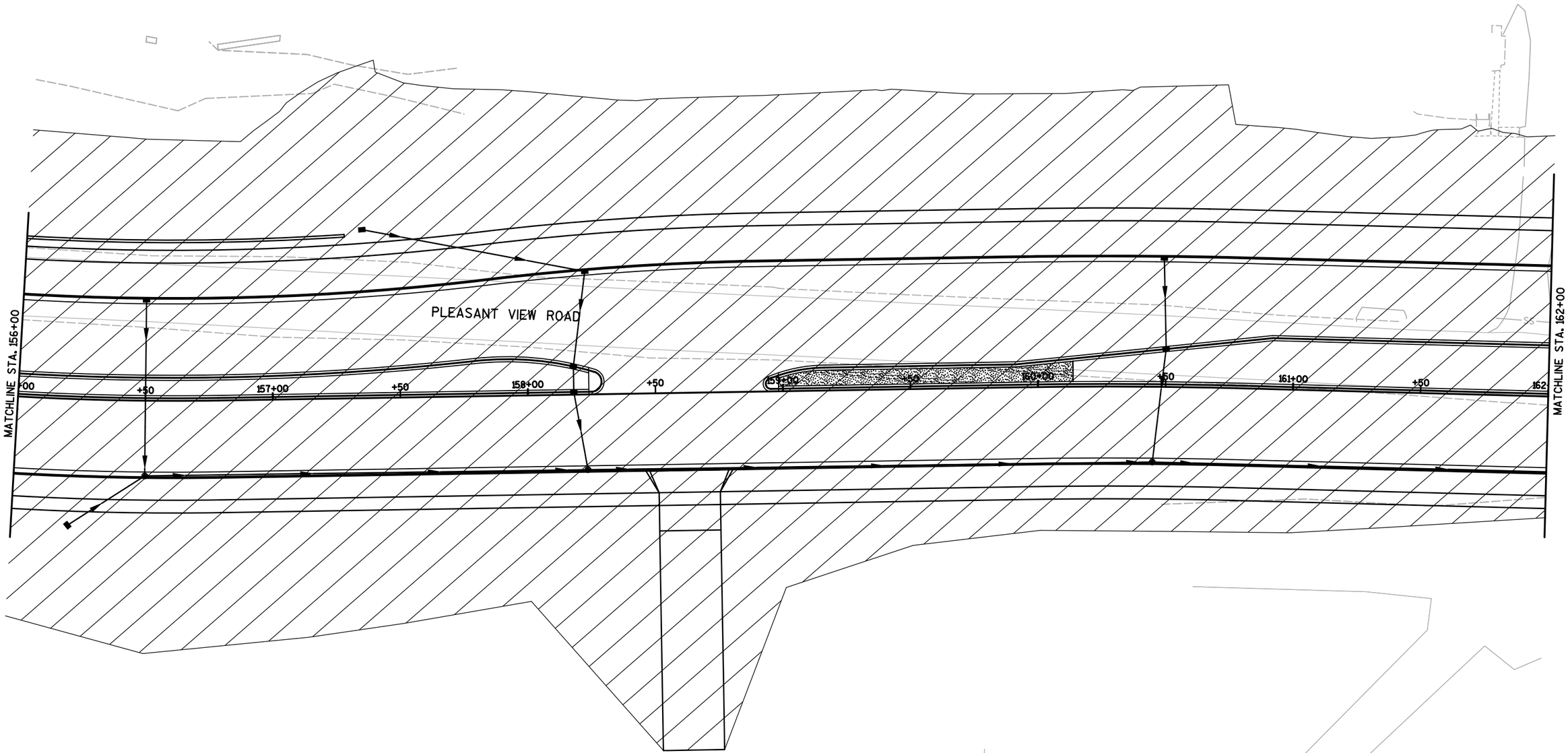
TYPE III BARRICADE

PLACE ON GREENWAY CENTER TRAIL AT INTERSECTION WITH SOUTH FORK TRAIL

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET 328	E

2

N



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET 329	E

2

N

PLEASANT VIEW ROAD

MATCHLINE STA. 162+00

MATCHLINE STA. 168+00

163+00

164+00

165+00

166+00

167+00

168

+50

4W

4DY

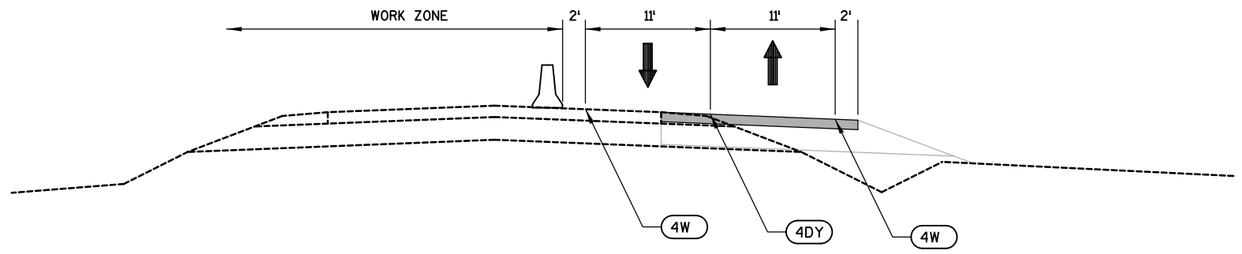
11'

11'

ROAD CLOSED
R11-2
48" X 30"

W06-3

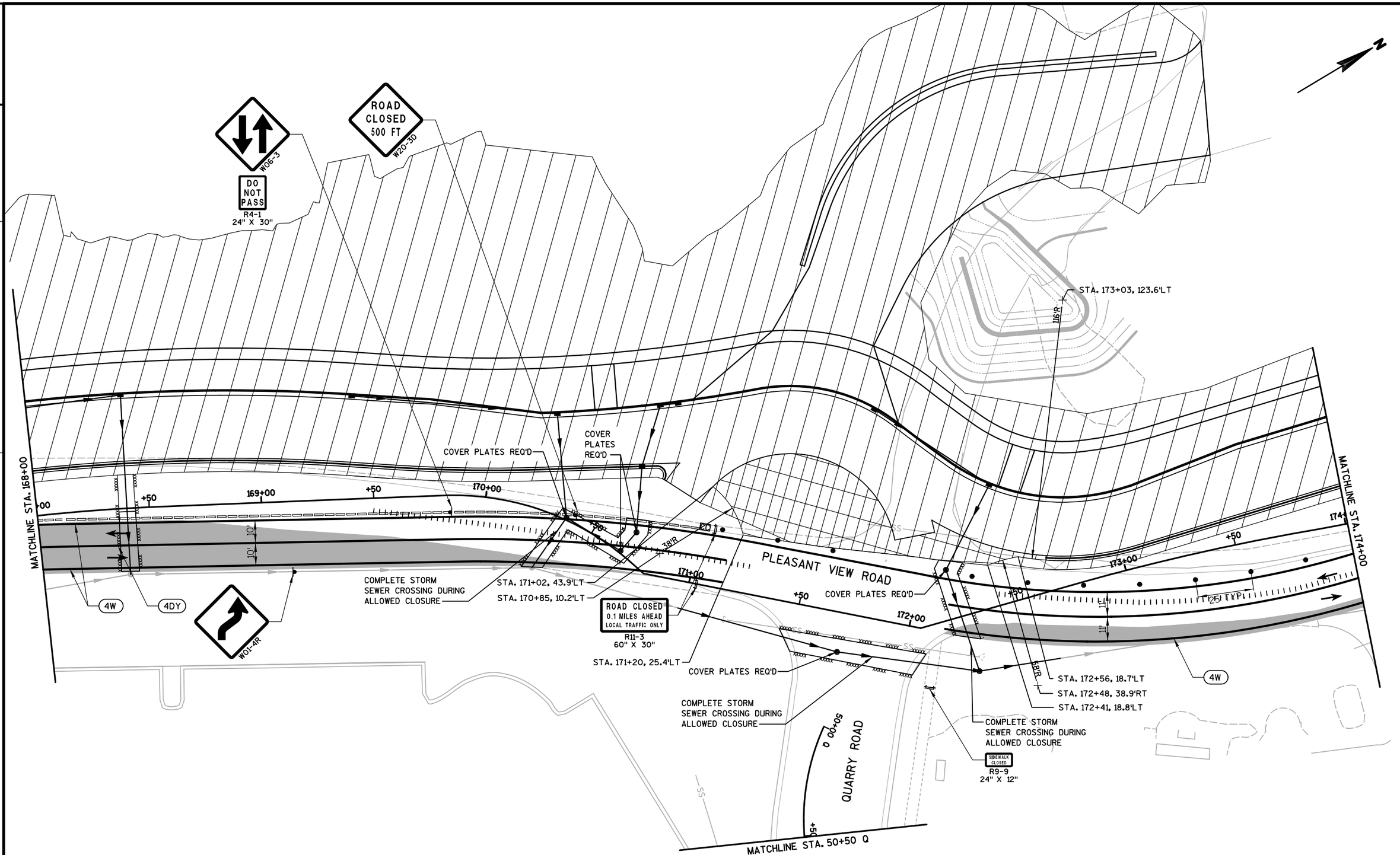
DO NOT PASS
R4-1
24" X 30"



STAGE 2 TYPICAL SECTION

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET 330	E

2



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET 331	E

2

N

MATCHLINE STA. 174+00

MATCHLINE STA. 180+00

175+00 +50 176+00 +50 177+00 +50 178+00 +50 179+00 +50 180+00

CL

11'

11'

SS

COVER PLATES REQ'D

25' TYP.

PLEASANT VIEW ROAD

COMPLETE STORM SEWER CROSSING DURING ALLOWED CLOSURE

COVER PLATES REQ'D

W01-4R

ROAD CLOSED 1000 FT

W20-3C

W06-3

DO NOT PASS

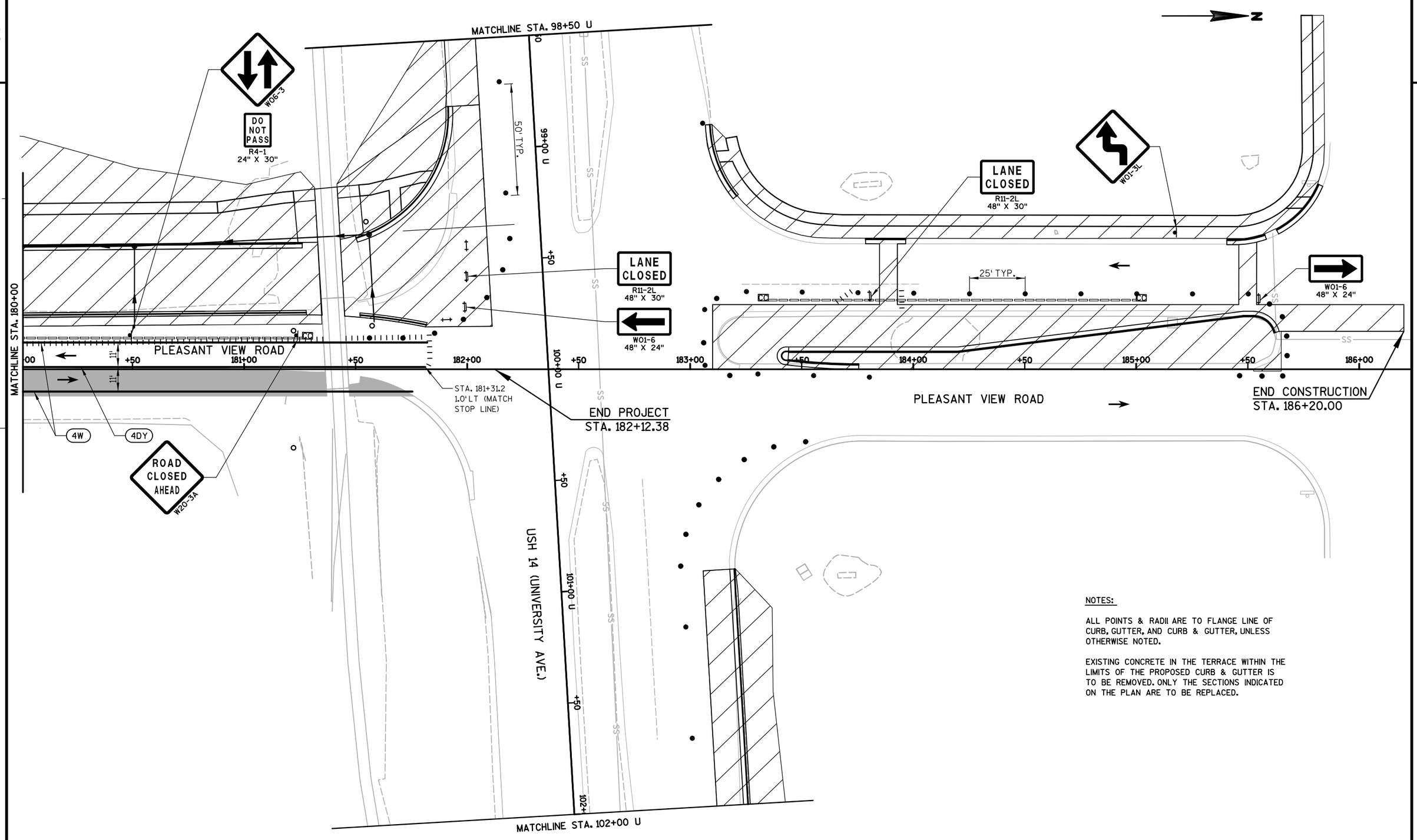
R4-1

24" X 30"

4W

4DY

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET 332	E



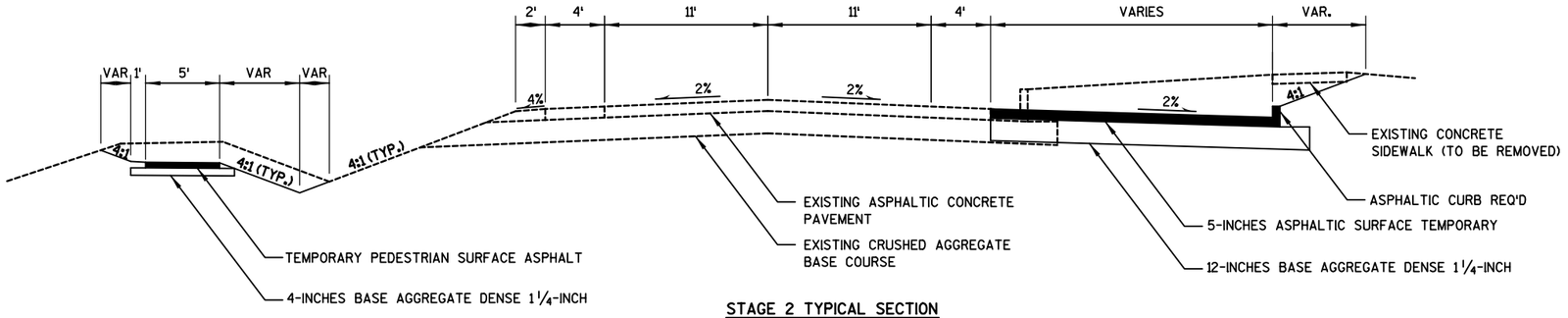
NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

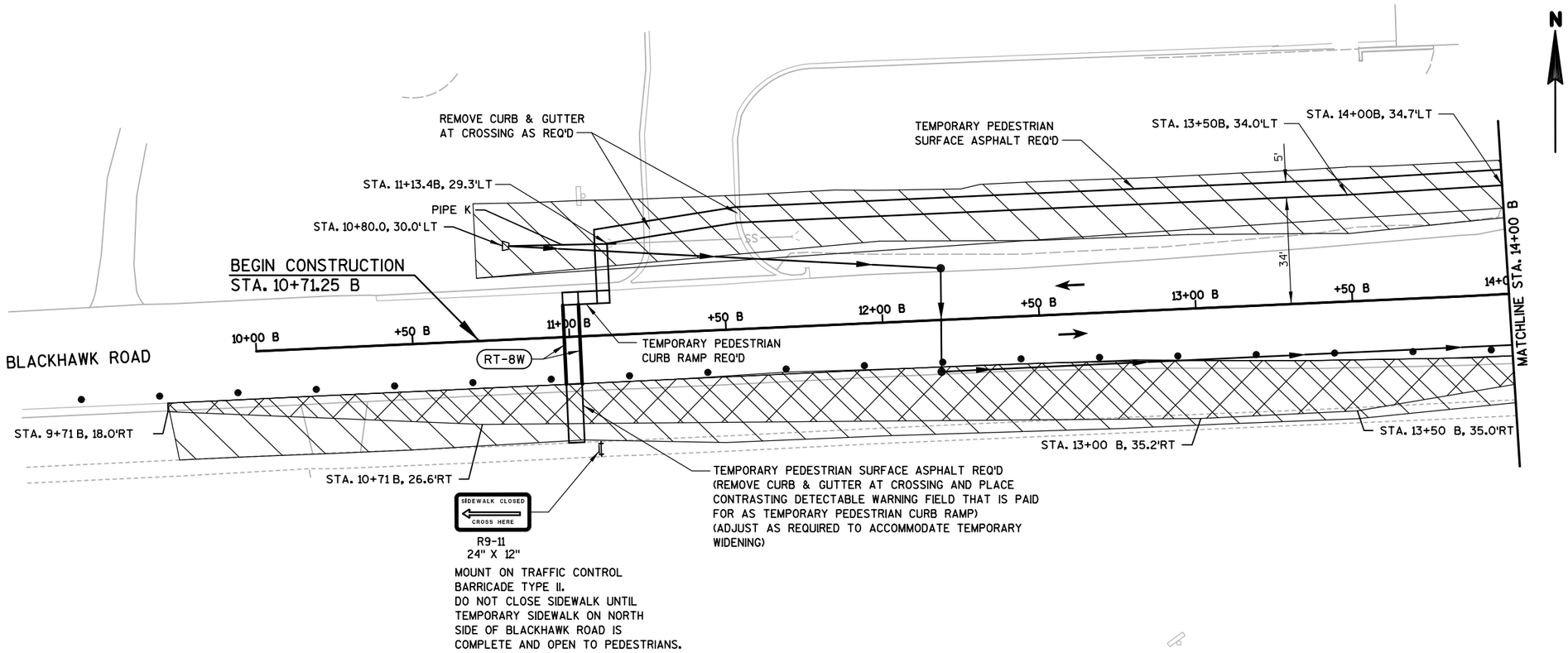
EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB & GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

PROJECT NO: 5310-02-75	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET 333	E

PIPE K DETAILS:
36-FT OF CULVERT PIPE TEMPORARY 18-INCH (FIELD VERIFY EXISTING PIPE SIZE)
UPSTREAM INVERT APPROXIMATELY=1041.90, DOWNSTREAM INVERT=1039.95
CONCRETE COLLARS FOR PIPE REQ'D
APRON ENDWALLS FOR CULVERT PIPE SALVAGED 18-INCH REQ'D



STAGE 2 TYPICAL SECTION



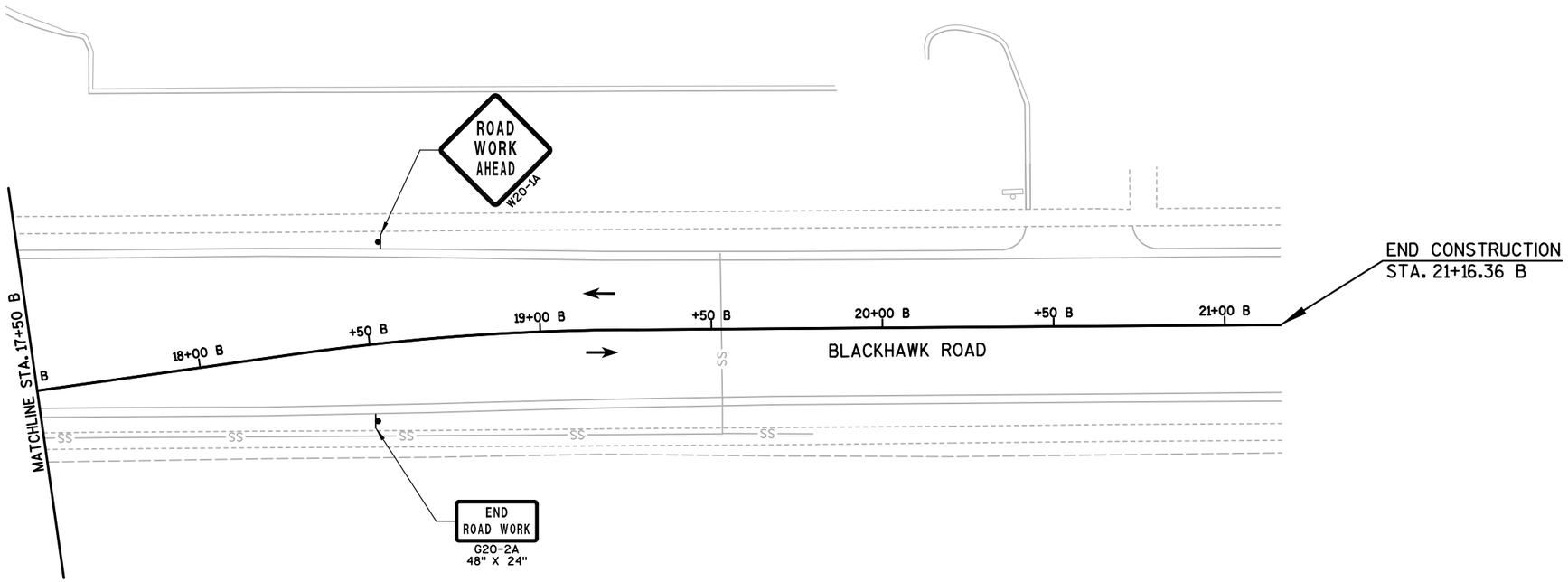
NOTES:

SEE "DETOUR ROUTE - GREENWAY BLVD (STAGE 2)" FOR DETOUR SIGNAGE

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET 334	E

2

N



NOTES:

SEE "DETOUR ROUTE - BLACKHAWK ROAD (WEST)(STAGE 2)"
FOR DETOUR SIGNAGE

SEE "DETOUR ROUTE - GREENWAY BLVD (STAGE 2)"
FOR DETOUR SIGNAGE

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET 335	E

2

N

ROAD CLOSED TO THRU TRAFFIC
R11-4
60" X 30"

MOUNT ON TYPE II BARRICADE
AT GIALAMAS WAY
SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
24" X 12"

END CONSTRUCTION
STA. 53+38.19 G

25' TYP.

ROAD CLOSED
R11-2
48" X 30"

MOUNT ON TYPE II BARRICADE
SIDEWALK CLOSED
R9-9
24" X 12"

GREENWAY BLVD

MATCHLINE STA. 51+00 G

MOUNT ON TYPE II BARRICADE
AT GIALAMAS WAY
SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
24" X 12"

SIDEWALK CLOSED
MOUNT ON TYPE II BARRICADE
R9-9
24" X 12"

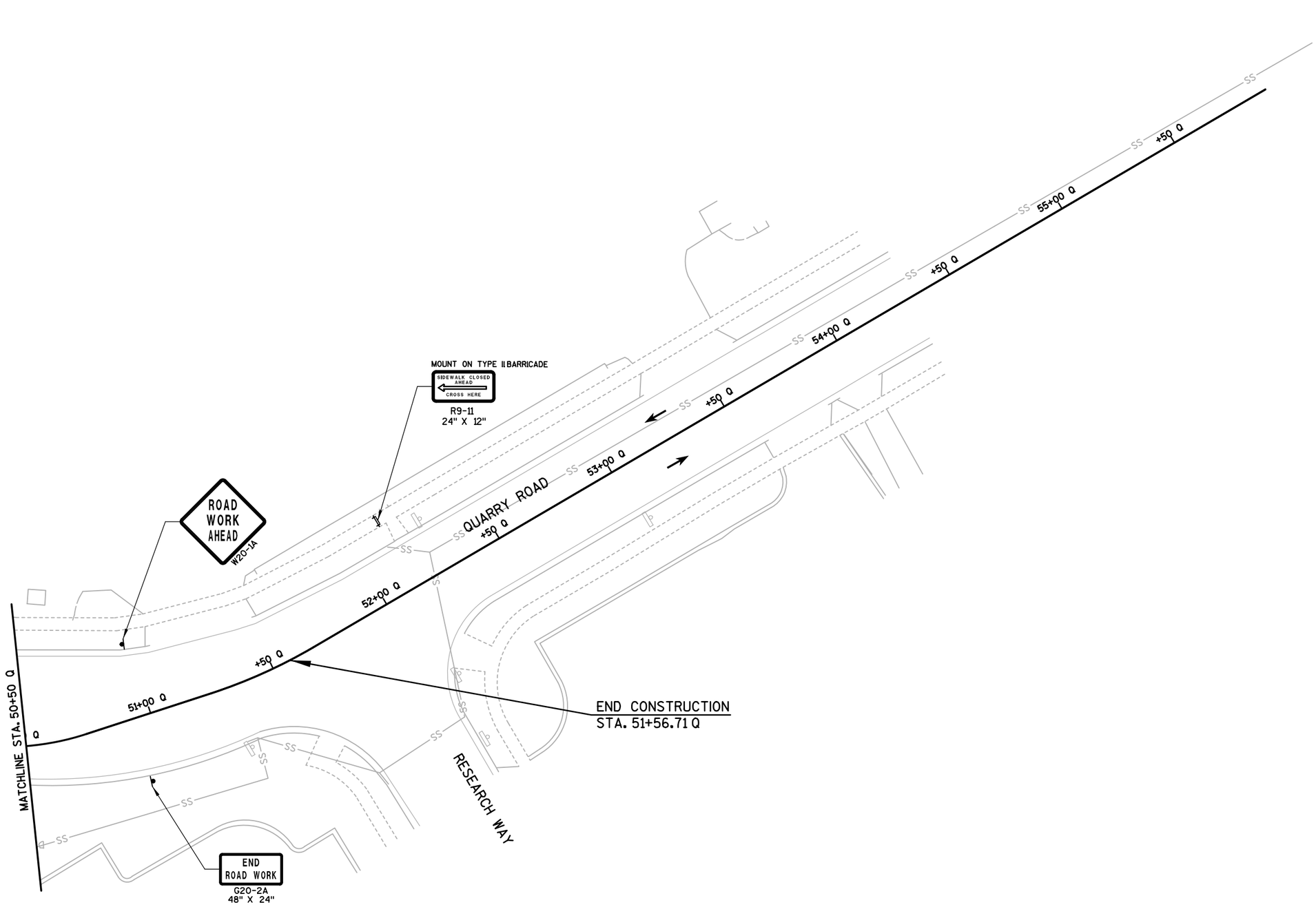
R3-2
24" X 24"

NOTES:

SEE "DETOUR ROUTE - GREENWAY BLVD (STAGE 2)"
FOR DETOUR SIGNAGE

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET 336	E

2



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET 337	E

2

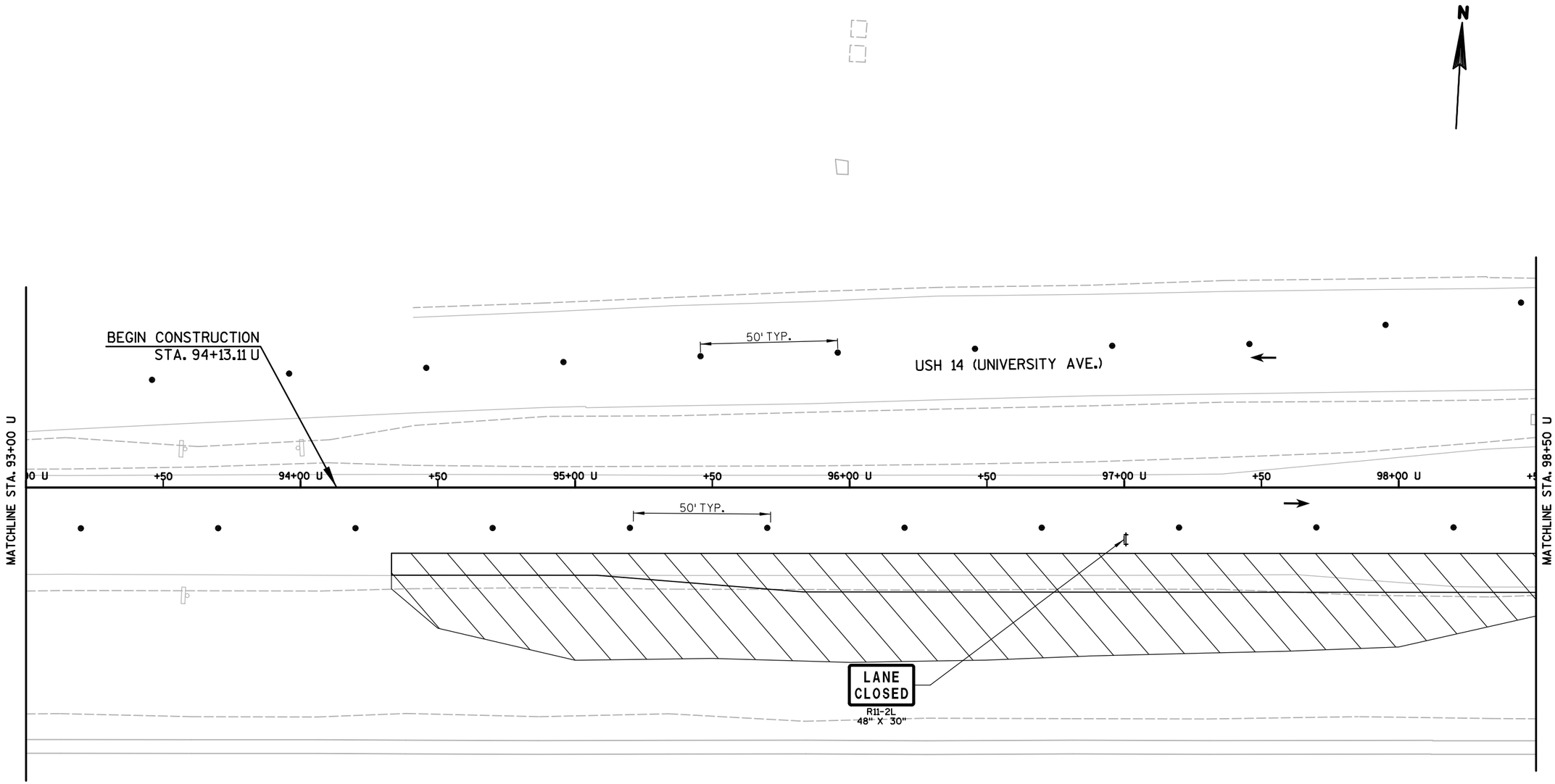


PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026121_s2.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

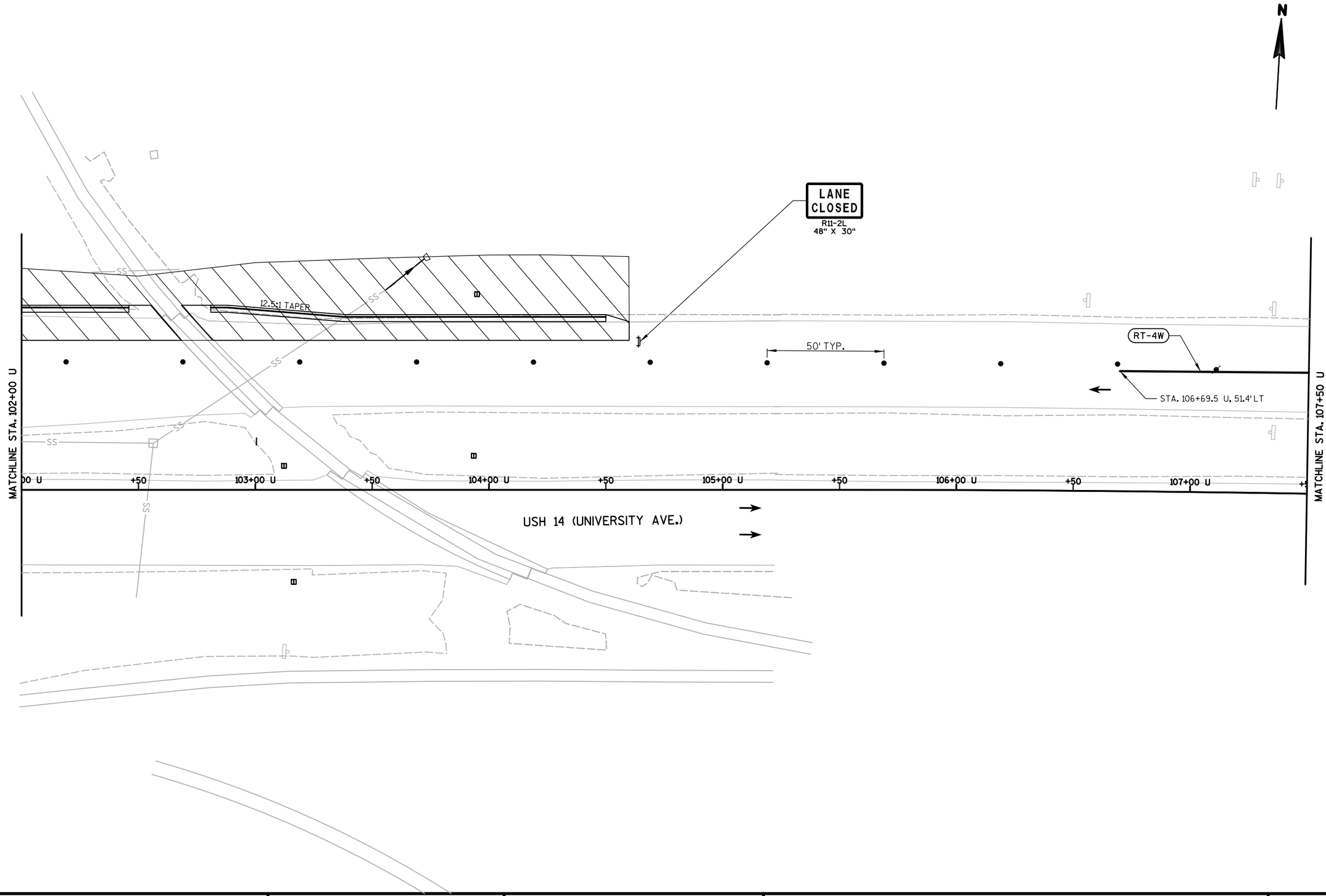
2

2



PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET 339	E

2



PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET 340	E

2

2

N

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY" FOR ADDITIONAL DETAILS

RT-4W

50' TYP.

STA. 112+10 U, MATCH EXIST. EDGE LINE

MATCHLINE STA. 107+50 U

108+00 U

+50

109+00 U

+50

110+00 U

+50

111+00 U

+50

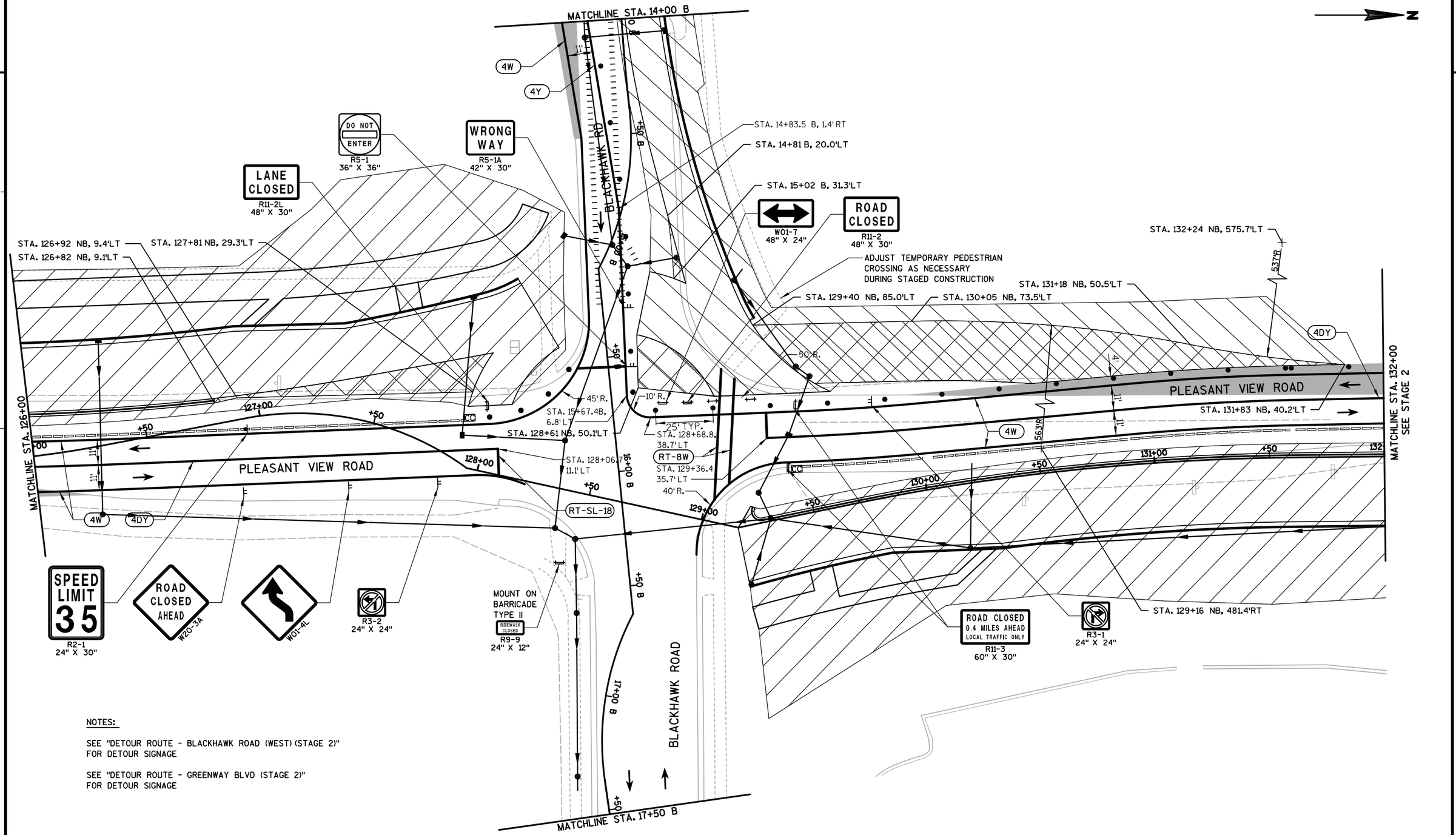
END CONSTRUCTION
STA. 108+25.51 U

USH 14 (UNIVERSITY AVE.)

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026124_s2.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



NOTES:

SEE "DETOUR ROUTE - BLACKHAWK ROAD (WEST) (STAGE 2)" FOR DETOUR SIGNAGE

SEE "DETOUR ROUTE - GREENWAY BLVD (STAGE 2)" FOR DETOUR SIGNAGE

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2A	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026205_s2A.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

ROAD CLOSED 1000 FT
W20-3C

STA. 139+70 NB, 26.0'LT

STA. 139+96 NB, 24.5'LT

ROAD CLOSED
R11-2
48" X 30"

11'

11'

4W

4DY

W06-3

DO NOT PASS
R4-1
24" X 30"

PLEASANT VIEW ROAD

STA. 141+73 NB, 61.3'LT

PLEASANT VIEW ROAD

25' TYP.

CO

MATCHLINE STA. 138+00

MATCHLINE STA. 144+00

139+00

+50

140+00

157.1R

141+00

58R

142+00

143+00

144

STA. 139+80 NB, 31.0'RT

STA. 141+72 NB, 3.3'LT

STA. 141+10 NB, 7.1'LT

STA. 141+13 NB, 6.2'RT

50+00 G

GREENWAY BLVD

51+00 G

MATCHLINE STA. 51+00 G

NOTES:

SEE "DETOUR ROUTE - BLACKHAWK ROAD (WEST)(STAGE 2)"
FOR DETOUR SIGNAGE

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2A	SHEET 343	E

2

N

GOLF COURSE ENTRANCE

SPEED LIMIT 35
R2-1
24" X 30"

ROAD CLOSED 500 FT
W20-3D

ROAD CLOSED
R11-2
48" X 30"

4W

4DY

11'

11'

PLEASANT VIEW ROAD

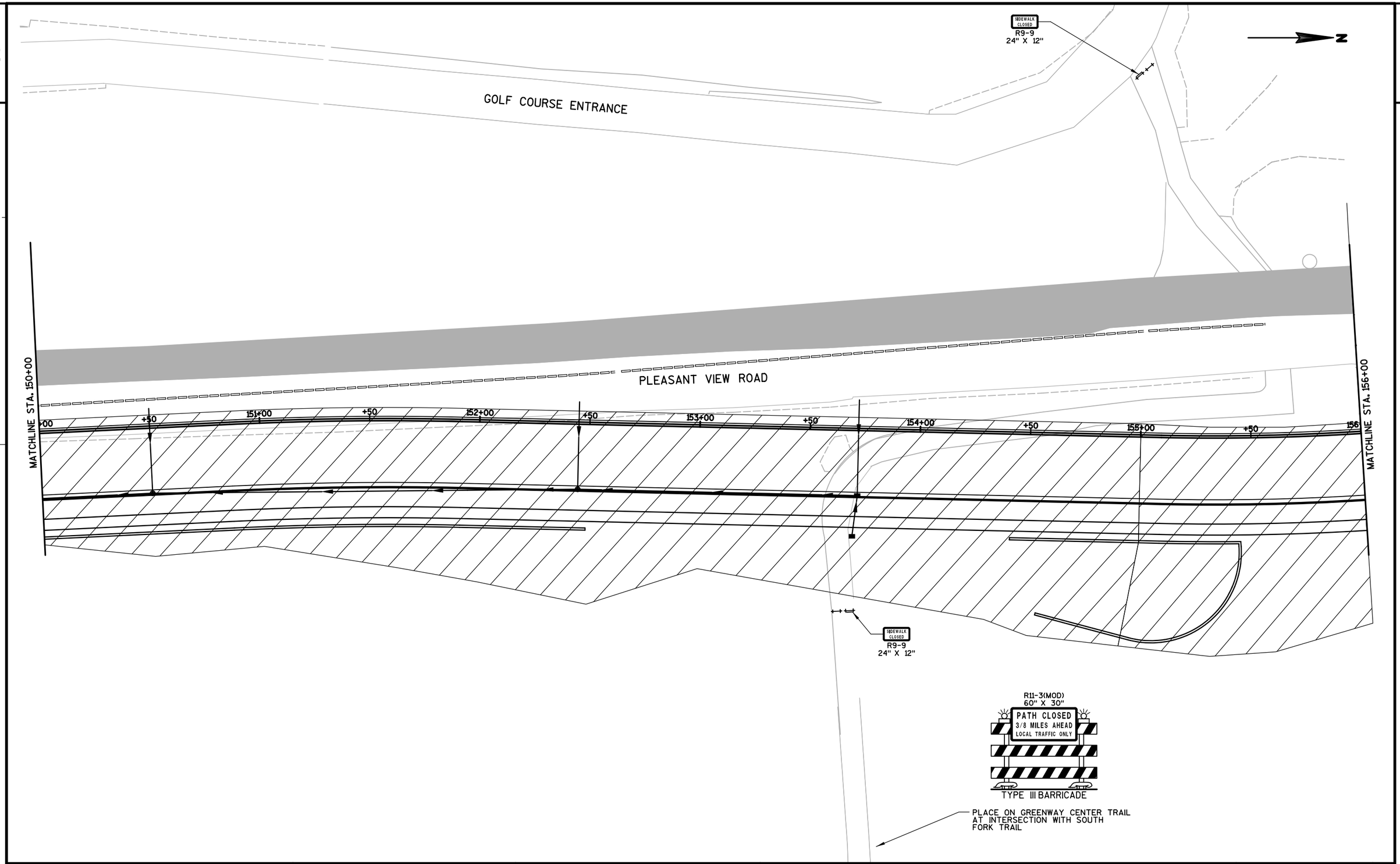
SEE STAGE 2 MATCHLINE STA. 144+00

MATCHLINE STA. 150+00

144+00 +50 145+00 +50 146+00 +50 147+00 +50 148+00 +50 149+00 +50 150

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2A	SHEET 344	E

2



2

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026209_s2A.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2

N

PLEASANT VIEW ROAD

MATCHLINE STA. 156+00

MATCHLINE STA. 162+00

+00 +50 157+00 +50 158+00 +50 159+00 +50 160+00 +50 161+00 +50 162

11'

11'

SIDEWALK CLOSED
R9-9
24" X 12"
MOUNT ON
BARRICADE
TYPE II

ROAD CLOSED
R11-2
48" X 30"

W01-6
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

RT-4DY

RT-4W

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2A	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026210_s2A.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



2

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2A	SHEET 347	E

2

N

W06-3

DO NOT PASS
R4-1
24" X 30"

W01-2L

STA. 173+03 NB, 123.6'LT

116'R

MATCHLINE STA. 168+00

168+00

+50

169+00

+50

170+00

+50

38'R

171+00

+50

172+00

+50

173+00

+50

174+00

MATCHLINE STA. 174+00

PLEASANT VIEW ROAD

25' TYP.

STA. 171+02 NB, 43.9'LT

STA. 170+85 NB, 10.2'LT

ROAD CLOSED
1000 FT
W20-3C

W01-4R

ROAD CLOSED
0.1 MILES AHEAD
LOCAL TRAFFIC ONLY
R11-3
60" X 30"

STA. 171+20 NB, 25.4'LT

58'R

STA. 172+56 NB, 18.7'LT

STA. 172+48 NB, 38.9'RT

STA. 172+41 NB, 18.8'LT

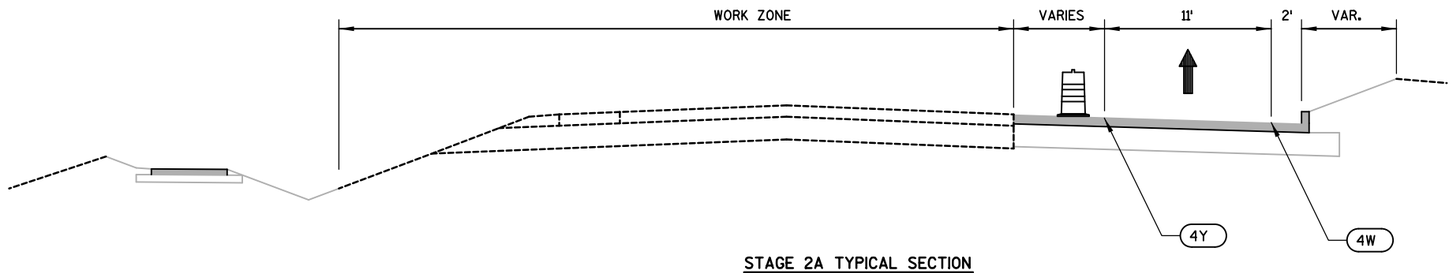
QUARRY ROAD

0+00

0+50

MATCHLINE STA. 50+50 Q

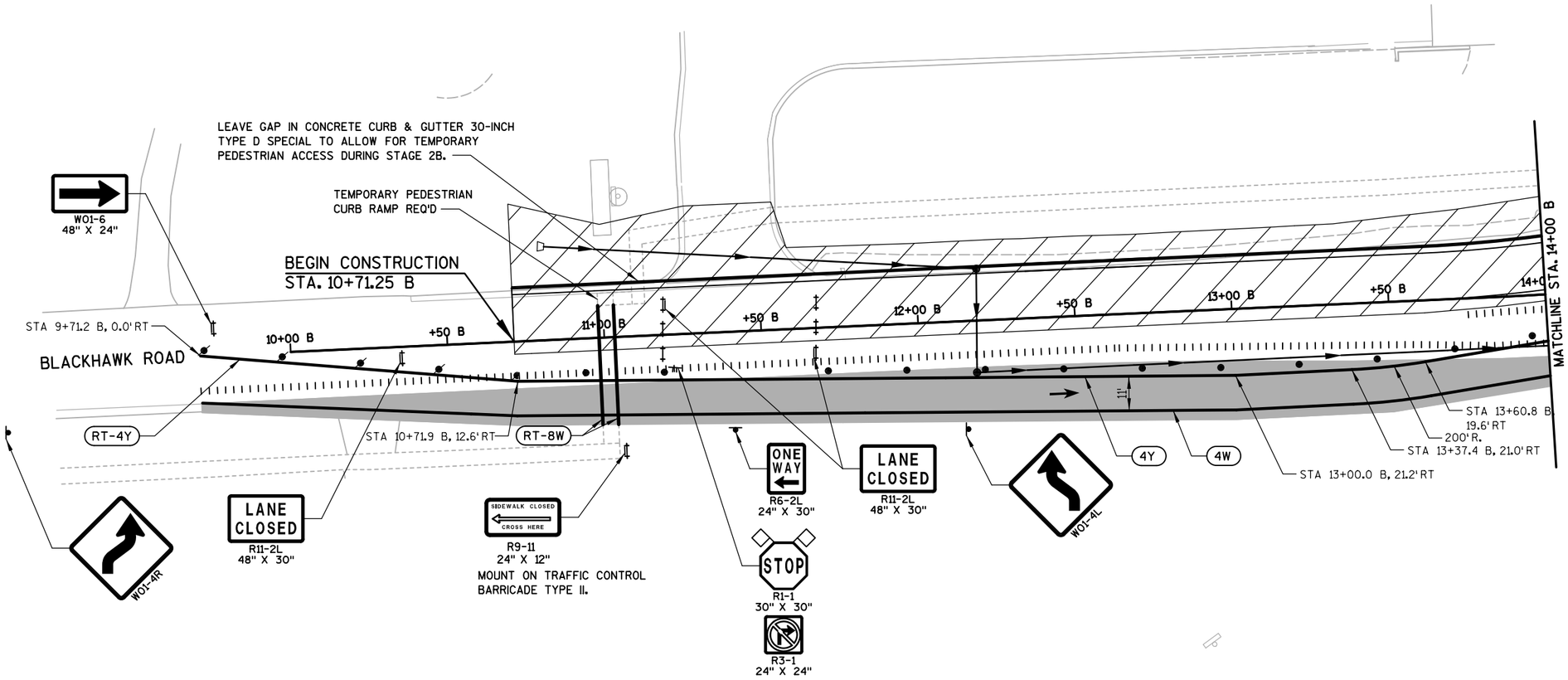
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2A	SHEET 348	E



STAGE 2A TYPICAL SECTION



2



NOTES:

SEE "DETOUR ROUTE - GREENWAY BLVD (STAGE 2)" FOR DETOUR SIGNAGE

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2A	SHEET 349	E

MAINTAIN TEMPORARY PEDESTRAIN FACILITIES AND CROSSING ON NORTH SIDE OF BLACKHAWK ROAD UNTIL PROPOSED SIDEWALK ON SOUTH SIDE OF BLACKHAWK ROAD IS COMPLETE AND OPEN TO PEDESTRIANS. RELOCATE TEMPORARY PEDESTRIAN CROSSING TO SOUTH SIDE OF INTERSECTION WHEN OPENING PROPOSED SIDEWALK ON SOUTH SIDE OF BLACKHAWK ROAD. CONSTRUCT PROPOSED SIDEWALK ON NORTH SIDE OF BLACKHAWK ROAD AFTER PEDETRIAN TRAFFIC IS SWITCHED TO NEW SIDEWALK ON THE SOUTH SIDE OF BLACKHAWK ROAD.

N

MATCHLINE STA. 14+00 B

RT-4W

TEMPORARY PEDESTRIAN SURFACE ASPHALT AND TEMPORARY PEDESTRIAN CURB RAMP REQ'D

BLACKHAWK ROAD

STA. 14+55.8 B, 23.7' LT

RT-4Y

311' R.

WRONG WAY
R5-1A
42" X 30"

DO NOT ENTER
R5-1
36" X 36"

ROAD CLOSED
R11-2
48" X 30"

ROAD CLOSED
0.4 MILES AHEAD
LOCAL TRAFFIC ONLY
R11-3
60" X 30"

R3-1
24" X 24"

LANE CLOSED
R11-2L
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

SPEED LIMIT 35
R2-1
24" X 30"

LANE CLOSED
R11-2L
48" X 30"

4DY

STA. 15+68.2B, 41.9' LT

50' R.

10' R.

STA. 128+61, 50.1' LT

STA. 128+10, 37.7' LT

STA. 129+02.7, 47.6' LT

RT-8W

STA. 129+36.4 35.7' LT

40' R.

4W

PLEASANT VIEW ROAD

STA. 128+06.7 11.1' LT

MATCHLINE STA. 126+00

MATCHLINE STA. 132+00

25' TYP.

CC

16+00 B

+50 B

RT-8W

RT-SL-18

ROAD CLOSED AHEAD
W20-3A

W01-4L

R3-2
24" X 24"

MOUNT ON BARRICADE TYPE II
SIDEWALK CLOSED
R9-9
24" X 12"

17+00 B

BLACKHAWK ROAD

MATCHLINE STA. 17+50 B

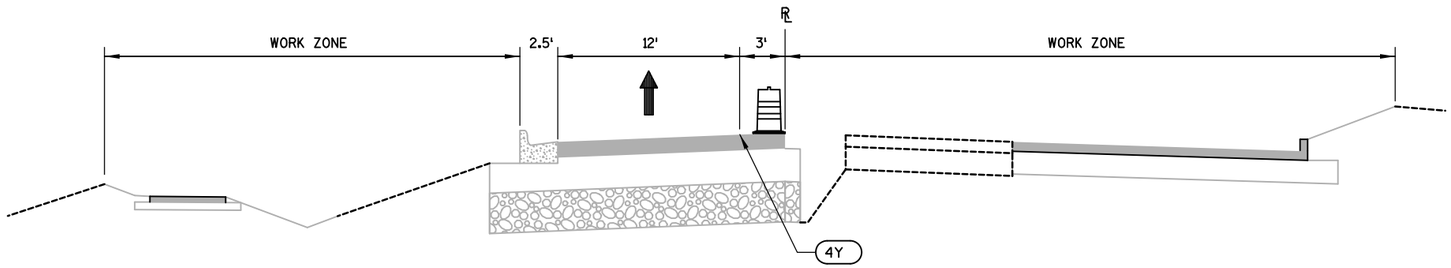
ROAD CLOSED
0.4 MILES AHEAD
LOCAL TRAFFIC ONLY
R11-3
60" X 30"

NOTES:

SEE "DETOUR ROUTE - BLACKHAWK ROAD (WEST) (STAGE 2)" FOR DETOUR SIGNAGE

SEE "DETOUR ROUTE - GREENWAY BLVD (STAGE 2)" FOR DETOUR SIGNAGE

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2B	SHEET 350	E



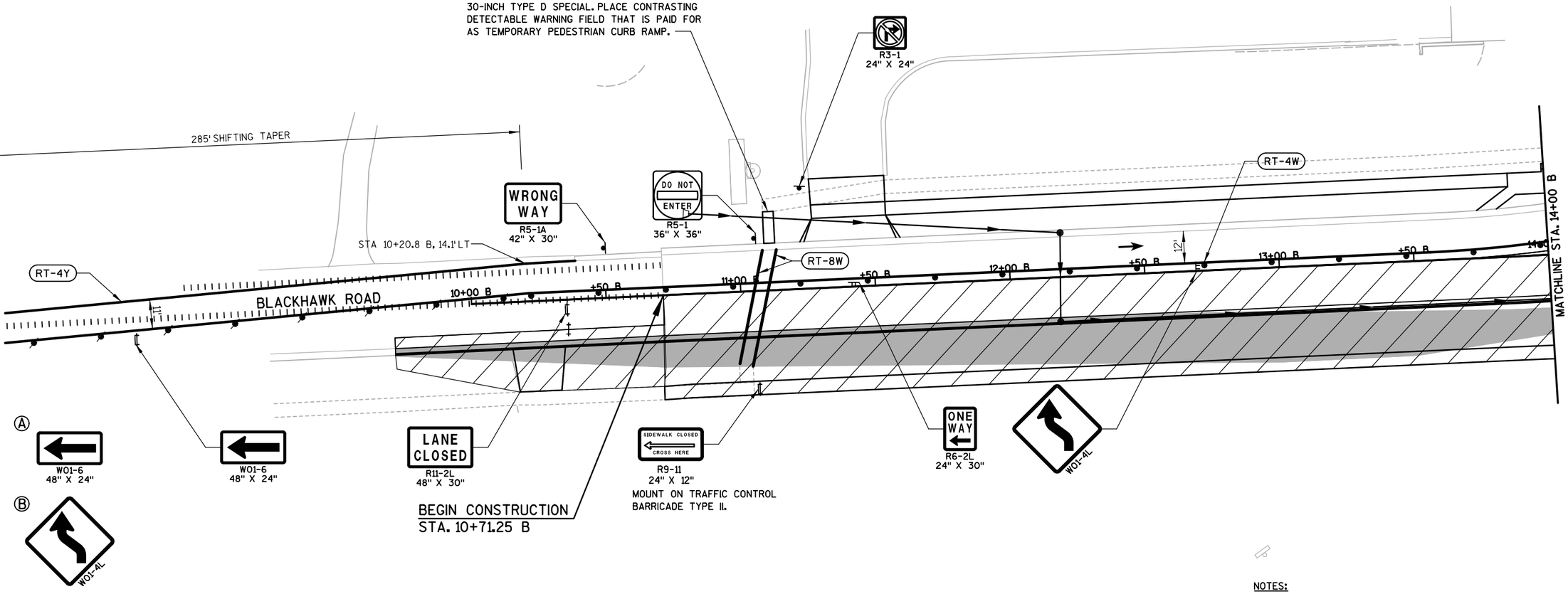
STAGE 2B TYPICAL SECTION

MAINTAIN TEMPORARY PEDESTRAIN FACILITIES ON NORTH SIDE OF BLACKHAWK ROAD UNTIL PROPOSED SIDEWALK ON SOUTH SIDE OF BLACKHAWK ROAD IS COMPLETE AND OPEN TO PEDESTRIANS. CONSTRUCT PROPOSED SIDEWALK ON NORTH SIDE OF BLACKHAWK ROAD AFTER PEDETRIAN TRAFFIC IS SWITCHED TO NEW SIDEWALK ON THE SOUTH SIDE OF BLACKHAWK ROAD.

N

2

TEMPORARY PEDESTRIAN SURFACE ASPHALT REQ'D TO MATCH GAP IN CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL. PLACE CONTRASTING DETECTABLE WARNING FIELD THAT IS PAID FOR AS TEMPORARY PEDESTRIAN CURB RAMP.



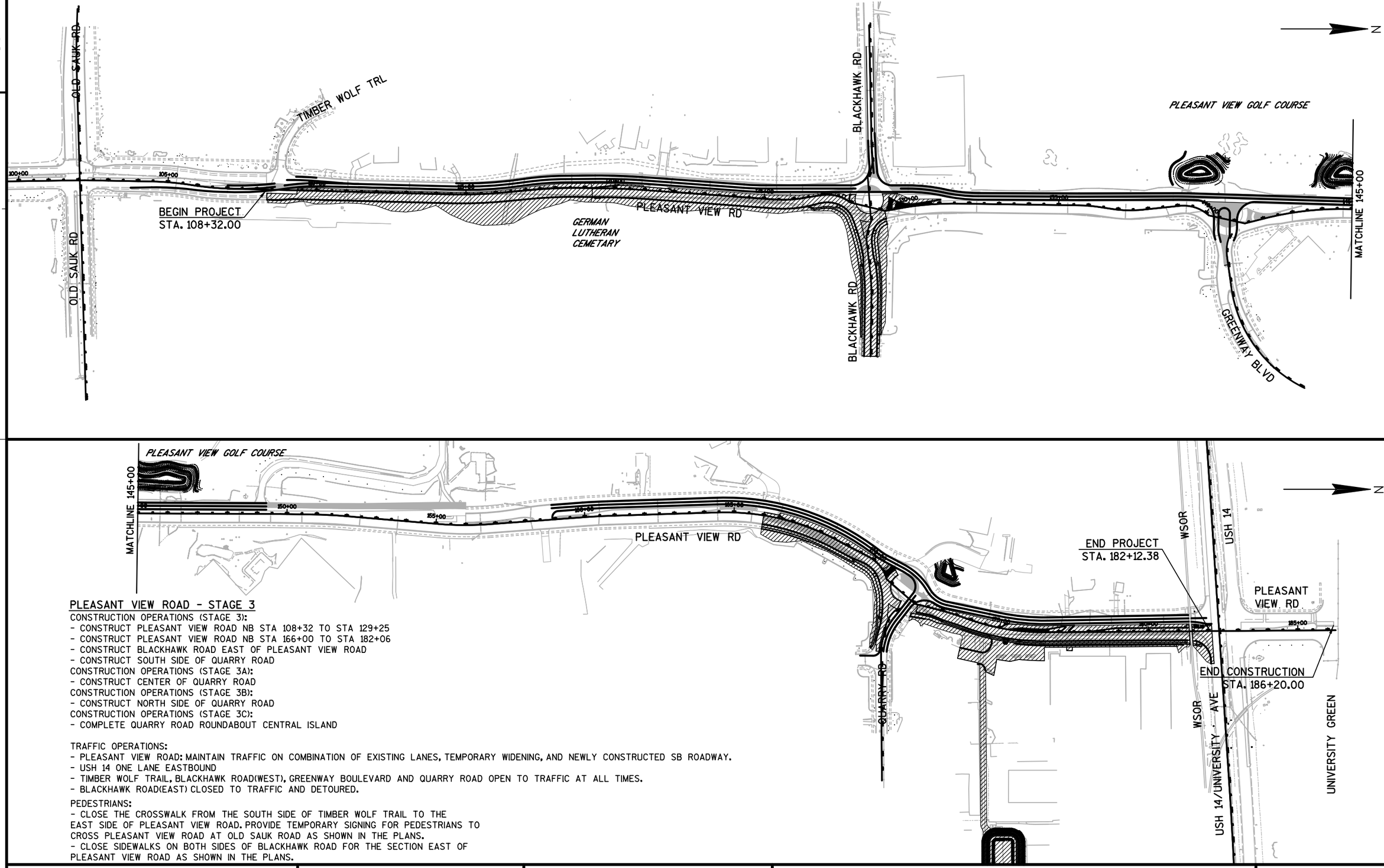
NOTES:

SEE "DETOUR ROUTE - GREENWAY BLVD (STAGE 2)" FOR DETOUR SIGNAGE

Ⓐ PLACE SIGN ON TYPE III BARICADE AT START OF TAPER

Ⓑ PLACE SIGN ON PERMANENT SUPPORT 200' BEFORE START OF TAPER

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2B	SHEET 351	E



PLEASANT VIEW ROAD - STAGE 3

CONSTRUCTION OPERATIONS (STAGE 3):
- CONSTRUCT PLEASANT VIEW ROAD NB STA 108+32 TO STA 129+25
- CONSTRUCT PLEASANT VIEW ROAD NB STA 166+00 TO STA 182+06
- CONSTRUCT BLACKHAWK ROAD EAST OF PLEASANT VIEW ROAD
- CONSTRUCT SOUTH SIDE OF QUARRY ROAD

CONSTRUCTION OPERATIONS (STAGE 3A):
- CONSTRUCT CENTER OF QUARRY ROAD

CONSTRUCTION OPERATIONS (STAGE 3B):
- CONSTRUCT NORTH SIDE OF QUARRY ROAD

CONSTRUCTION OPERATIONS (STAGE 3C):
- COMPLETE QUARRY ROAD ROUNDABOUT CENTRAL ISLAND

TRAFFIC OPERATIONS:
- PLEASANT VIEW ROAD: MAINTAIN TRAFFIC ON COMBINATION OF EXISTING LANES, TEMPORARY WIDENING, AND NEWLY CONSTRUCTED SB ROADWAY.
- USH 14 ONE LANE EASTBOUND
- TIMBER WOLF TRAIL, BLACKHAWK ROAD(WEST), GREENWAY BOULEVARD AND QUARRY ROAD OPEN TO TRAFFIC AT ALL TIMES.
- BLACKHAWK ROAD(EAST) CLOSED TO TRAFFIC AND DETOURED.

PEDESTRIANS:
- CLOSE THE CROSSWALK FROM THE SOUTH SIDE OF TIMBER WOLF TRAIL TO THE EAST SIDE OF PLEASANT VIEW ROAD. PROVIDE TEMPORARY SIGNING FOR PEDESTRIANS TO CROSS PLEASANT VIEW ROAD AT OLD SAUK ROAD AS SHOWN IN THE PLANS.
- CLOSE SIDEWALKS ON BOTH SIDES OF BLACKHAWK ROAD FOR THE SECTION EAST OF PLEASANT VIEW ROAD AS SHOWN IN THE PLANS.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 OVERVIEW	SHEET 352	E

2

N

OLD SAUK ROAD

PLEASANT VIEW ROAD

+50 97+00 +50 98+00 +50 99+00 +50 100+00 +50 101+00 +50 102

MATCHLINE STA. 102+00

PLEASANT VIEW ROAD

RIGHT LANE CLOSED AHEAD W20-5A

ROAD WORK 500 FT W20-1D

W04-2R

ROAD WORK 250 FT W20-1H

OLD SAUK ROAD

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026300_s3.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

2

N

OLD SAUK ROAD

MATCHLINE STA. 102+00

MATCHLINE STA. 108+00

PLEASANT VIEW ROAD

END ROAD WORK
G20-2A
48" X 24"

ONLY ONLY
R3-8E
36" X 30"

RT-8W

4Y

RT-4W

STA 103+75, 22.0' RT

25' TYP.

STA 107+00, 11.0' RT

11'

11'

1,007' R.

W01-6
48" X 24"

W01-4L

BEGIN LEFT TURN LANE
R3-20L
24" X 36"

MOUNT ON TYPE II BARRICADE

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
24" X 12"

325' MERGING TAPER

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET 354	E

2

N

TIMBER WOLF TRAIL

W01-6
48" X 24"

SIDEWALK CLOSED
R9-9
24" X 12"

STA 109+23.3, 34.6'LT

STA 109+29.5, 45.7'LT

STA 109+97.7, 44.3'LT

4Y

RT-4W

BEGIN PROJECT
STA. 108+32.00

STA 108+99.0, 34.2'LT

STA 108+59.6, 10.3'LT

25' TYP.

11'

RT-4Y

STA 109+97.1, 33.3'LT

STA 108+92.0, 15.5'LT

1,000' R.

740' R.

STA 110+21.8, 27.0'LT

PLEASANT VIEW ROAD

RT-4DY

W06-1

W01-4L

W06-3

DO NOT PASS
R4-1
24" X 30"

11'

1,007' R.

RT-8W

MATCHLINE STA. 108+00

MATCHLINE STA. 114+00

108+00 +50 109+00 +50 110+00 +50 111+00 +50 112+00 +50 113+00 +50 114

RT-4W

SIDEWALK CLOSED
R9-9
24" X 12"

W01-6
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

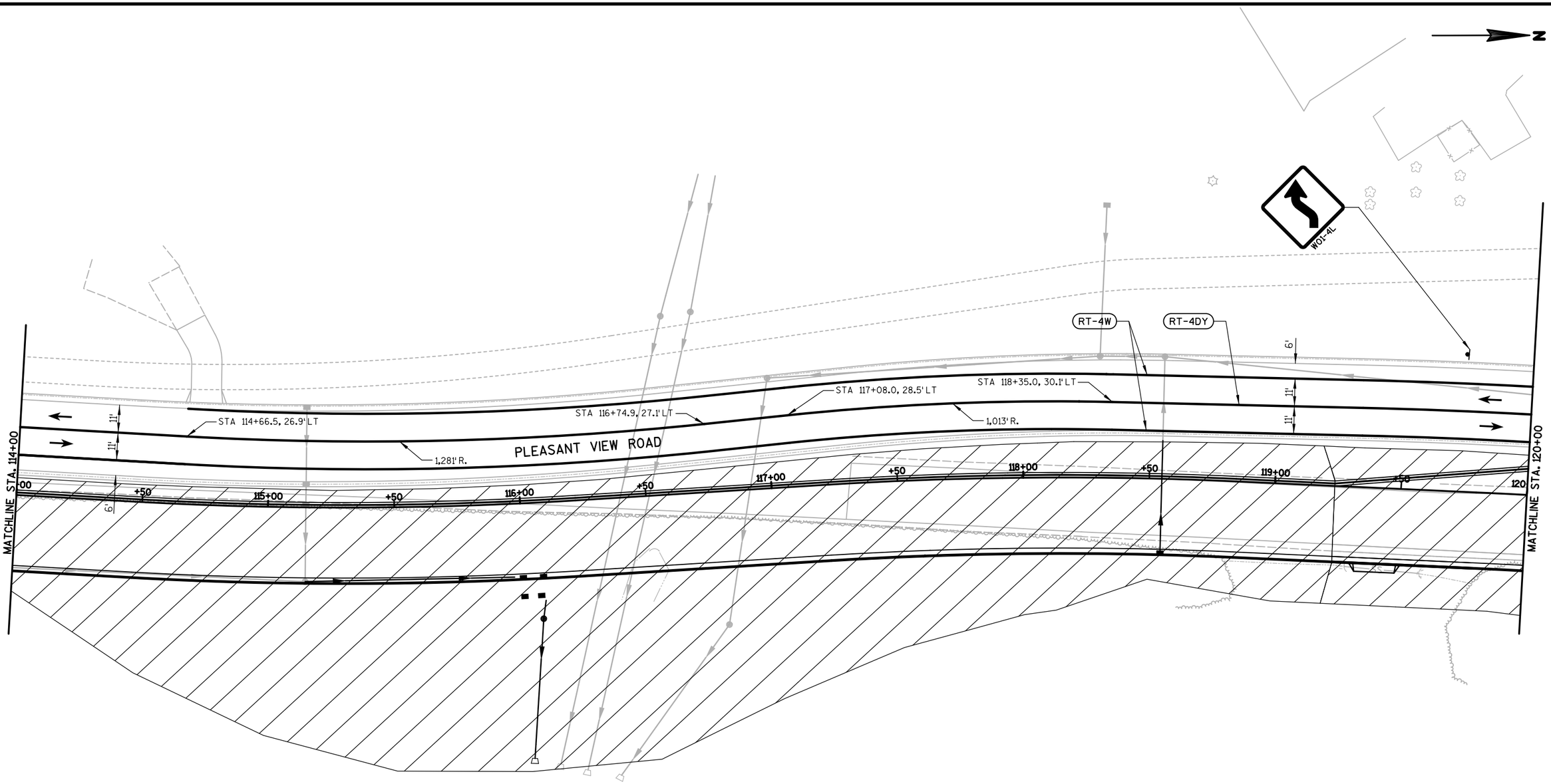
W06-2

W06-3

NEXT 1 MILE
W057-51
48" X 24"

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET 355	E

2



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET 356	E

2

N

STOP
R1-1
30" X 30"

W01-7
48" X 24"

RT-4W

RT-4DY

6"

11"

11"

STA 124+30.3, 32.0' LT

STA 125+04.5, 34.7' LT

1,011' R.

25' TYP.

PLEASANT VIEW ROAD

MATCHLINE STA. 120+00

MATCHLINE STA. 126+00

+00

+50

121+00

+50

122+00

+50

123+00

+50

124+00

+50

125+00

+50

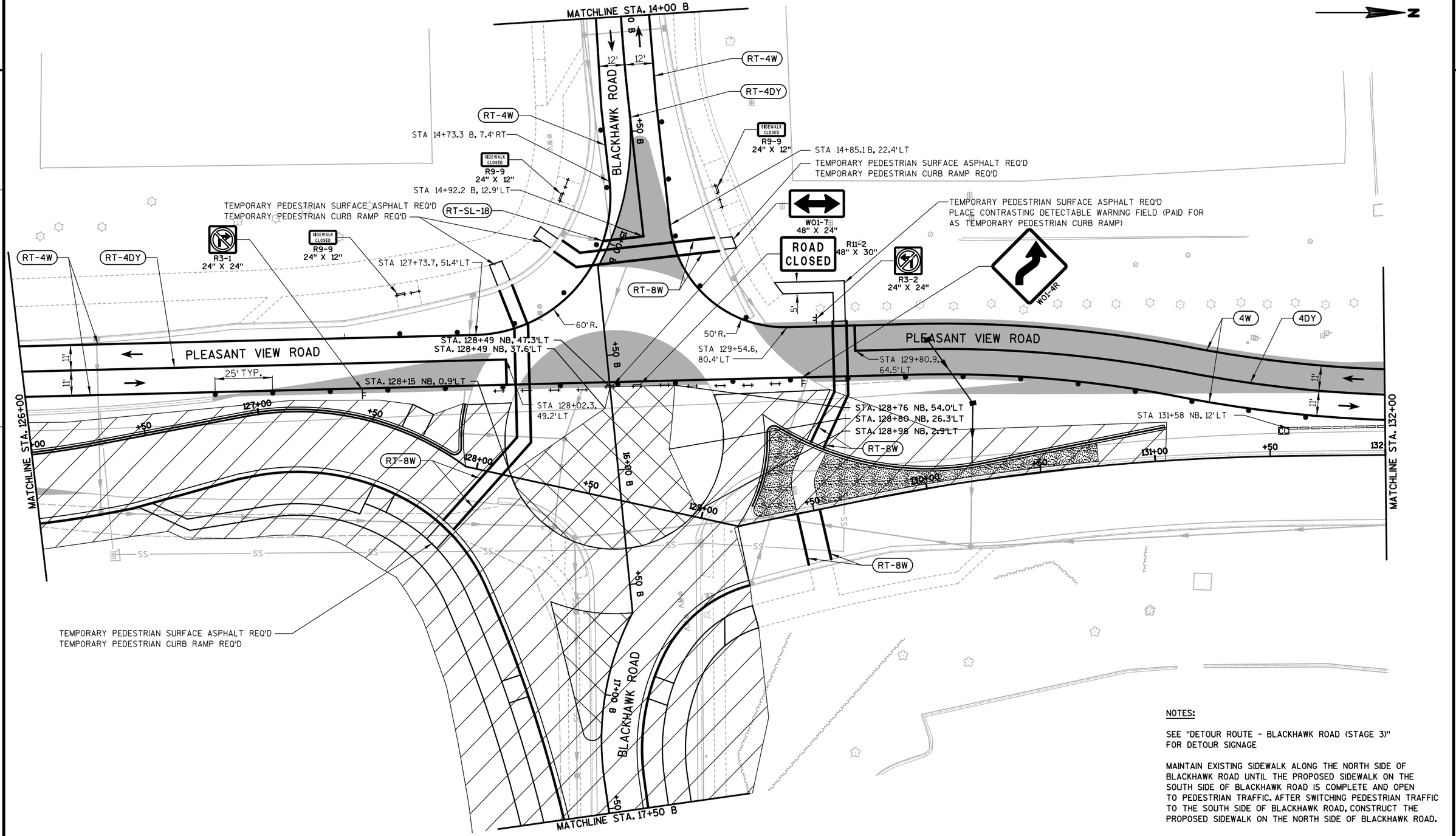
126

LANE CLOSED
R11-2L
48" X 30"

W06-3

DO NOT PASS
R4-1
24" X 30"

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET 357	E



NOTES:

SEE "DETOUR ROUTE - BLACKHAWK ROAD (STAGE 3)" FOR DETOUR SIGNAGE

MAINTAIN EXISTING SIDEWALK ALONG THE NORTH SIDE OF BLACKHAWK ROAD UNTIL THE PROPOSED SIDEWALK ON THE SOUTH SIDE OF BLACKHAWK ROAD IS COMPLETE AND OPEN TO PEDESTRIAN TRAFFIC. AFTER SWITCHING PEDESTRIAN TRAFFIC TO THE SOUTH SIDE OF BLACKHAWK ROAD, CONSTRUCT THE PROPOSED SIDEWALK ON THE NORTH SIDE OF BLACKHAWK ROAD.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET 358	E

2

N

W01-4R

W06-3

DO NOT PASS
R4-1
24" X 30"

ROAD CLOSED AHEAD
W20-3A

W06-3

DO NOT PASS
R4-1
24" X 30"

4W

4DY

11'

11'

PLEASANT VIEW ROAD

MATCHLINE STA. 132+00

MATCHLINE STA. 138+00

+00

+50

133+00

+50

134+00

+50

135+00

+50

136+00

+50

137+00

+50

138

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026306_s3.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2

N

ROAD CLOSED 1000 FT
W20-5C

4W

STA 139+57.0, 25.1' LT

STOP
R1-1
30" X 30"

ROAD CLOSED
0.1 MILES AHEAD
LOCAL TRAFFIC ONLY
R11-3
60" X 30"

4W

4DY

PLEASANT VIEW ROAD

11'

11'

PLEASANT VIEW ROAD

MATCHLINE STA. 138+00

MATCHLINE STA. 144+00

RT-SL-18

60' R.

STA 140+43.2, 13.0' LT

STA 140+80.5, 20.9' LT

60' R.

STA 141+88.7, 61.0' LT

25' TYP.

CO

CO

138+00

+50

139+00

+50

140+00

+50

141+00

+50

142+00

+50

143+00

+50

144

19' R.

STA 140+31.7, 5.1' RT

RT-4W

15'

STA 141+08.0, 6.7' LT

RT-4W

RT-4Y

100' R.

LANE CLOSED
R11-2L
48" X 30"

STA 50+03.9 G, 56.1' RT

100' R.

STA 141+13.4, 18.6' RT

LANE CLOSED
R11-2L
48" X 30"

SIDEWALK CLOSED
R9-9
24" X 12"

SIDEWALK CLOSED
R9-9
24" X 12"

STA 50+24.4 G, 42.0' RT

STA 50+11.3 G, 18.4' LT

50+00 G

GREENWAY BLVD

50+50 G

51+00

MATCHLINE STA. 51+00 G

NOTES:

SEE "DETOUR ROUTE - BLACKHAWK ROAD (STAGE 3)" FOR DETOUR SIGNAGE

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET 360	E

2

N

GOLF COURSE ENTRANCE

SPEED LIMIT 35
R2-1
24" X 30"

ROAD CLOSED 500 FT
W20-3D

W06-3

DO NOT PASS
R4-1
24" X 30"

4W

4DY

R3-2
24" X 24"

ROAD CLOSED
R11-2
48" X 30"

11'

11'

PLEASANT VIEW ROAD

MATCHLINE STA. 144+00

+00 +50 145+00 +50 146+00 +50 147+00 +50 148+00 +50 149+00 +50 150

MATCHLINE STA. 150+00

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026308_s3.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

GOLF COURSE ENTRANCE

SIDEWALK CLOSED
R9-9
24" X 12"

N

MATCHLINE STA. 150+00

150+00 +50 151+00 +50 152+00 +50 153+00 +50 154+00 +50 155+00 +50 156

MATCHLINE STA. 156+00

PLEASANT VIEW ROAD

SIDEWALK CLOSED
R9-9
24" X 12"

WELL

R11-3(MOD)
60" X 30"
PATH CLOSED
3/8 MILES AHEAD
LOCAL TRAFFIC ONLY
TYPE III BARRICADE

PLACE ON GREENWAY CENTER TRAIL AT INTERSECTION WITH SOUTH FORK TRAIL

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026309_s3.dgn PLOT DATE : 4/23/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N

ROAD CLOSED
R11-2
48" X 30"

MOUNT ON BARRICADE TYPE II
SIDEWALK CLOSED
R9-9
24" X 12"

W01-6
48" X 24"

RT-4W

RT-4DY

PLEASANT VIEW ROAD

25' TYP.

20' R.

11'

11'

6'

MATCHLINE STA. 156+00

+00

+50

157+00

+50

158+00

+50

159+00

+50

160+00

+50

161+00

+50

162

MATCHLINE STA. 162+00

ROAD CLOSED
R11-2
48" X 30"

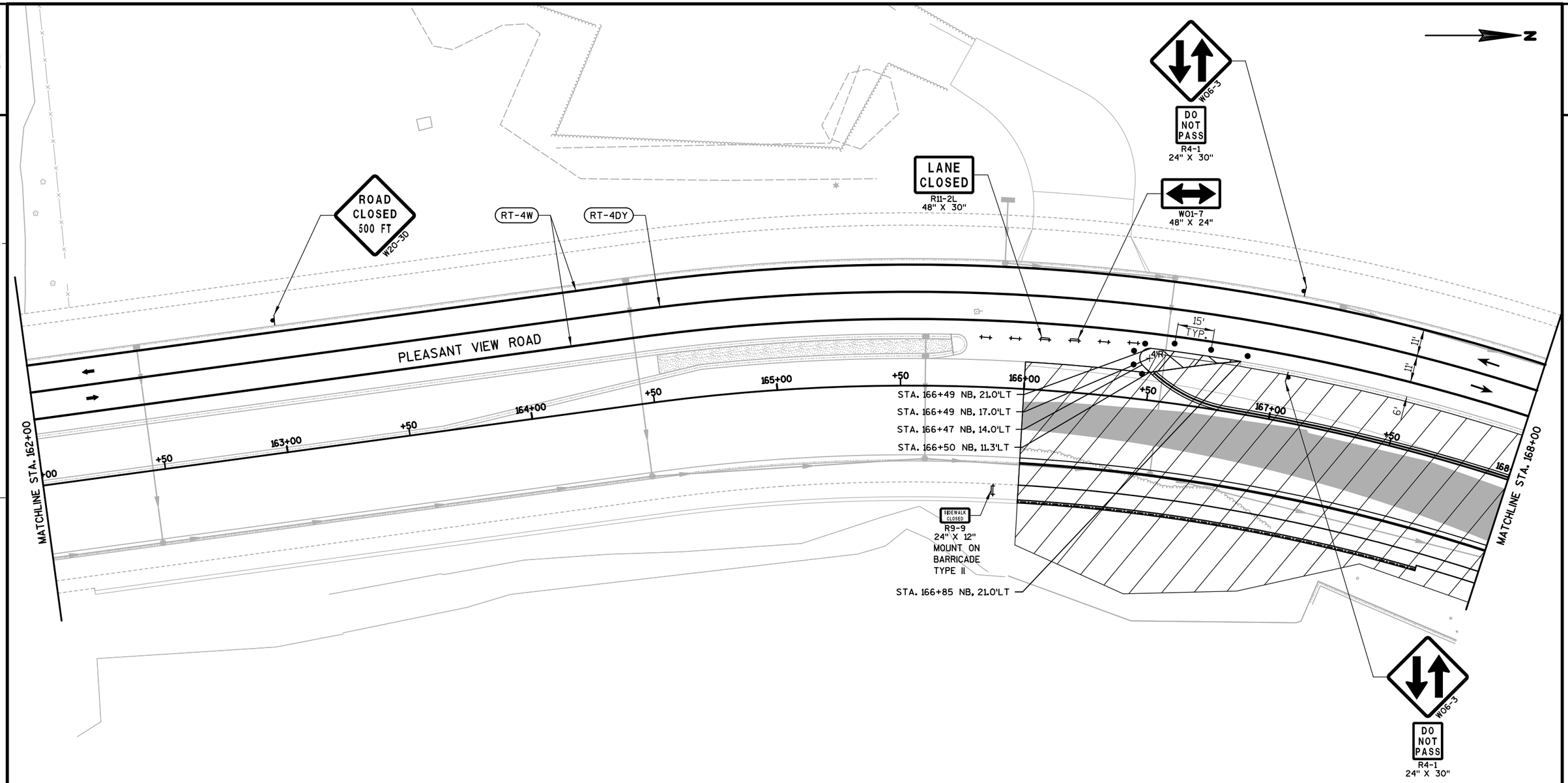
SIDEWALK CLOSED
R9-9
24" X 12"
MOUNT ON BARRICADE TYPE II

R3-2
24" X 24"

LANE CLOSED
R11-2L
48" X 30"

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026310_s3.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET 364	E

2

N

ROAD CLOSED 1000 FT
W20-3C

RT-4W

RT-4DY

W01-4R

SIDEWALK CLOSED
R9-9
24" X 12"

ROAD CLOSED
1/4 MILE AHEAD
LOCAL TRAFFIC ONLY
R11-3
60" X 30"

LANE CLOSED
R11-2L
48" X 30"

STA 170+97.3,
65.4' LT

W01-7
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

STA 172+33.5,
52.8' LT

SIDEWALK CLOSED
R9-9
24" X 12"

LANE CLOSED
R11-2L
48" X 30"

RT-4W

STA 170+24.5,
31.7' LT

STA 169+97.5, 26.3' LT

11'

11'

PLEASANT VIEW ROAD

200' R.

200' R.

STA 173+09.2,
22.8' LT

11'

11'

MATCHLINE STA. 168+00

MATCHLINE STA. 174+00

STA 171+35.9,
59.4' LT

RT-SL-18

40' R.

101' R.

STA 172+68.3,
17.7' LT

STA 171+77.2,
21.5' LT

STA 172+01.2,
18.1' LT

60' R.

58' R.

STA. 171+46 NB, 9.0' RT

STA. 171+62 NB, 8.1' RT

STA. 171+47 NB, 28.9' RT

STA. 171+61 NB, 18.3' RT

STA. 171+62 NB, 25.0' RT

11'

11'

50+00 Q

QUARRY ROAD

25' TYP.

4DY

STA. 172+11 NB, 20.1' RT

STOP
R1-1
30" X 30"

4W

SIDEWALK CLOSED
R9-9
24" X 12"
MOUNT ON
BARRICADE
TYPE II

MATCHLINE STA. 50+50 Q

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET 365	E

2

N

W01-4R

LANE CLOSED
R11-2L
48" X 30"

RT-4W

RT-4DY

W06-3

DO NOT PASS
R4-1
24" X 30"

PLEASANT VIEW ROAD

11'

11'

25' TYP.

MATCHLINE STA. 174+00

175+00

+50

176+00

+50

177+00

+50

178+00

+50

179+00

+50

180+00

MATCHLINE STA. 180+00

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET 366	E

2

N

MATCHLINE STA. 98+50 U

MATCHLINE STA. 180+00

W01-4R

W06-3

DO NOT PASS
R4-1
24" X 30"

ROAD CLOSED AHEAD
W20-3A

RT-4W

RT-4DY

STA 181+93.9,
44.0'LT

RT-SL-18

LANE CLOSED
R11-2L
48" X 30"

11'

11'

6'

PLEASANT VIEW ROAD

00

+50

181+00

+50

182+00

99+00 U

100+00 U

+50

183+00

+50

184+00

+50

185+00

+50

186+00

ROAD WORK 250 FT
W20-1H

ROAD WORK 500 FT
W20-1D

PLEASANT VIEW ROAD

END PROJECT
STA. 182+12.38

END CONSTRUCTION
STA. 186+20.00

END ROAD WORK
G20-2A
48" X 24"

25' TYP.

+50

101+00 U

+50

102+

USH 14 (UNIVERSITY AVE.)

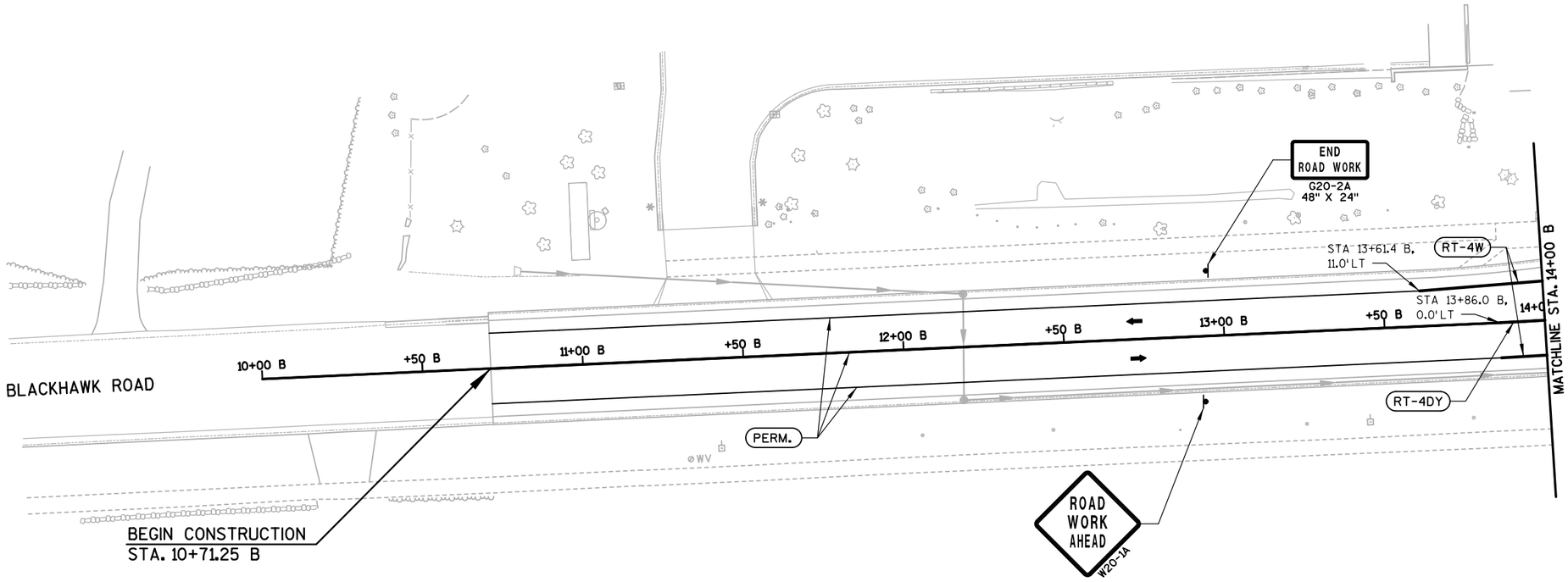
SS

NOTES:
PERFORM WORK ADJACENT TO USH 14 EASTBOUND ONLY WHILE THE USH 14 OUTSIDE EASTBOUND LANE IS CLOSED. THE USH 14 EASTBOUND LANE CLOSURE IS ONLY ALLOWED DURING OFF-PEAK TIMES AS DESCRIBED IN THE SPECIAL PROVISIONS. WHEN THE USH 14 OUTSIDE EASTBOUND LANE IS OPEN TO TRAFFIC, PLACE MATERIAL TO PROVIDE A MAXIMUM OF 3:1 SLOPE ADJACENT TO THE OPEN TRAVEL LANE.

PROJECT NO: 5310-02-75	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET 367	E

2

N



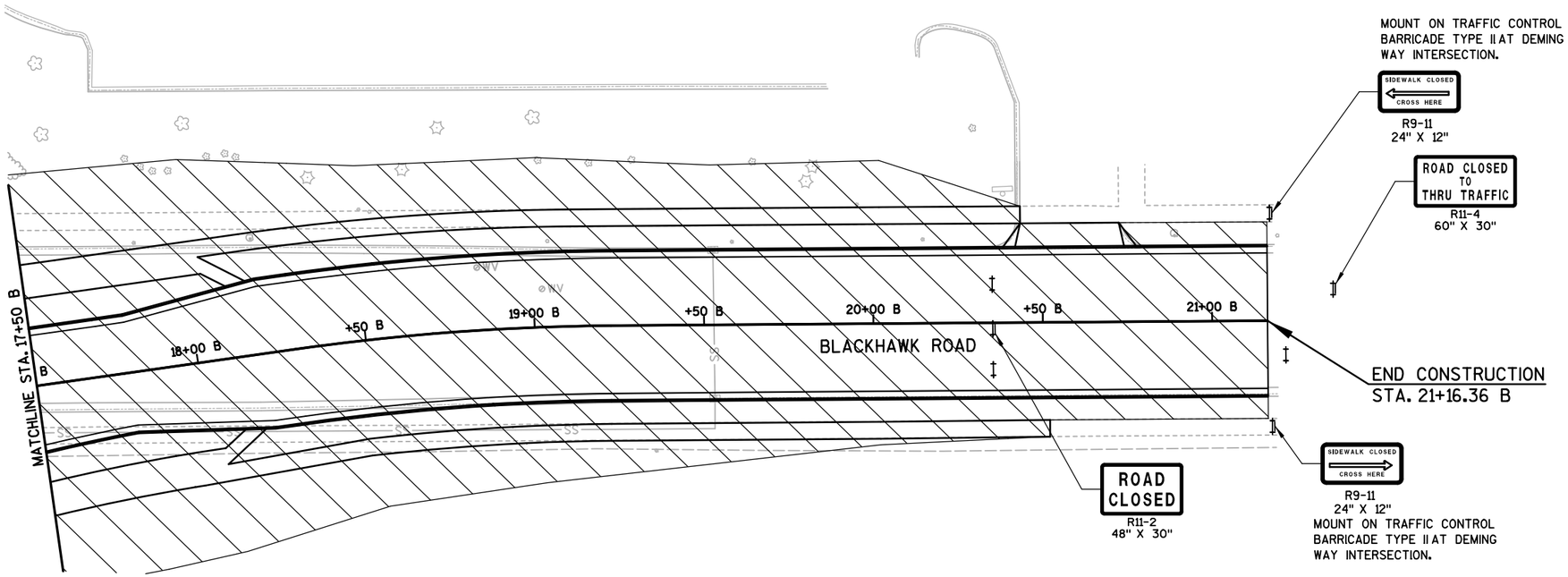
NOTES:

SEE "DETOUR ROUTE - BLACKHAWK ROAD (STAGE 3)"
FOR DETOUR SIGNAGE

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET 368	E

2

N



NOTES:

SEE "DETOUR ROUTE - BLACKHAWK ROAD (STAGE 3)" FOR DETOUR SIGNAGE

MAINTAIN EXISTING SIDEWALK ALONG THE NORTH SIDE OF BLACKHAWK ROAD UNTIL THE PROPOSED SIDEWALK ON THE SOUTH SIDE OF BLACKHAWK ROAD IS COMPLETE AND OPEN TO PEDESTRIAN TRAFFIC. AFTER SWITCHING PEDESTRIAN TRAFFIC TO THE SOUTH SIDE OF BLACKHAWK ROAD, CONSTRUCT THE PROPOSED SIDEWALK ON THE NORTH SIDE OF BLACKHAWK ROAD. PLACE SIDEWALK CLOSED SIGNS AS SHOWN FOR THE CLOSED SIDEWALK.

2

N

MOUNT ON TYPE II BARRICADE
AT GIALAMAS WAY

SIDEWALK CLOSED AHEAD
CROSS HERE

R9-11
24" X 12"

END CONSTRUCTION
STA. 53+38.19 G

ROAD WORK AHEAD
W20-1A

56+00 G
+50 G
55+00 G
+50 G
54+00 G
+50 G
53+00 G
+50 G
52+00 G
+50 G
51+00 G

GREENWAY BLVD

MATCHLINE STA. 51+00 G

MOUNT ON TYPE II BARRICADE
AT GIALAMAS WAY

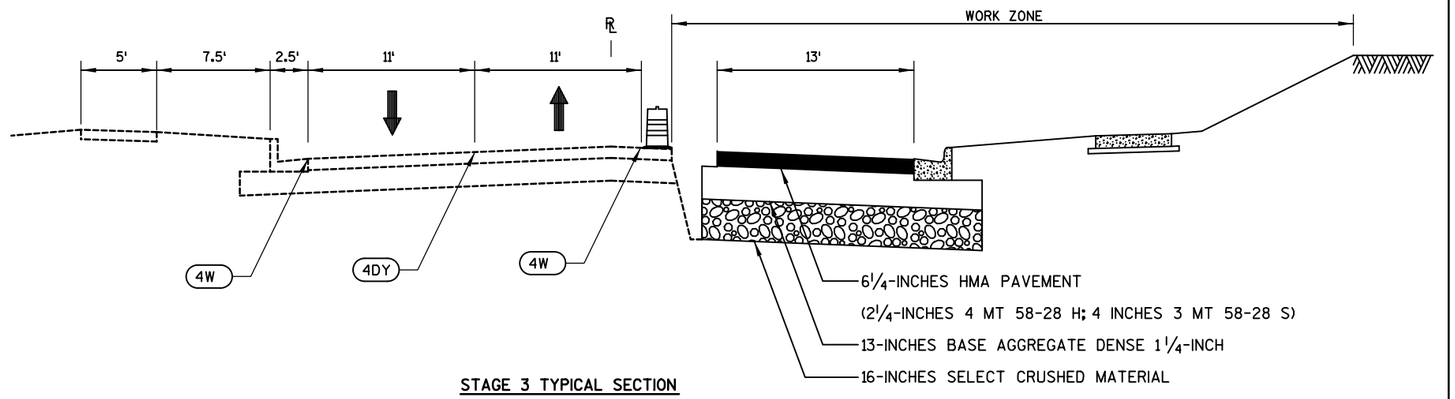
SIDEWALK CLOSED AHEAD
CROSS HERE

R9-11
24" X 12"

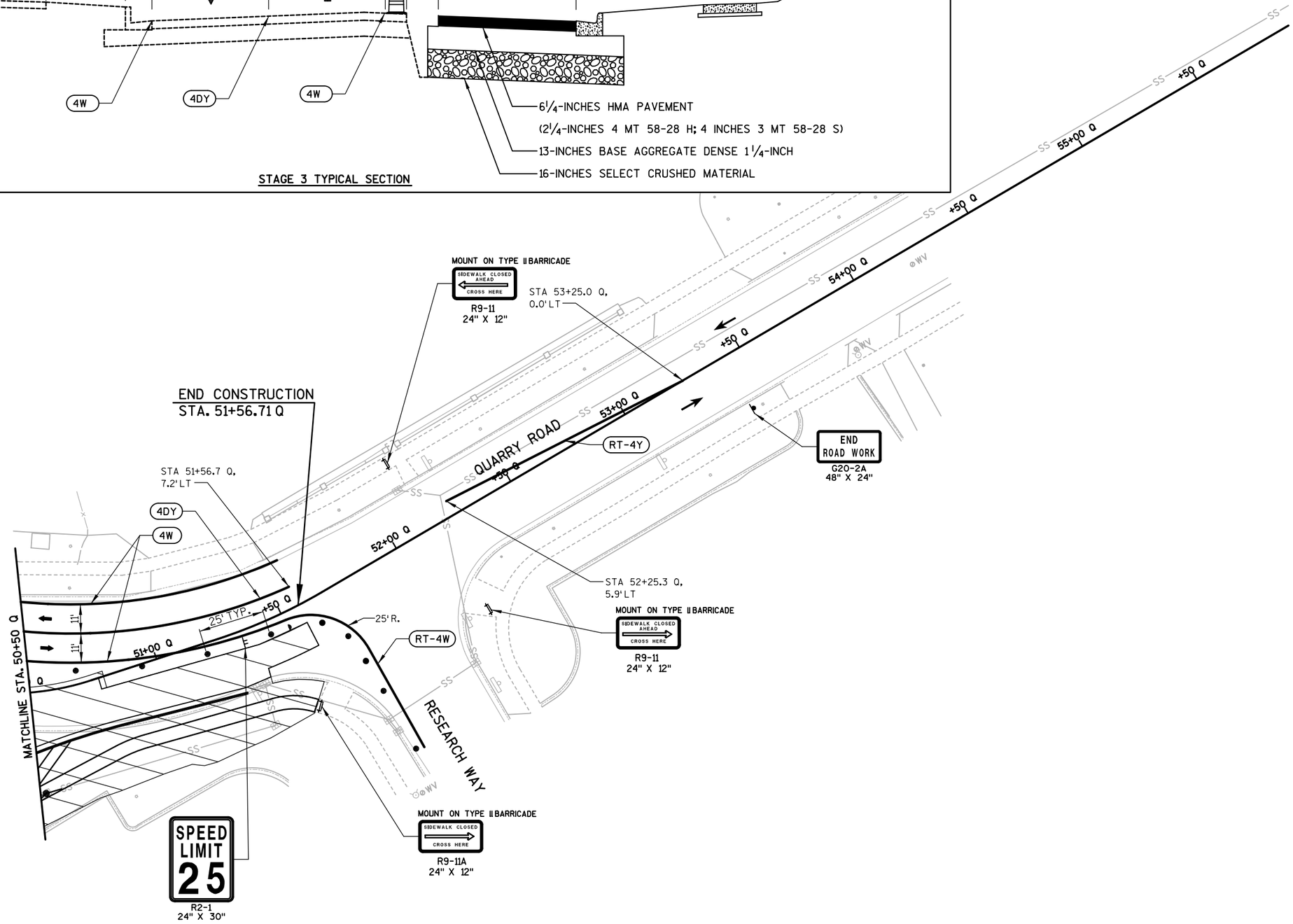
END
ROAD WORK

G20-2A
48" X 24"

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET 370	E



STAGE 3 TYPICAL SECTION



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET 371	E

2



PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026321_s3.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N

USH 14 (UNIVERSITY AVE.)

BEGIN CONSTRUCTION
STA. 94+13.11 U

MATCHLINE STA. 93+00 U

MATCHLINE STA. 98+50 U

0 U | +50 | 94+00 U | +50 | 95+00 U | +50 | 96+00 U | +50 | 97+00 U | +50 | 98+00 U

25' TYP.

BEGIN RIGHT TURN LANE

R3-20R
24" X 36"

LANE CLOSED

R11-2L
48" X 30"

SEE SDD "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT TURN LANE CLOSURE" FOR ADDITIONAL DETAILS

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026322_s3.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

ROAD CLOSED 1000 FT
W20-3C

RT-4W

RT-4DY

W01-4R

SIDEWALK CLOSED
R9-9
24" X 12"

ROAD CLOSED
1/4 MILE AHEAD
LOCAL TRAFFIC ONLY
R11-3
60" X 30"

STA 170+97.3,
65.4' LT

LANE CLOSED
R11-2L
48" X 30"

RT-4W

STA 172+33.5,
52.8' LT

SIDEWALK CLOSED
R9-9
24" X 12"

STA 170+24.5,
31.7' LT

STA 169+97.5, 26.3' LT

11'

11'

PLEASANT VIEW ROAD

6'

200' R.

200' R.

STA 173+09.2,
22.8' LT

11'

11'

101' R.

SEE STAGE 3
MATCHLINE STA. 168+00

SEE STAGE 3
MATCHLINE STA. 174+00

168+00

+50

169+00

+50

170+00

+50

171+00

+50

172+00

+50

173+00

+50

174+

STA 170+97.5,
54.2' LT

40' R.

STA 171+89.2,
2.0' LT

RT-SL-18

STA 171+87.1,
14.9' LT

STA. 171+73 NB, 7.6' RT

STA 171+46.2,
17.3' LT

STA 171+69.1,
17.7' LT

10' R.

60' R.

60' R.

STA 171+59.3,
18.4' RT

58' R.

QUARRY ROAD

50+00 Q

11'

11'

25' TYP.

QUARRY ROAD

STA. 172+20 NB, 25.9' RT

STOP
R1-1
30" X 30"

LANE CLOSED
R11-2L
48" X 30"

W01-6
48" X 24"

STA 50+28.3 Q,
6.3' RT

RT-4W

RT-4Y

SIDEWALK CLOSED
R9-9
24" X 12"
MOUNT ON
BARRICADE
TYPE II

106' R.

50+50 Q

MATCHLINE STA. 50+50 Q

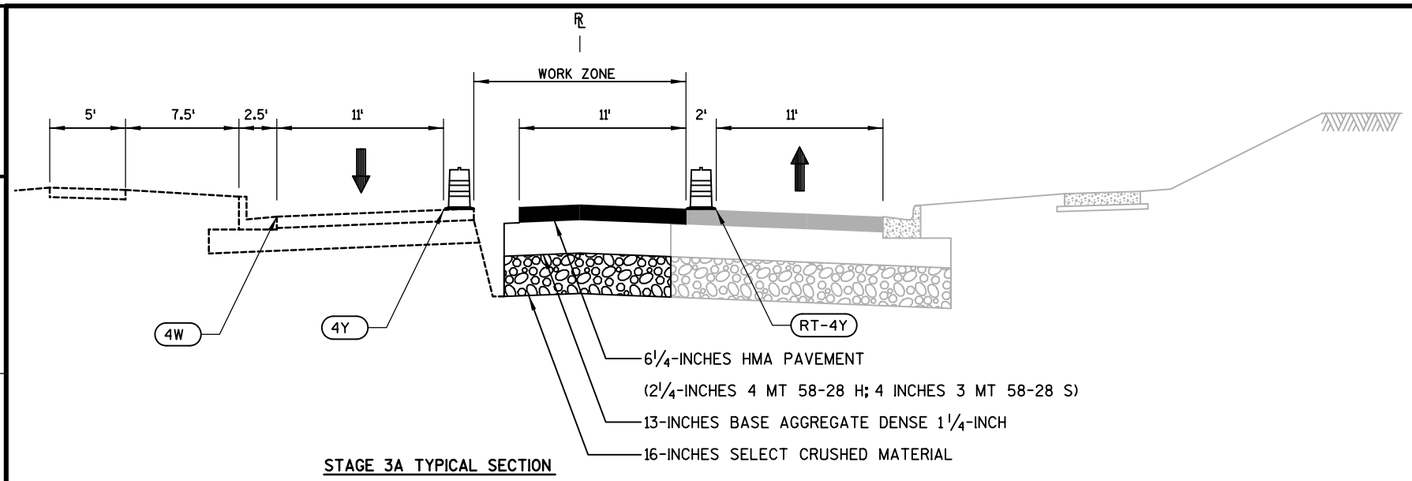
4W

4Y

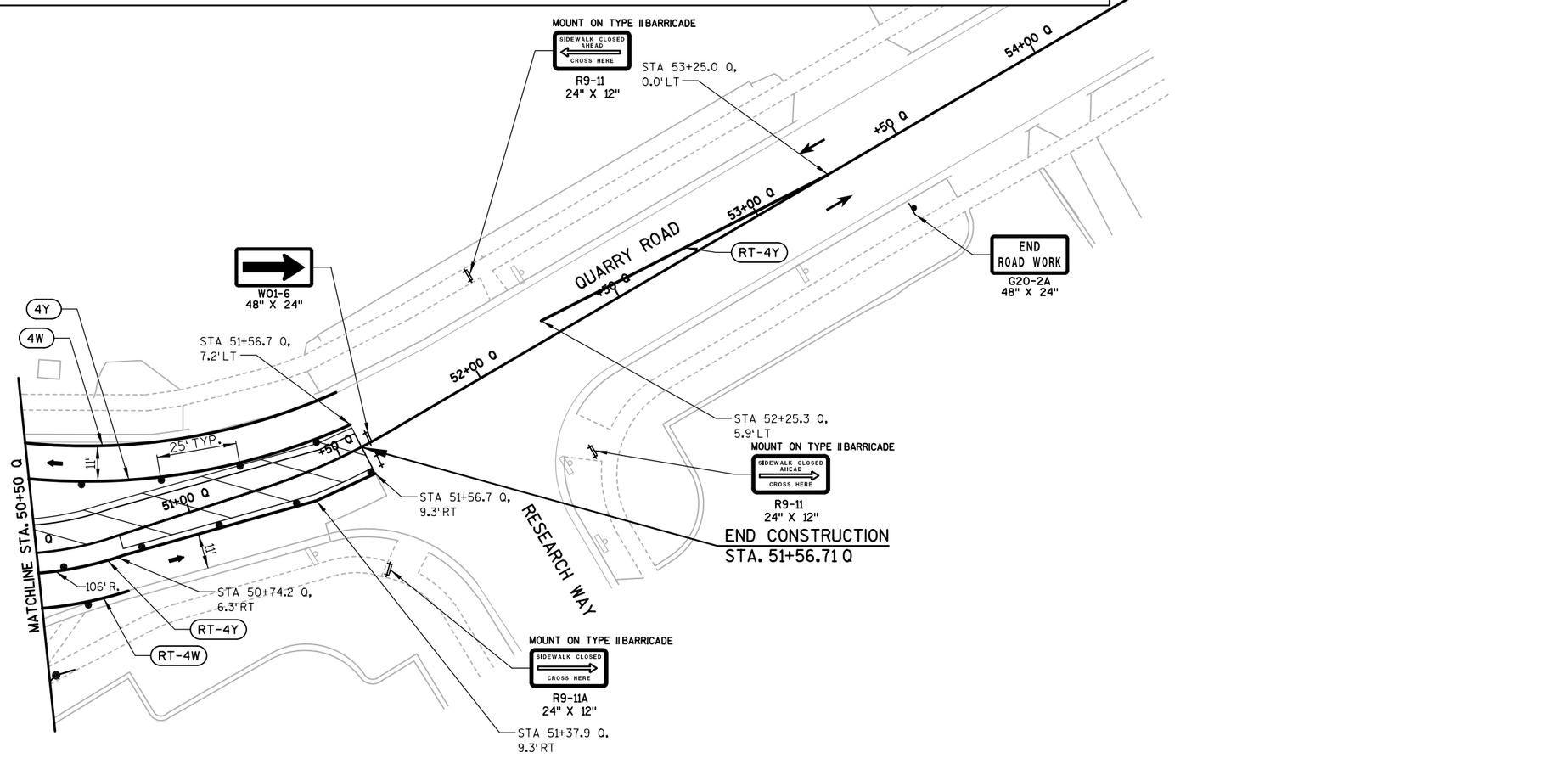
MOUNT ON
BARRICADE
TYPE II

SIDEWALK CLOSED
R9-9
24" X 12"

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3A	SHEET 374 E



STAGE 3A TYPICAL SECTION



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3A	SHEET 375	E

2

N

ROAD CLOSED 1000 FT
W20-3C

RT-4W

RT-4DY

W01-4R

SIDEWALK CLOSED
R9-9
24" X 12"

ROAD CLOSED
1/4 MILE AHEAD
LOCAL TRAFFIC ONLY
R11-3
60" X 30"

STA 170+97.3,
65.4'LT

LANE CLOSED
R11-2L
48" X 30"

RT-4W

STA 172+33.5,
52.8'LT

SIDEWALK CLOSED
R9-9
24" X 12"

STA 170+24.5,
31.7'LT

STA 169+97.5, 26.3'LT

11'

11'

PLEASANT VIEW ROAD

200'R.

STA 170+56.7,
41.9'LT

200'R.

STA 173+09.2,
22.8'LT

11'

11'

MATCHLINE STA. 168+00

MATCHLINE STA. 174+00

STA 172+37.9, 34.2'LT

101'R.

40'R.

STA 171+35.6,
12.8'LT

STA 171+24.7,
12.2'LT

RT-SL-18

60'R.

RT-4DY

STA 171+37.2,
17.3'RT

71'R.

STA 171+51.9,
34.8'RT

25' TYP.

LANE CLOSED
R11-2L
48" X 30"

STA 171+41.6,
38.7'RT

11'

11'

QUARRY ROAD

50+00 Q

STOP
R1-1
30" X 30"

RT-4W

SIDEWALK CLOSED
R9-9
24" X 12"
MOUNT ON
BARRICADE
TYPE II

LANE CLOSED
R11-2L
48" X 30"

MATCHLINE STA. 50+50 Q

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3B	SHEET 376	E

2

N

W01-4L

MOUNT ON TYPE II BARRICADE

SIDEWALK CLOSED AHEAD
CROSS HERE

R9-11
24" X 12"

STA 53+25.0 Q,
0.0'LT

LANE CLOSED
R11-2L
48" X 30"

W01-6
48" X 24"

MOUNT ON BARRICADE TYPE II

SIDEWALK CLOSED
R9-9
24" X 12"

QUARRY ROAD

END ROAD WORK
G20-2A
48" X 24"

RT-4DY

STA 52+25.3 Q,
5.4'RT

MOUNT ON TYPE II BARRICADE

SIDEWALK CLOSED AHEAD
CROSS HERE

R9-11
24" X 12"

END CONSTRUCTION
STA. 51+56.71 Q

STA 51+56.7 Q,
9.3'RT

RT-4DY

RESEARCH WAY

MATCHLINE STA. 50+50 Q

106'R.

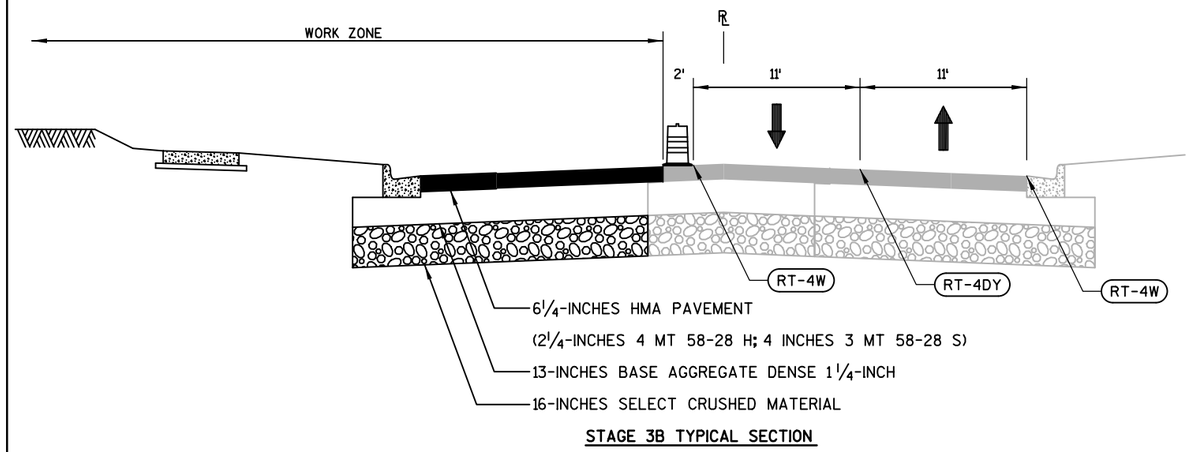
STA 50+74.2 Q,
6.3'RT

RT-4W

MOUNT ON TYPE II BARRICADE

SIDEWALK CLOSED
CROSS HERE

STA 51+37.9 Q,
9.3'RT



STAGE 3B TYPICAL SECTION

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3B	SHEET 377	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026520_s3B.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N

282' MERGING TAPER

RT-4Y

PERM.

W01-6
48" X 24"

STA 170+37.3,
26.7' LT

W04-2L

SIDEWALK CLOSED
R9-9
24" X 12"

SEE STAGE 4 DRAWINGS

+00

+50

169+00

+50

25' TYP.

170+00

+50

PLEASANT VIEW ROAD

PERM.

171+00

+50

172+00

173+00

+50

174+

MATCHLINE STA. 174+00

SIDEWALK CLOSED
R9-9
24" X 12"

QUARRY ROAD

+50

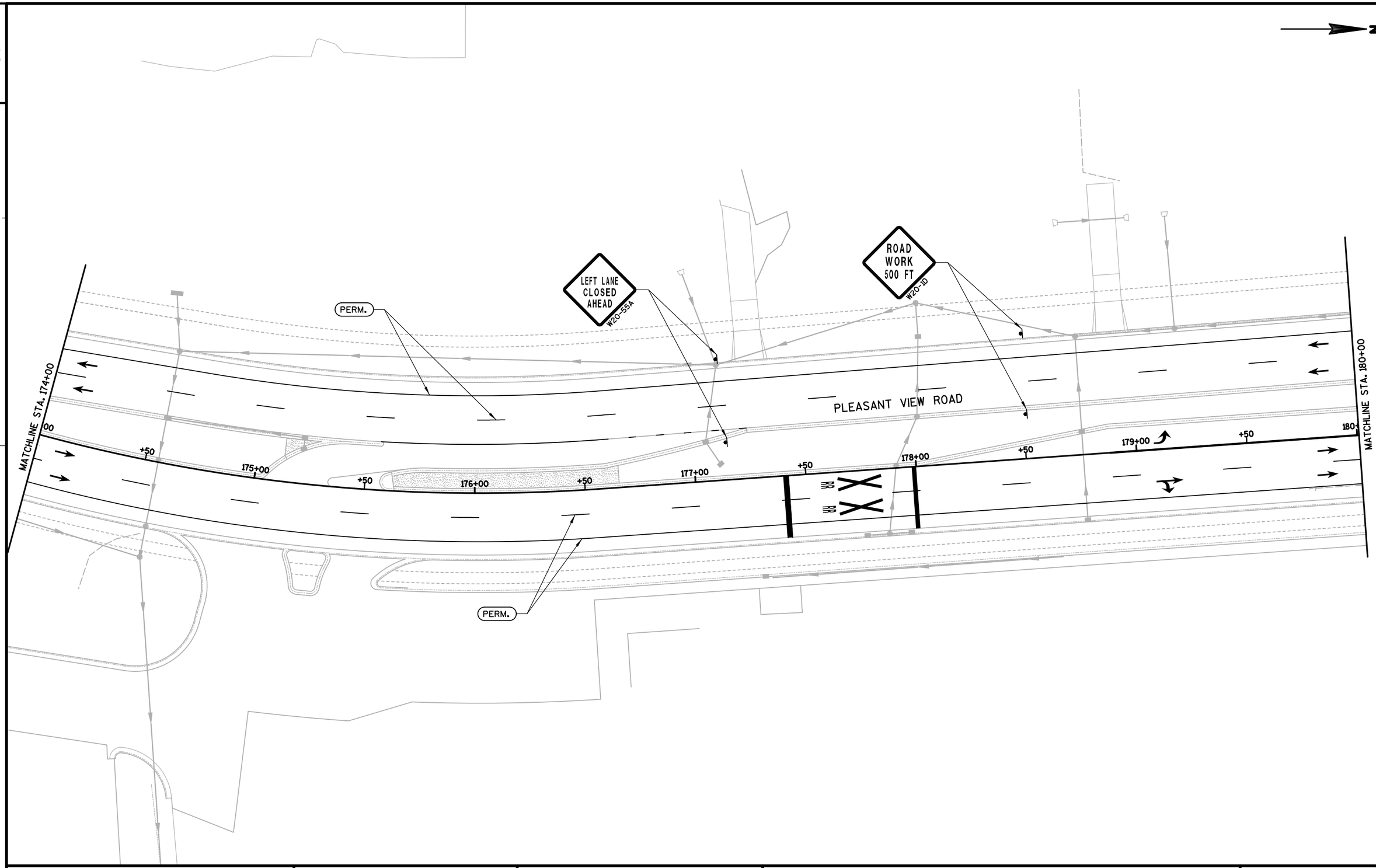
MATCHLINE STA. 50+50 Q

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3C	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026512_S3C.dgn PLOT DATE : 7/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

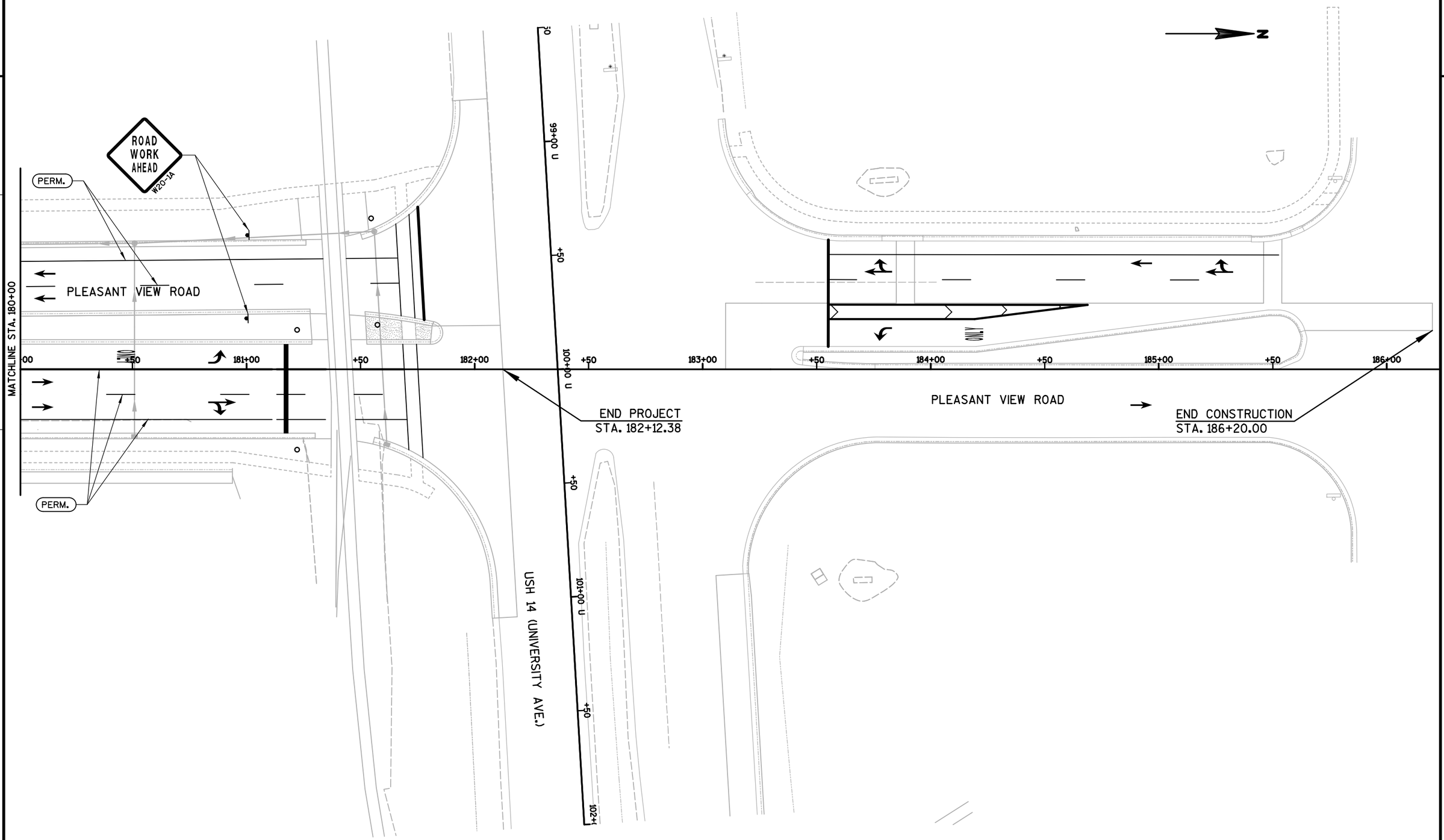
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3C	SHEET 379	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026513_S3C.dgn PLOT DATE : 7/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 3C	SHEET 380	E

2

N

OLD SAUK ROAD

PLEASANT VIEW ROAD

+50 97+00 +50 98+00 +50 99+00 +50 100+00 +50 101+00 +50 102

MATCHLINE STA. 102+00

PLEASANT VIEW ROAD

LEFT LANE CLOSED AHEAD
W20-5

ROAD WORK 500 FT
W20-1D

W04-2L

ROAD WORK 250 FT
W20-1H

OLD SAUK ROAD

2

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE WINTER	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026800_sWinter.dgn PLOT DATE : 4/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

OLD SAUK ROAD

MATCHLINE STA. 102+00

MATCHLINE STA. 108+00

PLEASANT VIEW ROAD

END ROAD WORK
G20-2A
48" X 24"

W01-6
48" X 24"

W01-6
48" X 24"

STA 103+25, 0.0' RT

STA 106+78.6, 17.1' LT

STA 107+57.1, 2.5' LT

STA 106+31.5, 19.9' LT

CW-4W

CW-4Y

CW-4Y

25' TYP.

50' TYP.

STA 105+56, 22.0' LT

STA 106+50, 11.3' RT

STA 107+43.3, 19.4' RT

550' R.

561' R.

11'

11'

W01-4R

LANE CLOSED
R11-2L
48" X 30"

CW-4W

MOUNT ON TYPE II BARRICADE

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
24" X 12"

325' MERGING TAPER

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE WINTER	SHEET 382	E

2

N

TIMBER WOLF TRAIL

MOUNT ON
BARRICADE
TYPE II

SIDEWALK CLOSED
R9-9
24" X 12"

ROAD
CLOSED
R11-2
48" X 30"

MATCHLINE STA. 108+00

108+00 +50 109+00 +50 110+00 +50 111+00 +50 112+00 +50 113+00 +50 114+00

MATCHLINE STA. 114+00

PLEASANT VIEW ROAD

11'
11'
6'

CW-4W

25' TYP.

561' R.

550' R.

11'

CW-4Y

CW-4W

STA 109+34.7,
16.1' RT

STA 110+27.5,
11.0' RT

PERM.

CW-4DY

SIDEWALK CLOSED
R9-9
24" X 12"
MOUNT ON
BARRICADE
TYPE II

W06-2

W01-4R

W06-1

W06-3

NEXT
1 MILE
W057-51
48" X 24"

BEGIN PROJECT
STA. 108+32.00

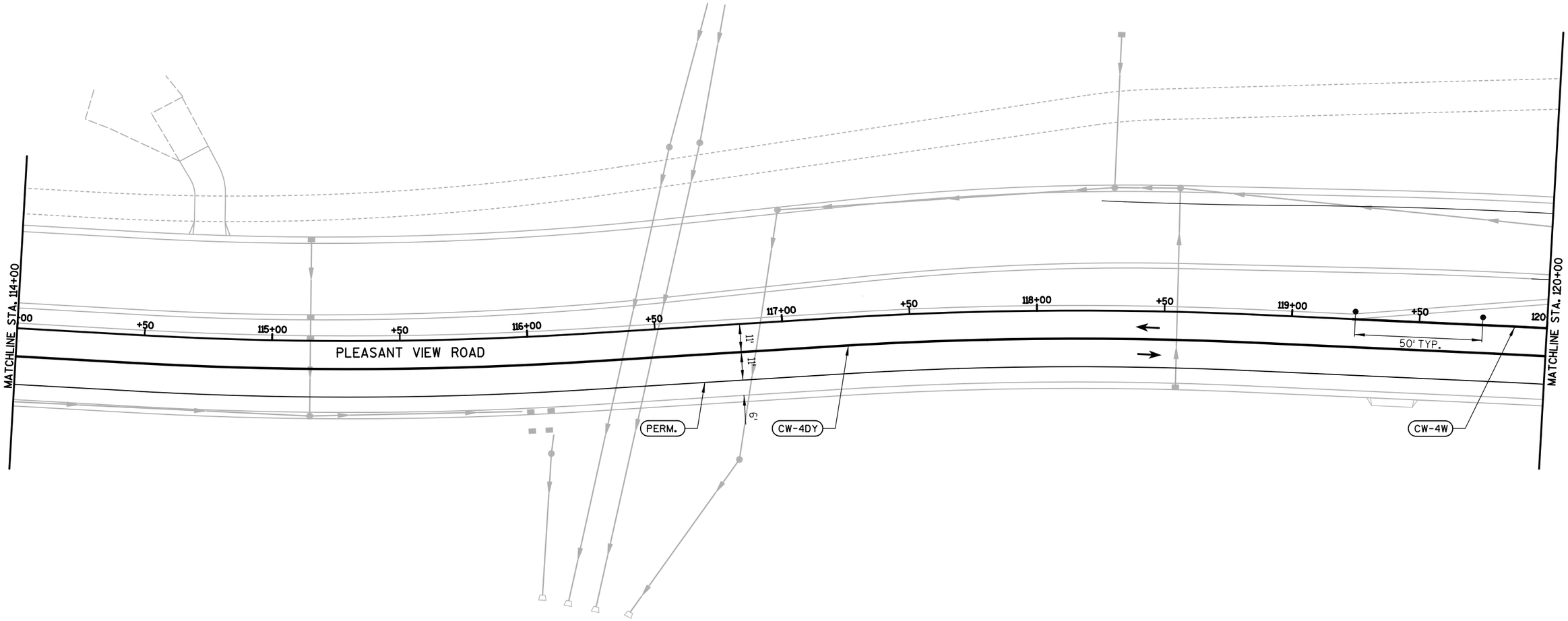
STA 108+32.8,
21.8' RT

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE WINTER	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026802_sWinter.dgn PLOT DATE : 4/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE WINTER	SHEET 384	E

2

N

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

MATCHLINE STA. 120+00

MATCHLINE STA. 126+00

CW-4W

+00 +50 121+00 +50 122+00 +50 123+00 +50 124+00 +50 125+00 +50 126

50' TYP.

PLEASANT VIEW ROAD

11'

11'

6'

PERM.

CW-4DY

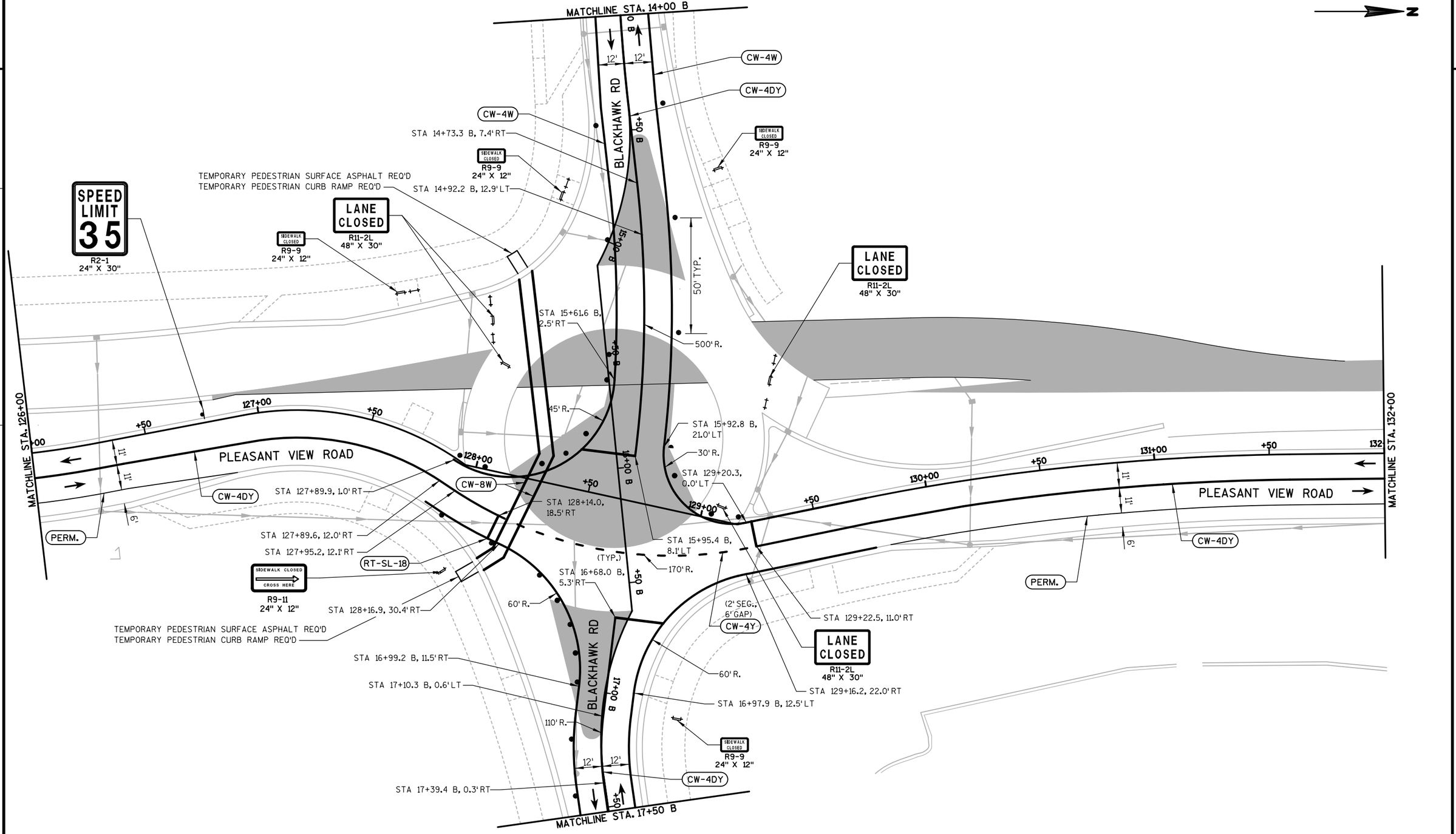
STOP
R1-1
30" X 30"

W01-7
48" X 24"

W06-3

DO NOT PASS
R4-1
24" X 30"

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE WINTER	SHEET 385	E



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE WINTER	SHEET 386 E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026805_sWinter.dgn PLOT DATE : 4/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N

MATCHLINE STA. 132+00

+00 +50 133+00 +50 134+00 +50 135+00 +50 136+00 +50 137+00 +50 138

MATCHLINE STA. 138+00

PLEASANT VIEW ROAD

11'
11'
6'

CW-4DY

PERM.

W06-3

DO NOT PASS

R4-1
24" X 30"

W06-3

DO NOT PASS

R4-1
24" X 30"

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE WINTER	SHEET 387	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026806_sWinter.dgn PLOT DATE : 4/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N

MATCHLINE STA. 138+00

PLEASANT VIEW ROAD

139+00

+50

+00

11'

11'

6'

PERM.

CW-4DY

140+00

+50

25' TYP.

W01-7
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

141+00

+50

11'

150' R.

SIDEWALK CLOSED
R9-9
24" X 12"
STA 140+11.4, 12.0' RT

STA 140+13.0, 24.4' RT

CW-4W

60' R.

10' R.

STA 140+71.1,
47.2' RT

STA 140+89.2,
46.5' RT

RT-SL-18

40' R.

40' R.

50+00 G

LANE CLOSED
R11-2L
48" X 30"
STA 50+13.4 G, 50.1' RT

100' R.

STA 50+24.4 G, 42.0' RT

W01-6
48" X 24"
STA 50+29.6 G, 21.5' RT

GREENWAY BLVD

+50 G

51+00 G

MATCHLINE STA. 51+00 G

STA 50+08.2 G,
18.7' LT

STA 50+17.4 G,
0.0' RT

CW-4Y

STOP
R1-1
30" X 30"

142+00

+50

143+00

+50

144

MATCHLINE STA. 144+00

PLEASANT VIEW ROAD

11'

11'

6'

PERM.

CW-4DY

CW-4W

SIDEWALK CLOSED
R9-9
24" X 12"

60' R.

STA 141+36.1, 11.0' RT

STA 141+36.1, 22.0' RT

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE WINTER	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026807_sWinter.dgn PLOT DATE : 4/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

GOLF COURSE ENTRANCE

LANE CLOSED
R11-2L
48" X 30"

MATCHLINE STA. 144+00

+00 +50 145+00 +50 146+00 +50 147+00 +50 148+00 +50 149+00 +50 150

MATCHLINE STA. 150+00

PLEASANT VIEW ROAD

11'
11'
6'

50' TYP.

PERM.
CW-4DY
CW-4W

W06-3
DO NOT PASS
R4-1
24" X 30"

STOP
R1-1
30" X 30"

W01-7
48" X 24"

2

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE WINTER	SHEET 389	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026808_sWinter.dgn PLOT DATE : 4/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2

2

GOLF COURSE ENTRANCE

SIDEWALK CLOSED
R9-9
24" X 12"

N

MATCHLINE STA. 150+00

150+00

+50

151+00

+50

152+00

+50

153+00

+50

154+00

+50

155+00

+50

156

MATCHLINE STA. 156+00

11'

11'

6'

PLEASANT VIEW ROAD

PERM.

CW-4DY

SPEED LIMIT 35
R2-1
24" X 30"

W06-3

DO NOT PASS
R4-1
24" X 30"

W06-3

DO NOT PASS
R4-1
24" X 30"

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE WINTER	SHEET 390	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026809_sWinter.dgn PLOT DATE : 4/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2

N

MOUNT ON
BARRICADE
TYPE II

SIDEWALK CLOSED
R9-9
24" X 12"

W01-7
48" X 24"

LANE
CLOSED
R11-2L
48" X 30"

MATCHLINE STA. 156+00

+00 +50 157+00 +50 158+00 +50 159+00 +50 160+00 +50 161+00 +50 162

MATCHLINE STA. 162+00

PLEASANT VIEW ROAD

25' TYP.

11'

11'

6'

PERM.

CW-4DY

CW-4W

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE WINTER	SHEET 391	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026810_sWinter.dgn PLOT DATE : 4/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N

W06-3
NEXT 1 MILE
W057-51
48" X 24"

W06-2

LANE CLOSED
R11-2L
48" X 30"

R3-2
24" X 24"

W01-6
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

W01-6
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

CW-4W

300' R.

STA 166+52.4,
16.2' LT

STA 167+39.6,
43.0' LT

STA 167+69.7,
32.0' LT

50' TYP.

PLEASANT VIEW ROAD

MATCHLINE STA. 162+00

MATCHLINE STA. 168+00

163+00

164+00

165+00

166+00

167+00

+50

11'

6'

STA 164+46.8,
11.0' RT

W01-6
48" X 24"

CW-4Y

STA 166+83.3,
11.0' RT

PERM.

CW-4DY

PERM.

W06-1

2

N

282' MERGING TAPER

CW-4Y

PERM.

W01-6
48" X 24"

STA 170+37.3,
26.7' LT

W04-2L

MATCHLINE STA. 168+00

168+00

+50

169+00

+50

25' TYP.

170+00

PLEASANT VIEW ROAD

PERM.

+50

171+00

+50

172+00

173+00

+50

174+00

MATCHLINE STA. 174+00

QUARRY ROAD

50+00

+50

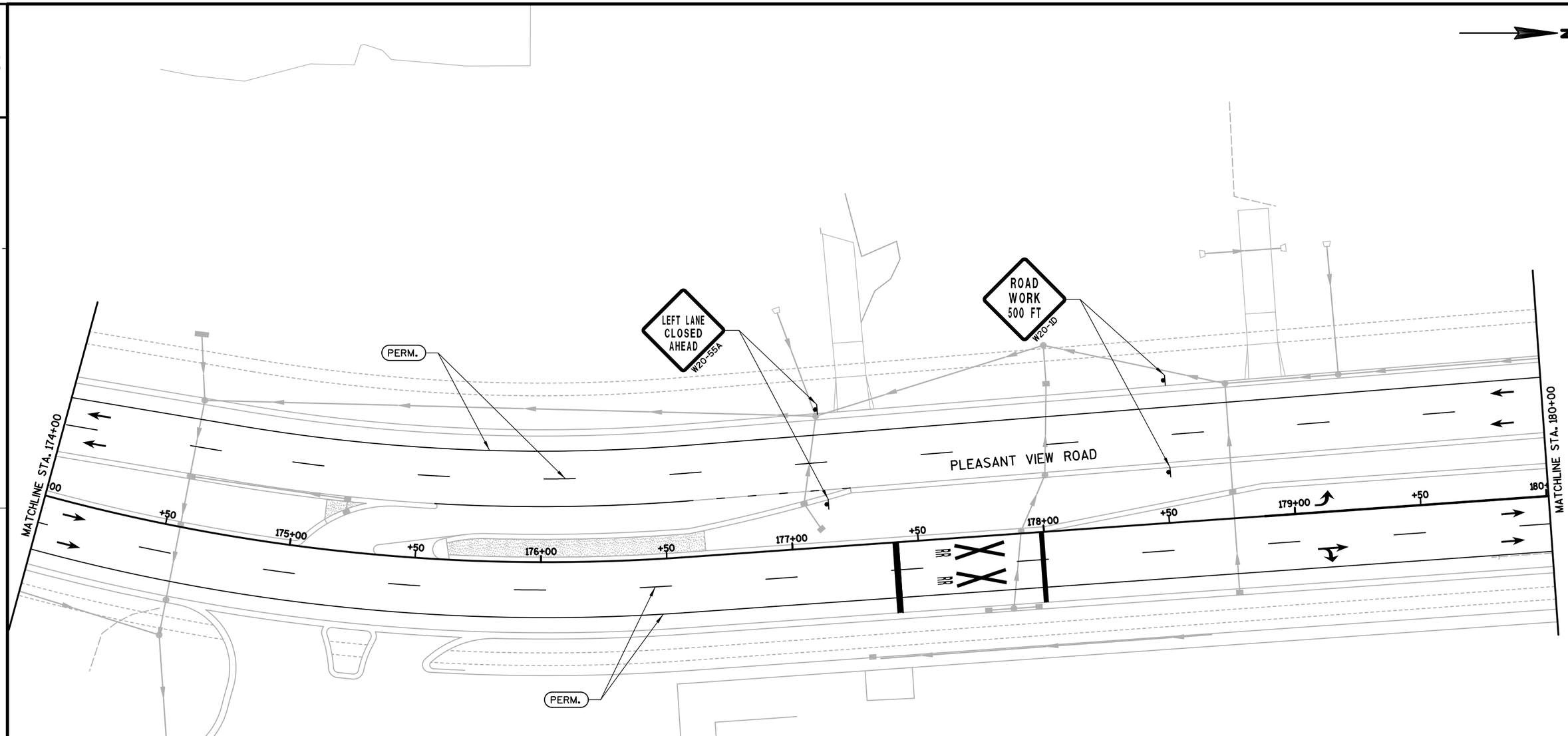
MATCHLINE STA. 50+50 Q

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE WINTER	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026812_sWinter.dgn PLOT DATE : 7/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE WINTER	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026813_sWinter.dgn PLOT DATE : 7/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N

ROAD WORK AHEAD W20-1A

PERM.

PLEASANT VIEW ROAD

MATCHLINE STA. 180+00

00 +50 181+00 +50 182+00 +50 183+00 +50 184+00 +50 185+00 +50 186+00

99+00 U +50 100+00 U

END PROJECT
STA. 182+12.38

PLEASANT VIEW ROAD

END CONSTRUCTION
STA. 186+20.00

ONLY

PERM.

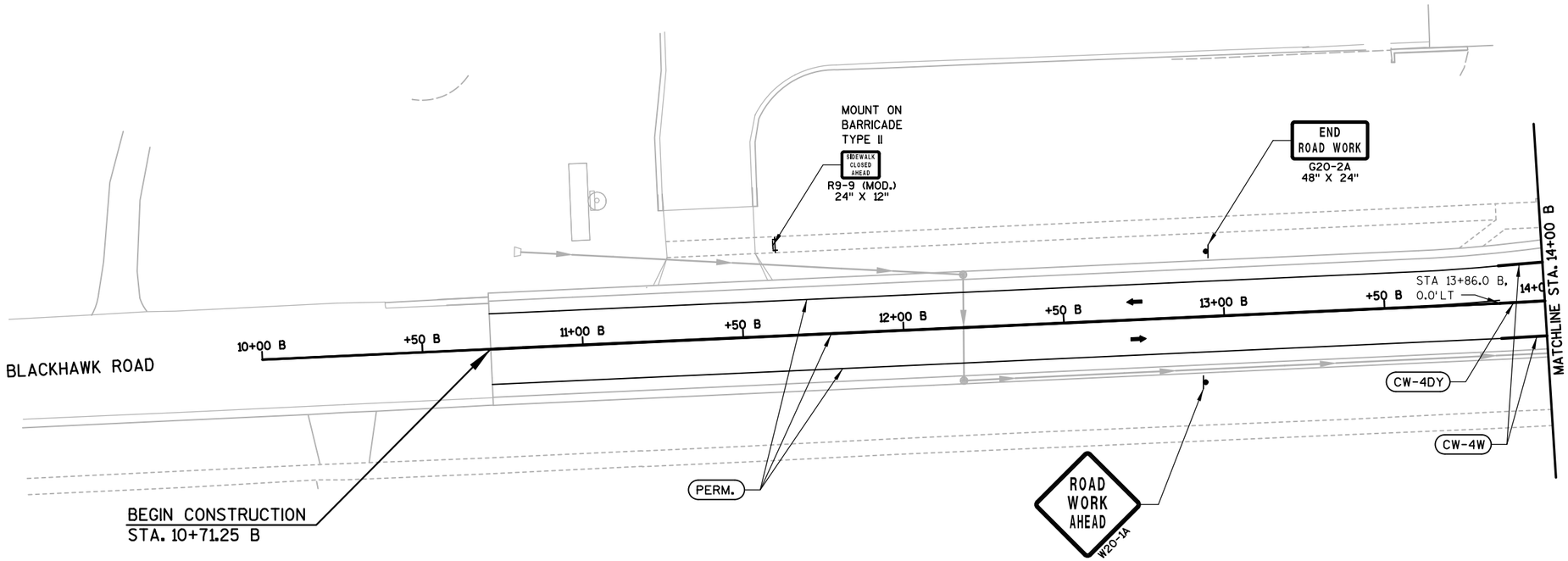
USH 14 (UNIVERSITY AVE.)

+50 101+00 U +50 102+

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CONSTRUCTION STAGING - STAGE WINTER	SHEET 395	E

2

N

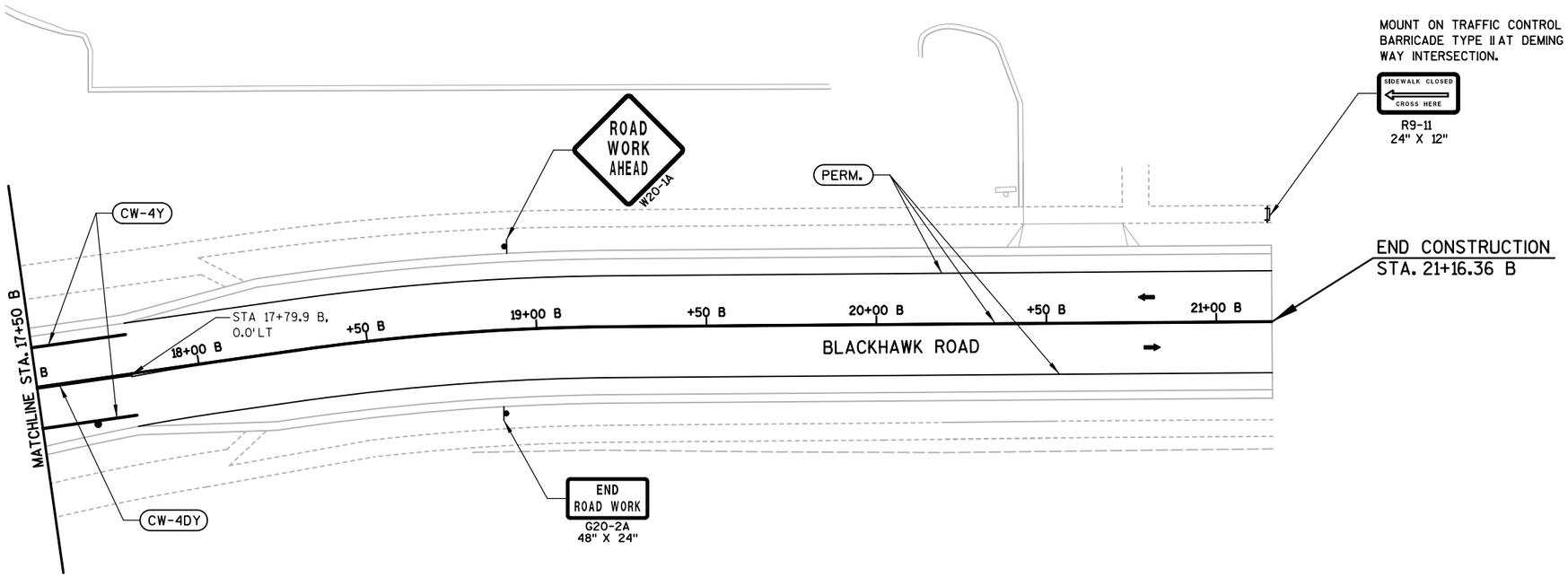


PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE WINTER	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026815_sWinter.dgn PLOT DATE : 4/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE WINTER	SHEET 397	E

2

N

END CONSTRUCTION
STA. 53+38.19 G

ROAD WORK AHEAD
W20-1A

56+00 G
+50 G
55+00 G
+50 G
54+00 G
+50 G
53+00 G
+50 G
52+00 G
+50 G
51+00 G

GREENWAY BLVD

MATCHLINE STA. 51+00 G

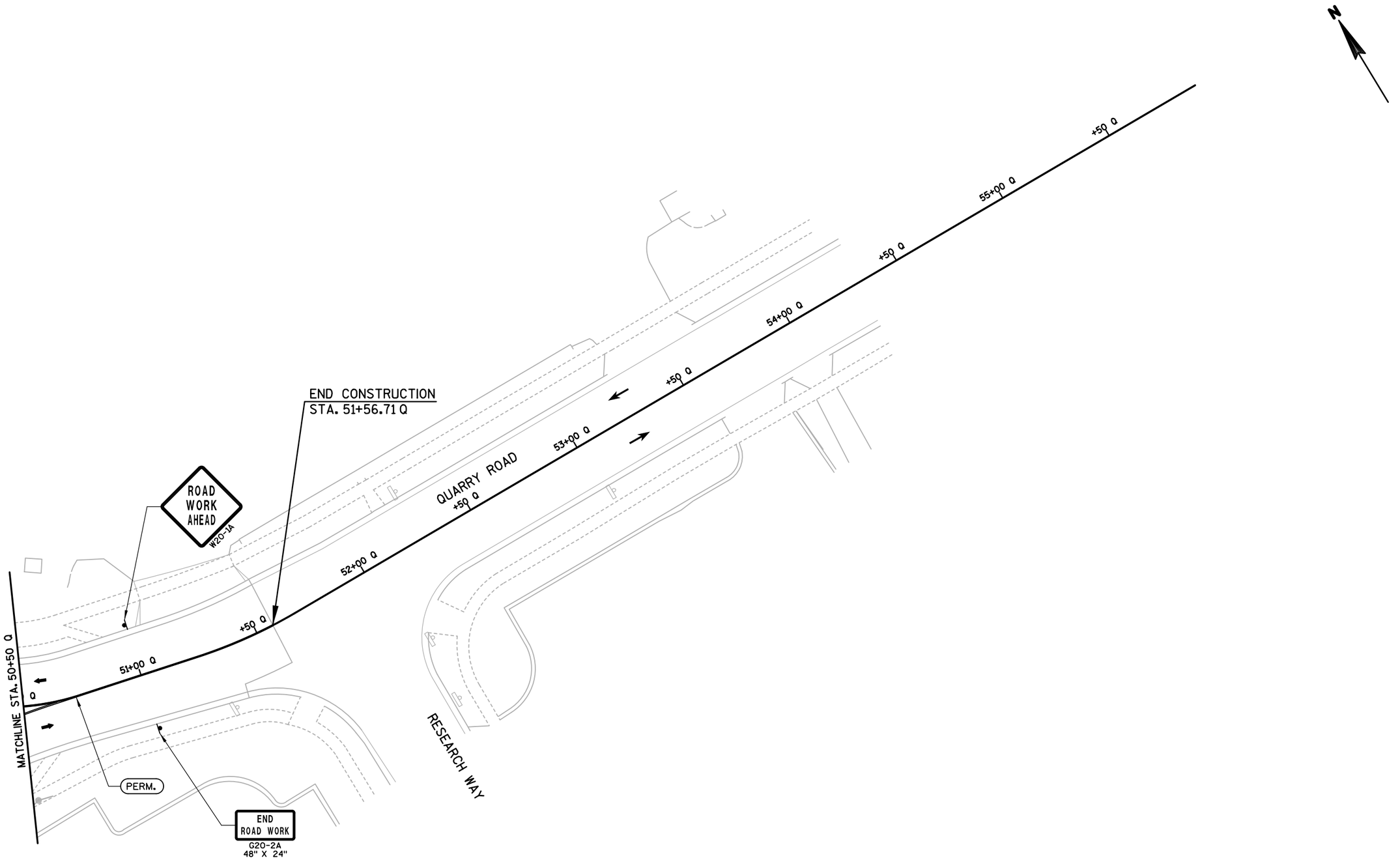
PERM.

END ROAD WORK
G20-2A
48" X 24"

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE WINTER	SHEET	E

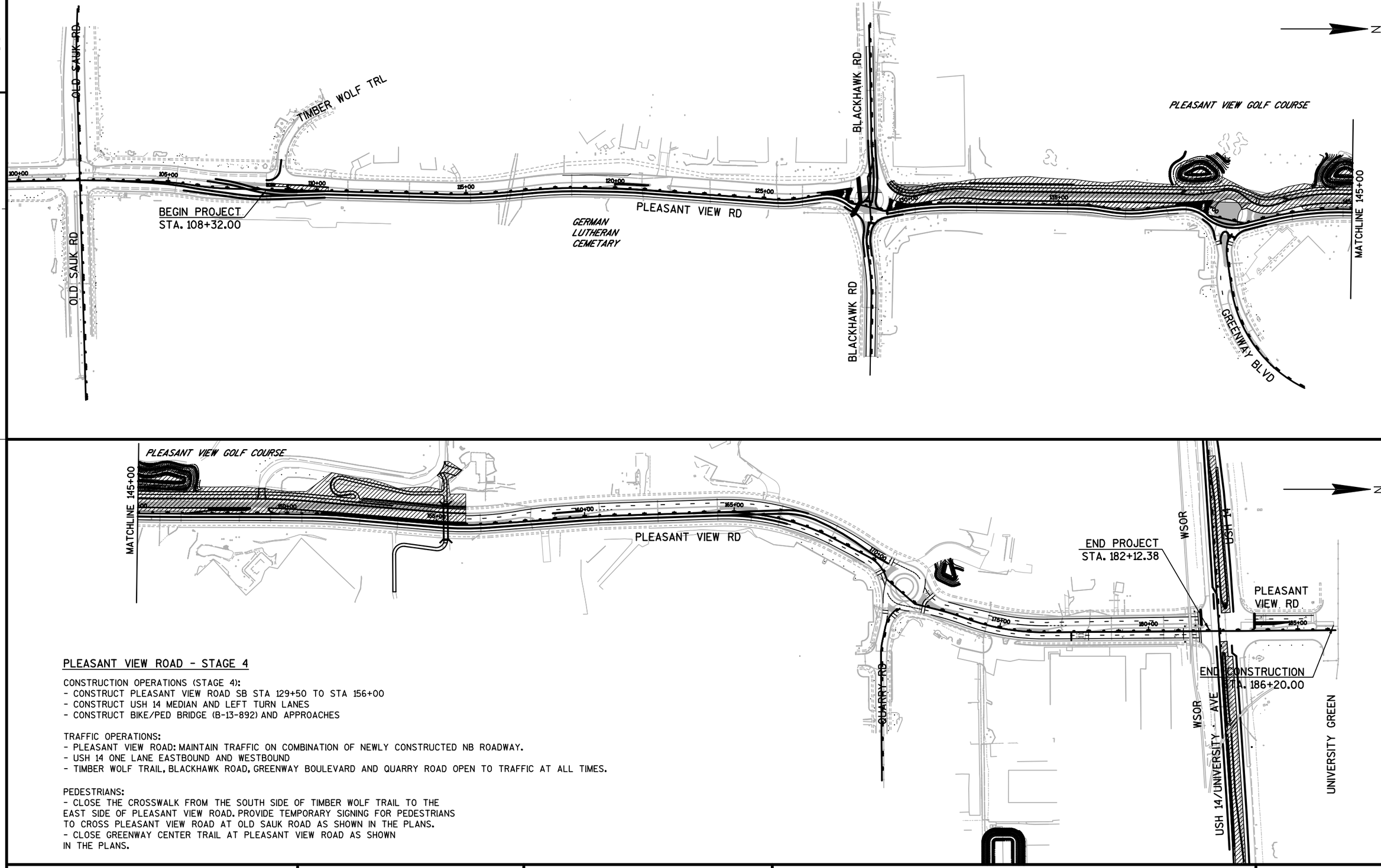
FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026817_sWinter.dgn PLOT DATE : 4/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE WINTER	SHEET 399	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026820_sWinter.dgn PLOT DATE : 4/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



PLEASANT VIEW ROAD - STAGE 4

CONSTRUCTION OPERATIONS (STAGE 4):
- CONSTRUCT PLEASANT VIEW ROAD SB STA 129+50 TO STA 156+00
- CONSTRUCT USH 14 MEDIAN AND LEFT TURN LANES
- CONSTRUCT BIKE/PED BRIDGE (B-13-892) AND APPROACHES

TRAFFIC OPERATIONS:
- PLEASANT VIEW ROAD: MAINTAIN TRAFFIC ON COMBINATION OF NEWLY CONSTRUCTED NB ROADWAY.
- USH 14 ONE LANE EASTBOUND AND WESTBOUND
- TIMBER WOLF TRAIL, BLACKHAWK ROAD, GREENWAY BOULEVARD AND QUARRY ROAD OPEN TO TRAFFIC AT ALL TIMES.

PEDESTRIANS:
- CLOSE THE CROSSWALK FROM THE SOUTH SIDE OF TIMBER WOLF TRAIL TO THE EAST SIDE OF PLEASANT VIEW ROAD. PROVIDE TEMPORARY SIGNING FOR PEDESTRIANS TO CROSS PLEASANT VIEW ROAD AT OLD SAUK ROAD AS SHOWN IN THE PLANS.
- CLOSE GREENWAY CENTER TRAIL AT PLEASANT VIEW ROAD AS SHOWN IN THE PLANS.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 OVERVIEW	SHEET 400	E

2

N

OLD SAUK ROAD

PLEASANT VIEW ROAD

+50 97+00 +50 98+00 +50 99+00 +50 100+00 +50 101+00 +50 102

MATCHLINE STA. 102+00

PLEASANT VIEW ROAD

LEFT LANE CLOSED AHEAD W20-5

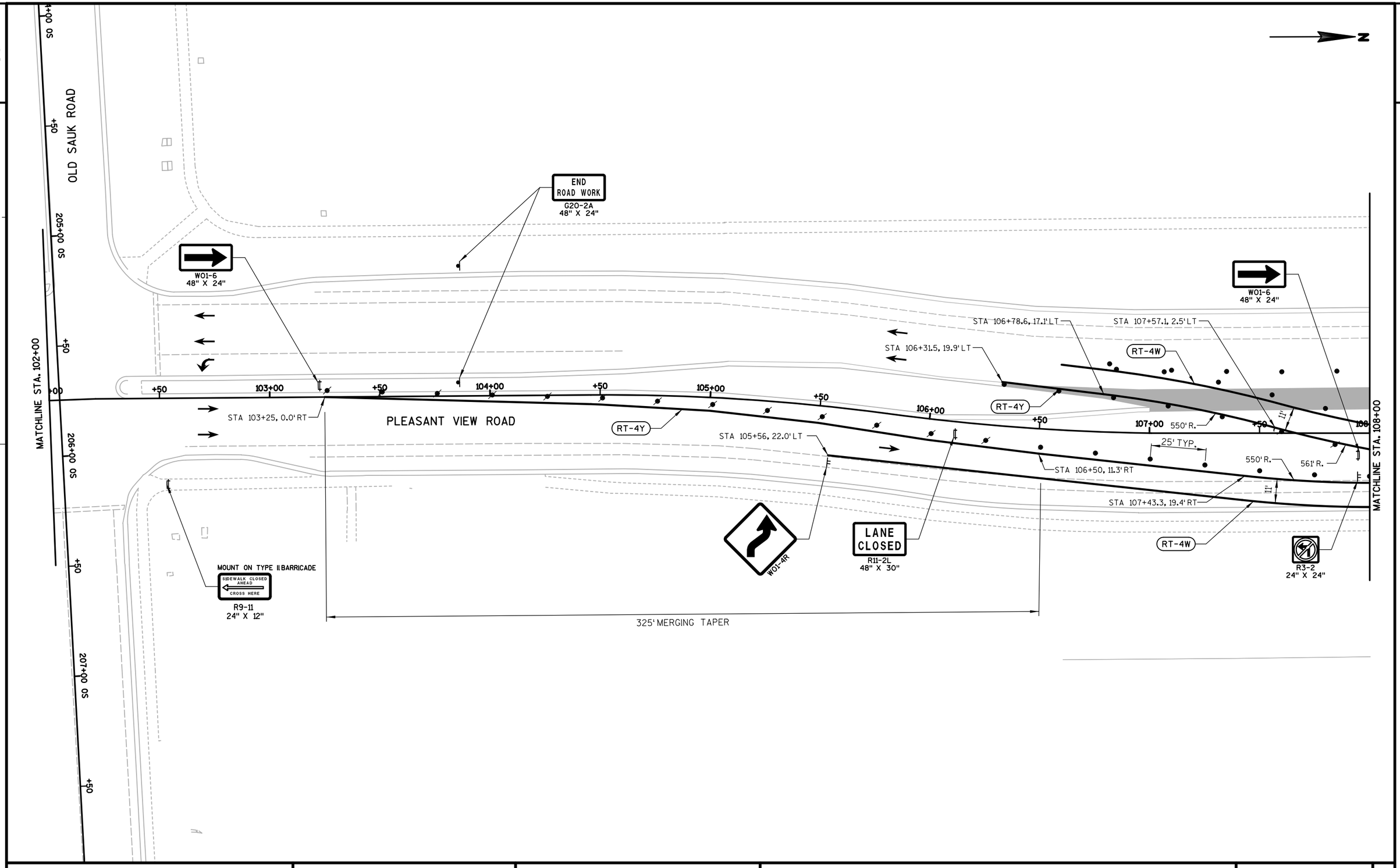
ROAD WORK 500 FT W20-1D

W04-2L

ROAD WORK 250 FT W20-1H

OLD SAUK ROAD

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET 401	E



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET 402	E

2

N

TIMBER WOLF TRAIL

MOUNT ON
BARRICADE
TYPE II

SIDEWALK CLOSED
R9-9
24" X 12"

ROAD CLOSED
R11-2
48" X 30"

STA 108+75.4,
68.0' LT

W01-6
48" X 24"

40' R.

RT-4Y

STA 108+36.0,
31.7' LT

MATCHLINE STA. 108+00

+50 109+00 +50 110+00 +50 111+00 +50 112+00 +50 113+00 +50 114+

MATCHLINE STA. 114+00

PLEASANT VIEW ROAD

11'
11'
9'

561' R.

550' R.

25' TYP.

RT-4Y

RT-4W

STA 109+34.7,
16.1' RT

STA 110+27.5,
11.0' RT

PERM.

RT-4DY

SIDEWALK CLOSED
R9-9
24" X 12"
MOUNT ON
BARRICADE
TYPE II

W06-2

W01-4R

W06-1

W06-3

NEXT
1 MILE
W057-51
48" X 24"

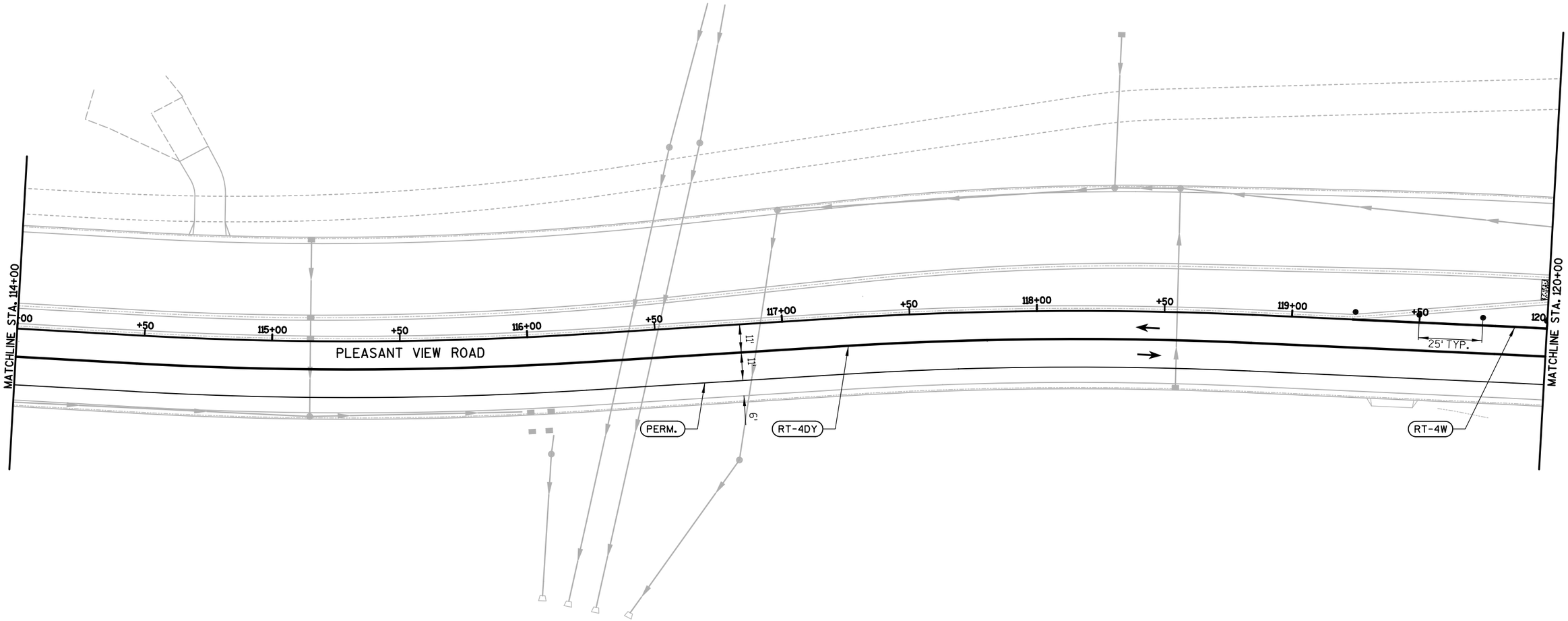
BEGIN PROJECT
STA. 108+32.00

STA 108+32.8,
21.8' RT

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET 403	E

2

N



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET 404	E

2

N

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

MATCHLINE STA. 120+00

MATCHLINE STA. 126+00

RT-4W

+00 +50 121+00 +50 122+00 +50 123+00 +50 124+00 +50 125+00 +50 126

25' TYP.

PLEASANT VIEW ROAD

11'

11'

6'

PERM.

RT-4DY

STOP
R1-1
30" X 30"

W01-7
48" X 24"

W06-3

DO NOT PASS
R4-1
24" X 30"

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET 405	E

2

N

MATCHLINE STA. 14+00 B

BLACKHAWK RD

12' 12'

RT-4W

RT-4DY

RT-4W

STA 14+73.3 B, 7.4' RT

SIDEWALK CLOSED
R9-9
24" X 12"

TEMPORARY PEDESTRIAN SURFACE ASPHALT REQ'D
TEMPORARY PEDESTRIAN CURB RAMP REQ'D

STA 14+92.2 B, 12.9' LT

SIDEWALK CLOSED
R9-9
24" X 12"

SPEED LIMIT 35
R2-1
24" X 30"

LANE CLOSED
R11-2L
48" X 30"

SIDEWALK CLOSED
R9-9
24" X 12"

LANE CLOSED
R11-2L
48" X 30"

STA 15+61.6 B, 2.5' RT

500' R.

25' TYP.

45' R.

STA 15+92.8 B, 21.0' LT

30' R.

STA 129+20.3, 0.0' LT

MATCHLINE STA. 126+00

PLEASANT VIEW ROAD

RT-4DY

STA 127+89.9, 1.0' RT

RT-8W

STA 128+14.0, 18.5' RT

PERM.

STA 127+89.6, 12.0' RT

STA 127+95.2, 12.1' RT

RT-SL-18

STA 15+95.4 B, 8.1' LT

(TYP.)

170' R.

SIDEWALK CLOSED
CROSS HERE
R9-11
24" X 12"

STA 16+68.0 B, 5.3' RT

STA 128+16.9, 30.4' RT

60' R.

TEMPORARY PEDESTRIAN SURFACE ASPHALT REQ'D
TEMPORARY PEDESTRIAN CURB RAMP REQ'D

(2' SEG., 6' GAP)

RT-4Y

STA 129+22.5, 11.0' RT

LANE CLOSED
R11-2L
48" X 30"

STA 16+99.2 B, 11.5' RT

STA 17+10.3 B, 0.6' LT

BLACKHAWK RD

60' R.

STA 129+16.2, 22.0' RT

STA 16+97.9 B, 12.5' LT

110' R.

SIDEWALK CLOSED
R9-9
24" X 12"

12' 12'

RT-4DY

STA 17+39.4 B, 0.3' RT

MATCHLINE STA. 17+50 B

MATCHLINE STA. 132+00

PLEASANT VIEW ROAD

RT-4DY

PERM.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET 406 E

2

N

MATCHLINE STA. 132+00

MATCHLINE STA. 138+00

132+00 +50 133+00 +50 134+00 +50 135+00 +50 136+00 +50 137+00 +50 138

PLEASANT VIEW ROAD

11'

11'

6'

RT-4DY

PERM.

W06-3

DO NOT PASS

R4-1

24" X 30"

W06-3

DO NOT PASS

R4-1

24" X 30"

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET 407	E

2

N

MATCHLINE STA. 138+00

PLEASANT VIEW ROAD

139+00

+50

+00

11'

11'

6'

PERM.

RT-4DY

SIDEWALK CLOSED
R9-9
24" X 12"
STA 140+11.4, 12.0' RT

STA 140+13.0, 24.4' RT

RT-4W

60' R.

LANE CLOSED
R11-2L
48" X 30"
STA 50+13.4 G, 50.1' RT

100' R.

STA 50+24.4 G, 42.0' RT

W01-6
48" X 24"
STA 50+29.6 G, 21.5' RT

W01-7
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

+50

141+00

25' TYP.

11'

150' R.

10' R.

STA 140+71.1, 47.2' RT

40' R.

STA 140+89.2, 46.5' RT

RT-SL-18

40' R.

+50 G

GREENWAY BLVD

+50 G

51+00

MATCHLINE STA. 51+00 G

STA 141+88.7, 61.0' LT

142+00

+50

143+00

+50

11'

11'

PLEASANT VIEW ROAD

6'

PERM.

RT-4DY

RT-4W

SIDEWALK CLOSED
R9-9
24" X 12"

60' R.

STA 141+36.1, 11.0' RT

STA 141+36.1, 22.0' RT

STA 50+08.2 G, 18.7' LT

STA 50+17.4 G, 0.0' RT

RT-4Y

STOP
R1-1
30" X 30"

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET 408	E

2

N

GOLF COURSE ENTRANCE

LANE CLOSED
R11-2L
48" X 30"

MATCHLINE STA. 144+00

MATCHLINE STA. 150+00

144+00 +50 145+00 +50 146+00 +50 147+00 +50 148+00 +50 149+00 +50 150

PLEASANT VIEW ROAD

11'

11'

6'

25' TYP.

PERM.

RT-4DY

RT-4W

W06-3

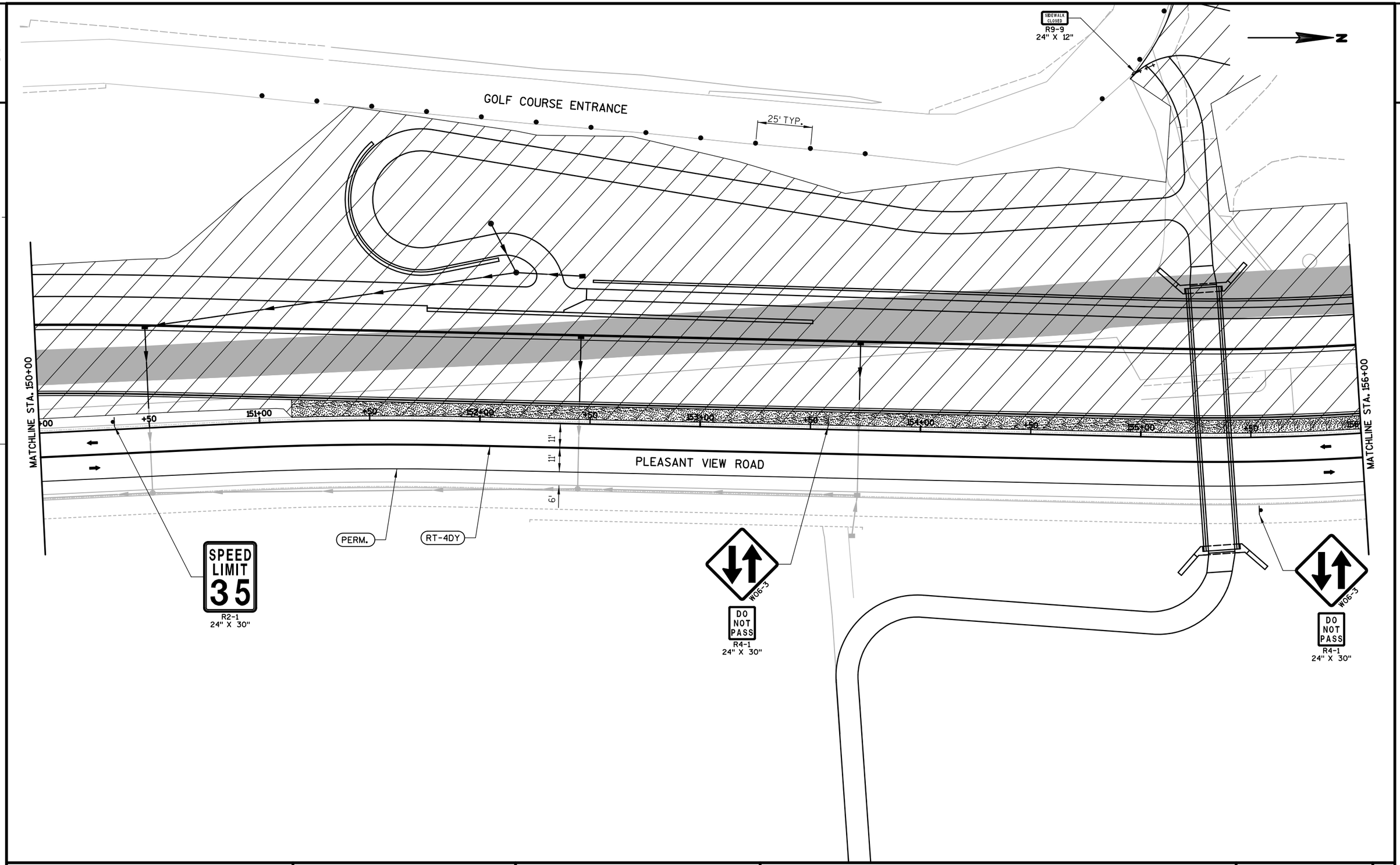
DO NOT PASS
R4-1
24" X 30"

STOP
R1-1
30" X 30"

W01-7
48" X 24"

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET 409	E

2



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET 410	E

2

N

MOUNT ON
BARRICADE
TYPE II

SIDEWALK CLOSED
R9-9
24" X 12"

W01-7
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

MATCHLINE STA. 156+00

+00

+50

157+00

+50

158+00

+50

159+00

+50

160+00

+50

161+00

+50

162

MATCHLINE STA. 162+00

PLEASANT VIEW ROAD

25' TYP.

11'

11'

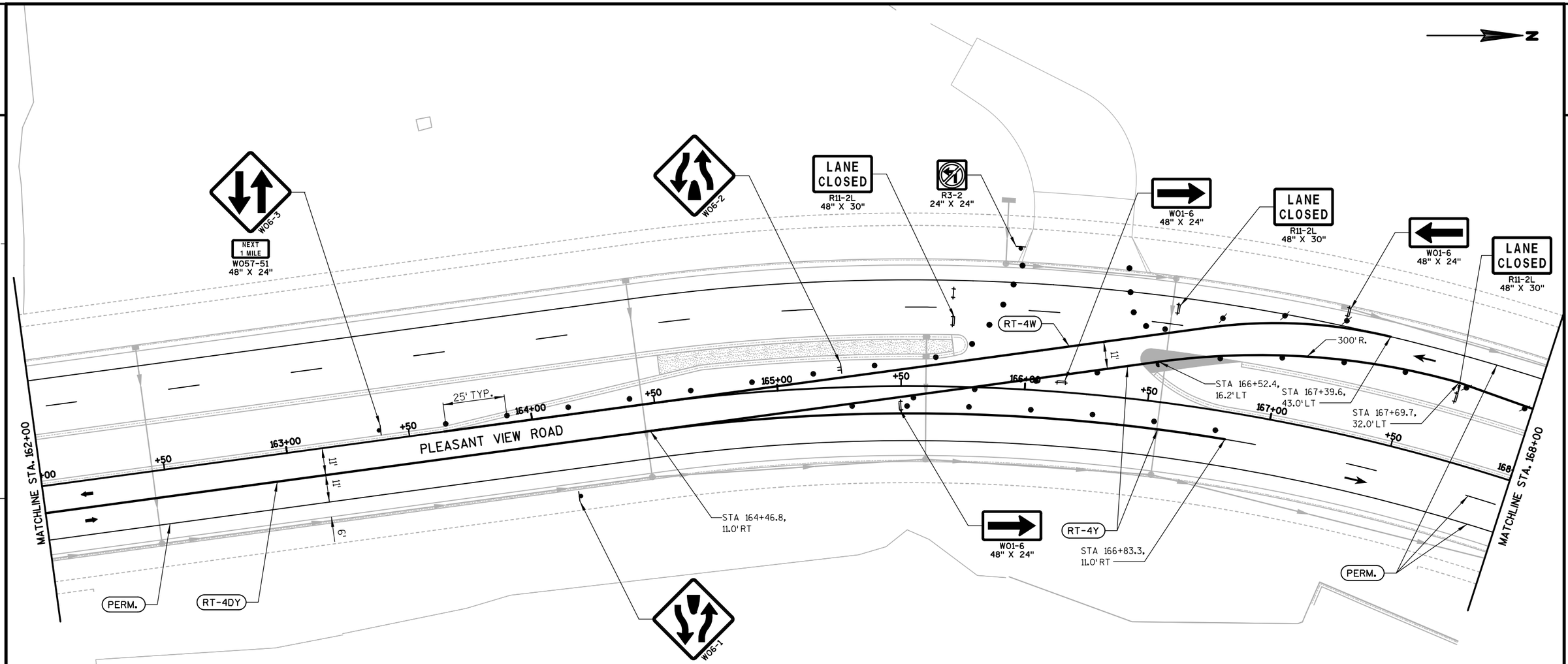
6'

PERM.

RT-4DY

RT-4W

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET 411	E



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026611_s4.dgn PLOT DATE : 7/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N

282' MERGING TAPER

RT-4Y

PERM.

W01-6
48" X 24"

STA 170+37.3,
26.7' LT

W04-2L

MATCHLINE STA. 168+00

168+00

+50

169+00

+50

25' TYP.

170+00

+50

PLEASANT VIEW ROAD

PERM.

171+00

+50

172+00

+50

173+00

+50

174+00

MATCHLINE STA. 174+00

QUARRY ROAD

50+00

+50

MATCHLINE STA. 50+50 Q

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026612_s4.dgn PLOT DATE : 7/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N

LEFT LANE CLOSED AHEAD W20-55A

ROAD WORK 500 FT W20-1D

PERM.

PLEASANT VIEW ROAD

MATCHLINE STA. 174+00

00

+50

175+00

+50

176+00

+50

177+00

+50

178+00

+50

179+00

+50

180+

MATCHLINE STA. 180+00

RR

RR

PERM.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026613_s4.dgn PLOT DATE : 7/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

MATCHLINE STA. 98+50 U

RT-4Y

STA 98+51.9 U,
12.0' RT

BEGIN LEFT TURN LANE
R3-20L
24" X 36"

MOUNT ON TYPE II BARRICADE
SIDEWALK CLOSED
CROSS HERE
R9-11A
24" X 12"

ROAD WORK AHEAD
W20-1A

PERM.

STA 98+74.9 U,
0.0' LT

RT-4Y

RT-8W

STA 99+24.3 U,
0.0' LT

11'

99+00 U

+50

10'
TYP.

50' TYP.

TRAFFIC CONTROL COVERING SIGNS TYPE II REQ'D

SIDEWALK CLOSED
R9-9
24" X 12"

STA 99+38.1 U,
52.0' LT

W01-6
48" X 24"

N

MATCHLINE STA. 180+00

PLEASANT VIEW ROAD

00 +50 181+00 +50 182+00 +50 183+00 +50 184+00 +50 185+00 +50 186+00

ONLY

END PROJECT
STA. 182+12.38

W01-6
48" X 24"

PLEASANT VIEW ROAD

END CONSTRUCTION
STA. 186+20.00

STA 100+50.9 U,
40.0' LT (MATCH EXISTING STOP LINE)

PERM.

STA 100+50.9 U,
12.0' RT
(MATCH EXISTING STOP LINE)

+50

STA 100+75.9 U,
40.0' LT

STA 100+87.6 U,
52.0' LT

11'

USH 14 (UNIVERSITY AVE.)

101+00 U

BEGIN LEFT TURN LANE
R3-20L
24" X 36"

+50

RT-4Y

RT-4Y

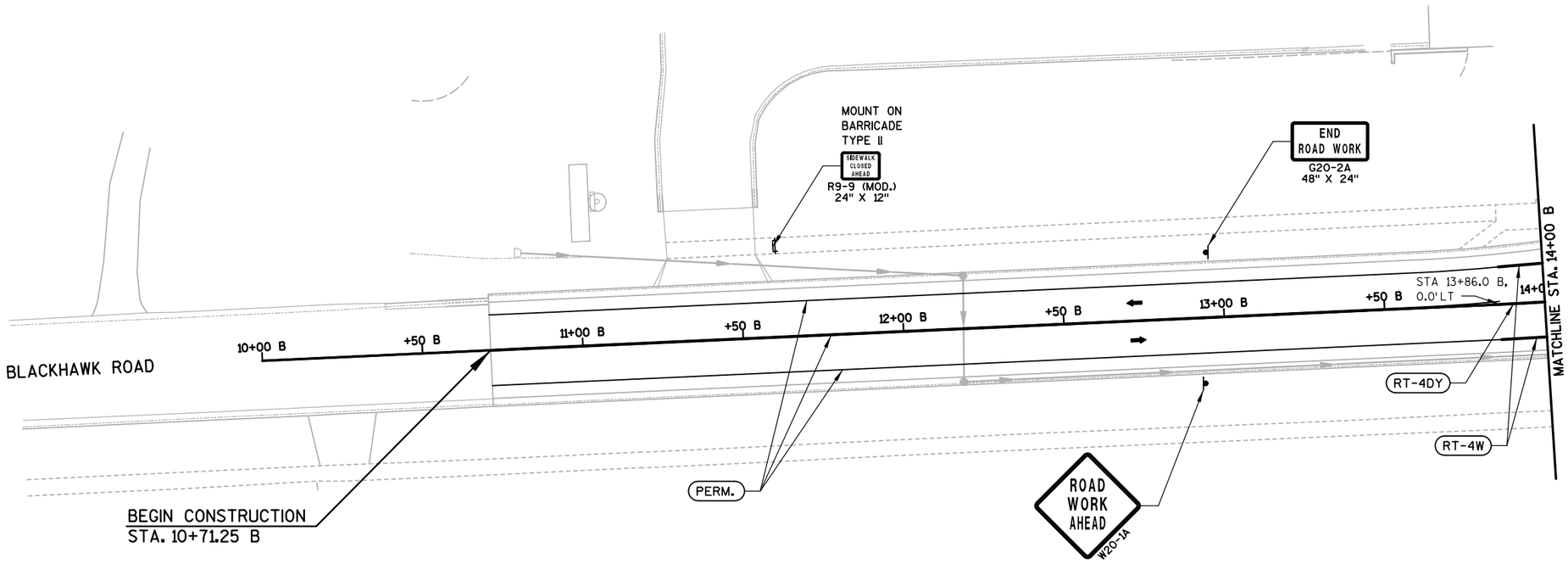
102+

MATCHLINE STA. 102+00 U

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET 415	E

2

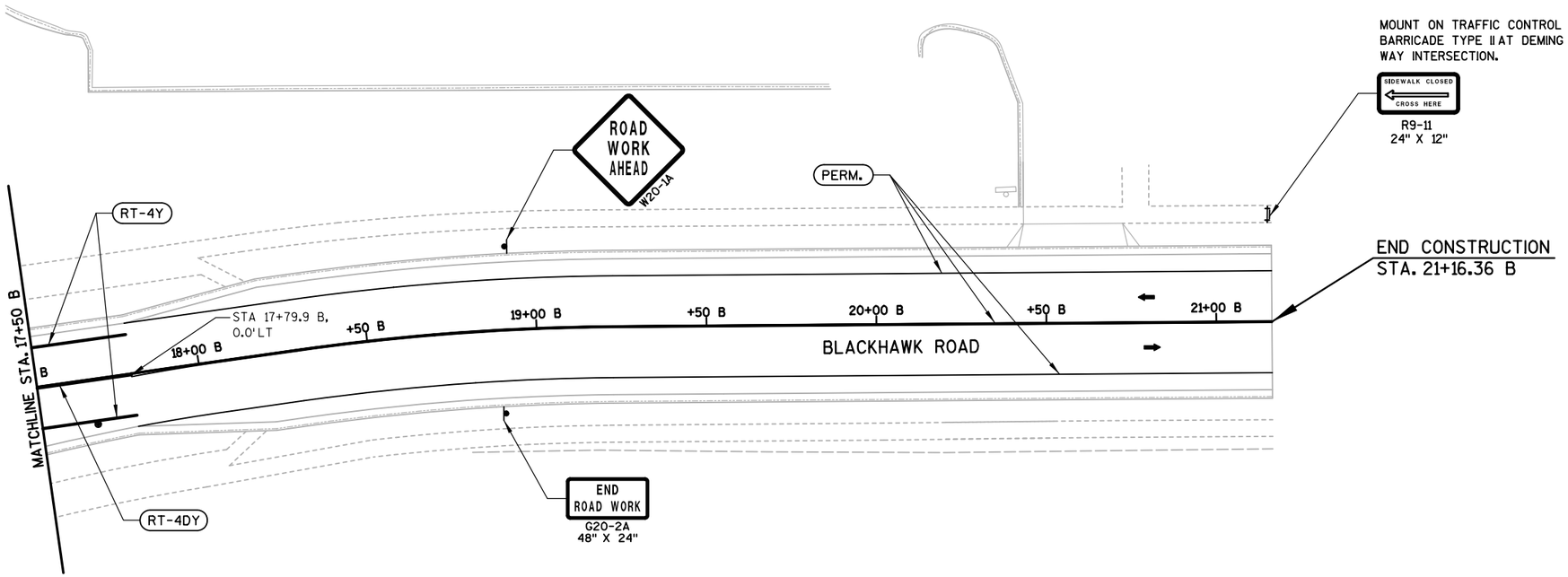
2



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET 416	E

2

N



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET 417	E

2

N

END CONSTRUCTION
STA. 53+38.19 G

ROAD WORK AHEAD
W20-1A

56+00 G
+50 G
55+00 G
+50 G
54+00 G
+50 G
53+00 G
+50 G
52+00 G
+50 G
51+00 G

GREENWAY BLVD

MATCHLINE STA. 51+00 G

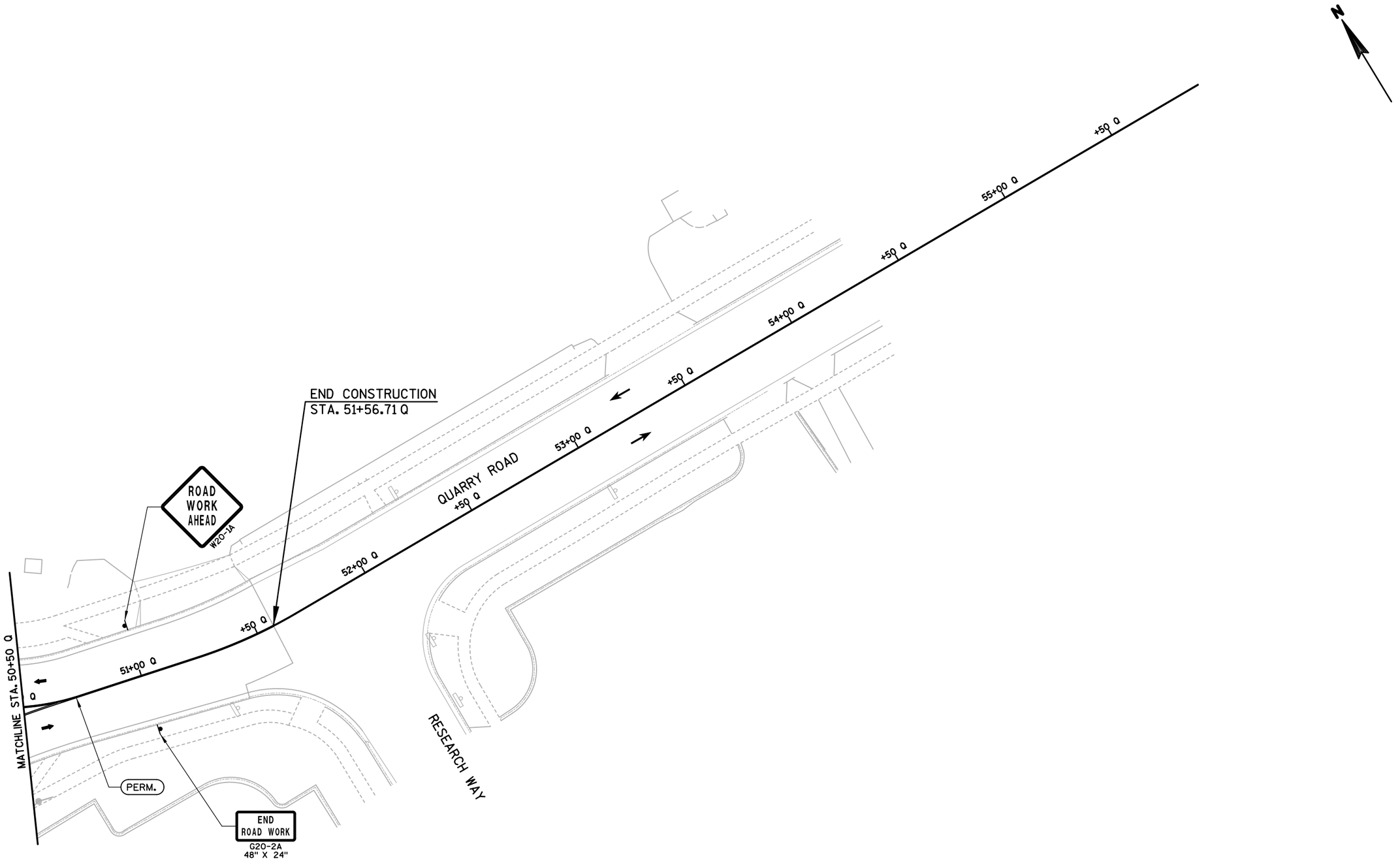
END ROAD WORK
G20-2A
48" X 24"

PERM.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026617_s4.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



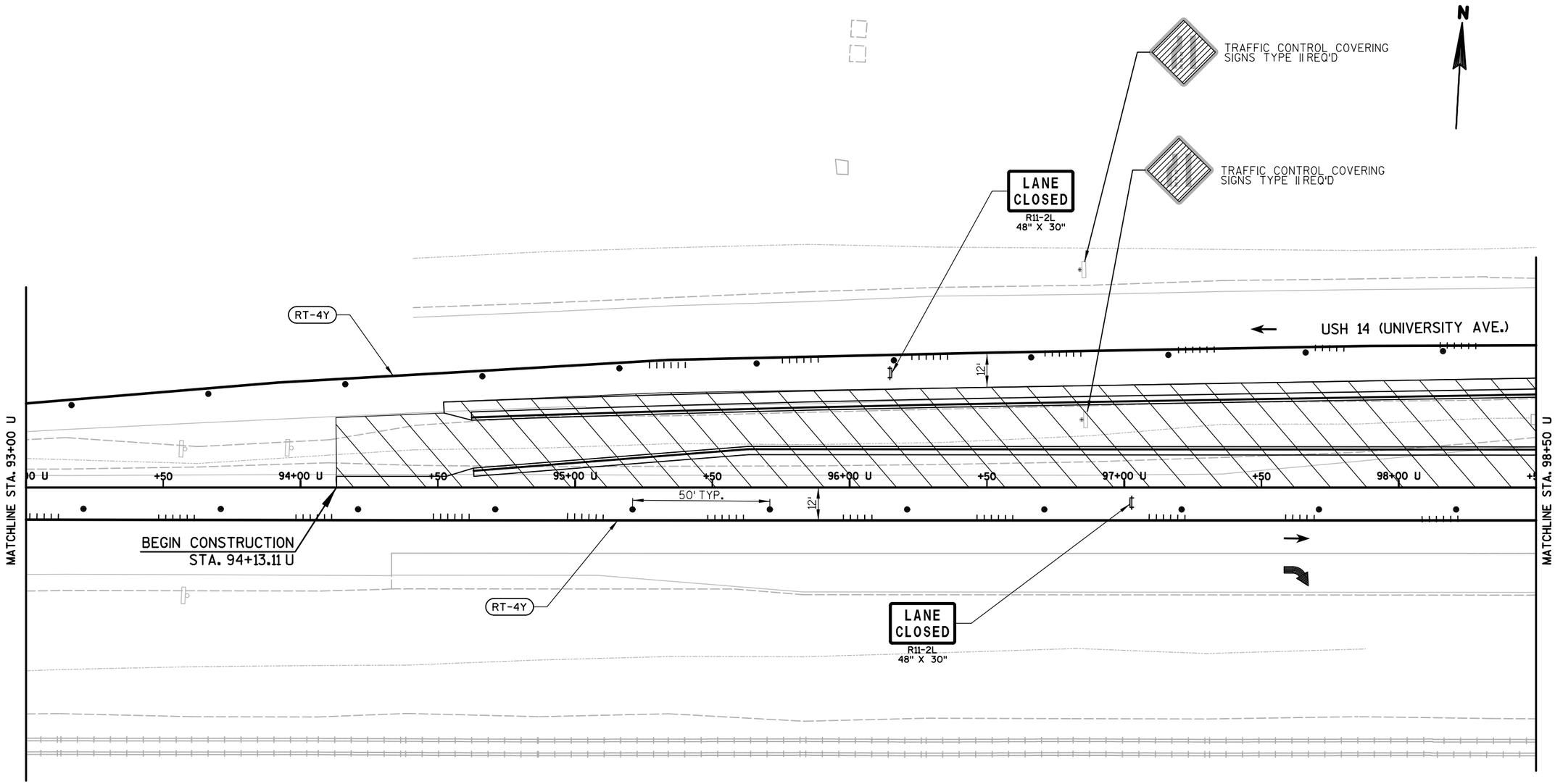
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET 419	E

2



PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET 420	E

2



PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET 421	E

2

N

LANE CLOSED
R11-2L
48" X 30"

RT-4Y

12'

50' TYP.

MATCHLINE STA. 102+00 U

MATCHLINE STA. 107+50 U

00 U | +50 | 103+00 U | +50 | 104+00 U | +50 | 105+00 U | +50 | 106+00 U | +50 | 107+00 U | +5

USH 14 (UNIVERSITY AVE.)

12'

STA. 107+33.3 U, 12.0' RT

RT-4Y

LANE CLOSED
R11-2L
48" X 30"

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET 422	E

2

N

SEE SDD "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY" FOR ADDITIONAL DETAILS

540' MERGING TAPER

RT-4Y

LANE CLOSED
R11-2L
48" X 30"

STA. 110+45.0 U, 50.7' LT

50' TYP.

12'

MATCHLINE STA. 107+50 U

108+00 U

+50

109+00 U

+50

110+00 U

+50

111+00 U

+50

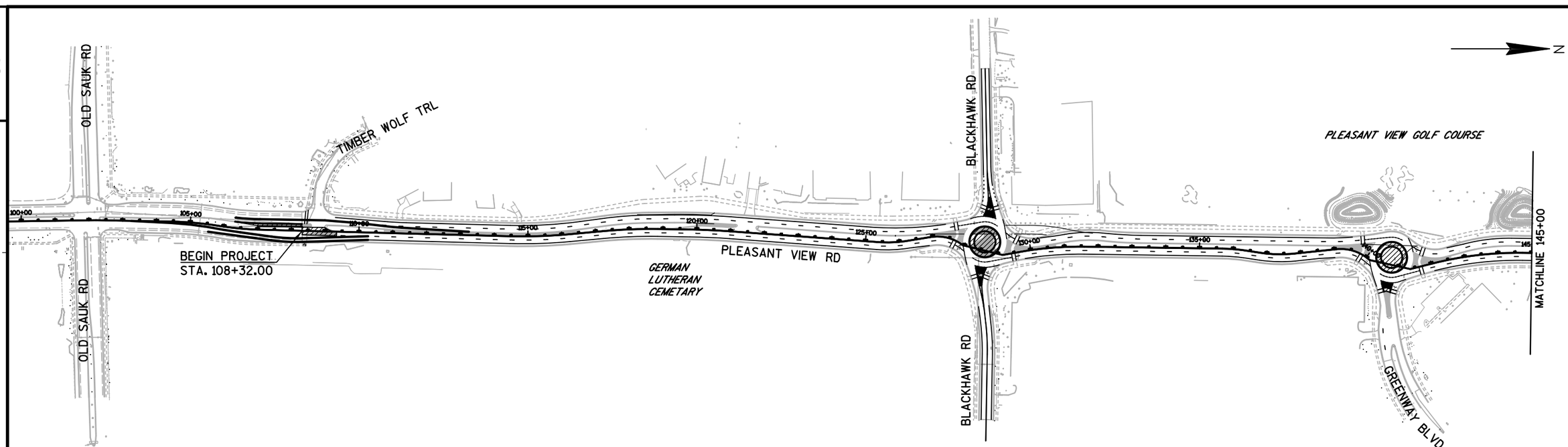
END CONSTRUCTION
STA. 108+25.51 U

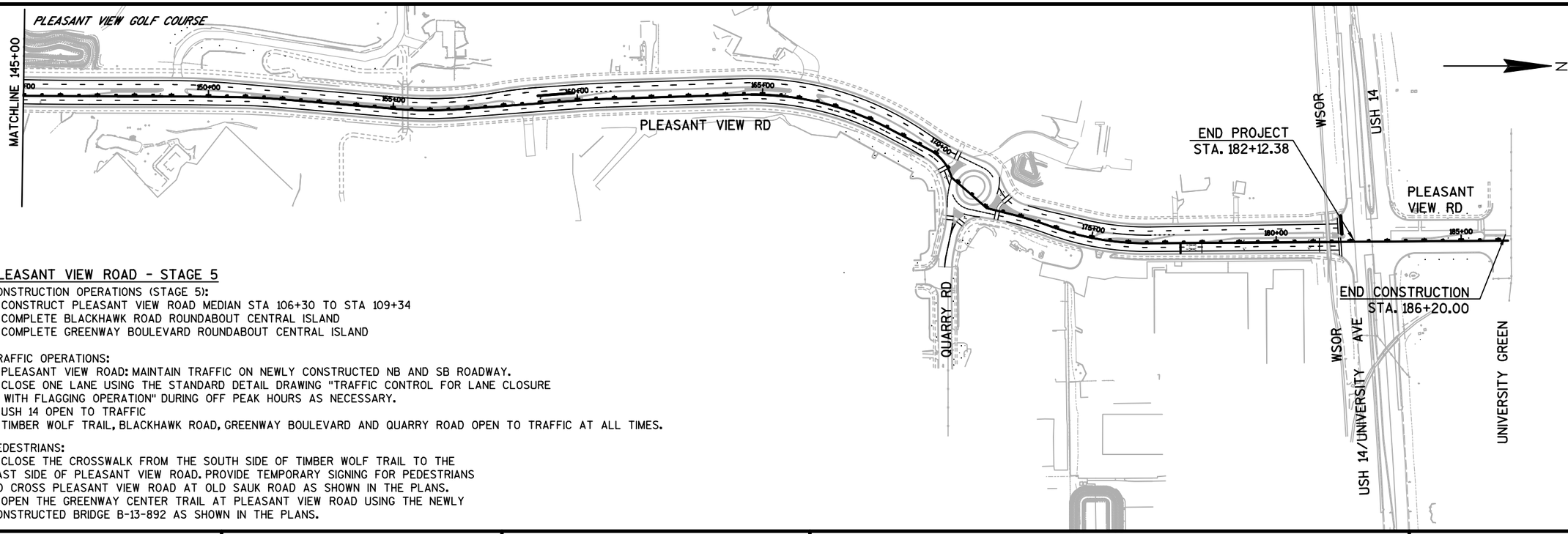
USH 14 (UNIVERSITY AVE.)

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 4	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026624_s4.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42





PLEASANT VIEW ROAD - STAGE 5

CONSTRUCTION OPERATIONS (STAGE 5):
- CONSTRUCT PLEASANT VIEW ROAD MEDIAN STA 106+30 TO STA 109+34
- COMPLETE BLACKHAWK ROAD ROUNDABOUT CENTRAL ISLAND
- COMPLETE GREENWAY BOULEVARD ROUNDABOUT CENTRAL ISLAND

TRAFFIC OPERATIONS:
- PLEASANT VIEW ROAD: MAINTAIN TRAFFIC ON NEWLY CONSTRUCTED NB AND SB ROADWAY.
- CLOSE ONE LANE USING THE STANDARD DETAIL DRAWING "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" DURING OFF PEAK HOURS AS NECESSARY.
- USH 14 OPEN TO TRAFFIC
- TIMBER WOLF TRAIL, BLACKHAWK ROAD, GREENWAY BOULEVARD AND QUARRY ROAD OPEN TO TRAFFIC AT ALL TIMES.

PEDESTRIANS:
- CLOSE THE CROSSWALK FROM THE SOUTH SIDE OF TIMBER WOLF TRAIL TO THE EAST SIDE OF PLEASANT VIEW ROAD. PROVIDE TEMPORARY SIGNING FOR PEDESTRIANS TO CROSS PLEASANT VIEW ROAD AT OLD SAUK ROAD AS SHOWN IN THE PLANS.
- OPEN THE GREENWAY CENTER TRAIL AT PLEASANT VIEW ROAD USING THE NEWLY CONSTRUCTED BRIDGE B-13-892 AS SHOWN IN THE PLANS.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5 OVERVIEW	SHEET 424	E

2

N

OLD SAUK ROAD

PLEASANT VIEW ROAD

+50 97+00 +50 98+00 +50 99+00 +50 100+00 +50 101+00 +50 102

MATCHLINE STA. 102+00

PLEASANT VIEW ROAD

LEFT LANE CLOSED AHEAD W20-5

ROAD WORK 500 FT W20-1D

W04-2L

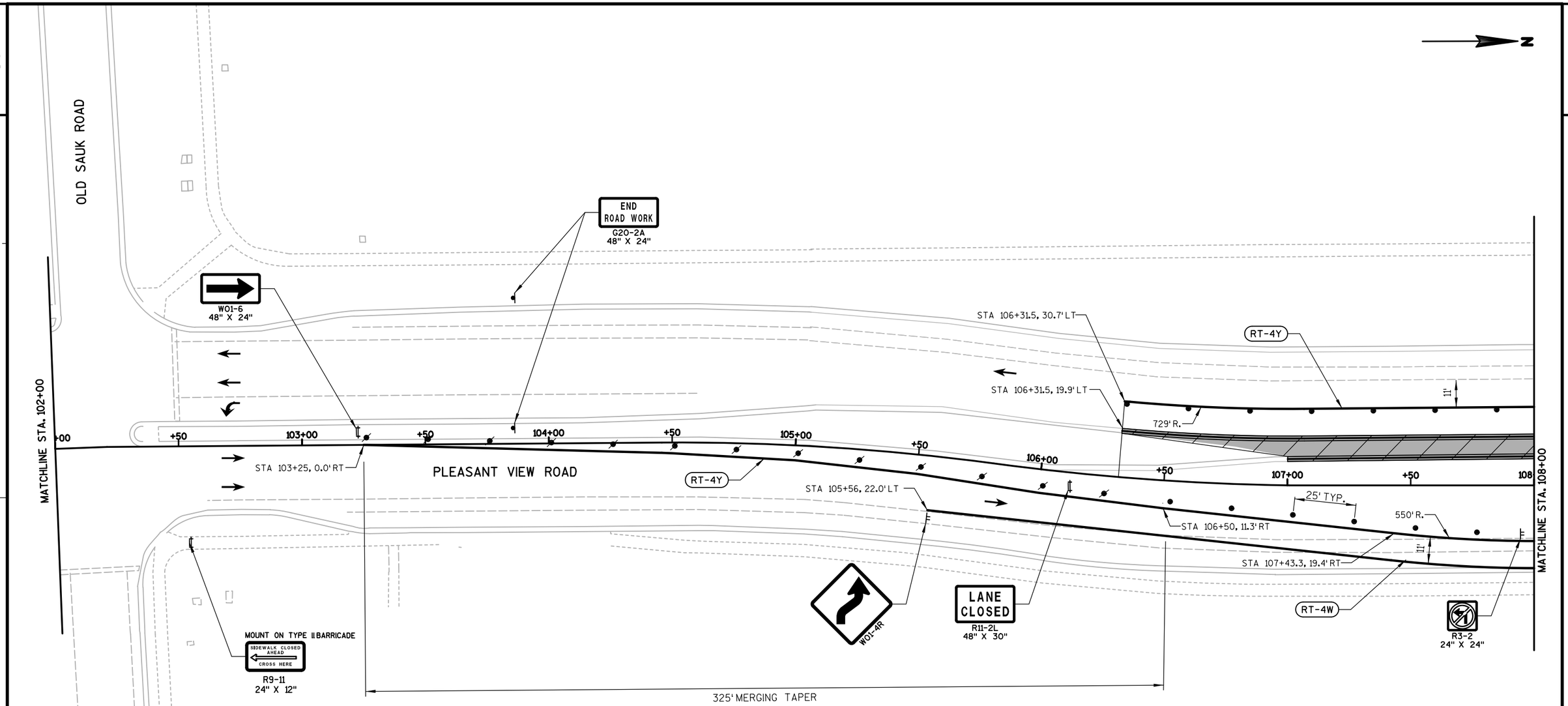
ROAD WORK 250 FT W20-1H

OLD SAUK ROAD

2

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 5	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026700_s5.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 5	SHEET 426 E

2

N

TIMBER WOLF TRAIL

325' MERGING TAPER

R3-2
24" X 24"

SIDEWALK CLOSED
R9-9
24" X 12"

W01-6
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

STA 110+00.00,
27.0' LT

STA 108+98.6,
32.6' LT

RT-4Y

PERM.

STA 113+25.0,
10.0' LT

BEGIN PROJECT
STA. 108+32.00

MATCHLINE STA. 108+00

+00 +50 109+00 +50 110+00 +50 111+00 +50 112+00 +50 113+00 +50 114

MATCHLINE STA. 114+00

PLEASANT VIEW ROAD

550' R.

11'

25' TYP.

RT-4Y

STA 108+32.8,
21.8' RT

RT-4W

STA 110+27.5,
11.0' RT

PERM.

W01-6
48" X 24"

SIDEWALK CLOSED
R9-9
24" X 12"

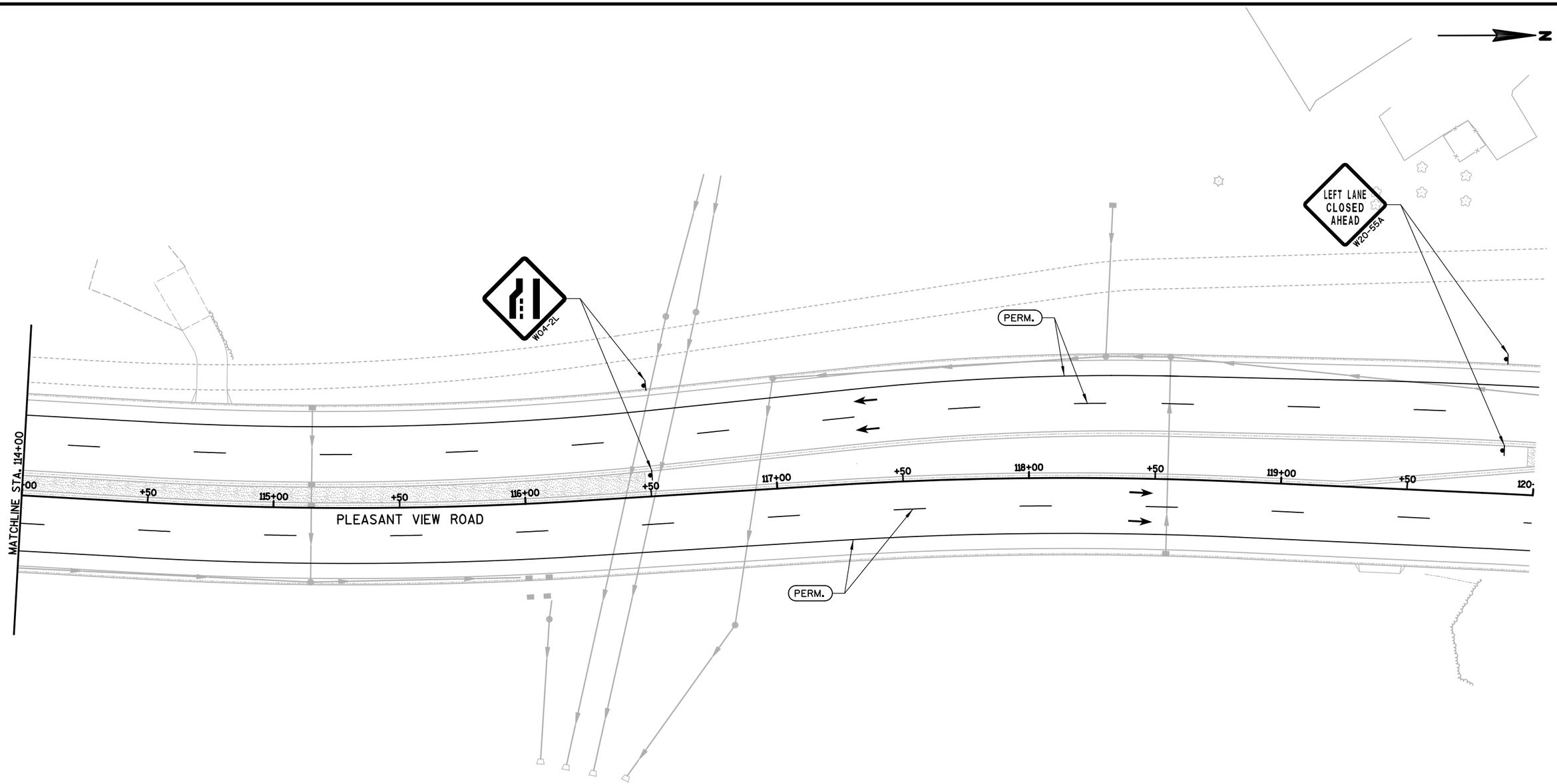
LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 5	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026702_s5.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 5	SHEET 428	E

2

2

N

MATCHLINE STA. 120+00

PLEASANT VIEW ROAD

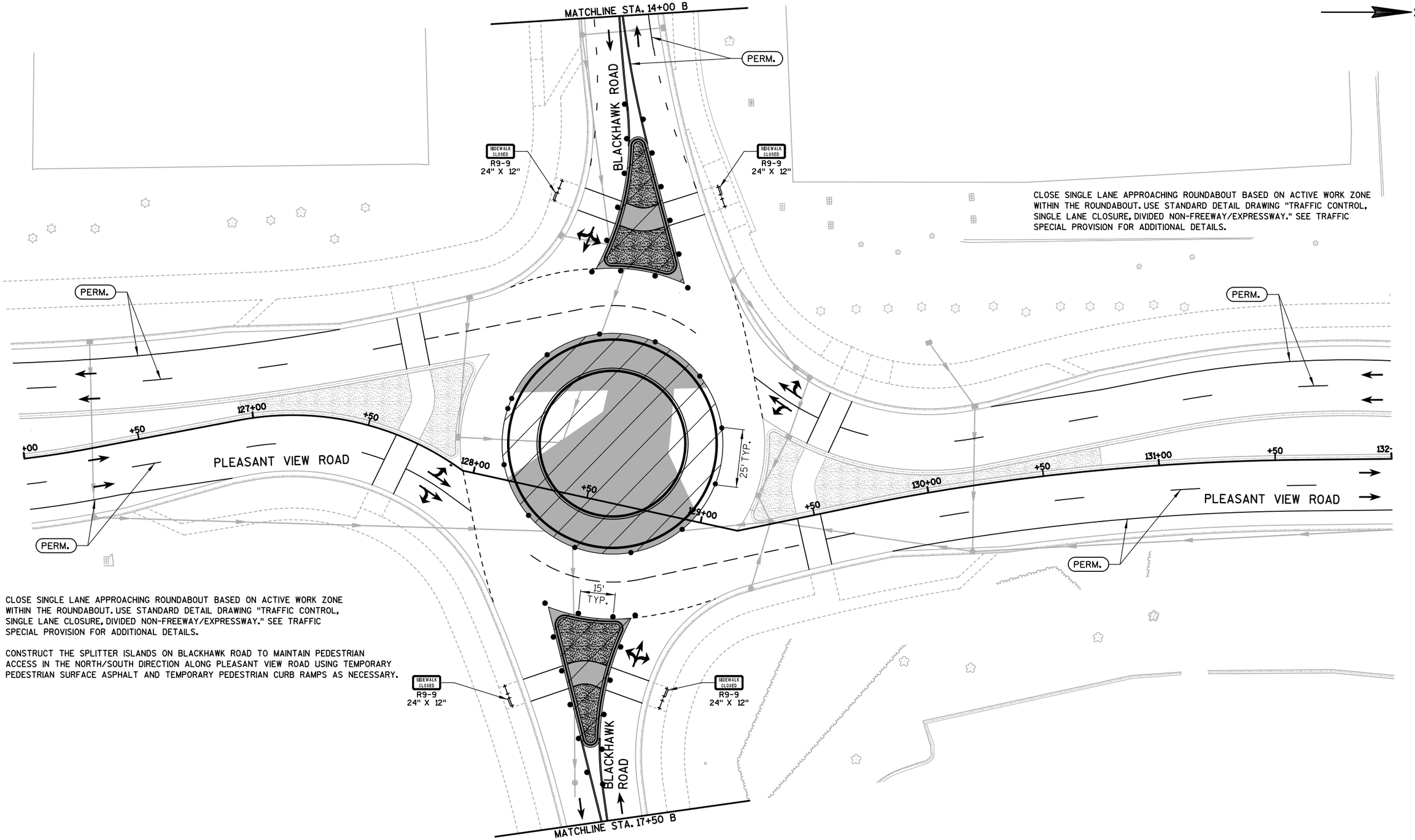
MATCHLINE STA. 126+00

+00 +50 121+00 +50 122+00 +50 123+00 +50 124+00 +50 125+00 +50 126

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 5	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026704_s5.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



CLOSE SINGLE LANE APPROACHING ROUNDABOUT BASED ON ACTIVE WORK ZONE WITHIN THE ROUNDABOUT. USE STANDARD DETAIL DRAWING "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY." SEE TRAFFIC SPECIAL PROVISION FOR ADDITIONAL DETAILS.

CLOSE SINGLE LANE APPROACHING ROUNDABOUT BASED ON ACTIVE WORK ZONE WITHIN THE ROUNDABOUT. USE STANDARD DETAIL DRAWING "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY." SEE TRAFFIC SPECIAL PROVISION FOR ADDITIONAL DETAILS.

CONSTRUCT THE SPLITTER ISLANDS ON BLACKHAWK ROAD TO MAINTAIN PEDESTRIAN ACCESS IN THE NORTH/SOUTH DIRECTION ALONG PLEASANT VIEW ROAD USING TEMPORARY PEDESTRIAN SURFACE ASPHALT AND TEMPORARY PEDESTRIAN CURB RAMPS AS NECESSARY.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 5	SHEET 430	E

2

N

MATCHLINE STA. 132+00

132+00

+50

133+00

+50

134+00

+50

135+00

+50

136+00

+50

137+00

+50

138

MATCHLINE STA. 138+00

PLEASANT VIEW ROAD

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 5	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026706_s5.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N

CLOSE SINGLE LANE APPROACHING ROUNDABOUT BASED ON ACTIVE WORK ZONE WITHIN THE ROUNDABOUT. USE STANDARD DETAIL DRAWING "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY." SEE TRAFFIC SPECIAL PROVISION FOR ADDITIONAL DETAILS.

PERM.

PERM.

PERM.

PERM.

PLEASANT VIEW ROAD

PLEASANT VIEW ROAD

139+00

+00

+50

140+00

+50

141+00

+50

142+00

+50

143+00

+50

144

25' TYP.

15' TYP.

GREENWAY BLVD

SIDEWALK CLOSED
R9-9
24" X 12"

SIDEWALK CLOSED
R9-9
24" X 12"

MATCHLINE STA. 144+00

MATCHLINE STA. 51+00 G

CLOSE SINGLE LANE APPROACHING ROUNDABOUT BASED ON ACTIVE WORK ZONE WITHIN THE ROUNDABOUT. USE STANDARD DETAIL DRAWING "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY." SEE TRAFFIC SPECIAL PROVISION FOR ADDITIONAL DETAILS.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 5	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026707_s5.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

N

GOLF COURSE ENTRANCE

ROAD WORK 500 FT
W20-1D

PERM.

MATCHLINE STA. 144+00

MATCHLINE STA. 150+00

+00 +50 145+00 +50 146+00 +50 147+00 +50 148+00 +50 149+00 +50 150

PLEASANT VIEW ROAD

PERM.

END ROAD WORK
G20-2A
48" X 24"

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 5	SHEET 433	E

2

2

GOLF COURSE ENTRANCE

ROAD WORK AHEAD W20-1A

PERM.

MATCHLINE STA. 150+00

+00 +50 151+00 +50 152+00 +50 153+00 +50 154+00 +50 155+00 +50 156+

PLEASANT VIEW ROAD

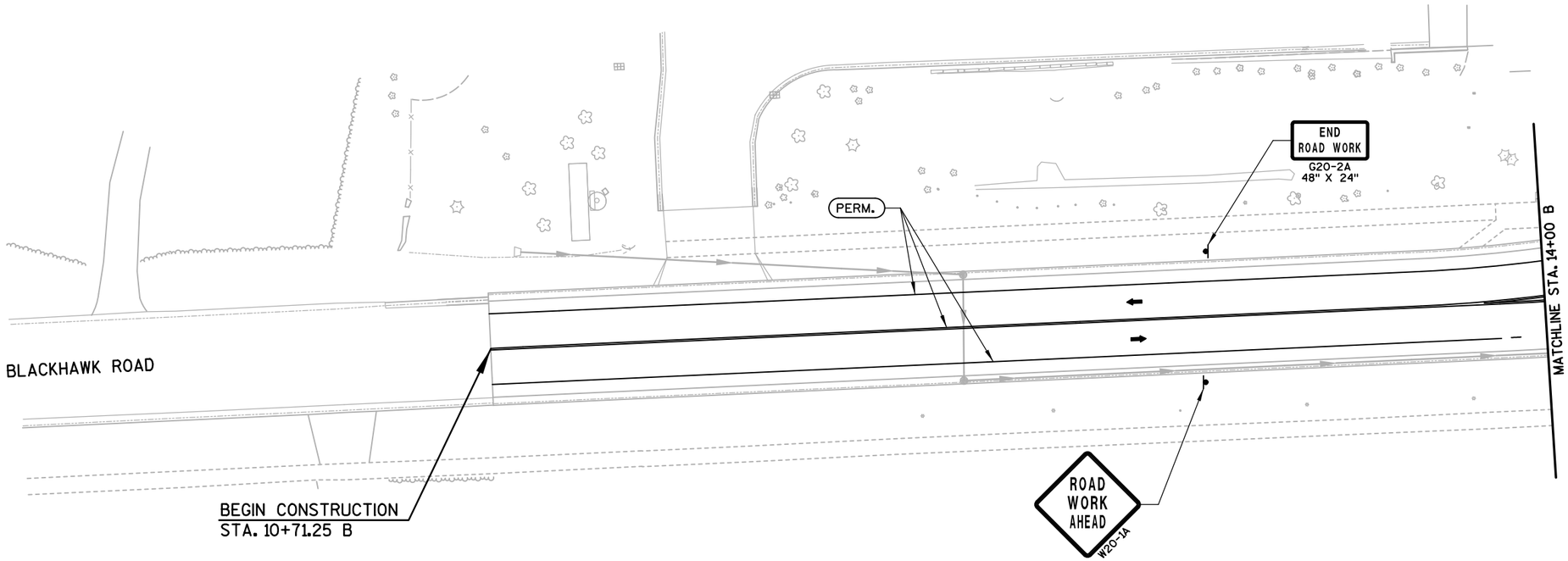
PERM.

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 5	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\026709_s5.dgn PLOT DATE : 4/24/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

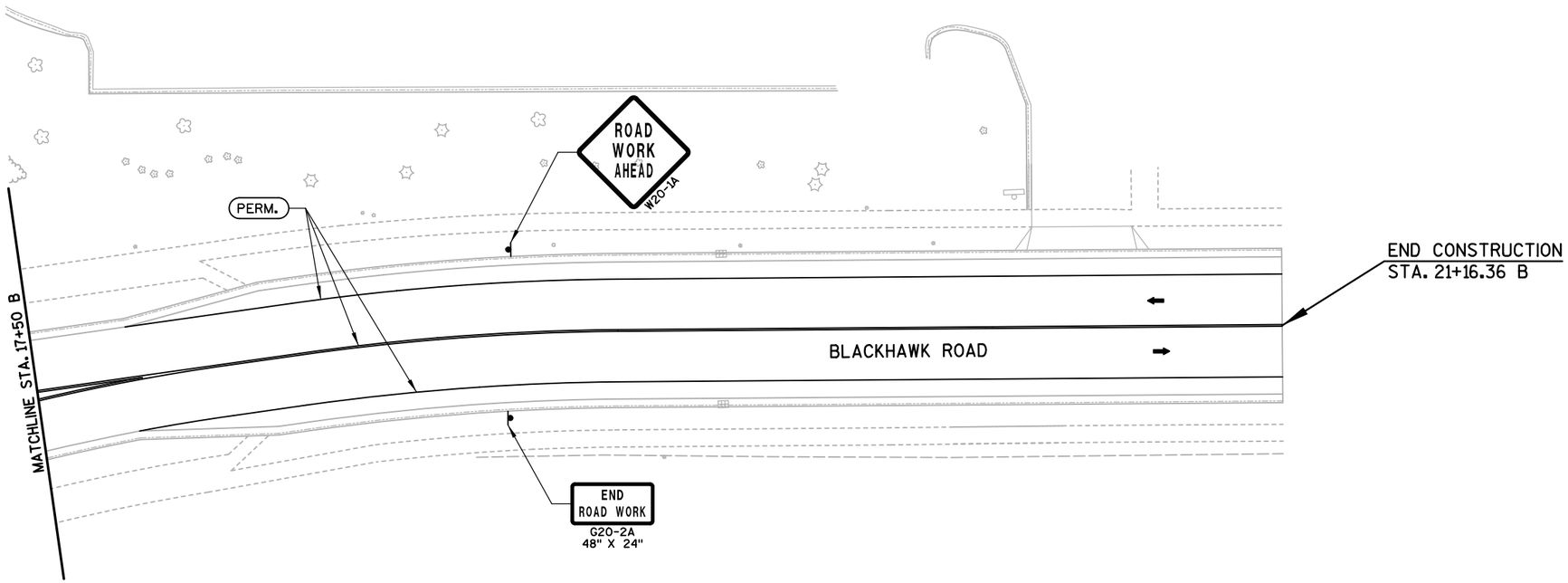
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 5	SHEET 435	E

2

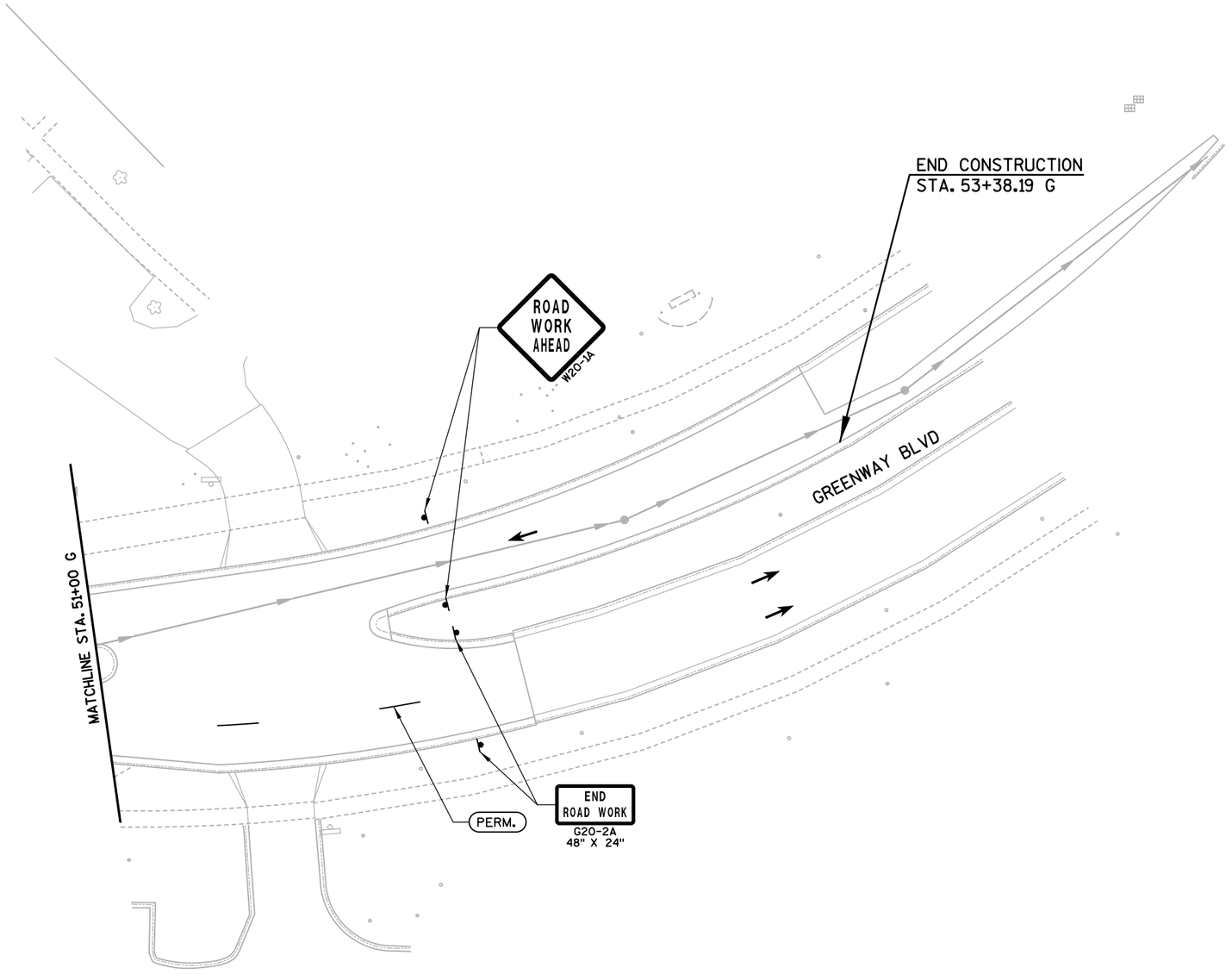
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 5	SHEET 436	E

2

N



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 5	SHEET 437	E

ROAD CLOSURE

DETOUR ROUTE

Ⓐ DETOUR AHEAD W20-2

Ⓑ ROAD CLOSED AHEAD W20-3

Ⓒ ROAD CLOSED 500 FT W20-3

Ⓓ DETOUR M4-9L 30" X 24"

Ⓔ DETOUR M4-9R 30" X 24"

Ⓕ END DETOUR M4-8A 24" X 18"

Ⓖ ROAD CLOSED R11-2 48" X 30"

Ⓗ DETOUR M4-59L 30" X 30"

Ⓘ DETOUR M4-59R 30" X 30"

Ⓙ DETOUR M4-9RA 30" X 24"

Ⓚ DETOUR M4-59(MOD) 30" X 30" *

Ⓛ DETOUR M4-59(MOD) 30" X 30" *

* USE 48" X 48" WHEN SIGN IS LOCATED ALONG USH 12 FREEWAY

Ⓜ PLEASANT VIEW RD 54" X 12"

Ⓝ PLEASANT VIEW RD FIXED MESSAGE SIGN 78" X 18"

ROAD CLOSED TO THRU TRAFFIC R11-4 60" X 30"

ROAD OPEN TO GREENWAY BLVD R10-61 60" X 30"

ROAD OPEN TO QUARRY RD R10-61 60" X 30"

ROAD CLOSED TO THRU TRAFFIC R11-4 60" X 30"

500'

N PLEASANT VIEW RD

PLEASANT VIEW RD

ELDERBERRY RD

BLACKHAWK RD

DEMING WAY

GREENWAY BLVD

HEARTLAND TRL

EXCELSIOR DR

FOURIER DR

JUNCTION RD

JOHN Q HAMMONS DR

BELTLINE HWY/ US HWY 12 & 14

W BELTLINE HWY/US HWY 12 & 14

N HIGH POINT RD

OLD SAUK RD

ESSER POND

WISCONSIN & SOUTHERN RR

US HWY 14

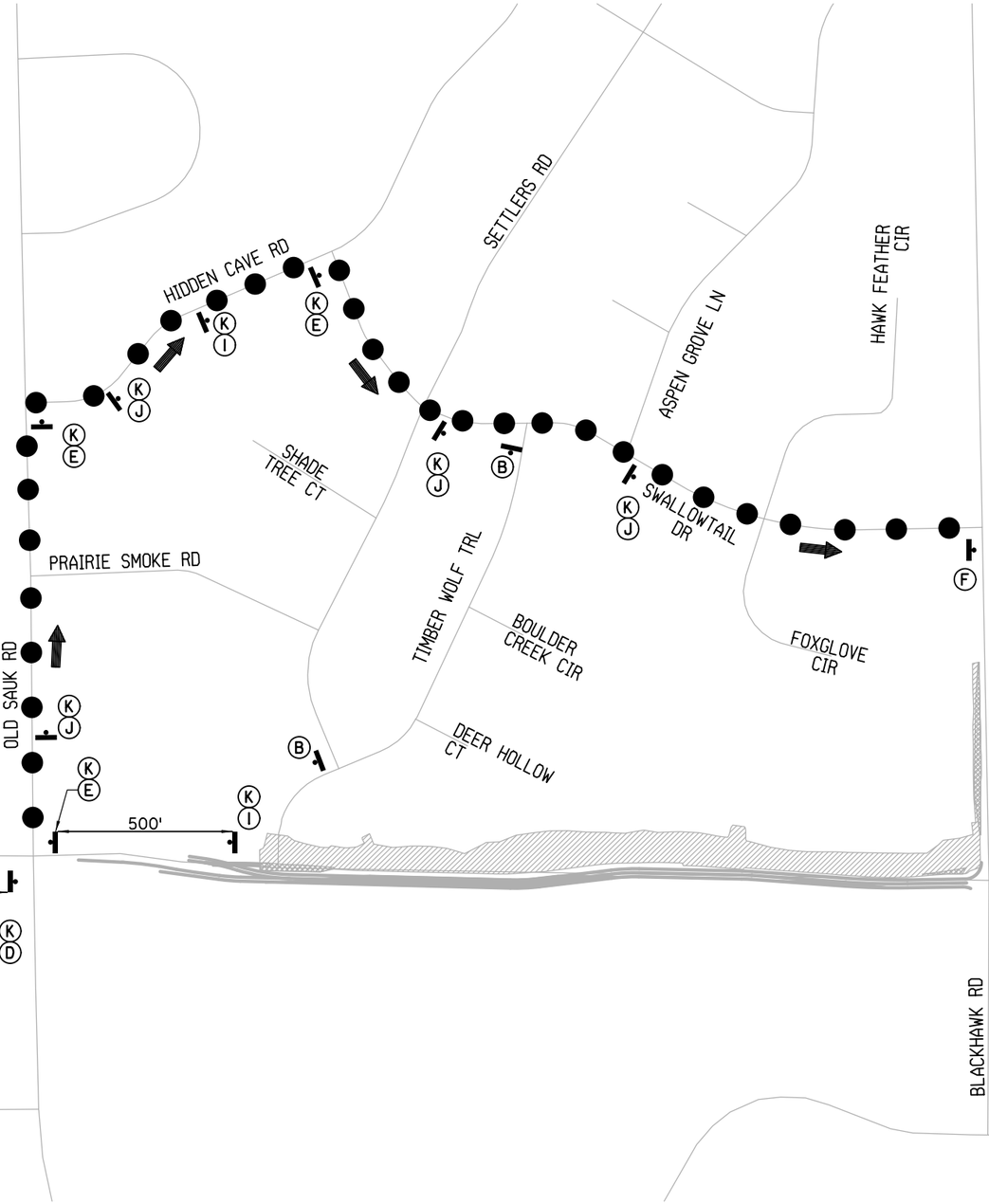
ELMWOOD AVE

PROJECT NO: 5992-11-01	HWY: USH 14	COUNTY: DANE	DETOUR ROUTE	SHEET 438	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\027001_dt.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

WORK ZONE

DETOUR ROUTE



Ⓐ DETOUR AHEAD W20-2

Ⓑ ROAD CLOSED AHEAD W20-3

Ⓒ ROAD CLOSED 500 FT W20-3

Ⓓ DETOUR M4-9L 30" X 24"

Ⓔ DETOUR M4-9R 30" X 24"

Ⓕ END DETOUR M4-8A 24" X 18"

Ⓖ ROAD CLOSED R11-2 48" X 30"

Ⓗ DETOUR M4-59L 30" X 30"

Ⓘ DETOUR M4-59R 30" X 30"

Ⓙ DETOUR M4-59(MOD) 30" X 30"

Ⓚ BLACKHAWK RD(WEST) 60" X 12"

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	DETOUR ROUTE - BLACKHAWK ROAD (WEST) (STAGE 2)	SHEET 439	E

2

WORK ZONE

DETOUR ROUTE

N

SWALLOWTAIL DR

BLACKHAWK RD

N PLEASANT VIEW RD

BLACKHAWK RD

DEMING WAY

GIALAMAS WAY

GREENWAY BLVD

DEMING WAY

RESEARCH WAY

QUARRY RD

500'

500'

500'

500'

500'

500'

500'

300'

300'

500'

USE DETAIL "D" FROM SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES". PLACE "ROAD CLOSED" R11-2 SIGN ON BARRICADE. MAINTAIN LOCAL ACCESS TO DRIVEWAYS.

SEE DETAIL "B" FROM SDD "BARRICADES AND SIGNS FOR ROAD CLOSURES". PLACE "DETOUR" M4-9L SIGN ON BARRICADE.

(A) DETOUR AHEAD W20-2

(B) ROAD CLOSED AHEAD W20-3

(C) ROAD CLOSED 500 FT W20-3

(D) DETOUR M4-9L 30" X 24"

(E) DETOUR M4-9R 30" X 24"

(F) END DETOUR M4-8A 24" X 18"

(G) ROAD CLOSED R11-2 48" X 30"

(H) DETOUR M4-59L 30" X 30"

(I) DETOUR M4-59R 30" X 30"

(J) DETOUR M4-59(MOD) 30" X 30"

(K) GREENWAY BLVD 48" X 12"

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	DETOUR ROUTE - GREENWAY BLVD (STAGE 2)	SHEET 440	E

2

WORK ZONE

DETOUR ROUTE

N

SWALLOWTAIL DR

BLACKHAWK RD

N PLEASANT VIEW RD

DEMING WAY

GIALAMAS WAY

GREENWAY BLVD

RESEARCH WAY

QUARRY RD

500'

300'

USE DETAIL "D" FROM SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES". PLACE "ROAD CLOSED" R11-2 SIGN ON BARRICADE.

A	DETOUR AHEAD W20-2	D	DETOUR M4-9L 30" X 24"	H	DETOUR M4-59L 30" X 30"
B	ROAD CLOSED AHEAD W20-3	E	DETOUR M4-9R 30" X 24"	I	DETOUR M4-59R 30" X 30"
C	ROAD CLOSED 500 FT W20-3	F	END DETOUR M4-8A 24" X 18"	J	DETOUR M4-59(MOD) 30" X 30"
		G	ROAD CLOSED R11-2 48" X 30"	K	BLACKHAWK RD 42" X 12"

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	DETOUR ROUTE - BLACKHAWK ROAD (STAGE 3)	SHEET 441	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\027004_dt.dgn PLOT DATE : 4/24/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

WORK ZONE

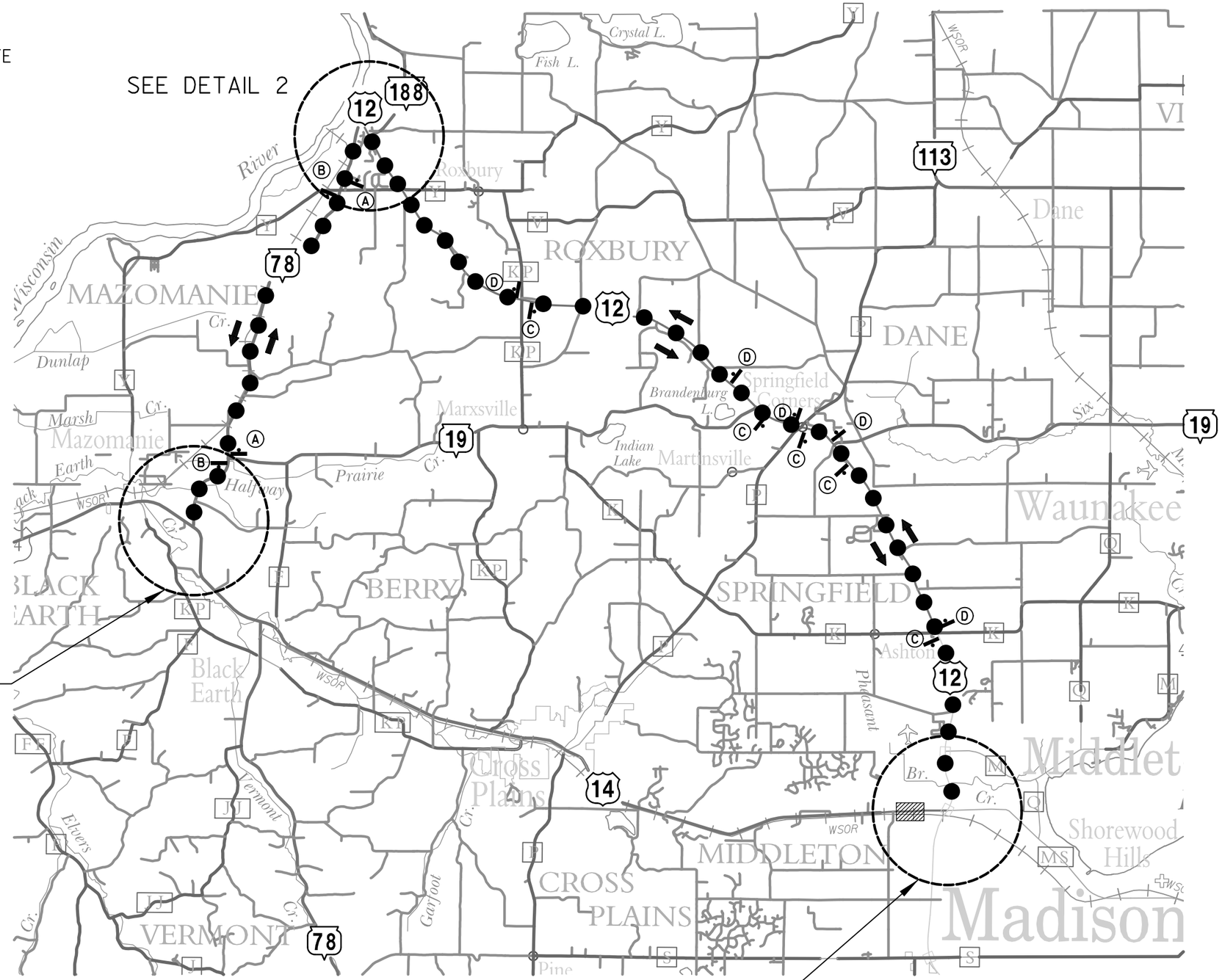
DETOUR ROUTE

Ⓐ
DETOUR EAST 14
M4-8 24" X 12"
M3-2 24" X 12"
M1-4 24" X 24"

Ⓑ
DETOUR WEST 14
M4-8 24" X 12"
M3-4 24" X 12"
M1-4 24" X 24"

Ⓒ
DETOUR EAST 14
M4-8 36" X 18"
M3-2 36" X 18"
M1-4 36" X 36"

Ⓓ
DETOUR WEST 14
M4-8 36" X 18"
M3-4 36" X 18"
M1-4 36" X 36"



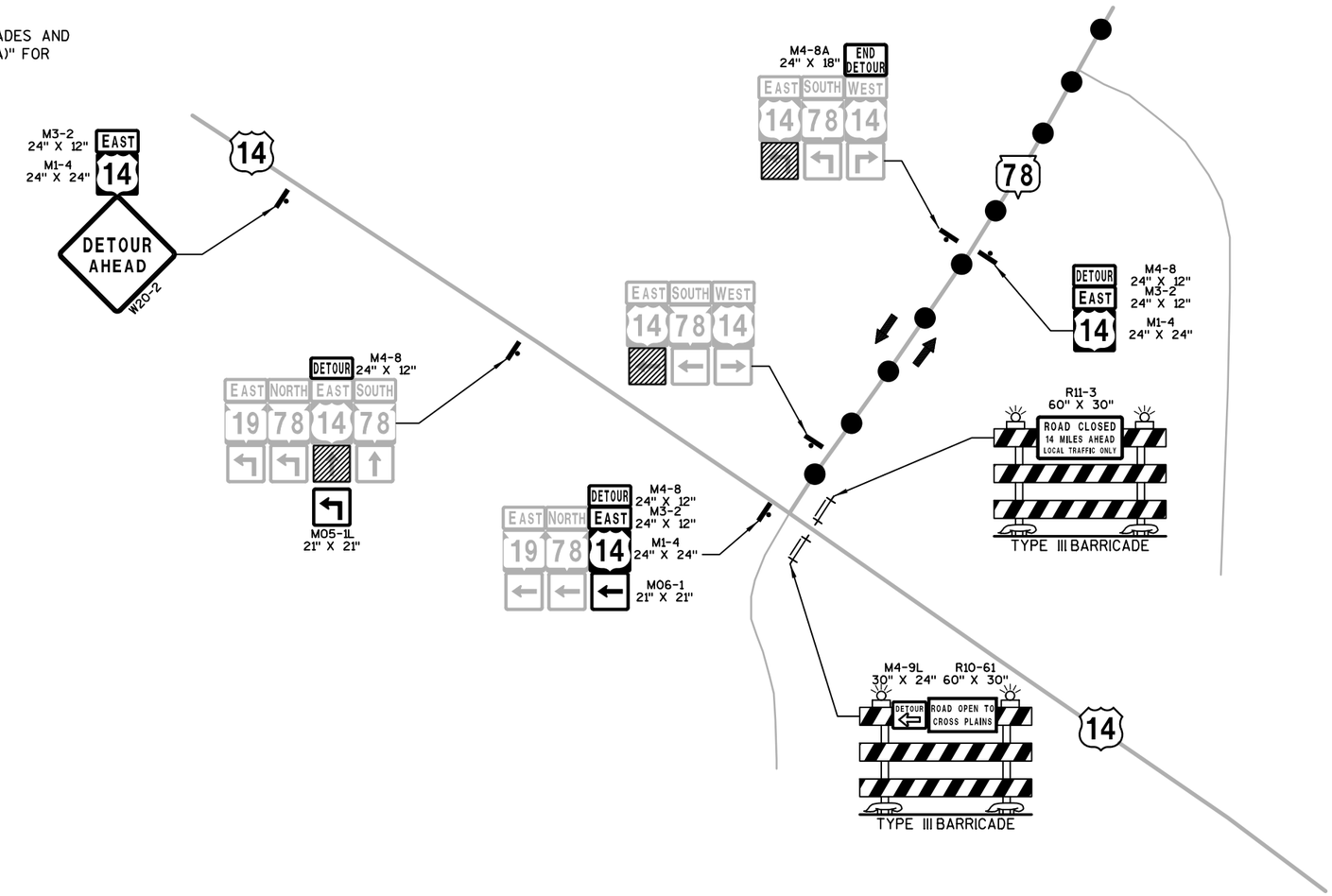
PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	DETOUR ROUTE	SHEET 442	E

2

● ● ● ● DETOUR ROUTE

▨ TRAFFIC CONTROL COVERING SIGNS TYPE II

SEE STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR MAINLINE CLOSURES (DETAIL A)" FOR ADDITIONAL INFORMATION.

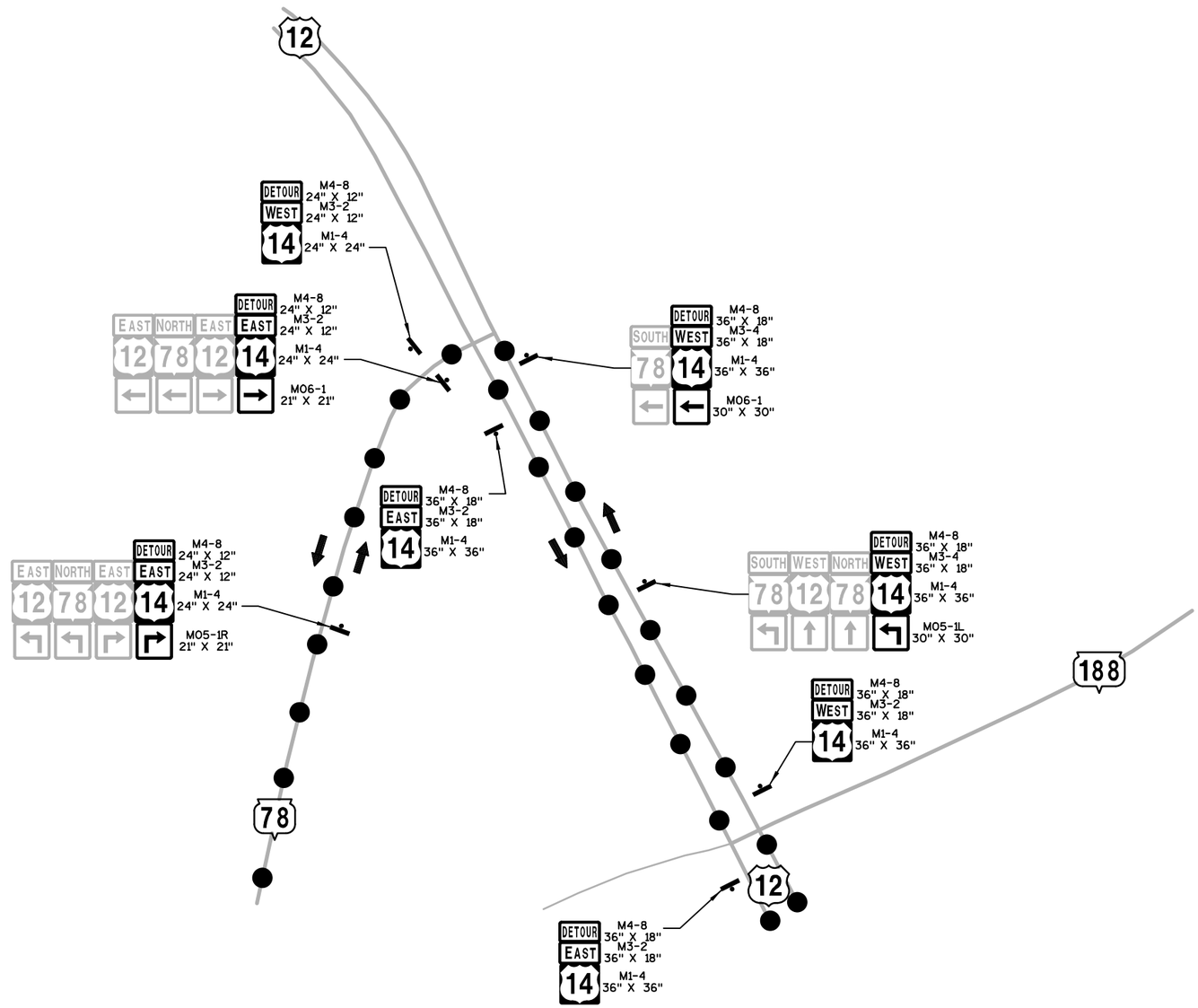


PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	DETOUR ROUTE - DETAIL 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\027006_dt.dgn PLOT DATE : 1/30/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

● ● ● ● DETOUR ROUTE

SEE STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR ADDITIONAL INFORMATION.



PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	DETOUR ROUTE - DETAIL 2	SHEET 444	E

2

2

DETOUR ROUTE

TRAFFIC CONTROL COVERING SIGNS TYPE

SEE STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR ADDITIONAL INFORMATION.

N

TYPE I — EXIT 251A — ½ MILE — EXIT ↓ ONLY

EAST 14 M3-4 36" X 18" / M1-4 36" X 36" / M06-1 30" X 30"

DETOUR WEST 14 M4-8 36" X 18" / M3-4 36" X 18" / M1-4 36" X 36"

TYPE I — EXIT 251A — EXIT ↗ ONLY

TYPE II

TYPE II — EAST 12 EAST 14

SEE STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" DETAIL D TO CLOSE USH 14 WB TO TRAFFIC.

University Ave UW Madison

TYPE II

TYPE II

TYPE II

EAGLE DR.

TYPE II

14

PLEASANT VIEW RD.

SEE STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" DETAIL D TO CLOSE USH 14 EB TO TRAFFIC.

DEMING WAY

R11-3 60" X 30" — ROAD CLOSED 3/4 MILES AHEAD LOCAL TRAFFIC ONLY

TYPE III BARRICADE

M4-8A 30" X 24" END DETOUR — EAST 12 EAST 14 COUNTY M

14 M1-4 36" X 36" — DETOUR AHEAD W20-2

14 12

TYPE I — EXIT 251A — ¼ MILE — EXIT ↓ ONLY

TYPE I — EXIT 251A — ½ MILE

TYPE I — EXIT 251A — EXIT ↗ ONLY

DETOUR WEST 14 M4-8 36" X 18" / M3-4 36" X 18" / M1-4 36" X 36" / M06-1 30" X 30"

TYPE II

TYPE I — EXIT 251A

TYPE II — University Ave

DETOUR WEST 14 M4-8 24" X 12" / M3-4 24" X 12" / M1-4 24" X 24" / M06-1 21" X 21"

WEST 12

WEST 12

JCT 12 14

UNIVERSITY AVE.

14 M1-4 24" X 24" — DETOUR AHEAD W20-2

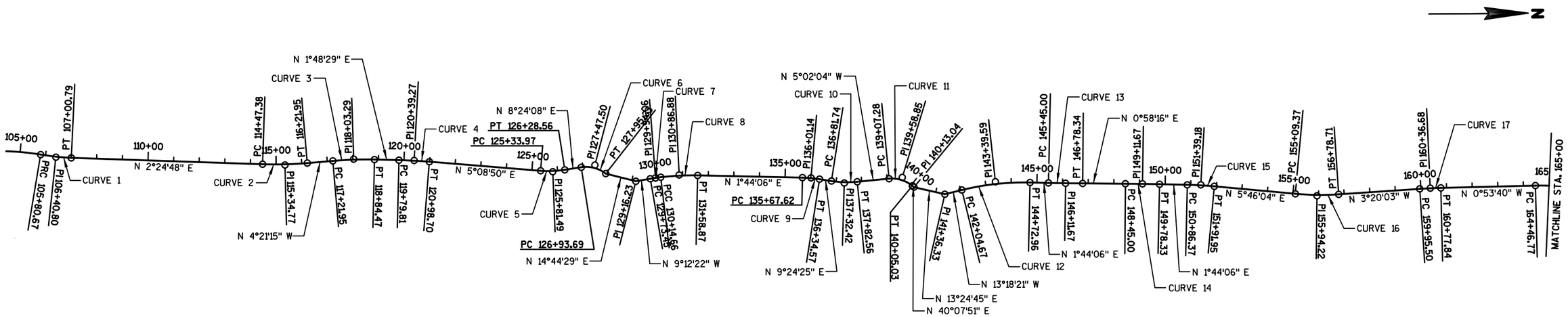
DETOUR WEST 14 M4-8 24" X 12" / M3-4 24" X 12" / M1-4 24" X 24" / M05-1R 21" X 21"

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	DETOUR ROUTE - DETAIL 3	SHEET 445	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\027008_dt.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

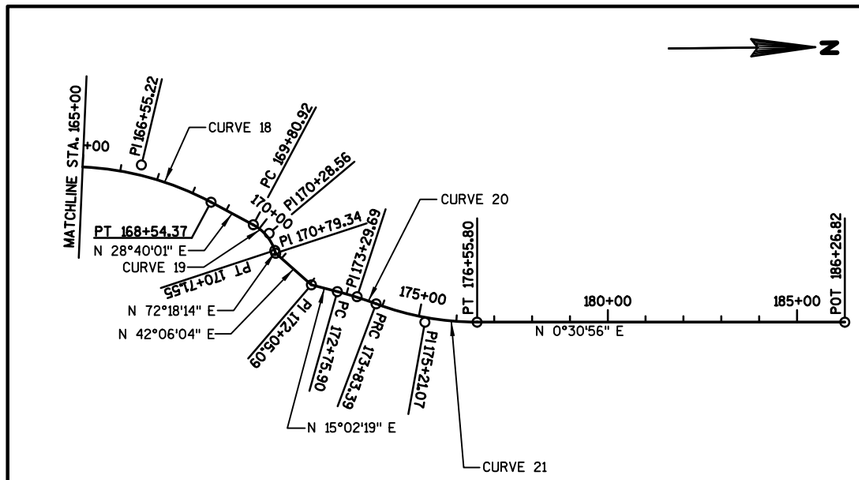
2

CURVE 1	CURVE 2	CURVE 3	CURVE 4	CURVE 5	CURVE 6	P.I. = 129+16.23 Y = 485,590.16 X = 780,462.82	CURVE 7	CURVE 8	CURVE 9	CURVE 10	CURVE 11	P.I. = 140+13.04 Y = 486,674.78 X = 780,495.67	CURVE 12
P.I. = 106+40.80	P.I. = 115+34.77	P.I. = 118+03.29	P.I. = 120+39.27	P.I. = 125+81.49	P.I. = 127+47.50		P.I. = 129+94.06	P.I. = 130+86.88	P.I. = 136+01.14	P.I. = 137+32.42	P.I. = 139+58.85		P.I. = 143+39.59
Y = 483,329.06	Y = 484,222.33	Y = 484,490.28	Y = 484,726.31	Y = 485,266.37	Y = 485,431.04		Y = 485,666.99	Y = 485,759.25	Y = 486,273.51	Y = 486,403.12	Y = 486,629.21		Y = 486,992.51
X = 780,348.64	X = 780,387.14	X = 780,366.74	X = 780,374.19	X = 780,422.84	X = 780,398.52		X = 780,450.37	X = 780,440.13	X = 780,455.70	X = 780,477.18	X = 780,457.26		X = 780,477.48
DELTA = 6°49'55" (LT)	DELTA = 6°46'03" (LT)	DELTA = 6°09'44" (RT)	DELTA = 3°20'21" (RT)	DELTA = 13°32'58" (LT)	DELTA = 46°55'16" (RT)		DELTA = 2° 52' 21"	DELTA = 8°4'7"	DELTA = 7°40'19" (RT)	DELTA = 14°26'29" (LT)	DELTA = 45°09'54" (RT)		DELTA = 15°02'27" (RT)
D = 5°41'16"	D = 3°52'36"	D = 3°47'31"	D = 2°48'31"	D = 14°19'26"	D = 46°12'23"		D = 6° 58' 13"	D = 5°35'43"	D = 11°27'33"	D = 14°19'26"	D = 46°12'23"		D = 5°36'22"
T = 60.13'	T = 87.39'	T = 81.33'	T = 59.46'	T = 47.52'	T = 53.82'		T = 20.61'	T = 72.22'	T = 33.53'	T = 50.68'	T = 51.57'		T = 134.92'
L = 120.11'	L = 174.57'	L = 162.51'	L = 118.89'	L = 94.59'	L = 101.55'		L = 41.21'	L = 144.20'	L = 66.95'	L = 100.82'	L = 97.75'		L = 268.29'
R = 1,007.33'	R = 1,478.00'	R = 1,511.00'	R = 2,040.00'	R = 400.00'	R = 124.00'		R = 822.00'	R = 1024.00'	R = 500.00'	R = 400.00'	R = 124.00'		R = 1,022.00'
P.C. = 105+80.67	P.C. = 114+47.38	P.C. = 117+21.95	P.C. = 119+79.81	P.C. = 125+33.97	P.C. = 126+93.69		P.C. = 129+73.45	P.C. = 130+14.66	P.C. = 135+67.62	P.C. = 136+81.74	P.C. = 139+07.28		P.C. = 142+04.67
Y = 483,269.86	Y = 484,135.02	Y = 484,409.18	Y = 484,666.88	Y = 485,219.04	Y = 485,377.80		Y = 485,646.64	Y = 485,687.47	Y = 486,240.00	Y = 486,353.13	Y = 486,577.84		Y = 486,861.21
X = 780,338.13	X = 780,383.46	X = 780,372.92	X = 780,372.32	X = 780,418.58	X = 780,406.38		X = 780,453.66	X = 780,448.09	X = 780,454.69	X = 780,468.89	X = 780,461.78		X = 780,508.53
P.T. = 107+00.79	P.T. = 116+21.95	P.T. = 118+84.47	P.T. = 120+98.70	P.T. = 126+28.56	P.T. = 127+95.23		P.T. = 130+14.66	P.T. = 131+58.87	P.T. = 136+34.57	P.T. = 137+32.42	P.T. = 139+58.85		P.T. = 144+72.96
Y = 483,389.09	Y = 484,309.47	Y = 484,571.58	Y = 484,785.53	Y = 485,313.38	Y = 485,473.14		Y = 485,687.47	Y = 485,831.44	Y = 486,306.59	Y = 486,453.60	Y = 486,668.65		Y = 487,127.36
X = 780,352.03	X = 780,380.51	X = 780,369.31	X = 780,379.53	X = 780,415.90	X = 780,432.03		X = 780,448.09	X = 780,442.31	X = 780,461.18	X = 780,472.73	X = 780,490.50		X = 780,481.57



CURVE 13	CURVE 14
P.I. = 146+11.67	P.I. = 149+11.67
Y = 487,266.01	Y = 487,565.96
X = 780,485.77	X = 780,490.85
DELTA = 0°45'50" (LT)	DELTA = 0°45'50" (RT)
D = 0° 34' 23"	D = 0° 34' 23"
T = 66.67'	T = 66.67'
L = 133.34'	L = 133.34'
R = 10,000.00'	R = 10,000.00'
P.C. = 145+45.00	P.C. = 148+45.00
Y = 487,199.37	Y = 487,499.30
X = 780,483.75	X = 780,489.72
P.T. = 146+78.34	P.T. = 149+78.33
Y = 487,332.67	Y = 487,632.60
X = 780,486.90	X = 780,492.87

CURVE 15	CURVE 16	CURVE 17	CURVE 18	CURVE 19	P.I. = 170+79.29 Y = 489,659.28 X = 780,744.43 P.I. = 172+05.09 Y = 489,752.57 X = 780,828.73	CURVE 20	CURVE 21
P.I. = 151+39.18	P.I. = 155+94.22	P.I. = 160+36.68	P.I. = 166+55.22	P.I. = 170+28.56		P.I. = 173+29.69	P.I. = 175+21.07
Y = 487,793.38	Y = 488,246.16	Y = 488,688.22	Y = 489,306.70	Y = 489,642.42		Y = 489,872.91	Y = 490,051.61
X = 780,497.74	X = 780,543.47	X = 780,517.72	X = 780,508.06	X = 780,691.62		X = 780,861.06	X = 780,929.85
DELTA = 4°01'58" (RT)	DELTA = 9°06'07" (LT)	DELTA = 2°26'23" (RT)	DELTA = 29°33'42" (RT)	DELTA = 43°38'13" (RT)		DELTA = 6°00'51" (RT)	DELTA = 20°32'14" (LT)
D = 3°49'11"	D = 5°22'29"	D = 2°57'45"	D = 7°15'09"	D = 48°08'52"		D = 5°35'43"	D = 7°32'20"
T = 52.81'	T = 84.85'	T = 41.18'	T = 208.44'	T = 47.64'		T = 53.79'	T = 137.69'
L = 105.58'	L = 169.34'	L = 82.35'	L = 407.60'	L = 90.63'		L = 107.49'	L = 272.42'
R = 1,500.00'	R = 1,066.00'	R = 1,934.00'	R = 790.00'	R = 119.00'		R = 1,024.00'	R = 760.00'
P.C. = 150+86.37	P.C. = 155+09.37	P.C. = 159+95.50	P.C. = 164+46.77	P.C. = 169+80.92		P.C. = 172+75.90	P.C. = 173+83.39
Y = 487,740.59	Y = 488,161.74	Y = 488,647.11	Y = 489,098.28	Y = 489,600.62		Y = 489,820.96	Y = 489,923.11
X = 780,496.14	X = 780,534.95	X = 780,520.11	X = 780,511.32	X = 780,668.76		X = 780,847.11	X = 780,880.39
P.T. = 151+91.95	P.T. = 156+78.71	P.T. = 160+77.84	P.T. = 168+54.37	P.T. = 170+71.55		P.T. = 173+83.39	P.T. = 176+55.80
Y = 487,845.92	Y = 488,330.86	Y = 488,729.39	Y = 489,489.59	Y = 489,656.91		Y = 489,923.11	Y = 490,189.29
X = 780,503.05	X = 780,538.54	X = 780,517.08	X = 780,608.06	X = 780,737.00		X = 780,880.39	X = 780,931.09



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	ALIGNMENT DETAIL - NB ALI	SHEET 446	E

CURVE 1
P.I. = 106+47.01 SB
Y = 483,336.24
X = 780,330.31
DELTA = 8°32'56" (LT)
D = 6°21'58"
T = 67.27'
L = 134.28'
R = 900.00'
P.C. = 105+79.74 SB
Y = 483,270.09
X = 780,318.10
P.T. = 107+14.03 SB
Y = 483,403.47
X = 780,332.56

P.I. = 108+54.24 SB
Y = 483,543.61
X = 780,337.23

P.I. = 109+03.65 SB
Y = 483,592.82
X = 780,341.60

P.I. = 109+47.04 SB
Y = 483,636.17
X = 780,343.42

CURVE 2
P.I. = 111+10.92 SB
Y = 483,799.28
X = 780,359.31
DELTA = 3°08'53" (LT)
D = 5°34'44"
T = 28.22'
L = 56.43'
R = 1,027.00'
P.C. = 110+82.70 SB
Y = 483,771.19
X = 780,356.57
P.T. = 111+39.13 SB
Y = 483,827.48
X = 780,360.49

CURVE 3
P.I. = 115+51.81 SB
Y = 484,239.79
X = 780,377.87
DELTA = 9°12'01" (LT)
D = 4°24'51"
T = 104.44'
L = 208.43'
R = 1,298.00'
P.C. = 114+47.37 SB
Y = 484,135.44
X = 780,373.47
P.T. = 116+55.80 SB
Y = 484,343.49
X = 780,365.53

CURVE 4
P.I. = 117+94.80 SB
Y = 484,481.52
X = 780,349.10
DELTA = 7°18'49" (RT)
D = 5°43'05"
T = 64.04'
L = 127.90'
R = 1,002.00'
P.C. = 117+30.76 SB
Y = 484,417.93
X = 780,356.67
P.T. = 118+58.66 SB
Y = 484,545.56
X = 780,349.69

CURVE 5
P.I. = 120+17.71 SB
Y = 484,704.60
X = 780,351.15
DELTA = 4°37'14" (RT)
D = 2°46'48"
T = 83.15'
L = 166.20'
R = 2,061.00'
P.C. = 119+34.56 SB
Y = 484,621.45
X = 780,350.39
P.T. = 121+00.77 SB
Y = 484,787.41
X = 780,358.61

CURVE 6
P.I. = 126+31.72 SB
Y = 485,316.22
X = 780,406.24
DELTA = 13°07' 8" (LT)
D = 5°36' 22"
T = 117.52'
L = 234.01'
R = 1,022.00'
P.C. = 125+14.20 SB
Y = 485,199.18
X = 780,395.70
P.T. = 127+48.21 SB
Y = 485,432.60
X = 780,389.95

P.I. = 128+02.92 SB
Y = 485,486.79
X = 780,382.36

CURVE 7
P.I. = 129+76.60 SB
Y = 485,645.07
X = 780,447.04
DELTA = 46°19'23" (LT)
D = 46°12'23"
T = 53.05'
L = 100.25'
R = 124.00'
P.C. = 129+23.56 SB
Y = 485,603.00
X = 780,414.73
P.T. = 130+23.81 SB
Y = 485,697.50
X = 780,438.91

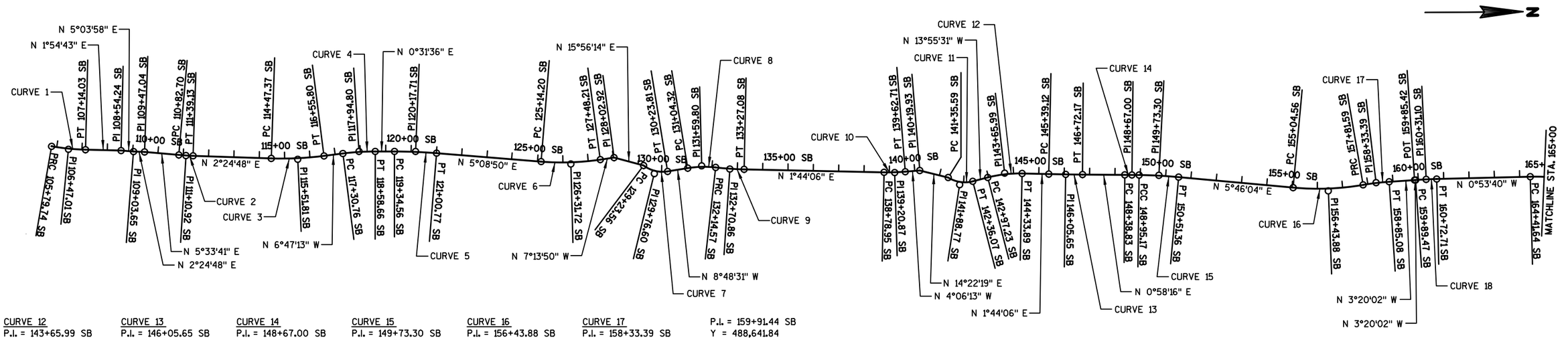
CURVE 8
P.I. = 131+59.80 SB
Y = 485,831.88
X = 780,418.09
DELTA = 15°47'34" (RT)
D = 14°19'26"
T = 55.48'
L = 110.25'
R = 400.00'
P.C. = 131+04.32 SB
Y = 485,777.06
X = 780,426.58
P.T. = 132+14.57 SB
Y = 485,886.95
X = 780,424.83

CURVE 9
P.I. = 132+70.86 SB
Y = 485,942.82
X = 780,431.68
DELTA = 5°14'57" (LT)
D = 4°39'57"
T = 56.29'
L = 112.50'
R = 1,228.00'
P.C. = 132+14.57 SB
Y = 485,886.95
X = 780,424.83
P.T. = 133+27.08 SB
Y = 485,999.09
X = 780,433.38

CURVE 10
P.I. = 139+20.87 SB
Y = 486,592.60
X = 780,451.36
DELTA = 5°50'19" (LT)
D = 6°58'13"
T = 41.92'
L = 83.76'
R = 822.00'
P.C. = 138+78.95 SB
Y = 486,550.71
X = 780,450.09
P.T. = 139+62.71 SB
Y = 486,634.41
X = 780,448.36

P.I. = 140+19.93 SB
Y = 486,691.49
X = 780,444.27

CURVE 11
P.I. = 141+88.77 SB
Y = 486,848.38
X = 780,501.55
DELTA = 46°25'44" (LT)
D = 46°12'23"
T = 53.18'
L = 100.48'
R = 124.00'
P.C. = 141+35.59 SB
Y = 486,803.53
X = 780,472.97
P.T. = 142+36.07 SB
Y = 486,900.00
X = 780,488.75



CURVE 12
P.I. = 143+65.99 SB
Y = 487,026.10
X = 780,457.49
DELTA = 15°39'37" (RT)
D = 11°27'33"
T = 68.76'
L = 136.66'
R = 500.00'
P.C. = 142+97.23 SB
Y = 486,959.36
X = 780,474.04
P.T. = 144+33.89 SB
Y = 487,094.83
X = 780,459.57

CURVE 13
P.I. = 146+05.65 SB
Y = 487,266.50
X = 780,464.77
DELTA = 0°45'50" (LT)
D = 0°34'27"
T = 66.53'
L = 133.06'
R = 9,979.00'
P.C. = 145+39.12 SB
Y = 487,200.00
X = 780,462.76
P.T. = 146+72.17 SB
Y = 487,333.02
X = 780,465.90

CURVE 14
P.I. = 148+67.00 SB
Y = 487,527.82
X = 780,469.20
DELTA = 0°19'20" (RT)
D = 0°34'18"
T = 28.17'
L = 56.33'
R = 10,021.00'
P.C. = 148+38.83 SB
Y = 487,499.66
X = 780,468.72
P.T. = 148+96.17 SB
Y = 487,555.98
X = 780,469.84

CURVE 15
P.I. = 149+73.30 SB
Y = 487,634.10
X = 780,471.60
DELTA = 4°28'29" (RT)
D = 2°51'53"
T = 78.14'
L = 156.19'
R = 2,000.00'
P.C. = 148+95.17 SB
Y = 487,555.98
X = 780,469.84
P.T. = 150+51.36 SB
Y = 487,711.84
X = 780,479.45

CURVE 16
P.I. = 156+43.88 SB
Y = 488,301.36
X = 780,539.00
DELTA = 15°01'53" (LT)
D = 5°25'33"
T = 139.32'
L = 277.04'
R = 1,056.00'
P.C. = 155+04.56 SB
Y = 488,162.74
X = 780,525.00
P.T. = 157+81.59 SB
Y = 488,438.86
X = 780,516.57

CURVE 17
P.I. = 158+33.39 SB
Y = 488,489.97
X = 780,508.23
DELTA = 5°55'46" (RT)
D = 5°43'46"
T = 51.79'
L = 103.49'
R = 1,000.00'
P.C. = 157+81.59 SB
Y = 488,438.86
X = 780,516.57
P.T. = 158+85.08 SB
Y = 488,541.68
X = 780,505.22

P.I. = 159+91.44 SB
Y = 488,641.84
X = 780,499.39

CURVE 18
P.I. = 160+31.10 SB
Y = 488,687.44
X = 780,496.73
DELTA = 2°26'23" (RT)
D = 2°55'51"
T = 41.63'
L = 83.24'
R = 1,955.00'
P.C. = 159+89.47 SB
Y = 488,645.89
X = 780,499.15
P.T. = 160+72.71 SB
Y = 488,729.07
X = 780,496.08

CURVE 19
P.I. = 167+02.17 SB
Y = 489,658.45
X = 780,486.25
DELTA = 35°37'05" (RT)
D = 7°05'53"
T = 260.53'
L = 504.16'
R = 811.00'
P.C. = 164+41.64 SB
Y = 489,097.95
X = 780,490.32
P.T. = 169+45.81 SB
Y = 489,572.57
X = 780,634.65

CURVE 20
P.I. = 169+96.63 SB
Y = 489,614.35
X = 780,663.60
DELTA = 5°35'06" (LT)
D = 8°31'34"
T = 32.78'
L = 65.50'
R = 672.00'
P.C. = 169+63.86 SB
Y = 489,587.41
X = 780,644.93
P.T. = 170+29.36 SB
Y = 489,642.98
X = 780,679.57

P.I. = 170+92.90 SB
Y = 489,698.48
X = 780,710.50

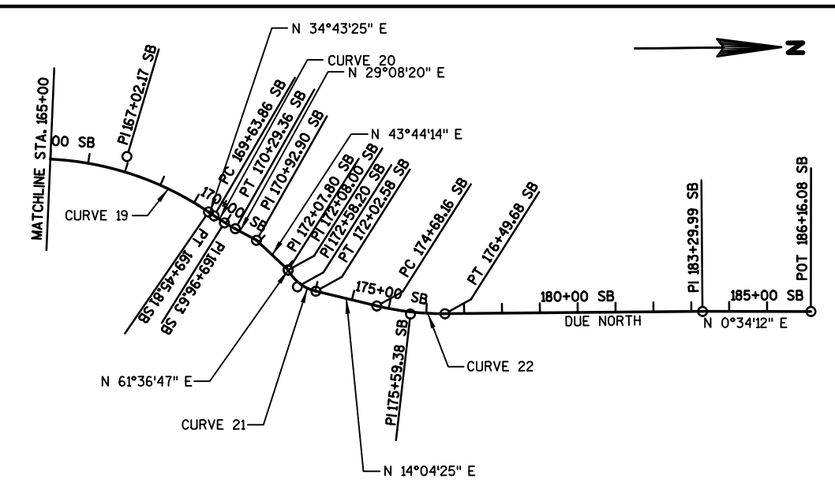
P.I. = 172+07.80 SB
Y = 489,781.49
X = 780,789.94

CURVE 21
P.I. = 172+58.20 SB
Y = 489,805.46
X = 780,834.28
DELTA = 47°32'23" (LT)
D = 50°15'34"
T = 50.21'
L = 94.59'
R = 114.00'
P.C. = 172+08.00 SB
Y = 489,781.59
X = 780,790.11
P.T. = 173+02.58 SB
Y = 489,854.16
X = 780,846.49

CURVE 22
P.I. = 175+59.38 SB
Y = 490,103.24
X = 780,908.94
DELTA = 14°04'25" (LT)
D = 7°45'11"
T = 91.22'
L = 181.52'
R = 739.00'
P.C. = 174+68.16 SB
Y = 490,014.76
X = 780,886.75
P.T. = 176+49.68 SB
Y = 490,194.46
X = 780,908.94

P.I. = 183+29.99 SB
Y = 490,874.78
X = 780,908.93

P.I. = 186+16.08 SB
Y = 491,160.85
X = 780,911.78



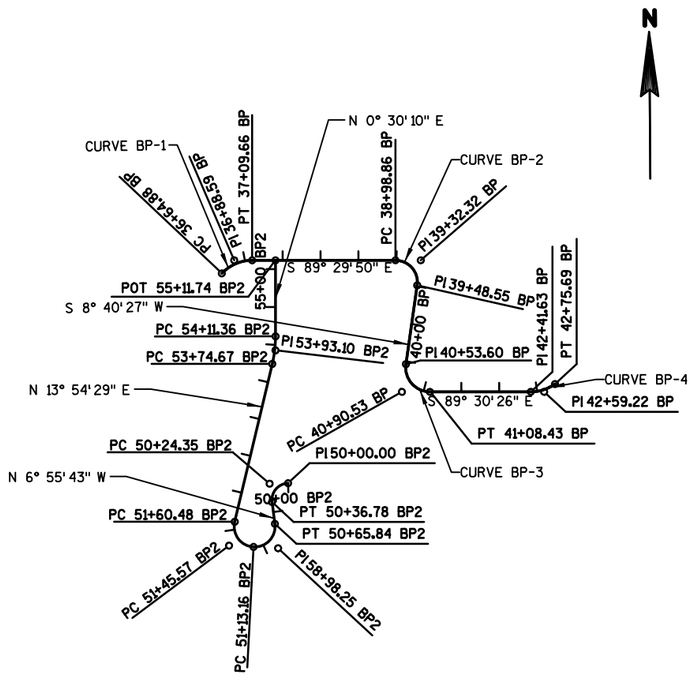
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	ALIGNMENT DETAIL - SB ALI	SHEET 447	E

CURVE BP-1
P.I. = 36+88.59 BP
Y = 488,186.81
X = 780,377.40
DELTA = 46°38'58"
D = 104°10'27"
T = 23.71'
L = 44.78'
R = 55.00'
P.C. = 36+64.88 BP
Y = 488,169.71
X = 780,360.97
P.T. = 37+09.66 BP
Y = 488,186.61
X = 780,401.11

CURVE BP-2
P.I. = 39+32.32 BP
Y = 488,184.65
X = 780,623.76
DELTA = 98°10'17"
D = 197°34'18"
T = 33.46'
L = 49.69'
R = 29.00'
P.C. = 38+98.86 BP
Y = 488,184.95
X = 780,590.30
P.T. = 39+48.55 BP
Y = 488,151.57
X = 780,618.72

CURVE BP-3
P.I. = 40+90.53 BP
Y = 488,011.22
X = 780,597.30
DELTA = 98°10'53"
D = 179°02'58"
T = 36.93'
L = 54.83'
R = 32.00'
P.C. = 40+53.60 BP
Y = 488,047.73
X = 780,602.87
P.T. = 41+08.43 BP
Y = 488,010.91
X = 780,634.23

CURVE BP-4
P.I. = 42+59.22 BP
Y = 488,009.61
X = 780,785.02
DELTA = 35°29'11"
D = 104°10'27"
T = 17.60'
L = 34.06'
R = 55.00'
P.C. = 42+41.63 BP
Y = 488,009.76
X = 780,767.42
P.T. = 42+75.69 BP
Y = 488,019.70
X = 780,799.44



CURVE BP2-1
P.I. = 50+24.35 BP2
Y = 487,891.51
X = 780,421.56
DELTA = 95°47'37"
D = 260°26'07"
T = 24.35'
L = 36.78'
R = 22.00'
P.C. = 50+00.00 BP2
Y = 487,891.99
X = 780,445.90
P.T. = 50+36.78 BP2
Y = 487,867.34
X = 780,424.50

CURVE BP2-2
P.I. = 50+98.25 BP2
Y = 487,806.32
X = 780,431.91
DELTA = 100°25'06"
D = 212°12'24"
T = 32.42'
L = 47.32'
R = 27.00'
P.C. = 50+65.84 BP2
Y = 487,838.50
X = 780,428.00
P.T. = 51+13.16 BP2
Y = 487,808.29
X = 780,399.56

CURVE BP2-3
P.I. = 51+45.57 BP2
Y = 487,810.27
X = 780,367.20
DELTA = 100°25'06"
D = 212°12'24"
T = 32.42'
L = 47.32'
R = 27.00'
P.C. = 51+13.16 BP2
Y = 487,808.29
X = 780,399.56
P.T. = 51+60.48 BP2
Y = 487,841.73
X = 780,374.99

CURVE BP2-4
P.I. = 53+93.10 BP2
Y = 488,067.53
X = 780,430.91
DELTA = 13°24'19"
D = 36°32'15"
T = 18.43'
L = 36.69'
R = 156.81'
P.C. = 53+74.67 BP2
Y = 488,049.65
X = 780,426.48
P.T. = 54+11.36 BP2
Y = 488,085.96
X = 780,431.07

P.I. =55+11.74 BP2
Y = 488,186.33
X = 780,431.95

P.I. = 10+00.00 B
Y = 485,546.88
X = 779,839.44

CURVE B-1
P.I. = 14+12.49 B
Y = 485,548.54
X = 780,251.93
DELTA = 3°47'58" (LT)
D = 7°09'43"
T = 26.54'
L = 53.05'
R = 800.00'
P.C. = 13+85.96 B
Y = 485,548.43
X = 780,225.40
P.T. = 14+39.01 B
Y = 485,550.40
X = 780,278.40

CURVE B-2
P.I. = 14+47+53 B
Y = 485,551.00
X = 780,286.90
DELTA = 8°07'27" (RT)
D = 47°44'47"
T = 8.52'
L = 17.02'
R = 120.00'
P.C. = 14+39.01 B
Y = 485,550.40
X = 780,278.40
P.T. = 14+56.03 B
Y = 485,550.39
X = 780,295.40

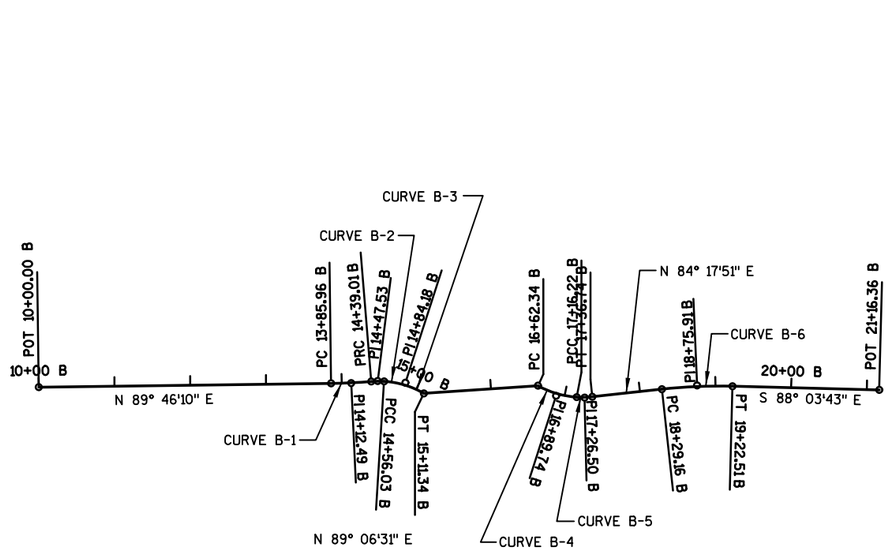
CURVE B-3
P.I. = 14+84.14 B
Y = 485,548.38
X = 780,323.49
DELTA = 26°24'39" (RT)
D = 47°44'47"
T = 28.16'
L = 55.31'
R = 120.00'
P.C. = 14+56.03 B
Y = 485,550.39
X = 780,295.40
P.T. = 15+11.34 B
Y = 485,534.09
X = 780,347.75

CURVE B-4
P.I. = 16+89.74 B
Y = 485,529.26
X = 780,522.26
DELTA = 25°43'28" (LT)
D = 47°44'47"
T = 27.40'
L = 53.88'
R = 120.00'
P.C. = 16+62.34 B
Y = 485,542.89
X = 780,498.49
P.T. = 17+16.22 B
Y = 485,527.30
X = 780,549.59

CURVE B-5
P.I. = 17+26.50 B
Y = 485,526.57
X = 780,559.85
DELTA = 9°48'02" (LT)
D = 47°44'47"
T = 10.29'
L = 20.53'
R = 120.00'
P.C. = 17+16.22 B
Y = 485,527.30
X = 780,549.59
P.T. = 17+36.74 B
Y = 485,527.59
X = 780,570.09

CURVE B-6
P.I. = 18+75.91 B
Y = 485,541.42
X = 780,708.57
DELTA = 7°38'26" (RT)
D = 8°11'06"
T = 46.74'
L = 93.35'
R = 700.00'
P.C. = 18+29.16 B
Y = 485,536.77
X = 780,662.06
P.T. = 19+22.51 B
Y = 485,539.84
X = 780,755.28

P.I. = 21+16.36 B
Y = 485,533.28
X = 780,949.03

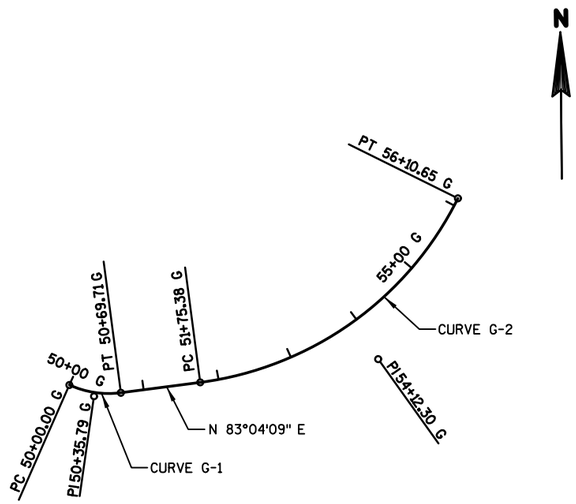


PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	ALIGNMENT DETAIL - SIDEROAD ALIGNMENTS - 1	SHEET 448	E

2

CURVE G-1
P.I. = 50+35.79 G
Y = 486,728.62
X = 780,596.25
DELTA = 31°57'08" (LT)
D = 45°50'12"
T = 35.79'
L = 69.71'
R = 125.00'
P.C. = 50+00.00 G
Y = 486,743.76
X = 780,563.82
P.T. = 50+69.71 G
Y = 486,732.94
X = 780,631.77

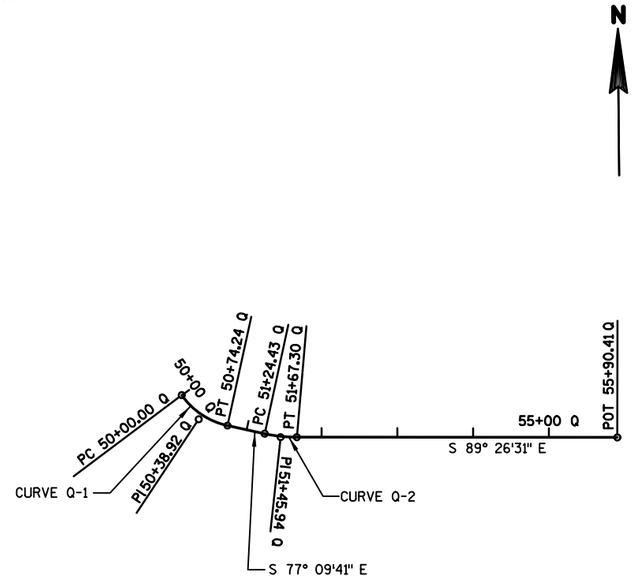
CURVE G-2
P.I. = 54+12.30 G
Y = 486,774.28
X = 780,971.86
DELTA = 56°10'09" (LT)
D = 12°54'16"
T = 236.92'
L = 435.27'
R = 444.00'
P.C. = 51+75.38 G
Y = 486,745.69
X = 780,736.67
P.T. = 56+10.65 G
Y = 486,985.57
X = 781,079.05



CURVE Q-1
P.I. = 50+38.92 Q
Y = 489,661.07
X = 780,866.27
DELTA = 42°32'12" (LT)
D = 57°17'45"
T = 38.92'
L = 74.24'
R = 100.00'
P.C. = 50+00.00 Q
Y = 489,693.10
X = 780,844.15
P.T. = 50+74.24 Q
Y = 489,652.42
X = 780,904.22

CURVE Q-2
P.I. = 51+45.94 Q
Y = 489,636.49
X = 780,974.13
DELTA = 12°16'50" (LT)
D = 28°38'52"
T = 21.52'
L = 42.87'
R = 200.00'
P.C. = 51+24.43 Q
Y = 489,641.27
X = 780,953.15
P.T. = 51+67.30 Q
Y = 489,636.28
X = 780,995.64

P.I. = 55+90.41 Q
Y = 489,632.16
X = 781,418.74

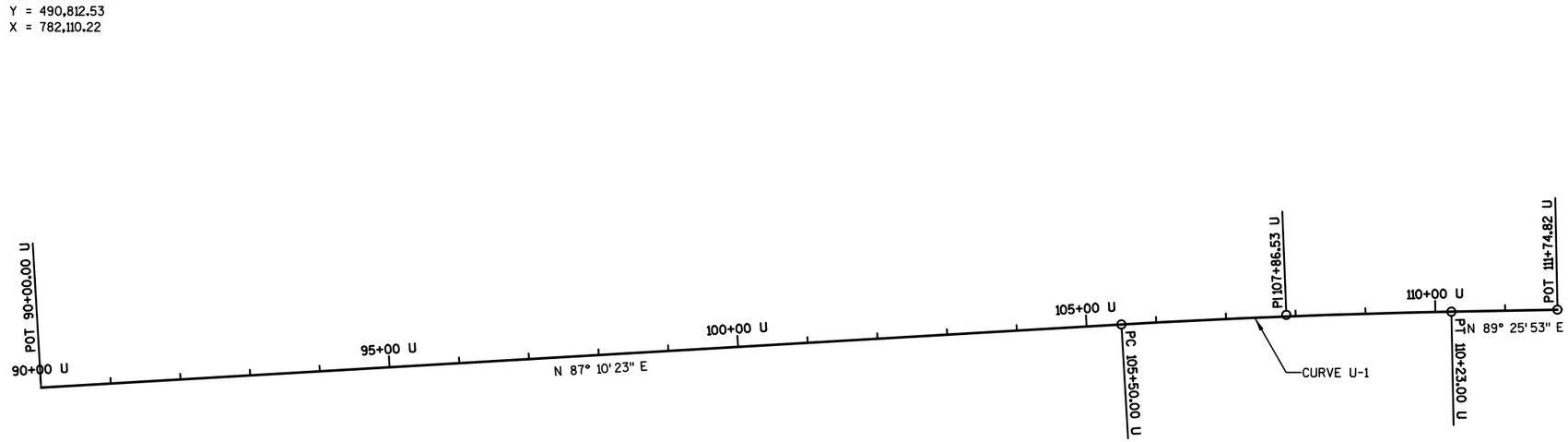


2

CURVE U-1
P.I. = 107+86.53 U
Y = 490,808.67
X = 781,721.88
DELTA = 2°15'30" (RT)
D = 0°28'39"
T = 236.53'
L = 473.00'
R = 12,000.00'
P.C. = 105+50.00 U
Y = 490,797.01
X = 781,485.64
P.T. = 110+23.00 U
Y = 490,811.02
X = 781,958.40

P.I. = 90+00.00 U
Y = 490,720.56
X = 779,937.53

P.I. = 111+74.82 U
Y = 490,812.53
X = 782,110.22



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	ALIGNMENT DETAIL - SIDEROAD ALIGNMENTS - 2	SHEET 449	E



CURVE B1-1
P.I. = 10+83.31 B1
Y = 485,536.10
X = 780,327.26
DELTA = 120°37'22" (RT)
D = 120°37'22"
T = 83.32'
L = 100.00'
R = 47.50'
P.C. = 10+00.00 B1
Y = 485,496.31
X = 780,400.46
P.T. = 11+00.00 B1
Y = 485,578.82
X = 780,398.79

CURVE B1-2
P.I. = 11+80.25 B1
Y = 485,619.97
X = 780,467.68
DELTA = 118°45'17" (RT)
D = 120°37'22"
T = 80.25'
L = 98.45'
R = 47.50'
P.C. = 11+00.00 B1
Y = 485,578.82
X = 780,398.79
P.T. = 11+98.45 B1
Y = 485,539.77
X = 780,470.61

CURVE B1-3
P.I. = 12+81.77 B1
Y = 485,456.52
X = 780,473.66
DELTA = 120°37'22" (RT)
D = 120°37'22"
T = 83.32'
L = 100.00'
R = 47.50'
P.C. = 11+98.45 B1
Y = 485,539.77
X = 780,470.61
P.T. = 12+98.45 B1
Y = 485,496.31
X = 780,400.46

P.I. = 10+00.00 B2
Y = 485,327.09
X = 780,442.18

P.I. = 10+48.17 B2
Y = 485,373.99
X = 780,431.20

CURVE B2-1
P.I. = 10+93.86 B2
Y = 485,419.19
X = 780,424.53
DELTA = 41°54'307" (RT)
D = 57°17'45"
T = 38.29'
L = 73.13'
R = 100.00'
P.C. = 10+55.57 B2
Y = 485,381.308
X = 780,430.12
P.T. = 11+28.70 B2
Y = 485,451.11
X = 780,445.66

CURVE B2-2
P.I. = 11+54.03 B2
Y = 485,472.24
X = 780,459.64
DELTA = 35°08'23" (RT)
D = 71°37'11"
T = 25.33'
L = 49.06'
R = 80.00'
P.C. = 11+28.70 B2
Y = 485,451.11
X = 780,445.66
P.T. = 11+77.77 B2
Y = 485,481.46
X = 780,483.23

CURVE B2-3
P.I. = 12+46.17 B2
Y = 485,506.38
X = 780,546.93
DELTA = 13°00'27" (RT)
D = 9°32'58"
T = 68.40'
L = 136.21'
R = 600.00'
P.C. = 11+77.77 B2
Y = 485,481.46
X = 780,483.23
P.T. = 13+13.98 B2
Y = 485,516.31
X = 780,614.61

P.I. = 13+54.46 B2
Y = 485,515.98
X = 780,655.09

P.I. = 10+00.00 B3
Y = 485,507.56
X = 780,492.22

P.I. = 10+39.05 B3
Y = 485,515.38
X = 780,530.48

CURVE B3-1
P.I. = 11+19.58 B3
Y = 485,531.51
X = 780,609.38
DELTA = 5°51'13" (RT)
D = 9°18'59"
T = 31.44'
L = 62.83'
R = 615.00'
P.C. = 10+88.14 B3
Y = 485,525.21
X = 780,578.57
P.T. = 11+50.97 B3
Y = 485,534.64
X = 780,640.66

P.I. = 10+00.00 B4
Y = 485,555.75
X = 780,650.87

P.I. = 10+40.31 B4
Y = 485,546.80
X = 780,611.57

CURVE B4-1
P.I. = 11+09.75 B4
Y = 485,539.90
X = 780,542.47
DELTA = 33°49'12" (RT)
D = 60°18'41"
T = 28.88'
L = 56.08'
R = 95.00'
P.C. = 10+80.87 B4
Y = 485,542.77
X = 780,571.21
P.T. = 11+36.94 B4
Y = 485,553.52
X = 780,5167.00

CURVE B4-2
P.I. = 11+63.95 B4
Y = 485,566.24
X = 780,4933.18
DELTA = 48°27'53" (RT)
D = 95°29'35"
T = 27.00'
L = 50.75'
R = 60.00'
P.C. = 11+36.94 B4
Y = 485,553.52
X = 780,517.00
P.T. = 11+87.70 B4
Y = 485,592.51
X = 780,486.91

CURVE B4-3
P.I. = 12+20.38 B4
Y = 485,624.31
X = 780,479.33
DELTA = 4°40'46" (RT)
D = 7°09'43"
T = 32.69'
L = 65.34'
R = 800.00'
P.C. = 11+87.70 B4
Y = 485,592.51
X = 780,486.91
P.T. = 12+53.03 B4
Y = 485,656.61
X = 780,474.36

P.I. = 13+01.26 B4
Y = 485,704.844
X = 780,474.44

CURVE B5-1
P.I. = 10+84.00 B5
Y = 485,563.67
X = 780,284.79
DELTA = 21°08'52" (LT)
D = 12°43'57"
T = 84.00'
L = 166.10'
R = 450.00'
P.C. = 10+00.00 B5
Y = 485,563.33
X = 780,200.79
P.T. = 11+66.09 B5
Y = 485,594.29
X = 780,363.02

CURVE B5-2
P.I. = 11+94.85 B5
Y = 485,604.77
X = 780,389.79
DELTA = 39°32'29" (LT)
D = 71°37'11"
T = 28.76'
L = 55.21'
R = 80.00'
P.C. = 11+66.09 B5
Y = 485,594.29
X = 780,363.02
P.T. = 12+21.31 B5
Y = 485,629.90
X = 780,403.77

CURVE B5-3
P.I. = 12+55.63 B5
Y = 485,659.90
X = 780,420.45
DELTA = 37°53'20" (LT)
D = 57°17'45"
T = 34.32'
L = 66.13'
R = 100.00'
P.C. = 12+21.31 B5
Y = 485,629.90
X = 780,403.77
P.T. = 12+87.43 B5
Y = 485,693.82
X = 780,415.20

P.I. = 12+95.16 B5
Y = 485,701.46
X = 780,414.01

P.I. = 13+43.33 B5
Y = 485,748.28
X = 780,402.71

CURVE B6-1
P.I. = 10+49.90 B6
Y = 485,548.53
X = 780,250.75
DELTA = 12°14'56" (LT)
D = 12°19'18"
T = 49.90'
L = 99.41'
R = 465.00'
P.C. = 10+00.00 B6
Y = 485,548.33
X = 780,200.85
P.T. = 10+99.41 B6
Y = 485,559.31
X = 780,299.46

P.I. = 11+13.68 B6
Y = 485,562.40
X = 780,313.40

P.I. = 11+56.89 B6
Y = 485,571.74
X = 780,355.58

P.I. = 10+00.00 B7
Y = 485,374.16
X = 780,368.33

CURVE B7-1
P.I. = 10+79.63 B7
Y = 485,453.49
X = 780,364.81
DELTA = 4°11'17" (LT)
D = 6°44'26"
T = 31.08'
L = 62.13'
R = 850.00'
P.C. = 10+48.55 B7
Y = 485,422.71
X = 780,369.04
P.T. = 11+10.68 B7
Y = 485,483.89
X = 780,358.34

CURVE B7-2
P.I. = 11+38.70 B7
Y = 485,511.30
X = 780,352.51
DELTA = 50°03'58" (LT)
D = 95°29'35"
T = 28.02'
L = 52.43'
R = 60.00'
P.C. = 11+10.68 B7
Y = 485,483.89
X = 780,358.34
P.T. = 11+63.11 B7
Y = 485,524.42
X = 780,327.75

CURVE B7-3
P.I. = 11+90.15 B7
Y = 485,537.08
X = 780,303.86
DELTA = 40°22'40" (LT)
D = 31°46'07"
T = 27.03'
L = 52.67'
R = 95.00'
P.C. = 11+63.11 B7
Y = 485,524.42
X = 780,327.75
P.T. = 12+15.79 B7
Y = 485,535.26
X = 780,276.89

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	ALIGNMENT DETAIL - ROUNDABOUT - BLACKHAWK ROAD	SHEET 450	E

CURVE G1-1	CURVE G1-2	CURVE G1-3
P.I. = 10+83.31 G1	P.I. = 11+83.31 G1	P.I. = 12+80.25 G1
Y = 486,798.67	Y = 486,775.13	Y = 486,647.56
X = 780,412.65	X = 780,577.61	X = 780,475.24
DELTA = 120°37'22" (RT)	DELTA = 120°37'22" (RT)	DELTA = 118°45'17" (RT)
D = 120°37'22"	D = 120°37'22"	D = 120°37'22"
T = 83.32'	T = 83.32'	T = 80.25'
L = 100.00'	L = 100.00'	L = 98.45'
R = 47.50'	R = 47.50'	R = 47.50'
P.C. = 10+00.00 G1	P.C. = 11+00.00 G1	P.C. = 12+00.00 G1
Y = 486,721.70	Y = 486,786.90	Y = 486,710.15
X = 780,444.53	X = 780,495.13	X = 780,525.47
P.T. = 11+00.00 G1	P.T. = 12+00.00 G1	P.T. = 12+98.45 G1
Y = 486,786.90	Y = 486,710.15	Y = 485,721.70
X = 780,495.13	X = 780,525.47	X = 780,444.53

P.I. = 10+00.00 G2	CURVE G2-1
Y = 486,524.87	P.I. = 11+00.54 G2
X = 780,494.56	Y = 486,624.50
P.I. = 10+48.17 G2	X = 780,481.77
Y = 486,572.33	DELTA = 48°11'35" (RT)
X = 780,486.36	D = 57°17'45"
	T = 44.73'
	L = 84.11'
	R = 100.00'
	P.C. = 10+55.81 G2
	Y = 486,579.95
	X = 780,485.69
	P.T. = 11+39.93 G2
	Y = 486,657.13
	X = 780,512.36

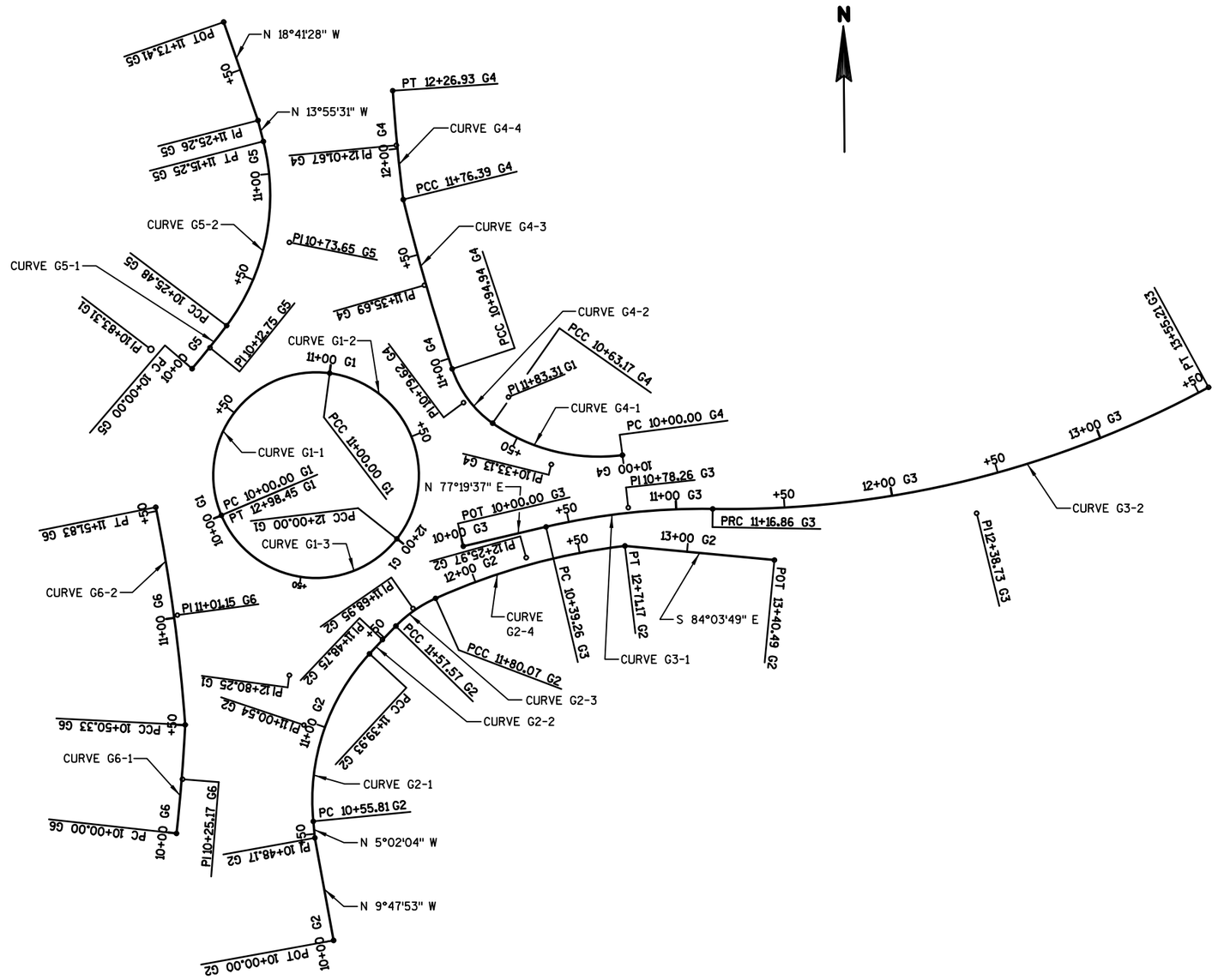
CURVE G2-2	CURVE G2-3	CURVE G2-4	P.I. = 13+40.49 G2
P.I. = 11+48.75 G2	P.I. = 11+68.95 G2	P.I. = 12+25.97 G2	Y = 486,698.73
Y = 486,663.56	Y = 486,677.89	Y = 486,700.89	X = 780,699.69
X = 780,518.39	X = 780,532.64	X = 780,585.11	
DELTA = 1°41'04" (RT)	DELTA = 21°29'11" (RT)	DELTA = 17°24'01" (RT)	
D = 9°32'58"	D = 95°29'35"	D = 19°05'55"	
T = 8.82'	T = 11.38'	T = 45.91'	
L = 17.64'	L = 22.50'	L = 91.11'	
R = 600.00'	R = 60.00'	R = 300.00'	
P.C. = 11+39.93 G2	P.C. = 11+57.57 G2	P.C. = 11+80.07 G2	
Y = 486,657.13	Y = 486,669.81	Y = 486,682.46	
X = 780,512.36	X = 780,524.61	X = 780,543.07	
P.T. = 11+57.57 G2	P.T. = 11+80.07 G2	P.T. = 12+71.17 G2	
Y = 486,669.81	Y = 486,682.46	Y = 486,705.90	
X = 780,524.61	X = 780,543.07	X = 780,630.74	

P.I. = 10+00.00 G3	CURVE G3-1	CURVE G3-2
Y = 486,706.41	P.I. = 10+78.26 G3	P.I. = 12+38.73 G3
X = 780,566.10	Y = 486,723.58	Y = 486,719.53
	X = 780,632.45	X = 780,793.26
	DELTA = 14°06'49" (RT)	DELTA = 29°14'58" (LT)
	D = 18°11'21"	D = 12°20'54"
	T = 38.99'	T = 121.87'
	L = 77.60'	L = 238.36'
	R = 315.00'	R = 464.00'
	P.C. = 10+39.26 G3	P.C. = 11+16.86 G3
	Y = 486,715.02	Y = 486,722.60
	X = 780,594.40	X = 780,671.43
	P.T. = 11+16.86 G3	P.T. = 13+55.21 G3
	Y = 486,722.60	Y = 486,776.73
	X = 780,671.43	X = 780,900.87

CURVE G4-1	CURVE G4-2	CURVE G4-3	CURVE G4-4
P.I. = 10+33.13 G4	P.I. = 10+79.62 G4	P.I. = 11+35.69 G4	P.I. = 12+01.67 G4
Y = 486,743.83	Y = 486,772.73	Y = 486,827.13	Y = 486,891.89
X = 780,597.07	X = 780,556.79	X = 780,539.18	X = 780,526.83
DELTA = 42°35'02" (RT)	DELTA = 36°24'18" (RT)	DELTA = 4°40'00" (RT)	DELTA = 3°32'07" (RT)
D = 67°24'25"	D = 114°35'30"	D = 5°40'47"	D = 6°59'45"
T = 33.13'	T = 16.44'	T = 40.75'	T = 25.27'
L = 63.17'	L = 31.77'	L = 81.45'	L = 50.53'
R = 85.00'	R = 50.00'	R = 1,000.00'	R = 819.00'
P.C. = 10+00.00 G4	P.C. = 10+63.17 G4	P.C. = 10+94.94 G4	P.C. = 11+76.39 G4
Y = 486,747.83	Y = 486,763.14	Y = 486,788.37	Y = 486,866.79
X = 780,629.96	X = 780,570.15	X = 780,551.73	X = 780,529.82
P.T. = 11+63.17 G4	P.T. = 10+94.94 G4	P.T. = 11+76.39 G4	P.T. = 12+26.93 G4
Y = 486,763.14	Y = 486,788.37	Y = 486,866.79	Y = 486,917.12
X = 780,570.15	X = 780,551.73	X = 780,529.82	X = 780,525.40

CURVE G5-1	CURVE G5-2	P.I. = 11+25.26 G5
P.I. = 10+12.75 G5	P.I. = 10+73.65 G5	Y = 486,903.94
Y = 486,799.16	Y = 486,847.48	X = 780,463.05
X = 780,439.96	X = 780,477.05	
DELTA = 3°39'00" (LT)	DELTA = 51°26'04" (LT)	P.I. = 11+73.41 G5
D = 14°19'26"	D = 57°17'45"	Y = 486,949.55
T = 12.75'	T = 48.16'	X = 780,447.62
L = 25.48'	L = 89.77'	
R = 400.00'	R = 100.00'	
P.C. = 10+00.00 G5	P.C. = 10+25.48 G5	
Y = 486,789.57	Y = 486,809.27	
X = 780,431.58	X = 780,447.72	
P.T. = 10+25.48 G5	P.T. = 11+15.25 G5	
Y = 486,809.27	Y = 486,894.23	
X = 780,447.72	X = 780,465.46	

CURVE G6-1	CURVE G6-2
P.I. = 10+25.17 G6	P.I. = 11+01.15 G6
Y = 486,599.94	Y = 486,675.79
X = 780,425.47	X = 780,423.80
DELTA = 3°30'59" (LT)	DELTA = 7°16'11" (LT)
D = 6°59'14"	D = 7°09'43"
T = 25.17'	T = 50.82'
L = 50.33'	L = 101.51'
R = 820.00'	R = 800.00'
P.C. = 10+00.00 G6	P.C. = 10+50.33 G6
Y = 486,574.95	Y = 486,625.07
X = 780,422.47	X = 780,426.94
P.T. = 10+50.33 G6	P.T. = 11+51.83 G6
Y = 486,625.07	Y = 486,725.71
X = 780,426.94	X = 780,414.26



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	ALIGNMENT DETAIL - ROUNDABOUT - GREENWAY BOULEVARD	SHEET 451	E

CURVE Q1-1
P.I. = 10+83.31 Q1
Y = 489,727.14
X = 780,677.47
DELTA = 120°37'22" (RT)
D = 120°37'22"
T = 83.31'
L = 100.00'
R = 47.50'
P.C. = 10+00.00 Q1
Y = 489,679.33
X = 780,745.70
P.T. = 11+00.00 Q1
Y = 489,761.51
X = 780,753.36

CURVE Q1-2
P.I. = 11+83.31 Q1
Y = 489,795.88
X = 780,829.26
DELTA = 120°37'22" (RT)
D = 120°37'22"
T = 83.31'
L = 100.00'
R = 47.50'
P.C. = 11+00.00 Q1
Y = 489,761.51
X = 780,753.36
P.T. = 12+00.00 Q1
Y = 489,713.06
X = 780,820.17

CURVE Q1-3
P.I. = 12+80.25 Q1
Y = 489,633.29
X = 780,811.42
DELTA = 118°45'17" (RT)
D = 120°37'22"
T = 80.25'
L = 98.45'
R = 47.50'
P.C. = 12+00.00 Q1
Y = 489,713.06
X = 780,820.17
P.T. = 12+98.45 Q1
Y = 489,679.33
X = 780,745.70

CURVE Q2-1
P.I. = 10+92.89 Q2
Y = 489,624.31
X = 780,709.81
DELTA = 44°32'35" (RT)
D = 60°18'41"
T = 38.91'
L = 73.86'
R = 95.00'
P.C. = 10+53.98 Q2
Y = 489,590.48
X = 780,690.59
P.T. = 11+27.84 Q2
Y = 489,634.93
X = 780,747.24

CURVE Q2-2
P.I. = 11+45.59 Q2
Y = 489,639.78
X = 780,764.32
DELTA = 5°05'02" (RT)
D = 14°19'26"
T = 17.76'
L = 35.49'
R = 400.00'
P.C. = 11+27.84 Q2
Y = 489,634.93
X = 780,747.24
P.T. = 11+63.33 Q2
Y = 489,643.09
X = 780,781.77

P.I. = 10+00.00 Q2
Y = 489,541.36
X = 780,668.27

P.I. = 10+48.17 Q2
Y = 489,585.43
X = 780,687.71

CURVE Q2-3
P.I. = 11+66.19 Q2
Y = 489,643.63
X = 780,784.58
DELTA = 4°05'52" (RT)
D = 71°37'11"
T = 2.86'
L = 5.72'
R = 80.00'
P.C. = 11+63.33 Q2
Y = 489,643.96
X = 780,787.42
P.T. = 11+69.05 Q2
Y = 489,645.56
X = 780,900.61

CURVE Q2-4
P.I. = 12+26.84 Q2
Y = 489,650.66
X = 780,844.83
DELTA = 21°48'28" (RT)
D = 19°05'55"
T = 57.79'
L = 114.18'
R = 300.00'
P.C. = 11+69.05 Q2
Y = 489,643.96
X = 780,787.42
P.T. = 12+83.23 Q2
Y = 489,638.48
X = 780,888.89

P.I. = 10+00.00 Q3
Y = 489,664.52
X = 780,826.01

CURVE Q3-1
P.I. = 10+33.74 Q3
Y = 489,660.79
X = 780,859.55
DELTA = 0°47'53" (RT)
D = 18°04'28"
T = 2.21'
L = 4.42'
R = 317.00'
P.C. = 10+31.54 Q3
Y = 489,661.03
X = 780,857.36
P.T. = 10+35.95 Q3
Y = 489,660.51
X = 780,861.74

CURVE Q3-2
P.I. = 10+51.67 Q3
Y = 489,658.55
X = 780,877.34
DELTA = 5°40'38" (RT)
D = 18°04'28"
T = 15.72'
L = 31.41'
R = 317.00'
P.C. = 10+35.95 Q3
Y = 489,660.51
X = 780,861.74
P.T. = 10+67.36 Q3
Y = 489,655.06
X = 780,892.66

P.I. = 10+76.71 Q3
Y = 489,652.98
X = 780,901.77

CURVE Q4-1
P.I. = 10+26.70 Q4
Y = 489,674.93
X = 780,881.97
DELTA = 36°54'38" (RT)
D = 71°37'11"
T = 26.70'
L = 51.54'
R = 80.00'
P.C. = 10+00.00 Q4
Y = 489,668.00
X = 780,908.00
P.T. = 10+51.54 Q4
Y = 489,695.31
X = 780,864.71

CURVE Q4-2
P.I. = 10+77.00 Q4
Y = 489,714.74
X = 780,848.26
DELTA = 49°40'57" (RT)
D = 104°10'27"
T = 25.46'
L = 47.69'
R = 55.00'
P.C. = 10+51.54 Q4
Y = 489,695.31
X = 780,864.71
P.T. = 10+99.23 Q4
Y = 489,739.86
X = 780,852.44

CURVE Q4-3
P.I. = 11+32.90 Q4
Y = 489,773.08
X = 780,857.95
DELTA = 4°32'15" (RT)
D = 6°44'26"
T = 33.68'
L = 67.31'
R = 850.00'
P.C. = 10+99.23 Q4
Y = 489,739.86
X = 780,852.44
P.T. = 11+66.54 Q4
Y = 489,805.76
X = 780,866.08

P.I. = 12+16.75 Q4
Y = 489,852.13
X = 780,885.31

CURVE Q5-1
P.I. = 10+14+11 Q5
Y = 489,793.79
X = 780,759.11
DELTA = 2°41'38" (LT)
D = 9°32'57"
T = 14.11'
L = 28.21'
R = 600.00'
P.C. = 10+00.00 Q5
Y = 489,788.74
X = 780,745.94
P.T. = 10+28.21 Q5
Y = 489,799.45
X = 780,772.03

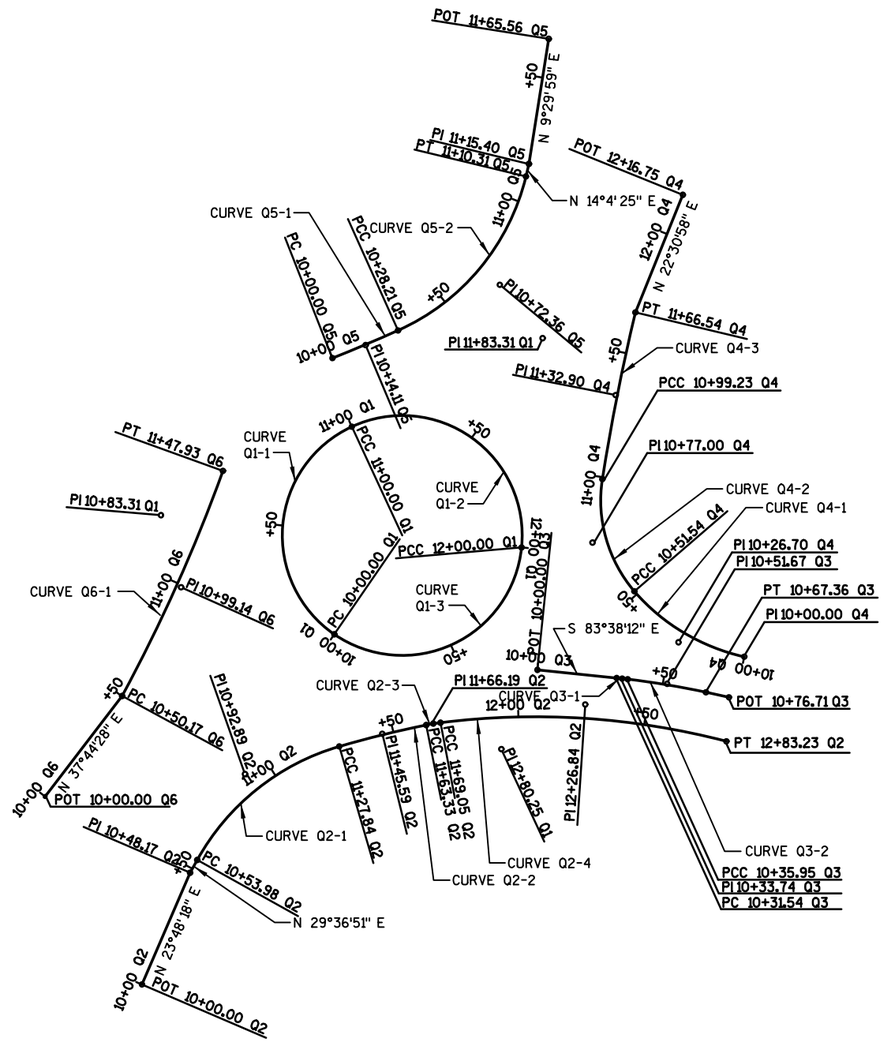
CURVE Q5-2
P.I. = 10+72.36
Y = 489,817.17
X = 780,812.48
DELTA = 52°15'55" (LT)
D = 63°39'43"
T = 44.15'
L = 82.10'
R = 90.00'
P.C. = 10+28.21
Y = 489,799.45
X = 780,772.03
P.T. = 11+10.31
Y = 489,860.00
X = 780,823.21

P.I. = 11+15.40 Q5
Y = 489,864.93
X = 780,824.45

P.I. = 11+65.56 Q5
Y = 489,914.40
X = 780,832.73

P.I. = 10+00.00 Q6
Y = 489,616.14
X = 780,630.56

CURVE Q6-1
P.I. = 10+99.14 Q6
Y = 489,698.53
X = 780,685.15
DELTA = 8°37'04" (LT)
D = 8°48'53"
T = 48.97'
L = 97.76'
R = 650.00'
P.C. = 10+50.17 Q6
Y = 489,655.67
X = 780,661.45
P.T. = 11+47.93 Q6
Y = 489,744.46
X = 780,702.15



Line	Item	Item Description	Unit	Total	5310-02-75 Qty	5992-11-01 Qty	5992-11-02 Qty
0002	108.4300	RBC Progress Schedule	EACH	1.000	0.080	0.820	0.100
0004	201.0105	Clearing	STA	57.000	1.000	56.000	
0006	201.0120	Clearing	ID	1,970.000	66.000	1,904.000	
0008	201.0205	Grubbing	STA	57.000	1.000	56.000	
0010	201.0220	Grubbing	ID	1,970.000	66.000	1,904.000	
0012	203.0100	Removing Small Pipe Culverts	EACH	20.000	3.000	17.000	
0014	204.0100	Removing Concrete Pavement	SY	1,075.000	695.000	380.000	
0016	204.0150	Removing Curb & Gutter	LF	4,915.000	580.000	4,335.000	
0018	204.0155	Removing Concrete Sidewalk	SY	1,742.000		1,742.000	
0020	204.0170	Removing Fence	LF	2,245.000	300.000	1,945.000	
0022	204.0185	Removing Masonry	CY	12.000	4.000	8.000	
0024	204.0195	Removing Concrete Bases	EACH	89.000	21.000	68.000	
0026	204.0205	Removing Utility Poles	EACH	1.000	1.000		
0028	204.0210	Removing Manholes	EACH	5.000		5.000	
0030	204.0220	Removing Inlets	EACH	9.000	1.000	8.000	
0032	204.0230	Removing Building (station) 01. Station 175+90	LS	1.000		1.000	
0034	204.0230	Removing Building (station) 03. Station 179+60 LT	LS	1.000	1.000		
0036	204.0245	Removing Storm Sewer (size) 01. 12-Inch or Less	LF	361.000	46.000	315.000	
0038	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	31.000		31.000	
0040	204.0245	Removing Storm Sewer (size) 03. 18-Inch	LF	102.000	12.000	90.000	
0042	204.0245	Removing Storm Sewer (size) 04. 24-Inch	LF	535.000		535.000	
0044	204.0245	Removing Storm Sewer (size) 05. 30-Inch	LF	100.000		100.000	
0046	204.0245	Removing Storm Sewer (size) 06. 36-Inch	LF	26.000		26.000	
0048	204.0245	Removing Storm Sewer (size) 07. 24X38-Inch	LF	48.000		48.000	
0050	204.0280	Sealing Pipes	EACH	1.000		1.000	
0052	204.9060.S	Removing (item description) 01. Apron Endwalls	EACH	19.000	4.000	15.000	
0054	204.9060.S	Removing (item description) 02. Storm Sewer Outlet Control Structure	EACH	1.000		1.000	
0056	204.9060.S	Removing (item description) 03. Commercial Sign	EACH	3.000		3.000	
0058	204.9060.S	Removing (item description) 04. RRFB	EACH	2.000		2.000	
0060	204.9060.S	Removing (item description) 05. Pillars	EACH	2.000		2.000	
0062	204.9060.S	Removing (item description) 06. Removing Traffic Signals Pleasant View Road & USH 14	EACH	11.000	11.000		
0064	205.0100	Excavation Common	CY	188,192.000	4,739.000	183,453.000	
0066	205.0200	Excavation Rock	CY	38,872.000		38,872.000	
0068	209.2100	Backfill Granular Grade 2	CY	120.000		120.000	
0070	213.0100	Finishing Roadway (project) 01. 5992-11-01	EACH	1.000		1.000	
0072	213.0100	Finishing Roadway (project) 02. 5310-02-75	EACH	1.000	1.000		
0074	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,049.000	136.000	913.000	
0076	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	73,412.000	6,598.000	66,814.000	
0078	310.0110	Base Aggregate Open-Graded	TON	123.000		123.000	
0080	312.0110	Select Crushed Material	TON	76,178.000	4,584.000	71,594.000	
0082	320.0155	Concrete Base 9-Inch	SY	3,175.000	3,175.000		
0084	371.2000.S	QMP Base Aggregate Dense 1 1/4-Inch Compaction	EACH	64.000	8.000	56.000	
0086	405.0200	Coloring Concrete Custom	CY	678.000	5.000	673.000	
0088	416.0170	Concrete Driveway 7-Inch	SY	943.000	26.000	917.000	
0090	416.0512	Concrete Truck Apron 12-Inch	SY	990.000		990.000	
0092	416.0610	Drilled Tie Bars	EACH	695.000	695.000		
0094	416.0620	Drilled Dowel Bars	EACH	16.000	16.000		
0096	455.0605	Tack Coat	GAL	4,377.000	455.000	3,922.000	

Line	Item	Item Description	Unit	Total	5310-02-75 Qty	5992-11-01 Qty	5992-11-02 Qty
0098	460.2000	Incentive Density HMA Pavement	DOL	15,330.000	1,320.000	14,010.000	
0100	460.5224	HMA Pavement 4 LT 58-28 S	TON	1,048.000		1,048.000	
0102	460.6223	HMA Pavement 3 MT 58-28 S	TON	12,709.000	900.000	11,809.000	
0104	460.6424	HMA Pavement 4 MT 58-28 H	TON	7,737.000	1,104.000	6,633.000	
0106	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	463.000	2.000	461.000	
0108	465.0125	Asphaltic Surface Temporary	TON	3,870.000	115.000	3,755.000	
0110	465.0310	Asphaltic Curb	LF	785.000		785.000	
0112	465.0315	Asphaltic Flumes	SY	13.000	8.000	5.000	
0114	495.1000.S	Cold patch	TON	25.000	5.000	20.000	
0116	502.0100	Concrete Masonry Bridges	CY	69.000		69.000	
0118	502.3101	Expansion Device	LF	24.000		24.000	
0120	502.3200	Protective Surface Treatment	SY	207.000		207.000	
0122	502.3210	Pigmented Surface Sealer	SY	1,208.000		1,208.000	
0124	504.0500	Concrete Masonry Retaining Walls	CY	369.000		369.000	
0126	505.0400	Bar Steel Reinforcement HS Structures	LB	2,020.000		2,020.000	
0128	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	34,225.000		34,225.000	
0130	506.8006.S	Prefabricated Steel Truss Pedestrian Bridge LRFD (structure) 01. B-13-892	EACH	1.000		1.000	
0132	513.8016	Railing Steel Pedestrian Type C3	LF	303.000		303.000	
0134	516.0500	Rubberized Membrane Waterproofing	SY	97.000		97.000	
0136	517.1000	Painting Epoxy System Steel Truss (structure) 01. B-13-892	LS	1.000		1.000	
0138	517.1010.S	Concrete Staining (structure) 01. R-13-362	SF	450.000		450.000	
0140	517.1015.S	Concrete Staining Multi-Color (structure) 01. R-13-362	SF	450.000		450.000	
0142	517.1050.S	Architectural Surface Treatment (structure) 01. R-13-363	SF	1,010.000		1,010.000	
0144	517.1050.S	Architectural Surface Treatment (structure) 02. R-13-365	SF	270.000		270.000	
0146	517.1050.S	Architectural Surface Treatment (structure) 03. R-13-366	SF	3,335.000		3,335.000	
0148	517.1050.S	Architectural Surface Treatment (structure) 04. R-13-367	SF	1,665.000		1,665.000	
0150	520.1012	Apron Endwalls for Culvert Pipe 12-Inch	EACH	4.000	3.000	1.000	
0152	520.1015	Apron Endwalls for Culvert Pipe 15-Inch	EACH	2.000		2.000	
0154	520.1018	Apron Endwalls for Culvert Pipe 18-Inch	EACH	3.000	2.000	1.000	
0156	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	5.000		5.000	
0158	520.1036	Apron Endwalls for Culvert Pipe 36-Inch	EACH	1.000		1.000	
0160	520.1054	Apron Endwalls for Culvert Pipe 54-Inch	EACH	1.000		1.000	
0162	520.2012	Culvert Pipe Temporary 12-Inch	LF	119.000	73.000	46.000	
0164	520.2018	Culvert Pipe Temporary 18-Inch	LF	124.000		124.000	
0166	520.2024	Culvert Pipe Temporary 24-Inch	LF	148.000		148.000	
0168	520.2036	Culvert Pipe Temporary 36-Inch	LF	25.000		25.000	
0170	520.2054	Culvert Pipe Temporary 54-Inch	LF	70.000		70.000	
0172	520.3315	Culvert Pipe Class III-A 15-Inch	LF	45.000		45.000	
0174	520.3318	Culvert Pipe Class III-A 18-Inch	LF	34.000	34.000		
0176	520.8000	Concrete Collars for Pipe	EACH	17.000	5.000	12.000	
0178	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	1.000		1.000	
0180	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	1.000		1.000	
0182	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	7.000	2.000	5.000	
0184	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	1.000		1.000	
0186	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	4.000		4.000	
0188	522.1048	Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	EACH	5.000		5.000	
0190	522.1060	Apron Endwalls for Culvert Pipe Reinforced Concrete 60-Inch	EACH	2.000		2.000	
0192	524.0115	Culvert Pipe Salvaged 15-Inch	LF	40.000		40.000	
0194	524.0618	Apron Endwalls for Culvert Pipe Salvaged 18-Inch	EACH	1.000		1.000	

Line	Item	Item Description	Unit	Total	5310-02-75 Qty	5992-11-01 Qty	5992-11-02 Qty
0196	550.0020	Pre-Boring Rock or Consolidated Materials	LF	18.000		18.000	
0198	550.1100	Piling Steel HP 10-Inch X 42 Lb	LF	126.000		126.000	
0200	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	617.000		617.000	
0202	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	564.000	290.000	274.000	
0204	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	2,672.000	2,672.000		
0206	601.0580	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type R	LF	855.000		855.000	
0208	601.0600	Concrete Curb Pedestrian	LF	629.000		629.000	
0210	602.0410	Concrete Sidewalk 5-Inch	SF	64,770.000	6,245.000	58,525.000	
0212	602.0420	Concrete Sidewalk 7-Inch	SF	20,285.000		20,285.000	
0214	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	990.000	130.000	860.000	
0216	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	60.000		60.000	
0218	603.8000	Concrete Barrier Temporary Precast Delivered	LF	5,940.000	500.000	5,440.000	
0220	603.8125	Concrete Barrier Temporary Precast Installed	LF	5,940.000	500.000	5,440.000	
0222	603.8500	Anchoring Concrete Barrier Temporary Precast	LF	2,620.000	170.000	2,450.000	
0224	604.0400	Slope Paving Concrete	SY	12.000		12.000	
0226	606.0100	Riprap Light	CY	30.000		30.000	
0228	606.0200	Riprap Medium	CY	80.000	30.000	50.000	
0230	606.0300	Riprap Heavy	CY	210.000		210.000	
0232	606.0700	Grouted Riprap Heavy	CY	235.000		235.000	
0234	608.0005	Storm Sewer Rock Excavation	CY	340.000		340.000	
0236	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	5,104.000	349.000	4,755.000	
0238	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	313.000	14.000	299.000	
0240	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	4,298.000	251.000	4,047.000	
0242	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	920.000	45.000	875.000	
0244	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	873.000		873.000	
0246	608.0436	Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	LF	474.000		474.000	
0248	608.0442	Storm Sewer Pipe Reinforced Concrete Class IV 42-Inch	LF	600.000		600.000	
0250	608.0448	Storm Sewer Pipe Reinforced Concrete Class IV 48-Inch	LF	1,181.000		1,181.000	
0252	608.0518	Storm Sewer Pipe Reinforced Concrete Class V 18-Inch	LF	52.000		52.000	
0254	608.0524	Storm Sewer Pipe Reinforced Concrete Class V 24-Inch	LF	86.000		86.000	
0256	608.0548	Storm Sewer Pipe Reinforced Concrete Class V 48-Inch	LF	99.000		99.000	
0258	608.0560	Storm Sewer Pipe Reinforced Concrete Class V 60-Inch	LF	356.000		356.000	
0260	608.2429	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch	LF	114.000		114.000	
0262	611.0420	Reconstructing Manholes	EACH	1.000		1.000	
0264	611.0430	Reconstructing Inlets	EACH	2.000		2.000	
0266	611.0530	Manhole Covers Type J	EACH	21.000		21.000	
0268	611.0535	Manhole Covers Type J-Special	EACH	12.000	1.000	4.000	7.000
0270	611.0545	Manhole Covers Type L	EACH	2.000		2.000	
0272	611.0603	Inlet Covers Type A-S	EACH	5.000		5.000	
0274	611.0612	Inlet Covers Type C	EACH	2.000		2.000	
0276	611.0624	Inlet Covers Type H	EACH	114.000	7.000	107.000	
0278	611.0627	Inlet Covers Type HM	EACH	4.000	4.000		
0280	611.0639	Inlet Covers Type H-S	EACH	27.000		27.000	
0282	611.0642	Inlet Covers Type MS	EACH	5.000		5.000	
0284	611.0645	Inlet Covers Type MS-A	EACH	9.000		9.000	
0286	611.0651	Inlet Covers Type S	EACH	1.000		1.000	
0288	611.0652	Inlet Covers Type T	EACH	6.000		6.000	
0290	611.2004	Manholes 4-FT Diameter	EACH	10.000	1.000	9.000	
0292	611.2005	Manholes 5-FT Diameter	EACH	13.000	2.000	11.000	

					5310-02-75	5992-11-01	5992-11-02
Line	Item	Item Description	Unit	Total	Qty	Qty	Qty
0294	611.2006	Manholes 6-FT Diameter	EACH	6.000		6.000	
0296	611.2007	Manholes 7-FT Diameter	EACH	18.000		18.000	
0298	611.2008	Manholes 8-FT Diameter	EACH	4.000		4.000	
0300	611.3003	Inlets 3-FT Diameter	EACH	5.000		5.000	
0302	611.3004	Inlets 4-FT Diameter	EACH	49.000	2.000	47.000	
0304	611.3220	Inlets 2x2-FT	EACH	1.000		1.000	
0306	611.3230	Inlets 2x3-FT	EACH	76.000	7.000	69.000	
0308	611.3901	Inlets Median 1 Grate	EACH	10.000		10.000	
0310	611.3902	Inlets Median 2 Grate	EACH	2.000		2.000	
0312	611.8110	Adjusting Manhole Covers	EACH	1.000		1.000	
0314	611.8115	Adjusting Inlet Covers	EACH	3.000		3.000	
0316	611.8120.S	Cover Plates Temporary	EACH	25.000		15.000	10.000
0318	611.9800.S	Pipe Grates	EACH	21.000	2.000	19.000	
0320	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	28.000		28.000	
0322	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	5,205.000	322.000	4,883.000	
0324	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-Inch	SY	434.000			434.000
0326	614.0905	Crash Cushions Temporary	EACH	17.000	4.000	13.000	
0328	616.0406	Fence Chain Link Salvaged 6-FT	LF	16.000		16.000	
0330	616.0700.S	Fence Safety	LF	1,267.000		1,267.000	
0332	618.0100	Maintenance And Repair of Haul Roads (project) 01. 5310-02-75	EACH	1.000	1.000		
0334	619.1000	Mobilization	EACH	1.000	0.080	0.820	0.100
0336	620.0300	Concrete Median Sloped Nose	SF	1,604.000	176.000	1,428.000	
0338	623.0200	Dust Control Surface Treatment	SY	67,300.000	7,600.000	59,700.000	
0340	624.0100	Water	MGAL	1,484.100	186.700	1,297.400	
0342	625.0100	Topsoil	SY	111,621.000	8,775.000	102,846.000	
0344	627.0200	Mulching	SY	55,605.000	7,925.000	47,680.000	
0346	628.1504	Silt Fence	LF	17,820.000	1,385.000	16,435.000	
0348	628.1520	Silt Fence Maintenance	LF	35,650.000	2,780.000	32,870.000	
0350	628.1905	Mobilizations Erosion Control	EACH	27.000	12.000	15.000	
0352	628.1910	Mobilizations Emergency Erosion Control	EACH	20.000	10.000	10.000	
0354	628.2002	Erosion Mat Class I Type A	SY	43,465.000	1,930.000	41,535.000	
0356	628.2027	Erosion Mat Class II Type C	SY	16,619.000		16,619.000	
0358	628.2039	Erosion Mat Class III Type D	SY	2,832.000		2,832.000	
0360	628.7005	Inlet Protection Type A	EACH	162.000	10.000	152.000	
0362	628.7010	Inlet Protection Type B	EACH	20.000	1.000	19.000	
0364	628.7015	Inlet Protection Type C	EACH	125.000	11.000	114.000	
0366	628.7020	Inlet Protection Type D	EACH	39.000	1.000	38.000	
0368	628.7504	Temporary Ditch Checks	LF	2,363.000	38.000	2,325.000	
0370	628.7515.S	Stone Ditch Checks	CY	21.000		21.000	
0372	628.7555	Culvert Pipe Checks	EACH	57.000	4.000	53.000	
0374	628.7560	Tracking Pads	EACH	21.000	10.000	11.000	
0376	629.0210	Fertilizer Type B	CWT	60.800	5.700	55.100	
0378	630.0110	Seeding Mixture No. 10	LB	394.500	11.900	382.600	
0380	630.0140	Seeding Mixture No. 40	LB	648.800	110.500	538.300	
0382	630.0500	Seed Water	MGAL	2,338.600	162.100	2,176.500	
0384	631.0300	Sod Water	MGAL	759.400	38.300	721.100	
0386	631.1000	Sod Lawn	SY	28,250.000	1,700.000	26,550.000	
0388	631.1100	Sod Erosion Control	SY	4.000	4.000		
0390	632.0101	Trees (species) (size) (root) 01. Chokeberry, common, Prunus virginiana, B&B, 1.5"	EACH	13.000		13.000	

Line	Item	Item Description	Unit	Total	5310-02-75 Qty	5992-11-01 Qty	5992-11-02 Qty
		CAL.					
0392	632.0101	Trees (species) (size) (root) 02. Hawthorn, Cockspur, Crataegus crusgalli, B&B, 1.5" CAL.	EACH	12.000		12.000	
0394	632.0101	Trees (species) (size) (root) 03. Maple, Amur, Acer Ginnala, B&B, 1.5" CAL.	EACH	10.000		10.000	
0396	632.0101	Trees (species) (size) (root) 04. Redbud, Eastern, Cercis canadensis, B&B, 1.5" CAL.	EACH	11.000		11.000	
0398	632.0101	Trees (species) (size) (root) 05. Maple, Miyabei, Acer miyabei, B&B, 2" CAL.	EACH	13.000		13.000	
0400	632.0101	Trees (species) (size) (root) 06. Yellowwood, Fabaceae, B&B, 2" CAL.	EACH	13.000		13.000	
0402	632.0101	Trees (species) (size) (root) 07. Coffeetree, Kentucky, Gymnocladus dioicus, B&B, 2" CAL.	EACH	8.000		8.000	
0404	632.0101	Trees (species) (size) (root) 08. Hackberry, Common, Cletis occidentalis, B&B, 2" CAL.	EACH	7.000		7.000	
0406	632.0101	Trees (species) (size) (root) 09. Honeylocust, Common Thornless, Gleditsia triacanthos inermis, B&B, 2" CAL.	EACH	6.000		6.000	
0408	632.0101	Trees (species) (size) (root) 10. Maple, Freeman, Acer X Freemanii, B&B, 2" CAL.	EACH	6.000		6.000	
0410	632.0101	Trees (species) (size) (root) 11. Oak, Bur, Quercus macrocarpa, B&B, 2" CAL.	EACH	6.000		6.000	
0412	632.0101	Trees (species) (size) (root) 12. Oak, Swamp White, Quercus bicolor, B&B, 2" CAL.	EACH	6.000		6.000	
0414	632.0101	Trees (species) (size) (root) 13. Spruce, White, Picea glauca, B&B, 6' HT.	EACH	92.000		92.000	
0416	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	10.000		10.000	
0418	633.5200	Markers Culvert End	EACH	20.000	4.000	16.000	
0420	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	5.000	5.000		
0422	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	17.000	17.000		
0424	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	11.000	11.000		
0426	637.2210	Signs Type II Reflective H	SF	504.610	158.500	346.110	
0428	637.2215	Signs Type II Reflective H Folding	SF	40.200	40.200		
0430	637.2230	Signs Type II Reflective F	SF	161.000	28.000	133.000	
0432	638.2102	Moving Signs Type II	EACH	18.000	18.000		
0434	638.2602	Removing Signs Type II	EACH	11.000	11.000		
0436	638.3000	Removing Small Sign Supports	EACH	53.000	25.000	28.000	
0438	640.1303.S	Pond Liner Clay	CY	15,305.000		15,305.000	
0440	643.0300	Traffic Control Drums	DAY	100,479.000	18,280.000	82,199.000	
0442	643.0410	Traffic Control Barricades Type II	DAY	4,693.000	80.000	4,613.000	
0444	643.0420	Traffic Control Barricades Type III	DAY	34,737.000	2,423.000	32,314.000	
0446	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	9.000	9.000		
0448	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	9.000	9.000		
0450	643.0705	Traffic Control Warning Lights Type A	DAY	67,044.000	4,849.000	62,195.000	
0452	643.0715	Traffic Control Warning Lights Type C	DAY	14,207.000	1,692.000	12,515.000	
0454	643.0800	Traffic Control Arrow Boards	DAY	65.000	65.000		
0456	643.0900	Traffic Control Signs	DAY	79,760.000	12,115.000	67,645.000	
0458	643.0910	Traffic Control Covering Signs Type I	EACH	6.000	6.000		
0460	643.0920	Traffic Control Covering Signs Type II	EACH	17.000	17.000		
0462	643.1000	Traffic Control Signs Fixed Message	SF	146.200		146.200	
0464	643.1050	Traffic Control Signs PCMS	DAY	89.000	49.000	40.000	
0466	643.5000	Traffic Control	EACH	1.000	0.080	0.920	
0468	644.1410	Temporary Pedestrian Surface Asphalt	SF	3,465.000		3,465.000	
0470	644.1420	Temporary Pedestrian Surface Plywood	SF	100.000		100.000	
0472	644.1430	Temporary Pedestrian Surface Plate	SF	100.000		100.000	
0474	644.1601	Temporary Pedestrian Curb Ramp	DAY	853.000		853.000	
0476	644.1810	Temporary Pedestrian Barricade	LF	100.000		100.000	
0478	645.0120	Geotextile Type HR	SY	2,925.000	90.000	2,835.000	
0480	645.0130	Geotextile Type R	SY	165.000		165.000	
0482	645.0140	Geotextile Type SAS	SY	1,295.000		1,295.000	

Line	Item	Item Description	Unit	Total	5310-02-75 Qty	5992-11-01 Qty	5992-11-02 Qty
0484	646.1020	Marking Line Epoxy 4-Inch	LF	21,331.000	5,254.000	16,077.000	
0486	646.3020	Marking Line Epoxy 8-Inch	LF	5,017.000	2,232.000	2,785.000	
0488	646.5020	Marking Arrow Epoxy	EACH	47.000	17.000	30.000	
0490	646.5120	Marking Word Epoxy	EACH	7.000	7.000		
0492	646.5320	Marking Railroad Crossings Epoxy	EACH	4.000	2.000	2.000	
0494	646.6120	Marking Stop Line Epoxy 18-Inch	LF	227.000	213.000	14.000	
0496	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	268.000		268.000	
0498	646.6464	Cold Weather Marking Epoxy 4-Inch	LF	16,647.000	670.000	15,977.000	
0500	646.7120	Marking Diagonal Epoxy 12-Inch	LF	49.000	27.000	22.000	
0502	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,474.000	395.000	1,079.000	
0504	646.8120	Marking Curb Epoxy	LF	662.000	181.000	481.000	
0506	646.8220	Marking Island Nose Epoxy	EACH	21.000	4.000	17.000	
0508	646.9010	Marking Removal Line Water Blasting 4-Inch	LF	10,329.000	2,165.000	8,164.000	
0510	646.9210	Marking Removal Line Water Blasting Wide	LF	642.000	15.000	627.000	
0512	646.9310	Marking Removal Special Marking Water Blasting	EACH	9.000	5.000	4.000	
0514	649.0105	Temporary Marking Line Paint 4-Inch	LF	27,865.000	1,520.000	26,345.000	
0516	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	46,985.000	7,422.000	39,563.000	
0518	649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	440.000	50.000	390.000	
0520	649.0550	Temporary Marking Arrow Removable Tape	EACH	1.000	1.000		
0522	649.0850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	294.000	20.000	274.000	
0524	650.4000	Construction Staking Storm Sewer	EACH	239.000	19.000	220.000	
0526	650.4500	Construction Staking Subgrade	LF	20,040.000	3,565.000	16,475.000	
0528	650.5000	Construction Staking Base	LF	20,040.000	3,565.000	16,475.000	
0530	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	36,850.000	4,689.000	32,161.000	
0532	650.6500	Construction Staking Structure Layout (structure) 01. B-13-892	LS	1.000		1.000	
0534	650.6500	Construction Staking Structure Layout (structure) 02. R-13-362	LS	1.000		1.000	
0536	650.6500	Construction Staking Structure Layout (structure) 03. R-13-363	LS	1.000		1.000	
0538	650.6500	Construction Staking Structure Layout (structure) 04. R-13-364	LS	1.000		1.000	
0540	650.6500	Construction Staking Structure Layout (structure) 05. R-13-365	LS	1.000		1.000	
0542	650.6500	Construction Staking Structure Layout (structure) 06. R-13-366	LS	1.000		1.000	
0544	650.6500	Construction Staking Structure Layout (structure) 07. R-13-367	LS	1.000		1.000	
0546	650.6500	Construction Staking Structure Layout (structure) 08. R-13-368	LS	1.000		1.000	
0548	650.6500	Construction Staking Structure Layout (structure) 09. R-13-369	LS	1.000		1.000	
0550	650.8500	Construction Staking Electrical Installations (project) 01. 5992-11-01	LS	1.000		1.000	
0552	650.8500	Construction Staking Electrical Installations (project) 02. 5310-02-75	LS	1.000	1.000		
0554	650.9000	Construction Staking Curb Ramps	EACH	52.000	14.000	38.000	
0556	650.9910	Construction Staking Supplemental Control (project) 01. 5992-11-01	LS	1.000		1.000	
0558	650.9910	Construction Staking Supplemental Control (project) 02. 5310-02-75	LS	1.000	1.000		
0560	650.9920	Construction Staking Slope Stakes	LF	20,040.000	3,565.000	16,475.000	
0562	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	7,380.000	397.000	6,983.000	
0564	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	6,177.000	403.000	5,774.000	
0566	652.0615	Conduit Special 3-Inch	LF	1,029.000	1,029.000		
0568	652.0700.S	Install Conduit into Existing Item	EACH	2.000		2.000	
0570	653.0140	Pull Boxes Steel 24x42-Inch	EACH	25.000		25.000	
0572	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	14.000	14.000		
0574	653.0905	Removing Pull Boxes	EACH	12.000	10.000	2.000	
0576	654.0101	Concrete Bases Type 1	EACH	3.000	3.000		
0578	654.0102	Concrete Bases Type 2	EACH	4.000	4.000		
0580	654.0105	Concrete Bases Type 5	EACH	30.000	2.000	28.000	

					5310-02-75	5992-11-01	5992-11-02
Line	Item	Item Description	Unit	Total	Qty	Qty	Qty
0582	654.0113	Concrete Bases Type 13	EACH	2.000	2.000		
0584	654.0120	Concrete Bases Type 10-Special	EACH	2.000	2.000		
0586	654.0215	Concrete Control Cabinet Bases Type 9	EACH	1.000	1.000		
0588	654.0230	Concrete Control Cabinet Bases Type L30	EACH	2.000		2.000	
0590	655.0250	Cable Traffic Signal 9-14 AWG	LF	1,240.000	1,240.000		
0592	655.0260	Cable Traffic Signal 12-14 AWG	LF	1,598.000	1,598.000		
0594	655.0270	Cable Traffic Signal 15-14 AWG	LF	980.000	980.000		
0596	655.0305	Cable Type UF 2-12 AWG Grounded	LF	2,678.000	2,678.000		
0598	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	824.000	824.000		
0600	655.0610	Electrical Wire Lighting 12 AWG	LF	18,394.000	1,024.000	17,370.000	
0602	655.0615	Electrical Wire Lighting 10 AWG	LF	11,656.000		11,656.000	
0604	655.0625	Electrical Wire Lighting 6 AWG	LF	29,052.000	186.000	28,866.000	
0606	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. Pleasant View Road & Blackhawk Road	LS	1.000		1.000	
0608	656.0200	Electrical Service Meter Breaker Pedestal (location) 02. Pleasant View Road & Greenway Blvd	LS	1.000		1.000	
0610	656.0200	Electrical Service Meter Breaker Pedestal (location) 03. Pleasant View Road & Quarry Road	LS	1.000		1.000	
0612	657.0100	Pedestal Bases	EACH	3.000	3.000		
0614	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	4.000	4.000		
0616	657.0315	Poles Type 4	EACH	4.000	4.000		
0618	657.0352	Poles Type 10-Special	EACH	2.000	2.000		
0620	657.0360	Poles Type 13	EACH	2.000	2.000		
0622	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	3.000	3.000		
0624	657.0541	Monotube Arms 40-FT-Special	EACH	2.000	2.000		
0626	657.0550	Monotube Arms 50-FT	EACH	2.000	2.000		
0628	657.0709	Luminaire Arms Truss Type 4-Inch Clamp 12-FT	EACH	4.000	4.000		
0630	657.0812	Luminaire Arms Steel 12-FT	EACH	4.000	4.000		
0632	657.0820	Luminaire Arms Steel Type 10 Pole Clamp 15-FT	EACH	1.000	1.000		
0634	657.0825	Luminaire Arms Steel Type 13 Pole Clamp 15-FT	EACH	1.000	1.000		
0636	658.0173	Traffic Signal Face 3S 12-Inch	EACH	12.000	12.000		
0638	658.0174	Traffic Signal Face 4S 12-Inch	EACH	11.000	11.000		
0640	658.0416	Pedestrian Signal Face 16-Inch	EACH	4.000	4.000		
0642	658.0500	Pedestrian Push Buttons	EACH	6.000	6.000		
0644	659.1125	Luminaires Utility LED C	EACH	8.000	8.000		
0646	659.2130	Lighting Control Cabinets 120/240 30-Inch	EACH	2.000		2.000	
0648	659.5000.S	Lamp, Ballast, LED, Switch Disposal by Contractor	EACH	22.000	22.000		
0650	661.0200	Temporary Traffic Signals for Intersections (location) 01. Pleasant View Road & Blackhawk Road	LS	1.000		1.000	
0652	661.0200	Temporary Traffic Signals for Intersections (location) 02. USH 14 and Pleasant View Road	LS	1.000	1.000		
0654	690.0150	Sawing Asphalt	LF	10,742.000	1,335.000	9,407.000	
0656	690.0250	Sawing Concrete	LF	4,177.000	3,970.000	207.000	
0658	715.0502	Incentive Strength Concrete Structures	DOL	500.000		500.000	
0660	740.0440	Incentive IRI Ride	DOL	11,180.000	620.000	10,560.000	
0662	999.1001.S	Seismograph 01. 5992-11-01	EACH	1.000		1.000	
0664	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,700.000	2,700.000		
0666	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	7,560.000	7,560.000		
0668	SPV.0035	Special 02. Field Stone Riprap D50, 1.5-FT	CY	397.000		397.000	
0670	SPV.0035	Special 03. Field Stone Riprap D50, 1-FT	CY	237.000		237.000	

Line	Item	Item Description	Unit	Total	5310-02-75 Qty	5992-11-01 Qty	5992-11-02 Qty
0672	SPV.0035	Special 04. Partially Grouted Field Stone Riprap D50, 2-FT	CY	181.000		181.000	
0674	SPV.0035	Special 05. Partially Grouted Field Stone Riprap D50, 1.5-FT	CY	42.000		42.000	
0676	SPV.0035	Special 06. Sanitary Sewer Rock Excavation	CY	1,133.700			1,133.700
0678	SPV.0035	Special 07. Water Main Rock Excavation	CY	846.100			846.100
0680	SPV.0060	Special 03. Sign Post Base For Concrete Installation	EACH	19.000		19.000	
0682	SPV.0060	Special 04. Precast Sign Post Base	EACH	54.000		54.000	
0684	SPV.0060	Special 05. Utility Line Opening (ULO)	EACH	57.000	10.000	31.000	16.000
0686	SPV.0060	Special 06. Storm Sewer Tap	EACH	1.000		1.000	
0688	SPV.0060	Special 07. Street Light Removal	EACH	6.000		6.000	
0690	SPV.0060	Special 08. Locate and Reference Property Corners	EACH	29.000	2.000	27.000	
0692	SPV.0060	Special 09. Reset Property Corners	EACH	29.000	2.000	27.000	
0694	SPV.0060	Special 11. Clay Anti-Seepage Collar	EACH	2.000		2.000	
0696	SPV.0060	Special 12. Clay Anti-Seepage Collar Twin 48-Inch SSPRC	EACH	1.000		1.000	
0698	SPV.0060	Special 13. Concrete Cutoff Wall	EACH	20.000	1.000	19.000	
0700	SPV.0060	Special 14. Pyramidal Inlet Grate 8X18	EACH	1.000		1.000	
0702	SPV.0060	Special 15. Inlet PV536	EACH	1.000		1.000	
0704	SPV.0060	Special 16. Inlet PV3581	EACH	1.000		1.000	
0706	SPV.0060	Special 17. Luminaires Single Arm LED-City of Madison	EACH	10.000		10.000	
0708	SPV.0060	Special 18. Luminaires Double Arm LED-City of Madison	EACH	14.000		14.000	
0710	SPV.0060	Special 19. Luminaires Single Arm LED-City of Middleton	EACH	3.000		3.000	
0712	SPV.0060	Special 20. Luminaires Double Arm LED-City of Middleton	EACH	27.000	2.000	25.000	
0714	SPV.0060	Special 21. Lighting Control Cabinet-City of Madison	EACH	1.000		1.000	
0716	SPV.0060	Special 22. Poles 30-FT 11 Gauge, Simplex-City of Madison	EACH	24.000		24.000	
0718	SPV.0060	Special 23. Poles 30-FT-City of Middleton	EACH	30.000	2.000	28.000	
0720	SPV.0060	Special 24. Concrete Base Type LB-3-City of Madison	EACH	24.000		24.000	
0722	SPV.0060	Special 25. Concrete Base Type P-City of Madison	EACH	1.000		1.000	
0724	SPV.0060	Special 26. Electrical Pullbox Type I-City of Madison	EACH	23.000		23.000	
0726	SPV.0060	Special 27. Manholes 9-FT Diameter	EACH	2.000		2.000	
0728	SPV.0060	Special 28. Inlet Covers Type DW	EACH	2.000		2.000	
0730	SPV.0060	Special 29. Terrace Inlet Type II	EACH	4.000		4.000	
0732	SPV.0060	Special 30. Weir Wall PV4154	EACH	1.000		1.000	
0734	SPV.0060	Special 31. Weir Wall PV4393	EACH	1.000		1.000	
0736	SPV.0060	Special 32. Weir Wall PV499	EACH	1.000		1.000	
0738	SPV.0060	Special 33. Weir Wall PV5095	EACH	1.000		1.000	
0740	SPV.0060	Special 34. Manhole Frame with Chimney	EACH	12.000			12.000
0742	SPV.0060	Special 35. Connect to Existing Sanitary Sewer	EACH	1.000			1.000
0744	SPV.0060	Special 36. Sanitary Sewer Access Structure (4-Foot Diameter)	EACH	9.000			9.000
0746	SPV.0060	Special 37. Sanitary Sewer Stub Cap	EACH	1.000			1.000
0748	SPV.0060	Special 38. Drop Sanitary Sewer Access Structure (5-Foot Diameter)	EACH	1.000			1.000
0750	SPV.0060	Special 39. Adjust Sanitary Sewer Access Structure Special	EACH	3.000			3.000
0752	SPV.0060	Special 40. Adjust Manhole Cover Special	EACH	6.000			6.000
0754	SPV.0060	Special 41. Abandon Sanitary Sewer Pipe Plug	EACH	1.000			1.000
0756	SPV.0060	Special 42. Construction Staking Sanitary Sewer	EACH	1.000			1.000
0758	SPV.0060	Special 43. Wastewater Control	EACH	1.000			1.000
0760	SPV.0060	Special 44. Sanitary Sewer Dewatering	EACH	1.000			1.000
0762	SPV.0060	Special 45. Salvage and Reset Hydrant with Auxiliary Valve	EACH	3.000			3.000
0764	SPV.0060	Special 46. Middleton Furnish and Install Hydrant	EACH	15.000			15.000
0766	SPV.0060	Special 47. Cut Off Existing Water Main	EACH	2.000			2.000
0768	SPV.0060	Special 48. Abandon Water Valve Box	EACH	5.000			5.000

					5310-02-75	5992-11-01	5992-11-02
Line	Item	Item Description	Unit	Total	Qty	Qty	Qty
0770	SPV.0060	Special 49. Abandon Hydrant	EACH	5.000			5.000
0772	SPV.0060	Special 50. Adjust Water Valve Box	EACH	13.000			13.000
0774	SPV.0060	Special 51. Furnish & Install Valve 6-Inch	EACH	15.000			15.000
0776	SPV.0060	Special 52. Furnish & Install Valve 10-Inch	EACH	1.000			1.000
0778	SPV.0060	Special 53. Furnish & Install Valve 12-Inch	EACH	12.000			12.000
0780	SPV.0060	Special 54. Furnish & Install Valve 10-Inch Live Tap	EACH	1.000			1.000
0782	SPV.0060	Special 55. Water Vault and Casting	EACH	13.000			13.000
0784	SPV.0060	Special 56. Adjust Water Vault and Casting	EACH	1.000			1.000
0786	SPV.0060	Special 57. Abandon Water Vault	EACH	3.000			3.000
0788	SPV.0060	Special 58. 12-Inch Check Valve, 2 12-Inch Isolation Valves and Vault	EACH	1.000			1.000
0790	SPV.0060	Special 59. Cut-In Connection	EACH	11.000			11.000
0792	SPV.0060	Special 60. Temporary Hydrant	EACH	1.000			1.000
0794	SPV.0060	Special 61. Construction Staking Water Main	EACH	1.000			1.000
0796	SPV.0060	Special 62. Water Main Dewatering	EACH	1.000			1.000
0798	SPV.0060	Special 63. Swallowtail Pond Outlet Control Structure	EACH	1.000		1.000	
0800	SPV.0060	Special 64. Pond Dewatering Swallowtail Pond	EACH	1.000		1.000	
0802	SPV.0060	Special 65. Pond Dewatering Pond D	EACH	1.000		1.000	
0804	SPV.0060	Special 66. Pond Dewatering Pond F	EACH	1.000		1.000	
0806	SPV.0060	Special 67. Transport State Furnished Cameras (USH 14 & Pleasant View Road)	EACH	2.000	2.000		
0808	SPV.0060	Special 68. Transport SF Radar Detection System (USH 14 & Pleasant View Rd)	EACH	2.000	2.000		
0810	SPV.0060	Special 69. Transport State Furnished Blank Out Sign (USH 14 & Pleasant View Rd)	EACH	4.000	4.000		
0812	SPV.0060	Special 70. Electrical Pullbox Type V-City of Madison	EACH	2.000		2.000	
0814	SPV.0060	Special 71. Electrical Pullbox Type VII-City of Madison	EACH	3.000		3.000	
0816	SPV.0060	Special 72. Construction Staking Stormwater Management Ponds	EACH	4.000		4.000	
0818	SPV.0060	Special 73. Remove Traffic Signals, Pleasant View Road & Blackhawk Road	EACH	1.000		1.000	
0820	SPV.0060	Special 74. Arch Facade Plates	EACH	1.000		1.000	
0822	SPV.0060	Special 75. Field Facilities Special	EACH	1.000	0.080	0.920	
0824	SPV.0085	Special 01. Detention Basin Seed Mix	LB	8.000		8.000	
0826	SPV.0085	Special 02. Tall Grass Prairie Seed Mix	LB	19.000		19.000	
0828	SPV.0085	Special 03. No Mow Lawn Seed	LB	295.000		295.000	
0830	SPV.0090	Special 01. Concrete Curb & Gutter 24-Inch Type A Special	LF	12.000		12.000	
0832	SPV.0090	Special 02. Concrete Curb & Gutter 24-Inch Type D Special	LF	13,623.000	743.000	12,880.000	
0834	SPV.0090	Special 03. Concrete Raised Median Nose Special	LF	32.000		32.000	
0836	SPV.0090	Special 04. Sign Post	LF	206.000		206.000	
0838	SPV.0090	Special 05. Reflective Sign Post	LF	564.000		564.000	
0840	SPV.0090	Special 06. Sawing Curb Head	LF	15.000		15.000	
0842	SPV.0090	Special 07. Abutment Anchorage	LF	42.000		42.000	
0844	SPV.0090	Special 08. Fence Chain Link Polymer-Coated 4-FT R-13-362	LF	100.000		100.000	
0846	SPV.0090	Special 09. Fence Chain Link Polymer-Coated 4-FT R-13-363	LF	230.000		230.000	
0848	SPV.0090	Special 10. Trenchless Storm Sewer Construction, 12-Inch	LF	30.000	30.000		
0850	SPV.0090	Special 11. Fence Chain Link Polymer-Coated 4-FT R-13-365	LF	120.000		120.000	
0852	SPV.0090	Special 12. Fence Chain Link Polymer-Coated 4-FT R-13-366	LF	470.000		470.000	
0854	SPV.0090	Special 13. Fence Chain Link Polymer-Coated 4-FT R-13-367	LF	250.000		250.000	
0856	SPV.0090	Special 14. Fence Chain Link Polymer-Coated 4-FT R-13-369	LF	550.000	317.000	233.000	
0858	SPV.0090	Special 15. Fence Chain Link Polymer-Coated 4-FT Landscape Walls	LF	447.000		447.000	
0860	SPV.0090	Special 16. Storm Sewer Pipe PVC 10-Inch	LF	135.000	135.000		
0862	SPV.0090	Special 17. Trenchless Storm Sewer Construction, 48-Inch	LF	50.000		50.000	
0864	SPV.0090	Special 18. Sanitary Sewer Pipe PVC, 8-Inch	LF	1,536.000			1,536.000
0866	SPV.0090	Special 19. Sanitary Sewer Pipe PVC, 10-Inch	LF	180.000			180.000

					5310-02-75	5992-11-01	5992-11-02
Line	Item	Item Description	Unit	Total	Qty	Qty	Qty
0868	SPV.0090	Special 20. Select Fill for Sanitary Sewer	LF	1,716.000			1,716.000
0870	SPV.0090	Special 21. 10-Inch Diameter Sanitary Sewer Inside Casing	LF	30.000			30.000
0872	SPV.0090	Special 22. Water Main 20-Inch Casing Pipe	LF	280.000			280.000
0874	SPV.0090	Special 23. 12-Inch Trenchless Water Main	LF	280.000			280.000
0876	SPV.0090	Special 24. Furnish and Install Water Main Pipe & Fittings-City of Madison 6-Inch	LF	30.000			30.000
0878	SPV.0090	Special 25. Furnish and Install Water Main Pipe & Fittings-City of Madison 12-Inch	LF	28.000			28.000
0880	SPV.0090	Special 26. Furnish and Install Water Main Pipe & Fittings-City of Middleton 6-Inch	LF	279.000			279.000
0882	SPV.0090	Special 27. Furnish and Install Water Main Pipe & Fittings-City of Middleton 10-Inch	LF	104.000			104.000
0884	SPV.0090	Special 28. Furnish and Install Water Main Pipe & Fittings-City of Middleton 12-Inch	LF	4,076.000			4,076.000
0886	SPV.0090	Special 29. Select Fill for Water Main	LF	4,799.000			4,799.000
0888	SPV.0090	Special 30. Parapet Concrete Type 'TX'	LF	1,120.000		1,120.000	
0890	SPV.0090	Special 31. Concrete Curb & Gutter 30-Inch Type A Special	LF	28.000		28.000	
0892	SPV.0090	Special 32. Concrete Curb & Gutter 30-Inch Type D Special	LF	18,571.000	1,009.000	17,562.000	
0894	SPV.0090	Special 33. Fiber Optic Cable 144-Count	LF	3,834.000		3,834.000	
0896	SPV.0090	Special 34. Marking Line Epoxy 6-Inch	LF	3,377.000	229.000	3,148.000	
0898	SPV.0090	Special 35. Milling and Removing Longitudinal Joint	LF	1,500.000		1,500.000	
0900	SPV.0120	Special 01. Water for Detention Pond	MGAL	3,484.000		3,484.000	
0902	SPV.0165	Special 01. Wall Concrete Panel Mechanically Stabilized Earth R-13-363	SF	1,585.000		1,585.000	
0904	SPV.0165	Special 02. Wall Concrete Panel Mechanically Stabilized Earth R-13-364	SF	5,130.000		5,130.000	
0906	SPV.0165	Special 03. Wall Concrete Panel Mechanically Stabilized Earth R-13-365	SF	570.000		570.000	
0908	SPV.0165	Special 04. Wall Concrete Panel Mechanically Stabilized Earth R-13-366	SF	6,235.000		6,235.000	
0910	SPV.0165	Special 05. Wall Concrete Panel Mechanically Stabilized Earth R-13-367	SF	2,405.000		2,405.000	
0912	SPV.0165	Special 06. Wall Concrete Panel Mechanically Stabilized Earth R-13-368	SF	6,125.000		6,125.000	
0914	SPV.0165	Special 07. Wall Concrete Panel Mechanically Stabilized Earth R-13-369	SF	3,945.000	2,500.000	1,445.000	
0916	SPV.0165	Special 08. Wall Modular Block Gravity Landscape Station 152+60	SF	600.000		600.000	
0918	SPV.0165	Special 09. Wall Modular Block Gravity Landscape Station 175+25	SF	165.000		165.000	
0920	SPV.0165	Special 10. Wall Modular Block Gravity Landscape Station 11+40 NS	SF	1,560.000		1,560.000	
0922	SPV.0165	Special 11. Wall Modular Block Gravity R-13-362	SF	450.000		450.000	
0924	SPV.0165	Special 12. Wall Modular Block Gravity Landscape Station 142+40	SF	60.000		60.000	
0926	SPV.0165	Special 13. Architectural Surface Treatment, Special	SF	1,845.000		1,845.000	
0928	SPV.0170	Special 01. Pavement Cleanup	STA	199.000	44.000	155.000	
0930	SPV.0180	Special 01. Concrete Approach Slab, 6-Inch	SY	22.000		22.000	
0932	SPV.0180	Special 03. Access Stabilization Geocell	SY	1,413.000		1,413.000	
0934	SPV.0180	Special 04. Detention Basin Plug Mix	SY	1,450.000		1,450.000	

CLEARING AND GRUBBING

CATEGORY	STATION - STATION	LOCATION	201.0105 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID
0010	178+25.	LT	---	42	---	42
	179+00 - 180+00	LT	1	---	1	---
	184+37.4	LT	---	16	---	16
	184+93.4	LT	---	8	---	8
		TOTALS	1	66	1	66

REMOVING CONCRETE PAVEMENT

CATEGORY	STATION - STATION	LOCATION	204.0100 SY	REMARKS
0010	96+70U - 101+58U	USH 14 EB RT TURN LANE	520	9" CONC. BASE
	96+98U - 98+52U	USH 14 EB LT TURN LANE	110	9" CONC. BASE
	98+97U - 99+39.7U	USH 14 WB MEDIAN	30	9" CONC. BASE
	100+36.4U - 100+92U	USH 14 EB MEDIAN	35	9" CONC. BASE
	TOTAL		695	

REMOVING CURB & GUTTER

CATEGORY	STATION - STATION	LOCATION	204.0150 LF
0010	181+52.1 - 100+56.6U	RT	80
	181+55.5 - 99+18.9U	RT	70
	183+12.3 - 185+62.3	MEDIAN	330
	98+94.7U - 183+10.2	LT	35
	183+67.5 - 183+85.5	LT	20
	185+29.6 - 185+72.5	LT	45
	TOTAL		580

REMOVING UTILITY POLES

CATEGORY	STATION	LOCATION	204.0205 EACH	REMARKS
0010	179+48.0	27.0' RT	1	NEAR DRIVEWAY GATE
		TOTAL	1	

REMOVING MASONRY

CATEGORY	LOCATION	204.0185 CY	REMARKS
0010	UNDISTRIBUTED	4	FOR REMOVAL OF MISC. ABANDONED STRUCTURES IF ENCOUNTERED

REMOVING CONCRETE BASES

CATEGORY	STATION	LOCATION	204.0195* EACH	REMARKS
0010	179+48.0	27.0' RT	1	DRIVEWAY GATE BASE
	179+48.0	32.0' RT	1	PRIVATE LIGHT POLE BASE
	181+65.0	14.5 RT	1	TRAFFIC SIGNAL BASE
	181+69.2	40.2 LT	1	TRAFFIC SIGNAL BASE
	181+90.2	76.6 LT	1	TRAFFIC SIGNAL BASE
	181+98.7	67.1 RT	1	TRAFFIC SIGNAL BASE
	182+52.0	74.0 LT	1	TRAFFIC SIGNAL BASE
	182+57.0	50.0 RT	1	TRAFFIC SIGNAL BASE
	183+12.1	109.0 LT	1	TRAFFIC SIGNAL BASE
	183+20.4	12.3 LT	1	TRAFFIC SIGNAL BASE
	183+23.4	87.1 RT	1	TRAFFIC SIGNAL BASE
	183+49.8	63.6 LT	1	TRAFFIC SIGNAL BASE
	183+58.4	39.7 RT	1	TRAFFIC SIGNAL BASE
		TOTAL	13	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING BUILDING

CATEGORY	STATION	LOCATION	204.0230 LS	REMARKS
0020	03. STATION 179+60	LT	1	RESIDENTIAL HOUSE

REMOVING FENCE

CATEGORY	STATION - STATION	LOCATION	204.0170 LF
0060	178+00 - 181+10	RT	300

3

EARTHWORK SUMMARY

CATEGORY	STAGE	ALIGNMENT	STATION	-	STATION	205.0100 EXCAVATION COMMON (1) CUT (2) CY	205.0100 EXCAVATION COMMON (1) EBS EXCAVATION (3) 5% OF CUT CY	UNUSABLE PAVEMENT MATERIAL CY	STRUCTURE EXCAVATION (10) CY	AVAILABLE MATERIAL (4) CY	EXPANDED EBS BACKFILL (5) FACTOR 1.25 CY	UNEXPANDED FILL CY	EXPANDED FILL (6) FACTOR 1.25 CY	MASS ORDINATE +/- (7)	WASTE (8) CY	*312.0110 SELECT CRUSHED MATERIAL (9) TON	*624.0100 WATER (FOR DUST CONTROL) MGAL
0010	STAGE 1	NB ALI	178+00.00	-	181+50.00	187	9	0	0	187	12	81	102	85	97	20	1
	FINAL	NB ALI	178+00.00	-	182+12.38	1,056	53	0	346	1,402	66	3,519	4,399	-2,997	-2,931	116	3
			183+10.06	-	185+50	724	36	0	0	724	45	0	0	724	769	79	2
		U ALI	94+13.11	-	100+00	1,006	50	106	0	901	63	333	417	484	547	110	3
			100+00	-	108+26	1,539	77	90	0	1,449	96	563	703	746	842	168	4
			TOTALS			4,513	226	196	346	4,663	282	4,497	5,621	-958	-676	494	13
			ITEM TOTALS				4,739										

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

1) EXCAVATION COMMON IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100.
2) UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL.
4) AVAILABLE MATERIAL = CUT + STRUCTURE EXCAVATION - UNUSABLE PAVEMENT MATERIAL.
5) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
6) EXPANDED FILL = (UNEXPANDED FILL)* EXPANDED FILL FACTOR. EXPANDED FILL FACTOR = 1.25.
7) MASS ORDINATE: MASS ORDINATE = CUT - UNUSABLE PAVEMENT MATERIAL - EXPANDED FILL + STRUCTURE EXCAVATION
   PLUS MASS ORDINATE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS MASS ORDINATE QUANTITY INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
8) WASTE = MASS ORDINATE + EXPANDED EBS BACKFILL
9) SELECT CRUSHED MATERIAL IS USED FOR BACKFILL OF EBS.
10) STRUCTURE EXCAVATION FOR INFORMATION ONLY; STRUCTURE EXCAVATION DOES NOT INCLUDE ROCK EXCAVATION WITHIN THE STRUCTURE EXCAVATION LIMITS.

FINISHING ROADWAY

CATEGORY	PROJECT	213.0100.02 EACH
0010	5310-02-75	1.00

CONCRETE DRIVEWAY ITEMS

CATEGORY	STATION	OFFSET	416.0170 7-INCH SY
0010	178+81	LT	26

BASE AGGREGATE DENSE

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	* 312.0110 SELECT CRUSHED MATERIAL TON	* 624.0100 WATER (FOR COMPACTION) MGAL	624.0100 WATER (FOR DUST CONTROL) MGAL
0010	STAGE 1	178+00 - 181+37	TEMP WIDENING RT	---	380	---	5.6	0.8
		181+47 - 181+76	TEMP WIDENING RT	---	20	---	0.3	0.0
		SUBTOTALs STAGE 1		0	400	0	5.9	0.8
	STAGE 2	177+88.92SB - 181+23.77SB	SOUTHBOUND	---	990	1,150	32.3	2.0
	STAGE 2	181+33.86SB - 181+99.71SB	SOUTHBOUND	---	370	440	12.1	0.7
	STAGE 2	183+10.06 - 186+20.00	SOUTHBOUND LEFT TURN	---	530	580	16.6	1.1
	STAGE 2	94+33.09U - 98+79.77U	USH 14 EB RT TURN LANE	20	440	---	6.9	0.9
	STAGE 2	100+94.30U - 102+68.33U	USH 14 WB RT TURN LANE	---	130	---	2.0	0.3
	STAGE 2	102+68.37U - 104+60.00U	USH 14 WB RT TURN LANE	1	130	---	1.9	0.3
	STAGE 2	178+81.13	P.E. LT	---	15	---	0.2	0.0
		SUBTOTALs STAGE 2		21	2,605	2,170	72.0	5.3
	STAGE 3	178+00.00 - 181+36.42	NORTHBOUND	---	1,250	1,450	40.7	2.5
	STAGE 3	181+46.49 - 182+12.38	NORTHBOUND	---	400	470	13.0	0.8
		SUBTOTALS STAGE 3		0	1,650	1,920	53.7	3.3
	STAGE 4	94+52.12U - 98+82.99U	USH 14 WB MEDIAN	1	310	---	4.6	0.6
	STAGE 4	94+13.11U - 98+51.90U	USH 14 EB LT TURN LANE	2	340	---	5.1	0.7
	STAGE 4	98+73.25U - 99+39.74U	USH 14 EB MEDIAN NOSE	---	65	---	0.9	0.1
	STAGE 4	100+36.37U - 103+19.38U	USH 14 WB LT TURN LANE	---	320	---	4.8	0.6
	STAGE 4	101+00.99U - 103+40.91U	USH 14 EB MEDIAN	---	170	---	2.6	0.3
	STAGE 4	103+06.39U - 108+25.51U	USH 14 WB LT TURN LANE	2	460	---	7.0	0.9
	STAGE 4	103+48.38U - 107+33.31U	USH 14 EB MEDIAN	1	270	---	4.0	0.5
		SUBTOTALS STAGE 4		6	1,935	0	29.0	3.7
		TOTALS		27	6,590	4,090	160.6	13.1

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE PAVEMENT ITEMS

CATEGORY	STAGE	STATION - STATION	LOCATION	320.0155 CONCRETE BASE 9-INCH SY	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH
0010	STAGE 2	94+33.09U - 98+79.77U	USH 14 EB RT TURN LANE	620	150	8
	STAGE 2	100+94.30U - 102+68.33U	USH 14 WB RT TURN LANE	230	60	---
	STAGE 2	102+68.37U - 104+60.00U	USH 14 WB RT TURN LANE	180	60	---
		SUBTOTALS STAGE 2		1,030	270	8
	STAGE 4	94+13.11U - 98+51.90U	USH 14 EB LT TURN LANE	500	150	8
	STAGE 4	98+73.25U - 99+39.74U	USH 14 WB MEDIAN NOSE	95	20	---
	STAGE 4	100+36.37U - 103+19.38U	USH 14 WB LT TURN LANE	700	85	---
	STAGE 4	103+06.39U - 108+25.51U	USH 14 WB LT TURN LANE	850	170	---
		SUBTOTALS STAGE 4		2,145	425	8
		TOTALS		3,175	695	16

ASPHALTIC ITEMS

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	* 455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6424 HMA PAVEMENT 4 MT 58-28 H TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (DRIVEWAYS) TON
0010	STAGE 2	177+88.92SB - 181+23.77SB	SOUTHBOUND	64	240	135	2
	STAGE 2	181+33.86SB - 181+99.71SB	SOUTHBOUND	28	105	58	---
	STAGE 2	183+10.06 - 186+20.00	SOUTHBOUND LEFT TURN	33	125	70	---
	STAGE 2	94+33.09U - 98+79.77U	USH 14 EB RT TURN LANE	37	---	96	---
	STAGE 2	100+94.30U - 102+68.33U	USH 14 WB RT TURN LANE	14	---	35	---
	STAGE 2	102+68.37U - 104+60.00U	USH 14 WB RT TURN LANE	11	---	29	---
		SUBTOTAL STAGE 2		187	470	423	2
0010	STAGE 3	178+00.00 - 181+36.42	NORTHBOUND	85	320	180	---
	STAGE 3	181+46.49 - 182+12.38	NORTHBOUND	29	110	62	---
		SUBTOTAL STAGE 3		114	430	242	0
0010	STAGE 4	94+52.12U - 98+82.99U	USH 14 WB MEDIAN	0	---	43	---
	STAGE 4	94+13.11U - 98+51.90U	USH 14 EB LT TURN LANE	30	---	77	---
	STAGE 4	98+73.25U - 99+39.74U	USH 14 WB MEDIAN NOSE	6	---	15	---
	STAGE 4	100+36.37U - 103+19.38U	USH 14 WB LT TURN LANE	42	---	110	---
	STAGE 4	101+00.99U - 103+40.91U	USH 14 EB MEDIAN	0	---	25	---
	STAGE 4	103+06.39U - 108+25.51U	USH 14 WB LT TURN LANE	51	---	130	---
	STAGE 4	103+48.38U - 107+33.31U	USH 14 EB MEDIAN	0	---	39	---
		SUBTOTAL STAGE 4		129	0	439	0
		GRAND TOTALS		430	900	1,104	2

NOTE: A CONVERSION FACTOR OF 112 LBS/SY/IN WAS USED TO ESTIMATE QUANTITIES FOR HMA PAVEMENT.
*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ASPHALTIC SURFACE TEMPORARY

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	* 455.0605 TACK COAT GAL	465.0125 ASPHALTIC SURFACE TEMPORARY TON
0010	STAGE 1	178+00 - 181+37	RT	24	110
	STAGE 1	181+47 - 181+76	RT	1	5
		TOTALS		25	115

*ADDITIONAL QUANTITIES LISTED ELSEWHERE
NOTE: A CONVERSION FACTOR OF 112 LBS/SY/IN WAS USED TO ESTIMATE QUANTITIES FOR HMA PAVEMENT.

ASPHALTIC FLUMES

CATEGORY	STAGE	STATION	LOCATION	465.0315 ASPHALTIC FLUMES SY	631.1100 SOD EROSION CONTROL SY	* 631.0300 SOD WATER MGAL
0010	STAGE 4	98+97 U	17'LT	4	2	0.05
		98+96 U	33'LT	4	2	0.05
			TOTALS	8	4	0.1

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

COLD PATCH

CATEGORY	LOCATION	495.1000.S TON	REMARKS
0010	UNDISTRIBUTED	5	FOR PATCHING EXISTING PAVEMENT DURING CONSTRUCTION

CONCRETE CURB & GUTTER SUMMARY

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	SPV.0090.02 CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL LF	SPV.0090.32 CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL LF	601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D LF	601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
0010	STAGE 2	177+88.92SB - 181+15.22SB	SOUTHBOUND OUTSIDE	---	325	---	---	325
	STAGE 2	177+88.92SB - 181+16.76SB	SOUTHBOUND MEDIAN	330	---	---	---	330
	STAGE 2	181+39.39 - 98+79.77U	SOUTHBOUND RADIUS	---	---	---	77	77
	STAGE 2	181+40.91SB - 181+70.31SB	SOUTHBOUND MEDIAN	30	---	---	---	30
	STAGE 2	98+94.67U - 183+10.18SB	SOUTHBOUND RADIUS	---	35	---	---	35
	STAGE 2	183+77.SB - 183+97.SB	SOUTHBOUND OUTSIDE	---	18	---	---	18
	STAGE 2	183+43.76 - 185+64.08	SOUTHBOUND MEDIAN	---	255	---	---	255
	STAGE 2	185+29.55SB - 185+72.51SB	SOUTHBOUND OUTSIDE	---	46	---	---	46
	STAGE 2	100+94.3U - 102+45.86U	USH 14 WB RT TURN LANE	---	---	---	150	150
	STAGE 2	102+80.95U - 104+50.U	USH 14 WB RT TURN LANE	---	---	---	170	170
		SUBTOTALS STAGE 2		360	679	0	397	1,436
	STAGE 3	178+00. - 181+31.22	NORTHBOUND OUTSIDE	---	330	290	---	620
	STAGE 3	178+00. - 181+28.64	NORTHBOUND MEDIAN	355	---	---	---	330
	STAGE 3	181+52.74 - 181+80.65	NORTHBOUND MEDIAN	28	---	---	---	28
	STAGE 3	181+55.63 - 101+07.32U	NORTHBOUND RADIUS	---	---	---	100	100
		SUBTOTALS STAGE 3		358	330	290	100	1,078
	STAGE 4	94+62.36U - 98+82.99U	USH 14 WB MEDIAN	---	---	---	420	420
	STAGE 4	94+63.11U - 98+73.25U	USH 14 EB LT TURN LANE	---	---	---	410	410
	STAGE 4	98+73.25U - 99+20.46U	USH 14 WB MEDIAN NOSE	---	---	---	86	86
	STAGE 4	100+76.99U - 101+00.99U	USH 14 EB MEDIAN	---	---	---	24	24
	STAGE 4	100+76.99U - 103+05.45U	USH 14 WB LT TURN LANE	---	---	---	230	230
	STAGE 4	101+00.99U - 103+19.43U	USH 14 EB MEDIAN	---	---	---	220	220
	STAGE 4	103+45.07U - 107+75.63U	USH 14 WB LT TURN LANE	---	---	---	430	430
	STAGE 4	103+65.82U - 107+23.31U	USH 14 EB MEDIAN	---	---	---	355	355
		SUBTOTALS STAGE 4		0	0	0	2,175	2,175
		TOTALS		743	1,009	290	2,672	4,689

CONCRETE SIDEWALK

CATEGORY	STATION - STATION	LOCATION	*602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	*305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH
0020	178+00 - 178+85.9	LT	430	---	8	---
	178+00 - 181+39.3	RT	2,000	10	35	---
	178+97.9 - 181+31.9	LT	1,150	10	21	---
	181+41.6 - 181+84.6	LT	270	30	5	2
	181+49.1 - 181+82.5	RT	170	20	5	1
	181+67.9 - 181+74.4	MEDIAN	45	20	1	1
	182+50.0 - 182+62.7	MEDIAN	80	20	1	1
	183+11.6 - 185+79.5	LT	1,800	20	33	2
	TOTALS		5,945	130	109	7

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

COLORED CONCRETE SIDEWALK

CATEGORY	STATION - STATION	LOCATION	*602.0410 CONCRETE SIDEWALK 5-INCH SF	405.0200 COLORING CONCRETE CUSTOM CY	*305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON
0010	181+22. - 181+27.	MEDIAN	45	1	1
	181+55. - 181+80.	MEDIAN	190	3	5
	99+15.U - 99+23.U	MEDIAN	65	1	2
	TOTALS		300	5	8

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE BARRIER TEMPORARY

CATEGORY	STAGE	STATION - STATION	LOCATION	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	603.8500 ANCHORING CONCRETE BARRIER TEMPORARY PRECAST LF
0010	STAGE 2	178+00.0 - 181+26.0	SOUTHBOUND	330	330	---
	STAGE 2	183+35.0 - 185+00.0	SOUTHBOUND	170	170	170
			TOTALS	500	500	170

REMOVING SMALL PIPE CULVERTS

CATEGORY	STATION - STATION	LOCATION	203.0100 EA	SIZE
0010	178+32 - 178+33	LT/RT	1	15" X 32' CMCP
	178+81 - 179+10	LT	1	18" X 28' CMCP
	179+10 - 179+50	RT	1	12" X 40' CMCP
		TOTALS	3	

REMOVING INLETS

CATEGORY	STATION	OFFSET	204.0220 EACH
0010	182+71	254.8 'RT	1
		TOTALS	1

REMOVING STORM SEWER

CATEGORY	STATION - STATION	LOCATION	204.0245 .01 12-INCH OR LESS LF	204.0245 .03 18-INCH LF
0010	178+64	RT	20	---
	102+55 U	LT/RT	20	---
	102+50 U - 102+56 U	LT	6	---
	102+56 U - 102+61 U	LT	---	7
	103+55 U - 106+60 U	LT	---	5
		TOTALS	46	12

REMOVING APRON ENDWALLS

CATEGORY	STATION	OFFSET	204.9060.S.01 EACH	REMARKS
0010	178+32	20.5 'RT	1	12-INCH TEMP. PIPE
	179+00	19.4 'RT	1	12-INCH TEMP. PIPE
	179+60	21.0 'RT	1	12-INCH TEMP. PIPE
	183+46	354.8 'RT	1	18-INCH RCCP
		TOTALS	4	

CRASH CUSHION TEMPORARY ITEMS

CATEGORY	STAGE	STATION - STATION	LOCATION	614.0905 CRASH CUSHIONS TEMPORARY EACH	BACK WIDTH FT	OBJECT MARKING PATTERN	CRASH TEST LEVEL	TRAFFIC DIRECTION	TRAFFIC LOCATION	CRASH CUSHION SHIELDS
0010	STAGE 2	178+00.0 - 181+26.0	SOUTHBOUND	2	2	1 OM-3R (W5-58R)/1 OM-3L (W5-58L)	TL-2	BIDIRECTIONAL	L	TEMPORARY BARRIER
	STAGE 2	183+35.0 - 185+00.0	SOUTHBOUND	2	2	OM-3L (W5-58L)	TL-2	UNIDIRECTIONAL	R	TEMPORARY BARRIER
			TOTALS	4						

STORM SEWER PIPE

CATEGORY	FROM STRUCTURE	TO STRUCTURE	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	SPV.0090.10 TRENCHLESS STORM SEWER CONSTRUCTION, 12-INCH LF	520.3318 CULVERT PIPE CLASS III-A 18-INCH LF	THICKNESS STEEL INCHES	SPV.0090.16 STORM SEWER PIPE PVC 10-INCH LF
0010	PV526	PV525	---	---	---	45	---	---	---	---
	PV5261	PV526	---	---	47	---	---	---	---	---
	PV5264	PV5265	---	---	---	---	---	34	0.064	---
	PV527	PV525	43	---	---	---	---	---	---	---
	PV528	PV527	40	---	---	---	---	---	---	---
	PV530	PV525	---	---	175	---	---	---	---	---
	PV533	PV530	85	---	---	---	---	---	---	---
	PV535	PV536	---	---	---	---	---	---	---	135
	PV540	PV542	6	---	---	---	---	---	---	---
	PV542	PV543	---	9	---	---	---	---	---	---
	PV543	PV544	---	5	---	---	---	---	---	---
	PV544	PV548	---	---	6	---	---	---	---	---
	PV546	PV544	6	---	---	---	---	---	---	---
	PV550	PV552	---	---	23	---	---	---	---	---
	PV555	PV530	75	---	---	---	30	---	---	---
	PV556	PV555	37	---	---	---	---	---	---	---
	PV557	PV556	57	---	---	---	---	---	---	---
	TOTALS		349	14	251	45	30	34		135

TEMPORARY STORM SEWER SUMMARY

CATEGORY	STAGE	PIPE NAME	APPROX. STATION	LOCATION	520.2012 CULVERT PIPE TEMPORARY 12-INCH LF	520.1012 APRON ENDWALLS FOR CULVERT PIPE 12-INCH EACH	* 520.8000 CONCRETE COLLARS FOR PIPE EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	STAGE 1	PIPE J	178+30	RT	13	1	1	1
		PIPE H	179+30	RT	60	2	---	2
			TOTALS		73	3	1	3

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

MANHOLES AND INLETS SUMMARY

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	PV525	178+75.9 NB	53.6'LT	---	1	---	---	---	1	---	1
	PV526	179+21.0 NB	54.0'LT	---	1	---	---	---	1	---	1
	PV527	178+75.9 NB	10.5'LT	---	---	1	---	---	1	---	1
	PV528	178+75.9 NB	29.5'RT	---	---	1	---	---	1	---	1
	PV530	180+50.9 NB	55.2'LT	---	---	---	1	---	1	---	1
	PV533	180+50.9 NB	29.5'RT	---	---	1	---	---	1	---	1
	PV555	181+55.99 NB	60.4'LT	---	---	---	1	---	---	1	1
	PV556	181+57.97 NB	23.7'LT	---	---	1	---	---	1	---	1
	PV557	181+61.52 NB	33.0 RT	---	---	1	---	---	---	1	1
	PV542	102+55.0 U	5.5'LT	---	---	1	---	---	---	1	1
	PV543	102+56.0 U	14.7'LT	---	---	1	---	---	---	1	1
	PV544	102+56.4 U	20.0'LT	1	---	---	---	1	---	---	1
		TOTALS		1	2	7	2	1	7	4	12

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

STORM SEWER ITEMS

CATEGORY	STRUCT. NO.	STATION	OFFSET	* 520.8000 CONCRETE COLLARS FOR PIPE EACH
0010	PV540	102+54.1 U	0.4'RT	1
	PV546	102+50.0 U	20.1'LT	1
	PV548	102+61.5 U	23.3'LT	1
	PV550	103+56.0 U	85.6'LT	1
		TOTALS		4

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

APRON ENDWALLS AND RIP RAP SUMMARY

CATEGORY	STRUCT. NO.	STATION	OFFSET	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	520.1018 18-INCH EACH	SPV.0060.13 CONCRETE CUTOFF WALL EACH	611.9800.S PIPE GRATES EACH	633.5200 MARKERS CULVERT END EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	606.0200 RIPRAP MEDIUM CY	645.0120 GEOTEXTILE FABRIC TYPE HR SY
0010	PV5261	179+20.0 NB	107.0 LT	1	---	1	1	1	1	10	30
	PV5264	178+69.6 NB	105.5 LT	---	1	---	---	1	1	5	15
	PV5265	179+03.7 NB	105.7 LT	---	1	---	---	1	1	5	15
	PV552	103+74.0 U	100.0 LT	1	---	---	1	1	1	10	30
			TOTALS	2	2	1	2	4	4	30	90

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

MAINTENANCE AND REPAIR OF HAUL ROADS

CATEGORY	PROJECT	618.0100 EACH
0010	5310-02-75	1

MOBILIZATION

CATEGORY	PROJECT	619.1000 EACH
0010	5310-02-75	0.08

DUST CONTROL SURFACE TREATMENT

CATEGORY	PROJECT	623.0200 SY
0010	5310-02-75	7,600

CONCRETE MEDIAN SLOPED NOSE

CATEGORY	STATION - STATION			OFFSET	620.0300 SF	REMARKS
0010	181+80.55	-	181+86.05	RT	40	TYPE 1
	183+39.01	-	183+44.26	RT	34	TYPE 1
	99+19.93U	-	99+27.25U	RT	62	TYPE 1
	100+71.99U	-	100+76.99U	LT	40	TYPE 1
				TOTAL	176	

SILT FENCE SUMMARY

CATEGORY	STAGE	STATION - STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
0010	1	179+64 - 181+27	RT	160	330
	2	179+00 - 181+17	LT	230	450
	2	94+33U - 99+00U	RT	490	980
	2	101+00U - 102+28U	LT	130	260
	2	102+56U - 104+50U	LT	190	390
	3	180+90 - 181+24	RT	60	120
	3	181+50 - 182+07	RT	85	170
		UNDISTRIBUTED		40	80
		TOTALS		1,385	2,780

FINISHING ITEMS

CATEGORY	STAGE	STATION - STATION	LOCATION	625.0100 TOPSOIL SY	627.0200 MULCHING SY	628.2002 EROSION MAT CLASS I TYPE A SY	629.0210 FERTILIZER TYPE B CWT	630.0110 SEEDING MIXTURE NO. 10 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0500 SEED WATER MGAL	631.0300* SOD WATER MGAL	631.1000 SOD LAWN SY
0010	STAGE 1	178+00.0 - 181+27.5	NB TEMP WIDENING	---	---	110	0.1	1.5	---	2.5	---	---
	STAGE 1	181+46.8 - 181+75.9	NB TEMP WIDENING	---	---	30	0.1	0.4	---	0.7	---	---
	STAGE 2	178+00.0 - 178+85.9	SB TERRACE	130	---	---	0.1	---	---	---	2.9	130
	STAGE 2	178+97.9 - 181+26.0	SB TERRACE	350	---	---	0.2	---	---	---	7.9	350
	STAGE 2	181+50.0 - 181+81.5	SB TERRACE	40	---	---	0.1	---	---	---	0.9	40
	STAGE 2	183+10.6 - 185+84.4	SB TERRACE	210	---	---	0.1	---	---	---	4.8	210
	STAGE 2	94+33.09U - 99+11.5U	USH 14 EB RT	1,250	1,250	---	0.8	---	20.0	27.9	---	---
	STAGE 2	100+94.3U - 102+55.2U	USH 14 WB LT	230	230	---	0.1	---	4.2	5.2	---	---
	STAGE 2	102+57.2U - 104+50.U	USH 14 WB LT	470	470	---	0.3	---	8.4	10.5	---	---
	STAGE 3	178+00.0 - 181+31.7	NB TERRACE	210	---	---	0.1	---	---	---	4.8	210
	STAGE 4	178+00.0 - 181+22.0	MEDIAN	420	---	---	0.3	---	---	---	9.3	420
	STAGE 4	94+13.1U - 99+20.4U	USH 14 MEDIAN	860	---	860	0.5	---	15.0	19.2	---	---
	STAGE 4	100+77.U - 103+31.1U	USH 14 MEDIAN	180	---	180	0.1	---	3.2	4.0	---	---
	STAGE 4	103+34.4U - 108+25.5U	USH 14 MEDIAN	720	---	720	0.5	---	15.0	16.1	---	---
		SUBTOTAL CATEGORY 0010		5,070	1,950	1,900	3.4	1.9	65.8	86.1	30.6	1,360
		WASTE SITE	---	500	500	---	0.3	6.8	---	11.2	---	---
		UNDISTRIBUTED	---	1,400	610	30	0.9	2.2	15.0	24.3	7.6	340
		TOTALS FOR CATEGORY 0010		6,970	3,060	1,930	4.6	10.9	80.8	121.6	38.2	1,700
0020	STAGE 2	178+00.0 - 178+85.9	SB OUTSIDE SIDEWALK	350	350	---	0.2	---	6.3	7.8	---	---
	STAGE 2	178+97.9 - 181+26.0	SB OUTSIDE SIDEWALK	630	630	---	0.4	---	10.0	14.2	---	---
	STAGE 2	183+10.6 - 185+84.4	SB OUTSIDE SIDEWALK	190	190	---	0.1	---	3.5	4.3	---	---
	STAGE 3	180+92.8 - 181+24.1	NB OUTSIDE SIDEWALK	50	50	---	0.1	---	0.9	1.1	---	---
	STAGE 3	181+49.3 - 182+07.7	NB OUTSIDE SIDEWALK	170	170	---	0.1	---	3.0	3.8	---	---
		SUBTOTAL CATEGORY 0020		1,390	1,390	0	0.9	0.0	23.7	31.2	0.0	0
		WASTE SITE	---	55	55	---	0.0	0.8	---	1.2	---	---
		UNDISTRIBUTED	---	360	360	---	0.2	0.2	6.0	8.1	0.0	---
		TOTALS FOR CATEGORY 0020		1,805	1,805	0	1.1	1.0	29.7	40.5	0.0	0
		TOTALS		8,775	4,865	1,930	5.7	11.9	110.5	162.1	38.2	1,700

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

EROSION CONTROL SUMMARY

CATEGORY	STAGE	STATION	LOCATION	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH
0010	1	178+00.0	RT	6	---	---	---	---	---
	1	179+62.0	RT	---	1	---	---	---	---
	2	178+00.0	LT	8	---	---	---	---	---
	2	178+02.0	LT	---	---	1	---	---	1
	2	178+05.0	LT	---	---	1	---	---	---
	2	178+75.9	LT	---	---	1	---	1	---
	2	179+21.0	LT	---	---	1	---	1	---
	2	179+50.0	LT	8	---	---	---	---	---
	2	180+25.0	LT	8	---	---	---	---	---
	2	180+50.9	LT	---	---	1	---	1	---
	2	185+50.0	LT	---	---	---	---	1	---
	2	185+52.0	RT	---	---	---	---	1	---
	2	102+30.U	LT	---	2	---	---	---	---
	3	178+75.9	LT	---	---	1	---	1	---
	3	178+75.9	RT	---	---	1	---	1	---
	3	180+50.9	RT	---	---	1	---	1	---
	4	98+50.U	LT	---	---	---	1	---	---
	4	102+55.U	LT	---	---	1	---	1	---
	4	102+56.U	LT	---	---	1	---	1	---
	4	102+56.U	LT	---	---	---	---	1	---
		UNDISTRIBUTED		8	1	---	---	---	---
		TOTALS		38	4	10	1	11	1

MOBILIZATIONS EROSION CONTROL

CATEGORY	PROJECT	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	5310-02-75	12	10

TRACKING PADS

CATEGORY	LOCATION	628.7560 EACH
0010	WASTE SITE	1
	STAGE 1	2
	STAGE 2	2
	STAGE 3	2
	STAGE 4	2
	UNDISTRIBUTED	1
	TOTAL	10

FIELD FACILITIES SPECIAL

CATEGORY	PROJECT	SPV.0060.75 EACH
0010	5310-02-75	0.08

PERMANENT SIGNING SUMMARY

CATEGORY	SIGN NO.	APPROX. STA.	LOC.	SIGN TYPE	SIGN SIZE	POST REQ'D	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0614 x 14-FT EACH	634.0616 x 16-FT EACH	634.0618 x 18-FT EACH	REMARKS
0010																
	13 - 6	178+00	RT	2	2S	Y	W10-1	RAILROAD CROSSING	36 x 36	---	---	9.0	---	1	---	
	13 - 7	178+00	RT	2	2S	N	W10-1A	EXEMPT (SEE R 15-3 ALSO)	24 x 12	---	---	2.0	---	---	---	INSTALL BELOW SIGN 13-6
	13 - 8	178+00	MEDIAN	2	2S	Y	W10-1	RAILROAD CROSSING	36 x 36	---	---	9.0	---	1	---	
	13 - 9	178+00	MEDIAN	2	2S	N	W10-1A	EXEMPT (SEE R 15-3 ALSO)	24 x 12	---	---	2.0	---	---	---	INSTALL BELOW SIGN 13-8
	13 - 10	179+52	RT	2	2S	Y	R5-1A	WRONG WAY	36 x 24	6.0	---	---	1	---	---	
	E14 - 15	98+68 U	MEDIAN	2	3	Y	W9-1L	LEFT LANE ENDS	36 x 36	---	---	---	---	---	1	MOVE SIGN AND SUBSIGN AND INSTALL ON NEW POST
	E14 - 17	98+57 U	MEDIAN	2	3	Y	R5-1	DO NOT ENTER	36 x 36	---	---	---	---	1	---	MOVE SIGN AND INSTALL ON NEW POST
	E14 - 18	98+54 U	RT	2	3	Y	R5-1	DO NOT ENTER	36 x 36	---	---	---	---	1	---	MOVE SIGN AND INSTALL ON NEW POST
	14 - 1	181+12	RT	2	2S	Y	R10-6	STOP HERE ON RED (ARROWS)	24 x 36	6.0	---	---	---	1	---	
	14 - 2	181+12	RT	2	2S	N	R5-1A	WRONG WAY	36 x 24	6.0	---	---	---	---	---	INSTALL ON SAME POST AS SIGN 14-1
	14 - 3	181+12	MEDIAN	2	2S	Y	R10-6	STOP HERE ON RED (ARROWS)	24 x 36	6.0	---	---	---	1	---	
	14 - 4	180+50	LT	2	2S	Y	R2-1	SPEED LIMIT_ MPH	24 x 30	5.0	---	---	1	---	---	
	14 - 5	181+69	RT	2	2S	N	R6-3	DIVIDED HIGHWAY CROSSING SIGN AND INTERSECTION	30 x 24	5.0	---	---	---	---	---	INSTALL ON SIGNAL POLE
	14 - 6	181+69	RT	2	2S	N	R1-1F	STOP (FOLDING)	30 x 30	---	5.2	---	---	---	---	INSTALL ON SIGNAL POLE
	14 - 7	181+78	MEDIAN	2	2S	Y	R4-7	KEEP RIGHT	24 x 30	5.0	---	---	1	---	---	
	14 - 8	181+64	LT	2	2M	N	R6-2L	ONE WAY LEFT ARROW	30 x 36	7.5	---	---	---	---	---	INSTALL ON SIGNAL POLE
	14 - 9	183+55	LT	2	2S	N	R1-1F	STOP (FOLDING)	30 x 30	---	5.2	---	---	---	---	INSTALL ON SIGNAL POLE
	14 - 10	183+55	LT	2	2S	N	R6-3	DIVIDED HIGHWAY CROSSING SIGN AND INTERSECTION	30 x 24	5.0	---	---	---	---	---	INSTALL WITH 14-9 ON SIGNAL POLE
	14 - 11	183+53	MEDIAN	2	2S	Y	R4-7	KEEP RIGHT	24 x 30	5.0	---	---	1	---	---	
	14 - 12	183+57	RT	2	2M	N	R6-2L	ONE WAY LEFT ARROW	30 x 36	7.5	---	---	---	---	---	INSTALL ON SIGNAL POLE
	14 - 19	99+05 U	LT	2	2M	N	R6-2L	ONE WAY LEFT ARROW	30 x 36	7.5	---	---	---	---	---	
	14 - 21	99+03 U	MEDIAN	2	3	N	R1-1F	STOP (FOLDING)	36 x 36	---	7.5	---	---	---	---	INSTALL ON SIGNAL POLE
	14 - 22	99+04 U	RT	2	3	N	R1-1F	STOP (FOLDING)	36 x 36	---	7.5	---	---	---	---	INSTALL ON SIGNAL POLE
	14 - 23	99+04 U	RT	2	2S	N	R6-3	DIVIDED HIGHWAY CROSSING SIGN AND INTERSECTION	30 x 24	5.0	---	---	---	---	---	INSTALL WITH 14-22 ON SIGNAL POLE
	14 - 24	99+05 U	MEDIAN	2	3	N	R4-7	KEEP RIGHT	36 x 48	12.0	---	---	---	---	---	INSTALL ON SIGNAL POLE
	14 - 25	99+05 U	MEDIAN	2	3	N	R3-4	NO UTURN SYMBOL	36 x 36	9.0	---	---	---	---	---	INSTALL WITH 14-24 ON SIGNAL POLE
	14 - 26	100+80 U	MEDIAN	2	3	N	R4-7	KEEP RIGHT	36 x 48	12.0	---	---	---	---	---	INSTALL ON SIGNAL POLE
	14 - 27	100+80 U	MEDIAN	2	3	N	R3-4	NO UTURN SYMBOL	36 x 36	9.0	---	---	---	---	---	INSTALL WITH 14-26 ON SIGNAL POLE
	14 - 28	100+80 U	MEDIAN	2	3	N	R1-1F	STOP (FOLDING)	36 x 36	---	7.5	---	---	---	---	INSTALL ON SIGNAL POLE
	14 - 29	100+88 U	RT	2	2S	N	W10-1	RAILROAD CROSSING	36 x 36	---	---	4.0	---	---	---	INSTALL ON SIGNAL POLE
	14 - 30	100+88 U	RT	2	2S	N	W10-1A	EXEMPT (SEE R 15-3 ALSO)	24 x 12	---	---	2.0	---	---	---	INSTALL BELOW 14-29 ON SIGNAL POLE
	14 - 31	100+88 U	RT	2	2M	N	R6-2L	ONE WAY LEFT ARROW	30 x 36	7.5	---	---	---	---	---	INSTALL ON SIGNAL POLE
	14 - 32	100+83 U	LT	2	2S	N	R6-3	DIVIDED HIGHWAY CROSSING SIGN AND INTERSECTION	30 x 24	5.0	---	---	---	---	---	INSTALL ON SIGNAL POLE
	14 - 33	100+83 U	LT	2	3	N	R1-1F	STOP (FOLDING)	36 x 36	---	7.5	---	---	---	---	INSTALL WITH 14-32 ON SIGNAL POLE
	14 - 35	180+50	MEDIAN	2	2S	Y	R2-1	SPEED LIMIT_ MPH	24 x 30	5.0	---	---	1	---	---	
	E15 - 1	95+00 U	MEDIAN	2	3	Y	W3-3	SIGNAL AHEAD	36 x 36	---	---	---	---	---	1	MOVE SIGN AND INSTALL ON NEW POST
	E15 - 2	95+00 U	RT	2	3	Y	W3-3	SIGNAL AHEAD	36 x 36	---	---	---	---	---	1	MOVE SIGN AND INSTALL ON NEW POST
	E15 - 4	93+76 U	MEDIAN	2	3	Y	D1-61	ADVANCED CROSSROAD NAME WITH ARROWS (NO CARDINALS)	126 x 30	---	---	---	---	2	1	MOVE SIGN AND INSTALL ON NEW POSTS
	E15 - 5	96+49 U	MEDIAN	2	3	Y	R5-1A	WRONG WAY	42 x 30	---	---	---	---	1	---	MOVE SIGN AND INSTALL ON NEW POST
	E15 - 6	96+49 U	RT	2	3	Y	R5-1A	WRONG WAY	42 x 30	---	---	---	---	1	---	MOVE SIGN AND INSTALL ON NEW POST
	E15 - 9	94+93 U	MEDIAN	2	3	Y	W12-1R	DOWN ARROW (RIGHT)	30 x 30	---	---	---	---	---	1	MOVE SIGN AND INSTALL ON NEW POST
	E15 - 10	96+05 U	MEDIAN	2	3	Y	W12-1R	DOWN ARROW (RIGHT)	30 x 30	---	---	---	---	---	1	MOVE SIGN AND INSTALL ON NEW POST
	E15 - 12	96+86 U	MEDIAN	2	3	Y	W4-2L	LANE REDUCTION TRANSITION SYMBOL - (LEFT LANE)	36 x 36	---	---	---	---	---	1	MOVE SIGN AND INSTALL ON NEW POST
	E15 - 13	92+50 U	MEDIAN	2	3	Y	W10-2	CROSS ROAD TRACKS LEFT/RIGHT SIDE	36 x 36	---	---	---	---	---	1	MOVE SIGN AND INSTALL ON NEW POST
	E15 - 14	92+50 U	RT	2	3	Y	W10-2	CROSS ROAD TRACKS LEFT/RIGHT SIDE	36 x 36	---	---	---	---	---	1	MOVE SIGN AND INSTALL ON NEW POST
	E16 - 1	102+89 U	LT	2	3	Y	W10-2	CROSS ROAD TRACKS LEFT/RIGHT SIDE	36 x 36	---	---	---	---	---	1	MOVE SIGNS AND INSTALL ON NEW POST
	E16 - 3	105+09 U	LT	2	3	Y	R2-1	SPEED LIMIT_ MPH	36 x 48	---	---	---	---	1	---	MOVE SIGN AND INSTALL ON NEW POST
	E16 - 4	102+39 U	LT	2	3	Y	W10-2	CROSS ROAD TRACKS LEFT/RIGHT SIDE	36 x 36	---	---	---	---	1	---	MOVE SIGNS AND INSTALL ON NEW POST
	E16 - 5	106+00 U	LT	2	3	Y	D1-61	ADVANCED CROSSROAD NAME WITH ARROWS (NO CARDINALS)	126 x 30	---	---	---	---	3	---	MOVE SIGN AND INSTALL ON NEW POSTS
	E16 - 7	107+33 U	LT	2	2S	Y	W10-1	RAILROAD CROSSING	36 x 36	---	---	---	---	1	---	MOVE SIGNS AND INSTALL ON NEW POST
	16 - 1	101+52 U	LT	2	3	Y	R5-1	DO NOT ENTER	36 x 36	9.0	---	---	---	1	---	
	16 - 2	108+50 U	LT	2	3	Y	R3-20L	BEGIN LEFT TURN LANE WITH DOWN RIGHT ARROW	36 x 54	13.5	---	---	---	---	1	
								TOTALS		158.5	40.2	28.0	5.0	17.0	11.0	

MOVING/REMOVING SIGN ITEMS

CATEGORY	SIGN NUMBER	* 204.0195 REMOVING CONCRETE BASES EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
0010	E13-2	1	---	---	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E13-3	1	---	---	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E14-1	---	---	1	1	
	E14-2	---	---	1	1	
	E14-3	---	---	1	1	
	E14-4	---	---	1	---	
	E14-5	---	---	1	1	
	E14-6	---	---	1	1	
	E14-7	---	---	1	---	
	E14-8	---	---	1	---	
	E14-9	1	---	---	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E14-10	1	---	---	---	SIGN MOVED AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E14-11	1	---	---	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E14-12	1	---	---	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E14-13	---	---	1	---	
	E14-15	---	1	---	1	MOVE SIGN AND INSTALL ON NEW POST
	E14-16	---	---	1	---	
	E14-17	---	1	---	1	MOVE SIGN AND INSTALL ON NEW POST
	E14-18	---	1	---	1	MOVE SIGN AND INSTALL ON NEW POST
	E14-19	---	---	1	---	
	E14-20	1	---	---	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E15-1	---	1	---	1	MOVE SIGN AND INSTALL ON NEW POST
	E15-2	---	1	---	1	MOVE SIGN AND INSTALL ON NEW POST
	E15-3	1	---	---	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E15-4	---	1	---	2	MOVE SIGN AND INSTALL ON NEW POSTS
	E15-5	---	1	---	1	MOVE SIGN AND INSTALL ON NEW POST
	E15-6	---	1	---	1	MOVE SIGN AND INSTALL ON NEW POST
	E15-9	---	1	---	1	MOVE SIGN AND INSTALL ON NEW POST
	E15-10	---	1	---	1	MOVE SIGN AND INSTALL ON NEW POST
	E15-12	---	1	---	1	MOVE SIGN AND INSTALL ON NEW POST
	E15-13	---	1	---	1	MOVE SIGN AND INSTALL ON NEW POST
	E15-14	---	1	---	1	MOVE SIGN AND INSTALL ON NEW POST
	E16-1	---	1	---	1	MOVE SIGNS AND INSTALL ON NEW POST
	E16-3	---	1	---	1	MOVE SIGN AND INSTALL ON NEW POST
	E16-4	---	1	---	1	MOVE SIGNS AND INSTALL ON NEW POST
	E16-5	---	1	---	2	MOVE SIGN AND INSTALL ON NEW POSTS
	E16-7	---	1	---	1	MOVE SIGNS AND INSTALL ON NEW POST
	TOTALS	8	18	11	25	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC CONTROL

CATEGORY	PROJECT	643.5000 EACH
0010	5310-02-75	0.08

TRAFFIC CONTROL SUMMARY

CATEGORY	STAGE	LOCATION	DURATION DAYS	643.0300 DRUMS EACH	643.0300 DRUMS DAY	643.0410 BARRICADES TYPE II EACH	643.0410 BARRICADES TYPE II DAY	* 643.0420 BARRICADES TYPE III EACH	* 643.0420 BARRICADES TYPE III DAY	* 643.0705 WARNING LIGHTS TYPE A EACH	* 643.0705 WARNING LIGHTS TYPE A DAY	643.0715 WARNING LIGHTS TYPE C EACH	643.0715 WARNING LIGHTS TYPE C DAY	643.0800 ARROW BOARDS EACH	643.0800 ARROW BOARDS DAY	* 643.0900 SIGNS EACH	* 643.0900 SIGNS DAY
0010	1	ADVANCE WARNING USH 14	57	0	0	0	0	0	0	0	0	0	0	0	0	10	570
	1	ADVANCE WARNING PLEASANT VIEW RD	57	0	0	0	0	0	0	0	0	0	0	0	0	2	114
	1	PLEASANT VIEW RD	57	19	1,083	0	0	2	114	3	171	0	0	0	0	7	399
	2	ADVANCE WARNING USH 14	107	0	0	0	0	0	0	0	0	0	0	0	0	10	1,070
	2	ADVANCE WARNING PLEASANT VIEW RD	107	0	0	0	0	2	214	4	428	0	0	0	0	20	2,140
	2	PLEASANT VIEW RD	107	35	3,745	0	0	6	642	12	1,284	0	0	0	0	8	856
	2	USH 14	25	82	2,050	0	0	3	75	6	150	20	500	1	25	3	75
	3	ADVANCE WARNING USH 14	58	0	0	0	0	0	0	0	0	0	0	0	0	10	580
	3	ADVANCE WARNING PLEASANT VIEW RD	58	0	0	0	0	2	116	4	232	0	0	0	0	14	812
	3	PLEASANT VIEW RD/USH 14	58	74	4,292	0	0	9	522	18	1,044	9	522	0	0	13	754
	3C	ADVANCE WARNING USH 14	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3C	ADVANCE WARNING PLEASANT VIEW RD	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3C	PLEASANT VIEW RD/USH 14	5	0	0	0	0	0	0	0	0	0	0	0	0	4	20
	WINTER	ADVANCE WARNING USH 14	149	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	WINTER	ADVANCE WARNING PLEASANT VIEW RD	149	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	WINTER	PLEASANT VIEW RD/USH 14	149	0	0	0	0	0	0	0	0	0	0	0	0	4	596
	4	ADVANCE WARNING USH 14	61	0	0	0	0	0	0	0	0	0	0	0	0	10	610
	4	ADVANCE WARNING PLEASANT VIEW RD	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	PLEASANT VIEW RD	61	0	0	0	0	0	0	0	0	0	0	0	0	4	244
	4	USH 14	30	115	3,450	2	60	8	240	18	540	11	330	1	30	12	360
		UNDISTRIBUTED			3,660		20		480		960		340		10		2,300
		TOTALS			18,280		80		2,403		4,809		1,692		65		11,500

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC CONTROL SIGNS PCMS

CATEGORY	STAGE	DURATION	LOCATION	MESSAGE PANEL 1	PANEL 2	643.1050 EACH	643.1050 DAY	REMARK
0010	1	7	USH 14 EB	USH 14 TO CLOSE	DATE	1	7	PRIOR TO DETOUR FOR RR CROSSING
	1	7	USH 14 WB	USH 14 TO CLOSE	DATE	1	7	PRIOR TO DETOUR FOR RR CROSSING
	1	7	PVR NB	PLEASANT VIEW RD TO CLOSE	DATE	1	7	PRIOR TO DETOUR FOR RR CROSSING
	1	7	PVR SB	PLEASANT VIEW RD TO CLOSE	DATE	1	7	PRIOR TO DETOUR FOR RR CROSSING
				SUBTOTAL STAGE 1			28	
	2	7	USH 14 EB	ROAD WORK BEGINS	DATE	1	7	PRIOR TO START OF STAGE 2
	2	7	USH 14 WB	ROAD WORK BEGINS	DATE	1	7	PRIOR TO START OF STAGE 2
	1	7	PVR SB	ROAD WORK BEGINS	DATE	1	7	PRIOR TO START OF STAGE 2
				SUBTOTAL STAGE 2			21	
				TOTAL			49	

TRAFFIC CONTROL COVERING SIGNS TYPE II

CATEGORY	STATION	LOCATION	SIGN	CYCLES	* 643.0920 EACH	REMARK
0010	96+90.U	LT	LANE ENDS MERGE	1	1	STAGE 4
	96+90.U	LT	LANE ENDS MERGE	1	1	STAGE 4
	98+65.U	LT	LT LANE ENDS 400'	1	1	STAGE 4
	98+65.U	LT	LT LANE ENDS 400'	1	1	STAGE 4
	UNDISTRIBUTED				1	
	TOTAL				5	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

DETOUR SUMMARY

CATEGORY	STAGE	LOCATION	DURATION DAYS	* 643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH	* 643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	* 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	* 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	* 643.0900 TRAFFIC CONTROL SIGNS EACH	* 643.0900 TRAFFIC CONTROL SIGNS DAY	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE 1 CYCLES	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE 1 EACH	* 643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE 2 CYCLES	* 643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE 2 EACH
0010	1	USH 14 DETOUR (RAILROAD)	5	4	20	8	40	123	615	1	6	1	12

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER

CATEGORY	STAGE	STATION - STATION	LOCATION	643.0500 POSTS EACH	643.0600 BASES EACH
0010	2 & 3	87+22.1U _ 91+18.6U	USH 14 EB	9	9

MARKING

CATEGORY	STATION - STATION	LOCATION	646.1020 LINE EPOXY 4-INCH (WHITE) LF	646.1020 LINE EPOXY 4-INCH (YELLOW) LF	646.1020 LINE EPOXY 4-INCH (DOUBLE YELLOW) LF	646.1020 LINE EPOXY 4-INCH (WHITE SKIP 12.5' SEG., 37.5' GAP) LF	646.6464 COLD WEATHER MARKING EPOXY 4-INCH (DOUBLE YELLOW) LF	SPV.0090.34 LINE EPOXY 6-INCH (WHITE SKIP, 10' SEG., 30' GAP) LF	646.3020 LINE EPOXY 8-INCH (WHITE) LF	646.5020 ARROW EPOXY EACH	646.5120 WORD EPOXY EACH	646.5320 MARKING RAILROAD CROSSING EPOXY EACH	646.7420 CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8120 CURB EPOXY LF	646.8220 ISLAND NOSE EPOXY EACH	646.7120 MARKING DIAGONAL EPOXY 12-INCH LF	646.6120 STOP LINE EPOXY 18-INCH LF
0010	178+00. _ 181+38.	PVR NORTHBOUND	340	---	---	---	---	83	250	4	1	---	---	---	---	---	---
	181+46. _ 181+70.	PVR NORTHBOUND	22	---	---	---	---	6	22	---	---	---	96	10	1	---	---
	177+88.92SB _ 181+23.SB	PVR SOUTHBOUND	335	---	---	---	---	84	---	---	---	---	---	---	---	---	---
	181+33.SB _ 181+77.9SB	PVR SOUTHBOUND	22	---	---	---	---	6	---	---	---	---	86	---	---	---	50
	183+44. _ 184+57.75	PVR SOUTHBOUND	200	---	---	---	---	50	230	3	1	---	---	42	1	27	47
	87+22.08U _ 90+57.7U	USH 14 EB	---	---	670	---	670	---	---	---	---	---	---	---	---	---	---
	91+00.U _ 99+00.U	USH 14 EB	---	---	---	200	---	---	---	---	---	---	---	---	---	---	---
	94+13.11U _ 99+02.U	USH 14 EB	445	490	---	---	---	---	660	4	2	---	125	95	1	---	56
	94+52.12U _ 99+26.U	USH 14 WB	---	225	---	95	---	---	---	---	---	---	88	---	---	---	---
	100+75.5U _ 107+33.31U	USH 14 EB	100	640	---	145	---	---	---	---	---	1	---	29	---	---	---
	100+87.U _ 108+25.5U	USH 14 WB	120	725	---	---	---	---	1,070	6	3	1	---	5	1	---	60
	107+50.U _ 112+00.U	USH 14 WB	---	---	---	115	---	---	---	---	---	---	---	---	---	---	---
	101+14.8U _ 115+83.5U	USH 14 WB	---	---	---	365	---	---	---	---	---	---	---	---	---	---	---
	TOTALS				5,254		670	229	2,232	17	7	2	395	181	4	27	213

MARKING REMOVAL

CATEGORY	STATION - STATION	LOCATION	646.9010 MARKING REMOVAL LINE WATER BLASTING 4-INCH LF	646.9210 MARKING REMOVAL LINE WATER BLASTING WIDE LF	646.9310 MARKING REMOVAL SPECIAL MARKING WATER BLASTING EACH	COMMENT
0010	178+00 _ 181+38	PVR NORTHBOUND	675	---	3	DOUBLE YELLOW, RR MARKING
	181+46 _ 181+70	PVR NORTHBOUND	---	15	---	STOP LINE
	183+50 _ 184+00	PVR SOUTHBOUND	---	---	2	LEFT ARROW, WORD "ONLY"
	87+22.08U _ 90+57.7U	USH 14 EB	670	---	---	DOUBLE YELLOW
	91+00.U _ 99+00.U	USH 14 EB	200	---	---	LANE LINE
	94+52.12U _ 99+26.U	USH 14 WB	115	---	---	LANE LINE
	101+14.U _ 115+83.5U	USH 14 WB	390	---	---	LANE LINE
	107+50.U _ 112+00.U	USH 14 WB	115	---	---	LANE LINE
	TOTALS		2,165	15	5	

TEMPORARY MARKING

CATEGORY	STAGE	STATION - STATION	LOCATION	649.0105 LINE PAINT 4-INCH (WHITE) LF	649.0105 LINE PAINT 4-INCH (DOUBLE YELLOW) LF	649.0150 LINE REMOVABLE TAPE 4-INCH (WHITE) LF	649.0150 LINE REMOVABLE TAPE 4-INCH (YELLOW) LF	649.0150 LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW) LF	649.0250 LINE REMOVABLE TAPE 8-INCH (WHITE) LF	649.0550 ARROW REMOVABLE TAPE EACH	649.0850 STOP LINE REMOVABLE TAPE 18-INCH LF
0010	2	178+00. _ 181+82.1	PVR NORTHBOUND	760	760	---	---	---	---	---	---
	2	183+62. _ 183+74.	PVR SOUTTHBOUND	---	---	---	---	---	---	1	---
	2	87+22.1U _ 91+18.6U	USH 14 EB	---	---	400	---	800	---	---	---
	2	106+69.5U _ 112+10.U	USH 14 WB	---	---	540	---	---	---	---	---
		SUBTOTALS STAGE 2			1,520		1,740		0	1	0
	3	178+00. _ 181+34.5	PVR SOUTHBOUND	---	---	670	---	670	---	---	---
	3	181+44.7 _ 182+11.	PVR SOUTHBOUND	---	---	67	---	100	---	---	20
	3	91+00.U _ 99+00.U	USH 14 EB	---	---	---	---	---	---	---	---
		SUBTOTALS STAGE 3			0		1,507		0	0	20
	4	87+70.U _ 99+24.3U	USH 14 EB	---	---	---	1,160	---	---	---	---
	4	91+16.U _ 99+38.U	USH 14 WB	---	---	---	825	---	---	---	---
	4	98+74.8U _ 99+24.3U	USH 14 EB	---	---	---	---	---	50	---	---
	4	100+50.9U _ 107+33.U	USH 14 EB	---	---	---	660	---	---	---	---
	4	100+50.9U _ 115+83.5U	USH 14 WB	---	---	---	1,530	---	---	---	---
		SUBTOTALS STAGE 4			0		4,175		50	0	0
		TOTALS			1,520		7,422		50	1	20

CONSTRUCTION STAKING

CATEGORY	STATION - STATION	LOCATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.9920 SLOPE STAKES LF
0010	178+00 - 182+12.38	NORTHBOUND	410	410	410
	178+00 - 182+12.38	SOUTHBOUND	410	410	410
	183+10 - 186+20	SOUTHBOUND	310	310	310
	94+13U - 99+40U	USH 14 EB	525	525	525
	94+52U - 99+40U	USH 14 WB	490	490	490
	100+36U - 108+25U	USH 14 WB	790	790	790
	101+01U - 107+33U	USH 14 EB	630	630	630
	TOTALS		3,565	3,565	3,565

STREET LIGHTING CONDUIT SUMMARY

CATEGORY	LOCATION FROM	LOCATION TO	* 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF
0010	LP-1203(EAST/WEST)	LP-1301(EAST/WEST)	280
		TOTAL	280

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

STREET LIGHTING WIRE SUMMARY

CATEGORY	LOCATION FROM	LOCATION TO	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF
0010	LP-1203(WEST)	LP-1301(EAST)	372
	LP-1203(EAST)	LP-1301(WEST)	372
		TOTAL	744

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

EQUIPMENT GROUNDING AND GROUNDED CONDUCTORS

CATEGORY	LOCATION FROM	LOCATION TO	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF
0010	LP-1203(EAST/WEST)	LP-1301(EAST/WEST)	186
		TOTAL	186

STREET LIGHTING SUMMARY

CATEGORY	LP. NO.	STATION	LOCATION	SPV.0060.20 LUMINAIRE DOUBLE ARM LED CITY OF MIDDLETON EACH	SPV.0060.23 POLES 30-FT CITY OF MIDDLETON EACH	654.0105 CONCRETE BASES TYPE 5 EACH	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG (GROUND) LF
0010	LP-1203(EAST/WEST)	178+62	15.8' LT	1	1	1	112	28
	LP-1301(EAST/WEST)	180+43	18.3' LT	1	1	1	112	28
			TOTALS	2	2	2	224	56

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

SAWING

CATEGORY	STAGE	STATION - STATION	LOCATION	690.0150 ASPHALT LF	690.0250 CONCRETE LF
0010	1	178+00. - 181+38.	TEMP WIDENING	340	---
	2	183+10. - 186+20.	LT	580	---
	2	94+33.1U - 98+79.8U	USH 14 EB RT TURN LANE	---	445
	2	98+79.8U - 99+79.3U	RT	---	100
	2	100+94.3U - 102+68.3U	USH 14 WB RT TURN LANE	---	190
	2	102+82.U - 104+60.U	USH 14 WB RT TURN LANE	---	185
	3	178+00. - 180+93.8	C.E. RT	295	---
	3	99+79.3U - 101+07.3U	RT	---	135
	4	94+13.1U - 98+51.9U	USH 14 EB LT TURN LANE	---	440
	4	98+51.9U - 99+37.7U	USH 14 EB LT TURN LANE	---	120
	4	94+52.1U - 99+37.7U	USH 14 WB MEDIAN	---	490
	4	100+36.4U - 103+40.9U	USH 14 EB MEDIAN	---	305
	4	103+59.U - 107+33.3U	USH 14 EB MEDIAN	---	380
	4	100+36.4U - 102+91.68U	USH 14 WB LT TURN LANE	---	295
	4	103+06.4U - 108+25.5U	USH 14 WB LT TURN LANE	---	525
		UNDISTRIBUTED	RT/LT	120	360
		TOTALS		1,335	3,970

PROPERTY CORNERS

CATEGORY	STATION	LOCATION	SPV.0060.08 LOCATE AND REFERENCE PROPERTY CORNERS EACH	SPV.0060.09 RESET PROPERTY CORNERS EACH
0020	180+89.9	LT	1	1
	180+93.9	RT	1	1
	TOTALS		2	2

PAVEMENT CLEANUP

CATEGORY	LOCATION	SPV.0170.01 STA
0010	PLEASANT VIEW ROAD	16
	USH 14	28
	TOTAL	44

QMP BASE AGGREGATE DENSE 1 1/4-INCH COMPACTION

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	371.2000.S QMP BASE AGGREGATE DENSE 1 1/4-INCH COMPACTION EACH
0010	STAGE 2	177+88.92SB - 181+23.77SB	SOUTHBOUND	4
	STAGE 3	178+00.00 - 181+36.42	NORTHBOUND	4
		TOTALS		8

UTILITY LINE OPENING (ULO)

CATEGORY	LOCATION	SPV.0060.05 EACH
0010	TRAFFIC SIGNAL BASE SB-3	1
	TRAFFIC SIGNAL BASE SB-4	1
	TRAFFIC SIGNAL BASE SB-5	1
	TRAFFIC SIGNAL BASE SB-9	1
	TRAFFIC SIGNAL BASE SB-10	1
	STORM SEWER PV533 TO PV530	2
	UNDISTRIBUTED	3
	TOTAL	10

3

REMOVING PULL BOXES SUMMARY

CATEGORY	INTERSECTION	PULL BOX NO.	STATION	LOCATION		653.0905 REMOVING PULL BOXES EACH
0010	PLEASANT VIEW ROAD & USH 14	EXPB-1	181+60	38'	LT	1
		EXPB-2	181+62	18'	RT	1
		EXPB-3	181+78	83'	LT	1
		EXPB-4	181+97	60'	RT	1
		EXPB-5	182+52	83'	LT	1
		EXPB-6	182+56	58'	RT	1
		EXPB-7	183+25	82'	LT	1
		EXPB-8	183+34	70'	LT	1
		EXPB-9	183+35	14'	LT	1
		EXPB-10	183+35	56'	RT	1
				TOTAL		10

TRAFFIC SIGNAL CONDUIT SUMMARY

CATEGORY	LOCATION FROM	LOCATION TO	* 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0615 CONDUIT SPECIAL 3-INCH SPECIAL LF
0010	CB1	PB1	---	36	---
	PB1	PB2	---	25	---
	PB2	SB1	11	---	---
	PB2	PB3	---	---	151
	PB3	SB2	10	---	---
	PB3	PB4	---	---	112
	PB4	SB3	10	---	---
	PB4	PB5	---	116	---
	PB5	SB4	9	---	---
	PB5	PB6	---	---	117
	PB6	SB5	10	---	---
	PB6	PB7	---	---	126
	PB7	SB6	14	---	---
	PB7	PB8	---	39	---
	PB8	SB7	6	---	---
	PB8	PB9	---	---	148
	PB9	SB8	10	---	---
	PB9	PB10	---	---	139
	PB10	SB9	13	---	---
	PB10	PB11	---	66	---
	PB11	SB10	17	---	---
	PB11	PB12	---	---	148
	PB12	PB13	---	---	88
	PB13	SB11	7	---	---
	PB13	PB14	---	86	---
	PB14	CB1	---	35	---
		TOTALS	117	403	1029

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING TRAFFIC SIGNAL SUMMARY

CATEGORY	INTERSECTION	204.9060.S.06 REMOVING TRAFFIC SIGNALS PLEASANT VIEW ROAD & USH 14 EACH	659.5000.S LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR EACH
0010	PLEASANT VIEW ROAD & USH 14	11	22
	TOTALS	11	22

TRAFFIC SIGNAL PULL BOXES

CATEGORY	PULL BOX NUMBER	653.0164 PULL BOXES NON-CONDUCTIVE 24x42-INCH EACH
0010	PB1	1
	PB2	1
	PB3	1
	PB4	1
	PB5	1
	PB6	1
	PB7	1
	PB8	1
	PB9	1
	PB10	1
	PB11	1
	PB12	1
	PB13	1
	PB14	1
	TOTAL	14

TRAFFIC SIGNAL CONCRETE BASES SUMMARY

CATEGORY	LOCATION	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	654.0215 CONCRETE CONTROL CABINET BASES TYPE 9 EACH	654.0120 CONCRETE BASES TYPE 10-SPECIAL EACH	654.0113 CONCRETE BASES TYPE 13 EACH	657.0100 PEDESTAL BASES EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH
0010	SB1	---	1	---	---	---	---	1
	SB2	1	---	---	---	---	1	---
	SB3	---	---	---	1	---	---	---
	SB4	---	1	---	---	---	---	1
	SB5	1	---	---	---	---	1	---
	SB6	---	---	---	1	---	---	---
	SB7	---	1	---	---	---	---	1
	SB8	1	---	---	---	---	1	---
	SB9	---	---	---	---	1	---	---
	SB10	---	1	---	---	---	---	1
	SB11	---	---	---	---	1	---	---
	CB1	---	---	1	---	---	---	---
	TOTALS	3	4	1	2	2	3	4

3

3

CABLE TRAFFIC SIGNAL 14 AWG SUMMARY

CATEGORY	LOCATION FROM	LOCATION TO	655.0250 CABLE TRAFFIC SIGNAL 9-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG LF
0010	CB1	SB1	111	---	---
	CB1	SB2	---	200	---
	CB1	SB3	337	---	---
	CB1	SB4	---	345	---
	CB1	SB5	---	418	---
	CB1	SB6	---	---	565
	CB1	SB7	506	---	---
	CB1	SB8	---	422	---
	CB1	SB9	---	---	415
	CB1	SB10	286	---	---
	CB1	SB11	---	213	---
	TOTALS		1240	1598	980

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS

CATEGORY	LOCATION	661.0200.02 USH 14 & PLEASANT VIEW ROAD LS
0010	USH 14 & PLEASANT VIEW ROAD	1
	TOTALS	1

ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG

CATEGORY	LOCATION FROM	LOCATION TO	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF
0010	CB1	PB1	12
	PB1	PB2	13
	PB5	SB1	11
	PB2	PB3	76
	PB3	SB2	10
	PB3	PB4	56
	PB4	SB3	10
	PB4	PB5	58
	PB5	SB4	9
	PB5	PB6	59
	PB6	SB5	10
	PB6	PB7	63
	PB7	SB6	14
	PB7	PB8	20
	PB8	SB7	6
	PB8	PB9	74
	PB9	SB8	10
	PB9	PB10	70
	PB10	SB9	13
	PB10	PB11	33
	PB11	SB10	17
	PB11	PB12	74
	PB12	PB13	44
	PB13	SB11	7
	PB13	PB14	43
	PB14	CB1	12
		TOTAL	824

CABLE TYPE UF 2-12 AWG GROUNDED

CATEGORY	LOCATION FROM	LOCATION TO	LOCATION	* 655.0305 CABLE TYPE UF 2-12 AWG GROUNDED LF
0010	CB1	SB1	NE QUADRANT	131
	CB1	SB3	SE QUADRANT	297
	CB1	SB4	SE QUADRANT	365
	CB1	SB6	SW QUADRANT	525
	CB1	SB7	SW QUADRANT	526
	CB1	SB9	NW QUADRANT	365
	CB1	SB10	NW QUADRANT	306
	CB1	SB11	NE QUADRANT	163
		TOTAL		2678

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL POLES & MAST ARMS SUMMARY

CATEGORY	LOCATION	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0315 POLES TYPE 4 EACH	657.0352 POLES TYPE 10-SPECIA EACH	657.0360 POLES TYPE 13 EACH	657.0541 MONOTUBE ARMS 40-FT-SPECIAL EACH	657.0550 MONOTUBE ARMS 50-FT EACH
0010	SB1	---	1	---	---	---	---
	SB2	1	---	---	---	---	---
	SB3	---	---	1	---	1	---
	SB4	---	1	---	---	---	---
	SB5	1	---	---	---	---	---
	SB6	---	---	1	---	1	---
	SB7	---	1	---	---	---	---
	SB8	1	---	---	---	---	---
	SB9	---	---	---	1	---	1
	SB10	---	1	---	---	---	---
	SB11	---	---	---	1	---	1
	CB1	---	---	---	---	---	---
	TOTALS	3	4	2	2	2	2

TRAFFIC SIGNALS SUMMARY

CATEGORY		658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH	657.0709 LUMINAIRE ARMS TRUSS TYPE 4-INCH CLAMP 12-FT EACH	657.0812 LUMINAIRE ARMS STEEL 12-FT EACH	657.0820 LUMINAIRE ARMS STEEL TYPE 10 POLE CLAMP 15-FT EACH	657.0825 LUMINAIRE ARMS STEEL TYPE 13 POLE CLAMP 15-FT EACH	659.1125 LUMINAIRES UTILITY LED C EACH	SPV.0060.67 TRANSPORT STATE FURNISHED CAMERAS (USH 14 & PLEASANT VIEW ROAD) EACH	SPV.0060.68 TRANSPORT SF RADAR DETECTION SYSTEM (USH 14 & PLEASANT VIEW ROAD) EACH	SPV.0060.69 TRANSPORT STATE FURNISHED BLANK OUT SIGN (USH 14 & PLEASANT VIEW RD) EACH
0010	SB1	1	1	---	---	1	---	---	---	1	---	---	---
	SB2	---	2	---	---	---	---	---	---	---	---	---	---
	SB3	2	---	---	---	---	1	1	---	1	1	1	1
	SB4	1	1	1	1	1	---	---	---	1	---	---	---
	SB5	---	2	---	1	---	---	---	---	---	---	---	---
	SB6	2	---	1	1	---	1	---	---	1	---	---	---
	SB7	1	---	1	1	1	---	---	---	1	---	---	1
	SB8	---	2	---	1	---	---	---	---	---	---	---	---
	SB9	2	1	1	1	---	1	---	1	1	1	1	---
	SB10	1	1	---	---	1	---	---	---	1	---	---	---
	SB11	2	1	---	---	---	1	---	---	1	---	---	---
	CB1	---	---	---	---	---	---	---	---	---	---	---	---
	TOTALS	12	11	4	6	4	4	1	1	8	2	2	2

CLEARING AND GRUBBING

CATEGORY	STATION - STATION	LOCATION	201.0105 CLEARING STA	* 201.0120 CLEARING ID	201.0205 GRUBBING STA	* 201.0220 GRUBBING ID
0010	110+00 - 119+00	LT & RT	9	---	9	---
	120+00 - 125+00	RT	5	---	5	---
	127+00 - 128+00	LT	1	---	1	---
	129+00 - 140+00	RT	1	---	1	---
	12+04.6B	RT	---	4	---	4
	12+45.1B	RT	---	4	---	4
	12+85.1B	RT	---	4	---	4
	13+24.0B	RT	---	4	---	4
	13+75.9B	RT	---	4	---	4
	14+17.6B	RT	---	4	---	4
	14+65.6B	RT	---	4	---	4
	16+62.3B	LT	---	16	---	16
	17+31.1B	LT	---	15	---	15
	17+86.1B	LT	---	17	---	17
	18+52.7B	LT	---	14	---	14
	18+54.3B	LT	---	16	---	16
	19+04.6B	LT	---	18	---	18
	19+58.4B	LT	---	15	---	15
	20+14.7B	LT	---	14	---	14
	50+02.7G	LT	---	8	---	8
	50+45.3G	LT	---	12	---	12
	50+48.7G	RT	---	6	---	6
	50+80.2G	RT	---	2	---	2
	SUBTOTAL CATEGORY 0010		16	181	16	181
0060	141+00 - 167+00	LT & RT	26	---	26	---
	167+00 - 174+00	LT	7	---	7	---
	174+00 - 177+00	LT & RT	3	---	3	---
	177+13	LT	---	15	---	15
	12+82.7B	LT	---	3	---	3
	13+08.0B	LT	---	3	---	3
	13+23.6B	LT	---	3	---	3
	13+68.7B	LT	---	3	---	3
	13+89.8B	LT	---	3	---	3
	13+91.9B	LT	---	4	---	4
	14+14.3B	LT	---	4	---	4
	14+47.9B	LT	---	5	---	5
	50+00G - 53+00G	LT	3	---	3	---
	50+00Q - 51+00Q	LT & RT	1	---	1	---
	SUBTOTAL CATEGORY 0060		40	43	40	43
	TOTALS		56	224	56	224

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING CONCRETE PAVEMENT

CATEGORY	STATION - STATION	LOCATION	204.0100 SY	REMARKS
0010	110+32.4 - 111+46.9	LT	220	DRIVEWAY
	10+24B	RT	35	DRIVEWAY
	20+58B	LT	25	DRIVEWAY
	51+50G	RT	35	DRIVEWAY
	SUBTOTAL CATEGORY 0010		315	
0060	51+57G	LT	30	DRIVEWAY
	51+30Q	LT	35	DRIVEWAY
	SUBTOTAL CATEGORY 0060		65	
	TOTAL		380	

REMOVING CURB & GUTTER

CATEGORY	STATION - STATION	LOCATION	204.0150 LF
0010	106+31.41 - 108+59.2	SOUTHBOUND MEDIAN	230
	107+00. - 108+59.2	NORTHBOUND MEDIAN	160
	108+32. - 108+62.61	TIMBER WOLF TR RADIUS	65
	108+91.67 - 109+20.7	TIMBER WOLF TR RADIUS	70
	108+32. - 109+20.6	RT	90
	9+71.06B - 15+60.B	BLACKHAWK RD RT	610
	16+09.B - 21+16.4B	BLACKHAWK RD RT	520
	16+07.B - 21+16.4B	BLACKHAWK RD LT	540
	139+89.8 - 52+25.7G	GREENWAY BLVD RT	350
	SUBTOTAL CATEGORY 0010		2,635
0060	10+71.25B - 11+76.8B	BLACKHAWK RD LT	110
	14+07.7B - 15+72.8B	BLACKHAWK RD LT	180
	140+75. - 51+19.G	GREENWAY BLVD MEDIAN	380
	51+86.3G - 53+38.6G	GREENWAY BLVD MEDIAN	150
	54+77.7G - 54+87.7G	GREENWAY BLVD MEDIAN	10
	141+84.9 - 53+38.6G	GREENWAY BLVD LT	450
	171+14.3 - 51+28.3Q	QUARRY RD RT	210
	172+35.4 - 51+56.71Q	QUARRY RD LT	210
	SUBTOTAL CATEGORY 0060		1,700
	TOTAL		4,335

REMOVING FENCE

CATEGORY	STATION - STATION	LOCATION	204.0170 LF
0060	148+60 - 150+00	LT	110
	154+10 - 155+50	RT	100
	155+00 - 156+75	LT	190
	157+65 - 162+20	LT	530
	159+10 - 165+95	RT	730
	166+70 - 166+95	LT	30
	171+65 - 172+50	LT	55
	174+45 - 178+00	RT	200
	TOTAL		1,945

REMOVING CONCRETE BASES

CATEGORY	STATION	LOCATION	* 204.0195 EACH	REMARKS
0060	148+60	60'LT	2	GOLF COURSE SIGN
	155+08	137'LT	1	BOLLARD BASE
	155+52	22'LT	1	RRFB BASE
	155+63	25'LT	1	BOLLARD BASE
	155+70	59'LT	1	RRFB BASE
	166+83	59'LT	2	DRIVEWAY GATE BASES
	176+37	36'RT	1	COMMERCIAL SIGN
	TOTAL		9	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING CONCRETE SIDEWALK

CATEGORY	STATION - STATION	LOCATION	204.0155 SY
0010	108+36.6 - 108+43.4	RT	8
	108+38.4 - 108+45.5	MEDIAN	4
	108+43.6 - 108+62.	TIMBER WOLF TR	28
	108+94. - 109+07.1	TIMBER WOLF TR	11
	118+33. - 121+43.7	LT	195
	121+65.1 - 128+05.2	LT	380
	11+41.7B - 15+11.3B	BLACKHAWK RD RT	195
	15+11.3B - 15+57.5B	BLACKHAWK RD RT	34
	16+17.8B - 16+43.3B	BLACKHAWK RD RT	13
	16+34.5B - 20+51.9B	BLACKHAWK RD RT	225
	16+17.4B - 20+43.5B	BLACKHAWK RD LT	240
	140+03.9 - 51+59.9G	GREENWAY BLVD RT	145
	SUBTOTAL CATEGORY 0010		1,478
0060	141+58.2 - 52+30.4G	GREENWAY BLVD LT	170
	172+12.5 - 51+53.8G	QUARRY RD LT	94
	SUBTOTAL CATEGORY 0060		264
	TOTAL		1,742

REMOVING RRFB

CATEGORY	STATION	LOCATION	204.9060.S.04 REMOVING RRFB EACH
0060	155+52	22'LT	1
	155+70	58'LT	1
	TOTAL		2

REMOVING PILLARS

CATEGORY	STATION	LOCATION	204.9060.S.05 REMOVING PILLARS EACH
0060	177+15	55'LT	1
	177+38	55'LT	1
	TOTAL		2

REMOVING MASONRY

CATEGORY	LOCATION	204.0185 CY	REMARKS
0010	UNDISTRIBUTED	4	FOR REMOVAL OF MISC. ABANDONED STRUCTURES IF ENCOUNTERED
0060	UNDISTRIBUTED	4	FOR REMOVAL OF MISC. ABANDONED STRUCTURES IF ENCOUNTERED
	TOTAL	8	

REMOVING BUILDING

CATEGORY	STATION/PARCEL	LOCATION	(STATION) 204.0230 LS	REMARKS
0060	01. STATION 175+90	RT	1	ABANDONED SHEET METAL WAREHOUSE

DRIVEWAY SUMMARY

CATEGORY	STATION	OFFSET	416.0170 CONCRETE DRIVEWAY 7-INCH SY	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (DRIVEWAYS) TON	*305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON
0010	110+37	LT	45	5	25
	111+20	LT	150	---	50
	114+74	LT	22	10	45
	119+41	RT	6	---	2
	121+52	LT	100	23	85
	10+24B	RT	35	---	10
	11+41B	LT	47	6	30
	20+58B	LT	26	---	9
	SUBTOTALS		431	44	256
0060	149+15	LT	65	6	35
	155+50	LT	---	31	70
	158+63	RT	41	5	25
	166+13	LT	89	9	200
	175+25	RT	94	330	790
	176+50	RT	---	21	50
	177+30	LT	26	2	30
	51+50G	RT	42	---	15
	51+57G	LT	61	12	50
	51+30Q	LT	68	1	25
	SUBTOTALS		486	417	1,290
	TOTALS		917	461	1,546

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

FINISHING ROADWAY

CATEGORY	PROJECT	213.0100.01 EACH
0010	5992-11-01	0.29
0060	5992-11-01	0.71
	TOTAL	1.00

REMOVING COMMERCIAL SIGN

CATEGORY	STATION	LOCATION	204.9060.S.03 REMOVING COMMERCIAL SIGN EACH
0060	176+37	36'RT	1
	148+60	60'LT	1
	174+18	37'LT	1
		TOTAL	3

BASE AGGREGATE DENSE

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	* 312.0110 SELECT CRUSHED MATERIAL TON	* 624.0100 WATER (FOR COMPACTION) MGAL	624.0100 WATER (FOR DUST CONTROL) MGAL
0010	STAGE 2	108+32.00 - 127+80.64	SOUTHBOUND	5,900	6,900	88.3	11.8
0010	STAGE 2	129+16.23 - 140+13.04	NORTHBOUND	3,150	3,650	47.1	6.3
0010	STAGE 2	140+13.04 - 141+36.33	GREENWAY ROUNDABOUT	560	660	8.4	1.1
0010		SUBTOTAL (CATEGORY 0010, STAGE 2)		9,610	11,210	143.8	19.2
0050	STAGE 2	109+07.93 - 14+96.5B	MULTI-USE PATH	1,400	0	21.2	2.8
0060	STAGE 2	141+36.33 - 155+00.00	NORTHBOUND	3,900	4,600	58.8	7.8
0060	STAGE 2	156+00.00 - 166+00.00	NORTHBOUND	3,350	3,900	50.1	6.7
0060	STAGE 2	156+00.00 - 170+92.90SB	SOUTHBOUND	4,350	5,100	65.2	8.7
0060	STAGE 2	170+92.90SB - 172+07.80SB	QUARRY ROUNDABOUT	380	450	5.7	0.8
0060	STAGE 2	172+07.80SB - 178+00.00	SOUTHBOUND	1,550	1,800	23.4	3.1
0060	STAGE 2	50+00.00G - 54+87.70G	GREENWAY BOULEVARD	1,350	1,600	20.3	2.7
0060	STAGE 2	14+32.05 - 15+35.54	MULTI-USE PATH	95	---	1.4	0.2
0060	STAGE 2	171+45.00 LT	C.E.	820	960	12.3	1.6
0060		SUBTOTAL (CATEGORY 0060, STAGE 2)		15,795	18,410	237.2	31.6
		TOTAL STAGE 2		26,805	29,620	402.2	53.6
0010	STAGE 2A	127+80.64 - 128+23.28	BLACKHAWK ROUNDABOUT	95	110	1.4	0.2
0010		SUBTOTAL (CATEGORY 0010, STAGE 2A)		95	110	1.4	0.2
0060	STAGE 2A	10+71.25B - 15+01.88B	BLACKHAWK ROAD	700	820	10.5	1.4
0060	STAGE 2A	128+55.17 - 129+67.43	BLACKHAWK ROUNDABOUT	190	220	2.9	0.4
0060		SUBTOTAL (CATEGORY 0060, STAGE 2A)		890	1,040	13.4	1.8
		TOTAL STAGE 2A		985	1,150	14.8	2.0
0010	STAGE 2B	9+71.06B - 15+11.34B	BLACKHAWK ROAD	770	900	11.6	1.5
0010	STAGE 2B	128+00.86 - 128+55.17	BLACKHAWK ROUNDABOUT	130	150	2.0	0.3
0010		SUBTOTAL (CATEGORY 0010, STAGE 2B)		900	1,050	13.6	1.8
0050	STAGE 2B	14+29.75B - 14+96.50B	MULTI-USE PATH	35	0	0.6	0.1
		TOTAL STAGE 2B		935	1,050	14.2	1.9
0010	STAGE 3	108+32.00 - 127+95.23	NORTHBOUND	5,750	6,700	85.9	11.5
0010	STAGE 3	127+95.23 - 129+67.43	BLACKHAWK ROUNDABOUT	650	750	9.8	1.3
0010	STAGE 3	16+62.34B - 21+16.36B	BLACKHAWK ROAD	1,700	2,000	25.6	3.4
0010		SUBTOTAL (CATEGORY 0010, STAGE 3)		8,100	9,450	121.3	16.2
0060	STAGE 3	155+00.00 - 156+00.00	NORTHBOUND	300	350	4.4	0.6
0060	STAGE 3	166+00.00 - 170+79.34	NORTHBOUND	1,350	1,600	20.6	2.7
0060	STAGE 3	170+79.34 - 171+71.30	QUARRY ROUNDABOUT	340	400	5.2	0.7
0060	STAGE 3	172+15.54 - 178+00.00	NORTHBOUND	1,700	1,950	25.2	3.4
0060	STAGE 3	175+01.75 - 177+24.60	LEFT TURN LANE	230	270	3.4	0.5
0060	STAGE 3	50+10.04Q - 51+56.71Q	QUARRY ROAD	250	290	3.7	0.5
0060		SUBTOTAL (CATEGORY 0060, STAGE 3)		4,170	4,860	62.5	8.4
		TOTAL STAGE 3		12,270	14,310	183.8	24.6

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CON'T NEXT PAGE

BASE AGGREGATE DENSE (CON'T)

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	* 312.0110 SELECT CRUSHED MATERIAL TON	* 624.0100 WATER (FOR COMPACTION) MGAL	* 624.0100 WATER (FOR DUST CONTROL) MGAL
0060	STAGE 3A	50+00.00Q - 51+56.71Q	QUARRY ROAD	130	160	2.0	0.3
0060	STAGE 3A	171+63.57 - 171+87.50	QUARRY ROUNDABOUT	35	40	0.5	0.1
0060		SUBTOTAL (CATEGORY 0060, STAGE 3A)		165	200	2.5	0.4
		TOTAL STAGE 3A		165	200	2.5	0.4
0060	STAGE 3B	50+00.00Q - 51+56.71Q	QUARRY ROAD	160	190	2.4	0.3
0060	STAGE 3B	171+72.30 - 172+15.54	QUARRY ROUNDABOUT	200	240	3.1	0.4
0060		SUBTOTAL (CATEGORY 0060, STAGE 3B)		360	430	5.5	0.7
		TOTAL STAGE 3B		360	430	5.5	0.7
0010	STAGE 4	108+32.00 - 108+54.16	MEDIAN C&G	15	15	0.2	0.0
0010	STAGE 4	109+03.59 - 110+38.14	MEDIAN C&G	55	60	0.8	0.1
0010	STAGE 4	128+81.76 - 127+81.56	SOUTHBOUND MEDIAN	45	50	0.7	0.1
0010		SUBTOTAL (CATEGORY 0010, STAGE 4)		115	125	1.7	0.2
0060	STAGE 4	129+67.43 - 140+19.93SB	SOUTHBOUND	3,000	3,550	45.3	6.0
0060	STAGE 4	140+19.93SB - 141+35.59SB	GREENWAY ROUNDABOUT	400	460	5.9	0.8
0060	STAGE 4	141+35.59SB - 156+00.00	SOUTHBOUND	4,150	4,850	62.0	8.3
0060	STAGE 4	146+54.45 - 149+73.65	LEFT TURN LANE	350	410	5.2	0.7
0060	STAGE 4	10+00.00Q1 - 12+98.45Q1	QUARRY RD TRUCK APRON	270	180	4.1	0.5
0060	STAGE 4	172+18.94 - 172+67.32	SOUTHBOUND MEDIAN C&G	20	25	0.3	0.0
0060	STAGE 4	50+04.09Q - 50+40.29Q	QUARRY RD SPLITTER ISLAND	35	40	0.5	0.1
0060	STAGE 4	129+49.69 - 139+81.80	MULTI-USE PATH	810	---	12.1	1.6
0060	STAGE 4	139+81.80 - 141+91.53	MULTI-USE PATH	100	---	1.5	0.2
0060	STAGE 4	141+91.53 - 152+47.04	MULTI-USE PATH	740	---	11.0	1.5
0060	STAGE 4	36+64.88BP - 37+76.28BP	MULTI-USE PATH	60	---	0.9	0.1
0060	STAGE 4	38+97.78BP - 42+33.72BP	MULTI-USE PATH	200	---	2.9	0.4
0060	STAGE 4	50+00.00BP2 - 55+06.74BP2	MULTI-USE PATH	300	---	4.6	0.6
0060		SUBTOTAL (CATEGORY 0060, STAGE 4)		10,435	9,515	156.3	20.8
		TOTAL STAGE 4		10,550	9,640	158.0	21.0
0010	STAGE 5	106+31.41 - 109+34.04	NORTHBOUND AND MEDIAN	300	360	4.6	0.6
0010	STAGE 5	10+00.00B1 - 12+98.45B1	BLACKHAWK RD TRUCK APRON	250	180	3.8	0.5
0010	STAGE 5	14+53.12B - 15+07.52B	BLACKHAWK RD SPLITTER ISLAND	45	55	0.7	0.1
0010	STAGE 5	16+66.16B - 17+19.12B	BLACKHAWK RD SPLITTER ISLAND	45	55	0.7	0.1
0010		SUBTOTAL (CATEGORY 0010, STAGE 5)		640	650	9.8	1.3
0060	STAGE 5	10+00.00G1 - 12+98.45G1	GREENWAY BLVD TRUCK APRON	250	180	3.8	0.5
0060	STAGE 5	50+03.19G - 50+31.22G	GREENWAY BLVD SPLITTER ISLAND	30	35	0.4	0.1
0060		SUBTOTAL (CATEGORY 0060, STAGE 5)		280	215	4.2	0.6
		TOTAL STAGE 5		920	865	14.0	1.9
		GRAND TOTAL (CATEGORY 0010)		19,460	22,595	291.6	38.9
		GRAND TOTAL (CATEGORY 0050)		1,435	0	22	3
		GRAND TOTAL (CATEGORY 0060)		32,095	34,670	481.6	64.3
		GRAND TOTALS		52,990	57,265	795.0	106.1

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

QMP BASE AGGREGATE DENSE 1 1/4-INCH COMPACTION

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	371.2000.S QMP BASE AGGREGATE DENSE 1 1/4-INCH COMPACTION EACH
0010	STAGE 2	108+32.00 - 127+80.64	SOUTHBOUND	8
0010	STAGE 2	129+16.23 - 140+13.04	NORTHBOUND	4
0010		SUBTOTAL (CATEGORY 0010, STAGE 2)		12
0060	STAGE 2	141+36.33 - 155+00.00	NORTHBOUND	4
0060	STAGE 2	156+00.00 - 166+00.00	NORTHBOUND	4
0060	STAGE 2	156+00.00 - 170+92.90SB	SOUTHBOUND	4
0060	STAGE 2	172+07.80SB - 178+00.00	SOUTHBOUND	4
0060		SUBTOTAL (CATEGORY 0060, STAGE 2)		16
		TOTAL STAGE 2		28
0010	STAGE 3	108+32.00 - 127+95.23	NORTHBOUND	8
0010		SUBTOTAL (CATEGORY 0010, STAGE 3)		8
0060	STAGE 3	155+00.00 - 156+00.00	NORTHBOUND	4
0060	STAGE 3	166+00.00 - 170+79.34	NORTHBOUND	4
0060	STAGE 3	172+15.54 - 178+00.00	NORTHBOUND	4
0060		SUBTOTAL (CATEGORY 0060, STAGE 3)		12
		TOTAL STAGE 3		20
0060	STAGE 4	129+67.43 - 140+19.93SB	SOUTHBOUND	4
0060	STAGE 4	141+35.59SB - 156+00.00	SOUTHBOUND	4
0060		SUBTOTAL (CATEGORY 0060, STAGE 4)		8
		TOTAL STAGE 4		8
		GRAND TOTAL (CATEGORY 0010)		20
		GRAND TOTAL (CATEGORY 0060)		36
		GRAND TOTALS		56

ASPHALTIC ITEMS

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	* 455.0605 TACK COAT GAL	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6424 HMA PAVEMENT 4 MT 58-28 H TON
0010	STAGE 2	108+32.00 - 127+80.64	SOUTHBOUND	385	---	1,440	810
0010	STAGE 2	129+16.23 - 140+13.04	NORTHBOUND	195	---	730	410
0010	STAGE 2	140+13.04 - 141+36.33	GREENWAY ROUNDABOUT	41	---	155	86
		SUBTOTAL (CATEGORY 0010, STAGE 2)		621	0	2,325	1,306
0050	STAGE 2	109+07.93 - 14+96.5B	MULTI-USE PATH	0	395	0	0
0060	STAGE 2	141+36.33 - 155+00.00	NORTHBOUND	250	---	935	525
0060	STAGE 2	156+00.00 - 166+00.00	NORTHBOUND	200	---	745	420
0060	STAGE 2	156+00.00 - 170+92.90SB	SOUTHBOUND	305	---	1,140	640
0060	STAGE 2	170+92.90SB - 172+07.80SB	QUARRY ROUNDABOUT	27	---	100	58
0060	STAGE 2	172+07.80SB - 178+00.00	SOUTHBOUND	105	---	385	215
0060	STAGE 2	50+00.00G - 54+87.70G	GREENWAY BOULEVARD	89	---	335	190
0060	STAGE 2	14+32.05 - 15+35.54	MULTI-USE PATH	0	24	---	---
0060	STAGE 2	171+45.00 LT	C.E.	68	---	255	145
0060		SUBTOTAL (CATEGORY 0060, STAGE 2)		1,044	24	3,895	2,193
		TOTAL STAGE 2		1,665	419	6,220	3,499
0010	STAGE 2A	127+80.64 - 128+23.28	BLACKHAWK ROUNDABOUT	8	---	28	16
0010		SUBTOTAL (CATEGORY 0010, STAGE 2A)		8	0	28	16
0060	STAGE 2A	10+71.25B - 15+01.88B	BLACKHAWK ROAD	45	---	170	94
0060	STAGE 2A	128+55.17 - 129+67.43	BLACKHAWK ROUNDABOUT	15	---	57	32
0060		SUBTOTAL (CATEGORY 0060, STAGE 2A)		60	0	227	126
		TOTAL STAGE 2A		68	0	255	142
0010	STAGE 2B	9+71.06B - 15+11.34B	BLACKHAWK ROAD	48	---	180	100
0010	STAGE 2B	128+00.86 - 128+55.17	BLACKHAWK ROUNDABOUT	10	---	38	21
0010		SUBTOTAL (CATEGORY 0010, STAGE 2B)		58	0	218	121
0050	STAGE 2B	14+29.75B - 14+96.50B	MULTI-USE PATH	0	11	0	0
		TOTAL STAGE 2B		58	11	218	121
0010	STAGE 3	108+32.00 - 127+95.23	NORTHBOUND	370	---	1,390	780
0010	STAGE 3	127+95.23 - 129+67.43	BLACKHAWK ROUNDABOUT	44	---	165	93
0010	STAGE 3	16+62.34B - 21+16.36B	BLACKHAWK ROAD	115	---	430	240
0010		SUBTOTAL (CATEGORY 0010, STAGE 3)		529	0	1,985	1,113
0060	STAGE 3	155+00.00 - 156+00.00	NORTHBOUND	19	---	71	40
0060	STAGE 3	166+00.00 - 170+79.34	NORTHBOUND	88	---	330	185
0060	STAGE 3	170+79.34 - 171+71.30	QUARRY ROUNDABOUT	26	---	99	55
0060	STAGE 3	172+15.54 - 178+00.00	NORTHBOUND	105	---	400	225
0060	STAGE 3	175+01.75 - 177+24.60	LEFT TURN LANE	15	---	55	31
0060	STAGE 3	50+10.04Q - 51+56.71Q	QUARRY ROAD	16	---	61	34
0060		SUBTOTAL (CATEGORY 0060, STAGE 3)		269	0	1,016	570
		TOTAL STAGE 3		798	0	3,001	1,683

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ASPHALTIC ITEMS

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	* 455.0605 TACK COAT GAL	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6424 HMA PAVEMENT 4 MT 58-28 H TON
0060	STAGE 3A	50+00.00Q - 51+56.71Q	QUARRY ROAD	11	---	42	23
0060	STAGE 3A	171+63.57 - 171+87.50	QUARRY ROUNDABOUT	3	---	11	6
0060		SUBTOTAL (CATEGORY 0060, STAGE 3A)		14	0	53	29
		TOTAL STAGE 3A		14	0	53	29
0060	STAGE 3B	50+00.00Q - 51+56.71Q	QUARRY ROAD	9	---	35	20
0060	STAGE 3B	171+72.30 - 172+15.54	QUARRY ROUNDABOUT	15	---	57	32
0060		SUBTOTAL (CATEGORY 0060, STAGE 3B)		24	0	92	52
		TOTAL STAGE 3B		24	0	92	52
0060	STAGE 4	129+67.43 - 140+19.93SB	SOUTHBOUND	195	---	720	405
0060	STAGE 4	140+19.93SB - 141+35.59SB	GREENWAY ROUNDABOUT	29	---	105	60
0060	STAGE 4	141+35.59SB - 156+00.00	SOUTHBOUND	270	---	1,000	560
0060	STAGE 4	146+54.45 - 149+73.65	LEFT TURN LANE	22	---	83	47
0060	STAGE 4	129+49.69 - 139+81.80	MULTI-USE PATH	0	205	---	---
0060	STAGE 4	139+81.80 - 141+91.53	MULTI-USE PATH	0	27	---	---
0060	STAGE 4	141+91.53 - 152+47.04	MULTI-USE PATH	0	200	---	---
0060	STAGE 4	36+64.88BP - 37+76.28BP	MULTI-USE PATH	0	26	---	---
0060	STAGE 4	38+97.78BP - 42+33.72BP	MULTI-USE PATH	0	64	---	---
0060	STAGE 4	50+00.00BP2 - 55+06.74BP2	MULTI-USE PATH	0	96	---	---
0060		SUBTOTAL (CATEGORY 0060, STAGE 4)		516	618	1,908	1,072
		TOTAL STAGE 4		516	618	1,908	1,072
0010	STAGE 5	108+32.00 - 109+34.04	NORTHBOUND AND MEDIAN	14	---	62	35
0010		SUBTOTAL (CATEGORY 0010, STAGE 5)		14	0	62	35
		TOTAL STAGE 5		14	0	62	35
		GRAND TOTAL (CATEGORY 0010)		1,230	0	4,618	2,591
		GRAND TOTAL (CATEGORY 0050)		0	406	0	0
		GRAND TOTAL (CATEGORY 0060)		1,927	642	7,191	4,042
		GRAND TOTALS		3,157	1,048	11,809	6,633

NOTE: A CONVERSION FACTOR OF 112 LBS/SY/IN WAS USED TO ESTIMATE QUANTITIES FOR HMA PAVEMENT.

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

COLD PATCH

CATEGORY	LOCATION	495.1000.S TON	REMARKS
0010	UNDISTRIBUTED	10	FOR PATCHING EXISTING PAVEMENT DURING CONSTRUCTION
0060	UNDISTRIBUTED	10	FOR PATCHING EXISTING PAVEMENT DURING CONSTRUCTION
	TOTAL	20	

ASPHALTIC SURFACE TEMPORARY

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	* 455.0605 TACK COAT GAL	* 465.0125 ASPHALTIC SURFACE TEMPORARY TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON
0010	STAGE 1	106+31. - 108+31.5	MEDIAN	11	50	120
	STAGE 1	108+47.7 - 119+08.9	RT	145	675	1,950
	STAGE 1	121+54. - 126+22.	RT	26	125	445
		SUBTOTALS (STAGE 1 CATEGORY 0010)		182	850	2,515
0060	STAGE 1	129+99. - 155+80.	LT	270	1,250	3,800
	STAGE 1	151+20. - 163+36.	LT/RT	---	47	---
	STAGE 1	166+00. - 170+87.	RT	48	225	685
	STAGE 1	172+15. - 178+00.	RT	26	120	475
		SUBTOTALS (STAGE 1 CATEGORY 0060)		344	1,642	4,960
		TOTAL STAGE 1		526	2,492	7,475
0010	STAGE 2	108+32. - 110+38.1	MEDIAN	24	110	265
	STAGE 2	126+82. - 127+81.	MEDIAN	6	27	64
	STAGE 2	9+71.B - 14+52.B	BLACKHAWK RD RT	41	190	610
		SUBTOTALS (STAGE 2 CATEGORY 0010)		71	327	939
0060	STAGE 2	139+70. - 141+73.	GREENWAY BLVD RAB CENTRAL ISLAND	47	220	530
	STAGE 2	171+02. - 172+67.7	QUARRY RD RAB CENTRAL ISLAND	20	94	225
	STAGE 2	50+00.G - 50+29.7G	GREENWAY BLVD SPLITTER ISLAND	5	25	59
		SUBTOTALS (STAGE 2 CATEGORY 0010)		72	339	814
		TOTAL STAGE 2		143	666	1,753
0010	STAGE 2A	128+61. - 128+93.8	BLACKHAWK RD RAB CENTRAL ISLAND	4	17	39
		14+81.B - 15+02.B	BLACKHAWK RD SPLITTER ISLAND	1	2	5
		SUBTOTALS (STAGE 2A CATEGORY 0010)		5	19	44
0060	STAGE 2A	129+40. - 131+83.	LT	30	140	505
		SUBTOTALS (STAGE 2A CATEGORY 0060)		30	140	505
		TOTAL STAGE 2A		35	159	549
0010	STAGE 2B	128+10. - 128+61.	BLACKHAWK RD RAB CENTRAL ISLAND	7	30	72
	STAGE 2B	14+52.2B - 15+11.34B	BLACKHAWK RD SPLITTER ISLAND	7	33	79
		SUBTOTALS (STAGE 2B CATEGORY 0010)		14	63	151
		TOTAL STAGE 2B		14	63	151

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CON'T NEXT PAGE

ASPHALTIC SURFACE TEMPORARY

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	* 455.0605 TACK COAT GAL	* 465.0125 ASPHALTIC SURFACE TEMPORARY TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON
0010	STAGE 3	108+32. - 109+34.04	MEDIAN	7	33	79
	STAGE 3	128+15. - 128+98.	BLACKHAWK RD RAB CENTRAL ISLAND	25	115	275
		SUBTOTALS (STAGE 3 CATEGORY 0010)		32	148	354
0060	STAGE 3	166+45. - 166+85.	MEDIAN	1	6	15
	STAGE 3	171+46. - 171+62.	QUARRY RD RAB CENTRAL ISLAND	2	9	21
	STAGE 3	175+01.75 - 177+24.6	QUARRY RD SPLITTER ISLAND	7	33	77
	STAGE 3	50+00.0 - 51+56.710	QUARRY RD SPLITTER ISLAND	5	22	52
		SUBTOTALS (STAGE 3 CATEGORY 0060)		15	70	165
		TOTAL STAGE 3		47	218	519
0060	STAGE 3A	171+62. - 171+73.	QUARRY RD RAB CENTRAL ISLAND	1	5	12
		SUBTOTALS (STAGE 3A CATEGORY 0060)		1	5	12
		TOTAL STAGE 3A		1	5	12
		GRAND TOTAL (CATEGORY 0010)		375	1,746	4,817
		GRAND TOTAL (CATEGORY 0060)		390	1,857	5,642
		GRAND TOTALS		765	3,603	10,459

NOTE: A CONVERSION FACTOR OF 112 LBS/SY/IN WAS USED TO ESTIMATE QUANTITIES FOR HMA PAVEMENT.
*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE TRUCK APRON 12-INCH & COLORING CONCRETE CUSTOM

CATEGORY	STAGE	STATION - STATION	LOCATION	416.0512 CONCRETE TRUCK APRON 12-INCH SY	*405.0200 COLORING CONCRETE CUSTOM CY
0010	STAGE 5	10+00 B1 - 12+98.45 B1	BLACKHAWK RD RAB	320	110
0060	STAGE 4	10+00 Q1 - 12+98.45 Q1	QUARRY RD RAB	350	120
	STAGE 5	10+00 G1 - 12+98.45 G1	GREENWAY BLVD RAB	320	110
		SUBTOTALS CATEGORY 0060		670	230
		TOTALS		990	340

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

ASPHALTIC CURB AND ASPHALTIC FLUMES

CATEGORY	STAGE	STATION - STATION	LOCATION	465.0310 ASPHALTIC CURB LF	465.0315 ASPHALTIC FLUMES SY
0010	STAGE 2	9+71.06B - 14+52.B	BLACKHAWK RD TEMP WIDENING	480	---
0060	STAGE 1	152+00. - 155+04.6	TEMP WIDENING LT	305	5
		TOTALS		785	5

EARTHWORK SUMMARY

CATEGORY	DIVISION	LOCATION	STATION		STATION	LOCATION	205.0100 EXCAVATION COMMON (1) CUT (2) CY	205.0100 EXCAVATION COMMON (1) EBS EXCAVATION (3) 5% OF CUT CY	205.0200 STRUCTURE EXCAVATION (10) CY	AVAILABLE MATERIAL (4) CY	ROCK EXCAVATION (11) CY	EXPANDED EBS BACKFILL (5) FACTOR 1.25 CY	EXPANDED ROCK FACTOR 1.10 CY	UNEXPANDED FILL CY	EXPANDED FILL (6) FACTOR 1.25 CY	MASS ORDINATE +/- (7)	WASTE (8) CY	* 312.0110 SELECT CRUSHED MATERIAL (9) TON	* 624.0100 WATER (FOR DUST CONTROL) MGAL
0010	STAGE 1	TEMPORARY WIDENING	107+00 NB	-	128+50 NB	LT/RT	2,405	120	0	2,405	0	150	0	3,546	4,433	-2,027	-1,877	263	6
		SUBTOTALS (STAGE 1)					2,405	120	0	2,405	0	150	0	3,546	4,433	-2,027	-1,877	263	6
	STAGE 2	PLEASANT VIEW ROAD	129+16 NB	-	140+13 NB	RT	2,584	129	0	2,584	0	162	0	2,231	2,788	-204	-42	283	6
		PLEASANT VIEW ROAD	126+00 SB	-	128+00 SB	LT	869	43	0	869	0	54	0	7	9	859	914	95	2
		TEMPORARY WIDENING	10+00 B	-	14+50 B	RT	505	25	0	505	0	32	0	0	0	505	536	55	2
		BLACKHAWK ROAD	10+71 B	-	15+11 B	RT	1,466	73	0	1,466	0	92	0	83	104	1,362	1,453	160	4
		GREENWAY BLVD	50+00 G	-	53+38 G	RT	516	26	0	516	0	32	0	20	25	491	523	56	2
		G3 ALI	10+00 G3	-	11+00 G3	LT/RT	252	13	0	252	0	16	0	28	35	217	233	28	1
		SUBTOTALS (STAGE 2)					6,192	310	0	6,192	0	387	0	2,369	2,961	3,230	3,617	677	17
	STAGE 3	PLEASANT VIEW ROAD	126+00 NB	-	127+95 NB	RT	1,030	52	0	1,030	0	64	0	76	95	935	1,000	113	3
		BLACKHAWK ROAD	16+62 B	-	21+16 B	LT/RT	841	42	0	841	0	53	0	1,676	2,095	-1,253	-1,201	92	2
		B3 ALI	10+00 B3	-	11+50 B3	LT/RT	119	6	0	119	0	7	0	540	675	-556	-548	13	1
		SUBTOTALS (STAGE 3)					1,991	100	0	1,991	0	124	0	2,292	2,865	-874	-749	218	6
	STAGES 2-4	PLEASANT VIEW ROAD	108+32 NB	-	126+00 NB	LT/RT	14,201	710	0	14,201	0	888	0	16,259	20,324	-6,123	-5,235	1,553	30
	STAGES 3-5	BLACKHAWK ROAD ROUNDABOUT	10+00 B1	-	12+98 B1	LT/RT	1,410	71	0	1,410	0	88	0	487	609	801	889	154	3
		SUBTOTALS (STAGES 2-5)					15,611	781	0	15,611	0	976	0	16,746	20,933	-5,322	-4,346	1,707	33
		SUBTOTALS (0010)					26,200	1,310	0	26,200	0	1,637	0	24,953	31,192	-4,992	-3,355	2,866	62
		ITEM TOTALS (0010)						27,510											

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1) EXCAVATION COMMON IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100.
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL.
4) AVAILABLE MATERIAL = CUT + STRUCTURE EXCAVATION.
5) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
6) EXPANDED FILL = (UNEXPANDED FILL)* EXPANDED FILL FACTOR. EXPANDED FILL FACTOR = 1.25.
7) MASS ORDINATE: MASS ORDINATE = CUT - EXPANDED FILL + STRUCTURE EXCAVATION.
PLUS MASS ORDINATE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS MASS ORDINATE QUANTITY INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
8) WASTE = MASS ORDINATE + EXPANDED EBS BACKFILL
9) SELECT CRUSHED MATERIAL IS USED FOR BACKFILL OF EBS.
10) STRUCTURE EXCAVATION FOR INFORMATION ONLY; STRUCTURE EXCAVATION DOES NOT INCLUDE ROCK EXCAVATION WITHIN THE STRUCTURE EXCAVATION LIMITS.
11) ROCK EXCAVATION NOT USED FOR FILL MATERIAL.
12) WEATHERED TO INCREASINGLY MORE COMPETENT BEDROCK WAS ENCOUNTERED IN MANY BORINGS AND THE DEPTH AND CONSISTENCY OF THESE MATERIALS SHOULD BE EXPECTED TO VARY ACROSS THE SITE.
*ADDITIONAL QUANTITIES LISTED ELSEWHERE

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\030208_mq.dgn PLOT DATE : 2/1/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 43

EARTHWORK SUMMARY

CATEGORY	DIVISION	LOCATION	STATION		STATION	LOCATION	205.0100 EXCAVATION COMMON (1) CUT (2) 5% OF CUT CY	205.0100 EXCAVATION COMMON (1) EBS EXCAVATION (3) CY	205.0200 STRUCTURE EXCAVATION (10) CY	AVAILABLE MATERIAL (4) CY	ROCK EXCAVATION (11) CY	EXPANDED EBS BACKFILL (5) FACTOR 1.25 CY	EXPANDED ROCK FACTOR 1.10 CY	UNEXPANDED FILL CY	EXPANDED FILL (6) FACTOR 1.25 CY	MASS ORDINATE +/- (7) CY	WASTE (8)(13) CY	* 312.0110 SELECT CRUSHED MATERIAL (9) TON	* 624.0100 WATER (FOR DUST CONTROL) MGAL
0060	STAGE 1	TEMPORARY WIDENING	128+50 NB	-	178+00 NB	LT/RT	8,386	419	1,009	9,395	0	524	0	866	1,082	8,313	8,837	917	18
		POND D					2,255	0	0	2,255	0	0	0	38	48	2,208	2,208	0	5
		POND E					6,495	0	0	6,495	0	0	0	107	133	6,361	6,361	0	13
		POND F					5,920	0	0	5,920	0	0	0	98	122	5,798	5,798	0	12
		SUBTOTALS (STAGE 1)					23,056	419	1,009	24,065	0	524	0	1,108	1,385	22,680	23,205	917	48
	STAGE 2	PLEASANT VIEW ROAD	169+50 SB	-	174+50 SB	LT	6,692	335	0	6,692	2,519	418	2,771	69	87	6,605	7,024	732	15
		TEMPORARY SIDEWALK	10+00 B	-	14+50 B	LT	95	5	0	95	0	6	0	21	26	69	75	10	1
		BLACKHAWK ROAD	10+71 B	-	15+11 B	LT	1,143	57	0	1,143	0	71	0	45	56	1,087	1,158	125	3
		B6 ALI	10+00 B6	-	11+50 B6	LT/RT	518	26	57	575	0	32	0	13	16	559	592	57	2
		GREENWAY BLVD	50+00 G	-	53+38 G	LT	1,050	53	0	1,050	0	66	0	159	198	852	918	115	3
		NORTHWESTERN STONE DRIVEWAY	10+25 NS	-	12+49 NS	LT/RT	4,412	221	0	4,412	0	276	0	46	57	4,355	4,631	483	10
		SUBTOTALS (STAGE 2)					13,910	695	57	13,967	2,519	869	2,771	352	440	13,527	14,397	1,521	34
	STAGE 3	QUARRY ROAD	50+00 Q	-	51+57 Q	LT/RT	795	40	0	795	0	50	0	47	58	736	786	87	2
		Q3 ALI	10+00 Q3	-	10+50 Q3	LT/RT	182	9	0	182	0	11	0	0	0	182	193	20	1
		GOLF COURSE GRADING					1,776	0	0	1,776	0	0	0	10,030	12,537	-10,761	-10,761	0	4
		SUBTOTALS (STAGE 3)					2,753	49	0	2,753	0	61	0	10,077	12,596	-9,843	-9,782	107	7
	STAGE 4	PLEASANT VIEW ROAD	131+00 NB	-	136+00 NB	LT	1,932	97	0	1,932	0	121	0	386	483	1,450	1,570	211	5
		PLEASANT VIEW ROAD	129+24 SB	-	131+00 SB	LT	558	28	0	558	0	35	0	197	246	312	347	61	2
		PLEASANT VIEW ROAD	136+00 SB		143+50 SB	LT	4,110	205	0	4,110	0	257	0	308	385	3,725	3,981	449	9
		BP2 ALI	50+00 BP2	-	55+00 BP2	LT/RT	268	13	40	308	0	17	0	588	734	-426	-409	29	1
		SUBTOTALS (STAGE 4)					6,868	343	40	6,908	0	429	0	1,478	1,848	5,060	5,489	751	17
	STAGES 2-4	PLEASANT VIEW ROAD	141+36 NB	-	178+00 NB	LT/RT	69,625	3,481	6,888	76,513	36,353	4,352	39,988	13,398	16,747	59,766	64,117	7,615	147
	STAGES 2-4	QUARRY ROAD ROUNDABOUT	10+00 Q1	-	12+98 Q1	LT/RT	2,718	136	0	2,718	0	170	0	290	362	2,355	2,525	297	6
	STAGES 2-4	BP ALI	36+65 BP	-	42+34 BP	LT/RT	396	20	0	396	0	25	0	273	341	55	79	43	1
	STAGES 2-5	GREENWAY BLVD ROUNDABOUT	10+00 G1	-	12+98 G1	LT/RT	1,918	96	0	1,918	0	120	0	368	460	1,458	1,578	210	5
		SUBTOTALS (STAGES 2-5)					74,657	3,733	6,888	81,545	36,353	4,666	39,988	14,328	17,910	63,634	68,300	8,166	159
		SUBTOTALS (0060)					121,244	5,240	7,994	129,238	38,872	6,550	42,759	27,343	34,179	95,059	101,609	11,462	265
		ITEM TOTALS (0060)						126,484											
0160	STAGES 2-4	SWALLOWTAIL POND					29,450	0	0	29,450	0	0	0	4,810	6,013	23,438	23,438	0	59
		SUBTOTALS (0160)						29,450											
		GRAND TOTALS						183,453	7,994	184,897	38,872	8,188	42,759	57,120	71,399	113,497	121,685	14,329	386

1) EXCAVATION COMMON IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100.
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL.
4) AVAILABLE MATERIAL = CUT + STRUCTURE EXCAVATION.
5) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
6) EXPANDED FILL = (UNEXPANDED FILL)* EXPANDED FILL FACTOR. EXPANDED FILL FACTOR = 1.25.
7) MASS ORDINATE: MASS ORDINATE = CUT - EXPANDED FILL + STRUCTURE EXCAVATION.
PLUS MASS ORDINATE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS MASS ORDINATE QUANTITY INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
8) WASTE = MASS ORDINATE + EXPANDED EBS BACKFILL
9) SELECT CRUSHED MATERIAL IS USED FOR BACKFILL OF EBS.
10) STRUCTURE EXCAVATION FOR INFORMATION ONLY; STRUCTURE EXCAVATION DOES NOT INCLUDE ROCK EXCAVATION WITHIN THE STRUCTURE EXCAVATION LIMITS.
11) ROCK EXCAVATION NOT USED FOR FILL MATERIAL.
12) WEATHERED TO INCREASINGLY MORE COMPETENT BEDROCK WAS ENCOUNTERED IN MANY BORINGS AND THE DEPTH AND CONSISTENCY OF THESE MATERIALS SHOULD BE EXPECTED TO VARY ACROSS THE SITE.
13) HAUL APPROXIMATELY 2,200 CY OF WASTE TO THE PLEASANT VIEW GOLF COURSE AS SHOWN ON THE CONSTRUCTION DETAILS - GOLF COURSE GRADING CONTOURS DRAWING. SEE SPECIAL PROVISIONS PRIOR TO PLACING MATERIAL.
*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE CURB & GUTTER SUMMARY

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	SPV.0090.01 CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL LF	SPV.0090.02 CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL LF	SPV.0090.31 CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL LF	SPV.0090.32 CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL LF	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D LF	601.0580 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R LF	SPV.0090.03 CONCRETE RAISED MEDIAN NOSE SPECIAL LF	601.0600 CONCRETE CURB PEDESTRIAN LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
0010	STAGE 2	108+32. - 108+62.61	TIMBER WOLF TR RADIUS	---	---	---	63	---	---	---	---	---	63
	STAGE 2	108+91.67 - 109+29.48	TIMBER WOLF TR RADIUS	---	---	---	70	---	---	---	---	---	70
	STAGE 2	109+29.48 - 127+70.88	SOUTHBOUND OUTSIDE	---	---	---	1,850	---	---	---	---	---	1,850
	STAGE 2	110+38.08 - 121+12.04	SOUTHBOUND MEDIAN	---	1,080	---	---	---	---	---	---	---	1,080
	STAGE 2	120+11.84 - 121+13.	NORTHBOUND MEDIAN	---	100	---	---	---	---	---	---	---	100
	STAGE 2	127+00. - 127+70.	SOUTHBOUND OUTSIDE	---	---	---	---	---	---	---	---	135	0
	STAGE 2	121+81.51 - 126+81.76	SOUTHBOUND MEDIAN	---	495	---	---	---	---	---	---	---	495
		SUBTOTALS (STAGE 2 CATEGORY 0010)		0	1,675	0	1,983	0	0	0	0	135	3,658
0060	STAGE 2	129+16.23 - 140+13.04	NORTHBOUND OUTSIDE	---	---	---	1,070	---	---	---	---	---	1,070
	STAGE 2	129+23.4 - 140+06.94	NORTHBOUND MEDIAN	---	1,110	---	---	---	---	---	---	---	1,110
	STAGE 2	140+13.04 - 140+41.56	GREENWAY BLVD RAB	---	---	---	58	---	---	---	---	---	58
	STAGE 2	140+41.56 - 52+25.73G	GREENWAY BLVD SOUTH	---	---	---	240	---	---	---	---	---	240
	STAGE 2	141+16.42 - 155+00.	NORTHBOUND OUTSIDE	---	---	---	1,400	---	---	---	---	---	1,400
	STAGE 2	141+43.48 - 143+33.04	SOUTHBOUND MEDIAN	---	225	---	---	---	---	---	---	---	225
	STAGE 2	141+47.48 - 146+54.34	NORTHBOUND MEDIAN	---	505	---	---	---	---	---	---	60	505
	STAGE 2	149+73.66 - 155+00.	NORTHBOUND MEDIAN	---	525	---	---	---	---	---	---	---	525
	STAGE 2	156+00. - 158+23.93	NORTHBOUND MEDIAN	---	225	---	---	---	---	---	---	---	225
	STAGE 2	156+00. - 158+23.93	SOUTHBOUND MEDIAN	---	225	---	---	---	---	---	---	---	225
	STAGE 2	156+00. - 166+00.	NORTHBOUND OUTSIDE	---	---	---	995	---	---	---	---	---	995
	STAGE 2	156+00. - 170+92.9	SOUTHBOUND OUTSIDE	---	---	---	1,510	---	---	---	---	---	1,510
	STAGE 2	158+98.29 - 165+70.97	NORTHBOUND MEDIAN	---	675	---	---	---	---	---	---	---	675
	STAGE 2	158+98.29 - 165+70.1	SOUTHBOUND MEDIAN	---	675	---	---	---	---	---	---	---	675
	STAGE 2	166+52.27 - 170+86.46	SOUTHBOUND MEDIAN	---	440	---	---	---	---	---	---	---	440
	STAGE 2	170+92.9 - 172+41.87	SOUTHBOUND OUTSIDE RAB	---	---	---	140	---	---	---	---	---	140
	STAGE 2	172+41.87 - 178+00.	SOUTHBOUND OUTSIDE	---	---	---	545	---	---	---	---	---	545
	STAGE 2	172+67.32 - 175+25.35	SOUTHBOUND MEDIAN	---	255	---	---	---	---	---	---	---	255
	STAGE 2	175+13.15 - 175+25.89	SB MEDIAN/LT TURN LANE	---	14	---	---	---	---	---	---	---	14
	STAGE 2	175+25.34 - 175+57.52	SOUTHBOUND MEDIAN	---	---	---	---	---	---	---	32	---	0
	STAGE 2	177+36. - 178+00.	SOUTHBOUND MEDIAN	---	70	---	---	---	---	---	---	---	70
	STAGE 2	50+00.G - 53+38.58G	GREENWAY BLVD NORTH SIDE	---	---	---	320	---	---	---	---	---	320
	STAGE 2	50+31.22G - 51+00.26G	GREENWAY BLVD MEDIAN SOUTH	---	74	---	---	---	---	---	---	---	74
	STAGE 2	50+29.71G - 51+00.26G	GREENWAY BLVD MEDIAN NORTH	---	71	---	---	---	---	---	---	---	71
	STAGE 2	51+90.17G - 52+25.73G	GREENWAY BLVD MEDIAN SOUTH	---	---	---	38	---	---	---	---	---	38
	STAGE 2	51+90.17G - 53+38.58G	GREENWAY BLVD MEDIAN NORTH	---	---	---	150	---	---	---	---	---	150
	STAGE 2	54+77.7G - 54+87.7G	GREENWAY BLVD MEDIAN NORTH	---	---	---	10	---	---	---	---	---	10
		SUBTOTALS (STAGE 2 CATEGORY 0060)		0	5,089	0	6,476	0	0	0	32	60	11,565
		TOTAL STAGE 2		0	6,764	0	8,459	0	0	0	32	195	15,223
0060	STAGE 2A	10+71.25B - 14+91.64B	BLACKHAWK RD NORTH SIDE	---	---	---	440	27	19	---	---	---	459
	STAGE 2A	127+70.06 - 127+99.49	BLACKHAWK RD RAB OUTSIDE	---	---	---	17	---	---	---	---	---	17
	STAGE 2A	14+91.64B - 15+39.48B	BLACKHAWK RD RAB OUTSIDE	---	---	---	25	---	---	---	---	---	25
		SUBTOTALS (STAGE 2A CATEGORY 0060)		0	0	0	482	27	19	0	0	0	501
		TOTAL STAGE 2A		0	0	0	482	27	19	0	0	0	501

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CONCRETE CURB & GUTTER SUMMARY

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	SPV.0090.01 CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL LF	SPV.0090.02 CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL LF	SPV.0090.31 CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL LF	SPV.0090.32 CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL LF	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D LF	601.0580 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R LF	SPV.0090.03 CONCRETE RAISED MEDIAN NOSE SPECIAL LF	601.0600 CONCRETE CURB PEDESTRIAN LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
0010	STAGE 2B	9+71.06B - 15+11.34B	BLACKHAWK RD SOUTH SIDE	---	---	---	530	---	---	---	---	---	530
	STAGE 2B	127+99.49 - 128+13.47	BLACKHAWK RD RAB OUTSIDE	---	---	---	24	---	---	---	---	---	24
		SUBTOTALS (STAGE 2B CATEGORY 0010)		0	0	0	554	0	0	0	0	0	554
		TOTAL STAGE 2B		0	0	0	554	0	0	0	0	0	554
0010	STAGE 3	108+32. - 127+95.23	NORTHBOUND OUTSIDE	---	---	---	1,940	---	---	---	---	---	1,940
	STAGE 3	109+34.04 - 120+11.84	NORTHBOUND MEDIAN	---	1,080	---	---	---	---	---	---	---	1,080
	STAGE 3	121+78.65 - 127+89.58	NORTHBOUND MEDIAN	---	635	---	---	---	---	---	---	---	635
	STAGE 3	127+95.23 - 16+83.27B	BLACKHAWK RD RAB	---	---	---	57	---	---	---	---	---	57
	STAGE 3	16+83.27B - 21+16.36B	BLACKHAWK RD SOUTH SIDE	---	---	---	450	---	---	---	---	---	450
	STAGE 3	16+62.34B - 21+16.36B	BLACKHAWK RD NORTH SIDE	---	---	---	445	---	---	---	---	---	445
		SUBTOTALS (STAGE 3 CATEGORY 0010)		0	1,715	0	2,892	0	0	0	0	0	4,607
0060	STAGE 3	128+99.03 - 129+16.23	NORTHBOUND OUTSIDE	---	---	---	42	---	---	---	---	---	42
	STAGE 3	129+24.19 - 131+04.96	SOUTHBOUND MEDIAN	---	210	---	---	---	---	---	---	---	210
	STAGE 3	155+00. - 156+00.	NORTHBOUND MEDIAN	---	100	---	---	---	---	---	---	---	100
	STAGE 3	155+00. - 156+00.	NORTHBOUND OUTSIDE	---	---	---	105	---	---	---	---	---	105
	STAGE 3	166+00. - 170+79.34	NORTHBOUND OUTSIDE	---	---	---	450	---	---	---	---	---	450
	STAGE 3	166+51.64 - 170+80.36	NORTHBOUND MEDIAN	---	460	---	---	---	---	---	---	60	460
	STAGE 3	170+79.34 - 50+20.67Q	QUARRY RD RAB	---	---	---	75	---	---	---	---	---	75
	STAGE 3	172+15.54 - 178+00.	NORTHBOUND OUTSIDE	---	---	---	590	---	---	---	---	---	590
	STAGE 3	172+15.54 - 175+13.15	NORTHBOUND MEDIAN	---	300	---	---	---	---	---	---	---	300
	STAGE 3	173+95.9 - 174+84.73	CE RT	---	---	13	145	---	---	---	---	---	145
	STAGE 3	174+61.03 - 174+83.54	CE RT	---	---	---	37	---	---	---	---	---	37
	STAGE 3	175+17.45 - 175+36.25	CE RT	12	29	---	---	---	---	---	---	---	29
	STAGE 3	175+57.79 - 178+00.	CE RT	---	---	15	---	---	255	---	---	---	255
	STAGE 3	175+62.03 - 177+24.6	SLOTTED LEFT TURN LANE	---	165	---	---	---	---	---	---	---	165
	STAGE 3	175+63.36 - 177+20.	NORTHBOUND MEDIAN	---	160	---	---	---	---	---	---	---	160
	STAGE 3	177+40. - 178+00.	NORTHBOUND MEDIAN	---	62	---	---	---	---	---	---	---	62
	STAGE 3	50+20.67Q - 51+28.43Q	QUARRY RD RT SIDE	---	---	---	130	---	---	---	---	---	130
		SUBTOTALS (STAGE 3 CATEGORY 0060)		12	1,486	28	1,574	0	255	0	0	60	3,315
		TOTAL STAGE 3		12	3,201	28	4,466	0	255	0	0	60	7,922
0010	STAGE 3B	50+00.Q - 51+56.71Q	QUARRY RD LT SIDE	---	---	---	140	---	---	---	---	---	140
	STAGE 3B	172+10. 172+20.	QUARRY RD RAB NORTH MEDIAN	---	20	---	---	---	---	---	---	---	20
	STAGE 3B	50+00.Q - 172+15.54	BLACKHAWK RD RAB OUTSIDE	---	---	---	54	---	---	---	---	---	54
		SUBTOTALS (STAGE 3B CATEGORY 0010)		0	20	0	194	0	0	0	0	0	214
		TOTAL STAGE 3B		0	20	0	194	0	0	0	0	0	214
0010	STAGE 4	108+32. - 108+54.16	NB AND SB MEDIAN	---	45	---	---	---	---	---	---	---	45
	STAGE 4	109+03.59 - 109+34.04	NORTHBOUND MEDIAN	---	32	---	---	---	---	---	---	---	32
	STAGE 4	109+06.13 - 110+38.14	SOUTHBOUND MEDIAN	---	130	---	---	---	---	---	---	---	130
	STAGE 4	126+81.76 - 127+81.56	SOUTHBOUND MEDIAN	---	135	---	---	---	---	---	---	60	135
		SUBTOTALS (STAGE 4 CATEGORY 0010)		0	342	0	0	0	0	0	0	60	342
0060	STAGE 4	129+41.23 - 139+84.67	SOUTHBOUND OUTSIDE	---	---	---	1,110	---	---	---	---	---	1,110
	STAGE 4	129+43. - 129+53.	BLACKHAWK RD RAB NORTH ISLAND	---	---	---	---	---	---	---	---	60	0
	STAGE 4	131+04.96 - 139+97.29	SOUTHBOUND MEDIAN	---	930	---	---	---	---	---	---	60	930
	STAGE 4	139+84.67 - 141+75.37	GREENWAY BLVD RAB OUTSIDE	---	---	---	140	---	---	---	---	---	140
	STAGE 4	141+75.37 - 156+00.	SOUTHBOUND OUTSIDE	---	---	---	1,450	---	---	---	---	---	1,450
	STAGE 4	143+33.04 - 148+72.32	SOUTHBOUND MEDIAN	---	540	---	---	---	---	---	---	---	540
	STAGE 4	146+54.34 - 148+72.32	NB MEDIAN LEFT TURN LANE	---	220	---	---	---	---	---	---	---	220
	STAGE 4	149+42.25 - 149+73.66	NB MEDIAN LEFT TURN LANE	---	33	---	---	---	---	---	---	---	33
	STAGE 4	149+42.25 - 156+00.	SOUTHBOUND MEDIAN	---	660	---	---	---	---	---	---	---	660
	STAGE 4	172+18.94 - 172+67.32	SOUTHBOUND MEDIAN	---	65	---	---	---	---	---	---	50	65
	STAGE 4	50+04.09Q - 50+40.29Q	QUARRY RD SPLITTER ISLAND	---	105	---	---	---	---	---	---	30	105
	STAGE 4	171+10.75 - 171+68.76	QUARRY RD RAB CENTRAL ISLAND	---	---	---	---	190	---	---	---	---	190
	STAGE 4	10+00.Q1 - 12+98.45Q1	QUARRY RD RAB CENTRAL ISLAND	---	---	---	---	---	---	285	---	---	285
		SUBTOTALS (STAGE 4 CATEGORY 0060)		0	2,553	0	2,700	190	0	285	0	200	5,728
		TOTAL STAGE 4		0	2,895	0	2,700	190	0	285	0	260	6,070

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CONCRETE CURB & GUTTER SUMMARY

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	SPV.0090.01 CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL LF	SPV.0090.02 CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL LF	SPV.0090.31 CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL LF	SPV.0090.32 CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL LF	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D LF	601.0580 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R LF	SPV.0090.03 CONCRETE RAISED MEDIAN NOSE SPECIAL LF	601.0600 CONCRETE CURB PEDESTRIAN LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
0010	STAGE 5	106+31.41 - 108+32.	SOUTHBOUND MEDIAN	---	---	---	200	---	---	---	---	---	200
	STAGE 5	107+00. - 108+32.	NORTHBOUND MEDIAN	---	---	---	130	---	---	---	---	---	130
	STAGE 5	14+53.12B - 15+07.52B	BLACKHAWK RD SPLITTER ISLAND	---	---	---	150	---	---	---	---	37	150
	STAGE 5	16+66.16B - 17+19.12B	BLACKHAWK RD SPLITTER ISLAND	---	---	---	140	---	---	---	---	37	140
	STAGE 5	128+24.23 - 128+87.23	BLACKHAWK RD RAB CENTRAL ISLAND	---	---	---	---	200	---	---	---	---	200
	STAGE 5	10+00.B1 - 12+98.45B1	BLACKHAWK RD SPLITTER ISLAND	---	---	---	---	---	---	285	---	---	285
		SUBTOTALS (STAGE 5 CATEGORY 0010)		0	0	0	620	200	0	285	0	74	1,105
0060	STAGE 5	50+03.19G - 50+31.22G	GREENWAY BLVD SPLITTER ISLAND	---	---	---	87	---	---	---	---	40	87
	STAGE 5	140+43.19 - 141+06.19	GREENWAY BLVD RAB CENTRAL ISLAND	---	---	---	---	200	---	---	---	---	200
	STAGE 5	10+00.G1 - 12+98.45G1	GREENWAY BLVD RAB CENTRAL ISLAND	---	---	---	---	---	---	285	---	---	285
		SUBTOTALS (STAGE 5 CATEGORY 0060)		0	0	0	87	200	0	285	0	40	572
		TOTAL STAGE 5		0	0	0	707	400	0	570	0	114	1,677
		GRAND TOTAL (CATEGORY 0010)		0	3,752	0	6,243	200	0	285	0	269	10,480
		GRAND TOTAL (CATEGORY 0060)		12	9,128	28	11,319	417	274	570	32	360	21,681
		GRAND TOTALS		12	12,880	28	17,562	617	274	855	32	629	32,161

CONCRETE SIDEWALK

CATEGORY	STATION - STATION	LOCATION	*602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0420 CONCRETE SIDEWALK 7-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	602.0615 CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA SF	*305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	*305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH
0010	108+23.5 - 108+38.5	RT	75	---	---	---	---	3	---
	108+36.6 - 108+43.4	RT	---	45	10	---	---	2	1
	108+35.9 - 108+43.3	MEDIAN	---	40	---	---	---	1	1
	108+45. - 108+52.3	LT	45	---	10	---	---	1	1
	108+96.9 - 109+09.5	LT	170	---	---	---	---	6	---
	121+37.8 - 121+73.4	C.E. LT	450	---	---	---	---	15	---
	126+41.5 - 127+57.5	RT	450	---	---	---	---	15	---
	126+97.6 - 127+12.3	LT	70	---	---	---	---	3	---
	127+56.6 - 18+04.6B	RT	---	2,300	40	---	---	70	2
	127+62.8 - 127+71.	MEDIAN	---	290	40	---	---	7	2
	11+41.7B - 14+34.8B	BLACKHAWK RD RT	1,500	---	40	---	---	50	2
	14+11.3B - 14+32.B	BLACKHAWK RD RT	85	---	---	---	---	3	---
	14+80.B - 14+89.B	BLACKHAWK RD MEDIAN	---	170	40	---	---	4	1
	16+85.B - 16+94.9B	BLACKHAWK RD MEDIAN	---	150	40	---	---	4	1
	18+04.6B - 18+17.1B	BLACKHAWK RD RT	45	---	---	---	---	2	---
	18+04.6B - 20+51.9B	BLACKHAWK RD RT	1,200	---	---	---	---	40	---
	129+53.1 - 18+04.4B	BLACKHAWK RD LT	---	2,050	40	---	---	60	2
	18+04.4B - 18+16.9B	BLACKHAWK RD LT	45	---	---	---	---	2	---
	18+04.4B - 20+43.5B	BLACKHAWK RD LT	1,200	---	---	---	---	40	---
	129+42.6 - 129+60.1	MEDIAN	---	270	40	---	---	7	1
	129+53.1 - 130+26.2	RT	330	---	---	---	---	10	---
	138+54.8 - 138+75.3	RT	100	---	---	---	---	4	---
	138+75.3 - 50+82.9G	RT	---	2,550	40	---	---	75	2
	50+82.9G - 51+07.G	RT	90	---	---	---	---	3	---
	50+82.9G - 51+39.6G	RT	290	---	---	---	---	10	---
	50+19.8G - 50+30.9G	GREENWAY BLVD MEDIAN	---	190	40	---	---	5	1
	SUBTOTAL CATEGORY 0010		6,070	8,055	380	0	0	439	17

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CON'T NEXT PAGE

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CONCRETE SIDEWALK (CON'T)

CATEGORY	STATION - STATION	LOCATION	*602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0420 CONCRETE SIDEWALK 7-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	602.0615 CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA SF	*305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	*305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH
0050	108+42.1 - 108+59.	LT	---	180	---	25	---	5	1
	108+96.9 - 109+16.4	LT	---	180	---	35	---	5	1
	127+45.6 - 127+55.1	LT	---	110	20	---	---	3	1
	14+75.2B - 14+89.3B	BLACKHAWK RD RT	---	110	20	---	---	3	1
	SUBTOTAL CATEGORY 0050		0	580	40	60	0	16	4
0060	11+56.4B - 13+86.B	LT	1,150	---	---	---	20	---	---
	13+74.1B - 13+88.7B	LT	45	---	---	---	1	---	---
	14+69.B - 14+77.B	LT	---	40	20	---	1	---	1
	129+68.8 - 129+82.1	LT	---	95	20	---	1	---	1
	130+57.2 - 130+74.4	LT	55	---	---	---	1	---	---
	139+10.3 - 139+19.9	LT	30	---	---	---	1	---	---
	139+61.5 - 139+69.	LT	---	45	20	---	1	---	1
	139+71.8 - 139+88.6	MEDIAN	---	290	40	---	4	---	1
	141+61.9 - 141+79.7	MEDIAN	---	300	40	---	4	---	1
	141+87.1 - 142+05.5	LT	---	190	20	---	3	---	1
	142+40.4 - 51+46.1G	GREENWAY BLVD LT	---	2,800	40	---	45	---	2
	51+69.2G - 52+30.4G	GREENWAY BLVD LT	330	---	---	---	6	---	---
	142+40.4 - 142+53.5	RT	50	---	---	---	1	---	---
	142+40.4 - 158+50.8	RT	8,850	---	---	---	160	---	---
	142+70.8 - 142+97.4	LT	100	---	---	---	2	---	---
	152+47. - 165+99.7	LT	6,800	---	---	---	120	---	---
	158+74.8 - 169+45.3	RT	5,800	---	---	---	100	---	---
	166+36.6 - 169+94.5	LT	1,900	---	---	---	35	---	---
	169+31.9 - 169+45.3	RT	50	---	---	---	1	---	---
	169+79.6 - 169+94.5	LT	85	---	---	---	2	---	---
	169+45.3 - 50+51.8Q	RT	---	2,300	40	---	35	---	2
	170+40.7 - 170+53.2	MEDIAN	---	280	40	---	4	---	1
	169+94.5 - 171+14.7	LT	---	1,350	20	---	20	---	1
	171+60.2 - 173+36.6	LT	---	1,600	20	---	25	---	1
	50+48.9Q - 50+62.0	RT	70	---	---	---	1	---	---
	50+48.9Q - 51+49.1Q	RT	560	---	---	---	10	---	---
	50+20.1Q - 50+31.3Q	MEDIAN	---	110	40	---	1	---	1
	172+30.6 - 172+47.9	MEDIAN	---	250	40	---	3	---	1
	173+01.5 - 50+76.6Q	RT	---	2,000	40	---	30	---	2
	50+76.6Q - 50+90.0	LT	50	---	---	---	1	---	---
	50+76.6Q - 51+09.0	LT	160	---	---	---	3	---	---
	173+01.5 - 174+76.2	RT	930	---	---	---	15	---	---
	173+36.6 - 173+55.8	LT	80	---	---	---	2	---	---
	173+36.6 - 177+21.9	LT	1,800	---	---	---	35	---	---
	175+20.2 - 175+33.6	RT	70	---	---	---	1	---	---
	175+63.7 - 178+00.	RT	1,450	---	---	---	25	---	---
	177+34. - 178+00.	LT	330	---	---	---	6	---	---
	SUBTOTAL CATEGORY 0060		30,745	11,650	440	0	726	0	17
	TOTAL		36,815	20,285	860	60	726	455	38

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

COLORED CONCRETE SIDEWALK

CATEGORY	STATION - STATION	LOCATION	*602.0410 CONCRETE SIDEWALK 5-INCH SF	*405.0200 COLORING CONCRETE CUSTOM CY	*305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON
0010	108+32. - 108+54.16	MEDIAN	95	1	2
	110+74.5 - 116+48.	MEDIAN	3,600	55	90
	119+97.1 - 121+11.9	MEDIAN	700	10	15
	126+95.6 - 127+88.6	MEDIAN	1,350	20	35
	14+54.1B - 15+06.6	BLACKHAWK SPLITTER ISLAND	640	10	15
	16+67.14B - 16+81.8	BLACKHAWK SPLITTER ISLAND	580	9	15
	129+24.4 - 130+75.3	MEDIAN	1,500	25	35
	SUBTOTALS CATEGORY 0010		8,465	130	207
0060	139+00. - 140+05.9	MEDIAN	1,600	25	40
	50+04.2G - 51+00.G	GREENWAY SPLITTER ISLAND	1,100	15	30
	141+44.5 - 142+60.3	MEDIAN	1,550	25	40
	147+36.1 - 148+72.3	MEDIAN	820	15	20
	151+14.8 - 157+43.7	MEDIAN	3,850	60	95
	158+98.3 - 160+13.8	MEDIAN	700	10	15
	164+53.5 - 165+70.8	MEDIAN	730	10	20
	170+47.7 - 170+68.6	MEDIAN	430	7	10
	50+05.Q - 50+39.3Q	QUARRY SPLITTER ISLAND	350	5	9
	172+16.1 - 173+42.8	MEDIAN	1,350	20	35
	175+12.5 - 175+28.6	MEDIAN	55	1	1
	175+62.2 - 176+65.5	MEDIAN	710	10	20
	SUBTOTALS CATEGORY 0060		13,245	203	335
	TOTALS		21,710	333	542

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE APPROACH SLAB

CATEGORY	STATION - STATION	LOCATION	SPV.0180.01 CONCRETE APPROACH SLAB, 6-INCH SY	*305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON
0060	155+25	B-13-892	22	5
	TOTALS		22	5

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

CRASH CUSHIONS TEMPORARY

CATEGORY	STAGE	STATION - STATION	LOCATION	614.0905 CRASH CUSHIONS TEMPORARY EACH	BACK WIDTH FT	OBJECT MARKING PATTERN	CRASH TEST LEVEL	TRAFFIC DIRECTION	TRAFFIC LOCATION	CRASH CUSHION SHIELDS
0060	STAGE 1	151+50.0 - 163+00.0	RT	2	2	1 OM-3R (W5-58R)/1 OM-3L (W5-58L)	TL-2	BIDIRECTIONAL	L	TEMPORARY BARRIER
0010	STAGE 2	110+50.0 - 118+50.0	RT	2	2	1 OM-3R (W5-58R)/1 OM-3L (W5-58L)	TL-2	BIDIRECTIONAL	L	TEMPORARY BARRIER
	STAGE 2	122+00.0 - 127+84.0	LT	2	2	1 OM-3R (W5-58R)/1 OM-3L (W5-58L)	TL-2	BIDIRECTIONAL	L	TEMPORARY BARRIER
		SUBTOTAL STAGE 2 CATEGORY 0010		4						
0060	STAGE 2	129+50.0 - 139+50.0	LT	2	2	1 OM-3R (W5-58R)/1 OM-3L (W5-58L)	TL-2	BIDIRECTIONAL	L	TEMPORARY BARRIER
	STAGE 2	143+00.0 - 155+50.0	LT	1	2	OM-3R (W5-58R)	TL-2	BIDIRECTIONAL	L	TEMPORARY BARRIER
	STAGE 2	166+50.0 - 171+00.0	LT/RT	2	2	1 OM-3R (W5-58R)/1 OM-3L (W5-58L)	TL-2	BIDIRECTIONAL	L	TEMPORARY BARRIER
	STAGE 2	176+00.0 - 178+00.0	LT	1	2	1 OM-3R (W5-58R)/1 OM-3L (W5-58L)	TL-2	BIDIRECTIONAL	L	TEMPORARY BARRIER
		SUBTOTAL STAGE 2 CATEGORY 0060		6						
		TOTALS STAGE 2		10						
0060	STAGE 3	131+58.0 - 131+58.0	LT	1	2	OM-3R (W5-58R)	TL-2	BIDIRECTIONAL	L	TEMPORARY BARRIER
		GRAND TOTAL (CATEGORY 0010)		4						
		GRAND TOTAL (CATEGORY 0060)		9						
		GRAND TOTALS		13						

REMOVING SMALL PIPE CULVERTS

CATEGORY	STATION - STATION	LOCATION	203.0100 EA	SIZE
0040	114+74 - 115+04	LT	1	15" X 30' CMCP
	116+52 - 116+62	LT/RT	1	54" X 52' CMCP
	119+29 - 119+59	RT	1	12" X 30' CPCP
	120+20 - 120+21	LT/RT	1	18" X 37' CMCP
	121+23 - 121+83	LT	1	18" X 60' CMCP
	TOTALS (CATEGORY 0040)		5	
0060	139+30 - 139+33	LT/RT	1	24" X 36' CMCP
	146+13 - 146+17	LT/RT	1	30" X 42' CMCP
	148+84 - 149+43	LT	1	18" X 60' CPCP
	161+79 - 162+03	LT	1	12" X 24' CMCP
	166+62 - 167+35	LT	1	18" X 77' CMCP
	171+20 - 172+27	RT	1	18" X 113' RCCP
	171+73 - 172+40	LT	1	18" X 50' CMCP
	173+94 - 174+36	RT	1	24" X 46' CMCP
	176+51 - 176+95	RT	1	24" X 44' CMCP
	176+80 - 176+81	LT/RT	1	18" X 47' CMCP
	177+16 - 177+45	LT	1	18" X 28' CMCP
	11+15 B - 11+70 B	LT	1	18" X 56' CMCP
	TOTALS (CATEGORY 0060)		12	
	GRAND TOTALS		17	

REMOVING INLETS

CATEGORY	STATION	OFFSET	* 204.0220 EACH
0040	108+41	69.2 'LT	1
	127+80	116.4 'LT	1
	128+26	95.1 'LT	1
	128+43	210.2 'LT	1
	128+82	78.3 'LT	1
	129+02	10.6 'RT	1
	TOTALS (CATEGORY 0040)		6
0060	171+36	114.7 'RT	1
	TOTALS (CATEGORY 0060)		1
	GRAND TOTALS		7

*ADDITIONAL QUANTITIES LISTED ELSEWARE

CONCRETE BARRIER TEMPORARY

CATEGORY	STAGE	STATION - STATION	LOCATION	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	603.8500 ANCHORING CONCRETE BARRIER TEMPORARY PRECAST LF
0060	STAGE 1	151+50.0 - 163+00.0	RT	1,150	1,150	1,150
0010	STAGE 2	110+50.0 - 118+50.0	RT	800	800	800
	STAGE 2	122+00.0 - 127+84.0	LT	590	590	---
	SUBTOTAL STAGE 2 CATEGORY 0010			1,390	1,390	800
0060	STAGE 2	129+50.0 - 139+50.0	LT	1,000	1,000	---
	STAGE 2	143+00.0 - 155+50.0	LT	1,250	1,250	500
	STAGE 2	166+50.0 - 171+00.0	LT/RT	450	450	---
	STAGE 2	176+00.0 - 178+00.0	LT	200	200	---
	SUBTOTAL STAGE 2 CATEGORY 0060			2,900	2,900	500
	TOTALS STAGE 2			4,290	4,290	1,300
0060	STAGE 3	131+58.0 - 131+58.0	LT	0	0	0
	GRAND TOTAL (CATEGORY 0010)			1,390	1,390	800
	GRAND TOTAL (CATEGORY 0060)			4,050	4,050	1,650
	GRAND TOTALS			5,440	5,440	2,450

REMOVING APRON ENDWALLS

CATEGORY	STATION	OFFSET	* 204.9060.S.01 EACH	REMARKS
0040	115+95	50.0 'RT	1	18-INCH TEMP. PIPE
	116+00	50.0 'RT	1	12-INCH TEMP. PIPE
	116+30	84.6 'RT	1	54-INCH TEMP. PIPE
	125+39	39.3 'LT	1	18-INCH RCCP
	126+34	23.8 'LT	1	24-INCH RCCP
	129+85	56.2 'LT	1	24-INCH RCCP
	CATEGORY 0040 TOTAL		6	
0060	139+30	54.6 'LT	1	24-INCH TEMP. PIPE
	146+10	56.8 'LT	1	36-INCH TEMP. PIPE
	148+83	48.0 'LT	1	24-INCH TEMP. PIPE
	149+46	48.0 'LT	1	24-INCH TEMP. PIPE
	176+40	19.3 'LT	1	24-INCH TEMP. PIPE
	177+00	22.2 'LT	1	24-INCH TEMP. PIPE
	CATEGORY 0060 TOTAL		6	
	GRAND TOTAL		12	

*ADDITIONAL QUANTITIES LISTED ELSEWARE

SEALING PIPES

CATEGORY	STATION	OFFSET	204.0280 EACH
0040	108+67	68 'LT	1
		TOTAL	1

REMOVING MANHOLES

CATEGORY	STATION	OFFSET	204.0210 EACH
0040	126+27	48.2 RT	1
	128+50	25.4 RT	1
	128+85	61.6 LT	1
	129+75	54.1 LT	1
	129+59	20.0 RT	1
		TOTAL	5

REMOVING STORM SEWER

CATEGORY	STATION - STATION	LOCATION	* 204.0245 .01 12-INCH OR LESS LF	.02 15-INCH LF	.03 18-INCH LF	.04 24-INCH LF	.05 30-INCH LF
0040	108+41 - 108+67	LT	---	25	---	---	---
	125+37 - 125+39	LT	---	---	45	---	---
	126+27 - 126+34	LT/RT	---	---	---	70	---
	126+27 - 128+50	RT	---	---	---	200	---
	127+80 - 128+26	LT	25	---	---	---	---
	128+26 - 128+85	LT	65	---	---	---	---
	128+43 - 128+82	LT	140	---	---	---	---
	128+50 - 129+02	RT	---	---	---	55	---
	128+82 - 128+85	LT	15	---	---	---	---
	128+82 - 129+41	LT	35	---	---	---	---
	128+85 - 129+75	LT	---	---	---	65	---
	129+02 - 129+59	RT	---	---	---	60	---
	129+59 - 129+75	LT/RT	---	---	---	75	---
	129+75 - 129+85	LT	---	---	---	10	---
	128+50 - 128+72	RT	---	---	---	---	100
	TOTALS (CATEGORY 0040)		280	25	45	535	100
0060	171+20 - 171+36	RT	35	---	---	---	---
	171+36 - 171+36	RT	---	6	---	---	---
	TOTALS (CATEGORY 0060)		35	6	0	0	0
	GRAND TOTALS		315	31	45	535	100

*ADDITIONAL QUANTITIES LISTED ELSEWARE

ASPHALTIC SURFACE TEMPORARY FOR STORM SEWER

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	* 465.0125 ASPHALTIC SURFACE TEMPORARY TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON
0040	STAGE 1	111+00 - 111+10	RT	2	4
		SUBTOTALS (STAGE 1 CATEGORY 0040)		2	4
0040	STAGE 2	116+25 - 116+60	RT	20	50
	STAGE 2	116+80 - 117+00	RT	10	24
	STAGE 2	126+25 - 126+35	RT/LT	5	13
	STAGE 2	127+80 - 129+00	RT/LT	46	115
	STAGE 2	129+30 - 129+60	LT	6	14
		SUBTOTALS (STAGE 2 CATEGORY 0040)		87	216
0060	STAGE 2	139+25 - 139+33	LT	6	15
	STAGE 2	140+45 - 140+53	LT	4	11
	STAGE 2	145+70 - 145+78	LT	5	13
	STAGE 2	146+41 - 146+49	LT	5	13
	STAGE 2	166+50 - 166+60	RT/LT	4	10
	STAGE 2	168+36 - 168+44	RT/LT	4	10
	STAGE 2	170+25 - 170+70	RT/LT	11	29
	STAGE 2	171+42 - 172+05	RT	12	29
	STAGE 2	172+15 - 172+28	RT/LT	7	17
	STAGE 2	174+50 - 174+60	RT	5	14
		SUBTOTALS (STAGE 2 CATEGORY 0060)		63	161
		TOTAL STAGE 2		150	377
		GRAND TOTAL (CATEGORY 0040)		89	220
		GRAND TOTAL (CATEGORY 0060)		63	161
		GRAND TOTALS		152	381

SAWING

CATEGORY		STATION - STATION	LOCATION	* 690.0150 ASPHALT LF	* 690.0250 CONCRETE LF
0040	STAGE 1	111+00 - 111+10	RT	28	---
		UNDISTRIBUTED		6	---
		TOTALS		34	
0040	STAGE 2	116+25 - 116+60	RT	60	---
	STAGE 2	116+80 - 117+00	RT	60	---
	STAGE 2	126+25 - 126+35	RT/LT	60	---
	STAGE 2	127+80 - 129+00	RT/LT	450	22
	STAGE 2	129+30 - 129+60	LT	75	5
		UNDISTRIBUTED		141	5
		TOTALS		846	32
0060	STAGE 2	139+25 - 139+33	LT	70	---
	STAGE 2	140+45 - 140+53	LT	56	---
	STAGE 2	145+70 - 145+78	LT	66	---
	STAGE 2	146+41 - 146+49	LT	66	---
	STAGE 2	166+50 - 166+60	RT/LT	66	---
	STAGE 2	168+36 - 168+44	RT/LT	86	---
	STAGE 2	170+25 - 170+70	RT/LT	140	---
	STAGE 2	171+42 - 172+05	RT	110	10
	STAGE 2	172+15 - 172+28	RT/LT	67	5
	STAGE 2	174+50 - 174+60	RT	55	---
		UNDISTRIBUTED		156	3
		TOTALS		938	18
		GRAND TOTALS (CATEGORY 0040)		880	32
		GRAND TOTALS (CATEGORY 0060)		938	18
		GRAND TOTALS		1,818	50

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

NOTE: A CONVERSION FACTOR OF 112 LBS/SY/IN WAS USED TO ESTIMATE QUANTITIES FOR HMA PAVEMENT.
*ADDITIONAL QUANTITIES LISTED ELSEWHERE

TEMPORARY STORM SEWER SUMMARY

CATEGORY	STAGE	PIPE NAME	APPROX. STATION	LOCATION	520.2012 CULVERT PIPE TEMPORARY 12-INCH LF	520.2018 CULVERT PIPE TEMPORARY 18-INCH LF	520.2024 CULVERT PIPE TEMPORARY 24-INCH LF	520.2036 CULVERT PIPE TEMPORARY 36-INCH LF	520.2054 CULVERT PIPE TEMPORARY 54-INCH LF	520.1012 APRON ENDWALLS FOR CULVERT PIPE 12-INCH EACH	520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH EACH	520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	520.1036 APRON ENDWALLS FOR CULVERT PIPE 36-INCH EACH	520.1054 APRON ENDWALLS FOR CULVERT PIPE 54-INCH EACH	524.0618 SALVAGED 18-INCH EACH	606.0100 RIPRAP LIGHT CY	645.0130 GEOTEXTILE TYPE R SY	611.3220 INLETS 2X2-FT EACH	* 204.0220 REMOVING INLETS EACH	611.0651 INLET COVERS TYPE S EACH	* 520.8000 CONCRETE COLLARS FOR PIPE EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0040	STAGE 1	PIPE C	115+50	RT	---	84	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1
		PIPE A	116+00	RT	46	---	---	---	---	1	---	---	---	---	---	20	75	1	1	1	---	2
		PIPE B	116+50	RT	---	---	---	---	70	---	---	---	---	---	1	10	30	---	---	---	1	1
		TOTALS (CATERGORY 0040)			46	84	0	0	70	1	1	0	0	1	---	30	105	1	1	1	2	4
0060		PIPE D	139+30	LT	---	---	25	---	---	---	---	1	---	---	---	---	---	---	---	---	1	1
		PIPE E	146+15	LT	---	---	---	25	---	---	---	---	1	---	---	---	---	---	---	---	1	1
		PIPE F	149+15	LT	---	---	63	---	---	---	---	2	---	---	---	---	---	---	---	---	---	2
		PIPE G	176+70	RT	---	---	60	---	---	---	---	2	---	---	---	---	---	---	---	---	---	2
		PIPE I	176+75	RT	---	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	---
		PIPE K	11+00 B	LT	---	36	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1	1
		TOTALS (CATEGORY 0060)			0	40	148	25	0	0	0	5	1	0	1	0	0	0	0	0	5	7
		GRAND TOTALS			46	124	148	25	70	1	1	5	1	1	1	30	105	1	1	1	7	11

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

STORM SEWER PIPE REINFORCED CONCRETE

CATEGORY	FROM STRUCTURE	TO STRUCTURE	* 608.0412 CLASS IV 12-INCH LF	* 608.0415 CLASS IV 15-INCH LF	* 608.0418 CLASS IV 18-INCH LF	608.0424 CLASS IV 24-INCH LF	608.0430 CLASS IV 30-INCH LF	* 608.0436 CLASS IV 36-INCH LF	608.0442 CLASS IV 42-INCH LF	* 608.0448 CLASS IV 48-INCH LF	608.0518 CLASS V 18-INCH LF	608.0524 CLASS V 24-INCH LF	608.0548 CLASS V 48-INCH LF	608.0560 CLASS V 60-INCH LF	608.2429 HORIZONTAL ELLIPTICAL CLASS IV 29X45-INCH LF	SPV.0090.17 TRENCHLESS STORM SEWER CONSTRUCTION, 48-INCH LF
0040	PV345	PV348	70	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV348	PV353	205	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV350	PV353	69	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV353	PV358	---	---	206	---	---	---	---	---	---	---	---	---	---	---
	PV355	PV356	31	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV356	PV357	8	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV357	PV358	30	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV358	PV3581	---	---	90	---	---	---	---	---	---	---	---	---	---	---
	PV3581	PV3582	---	---	14	---	---	---	---	---	---	---	---	---	---	---
	PV3582	PV3583	---	---	---	---	---	---	---	---	52	---	---	---	---	---
	PV359	PV3595	---	---	---	---	---	---	---	63	---	---	---	---	---	---
	PV359	PV3596	---	---	---	---	---	---	---	59	---	---	---	---	---	---
	PV3592	PV3594	---	---	---	---	---	---	---	---	---	---	99	---	---	---
	PV3594	PV3593	---	---	---	---	---	---	---	68	---	---	---	---	---	---
	PV3595	PV3597	---	---	---	---	---	---	---	---	---	---	---	176	---	---
	PV3596	PV3598	---	---	---	---	---	---	---	---	---	---	---	180	---	---
	PV360	PV362	---	---	---	---	---	---	26	---	---	---	---	---	---	---
	PV361	PV362	60	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV362	PV3592	---	---	---	---	---	---	---	132	---	---	---	---	---	---
	PV363	PV360	78	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV364	PV360	---	---	---	---	---	---	236	---	---	---	---	---	---	---
	PV365	PV370	---	---	---	---	10	---	---	---	---	---	---	---	---	---
	PV366	PV364	---	---	---	18	---	---	---	---	---	---	---	---	---	---
	PV367	PV366	---	---	---	8	---	---	---	---	---	---	---	---	---	---
	PV368	PV367	---	---	---	48	---	---	---	---	---	---	---	---	---	---
	PV370	PV364	---	---	---	---	---	19	---	---	---	---	---	---	---	---
	PV375	PV379	---	---	---	125	---	---	---	---	---	---	---	---	---	---
	PV376	PV379	31	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV377	PV376	12	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV378	PV375	80	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV379	PV364	---	---	---	---	103	---	---	---	---	---	---	---	---	---
	PV380	PV375	---	---	223	---	---	---	---	---	---	---	---	---	---	---
	PV3801	PV380	---	---	30	---	---	---	---	---	---	---	---	---	---	---
	PV3802	PV3801	---	---	6	---	---	---	---	---	---	---	---	---	---	---
	PV383	PV380	81	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV385	PV388	76	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV388	PV3921	---	---	197	---	---	---	---	---	---	---	---	---	---	---
	PV390	PV391	---	---	81	---	---	---	---	---	---	---	---	---	---	---
	PV3901	PV390	22	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV3902	PV390	---	---	11	---	---	---	---	---	---	---	---	---	---	---
	PV3903	PV3902	---	---	91	---	---	---	---	---	---	---	---	---	---	---
	PV3904	PV3903	35	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV3905	PV3903	---	---	189	---	---	---	---	---	---	---	---	---	---	---
	PV3906	PV3905	---	---	33	---	---	---	---	---	---	---	---	---	---	---
	PV3907	PV3906	---	---	134	---	---	---	---	---	---	---	---	---	---	---
	PV3908	PV3902	21	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV391	PV3921	---	---	---	38	---	---	---	---	---	---	---	---	---	---
	PV3911	PV391	45	---	---	---	---	---	---	---	---	---	---	---	---	---
	COLUMN SUBTOTALS		954	0	1,305	237	113	19	262	322	52	0	99	356	0	0

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CON'T NEXT PAGE

STORM SEWER PIPE REINFORCED CONCRETE

CATEGORY	FROM STRUCTURE	TO STRUCTURE	* 608.0412 CLASS IV 12-INCH LF	* 608.0415 CLASS IV 15-INCH LF	* 608.0418 CLASS IV 18-INCH LF	608.0424 CLASS IV 24-INCH LF	608.0430 CLASS IV 30-INCH LF	* 608.0436 CLASS IV 36-INCH LF	608.0442 CLASS IV 42-INCH LF	* 608.0448 CLASS IV 48-INCH LF	608.0518 CLASS V 18-INCH LF	608.0524 CLASS V 24-INCH LF	608.0548 CLASS V 48-INCH LF	608.0560 CLASS V 60-INCH LF	608.2429 HORIZONTAL ELLIPTICAL CLASS IV 29X45-INCH LF	SPV.0090.17 TRENCHLESS STORM SEWER CONSTRUCTION, 48-INCH LF
0040	PV3912	PV3911	60	---	---	---	---	---	---	---	---	---	---	---	---	---
(CON'T)	PV392	PV3922	---	---	---	---	32	---	---	---	---	---	---	---	---	---
	PV3921	PV392	---	---	---	10	---	---	---	---	---	---	---	---	---	---
	PV3922	PV3924	---	---	---	---	71	---	---	---	---	---	---	---	---	---
	PV3924	PV3928	---	---	---	---	6	---	---	---	---	---	---	---	---	---
	PV393	PV3932	---	---	12	---	---	---	---	---	---	---	---	---	---	---
	PV3931	PV393	---	---	28	---	---	---	---	---	---	---	---	---	---	---
	PV3932	PV392	---	---	---	---	---	---	---	---	---	86	---	---	---	---
	PV3933	PV3932	30	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV3934	PV3931	---	---	27	---	---	---	---	---	---	---	---	---	---	---
	PV3935	PV3934	---	---	7	---	---	---	---	---	---	---	---	---	---	---
	PV3936	PV3935	---	---	46	---	---	---	---	---	---	---	---	---	---	---
	PV3937	PV3936	---	---	6	---	---	---	---	---	---	---	---	---	---	---
	PV395	PV398	62	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV396	PV395	34	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV398	PV3932	---	---	88	---	---	---	---	---	---	---	---	---	---	---
	PV400	PV403	77	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV4001	PV400	74	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV403	PV398	206	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV405	PV408	73	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV4051	PV405	28	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV408	PV413	194	---	---	---	---	---	---	---	---	---	---	---	---	---
	COLUMN SUBTOTALS		838	0	214	10	109	0	0	0	0	86	0	0	0	0
	TOTALS (CATEGORY 0040)		1792	0	1519	247	222	19	262	322	52	86	99	356	0	0
0060	PV410	PV413	87	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV413	PV418	---	---	129	---	---	---	---	---	---	---	---	---	---	---
	PV415	PV4151	---	---	---	51	---	---	---	---	---	---	---	---	---	---
	PV4152	PV4154	---	---	15	---	---	---	---	---	---	---	---	---	---	---
	PV4153	PV4245	---	---	266	---	---	---	---	---	---	---	---	---	---	---
	PV4154	PV4153	---	---	28	---	---	---	---	---	---	---	---	---	---	---
	PV416	PV420	31	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV417	PV419	30	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV418	PV419	---	---	18	---	---	---	---	---	---	---	---	---	---	---
	PV419	PV423	---	---	57	---	---	---	---	---	---	---	---	---	---	---
	PV420	PV415	30	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV4221	PV423	---	---	76	---	---	---	---	---	---	---	---	---	---	---
	PV423	PV415	---	---	64	---	---	---	---	---	---	---	---	---	---	---
	PV424	PV4221	---	---	39	---	---	---	---	---	---	---	---	---	---	---
	PV4241	PV424	---	8	---	---	---	---	---	---	---	---	---	---	---	---
	PV4242	PV4244	31	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV4243	PV4245	11	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV4244	PV4241	51	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV4245	PV426	---	---	170	---	---	---	---	---	---	---	---	---	---	---
	PV4246	PV4242	44	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV4247	PV4249	25	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV4248	PV4247	17	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV4249	PV4241	109	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV425	PV428	76	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV426	PV4261	---	---	95	---	---	---	---	---	---	---	---	---	---	---
	PV4261	PV4262	---	---	117	---	---	---	---	---	---	---	---	---	---	---
	PV427	PV4245	48	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV428	PV433	170	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV430	PV433	80	---	---	---	---	---	---	---	---	---	---	---	---	---
	COLUMN SUBTOTALS		840	8	1,074	51	0	0	0	0	0	0	0	0	0	0

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

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STORM SEWER PIPE REINFORCED CONCRETE

CATEGORY	FROM STRUCTURE	TO STRUCTURE	* 608.0412 CLASS IV 12-INCH LF	* 608.0415 CLASS IV 15-INCH LF	* 608.0418 CLASS IV 18-INCH LF	608.0424 CLASS IV 24-INCH LF	608.0430 CLASS IV 30-INCH LF	* 608.0436 CLASS IV 36-INCH LF	608.0442 CLASS IV 42-INCH LF	* 608.0448 CLASS IV 48-INCH LF	608.0518 CLASS V 18-INCH LF	608.0524 CLASS V 24-INCH LF	608.0548 CLASS V 48-INCH LF	608.0560 CLASS V 60-INCH LF	608.2429 HORIZONTAL ELLIPTICAL CLASS IV 29X45-INCH LF	SPV.0090.17 TRENCHLESS STORM SEWER CONSTRUCTION, 48-INCH LF
0060 (CON'T)	PV433	PV4372	---	---	150	---	---	---	---	---	---	---	---	---	---	---
	PV435	PV4351	15	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV4351	PV439	---	---	---	---	---	---	---	---	---	---	---	---	35	---
	PV4361	PV4351	---	---	---	---	---	---	---	---	---	---	---	---	30	---
	PV437	PV4371	55	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV4371	PV4361	---	---	---	---	---	---	---	---	---	---	---	---	19	---
	PV4372	PV4381	---	---	---	25	---	---	---	---	---	---	---	---	---	---
	PV438	PV4381	---	---	---	10	---	---	---	---	---	---	---	---	---	---
	PV4381	PV4371	---	---	---	---	---	---	---	---	---	---	---	---	30	---
	PV4392	PV4393	---	---	---	---	---	14	---	---	---	---	---	---	---	---
	PV4393	PV4394	---	---	---	---	---	65	---	---	---	---	---	---	---	---
	PV4394	PV4391	---	---	---	---	---	108	---	---	---	---	---	---	---	---
	PV440	PV443	80	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV443	PV438	---	---	185	---	---	---	---	---	---	---	---	---	---	---
	PV445	PV448	75	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV446	PV447	11	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV447	PV449	38	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV448	PV449	---	---	105	---	---	---	---	---	---	---	---	---	---	---
	PV449	PV443	---	---	105	---	---	---	---	---	---	---	---	---	---	---
	PV450	PV453	69	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV451	PV4512	30	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV4511	PV4512	25	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV4512	PV445	170	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV453	PV448	---	---	193	---	---	---	---	---	---	---	---	---	---	---
	PV455	PV458	69	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV458	PV453	127	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV459	PV458	19	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV460	PV463	69	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV463	PV468	174	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV464	PV463	36	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV465	PV466	38	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV4651	PV465	89	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV466	PV467	10	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV467	PV468	31	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV468	PV473	---	---	221	---	---	---	---	---	---	---	---	---	---	---
	PV470	PV471	36	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV471	PV473	45	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV473	PV478	---	---	199	---	---	---	---	---	---	---	---	---	---	---
	PV475	PV478	80	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV478	PV483	---	---	200	---	---	---	---	---	---	---	---	---	---	---
	PV480	PV483	80	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV481	PV482	8	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV482	PV484	42	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV483	PV484	---	---	---	111	---	---	---	---	---	---	---	---	---	---
	PV484	PV488	---	---	---	91	---	---	---	---	---	---	---	---	---	---
	PV485	PV488	---	---	---	80	---	---	---	---	---	---	---	---	---	---
	PV4851	PV485	---	---	---	69	---	---	---	---	---	---	---	---	---	---
	PV4852	PV4851	---	---	---	26	---	---	---	---	---	---	---	---	---	---
	PV488	PV493	---	---	---	---	178	---	---	---	---	---	---	---	---	---
	COLUMN SUBTOTALS		1,521	0	1,358	412	178	187	0	0	0	0	0	0	114	0

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

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STORM SEWER PIPE REINFORCED CONCRETE

CATEGORY	FROM STRUCTURE	TO STRUCTURE	* 608.0412 CLASS IV 12-INCH LF	* 608.0415 CLASS IV 15-INCH LF	* 608.0418 CLASS IV 18-INCH LF	608.0424 CLASS IV 24-INCH LF	608.0430 CLASS IV 30-INCH LF	* 608.0436 CLASS IV 36-INCH LF	608.0442 CLASS IV 42-INCH LF	* 608.0448 CLASS IV 48-INCH LF	608.0518 CLASS V 18-INCH LF	608.0524 CLASS V 24-INCH LF	608.0548 CLASS V 48-INCH LF	608.0560 CLASS V 60-INCH LF	608.2429 HORIZONTAL ELLIPTICAL CLASS IV 29X45-INCH LF	SPV.0090.17 TRENCHLESS STORM SEWER CONSTRUCTION, 48-INCH LF
0060 (CON'T)	PV490	PV493	---	80	---	---	---	---	---	---	---	---	---	---	---	---
	PV491	PV490	128	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV493	PV498	---	---	---	---	179	---	---	---	---	---	---	---	---	---
	PV495	PV4981	---	46	---	---	---	---	---	---	---	---	---	---	---	---
	PV4951	PV495	92	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV4961	PV4963	---	11	---	---	---	---	---	---	---	---	---	---	---	---
	PV4962	PV4961	---	29	---	---	---	---	---	---	---	---	---	---	---	---
	PV4963	PV4981	---	28	---	---	---	---	---	---	---	---	---	---	---	---
	PV4967	PV4962	28	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV4968	PV4967	8	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV497	PV5013	41	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV4971	PV497	35	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV498	PV5013	---	---	---	---	141	---	---	---	---	---	---	---	---	---
	PV4981	PV498	---	---	27	---	---	---	---	---	---	---	---	---	---	---
	PV499	PV4971	29	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV499	PV4991	---	35	---	---	---	---	---	---	---	---	---	---	---	---
	PV4991	PV4992	---	6	---	---	---	---	---	---	---	---	---	---	---	---
	PV500	PV501	---	42	---	---	---	---	---	---	---	---	---	---	---	---
	PV5001	PV500	61	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV501	PV503	---	---	---	48	---	---	---	---	---	---	---	---	---	---
	PV5012	PV5013	35	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV5013	PV503	---	---	---	---	64	---	---	---	---	---	---	---	---	---
	PV503	PV509	---	---	---	---	---	232	---	---	---	---	---	---	---	---
	PV505	PV506	---	---	---	---	---	---	---	31	---	---	---	---	---	---
	PV5051	PV505	---	---	---	26	---	---	---	---	---	---	---	---	---	---
	PV506	PV507	---	---	---	---	---	---	---	19	---	---	---	---	---	---
	PV5061	PV506	63	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV5062	PV5061	5	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV507	PV508	---	---	---	---	---	---	---	31	---	---	---	---	---	---
	PV508	PV509	---	---	---	---	---	---	---	14	---	---	---	---	---	---
	PV509	PV5097	---	---	---	---	---	---	---	335	---	---	---	---	---	---
	PV5091	PV5092	---	---	---	---	---	---	---	26	---	---	---	---	---	---
	PV5093	PV5095	---	---	---	---	---	---	---	30	---	---	---	---	---	---
	PV5095	PV5094	---	---	---	---	---	---	---	77	---	---	---	---	---	---
	PV5096	PV5091	---	---	---	---	---	---	---	---	---	---	---	---	---	50
	PV5097	PV5096	---	---	---	---	---	---	---	262	---	---	---	---	---	---
	PV515	PV505	---	---	---	---	---	---	243	---	---	---	---	---	---	---
	PV5151	PV515	---	---	40	---	---	---	---	---	---	---	---	---	---	---
	PV516	PV520	---	---	---	36	---	---	---	---	---	---	---	---	---	---
	PV5161	PV515	35	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV5162	PV5161	12	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV517	PV516	---	---	---	24	---	---	---	---	---	---	---	---	---	---
	PV518	PV517	---	---	---	31	---	---	---	---	---	---	---	---	---	---
	PV519	PV518	10	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV520	PV521	---	---	---	---	15	---	---	---	---	---	---	---	---	---
	PV521	PV515	---	---	---	---	---	---	95	---	---	---	---	---	---	---
	PV523	PV518	10	---	---	---	---	---	---	---	---	---	---	---	---	---
	PV525	PV521	---	---	---	---	74	---	---	---	---	---	---	---	---	---
COLUMN SUBTOTALS			592	277	67	165	473	232	338	825	0	0	0	0	0	50
TOTALS (CATEGORY 0060)			2,953	285	2,499	628	651	419	338	825	0	0	0	0	114	50
GRAND TOTALS			4,745	285	4,018	875	873	438	600	1,147	52	86	99	356	114	50

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

MANHOLES AND INLETS SUMMARY

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET	* 611.2004 MANHOLES 4-FT DIAMETER EACH	* 611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	* 611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	SPV.0060.27 MANHOLES 9-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.3003 INLETS 3-FT DIAMETER EACH	SPV.0060.29 TERRACE INLET TYPE II EACH	611.0545 MANHOLE COVERS TYPE L EACH	* 611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	* 611.0530 MANHOLE COVERS TYPE J EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0603 INLET COVERS TYPE A-S EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0645 INLET COVERS TYPE MS-A EACH	611.0642 INLET COVERS TYPE MS EACH	611.0652 INLET COVERS TYPE T EACH	SPV.0060.28 INLET COVERS TYPE DW EACH	* 611.8120.S COVER PLATES TEMPORARY EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0040	PV345	111+03.0 NB	40.2' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV348	111+05.0 NB	29.5' RT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV350	113+10.0 NB	39.5' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV353	113+10.0 NB	29.5' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV355	115+15.0 NB	39.7' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV356	115+15.0 NB	9.2' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV357	115+15.0 NB	1.0' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV358	115+15.0 NB	29.5' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV35811	116+00.0 NB	29.5' RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
	PV35812	116+07.8 NB	29.5' RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---
	PV3582	116+07.0 NB	46.2' RT	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1
	PV3592	117+00.9 NB	43.8' LT	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV3594	116+80.0 NB	53.0' RT	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1
	PV3595	116+60.2 NB	70.9' LT	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1
	PV3596	116+72.2 NB	71.9' LT	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1
	PV360	118+55.0 NB	48.5' LT	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	PV361	118+32.0 NB	108.3' LT	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV362	118+30.0 NB	48.2' LT	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	PV363	118+55.0 NB	29.5' RT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	1
	PV364	120+88.0 NB	37.5' LT	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1
	PV365	120+78.3 NB	56.1' LT	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1
	PV366	120+89.0 NB	20.0' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1
	PV367	120+89.0 NB	12.0' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1
	PV368	120+98.0 NB	35.1' RT	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1
	PV370	120+88.0 NB	56.1' LT	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1
	PV375	123+15.0 NB	50.5' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV376	121+85.0 NB	20.0' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV377	121+85.0 NB	7.6' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV378	123+22.0 NB	29.5' RT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV379	121+90.0 NB	50.5' LT	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV380	125+38.9 NB	50.8' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV3801	125+37.6 NB	80.6' LT	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	PV383	125+50.0 NB	29.5' RT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV385	126+37.0 NB	45.1' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV388	126+25.0 NB	29.5' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV390	128+44.8 NB	100.8' LT	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV3901	128+64.8 NB	109.1' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV3902	128+36.4 NB	108.5' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV3903	14+06.9 B	16.5' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV3904	14+06.4 B	18.5' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV3905	12+18.1 B	16.5' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV3906	12+19.3 B	16.5' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV3908	128+15.0 NB	107.9' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV391	128+46.0 NB	22.6' LT	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	1
	PV3911	127+86.0 NB	10.8' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	1
	PV3912	127+68.0 NB	66.4' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV392	128+48.0 NB	20.0' RT	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	1	1
	PV3921	128+38.4 NB	17.3' RT	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	1	1
	PV3922	128+55.5 NB	51.4' RT	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV3924	17+34.0 B	11.6' RT	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1
	PV393	129+28.0 NB	13.1' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV3931	129+46.0 NB	35.2' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	1
	PV3932	129+31.0 NB	1.0' LT	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV3933	129+17.0 NB	25.5' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV3934	129+59.9 NB	58.3' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	PV3935	129+54.9 NB	63.6' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	COLUMN SUBTOTALS			2	6	2	3	2	1	20	13	1	0	1	3	0	2	5	1	37	0	4	1	0	2	1	5	54

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CON'T NEXT PAGE

MANHOLES AND INLETS SUMMARY (CON'T)

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET	* 611.2004 MANHOLES 4-FT DIAMETER EACH	* 611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	* 611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	SPV.0060.27 MANHOLES 9-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.3003 INLETS 3-FT DIAMETER EACH	SPV.0060.29 TERRACE INLET TYPE II EACH	611.0545 MANHOLE COVERS TYPE L EACH	* 611.0535 MANHOLE COVERS J-SPECIAL EACH	* 611.0530 MANHOLE COVERS TYPE J EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0603 INLET COVERS TYPE A-S EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0645 INLET COVERS TYPE MS-A EACH	611.0642 INLET COVERS TYPE MS EACH	611.0652 INLET COVERS TYPE T EACH	SPV.0060.28 INLET COVERS TYPE DW EACH	* 611.8120.S COVER PLATES TEMPORARY EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0040	PV3936	128+91.5 NB	104.9' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
(CON'T)	PV395	130+25.0 NB	33.5' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV396	130+10.4 NB	63.7' LT	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1
	PV398	130+15.0 NB	28.0' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV400	132+25.0 NB	47.8' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV4001	132+73.0 NB	70.5' LT	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1
	PV403	132+25.1 NB	29.5' RT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV405	135+30.0 NB	43.5' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV4051	135+35.0 NB	71.3' LT	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1
	COLUMN SUBTOTALS			0	0	0	0	0	0	3	3	3	0	0	0	0	0	0	0	6	0	0	0	3	0	0	0	9
	TOTAL (CATEGORY 0040)			2	6	2	3	2	1	23	16	4	0	1	3	0	2	5	1	43	0	4	1	3	2	1	5	63
0060	PV408	135+30.0 NB	29.5' RT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV410	137+25.0 NB	57.7' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV413	137+25.0 NB	29.5' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV415	139+29.0 NB	38.1' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1	1
	PV4153	140+40.0 NB	120.0' LT	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1
	PV4154	139+82.0 NB	116.9' LT	---	---	---	1	---	---	---	---	---	---	---	---	---	---	2	---	---	---	---	---	---	---	---	---	1
	PV416	139+05.0 NB	10.6' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	PV417	138+60.1 NB	1.0' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	PV418	138+50.0 NB	29.5' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	PV419	138+68.0 NB	28.2' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	PV420	139+06.0 NB	41.1' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	PV4221	140+02.1 NB	12.3' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	PV423	139+30.0 NB	25.5' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	PV424	140+39.6 NB	7.2' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	1
	PV4241	140+45.1 NB	12.8' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	1
	PV4242	140+73.0 NB	54.3' RT	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1	---	---	---	---	---	1
	PV4243	50+96.5 G	11.7' RT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV4244	140+43.1 NB	63.5' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV4245	50+96.6 G	1.1' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV4246	141+17.0 NB	54.2' RT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV4247	141+54.1 NB	25.7' LT	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	PV4248	141+66.0 NB	37.9' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV4249	141+54.1 NB	1.0' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV425	143+05.4 NB	45.7' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV426	52+68.0 G	5.5' LT	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1
	PV4261	53+63.8 G	3.5' LT	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1
	PV427	51+00.3 G	46.9' LT	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1
	PV428	142+95.0 NB	29.5' RT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV430	144+70.0 NB	50.5' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV433	144+70.1 NB	29.5' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV435	146+30.0 NB	50.5' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1
	PV4351	146+45.0 NB	50.5' LT	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1
	PV4361	146+45.1 NB	20.0' LT	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1	1
	PV437	147+00.1 NB	6.0' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1
	PV4371	146+45.0 NB	1.0' LT	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1
	PV4372	146+20.0 NB	29.5' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV438	146+55.0 NB	29.5' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1
	PV4381	146+45.1 NB	29.5' RT	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1
	PV4393	145+75.0 NB	73.1' LT	---	---	---	1	---	---	---	---	---	---	---	---	---	---	2	---	---	---	---	---	---	---	---	---	1
	PV4394	145+75.0 NB	8.0' LT	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1
	PV440	148+40.0 NB	50.5' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV443	148+40.0 NB	29.5' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV445	150+50.0 NB	45.9' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV446	149+45.1 NB	19.6' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	COLUMN SUBTOTALS			3	1	0	6	0	0	17	14	1	0	2	0	0	2	6	0	19	2	14	0	1	2	0	2	44

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

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MANHOLES AND INLETS SUMMARY (CON'T)

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET	* 611.2004 MANHOLES 4-FT DIAMETER EACH	* 611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	* 611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	SPV.0060.27 MANHOLES 9-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.3003 INLETS 3-FT DIAMETER EACH	SPV.0060.29 TERRACE INLET TYPE II EACH	611.0545 MANHOLE COVERS TYPE L EACH	* 611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	* 611.0530 MANHOLE COVERS TYPE J EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0603 INLET COVERS TYPE A-ST EACH	611.0639 INLET COVERS TYPE H-ST EACH	611.0645 INLET COVERS TYPE MS-A EACH	611.0642 INLET COVERS TYPE MS EACH	611.0652 INLET COVERS TYPE T EACH	SPV.0060.28 INLET COVERS TYPE DW EACH	* 611.8120.S COVER PLATES TEMPORARY EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0060	PV447	149+45.0 NB	8.5' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
(CON'T)	PV448	150+50.0 NB	29.5' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV449	149+45.0 NB	29.5' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV450	152+45.0 NB	39.5' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV451	152+45.0 NB	67.0' LT	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1
	PV4511	152+03.0 NB	90.0' LT	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV4512	152+15.0 NB	68.0' LT	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1
	PV453	152+45.0 NB	29.5' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV455	153+72.0 NB	39.5' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV458	153+72.0 NB	29.5' RT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV459	153+70.0 NB	48.0' RT	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1
	PV460	156+50.0 NB	39.5' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV463	156+50.0 NB	29.5' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV464	156+21.3 NB	49.5' RT	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1
	PV465	158+23.0 NB	48.3' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV4651	157+36.0 NB	66.0' LT	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	1
	PV466	158+18.0 NB	11.1' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV467	158+18.0 NB	1.0' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV468	158+23.0 NB	29.5' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV470	160+49.0 NB	50.5' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV471	160+50.1 NB	14.8' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV473	160+45.0 NB	29.5' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV475	162+45.1 NB	50.5' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV478	162+45.0 NB	29.5' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV480	164+45.0 NB	50.5' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV481	165+60.0 NB	20.0' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV482	165+60.0 NB	12.0' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV483	164+45.1 NB	29.5' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV484	165+60.0 NB	29.5' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV485	166+55.0 NB	50.5' LT	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV4851	165+90.0 NB	50.5' LT	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV4852	165+90.0 NB	76.2' LT	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	2	---	---	---	1
	PV488	166+55.0 NB	29.5' RT	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV490	168+40.0 NB	50.5' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV491	167+20.0 NB	50.5' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV493	168+40.0 NB	29.5' RT	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	1
	PV495	170+20.0 NB	43.0' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV4951	169+42.0 NB	45.9' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV4961	170+65.5 NB	11.9' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1	1
	PV4962	170+53.0 NB	37.3' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV4963	170+65.1 NB	1.0' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	1
	PV4967	170+48.0 NB	64.7' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1
	PV4968	170+52.0 NB	69.6' LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1
	PV497	171+57.0 NB	56.7' RT	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	PV4971	171+33.4 NB	82.9' RT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
	PV498	170+31.0 NB	25.5' RT	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	1
	PV4981	170+37.0 NB	1.0' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	1
	PV499	50+35.9 Q	62.5' RT	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1
	PV4991	50+52.8 Q	38.5' RT	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1
	COLUMN SUBTOTALS			2	3	2	0	0	0	21	13	5	1	2	0	1	0	1	1	36	2	2	6	1	0	0	5	49

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

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MANHOLES AND INLETS SUMMARY (CON'T)

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET	* 611.2004 MANHOLES 4-FT DIAMETER EACH	* 611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	* 611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	SPV.0060.27 MANHOLES 9-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.3003 INLETS 3-FT DIAMETER EACH	SPV.0060.29 TERRACE INLET TYPE II EACH	* 611.0545 MANHOLE COVERS TYPE L EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	* 611.0530 MANHOLE COVERS TYPE J EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0603 INLET COVERS TYPE A-S EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0645 INLET COVERS TYPE MS-A EACH	611.0642 INLET COVERS TYPE MS EACH	611.0652 INLET COVERS TYPE T EACH	SPV.0060.28 INLET COVERS TYPE DW EACH	* 611.8120.S COVER PLATES TEMPORARY EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0060 (CON'T)	PV500	172+51.9 NB	53.1'LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	PV5001	171+66.0 NB	91.6'LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	1
	PV501	172+23.0 NB	21.9'LT	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1	1
	PV5012	171+87.7 NB	13.4'LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	1
	PV5013	171+70.6 NB	17.6'RT	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	1	1
	PV503	172+25.0 NB	25.5'RT	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	PV505	174+55.9 NB	51.2'LT	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	PV5051	174+49.0 NB	76.6'LT	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	2	---	---	---	1
	PV506	174+55.9 NB	20.5'LT	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	PV5061	175+20.9 NB	20.9'LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	PV5062	175+20.9 NB	15.8'LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	PV507	174+55.9 NB	1.0'LT	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	PV508	174+55.9 NB	29.5'RT	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	1	1
	PV509	174+55.9 NB	43.7'RT	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1
	PV5091	175+45.0 NB	678.2'RT	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1
	PV5095	175+87.6 NB	907.9'RT	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	2	---	---	---	---	---	---	---	---	1
	PV5096	175+41.0 NB	628.8'RT	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1
	PV5097	175+14.0 NB	370.6'RT	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1
	PV515	177+12.9 NB	52.2'LT	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	PV516	178+02.0 NB	22.5'LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	PV5161	177+05.9 NB	17.8'LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1
	PV5162	177+12.0 NB	7.3'LT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	PV517	177+91.0 NB	1.0'LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	PV518	177+86.0 NB	29.5'RT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	PV519	177+76.0 NB	29.5'RT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	PV520	178+05.0 NB	58.6'LT	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1
	PV521	178+05.0 NB	73.8'LT	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1
	PV523	177+96.0 NB	29.5'RT	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
COLUMN SUBTOTALS				1	0	2	8	2	1	8	4	0	1	0	1	1	0	6	0	9	1	7	2	0	2	1	3	28
TOTALS (CATEGORY 0060)				6	4	4	14	2	1	46	31	6	2	4	1	2	2	13	1	64	5	23	8	2	4	1	10	121
GRAND TOTALS				8	10	6	17	4	2	69	47	10	2	5	4	2	4	18	2	107	5	27	9	5	6	2	15	184

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

POND RESTORATION SUMMARY

CATEGORY	LOCATION	* 625.0100 TOPSOIL SY	* 628.2027 EROSION MAT CLASS II TYPE C SY	* 628.2039 EROSION MAT CLASS III TYPE D SY	* 630.0500 SEED WATER MGAL	* SPV.0120.01 WATER FOR DETENTION POND MGAL	* 640.1303.S POND CLAY LINER CY	* SPV.0085.01 DETENTION BASIN SEED MIX LB	* SPV.0085.02 TALL GRASS PRAIRIE SEED MIX LB	* SPV.0060.72 CONSTRUCTION STAKING STORMWATER MANAGEMENT PONDS EACH	SPV.0060.65 POND DEWATERING POND D EACH	SPV.0060.66 POND DEWATERING POND F EACH
0060	POND D	1795	1795	---	40	54	387	0.38	2.72	1	1	---
0060	POND E	2412	2412	---	54	171	1148	0.76	3.36	1	---	---
0060	POND F	1921	1921	24	43	401	1570	0.67	2.64	1	---	1
	TOTALS	6128	6128	24	137	626	3105	2	9	3	1	1

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CULVERT PIPE CLASS III-A

CATEGORY	FROM STRUCTURE	TO STRUCTURE	520.3315 15-INCH LF	THICKNESS STEEL INCHES
0060	PV441	PV442	45	0.064
		TOTAL	45	

PIPE UNDERDRAIN SUMMARY

CATEGORY	STATION - STATION	LOCATION	612.0406 PIPE UNDERDRAIN WRAPPED 6-INCH LF	645.0140 GEOTEXTILE TYPE SAS SY	310.0110 BASE AGGREGATE OPEN-GRADED TON
0040	120+20 - 121+70	RT	150	85	8
	120+10 - 121+60	LT	150	85	8
	128+80 - 130+35	LT	150	85	8
	UNDISTRIBUTED		90	50	5
	TOTALS (CATEGORY 0040)		540	305	29
0060	137+85 - 139+35	RT	150	85	8
	138+30 - 139+80	LT	150	85	8
	145+45 - 146+95	RT	150	85	8
	145+55 - 147+05	LT	150	85	8
	169+75 - 171+15	LT	120	65	7
	177+10 - 178+60	RT	150	85	8
	177+30 - 178+80	LT	150	85	8
	11+45 B1 - 12+95 B1	LT/RT	150	85	8
	11+35 G1 - 12+85 G1	LT/RT	150	85	8
	11+15 Q1 - 12+65 Q1	LT/RT	150	85	8
	UNDISTRIBUTED		290	160	15
	TOTALS (CATEGORY 0060)		1,760	990	94
	GRAND TOTALS		2,300	1,295	123

STORM SEWER ITEMS

CATEGORY	STRUCT. NO.	STATION	OFFSET	SPV.0060.06 STORM SEWER TAP EACH	611.8115 ADJUSTING INLET COVERS EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	* 520.8000 CONCRETE COLLARS FOR PIPE EACH	611.0420 RECONSTRUCTING MANHOLES EACH	611.0430 RECONSTRUCTING INLETS EACH
0040	PV340	108+66.3 PV	67.6'LT	---	---	1	---	---	---
	PV341	108+46.7 PV	19.7'LT	---	1	---	---	---	---
	PV342	108+47.0 PV	12.9'LT	---	1	---	---	---	---
	PV343	108+46.4 PV	34.3'RT	---	1	---	---	---	---
	PV3802	125+37.3 PV	86.6'LT	---	---	---	1	---	---
	PV3925	19+53.0 B	30.6'RT	---	---	---	---	1	---
	PV3926	19+53.1 B	21.7'RT	---	---	---	---	---	1
	PV3927	19+52.8 B	22.1'LT	---	---	---	---	---	1
	PV3928	17+39.7 B	12.3'RT	---	---	---	1	---	---
	TOTALS (CATEGORY 0040)			0	3	1	2	1	2
0060	PV3937	129+40.6 PV	109.9'LT	---	---	---	1	---	---
	PV4262	54+81.5 G	1.0'RT	1	---	---	---	---	---
	PV4992	50+57.1 Q	37.5'RT	---	---	---	1	---	---
	TOTALS (CATEGORY 0060)			1	0	0	2	0	0
	GRAND TOTALS			1	3	1	4	1	2

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

APRON ENDWALLS AND RIP RAP SUMMARY

CATEGORY	STRUCT. NO.	STATION	OFFSET	* 522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024 24-INCH EACH	* 522.1036 36-INCH EACH	* 522.1048 48-INCH EACH	522.1060 60-INCH EACH	* 520.1015 15-INCH EACH	* SPV.0060.13 CONCRETE CUTOFF WALL EACH	611.9800.S PIPE GRATES EACH	633.5200 MARKERS CULVERT END EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	524.0115 CULVERT PIPE SALVAGED 15-INCH LF	606.0200 RIPRAP MEDIUM CY	606.0300 RIPRAP HEAVY CY	* 606.0700 GROUTED RIPRAP HEAVY CY	* 645.0120 GEOTEXTILE FABRIC TYPE HR SY	608.0005 STORM SEWER ROCK EXCAVATION CY
0040	PV3583	116+01.0 NB	103.4'RT	1	---	---	---	---	---	1	1	1	1	---	---	---	10	30	---
	PV3593	116+32.5 NB	111.8'RT	---	---	---	1	---	---	1	1	1	1	---	---	---	25	75	---
	PV3597	116+10.1 NB	106.1'RT	---	---	---	---	1	---	1	1	1	1	---	---	---	100	225	---
	PV3598	116+20.0 NB	109.1'RT	---	---	---	---	1	---	1	1	1	1	---	---	---	100	225	---
	PV3907	11+15.0 B	29.5'LT	1	---	---	---	---	---	1	1	1	1	---	10	---	---	30	---
	TOTALS (CATEGORY 0040)			2	0	0	1	2	0	5	5	5	5	0	10	0	235	585	0
0060	PV4151	139+35.0 NB	94.0'LT	---	1	---	---	---		1	1	1	1	---	15	---	---	45	---
	PV4152	139+71.5 NB	121.6'LT	1	---	---	---	---	---	1	1	1	1	---	15	---	---	45	---
	PV439	146+37.0 NB	93.2'LT	---	---	1	---	---	---	1	1	1	1	---	---	20	---	60	---
	PV4391	145+73.2 NB	107.7'RT	---	---	1	---	---	---	1	1	1	1	---	---	20	---	60	---
	PV4392	145+75.0 NB	95.6'LT	---	---	1	---	---	---	1	1	1	1	---	---	20	---	60	---
	PV441	149+32.9 NB	81.5'LT	---	---	---	---	---	1	---	---	1	1	---	5	---	---	15	---
	PV442	148+99.0 NB	82.4'LT	---	---	---	---	---	1	---	---	1	1	---	5	---	---	15	---
	PV5092	175+58.0 NB	701.2'RT	---	---	---	1	---	---	1	1	1	1	---	---	75	---	225	---
	PV5093	175+86.0 NB	869.8'RT	---	---	---	1	---	---	1	1	1	1	---	---	25	---	75	---
	PV5094	175+91.0 NB	992.3'RT	---	---	---	1	---	---	1	1	1	1	---	---	25	---	75	---
	PV5151	177+00.0 NB	96.0'LT	1	---	---	---	---	---	1	1	1	1	---	---	25	---	75	---
	---	174+60.0 NB	---'RT	---	---	---	---	---	---	---	---	---	---	40	---	---	---	---	---
	UNDISTRIBUTED			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	340
	TOTALS (CATEGORY 0060)			2	1	3	3	0	2	9	9	11	11	40	40	210	0	750	340
	GRAND TOTALS			4	1	3	4	2	2	14	14	16	16	40	50	210	235	1335	340

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

SILT FENCE SUMMARY

CATEGORY	STAGE	STATION - STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
0010	1	109+89 - 111+96	RT	210	410
	1	113+84 - 118+13	RT	460	920
	1	121+50 - 126+24	RT	480	960
	SUBTOTAL STAGE 1 CATEGORY 0010			1,150	2,290
0060	1	139+08 - 139+80	LT	390	770
	1	139+87 - 144+00	LT	360	710
	1	144+04 - 147+41	LT	820	1,650
	1	144+04 - 147+41	LT	820	1,650
	1	150+50 - 153+68	RT	440	880
	1	153+88 - 156+63	RT	440	880
	1	166+00 - 171+00	RT	480	950
	1	STORMWATER POND E	RT	700	1,400
	SUBTOTAL STAGE 1 CATEGORY 0060			4,450	8,890
	TOTAL STAGE 1			5,600	11,180
0010	2	109+07 - 110+26	LT	130	250
	2	114+13 - 114+44	LT	35	70
	2	114+60 - 118+95	LT	440	880
	2	129+17 - 138+50	RT	940	1,850
	2	138+50 - 51+39G	RT	300	600
	SUBTOTAL STAGE 2 CATEGORY 0010			1,845	3,650
0060	2	10+71B - 11+25B	LT	55	110
	2	11+55B - 12+21B	LT	65	130
	2	50+00G - 51+34G	LT	100	210
	2	51+64G - 52+30G	LT	70	140
	2	50+00G - 142+28	RT	95	190
	2	144+00 - 153+00	RT	960	1,950
	2	155+90 - 156+63	RT	85	170
	2	162+00 - 166+00	RT	390	780
	2	162+75 - 165+50	LT	310	620
	SUBTOTAL STAGE 2 CATEGORY 0060			2,130	4,300
	TOTAL STAGE 2			3,975	7,950
					CON'T ON RIGHT

SILT FENCE SUMMARY

CATEGORY	STAGE	STATION - STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
0010	3	109+90 - 110+90	RT	100	200
	3	113+84 - 126+41	RT	1,300	2,600
	3	126+41 - 20+55B	RT	520	1,050
	3	16+99B - 20+43B	LT	330	670
	SUBTOTAL STAGE 3 CATEGORY 0010			2,250	4,520
0060	3	155+00 - 155+90	RT	100	210
	3	166+00 - 168+73	RT	260	520
	3	172+05 - 173+84	RT	200	400
	SUBTOTAL STAGE 3 CATEGORY 0060			560	1,130
	TOTAL STAGE 3			2,810	5,650
0060	4	129+68 - 131+60	LT	220	440
	4	135+50 - 139+00	LT	340	680
	4	140+50 - 143+75	LT	300	590
	4	153+00 - 155+00	RT	440	880
	SUBTOTAL STAGE 4 CATEGORY 0060			1,300	2,590
	TOTAL STAGE 4			1,300	2,590
	UNDISTRIBUTED			2,750	5,450
	GRAND TOTAL (CATEGORY 0010)			6,620	13,185
	GRAND TOTAL (CATEGORY 0060)			9,815	19,635
	GRAND TOTALS			16,435	32,820

CONCRETE MEDIAN SLOPED NOSE

CATEGORY	STATION - STATION	LOCATION	620.0300 SF	REMARKS
0010	108+54.16 - 108+59.59	MEDIAN	44	TYPE 1
	108+98.89 - 109+06.43	MEDIAN	51	TYPE 1
	121+11.85 - 121+18.47	MEDIAN	35	TYPE 1
	121+74.13 - 121+81.85	MEDIAN	51	TYPE 1
	127+87.41 - 127+95.23	MEDIAN	25	TYPE 2
	127+93.28SB - 128+02.92SB	MEDIAN	36	TYPE 2
	14+52.15B - 14+58.63B	BLACKHAWK RD SPLITTER ISLAND	42	TYPE 1
	15+05.1B - 15+11.34B	BLACKHAWK RD SPLITTER ISLAND	20	TYPE 2
	14+96.71B - 15+02.17B	BLACKHAWK RD SPLITTER ISLAND	31	TYPE 2
	16+62.34B - 16+68.57B	BLACKHAWK RD SPLITTER ISLAND	20	TYPE 2
	16+71.32B - 16+76.78B	BLACKHAWK RD SPLITTER ISLAND	29	TYPE 2
	17+13.64B - 17+20.07B	BLACKHAWK RD SPLITTER ISLAND	42	TYPE 1
	SUBTOTAL CATEGORY 0010		426	
0060	129+16.23 - 129+25.87	MEDIAN	36	TYPE 2
	129+23.56SB - 129+31.17SB	MEDIAN	24	TYPE 2
	140+04.79 - 140+13.04	MEDIAN	27	TYPE 2
	140+10.29SB - 140+19.93SB	MEDIAN	36	TYPE 2
	50+00.G - 50+05.72G	GREENWAY BLVD SPLITTER ISLAND	18	TYPE 2
	50+06.93G - 50+12.22G	GREENWAY BLVD SPLITTER ISLAND	31	TYPE 2
	51+00.25G - 51+06.26G	GREENWAY BLVD SPLITTER ISLAND	57	TYPE 1
	51+84.3G - 51+90.27G	MEDIAN	44	TYPE 1
	141+36.33 - 141+45.97	MEDIAN	36	TYPE 2
	141+35.59SB - 141+43.39SB	MEDIAN	25	TYPE 2
	148+66.22SB - 148+72.22SB	MEDIAN	35	TYPE 1
	149+30.32SB - 149+36.21SB	MEDIAN	52	TYPE 1
	158+23.93 - 158+29.92	MEDIAN	50	TYPE 1
	158+92.29 - 158+98.29	MEDIAN	35	TYPE 1
	165+68.11SB - 165+74.71SB	MEDIAN	42	TYPE 1
	166+45.32SB - 166+48.29SB	MEDIAN	44	TYPE 1
	170+67.41 - 170+79.34	MEDIAN	51	TYPE 2
	170+80.22SB - 170+92.9SB	MEDIAN	60	TYPE 2
	50+00.Q - 50+06.45Q	QUARRY RD SPLITTER ISLAND	20	TYPE 2
	50+09.21Q - 50+14.85Q	QUARRY RD SPLITTER ISLAND	31	TYPE 2
	50+34.43Q - 50+41.25Q	QUARRY RD SPLITTER ISLAND	43	TYPE 1
	172+05.09 - 172+17.77	MEDIAN	60	TYPE 2
	172+07.8SB - 172+18.8SB	MEDIAN	48	TYPE 2
	175+56.77 - 175+63.56	MEDIAN	43	TYPE 1
	177+16.09 - 177+23.89	MEDIAN	9	TYPE 1
	177+31.46 - 177+39.2	MEDIAN	45	TYPE 1
	SUBTOTAL CATEGORY 0060		1,002	
	TOTAL		1,428	

DUST CONTROL SURFACE TREATMENT

CATEGORY	PROJECT	623.0200 SY
0010	5992-11-01	23,200
0060	5992-11-01	36,500
	TOTAL	59,700

MOBILIZATION

CATEGORY	PROJECT	619.1000 EACH
0010	5992-11-01	0.24
0060	5992-11-01	0.58

MISCELLANEOUS STORM SEWER ITEMS

CATEGORY	STATION	OFFSET	SPV.0060.16 INLET PV3581 EACH	SPV.0060.15 INLET PV536 EACH	SPV.0060.30 WEIR WALL PV4154 EACH	SPV.0060.31 WEIR WALL PV4393 EACH	SPV.0060.32 WEIR WALL PV499 EACH	SPV.0060.33 WEIR WALL PV5095 EACH
0040	116+03.4 PV	33.0'RT	1	---	---	---	---	---
	TOTALS (CATEGORY 0040)		1	0	0	0	0	0
0060	177+28.8 PV	44.8'RT	---	1	---	---	---	---
	139+82.0 PV	116.9'LT	---	---	1	---	---	---
	145+75.0 PV	73.1'LT	---	---	---	1	---	---
	50+35.9 Q	62.5'RT	---	---	---	---	1	---
	175+87.6 PV	907.9'RT	---	---	---	---	---	1
	TOTALS (CATEGORY 0060)		0	1	1	1	1	1
	GRAND TOTALS		1	1	1	1	1	1

FENCE CHAIN LINK SALVAGED 6-FT

CATEGORY	LOCATION	616.0406 LF
0060	POND F	16

FINISHING ITEMS

CATEGORY	STAGE	STATION - STATION	LOCATION	* 625.0100 TOPSOIL SY	627.0200 MULCHING SY	628.2002 EROSION MAT CLASS I TYPE A SY	629.0210 FERTILIZER TYPE B CWT	* 630.0110 SEEDING MIXTURE NO. 10 LB	630.0140 SEEDING MIXTURE NO. 40 LB	SPV.0085.03 NO MOW LAWN SEED LB	* 630.0500 SEED WATER MGAL	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY
0010	STAGE 1	108+47.7 - 119+08.9	NB TEMP WIDENING	---	1,250	740	1.3	26.8	---	---	44.7	---	---
	STAGE 1	121+54. - 126+22.	NB TEMP WIDENING	---	---	130	0.1	1.8	---	---	3.0	---	---
		SUBTOTAL STAGE 1 CATEGORY 0010		0	1,250	870	1.4	28.6	0	0	47.7	0	0
0060	STAGE 1	129+99. - 155+80.	SB TEMP WIDENING	---	620	5,500	0.1	82.3	---	---	136.9	---	---
	STAGE 1	151+50. - 163+00.	NB GRADING	---	---	12,500	0.1	168.4	---	---	280.1	---	---
	STAGE 1	166+00. - 170+87.	NB TEMP WIDENING	---	530	---	0.1	7.1	---	---	11.8	---	---
	STAGE 1	166+00. - 170+87.	NB TEMP WIDENING	---	530	---	0.1	7.1	---	---	11.8	---	---
	STAGE 1	172+15. - 178+00.	NB TEMP WIDENING	---	---	140	0.1	1.9	---	---	3.2	---	---
	STAGE 1	174+50. - 174+50.	STORM SEWER TRENCH	1,300	1,700	---	0.1	---	30.0	---	37.9	---	---
		SUBTOTAL STAGE 1 CATEGORY 0060		1,300	3,380	18,140	0.6	266.8	30	0	481.7	0	0
		TOTALS STAGE 1		1,300	4,630	19,010	2.0	295.4	30	0	529.4	0	0
0010	STAGE 2	108+32.0 - 127+50.	SB TERRACE	2,650	---	---	1.7	---	---	---	---	59.6	2,650
	STAGE 2	108+32.0 - 127+95.	SB OUTSIDE SIDEWALK	3,700	1,800	1,900	2.3	---	30.0	35.0	82.6	---	---
	STAGE 2	10+71.2B - 15+42.B	BLACKHAWK LT OUTSIDE SIDEWALK	750	750	---	0.5	---	15.0	---	16.9	---	---
	STAGE 2	130+72.0 - 138+50.0	SB OUTSIDE	2,050	740	1,300	1.3	---	35.0	---	45.6	---	---
	STAGE 2	138+50.0 - 51+39.2G	SB OUTSIDE SIDEWALK	250	250	---	0.2	---	4.5	---	5.6	---	---
	STAGE 2	138+61.0 - 52+25.7G	SB TERRACE	380	---	---	0.1	---	---	---	---	8.6	380
		SUBTOTAL STAGE 2 CATEGORY 0010		9,780	3,540	3,200	6.1	0	84.5	35.0	150.7	68.2	3,030
0060	STAGE 2	51+90.3G - 53+38.6G	GREENWAY MEDIAN	230	---	---	0.1	---	---	---	---	5.3	230
	STAGE 2	132+00.0 - 134+50.0	GOLF COURSE STOCKPILE	---	3,100	---	---	---	---	---	---	---	---
	STAGE 2	142+50.0 - 53+38.6G	GREENWAY LT TERRACE	470	---	---	0.3	---	---	---	---	10.6	470
	STAGE 2	142+50.0 - 52+30.5G	GREENWAY LT OUTSIDE SIDEWALK	450	450	---	0.3	---	8.0	---	10.0	---	---
	STAGE 2	142+50.0 - 155+00.0	NB TERRACE	1,150	---	---	0.7	---	---	---	---	26.4	1,150
	STAGE 2	142+50.0 - 155+00.0	NB OUTSIDE SIDEWALK	2,850	1,700	1,150	1.8	---	30.0	20	63.5	---	---
	STAGE 2	156+00.0 - 166+00.0	NB OUTSIDE SIDEWALK	2,950	1,050	1,900	1.9	---	55.0	---	66.7	---	---
	STAGE 2	156+00.0 - 166+00.0	NB TERRACE	910	---	---	0.6	---	---	---	---	20.5	910
	STAGE 2	156+00.0 - 166+00.0	MEDIAN	830	---	---	0.5	---	---	---	---	18.7	830
	STAGE 2	156+00.0 - 166+00.0	SB TERRACE	1,500	---	---	1.0	---	---	---	---	34.0	1,500
	STAGE 2	156+00.0 - 166+00.0	SB OUTSIDE SIDEWALK	4,450	1,450	3,000	2.8	---	---	80	99.6	---	---
	STAGE 2	166+00.0 - 178+00.0	SB OUTSIDE SIDEWALK	6,750	2,500	4,200	4.2	---	45.0	75	151.4	---	---
	STAGE 2	166+00.0 - 178+00.0	SB TERRACE	1,550	---	---	1.0	---	---	---	---	35.2	1,550
		SUBTOTAL STAGE 2 CATEGORY 0060		24,090	10,250	10,250	15.2	0	138.0	175.0	391.2	150.7	6,640
		TOTALS STAGE 2		33,870	13,790	13,450	21.3	0	222.5	210.0	541.9	218.9	9,670
0060	STAGE 2A	10+71.2B - 15+39.3B	BLACKHAWK LT TERRACE	260	---	---	0.2	---	---	---	---	5.9	260
0010	STAGE 2B	9+71.1B - 15+20.B	BLACKHAWK RT TERRACE	920	---	---	0.6	---	---	---	---	20.7	920
0010	STAGE 3	108+32.0 - 126+41.5	NB OUTSIDE	5,150	3,100	2,000	3.2	---	55.0	35	115.2	---	---
	STAGE 3	116+48.0 - 119+97.0	MEDIAN	500	---	---	0.3	---	---	---	---	11.2	500
	STAGE 3	121+79.0 - 126+95.0	MEDIAN	890	---	---	0.6	---	---	---	---	19.9	890
	STAGE 3	126+41.5 - 20+52.B	BLACKHAWK RT OUTSIDE SIDEWALK	700	700	---	0.1	---	15.0	---	15.6	---	---
	STAGE 3	126+41.5 - 21+16.36B	BLACKHAWK RT TERRACE	530	---	---	0.3	---	---	---	---	12.0	530
	STAGE 3	130+72.0 - 21+16.36B	BLACKHAWK LT TERRACE	470	---	---	0.3	---	---	---	---	10.5	470
	STAGE 3	130+72.0 - 20+43.5B	BLACKHAWK LT OUTSIDE SIDEWALK	1,150	1,150	---	0.7	---	20.0	---	25.3	---	---
		SUBTOTAL STAGE 3 CATEGORY 0010		9,390	4,950	2,000	5.5	0	90.0	35.0	156.1	53.6	2,390

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CON'T NEXT PAGE

FINISHING ITEMS

CATEGORY	STAGE	STATION - STATION	LOCATION	* 625.0100 TOPSOIL SY	627.0200 MULCHING SY	628.2002 EROSION MAT CLASS I TYPE A SY	629.0210 FERTILIZER TYPE B CWT	* 630.0110 SEEDING MIXTURE NO. 10 LB	630.0140 SEEDING MIXTURE NO. 40 LB	SPV.0085.03 NO MOW LAWN SEED LB	* 630.0500 SEED WATER MGAL	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY
0060	STAGE 3	155+00.0 - 156+00.0	NB OUTSIDE SIDEWALK	400	400	---	0.3	---	7.2	---	9.0	---	---
	STAGE 3	155+00.0 - 156+00.0	NB TERRACE	95	---	---	0.1	---	---	---	---	2.1	95
	STAGE 3	155+00.0 - 156+00.0	SB TERRACE	140	---	---	0.1	---	---	---	---	3.1	140
	STAGE 3	155+00.0 - 156+00.0	SB OUTSIDE SIDEWALK	480	480	---	0.3	---	8.6	---	10.7	---	---
	STAGE 3	166+00.0 - 51+46.0	NB OUTSIDE SIDEWALK	790	720	75	0.5	---	15.0	---	17.8	---	---
	STAGE 3	166+00.0 - 51+46.0	NB TERRACE	590	---	---	0.4	---	---	---	---	13.3	590
	STAGE 3	166+50.0 - 170+44.0	MEDIAN	670	---	---	0.4	---	---	---	---	15.1	670
	STAGE 3	51+09.0 - 178+00.0	NB TERRACE	380	---	---	0.2	---	---	---	---	8.5	380
	STAGE 3	51+09.0 - 178+00.0	NB OUTSIDE SIDEWALK	1,050	1,050	---	0.7	---	20.0	---	23.3	---	---
	STAGE 3	173+43.0 - 175+12.0	MEDIAN	270	---	---	0.2	---	---	---	---	6.1	270
	STAGE 3	176+66.0 - 177+22.0	MEDIAN	65	---	---	0.0	---	---	---	---	1.4	65
	STAGE 3	177+36.0 - 178+00.0	MEDIAN	120	---	---	0.1	---	---	---	---	2.8	120
		SUBTOTAL STAGE 3 CATEGORY 0060		5,050	2,650	75	3.3	0	50.8	0.0	60.8	52.4	2,330
		TOTALS STAGE 3		14,440	7,600	2,075	8.8	0	140.8	35.0	216.9	106.0	4,720
0010	STAGE 4	109+06.4 - 110+74.5	MEDIAN	230	---	---	0.1	---	---	---	---	5.1	230
0060	STAGE 4	15+42.8 - 155+00.0	SB OUTSIDE SIDEWALK	13,000	13,000	---	8.6	---	55.0	---	69.7	---	---
	STAGE 4	15+39.3B - 155+00.0	SB TERRACE	2,900	---	---	1.8	---	---	---	---	65.2	2,900
	STAGE 4	130+75.0 - 139+00.0	MEDIAN	1,250	---	---	0.8	---	---	---	---	28.3	1,250
	STAGE 4	142+60.0 - 147+36.0	MEDIAN	820	---	---	0.5	---	---	---	---	18.3	820
	STAGE 4	149+42.0 - 151+15.0	MEDIAN	240	---	---	0.2	---	---	---	---	5.4	240
	STAGE 4	171+10.8 - 171+68.8	QUARRY RAB CENTRAL ISLAND	310	---	---	0.2	---	---	---	---	6.9	310
		SUBTOTAL STAGE 4 CATEGORY 0060		18,520	13,000	0	12.1	0	55.0	0.0	69.7	124.1	5,520
		TOTALS STAGE 4		18,750	13,000	0	12.2	0	55.0	0.0	69.7	129.2	5,750
0010	STAGE 5	128+24.2 - 128+87.2	BLACKHAWK RAB CENTRAL ISLAND	340	---	---	0.2	---	---	---	---	7.5	340
0060	STAGE 5	140+43.2 - 141+06.2	GREENWAY RAB CENTRAL ISLAND	340	---	---	0.2	---	---	---	---	7.5	340
		TOTALS STAGE 5		680	---	---	0.4	---	---	---	---	15.0	680
		WASTE SITE	---	560	560	---	0.4	7.5	---	---	12.5	---	---
		UNDISTRIBUTED	---	14,000	8,100	7,000	9.1	60.6	90	50	400.1	225.3	4,550
		GRAND TOTAL (CATEGORY 0010)		27,940	14,070	9,570	18.7	62.7	219.5	95.0	560.8	267.8	9,185
		GRAND TOTAL (CATEGORY 0060)		56,840	33,610	31,965	36.4	300.9	318.8	200.0	1,209.7	453.3	17,365
		GRAND TOTALS		84,780	47,680	41,535	55.1	363.5	538.3	295.0	1,770.5	721.0	26,550

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

MOBILIZATIONS EROSION CONTROL

CATEGORY	PROJECT	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	5992-11-01	5	3
0060	5992-11-01	10	7

EROSION CONTROL SUMMARY

CATEGORY	STAGE	STATION	LOCATION	* 628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	* 628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH
0010	1	108+40.0	LT	---	---	---	1	---	---
	1	108+46.0	RT	---	---	---	---	1	---
	1	108+47.0	LT	---	---	---	---	2	---
	1	112+50.0	RT	8	---	---	---	---	---
	1	114+00.0	RT	8	---	---	---	---	---
	1	115+99.0	RT	---	---	1	---	1	---
	1	119+25.0	RT	---	1	---	---	---	---
	1	126+27.0	RT	---	---	---	1	---	---
	SUBTOTAL STAGE 1 CATEGORY 0010			16	1	1	2	4	0
0060	1	129+87.0	LT	---	2	---	---	---	---
	1	130+30.0	LT	8	---	---	---	---	---
	1	131+00.0	LT	8	---	---	---	---	---
	1	132+00.0	LT	8	---	---	---	---	---
	1	132+50.0	LT	8	---	---	---	---	---
	1	133+00.0	LT	8	---	---	---	---	---
	1	133+05.0	LT	8	---	---	---	---	---
	1	133+50.0	LT	8	---	---	---	---	---
	1	134+00.0	LT	8	---	---	---	---	---
	1	134+50.0	LT	8	---	---	---	---	---
	1	135+00.0	LT	15	---	---	---	---	---
	1	136+00.0	LT	8	---	---	---	---	---
	1	137+00.0	LT	8	---	---	---	---	---
	1	138+00.0	LT	8	---	---	---	---	---
	1	139+00.0	LT	8	---	---	---	---	---
	1	139+30.0	LT	---	3	---	---	---	---
	1	139+67.0	LT	---	2	---	---	---	---
	1	139+70.0	LT	8	---	---	---	---	---
	1	141+00.0	LT	8	---	---	---	---	---
	1	143+00.0	LT	8	---	---	---	---	---
	1	144+00.0	LT	8	---	---	---	---	---
	1	145+00.0	LT	8	---	---	---	---	---
	1	145+75.0	LT	8	---	---	---	---	---
	1	146+10.0	LT	---	7	---	---	---	---
	1	146+50.0	LT	8	---	---	---	---	---
	1	147+00.0	LT	8	---	---	---	---	---
	1	148+00.0	LT	8	---	---	---	---	---
	1	149+47.0	LT	---	3	---	---	---	---
	1	150+00.0	LT	8	---	---	---	---	---
	1	150+50.0	LT	8	---	---	---	---	---
	1	151+00.0	LT	8	---	---	---	---	---
	1	151+50.0	LT	8	---	---	---	---	---
	1	171+18.0	RT	---	2	---	---	---	---
	1	173+00.0	RT	8	---	---	---	---	---
	1	173+92.0	RT	---	2	---	---	---	---
	1	175+50.0	RT	8	---	---	---	---	---
	1	175+61.0	RT	---	2	---	---	---	---
	1	175+86.0	RT	---	2	---	---	---	---
	1	176+40.0	RT	---	3	---	---	---	---
	1	177+28.8	RT	---	---	---	1	---	---
	SUBTOTAL STAGE 1 CATEGORY 0060			239	28	0	1	0	0
	TOTAL STAGE 1			255	29	1	3	4	0

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CON'T ON RIGHT

EROSION CONTROL SUMMARY

CATEGORY	STAGE	STATION	LOCATION	* 628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	* 628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH
0010	2	111+03.0	LT	---	---	1	---	1	---
	2	113+10.0	LT	---	---	1	---	1	---
	2	115+15.0	LT	---	---	2	---	2	---
	2	117+00.9	LT	---	---	1	---	1	---
	2	118+32.0	LT	---	---	1	---	1	---
	2	118+55.0	LT	---	---	1	---	1	---
	2	120+78.3	LT	---	---	1	---	---	---
	2	120+88.0	LT	---	---	1	---	---	---
	2	120+89.0	LT	---	---	2	---	---	2
	2	121+85.0	LT	---	---	1	---	1	---
	2	121+90.0	LT	---	---	1	---	1	---
	2	123+15.0	LT	---	---	1	---	1	---
	2	125+37.6	LT	---	---	---	1	---	---
	2	125+38.9	LT	---	---	1	---	1	---
	2	126+34.0	LT	---	3	---	---	---	---
	2	126+37.0	LT	---	---	1	---	1	---
	2	127+68.0	LT	---	---	1	---	1	---
	2	11+15.B	LT	---	2	---	---	---	---
	2	12+18.1B	RT	---	---	1	---	1	---
	2	12+19.3B	LT	---	---	1	---	1	---
	2	14+02.B	LT	---	---	---	1	---	---
	2	14+06.4B	RT	---	---	1	---	1	---
	2	14+06.9B	LT	---	---	1	---	1	---
	2	14+94.B	RT	---	---	---	1	---	---
	2	15+11.B	RT	---	---	---	---	1	---
	2	15+44.B	LT	---	---	---	---	1	---
	2	16+35.B	LT	---	---	---	---	1	---
	2	128+91.5	LT	---	---	1	---	---	---
	2	129+17.0	RT	---	---	1	---	1	---
	2	129+54.9	LT	---	---	1	---	---	---
	2	129+59.9	LT	---	---	1	---	---	---
	2	129+28.0	LT	---	---	1	---	---	---
	2	129+31.0	LT	---	---	1	---	1	---
	2	130+15.0	RT	---	---	1	---	1	---
	2	132+25.1	RT	---	---	1	---	1	---
	2	135+30.0	RT	---	---	1	---	1	---
	2	137+25.0	RT	---	---	1	---	1	---
	2	138+50.0	RT	---	---	1	---	---	1
	2	138+60.1	LT	---	---	1	---	---	1
	2	138+68.0	RT	---	---	1	---	---	1
	2	139+30.0	RT	---	---	1	---	---	1
	2	140+02.1	LT	---	---	1	---	---	1
	2	140+43.1	RT	---	---	1	---	1	---
	2	50+96.5G	RT	---	---	1	---	1	---
	SUBTOTAL STAGE 2 CATEGORY 0010			0	5	38	3	28	7

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CON'T NEXT PAGE

EROSION CONTROL SUMMARY

CATEGORY	STAGE	STATION	LOCATION	* 628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	* 628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH
0060	2	50+96.6G	RT	---	---	1	---	1	---
	2	51+00.3G	LT	---	---	---	1	---	---
	2	141+17.0	RT	---	---	1	---	1	---
	2	141+54.1	LT	---	---	1	---	1	---
	2	141+54.1	LT	---	---	1	---	1	---
	2	141+66.0	LT	---	---	1	---	1	---
	2	142+95.0	RT	---	---	1	---	1	---
	2	144+70.1	RT	---	---	1	---	1	---
	2	145+75.0	LT	---	7	---	---	---	---
	2	146+20.0	RT	---	---	1	---	1	---
	2	146+30.0	LT	---	---	1	---	---	---
	2	146+45.0	LT	---	---	1	---	---	---
	2	146+45.0	LT	---	---	1	---	---	1
	2	146+45.1	RT	---	---	1	---	---	1
	2	146+55.0	RT	---	---	1	---	---	1
	2	147+00.1	LT	---	---	1	---	---	---
	2	148+40.0	RT	---	---	1	---	1	---
	2	149+45.0	RT	---	---	1	---	1	---
	2	149+45.0	LT	---	---	1	---	---	---
	2	150+50.0	RT	---	---	1	---	1	---
	2	152+45.0	RT	---	---	1	---	1	---
	2	153+70.0	RT	---	---	---	1	---	---
	2	153+72.0	RT	---	---	1	---	1	---
	2	154+15 - 155+00	RT	65	---	---	---	---	---
	2	156+21.3	RT	---	---	---	1	---	---
	2	156+50.0	RT	---	---	1	---	1	---
	2	156+50.0	LT	---	---	1	---	1	---
	2	156+50 - 157+30	LT	70	---	---	---	---	---
	2	157+36.0	LT	---	---	---	1	---	---
	2	158+18.0	LT	---	---	2	---	2	---
	2	158+23.0	LT	---	---	1	---	1	---
	2	158+23.0	RT	---	---	1	---	1	---
	2	160+45.0	RT	---	---	1	---	1	---
	2	160+49.0	LT	---	---	1	---	1	---
	2	160+50.1	LT	---	---	1	---	1	---
	2	162+45.0	RT	---	---	1	---	1	---
	2	162+45.1	LT	---	---	1	---	1	---
	2	164+45.0	LT	---	---	1	---	1	---
	2	164+45.1	RT	---	---	1	---	1	---
	2	165+60.0	LT/RT	---	---	3	---	3	---
	2	165+90.0	LT	---	---	1	1	1	---
	2	166+55.0	LT/RT	---	---	2	---	1	---
	2	167+20.0	LT	---	---	1	---	1	---
	2	168+40.0	LT	---	---	1	---	1	---
	2	169+42.0	LT	---	---	1	---	1	---
	2	170+20.0	LT	---	---	1	---	1	---
	2	170+53.0	LT	---	---	1	---	1	---
	2	170+48.0	LT	---	---	1	---	---	1
	2	170+52.0	LT	---	---	1	---	---	1
	2	171+66.0	LT	---	---	1	---	1	---
	2	172+51.9	LT	---	---	1	---	1	---
	2	172+25.0	RT	---	---	1	---	---	---
	2	173+50.0	LT	8	---	---	---	---	---

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CON'T ON RIGHT

EROSION CONTROL SUMMARY

CATEGORY	STAGE	STATION	LOCATION	* 628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	* 628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH
0060	2	174+00.0	LT	8	---	---	---	---	---
(CON'T)	2	174+49.0	LT	---	---	---	1	---	---
	2	174+55.9	LT	---	---	2	---	2	---
	2	175+00.0	LT	8	---	---	---	---	---
	2	175+20.9	LT	---	---	2	---	2	---
	2	176+00.0	LT	8	---	---	---	---	---
	2	176+50.0	LT	8	---	---	---	---	---
	2	177+00.0	LT	---	2	---	---	---	---
	2	177+05.9	LT	---	---	1	---	1	---
	2	177+06.0	LT	8	---	---	---	---	---
	2	177+12.9	LT	---	---	1	---	---	1
	SUBTOTAL STAGE 2 CATEGORY 0060			183	9	55	6	43	6
	TOTAL STAGE 2			183	14	93	9	71	13
0010	3	111+05.0	RT	---	---	1	---	1	---
	3	113+10.0	RT	---	---	1	---	1	---
	3	115+15.0	LT/RT	---	---	2	---	2	---
	3	116+00.0	RT	---	---	1	---	1	---
	3	116+07.8	RT	---	---	1	---	1	---
	3	118+55.0	RT	---	---	1	---	1	---
	3	120+98.0	RT	---	---	1	---	---	---
	3	121+85.0	RT	---	---	1	---	1	---
	3	123+22.0	RT	---	---	1	---	1	---
	3	125+50.0	RT	---	---	1	---	1	---
	3	126+25.0	RT	---	---	1	---	1	---
	3	126+27.0	RT	---	---	---	1	---	---
	3	127+86.0	LT	---	---	1	---	---	1
	3	19+53.B	LT/RT	---	---	---	---	2	---
	SUBTOTAL STAGE 3 CATEGORY 0010			0	0	13	1	13	1
0060	3	129+28.0	LT	---	---	1	---	---	1
	3	129+46.0	LT	---	---	1	---	1	---
	3	166+55.0	RT	---	---	---	---	1	---
	3	168+40.0	RT	---	---	1	---	1	---
	3	170+31.0	RT	---	---	1	---	1	---
	3	170+37.0	LT	---	---	1	---	1	---
	3	170+65.1	LT	---	---	1	---	1	---
	3	170+65.5	LT	---	---	1	---	---	1
	3	50+35.9Q	RT	---	---	---	1	---	---
	3	171+33.4	RT	---	---	1	---	1	---
	3	51+33.Q	RT	---	---	---	1	---	---
	3	51+35.Q	RT	---	---	---	---	1	---
	3	172+25.0	RT	---	---	---	---	1	---
	3	174+55.9	LT/RT	---	---	2	---	2	---
	3	177+76.0	RT	---	---	1	---	---	1
	3	177+86.0	RT	---	---	1	---	---	1
	3	177+91.0	LT	---	---	1	---	---	1
	3	177+96.0	RT	---	---	1	---	---	1
	SUBTOTAL STAGE 3 CATEGORY 0060			0	0	14	2	11	6
	TOTAL STAGE 3			0	0	27	3	24	7

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CON'T NEXT PAGE

EROSION CONTROL SUMMARY

CATEGORY	STAGE	STATION	LOCATION	628.7504* TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7005* INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH
0060	4	130+25.0	LT	---	---	1	---	1	---
(CON'T)	4	132+00 - 135+50	LT	65	---	---	---	---	---
	4	132+25.0	LT	---	---	1	---	1	---
	4	132+73.0	LT	---	---	---	1	---	---
	4	135+30.0	LT	---	---	1	---	1	---
	4	135+35.0	LT	---	---	---	1	---	---
	4	137+25.0	LT	---	---	1	---	1	---
	4	139+05.0	LT	---	---	1	---	---	1
	4	139+06.0	LT	---	---	1	---	---	1
	4	139+29.0	LT	---	---	1	---	---	1
	4	143+05.4	LT	---	---	1	---	1	---
	4	144+70.0	LT	---	---	1	---	1	---
	4	146+30.0	LT	---	---	---	---	---	1
	4	146+45.0	LT	---	---	---	---	---	1
	4	146+45.1	LT	---	---	1	---	---	1
	4	147+00.0	LT	8	---	---	---	---	---
	4	148+00.0	LT	8	---	---	---	---	---
	4	148+40.0	LT	---	---	1	---	1	---
	4	148+80.0	LT	8	---	---	---	---	---
	4	149+33.0	LT	---	1	---	---	---	---
	4	149+45.0	LT	---	---	---	---	1	---
	4	149+45.1	LT	---	---	1	---	1	---
	4	149+50 - 151+00	LT	30	---	---	---	---	---
	4	150+50.0	LT	---	---	1	---	1	---
	4	152+03.0	LT	---	---	---	1	---	---
	4	152+45.0	LT	---	---	1	1	1	---
	4	153+72.0	LT	---	---	1	---	1	---
	4	155+50.0	LT	8	---	---	---	---	---
	4	171+57.0	RT	---	---	1	---	---	1
	4	171+70.6	RT	---	---	1	---	---	1
	4	171+87.7	LT	---	---	1	---	---	1
	4	172+23.0	LT	---	---	1	---	---	1
	SUBTOTAL STAGE 4 CATEGORY 0060			127	1	19	4	12	10
	TOTAL STAGE 4			127	1	19	4	12	10
0010	5	128+38.4	RT	---	---	1	---	---	1
	5	128+48.0	RT	---	---	1	---	---	1
	5	129+54.9	LT	---	---	---	---	---	1
	5	129+59.9	LT	---	---	---	---	---	1
	5	128+36.4	LT	---	---	1	---	1	---
	5	128+44.8	LT	---	---	1	---	---	1
	5	128+64.8	LT	---	---	1	---	1	---
	5	128+55.5	RT	---	---	1	---	---	1
	SUBTOTAL STAGE 5 CATEGORY 0010			0	0	6	0	2	6
	5	140+39.6	RT	---	---	1	---	---	1
	5	140+45.1	RT	---	---	1	---	---	1
	5	140+73.0	RT	---	---	1	---	1	---
	SUBTOTAL STAGE 5 CATEGORY 0060			0	0	3	0	1	2
	UNDISTRIBUTED			110	9	---	---	---	---
	GRAND TOTAL (CATEGORY 0010)			71	9	58	6	47	14
	GRAND TOTAL (CATEGORY 0060)			604	44	91	13	67	24
	GRAND TOTALS			675	53	149	19	114	38

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

FIELD FACILITIES SPECIAL

CATEGORY	PROJECT	SPV.0060.75 EACH
0010	5992-11-01	0.27
0060	5992-11-01	0.65
	TOTAL	0.92

TRACKING PADS

CATEGORY	LOCATION	628.7560 EACH
0010	WASTE SITE	---
	STAGE 1	1
	STAGE 2	1
	STAGE 3	1
	STAGE 4	1
	UNDISTRIBUTED	1
	SUBTOTAL CATEGORY 0010	5
0060	WASTE SITE	1
	STAGE 1	1
	STAGE 2	1
	STAGE 3	1
	STAGE 4	1
	UNDISTRIBUTED	1
	SUBTOTAL CATEGORY 0060	6
	TOTAL	11

TREES

CATEGORY	BID ITEM NUMBER	SYMBOL	COMMON NAME	SIZE WHEN PLANTED	ROOT ZONE MODE	TOTAL QUANTITY EACH
0060	632.0101.01	CC	CHOKEBERRY, COMMON	1.5" CAL.	B&B	13
	632.0101.02	HC	HAWTHORN, COCKSPUR	1.5" CAL.	B&B	12
	632.0101.03	AM	MAPLE, AMUR	1.5" CAL.	B&B	10
	632.0101.04	ER	REDBUD, EASTERN	1.5" CAL.	B&B	11
	632.0101.05	MM	MAPLE, MIYABEI	2" CAL.	B&B	13
	632.0101.06	YW	YELLOWWOOD	2" CAL.	B&B	13
	632.0101.07	KC	COFFEETREE, KENTUCKY	2" CAL.	B&B	8
	632.0101.08	HB	HACKBERRY, COMMON	2" CAL.	B&B	7
	632.0101.09	HT	HONEYLOCUST, COMMON THORNLESS	2" CAL.	B&B	6
	632.0101.10	FM	MAPLE, FREEMAN	2" CAL.	B&B	6
	632.0101.11	BO	OAK, BUR	2" CAL.	B&B	6
	632.0101.12	SW	OAK, SWAMP WHITE	2" CAL.	B&B	6
	632.0101.13	WS	SPRUCE, WHITE	6'HT.	B&B	92

LANDSCAPE PLANTING SURVEILLANCE & CARE CYCLES

CATEGORY	MONTH	632.9101 EACH
0060	MAY 2024	1
	JUNE 2024	2
	JULY 2024	2
	AUGUST 2024	2
	SEPTEMBER 2024	2
	OCTOBER 2024	1
	TOTAL	10

PERMANENT SIGNING SUMMARY

CATEGORY	SIGN NO.	APPROX. STA.	LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	SPV.0060.03 SIGN POST BASE FOR CONCRETE INSTALLATION EACH	SPV.0060.04 PRECAST SIGN POST BASE EACH	SPV.0090.04 SIGN POST LF	SPV.0090.05 REFLECTIVE SIGN POST LF	REMARKS
0010	2 - 1	108+56	LT	R1-1	STOP	30 x 30	5.18	---	---	1	10	---	
	2 - 2	109+32	LT	R5-1	DO NOT ENTER	30 x 30	6.25	---	---	1	---	10	
	2 - 3	110+92	LT	R5-1A	WRONG WAY	36 x 24	6.00	---	---	1	---	10	
	2 - 4	108+04	MEDIAN	---	GROUND MOUNTED STREET NAME SIGNS	--- x ---	---	---	---	---	---	---	SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR ON LIGHT POLE
	2 - 5	108+51	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.00	---	1	---	---	10	
	2 - 6	108+87	RT	R6-2L	ONE WAY LEFT ARROW	24 x 30	5.00	---	---	1	---	10	
	2 - 7	109+09	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.00	---	---	1	---	10	
	2 - 8	11+50	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	3.00	---	---	1	---	10	SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR
	2 - 9	118+48	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	3.00	---	---	1	---	10	SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR
	3 - 1	116+49	RT	R2-1	SPEED LIMIT 35 MPH	24 x 30	5.00	---	---	1	---	10	
	3 - 2	117+50	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	3.00	---	---	1	---	10	SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR
	3 - 3	117+51	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	3.00	---	---	1	---	10	SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR
	3 - 4	114+48	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	3.00	---	---	1	---	10	SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR
	3 - 5	114+51	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	3.00	---	---	1	---	10	SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR
	3 - 6	116+49	MEDIAN	R2-1	SPEED LIMIT 35 MPH	24 x 30	5.00	---	---	1	---	10	
	4 - 1	121+08	MEDIAN	R4-7	KEEP RIGHT	24 x 12	2.00	---	1	---	---	9	
	4 - 2	121+34	LT	R1-1	STOP	30 x 30	5.18	---	---	1	10	---	
	4 - 3	122+00	LT	R5-1	DO NOT ENTER	30 x 30	6.25	---	---	1	---	10	
	4 - 4	121+83	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.00	---	---	1	---	10	
	4 - 5	121+56	RT	R6-2L	ONE WAY LEFT ARROW	24 x 30	5.00	---	---	1	---	10	
	4 - 6	122+34	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	3.00	---	---	1	---	10	SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR
	4 - 7	124+13	MEDIAN	D1-61	BLACKHAWK RD ADVANCED CROSSROAD WITH ARROWS	78 x 24	13.00	---	---	---	---	---	INSTALL ON LIGHT POLE
	4 - 8	124+13	RT	D1-61	BLACKHAWK RD ADVANCED CROSSROAD WITH ARROWS	78 x 24	13.00	---	---	2	---	20	
	4 - 9	125+95	MEDIAN	R3-8HF	LEFT ONLY/RIGHT ONLY (ROUNDABOUT)	36 x 30	7.50	---	---	---	---	---	INSTALL ON LIGHT POLE
	4 - 10	125+96	RT	R3-8HF	LEFT ONLY/RIGHT ONLY (ROUNDABOUT)	36 x 30	7.50	---	---	1	---	10	
	4 - 11	125+00	RT	W2-6	CIRCULAR INTERSECTION SIGN	30 x 30	---	6.25	---	1	---	12	
	4 - 12	125+00	RT	W13-1	ADVISORY SPEED PLATE (YELLOW BACK)	18 x 18	---	2.25	---	---	---	---	INSTALL BELOW SIGN 4-11
	4 - 13	125+58	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	3.00	---	---	1	---	10	SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR
	5 - 1	128+43	MEDIAN	R6-1R	ONE WAY RIGHT ARROW	36 x 12	3.00	---	---	2	---	26	
	5 - 2	128+43	MEDIAN	R6-4B	ROUNDABOUT CHEVRON BANK	60 x 24	10.00	---	---	---	---	---	INSTALL BELOW SIGN 5-1 AT 4 FT MOUNTING HEIGHT
	5 - 3	126+67	LT	R2-1	SPEED LIMIT 35 MPH	24 x 30	5.00	---	---	1	---	10	
	5 - 4	127+75	MEDIAN	D1-1	PLEASANT VIEW RD ROUNDABOUT EXIT	108 x 15	11.25	---	2	---	---	18	
	5 - 5	127+72	MEDIAN	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.25	1	---	---	12	
	5 - 6	127+72	MEDIAN	W16-7R	RIGHT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	2.00	---	---	---	9	INSTALL BELOW SIGN 5-5
	5 - 7	127+62	LT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.25	---	---	---	---	INSTALL ON LIGHT POLE
	5 - 8	127+62	LT	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	2.00	---	---	---	---	INSTALL BELOW SIGN 5-7 ON LIGHT POLE
	5 - 9	15+03 B	MEDIAN	R1-2	YIELD	36 x 31	3.88	---	1	---	10	---	
	5 - 10	15+11 B	RT	R1-2	YIELD	36 x 31	3.88	---	---	1	10	---	
	5 - 11	14+59 B	RT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.25	---	---	---	---	INSTALL ON LIGHT POLE
	5 - 12	14+59 B	RT	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	2.00	---	---	---	---	INSTALL BELOW SIGN 5-11 ON LIGHT POLE
	5 - 13	14+59 B	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.00	---	1	---	10	---	
	5 - 14	14+97 B	LT	D1-1	BLACKHAWK RD ROUNDABOUT EXIT	90 x 15	9.38	---	2	---	18	---	
	5 - 15	14+86 B	LT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.25	---	---	---	---	INSTALL ON LIGHT POLE
	5 - 16	14+86 B	LT	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	2.00	---	---	---	---	INSTALL BELOW SIGN 5-15 ON LIGHT POLE
	5 - 17	128+78	MEDIAN	R6-1R	ONE WAY RIGHT ARROW	36 x 12	3.00	---	---	2	---	26	
	5 - 18	128+78	MEDIAN	R6-4B	ROUNDABOUT CHEVRON BANK	60 x 24	10.00	---	---	---	---	---	INSTALL BELOW SIGN 5-17 AT 4 FT MOUNTING HEIGHT
	5 - 19	129+53	LT	R1-2	YIELD	36 x 31	3.88	---	---	1	---	10	
	5 - 20	159+39	MEDIAN	R1-2	YIELD	36 x 31	3.88	---	1	---	---	10	
	5 - 21	129+83	LT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.25	---	---	---	---	INSTALL ON LIGHT POLE
	5 - 22	129+83	LT	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	2.00	---	---	---	---	INSTALL BELOW SIGN 5-21 ON LIGHT POLE
					SHEET TOTALS		202.99	49.75	10	30	68	352	

CON'T NEXT PAGE

PERMANENT SIGNING SUMMARY (CON'T)

CATEGORY	SIGN NO.	APPROX. STA.	LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	SPV.0060.03 SIGN POST BASE FOR CONCRETE INSTALLATION EACH	SPV.0060.04 PRECAST SIGN POST BASE EACH	SPV.0090.04 SIGN POST LF	SPV.0090.05 REFLECTIVE SIGN POST LF	REMARKS
0010	5 - 23	129+68	MEDIAN	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.25	---	1	---	12	
(CON'T)	5 - 24	129+68	MEDIAN	W16-7R	RIGHT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	2.00	---	---	---	---	INSTALL BELOW SIGN 5-23
	5 - 25	131+35	LT	R3-8HF	LEFT ONLY/RIGHT ONLY (ROUNDABOUT)	36 x 30	7.50	---	---	1	---	10	
	5 - 26	131+38	MEDIAN	R3-8HF	LEFT ONLY/RIGHT ONLY (ROUNDABOUT)	36 x 30	7.50	---	---	---	---	---	INSTALL ON LIGHT POLE
	5 - 27	127+54	MEDIAN	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.25	---	1	---	12	
	5 - 28	127+54	MEDIAN	W16-7R	RIGHT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	2.00	---	---	---	---	INSTALL BELOW SIGN 5-27
	5 - 29	127+52	RT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.25	---	---	---	---	INSTALL ON LIGHT POLE
	5 - 30	127+52	RT	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	2.00	---	---	---	---	INSTALL BELOW SIGN 5-29 ON LIGHT POLE
	5 - 31	127+85	MEDIAN	R1-2	YIELD	36 x 31	3.88	---	1	---	---	10	
	5 - 32	127+95	RT	R1-2	YIELD	36 x 31	3.88	---	---	1	---	10	
	5 - 33	128+38	MEDIAN	R6-1R	ONE WAY RIGHT ARROW	36 x 12	3.00	---	---	2	---	26	
	5 - 34	128+38	MEDIAN	R6-4B	ROUNDABOUT CHEVRON BANK	60 x 24	10.00	---	---	---	---	---	INSTALL BELOW SIGN 5-33 AT 4 FT MOUNTING HEIGHT
	5 - 35	16+76 B	MEDIAN	D1-1	BLACKHAWK RD ROUNDABOUT EXIT	90 x 15	9.38	---	2	---	18	---	
	5 - 36	16+95 B	RT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.25	---	---	---	---	INSTALL ON LIGHT POLE
	5 - 37	16+95 B	RT	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	2.00	---	---	---	---	INSTALL BELOW SIGN 5-36 ON LIGHT POLE
	5 - 38	17+13 B	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.00	---	1	---	10	---	
	5 - 39	16+62 B	LT	R1-2	YIELD	36 x 31	3.88	---	---	1	10	---	
	5 - 40	16+72 B	MEDIAN	R1-2	YIELD	36 x 31	3.88	---	1	---	10	---	
	5 - 41	17+10 B	LT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.25	---	---	---	---	INSTALL ON LIGHT POLE
	5 - 42	17+10 B	LT	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	2.00	---	---	---	---	INSTALL BELOW SIGN 5-41 ON LIGHT POLE
	5 - 43	16+12 B	MEDIAN	R6-1R	ONE WAY RIGHT ARROW	36 x 12	3.00	---	---	2	26	---	
	5 - 44	16+12 B	MEDIAN	R6-4B	ROUNDABOUT CHEVRON BANK	60 x 24	10.00	---	---	---	---	---	INSTALL BELOW SIGN 5-43 AT 4 FT MOUNTING HEIGHT
	5 - 45	129+36	MEDIAN	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.25	1	---	---	12	
	5 - 46	129+36	MEDIAN	W16-7R	RIGHT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	2.00	---	---	---	---	INSTALL BELOW SIGN 5-45
	5 - 47	129+33	RT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.25	---	---	---	---	INSTALL ON LIGHT POLE
	5 - 48	129+33	RT	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	2.00	---	---	---	---	INSTALL BELOW SIGN 5-47 ON LIGHT POLE
	5 - 49	130+74	RT	R2-1	SPEED LIMIT 35 MPH	24 x 30	5.00	---	---	1	---	10	
	5 - 50	131+50	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	3.00	---	---	1	---	10	SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR
	5 - 51	130+74	MEDIAN	R2-1	SPEED LIMIT 35 MPH	24 x 30	5.00	---	1	---	---	10	
	5 - 52	129+33	MEDIAN	D1-1	PLEASANT VIEW RD ROUNDABOUT EXIT	108 x 15	11.25	---	2	---	---	18	
	5 - 53	126+67	MEDIAN	R2-1	SPEED LIMIT 35 MPH	24 x 30	5.00	---	---	1	---	10	
	6 - 1	133+55	LT	D1-61	BLACKHAWK RD ADVANCED CROSSROAD WITH ARROWS	78 x 24	13.00	---	---	2	---	20	
	6 - 2	133+55	MEDIAN	D1-61	BLACKHAWK RD ADVANCED CROSSROAD WITH ARROWS	78 x 24	13.00	---	---	2	---	20	
	6 - 3	132+50	LT	W2-6	CIRCULAR INTERSECTION SIGN	30 x 30	---	6.25	---	1	---	12	
	6 - 4	132+50	LT	W13-1	ADVISORY SPEED PLATE (YELLOW BACK)	18 x 18	---	2.25	---	---	---	---	INSTALL BELOW SIGN 6-3
	6 - 5	134+84	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	3.00	---	---	1	---	10	SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR
	17 - 1	12+46 B	RT	W2-6	CIRCULAR INTERSECTION SIGN	30 x 30	---	6.25	---	1	12	---	
	17 - 2	12+46 B	RT	W13-1	ADVISORY SPEED PLATE (YELLOW BACK)	18 x 18	---	2.25	---	---	---	---	INSTALL BELOW SIGN 17-1
	17 - 5	13+58 B	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	3.00	---	---	1	10	---	SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR
	18 - 1	19+19 B	LT	W2-6	CIRCULAR INTERSECTION SIGN	30 x 30	---	6.25	---	1	12	---	
	18 - 2	19+19 B	LT	W13-1	ADVISORY SPEED PLATE (YELLOW BACK)	18 x 18	---	2.25	---	---	---	---	INSTALL SIGN BELOW SIGN 18-1
	18 - 3	19+96 B	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	3.00	---	---	1	10	---	SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR
	18 - 4	19+26 B	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	3.00	---	---	1	10	---	SIGN PROVIDED BY CITY OF MADISON, INSTALLED BY CONTRACTOR
	18 - 5	18+51 B	RT	R2-1	SPEED LIMIT 30 MPH	24 x 30	5.00	---	---	1	10	---	
					SHEET TOTALS		143.13	83.25	9	24	138	212	
					TOTALS		346.11	133.00	19	54	206	564	

MOVING/REMOVING SIGN ITEMS

CATEGORY	SIGN NUMBER	204.0195* REMOVING CONCRETE BASES EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
0010	E1-2	1	1	
	E1-3	1	1	
	E2-1	1	1	
	E2-3	1	1	
	E2-4	1	1	
	E2-5	1	1	
	E2-6	1	1	
	E2-7	1	1	
	E2-8	1	1	
	E2-9	1	1	
	E2-10	1	1	
	E4-1	1	1	
	E4-2	1	1	
	E5-1	1	1	
	E5-4	1	1	
	E5-6	1	1	
	E5-8	1	1	
	E5-10	1	1	
	E5-11	1	1	
	E5-12	1	1	
	E6-1	1	1	
	E6-2	1	1	
	E17-1	1	1	
	E17-2	1	1	
	E18-1	1	1	
	E18-2	1	1	
	E18-4	1	1	
	E18-5	1	1	
	SUBTOTALS (0010)	28	28	
0060	E7-1	1	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E7-2	1	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E7-3	1	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E7-4	1	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E7-5	1	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E7-6	1	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E8-1	1	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E9-1	1	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E9-2	1	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E9-3	1	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E10-1	1	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E10-2	1	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E10-3	1	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E11-1	1	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E12-1	1	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E12-2	1	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E12-3	1	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E12-4	1	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	E20-1	1	---	SIGN AND SIGN POST REMOVED BY CITY OF MIDDLETON
	SUBTOTALS (0060)	19	0	
	GRAND TOTALS	47	28	*ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC CONTROL

CATEGORY	PROJECT	643.5000 EACH
0010	5992-11-01	0.27
0060	5992-11-01	0.65
	TOTAL	0.92

TRAFFIC CONTROL SUMMARY

CATEGORY	STAGE	LOCATION	DURATION DAYS	643.0300 DRUMS EACH	643.0300 DRUMS DAY	643.0410 BARRICADES TYPE II EACH	643.0410 BARRICADES TYPE II DAY	643.0420 * BARRICADES TYPE III EACH	643.0420 * BARRICADES TYPE III DAY	643.0705 * WARNING LIGHTS TYPE A EACH	643.0705 * WARNING LIGHTS TYPE A DAY	643.0715 WARNING LIGHTS TYPE C EACH	643.0715 WARNING LIGHTS TYPE C DAY	643.0900 * SIGNS EACH	643.0900 * SIGNS DAY	644.1601 TEMPORARY PEDESTRIAN CURB RAMP EACH	644.1601 TEMPORARY PEDESTRIAN CURB RAMP DAYS
0010	1	ADVANCE WARNING	57	0	0	0	0	0	0	0	0	0	0	1	57	0	0
	1	PLEASANT VIEW ROAD	57	87	4,959	0	0	7	399	10	570	0	0	11	627	0	0
		SUBTOTAL STAGE 1 CATEGORY 0010			4,959		0		399		570		0		684		0
0060	1	ADVANCE WARNING	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	PLEASANT VIEW ROAD	57	143	8,151	0	0	16	912	25	1,425	0	0	17	969	0	0
		SUBTOTAL STAGE 1 CATEGORY 0060			8,151		0		912		1,425		0		969		0
		TOTALS STAGE 1			13,110		0		1,311		1,995		0		1,653		0
0010	2	ADVANCE WARNING	77	0	0	0	0	2	154	4	308	0	0	16	1,232	0	0
	2	PLEASANT VIEW ROAD	77	87	6,699	11	847	18	1,386	41	3,157	15	1,155	48	3,696	1	77
		SUBTOTAL STAGE 2 CATEGORY 0010			6,699		847		1,540		3,465		1,155		4,928		77
0060	2	ADVANCE WARNING	77	0	0	0	0	0	0	0	0	0	0	2	154	0	0
	2	PLEASANT VIEW ROAD	77	59	4,543	7	539	38	2,926	76	5,852	0	0	45	3,465	2	154
		SUBTOTAL STAGE 2 CATEGORY 0060			4,543		539		2,926		5,852		0		3,619		154
		TOTALS STAGE 2			11,242		1,386		4,466		9,317		1,155		8,547		231
0010	2A	ADVANCE WARNING	15	0	0	0	0	0	0	0	0	0	0	6	90	0	0
	2A	PLEASANT VIEW ROAD	15	87	1,305	11	165	22	330	49	735	15	225	54	810	1	15
		SUBTOTAL STAGE 2A CATEGORY 0010			1,305		165		330		735		225		900		15
0060	2A	ADVANCE WARNING	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2A	PLEASANT VIEW ROAD	15	57	855	8	120	51	765	100	1,500	5	75	59	885	1	15
		SUBTOTAL STAGE 2A CATEGORY 0060			855		120		765		1,500		75		885		15
		TOTALS STAGE 2A			2,160		285		1,095		2,235		300		1,785		30
0010	2B	ADVANCE WARNING	15	0	0	0	0	0	0	0	0	0	0	6	90	0	0
	2B	PLEASANT VIEW ROAD	15	91	1,365	12	180	26	390	55	825	15	225	56	840	1	15
		SUBTOTAL STAGE 2B CATEGORY 0010			1,365		180		390		825		225		930		15
0060	2B	ADVANCE WARNING	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2B	PLEASANT VIEW ROAD	15	64	960	7	105	42	630	83	1,245	8	120	54	810	1	15
		SUBTOTAL STAGE 2B CATEGORY 0060			960		105		630		1,245		120		810		15
		TOTALS STAGE 2B			2,325		285		1,020		2,070		345		1,740		30
0010	3	ADVANCE WARNING	28	0	0	0	0	2	56	4	112	0	0	7	196	0	0
	3	PLEASANT VIEW ROAD	28	71	1,988	3	84	25	700	48	1,344	29	812	43	1,204	5	140
		SUBTOTAL STAGE 3 CATEGORY 0010			1,988		84		756		1,456		812		1,400		140
0060	3	ADVANCE WARNING	28	0	0	0	0	0	0	0	0	0	0	1	28	0	0
	3	PLEASANT VIEW ROAD	28	83	2,324	11	308	66	1,848	131	3,668	0	0	71	1,988	0	0
		SUBTOTAL STAGE 3 CATEGORY 0060			2,324		308		1,848		3,668		0		2,016		0
		TOTALS STAGE 3			4,312		392		2,604		5,124		812		3,416		140

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CON'T NEXT PAGE

TRAFFIC CONTROL SUMMARY

CATEGORY	STAGE	LOCATION	DURATION DAYS	643.0300 DRUMS EACH	643.0300 DRUMS DAY	643.0410 BARRICADES TYPE II EACH	643.0410 BARRICADES TYPE II DAY	* 643.0420 BARRICADES TYPE III EACH	* 643.0420 BARRICADES TYPE III DAY	* 643.0705 WARNING LIGHTS TYPE A EACH	* 643.0705 WARNING LIGHTS TYPE A DAY	643.0715 WARNING LIGHTS TYPE C EACH	643.0715 WARNING LIGHTS TYPE C DAY	* 643.0900 SIGNS EACH	* 643.0900 SIGNS DAY	644.1601 TEMPORARY PEDESTRIAN CURB RAMP EACH	644.1601 TEMPORARY PEDESTRIAN CURB RAMP DAYS
0010	3A	ADVANCE WARNING	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3A	PLEASANT VIEW ROAD	15	71	1,065	3	45	25	375	48	720	29	435	43	645	5	75
		SUBTOTAL STAGE 3A CATEGORY 0010			1,065		45		375		720		435		645		75
0060	3A	ADVANCE WARNING	15	0	0	0	0	0	0	0	0	0	0	1	15	0	0
	3A	PLEASANT VIEW ROAD	15	97	1,455	12	180	67	1,005	133	1,995	0	0	71	1,065	0	0
		SUBTOTAL STAGE 3A CATEGORY 0060			1,455		180		1,005		1,995		0		1,080		0
		TOTALS STAGE 3A			2,520		225		1,380		2,715		435		1,725		75
0010	3B	ADVANCE WARNING	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3B	PLEASANT VIEW ROAD	15	71	1,065	3	45	25	375	48	720	29	435	43	645	5	75
		SUBTOTAL STAGE 3B CATEGORY 0010			1,065		45		375		720		435		645		75
0060	3B	ADVANCE WARNING	15	0	0	0	0	0	0	0	0	0	0	1	15	0	0
	3B	PLEASANT VIEW ROAD	15	90	1,350	12	180	57	855	113	1,695	3	45	73	1,095	0	0
		SUBTOTAL STAGE 3B CATEGORY 0060			1,350		180		855		1,695		45		1,110		0
		TOTALS STAGE 3B			2,415		225		1,230		2,415		480		1,755		75
0010	3C	ADVANCE WARNING	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3C	PLEASANT VIEW ROAD	5	83	415	3	15	31	155	56	280	15	75	42	210	0	0
		SUBTOTAL STAGE 3C CATEGORY 0010			415		15		155		280		75		210		0
0060	3C	ADVANCE WARNING	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3C	PLEASANT VIEW ROAD	5	79	395	3	15	35	175	63	315	15	75	57	285	0	0
		SUBTOTAL STAGE 3C CATEGORY 0060			395		15		175		315		75		285		0
		TOTALS STAGE 3C			810		30		330		595		150		495		0
0010	WINTER	ADVANCE WARNING	149	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	WINTER	PLEASANT VIEW ROAD	149	83	12,367	3	447	31	4,619	56	8,344	15	2,235	42	6,258	0	0
		SUBTOTAL STAGE WINTER CATEGORY 0010			12,367		447		4,619		8,344		2,235		6,258		0
0060	WINTER	ADVANCE WARNING	149	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	WINTER	PLEASANT VIEW ROAD	149	54	8,046	3	447	31	4,619	57	8,493	15	2,235	55	8,195	0	0
		SUBTOTAL STAGE WINTER CATEGORY 0060			8,046		447		4,619		8,493		2,235		8,195		0
		TOTALS STAGE WINTER			20,413		894		9,238		16,837		4,470		14,453		0
0010	4	ADVANCE WARNING	61	0	0	0	0	0	0	0	0	0	0	1	61	0	0
	4	PLEASANT VIEW ROAD	61	99	6,039	3	183	40	2,440	81	4,941	23	1,403	45	2,745	2	122
		SUBTOTAL STAGE 4 CATEGORY 0010			6,039		183		2,440		4,941		1,403		2,806		122
0060	4	ADVANCE WARNING	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	PLEASANT VIEW ROAD	61	93	5,673	3	183	38	2,318	76	4,636	15	915	55	3,355	0	0
		SUBTOTAL STAGE 4 CATEGORY 0060			5,673		183		2,318		4,636		915		3,355		0
		TOTALS STAGE 4			11,712		366		4,758		9,577		2,318		6,161		122
0010	5	ADVANCE WARNING	35	0	0	0	0	0	0	0	0	0	0	1	35	0	0
	5	PLEASANT VIEW ROAD	35	84	2,940	3	105	26	910	51	1,785	26	910	32	1,120	2	70
		SUBTOTAL STAGE 5 CATEGORY 0010			2,940		105		910		1,785		910		1,155		70
0060	5	PLEASANT VIEW ROAD	35	22	770	0	0	4	140	6	210	0	0	14	490	0	0
		SUBTOTAL STAGE 5 CATEGORY 0060			770		0		140		210		0		490		0
		TOTALS STAGE 5			3,710		105		1,050		1,995		910		1,645		70
0010		UNDISTRIBUTED			4,020		210		1,230		2,380		790		2,060		60
0060		UNDISTRIBUTED			3,450		210		1,620		3,100		350		2,280		20
		SUBTOTALS (CATEGORY 0010)			44,227		2,326		13,519		26,221		8,700		22,621		649
		SUBTOTALS (CATEGORY 0060)			37,972		2,287		17,813		34,134		3,815		25,094		204
		GRAND TOTALS			82,199		4,613		31,332		60,355		12,515		47,715		853

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

MARKING

CATEGORY	STATION - STATION	LOCATION	646.1020 LINE EPOXY 4-INCH (WHITE) LF	(DOUBLE YELLOW) LF	(3' SEG., 9' GAP) (WHITE) LF	(3' SEG., 9' GAP) (YELLOW) LF	(WHITE SKIP 10' SEG., 30' GAP) LF	SPV.0090.34 LINE EPOXY 6-INCH (WHITE SKIP, (10' SEG., 30' GAP) LF	646.3020 LINE EPOXY 8-INCH (WHITE) LF	(WHITE SKIP, (6' SEG., 3' GAP) LF	646.6320 DOTTED EXTENSION EPOXY 18-INCH LF	646.5020 ARROW EPOXY EACH	646.5320 MARKING RAILROAD CROSSING EPOXY EACH	646.7420 CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8120 CURB EPOXY LF	646.8220 ISLAND NOSE EPOXY EACH	646.7120 MARKING DIAGONAL EPOXY 12-INCH LF	646.6120 STOP LINE EPOXY 18-INCH LF
0010	103+25. _ 108+36.	PVR NORTHBOUND	470	---	---	---	---	130	120	---	---	2	---	---	---	---	---	---
	103+25. _ 108+36.	PVR SOUTHBOUND	20	---	---	---	---	4	---	---	---	---	---	---	---	---	---	---
	108+32. _ 127+66.5SB	PVR SOUTHBOUND	1,780	---	12	---	---	465	---	---	---	---	---	160	125	4	---	14
	108+36. _ 127+95.2	PVR NORTHBOUND	1,810	---	---	---	---	450	255	---	---	3	---	135	---	---	---	---
	127+95.2 _ 129+52.6	BLACKHAWK RAB	---	---	---	---	---	---	325	160	102	4	---	275	---	---	---	---
	7+36.B _ 14+80.1B	BLACKHAWK RD	895	1,250	46	---	---	---	---	---	---	---	---	---	---	1	---	---
	16+95B _ 21+16.36B	BLACKHAWK RD	565	935	26	---	---	---	---	---	---	---	---	---	---	1	---	---
	129+52.6 _ 139+78.5	PVR NORTHBOUND	795	---	30	---	---	225	120	---	---	2	---	---	---	---	---	---
	SUBTOTAL CATEGORY 0010				8,634			1,274		980	102	11	0	570	125	6	0	14
0060	129+23.6SB _ 139+79.8SB	PVR SOUTHBOUND	800	---	31	---	---	225	115	---	---	2	---	44	---	---	---	---
	139+78.5 _ 141+72.	GREENWAY RAB	---	---	---	---	---	---	300	160	81	4	---	205	---	---	---	---
	50+29.9G _ 52+25.7G	GREENWAY BLVD	---	---	---	---	---	24	---	---	---	---	---	---	98	2	---	---
	141+72. _ 170+43.2	PVR NORTHBOUND	2,630	---	31	---	---	680	330	---	---	4	---	---	130	2	---	---
	141+66.6SB _ 170+57.SB	PVR SOUTHBOUND	2,680	---	31	---	---	695	220	---	---	3	---	---	93	4	---	---
	170+43.2 _ 172+40.8	QUARRY RAB	---	---	---	---	---	---	310	160	85	4	---	260	---	---	---	---
	50+29.9Q _ 51+57.2Q	QUARRY RD	---	295	---	---	---	---	---	---	---	---	---	---	5	1	---	---
	172+40.8 _ 178+00.	PVR NORTHBOUND	490	---	13	---	---	140	---	---	---	---	2	---	30	2	22	---
	172+41.2SB _ 178+00.	PVR SOUTHBOUND	400	---	42	---	---	110	210	---	---	2	---	---	---	---	---	---
	SUBTOTAL CATEGORY 0060				7,443			1,874		1,805	166	19	2	509	356	11	22	0
	GRAND TOTALS				16,077			3,148		2,785	268	30	2	1,079	481	17	22	14

COLD WEATHER MARKING

CATEGORY	STAGE	STATION - STATION	LOCATION	646.6464 EPOXY 4-INCH (WHITE) LF	(YELLOW) LF	(DOUBLE YELLOW) LF
0010	4	103+25. _ 110+27.5	PVR NB/SB	765	760	185
	4	110+27.5 _ 128+14.	PVR NORTHBOUND	320	---	3,570
	4	14+73.3B _ 17+79.9B	BLACKHAWK RD	655	28	460
	SUBTOTAL STAGE 4 CATEGORY 0010				6,743	
0060	4	129+22.5 _ 164+46.8	PVR NORTHBOUND	820	---	7,050
	4	50+00.G _ 50+29.9G	GREENWAY BLVD	120	94	---
	4	164+46.8 _ 170+37.3	PVR SOUTHBOUND	305	845	---
	SUBTOTAL STAGE 4 CATEGORY 0060				9,234	
	TOTALS STAGE 4				15,977	
	GRAND TOTAL (CATEGORY 0010)				6,743	
	GRAND TOTAL (CATEGORY 0060)				9,234	
	GRAND TOTALS				15,977	

DETOUR SUMMARY

CATEGORY	STAGE	LOCATION	DURATION DAYS	* 643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH	* 643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	* 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	* 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	* 643.0900 TRAFFIC CONTROL SIGNS EACH	* 643.0900 TRAFFIC CONTROL SIGNS DAY	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF
0010	1	PLEASANT VIEW ROAD DETOUR (RAILROAD)	5	2	10	4	20	33	165	32.5
0060	1	PLEASANT VIEW ROAD DETOUR (RAILROAD)	5	2	10	4	20	37	185	40.6
		TOTALS STAGE 1			20		40		350	73.1
0010	2	PLEASANT VIEW ROAD DETOUR	88	2	176	4	352	33	2,904	32.5
	2	BLACKHAWK ROAD (WEST) DETOUR	88	0	0	0	0	46	4,048	0.0
		SUBTOTAL STAGE 2 CATEGORY 0010			176		352		6,952	33
0060	2	PLEASANT VIEW ROAD DETOUR	88	2	176	4	352	37	3,256	40.6
	2	GREENWAY BOULEVARD DETOUR	88	2	176	4	352	29	2,552	0.0
		SUBTOTAL STAGE 2 CATEGORY 0060			352		704		5,808	41
		TOTALS STAGE 2			528		1,056		12,760	73.1
0010	3	PLEASANT VIEW ROAD DETOUR	62	2	124	4	248	33	2,046	---
	3	BLACKHAWK ROAD (EAST) DETOUR	62	3	186	4	248	40	2,480	0.0
		SUBTOTAL STAGE 3 CATEGORY 0010			310		496		4,526	0.0
0060	3	PLEASANT VIEW ROAD DETOUR	62	2	124	4	248	37	2,294	---
		TOTALS STAGE 3			434		744		6,820	0.0
		SUBTOTALS (CATEGORY 0010)			496		868		11,643	65.0
		SUBTOTALS (CATEGORY 0060)			486		972		8,287	81.2
		GRAND TOTALS			982		1,840		19,930	146.2

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TEMPORARY PEDESTRIAN FACILITIES

CATEGORY	STAGE	644.1410 TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	644.1420 TEMPORARY PEDESTRIAN SURFACE PLYWOOD SF	644.1430 TEMPORARY PEDESTRIAN SURFACE PLATE SF	644.1810 BARRICADE LF
0010	STAGE 2	95	---	---	---
0060	STAGE 2	2350	---	---	---
	TOTAL STAGE 2	2445	0	0	0
0010	STAGE 2A	35	---	---	---
0060	STAGE 2A	---	---	---	---
	TOTAL STAGE 2A	35	0	0	0
0010	STAGE 2B	50	---	---	---
0060	STAGE 2B	50	---	---	---
	TOTAL STAGE 2B	100	0	0	0
0010	STAGE 3	45	---	---	---
0060	STAGE 3	325	---	---	---
	TOTAL STAGE 3	370	0	0	0
0010	STAGE 4	90	---	---	---
0010	STAGE 5	150	---	---	---
0060	STAGE 5	175	---	---	---
	TOTAL STAGE 5	325	0	0	0
0010	UNDISTRIBUTED	50	50	50	50
0060	UNDISTRIBUTED	50	50	50	50
	TOTAL UNDISTRIBUTED	100	100	100	100
0010	TOTAL CATEGORY 0010	515	50	50	50
0060	TOTAL CATEGORY 0060	2950	50	50	50
	GRAND TOTALS	3,465	100	100	100

MARKING REMOVAL

CATEGORY	STAGE	STATION - STATION	LOCATION	646.9010 MARKING REMOVAL LINE WATER BLASTING 4-INCH LF	646.9210 MARKING REMOVAL LINE WATER BLASTING WIDE LF	646.9310 MARKING REMOVAL SPECIAL MARKING WATER BLASTING EACH	COMMENT
0010	2	103+25. _ 108+50.	PVR NORTHBOUND	630	136	---	LANE LINE/BIKE LANE/CHANNELIZING
	2	117+50. _ 124+50.	PVR	1,400	---	---	DOUBLE YELLOW
	2	124+76. _ 128+24.	PVR	225	318	4	2' SEG., 6'GAP; CHANNELIZING; DBL YELLOW; STOP LINE
	2A	9+71.B _ 15+27.B	BLACKHAWK RD RT	555	---	---	EDGE LINE
	2A	13+75.B _ 15+27.B	BLACKHAWK RD RT	---	150	---	CHANNELIZING
	2B	7+36.B _ 10+71.B	BLACKHAWK RD RT	670	---	---	DOUBLE YELLOW
	2B	8+94.B _ 10+71.B	BLACKHAWK RD RT	180	---	---	EDGE LINE
		SUBTOTAL CATEGORY 0010		3,660	604	4	
0060	2	129+46. _ 136+58.	PVR	1,430	---	---	DOUBLE YELLOW
	2	139+50. _ 141+19.	PVR	175	---	---	EDGE LINE
	2	141+10. _ 148+00.	PVR	1,340	---	---	DOUBLE YELLOW
	2	166+08. _ 166+50.	PVR	84	---	---	DOUBLE YELLOW
	2	169+50. _ 171+25.	PVR	345	---	---	DOUBLE YELLOW
	2	172+43. _ 178+00.	PVR	1,130	---	---	DOUBLE YELLOW
	3	171+80. _ 172+03.	QUARRY RD	---	23	---	STOP LINE
		SUBTOTAL CATEGORY 0060		4,504	23	0	
		GRAND TOTALS		8,164	627	4	

TRAFFIC CONRTOL SIGNS PCMS

CATEGORY	STAGE	DURATION	LOCATION	MESSAGE PANEL 1	PANEL 2	643.1050 EACH	643.1050 DAY	REMARK
0010	1	7	PVR NB	ROAD WORK BEGINS	DATE	1	7	PRIOR TO START OF STAGE 1
0060	1	7	PVR SB	ROAD WORK BEGINS	DATE	1	7	PRIOR TO START OF STAGE 1
				SUBTOTAL STAGE 1			14	
0010	2	7	PVR NB	PLEASANT VIEW RD TO CLOSE	DATE	1	7	PRIOR TO START OF STAGE 2
0060	2	7	PVR SB	PLEASANT VIEW RD TO CLOSE	DATE	1	7	PRIOR TO START OF STAGE 2
0060	2	7	GREENWAY BLVD	GREENWAY BLVD TO CLOSE	DATE	1	3	PRIOR TO START OF STAGE 2
				SUBTOTAL STAGE 2			17	
0010	2A	7	BLACKHAWK RD WB	BLACKHAWK RD TO CLOSE	DATE	1	3	PRIOR TO START OF STAGE 2A
0010	3	7	BLACKHAWK RD EB	BLACKHAWK RD TO CLOSE	DATE	1	3	PRIOR TO START OF STAGE 3
0010	3	7	BLACKHAWK RD WB	BLACKHAWK RD TO CLOSE	DATE	1	3	PRIOR TO START OF STAGE 3
				SUBTOTAL STAGE 3			6	
				TOTAL CATEGORY 0010			23	
				TOTAL CATEGORY 0060			17	
				TOTAL			40	

CONSTRUCTION STAKING

CATEGORY	STATION - STATION	LOCATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.9920 SLOPE STAKES LF
0010	108+32 - 127+95.23	NORTHBOUND	1,960	1,960	1,960
	108+32SB - 128+02.92SB	SOUTHBOUND	1,970	1,970	1,970
	129+16.23 - 140+13.04	NORTHBOUND	1,100	1,100	1,100
	10+71.25B - 15+11.34B	BLACKHAWK RD	440	440	440
	16+62.34B - 21+16.36B	BLACKHAWK RD	455	455	455
	10+00.00B1 - 12+98.45B1	BLACKHAWK RD RAB	300	300	300
	SUBTOTAL CATEGORY 0010		6,225	6,225	6,225
0060	129+23.56SB - 140+19.93SB	SOUTHBOUND	1,100	1,100	1,100
	50+00.00G - 53+38.19G	GREENWAY BLVD	340	340	340
	10+00.00G1 - 12+98.45G1	GREENWAY BLVD RAB	300	300	300
	141+36.33 - 170+79.34	NORTHBOUND	2,940	2,940	2,940
	141+35.59SB - 170+92.90SB	SOUTHBOUND	2,960	2,960	2,960
	50+00.00Q - 51+56.71Q	QUARRY RD	155	155	155
	10+00.00Q1 - 12+98.45Q1	QUARRY RD RAB	300	300	300
	172+05.09 - 178+00.00	NORTHBOUND	595	595	595
	172+07.80SB - 177+88.75SB	SOUTHBOUND	580	580	580
	36+34.27BP - 37+76.61BP	BIKEPATH	140	140	140
	38+98.44BP - 42+33.72BP	BIKEPATH	335	335	335
	50+00.00BP2 - 55+06.74BP2	BIKEPATH	505	505	505
	SUBTOTAL CATEGORY 0060		10,250	10,250	10,250
	GRAND TOTALS		16,475	16,475	16,475

TEMPORARY MARKING

CATEGORY	STAGE	STATION - STATION	LOCATION	649.0105 LINE PAINT 4-INCH (WHITE) LF	649.0105 LINE PAINT 4-INCH (YELLOW) LF	649.0105 LINE PAINT 4-INCH (DOUBLE YELLOW) LF	649.0150 LINE REMOVABLE TAPE 4-INCH (WHITE) LF	649.0150 LINE REMOVABLE TAPE 4-INCH (YELLOW) LF	649.0150 LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW) LF	649.0250 LINE REMOVABLE TAPE 8-INCH (WHITE) LF	649.0850 STOP LINE REMOVABLE TAPE 18-INCH LF
0010	2	103+25. _ 108+32.	PVR NB/SB	---	---	---	480	710	---	---	---
	2	108+32. _ 128+34.	PVR NORTHBOUND	4,020	---	4,110	---	---	---	---	12
		SUBTOTAL STAGE 2 CATEGORY 0010			8,130			1,190		0	12
0060	2	128+70. _ 155+80.	PVR SOUTHBOUND	5,370	---	5,250	---	---	---	---	13
	2	166+00. _ 178+00.	PVR NORTHBOUND	2,230	---	2,080	---	---	---	---	---
		SUBTOTAL STAGE 2 CATEGORY 0060			14,930			0		0	13
		TOTALS STAGE 2			23,060			1,190		0	25
0010	2A	9+71.B _ 15+67.4B	BLACKHAWK RD	560	495	---	---	100	---	---	21
	2A	128+56.6 _ 129+52.4	PVR SOUTHBOUND	80	---	---	---	---	---	---	---
		SUBTOTAL STAGE 2A CATEGORY 0010			1,135			100		0	21
		TOTALS STAGE 2A			1,135			100		0	21
0010	2B	7+36.B _ 15+68.2B	BLACKHAWK RD	---	---	---	790	410	---	---	23
	2B	127+92.5 _ 129+02.7	PVR SOUTHBOUND	---	---	---	130	---	---	---	---
		SUBTOTAL STAGE 2B CATEGORY 0010			0			1,330		0	23
		TOTALS STAGE 2B			0			1,330		0	23
0010	3	103+75. _ 111+39.1	PVR NB/SB	---	---	---	835	645	---	390	---
	3	111+39.1 _ 128+02.3	PVR SOUTHBOUND	---	---	---	2,990	---	3,330	---	11
	3	13+61.4B _ 15+45.6B	BLACKHAWK RD	---	---	---	390	---	220	---	18
		SUBTOTAL STAGE 3 CATEGORY 0010			0			8,410		390	29
0060	3	128+02.3 _ 132+29.8	PVR SOUTHBOUND	575	---	590	89	---	13	---	12
	3	139+57. _ 141+88.7	BLACKHAWK RD	---	---	---	330	230	---	---	27
	3	158+91.8 _ 178+00.	PVR SOUTHBOUND	---	---	---	3,710	---	3,820	---	---
	3	50+00.Q _ 53+25.3Q	QUARRY RD	545	---	440	79	100	---	---	24
		SUBTOTAL STAGE 3 CATEGORY 0060			2,150			8,371		0	63
		TOTALS STAGE 3			2,150			16,781		390	92
0060	3A	50+00.Q _ 53+25.3Q	QUARRY RD	---	---	---	220	370	---	---	5
	3B	50+00.Q _ 53+25.3Q	QUARRY RD	---	---	---	560	270	660	---	18
		SUBTOTAL STAGE 3A&3B CATEGORY 0060			0			2,080		0	23
		TOTALS STAGE 3A & 3B			0			2,080		0	23
0010	4	103+25. _ 110+27.5	PVR NB/SB	---	---	---	845	915	185	---	---
	4	110+27.5 _ 128+14.	PVR NORTHBOUND	---	---	---	320	---	3,570	---	11
	4	14+73.3B _ 17+79.9B	BLACKHAWK RD	---	---	---	655	28	460	---	44
		SUBTOTAL STAGE 4 CATEGORY 0010			0			6,978		0	55
0060	4	129+22.5 _ 164+46.8	PVR NORTHBOUND	---	---	---	820	---	7,050	---	11
	4	50+00.G _ 50+29.9G	GREENWAY BLVD	---	---	---	120	94	---	---	24
	4	164+46.8 _ 170+37.3	PVR SOUTHBOUND	---	---	---	305	845	---	---	---
		SUBTOTAL STAGE 4 CATEGORY 0060			0			9,234		0	35
		TOTALS STAGE 4			0			16,212		0	90

CON'T NEXT PAGE

TEMPORARY MARKING

CATEGORY	STAGE	STATION - STATION	LOCATION	649.0105 LINE PAINT 4-INCH (WHITE) LF	649.0105 LINE PAINT 4-INCH (YELLOW) LF	649.0105 LINE PAINT 4-INCH (DOUBLE YELLOW) LF	649.0150 LINE REMOVABLE TAPE 4-INCH (WHITE) LF	649.0150 LINE REMOVABLE TAPE 4-INCH (YELLOW) LF	649.0150 LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW) LF	649.0250 LINE REMOVABLE TAPE 8-INCH (WHITE) LF	649.0850 STOP LINE REMOVABLE TAPE 18-INCH LF
0010	5	103+25. _ 110+27.5	PVR NORTHBOUND	---	---	---	475	705	---	---	---
	5	106+31.5 _ 113+25.	PVR SOUTHBOUND	---	---	---	---	690	---	---	---
		SUBTOTAL STAGE 5 CATEGORY 0010			0			1,870		0	0
		TOTALS STAGE 5			0			1,870		0	0
		GRAND TOTAL (CATEGORY 0010)			9,265			19,878		390	140
		GRAND TOTAL (CATEGORY 0060)			17,080			19,685		0	134
		GRAND TOTALS			26,345			39,563		390	274

WALL MODULAR BLOCK GRAVITY LANDSCAPE

CATEGORY	SPV NUMBER	STATION	LOCATION	SPV.0165 WALL MODULAR BLOCK GRAVITY LANDSCAPE SF
0060	SPV.0165.08	152+60 NB	LT	600
	SPV.0165.09	175+25 NB	RT	165
	SPV.0165.10	11+40 NS	LT	1,560
	SPV.0165.12	142+40 NB	RT	60
		TOTAL		2,385

FENCE CHAIN LINK POLYMER-COATED 4-FT
LANDSCAPE WALLS

CATEGORY	STATION	LOCATION	SPV.0090.15 LF
0060	152+60	LT	175
	172+25	RT	50
	11+40 NS	LT	202
	142+40	RT	20
		TOTAL	447

STREET LIGHTING CONDUIT SUMMARY

CATEGORY	LOCATION FROM	LOCATION TO	CONDUIT RIGID NONMETALLIC 652.0225 SCHEDULE 40 2-INCH LF	CONDUIT RIGID NONMETALLIC * 652.0235 SCHEDULE 40 3-INCH LF	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH
0030	---	LP-0100(EAST/WEST)	---	---	1
	LP-0100(EAST/WEST)	PB-0101	50	---	---
	PB-0101	EXLP-0102	87	---	1
	PB-0101	PB-0102	--	106	---
	PB-0102	LP-0101(EAST/WEST)	62	---	---
	LP-0101(EAST/WEST)	LP-0102(EAST/WEST)	180	---	---
	LP-0102(EAST/WEST)	LP-0103(EAST/WEST)	180	---	---
	LP-0103(EAST/WEST)	LP-0201(EAST/WEST)	178	---	---
	LP-0201(EAST/WEST)	LP-0202(EAST/WEST)	192	---	---
	LP-0202(EAST/WEST)	LP-0203(EAST/WEST)	172	---	---
	LP-0203(EAST/WEST)	LP-0301(EAST/WEST)	181	---	---
	LP-0301(EAST/WEST)	PB-0301	50	---	---
	PB-0301	PB-0302	--	170	---
	PB-0302	LP-0302(EAST/WEST)	38	---	---
	LP-0302(EAST/WEST)	LP-0303(EAST/WEST)	179	---	---
	LP-0303(EAST/WEST)	LP-0304(EAST/WEST)	180	---	---
	LP-0304(EAST/WEST)	PB-0401	160	---	---
	PB-0401	PB-0402	--	66	---
	PB-0402	LP-0409	33	---	---
	LP-0409	LP-0401	86	---	---
	PB-0401	PB-0408	---	92	---
	PB-0408	LP-0408	6	---	---
	LP-0408	PB-0407	95	---	---
	PB-0407	LP-0407	6	---	---
	PB-0407	PB-0406	---	144	---
	PB-0406	LP-0406	25	---	---
	LP-0406	LP-1701	100	---	---
	PB-0406	LC-01	---	63	---
	PB-0406	LP-0405	63	---	---
	LP-0405	PB-0405	35	---	---
	PB-0405	PB-0404	---	66	---
	PB-0404	PB-0403	---	70	---
	PB-0403	LP-0403	8	---	---
	LP-0403	LP-0402	90	---	---
	LP-0402	LP-1601	207	---	---
	PB-0404	LP-0404(EAST/WEST)	162	---	---
	LP-0404(EAST/WEST)	LP-0501(EAST/WEST)	140	---	---
	LP-0501(EAST/WEST)	LP-0502(EAST/WEST)	177	---	---
	PLEASANT VIEW RD NB - BLACKHAWK RAB APPROACH		---	33	---
	PLEASANT VIEW RD NB - BLACKHAWK RAB EXIT		---	31	---
	PLEASANT VIEW RD SB - BLACKHAWK RAB APPROACH		---	33	---
	PLEASANT VIEW RD SB - BLACKHAWK RAB EXIT		---	31	---
	SUBTOTALS (0030)		3,122	905	2
0060	LP-0503(EAST/WEST)	LP-0601(EAST/WEST)	190	---	---
	LP-0601(EAST/WEST)	LP-0602(EAST/WEST)	132	---	---
	LP-0602(EAST/WEST)	PB-0601	32	---	---
	PB-0601	PB-0602	---	102	---
	PB-0602	LC-02	---	390	---
	PB-0602	LP-0603	25	---	---
	LP-0603	PB-0603	77	---	---
	PB-0603	PB-0604	---	52	---
	PB-0604	PB-0605	---	56	---
	PB-0605	PB-0606	87	---	---
	PB-0606	PB-0607	---	96	---
	PB-0607	PB-0608	---	106	---
	PB-0608	LP-0605(EAST/WEST)	63	---	---
	PB-0608	LP-0606(EAST/WEST)	15	---	---
	LP-0606(EAST/WEST)	LP-0607(EAST/WEST)	179	---	---
	LP-0607(EAST/WEST)	LP-0701(EAST/WEST)	155	---	---
	LP-0701(EAST/WEST)	LP-0702(EAST/WEST)	165	---	---
	LP-0702(EAST/WEST)	LP-0703(EAST/WEST)	164	---	---
	LP-0703(EAST/WEST)	PB-0701	28	---	---
	PB-0701	PB-0702	---	168	---
	PB-0702	LP-0704(EAST/WEST)	29	---	---
	LP-0704(EAST/WEST)	LP-0801(EAST/WEST)	155	---	---
	LP-0801(EAST/WEST)	LP-0802(EAST/WEST)	176	---	---
	LP-0802(EAST/WEST)	LP-0803(EAST/WEST)	176	---	---
	LP-0803(EAST/WEST)	LP-0901(EAST/WEST)	209	---	---

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

CON'T ON RIGHT

STREET LIGHTING CONDUIT SUMMARY (CON'T)

CATEGORY	LOCATION FROM	LOCATION TO	CONDUIT RIGID NONMETALLIC 652.0225 SCHEDULE 40 2-INCH LF	CONDUIT RIGID NONMETALLIC * 652.0235 SCHEDULE 40 3-INCH LF	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH
0060 (CON'T)	LP-0902(EAST/WEST)	LP-0903(EAST/WEST)	194	---	---
	LP-0903(EAST/WEST)	LP-1001(EAST/WEST)	189	---	---
	LP-1001(EAST/WEST)	LP-1002(EAST/WEST)	185	---	---
	LP-1002(EAST/WEST)	PB-1001	97	---	---
	PB-1001	PB-1002	---	186	---
	PB-1002	LP-1003(EAST/WEST)	5	---	---
	LP-1003(EAST/WEST)	LP-1101(EAST/WEST)	179	---	---
	LP-1101(EAST/WEST)	LP-1102(EAST/WEST)	199	---	---
	LP-1102(EAST/WEST)	PB-1101	21	---	---
	PB-1101	PB-1102	---	82	---
	PB-1102	LC-03	--	10	---
	PB-1102	PB-1103	79	---	---
	PB-1103	PB-1104	---	68	---
	PB-1104	LP-1103(NORTH/SOUTH)	5	---	---
	PB-1104	PB-1105	---	60	---
	PB-1105	PB-1106	117	---	---
	PB-1106	PB-1107	---	60	---
	PB-1107	PB-1108	---	76	---
	PB-1108	LP-1104(EAST/WEST)	64	---	---
	PB-1107	LP-1105(EAST/WEST)	10	---	---
	LP-1105(EAST/WEST)	LP-1201(EAST/WEST)	194	---	---
	LP-1201(EAST/WEST)	PB-1201	21	---	---
	PB-1201	PB-1202	---	120	---
	PB-1202	LP-1202(EAST/WEST)	101	---	---
	LP-1202(EAST/WEST)	PB-1203	31	---	---
	PB-1203	PB-1204	---	78	---
	PB-1204	LP-1203(EAST/WEST)	113	---	---
		SUBTOTALS (0060)	3,861	1,710	--
		TOTALS	6,983	2,615	2

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

LIGHTING REMOVALS

CATEGORY	BASE NO.	STATION	EQUIP. LOCATION	* 204.0195 REMOVING CONCRETE BASES EACH	SPV.0060.07 STREET LIGHT REMOVAL EACH
0030	EXLP-0101	108+30	16.2' LT	1	1
	EXLP-1701	18+20 B	34.1' LT	1	1
			SUBTOTALS (0030)	2	2
0060	EXLP-0601	140+80	10.5' RT	1	1
	EXLP-1101	171+48	26.2' RT	1	1
	EXLP-1801	51+02 G	3.8' RT	1	1
	EXLP-1901	51+01 Q	29.8' LT	1	1
			SUBTOTALS (0060)	4	4
			TOTALS	6	6

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

LIGHTING PULL BOXES

CATEGORY	PULL BOX NUMBER	LOCATION STATION	LOCATION OFFSET	* SPV.0060.26 ELECTRICAL PULLBOX TYPE I- CITY OF MADISON EACH	653.0140 PULL BOXES STEEL 24X42-INCH EACH
0030	PB-0101	108+51	16.2' LT	1	---
	PB-0102	109+11 NB	12.5' LT	1	---
	PB-0301	121+06	16.5' LT	1	---
	PB-0302	121+95	13.0' LT	1	---
	PB-0401	127+52	17.1' LT	1	---
	PB-0402	127+57 SB	30.7' LT	1	---
	PB-0403	129+78 SB	30.3' LT	1	---
	PB-0404	129+75	8.9' LT	1	---
	PB-0405	129+70	28.0' RT	1	---
	PB-0406	16+77 B	25.1' LT	1	---
	PB-0407	16+90 B	49.7' RT	1	---
	PB-0408	127+41	31.4' RT	1	---
			SUBTOTALS (0030)	12	--
0060	PB-0601	139+90	23.5' LT	---	1
	PB-0602	139+98	30.6' RT	---	1
	PB-0603	50+42 G	38.1' RT	---	1
	PB-0604	50+35 G	9.4' RT	---	1
	PB-0605	50+38 G	21.9' LT	---	1
	PB-0606	141+55	30.6' RT	---	1
	PB-0607	141+58	20.7' LT	---	1
	PB-0608	141+30 SB	37.7' LT	---	1
	PB-0609	138+54	34.2' RT	---	1
	PB-0701	148+64	16.6' LT	---	1
	PB-0702	149+52	13.8' LT	---	1
	PB-1001	165+66	16.3' LT	---	1
	PB-1002	166+62	13.1' LT	---	1
	PB-1101	170+60	10.9' LT	---	1
	PB-1102	170+74	31.2' RT	---	1
	PB-1103	50+25 Q	47.1' RT	---	1
	PB-1104	50+19 Q	10.6' RT	---	1
	PB-1105	50+13 Q	22.0' LT	---	1
	PB-1106	172+73	28.1' RT	---	1
	PB-1107	172+77	6.0' LT	---	1
	PB-1108	172+60 SB	33.4' LT	---	1
	PB-1201	175+05	11.9' LT	---	1
	PB-1202	175+69	5.0' LT	---	1
	PB-1203	177+05 NB	9.6' LT	---	1
	PB-1204	177+48	11.3' LT	---	1
			SUBTOTALS (0060)	--	25
			TOTALS	12	25

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

STREET LIGHTING SUMMARY

CATEGORY	LP. NO.	STATION	LOCATION	SPV.0060.18 LUMINAIRES DOUBLE ARM LED-CITY OF MADISON EACH	SPV.0060.20 LUMINAIRES DOUBLE ARM LED-CITY OF MIDDLETON EACH	* SPV.0060.22 POLES 30-FT 11 GAUGE, SIMPLEX-CITY OF MADISON EACH	* SPV.0060.23 POLES 30-FT-CITY OF MIDDLETON EACH	* SPV.0060.24 CONCRETE BASE TYPE LB-3-CITY OF MADISON EACH	* 654.0105 CONCRETE BASES TYPE 5 EACH	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG (GROUND) LF
0030	LP-0100(EAST/WEST)	108+04	15.4'LT	1	-	1	-	1	-	112	28
	LP-0101(EAST/WEST)	109+73	8.8'LT	1	-	1	-	1	-	112	28
	LP-0102(EAST/WEST)	111+54	5.1'LT	1	-	1	-	1	-	112	28
	LP-0103(EAST/WEST)	113+33	4.7'LT	1	-	1	-	1	-	112	28
	LP-0201(EAST/WEST)	115+11	5.1'LT	1	-	1	-	1	-	112	28
	LP-0202(EAST/WEST)	117+03	6.7'LT	1	-	1	-	1	-	112	28
	LP-0203(EAST/WEST)	118+74	9.6'LT	1	-	1	-	1	-	112	28
	LP-0301(EAST/WEST)	120+54	15.4'LT	1	-	1	-	1	-	112	28
	LP-0302(EAST/WEST)	122+35	10.7'LT	1	-	1	-	1	-	112	28
	LP-0303(EAST/WEST)	124+13	10.6'LT	1	-	1	-	1	-	112	28
	LP-0304(EAST/WEST)	125+95	9.8'LT	1	-	1	-	1	-	112	28
	LP-0404(EAST/WEST)	131+38	9.5'LT	1	-	1	-	1	-	112	28
	LP-0501(EAST/WEST)	132+77	7.3'LT	1	-	1	-	1	-	112	28
	LP-0502(EAST/WEST)	134+54	6.8'LT	1	-	1	-	1	-	112	28
			SUBTOTALS (0030)	14	--	14	--	14	--	1,568	392
0060	LP-0503(EAST/WEST)	136+53	10.3'LT	-	1	-	1	-	1	112	28
	LP-0601(EAST/WEST)	138+47	9.0'LT	-	1	-	1	-	1	112	28
	LP-0602(EAST/WEST)	139+74	13.0'LT	-	1	-	1	-	1	112	28
	LP-0604(NORTH/SOUTH)	50+43 G	7.5'RT	-	1	-	1	-	1	112	28
	LP-0606(EAST/WEST)	141+74	16.4'LT	-	1	-	1	-	1	112	28
	LP-0607(EAST/WEST)	143+51	9.9'LT	-	1	-	1	-	1	112	28
	LP-0701(EAST/WEST)	145+05	10.4'LT	-	1	-	1	-	1	112	28
	LP-0702(EAST/WEST)	146+71	11.4'LT	-	1	-	1	-	1	112	28
	LP-0703(EAST/WEST)	148+35	15.7'LT	-	1	-	1	-	1	112	28
	LP-0704(EAST/WEST)	149+83	9.8'LT	-	1	-	1	-	1	112	28
	LP-0801(EAST/WEST)	151+38	5.6'LT	-	1	-	1	-	1	112	28
	LP-0802(EAST/WEST)	153+14	4.8'LT	-	1	-	1	-	1	112	28
	LP-0803(EAST/WEST)	154+90	5.0'LT	-	1	-	1	-	1	112	28
	LP-0901(EAST/WEST)	157+00	5.2'LT	-	1	-	1	-	1	112	28
	LP-0902(EAST/WEST)	159+01	3.8'LT	-	1	-	1	-	1	112	28
	LP-0903(EAST/WEST)	160+95	10.3'LT	-	1	-	1	-	1	112	28
	LP-1001(EAST/WEST)	162+85	10.4'LT	-	1	-	1	-	1	112	28
	LP-1002(EAST/WEST)	164+69	15.8'LT	-	1	-	1	-	1	112	28
	LP-1003(EAST/WEST)	166+69	12.1'LT	-	1	-	1	-	1	112	28
	LP-1101(EAST/WEST)	168+46	10.5'LT	-	1	-	1	-	1	112	28
	LP-1102(EAST/WEST)	170+40	13.9'LT	-	1	-	1	-	1	112	28
	LP-1103(NORTH/SOUTH)	50+16 Q	11.9'RT	-	1	-	1	-	1	112	28
	LP-1105(EAST/WEST)	172+87	5.5'LT	-	1	-	1	-	1	112	28
	LP-1201(EAST/WEST)	174+81	10.8'LT	-	1	-	1	-	1	112	28
	LP-1202(EAST/WEST)	176+73	6.9'LT	-	1	-	1	-	1	112	28
			SUBTOTALS (0060)	--	25	--	25	--	25	2,800	700
			ITEM TOTALS	14	25	14	25	14	25	5,460	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

STREET LIGHTING SUMMARY

CATEGORY	LP. NO.	STATION	LOCATION	SPV.0060.17 LUMINAIRES SINGLE ARM LED-CITY OF MADISON EACH	SPV.0060.19 LUMINAIRES SINGLE ARM LED-CITY OF MIDDLETON EACH	* SPV.0060.22 POLES 30-FT 11 GAUGE, SIMPLEX CITY OF MADISON EACH	* SPV.0060.23 POLES 30-FT CITY OF MIDDLETON EACH	* SPV.0060.24 CONCRETE BASE TYPE LB-3 CITY OF MADISON EACH	* 654.0105 CONCRETE BASES TYPE 5 EACH	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG (GROUND) LF
0030	LP-0401	14+60 B	23.8' RT	1	-	1	-	1	-	72	36
	LP-0402	14+86 B	50.3' LT	1	-	1	-	1	-	72	36
	LP-0403	129+66 SB	31.2' LT	1	-	1	-	1	-	72	36
	LP-0405	129+33	28.7' RT	1	-	1	-	1	-	72	36
	LP-0406	17+10 B	23.0' LT	1	-	1	-	1	-	72	36
	LP-0407	16+95 B	45.7' RT	1	-	1	-	1	-	72	36
	LP-0408	127+52	30.0' RT	1	-	1	-	1	-	72	36
	LP-0409	127+92 SB	33.4' LT	1	-	1	-	1	-	72	36
	LP-1601	12+96 B	19.8' LT	1	-	1	-	1	-	72	36
	LP-1701	18+15 B	26.2' LT	1	-	1	-	1	-	72	36
			SUBTOTALS(0030)	10	--	10	--	10	--	720	360
0060	LP-0603	140+13	35.1' RT	-	1	-	1	-	1	72	36
	LP-0605	140+85 SB	48.2' LT	-	1	-	1	-	1	72	36
	LP-1104	171+92 SB	39.2' LT	-	1	-	1	-	1	72	36
			SUBTOTALS (0060)	--	3	--	3	--	3	216	108
			ITEM TOTALS	10	3	10	3	10	3	1,404	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

LIGHTING CONTROL CABINET SUMMARY

CATEGORY	LOCATION	SPV.0060.21 LIGHTING CONTROL CABINET-CITY OF MADISON EACH	SPV. 0060.25 CONCRETE BASE TYPE P-CITY OF MADISON EACH	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30 EACH	659.2130 LIGHTING CONTROL CABINETS 120/240 30-INCH EACH
0030	LC-01	1	1	-	-
	SUBTOTALS (0030)	1	1	-	-
0060	LC-02	-	-	1	1
	LC-03	-	-	1	1
	SUBTOTALS (0060)	--	--	2	2
	TOTALS	1	1	2	2

STREET LIGHTING WIRE SUMMARY

CATEGORY	LOCATION FROM	LOCATION TO	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	* 655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	655.0615 ELECTRICAL WIRE LIGHTING 10 AWG LF
0030					
	EXLP-0102	LP-0100(EAST)	---	302	---
	LP-0100(EAST)	LP-0101(WEST)	---	382	---
	LP-0101(WEST)	LP-0102(EAST)	---	372	---
	LP-0102(EAST)	LP-0103(WEST)	---	372	---
	LP-0103(WEST)	LP-0201(EAST)	---	368	---
	LP-0201(EAST)	LP-0202(WEST)	---	396	---
	LP-0202(WEST)	LP-0203(EAST)	---	356	---
	LP-0203(EAST)	LP-0301(WEST)	---	374	---
	LP-0301(WEST)	LP-0302(EAST)	---	398	---
	LP-0302(EAST)	LP-0303(WEST)	---	370	---
	LP-0303(WEST)	LP-0304(EAST)	---	372	---
	LP-0304(EAST)	LC-01	---	926	---
	LP-0100(WEST)	LP-0101(WEST)	---	382	---
	LP-0101(EAST)	LP-0102(WEST)	---	372	---
	LP-0102(WEST)	LP-0103(EAST)	---	372	---
	LP-0103(EAST)	LP-0201(WEST)	---	368	---
	LP-0201(WEST)	LP-0202(EAST)	---	396	---
	LP-0202(EAST)	LP-0203(WEST)	---	356	---
	LP-0203(WEST)	LP-0301(EAST)	---	374	---
	LP-0301(EAST)	LP-0302(WEST)	---	398	---
	LP-0302(WEST)	LP-0303(EAST)	---	370	---
	LP-0303(EAST)	LP-0304(WEST)	---	372	---
	LP-0304(WEST)	LC-01	---	926	---
	LC-01	LP-1701	364	--	---
	LP-0401	LP-0408	480	---	---
	LP-0408	LP-0406	436	---	---
	LP-0406	LC-01	158	---	---
	LC-01	LP-0403	516	---	---
	LP-0403	LP-0404(EAST)	462	---	---
	LP-0404(EAST)	LP-0501(WEST)	292	---	---
	LP-0501(WEST)	LP-0502(EAST)	366	---	---
	LP-0409	LP-0407	530	---	---
	LP-0407	LC-01	250	---	---
	LC-01	LP-0405	234	---	---
	LP-0405	LP-0402	468	---	---
	LP-0402	LP-1601	426	---	---
	LP-0405	LP-0404(WEST)	512	---	---
	LP-0404(WEST)	LP-0501(EAST)	292	---	---
	LP-0501(EAST)	LP-0502(WEST)	366	---	---
		SUBTOTALS (0030)	6,152	9,674	--
0060	LP-0503(EAST)	LP-0601(WEST)	---	---	392
	LP-0601(WEST)	LP-0602(EAST)	---	---	276
	LP-0602(EAST)	LC-02	---	---	486
	LC-02	LP-0604(SOUTH)	---	---	636
	LP-0604(SOUTH)	LP-0605	---	---	684
	LP-0605	LP-0606(EAST)	---	---	314
	LP-0606(EAST)	LP-0607(WEST)	---	---	370
	LP-0607(WEST)	LP-0701(EAST)	---	---	322
	LP-0503(WEST)	LP-0601(EAST)	---	---	392
	LP-0601(EAST)	LP-0602(WEST)	---	---	276
	LP-0602(WEST)	LC-02	---	---	486
	LC-02	LP0603	---	---	376
	LP0603	LP-0604(NORTH)	---	---	272
	LP-0604(NORTH)	LP-0606(WEST)	---	---	462

CON'T ON RIGHT

STREET LIGHTING WIRE SUMMARY (CON'T)

CATEGORY	LOCATION FROM	LOCATION TO	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	* 655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	655.0615 ELECTRICAL WIRE LIGHTING 10 AWG LF
0060 (CON'T)	LP-0606(WEST)	LP-0607(EAST)	---	---	370
	LP-0607(EAST)	LP-0701(WEST)	---	---	322
	LC-02	LP-0702(WEST)	---	2,016	---
	LP-0702(WEST)	LP-0703(EAST)	---	340	---
	LP-0703(EAST)	LP-0704(WEST)	---	644	---
	LP-0704(WEST)	LP-0801(EAST)	---	322	---
	LP-0801(EAST)	LP-0802(WEST)	---	364	---
	LP-0802(WEST)	LP-0803(EAST)	---	364	---
	LP-0803(EAST)	LP-0901(WEST)	---	430	---
	LC-02	LP-0702(EAST)	---	2,016	
	LP-0702(EAST)	LP-0703(WEST)	---	340	---
	LP-0703(WEST)	LP-0704(EAST)	---	644	---
	LP-0704(EAST)	LP-0801(WEST)	---	322	---
	LP-0801(WEST)	LP-0802(EAST)	---	364	---
	LP-0802(EAST)	LP-0803(WEST)	---	364	---
	LP-0803(WEST)	LP-0901(EAST)	---	430	---
	LP-0902(EAST)	LP-0903(WEST)	---	---	400
	LP-0903(WEST)	LP-1001(EAST)	---	---	390
	LP-1001(EAST)	LP-1002(WEST)	---	---	382
	LP-1002(WEST)	LP-1003(EAST)	---	---	442
	LP-1003(EAST)	LP-1101(WEST)	---	---	370
	LP-1101(WEST)	LP-1102(EAST)	---	---	410
	LP-1102(EAST)	LC-03	---	---	216
	LP-0902(WEST)	LP-0903(EAST)	---	---	400
	LP-0903(EAST)	LP-1001(WEST)	---	---	390
	LP-1001(WEST)	LP-1002(EAST)	---	---	382
	LP-1002(EAST)	LP-1003(WEST)	---	---	442
	LP-1003(WEST)	LP-1101(EAST)	---	---	370
	LP-1101(EAST)	LP-1102(WEST)	---	---	410
	LP-1102(WEST)	LC-03	---	---	216
	LC-03	LP-1103(SOUTH)	344	---	---
	LP-1103(SOUTH)	LP-1105(EAST)	468	---	---
	LP-1105(EAST)	LP-1104	268	---	---
	LP-1105(EAST)	LP-1201(WEST)	400	---	---
	LP-1201(WEST)	LP-1202(EAST)	416	---	---
	LP-1202(EAST)	LP-1203(WEST)	412	---	---
	LC-03	LP-1103(NORTH)	344	---	---
	LP-1103(NORTH)	LP-1105(WEST)	468	---	---
	LP-1105(WEST)	LP-1201(EAST)	400	---	---
	LP-1201(EAST)	LP-1202(WEST)	416	---	---
	LP-1202(WEST)	LP-1203(EAST)	418	---	---
		SUBTOTALS (0060)	4,354	8,960	11,656
		TOTALS	10,506	18,634	11,656

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

EQUIPMENT GROUNDING AND GROUNDED CONDUCTORS

CATEGORY	LOCATION FROM	LOCATION TO	* 655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	REMARKS
0030	LP-0100(EAST/WEST)	LP-0101(EAST/WEST)	191	
	LP-0100(EAST/WEST)	EXLP-0102	151	
	LP-0101(EAST/WEST)	LP-0102(EAST/WEST)	186	
	LP-0102(EAST/WEST)	LP-0103(EAST/WEST)	186	
	LP-0103(EAST/WEST)	LP-0201(EAST/WEST)	184	
	LP-0201(EAST/WEST)	LP-0202(EAST/WEST)	198	
	LP-0202(EAST/WEST)	LP-0203(EAST/WEST)	178	
	LP-0203(EAST/WEST)	LP-0301(EAST/WEST)	187	
	LP-0301(EAST/WEST)	LP-0302(EAST/WEST)	199	
	LP-0302(EAST/WEST)	LP-0303(EAST/WEST)	185	
	LP-0303(EAST/WEST)	LP-0304(EAST/WEST)	186	
	LP-0304(EAST/WEST)	LP-0409	252	
	LP-0409	LP-0401	92	
	LP-0409	LP-0408	154	
	LP-0408	LP-0407	117	
	LP-0407	LP-0406	129	
	LP-0406	LP-1701	103	
	LP-0406	LP-0405	104	
	LP-0405	LP-0403	147	
	LP-0403	LP-0402	96	
	LP-0402	LP-1601	213	
	LP-0403	LP-0404(EAST/WEST)	231	
	LP-0404(EAST/WEST)	LP-0501(EAST/WEST)	146	
	LP-0501(EAST/WEST)	LP-0502(EAST/WEST)	183	
	LC-01	LP-0406	79	
		SUBTOTAL (0030)	4,077	
0060	LP-0503(EAST/WEST)	LP-0601(EAST/WEST)	196	
	LP-0601(EAST/WEST)	LP-0602(EAST/WEST)	138	
	LP-0602(EAST/WEST)	LP-0603	121	
	LP-0603	LP-0604(NORTH/SOUTH)	136	
	LP-0604(NORTH/SOUTH)	LP-0606(NORTH/SOUTH)	231	
	LP-0606(NORTH/SOUTH)	LP-605	157	
	LP-0606(NORTH/SOUTH)	LP-0607(EAST/WEST)	185	
	LP-0607(EAST/WEST)	LP-0701(EAST/WEST)	161	
	LP-0701(EAST/WEST)	LP-0702(EAST/WEST)	171	
	LP-0702(EAST/WEST)	LP-0703(EAST/WEST)	170	
	LP-0703(EAST/WEST)	LP-0704(EAST/WEST)	167	
	LP-0704(EAST/WEST)	LP-0801(EAST/WEST)	161	
	LP-0801(EAST/WEST)	LP-0802(EAST/WEST)	182	
	LP-0802(EAST/WEST)	LP-0803(EAST/WEST)	182	
	LP-0803(EAST/WEST)	LP-0901(EAST/WEST)	215	
	LC-02	LP-0603	188	
	PB-0601	LP-0602(EAST/WEST)	32	
	PB-0602	LP-0603	38	
	PB-0603	LP-0602(NORTH/SOUTH)	56	
	PB-0604	LP-0602(NORTH/SOUTH)	20	
	PB-0605	LP-0602(NORTH/SOUTH)	58	
	PB-0606		19	PULL BOX IS SPLICED DIRECTLY TO GROUND
	PB-0607	LP-0606(EAST/WEST)	28	
	PB-0608		19	PULL BOX IS SPLICED DIRECTLY TO GROUND
	PB-0609		19	PULL BOX IS SPLICED DIRECTLY TO GROUND
	PB-0701	LP-0703(EAST/WEST)	41	
	PB-0702	LP-0704(EAST/WEST)	42	
	LP-0902	LP-0903(EAST/WEST)	200	

CON'T ON RIGHT

EQUIPMENT GROUNDING AND GROUNDED CONDUCTORS (CON'T)

CATEGORY	LOCATION FROM	LOCATION TO	* 655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	REMARKS
0060 (CON'T)	LP-0903(EAST/WEST)	LP-1001(EAST/WEST)	195	
	LP-1001(EAST/WEST)	LP-1002(EAST/WEST)	191	
	LP-1002(EAST/WEST)	LP-1003(EAST/WEST)	221	
	LP-1003(EAST/WEST)	LP-1101(EAST/WEST)	185	
	LP-1101(EAST/WEST)	LP-1102(EAST/WEST)	205	
	LP-1102(EAST/WEST)	LP-1103(NORTH/SOUTH)	226	
	LP-1103(NORTH/SOUTH)	LP-1105(EAST/WEST)	226	
	LP-1105(EAST/WEST)	LP-1104	134	
	LP-1105(EAST/WEST)	LP-1201(EAST/WEST)	200	
	LP-1201(EAST/WEST)	LP-1202(EAST/WEST)	208	
	LP-1202(EAST/WEST)	LP-1203(EAST/WEST)	209	
	LC-03	LP-1102(EAST/WEST)	108	
	PB-0101		19	PULL BOX IS SPLICED DIRECTLY TO GROUND
	PB-1001		19	PULL BOX IS SPLICED DIRECTLY TO GROUND
	PB-1002	LP-1003(EAST/WEST)	18	
	PB-1101	LP-1102(EAST/WEST)	34	
	PB-1102		19	PULL BOX IS SPLICED DIRECTLY TO GROUND
	PB-1103	LP-1103(EAST/WEST)	62	
	PB-1104	LP-1103(EAST/WEST)	18	
	PB-1105	LP-1103(EAST/WEST)	58	
	PB-1106	LP-1105(EAST/WEST)	61	
	PB-1107	LP-1105(EAST/WEST)	21	
	PB-1108	LP-1105(EAST/WEST)	69	
	PB-1201	LP-1201(EAST/WEST)	34	
	PB-1202		19	PULL BOX IS SPLICED DIRECTLY TO GROUND
	PB-1203	LP-1202(EAST/WEST)	44	
	PB-1204		19	PULL BOX IS SPLICED DIRECTLY TO GROUND
		SUBTOTAL (0060)	6,155	
		TOTAL	10,232	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT)

CATEGORY	PROJECT	650.8500 LS
0030	5992-11-01	0.4
0060	5992-11-01	0.6
	TOTAL	1

FIBER CABLE AND PULL BOX SUMMARY

CATEGORY	PULL BOX NUMBER	LOCATION STATION	LOCATION OFFSET	SPV.0060.26 ELECTRICAL PULLBOX TYPE I- CITY OF MADISON EACH *	SPV.0060.70 ELECTRICAL PULLBOX TYPE V- CITY OF MADISON EACH	SPV.0060.71 ELECTRICAL PULLBOX TYPE VII- CITY OF MADISON EACH	SPV.0090.33 FIBER OPTIC CABLE 144-COUNT LF *	REMARKS
0170	FPB-0101	108+35	18' LT	---	---	1	75	FIBER SLACK WITHIN PULL BOX
	FPB-0102	112+00	7' LT	1	---	---	---	
	FPB-0201	115+50	7' LT	---	1	---	150	FIBER SLACK WITHIN PULL BOX
	FPB-0202	119+00	13' LT	1	---	---	---	
	FPB-0301	122+50	14' LT	---	1	---	150	FIBER SLACK WITHIN PULL BOX
	FPB-0302	126+00	13' LT	1	---	---	---	
	FPB-0401	127+47 SB	3.5' RT	1	---	---	---	
	FPB-0402	127+30	36' RT	1	---	---	---	
	FPB-0403	16+87 B	55.8' RT	1	---	---	---	
	FPB-0404	16+68 B	23.5' LT	1	---	---	---	
	FPB-0405	129+76	31' RT	---	---	1	150	FIBER SLACK WITHIN PULL BOX
	FPB-0406	129+80 SB	4.5' RT	1	---	---	---	
	FPB-0501	133+00	10' LT	1	---	---	---	
	FPB-0502	135+50	9' LT	1	---	---	---	
	FPB-0503	135+50	35.5' RT	1	---	---	---	
	FPB-0601	138+25	34' RT	---	---	1	150	FIBER SLACK WITHIN PULL BOX
			TOTALS	11	2	3	675	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

FIBER CONDUIT AND CABLE SUMMARY

CATEGORY	LOCATION FROM	LOCATION TO	SPV.0090.33 FIBER OPTIC CABLE 144-COUNT LF *	652.0235 CONDUIT RIDGID NONMETALLIC SCHEDULE 40 3-INCH LF *
0170	FPB-0101	FPB-0102	364	364
	FPB-0102	FPB-0201	350	350
	FPB-0201	FPB-0202	347	347
	FPB-0202	FPB-0301	350	350
	FPB-0301	FPB-0302	341	341
	FPB-0302	FPB-0401	148	148
	FPB-0401	FPB-0402	51	51
	FPB-0402	FPB-0403	100	100
	FPB-0403	FPB-0404	80	80
	FPB-0404	FPB-0405	101	101
	FPB-0405	FPB-0406	42	42
	FPB-0406	FPB-0501	316	316
	FPB-0501	FPB-0502	247	247
	FPB-0502	FPB-0503	41	41
	FPB-0503	FPB-0601	281	281
		TOTALS	3,159	3,159

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING CONCRETE BASES SUMMARY

CATEGORY	INTERSECTION	PULL BOX NO.	STATION	LOCATION	*204.0195 REMOVING CONCRETE BASES EACH
0020	PLEASANT VIEW ROAD & BLACKHAWK ROAD	EXCB-1	129+10	33' RT	1
		EXCB-2	128+56	45' RT	1
		EXCB-3	128+15	46' LT	1
		EXCB-4	127+86	55' LT	1
		EXCB-5	128+77	97' LT	1
		EXCB-6	129+43	12' LT	1
				TOTAL	6

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING PULL BOXES SUMMARY

CATEGORY	INTERSECTION	PULL BOX NO.	STATION	LOCATION	653.0905 REMOVING PULL BOXES EACH
0020	PLEASANT VIEW ROAD & BLACKHAWK ROAD	EXPB-1	129+11	37' RT	1
		EXPB-2	128+59	51' RT	1
				TOTAL	2

SPV.0060.73

REMOVE TRAFFIC SIGNALS, PLEASANT VIEW ROAD & BLACKHAWK ROAD

CATEGORY	INTERSECTION	EACH
0020	PLEASANT VIEW ROAD & BLACKHAWK ROAD	1
	TOTALS	1

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS

CATEGORY	LOCATION	661.0200.01 PLEASANT VIEW ROAD & BLACKHAWK ROAD LS
0020	PLEASANT VIEW ROAD & BLACKHAWK ROAD	1
	TOTALS	1

PROPERTY CORNERS

CATEGORY	STATION	LOCATION	SPV.0060.08 LOCATE AND REFERENCE PROPERTY CORNERS EACH	SPV.0060.09 RESET PROPERTY CORNERS EACH
0010	112+99.	LT	1	1
	116+15.2	LT	1	1
	118+32.6	LT	1	1
	120+27.	LT	1	1
	127+66.4	LT	1	1
	129+32.8	RT	1	1
	134+71.7	RT	1	1
	137+49.2	RT	1	1
	140+05.6	RT	1	1
	50+02.8G	RT	1	1
	51+00.4G	RT	1	1
	SUBTOTALS CATEGORY 0010		11	11
0060	141+33.4	RT	1	1
	141+61.5	LT	1	1
	51+16.6G	LT	1	1
	153+47.2	RT	1	1
	155+45.8	RT	1	1
	159+01.7	RT	1	1
	162+15.9	LT	1	1
	165+03.8	LT	1	1
	165+09.8	RT	1	1
	167+72.1	LT	1	1
	169+27.6	RT	1	1
	50+34.8Q	LT	1	1
	172+05.09	RT	1	1
	172+29.6	RT	1	1
	172+37.	RT	1	1
	174+44.4	RT	1	1
	SUBTOTALS CATEGORY 0060		16	16
	TOTALS		27	27

SAWING

CATEGORY	STATION - STATION	LOCATION	*690.0150 ASPHALT LF	*690.0250 CONCRETE LF
0010	106+31.41 - 108+32.	SOUTHBOUND MEDIAN	200	---
	107+00. - 108+32.	NORTHBOUND MEDIAN	130	---
	108+32. - 108+32.	NB	44	5
	108+32. - 108+32.	SB	34	---
	108+47.7 - 111+37.9	TEMP WIDENING RT	290	---
	108+64.6 - 108+92.4	TIMBER WOLF TR	28	10
	111+20. - 111+20.	P.E. LT	---	31
	116+61. - 119+08.9	TEMP WIDENING RT	245	---
	121+52. - 121+52.	C.E. LT	23	10
	121+54. - 126+22.	TEMP WIDENING RT	475	---
	9+71.06B - 10+71.25B	BLACKHAWK RD RT	100	---
	10+71.25B - 10+71.25B	BLACKHAWK RD	30	3
	11+41B - 11+41B	C.E. LT	28	3
	11+41.7B - 11+41.7B	SIDEWALK RT	---	5
	20+58B - 20+58B	C.E. LT	---	34
		UNDISTRIBUTED	325	20
	SUBTOTALS CATEGORY 0010		1,952	121
0060	129+99. - 155+80.	TEMP WIDENING LT	2,570	---
	51+50G - 51+50G	C.E. RT	21	5
	51+57G - 51+57G	C.E. LT	27	---
	52+25.73G - 52+25.73G	GREENWAY BLVD	24	5
	52+30.4G - 52+30.4G	SIDEWALK LT	---	5
	53+38.58G - 5487.70G	GREENWAY BLVD	165	5
	149+15. - 149+15.	C.E. LT	21	---
	42+33.72BP - 42+33.72BP	BIKEPATH	10	---
	155+50. - 155+50.	C.E. LT	53	---
	166+00. - 170+87.	TEMP WIDENING RT	480	---
	51+30Q - 51+30Q	C.E. LT	40	5
	51+57Q - 51+57Q	QUARRY RD	60	5
	172+15. - 178+00.	TEMP WIDENING RT	595	---
	173+65. - 173+65.	C.E. LT	51	---
	173+96.1 - 178+00.	C.E. RT	580	---
		UNDISTRIBUTED	940	6
	SUBTOTALS CATEGORY 0060		5,637	36
	TOTALS		7,589	157

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

PAVEMENT CLEANUP

CATEGORY	LOCATION	SPV.0170.01 STA
0010	PLEASANT VIEW ROAD	50
	BLACKHAWK ROAD	9
	SUBTOTAL CATEGORY 0010	59
0060	PLEASANT VIEW ROAD	90
	GREENWAY BOULEVARD	4
	QUARRY ROAD	2
	SUBTOTAL CATEGORY 0060	96
	TOTAL	155

SEISMOGRAPH

CATEGORY	PROJECT	999.1001.S EACH
0060	01. 5992-11-01	1
	TOTAL	1

UTILITY LINE OPENING (ULO)

CATEGORY	STATION	LOCATION	SPV.0060.05 EACH
0010	111+03.	LT	1
	116+06.	RT	1
	116+30.	RT	1
	116+65.	LT	1
	118+31.	LT	1
	125+39.	LT	1
	126+36.	LT	1
	127+69.	LT	1
	129+21.	RT	1
	129+50.	LT	1
	131+21.	RT	1
	137+50.	RT	1
	139+30.	RT	1
	140+52.	RT	1
	14+51.B	RT	1
	50+11.G	RT	1
		UNDISTRIBUTED	5
	SUBTOTAL CATEGORY 0010		21
0060	142+95.	RT	1
	163+08.	RT	1
	164+45.	RT	1
	165+60.	RT	1
	168+00.	RT	1
	50+17.Q	RT	1
	174+45.	RT	1
		UNDISTRIBUTED	3
	SUBTOTAL CATEGORY 0060		10
	TOTAL		31

MILLING AND REMOVING LONGITUDINAL JOINT

CATEGORY	LOCATION	SPV.0090.35 MILLING AND REMOVING LONGITUDINAL JOINT LF
0010	UNDISTRIBUTED	500
0060	UNDISTRIBUTED	1000
	TOTALS	1500

BASE AGGREGATE DENSE

CATEGORY	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON
0160	SWALLOWTAIL POND	187	436

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

STORM SEWER REMOVAL ITEMS

CATEGORY	LOCATION	* 204.0245.03 REMOVING STORM SEWER 18-INCH LF	204.0245.06 REMOVING STORM SEWER 36-INCH LF	204.0245.07 REMOVING STORM SEWER 24x38-INCH LF	* 204.9060.S.01 REMOVING APRON ENDWALLS EACH	204.9060.S.02 REMOVING STORM SEWER OUTLET CONTROL STRUCTURE LS	* 201.0120 CLEARING ID	* 201.0220 GRUBBING ID
0160	SWALLOWTAIL POND	45	26	48	3	1	1.680	1.680
	TOTALS	45	26	48	3	1	1.680	1.680

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

STORM SEWER PIPE REINFORCED CONCRETE

CATEGORY	FROM STRUCTURE	TO STRUCTURE	* 608.0412 CLASS IV 12-INCH LF	* 608.0415 CLASS IV 15-INCH LF	* 608.0418 CLASS IV 18-INCH LF	* 608.0436 CLASS IV 36-INCH LF	* 608.0448 CLASS IV 48-INCH LF	* 520.8000 CONCRETE COLLARS FOR PIPE EACH
0160	MH-1	AEW-1	---	---	---	36	---	---
	MH-2	AEW-2	---	---	---	---	34	---
	CONNECT	MH-3	---	---	20	---	---	1
	MH-3	AEW-3	---	---	9	---	---	---
	OUT CONTROL	AEW-4	10	---	---	---	---	---
	OUT CONTROL	AEW-5	---	14	---	---	---	---
	TOTALS		10	14	29	36	34	1

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

MANHOLES SUMMARY

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET	* 611.2004 MANHOLES 4-FT DIAMETER EACH	* 611.2005 MANHOLES 5-FT DIAMETER EACH	* 611.2007 MANHOLES 7-FT DIAMETER EACH	* 611.0530 MANHOLE COVERS TYPE J EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0160	MH-1	116+85.2 PV	575.4'LT	---	1	---	1	1
	MH-2	115+29.9 PV	250.9'LT	---	---	1	1	1
	MH-3	118+49.6 PV	296.0'LT	1	---	---	1	1
		TOTALS		1	1	1	3	3

*ADDITIONAL QUANTITIES LISTED ELSEWHERE.

APRON ENDWALL SUMMARY

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH EACH	* 522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	* 522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH EACH	* 522.1048 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 48-INCH EACH	* SPV.0060.13 CONCRETE CUTOFF WALL EACH	* 611.9800.S PIPE GRATES EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0160	AEW 1	117+15.6 PV	489.8'LT	---	---	---	1	---	1	1	1
	AEW 2	115+73.6 PV	233.4'LT	---	---	---	---	1	1	1	1
	AEW 3	118+29.0 PV	300.5'LT	---	---	1	---	---	1	1	1
	AEW 4	116+82.8 PV	153.6'LT	---	1	---	---	---	1	1	1
	AEW 5	116+88.9 PV	145.6'LT	1	---	---	---	---	1	1	1
		TOTALS		1	1	1	1	1	5	5	5

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

POND SUMMARY

CATEGORY	LOCATION	SPV.0035.02 FIELD STONE RIPRAP D50, 1.5-FT CY	SPV.0035.03 FIELD STONE RIPRAP D50, 1-FT CY	SPV.0035.04 PARTIALLY GROUTED FIELD STONE RIPRAP D50, 2-FT CY	SPV.0035.05 PARTIALLY GROUTED FIELD STONE RIPRAP D50, 1.5-FT CY	* 645.0120 GEOTEXTILE TYPE HR SY	628.7515.S STONE DITCH CHECK CY	645.0130 GEOTEXTILE TYPE R SY	SPV.0060.12 CLAY ANTI-SEEPAGE COLLAR TWIN 48-INCH SSPRC EACH	SPV.0060.63 SWALLOWTAIL POND OUTLET CONTROL STRUCTURE EACH	SPV.0060.14 PYRAMIDAL INLET GRATE 8X18 EACH	SPV.0060.64 POND DEWATERING SWALLOWTAIL POND EACH	* SPV.0060.72 CONSTRUCTION STAKING STORMWATER MANAGEMENT PONDS EACH	* 628.7005 INLET PROTECTION TYPE A EA	* 628.7504 TEMPORARY DITCH CHECKS LF	* SPV.0060.11 CLAY ANTI-SEEPAGE COLLAR EACH
0160	SWALLOWTAIL POND	397	237	181	42	1500	21	60	1	1	1	1	1	3	1650	2
	TOTALS	397	237	181	42	1500	21	60	1	1	1	1	1	3	1650	2

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

POND RESTORATION SUMMARY

CATEGORY	LOCATION	* 625.0100 TOPSOIL SY	* 628.2027 EROSION MAT CLASS II TYPE C SY	* 628.2039 EROSION MAT CLASS III TYPE D SY	* 630.0500 SEED WATER MGAL	* SPV.0120.01 WATER FOR DETENTION POND MGAL	* 640.1303.S POND CLAY LINER CY	SPV.0180.04 DETENTION BASIN PLUG MIX SY	* 630.0110 SEEDING MIXTURE NO. 10 LB	* SPV.0085.01 DETENTION BASIN SEED MIX LB	* SPV.0085.02 TALL GRASS PRAIRIE SEED MIX LB	SPV.0180.03 ACCESS STABILIZATION GEOCELL SY
0160	SWALLOWTAIL POND	11938	10491	2808	269	2858	12200	1450	19	6	10	1413
	TOTALS	11938	10491	2808	269	2858	12200	1450	19	6	10	1413

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

FENCE SAFETY

CATEGORY	LOCATION	616.0700.S LF	REMARKS
0010	118+53.4 - 119+86.5 RT	132	ALONG CEMETERY
0160	SWALLOWTAIL POND	1,135	TREE PROTECTION
	TOTAL	1,267	

MISCELLANEOUS

CATEGORY	LOCATION	SPV.0090.06 SAWING CURB HEAD LF
0160	SWALLOWTAIL POND	15
	TOTALS	15

RUBBERIZED MEMBRANE WATERPROOFING

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET	516.0500 RUNBBERIZED MEMBRANE WATERPROOFING SY	REMARKS
0160	PV3595	116+60.2 PV	70.9'LT	17	2-FT WIDE CENTERED ON EACH MH JOINT
	PV3596	116+72.2 PV	71.9'LT	17	2-FT WIDE CENTERED ON EACH MH JOINT
			TOTALS	34	

WATER MAIN PIPES

STATION	-	STATION	CATEGORY	SPV.0090.22 WATER MAIN 20-INCH CASING PIPE LF	SPV.0090.24 CITY OF MADISON 6-INCH LF	SPV.0090.25 CITY OF MADISON 12-INCH LF	SPV.0090.26 CITY OF MIDDLETON 6-INCH LF	SPV.0090.27 CITY OF MIDDLETON 10-INCH LF	SPV.0090.28 CITY OF MIDDLETON 12-INCH LF	SPV.0090.23 12-INCH TRENCHLESS WATER MAIN LF	SPV.0090.29 SELECT FILL FOR WATER MAIN LF
109+96.01	-	109+98.40	0010	---	14	---	---	---	---	---	14
109+97.86	-	110+03.56	0010	---	---	8	---	---	---	---	8
125+68.40	-	125+77.39	0010	---	---	8	---	---	---	---	8
125+75.00	-	125+75.19	0010	---	7	---	---	---	---	---	7
127+71.60	-	127+74.42	0010	---	---	12	---	---	---	---	12
127+72.09	-	127+75.87	0010	---	9	---	---	---	---	---	9
TOTALS (CATEGORY 0010)				0	30	28	0	0	0	0	58 **
141+13.73	-	141+36.28	0030	---	---	---	28	---	---	---	28
144+45.38	-	150+00.00	0030	---	---	---	---	---	559	---	559
	144+78.50		0030	---	---	---	15	---	---	---	15
	149+29.00		0030	---	---	---	15	---	---	---	15
150+00.00	-	156+00.00	0030	---	---	---	---	---	601	---	601
	152+55.25		0030	---	---	---	26	---	---	---	26
	155+79.21		0030	---	---	---	13	---	---	---	13
156+00.00	-	162+00.00	0030	---	---	---	---	---	601	---	601
	159+25.54		0030	---	---	---	14	---	---	---	14
162+00.00	-	168+00.00	0030	---	---	---	---	---	656	---	656
	162+84.72		0030	---	---	---	15	---	---	---	15
165+78.32	-	165+79.39	0030	---	---	---	8	---	---	---	8
168+00.00	-	172+54.74	0030	---	---	---	---	---	466	---	466
169+52.54	-	169+54.24	0030	---	---	---	21	---	---	---	21
171+85.77	-	172+54.74	0030	---	---	---	---	---	115	---	115
171+89.43	-	172+05.09	0030	---	---	---	27	---	---	---	27
172+54.74	-	174+00.00	0030	---	---	---	---	---	153	---	153
173+62.86	-	173+64.68	0030	---	---	---	21	---	---	---	21
174+00.00	-	180+00.00	0030	---	---	---	---	---	588	---	588
177+79.06	-	177+79.22	0030	---	---	---	16	---	---	---	18
180+00.00	-	180+85.07	0030	---	---	---	---	---	85	---	85
180+66.71	-	180+66.87	0030	---	---	---	18	---	---	---	18
180+85.07	-	183+64.13	0030	280	---	---	---	---	---	280	280
183+35.00	-	183+88.88	0030	---	---	---	---	104	---	---	104
183+64.13	-	186+15.93	0030	---	---	---	---	---	252	---	252
185+50.00			0030	---	---	---	42	---	---	---	42
TOTALS (CATEGORY 0030)				280	0	0	279	104	4,076	280	4,741 ***
GRAND TOTALS				280	30	28	279	104	4,076	280	4,799

** CITY OF MADISON SPEC
*** CITY OF MIDDLETON SPEC

SPV.0060.61
CONSTRUCTION STAKING WATER MAIN

PROJECT ID	CATEGORY	EACH
5992-11-02	0010	0.1
5992-11-02	0030	0.9
TOTAL		1

*
619.1000
MOBILIZATION

PROJECT ID	CATEGORY	EACH
5992-11-02	0010	0.01
5992-11-02	0030	0.07
TOTAL		0.08

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

SPV.0060.62
WATER MAIN DEWATERING

PROJECT ID	CATEGORY	EACH
5992-11-02	0010	0.1
5992-11-02	0030	0.9
TOTAL		1

SPV.0035.07
WATER MAIN ROCK EXCAVATION

STATION (CENTER)	CATEGORY	CY
153+50 - 162+50	0030	808.8
153+56.50	0030	18.2
155+79.21	0030	12.3
159+25.54	0030	6.8
TOTAL		846.10

*
612.0902.S.01
INSULATION BOARD POLYSTYRENE, 2-INCH

STATION (CENTER)	CATEGORY	SY
127+69.12	0010	4
128+39.37	0010	4
128+73.51	0010	4
UNDISTRIBUTED	0010	28
SUBTOTAL (CATEGORY 0010)		40
144+18.84	0030	8
144+55.40	0030	8
144+70.06	0030	4
144+78.50	0030	4
145+74.53	0030	4
146+45.05	0030	4
148+40.05	0030	4
149+29.01	0030	4
149+45.05	0030	4
150+50.08	0030	4
152+45.05	0030	4
153+56.50	0030	4
153+71.96	0030	4
156+50.05	0030	4
158+21.72	0030	4
159+25.54	0030	4
160+45.97	0030	4
162+45.05	0030	4
162+84.72	0030	4
164+45.05	0030	4
165+90.05	0030	4
167+79.63	0030	8
168+40.05	0030	4
169+53.49	0030	4
170+22.22	0030	4
170+50.29	0030	4
172+05.09	0030	4
172+24.12	0030	4
172+39.81	0030	4
174+55.86	0030	4
175+89.48	0030	4
177+10.95	0030	4
178+03.74	0030	4
178+75.87	0030	4
180+50.87	0030	4
186+07.93	0030	4
UNDISTRIBUTED	0030	40
SUBTOTAL (CATEGORY 0030)		196
GRAND TOTALS		236

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

*
SPV.0060.05
UTILITY LINE OPENING (ULO)

LOCATION	CATEGORY	EACH
147+01.32	0030	1
UNDISTRIBUTED	0030	5
TOTAL		6

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

MISCELLANEOUS WATER MAIN ITEMS

STATION	OFFSET	CATEGORY	SPV.0060.45 SALVAGE AND RESET HYDRANT WITH AUX VALVE EACH	SPV.0060.46 MIDDLETON FURNISH AND INSTALL HYDRANT EACH	SPV.0060.47 CUT OFF EXISTING WATER MAIN EACH	SPV.0060.48 ABANDON WATER VALVE BOX EACH	SPV.0060.49 ABANDON HYDRANT EACH	SPV.0060.50 ADJUST WATER VALVE BOX EACH	SPV.0060.51 FURNISH & INSTALL VALVE 6-INCH EACH	SPV.0060.52 FURNISH & INSTALL VALVE 10-IN EACH	SPV.0060.53 FURNISH & INSTALL VALVE 12-IN EACH	SPV.0060.54 FURNISH & INSTALL VALVE 10-INCH LIVE TAP EACH	SPV.0060.55 WATER VAULT AND CASTING EACH	SPV.0060.56 ADJUST WATER VAULT AND CASTING EACH	SPV.0060.57 ABANDON WATER VAULT EACH	SPV.0060.58 12-INCH CHECK VALVE, 2 12-INCH ISOLATION VALVES AND VAULT EACH	SPV.0060.59 CUT-IN CONNECTION EACH	SPV.0060.60 TEMPORARY HYDRANT EACH
108+49.96	81.2'LT	0010	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---
108+85.23	82.1'LT	0010	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---
109+02.24	77.3'LT	0010	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---
109+96.01	64.7'LT	0010	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---
109+98.40	49.7'LT	0010	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
125+75.00	57.3'LT	0010	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
125+75.19	63.7'LT	0010	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---
125+77.39	63.7'LT	0010	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---
125+82.15	68.1'LT	0010	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---
127+69.38	143.19'LT	0010	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---
127+71.60	131.19'LT	0010	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---
127+74.42	120.74'LT	0010	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---
127+76.81	134.46'LT	0010	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
128+11.68	74.83'LT	0010	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---
128+98.20	34.01'RT	0010	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---
129+01.94	43.39'RT	0010	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---
18+84.02 B	18.56'LT	0010	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---
19+02.54 B	11.31'LT	0010	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---
TOTALS (CATEGORY 0010)			3	0	1 **	0	0	10 **	0	0	0	0	0	0	0	0	4 **	0
140+84.29	22.33'LT	0030	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---
140+85.76	15.47'LT	0030	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---
140+87.13	9.02'LT	0030	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---
140+95.21	107.68'RT	0030	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---
141+13.73	25.15'RT	0030	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---
141+24.69	22.83'RT	0030	---	---	---	1	1	---	---	---	---	---	---	---	---	---	---	---
141+36.28	36.30'RT	0030	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---
144+45.38	33.51'RT	0030	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---
144+60.00	26.28'RT	0030	---	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---
144+78.50	36.00'RT	0030	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---
145+28.65	33.80'RT	0030	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---
145+46.74	10.32'RT	0030	---	---	---	1	1	---	---	---	---	---	---	---	---	---	---	---
147+01.32	38.80'RT	0030	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---
149+20.99	21.60'RT	0030	---	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---
149+29.00	36.0'RT	0030	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---
149+46.25	14.68'RT	0030	---	---	---	1	1	---	---	---	---	---	---	---	---	---	---	---
152+09.21	33.50'RT	0030	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	1
152+50.25	21.50'RT	0030	---	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---
153+34.70	24.81'RT	0030	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---
153+40.77	1.17'RT	0030	---	---	---	1	1	---	---	---	---	---	---	---	---	---	---	---
152+55.25	47.50'RT	0030	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---
155+71.39	23.34'RT	0030	---	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---
155+79.21	36.00'RT	0030	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---
159+17.53	21.78'RT	0030	---	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---
159+25.54	35.86'RT	0030	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---
162+76.72	21.50'RT	0030	---	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---
SUBTOTALS (CATEGORY 0030)			0	6	1 ***	4	4	3 ***	6	0	6	0	6	1	2	0	4 ***	1

CON'T ON NEXT PAGE

** CITY OF MADISON SPEC
*** CITY OF MIDDLETON SPEC

3

3

MISCELLANEOUS WATER MAIN ITEMS CON'T

STATION	OFFSET	CATEGORY	SPV.0060.45 SALVAGE AND RESET HYDRANT WITH AUXILIARY VALVE EACH	SPV.0060.46 MIDDLETON FURNISH AND INSTALL HYDRANT EACH	SPV.0060.47 CUT OFF EXISTING WATER MAIN EACH	SPV.0060.48 ABANDON WATER VALVE BOX EACH	SPV.0060.49 ABANDON HYDRANT EACH	SPV.0060.50 ADJUST WATER VALVE BOX EACH	SPV.0060.51 FURNISH & INSTALL VALVE 6-INCH EACH	SPV.0060.52 FURNISH & INSTALL VALVE 10-IN EACH	SPV.0060.53 FURNISH & INSTALL VALVE 12-IN EACH	SPV.0060.54 FURNISH & INSTALL VALVE 10-INCH LIVE TAP EACH	SPV.0060.55 WATER VAULT AND CASTING EACH	SPV.0060.56 ADJUST WATER VAULT AND CASTING EACH	SPV.0060.57 ABANDON WATER VAULT EACH	SPV.0060.58 12-INCH CHECK VALVE, 2 12-INCH ISOLATION VALVES AND VAULT EACH	SPV.0060.59 CUT-IN CONNECTION EACH	SPV.0060.60 TEMPORARY HYDRANT EACH
162+84.72	36.00'RT	0030	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---
165+78.32	61.10'LT	0030	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---
166+48.80	58.10'LT	0030	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---
169+44.14	33.72'LT	0030	---	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---
169+54.24	53.70'LT	0030	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---
171+79.13	18.39'RT	0030	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---
171+85.13	57.42'RT	0030	---	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---
171+85.77	62.12'RT	0030	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	---
172+05.09	32.60'RT	0030	---	---	---	1	1	---	---	---	---	---	---	---	---	---	---	---
172+05.09	61.36'RT	0030	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---
173+56.92	30.37'LT	0030	---	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---
173+62.86	52.09'LT	0030	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---
177+71.18	43.19'LT	0030	---	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---
177+79.06	59.26'LT	0030	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---
180+58.83	45.78'LT	0030	---	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---
180+66.68	63.85'LT	0030	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---
183+35.00	99.28'LT	0030	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---
183+81.48	21.43'LT	0030	---	---	---	---	---	---	---	---	1	---	1	---	---	---	---	---
183+88.89	27.65'LT	0030	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---	---
185+50.00	63.11'LT	0030	---	1	---	---	---	---	1	---	---	---	---	---	---	---	---	---
186+15.93	21.43'LT	0030	---	---	---	---	---	---	---	---	---	1	---	---	---	---	2	---
SUBTOTALS (CATEGORY 0030)			0	9	0	1	1	---	9	1	6	1	7	0	1	1	3	0
TOTALS (CATEGORY 0030)			0	15	1 ***	5	5	3 ***	15	1	12	1	13	1	3	1	7 ***	1
GRAND TOTALS			3	15	2	5	5	13	15	1	12	1	13	1	3	1	11	1

** CITY OF MADISON SPEC

*** CITY OF MIDDLETON SPEC

SANITARY SEWER STRUCTURES SUMMARY

STRUCTURE NUMBER	STATION	LOCATION (OFFSET)	TOP OF CASTING	EXISTING TOP OF CASTING	IE	DEPTH	CATEGORY	* 611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	SPV.0060.34 MANHOLE FRAME WITH CHIMNEY EACH	SPV.0060.35 CONNECT TO EXISTING SANITARY SEWER EACH	SPV.0060.36 SANITARY SEWER ACCESS STRUCTURE (4-FOOT DIAMETER) EACH	SPV.0060.37 SANITARY SEWER STUB CAP EACH	SPV.0060.38 DROP SANITARY SEWER ACCESS STRUCTURE (5-FOOT DIAMETER) EACH	SPV.0060.39 ADJUST SANITARY SEWER ACCESS STRUCTURE SPECIAL EACH	SPV.0060.40 ADJUST MANHOLE COVER SPECIAL EACH
SAS-01	116+20.22	89.45'LT	1019.81	1014.24	1005.89	8.35	0020	1	---	---	---	---	---	1	---
SAS-02	116+93.33	83.46'LT	1019.62	1011.39	1005.07	6.32	0020	1	---	---	---	---	---	1	---
SAS-03	118+24.11	98.95'LT	1014.17	1014.45	1005.89	8.28	0020	1	---	---	---	---	---	---	1
SAS-04	116+68.05	55.75'RT	1018.35	1008.48	997.86	10.62	0020	1	---	---	---	---	---	1	---
SAS-05	128+45.84	149.01'LT	1019.43	1018.97	1009.30	10.13	0020	1	---	---	---	---	---	---	1
SAS-06	128+73.37	42.05'LT	1017.85	1017.65	1007.91	9.94	0020	1	---	---	---	---	---	---	1
SAS-07	128+79.58	21.36'RT	1015.71	1016.45	1007.24	9.21	0020	1	---	---	---	---	---	---	1
							SUBTOTALS (CATEGORY 0020)	7	0	0	0	0	0	3	4 **
SAS-08	140+72.28	25.49'LT	1019.89	1018.56	1002.30	16.26	0040	---	1	---	---	---	---	---	1
SAS-09	140+86.96	76.16'LT	1020.15	1019.40	1005.59	14.56	0040	---	1	---	---	---	---	---	1
SAS-10	155+91.12	6.0'RT	1034.45	---	1025.32	9.13	0040	---	1	---	1	---	---	---	---
SAS-11	158+10.05	6.0'RT	1030.05	---	1021.02	9.03	0040	---	1	---	1	---	---	---	---
SAS-12	159+92.61	6.0'RT	1022.90	---	1013.62	9.28	0040	---	1	---	1	---	---	---	---
SAS-13	163+15.73	6.0'RT	1002.85	---	993.49	9.36	0040	---	1	---	1	---	---	---	---
SAS-14	163+44.39	26.0'LT	1001.57	---	991.45	10.12	0040	---	1	---	1	---	---	---	---
SAS-15	165+81.04	27.0'LT	984.73	---	974.12	10.61	0040	---	1	---	1	---	---	---	---
SAS-16	168+24.01	26.0'LT	967.98	---	956.37	11.61	0040	---	1	---	1	---	---	---	---
SAS-17	171+20.81	68.83'LT	958.83	---	940.28	18.55	0040	---	1	---	---	---	1	---	---
SAS-18	171+70.40	126.11'LT	959.83	---	940.70	19.13	0040	---	1	---	1	---	---	---	---
STUB-1	172+27.56	132.45'LT	NA	---	940.83	19.79	0040	---	---	---	---	1	---	---	---
SAS-19	171+89.00	32.25'RT	956.72	---	939.80	16.92	0040	---	1	1	1	---	---	---	---
							SUBTOTALS (CATEGORY 0040)	0	12	1	9	1	1	0	2 ***
							GRAND TOTALS	7	12	1	9	1	1	3	6

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

** CITY OF MADISON SPEC

*** CITY OF MIDDLETON SPEC

SANITARY SEWER PIPE SUMMARY

LOCATION (DOWNSTREAM)	LOCATION (UPSTREAM)	IE (DOWNSTREAM)	IE (UPSTREAM)	SLOPE (%)	CATEGORY	SPV.0060.41 ABANDON SANITARY SEWER PIPE PLUG EACH	SPV.0090.18 SANITARY SEWER PIPE PVC, 8-INCH LF	SPV.0090.19 SANITARY SEWER PIPE PVC, 10-INCH LF	SPV.0090.20 SELECT FILL FOR SANITARY SEWER LF
SAS-11	SAS-10	1021.12	1025.32	2.00%	0040	---	215	---	215
SAS-12	SAS-11	1013.72	1021.02	4.10%	0040	---	178	---	178
SAS-13	SAS-12	993.59	1013.62	6.30%	0040	---	318	---	318
SAS-14	SAS-13	992.27	993.49	3.20%	0040	---	38	---	38
SAS-15	SAS-14	974.22	991.45	7.30%	0040	---	236	---	236
SAS-16	SAS-15	957.71	974.12	6.70%	0040	---	245	---	245
SAS-17	SAS-16	946.57	956.37	3.65%	0040	---	306	---	306
SAS-17	SAS-18	940.38	940.70	0.40%	0040	---	---	79	79
SAS-19	SAS-17	939.90	940.28	0.40%	0040	---	---	96	96
SAS-18	STUB-1	940.80	940.83	0.50%	0040	---	---	5	5
SAS-19	STUB-2	938.00	940.00	NA	0040	1	---	---	---
					TOTALS	1	1,536	180	1,716

*

612.0902.S.01

INSULATION BOARD POLYSTYRENE 2-INCH

LOCATION	CATEGORY	SY
STA. 128+77.50	0020	8
SWALLOWTAIL POND	0020	150
UNDISTRIBUTED	0040	40
	SUBTOTAL (CATEGORY 0020)	158
	SUBTOTAL (CATEGORY 0040)	40
	GRAND TOTALS	198

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

SPV.0035.06

SANITARY SEWER ROCK EXCAVATION

STATION (CENTER)	CATEGORY	CY
156+00 - 163+00	0040	928.1
171+20.81 - 171+70.40	0040	88.9
171+20.81 +171+89.00	0040	116.7
TOTAL		1,133.7

SPV.0090.21

10-INCH DIAMETER SANITARY SEWER INSIDE CASING

LOCATION	CATEGORY	LF
STA. 116+55.47 - STA. 116+85.37	0020	30
TOTAL		30

SPV.0060.43

WASTEWATER CONTROL

LOCATION	CATEGORY	EACH
STA. 116+55.47 - STA. 116+85.37	0020	1
TOTAL		1

*

611.8120.S

COVER PLATES TEMPORARY

LOCATION	CATEGORY	EACH
UNDISTRIBUTED	0020	5
UNDISTRIBUTED	0040	5
TOTAL		10

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

*

SPV.0060.05

UTILITY LINE OPENING (ULO)

LOCATION	CATEGORY	EACH
UNDISTRIBUTED	0020	5
UNDISTRIBUTED	0040	5
TOTAL		10

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

SPV.0060.44

SANITARY SEWER DEWATERING

PROJECT ID	CATEGORY	EACH
5992-11-02	0020	0.2 **
5992-11-02	0040	0.8 ***
TOTAL		1

** CITY OF MADISON SPEC

*** CITY OF MIDDLETON SPEC

*

619.1000

MOBILIZATION

LOCATION	CATEGORY	EACH
5992-11-02	0020	0.01
5992-11-02	0040	0.01
TOTAL		0.02

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

SPV.0060.42

CONSTRUCTION STAKING SANITARY SEWER

PROJECT ID	CATEGORY	EACH
5992-11-02	0020	0.2
5992-11-02	0040	0.8
TOTAL		1

TRANSPORTATION PROJECT PLAT NO: 5992-11-00 - 4.05 AMENDMENT NO. 1

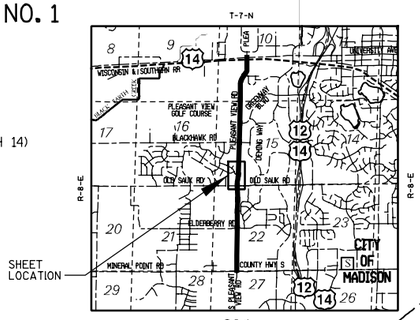
AMENDS PARCEL NO. 2 OF TRANSPORTATION PROJECT PLAT 5992-11-00-4.05 RECORDED AS DOCUMENT NO. 5713370 AND FILED IN VOLUME 61-044A OF PLATS ON PAGE 249.

THAT PART OF LOTS 1 & 2 OF CSM 2041, IN THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 15, TOWN OF MIDDLETON; AND THAT PART OF OUTLOT 1 OF BLACKHAWK SUBDIVISION, IN THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 15, IN THE CITY OF MADISON; AND THAT PART OF LOT 1 OF CSM 11328, AND OTHER LANDS IN THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 15, CITY OF MADISON, ALL IN T7N, R8E, DANE COUNTY, WISCONSIN.

RELOCATION ORDER LOCAL STREET DANE COUNTY CITY OF MADISON, PLEASANT VIEW ROAD (MINERAL POINT ROAD TO USH 14)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF MADISON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MADISON HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MADISON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.



LOCATION SKETCH
NOT TO SCALE

APPROVED FOR THE CITY OF MADISON
RELOCATION ORDER APPROVED BY THE COMMON COUNCIL. RESOLUTION: FILE ID: DATE: _____ CITY CLERK
RELOCATION ORDER APPROVED BY THE PLANNING COMMISSION DATE: _____ EXECUTIVE SECRETARY
RELOCATION ORDER APPROVED BY THE BOARD OF PUBLIC WORKS DATE: _____ EXECUTIVE SECRETARY

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF MADISON, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 5992-11-00-4.05 AMENDMENT NO. 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

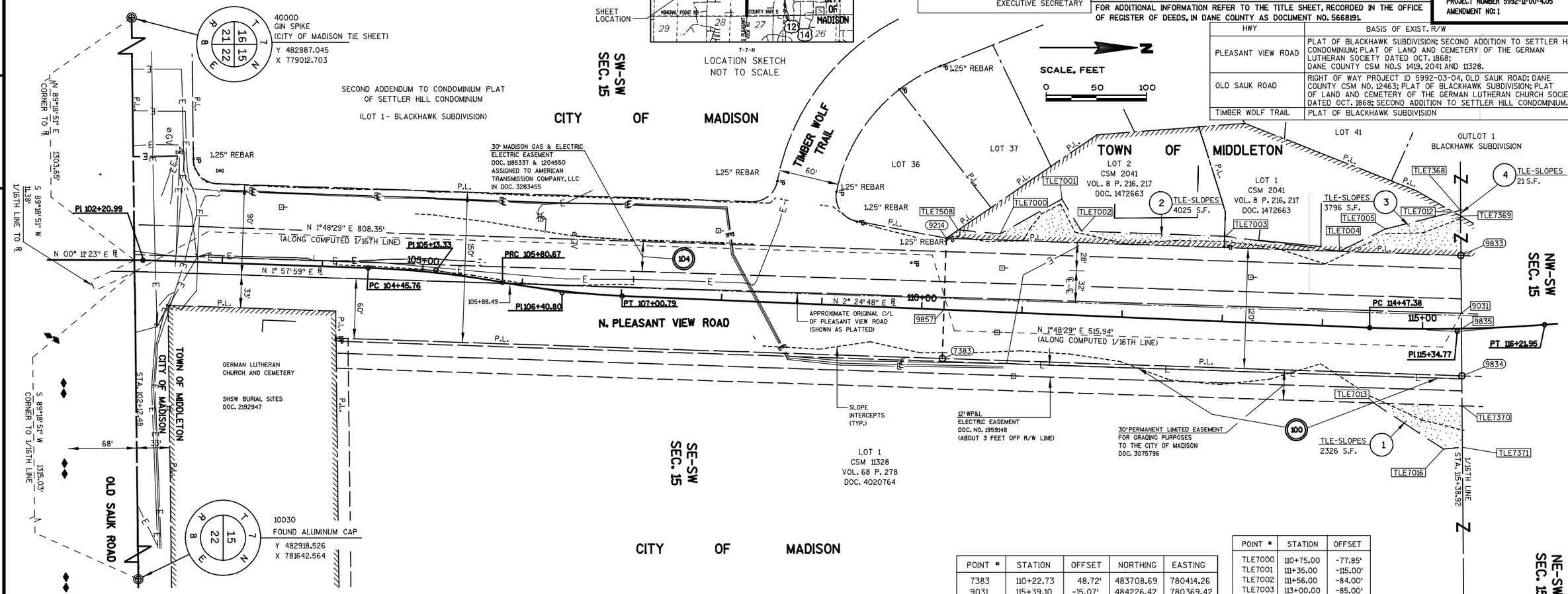
WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

(SIGNATURE) _____ DATE 6/18/21
(PRINTED NAME) HEATHER S. BARTELT
(REGISTRATION NUMBER) S - 2797

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS DOCUMENT NO. 5668191.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-11-00-4.05
AMENDMENT NO: 1

HWY	BASIS OF EXIST. R/W
PLEASANT VIEW ROAD	PLAT OF BLACKHAWK SUBDIVISION; SECOND ADDITION TO SETTLER HILL CONDOMINIUM; PLAT OF LAND AND CEMETERY OF THE GERMAN LUTHERAN SOCIETY DATED OCT. 1868; DANE COUNTY CSM NO.S 1419, 2041 AND 11328.
OLD SAUK ROAD	RIGHT OF WAY PROJECT ID 5992-03-04, OLD SAUK ROAD; DANE COUNTY CSM NO. 12463; PLAT OF BLACKHAWK SUBDIVISION; PLAT OF LAND AND CEMETERY OF THE GERMAN LUTHERAN CHURCH SOCIETY DATED OCT. 1868; SECOND ADDITION TO SETTLER HILL CONDOMINIUM.
TIMBER WOLF TRAIL	PLAT OF BLACKHAWK SUBDIVISION



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE CITY OF MADISON.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W S.F. REQUIRED NEW	EXISTING	TOTAL	TLE S.F.	PLE S.F.
1	AX MADISON GREENWAY LLP	TLE	---	---	---	2326	---
2	HOWVIEW LLC	TLE	---	---	---	4025	---
3	ANDREA E. MACE	TLE	---	---	---	3796	---
4	CITY OF MADISON - (STORM WATER)	TLE	---	---	---	21	---

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
100	ALLIANT ENERGY (WP&L) - ELECTRIC	RELEASE OF RIGHTS
104	AMERICAN TRANSMISSION COMPANY	RELEASE OF RIGHTS

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

* EXCLUDE BUILDINGS THAT LIE PARTIALLY OR WHOLLY WITHIN A TEMPORARY LIMITED EASEMENT.

(100) ALLIANT ENERGY - ELECTRIC (WP&L) DOC. 1959148 (WITHIN EXISTING CITY OF MADISON PLE DOC. 3075796 PARCEL 1

(104) AMERICAN TRANSMISSION COMPANY DOC. 1185337, 1204550, 3283455 WITHIN EXISTING R/W OF N. PLEASANT VIEW ROAD

POINT #	STATION	OFFSET	NORTHING	EASTING
7383	110+22.73	48.72'	483708.69	780414.26
9031	115+39.10	-15.07'	484226.42	780369.42
9214	110+21.68	-71.28	483712.70	780294.32
9833	115+39.82	-73.00'	484225.95	780311.48
9834	115+38.39	47.10'	484226.93	780431.58
9835	115+38.92	0.00'	484226.55	780384.49
9857	110+22.30	0.00'	483710.32	780365.57

P.I. = 102+20.99
Y = 482,911.16
X = 780,316.29
DELTA = 1°46'36" (RT)

P.I. = 105+13.33
Y = 483,203.33
X = 780,326.32
DELTA = 8° 05'56" (RT)
D = 6° 00'10"
T = 67.57'
L = 134.92'
R = 954.48'
P.C. = 104+45.76
P.R.C. = 105+80.67
D. A. = N 10° 03'54" E

P.I. = 106+40.80
Y = 483,329.06
X = 780,348.64
DELTA = 6° 49'55" (LT)
D = 5° 41'16"
T = 60.13'
L = 120.11'
R = 1,007.33'
P.R.C. = 105+80.67
P.T. = 107+00.79
D. B. = S 10° 03'54" W

P.I. = 115+34.77
Y = 484,222.33
X = 780,387.14
DELTA = 6° 46'03" (LT)
D = 3° 52'36"
T = 87.39'
L = 174.57'
R = 1,478.00'
P.C. = 114+47.38
P.T. = 116+21.95
D. A. = N 4° 21'15" W

POINT #	STATION	OFFSET
TLE7000	110+75.00	-77.85'
TLE7001	111+35.00	-115.00'
TLE7002	111+56.00	-84.00'
TLE7003	113+00.00	-85.00'
TLE7004	114+14.00	-75.00
TLE7005	114+60.00	-99.00'
TLE7012	115+32.65	-116.39'
TLE7013	114+54.00	74.98'
TLE7016	115+20.00	120.00'
TLE7368	115+40.42	-118.03'
TLE7369	115+40.33	-112.13'
TLE7370	115+38.07	77.12'
TLE7371	115+37.65	118.37'
TLE7508	110+33.29	-80.00'

COURSE	BEARING	DIST.
9214-9833	N 1° 54'53" E	513.53'
9833-9031	N 89° 31'51" E	57.94'
9031-9835	N 89° 31'51" E	15.07'
9835-9834	N 89° 31'51" E	47.10'
9834-7383	S 1° 54'53" W	518.53'
7383-9857	N 88° 05'07" W	48.72'
9857-9214	N 88° 05'07" W	71.28'
9834-TLE7370	N 89° 31'51" E	30.03'

TRANSPORTATION PROJECT PLAT NO: 5992-11-00 - 4.06 AMENDMENT NO. 1

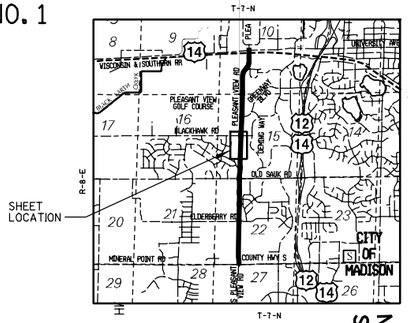
AMENDS PARCEL NO. 7 OF TRANSPORTATION PROJECT PLAT 5992-11-00-4.06 RECORDED AS DOCUMENT NO. 5713371 AND FILED IN VOLUME 61-044A OF PLATS ON PAGES 250 & 251.

THAT PART OF LOT 1 CSM NO. 2041, IN THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 15, IN THE TOWN OF MIDDLETON; AND THAT PART OF OUTLOT 1 OF BLACKHAWK SUBDIVISION, AND THAT PART OF LOT 57 OF THE PLAT OF FIRST ADDITION TO BLACKHAWK SUBDIVISION, AND THAT PART OF LOT 143 OF THE PLAT OF THIRD ADDITION TO BLACKHAWK SUBDIVISION, AND OTHER LANDS IN THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 15 IN THE CITY OF MADISON; AND THAT PART OF LOT 1 OF CSM 11328, AND THAT PART OF OUTLOT 4 OF THE PLAT OF OLD SAUK TRAILS PARK FIRST ADDITION, AND THAT PART OF LOTS 30 AND 31 OF THE PLAT OF OLD SAUK TRAILS PARK SECOND ADDITION, IN THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 15, T7N, R8E, CITY OF MADISON, DANE COUNTY, WI.

RELOCATION ORDER LOCAL STREET DANE COUNTY CITY OF MADISON, PLEASANT VIEW ROAD (MINERAL POINT ROAD TO USH 14)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF MADISON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MADISON HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MADISON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.



LOCATION SKETCH
NOT TO SCALE

APPROVED FOR THE CITY OF MADISON	
RELOCATION ORDER APPROVED BY THE COMMON COUNCIL. RESOLUTION: FILE ID:	
DATE: _____	_____ CITY CLERK
RELOCATION ORDER APPROVED BY THE PLANNING COMMISSION	
DATE: _____	_____ EXECUTIVE SECRETARY
RELOCATION ORDER APPROVED BY THE BOARD OF PUBLIC WORKS	
DATE: _____	_____ EXECUTIVE SECRETARY

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF MADISON, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 5992-11-00-4.06 AMENDMENT NO. 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

(SIGNATURE) _____ DATE 6/18/21
(PRINTED NAME) HEATHER S. BARTELT
(REGISTRATION NUMBER) S - 2797

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS DOCUMENT NO. 5668191.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-11-02-4.06
SHEET 1 OF 2
AMENDMENT NO: 1

SCALE, FEET
0 50 100

CITY OF MADISON
CITY OF MIDDLETON
TOWN OF MIDDLETON
CITY OF MADISON
CITY OF MADISON
CITY OF MADISON
CITY OF MADISON

SW-NW SEC. 15
NW-SW SEC. 15
NE-SW SEC. 15
SE-NW SEC. 15

OUT LOT 1 BLACKHAWK SUBDIVISION (STORMWATER MANAGEMENT)
POND
25' PERMANENT EASEMENT FOR SIDEWALK CONSTRUCTION AND GRADING (FIRST ADDITION TO BLACKHAWK SUBDIVISION) DOC. 2738124
1/16TH LINE STA. 115+38.92
LOT 1 CSM 2041 VOL. 8 P. 216 DOC. 1472663
12' UTILITY EASEMENT PER BLACKHAWK SUBD. DOC. 2671296
TLE-SLOPES 1401 S.F.
TLE-SLOPES 13793 S.F.
TLE-SLOPES 1703 S.F.
TLE-SLOPES 5406 S.F.
TLE-SLOPES 603 S.F.
TLE-SLOPES 1795 S.F.
TLE-SLOPES 1739 S.F.
TLE-SLOPES 7050 S.F.
TLE-SLOPES 9131 S.F.
1-1/4" REBAR IP
1/16TH LINE = STA. 117+00.82
1/16TH LINE = STA. 122+28.10
1/16TH LINE TO STA. 128+74.95
10' MG&E ELECTRIC EASEMENT DOC. 2764498
10' MG&E ELECTRIC EASEMENT DOC. 2866630
30' MG&E ELECTRIC EASEMENT DOC. 1184930, 1184931, 1185337 ASSIGNED TO AMERICAN TRANSMISSION COMPANY, LLC IN DOC. 3283455
20' CITY OF MADISON PUBLIC WATER MAIN EASEMENT DOC. 2991284
10' MG&E ELECTRIC EASEMENT DOC. 2967530
LOT 57 FIRST ADDITION TO BLACKHAWK SUBDIVISION
LOT 143 THIRD ADDITION TO BLACKHAWK SUBDIVISION
10236 FOUND BRASS CAP Y 485544.220 X 779090.602
12' UTILITY EASEMENT (PLAT OF OLD SAUK TRAILS PARK SECOND ADDITION)
12' WP&L UNDERGROUND ELECTRIC EASEMENT DOC. 1959148
30' PERMANENT LIMITED EASEMENT FOR GRADING PURPOSES TO THE CITY OF MADISON DOC. 3075796
CONSENT TO OCCUPY AND 15' WIDE JOGGING TRAIL EASEMENT DOC. 2118699
12' WP&L ELECTRIC EASEMENT DOC. 1959148 (ABOUT 3 FEET OFF R/W LINE)
30' LANDSCAPE BUFFER STRIP (OLD SAUK TRAILS SECOND ADDITON)
FIRST GERMAN LUTHERAN CHURCH PLEASANT VIEW CEMETARY
SLOPE INTERCEPTS (TYP.)
LOT 1 CSM 11328 VOL. 68 P. 278 DOC. 4020764
OUTLOT 4 OLD SAUK TRAILS PARK FIRST ADDITION PUBLIC GREENWAY
LOT 28 OLD SAUK TRAILS PARK SECOND ADDITION
LOT 29 PLAT OF OLD SAUK TRAILS PARK SECOND ADDITION
LOT 30 PLAT OF OLD SAUK TRAILS PARK SECOND ADDITION
LOT 31 PLAT OF OLD SAUK TRAILS PARK SECOND ADDITION
N. PLEASANT VIEW ROAD
BLACKHAWK ROAD
EXIST. R/W
ORIGINAL C/L AS PLATTED
2-3/4" IP
1-1/2" REBAR 0.54' NORTH 2.65' WEST
S 89°31'51" W 57.94'
S 89°31'51" W 15.07'
S 89°31'51" W 47.10'
N 4°21'15" W
N 1°48'29" E 1,324.30' (ALONG COMPUTED 1/16TH LINE)
N 1° 48'29" E
N 5° 08'50" E
N 8°24'08" W
N 14°44'28" E
N 89°46'10" E
N 89°44'48" E 127.19'
N 89°44'48" E 193.42'
N 89°44'48" E 41.11'
N 89°44'48" E 237.11'
S 89°44'48" W 982.39'
S 88°03'43" E
PC 114+47.38
PT 116+21.95
PC 117+21.95
PI 118+03.29
PT 118+84.47
PC 119+79.81
PI 120+39.27
PT 120+98.70
PC 125+33.97
PT 126+28.56
PI 125+81.49
PT 127+95.23
PC 126+93.69
PI 127+47.50
PC 128+64.40
PI 129+16.23
PI 14+12.49 B
PRC 14+39.01 B
PI 14+47.53 B
PCC 14+56.03 B
PI 14+84.18 B
PT 15+11.34 B
PC 15+62.34 B
PI 15+75.91 B
PT 19+22.51 B
PC 18+29.46 B
PI 18+89.74 B
PCC 17+26.22 B
PT 17+26.50 B
PT 17+36.74 B
PI 16+89.74 B
PC 125+00
PC 128+00
PC 130+00
PC 132+00
PC 134+00
PC 136+00
PC 138+00
PC 140+00
PC 142+00
PC 144+00
PC 146+00
PC 148+00
PC 150+00
PC 152+00
PC 154+00
PC 156+00
PC 158+00
PC 160+00
PC 162+00
PC 164+00
PC 166+00
PC

TRANSPORTATION PROJECT PLAT NO: 5992-11-00 - 4.06 AMENDMENT NO. 1

RELOCATION ORDER LOCAL STREET DANE COUNTY CITY OF MADISON, PLEASANT VIEW ROAD (MINERAL POINT ROAD TO USH 14)

P.I. = 115+34.77
Y = 484,222.33
X = 780,387.14
DELTA = 6° 46' 03" (LT)
D = 3° 52' 36"
T = 87.39'
L = 174.57'
R = 1,478.00'
P.C. = 114+47.38
P.T. = 116+21.95

P.I. = 118+03.29
Y = 484,490.28
X = 780,366.74
DELTA = 6° 09' 44" (RT)
D = 3° 47' 31"
T = 81.33'
L = 162.51'
R = 1,511.00'
P.C. = 117+21.95
P.T. = 118+84.47

P.I. = 120+39.27
Y = 484,726.31
X = 780,374.19
DELTA = 3° 20' 21" (RT)
D = 2° 48' 31"
T = 59.46'
L = 118.89'
R = 2,040.00'
P.C. = 119+79.81
P.T. = 120+98.70

P.I. = 125+81.49
Y = 485,266.37
X = 780,422.84
DELTA = 13° 32' 58" (LT)
D = 14° 19' 26"
T = 47.52'
L = 94.59'
R = 400.00'
P.C. = 125+33.97
P.T. = 126+28.56

P.I. = 127+47.50
Y = 485,431.04
X = 780,398.52
DELTA = 46° 55' 16" (RT)
D = 46° 12' 23"
T = 53.82'
L = 101.55'
R = 124.00'
P.C. = 126+93.69
P.T. = 127+95.23

P.I. = 129+16.23
Y = 485,590.24
X = 780,462.82
DELTA = 23° 56' 50" (LT)

P.I. = 14+12.49 B
Y = 485,548.54
X = 780,251.93
DELTA = 3° 47' 58" (LT)
D = 7° 09' 43"
T = 26.54'
L = 53.05'
R = 800.00'
P.C. = 13+85.96 B
P.R.C. = 14+39.01 B
D.A. = N 85°58'12" E

P.I. = 14+47.53 B
Y = 485,551.00
X = 780,286.90
DELTA = 8° 07' 27" (RT)
D = 47° 44' 47"
T = 8.52'
L = 17.02'
R = 120.00'
P.R.C. = 14+39.01 B
P.C.C. = 14+56.03 B
D.B. = S 85°58'12" W
D.A. = S 85°54'21" E

P.I. = 14+84.18 B
Y = 485,548.38
X = 780,323.49
DELTA = 26° 24' 39" (RT)
D = 47° 44' 47"
T = 28.16'
L = 55.32'
R = 120.00'
P.C.C. = 14+56.03 B
P.T. = 15+11.34 B
D.B. = N 85°54'21" W

P.I. = 16+89.74 B
Y = 485,529.26
X = 780,522.26
DELTA = 25° 43' 28" (LT)
D = 47° 44' 47"
T = 27.40'
L = 53.88'
R = 120.00'
P.C. = 16+62.34 B
P.C.C. = 17+16.22 B
D.A. = S 85°54'08" E

P.I. = 17+26.50 B
Y = 485,526.57
X = 780,559.85
DELTA = 9° 48' 02" (LT)
D = 47° 44' 47"
T = 10.29'
L = 20.53'
R = 120.00'
P.C.C. = 17+16.22 B
P.T. = 17+36.74 B
D.B. = N 85°54'08" W

P.I. = 18+75.91 B
Y = 485,541.42
X = 780,708.57
DELTA = 7° 38' 26" (RT)
D = 8° 11' 06"
T = 46.74'
L = 93.35'
R = 700.00'
P.C. = 18+29.16 B
P.T. = 19+22.51 B

POINT #	STATION	OFFSET	NORTHING	EASTING
7041	14+41.20 B	41.75'	485508.84	780282.76
7042	127+69.25	-112.06'	485501.30	780317.82
7044	127+63.75	-91.08'	485483.30	780332.52
7045	127+24.24	-64.77'	485414.72	780341.22
7046	127+55.45	-82.29'	485466.94	780335.37
7049	127+95.23	47.06'	485449.02	780472.44
7050	18+15.00 B	36.43'	485499.11	780651.58
7051	18+48.10 B	35.00'	485503.49	780683.46
7052	19+17.80 B	34.80'	485505.19	780749.63
7054	17+97.21 B	37.10'	485496.69	780633.94
7055	16+83.36 B	77.69'	485460.97	780491.25
7384	127+68.61	-222.96'	485549.20	780217.78
7385	13+78.36 B	39.80'	485508.60	780217.96
7386	129+16.23	289.19'	485551.55	780749.42
9007	128+64.32	-39.72'	485550.06	780411.20
9031	115+39.10	-15.07'	484226.42	780369.42
9169	128+51.59	55.05'	485513.63	780499.61
9170	128+21.67	36.22'	485489.49	780473.79
9186	119+84.93	73.93'	484669.47	780446.38
9187	118+51.13	73.34'	484537.55	780441.96
9188	119+86.49	46.93'	484671.91	780419.44
9189	118+53.38	46.39'	484539.99	780415.03
9202	127+72.96	-115.05'	485508.98	780318.42
9203	127+66.36	-81.03'	485483.15	780343.50
9216	118+32.83	-89.56'	484519.71	780279.01
9217	120+27.00	-103.55'	484719.67	780270.95
9218	123+15.20	-71.63'	485007.58	780327.61
9221	116+14.83	-67.33'	484297.58	780313.88
9766	128+74.96	0.00'	485550.24	780452.32
9768	128+36.37	-144.06'	485549.58	780303.18
9769	128+25.62	-184.21'	485549.40	780261.62
9833	115+39.82	-73.00'	484225.95	780311.48
9834	115+38.39	47.09'	484226.93	780431.58

POINT #	STATION	OFFSET
TLE7006	115+50.00	-120.00'
TLE7007	116+70.00	-125.00'
TLE7008	116+80.00	-170.00'
TLE7009	117+20.00	-165.00'
TLE7010	117+20.00	-118.58'
TLE7011	118+37.52	-114.77'
TLE7014	115+80.12	80.09'
TLE7015	116+13.00	114.00'
TLE7017	115+80.89	115.35'
TLE7018	116+60.00	109.00'
TLE7019	117+65.03	69.04'
TLE7020	116+77.52	102.31'
TLE7021	116+53.08	143.32'
TLE7022	116+13.00	143.00'
TLE7026	121+17.00	-138.00'
TLE7027	121+93.00	-134.00'
TLE7028	121+92.00	-109.68'
TLE7029	121+16.00	-117.65'
TLE7031	14+00.00 B	39.94'
TLE7032	14+00.00 B	51.00'
TLE7033	14+45.01 B	50.00'
TLE7034	14+64.90 B	86.16'
TLE7035	127+47.66	-115.34'
TLE7036	127+27.57	-108.42'
TLE7037	127+25.00	-107.00'
TLE7038	126+98.00	-71.00'
TLE7039	126+02.21	-87.00'
TLE7056	125+86.00	187.00'
TLE7057	20+55.00 B	34.80'
TLE7058	20+55.00 B	38.00'
TLE7368	115+40.42	-118.03'
TLE7369	115+40.33	-112.13'
TLE7371	115+37.65	118.37'
TLE7500	19+00.00 B	55.00'
TLE7501	17+65.00 B	70.00'
TLE7502	17+07.53 B	76.72'
TLE7503	127+69.92	65.00'
TLE7504	127+00.00	65.15'
TLE7505	126+00.00	48.15'
TLE7506	125+50.00	55.00'
TLE7507	124+80.00	49.27'
TLE9342	126+01.77	-82.46'
TLE9346	116+77.67	60.75'
TLE9347	115+79.43	49.93'

COURSE	BEARING	DIST.
9031-9833	S 89° 31' 51" W	57.94'
9833-9221	N 1° 54' 53" E	71.67'
9221-9216	N 8° 55' 17" W	224.86'
9216-9217	N 2° 18' 19" W	200.12'
9217-9218	N 11° 07' 55" E	293.42'
9218-7045	N 1° 54' 53" E	407.37'
7045-7046	SEE CURVE P3	
7046-7044	SEE CURVE P4	
7044-7042	SEE CURVE P1	
7042-7041	SEE CURVE P2	
7041-7385	S 89° 46' 55" W	64.81'
7385-7384	N 0° 15' 12" W	40.61'
7384-9007	N 89° 44' 48" E	193.42'
9007-9766	N 89° 44' 48" E	41.11'
9766-7386	N 89° 44' 48" E	297.11'
7386-7052	S 0° 15' 12" E	46.36'
7052-7051	SEE CURVE P5	
7051-7050	S 82° 10' 30" W	32.18'
7050-7054	S 82° 10' 34" W	17.81'
7054-7055	SEE CURVE P72	
7055-7049	SEE CURVE P73	
7049-9186	S 1° 54' 53" W	779.98'
9186-9188	N 84° 49' 29" W	27.04'
9188-9189	S 1° 54' 53" W	132.00'
9189-9187	S 84° 49' 28" E	27.04'
9187-9834	S 1° 54' 53" W	310.79'
9834-9031	S 89° 31' 51" W	62.17'
7041-9202	N 89° 46' 55" E	35.66'
9202-9203	SEE CURVE E122	
9203-7045	S 1° 54' 53" W	68.46'
7049-9170	N 1° 54' 53" E	40.49'
9170-9169	SEE CURVE E123	
9169-7052	S 88° 03' 56" E	250.16'

CURVE P1
R = 24.00'
L = 24.26'
LC = 23.24'
LCB = N 39° 14' 45" W
DELTA = 57°54'57" LT

CURVE P2
R = 107.00'
L = 36.03'
LC = 35.86'
LCB = N 77° 51' 0" W
DELTA = 19°17'32" LT

CURVE P3
R = 487.00'
L = 52.57'
LC = 52.55'
LCB = N 6° 23' 11" W
DELTA = 6°11'07" LT

CURVE P4
R = 1176.00'
L = 16.60'
LC = 16.60'
LCB = N 9° 53' 1" W
DELTA = 0°48'32" LT

CURVE P5
R = 665.00'
L = 66.22'
LC = 66.19'
LCB = S 88° 31' 46" W
DELTA = 5° 42' 18" LT

CURVE P72
R = 578.00'
L = 147.50'
LC = 147.10'
LCB = S 75° 57' 00" W
DELTA = 14° 37' 16" LT

CURVE P73
R = 58.00'
L = 22.43'
LC = 22.29'
LCB = S 57° 33' 44" W
DELTA = 22° 09' 16" LT

CURVE E123
R = 25.00'
L = 39.26'
LC = 35.35'
LCB = N 46° 55' 29" E
DELTA = 89° 58' 48" RT

CURVE E122
R = 25.00'
L = 40.20'
LC = 36.01'
LCB = S 44° 09' 06" E
DELTA = 92°07'53" RT

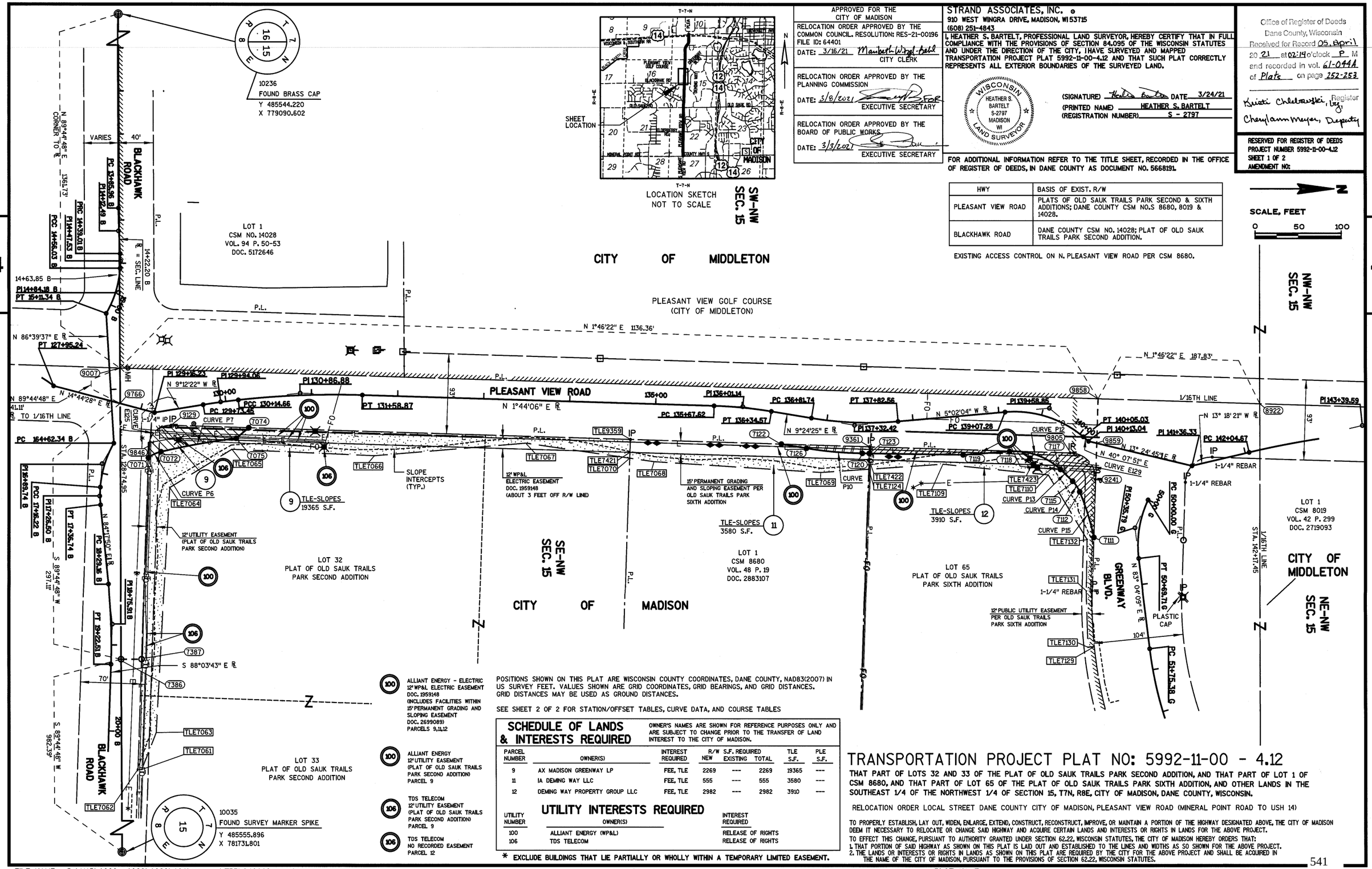
TPP NUMBER 5992-11-00-4.06
AMENDMENT NO:
SHEET 2

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\TPP\040106_rp A1 2 of 2.dgn
APPRAISAL PLAT DATE: 6/18/21

PLOT DATE :
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$

5992-11-00-4.06 AMEND. NO. 1

Document # 5713372



APPROVED FOR THE CITY OF MADISON

RELOCATION ORDER APPROVED BY THE COMMON COUNCIL. RESOLUTION: RES-21-00196 FILE ID: 64401
DATE: 3/16/21 Maribeth Witzel-Behl CITY CLERK

RELOCATION ORDER APPROVED BY THE PLANNING COMMISSION
DATE: 3/8/2021 FOR EXECUTIVE SECRETARY

RELOCATION ORDER APPROVED BY THE BOARD OF PUBLIC WORKS
DATE: 3/3/2021 EXECUTIVE SECRETARY

STRAND ASSOCIATES, INC.®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 5992-11-00-4.12 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

(SIGNATURE) DATE 3/24/21
(PRINTED NAME) HEATHER S. BARTELT
(REGISTRATION NUMBER) S - 2797

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS DOCUMENT NO. 5668191.

Office of Register of Deeds
Dane County, Wisconsin
Received for Record 05 April
20 21 at 02:14 o'clock P M
and recorded in vol. 61-044A
of Plats on page 252-253
Kristi Chlebowski, Register
Cheryl Ann Meyer, Deputy

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-11-00-4.12
SHEET 1 OF 2
AMENDMENT NO:

HWY	BASIS OF EXIST. R/W
PLEASANT VIEW ROAD	PLATS OF OLD SAUK TRAILS PARK SECOND & SIXTH ADDITIONS; DANE COUNTY CSM NO.S 8680, 8019 & 14028.
BLACKHAWK ROAD	DANE COUNTY CSM NO. 14028; PLAT OF OLD SAUK TRAILS PARK SECOND ADDITION.

EXISTING ACCESS CONTROL ON N. PLEASANT VIEW ROAD PER CSM 8680.

(100) ALLIANT ENERGY - ELECTRIC 12' WP&L ELECTRIC EASEMENT DOC. 1959148 (INCLUDES FACILITIES WITHIN 15' PERMANENT GRADING AND SLOPING EASEMENT DOC. 2699089) PARCELS 9,11,12

(100) ALLIANT ENERGY 12' UTILITY EASEMENT (PLAT OF OLD SAUK TRAILS PARK SECOND ADDITION) PARCEL 9

(106) TDS TELECOM 12' UTILITY EASEMENT (PLAT OF OLD SAUK TRAILS PARK SECOND ADDITION) PARCEL 9

(106) TDS TELECOM NO RECORDED EASEMENT PARCEL 12

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

SEE SHEET 2 OF 2 FOR STATION/OFFSET TABLES, CURVE DATA, AND COURSE TABLES

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE CITY OF MADISON.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W S.F. REQUIRED NEW	R/W S.F. REQUIRED EXISTING	R/W S.F. REQUIRED TOTAL	TLE S.F.	PLE S.F.
9	AX MADISON GREENWAY LP	FEE, TLE	2269	---	2269	19365	---
11	IA DEMING WAY LLC	FEE, TLE	555	---	555	3580	---
12	DEMING WAY PROPERTY GROUP LLC	FEE, TLE	2982	---	2982	3910	---

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
100	ALLIANT ENERGY (WP&L)	RELEASE OF RIGHTS
106	TDS TELECOM	RELEASE OF RIGHTS

* EXCLUDE BUILDINGS THAT LIE PARTIALLY OR WHOLLY WITHIN A TEMPORARY LIMITED EASEMENT.

TRANSPORTATION PROJECT PLAT NO: 5992-11-00 - 4.12

THAT PART OF LOTS 32 AND 33 OF THE PLAT OF OLD SAUK TRAILS PARK SECOND ADDITION, AND THAT PART OF LOT 1 OF CSM 8680, AND THAT PART OF LOT 65 OF THE PLAT OF OLD SAUK TRAILS PARK SIXTH ADDITION, AND OTHER LANDS IN THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 15, T7N, R8E, CITY OF MADISON, DANE COUNTY, WISCONSIN.

RELOCATION ORDER LOCAL STREET DANE COUNTY CITY OF MADISON, PLEASANT VIEW ROAD (MINERAL POINT ROAD TO USH 14)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF MADISON DEEM IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MADISON HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MADISON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\TPP\040112_rp.dgn
APPRAISAL PLAT DATE: 3/24/21
PLOT DATE :
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$

5992-11-00-4.12

TRANSPORTATION PROJECT PLAT NO: 5992-11-00 - 4.12

RELOCATION ORDER LOCAL STREET DANE COUNTY CITY OF MADISON, PLEASANT VIEW ROAD (MINERAL POINT ROAD TO USH 14)

4

P.I. = 127+47.51
Y = 485,431.04
X = 780,398.52
DELTA = 46° 55' 16" (RT)
D = 46° 12' 23"
T = 53.82'
L = 101.55'
R = 124.00'
P.C. = 126+93.70
P.T. = 127+95.24

P.I. = 129+16.23
Y = 485,590.16
X = 780,462.82
DELTA = 23° 56' 50" (LT)

P.I. = 129+94.06
Y = 485,666.99
X = 780,450.37
DELTA = 2° 52' 21" (RT)
D = 6° 58' 13"
T = 20.61'
L = 41.21'
R = 822.00'
P.C. = 129+73.45
P.C.C. = 130+14.66

P.I. = 130+86.88
Y = 485,759.25
X = 780,440.13
DELTA = 8° 04' 06" (RT)
D = 5° 35' 43"
T = 72.22'
L = 144.20'
R = 1,024.00'
P.C.C. = 130+14.66
P.T. = 131+58.87

P.I. = 136+01.14
Y = 486,273.51
X = 780,455.70
DELTA = 7° 40' 19" (RT)
D = 11° 27' 33"
T = 33.53'
L = 66.95'
R = 500.00'
P.C. = 135+67.62
P.T. = 136+34.57

P.I. = 137+32.42
Y = 486,403.12
X = 780,477.18
DELTA = 14° 26' 29" (LT)
D = 14° 19' 26"
T = 50.58'
L = 100.82'
R = 400.00'
P.C. = 136+81.74
P.T. = 137+82.56

P.I. = 139+58.85
Y = 486,629.21
X = 780,457.26
DELTA = 45° 09' 54" (RT)
D = 46° 12' 23"
T = 51.57'
L = 97.75'
R = 124.00'
P.C. = 139+07.28
P.T. = 140+05.03

P.I. = 140+13.04
Y = 486,674.78
X = 780,495.67
DELTA = 26° 43' 06" (LT)

P.I. = 141+36.33
Y = 486,794.70
X = 780,524.26
DELTA = 26° 43' 06" (LT)

P.I. = 143+39.59
Y = 486,992.50
X = 780,477.48
DELTA = 15° 02' 27" (RT)
D = 5° 36' 22"
T = 134.92'
L = 268.29'
R = 1,022.00'
P.C. = 142+04.67
P.T. = 144+72.96

P.I. = 14+12.49 B
Y = 485,548.54
X = 780,251.93
DELTA = 3° 47' 58" (LT)
D = 7° 09' 43"
T = 26.54'
L = 53.05'
R = 800.00'
P.C. = 13+85.96 B
P.R.C. = 14+39.01 B
D.A. = N 85°58'12" E

P.I. = 14+47.53 B
Y = 485,551.00
X = 780,286.90
DELTA = 8° 07' 27" (RT)
D = 47° 44' 47"
T = 8.52'
L = 17.02'
R = 120.00'
P.R.C. = 14+39.01 B
P.C.C. = 14+56.03 B
D.B. = S 85°58'12" W

P.I. = 14+84.18 B
Y = 485,548.38
X = 780,323.49
DELTA = 26° 24' 39" (RT)
D = 47° 44' 47"
T = 28.16'
L = 55.32'
R = 120.00'
P.C.C. = 14+56.03 B
P.T. = 15+11.34 B

P.I. = 16+89.74 B
Y = 485,529.26
X = 780,522.26
DELTA = 25° 43' 28" (LT)
D = 47° 44' 47"
T = 27.40'
L = 53.88'
R = 120.00'
P.C. = 16+62.34 B
P.C.C. = 17+16.22 B

P.I. = 17+26.50 B
Y = 485,526.57
X = 780,559.85
DELTA = 9° 48' 02" (LT)
D = 47° 44' 47"
T = 10.29'
L = 20.53'
R = 120.00'
P.C.C. = 17+16.22 B
P.T. = 17+36.74 B

P.I. = 18+75.91 B
Y = 485,541.42
X = 780,708.57
DELTA = 7° 38' 26" (RT)
D = 8° 11' 06"
T = 46.74'
L = 93.35'
R = 700.00'
P.C. = 18+29.16 B
P.T. = 19+22.51 B

P.I. = 50+35.79 G
Y = 486,728.62
X = 780,696.25
DELTA = 31° 57' 08" (LT)
D = 45° 50' 12"
T = 35.79'
L = 69.71'
R = 125.00'
P.C. = 50+00.00 G
P.T. = 50+69.71 G

P.I. = 54+12.30 G
Y = 486,774.28
X = 780,971.86
DELTA = 56° 10' 09" (LT)
D = 12° 54' 16"
T = 236.62'
L = 435.27'
R = 444.00'
P.C. = 51+75.38 G
P.T. = 56+10.65 G

POINT #	STATION	OFFSET	NORTHING	EASTING
7071	129+16.23	52.90'	485583.15	780515.25
7072	129+16.32	46.10'	485597.62	780508.31
7074	130+23.33	33.34'	485699.48	780480.33
7075	130+06.93	44.00'	485685.05	780492.67
7111	50+48.01 G	51.28'	486681.00	780607.41
7112	140+16.64	59.51'	486664.47	780554.39
7115	140+13.04	50.02'	486656.21	780542.12
7117	140+09.15	46.11'	486642.08	780528.41
7118	139+09.20	46.00'	486583.09	780507.51
7119	138+54.28	45.17'	486529.01	780511.43
7120	137+41.59	35.50'	486412.16	780509.73
7122	136+52.11	35.50'	486318.09	780499.07
7123	137+48.96	35.57'	486420.18	780509.84
7126	136+81.74	35.50'	486347.32	780503.92
7386	19+16.36 B	-11.54	485551.55	780749.42
7387	19+15.69 B	-35.21	485575.23	780749.32
8922	142+28.51	-52.29'	486873.59	780422.87
9007	128+64.32	-39.72'	485550.06	780411.20
9129	129+32.79	17.66'	482850.32	780957.39
9241	140+31.39	41.34'	486683.03	780540.14
9361	137+49.23	27.91'	486420.44	780502.17
9766	128+74.95	0.00'	485550.24	780452.32
9805	140+05.88	23.80'	486653.96	780509.25
9846	129+16.23	39.36'	485583.60	780501.62
9858	139+93.84	-45.55'	486685.88	780446.36
9859	140+22.85	0.00'	486684.31	780497.94

POINT #	STATION	OFFSET
TLE7061	20+43.47 B	-39.62
TLE7062	20+43.47 B	-35.18
TLE7063	20+00.00 B	-55.00
TLE7064	17+00.00 B	-80.00
TLE7065	130+00.00	56.00'
TLE7066	131+75.00	70.00'
TLE7067	133+50.00	50.00'
TLE7068	135+00.00	67.00'
TLE7069	137+00.00	61.00'
TLE7070	134+71.52	63.77'
TLE7109	138+30.00	54.00'
TLE710	140+00.00	60.00'
TLE7124	137+48.35	53.97'
TLE7129	51+65.00 G	63.63'
TLE7130	51+65.00 G	71.00'
TLE7131	51+00.00 G	65.00'
TLE7132	50+50.00 G	59.00'
TLE7421	134+71.55	57.00'
TLE7422	137+48.71	42.89'
TLE7423	140+00.12	46.00'
TLE9359	134+71.60	42.00'

COURSE	BEARING	DIST.
9007-9858	N 1° 46' 22" E	1136.36'
9858-9859	S 88° 15' 54" E	51.61'
9859-7111	S 88° 15' 54" E	109.52'
7111-7112	SEE CURVE P15	
7112-7115	SEE CURVE P14	
7115-7117	SEE CURVE P13	
7117-7118	SEE CURVE P12	
7118-7119	S 4° 08' 40" E	54.21'
7119-7123	S 0° 50' 05" W	108.84'
7123-7120	S 0° 50' 05" W	8.03'
7120-7126	SEE CURVE P10	
7126-7122	S 9° 24' 25" W	29.63'
7122-7074	S 1° 44' 06" W	618.89'
7074-7075	S 40° 30' 27" E	18.99'
7075-7072	SEE CURVE P7	
7072-7071	SEE CURVE P6	
7071-7387	S 88° 03' 51" E	234.20'
7387-7386	S 0° 15' 12" E	23.68'
7386-9766	S 89° 44' 48" W	297.11'
9766-9007	S 89° 44' 48" W	41.11'
7071-9846	N 88° 06' 03" W	13.63'
9846-9219	SEE CURVE E125	
9219-7074	N 1° 44' 06" E	90.20'
7122-9361	N 1° 44' 06" E	102.40'
9361-7123	S 88° 04' 05" E	7.67'
7123-7120	S 0° 50' 05" W	8.02'
9361-9805	N 1° 44' 06" E	233.62'
9805-9241	SEE CURVE E129	
9241-7111	S 88° 15' 54" E	67.30'
7123-7120	S 0° 50' 05" W	8.02'
9859-9241	S 88° 15' 54" E	42.22'

CURVE P6
R = 38.00'
L = 16.17'
LC = 16.05'
LCB = S 25° 36' 27" E
DELTA = 24° 22' 46" LT

CURVE P7
R = 778.00'
L = 88.87'
LC = 88.82'
LCB = S 10° 08' 43" E
DELTA = 6° 32' 41" LT

CURVE P10
R = 435.50'
L = 65.16'
LC = 65.10'
LCB = S 5° 07' 15" W
DELTA = 8° 34' 20" RT

CURVE P12
R = 78.00'
L = 64.40'
LC = 62.58'
LCB = S 19° 30' 26" W
DELTA 47° 18' 12" LT

CURVE P13
R = 578.00'
L = 19.69'
LC = 19.69'
LCB = S 44° 08' 04" W
DELTA = 1° 57' 06" LT

CURVE P14
R = 39.00'
L = 14.88'
LC = 14.79'
LCB = S 56° 02' 35" W
DELTA = 21° 51'56" LT

CURVE P15
R = 279.00'
L = 55.63'
LC = 55.54'
LCB = S 72° 41' 17" W
DELTA = 11° 25' 29" LT

CURVE E125
R = 25.00'
L = 39.06'
LC = 35.21'
LCB = N 43° 02' 13" W
DELTA = 89° 28' 52" RT

CURVE E129
R = 30.00'
L = 47.13'
LC = 42.43'
LCB = N 46° 44' 15" E
DELTA = 90° 00' 17" RT

TPP NUMBER 5992-11-00-4.12
AMENDMENT NO:
SHEET 2 OF 2

5992-11-00-4.12

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\TPP\040112_rp 2 of 2.dgn
APPRAISAL PLAT DATE: 3/24/21

PLOT DATE :

PLOT BY : _username_

PLOT NAME :

PLOT SCALE : $$.....plotscale.....$$



TRANSPORTATION PROJECT PLAT TITLE SHEET

PROJECT 5992-11-00

CITY OF MADISON, PLEASANT VIEW ROAD

(MINERAL POINT ROAD TO USH 14)

LOCAL STREET

DANE COUNTY

NOTES

THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 5992-11-00.

DISTANCES SHOWN FROM BUILDINGS TO RIGHT OF WAY LINES ARE APPROXIMATE.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(1997) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL RIGHT-OF-WAY LINES DEPICTED IN NON ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

EXISTING R/W ON MINERAL POINT ROAD BASED ON: R/W PROJECT ID S 0256(4) PINE BLUFF-USH 12 ROAD, CTH S; DOC. NO. 4626777 (PERMANENT LIMITED EASEMENT FOR PUBLIC ROAD PURPOSES); CONVEYANCE DOC. NO.S 1142383 & 1134143.

EXISTING R/W ON PLEASANT VIEW ROAD - SECTION 22 BASED ON: DANE COUNTY HIGHWAY REGISTRY BOOK 1119, P. 119 & 120; DOC. NO. 4626777 (PERMANENT LIMITED EASEMENT FOR PUBLIC ROAD PURPOSES); PLAT OF PRAIRIE POINT; PLAT OF PRAIRIE POINT - PHASE 2; DANE COUNTY CSM NO. 13159; DANE COUNTY CSM NO. 12463; RIGHT OF WAY PLAT PROJECT ID 5992-03-04, OLD SAUK ROAD.

EXISTING R/W ON ELDERBERRY ROAD BASED ON: QUIT CLAIM DEED DOC. NO. 4970973 - STREET VACATION & EXCHANGE OF LANDS; DOC. NO.'S 4969283 AND 4968943; DANE COUNTY CSM NO.S 4056 & 13159.

EXISTING R/W ON THEIS TRAIL BASED ON: PLAT OF PRAIRIE POINT - PHASE 2.

EXISTING R/W ON OLD SAUK ROAD BASED ON RIGHT OF WAY PROJECT ID 5992-03-04, OLD SAUK ROAD; DANE COUNTY CSM NO. 12463; WARRANTY DEED DOC. NO. 3673046; DOC. NO.'S 3668784 AND 3660413 - PERMANENT LIMITED EASEMENTS FOR PUBLIC ROAD PURPOSES; PLAT OF BLACKHAWK SUBDIVISION; PLAT OF LAND AND CEMETERY OF THE GERMAN LUTHERAN CHURCH SOCIETY DATED OCT. 1868; SAUK RIDGE CONDOMINIUM; DOC. NO. 3629933 (RIGHT OF WAY ACQUISITION; SETTLER HILL CONDOMINIUM.

EXISTING R/W ON PLEASANT VIEW ROAD - SECTION 15 BASED ON: PLAT OF BLACKHAWK SUBDIVISION; SECOND ADDITION TO SETTLER HILL CONDOMINIUM; PLAT OF LAND AND CEMETERY OF THE GERMAN LUTHERAN CHURCH SOCIETY DATED OCT. 1868; DANE COUNTY CSM NO.S 1419, 2041, 7424, 8019, 8680, 11328 & 14028; PLAT OF THIRD ADDITION TO BLACKHAWK SUBDIVISION; PLAT OF FIRST ADDITION TO BLACKHAWK SUBDIVISION; PLAT OF OLD SAUK TRAILS PARK SECOND ADDITION; CITY OF MADISON PLAT OF SURVEY- PLEASANT VIEW CEMETERY (2007-01415); PLAT OF OLD SAUK TRAILS PARK FIRST ADDITION; PLAT OF GREENWAY PLAT; PLAT OF GREENWAY CENTER (WEST); PLAT OF OLD SAUK TRAILS PARK SIXTH ADDITION.

EXISTING R/W ON TIMBER WOLF TRAIL BASED ON: PLAT OF BLACKHAWK SUBDIVISION.

EXISTING R/W ON BLACKHAWK ROAD BASED ON: PLAT OF THIRD ADDITION TO BLACKHAWK SUBDIVISION; PLAT OF OLD SAUK TRAILS PARK SECOND ADDITION; DANE COUNTY CSM NO. 14028.

EXISTING R/W ON PLEASANT VIEW ROAD - SECTION 10 SOUTH OF USH 14 BASED ON: PLAT OF GREENWAY CENTER (WEST); RIGHT OF WAY VACATION RESOLUTION DOC. NO. 3230684; DANE COUNTY CSM NO.S 1315, 2147, 7736, 8378 AND 14159; DANE COUNTY HIGHWAY REGISTRY - MIDDLETON TOWN ROAD RECORD VOL. 1, P. 223 & 224, DATED MAY 1, 1913.

EXISTING R/W ON PLEASANT VIEW ROAD - SECTION 10 NORTH OF USH 14 BASED ON: RIGHT OF WAY PROJECT ID 5310-00-21, USH 14; PLAT OF GOLF GREEN INDUSTRIAL PARK; DANE COUNTY CSM NO.S 5476 & 11025.

EXISTING R/W ON GREENWAY BLVD BASED ON: DANE COUNTY CSM NO 8019; PLAT OF OLD SAUK TRAILS PARK SIXTH ADDITION.

EXISTING R/W ON QUARRY ROAD BASED ON: DANE COUNTY CSM NO.S 2147 & 8378; PLAT OF GREENWAY CENTER (WEST).

EXISTING R/W ON USH 14 BASED ON: RIGHT OF WAY PROJECT ID 5310-00-21, USH 14; WISCONSIN AND SOUTHERN RAILROAD PLAT OF SURVEY BY MAYO CORP DATED 11-30-1995; DANE COUNTY CSM NO.S 11068 AND 11025; PLAT OF GOLF GREEN INDUSTRIAL PARK; REPLAT OF THE FIRST ADDITION TO GOLF GREEN INDUSTRIAL PARK; PLAT OF WEST METRO BUISINESS PARK.

EXISTING R/W ON WSOR RAILROAD (WISDOT) BASED ON: WISCONSIN AND SOUTHERN RAILROAD PLAT OF SURVEY BY MAYO CORP DATED 11-30-1995; C.M.ST.P.&P. RAILROAD RIGHT OF WAY MAP (BROOKFIELD - PRAIRIE DU CHIEN V-11 P. 23; QUIT CLAIM DEED FROM C,M,ST,P&P RAILROAD TO WISDOT IN REEL 176 PAGE 566.

EXISTING R/W ON UNIVERSITY GREEN BASED ON: PLAT OF GOLF GREEN INDUSTRIAL PARK; DANE COUNTY CSM NO.S 5476, 11068 & 11025.

EXISTING ACCESS CONTROL ALONG PLEASANT VIEW ROAD ESTABLISHED FROM DANE COUNTY CERTIFIED SURVEY MAPS 2147, 8680 AND 13159; THE PLAT OF PRAIRIE POINTE - PHASE 2; AND THE GREENWAY PLAT.

EXISTING ACCESS CONTROL ALONG OLD SAUK ROAD ESTABLISHED FROM DANE COUNTY CERTIFIED SURVEY MAP NO.S 2021, 5030 AND 12463.

EXISTING ACCESS CONTROL ALONG USH 14 ESTABLISHED BY CONTROLLED ACCESS PROJECT 5310-1-29. FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE WISCONSIN DEPARTMENT OF TRANSPORTATION, THE CITY OF MADISON ENGINEERING DEPT. OR CITY OF MIDDLETON ENGINEERING DEPT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 3/4" X 24" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

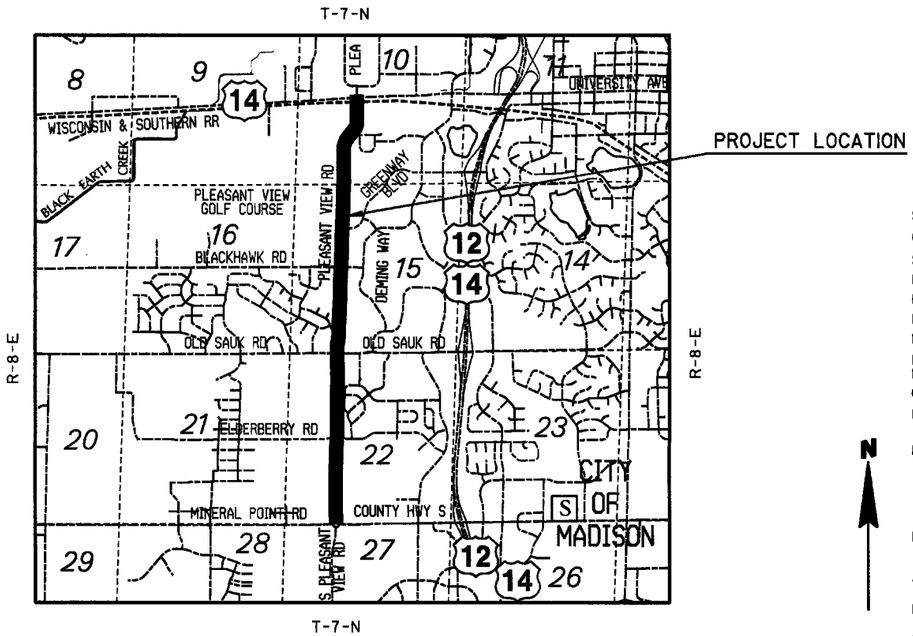
PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY LINES AND AREAS OF FEE ACQUISITION, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE LAND SURVEY.

A TEMPORARY LIMITED EASEMENT (T.L.E.) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (T.L.E.'S) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (P.L.E.) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES AND PUBLIC UTILITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS AND INTERESTS REQUIRED.



LAYOUT

SCALE 0 0.25 MI.

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	REBAR	RBR
AND OTHERS	ET AL	RECORDED AS	(100')
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
BUILDING	BLDG	RIGHT	RT
CENTERLINE	C/L	RIGHT OF WAY	R/W
CERTIFIED SURVEY MAP	CSM	SECTION	SEC
CONCRETE	CONC	SEPTIC VENT	SEPV
COUNTY	CO	SQUARE FEET	SF
COUNTY TRUNK HIGHWAY	CTH	STATE TRUNK HIGHWAY	STH
DISTANCE	DIST	STATION	STA
CORNER	COR	SUBDIVISION	SUBD
DOCUMENT NUMBER	DOC	TANGENT	TAN
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
HOUSE	H		
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA

LONG CHORD	LC
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	Δ
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC) W (TYPE)
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT
EASEMENT AREA (HIGHWAY, PERMANENT LIMITED, OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
NATIONAL GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT

SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS (CAUTION)
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES (CAUTION)

R/W MONUMENT
NON-MONUMENTED R/W POINT
FOUND IRON PIN (3/4" REBAR UNLESS NOTED) IP
VALVE (GAS, WATER, ETC.) (TYPE)
SIGN
OFF-PREMISE SIGN
R/W BOUNDARY POINT (200)
TLE POINT (TLE205)

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE	■	□
TELEPHONE POLE	⌀	⌀
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	⌧	⌧

ACCESS CONTROLLED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)

BRIDGE

PARCEL NUMBER (25)
UTILITY NUMBER (40)

CONVENTIONAL UTILITY SYMBOLS

WATER	W	SANITARY SEWER	SAN
GAS	G	STORM SEWER	SS
TELEPHONE	T		
OVERHEAD TRANSMISSION LINES	OH	NON COMPENSABLE	COMPENSABLE
ELECTRIC	E	POWER POLE	■
CABLE TELEVISION	TV	TELEPHONE POLE	⌀
FIBER OPTIC	FO	TELEPHONE PEDESTAL	⌧
		ELECTRIC TOWER	⊠

TPP NUMBER 5992-11-00-4.07
SHEET 2 OF 3

FILE NAME : S:\MAD\1000--1099\1020\101\Mlloros\TPP\040107_rt.dgn PLOT DATE : PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

5992-09-40-4.07

Doc# 5764456

STRAND ASSOCIATES, INC.
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 5992-11-00-4.07 AMENDMENT NO. 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

(SIGNATURE) Heather Bartelt DATE 7/28/21
(PRINTED NAME) HEATHER S. BARTELT
(REGISTRATION NUMBER) S - 2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF MIDDLETON.
(SIGNATURE) [signature] DATE 8/17/2021
(PRINTED NAME) GURDIP BRAR - MAYOR
(SIGNATURE) [signature] DATE 8-17-2021
(PRINTED NAME) LORIE J. BURNS - CITY CLERK

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS DOCUMENT NO. 5668191.

Office of Register of Deeds
Dane County, Wisconsin
Received for Record 25th day of August
20 21 at 1:22 o'clock P M
and recorded in vol. 61-051A
of Plats on page 284-285
Kristi Chlebrowski by
Tabsanga Delma Deputy Register

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-11-00-4.07
SHEET 1 OF 2
AMENDMENT NO: 1

LOCATION SKETCH
NOT TO SCALE

SCALE, FEET
0 50 100

MATCH LINE STA. 12+50.00 B

10236
FOUND BRASS CAP
Y 485544.220
X 779090.602

BLACKHAWK ROAD

LOT 1
CSM NO. 14028
VOL. 94 P. 50-53
DOC. NO. 5172646

CITY OF MIDDLETON

SW-NW SEC. 15

MADISON GAS & ELECTRIC 30' ELECTRIC EASEMENT DOC. 1993465, 1193466, 1193467 (APPROXIMATE LOCATION) ASSIGNED TO ATC DOC. 3283455

PLEASANT VIEW GOLF COURSE (CITY OF MIDDLETON)

PLEASANT VIEW ROAD

NW-NW SEC. 15

NE-NW SEC. 15

SE-NW SEC. 15

LOT 32
PLAT OF OLD SAUK TRAILS
PARK SECOND ADDITION

LOT 1
CSM 8680
VOL. 48 P. 19
DOC. NO. 2883107

CITY OF MADISON

LOT 65
PLAT OF OLD SAUK TRAILS
PARK SIXTH ADDITION

GREENWAY BLVD.

CITY OF MIDDLETON

LOT 1
CSM 8019
VOL. 42 P. 299
DOC. NO. 2719093

LOT 33
PLAT OF OLD SAUK TRAILS
PARK SECOND ADDITION

10035
SURVEY MARKER SPIKE
Y 485555.896
X 781731.801

BLACKHAWK ROAD

1-1/4" REBAR

PLASTIC CAP

100	ALLIANT ENERGY EASEMENT ON CSM 8019 DOC. 2719093 PARCEL 13
100	ALLIANT ENERGY 12' WP&L UNDERGROUND ELECTRIC EASEMENT DOC. 1959148 PARCEL 13
102	CHARTER CABLE PARTNERS, LLC NON-EXCLUSIVE EASEMENT FOR CABLE OPERATIONS OVER LOTS 1 & 2 OF CSM 8019 DOC. 4889353 PARCEL OF EXIST. R/W
104	AMERICAN TRANSMISSION CO. MADISON GAS & ELECTRIC 30' ELECTRIC EASEMENT DOC. NO. 1993465, 1193466 &1193467 ASSIGNED TO ATC IN DOC. 1193477 & DOC. 3283455 PARCEL 10
105	TDS METROCOM EASEMENT ON CSM 8019 DOC. 2719093 PARCEL 13
106	TDS TELECOM EASEMENT ON CSM 8019 DOC. 2719093 PARCEL 13

HWY	
PLEASANT VIEW ROAD	PLATS OF OLD SAUK TRAILS PARK SECOND & SIXTH ADDITIONS; DANE COUNTY CSM NO.S 8680, 8019 & 14028.
BLACKHAWK ROAD	DANE COUNTY CSM NO. 14028; PLAT OF OLD SAUK TRAILS PARK SECOND ADDITION.

EXISTING ACCESS CONTROL ON N. PLEASANT VIEW ROAD PER CSM 8680.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

SEE SHEET 2 OF 2 FOR STATION/OFFSET TABLES, CURVE DATA, AND COURSE TABLES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE CITY OF MIDDLETON.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W S.F. REQUIRED NEW	EXISTING	TOTAL	TLE S.F.	PLE S.F.
8	8850 BLACKHAWK LLC	FEE,PLE,TLE	393	---	393	3950	1100
10	CITY OF MIDDLETON	FEE,PLE,TLE	29323	28782	58105	69520	12592
13	EAGLE RIDGE ASSOCIATES LLC	FEE, TLE	4040	---	4040	5351	---

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
100	ALLIANT ENERGY	RELEASE OF RIGHTS
102	CHARTER CABLE PARTNERS, LLC	RELEASE OF RIGHTS
104	AMERICAN TRANSMISSION COMPANY	RELEASE OF RIGHTS
105	TDS METROCOM	RELEASE OF RIGHTS
106	TDS TELECOM	RELEASE OF RIGHTS

* EXCLUDE BUILDINGS THAT LIE PARTIALLY OR WHOLLY WITHIN A TEMPORARY LIMITED EASEMENT.

TRANSPORTATION PROJECT PLAT NO: 5992-11-00 - 4.07 AMENDMENT NO. 1

AMENDS PARCEL NO. 8 OF TRANSPORTATION PROJECT PLAT 5992-11-00-4.07 RECORDED AS DOCUMENT NO. 5668191 AND FILED IN VOLUME 61-039B OF PLATS ON PAGE 221-223.

THAT PART OF LOT 1 OF CSM 8019 IN THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 15, T7N, R8E, AND THAT PART OF LOT 1 CSM 14028 AND OTHER LANDS IN THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 15, ALL IN THE CITY OF MIDDLETON, T7N, R8E, DANE COUNTY, WISCONSIN.

RELOCATION ORDER LOCAL STREET DANE COUNTY CITY OF MADISON, PLEASANT VIEW ROAD (MINERAL POINT ROAD TO USH 14)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF MIDDLETON DEEM IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MIDDLETON HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MIDDLETON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\TPP\040107_rp A1.dgn
PLOT DATE :
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$
APPRAISAL PLAT DATE: 7/28/2021

TRANSPORTATION PROJECT PLAT NO: 5992-11-00 - 4.07

RELOCATION ORDER LOCAL STREET DANE COUNTY CITY OF MADISON, PLEASANT VIEW ROAD (MINERAL POINT ROAD TO USH 14)

P.I. = 127+47.51
Y = 485,431.04
X = 780,398.52
DELTA = 46° 55' 16" (RT)
D = 46° 12' 23"
T = 53.82'
L = 101.55'
R = 124.00'
P.C. = 126+93.70
P.T. = 127+95.23

P.I. = 129+16.23
Y = 485,590.16
X = 780,462.82
DELTA = 23° 56' 50" (LT)

P.I. = 129+94.06
Y = 485,666.99
X = 780,450.37
DELTA = 2° 52' 21" (RT)
D = 6° 58' 13"
T = 20.61'
L = 41.21'
R = 822.00'
P.C. = 129+73.45
P.C.C. = 130+14.66

P.I. = 130+86.88
Y = 485,759.25
X = 780,440.13
DELTA = 8° 04' 06" (RT)
D = 5° 35' 43"
T = 72.22'
L = 144.20'
R = 1,024.00'
P.C.C. = 130+14.66
P.T. = 131+58.87

P.I. = 136+01.14
Y = 486,273.51
X = 780,455.70
DELTA = 7° 40' 19" (RT)
D = 11° 27' 33"
T = 33.53'
L = 66.95'
R = 500.00'
P.C. = 135+67.62
P.T. = 136+34.57

P.I. = 137+32.42
Y = 486,403.12
X = 780,477.18
DELTA = 14° 26' 29" (LT)
D = 14° 19' 26"
T = 50.68'
L = 100.82'
R = 400.00'
P.C. = 136+81.74
P.T. = 137+82.56

P.I. = 139+58.85
Y = 486,629.21
X = 780,457.26
DELTA = 45° 09' 54" (RT)
D = 46° 12' 23"
T = 51.57'
L = 97.75'
R = 124.00'
P.C. = 139+07.28
P.T. = 140+05.03

P.I. = 140+13.04
Y = 486,674.78
X = 780,495.67
DELTA = 26° 43' 06" (LT)

P.I. = 141+36.33
Y = 486,794.70
X = 780,524.26
DELTA = 26° 43' 06" (LT)

P.I. = 143+39.59
Y = 486,992.50
X = 780,477.48
DELTA = 15° 02' 27" (RT)
D = 5° 36' 22"
T = 134.92'
L = 268.29'
R = 1,022.00'
P.C. = 142+04.67
P.T. = 144+72.96

P.I. = 14+12.49 B
Y = 485,548.54
X = 780,251.93
DELTA = 3° 47' 58" (LT)
D = 7° 09' 43"
T = 26.54'
L = 53.05'
R = 800.00'
P.C. = 13+85.96 B
P.R.C. = 14+39.01 B
D.A. = N 85°58'12" E

P.I. = 14+47.53 B
Y = 485,551.00
X = 780,286.90
DELTA = 8° 07' 27" (RT)
D = 47° 44' 47"
T = 8.52'
L = 17.02'
R = 120.00'
P.R.C. = 14+39.01 B
P.C.C. = 14+56.03 B
D.B. = S 85°58'12" W

P.I. = 14+84.18 B
Y = 485,548.38
X = 780,323.49
DELTA = 26° 24' 39" (RT)
D = 47° 44' 47"
T = 28.16'
L = 55.32'
R = 120.00'
P.C.C. = 14+56.03 B
P.T. = 15+11.34 B

P.I. = 16+89.74 B
Y = 485,529.26
X = 780,522.26
DELTA = 25° 43' 28" (LT)
D = 47° 44' 47"
T = 27.40'
L = 53.88'
R = 120.00'
P.C. = 16+62.34 B
P.C.C. = 17+16.22 B

P.I. = 17+26.50 B
Y = 485,526.57
X = 780,559.85
DELTA = 9° 48' 02" (LT)
D = 47° 44' 47"
T = 10.29'
L = 20.53'
R = 120.00'
P.C.C. = 17+16.22 B
P.T. = 17+36.74 B

P.I. = 18+75.91 B
Y = 485,541.42
X = 780,708.57
DELTA = 7° 38' 26" (RT)
D = 8° 11' 06"
T = 46.74'
L = 93.35'
R = 700.00'
P.C. = 18+29.16 B
P.T. = 19+22.51 B

P.I. = 50+35.79 G
Y = 486,728.62
X = 780,596.25
DELTA = 31° 57' 08" (LT)
D = 45° 50' 12"
T = 35.79'
L = 69.71'
R = 125.00'
P.C. = 50+00.00 G
P.T. = 50+69.71 G

P.I. = 54+12.30 G
Y = 486,774.28
X = 780,971.86
DELTA = 56° 10' 09" (LT)
D = 12° 54' 16"
T = 236.62'
L = 435.27'
R = 444.00'
P.C. = 51+75.38 G
P.T. = 56+10.65 G

POINT #	STATION	OFFSET	NORTHING	EASTING
7091	132+05.01	-80.50'	485879.99	780363.25
7111	50+48.01 G	51.28'	486681.00	780607.41
7128	142+39.48	-109.91'	486873.57	780393.34
7150	141+36.33	53.19'	486785.97	780576.74
7372	142+06.96	45.00'	486873.70	780551.82
7384	127+68.61	-222.96'	485549.20	780217.78
7388	50+43.99 G	-52.66'	486784.95	780610.56
7389	140+95.25	96.87'	486732.27	780608.96
9007	128+64.32	-39.71'	485550.06	780411.20
9010	142+28.51	-52.29'	486873.62	780452.17
9226	129+58.79	-114.34'	485613.87	780343.14
9241	140+31.39	41.35'	486683.03	780540.14
9247	132+04.59	-92.36'	485879.94	780351.38
9770	142+17.45	-0.00'	486873.66	780505.67
9858	139+93.84	-45.55'	486685.87	780446.35
9900	14+48.25 B	-38.81'	485589.51	780287.89
9901	129+53.58	-115.96'	485608.47	780287.89

POINT #	STATION	OFFSET	NORTHING	EASTING
PLE7078	13+78.33 B	-40.80'	485589.20	780217.60
PLE7079	129+60.55	-114.00'	485615.67	780343.20
PLE7096	138+96.18	-79.23'	486559.83	780383.84
PLE7097	139+15.34	-157.13'	486582.30	780304.25
PLE7098	139+70.97	-182.23'	486715.20	780306.42
PLE7099	139+80.70	-136.07'	486714.37	780357.60
PLE7100	140+86.63	-125.80'	486775.54	780390.37

POINT #	STATION	OFFSET
TLE7077	10+70.00 B	-40.68'
TLE7080	129+70.00	-112.16'
TLE7084	10+70.00 B	-50.00'
TLE7085	12+25.00 B	-42.00'
TLE7086	12+45.00 B	-53.00'
TLE7087	14+10.00 B	-52.00'
TLE7088	129+73.33	-176.08'
TLE7089	129+67.58	-140.65'
TLE7090	129+75.45	-138.96'
TLE7141	52+40.00 G	-40.12'
TLE7142	51+60.00 G	-71.00'
TLE7143	50+80.00 G	-63.00'
TLE7144	141+55.00	57.00'
TLE7373	142+03.77	58.12'
TLE7393	132+15.00	-158.00'
TLE7394	134+00.00	-170.00'
TLE7395	136+00.00	-170.00'
TLE7396	137+20.00	-175.00'
TLE7397	138+00.00	-183.00'
TLE7398	142+00.00	-190.00'
TLE7404	142+51.49	-180.66'

COURSE	BEARING	DIST.
7384-PLE7078	N 0° 15' 12" W	40.00'
PLE7078-9900	N 89° 44' 47" E	70.28'
9900-9901	N 70° 49' 14" E	57.70'
9901-9226	SEE CURVE 9	
9226-9247	N 1° 46' 22" E	266.19'
9247-7091	N 89° 44' 48" E	11.87'
7091-7128	N 1° 44' 06" E	994.03'
7128-9010	N 89° 57' 18" E	58.82'
9010-9770	N 89° 57' 18" E	53.51'
9770-7372	N 89° 57' 18" E	46.15'
7372-7150	SEE CURVE P218	
7150-7388	S 88° 16' 25" E	33.84'
7388-7389	S 1° 44' 06" W	52.71'
7389-7111	S 1° 44' 06" W	51.29'
7111-9241	N 88° 15' 54" W	67.30'
9241-9858	N 88° 15' 54" W	93.83'
9858-9007	S 1° 46' 22" W	1136.36'
9007-7384	S 89° 44' 48" W	193.42'

COURSE	BEARING	DIST.
7091-PLE7096	N 1° 44' 06" E	680.15'
PLE7096-PLE7097	N 74° 14' 11" W	82.70'
PLE7097-PLE7098	N 0° 56' 05" E	132.93'
PLE7098-PLE7099	S 89° 03' 55" E	51.18'
PLE7099-PLE7100	N 28° 11' 04" E	69.40'
PLE7100-7128	N 1° 44' 06" E	98.08'
PLE7100-PLE7096	S 1° 44' 06" W	215.81'
PLE7078-PLE7079	N 78° 05' 56" E	128.36'
PLE7079-9247	N 1° 46' 22" E	264.39'

CURVE P9
R = 25.00'
L = 5.47'
LC = 5.46'
LCB = N 8° 02' 31" E

CURVE P218
R = 977.00'
L = 91.23'
LC = 91.20'
LCB = S 15° 51' 9" E

TPP NUMBER 5992-11-00-4.07
AMENDMENT NO. 1
SHEET 2 545

TRANSPORTATION PROJECT PLAT NO: 5992-11-00-4.08

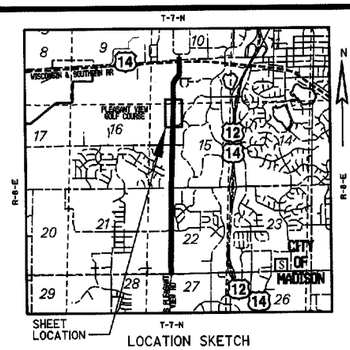
THAT PART OF LOT 1 CSM 8019, AND THAT PART OF OUTLOTS 1 AND 2, AND LOTS 4 AND LOT 5 OF GREENWAY PLAT, AND THAT PART OF LOT 3 OF THE PLAT OF GREENWAY CENTER (WEST), IN THE NORTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 15; AND OTHER LAND IN THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 15; ALL IN T7N, R8E, CITY OF MIDDLETON, DANE COUNTY, WISCONSIN.

RELOCATION ORDER LOCAL STREET DANE COUNTY CITY OF MADISON, PLEASANT VIEW ROAD (MINERAL POINT ROAD TO USH 14)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF MIDDLETON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MIDDLETON HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MIDDLETON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.



LOCATION SKETCH
NOT TO SCALE

STRAND ASSOCIATES, INC.
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF MIDDLETON, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 5992-11-00-4.08 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

(SIGNATURE) _____ DATE 12/10/20
(PRINTED NAME) HEATHER S. BARTELT
(REGISTRATION NUMBER) S - 2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF MIDDLETON.

(SIGNATURE) _____ DATE 12-14-2020
(PRINTED NAME) GURDIP BRAR - MAYOR
(SIGNATURE) _____ DATE 12-14-2020
(PRINTED NAME) LORIE J. BURNS - CITY CLERK

Office of Register of Deeds
Dane County, Wisconsin
Received for Record December 18
20 20 at 11:52 o'clock P M
and recorded in vol. 61-040A
of Plats on pages 224-225
Kristi Chlebowski by
S. Diebolt, Deputy Register

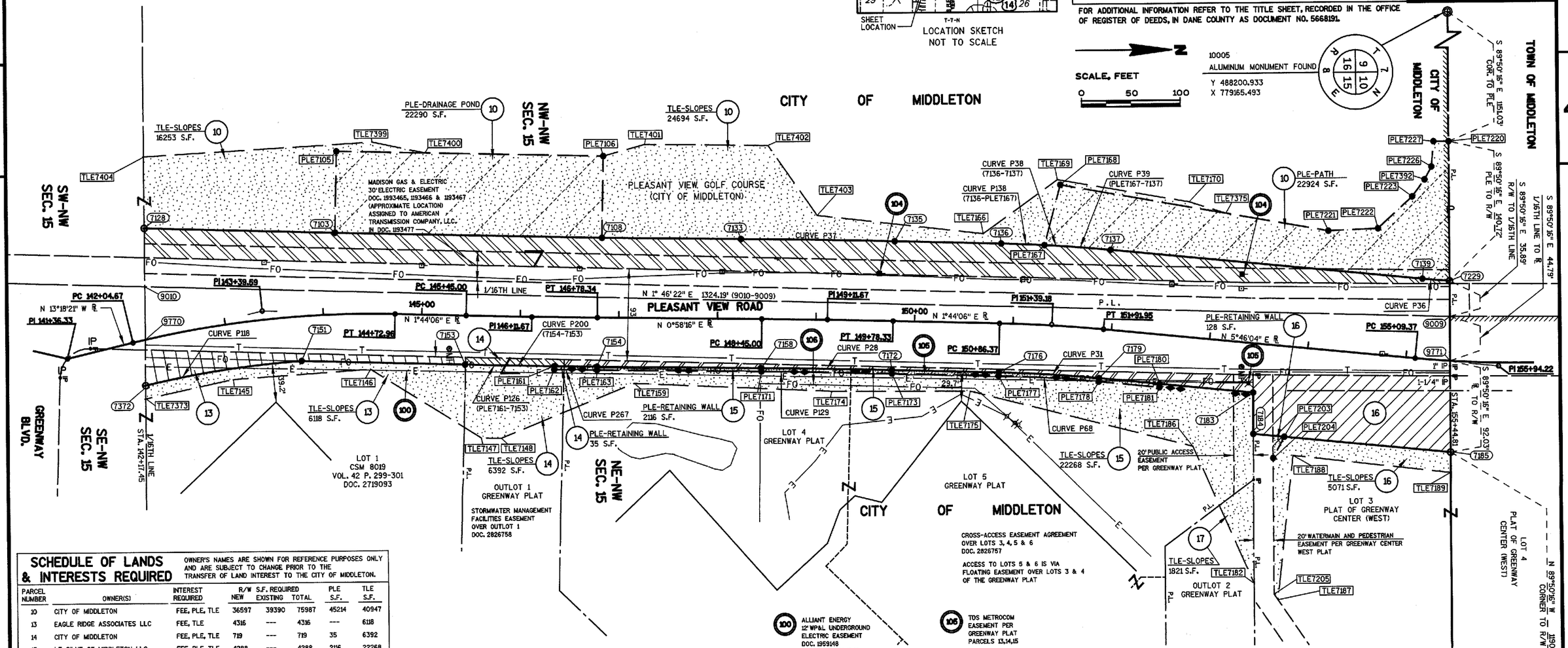
Doc. # 5675874

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-11-00-4.08
SHEET 1 OF 2
AMENDMENT NO:

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS DOCUMENT NO. 5668191.

SCALE, FEET
0 50 100

10005
ALUMINUM MONUMENT FOUND
Y 488200.933
X 779165.493



SCHEDULE OF LANDS & INTERESTS REQUIRED	OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE CITY OF MIDDLETON.						
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W S.F. REQUIRED NEW	EXISTING	TOTAL	PLE S.F.	TLE S.F.
10	CITY OF MIDDLETON	FEE, PLE, TLE	36597	39390	75987	45214	40947
13	EAGLE RIDGE ASSOCIATES LLC	FEE, TLE	4316	---	4316	---	6118
14	CITY OF MIDDLETON	FEE, PLE, TLE	719	---	719	35	6392
15	LE SILVE OF MIDDLETON LLC	FEE, PLE, TLE	4288	---	4288	2116	22268
16	GREENWAY PROPERTIES INC.	FEE, TLE	13620	---	13620	128	5071
17	CITY OF MIDDLETON	TLE	---	---	---	---	1821

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
100	ALLIANT ENERGY	RELEASE OF RIGHTS
101	MADISON GAS & ELECTRIC - ELECTRIC	RELEASE OF RIGHTS
102	CHARTER CABLE PARTNERS	RELEASE OF RIGHTS
104	AMERICAN TRANSMISSION COMPANY	RELEASE OF RIGHTS
105	TDS METROCOM	RELEASE OF RIGHTS
106	TDS TELECOM	RELEASE OF RIGHTS
107	MADISON GAS & ELECTRIC - GAS	RELEASE OF RIGHTS
108	CITY OF MIDDLETON - WATER	RELEASE OF RIGHTS

* EXCLUDE BUILDINGS THAT LIE PARTIALLY OR WHOLLY WITHIN A TEMPORARY LIMITED EASEMENT.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

SEE SHEET 2 OF 2 FOR STATION/OFFSET TABLES, CURVE DATA, AND COURSE TABLES.

EXISTING ACCESS CONTROL ALONG PLEASANT VIEW ROAD PER GREENWAY PLAT

HWY	BASIS OF EXIST. R/W
PLEASANT VIEW ROAD	GREENWAY PLAT, PLAT OF GREENWAY CENTER (WEST), DANE COUNTY CSM NO. 8019

100 ALLIANT ENERGY
12' WP&L UNDERGROUND ELECTRIC EASEMENT
DOC. 1959148
PARCELS 13,14,15,17

101 MADISON GAS & ELECTRIC - ELECTRIC
50' EASEMENT
DOC. 1415246
PARCEL 10

102 CHARTER CABLE PARTNERS
BLANKET EASE. LOTS 4 & 5
GREENWAY PLAT
DOC. 4889348
PARCEL 15

104 AMERICAN TRANSMISSION COMPANY
MADISON GAS & ELECTRIC
30' EASEMENT
DOC. 1193465, 1193466 & 1193467
ASSIGNED TO ATC
IN DOC. 1193477
PARCEL 10

105 TDS METROCOM
EASEMENT PER
GREENWAY PLAT
PARCELS 13,14,15

106 TDS TELECOM
NO RECORDED EASEMENT
PARCEL 15

107 MADISON GAS & ELECTRIC - GAS
15' EASEMENT
DOC. 5568937
PARCEL 15

108 CITY OF MIDDLETON - WATER
EASEMENT PER GREENWAY
CENTER WEST PLAT
PARCEL 15

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\TPP\040108_rp.dgn
APPRAISAL PLAT DATE: 12/10/20
PLOT DATE :
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$
5992-11-00-4.08

TRANSPORTATION PROJECT PLAT NO: 5992-11-00 - 4.08

RELOCATION ORDER LOCAL STREET DANE COUNTY CITY OF MADISON, PLEASANT VIEW ROAD (MINERAL POINT ROAD TO USH 14)

POINT #	STATION	OFFSET	NORTHING	EASTING
7103	144+14.90	-82.28'	487067.13	780399.20
7108	146+82.32	-80.50'	487338.01	780406.47
7128	142+39.48	-109.91'	486873.57	780393.34
7133	148+23.35	-80.48'	487479.02	780408.89
7135	149+78.33	-80.50'	487635.04	780412.41
7136	150+86.37	-80.50'	487743.03	780415.68
7137	151+91.95	-80.50'	487854.01	780422.95
7139	155+09.37	-80.50'	488169.83	780454.85
7151	143+74.83	45.00'	487032.25	780528.21
7153	145+45.00	49.50'	487197.87	780533.22
7154	146+78.34	49.50'	487331.83	780536.39
7158	148+45.00	49.50'	487498.47	780539.21
7172	149+78.33	49.50'	487631.10	780542.35
7176	150+86.37	49.50'	487739.09	780545.62
7179	151+91.95	49.50'	487840.94	780552.29
7183	153+48.88	49.50'	487997.09	780568.07
7184	153+52.92	91.00'	487996.93	780609.76
7185	155+50.28	91.85'	488196.79	780629.95
7229	155+39.18	-80.50'	488197.28	780457.24
7372	142+06.96	45.00'	486873.70	780551.82
9009	155+41.79	-44.69'	488197.18	780493.13
9010	142+28.51	-52.29'	486873.62	780452.17
9770	142+17.45	0.00'	486873.66	780505.67
9771	155+44.81	-0.00'	488197.05	780537.92

POINT #	STATION	OFFSET	NORTHING	EASTING
PLE7105	144+18.61	-164.31'	487069.26	780317.10
PLE7106	146+83.06	-162.88'	487340.15	780324.12
PLE7161	146+35.08	49.50'	487288.36	780535.56
PLE7162	146+35.08	53.00'	487288.29	780539.06
PLE7163	146+78.34	53.00'	487331.77	780539.89
PLE7167	151+28.00	-80.50'	487786.85	780417.61
PLE7168	151+40.00	-142.00'	487803.52	780357.03
PLE7171	148+45.00	53.00'	487498.41	780542.71
PLE7173	149+78.33	53.00'	487631.00	780545.84
PLE7177	150+86.37	53.00'	487738.98	780549.11
PLE7178	151+91.95	53.00'	487840.59	780555.78
PLE7180	152+53.80	49.50'	487902.49	780558.51
PLE7181	152+53.80	53.00'	487902.14	780561.99
PLE7203	153+84.53	91.00'	488028.39	780612.94
PLE7204	153+75.25	113.40'	488016.90	780634.29
PLE7220	155+26.79	-220.82'	488197.67	780316.52
PLE7221	154+10.00	-120.00'	488074.93	780405.57
PLE7222	154+60.00	-127.00'	488125.38	780403.63
PLE7223	154+91.55	-162.21'	488160.30	780371.76
PLE7226	155+08.21	-194.03'	488180.08	780341.78
PLE7227	155+08.01	-219.51'	488182.44	780316.41
PLE7392	155+02.51	-180.35'	488173.03	780354.82

POINT #	STATION	OFFSET
TLE7145	143+00.00	56.00'
TLE7146	144+48.00	56.00'
TLE7147	145+63.00	123.00'
TLE7148	145+83.00	123.00'
TLE7159	147+16.00	66.00'
TLE7166	150+68.00	-90.00'
TLE7169	151+37.00	-147.00'
TLE7170	152+67.00	-136.00'
TLE7174	149+17.00	72.00'
TLE7175	150+58.00	69.00'
TLE7182	153+67.51	241.00'
TLE7186	152+93.00	109.00'
TLE7187	153+93.00	255.18'
TLE7188	153+95.00	109.00'
TLE7189	155+51.38	112.37'
TLE7205	153+88.59	249.89'
TLE7373	142+03.77	58.12'
TLE7375	153+05.00	-128.03'
TLE7399	144+50.00	-173.00'
TLE7400	145+00.00	-163.02'
TLE7401	147+25.00	-175.00'
TLE7402	148+50.00	-175.00'
TLE7403	149+00.00	-105.00'
TLE7404	142+51.49	-180.66'

COURSE	BEARING	DIST.
7128-7103	N 1° 44' 06" E	193.65'
7103-7108	N 1° 32' 15" E	270.98'
7108-7133	N 0° 58' 49" E	141.03'
7133-7135	SEE CURVE P37	
7135-7136	N 1° 44' 06" E	108.04'
7136-7137	SEE CURVE P38	
7137-7139	N 5° 46' 04" E	317.43'
7139-7229	SEE CURVE P36	
7229-9009	S 89° 50' 16" E	35.89'
9009-9771	S 89° 50' 16" E	44.79'
9771-7190	S 89° 50' 16" E	49.60'
7190-7185	S 89° 50' 16" E	42.43'
7185-7184	S 5° 46' 04" W	200.87'
7184-7183	N 89° 47' 21" W	41.70'
7183-7179	S 5° 46' 04" W	156.94'
7179-7176	SEE CURVE P31	
7176-7172	S 1° 44' 06" W	108.04'
7172-7158	SEE CURVE P28	
7158-7154	S 0° 58' 16" W	166.66'
7154-7153	SEE CURVE P200	
7153-7151	S 1° 44' 06" W	165.70'
7151-7372	SEE CURVE P118	
7372-9770	S 89° 57' 19" W	46.15'
9770-9010	S 89° 57' 18" W	53.51'
9010-7128	S 89° 57' 18" W	58.82'

CURVE P31
R = 1450.50'
L = 102.09'
LC = 102.07'
LCB = S 3° 45' 5" W

CURVE P36
R = 985.50'
L = 27.55'
LC = 27.55'
LCB = N 4° 58' 0" E

CURVE P37
R = 10080.50'
L = 156.06'
LC = 156.06'
LCB = N 1° 17' 29" E

CURVE P38
R = 1580.50'
L = 111.24'
LC = 111.22'
LCB = N 3° 45' 5" E

CURVE P28
R = 9950.50'
L = 132.68'
LC = 132.68'
LCB = S 1° 21' 11" W

CURVE P200
R = 10049.50'
L = 134.00'
LC = 134.00'
LCB = S 1° 21' 11" W

CURVE P118
R = 977.00'
L = 160.48'
LC = 160.30'
LCB = S 8° 28' 19" E

P.I. = 141+36.33
Y = 486,794.70
X = 780,524.26
DELTA = 26° 43' 06" (LT)

P.I. = 143+39.59
Y = 486,992.51
X = 780,477.48
DELTA = 15° 02' 27" (RT)
D = 5° 36' 22"
T = 134.92'
L = 268.29'
R = 1,022.00'
P.C. = 142+04.67
P.T. = 144+72.96

P.I. = 146+11.67
Y = 487,266.01
X = 780,485.77
DELTA = 0° 45' 50" (LT)
D = 0° 34' 23"
T = 66.67'
L = 133.34'
R = 10,000.00'
P.C. = 145+45.00
P.T. = 146+78.34

P.I. = 149+11.67
Y = 487,565.96
X = 780,490.85
DELTA = 0° 45' 50" (RT)
D = 0° 34' 23"
T = 66.67'
L = 133.34'
R = 10,000.00'
P.C. = 148+45.00
P.T. = 149+78.33

P.I. = 151+39.18
Y = 487,793.38
X = 780,497.74
DELTA = 4° 01' 58" (RT)
D = 3° 49' 11"
T = 52.81'
L = 105.58'
R = 1,500.00'
P.C. = 150+86.37
P.T. = 151+91.95

P.I. = 155+94.22
Y = 488,246.16
X = 780,543.47
DELTA = 9° 06' 07" (LT)
D = 5° 22' 29"
T = 84.85'
L = 169.34'
R = 1,066.00'
P.C. = 155+09.37
P.T. = 156+78.71

COURSE	BEARING	DIST.
7183-PLE7180	S 5° 46' 04" W	
PLE7180-PLE7181	S 84° 13' 56" E	95.08'
PLE7181-PLE7178	S 5° 46' 04" W	3.50'
PLE7178-PLE7177	SEE CURVE P68	61.86'
PLE7177-PLE7173	S 1° 44' 06" W	
PLE7173-PLE7171	SEE CURVE P129	108.04'
PLE7171-PLE7163	S 0° 58' 16" W	
PLE7163-PLE7162	SEE CURVE P267	166.66'
PLE7162-PLE7161	N 88° 46' 52" W	43.49'
PLE7161-7153	SEE CURVE P126	3.50'
7103-PLE7105	N 88° 30' 53" W	82.13'
PLE7105-PLE7106	N 1° 29' 07" E	270.98'
PLE7106-7108	S 88° 30' 53" E	82.38'
7136-PLE7167	SEE CURVE P138	
PLE7167-PLE7168	N 74° 36' 29" W	
PLE7168-PLE7221	N 10° 08' 21" E	62.84'
PLE7221-PLE7222	N 2° 12' 07" W	275.71'
PLE7222-PLE7223	N 42° 22' 27" W	50.49'
PLE7223-PLE7392	N 53° 05' 23" W	47.28'
PLE7392-PLE7226	N 61° 36' 49" W	21.19'
PLE7226-PLE7227	N 84° 41' 06" W	14.82'
PLE7227-PLE7220	N 0° 25' 18" E	25.48'
PLE7220-7229	S 89° 50' 16" E	15.24'
PLE7167-7137	SEE CURVE P39	140.72

CURVE P39
R = 1580.50'
L = 67.38'
LC = 67.37'
LCB = N 4° 32' 47" E

CURVE P68
R = 1447.00'
L = 101.85'
LC = 101.82'
LCB = S 3° 45' 05" W

CURVE P126
R = 10049.50'
L = 90.52'
LC = 90.52'
LCB = S 1° 28' 37" W

CURVE P129
R = 9947.00'
L = 132.63'
LC = 132.63'
LCB = S 1° 21' 11" W

CURVE P138
R = 1580.50'
L = 43.86'
LC = 43.86'
LCB = N 2° 31' 48" E

CURVE P267
R = 10053.00'
L = 43.49'
LC = 43.49'
LCB = S 1° 05' 42" W

TPP NUMBER 5992-11-00-4.08
AMENDMENT NO:
SHEET 2 547

FILE NAME : S:\MAD\1000--1099\1020\101\Miloros\TPP\040108_rp 2 of 2.dgn
APPRAISAL PLAT DATE: 12/10/20

PLOT DATE :

PLOT BY : _username_

PLOT NAME :

PLOT SCALE : $$.....plotscale.....$$

5992-11-00-4.08

TRANSPORTATION PROJECT PLAT NO: 5992-11-00 - 4.09

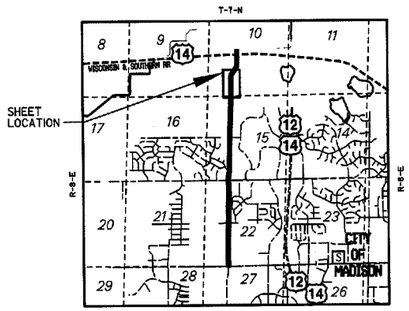
THAT PART OF LOT 1 CSM 14159 AND OTHER LAND IN THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 10 IN THE TOWN OF MIDDLETON; AND THAT PART OF LOTS 4 AND 5 OF THE PLAT OF GREENWAY CENTER (WEST), IN THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 10, ALL IN T7N, R8E, CITY OF MIDDLETON, DANE COUNTY, WISCONSIN.

RELOCATION ORDER LOCAL STREET DANE COUNTY CITY OF MADISON, PLEASANT VIEW ROAD (MINERAL POINT ROAD TO USH 14)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF MIDDLETON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, 60.50, & 82.12, WISCONSIN STATUTES, THE CITY OF MIDDLETON HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MIDDLETON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.



LOCATION SKETCH
NOT TO SCALE

STRAND ASSOCIATES, INC.
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF MIDDLETON, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 5992-11-00-4.09 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

(SIGNATURE) _____ DATE 12/10/20
(PRINTED NAME) HEATHER S. BARTELT
(REGISTRATION NUMBER) S - 2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF MIDDLETON.

(SIGNATURE) _____ DATE 12-14-2020
(PRINTED NAME) GURDIP BRAR - MAYOR
(SIGNATURE) _____ DATE 12-14-2020
(PRINTED NAME) LORIE J. BURNS - CITY CLERK

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS DOCUMENT NO. 5668191.

Office of Register of Deeds
Dane County, Wisconsin
Received for Record December 18
2020 at 12:52 o'clock P M
and recorded in vol. 61-040A
of Plats on pages 226-227
Yuuki Nakamura by
B. Pichroff, Deputy Register

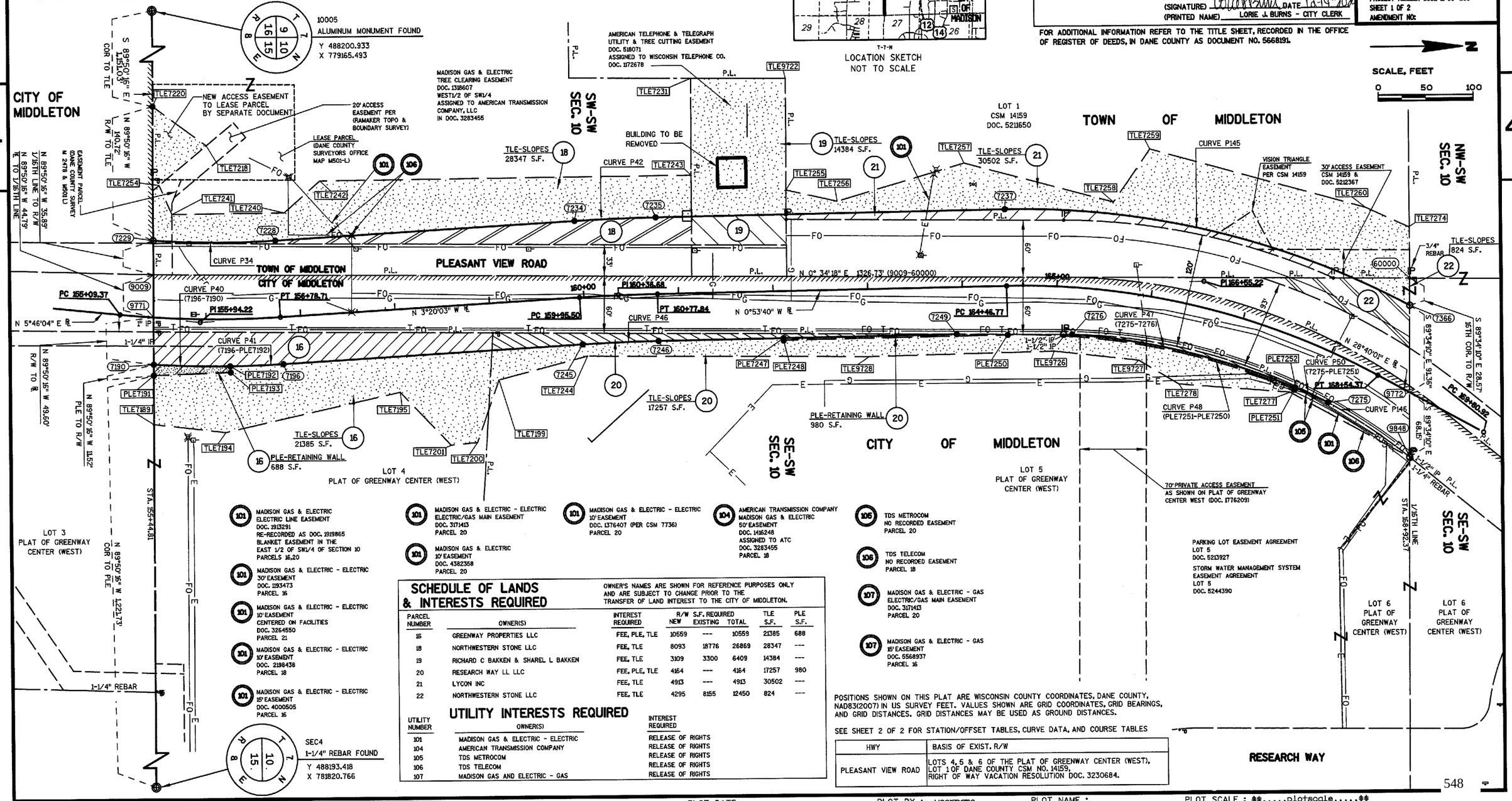
Doc #5675875

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-11-00-4.09
SHEET 1 OF 2
AMENDMENT NO:

SCALE, FEET
0 50 100

10005
ALUMINUM MONUMENT FOUND
Y 488200.933
X 779165.493

SEC4
1-1/4" REBAR FOUND
Y 488193.418
X 781820.766


CITY OF MIDDLETON
TOWN OF MIDDLETON
PLEASANT VIEW ROAD
NW-SW SEC. 10
SW-SW SEC. 10
SE-SW SEC. 10
SE-SW SEC. 10
LOT 1 CSM 14159 DOC. 5211650
LOT 4 PLAT OF GREENWAY CENTER (WEST)
LOT 5 PLAT OF GREENWAY CENTER (WEST)
LOT 3 PLAT OF GREENWAY CENTER (WEST)
LOT 6 PLAT OF GREENWAY CENTER (WEST)
LOT 6 PLAT OF GREENWAY CENTER (WEST)
RESEARCH WAY
NEW ACCESS EASEMENT TO LEASE PARCEL BY SEPARATE DOCUMENT
20' ACCESS EASEMENT PER (RAMAKER TOPO & BOUNDARY SURVEY)
LEASE PARCEL (DANE COUNTY SURVEYORS OFFICE MAP M501-L)
EASEMENT PARCEL (DANE COUNTY SURVEY M 2478 & M501-L)
AMERICAN TELEPHONE & TELEGRAPH UTILITY & TREE CUTTING EASEMENT DOC. 518071 ASSIGNED TO WISCONSIN TELEPHONE CO. DOC. 1172678
MADISON GAS & ELECTRIC TREE CLEARING EASEMENT DOC. 1318607 W1/2 OF SW1/4 ASSIGNED TO AMERICAN TRANSMISSION COMPANY, LLC IN DOC. 3283455
BUILDING TO BE REMOVED
TLE-SLOPES 28347 S.F.
TLE-SLOPES 14384 S.F.
TLE-SLOPES 30502 S.F.
TLE-SLOPES 824 S.F.
TLE-SLOPES 17257 S.F.
TLE-SLOPES 21385 S.F.
PLE-RETAINING WALL 980 S.F.
PLE-RETAINING WALL 688 S.F.
CURVE P34
CURVE P40 (7196-7190)
CURVE P41 (7196-PLE7192)
CURVE P42
CURVE P46
CURVE P47 (7275-7276)
CURVE P48 (PLE7251-PLE7250)
CURVE P50 (7275-PLE7251)
CURVE P145
CURVE P146
PC 155+09.37
PI 155+94.22
PT 156+78.71
PC 159+25.50
PI 160+36.68
PT 160+77.84
PC 164+46.77
PI 166+65.22
PT 168+54.37
PC 169+80.92
VISION TRIANGLE EASEMENT PER CSM 14159
30' ACCESS EASEMENT CSM 14159 & DOC. 5212367
70' PRIVATE ACCESS EASEMENT AS SHOWN ON PLAT OF GREENWAY CENTER WEST (DOC. 1776209)
PARKING LOT EASEMENT AGREEMENT LOT 5 DOC. 5213927
STORM WATER MANAGEMENT SYSTEM EASEMENT AGREEMENT LOT 5 DOC. 5244390
3/4" REBAR
1-1/4" REBAR
1-1/4" IP
1-1/2" IP
1/16TH LINE STA. 155+74.81
1/16TH LINE STA. 168+92.37
1/16TH LINE
N 89°50'16" E 1151.03'
N 89°50'16" W 140.72'
N 89°50'16" W 35.89'
N 89°50'16" W 44.79'
N 89°50'16" W 49.60'
N 89°50'16" W 11.52'
N 89°50'16" W 1221.73'
S 89°34'10" E 91.36'
S 89°34'10" E 68.15'
N 0°34'18" E 1326.73' (9009-60000)
N 3°20'03" W R
N 0°53'40" W R
N 5°46'04" E R
N 28°40'01" E R
S 89°34'10" E 28.57'
TLE7220
TLE7218
TLE7254
TLE7241
TLE7240
TLE7242
TLE7243
TLE7231
TLE9722
TLE7255
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TLE7257
TLE7259
TLE7258
TLE7260
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TRANSPORTATION PROJECT PLAT NO: 5992-11-00 - 4.09

RELOCATION ORDER LOCAL STREET DANE COUNTY CITY OF MADISON, PLEASANT VIEW ROAD (MINERAL POINT ROAD TO USH 14)

POINT *	STATION	OFFSET	NORTHING	EASTING
7190	155+47.87	49.50'	488196.91	780587.52
7196	156+78.71	49.50'	488333.74	780587.95
7228	156+78.71	-80.50'	488326.18	780458.17
7229	155+39.18	-80.50'	488197.28	780457.24
7234	159+95.50	-80.50'	488642.43	780439.75
7235	160+77.84	-80.50'	488728.14	780436.59
7237	164+46.77	-80.50'	489097.02	780430.83
7245	159+95.50	49.50'	488649.99	780569.53
7246	160+77.84	49.50'	488730.17	780566.57
7249	163+92.81	49.50'	489045.09	780561.65
7275	168+19.06	49.50'	489436.46	780636.27
7276	165+19.47	49.50'	489167.14	780562.88
7366	168+49.64	-80.50'	489523.62	780534.93
9009	155+41.79	-44.69'	488197.18	780493.13
9771	155+44.81	0.00'	488197.05	780537.92
9772	168+92.37	0.00'	489522.94	780626.29
9848	169+24.62	60.04'	489522.42	780694.43
60000	168+37.85	-105.86'	489523.84	780506.36

POINT *	STATION	OFFSET	NORTHING	EASTING
PLE7191	155+48.54	61.00'	488196.88	780599.04
PLE7192	156+25.00	49.50'	488277.57	780589.81
PLE7193	156+25.00	56.00'	488277.62	780596.31
PLE7219	155+34.99	-132.88'	488197.43	780404.73
PLE7247	162+10.05	49.50'	488862.35	780564.51
PLE7248	162+10.05	51.50'	488862.39	780566.51
PLE7250	164+46.78	51.50'	489099.08	780562.81
PLE7251	167+79.02	51.50'	489401.56	780622.45
PLE7252	167+79.02	49.50'	489402.35	780620.61

POINT *	STATION	OFFSET
TLE7189	155+51.38	112.37'
TLE7194	156+20.00	119.00'
TLE7195	158+00.00	87.00'
TLE7199	159+05.00	81.00'
TLE7200	158+78.00	145.00'
TLE7201	158+50.00	146.00'
TLE7218	155+98.94	-182.18'
TLE7220	155+26.79	-220.82'
TLE7231	161+18.44	-225.61'
TLE7240	156+90.00	-109.00'
TLE7241	155+59.28	-109.00'
TLE7242	157+30.00	-140.00'
TLE7243	161+16.70	-124.00'
TLE7244	160+00.00	62.00'
TLE7254	155+42.07	-138.77'
TLE7255	162+16.40	-106.00'
TLE7256	162+70.00	-93.00'
TLE7257	164+05.00	-130.00'
TLE7258	165+50.00	-93.00'
TLE7259	165+77.00	-153.00'
TLE7260	167+75.00	-154.00'
TLE7274	168+17.20	-153.84'
TLE7277	167+75.00	56.00'
TLE7278	166+50.00	84.00'
TLE9722	162+18.40	-223.04'
TLE9726	165+00.00	68.00'
TLE9727	165+98.00	68.00'
TLE9728	163+00.00	71.00'

P.I. = 155+94.22
Y = 488,246.16
X = 780,543.47
DELTA = 9° 06' 07" (LT)
D = 5° 22' 29"
T = 84.85'
L = 169.34'
R = 1,066.00'
P.C. = 155+09.37
P.T. = 156+78.71

P.I. = 160+36.68
Y = 488,688.22
X = 780,517.72
DELTA = 2° 26' 23" (RT)
D = 2° 57' 45"
T = 41.18'
L = 82.35'
R = 1,934.00'
P.C. = 159+95.50
P.T. = 160+77.84

P.I. = 166+55.22
Y = 489,306.70
X = 780,508.06
DELTA = 29° 33' 42" (RT)
D = 7° 15' 09"
T = 208.44'
L = 407.60'
R = 790.00'
P.C. = 164+46.77
P.T. = 168+54.37

P.I. = 170+28.56
Y = 489,642.42
X = 780,691.62
DELTA = 43° 38' 13" (RT)
D = 48° 08' 52"
T = 47.64'
L = 90.63'
R = 119.00'
P.C. = 169+80.92
P.T. = 170+71.55

COURSE	BEARING	DIST.
9009-7229	N 89° 50' 16" W	35.89'
7229-7228	SEE CURVE P34	
7228-7234	N 3° 20' 03" W	316.78'
7234-7235	SEE CURVE P42	
7235-7237	N 0° 53' 40" W	368.93'
7237-7366	SEE CURVE P145	
7366-9772	S 89° 34' 10" E	91.36'
9772-9848	S 89° 34' 10" E	68.15'
9848-7275	SEE CURVE P146	
7275-7276	SEE CURVE P47	
7276-7249	S 0° 34' 35" W	122.05'
7249-7246	S 0° 53' 40" E	314.97'
7246-7245	SEE CURVE P46	
7245-7196	S 3° 20' 03" E	316.78'
7196-7190	SEE CURVE P40	
7190-9771	N 89° 50' 16" W	49.60'
9771-9009	N 89° 50' 16" W	44.79'

CURVE P34
R = 985.50'
L = 129.00'
LC = 128.91'
LCB = N 0° 24' 57" E

CURVE P40
R = 1115.50'
L = 136.92'
LC = 136.83'
LCB = S 0° 10' 56" W

CURVE P42
R = 2014.50'
L = 85.78'
LC = 85.77'
LCB = N 2° 6' 51" W

CURVE P46
R = 1884.50'
L = 80.24'
LC = 80.23'
LCB = S 2° 6' 51" E

CURVE P47
R = 740.50'
L = 280.82'
LC = 279.14'
LCB = S 15° 14' 31" W

CURVE P145
R = 870.50'
L = 443.91'
LC = 439.12'
LCB = N 13° 42' 52" E

CURVE P146
R = 586.53'
L = 103.93'
LC = 103.79'
LCB = S 34° 05' 04" W

COURSE	BEARING	DIST.
7275-PLE7252	SEE CURVE P50	
PLE7252-PLE7251	S 66° 47' 53" E	2.00'
PLE7251-PLE7250	SEE CURVE P48	
PLE7250-PLE7248	S 0° 53' 40" E	236.73'
PLE7248-PLE7247	S 89° 06' 20" W	2.00'
PLE7247-7246	S 0° 53' 40" E	132.20'
7196-PLE7192	SEE CURVE P41	
PLE7192-PLE7193	N 89° 33' 11" E	6.50'
PLE7193-PLE7191	S 1° 56' 18" E	80.79'
PLE7191-7190 N	89° 50' 16" W	11.52'

CURVE P41
R = 1115.50'
L = 56.21'
LC = 56.20'
LCB = S 1° 53' 26" E

CURVE P48
R = 738.50'
L = 310.58'
LC = 308.30'
LCB = S 11° 9' 13" W

CURVE P50
R = 740.50'
L = 37.54'
LC = 37.53'
LCB = S 24° 39' 15" W

TPP NUMBER 5992-11-00-4.09
AMENDMENT NO:
SHEET 2 549

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\TPP\040109_rp 2 of 2.dgn
APPRAISAL PLAT DATE: 12/10/20

PLOT DATE :

PLOT BY : _username_

PLOT NAME :

PLOT SCALE : $$.....plotscale.....$$

5992-11-00-4.09

Document # 5782135

TRANSPORTATION PROJECT PLAT NO: 5992-11-00-4.10 AMENDMENT NO: 1

AMENDS PARCEL NO. 25 OF TRANSPORTATION PROJECT PLAT 5992-11-00-4.10 RECORDED AS DOCUMENT NO. 5675876 AND FILED IN VOLUME 61-040A OF PLATS ON PAGE 228-229.

THAT PART OF LOTS 1 AND 2 CSM 1815 AND OTHER LANDS IN THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4 AND THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 10, IN THE TOWN OF MIDDLETON; AND THAT PART OF LOT 6 OF THE PLAT OF GREENWAY CENTER (WEST); AND THAT PART OF LOT 1 OF CSM 2147, AND OTHER LANDS IN THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, AND THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 10, IN THE CITY OF MIDDLETON, ALL IN T7N, R8E, DANE COUNTY, WISCONSIN.

RELOCATION ORDER LOCAL STREET DANE COUNTY CITY OF MADISON, PLEASANT VIEW ROAD (MINERAL POINT ROAD TO USH 14)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF MIDDLETON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MIDDLETON HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MIDDLETON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE CITY OF MADISON.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W S.F. REQUIRED NEW	EXISTING	TOTAL	HE S.F.	PLE S.F.	TLE S.F.
20	RESEARCH WAY LL, LLC	FEE, TLE	2661	---	2661	---	---	2588
22	NORTHWESTERN STONE LLC	FEE, TLE	42333	22461	64794	---	---	63713
23	MIDDLETON FARMERS CO-OP COMPANY	FEE, PLE, TLE	487	8656	9143	---	167	37907
24	LN REAL ESTATE LLC	FEE,PLE,TLE	17872	16330	34202	---	3028	17163
25	WISCONSIN DEPARTMENT OF TRANSPORTATION (WISCONSIN & SOUTHERN RAILROAD)	HE, TLE	---	---	---	13948	---	20931
26	THEODORE J HELLECKSON	FEE, TLE	9990	4950	14940	---	---	9261
27	THEODORE J HELLECKSON, SHAUN F OLSON & CHARLENE KATERI NELSON	FEE, TLE	12767	6069	18836	---	---	20074

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
101	MADISON GAS & ELECTRIC - ELECTRIC	RELEASE OF RIGHTS
105	TDS METROCOM	RELEASE OF RIGHTS
106	TDS TELECOM	RELEASE OF RIGHTS
107	MADISON GAS & ELECTRIC - GAS	RELEASE OF RIGHTS

* EXCLUDE BUILDINGS THAT LIE PARTIALLY OR WHOLLY WITHIN A TEMPORARY LIMITED EASEMENT.

STRAND ASSOCIATES, INC.®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 5992-11-00-4.10 AMENDMENT NO. 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

(SIGNATURE) _____ DATE 10/6/21
(PRINTED NAME) HEATHER S. BARTELT
(REGISTRATION NUMBER) S - 2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF MIDDLETON.
(SIGNATURE) _____ DATE 10/07/2021
(PRINTED NAME) GURDIP BRAR - MAYOR
(SIGNATURE) _____ DATE 10/07/2021
(PRINTED NAME) LORIE J. BURNS - CITY CLERK

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS DOCUMENT NO. 5668191.

Office of Register of Deeds
Dane County, Wisconsin
Received for Record October 21
2021 at 12:49 o'clock P M.
and recorded in vol. 61-053B
of Plats on page 312-315
Kristi Chlebowski by:
Lisa Hatford-Setg. Deputy, Register

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-11-00-4.10
SHEET 1 OF 2
AMENDMENT NO: 1

SCALE, FEET
0 50 100

NW-SW SEC. 10
NE-SW SEC. 10

TOWN OF MIDDLETON

CITY OF MIDDLETON

SEE SHEET 2 OF 2
5992-11-00-4.10
AMENDMENT NO: 1

SEE SHEET 5992-11-00-4.11

DETAIL 1

HWY	BASIS OF EXIST. R/W
PLEASANT VIEW ROAD	PLAT OF GREENWAY CENTER (WEST); DANE COUNTY CSM NO.S 2147, 8378 AND 1815, DANE COUNTY HIGHWAY REGISTRY - MIDDLETON TOWN ROAD RECORD VOL. 1 P. 223 & 224 DATED MAY 1 1913.
QUARRY ROAD	DANE COUNTY CSM NO.S 2147, 4601 & 8378; PLAT OF GREENWAY CENTER (WEST)
USH 14	RIGHT OF WAY PROJECT ID 5310-00-21, USH 14; WISCONSIN AND SOUTHERN RAILROAD PLAT OF SURVEY BY MAYO CORP. DATED 11-30-1995; DANE COUNTY CSM NO.S 11068 & 11025; PLAT OF GOLF GREEN INDUSTRIAL PARK; REPLAT OF THE FIRST ADDITION TO GOLF GREEN INDUSTRIAL PARK; PLAT OF WEST METRO BUSINESS PARK.
WISDOT (WSOR RAILROAD)	WISCONSIN AND SOUTHERN RAILROAD PLAT OF SURVEY DATED 11-30-1995 - 99'(R/W PROJECT 5310-00-21 - 100' AND MAY BE WRONG); CMSTP&P RAILROAD RIGHT OF WAY MAP (BROOKFIELD - PRAIRIE DU CHIEN V-11 P. 23; QUIT CLAIM DEED CMSTP&P RAILROAD TO WISDOT IN REEL 176 P. 566.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG PLEASANT VIEW ROAD ESTABLISHED FROM DANE COUNTY CSM MAP NO 2147.

EXISTING ACCESS CONTROL ALONG USH 14 IS BASED ON WISDOT ACCESS CONTROL PROJECT ID 5310-1-29, USH 14

SEE SHEET 2 OF 2 FOR STATION/OFFSET TABLES, CURVE DATA, COURSE TABLES, AND DETAILS

SHEET LOCATION

T-7-N LOCATION SKETCH NOT TO SCALE

COMPUTED FROM TIES - CORNER FALLS IN A BUILDING
Y 490851.650
X 779191.410

1-1/2" REBAR FOUND
Y 490834.288
X 781848.165

UNOFFICIAL COPY

TRANSPORTATION PROJECT PLAT NO: 5992-11-00-4.10 AMENDMENT NO: 1

RELOCATION ORDER LOCAL STREET DANE COUNTY CITY OF MADISON, PLEASANT VIEW ROAD (MINERAL POINT ROAD TO USH 14)

POINT #	STATION	OFFSET	NORTHING	EASTING
7272	169+46.22	-75.64'	489606.47	780585.75
7284	50+74.45 Q	32.72'	489620.47	780897.15
7285	50+34.82 Q	55.00'	489623.61	780836.60
7286	170+79.34	49.88'	489617.98	780772.41
7287	170+79.34	53.61'	489620.44	780781.38
7288	170+82.30	58.71'	489622.11	780789.97
7297	172+05.09	48.85'	489735.40	780874.46
7311	172+81.94	44.93'	489814.88	780892.01
7312	169+97.74	-73.53'	489658.78	780618.94
7313	171+20.64	-119.59'	489770.09	780683.38
7314	172+41.18	-105.80'	489814.88	780735.92
7315	172+57.49	-84.43'	489825.09	780760.80
7316	173+07.37	-61.80'	489869.08	780796.58
7319	175+05.07	-80.50'	490056.25	780836.06
7321	176+55.80	-80.50'	490190.01	780850.59
7323	174+70.27	49.50'	489993.41	780954.82
7331	174+63.57	49.53'	489986.50	780953.04
7339	180+94.93	49.50'	490627.96	780984.54
7350	180+87.42	-80.50'	490621.61	780854.47
7363	176+55.80	49.50'	490188.84	780980.58
7366	168+49.64	-80.50'	489523.62	780534.93
7390	50+92.90 Q	-41.44'	489688.68	780931.62
9257	169+27.56	60.59'	489524.74	780696.33
9262	172+05.09	62.49'	489722.49	780883.51
9263	50+34.76 Q	-51.48'	489710.40	780898.29
9711	180+91.97	-1.84'	490625.45	780933.17
9772	168+92.37	0.00'	489522.94	780626.29
9848	169+24.62	60.04'	489522.42	780694.43
23039	174+44.23	49.98'	489966.54	780947.88

POINT #	STATION	OFFSET	NORTHING	EASTING
HE7346	181+84.45	-117.40'	490718.97	780818.45
HE7347	181+78.07	-89.55'	490712.34	780846.24
HE7348	181+17.61	-80.50'	490651.80	780854.75
HE7351	181+96.22	86.16'	490728.91	781022.11
HE7352	181+65.27	52.24'	490698.27	780987.91
HE7353	181+46.17	49.50'	490679.20	780985.00
HE7419	181+91.24	0.00'	490724.70	780935.90
PLE7296	172+05.09	50.93'	489732.66	780875.60
PLE7308	172+56.00	45.37'	489789.97	780885.76
PLE7309	172+56.00	49.00'	489789.03	780889.27
PLE7417	174+77.72	198.99'	489965.09	781101.86
PLE7418	174+93.18	194.37'	489985.09	781101.86

POINT #	STATION	OFFSET
TLE7261	169+92.00	-168.00'
TLE7262	170+15.00	-162.00'
TLE7263	170+30.00	-128.00'
TLE7264	170+45.00	-250.00'
TLE7265	172+95.00	-273.00'
TLE7266	173+63.00	-250.00'
TLE7267	173+80.00	-225.00'
TLE7268	173+74.00	-160.00'
TLE7269	173+15.00	-132.00'
TLE7270	173+35.00	-92.00'
TLE7271	175+40.00	-109.00'
TLE7274	168+17.20	-153.84'
TLE7279	170+78.26	57.74'
TLE7280	170+82.00	72.00'
TLE7281	50+56.00 Q	54.00'
TLE7282	51+31.00 Q	48.00'
TLE7283	51+47.05 Q	41.76'
TLE7307	174+65.83	139.99'
TLE7320	176+75.00	-143.00'
TLE7332	175+75.00	105.00'
TLE7333	176+56.00	100.00'
TLE7334	176+56.00	55.00'
TLE7335	177+49.00	55.00'
TLE7336	180+80.00	55.00'
TLE7337	177+20.00	67.00'
TLE7338	177+49.00	67.00'
TLE7340	180+96.87	83.03'
TLE7342	180+82.39	-167.47'
TLE7344	178+45.09	-119.89'
TLE7345	178+44.64	-167.72'
TLE7354	181+97.59	109.88'
TLE7355	180+86.87	-90.02'
TLE7356	181+35.00	-104.60'
TLE7360	177+50.00	-119.00'
TLE7391	177+20.00	55.00'
TLE7406	52+10.00 Q	-33.00'
TLE7409	175+20.00	117.34'
TLE7410	175+20.00	165.00'
TLE7411	174+88.86	170.00'
TLE7510	181+52.00	-158.85'
TLE7511	181+26.79	-594.66'
TLE7512	181+56.74	-596.40'

COURSE	BEARING	DIST.
9772-7366	N 89° 34' 10" W	91.36'
7366-7272	SEE CURVE P61	
7272-7312	SEE CURVE P62	
7312-7313	N 30° 04' 03" E	128.62'
7313-7314	SEE CURVE P63	
7314-7315	SEE CURVE P64	
7315-7316	SEE CURVE P65	
7316-7319	N 11° 54' 46" E	191.29'
7319-7321	SEE CURVE P166	
7321-7350	N 0° 30' 56" E	431.61'
7350-HE7348	N 0° 30' 56" E	30.19'
HE7348-HE7347	N 7° 59' 53" W	61.13'
HE7347-HE7346	N 76° 34' 51" W	28.57'
HE7346-HE7419	N 87° 12' 19" E	117.60'
HE7419-HE7351	N 87° 12' 19" E	86.31'
HE7351-HE7352	S 48° 08' 24" W	45.92'
HE7352-HE7353	S 8° 41' 17" W	19.30'
HE7353-7339	S 0° 30' 56" W	51.24'
7339-7363	S 0° 30' 56" W	439.13'
7363-7323	SEE CURVE P59	
7323-23039	S 14° 30' 10" W	27.75'
23039-7311	SEE CURVE P135	
7311-7297	SEE CURVE P53	
7297-9262	SEE CURVE P136	
9262-9263	S 50° 42' 35" E	19.10'
9263-7390	SEE CURVE P137	
7390-7284	S 26° 48' 40" W	76.42'
7284-7285	N 87° 02' 09" W	60.64'
7285-7288	SEE CURVE P51	
7288-7287	SEE CURVE P52	
7287-7286	S 74° 40' 53" W	9.30'
7286-9257	S 39° 12' 46" W	120.34'
9257-9848	SEE CURVE E54	
9848-9772	N 89° 34' 10" W	68.15'

COURSE	BEARING	DIST.
7323-PLE7331	S 14° 30' 10" W	7.14'
PLE7331-PLE7418	S 89° 27' 34" E	148.83'
PLE7418-PLE7417	S 0° 00' 00" E	20.00'
7417-23039	N 89° 27' 34" W	153.99'
7311-PLE7308	S 14° 05' 04" W	25.68'
PLE7308-PLE7309	S 74° 57' 41" E	3.63'
PLE7309-PLE7296	S 13° 37' 18" W	58.01'
PLE7296-9262	SEE CURVE P70	

P.I. = 170+28.56
Y = 489,642.42
X = 780,691.62
DELTA = 43° 38' 13" (RT)
D = 48° 08' 52"
T = 47.64'
L = 90.63'
R = 119.00'
P.C. = 169+80.92
P.T. = 170+71.55

PI 170+79.34
Y = 489,659.28
X = 780,744.43
DELTA = 30°12'11" LT

PI 172+05.09
Y = 489,752.57
X = 780,828.73
DELTA = 27°03'44" LT

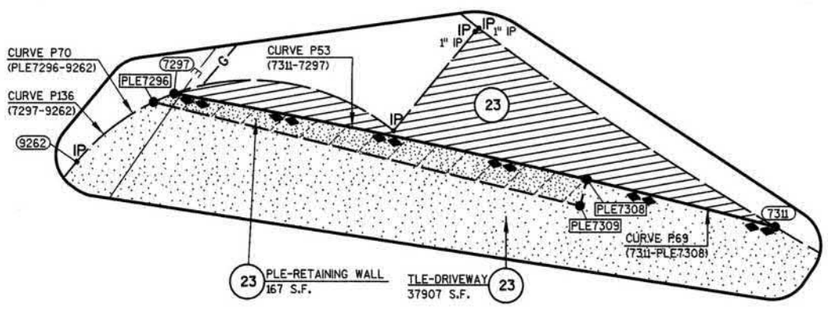
P.I. = 173+29.69
Y = 489,872.91
X = 780,861.06
DELTA = 6° 00' 51" (RT)
D = 5° 35' 43"
T = 53.79'
L = 107.49'
R = 1,024.00'
P.C. = 172+75.90
P.R.C. = 173+83.39
D.A. = N 21°03'10" E

P.I. = 175+21.07
Y = 490,051.61
X = 780,929.85
DELTA = 20° 32' 14" (LT)
D = 7° 32' 20"
T = 137.69'
L = 272.42'
R = 760.00'
P.R.C. = 173+83.39
P.T. = 176+55.80
D.B. = S 21°03'10" W

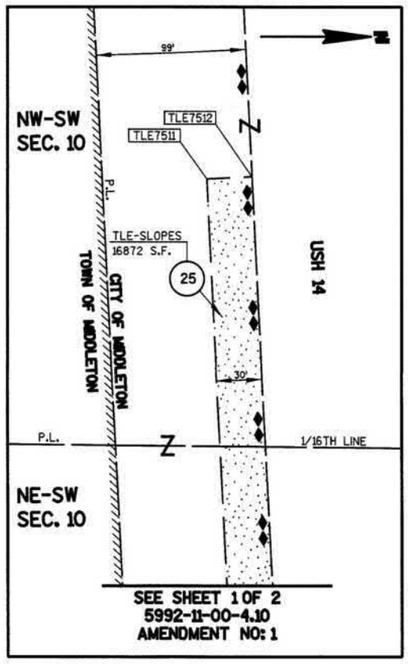
POT 186+26.83
Y = 491,160.26
X = 780,939.82

P.I. = 50+38.92 Q
Y = 489,666.07
X = 780,866.27
DELTA = 42° 32' 12" (LT)
D = 57° 17' 45"
T = 38.92'
L = 72.24'
R = 100.00'
P.C. = 50+00.00 Q
P.T. = 50+74.24 Q

P.I. = 50+45.94 Q
Y = 489,636.49
X = 780,974.13
DELTA = 12° 16' 50" (LT)
D = 28° 38' 52"
T = 21.52'
L = 42.87'
R = 200.00'
P.C. = 51+24.43 Q
P.T. = 51+67.30 Q



DETAIL 1



CURVE P51
R = 278.00'
L = 46.70'
LC = 46.65'
LCB = S 88° 09' 05" W

CURVE P52
R = 58.00'
L = 8.76'
LC = 8.76'
LCB = S 79° 0' 36" W

CURVE P53
(7311-7297)
R = 978.00'
L = 81.42'
LC = 81.39'
LCB = S 12° 27' 06" W

CURVE E54
R = 586.53'
L = 3.00'
LC = 3.00'
LCB = S 39° 18' 25" W

CURVE P61
R = 870.50'
L = 97.24'
LC = 97.19'
LCB = N 31° 31' 25" E

CURVE P59
R = 809.50'
L = 197.62'
LC = 197.13'
LCB = S 7° 30' 33" W

CURVE P62
R = 762.50'
L = 61.97'
LC = 61.95'
LCB = N 32° 23' 44" E

CURVE P63
R = 103.50'
L = 70.39'
LC = 69.04'
LCB = N 49° 33' 00" E

CURVE P64
R = 572.00'
L = 26.89'
LC = 26.89'
LCB = N 67° 41' 09" E

CURVE P65
R = 62.00'
L = 58.89'
LC = 56.71'
LCB = N 39° 07' 33" E

CURVE P69
(7311-PLE7308)
R = 978.00'
L = 25.68'
LC = 25.68'
LCB = S 14° 05' 04" W

CURVE P70
(PLE7296-9262)
R = 30.00'
L = 12.97'
LC = 12.87'
LCB = S 37° 52' 27" E

CURVE P135
R = 442.26'
L = 162.54'
LC = 161.63'
LCB = S 20° 13' 16" W

CURVE P136
(7297-9262)
R = 30.00'
L = 15.95'
LC = 15.76'
LCB = S 35° 02' 05" E

CURVE P137
R = 182.00'
L = 39.87'
LC = 39.79'
LCB = S 56° 54' 49" E

CURVE P166
R = 679.50'
L = 134.77'
LC = 134.55'
LCB = N 6° 11' 51" E

TPP NUMBER 5992-11-00-4.10
AMENDMENT NO: 1
SHEET 2

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\TPP\040110_rp A1 2 of 2.dgn
APPRAISAL PLAT DATE: 10/6/21

PLOT DATE :

PLOT BY : _username_

PLOT NAME :

PLOT SCALE : $$.....plotscale.....$$

5992-11-00-4.10 AMEND. NO: 1

UNOFFICIAL COPY

TRANSPORTATION PROJECT PLAT NO: 5992-11-00 - 4.11

THAT PART OF LOT 1 OF CSM 2147, AND OTHER LANDS IN THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, OF SECTION 10, AND THAT PART OF OUTLOT 1 CSM 8319 IN THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, OF SECTION 10, IN THE CITY OF MIDDLETON, ALL IN T7N, R8E, DANE COUNTY, WISCONSIN.

RELOCATION ORDER LOCAL STREET DANE COUNTY CITY OF MADISON, PLEASANT VIEW ROAD (MINERAL POINT ROAD TO USH 14)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE,

THE CITY OF MIDDLETON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MIDDLETON HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MIDDLETON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

P.I. = 173+29.69
Y = 489,872.91
X = 780,861.06
DELTA = 6° 00' 51" (RT)
D = 5° 35' 43"
T = 53.79'
L = 107.49'
R = 1,024.00'
P.C. = 172+75.90
P.R.C. = 173+83.39

P.I. = 175+21.07
Y = 490,051.61
X = 780,929.85
DELTA = 20° 32' 14" (LT)
D = 7° 32' 20"
T = 137.69'
L = 272.42'
R = 760.00'
P.R.C. = 173+83.39
P.T. = 176+55.80

1-1/2" REBAR FOUND
Y 490834.288
X 781848.165

T 7 N
10
R 8 E

STRAND ASSOCIATES, INC.
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 5992-11-00-4.11 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

(SIGNATURE) _____ DATE 12/10/20
(PRINTED NAME) HEATHER S. BARTELT
(REGISTRATION NUMBER) S - 2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF MIDDLETON.

(SIGNATURE) _____ DATE 12-14-2020
(PRINTED NAME) SURDIP BRAR - MAYOR
(SIGNATURE) _____ DATE 12-14-2020
(PRINTED NAME) LORIE J. BURNS - CITY CLERK

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS, IN DANE COUNTY AS DOCUMENT NO. 5668191.

Office of Register of Deeds
Dane County, Wisconsin
Received for Record December 18
2020 at 12:53 o'clock P M
and recorded in vol. 61-040A
of Plats on page 230
Yuriti Chlebowski by
B. Dischoff, Deputy Register
Doc. # 5675877

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-11-00-4.11
AMENDMENT NO:

LOT 1
CSM 1815
VOL. 7 P. 228-229
DOC. NO. 1444511

CITY OF MIDDLETON

TOWN OF MIDDLETON

N 0° 30' 56" E

PLEASANT VIEW ROAD

177+00
176+00
PT 176+55.80
175+21.07
174+00
173+00
PC 173+83.39
PI 173+29.69
PC 172+75.90

NE-SW
SEC. 10

NW-SE
SEC. 10

SEE SHEET 5992-11-00-4.10

P.I.

1.25" REBAR

PLE7328
PLE7329
PLE7330
PLE7418
PLE7417
PLE7324
PLE7325
PLE7327
PLE7326
PLE7407
PLE7408

PLE-DRAINAGE WAY & POND
48798 S.F.
24

PLE-POND
2620 S.F.
23

TLE-SLOPES
15875 S.F.
29

101
107

LOT 1 CSM 2147
VOL. 8 P. 377-378
DOC. NO. 1485102

OUTLOT 1
CSM 8319
VOL. 45 P. 61
DOC. NO. 2790246

S 0° 35' 40" W 727.11'

N 0° 35' 40" E 1754.81'

1.25" REBAR

QUARRY ROAD

1-1/4" REBAR FOUND
Y 488193.418
X 781820.766

T 7 N
10
15
R 8 E

N

SCALE, FEET
0 50 100

SHEET LOCATION

T-7-N
R-8-E

LOCATION SKETCH
NOT TO SCALE

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING ACCESS CONTROL ALONG PLEASANT VIEW ROAD ESTABLISHED FROM DANE COUNTY CSM MAP NO 2147.

EXISTING ACCESS CONTROL ALONG USH 14 IS BASED ON WISDOT ACCESS CONTROL PROJECT ID 5310-1-29, USH 14

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE CITY OF MADISON.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W S.F. REQUIRED NEW	EXISTING	TOTAL	TLE S.F.	PLE S.F.
23	MIDDLETON FARMERS CO-OP COMPANY	PLE	---	---	---	---	2620
24	LN REAL ESTATE LLC	PLE	---	---	---	---	48798
29	CITY OF MIDDLETON	TLE	---	---	---	15875	---

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
101	MADISON GAS & ELECTRIC - ELECTRIC	RELEASE OF RIGHTS
107	MADISON GAS & ELECTRIC - GAS	RELEASE OF RIGHTS
108	CITY OF MIDDLETON - WATER	RELEASE OF RIGHTS

* EXCLUDE BUILDINGS THAT LIE PARTIALLY OR WHOLLY WITHIN A TEMPORARY LIMITED EASEMENT.

101 MADISON GAS & ELECTRIC - ELECTRIC
10' MG&E EASEMENT
PER CSM 2147
PARCEL 24

101 MADISON GAS & ELECTRIC - ELECTRIC
10' EASEMENT
DOC. 1806853
PARCEL 29

107 MADISON GAS & ELECTRIC - GAS
10' MG&E EASEMENT
PER CSM 2147
PARCEL 24

107 MADISON GAS & ELECTRIC - GAS
100' EASEMENT
DOC. 1806853
PARCEL 29

108 CITY OF MIDDLETON - WATER
30' WATER MAIN EASEMENT
DOC. NO. 1828682
PARCEL 29

HWY	BASIS OF EXIST. R/W
PLEASANT VIEW ROAD	PLAT OF GREENWAY CENTER (WEST); DANE COUNTY CSM NO.S 2147, 8378 AND 1815. 3-ROD (49.5 FOOT) RIGHT OF WAY WIDTH EXTENDS 855' SOUTH OF THE "NORTH LINE OF THE RAILROAD" PER TOWN OF MIDDLETON COUNTY HIGHWAY REGISTRY P. 223, 224.

COURSE	BEARING	DIST.
PLE7326-PLE7325	N 89° 27' 34" W	262.04'
PLE7325-PLE7324	N 0° 56' 05" E	10.00'
PLE7324-PLE7417	N 89° 27' 34" W	475.27'
PLE7417-PLE7418	N 0° 00' 00" W	20.00'
PLE7418-PLE7330	S 89° 27' 34" E	464.22'
PLE7330-PLE7329	N 46° 39' 54" E	15.89'
PLE7329-PLE7328	N 0° 56' 05" E	119.88'
PLE7328-PLE7327	S 89° 03' 55" E	261.09'
PLE7327-PLE7326	S 0° 35' 40" W	159.09'

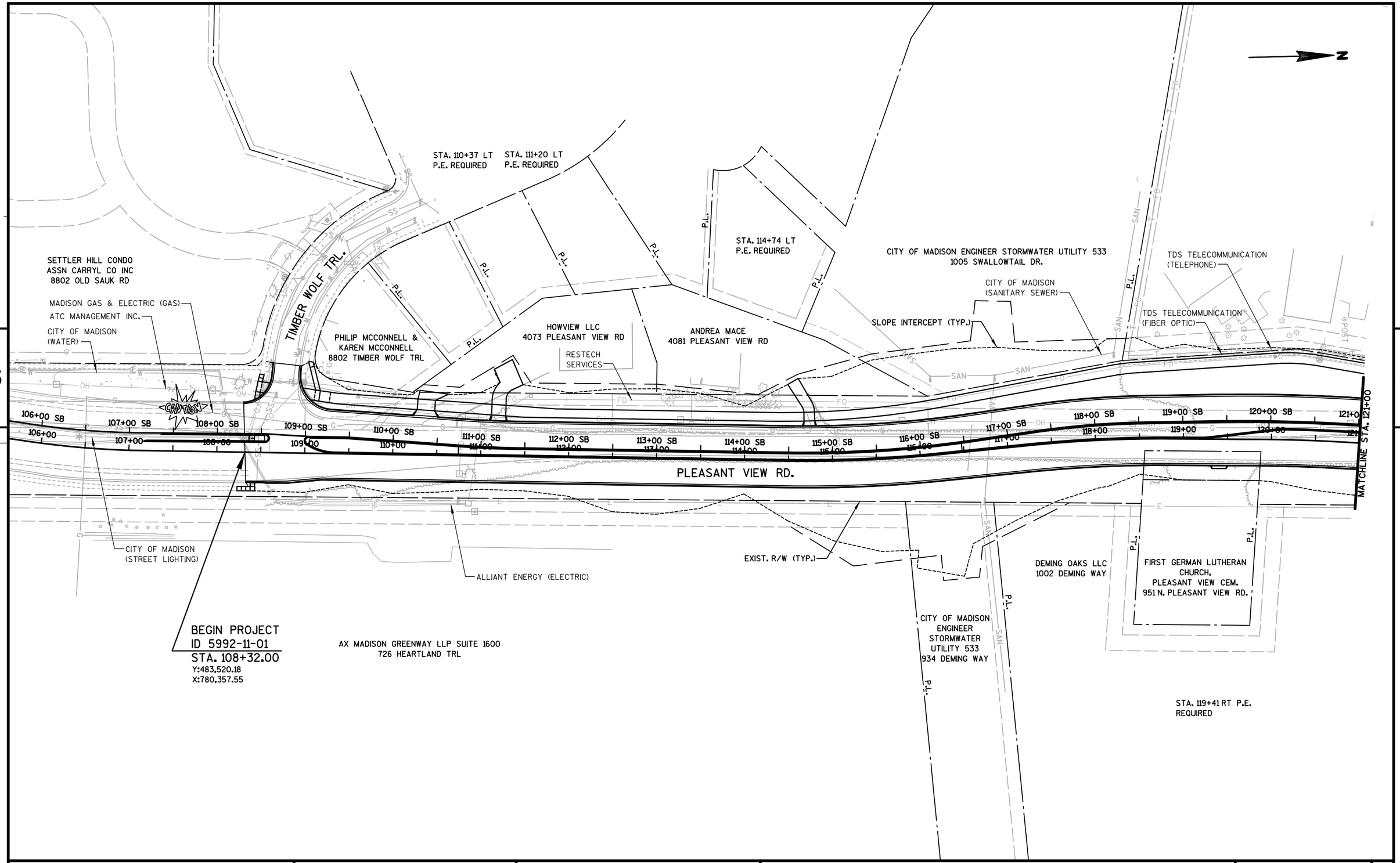
POINT #	STATION	OFFSET	NORTHING	EASTING
PLE7324	175+36.50	665.58'	489960.61	781577.11
PLE7325	175+31.24	667.11'	489950.61	781576.94
PLE7326	175+50.46	926.19'	489948.14	781838.97
PLE7327	176+22.21	911.87'	490107.22	781840.62
PLE7328	176+17.02	650.99'	490111.48	781579.57
PLE7329	175+52.90	661.29'	489991.61	781577.61
PLE7330	175+46.20	651.48'	489980.71	781566.06
PLE7417	174+77.72	198.99'	489965.09	781101.86
PLE7418	174+93.18	194.37'	489985.09	781101.86

POINT #	STATION	OFFSET
TLE7407	176+23.79	1011.81'
TLE7408	175+56.32	1025.29'

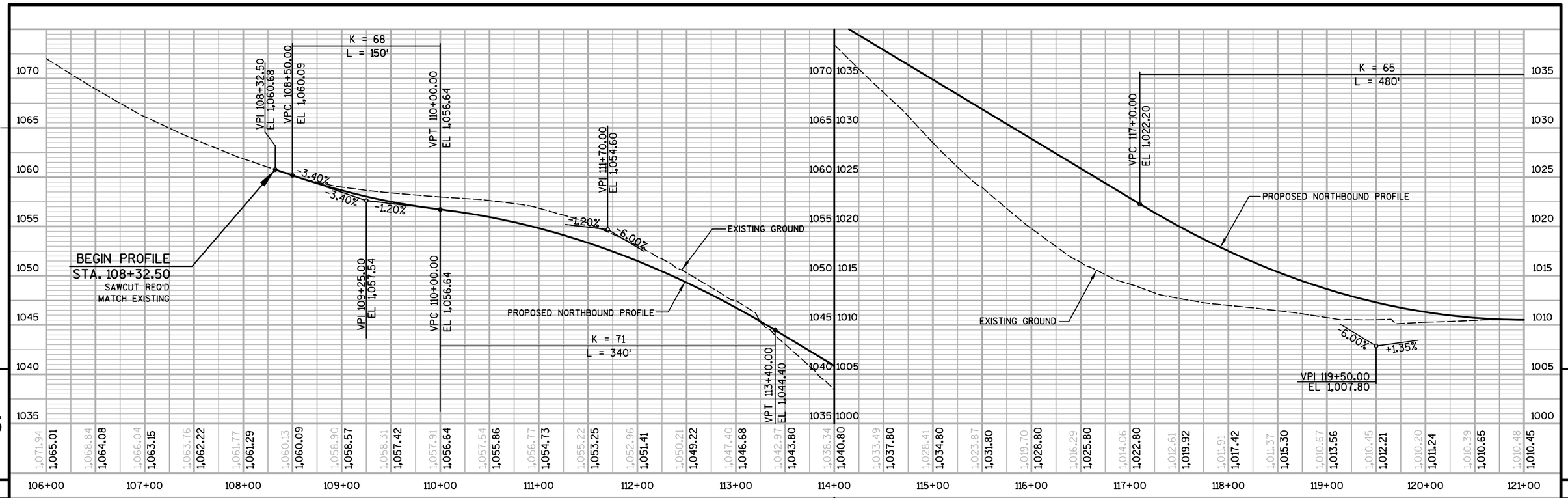
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PLOT DATE :
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$

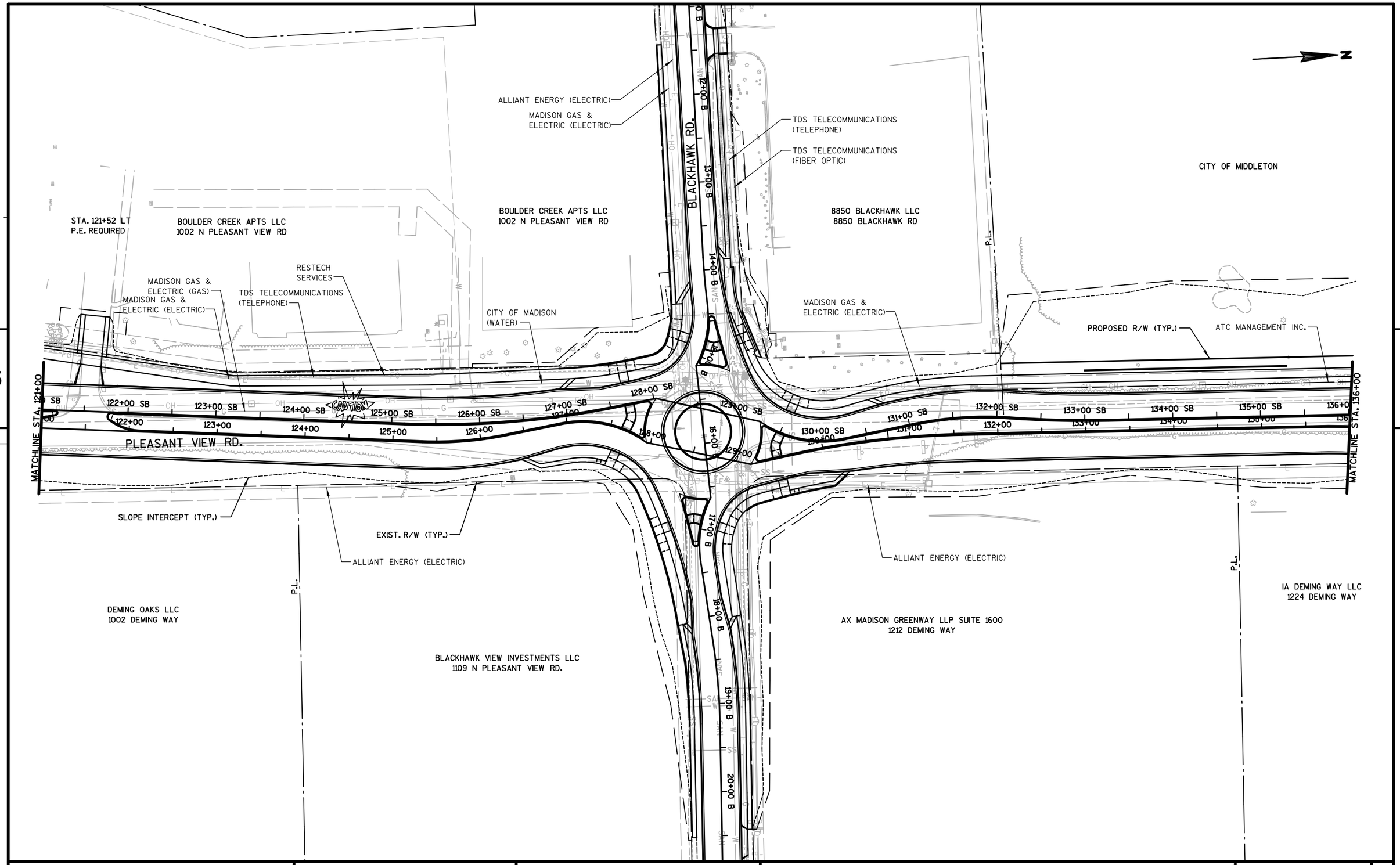
5992-11-00-4.11



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN - PLEASANT VIEW ROAD	SHEET 553	E



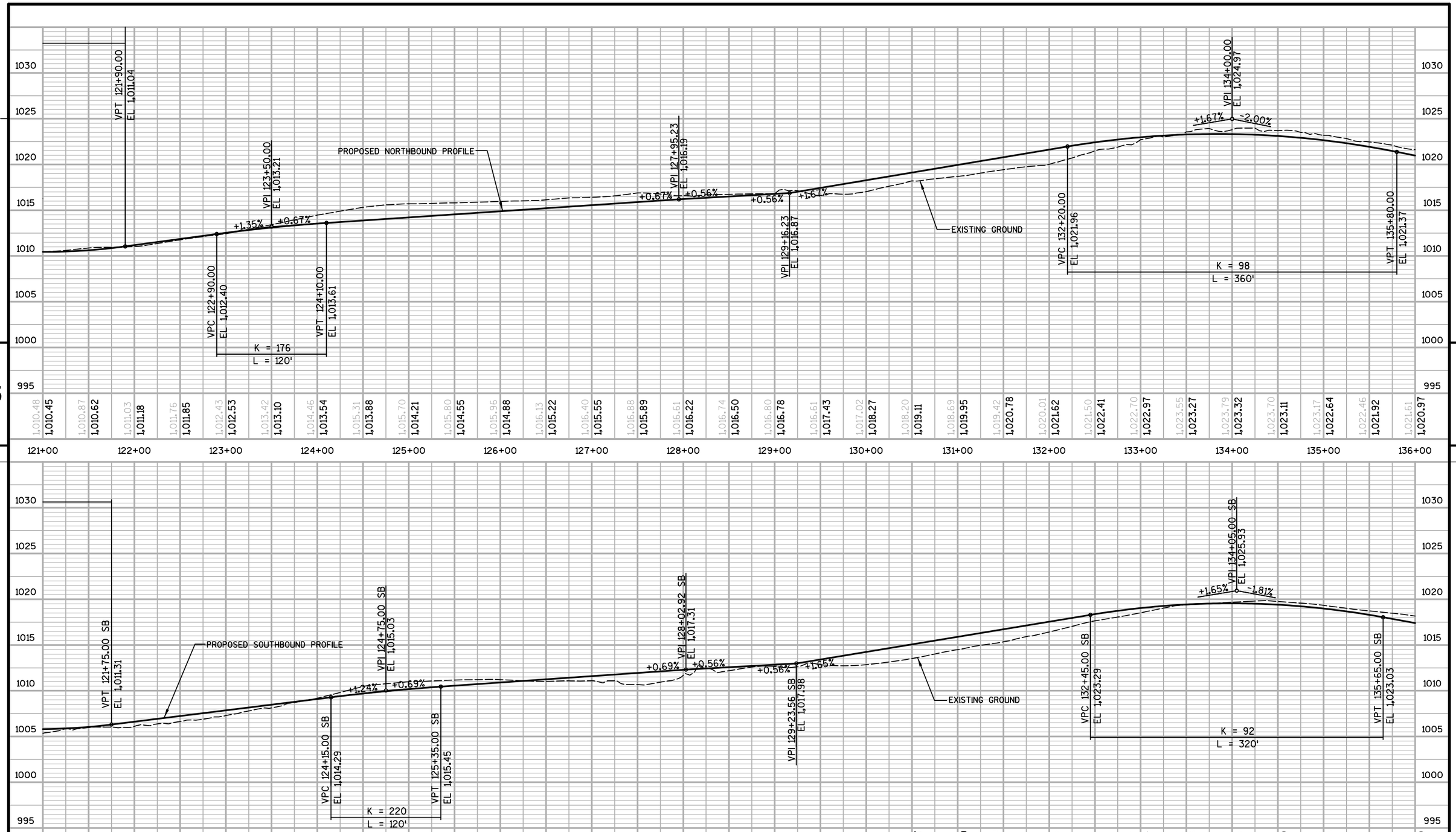
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN - PLEASANT VIEW ROAD	SHEET 555	E

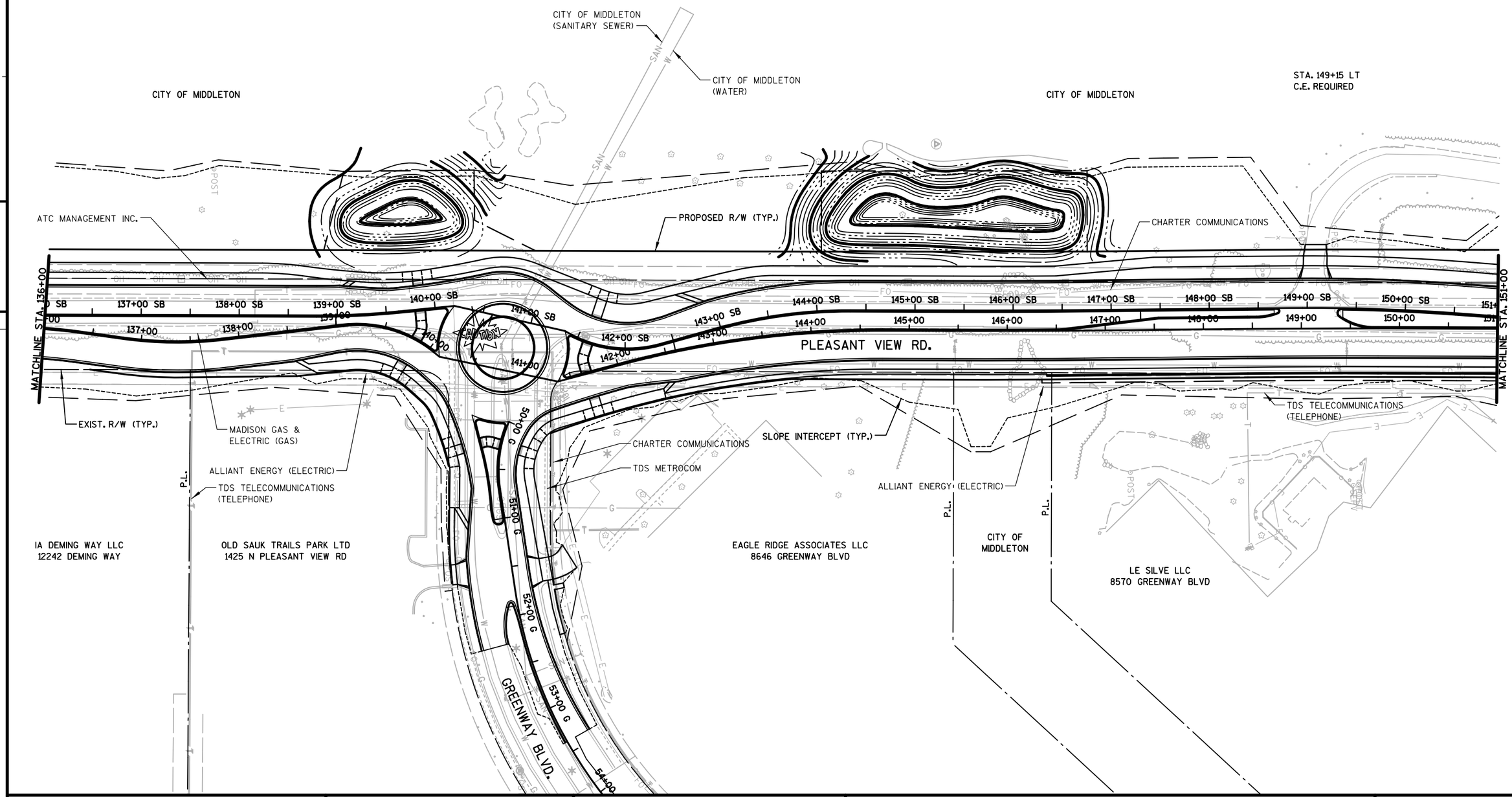
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WISDOT/CADDS SHEET 44



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW RO	COUNTY: DANE	PROFILE - PLEASANT VIEW ROAD	SHEET	E

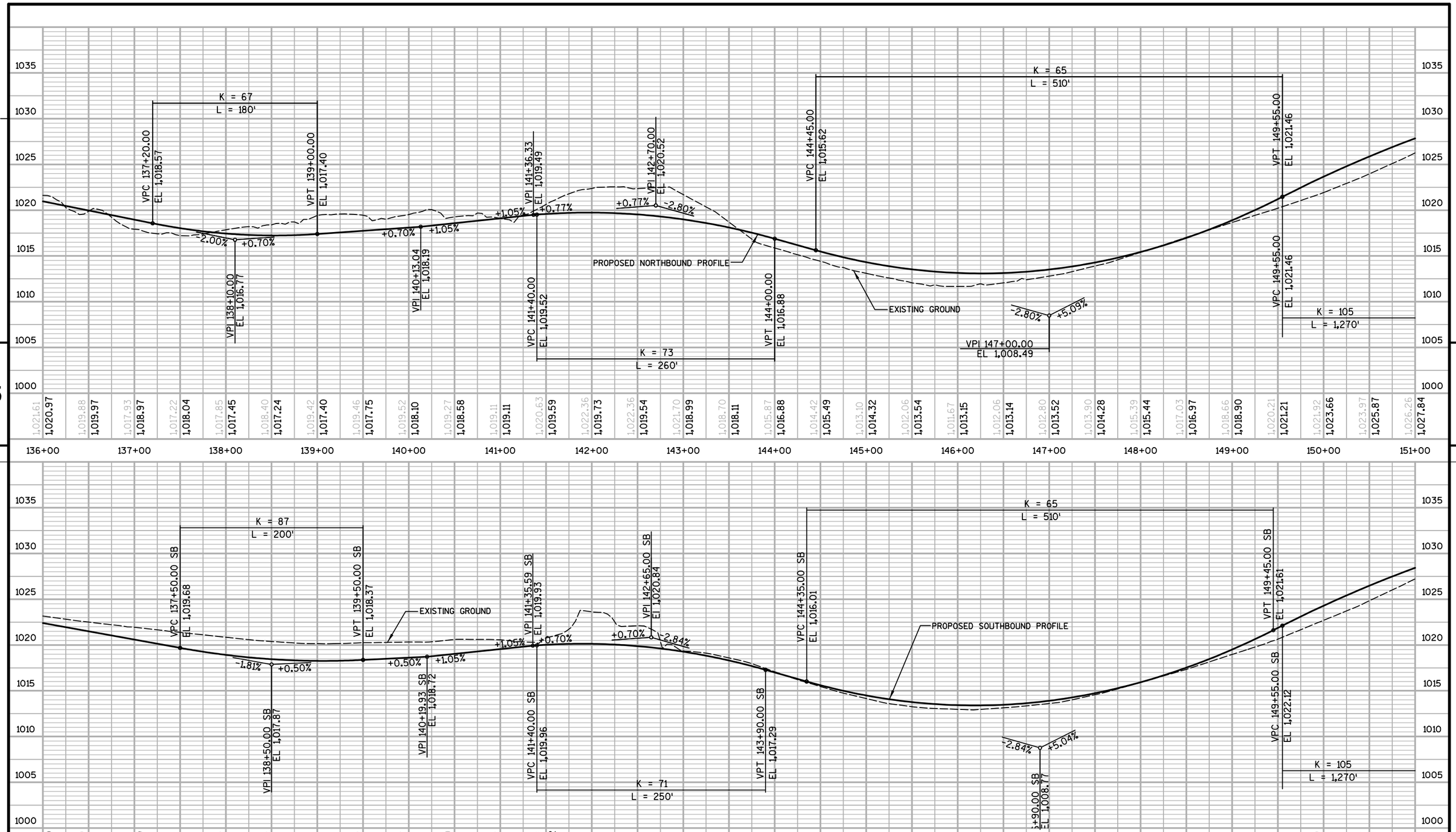
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN - PLEASANT VIEW ROAD	SHEET 557	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\050105_pp.dgn PLOT DATE : 2/1/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 44



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW RO	COUNTY: DANE	PROFILE - PLEASANT VIEW ROAD	SHEET 558	E

CITY OF MIDDLETON

ATC MANAGEMENT INC.

NORTHWESTERN STONE LLC

CHARTER COMMUNICATIONS

MADISON GAS & ELECTRIC (ELECTRIC)

SLOPE INTERCEPT (TYP.)

PROPOSED R/W (TYP.)

P.L.

RICHARD C BAKKEN & SHAREL L BAKKEN 4315 PLEASANT VIEW RD

LYCON INC 4343 PLEASANT VIEW RD

STA. 166+13 LT C.E. REQUIRED

STA. 151+00

MATCHLINE STA. 151+00

151+00 SB
152+00 SB
153+00 SB
154+00 SB
155+00 SB
156+00 SB
157+00 SB
158+00 SB
159+00 SB
160+00 SB
161+00 SB
162+00 SB
163+00 SB
164+00 SB
165+00 SB

161+00
162+00
163+00
164+00

STA. 166+00

MATCHLINE STA. 166+00

PLEASANT VIEW RD.

CAUTION

MADISON GAS & ELECTRIC (ELECTRIC)

TDS METROCOM

MADISON GAS & ELECTRIC (GAS)

CITY OF MIDDLETON (WATER)

TDS TELECOMMUNICATIONS (TELEPHONE)

TDS METROCOM

MADISON GAS & ELECTRIC (ELECTRIC)

GREENWAY PROPERTIES INC.

GREENWAY PROPERTIES INC.

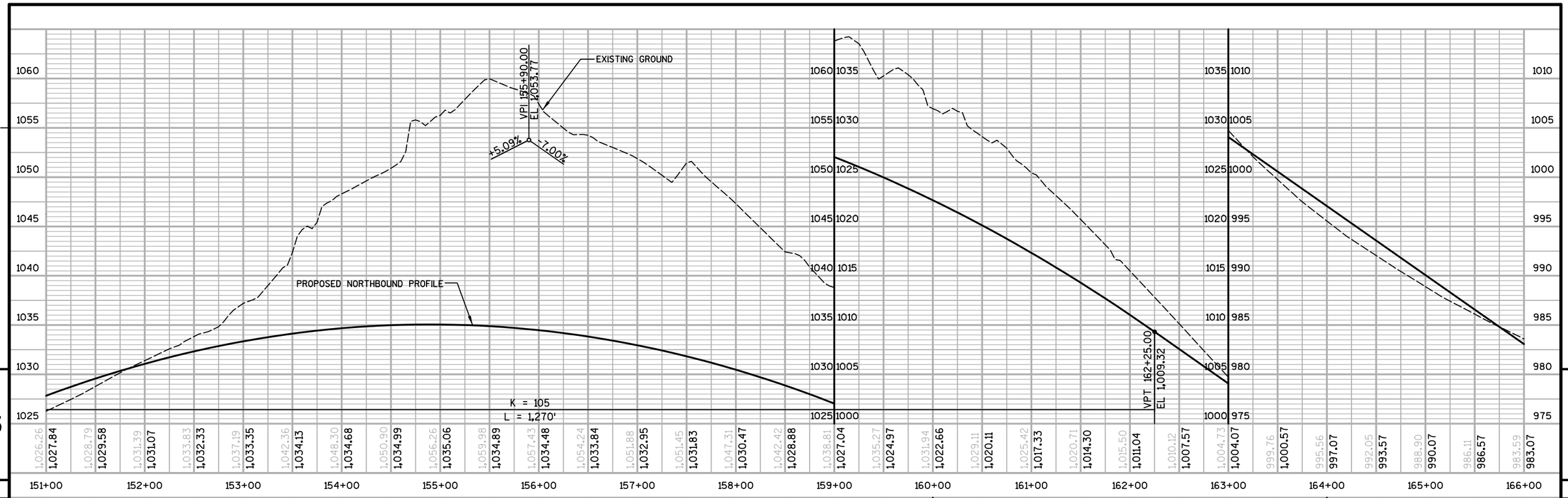
STA. 158+63 RT C.E. REQUIRED

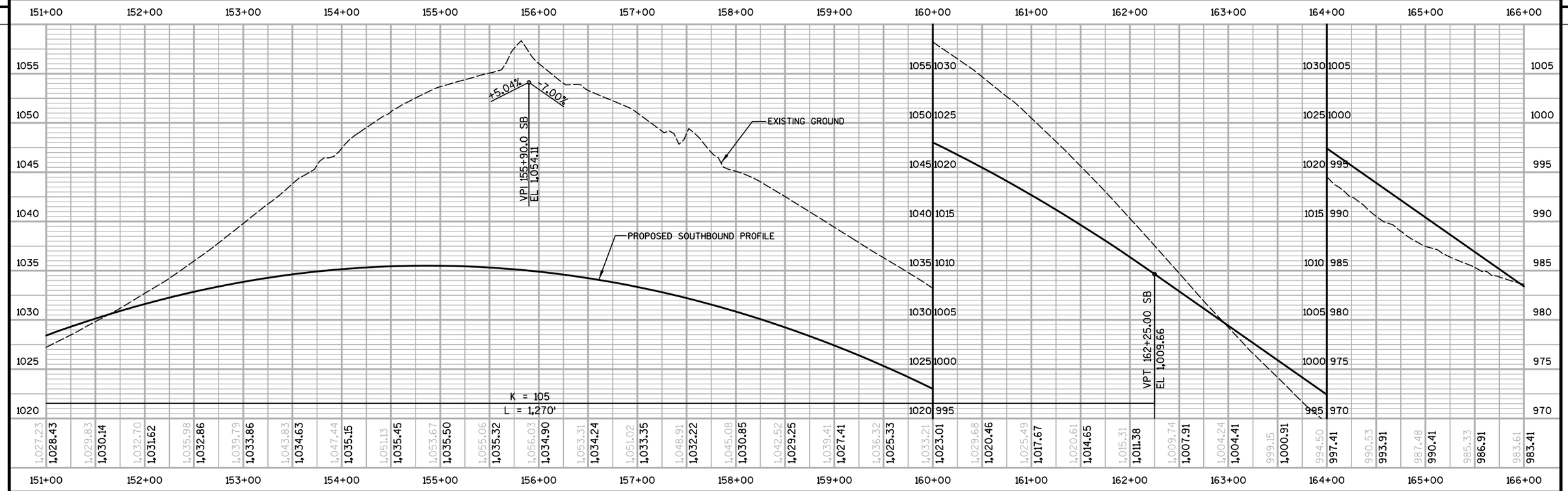
RESEARCH WAY LL LLC 8551 RESEARCH WAY

LE SILVE LLC 8560 GREENWAY BLVD

CITY OF MIDDLETON

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN - PLEASANT VIEW ROAD	SHEET 559	E





PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PROFILE - PLEASANT VIEW ROAD	SHEET 560	E

STA. 166+13 LT
C.E. REQUIRED

LYCON INC
4343 PLEASANT VIEW RD

NORTHWESTERN STONE LLC
4343 PLEASANT VIEW RD

SLOPE INTERCEPT (TYP.)

STA. 171+45 LT
C.E. REQUIRED

STA. 177+30 LT
P.E. REQUIRED

STA. 178+90 LT
P.E. REQUIRED

THEODORE J
HELLECKSON
4377 PLEASANT
VIEW RD

THEODORE J
HELLECKSON
4389 PLEASANT
VIEW RD

TDS METROCOM

MADISON GAS &
ELECTRIC (ELECTRIC)

MATCHLINE STA. 166+00

MATCHLINE STA. 181+00

PROPOSED
R/W (TYP.)

MADISON GAS &
ELECTRIC (GAS)

EXIST. R/W (TYP.)

TDS TELECOMMUNICATIONS
(TELEPHONE)

MADISON GAS &
ELECTRIC (ELECTRIC)

RESEARCH WAY
LL LLC
8551 RESEARCH
WAY

CITY OF MIDDLETON
(WATER)

CITY OF MIDDLETON
(SANITARY SEWER)

EXIST. R/W (TYP.)

TDS
TELECOMMUNICATIONS
(TELEPHONE)

STA. 175+25 RT
C.E. REQUIRED

MIDDLETON FARMERS CO-OP
1755 PLEASANT VIEW RD

MIDDLETON FARMERS CO-OP
1987 PLEASANT VIEW RD

TDS TELECOM

END PROJECT 5992-11-01
BEGIN PROJECT 5310-02-75
STA. 178+00.00

PLEASANT VIEW RD.

QUARRY RD.

CAUTION

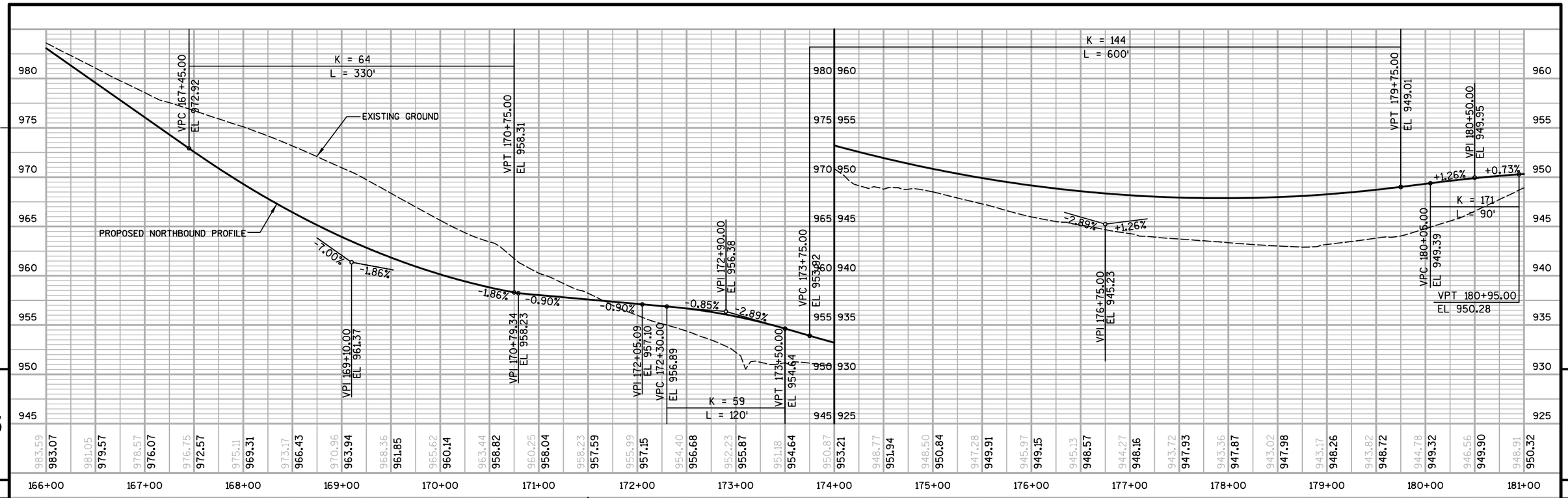
P.L.

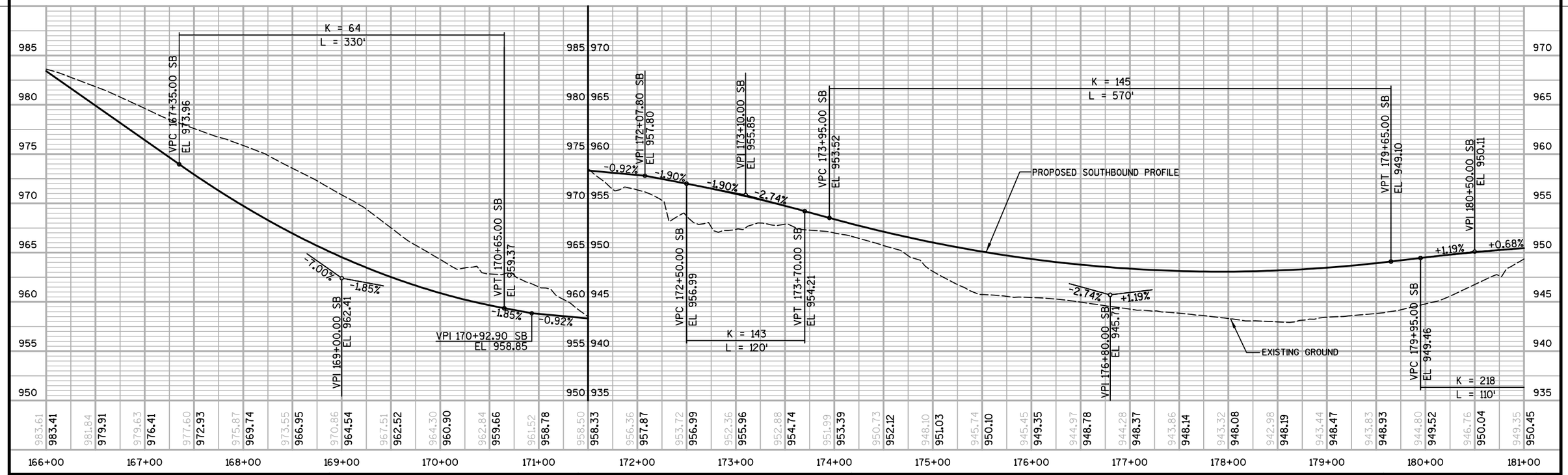
OH

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN - PLEASANT VIEW ROAD	SHEET 561	E

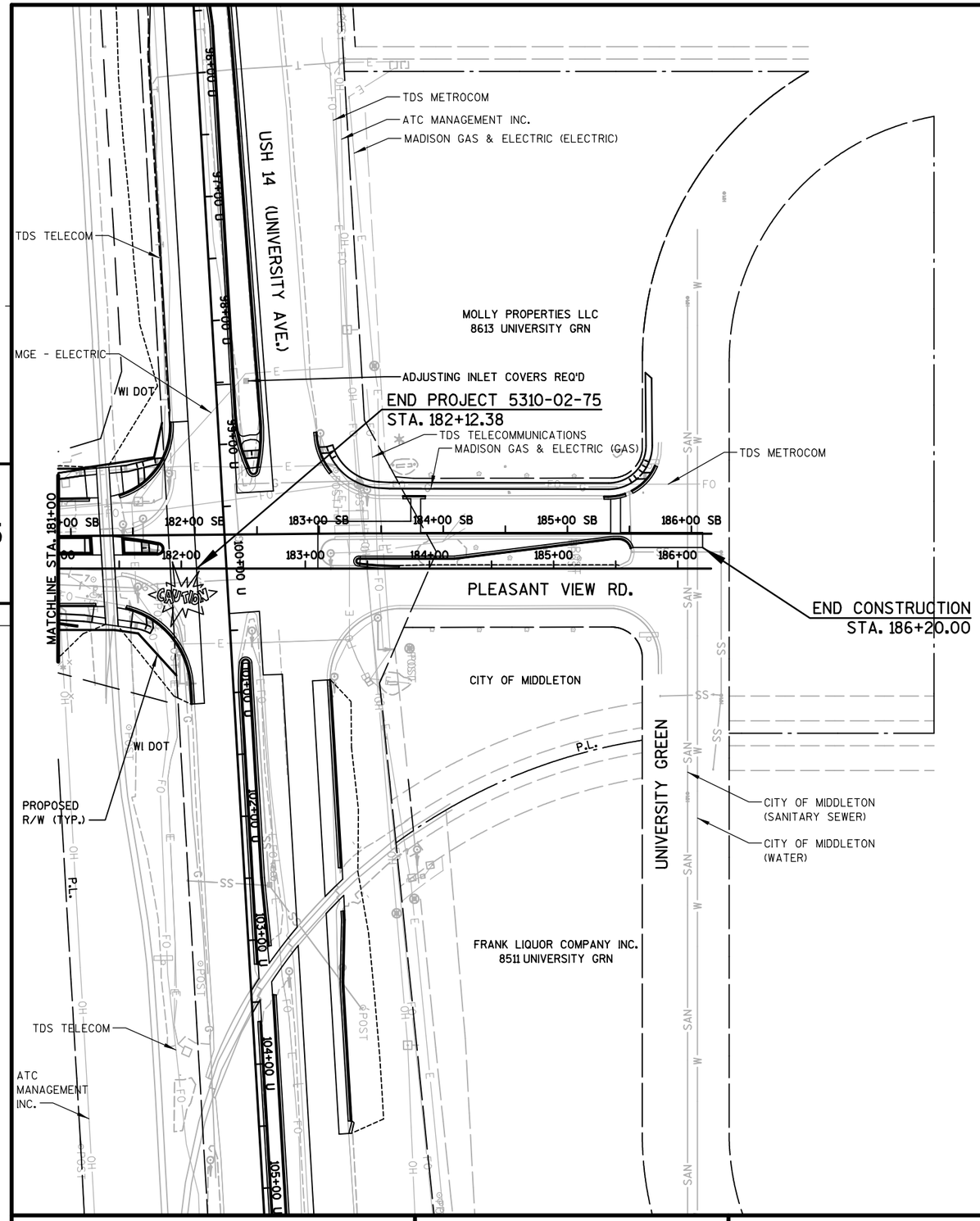
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WISDOT/CADDS SHEET 44





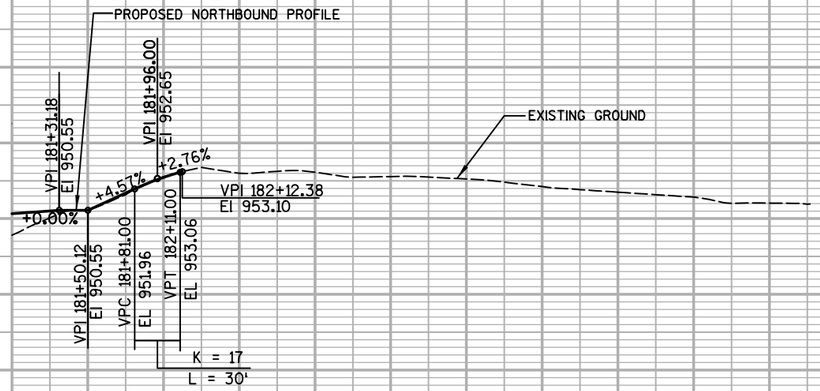
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PROFILE - PLEASANT VIEW ROAD	SHEET 562 E

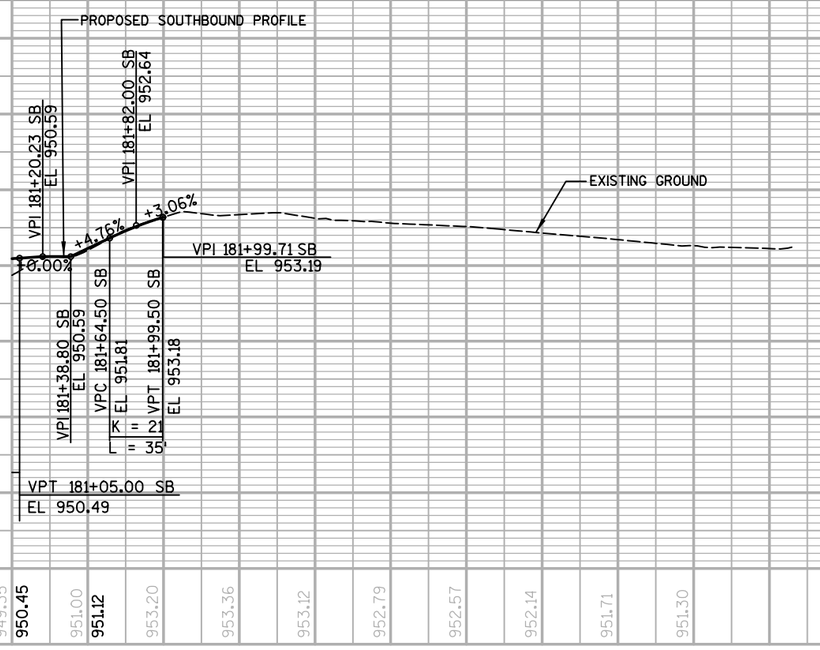


PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	PLAN - PLEASANT VIEW ROAD	SHEET 563	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\050111_pp.dgn PLOT DATE : 7/28/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 44



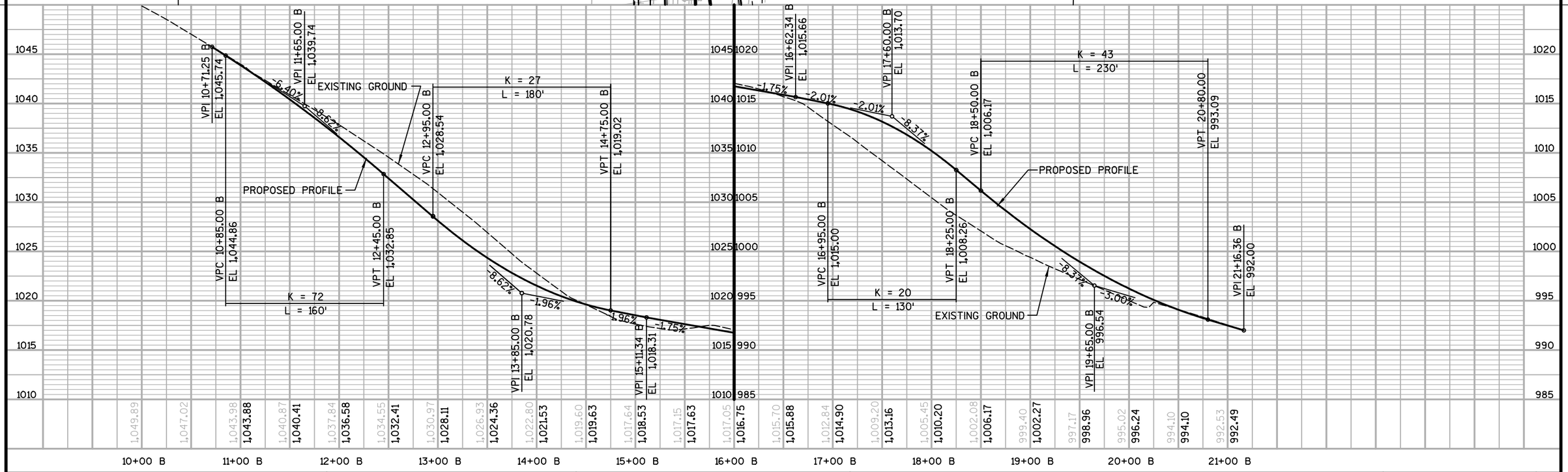


PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	PROFILE - PLEASANT VIEW ROAD	SHEET 564	E

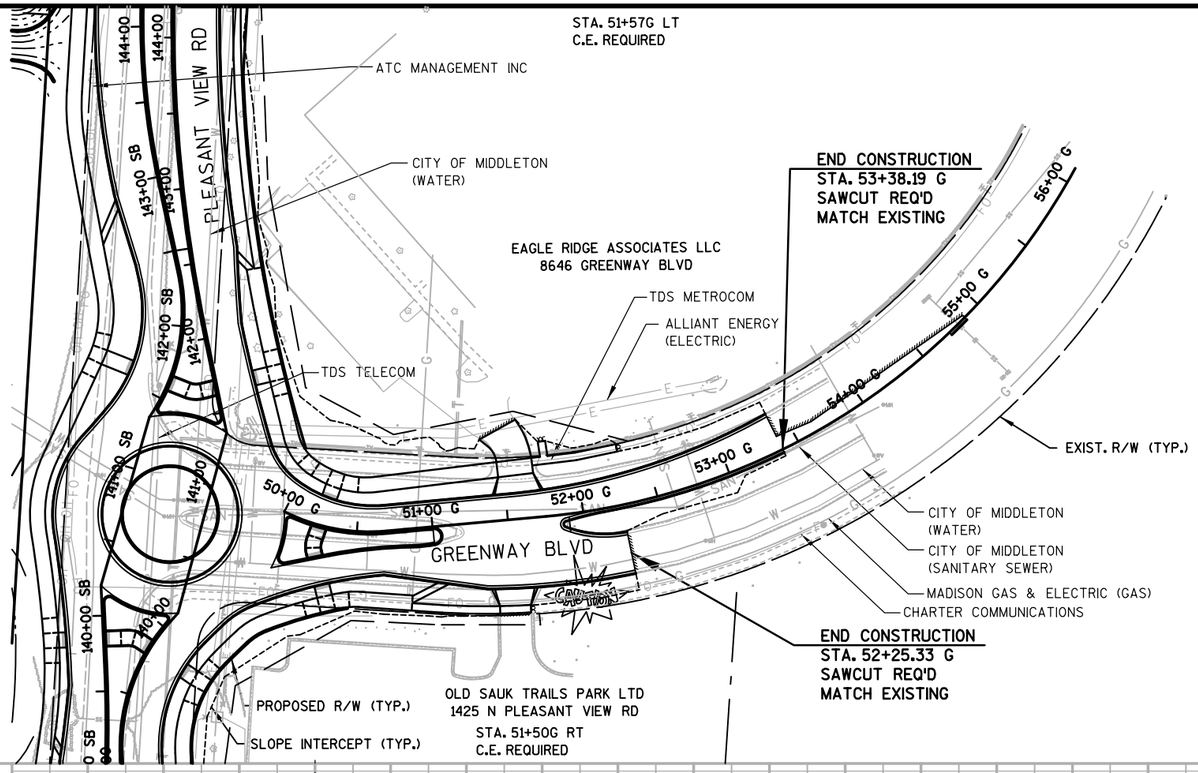
STA. 11+41 B LT
C.E. REQUIRED

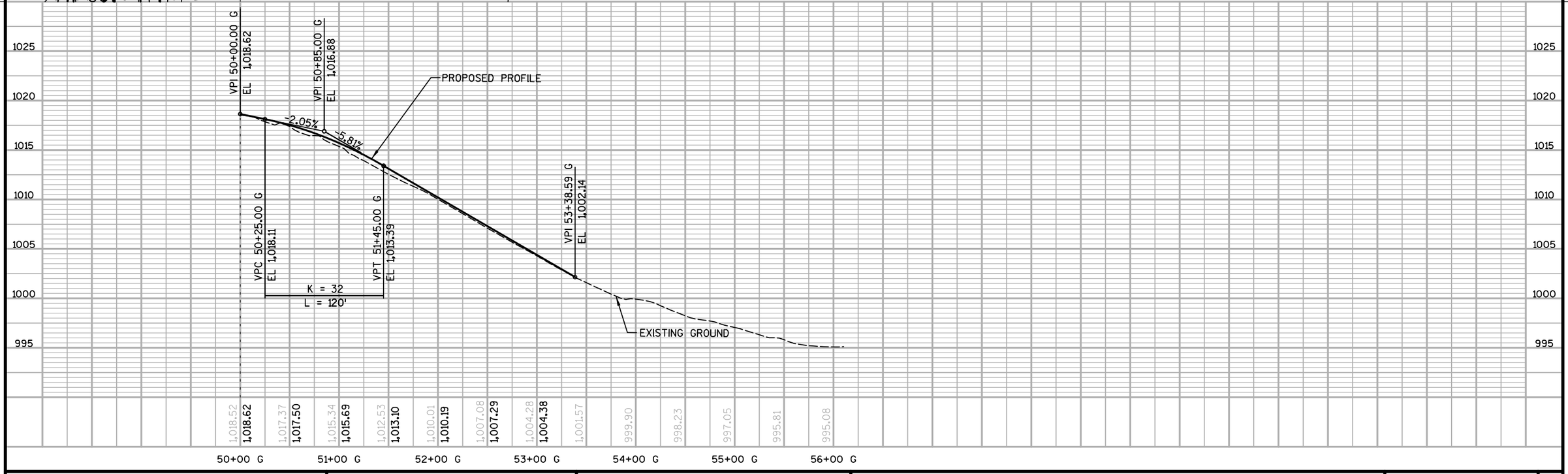
8850 BLACKHAWK LLC
8850 BLACKHAWK RD

MADISON GAS & ELECTRIC (GAS)
TDS TELECOM (TELEPHONE & FIBER OPTIC)
MADISON GAS & ELECTRIC (ELECTRIC)
EXIST. R/W (TYP.)
P.L.
PLEASANT VIEW RD
131+00 SB
130+00 SB
129+00 SB
128+00 SB
127+00 SB
AX MADISON GREENWAY LLP SUITE 1600
1212 DEMING WAY
CITY OF MADISON (STORM SEWER)
ALLIANT ENERGY (ELECTRIC)
CITY OF MADISON (STREET LIGHTING)
TDS TELECOM (TELEPHONE & FIBER OPTIC)
SLOPE INTERCEPT (TYP.)
STA. 20+58 B LT
C.E. REQUIRED
N
END CONSTRUCTION
STA. 21+16.36 B
SAWCUT REQ'D
MATCH EXISTING
10+00 B
11+00 B
12+00 B
13+00 B
14+00 B
15+00 B
16+00 B
17+00 B
18+00 B
19+00 B
20+00 B
21+00 B
BLACKHAWK RD
BEGIN CONSTRUCTION
STA. 10+71.25 B
SAWCUT REQ'D
MATCH EXISTING
MADISON GAS & ELECTRIC (ELECTRIC)
ALLIANT ENERGY (ELECTRIC)
ALLIANT ENERGY (ELECTRIC)
CITY OF MADISON (WATER)
CITY OF MADISON (STORM SEWER)
CITY OF MADISON (SANITARY SEWER)
CITY OF MADISON (ELECTRIC)
PROPOSED R/W (TYP.)
BOULDER CREEK APTS LLC
1002 N PLEASANT VIEW RD
BLACKHAWK VIEW INVESTMENTS LLC
1109 N PLEASANT VIEW RD
BLACKHAWK VIEW INVESTMENTS LLC
1110 DEMING WAY
ATC MANAGEMENT INC

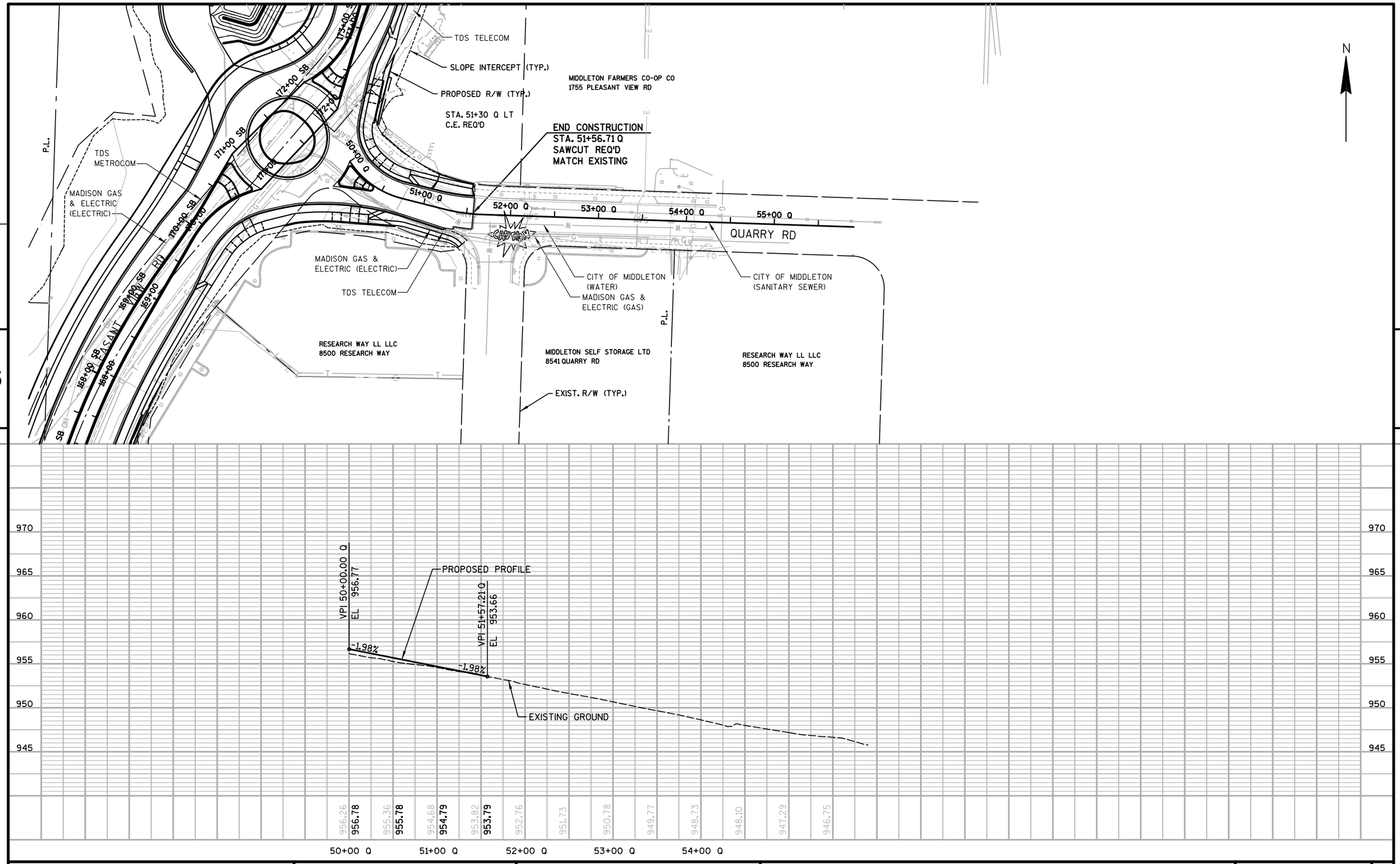


PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN AND PROFILE - BLACKHAWK ROAD	SHEET 565	E





PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN AND PROFILE - GREENWAY BLVD	SHEET 566	E



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN AND PROFILE - QUARRY ROAD	SHEET 567	E

NORTHWESTERN STONE LLC

GREENWAY PROPERTIES INC.

TDS TELECOM

MADISON GAS & ELECTRIC (ELECTRIC)

SLOPE INTERCEPT (TYP.)

BEGIN CONSTRUCTION
STA. 36+69.34 BP

ATC MANAGEMENT INC.

P.L.

CAUTION

MADISON GAS & ELECTRIC (GAS)

CHARTER COMMUNICATIONS

MADISON GAS & ELECTRIC (ELECTRIC)

CITY OF MIDDLETON

GREENWAY PROPERTIES INC.

END CONSTRUCTION
STA. 42+33.71 BP

TDS METROCOM

CITY OF MIDDLETON

PROPOSED R/W (TYP.)

CITY OF MIDDLETON (WATER)

LE SILVE LLC
8560 GREENWAY BLVD

PLEASANT VIEW RD.

157+00 SB
156+00 SB
155+00 SB
154+00 SB
153+00 SB

N

5

5

PROPOSED PROFILE

EXISTING PROFILE

VPI 36+64.88 BP
EL 1,065.28

VPI 37+45.50 BP
EL 1,060.50

VPI 37+35.50 BP
EL 1,060.65

VPI 39+45.00 BP
EL 1,052.52

VPC 39+20.00 BP
EL 1,053.52

VPT 39+70.00 BP
EL 1,050.71

-6.56%
-1.50%
-4.00%
-4.00%
-1.25%

K = 15
L = 50'

K = 12
L = 50'

VPC 41+80.00 BP
EL 1,035.48

VPT 42+30.00 BP
EL 1,032.91

VPI 42+33.78 BP
EL 1,032.80

VPI 42+05.00 BP
EL 1,033.66

-1.25%
-3.00%

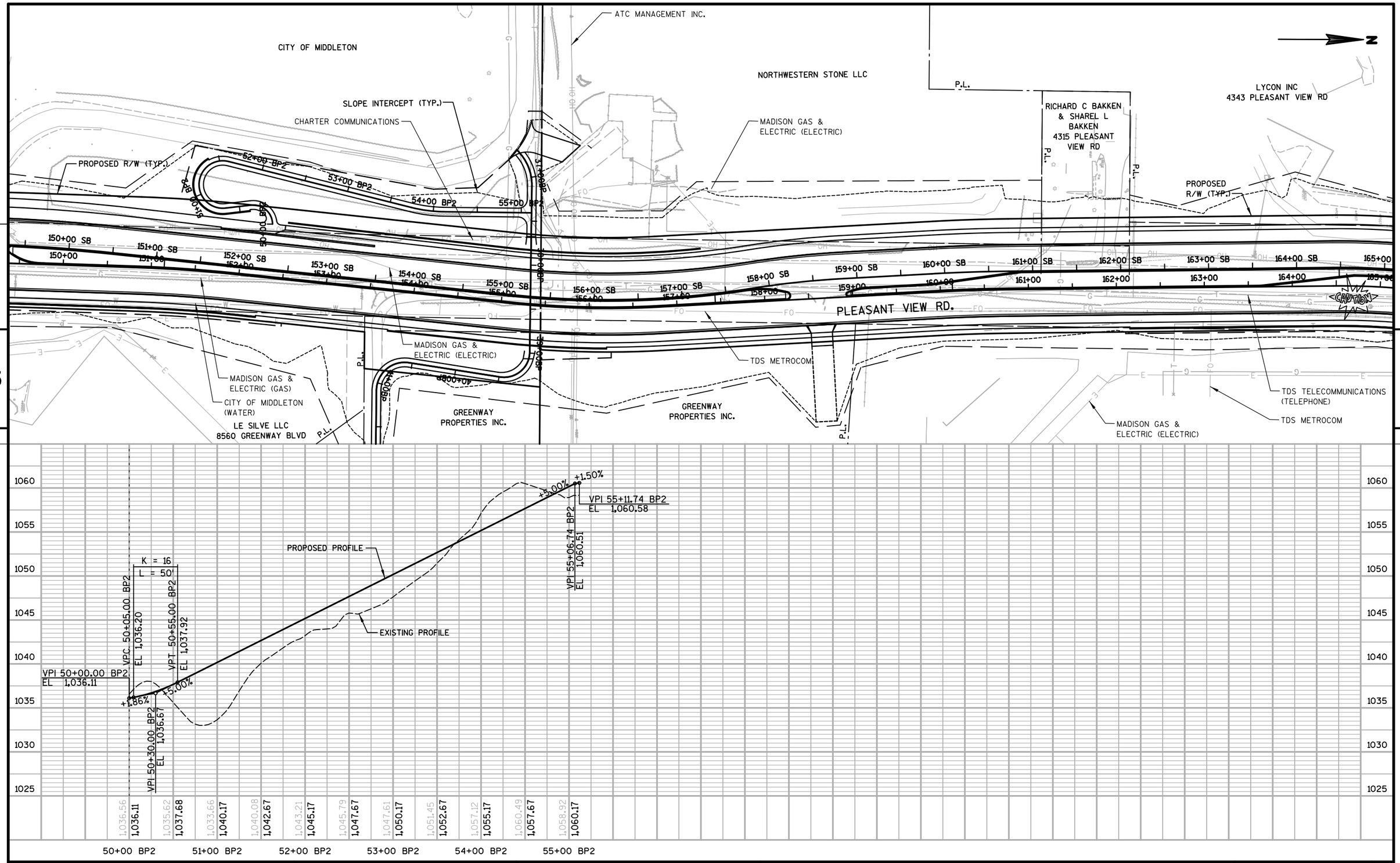
1075 1050 1045 1040 1035 1030 1025 1020 1015

1062.38 1062.98 1058.22 1060.32 1054.07 1058.32 1059.72 1056.32 1058.74 1054.32 1054.04 1052.03 1050.76 1048.53 1044.64 1044.90 1038.93 1041.28 1036.50 1037.65 1034.20 1034.20 1032.43 1033.39 1035.80 1038.19 1039.38 1037.38 1033.60

34+00 BP 35+00 BP 36+00 BP 37+00 BP 38+00 BP 39+00 BP 40+00 BP 41+00 BP 42+00 BP 43+00 BP 44+00 BP

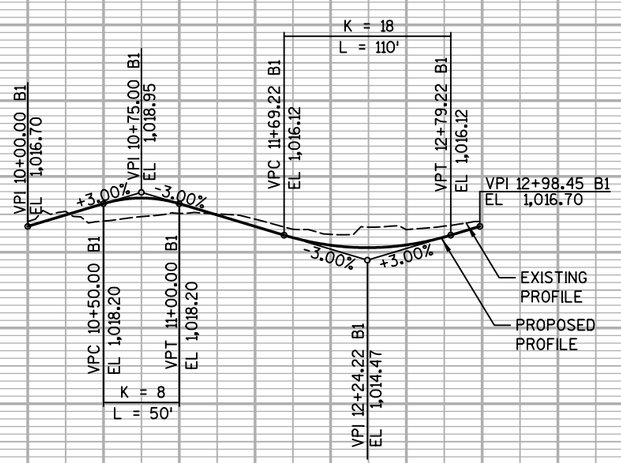
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN AND PROFILE - BP LINE	SHEET	E

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PLOT BY : _username_
PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 40

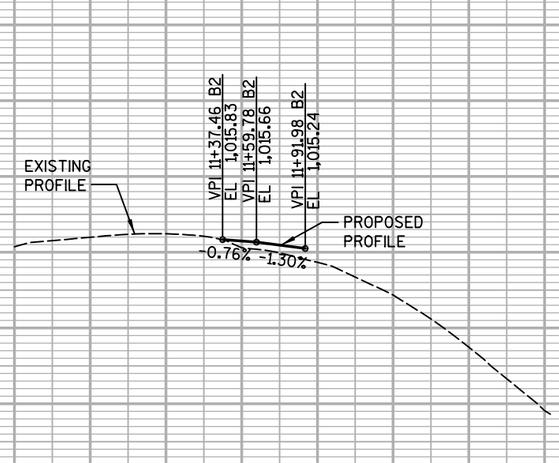


PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PLAN AND PROFILE - BP2 LINE	SHEET 569	E

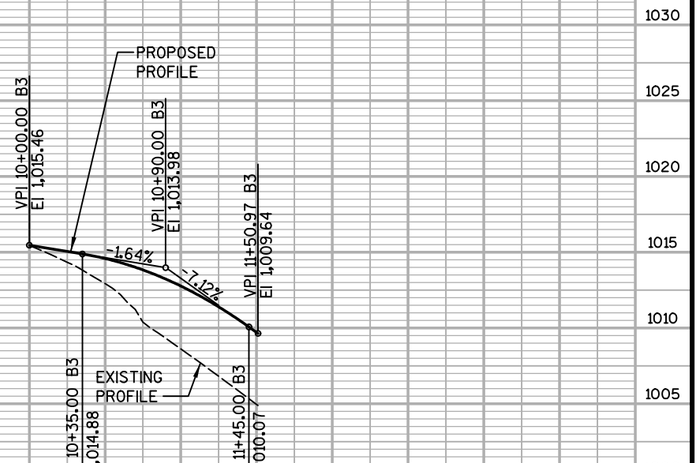
B1 PROFILE



B2 PROFILE



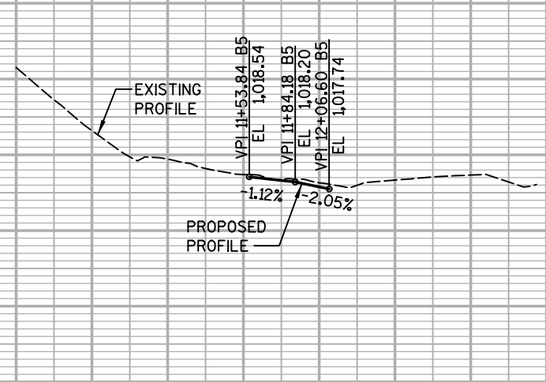
B3 PROFILE



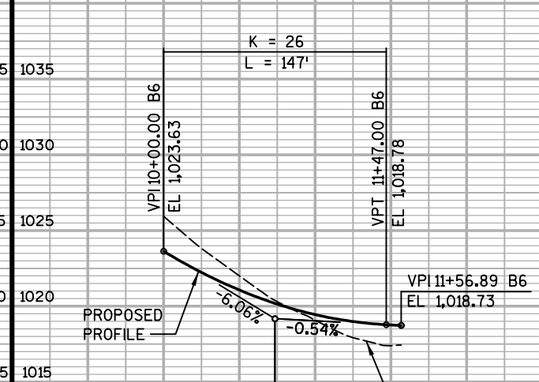
B4 PROFILE



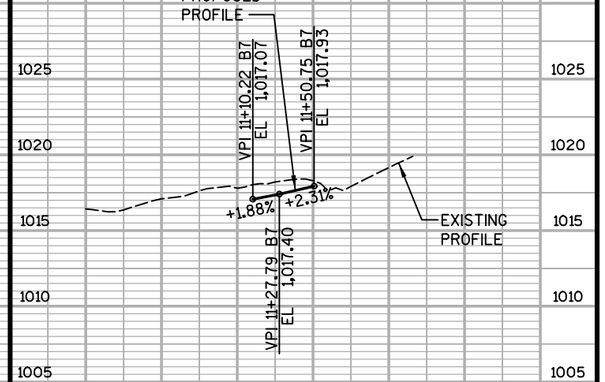
B5 PROFILE



B6 PROFILE

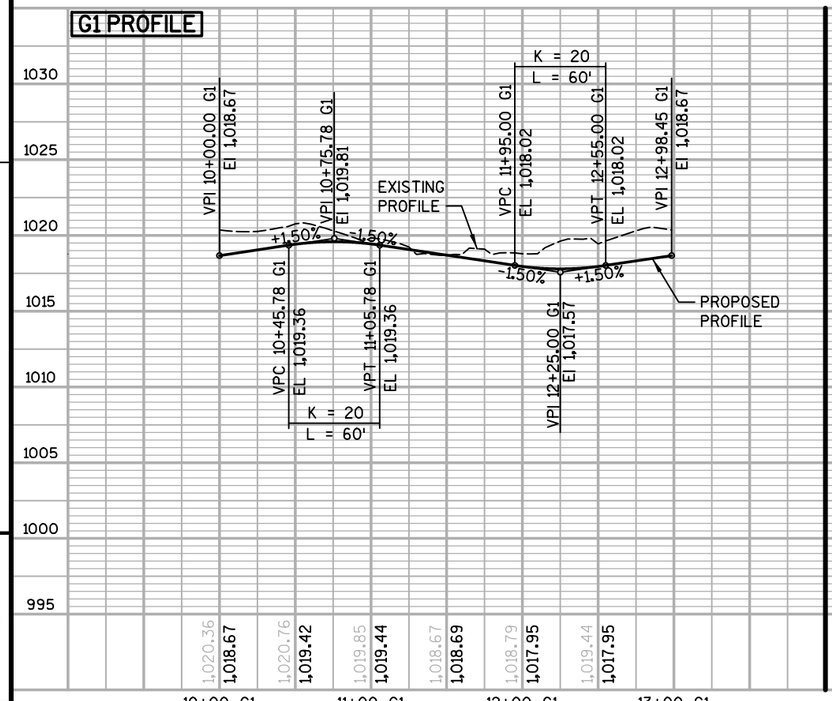


B7 PROFILE

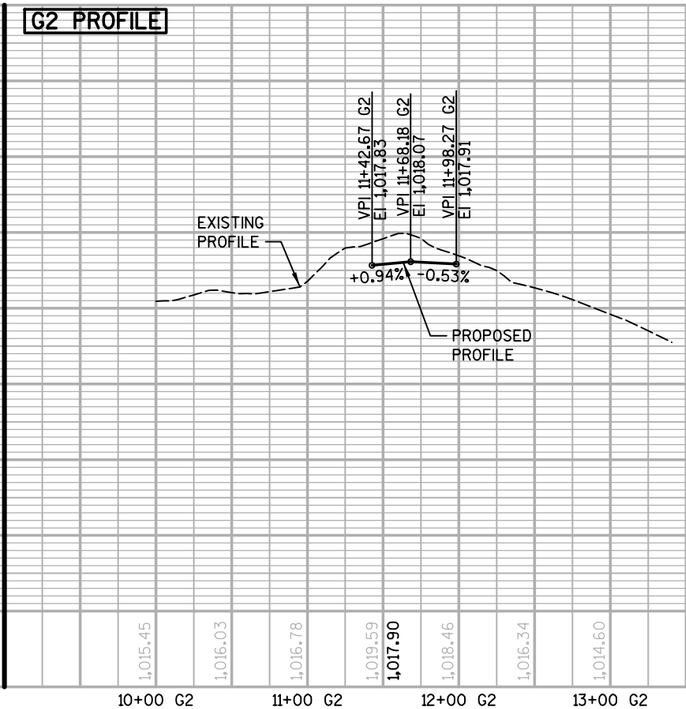


PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PROFILES - BLACKHAWK ROAD ROUNDABOUT	SHEET 570 E

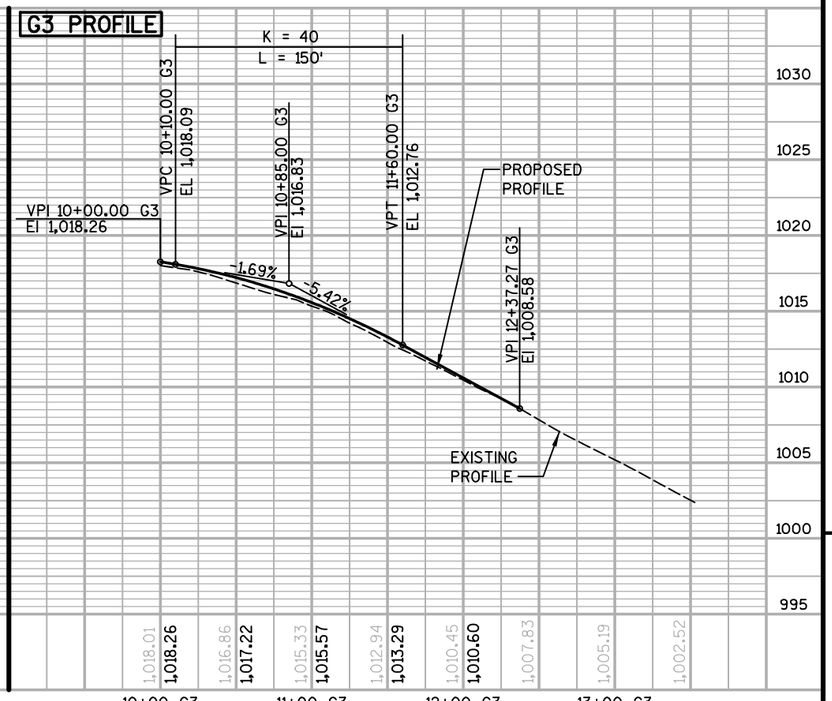
G1 PROFILE



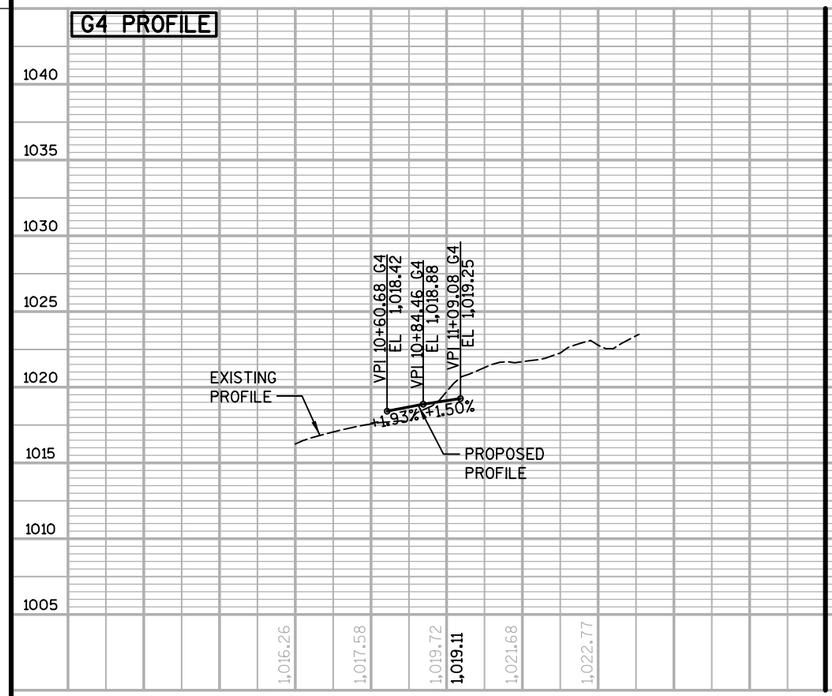
G2 PROFILE



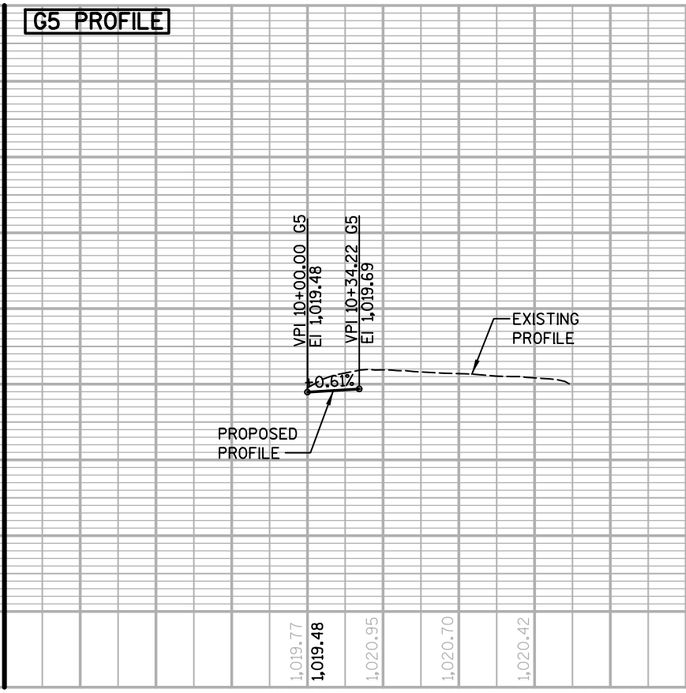
G3 PROFILE



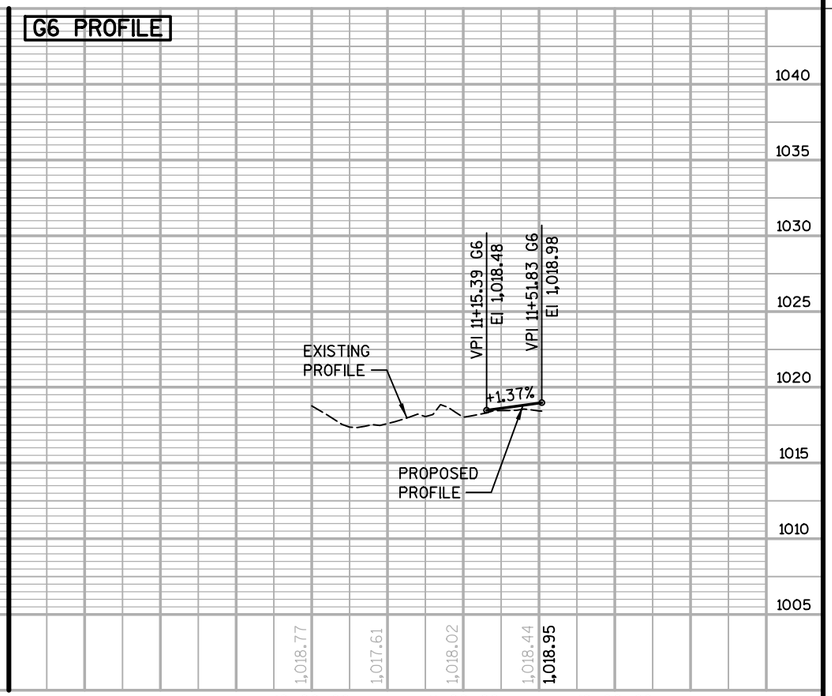
G4 PROFILE



G5 PROFILE

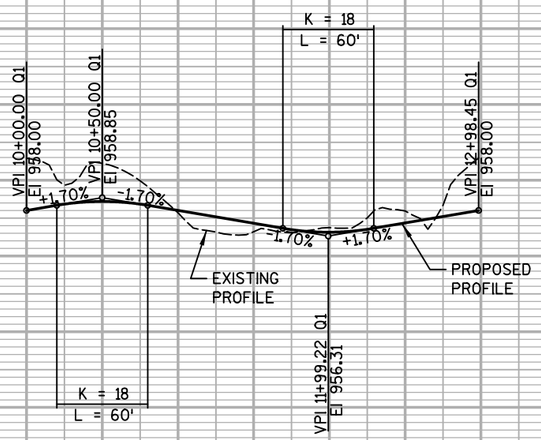


G6 PROFILE



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PROFILES - GREENWAY BOULEVARD ROUNDABOUT	SHEET 571 E

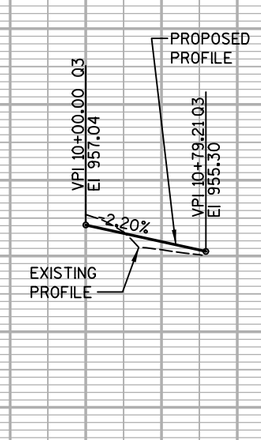
Q1 PROFILE



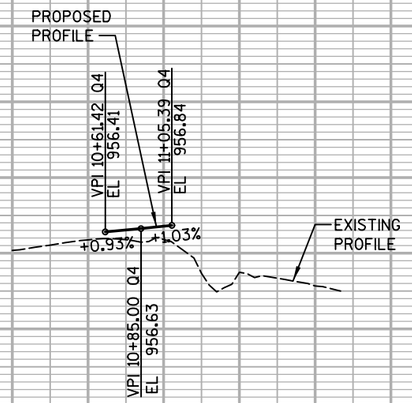
Q2 PROFILE



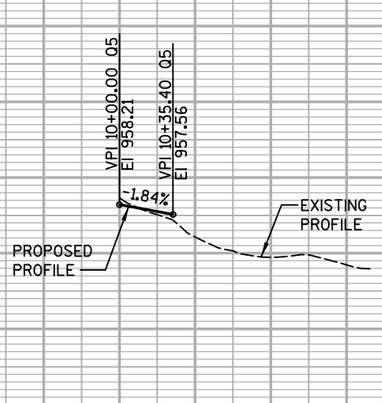
Q3 PROFILE



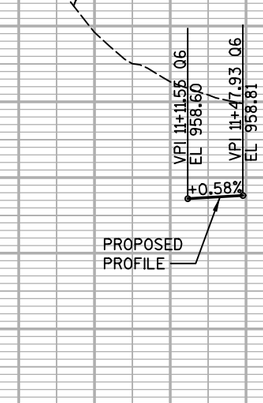
Q4 PROFILE



Q5 PROFILE



Q6 PROFILE



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	PROFILES - QUARRY ROAD ROUNDABOUT	SHEET 572	E

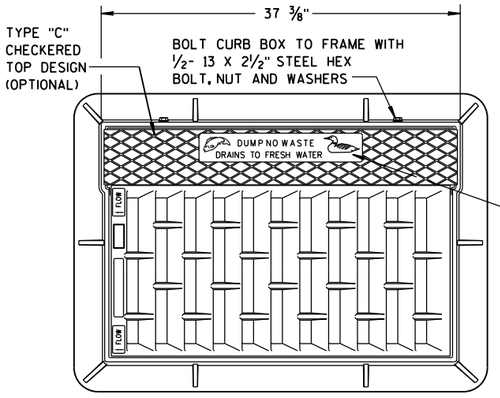
Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-03	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-06	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B04-11	PULL BOX
09B16-01	PULL BOX NON-CONDUCTIVE
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C05-10	CONCRETE CONTROL CABINET BASES
09C12-09A	CONCRETE BASE TYPE 13
09C12-09B	CONCRETE BASE TYPE 13
09C14-03	CONCRETE CONTROL CABINET BASE, TYPE L
09C15-01	CONCRETE BASE TYPE 10 SPECIAL
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D02-03	SIGNAL CONTROL CABINET
09D04-03	LIGHTING CONTROL CABINET 120/240 VOLT
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09E08-09G	TYPE 10 SPECIAL POLE 40' MONOTUBE ARM
09E08-09J	TYPE 13 POLE 35'-55' MONOTBE ARM
09E12-01D	OVER HEIGHT TYPE 13 POLE 35'-55' MONOTBE ARM
09E12-01E	GENERAL NOTES AND HARDWARE DETAILS FOR OVER HEIGHT TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS
09G01-04A	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04C	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09H11-01	IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENTS
11B02-02	CONCRETE MEDIAN NOSE
12A03-10	NAME PLATE (STRUCTURES)
13B01-10	PAVEMENT DETAILS FOR RAILROAD APPROACH
13C15-06A	CONCRETE BASE
13C15-06B	CONCRETE BASE
13C18-07A	CONCRETE PAVEMENT JOINTING
13C18-07C	CONCRETE PAVEMENT JOINT TYPES
13C18-07D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
13C19-03	HMA LONGITUDINAL JOINTS
14A02-01	TREE PLANTING DETAIL
14B07-15A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

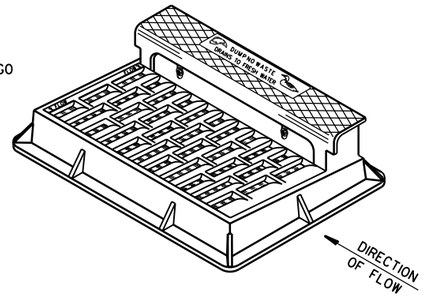
6

Standard Detail Drawing List

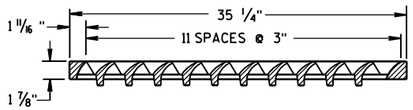
14B07-15D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15I	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B08-02A	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02B	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02C	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02D	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02E	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15D	ROUNDABOUT ARROWS
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20B	PAVEMENT MARKING (TURN LANES)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C09-12A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C18-05A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-05B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-04A	PAVEMENT MARKING (INTERSECTIONS)
15D12-10A	TRAFFIC CONTROL, LANE CLOSURE
15D20-06A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D30-06A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-06B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

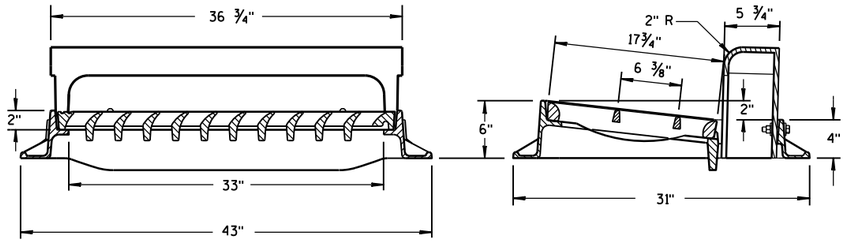


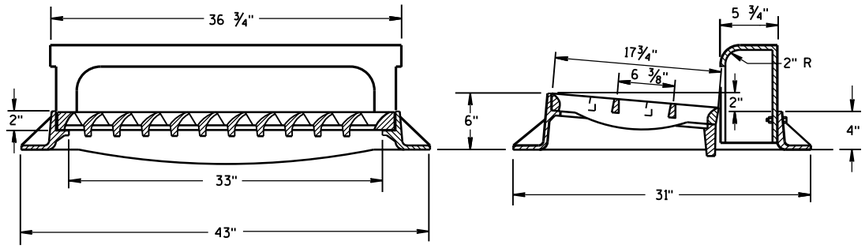
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

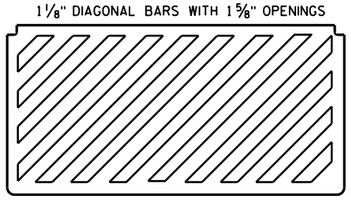






TYPE "H"

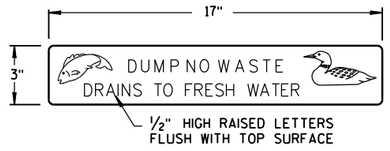
NOTE: EITHER CASTING IS ACCEPTABLE



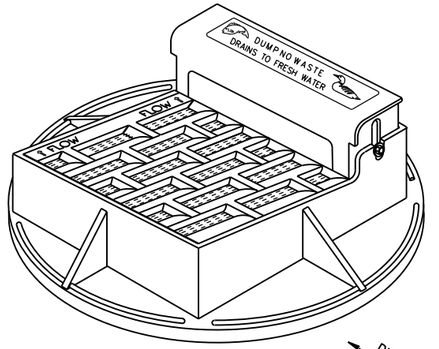
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

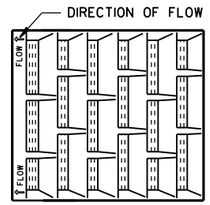
NOTE:
GRATE IS REVERSIBLE.

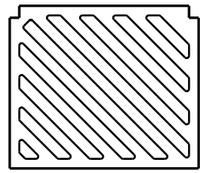
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

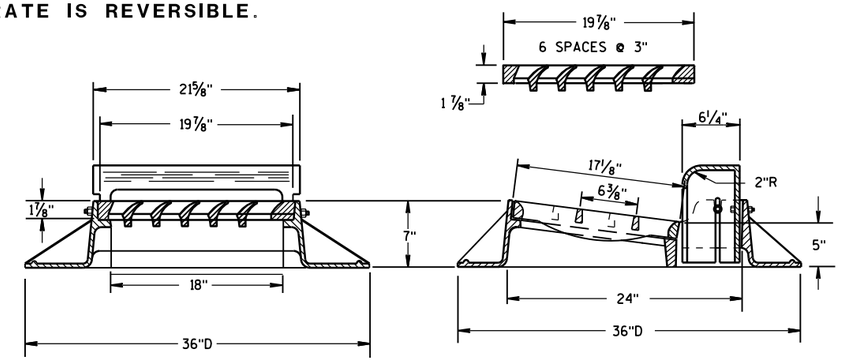




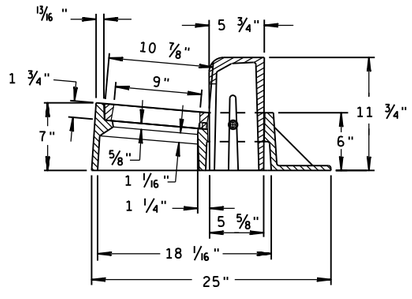
SPECIAL GRATE FOR TYPE "A" COVER

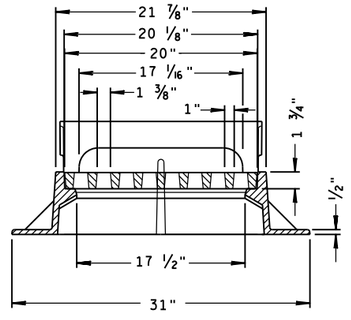
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)

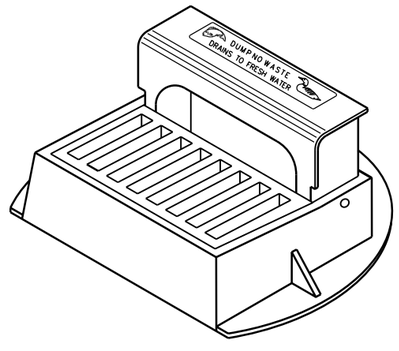


TYPE "A"





TYPE "Z"



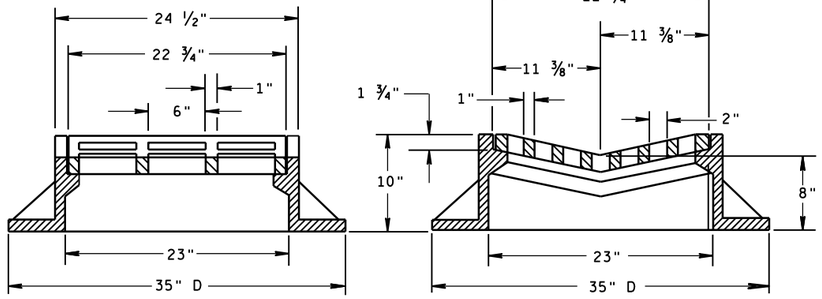
INLET COVERS
TYPE A, H, A-S, H-S & Z

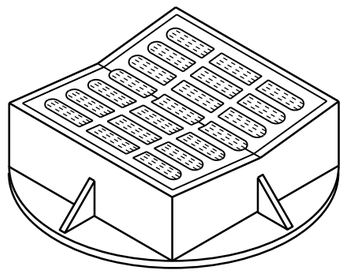
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

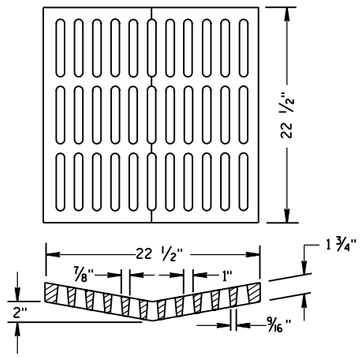
6

S.D.D. 8 A 5-19a



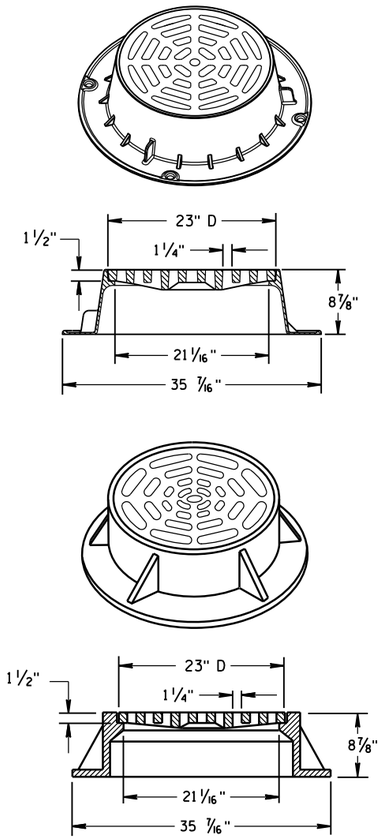


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

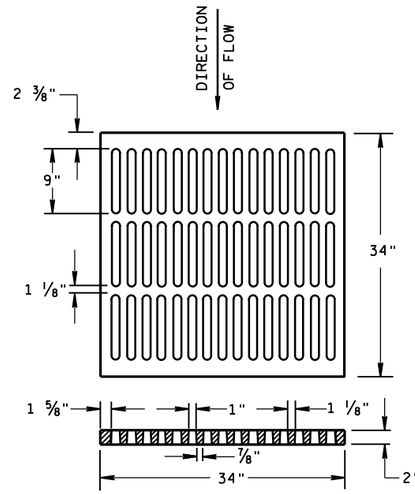
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

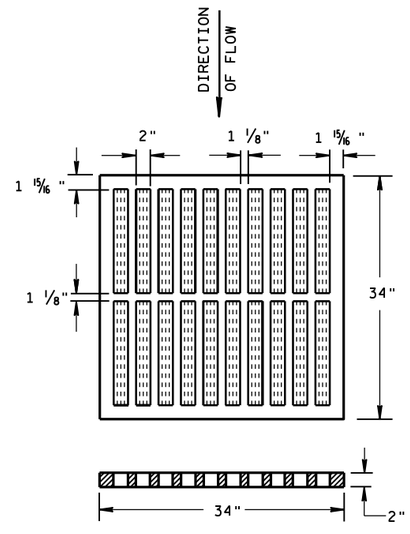
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



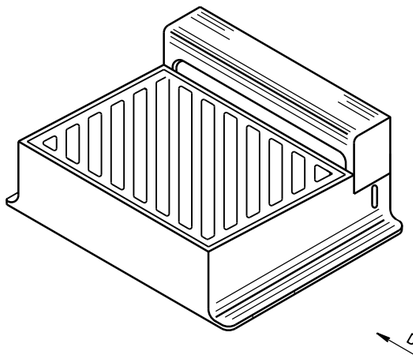
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



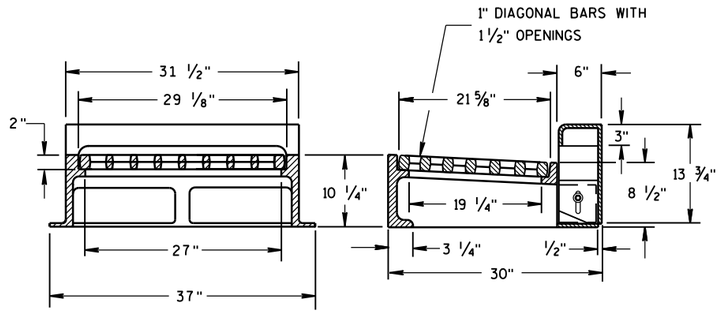
TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIRECTION OF FLOW

DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

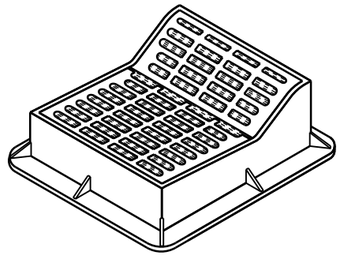
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

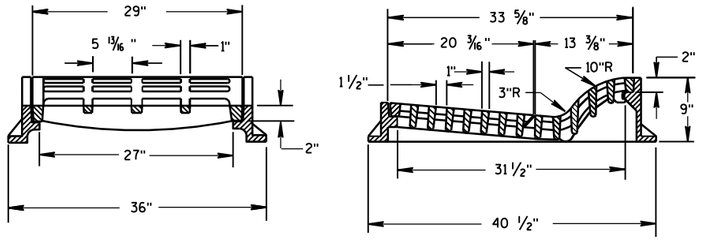
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

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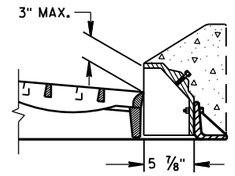
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

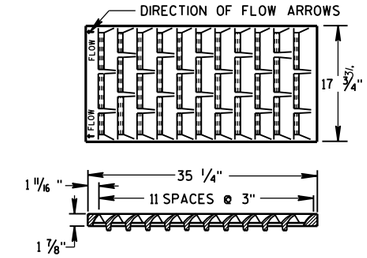
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

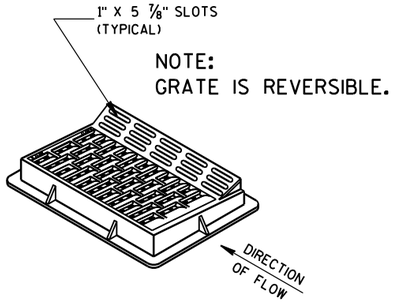
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

GENERAL NOTES

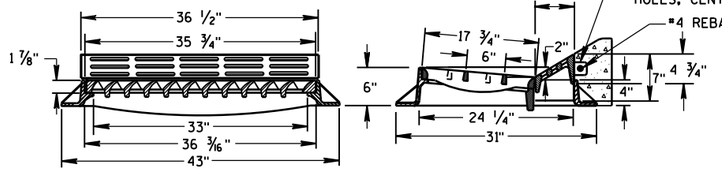
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.





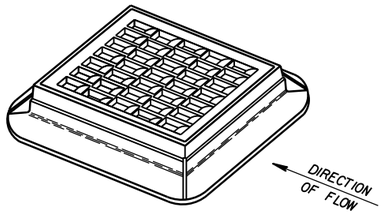
NOTE:
GRATE IS REVERSIBLE.

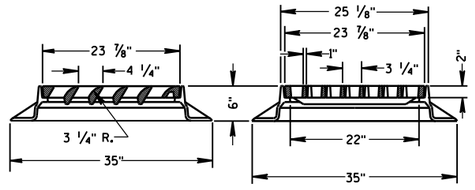


TYPE "HM"

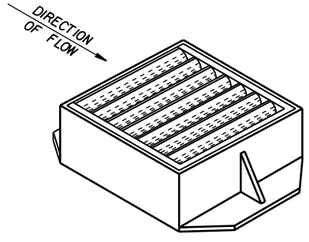
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

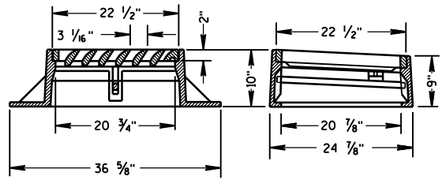
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



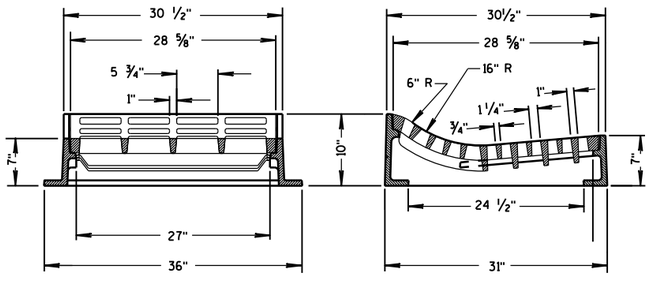


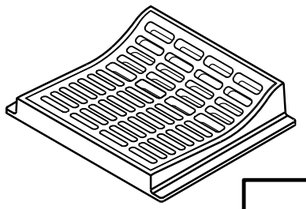
TYPE "S"





TYPE "V"





TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.

INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

577

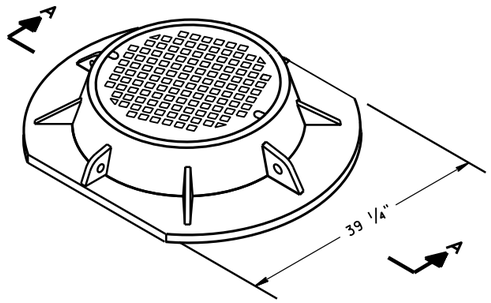
FHWA

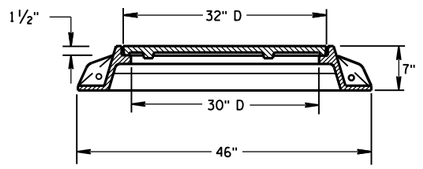
6

S.D.D. 8 A 5-19c

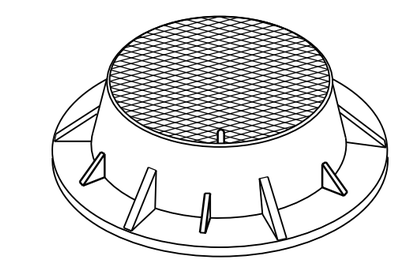
6

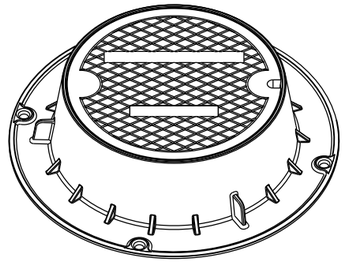
S.D.D. 8 A 5-19c

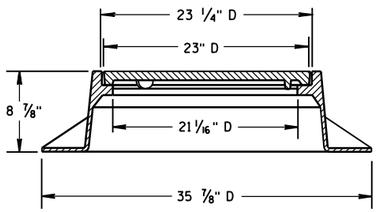


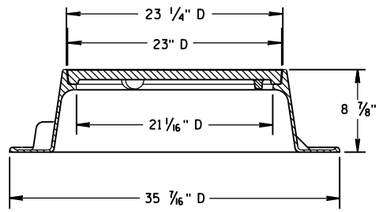


SECTION A-A
TYPE "K"









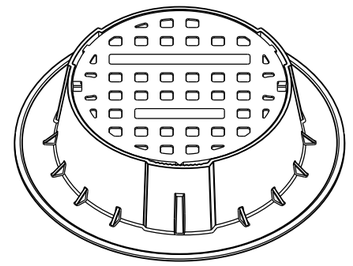
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

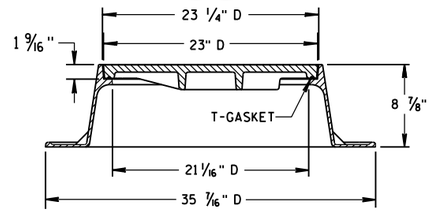
GENERAL NOTES

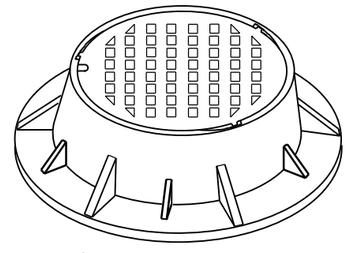
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

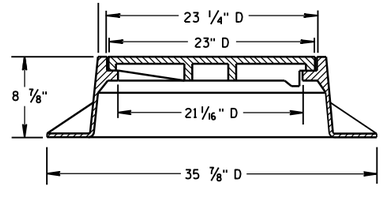
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

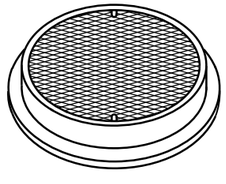


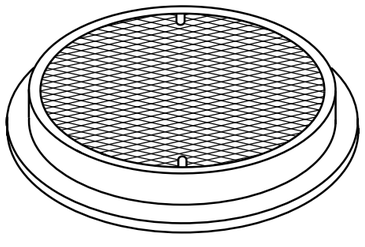


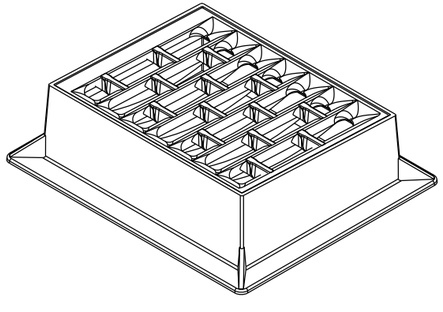


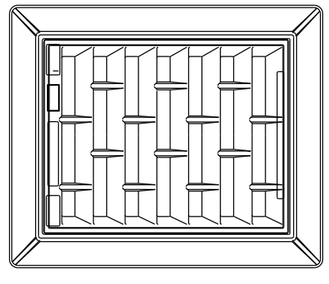


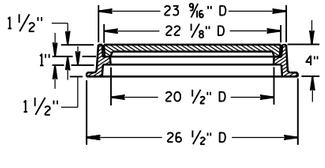
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



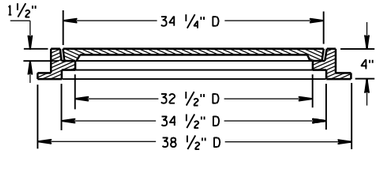




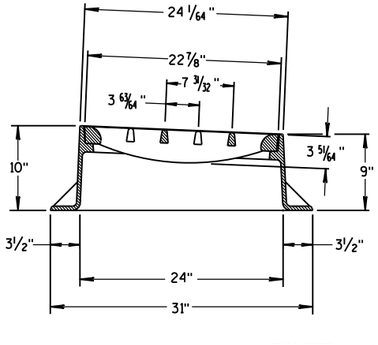


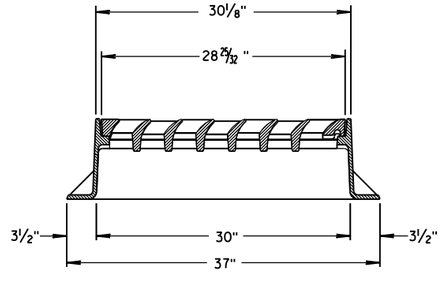


TYPE "L"



TYPE "M"





INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

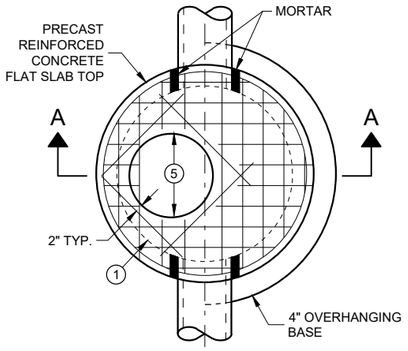
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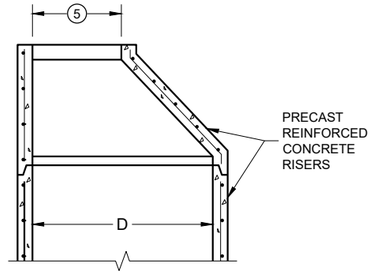
S.D.D. 8 A 5-19d

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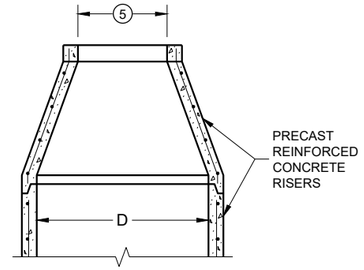
S.D.D. 8 A 5-19d



PLAN VIEW
CIRCULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42*	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES. SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

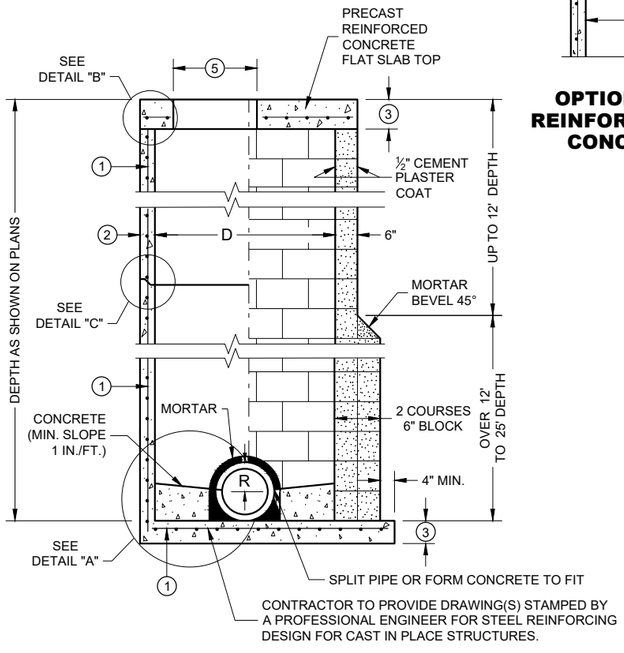
(1) FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

(4) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP.).

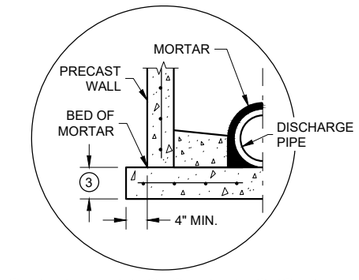
(5) SEE MANHOLE COVER OPENING MATRIX.



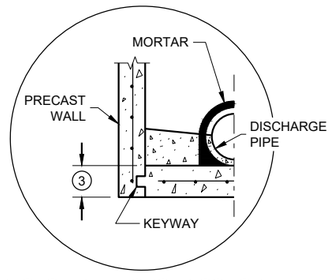
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

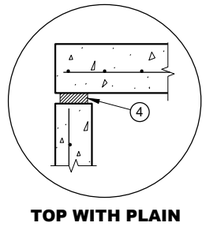


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

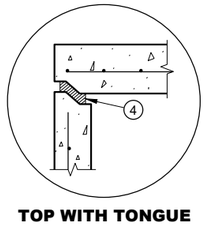


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

DETAIL "A"

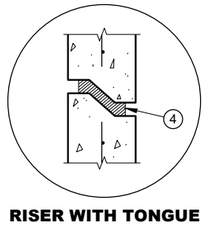


TOP WITH PLAIN END JOINT



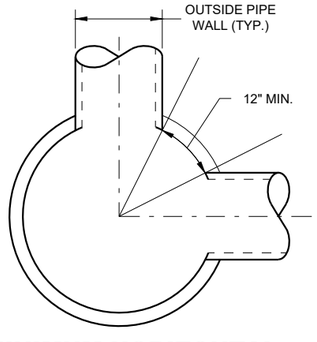
TOP WITH TONGUE AND GROOVE JOINT

DETAIL "B"



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "C"



MINIMUM HORIZONTAL PIPE SEPARATION

MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

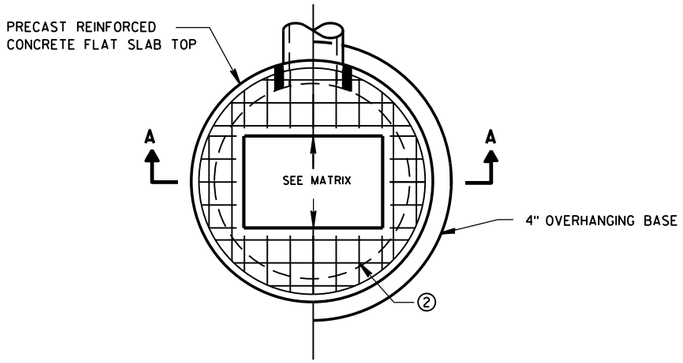
APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

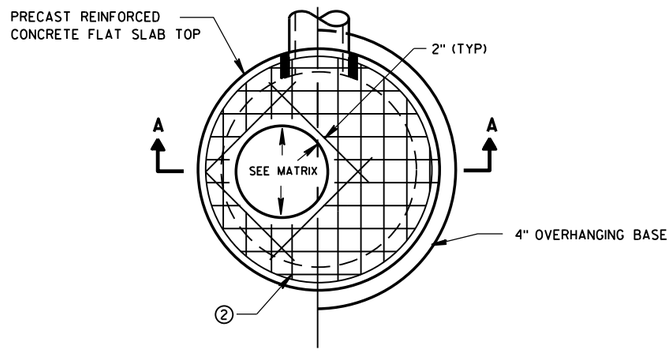
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

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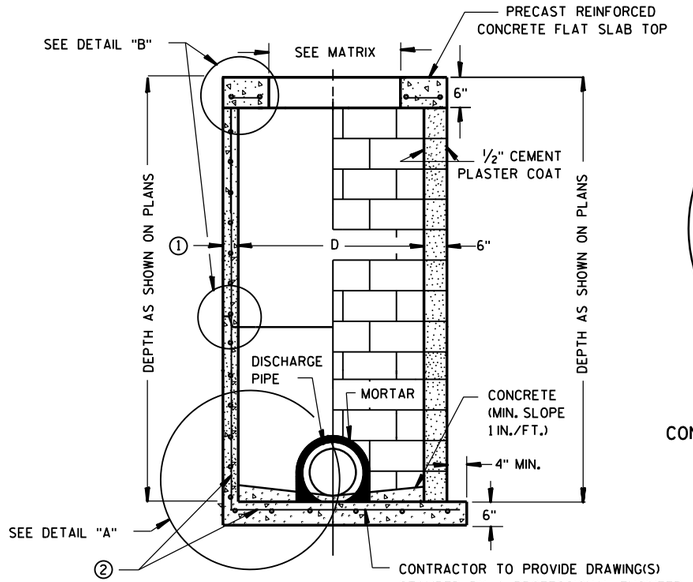
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PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

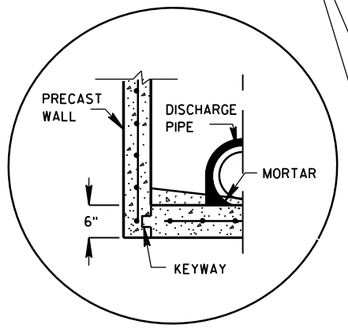


SECTION A-A

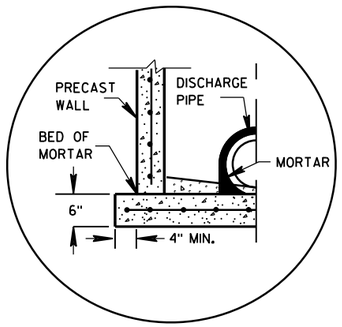
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

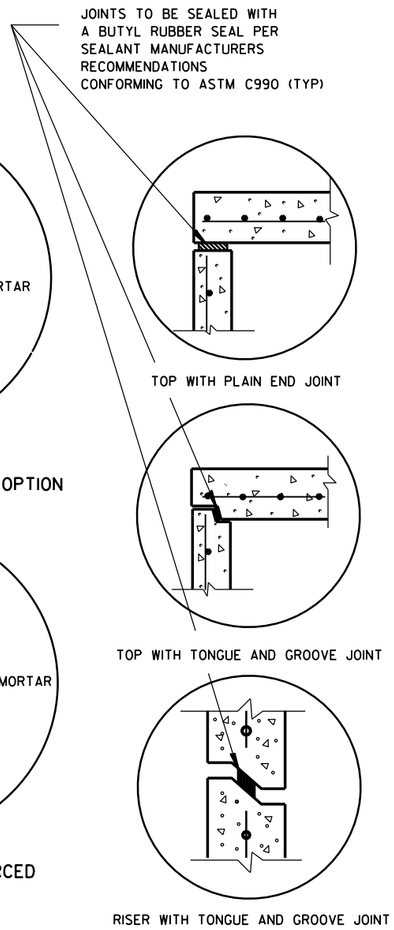


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

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BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

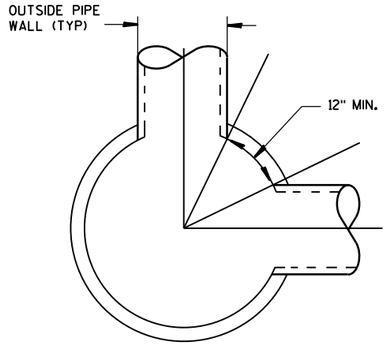
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

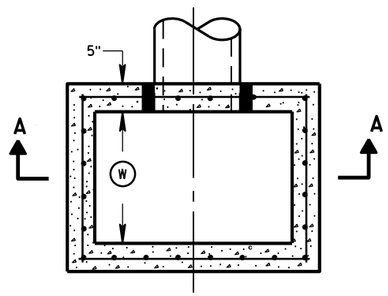
APPROVED
Sept., 2016 — /S/ Rodney Taylor
DATE — ROADWAY STANDARDS | UNIT SUPERVI ENT
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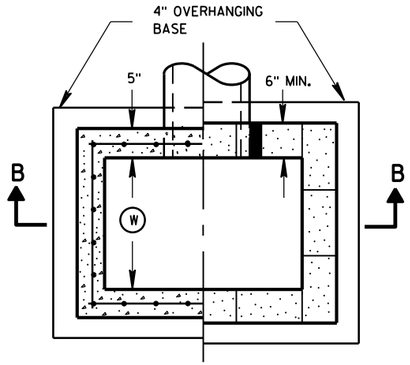
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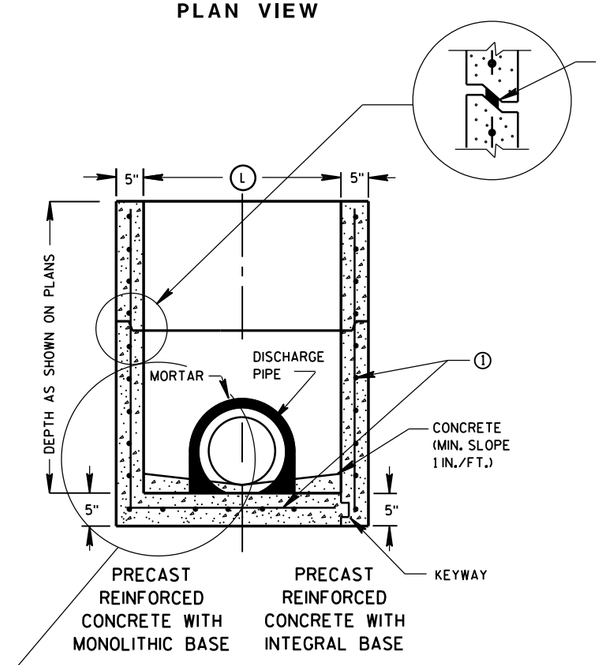
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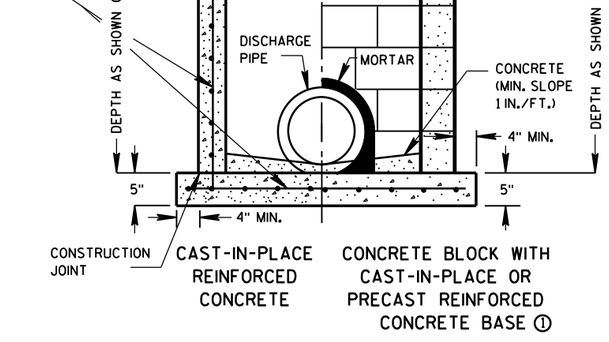
PLAN VIEW



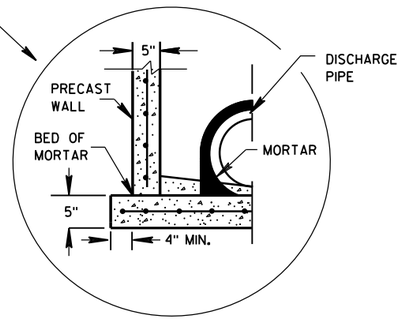
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

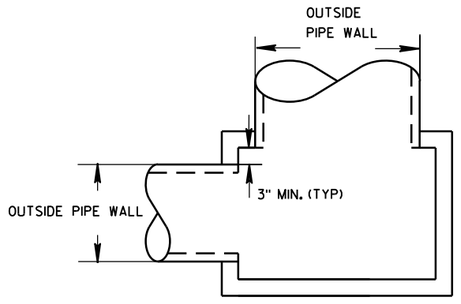
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

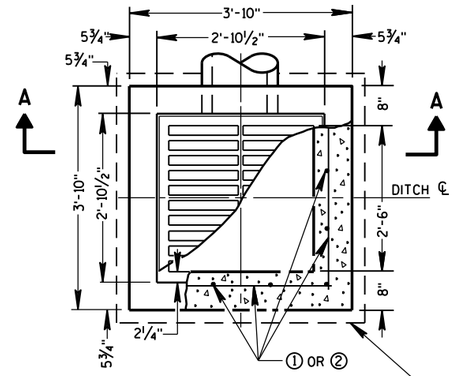
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor
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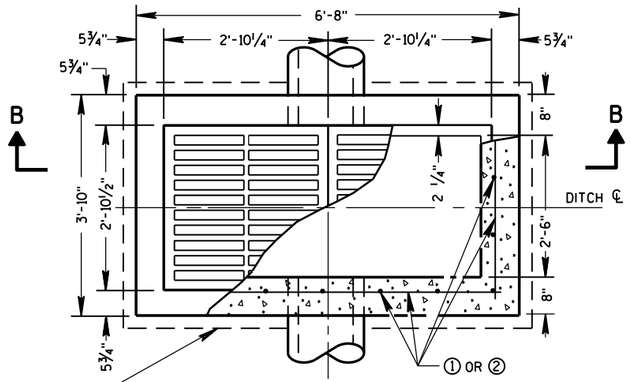
S.D.D. 8 C 7-2

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S.D.D. 8 C 7-2

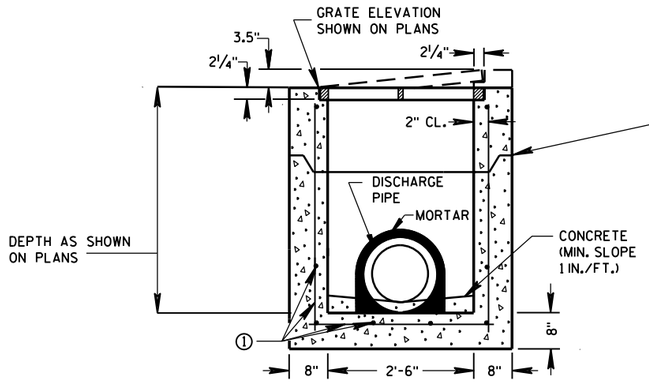


PLAN VIEW

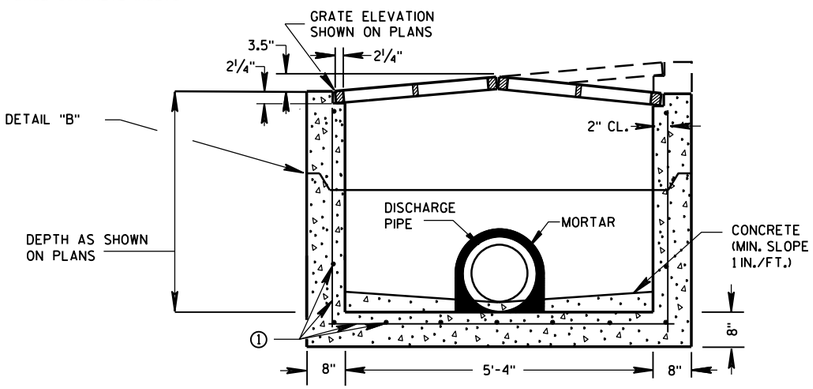


PLAN VIEW

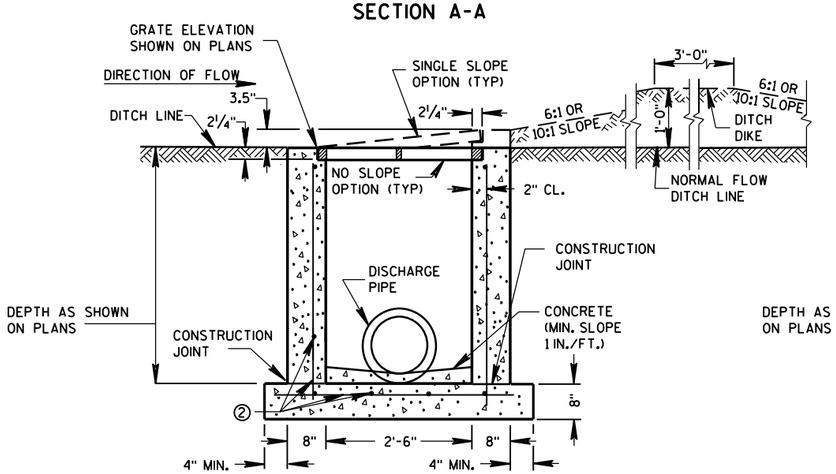
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



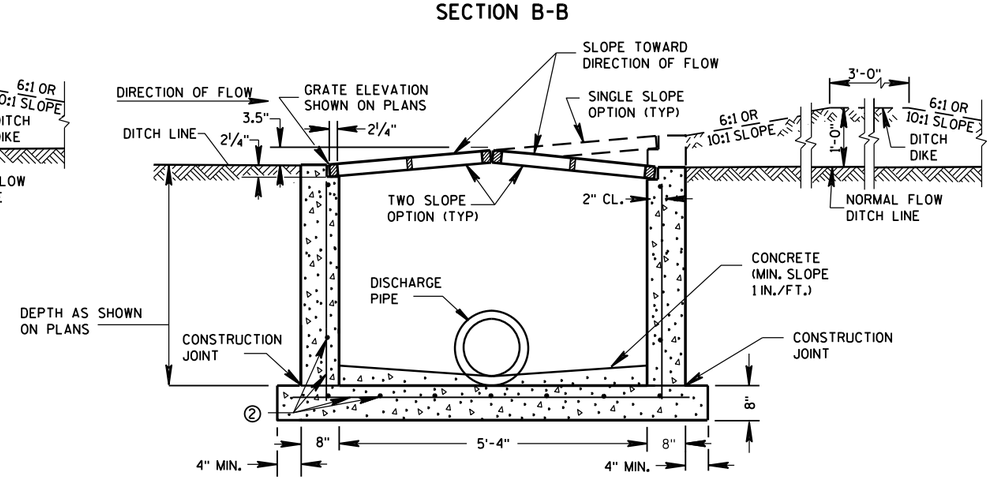
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

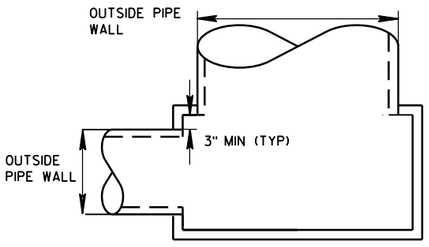
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

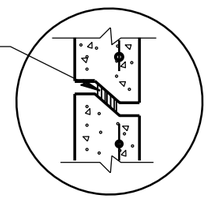
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



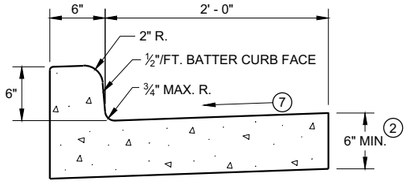
DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

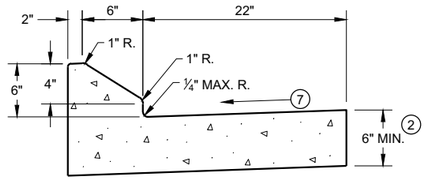
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

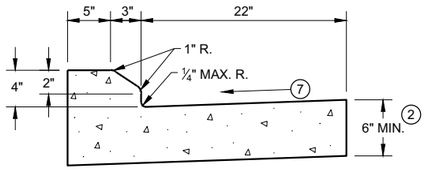
6
S.D.D. 8 C 8-2



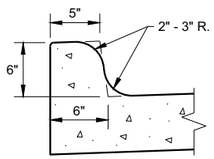
TYPES A (1) & D



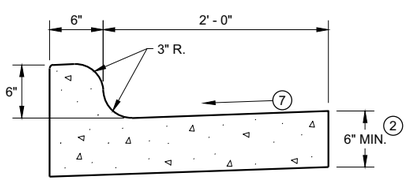
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

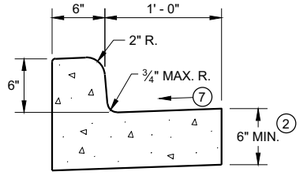


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



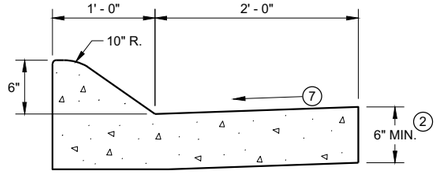
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"



TYPES A (1) & D

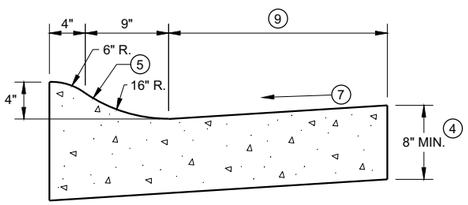
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

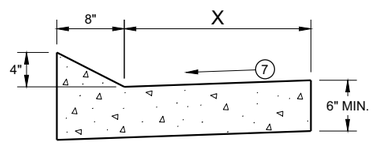
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

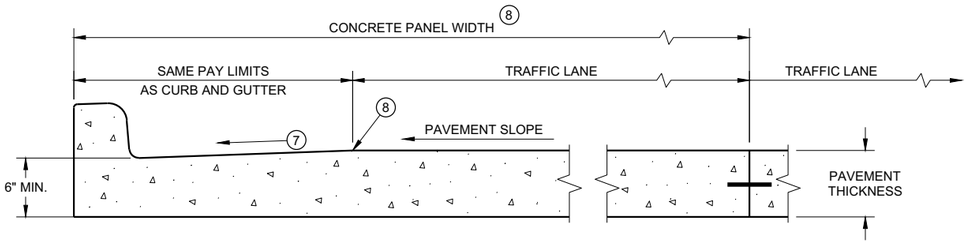


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

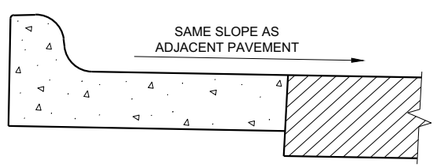
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT *
WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

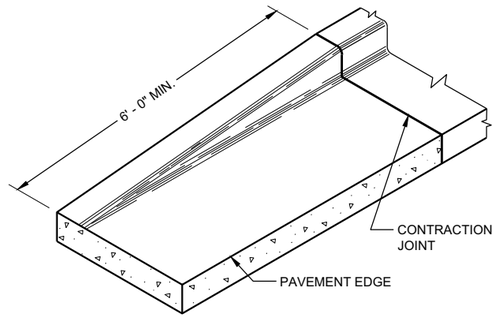
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

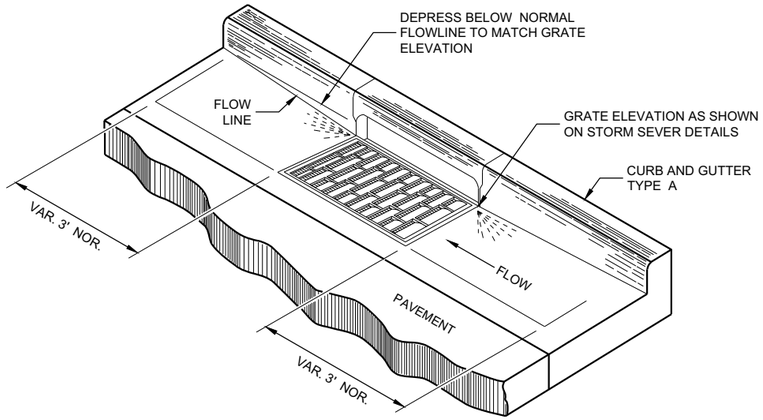
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D01 - 22a
SDD 08D01 - 22a



END SECTIONCURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS
(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

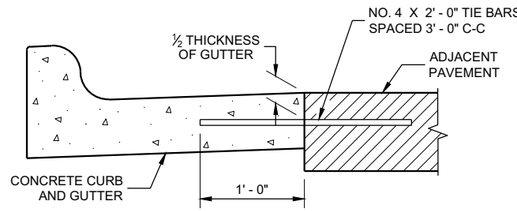
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

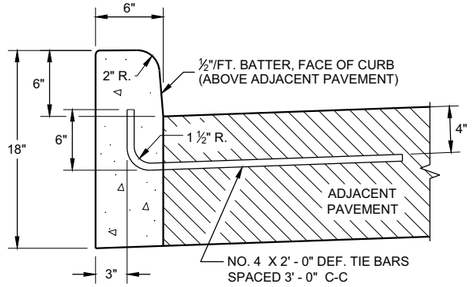
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

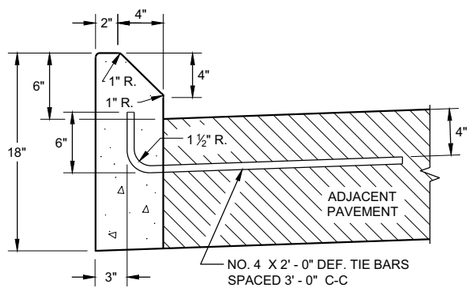
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

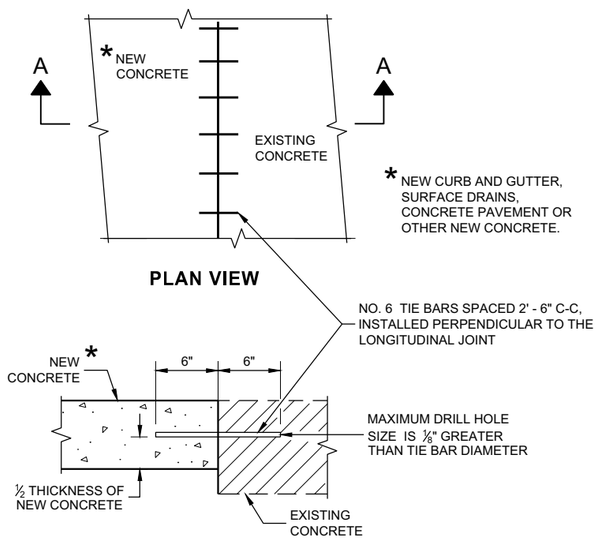


TYPES A (1) & D



TYPES G (1) & J

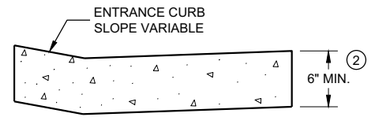
CONCRETE CURB



PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (9)
(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

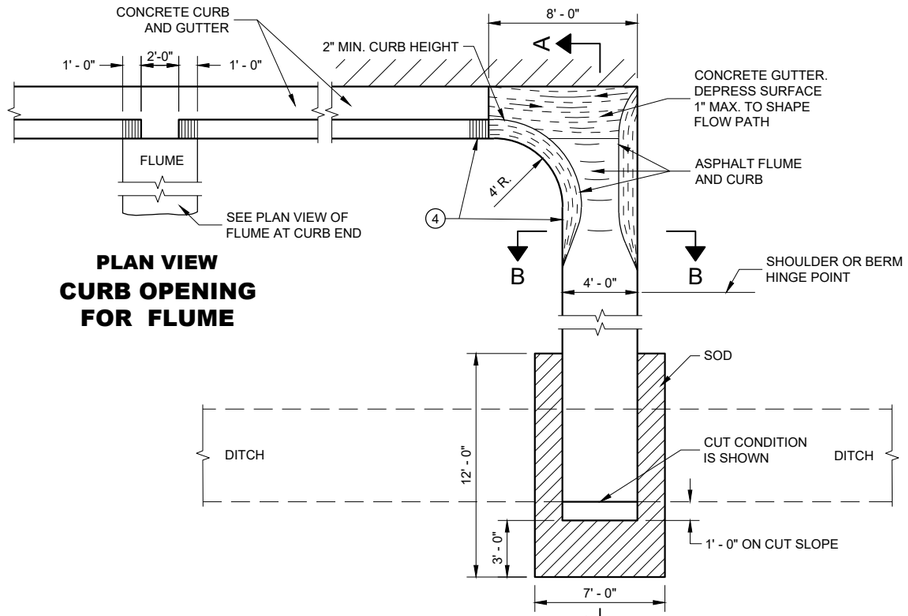
APPROVED
February 2021 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

6

SDD08D01 - 22b

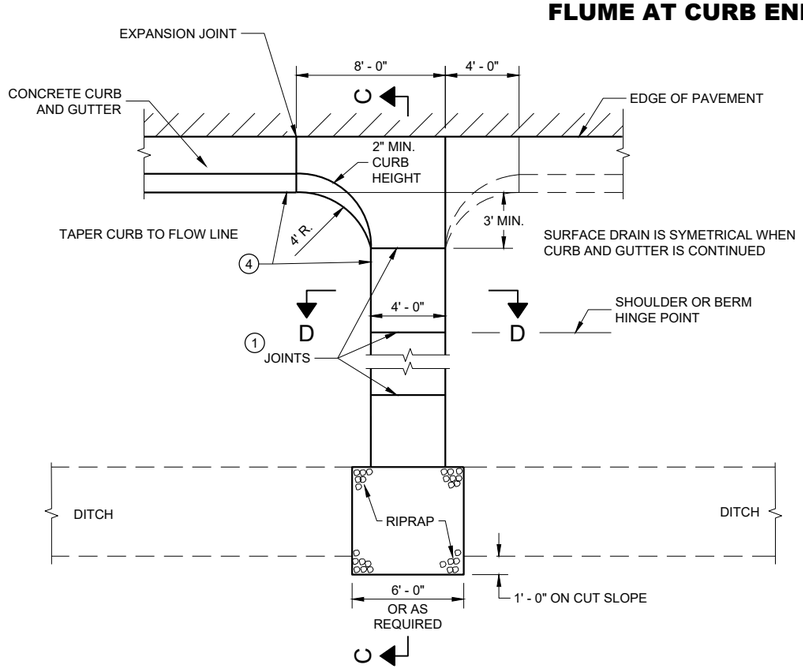
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



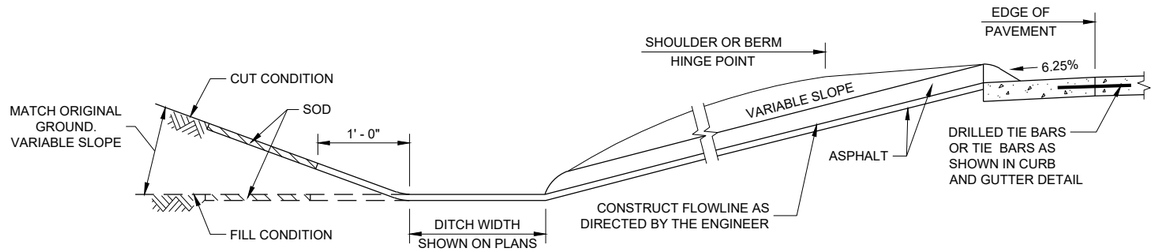
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

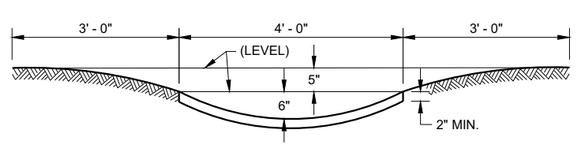
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

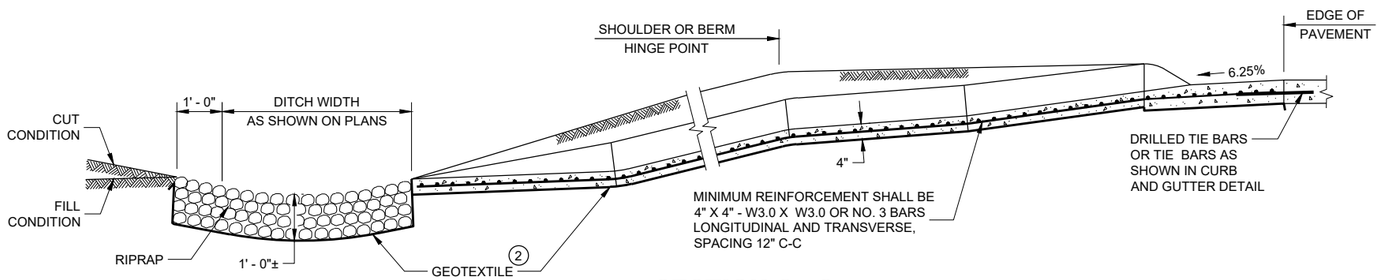
1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. ANGLE OF FLUME IN RELATION TO BACK OF CURB TO BE CONSTRUCTED PER THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER. ANGLE OF FLUME MAY BE OTHER THAN 90 DEGREES AS SHOWN.



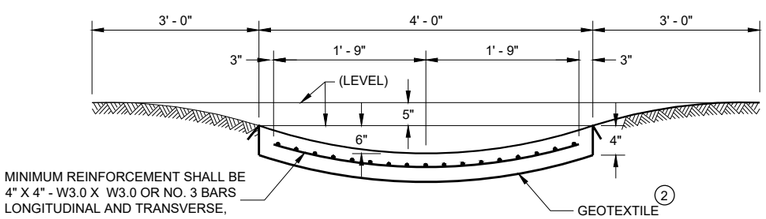
SECTION A - A



SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

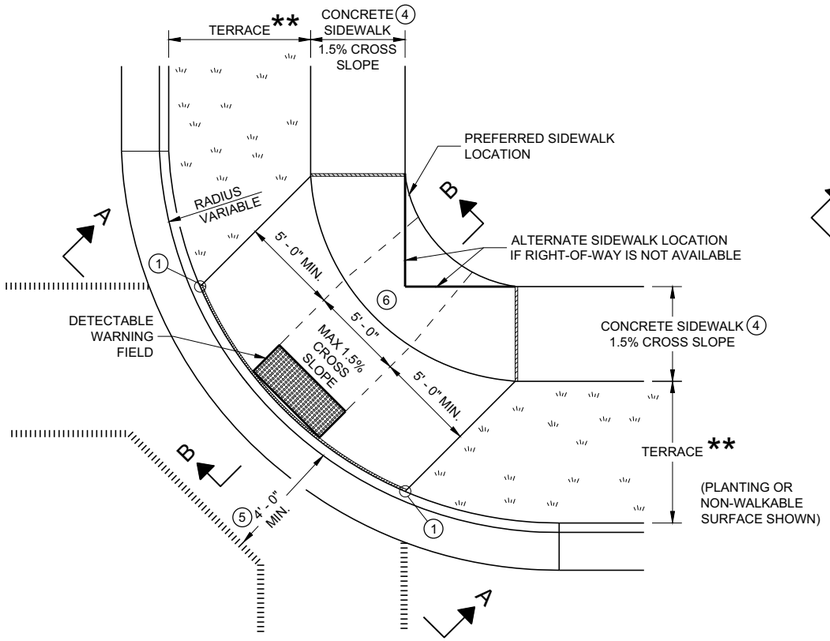
FHWA

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SDD 08D04 - 06

6

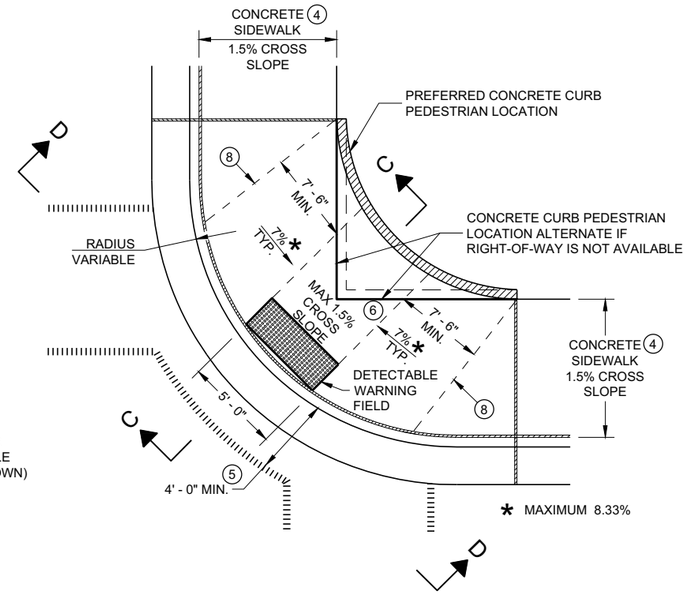
SDD 08D04 - 06



PLAN VIEW

CURB RAMP TYPE 1

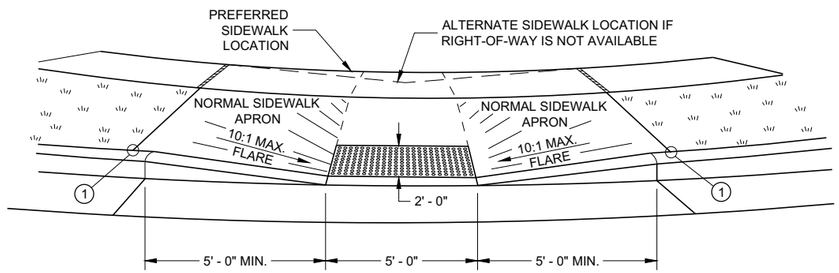
(CENTER OF CORNER RADIUS)



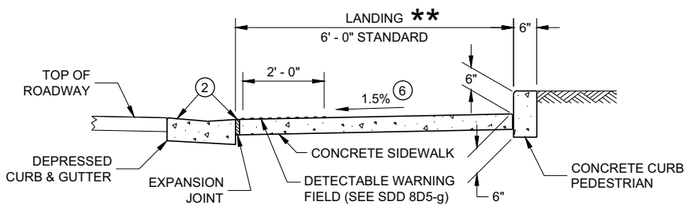
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

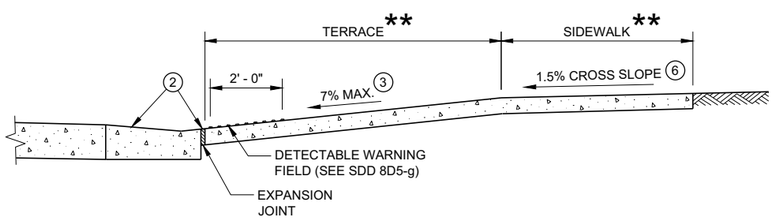


VIEW A - A FOR TYPE 1

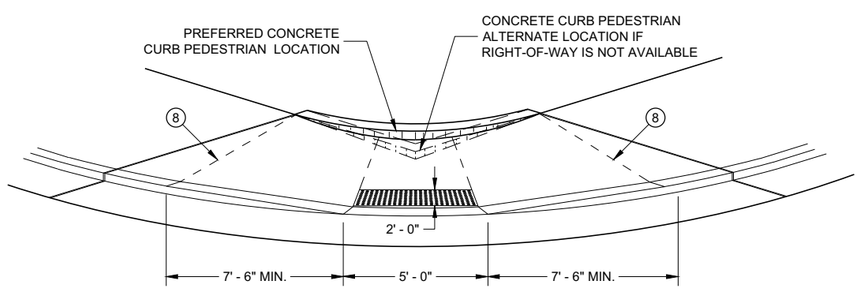


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

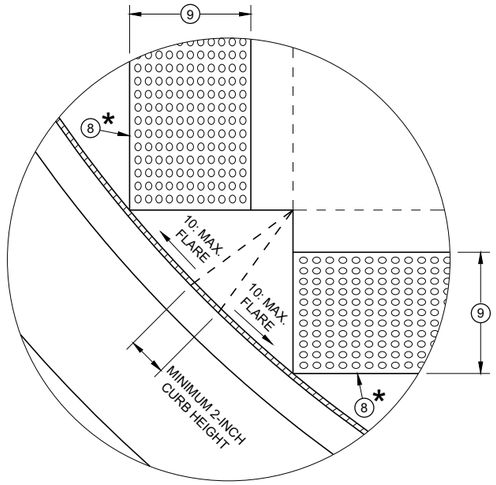
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 1 AND 1-A

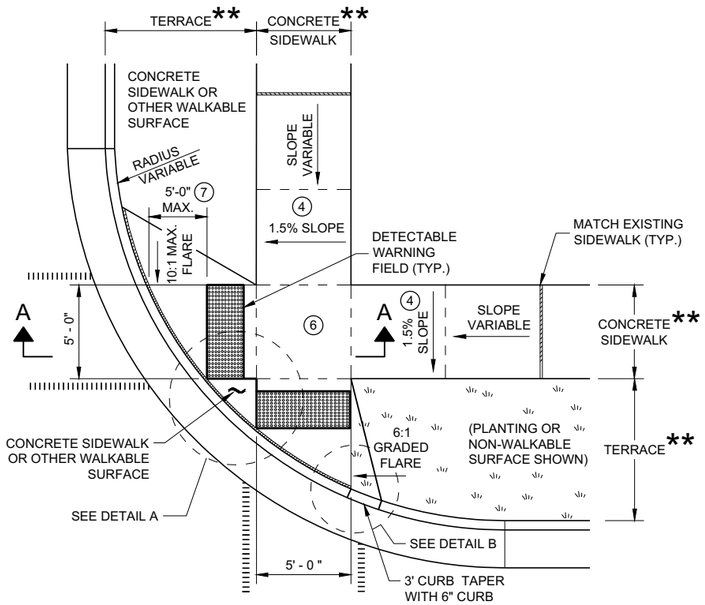
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

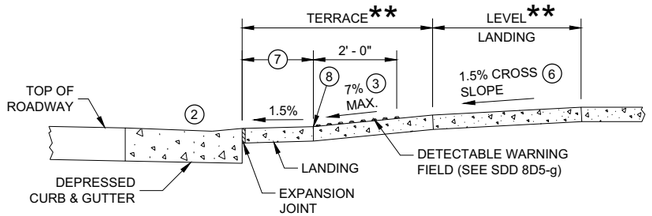
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

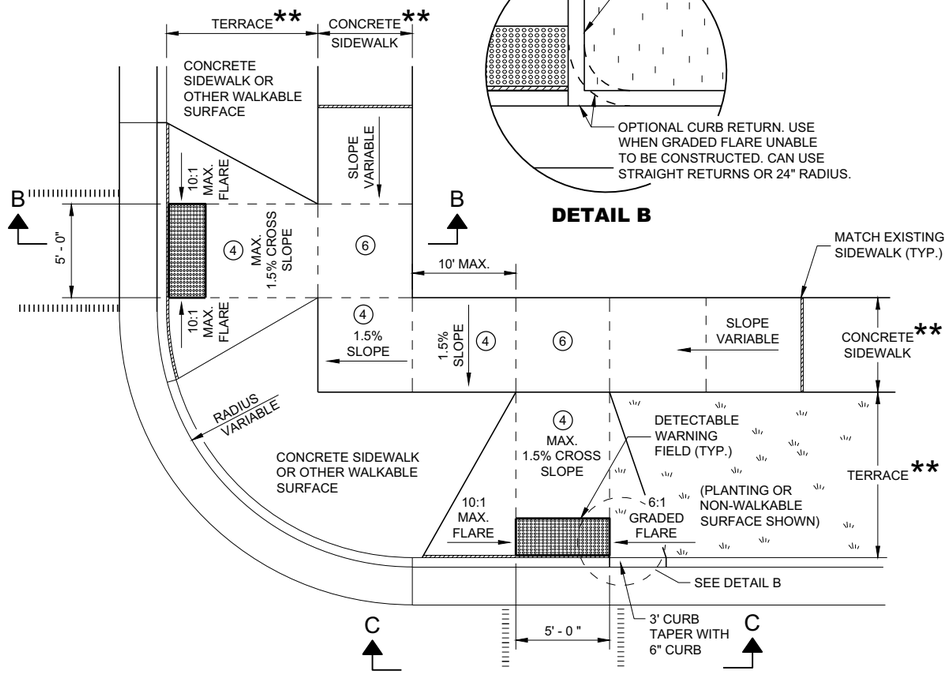
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



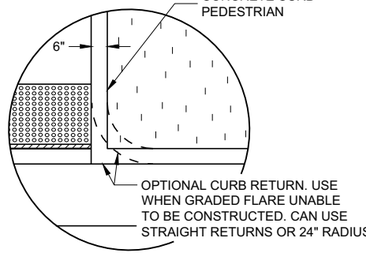
SECTION A - A FOR TYPE 2

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

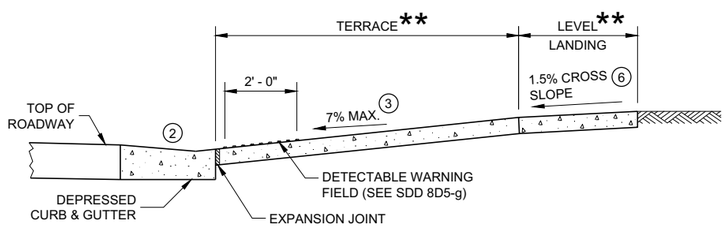
** WIDTH SHOWN ELSEWHERE IN THE PLANS



PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



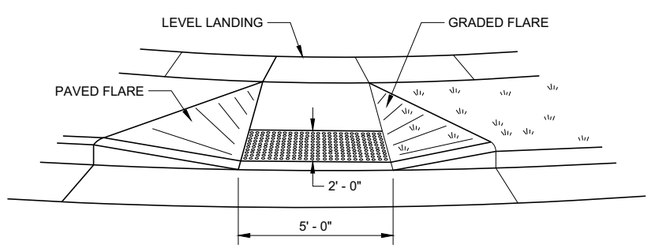
DETAIL B



SECTION B - B FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



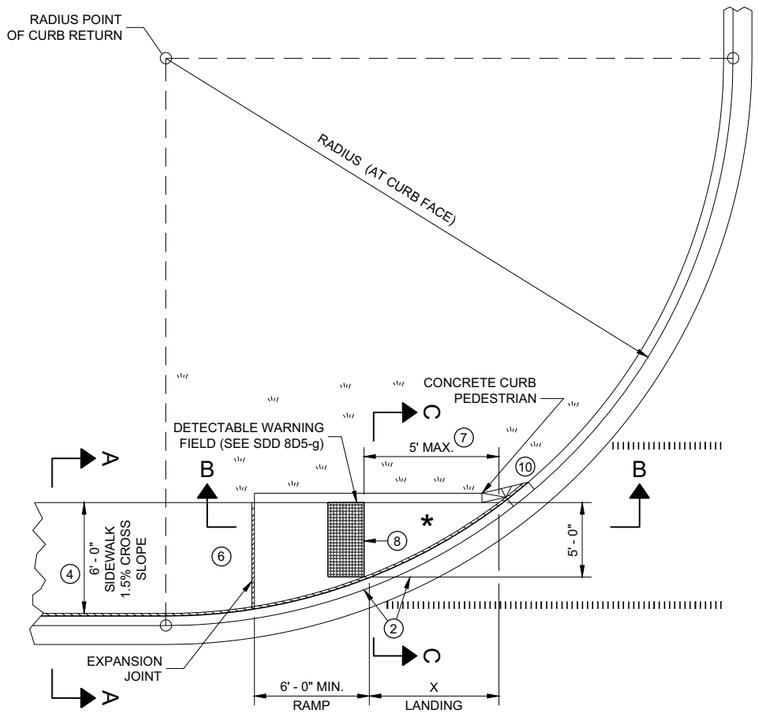
VIEW C - C FOR TYPE 3

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
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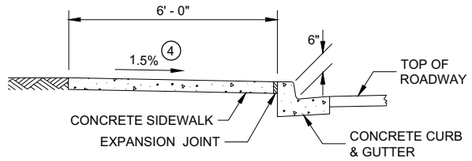


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

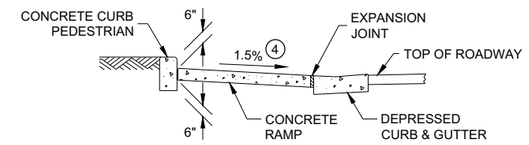
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

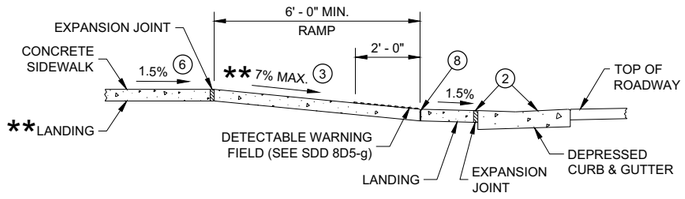
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



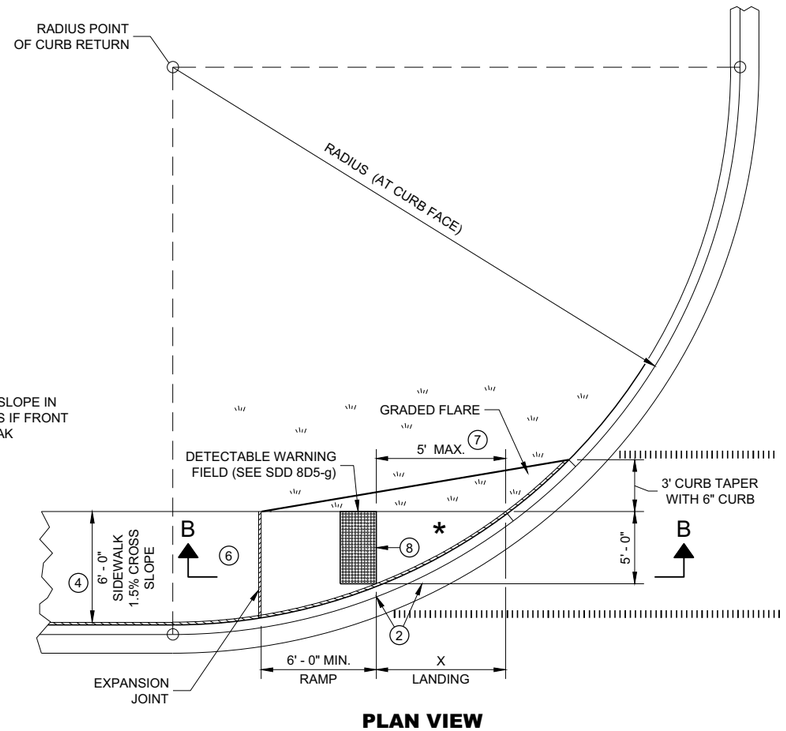
SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

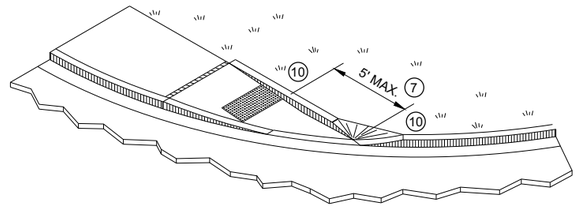
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

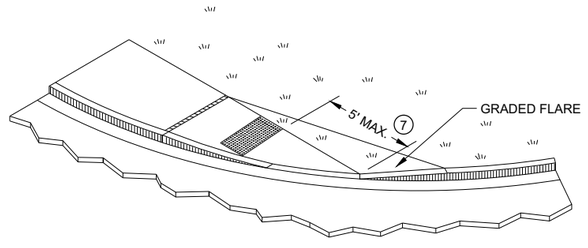


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



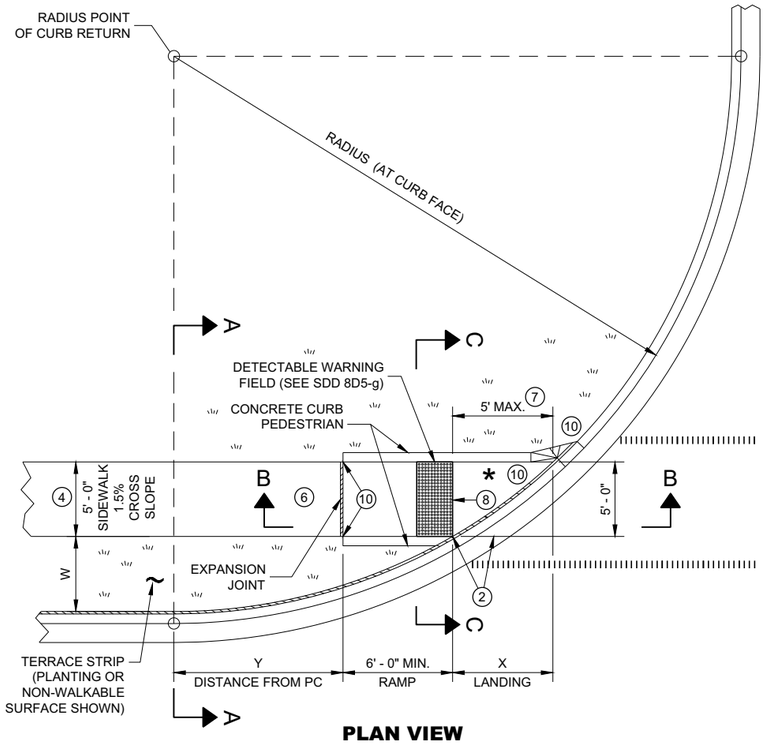
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

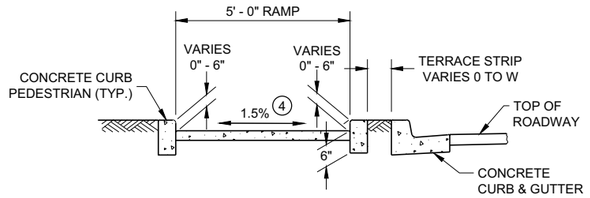
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

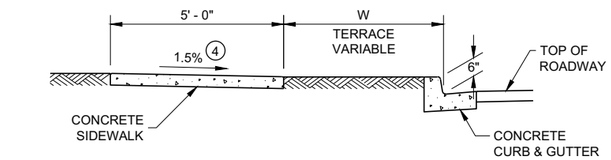
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

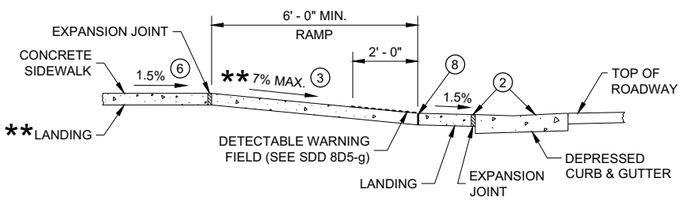
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



SECTION C - C FOR TYPE 4B



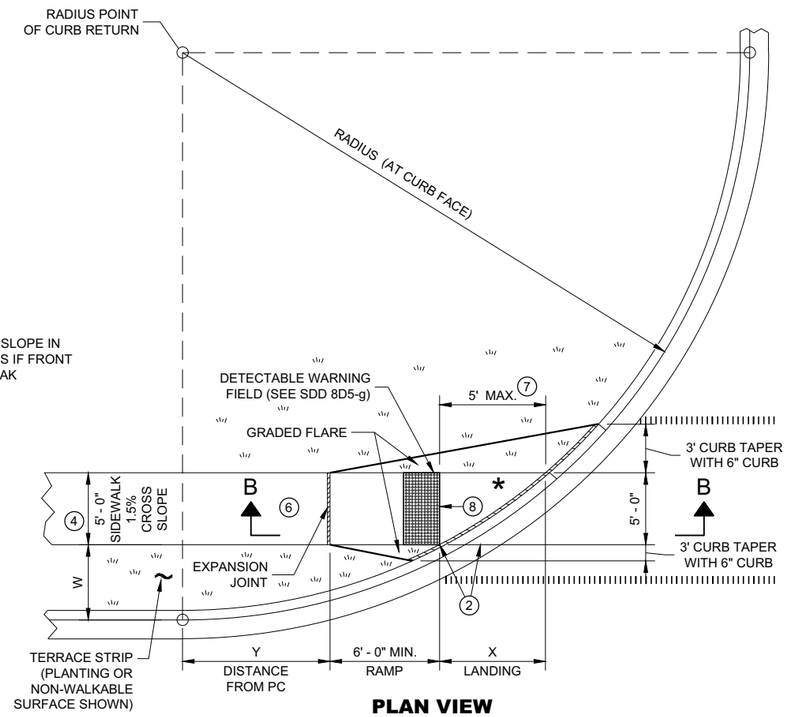
SECTION A - A FOR TYPE 4B



SECTION B - B FOR TYPE 4B AND TYPE 4B1

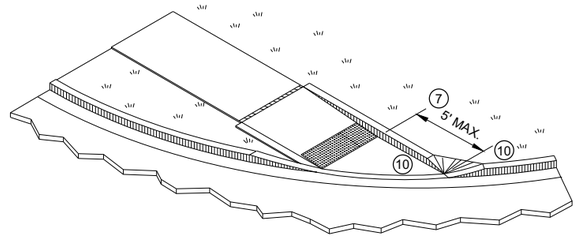
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

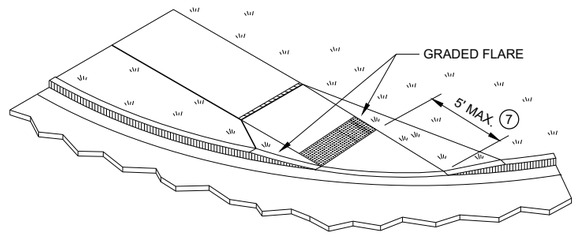


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



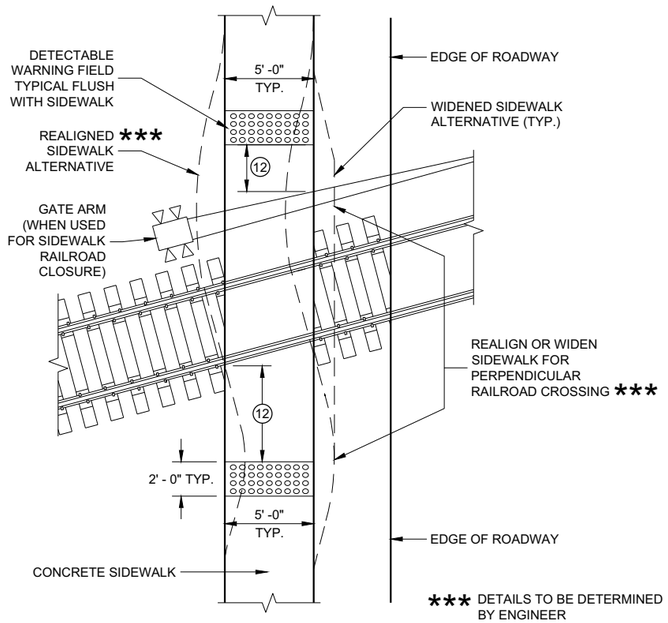
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

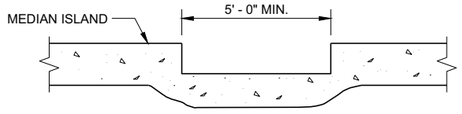
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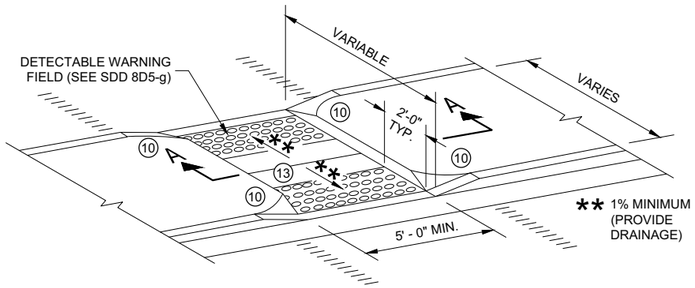


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

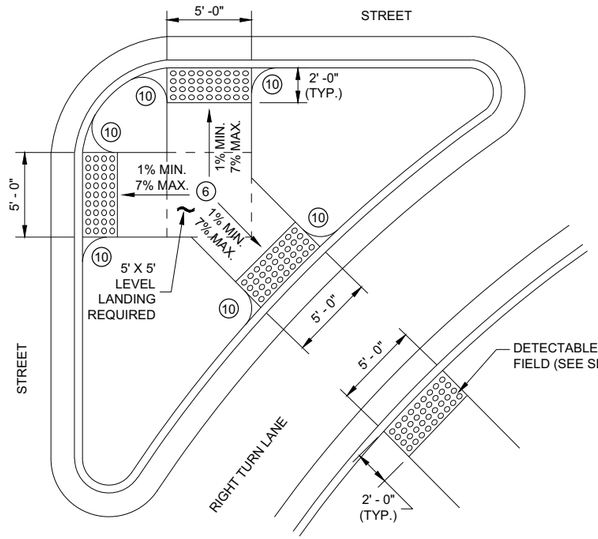
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

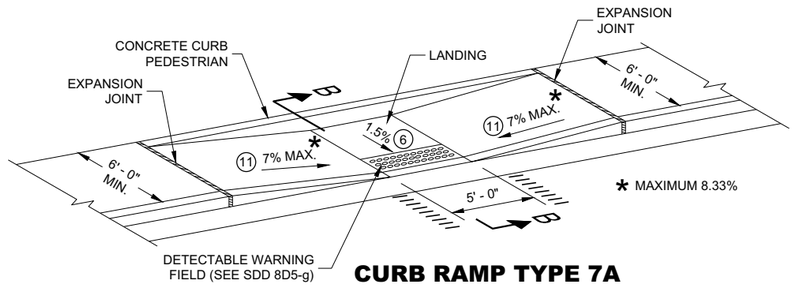
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

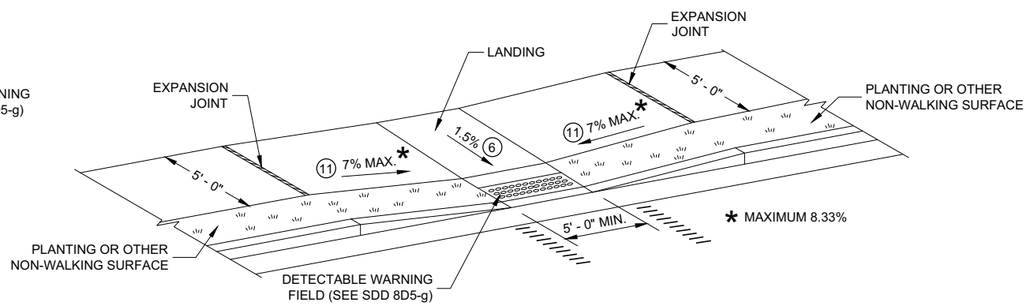
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

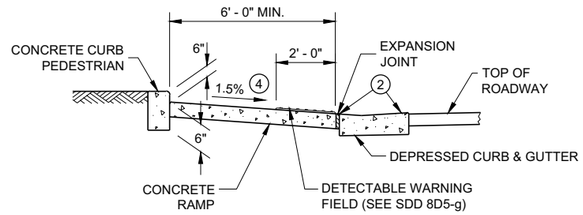
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.



SECTION B - B FOR TYPE 7A

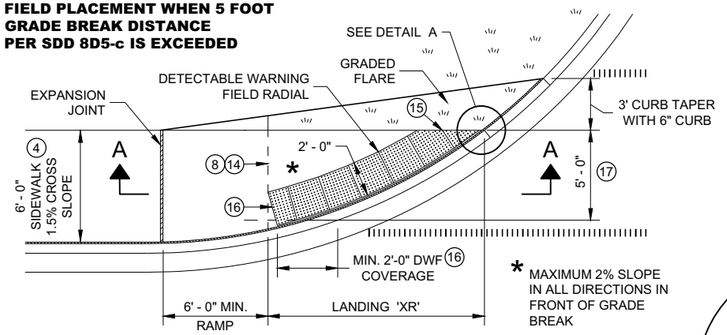
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20e

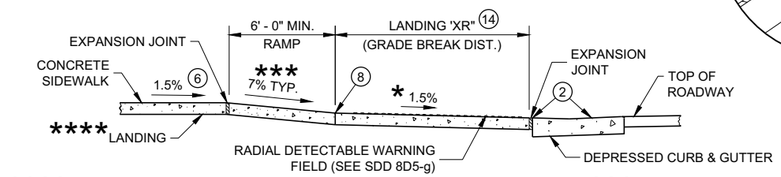
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

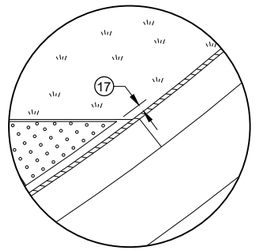
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1



DETAIL A

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

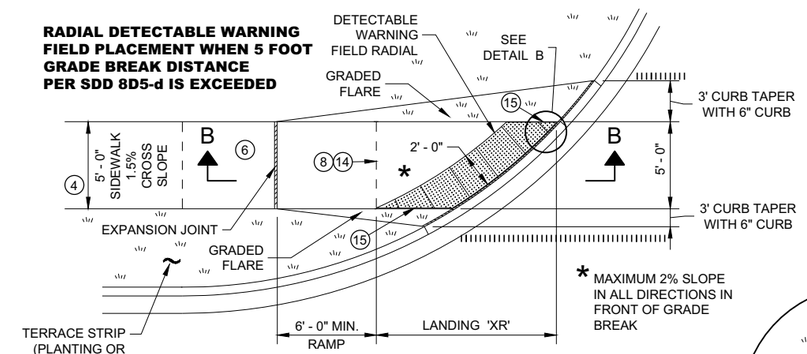
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 3 INCH CONCRETE BORDER WITH IS ALLOWABLE IN FROM OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

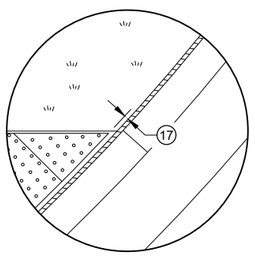
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



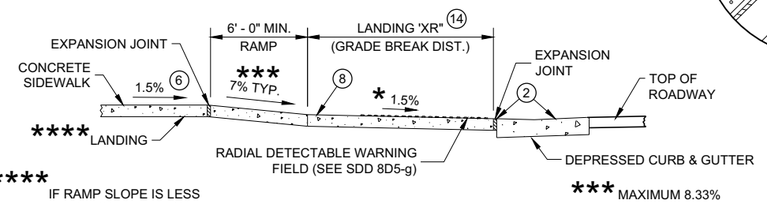
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

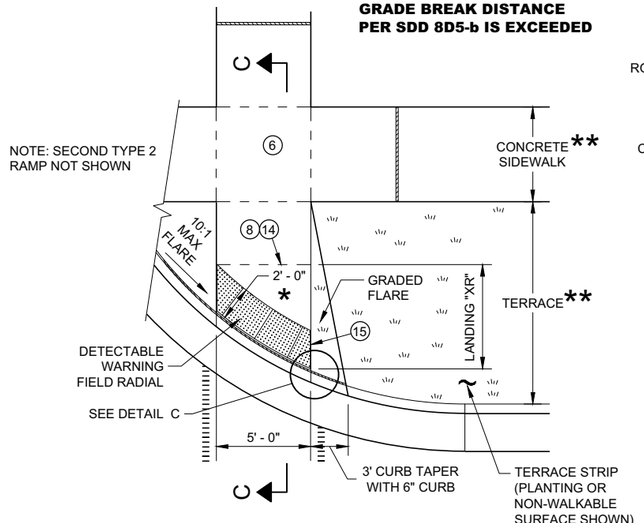


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

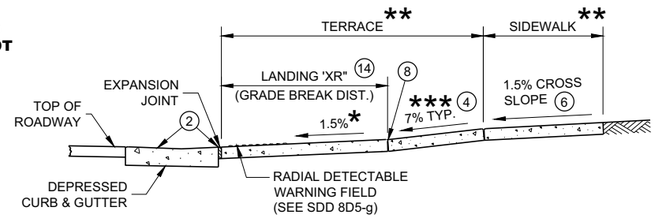


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

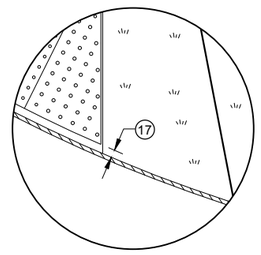


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

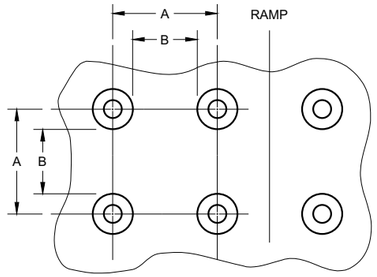
591

SDD 08D05 - 20f

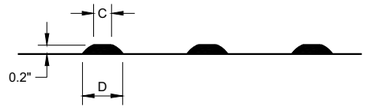
SDD 08D05 - 20f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

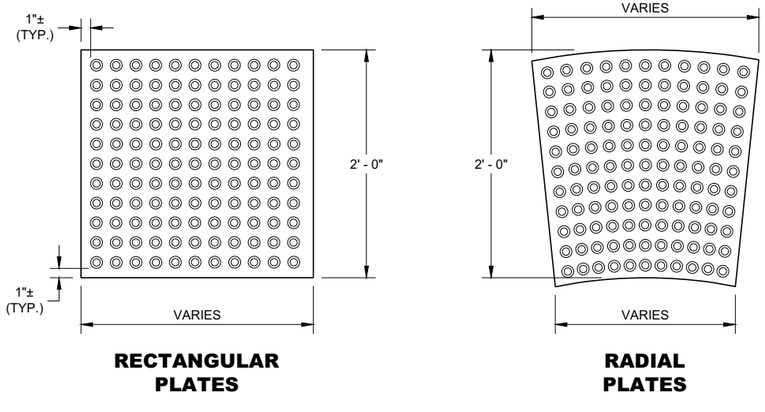


PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

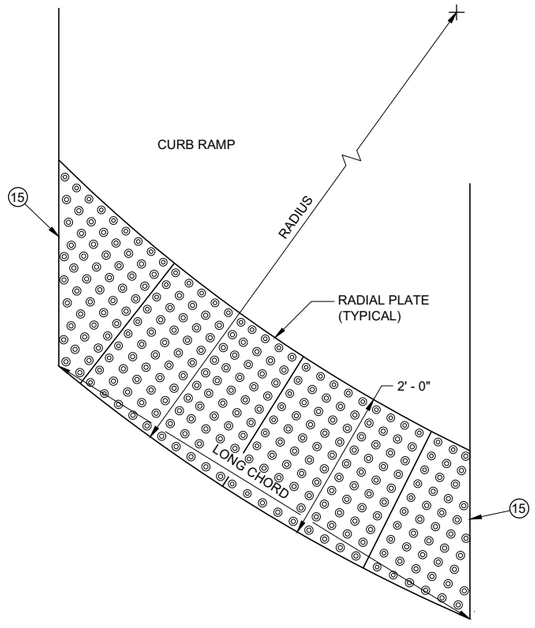
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

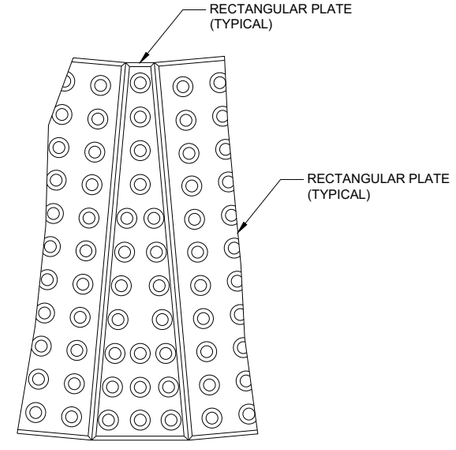
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



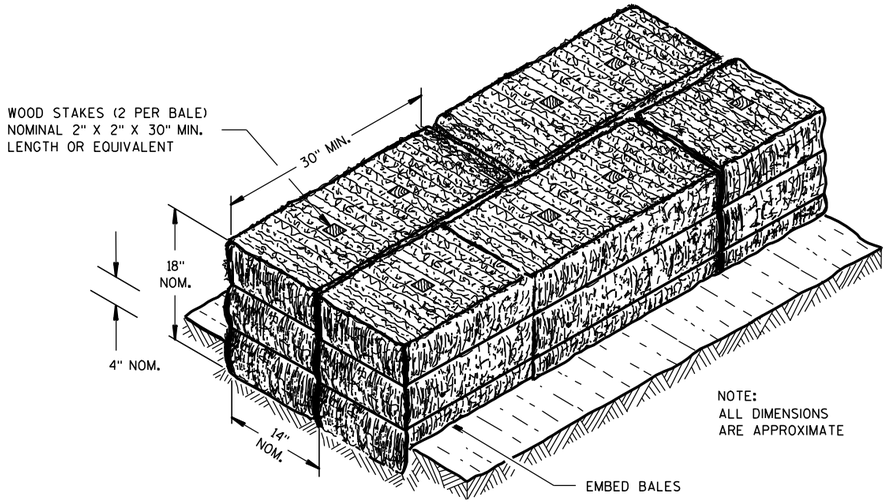
PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

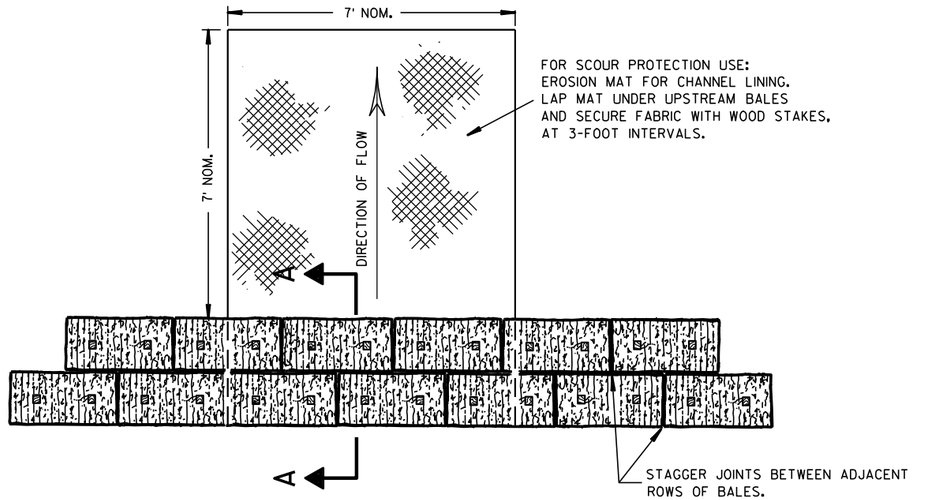
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

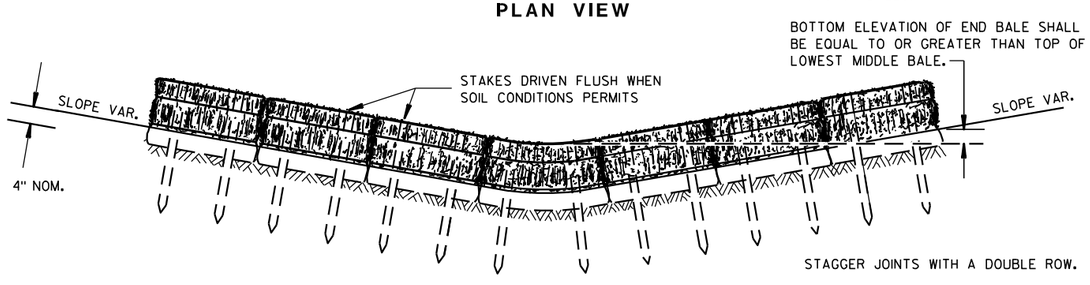
FHWA



SECTION A-A



PLAN VIEW



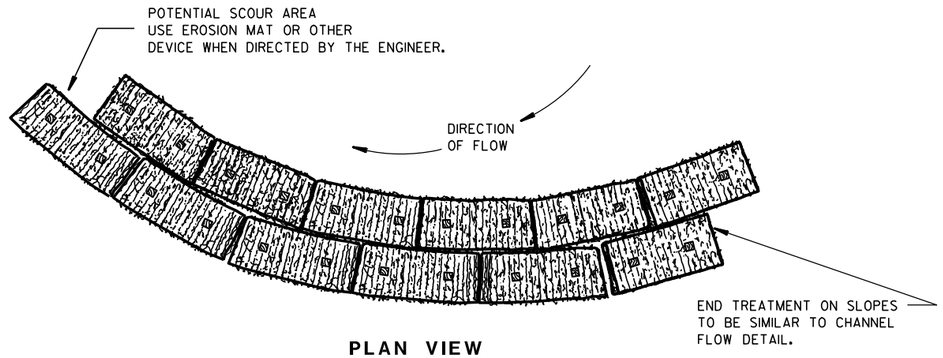
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

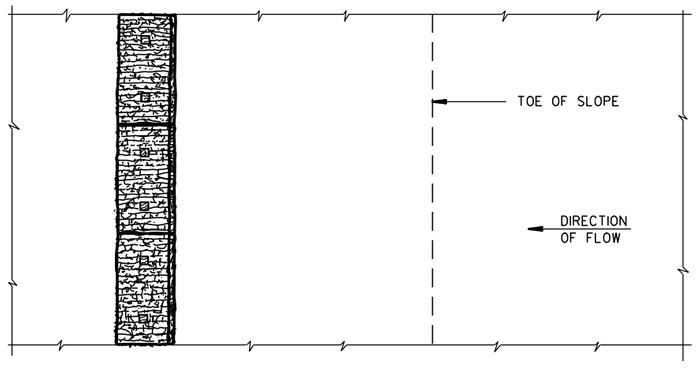
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

① TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

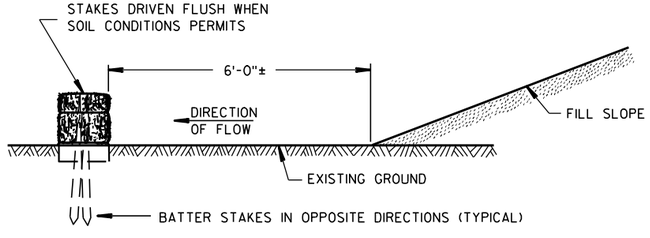


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/04/02 — DATE
/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

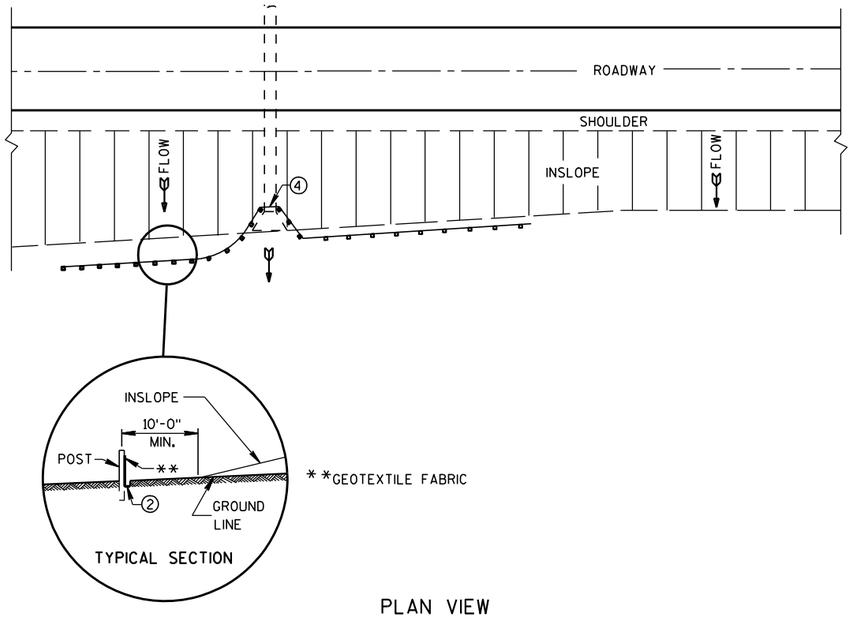
593

6

S.D.D. 8 E 8-3

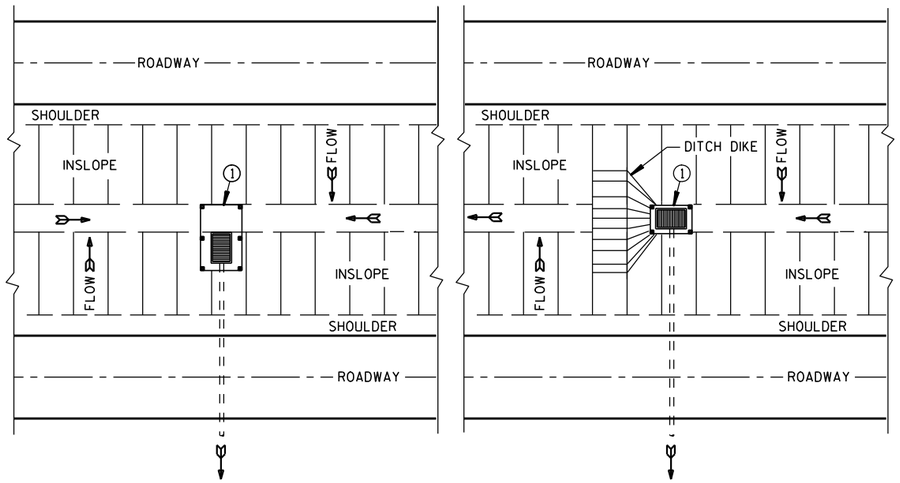
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



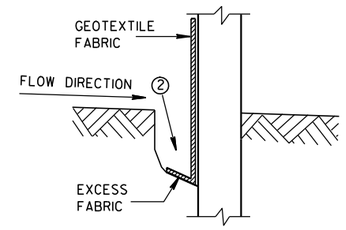
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

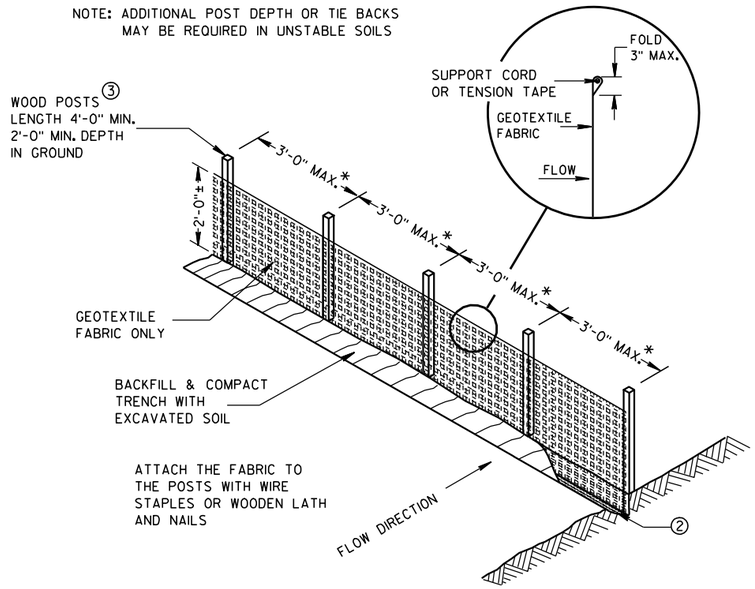
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

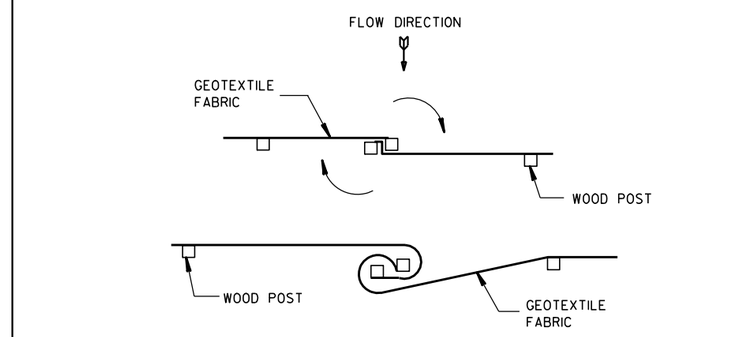
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



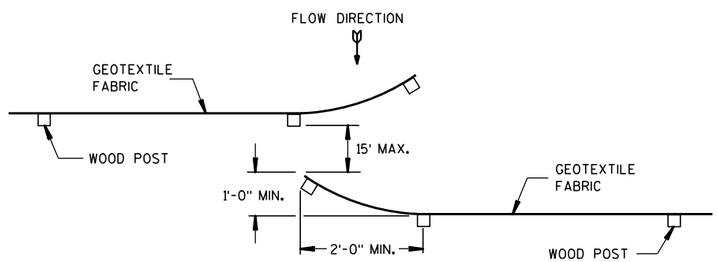
TRENCH DETAIL



SILT FENCE

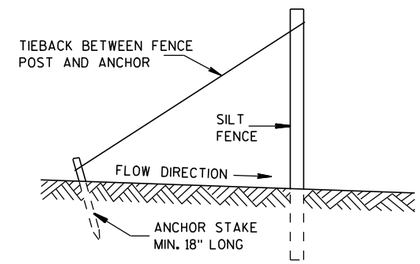


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

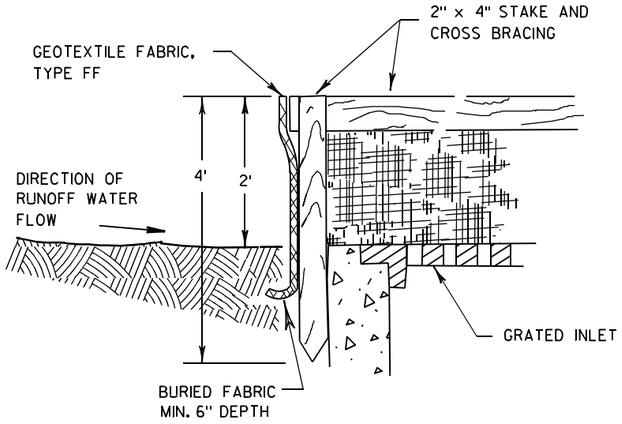
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

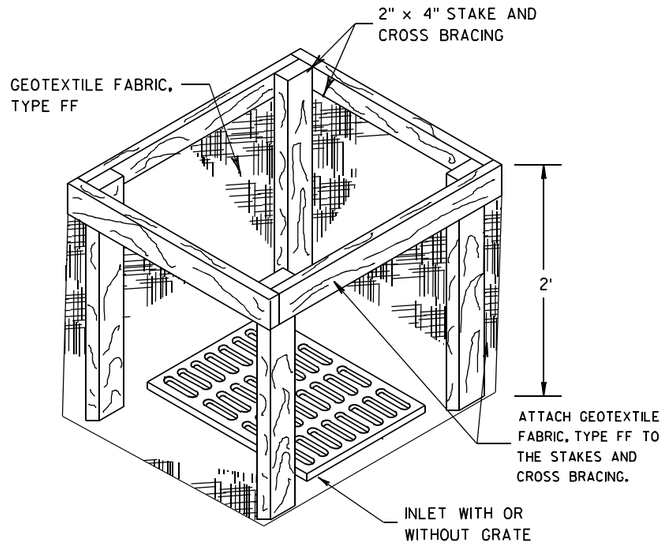
6

S.D.D. 8 E 9-6

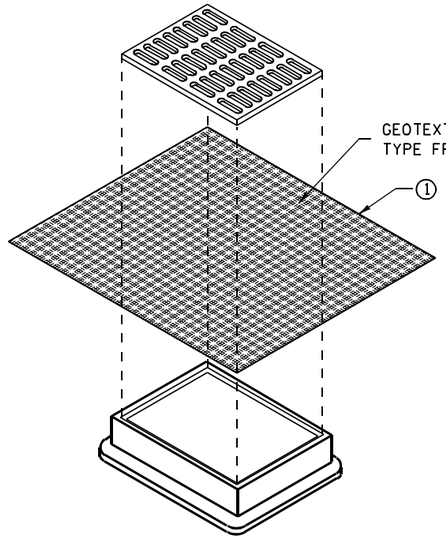
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S.D.D. 8 E 9-6



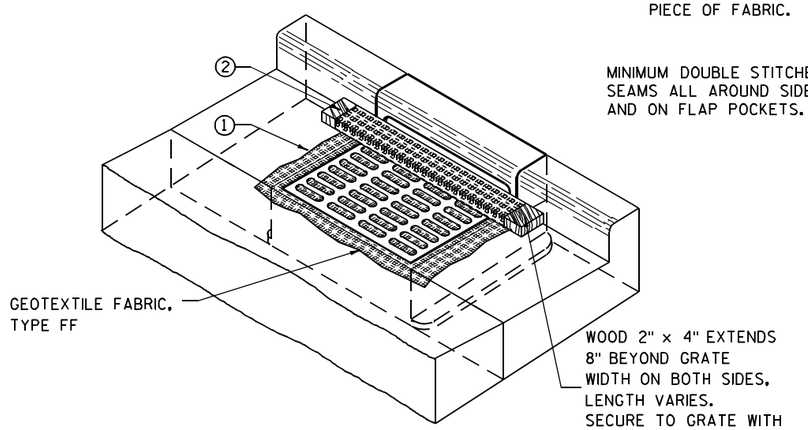


INLET PROTECTION, TYPE A

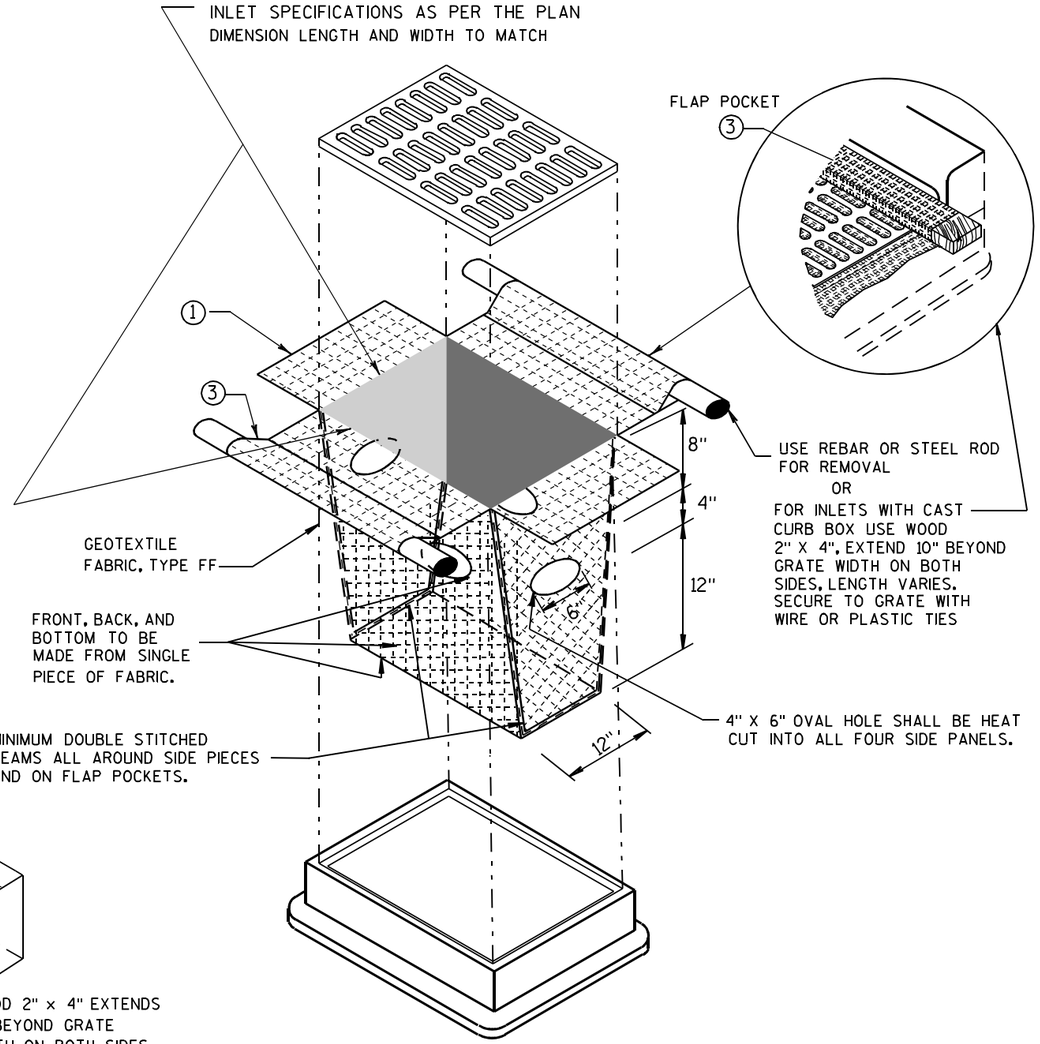


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

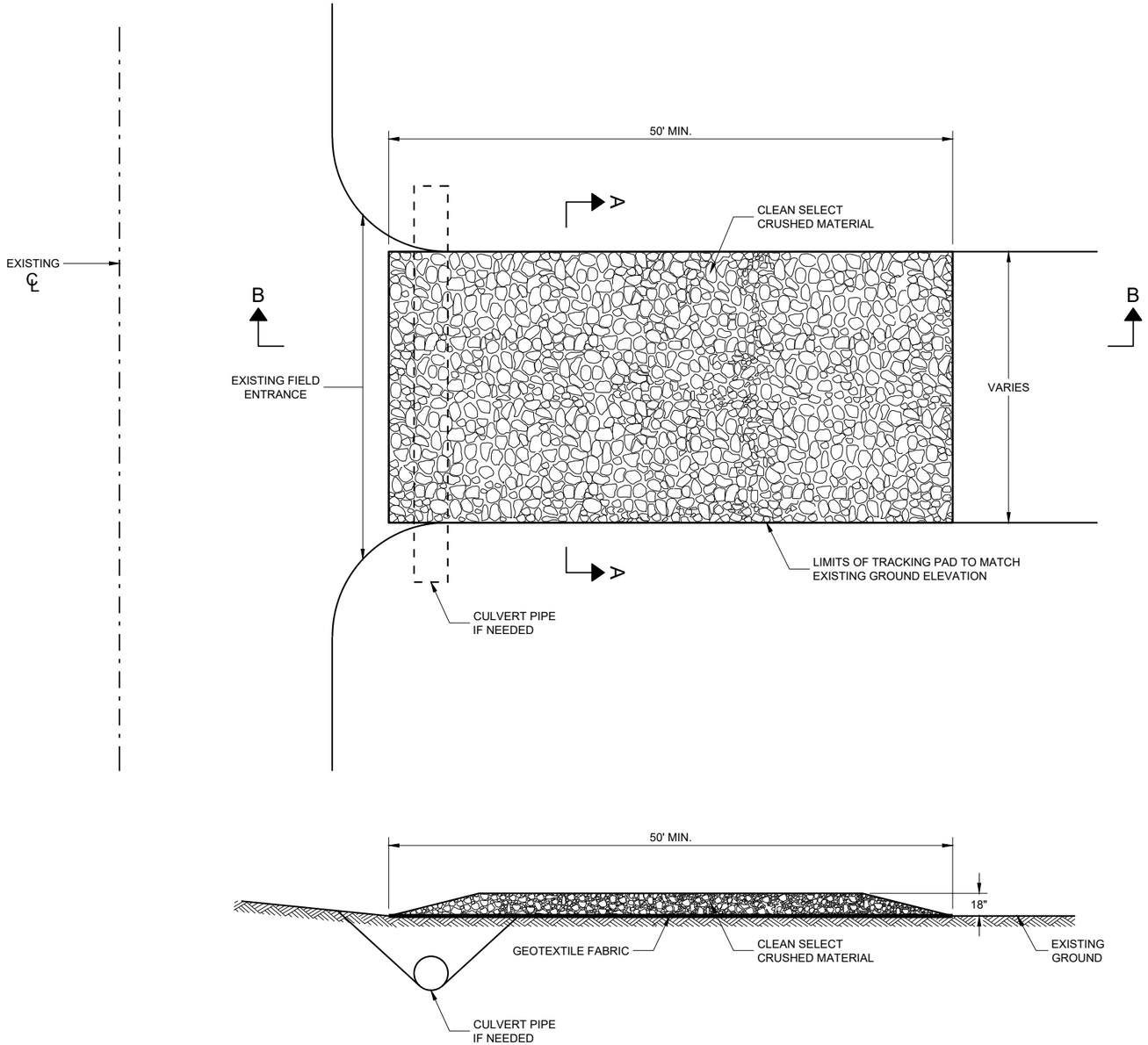
FHWA

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S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2



SECTION B - B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

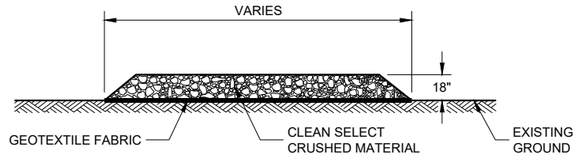
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVE ENGINEER

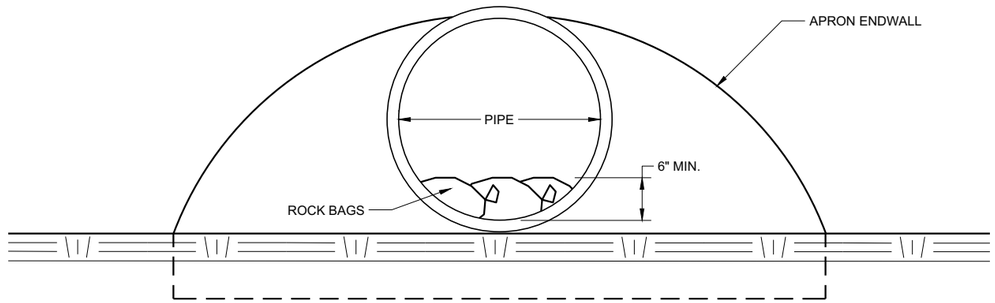
FHWA

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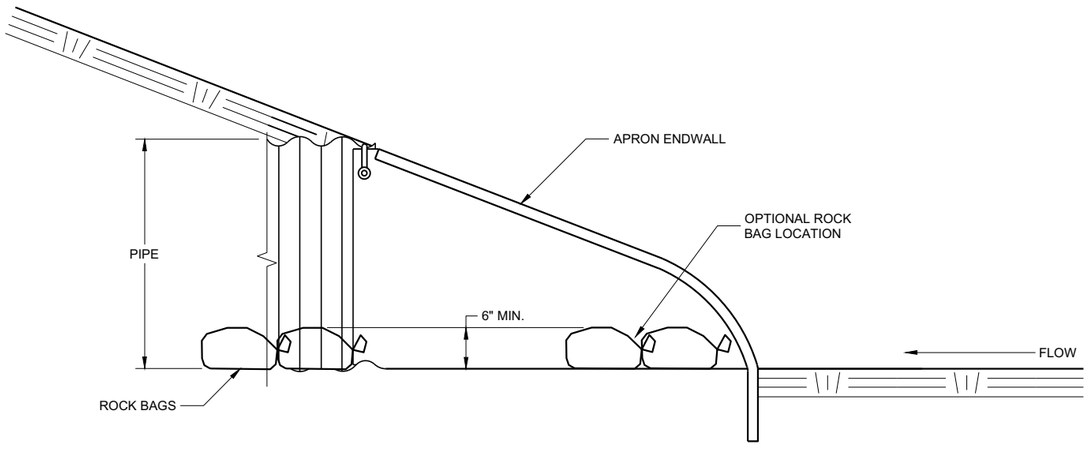
SDD 08E14 - 01

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SDD 08E14 - 01



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Daniel Schave
EROSION CONTROL ENGI

FHWA

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SDD 08E15 - 01

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SDD 08E15 - 01

METAL APRON ENDWALLS

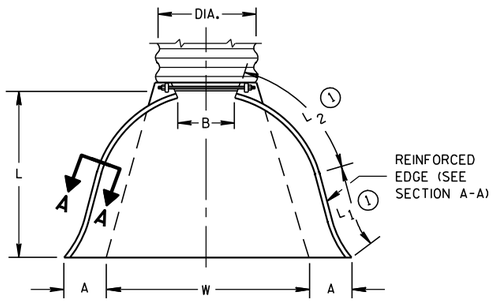
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

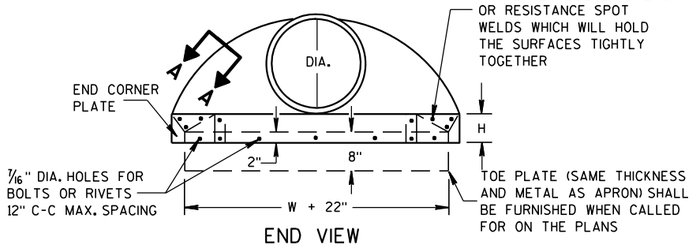
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

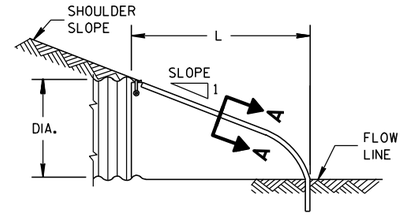
*MINIMUM
**MAXIMUM



PLAN VIEW

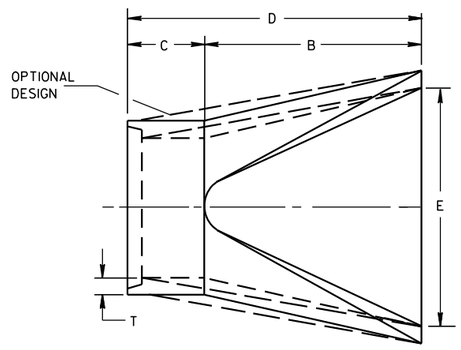


END VIEW

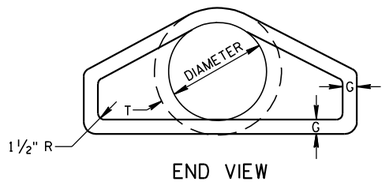


SIDE ELEVATION

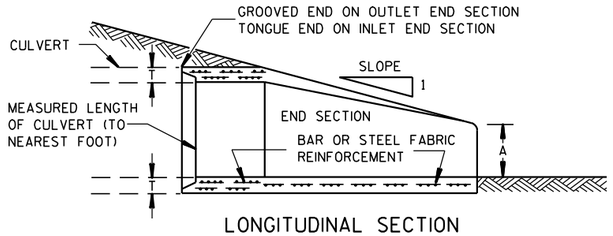
METAL ENDWALLS



PLAN

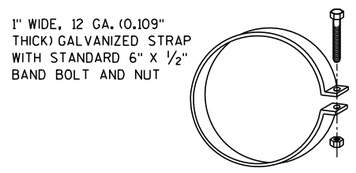


END VIEW



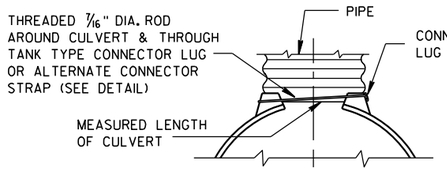
LONGITUDINAL SECTION

CONCRETE ENDWALLS

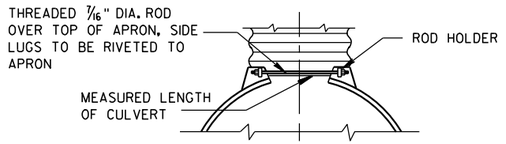


ALTERNATE FOR TYPE 1 CONNECTION

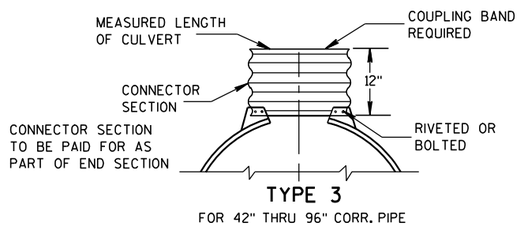
END SECTION CONNECTOR STRAP



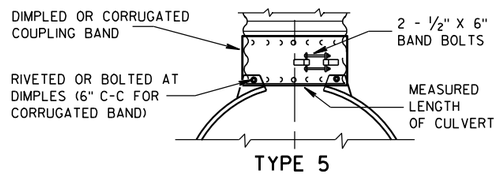
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

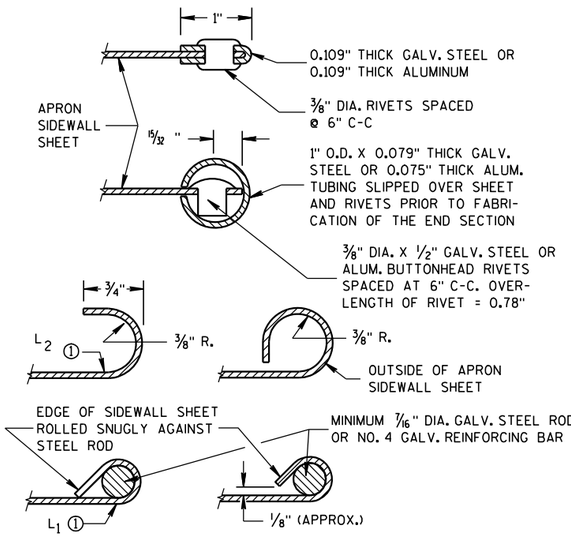
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

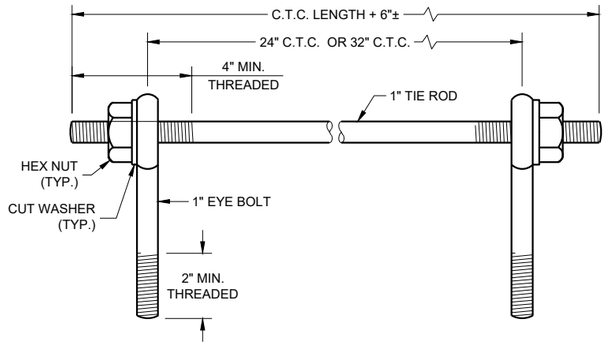
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

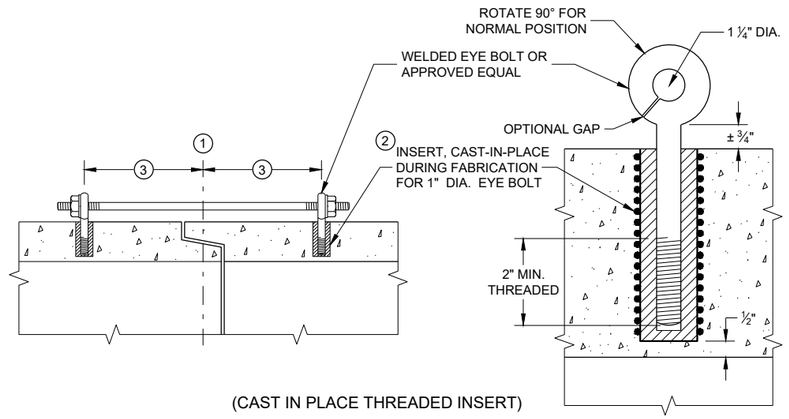
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

(2) THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

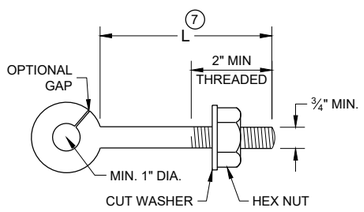
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

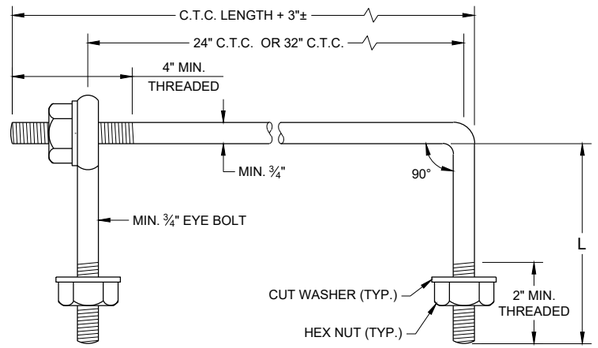
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

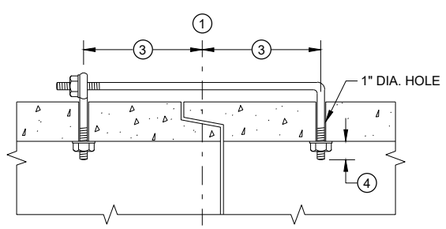


EYE BOLT (7)

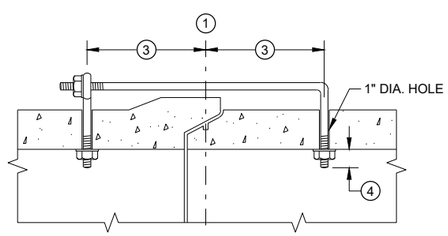
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

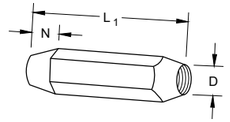
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

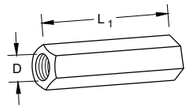
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



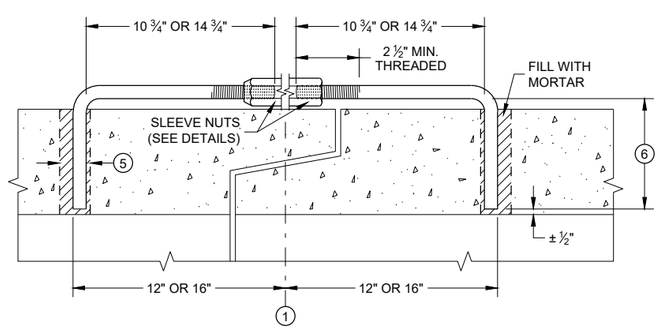
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PLAIN

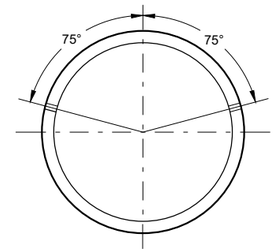
RIGHT AND LEFT THREADS

SLEEVE NUTS



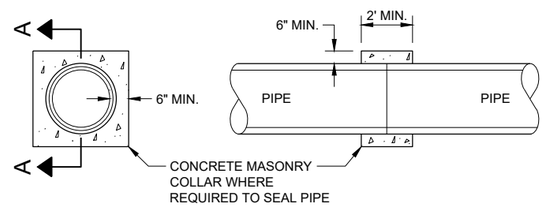
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

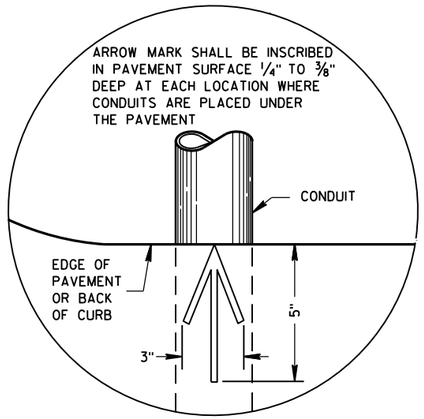
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

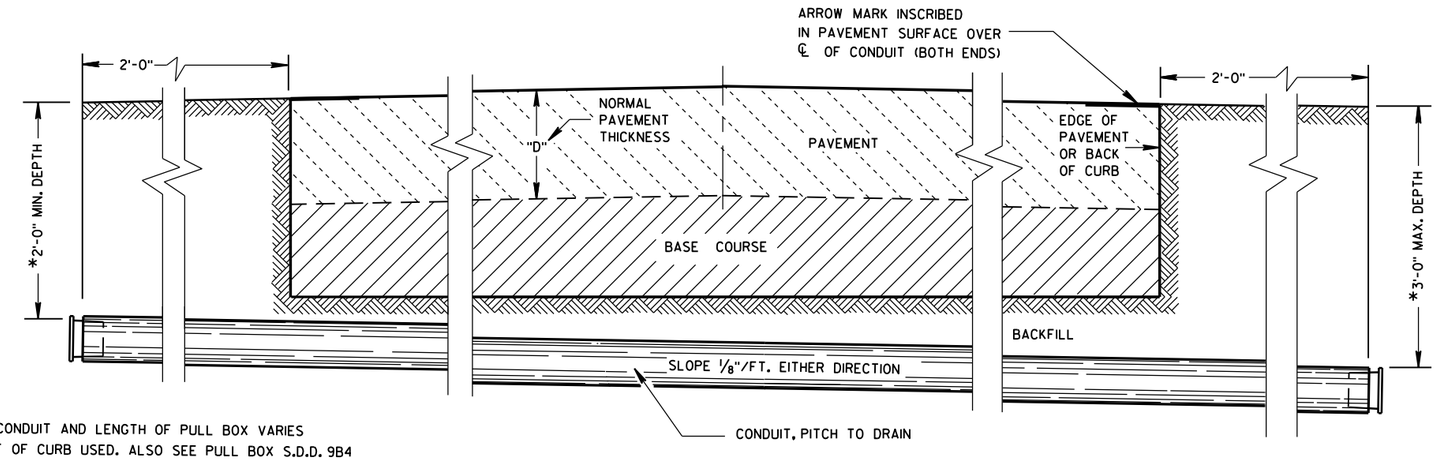
SDD 08F04 - 08

SDD 08F04 - 08



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 600
FHWA

6

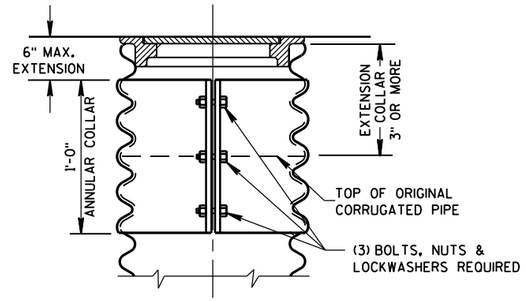
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

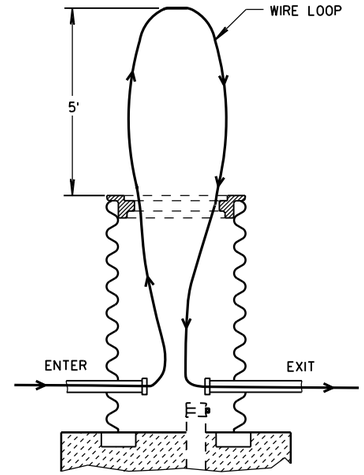
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

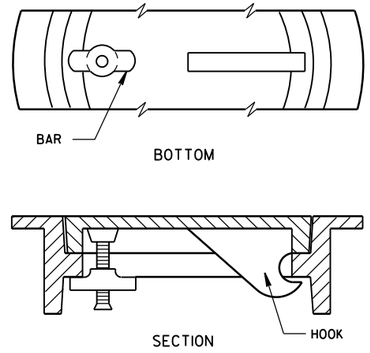
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

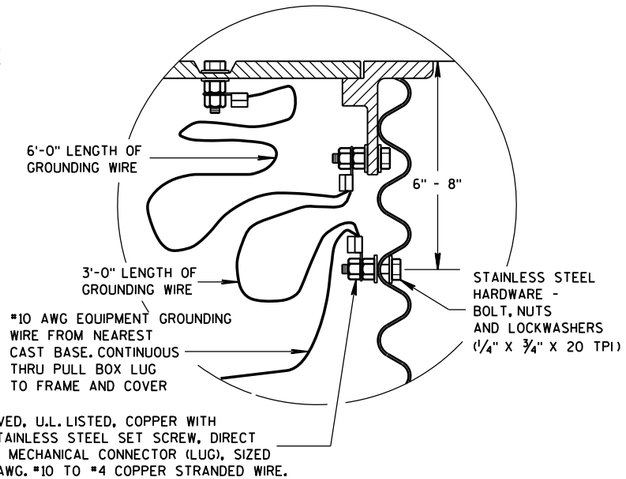


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

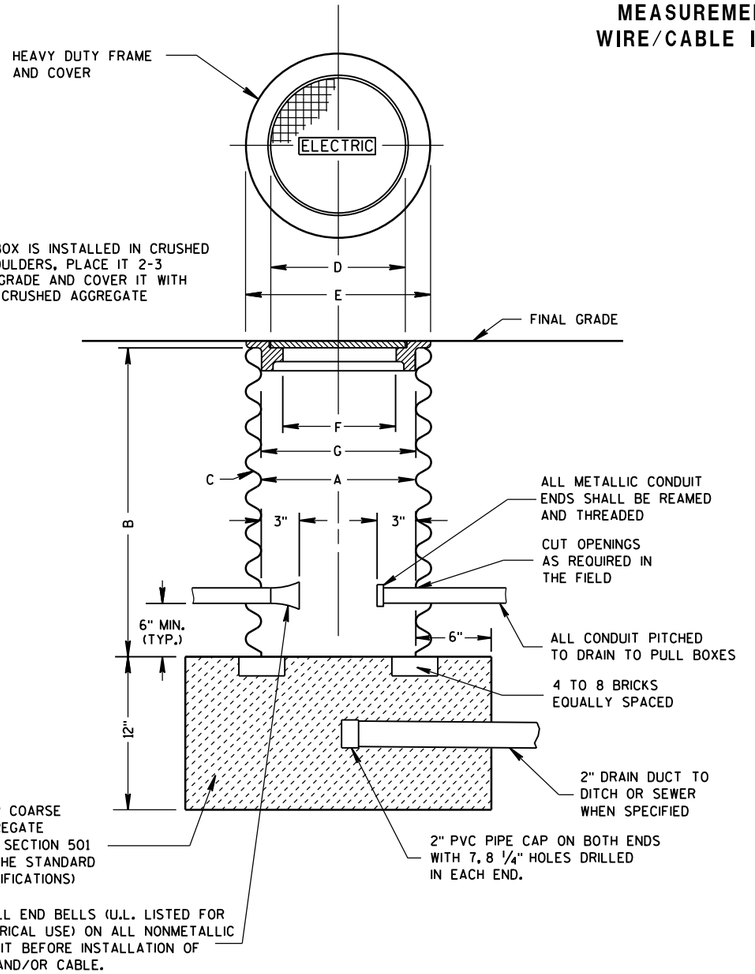


ALTERNATE COVER (LOCKING)

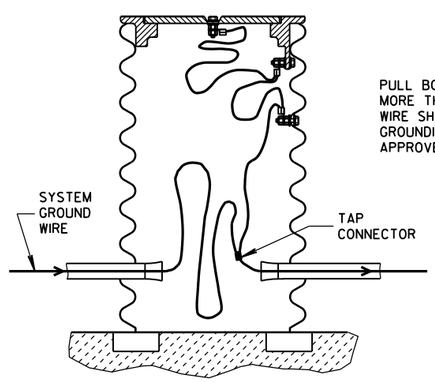
TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 601
FHWA

6

S.D.D. 9 B 4-11

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		NON-CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 1/2	22 1/2
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN 1/4".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

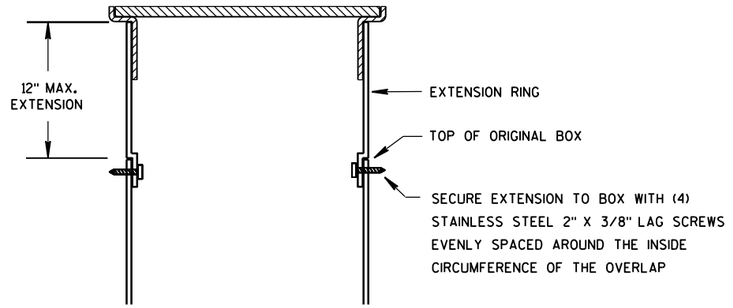
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

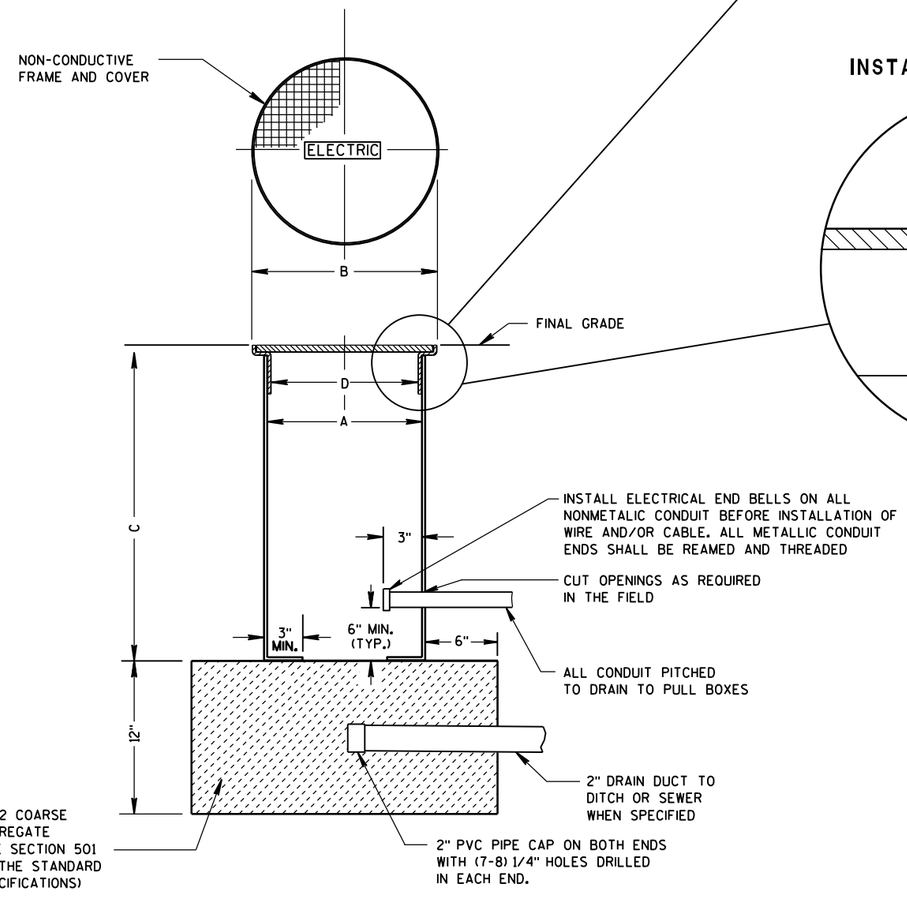
ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.

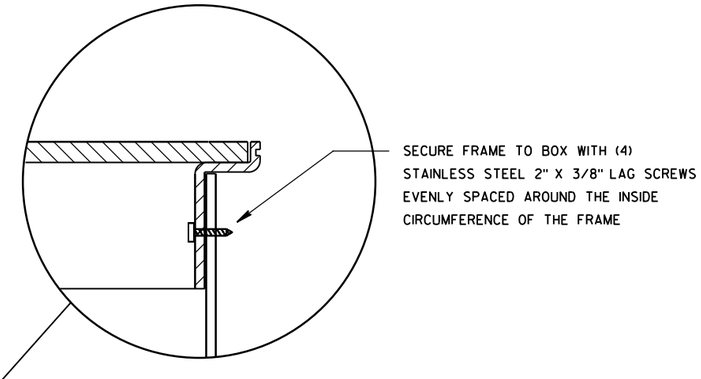


BOX EXTENSION

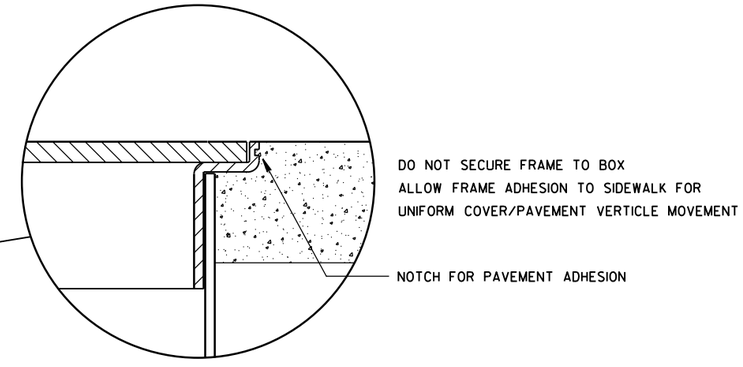


NON-CONDUCTIVE PULL BOX

INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



PULL BOX
NON-CONDUCTIVE

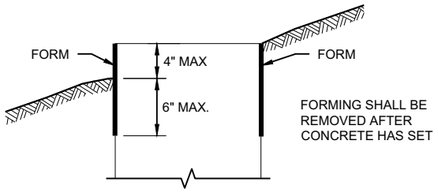
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL
FHWA

6

S.D.D. 9 B 16-1

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWINGSHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

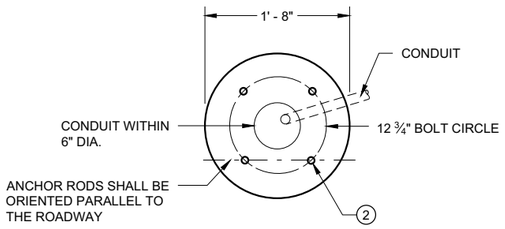
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

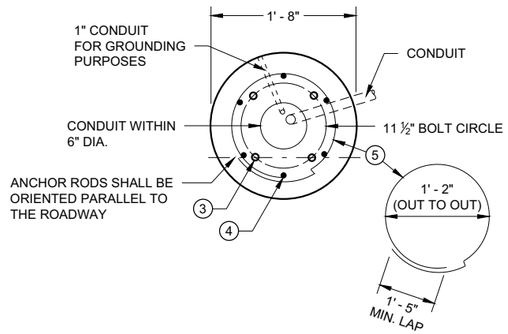
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

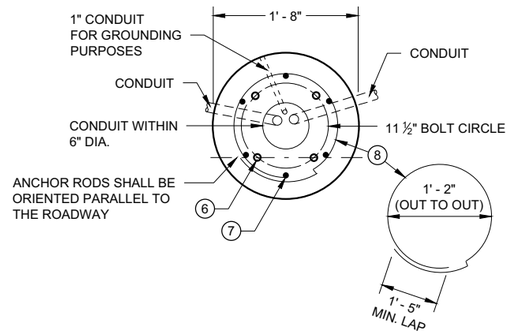
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

(2) (4) 1" DIA. X 3' - 6" ANCHOR RODS.

(3) (4) 1" DIA. X 5' - 0" ANCHOR RODS.

(4) (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

(5) (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

(6) (4) 1" DIA. X 3' - 6" ANCHOR RODS.

(7) (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

(8) (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

(9) EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

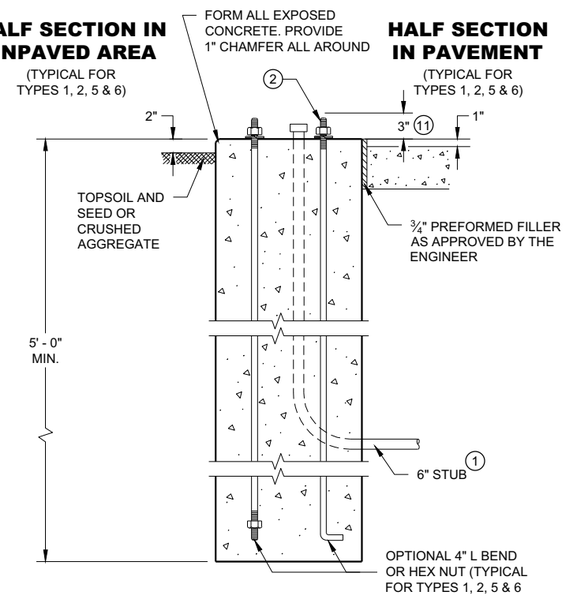
(10) ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

(11) ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

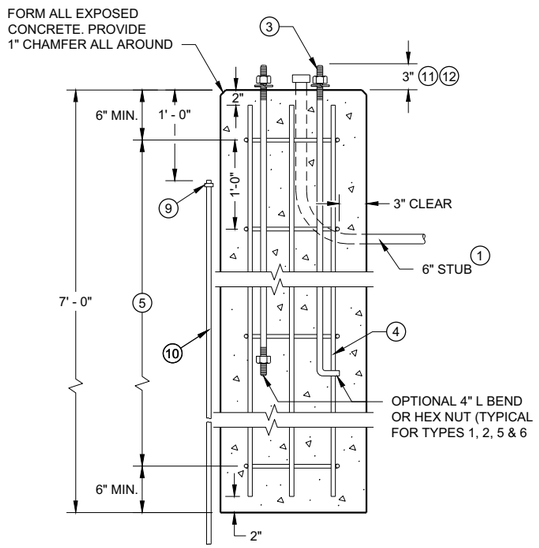
(12) FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

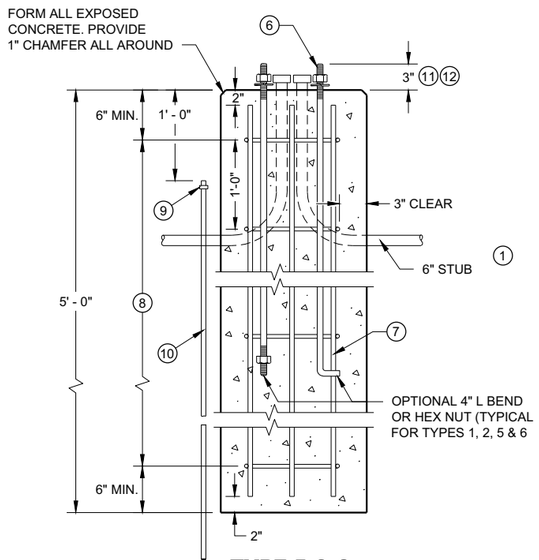
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES
TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 603

FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

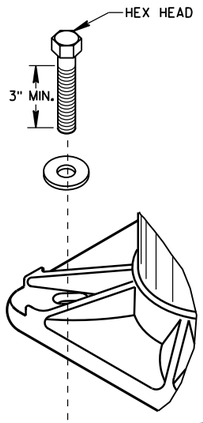
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

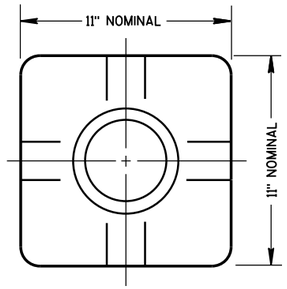
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

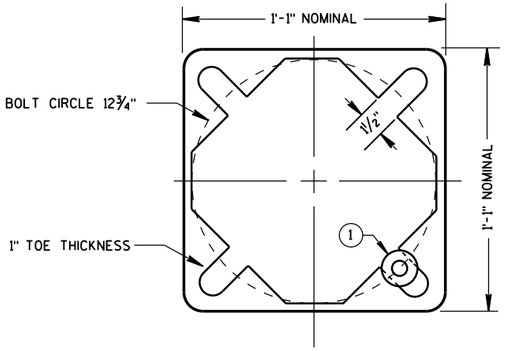
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

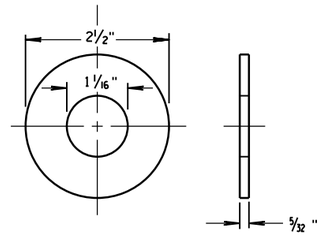




TOP VIEW
(PEDESTAL BASE)

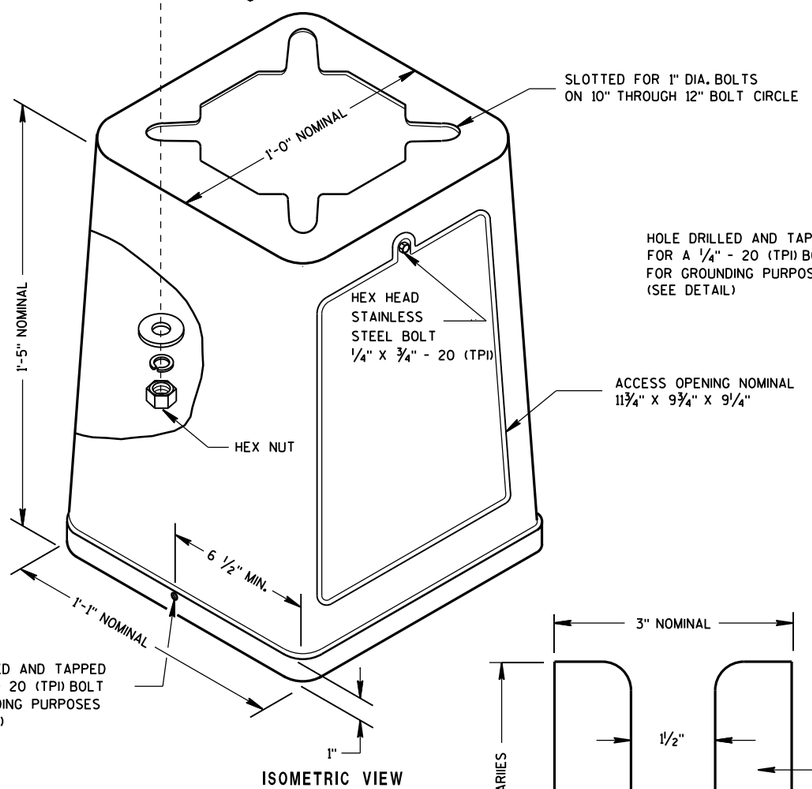


BOTTOM VIEW
(PEDESTAL BASE)

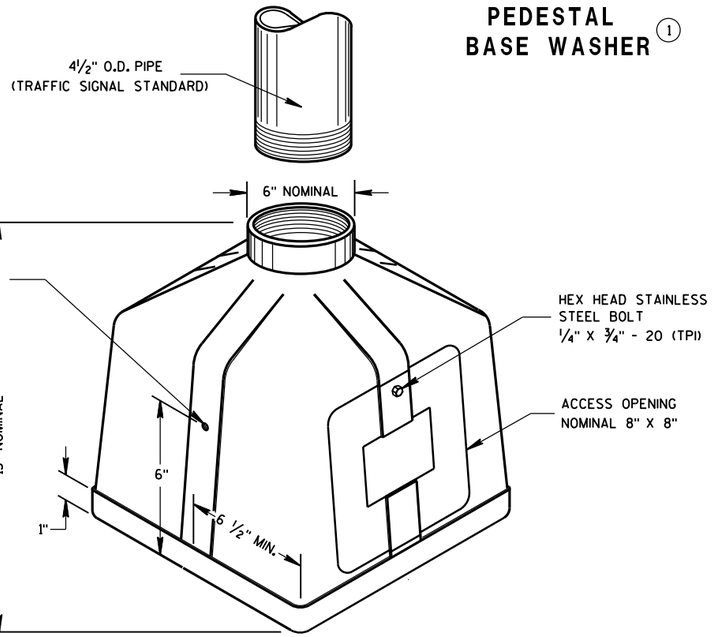


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

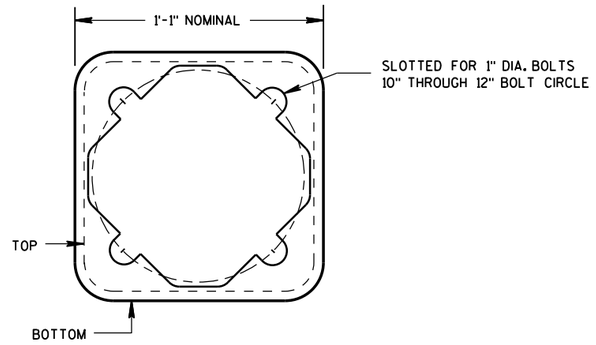


ISOMETRIC VIEW

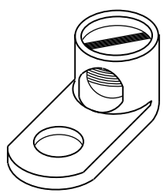


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

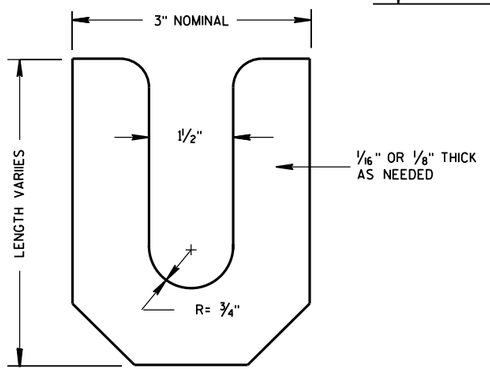


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED Sept. 2014 DATE	/S/ Ahmet Demirbilek STATE ELECTRICAL
FHWA	604

6

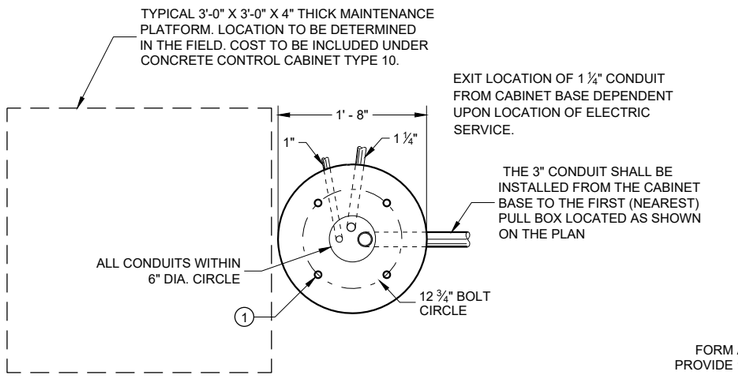
S.D.D. 9 C 3-4

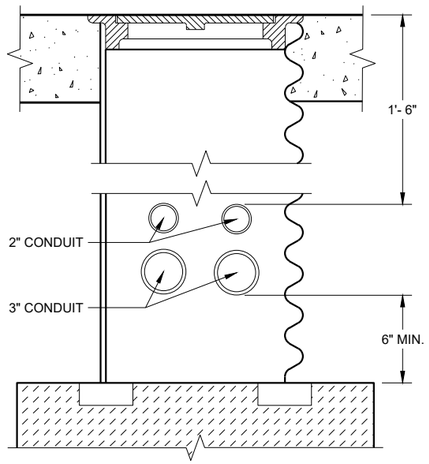
6

S.D.D. 9 C 3-4

CONTROL CABINET BASE TYPE	DIMENSIONS				CUBIC YARD CONCRETE (APPROX.)
	H	I	J	K	
TYPE 6 - 30" CABINET	34"	60"	10"	17"	.64
TYPE 7 - 38" CABINET	42"	60"	10"	21"	.93
TYPE 8 - 38" CABINET	42"	72"	12"	21"	1.29
TYPE 9 - VARIABLE	54"	72"	14"	27"	1.56
TYPE 10 - POST MOUNT	AS SHOWN				.65*

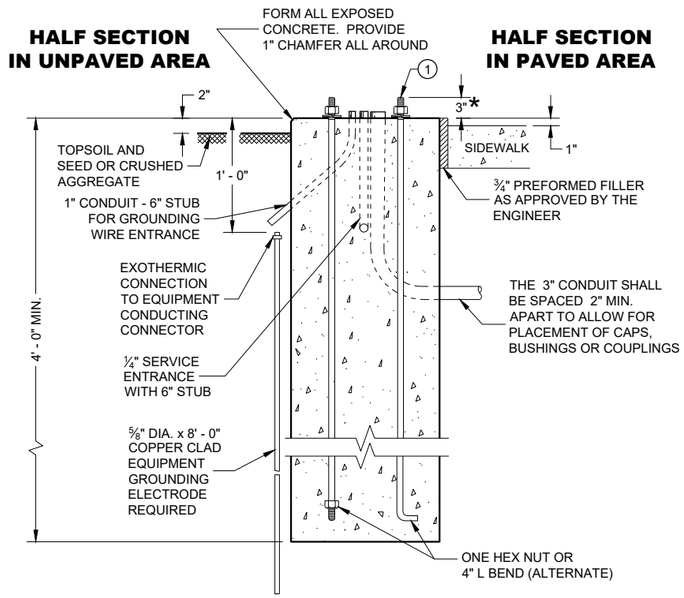
* INCLUDES MAINTENANCE PLATFORM.





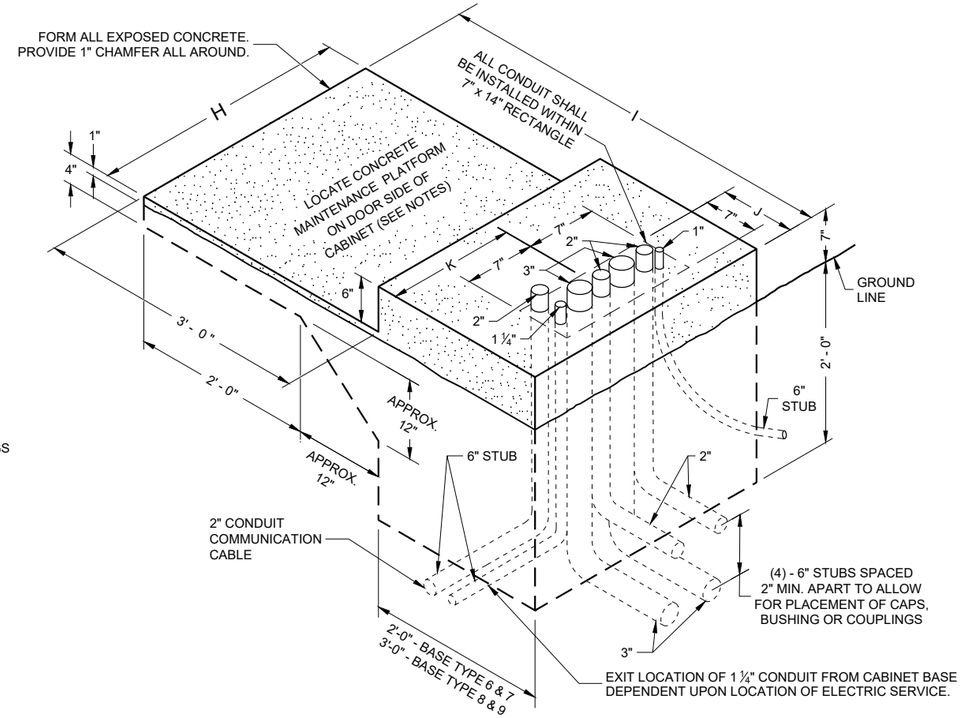
CONDUIT LOCATIONS IN 24" X 36" PULL BOX

(LEADING TO CONTROLLER CABINET BASE TYPE 6, 7, 8 AND 9)



TYPE 10

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.



ISOMETRIC VIEW
TYPE 6, 7, 8 AND 9

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR (4) ½" INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

WHEN A TYPE 10 CONTROL CABINET BASE IS USED TO POST MOUNT A CONTROL CABINET, A 36" SQUARE 4" THICK CONCRETE MAINTENANCE PLATFORM SHALL BE REQUIRED ON THE DOOR SIDE OF THE CABINET. THE TOP 1 INCH SHALL BE ABOVE FINISHED GRADE AND BE BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

ALL FOUR (TWO INCH AND THREE INCH) CONDUIT SHALL BE INSTALLED FROM THE CABINET BASE TO THE FIRST (NEAREST PULL BOX LOCATED AS SHOWN ON THE PLANS.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

WHEN ANCHOR RODS USING THE ALTERNATE L BEND ARE FURNISHED FOR THE TYPE 10 BASE, THE 4" L BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH.

THE "L" BEND SHALL NOT BE THREADED.

STRAIGHT ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1 :40 FROM VERTICAL.

(1) FOUR (4) ANCHOR RODS, 1" DIA. X 3'-6". ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2 OF THE STANDARD SPECIFICATIONS.

CONCRETE CABINET CONTROL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2016
DATE
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 605
FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES (SHAFT), BELOW THE WING, SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR ROD PROJECTION ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

CONDUIT SIZE AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASE SHALL BE 4 ½ INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTOR FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1-INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4-FOOT COIL OF WIRE ABOVE THE CONCRETE BASE, THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF THE UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVEL WAY SHALL BE 24-INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18-INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36-INCHES, (GREATER THAN 36-INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.

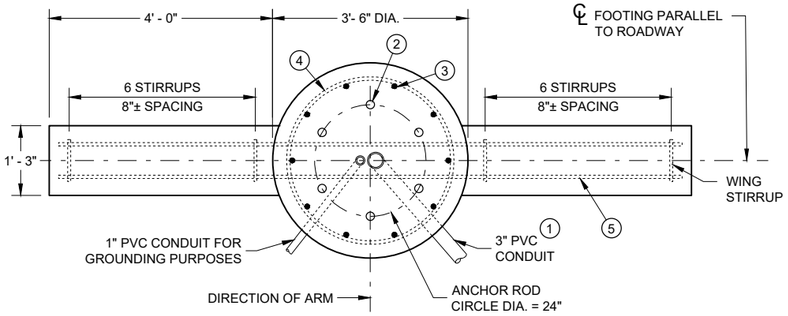
(2) (6) 1 ¾" DIA. X 7' - 2" ANCHOR RODS

(3) (10) NO. 6 X 14' - 1" BAR STEEL VERTICAL REINFORCEMENT.

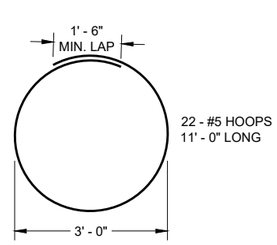
(4) (22) NO. 5 X 11'- 0" BAR STEEL REINFORCEMENT @ 8" MAX. C-C.

(5) (10) NO. 5 X 11' - 0" BAR STEEL HORIZONTAL REINFORCEMENT

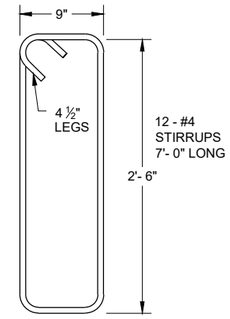
CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE .....fy = 55,000 p.s.i.
WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION)
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.



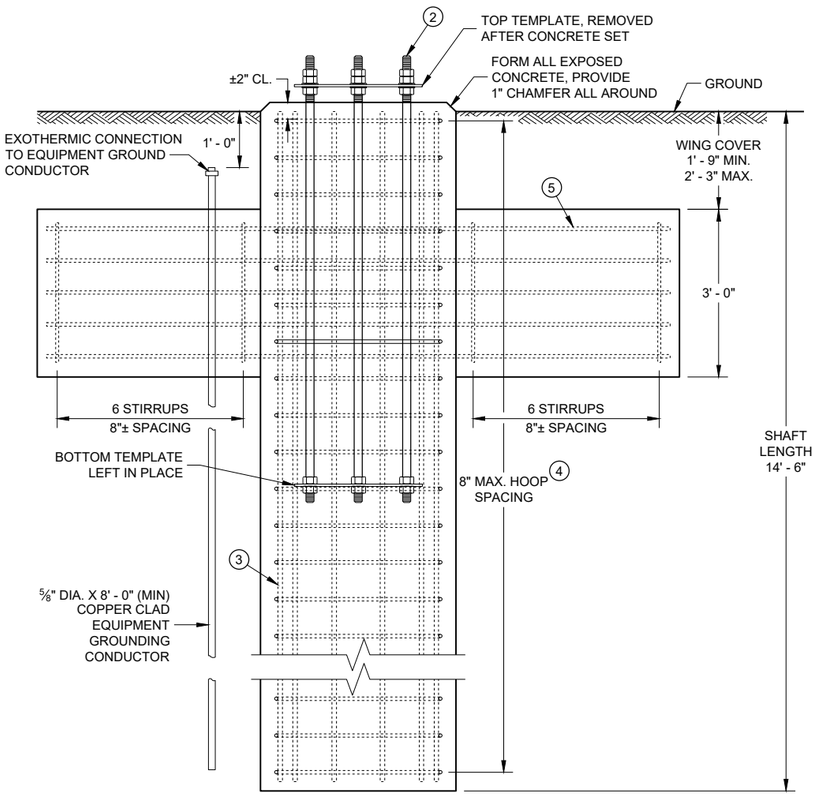
PLAN VIEW



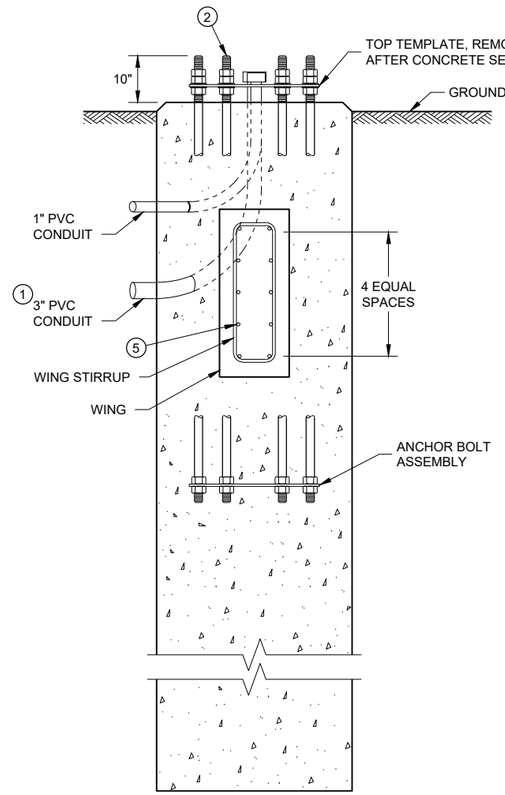
HOOP DETAIL



WING STIRRUP DETAIL



ELEVATION VIEW
(CONDUITS NOT SHOWN ON THIS VIEW FOR CLARITY)



(HOOPS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN ON THIS VIEW FOR CLARITY)

CONCRETE BASE, TYPE 13
(FOR TYPE 12, TYPE 13 AND OVER HEIGHT (OH) POLES)

CONCRETE = 6.3 CUBIC YARD
H.S. REINFORCEMENT = 635 LBS.

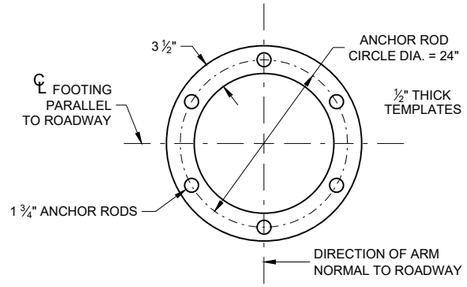
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE 9C13 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION

CONCRETE BASE TYPE 13

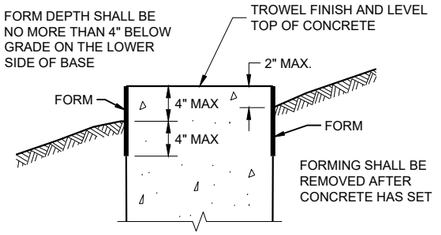
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

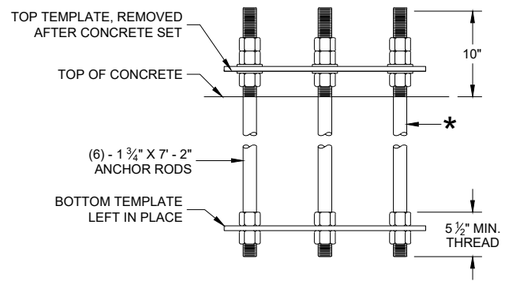
SDD 09C12 - 09a



TOP AND BOTTOM TEMPLATE



FORMING DETAIL



ANCHOR ROD ASSEMBLY DETAILS

* THREAD TOP 11" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5 ½" FOR 2 NUTS PER ANCHOR ROD. HOT DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR ROD (ASTM A123) AND HOT DIP NUTS AND WASHERS (ASTM A153. USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

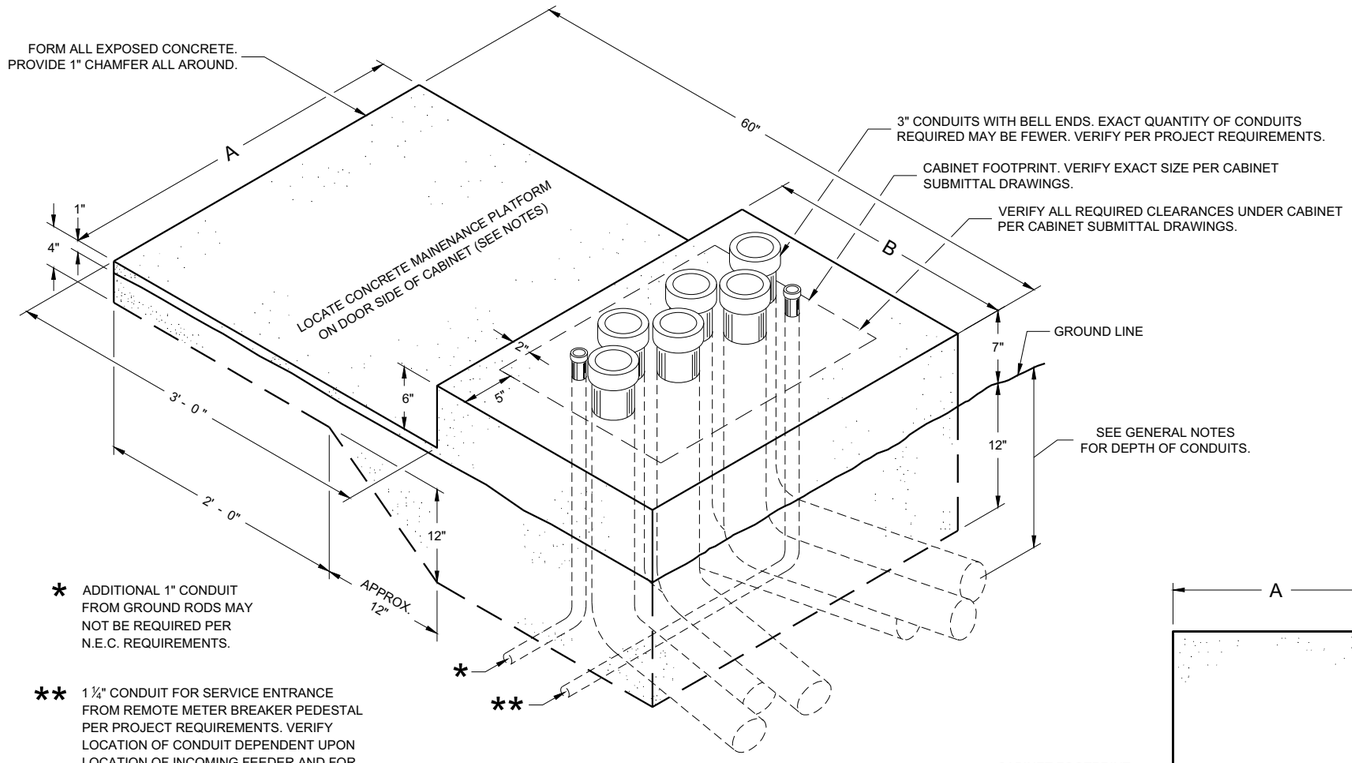
CONCRETE BASE TYPE 13

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017
DATE
/S/ Ahmet Demirbilek
WIND LOADED STRUCTU
PROGRAM LEADER
607
FHWA

6

SDD 09C12 - 09b



* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

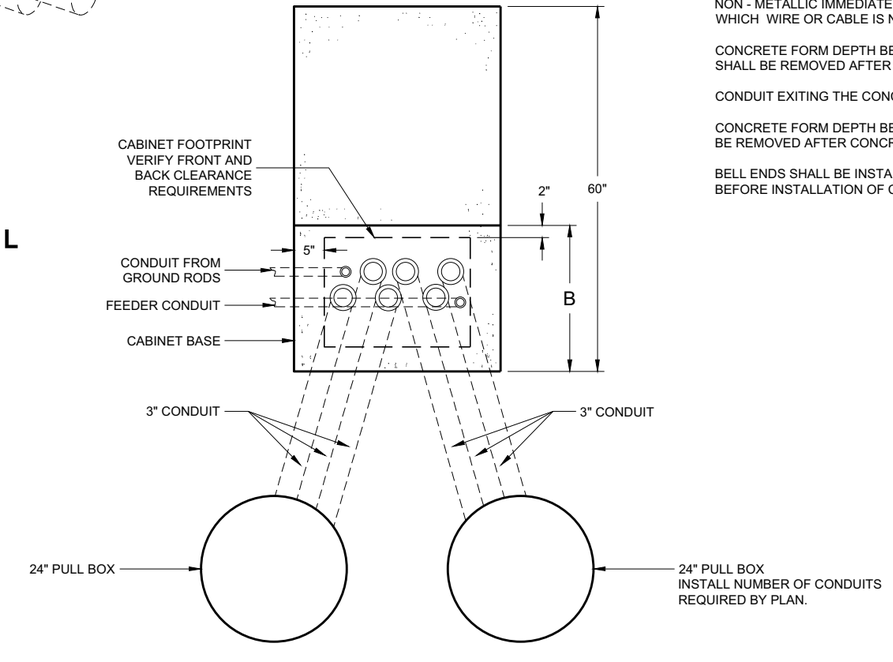
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS UNLESS DETERMINED BY THE ENGINEER IN THE FIELD.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCH MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE L

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 608

FHWA

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SDD 09C14 - 03

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING. A STEEL CASING OR CORRUGATED METAL PIPE IS ALLOWED TO REMAIN. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BASE IN LAYERS OF ONE FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

ANY DAMAGE TO THE CONCRETE BASE AND ANCHOR RODS DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

THE REINFORCEMENT AND ANCHOR RODS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR RODS STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

FORM ALL EXPOSED CONCRETE CORNERS WITH 1" CHAMFER ALL AROUND. TOP OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 TIMES THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 ½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NON-METALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

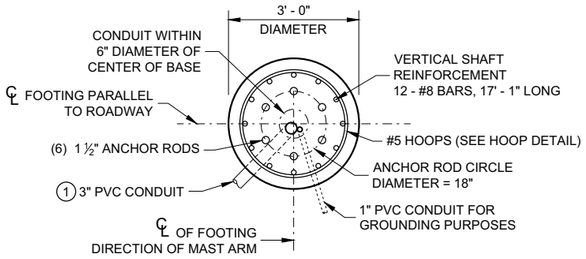
A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

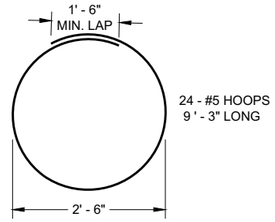
THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER RUN) EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

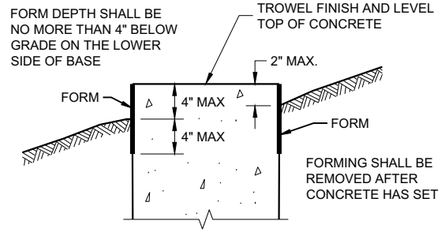
CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION).....fy = 55,000 p.s.i.
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.



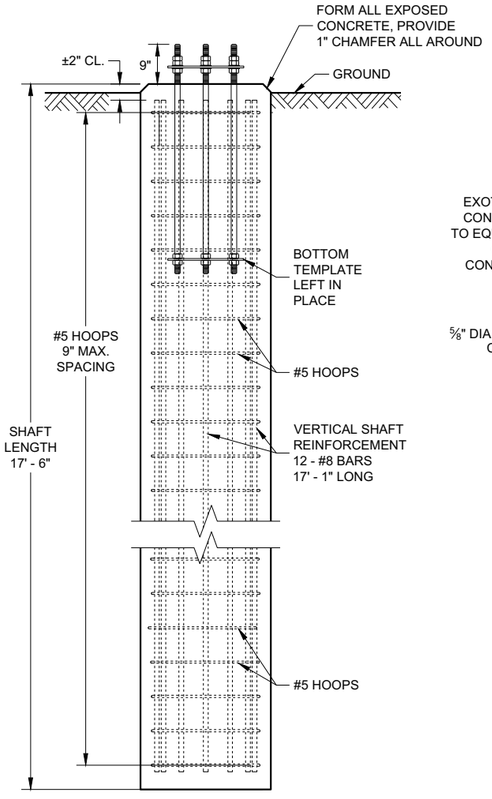
PLAN VIEW



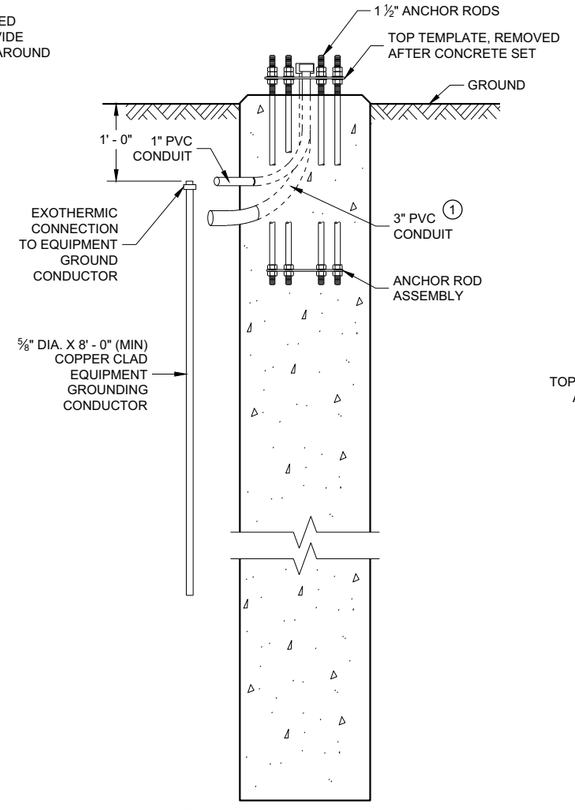
HOOP DETAIL



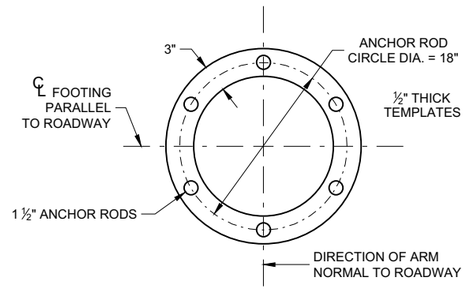
FORMING DETAIL



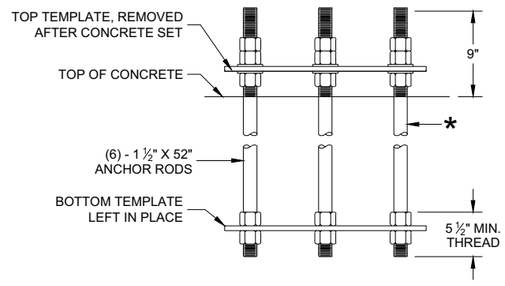
ELEVATION VIEW
(CONDUITS NOT SHOWN ON THIS VIEW FOR CLARITY)



SIDE VIEW
(HOOPS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN ON THIS VIEW FOR CLARITY)



TOP AND BOTTOM TEMPLATE



ANCHOR ROD ASSEMBLY DETAILS

* THREAD TOP 10" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5 ½" FOR 2 NUTS PER ANCHOR ROD. HOT DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR ROD (ASTM A123) AND HOT DIP NUTS AND WASHERS (ASTM A153. USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

CONCRETE BASE, TYPE 10 SPECIAL
(FOR TYPE 9 SPECIAL AND TYPE 10 SPECIAL POLES)

CONCRETE = 4.6 CUBIC YARD
H.S. REINFORCEMENT = 779 LBS.

FOR USE WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.

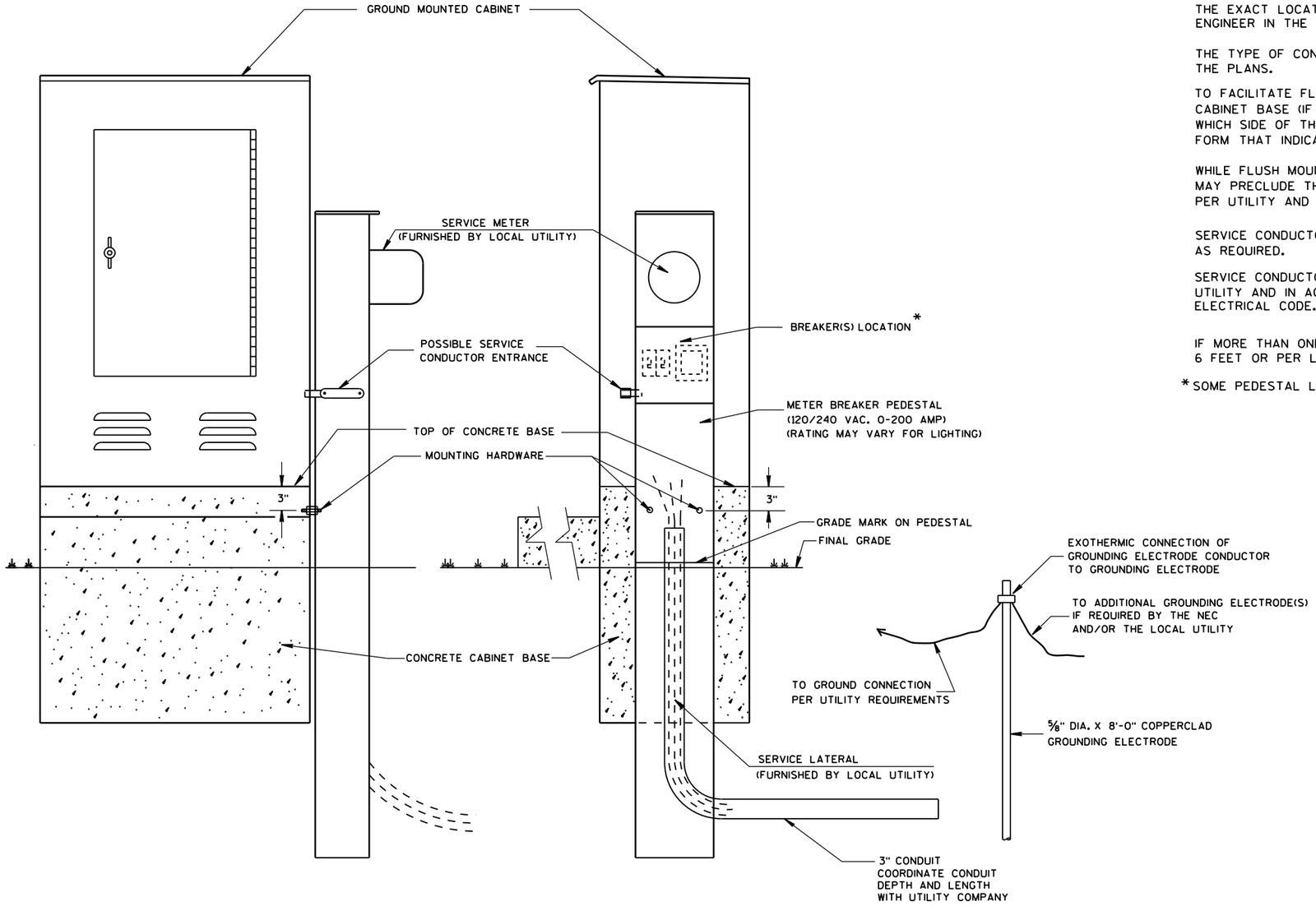
CONCRETE BASE TYPE 10 SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020 — DATE
/S/ Alex Crabtree — WIND LOADED STRUCTU PROGRAM LEADER
FHWA

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SDD 09C15 - 01



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

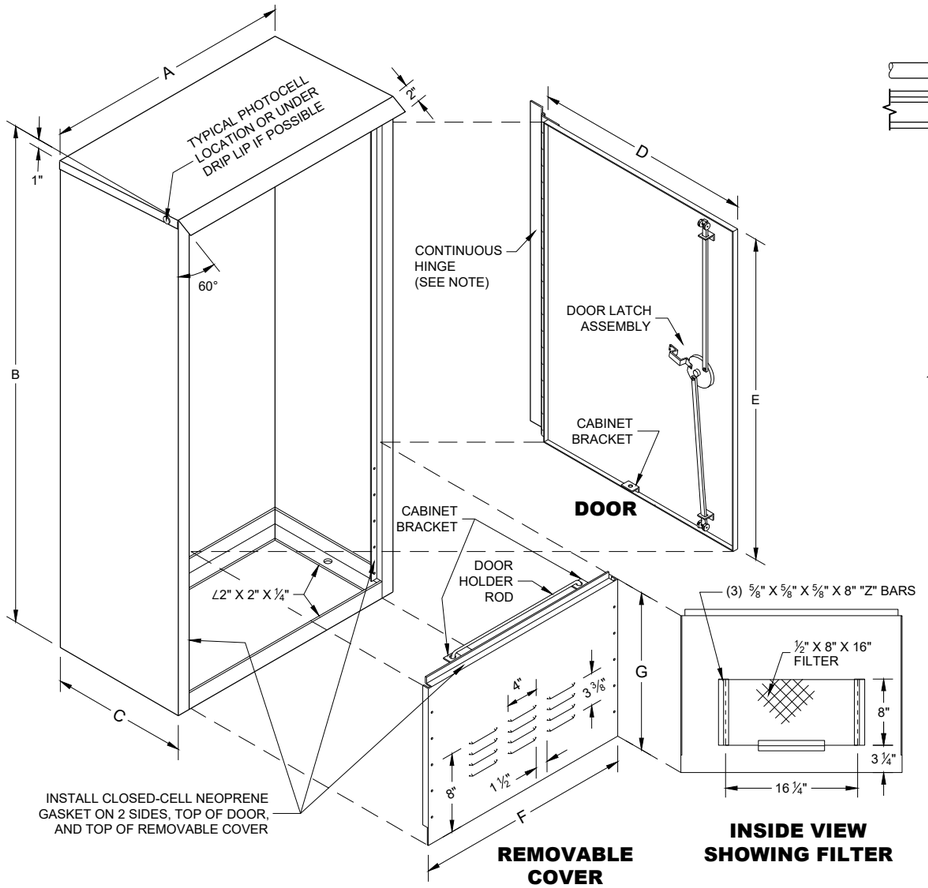
SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

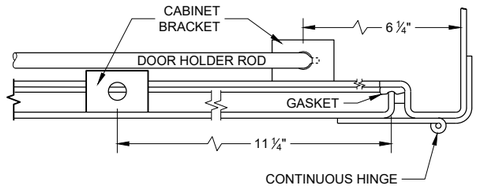
IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

*SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

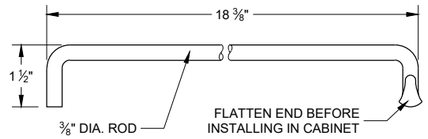
CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
Sept. 2014 DATE	/S/ Ahmet Demirbilek STATE ELECTRICAL
FHWA	

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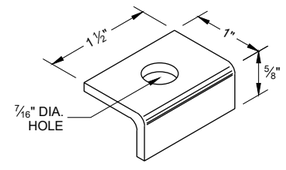




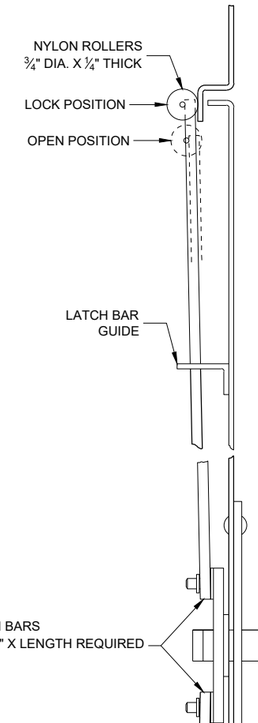
HINGE AND DOOR HOLDER

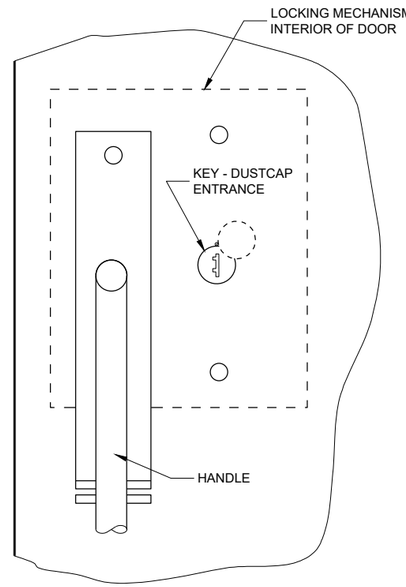


HOLDER ROD



CABINET BRACKET





SIDE VIEW **FRONT VIEW**

LATCH ASSEMBLY

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

FINISH EXTERIOR SURFACES WITH RUSTOLEUM #906 SILVER GRAY OR APPROVED EQUAL.

FINISH INTERIOR WITH RUSTOLEUM #2766 HIGH GLOSS WHITE ENAMEL OR APPROVED EQUAL.

ALL SHEET METAL PARTS SHALL BE .125 INCH THICK ALUMINUM.

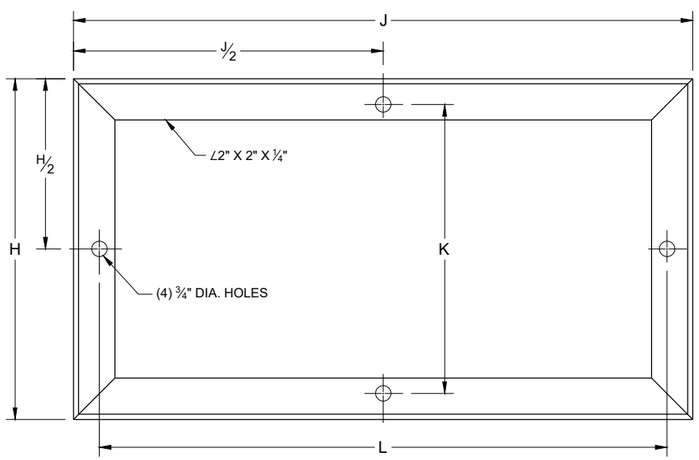
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH ¼" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH ¼" X 20 TPI STAINLESS STEEL CARRIAGE BOLTS AND STAINLESS STEEL NYLOCK NUTS.

A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH - NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST.

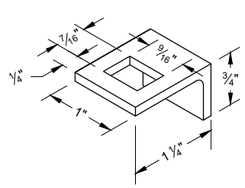
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 ½	16 ½	24
D	26 ½	34 ¾	33 ¾
E	38 ¾	38 ¾	38 ¾
F	26 ½	34 ¾	33 ¾
G	19	19	25
H	16 ½	16 ½	24
H/2	8 ¼	8 ¼	12
J	30	38	38
J/2	15	19	19
K	13 ¾	13 ¾	21 ¼
L	27 ½	35 ½	35 ½



LATCH BAR GUIDE

SIGNAL CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 611

FHWA

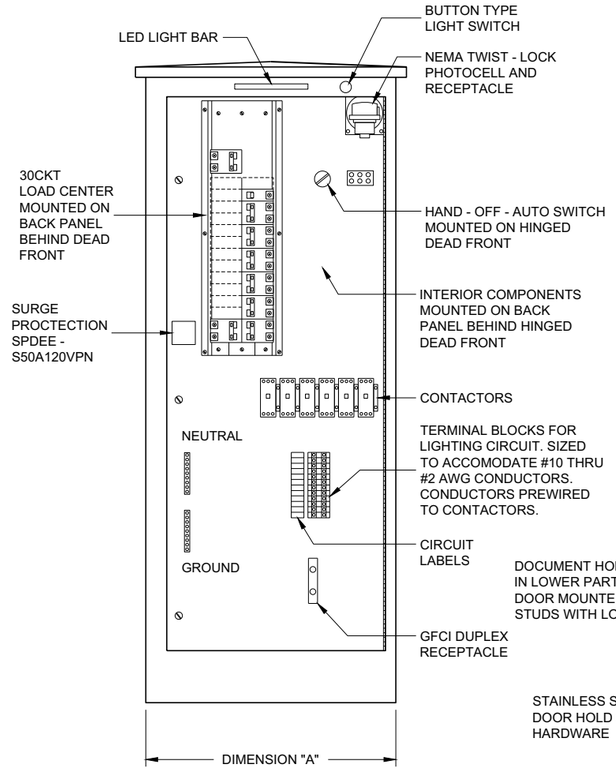
SDD 09D02 - 03

SDD 09D02 - 03

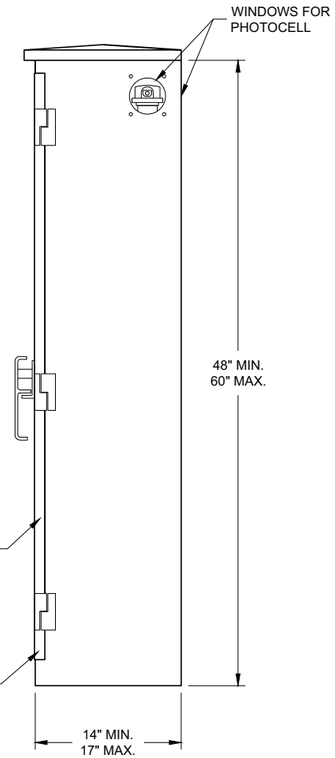
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FRONT INTERIOR ELEVATION



SIDE VIEW



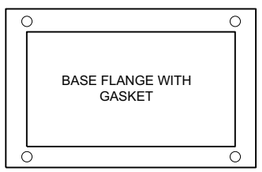
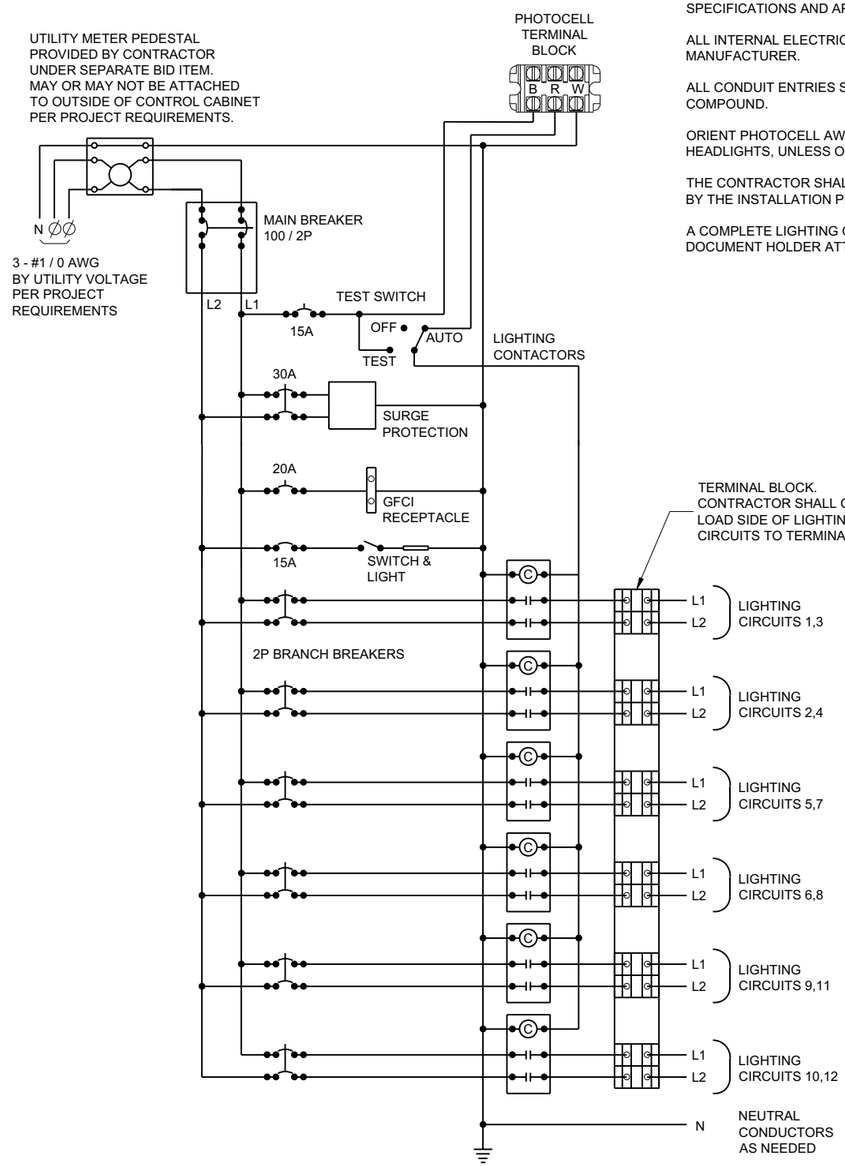


TABLE OF DIMENSIONS (INCHES)		
CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

LIGHTING CONTROL CABINET



CONTROL CABINET SCHEMATIC

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE - WIRED BY THE CABINENT MANUFACTURER.

ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS, UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISION.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

LIGHTING CONTROL CABINET
120 / 240 VOLT

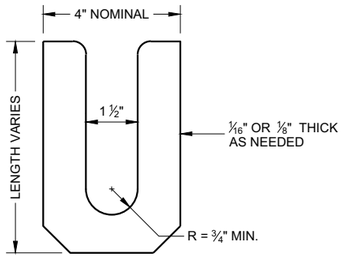
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

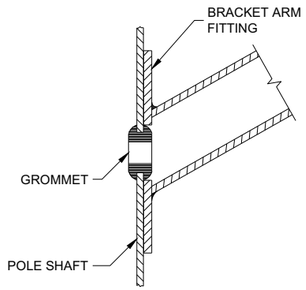
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 612

FHWA

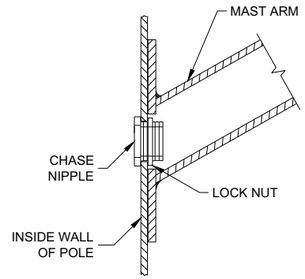
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SDD 09D04 - 03



LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

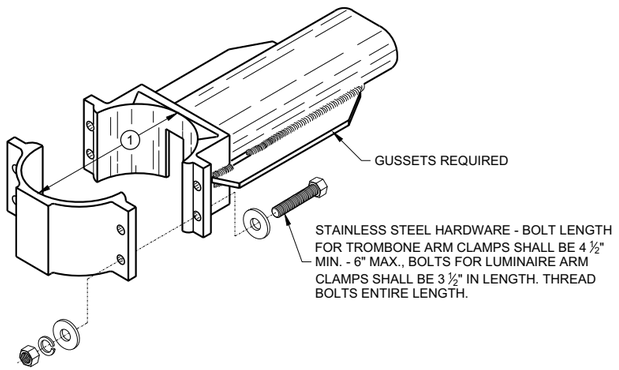
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

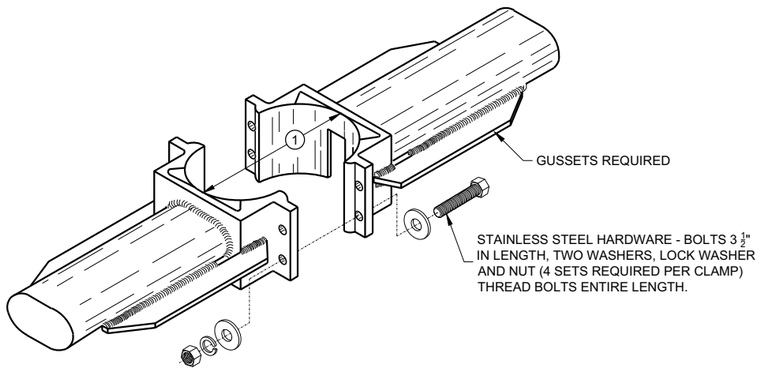
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

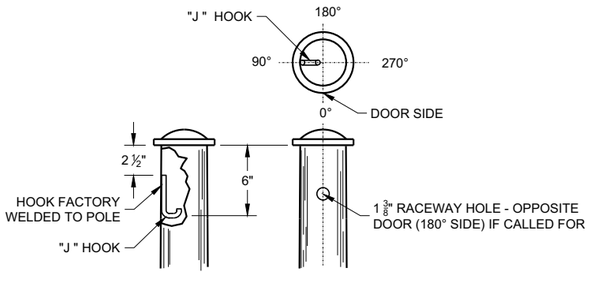
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



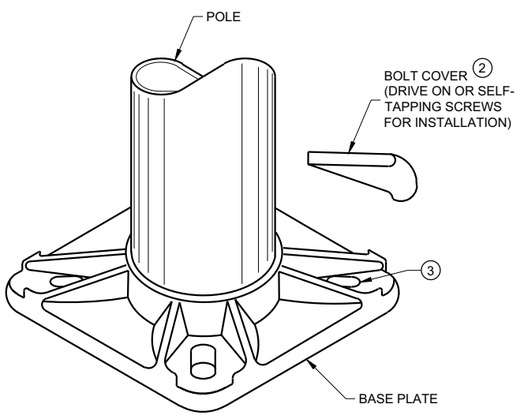
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



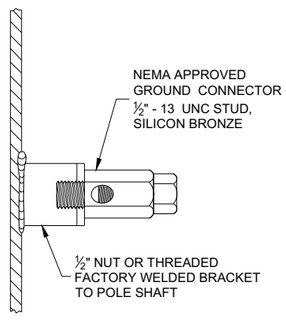
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

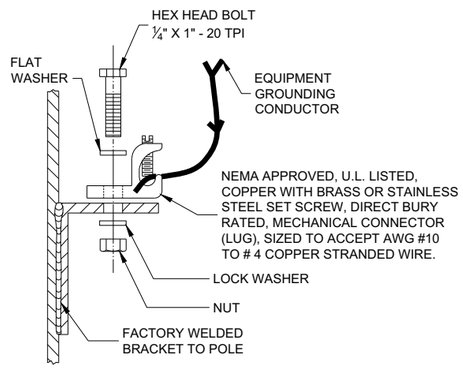


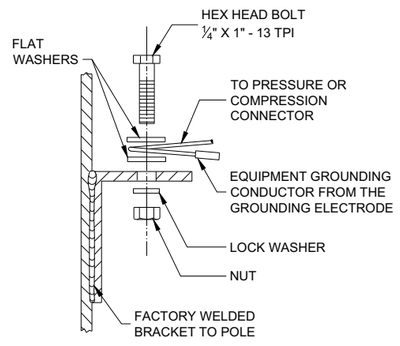
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 613

FHWA

6

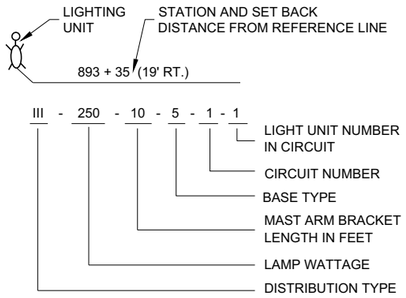
SDD 09E01 - 15g

GENERAL NOTES

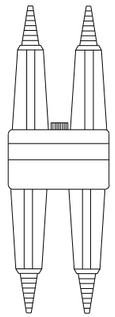
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

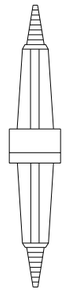
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



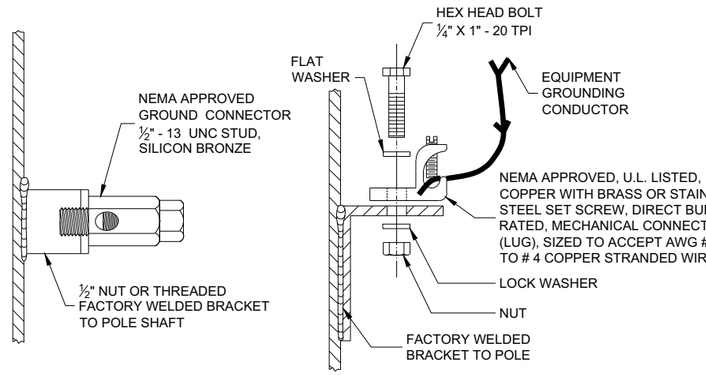
LIGHTING UNIT CODE
(TYPICAL)



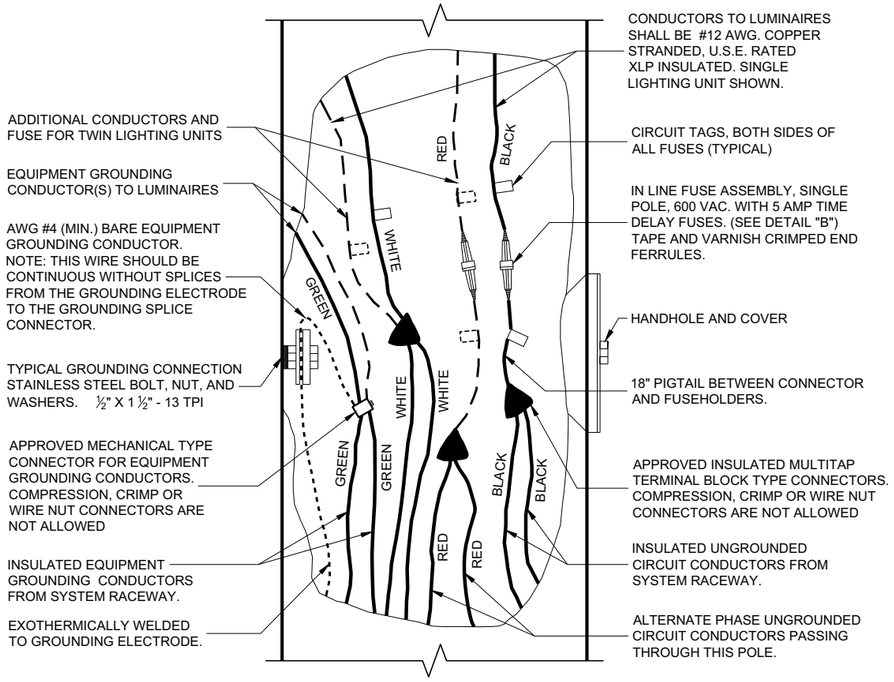
DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



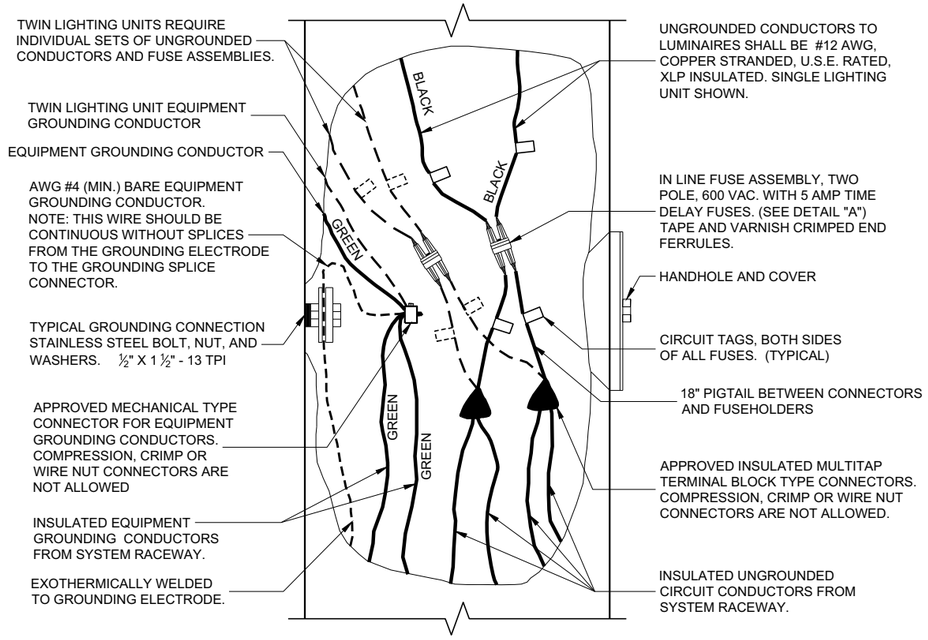
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

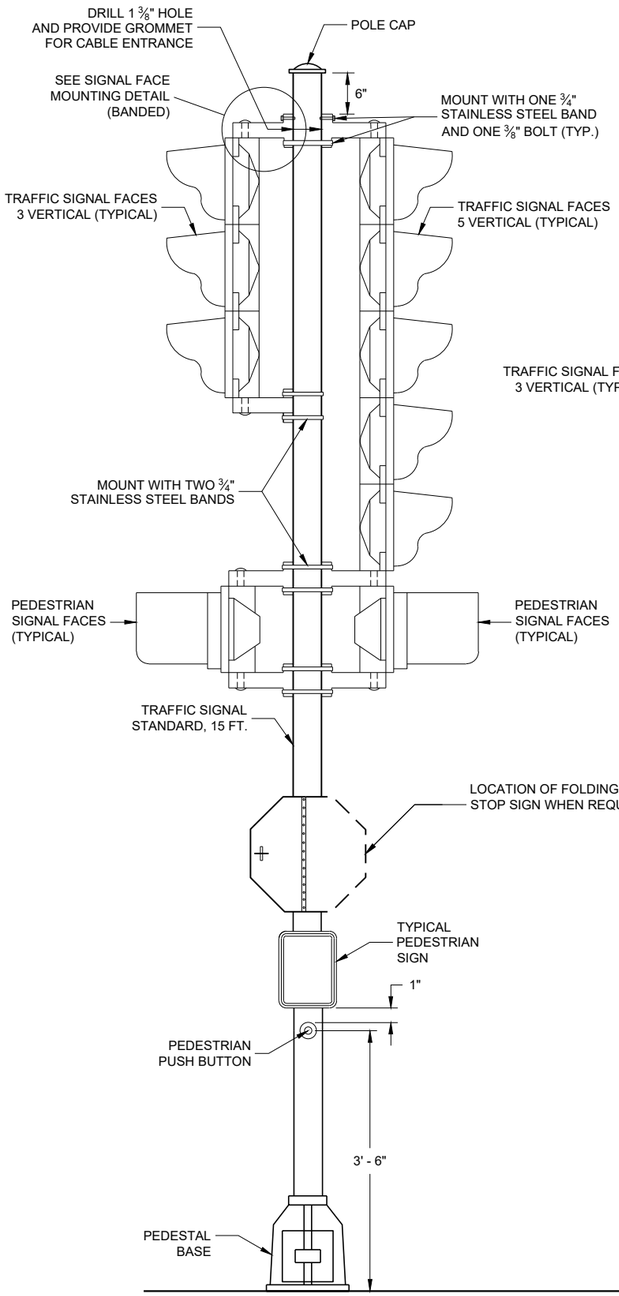
NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

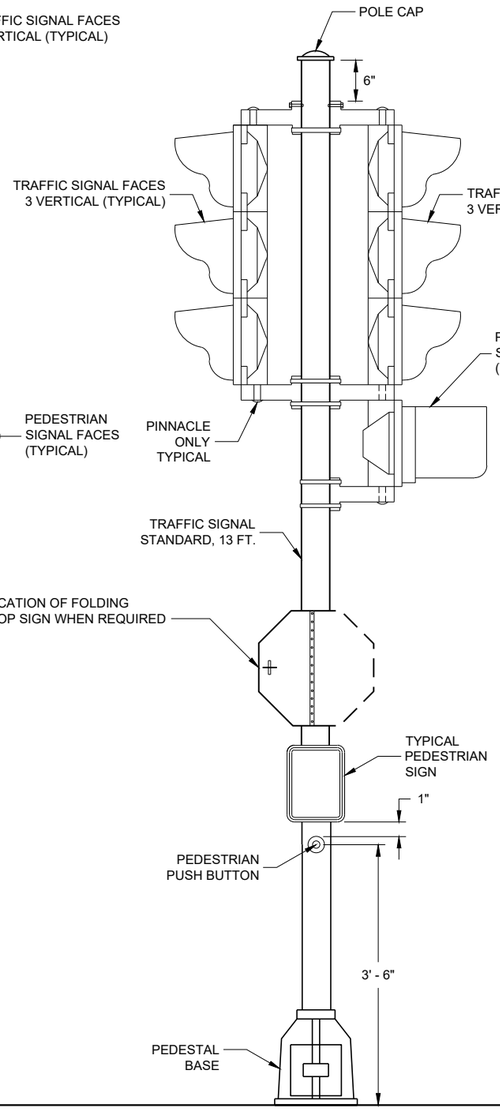
APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 614

FHWA

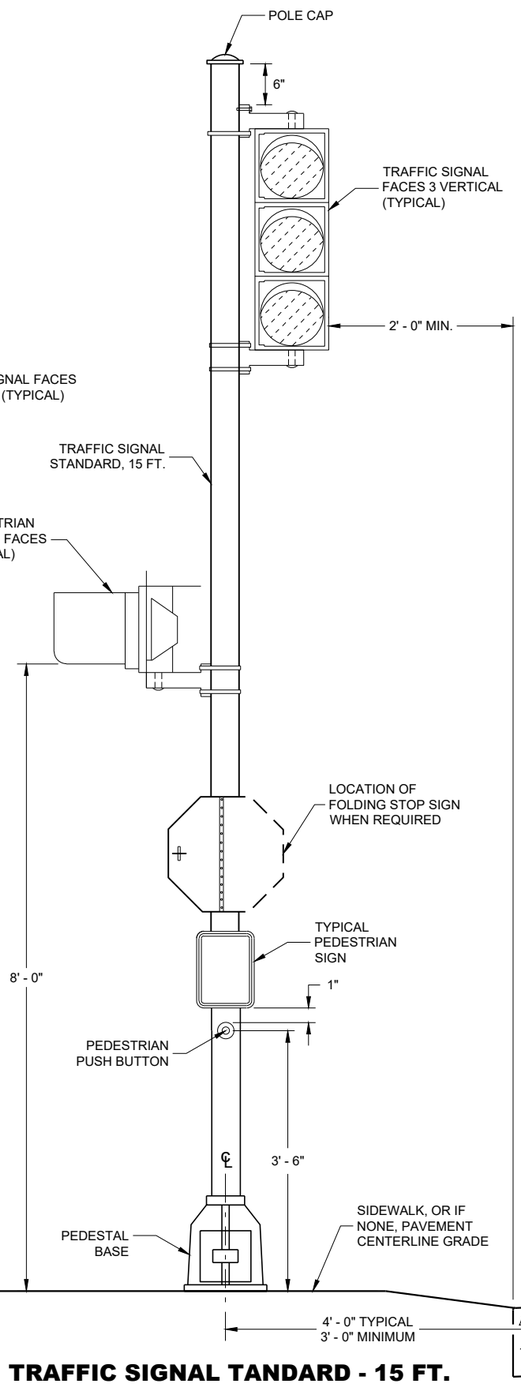
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SDD 09E03 - 06



TRAFFIC SIGNAL STANDARD - 15 FT.



TRAFFIC SIGNAL STANDARD - 13 FT.



TRAFFIC SIGNAL TANDARD - 15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

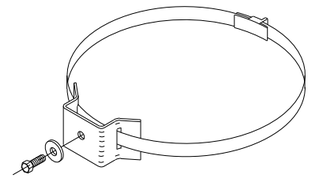
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

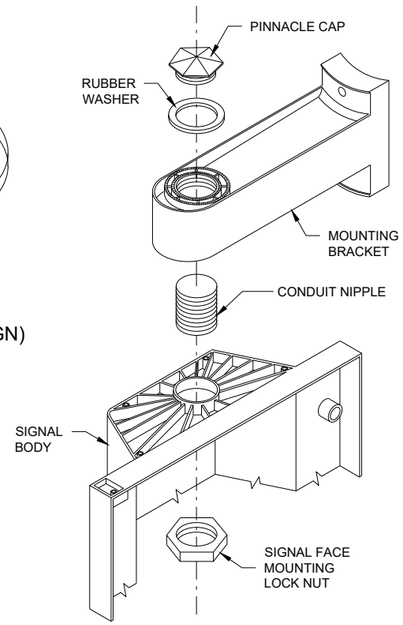
FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



SIGNAL FACE MOUNTING DETAIL (BANDED)

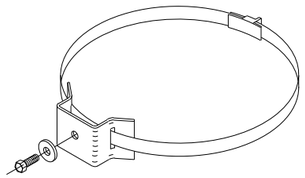
TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

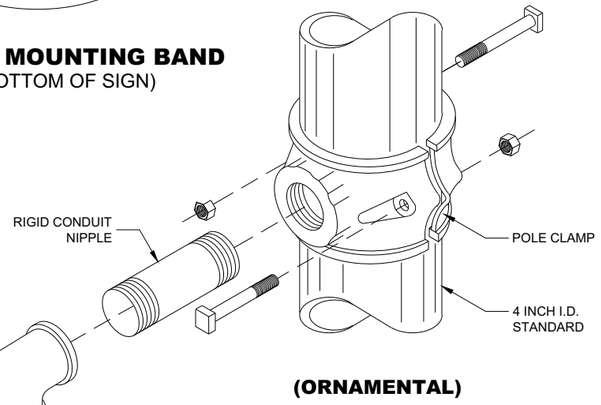
APPROVED
2/28/2013
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 615

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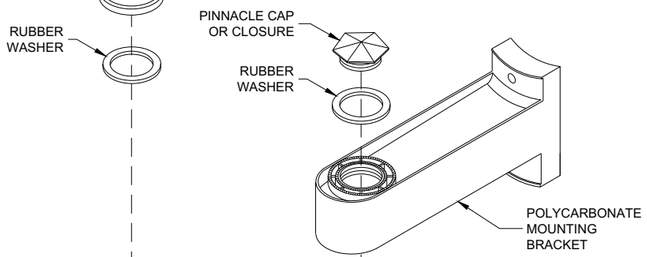
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SDD 09E06 - 05



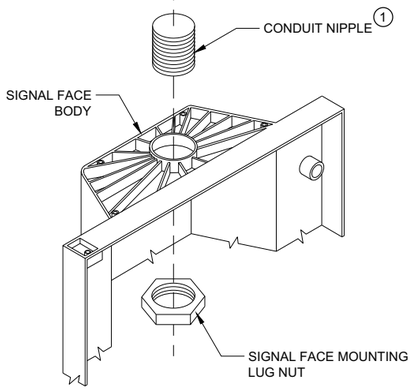
TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



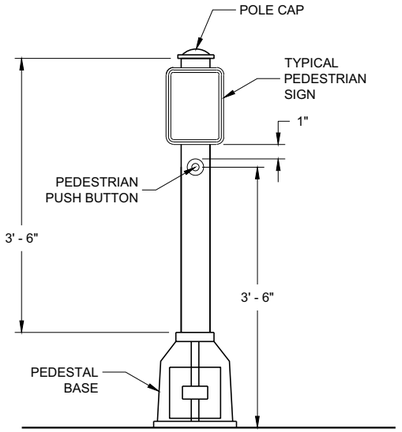
(ORNAMENTAL)



(BANDED)



SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS, UNLESS APPROVED BY THE ENGINEER IN THE FIELD.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

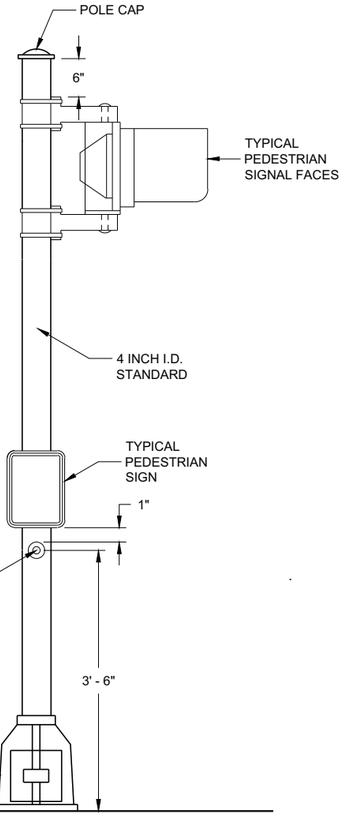
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

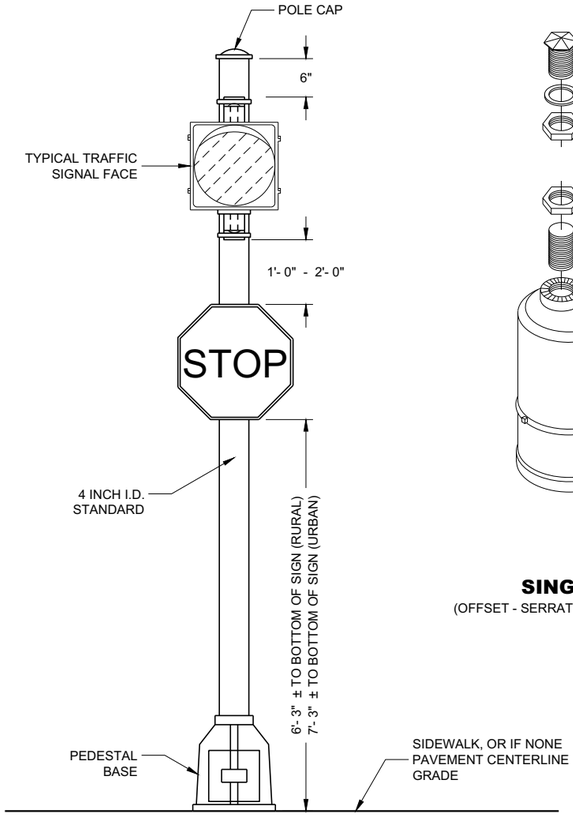
PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

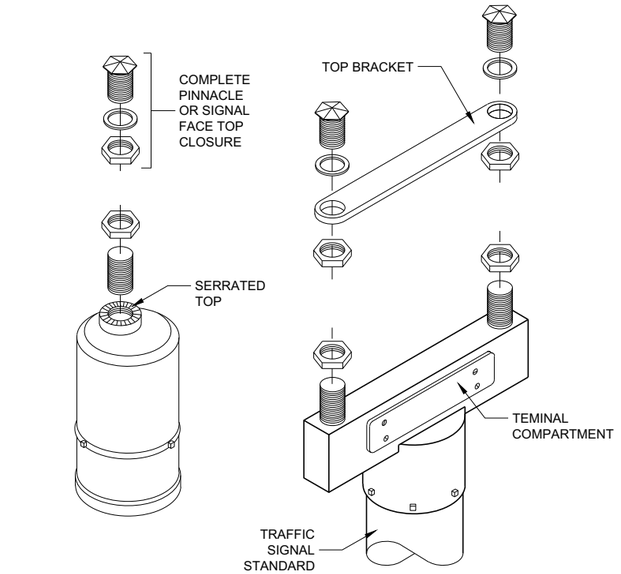
(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACESAND BRACKET ENDS.



PEDESTRIAN FACE STANDARD - 10 FT.
(WALK - DON'T WALK)



STANDARD FLASHER
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED



SINGLE
(OFFSET - SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD
PEDESTRIAN AND FLASHER
TYPICAL MOUNTING DETAILS

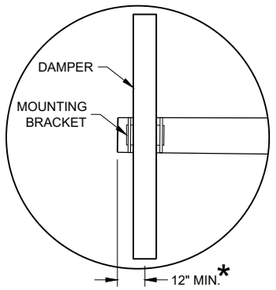
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 616

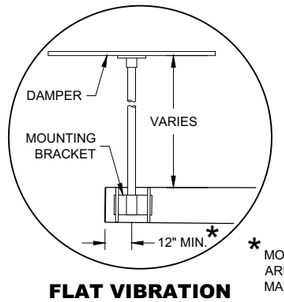
FHWA

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SDD 09E07 - 06

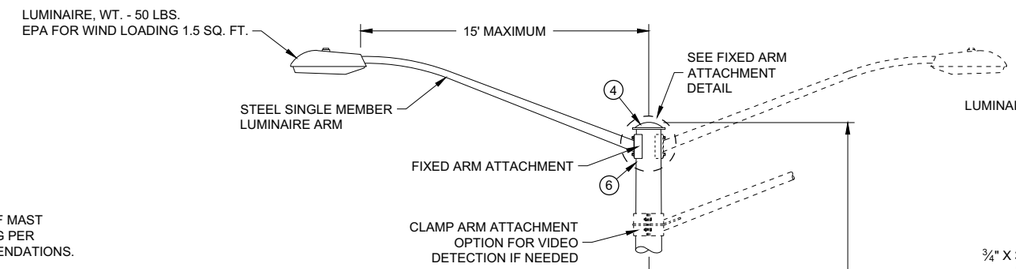


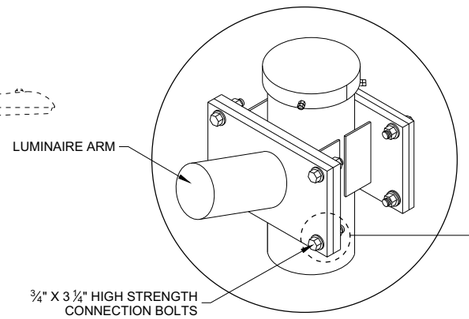
DUMBBELL VIBRATION DAMPER



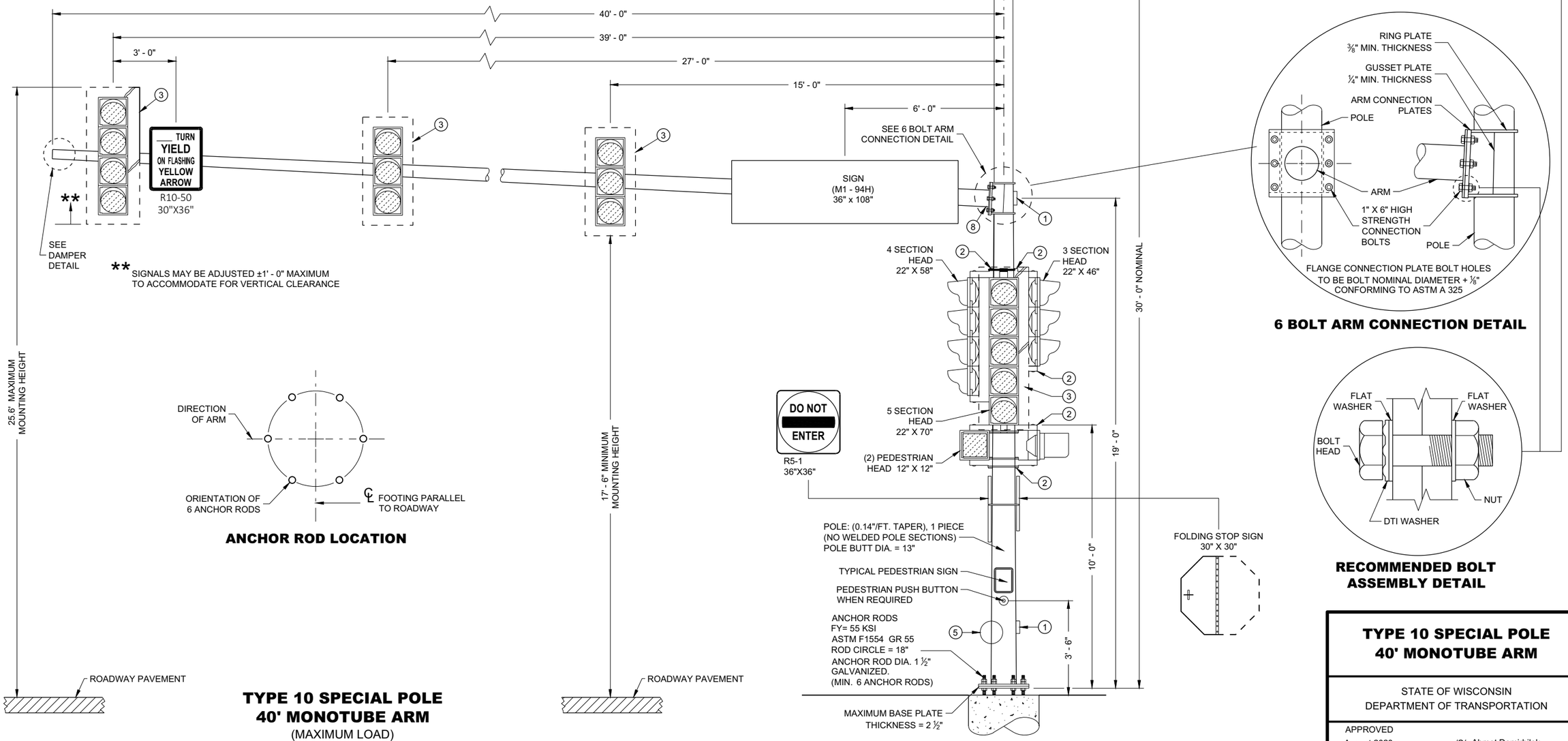
FLAT VIBRATION DAMPER

* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.





FIXED ARM ATTACHMENT DETAIL



** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE

ANCHOR ROD LOCATION

6 BOLT ARM CONNECTION DETAIL

RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 SPECIAL POLE
40' MONOTUBE ARM
(MAXIMUM LOAD)

TYPE 10 SPECIAL POLE
40' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 617

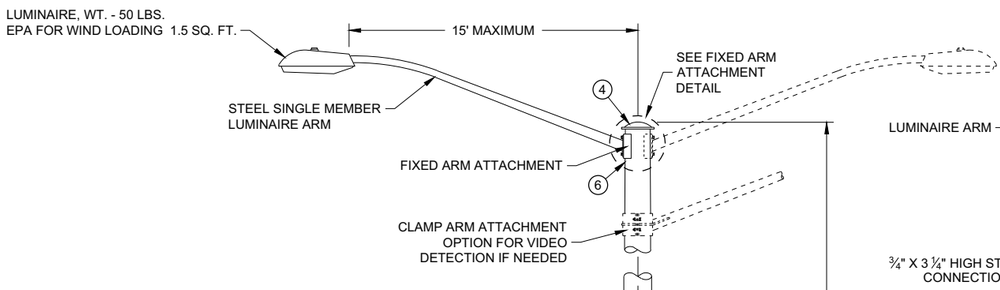
FHWA

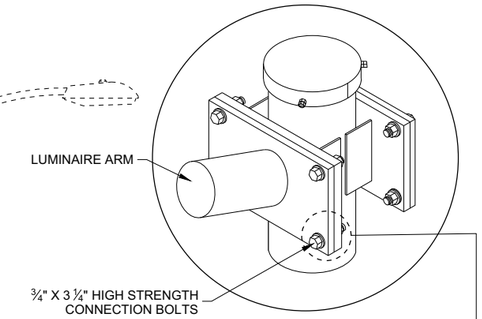
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SDD 09E08 - 09g

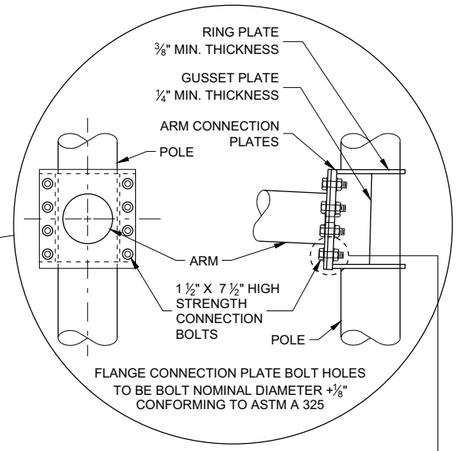
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SDD 09E08 - 09g

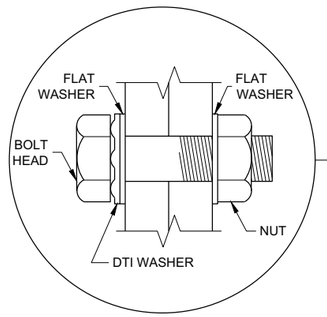




FIXED ARM ATTACHMENT DETAIL



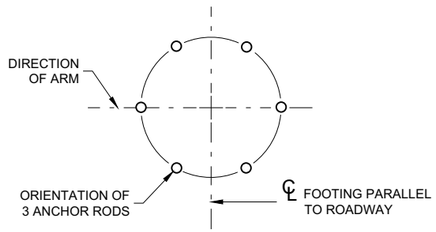
8 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE



ANCHOR ROD LOCATION

TYPE 13 POLE
35' - 55' MONOTUBE ARM
(MAXIMUM LOAD)

TYPE 13 POLE
35' - 55' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

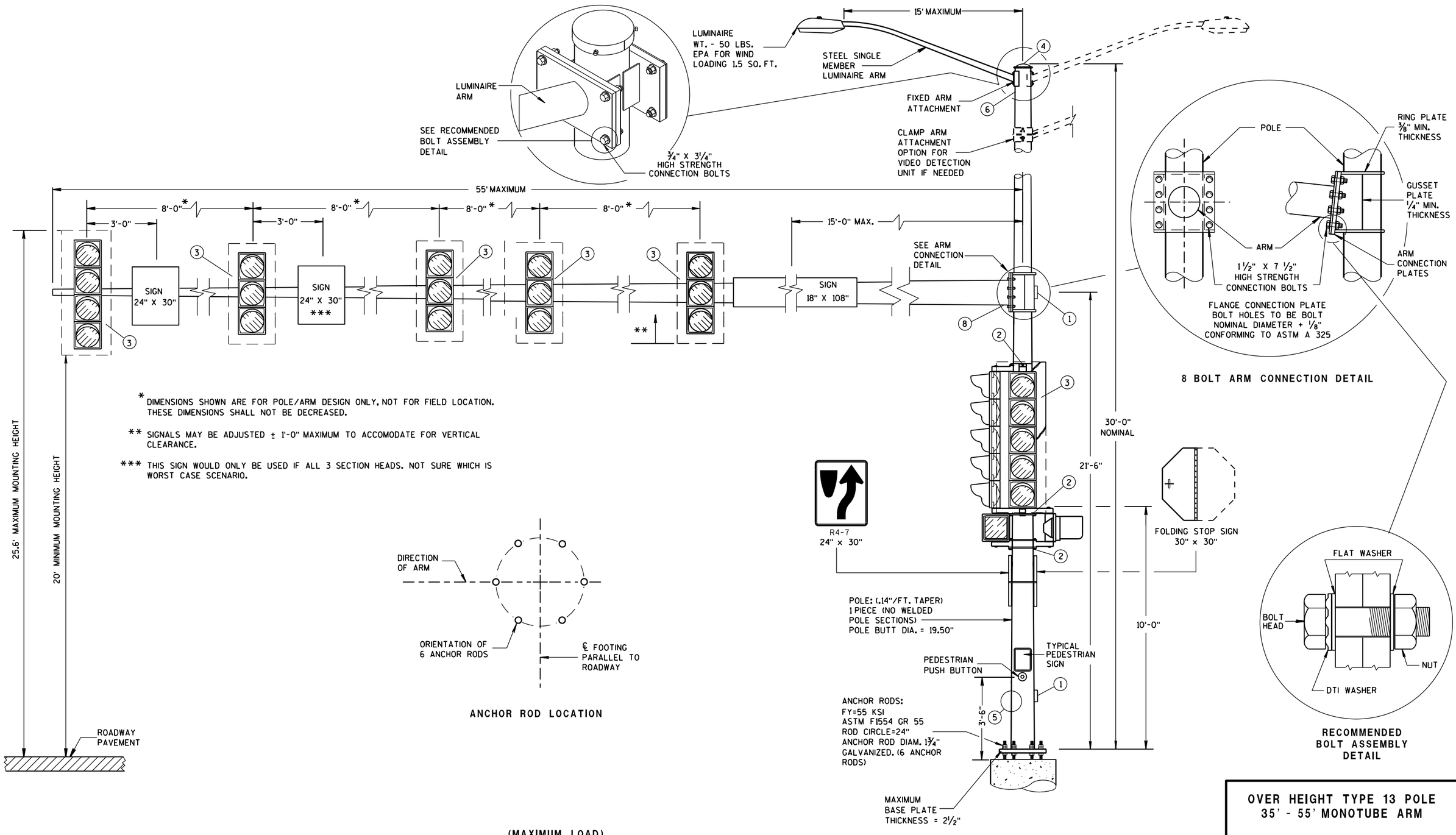
APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 618

FHWA

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SDD 09E08 - 09j



* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY. NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

** SIGNALS MAY BE ADJUSTED ± 1'-0" MAXIMUM TO ACCOMODATE FOR VERTICAL CLEARANCE.

*** THIS SIGN WOULD ONLY BE USED IF ALL 3 SECTION HEADS. NOT SURE WHICH IS WORST CASE SCENARIO.

ANCHOR ROD LOCATION

8 BOLT ARM CONNECTION DETAIL

RECOMMENDED
BOLT ASSEMBLY
DETAIL

(MAXIMUM LOAD)

OVER HEIGHT TYPE 13 POLE
35'- 55' MONOTUBE ARM

OVER HEIGHT TYPE 13 POLE
35' - 55' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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S.D.D. 9 E 12-1d

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

OVER HEIGHT POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15-FOOT TO 30-FOOT.

OVER HEIGHT POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35-FOOT TO 55-FOOT.

MONOTUBE POLE AND ARM SHALL BE GALVANIZED STEEL.

RING-STIFFENED BUILT-UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE (1) PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3 % ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNAL 2015 1ST EDITION (INCLUDING 2017 INTERIM REVISIONS) AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR TRAFFIC AND LIGHTING STRUCTURES AND AS FOLLOWS:

- CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.
- CATEGORY II FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 12 AND TYPE 13 STRUCTURES.
- 90 MPH (3-SECOND GUST) WIND SPEED AND A 50 YEAR DESIGN LIFE.

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" S.S. BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT.

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR AS DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL. MOUNT ALL LIKE HEADS AT SAME ELEVATION.

SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

(1) DESIGN FOR MAXIMUM ALLOWABLE HANDHOLE WITH COVER ASSEMBLY WITH TWO ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

(2) SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING, (SEE SPECIFICATIONS SEC. 658).

(3) SECURELY MOUNT BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS.

(4) THE TOP OF THE POLE SHAFT AND THE END OF THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

(5) FACTORY-WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HANDHOLE, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.

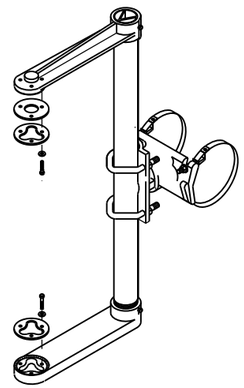
(6) FACTORY-WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

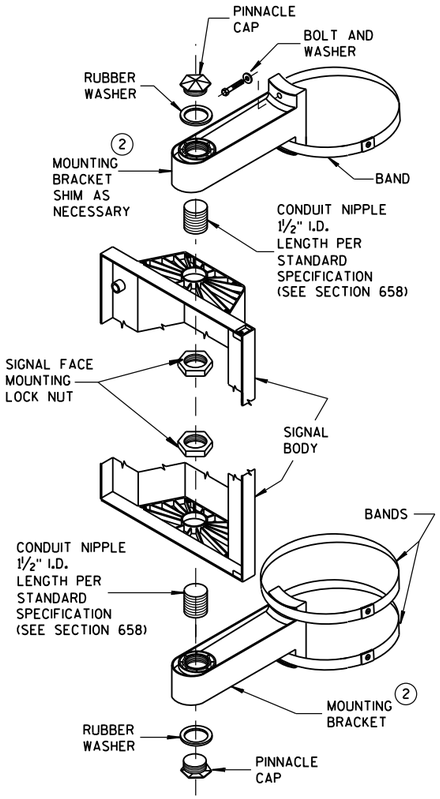
MOUNTING HEIGHT SHALL BE 6'-0" ABOVE THE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

(8) FACTORY DRILLED ½" DRAIN HOLE 2" FROM FLANGE CONNECTION PLATE.

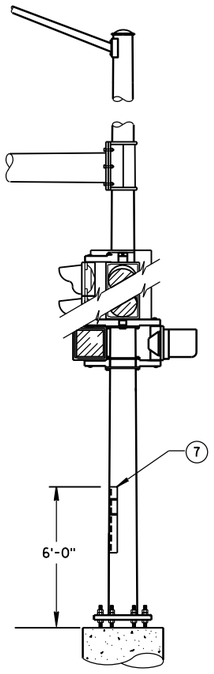


SIGNAL FACE MOUNTING BRACKET DETAIL FOR MONOTUBE ARM

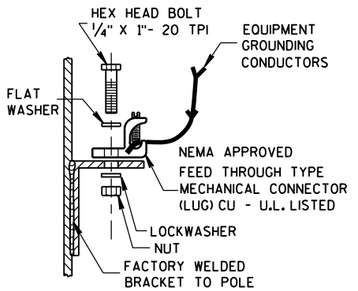
(MOUNT PER MANUFACTURER'S RECOMMENDATION)



SIGNAL FACE VERTICAL MOUNTING DETAIL

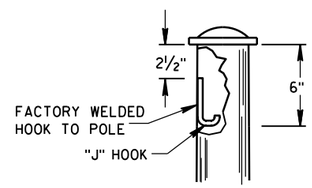


STRUCTURAL IDENTIFICATION PLAQUE PLACEMENT



TYPICAL GROUNDING CONNECTIONS (5)

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



"J" HOOK WIRE SUPPORT (6)

GENERAL NOTES AND HARDWARE DETAILS FOR OVER HEIGHT TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS

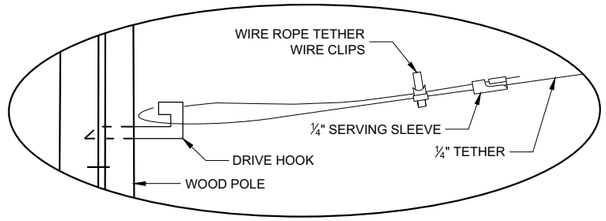
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 E 12-1e

MINIMUM POLE LENGTHS	POLE BURIAL DEPTHS
25'	5'
30'	6'
35'	7'
40'	8'
45'	9'

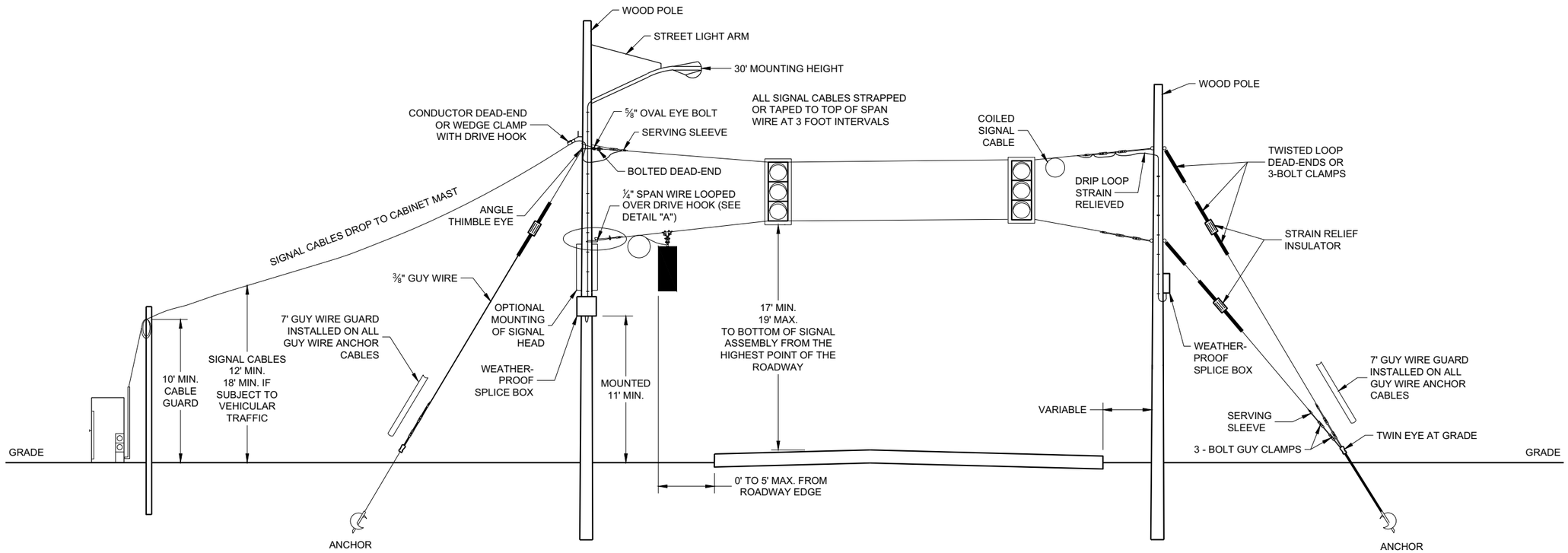


DETAIL "A"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.
2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBLY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
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APPROVED
June 2015 — DATE
/S/ Ahmet Demerbilek — STATE ELECTRICAL ENGI
621

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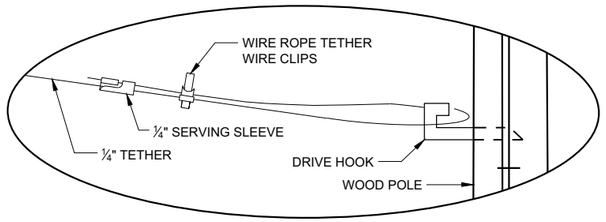
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SDD09G01 - 04a

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SDD09G01 - 04a

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'



DETAIL "A"

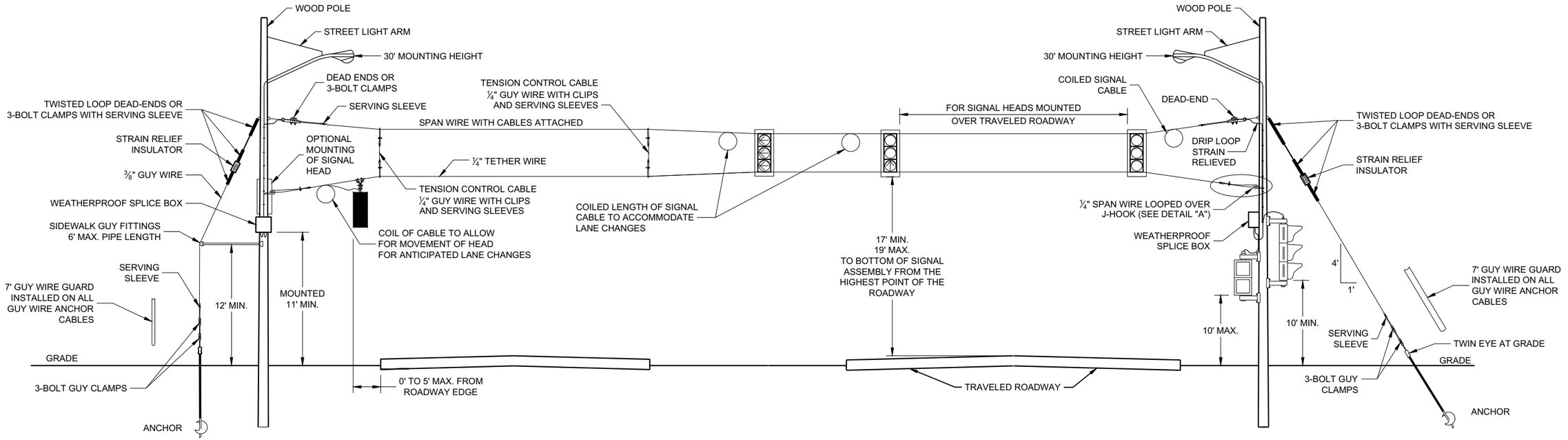
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   - E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.

3. SPAN WIRE:
   - A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED
   - B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   - C. THE SIGNAL ASSEMBLY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

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DEPARTMENT OF TRANSPORTATION

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June 2015
DATE

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STATE ELECTRICAL ENGI 622

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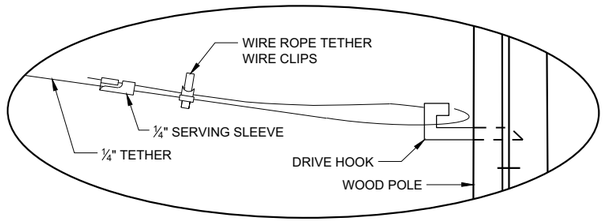
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SDD09G01 - 04b

SDD09G01 - 04b

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

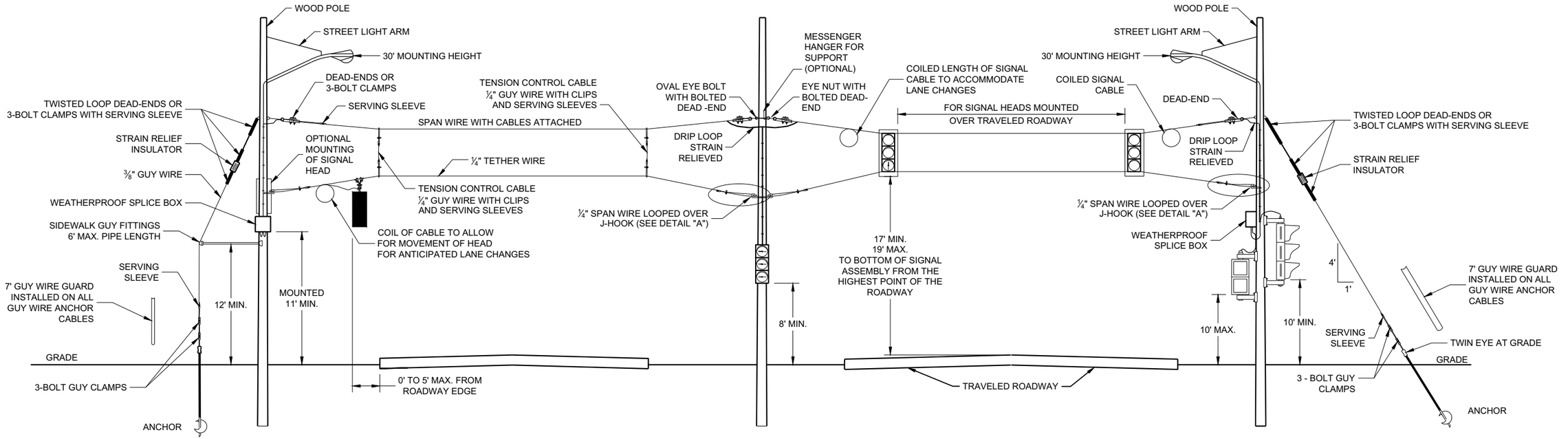


DETAIL "A"

GENERAL NOTES

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SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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June 2015
DATE

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STATE ELECTRICAL ENGI 623

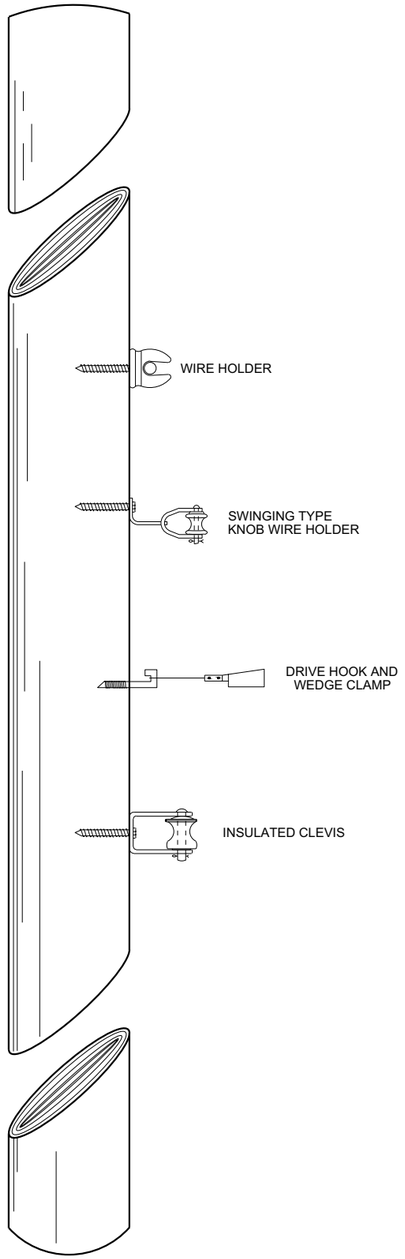
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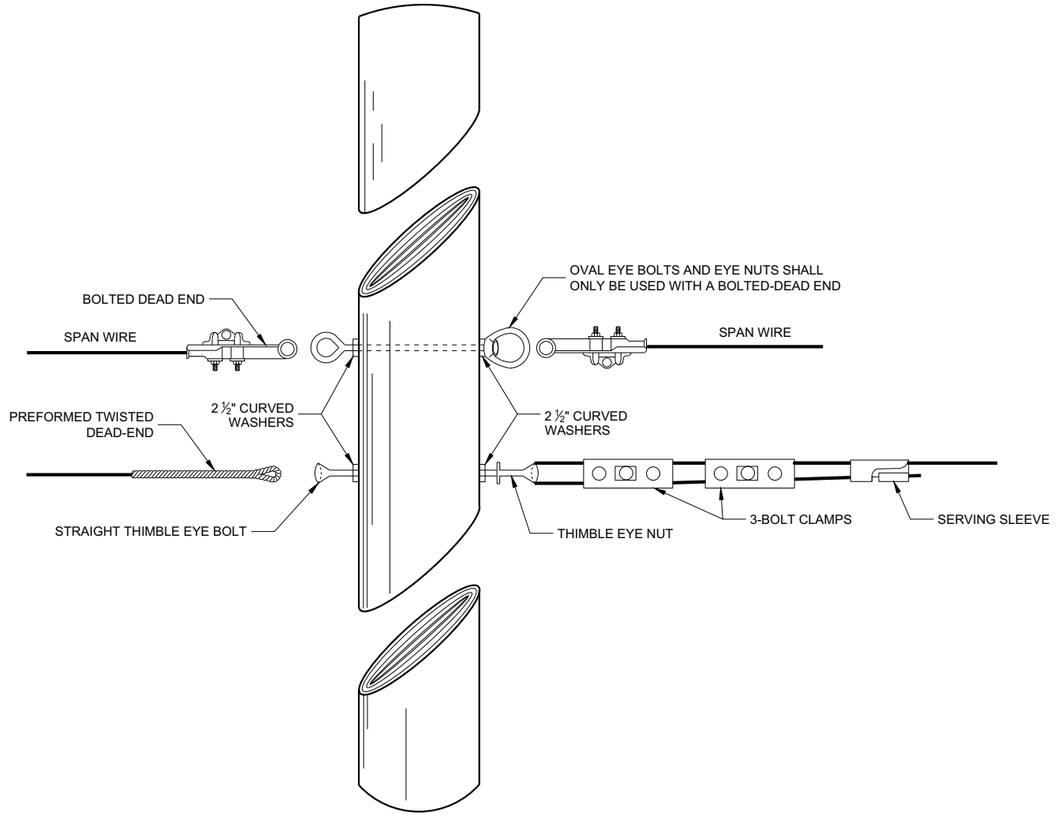
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SDD09G01 - 04c

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SDD09G01 - 04c





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SDD 09G01 - 4d

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2015
DATE

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ROADWAY STANDARDS DEVE ENGINEER

624

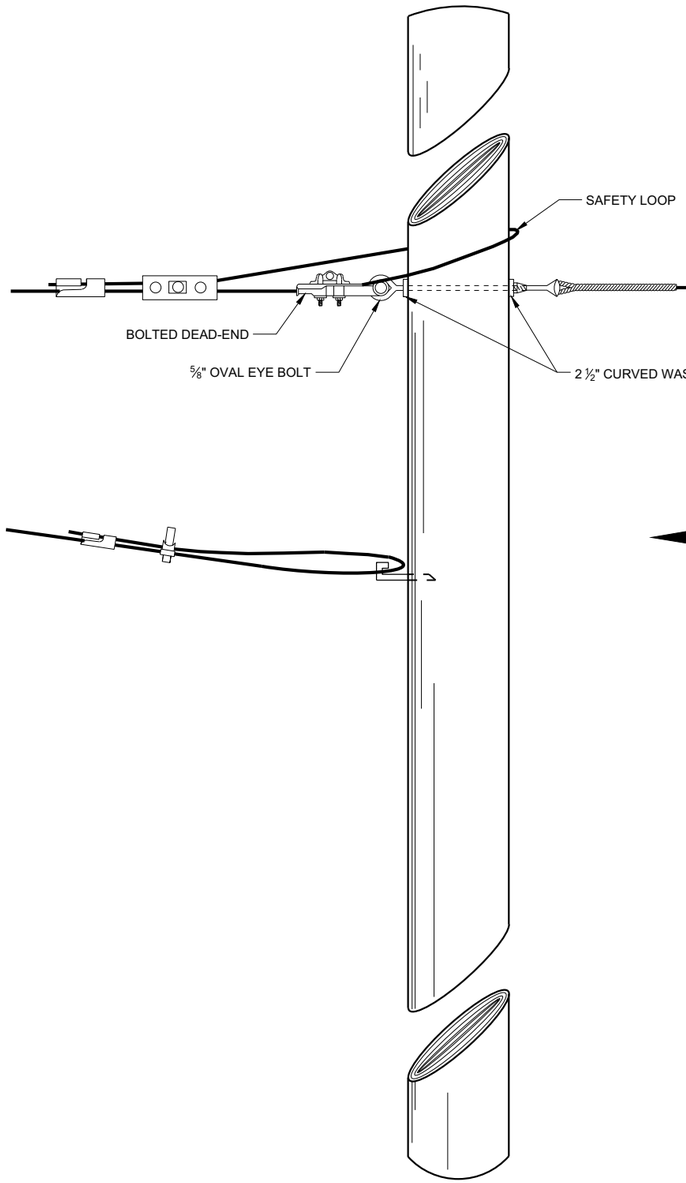
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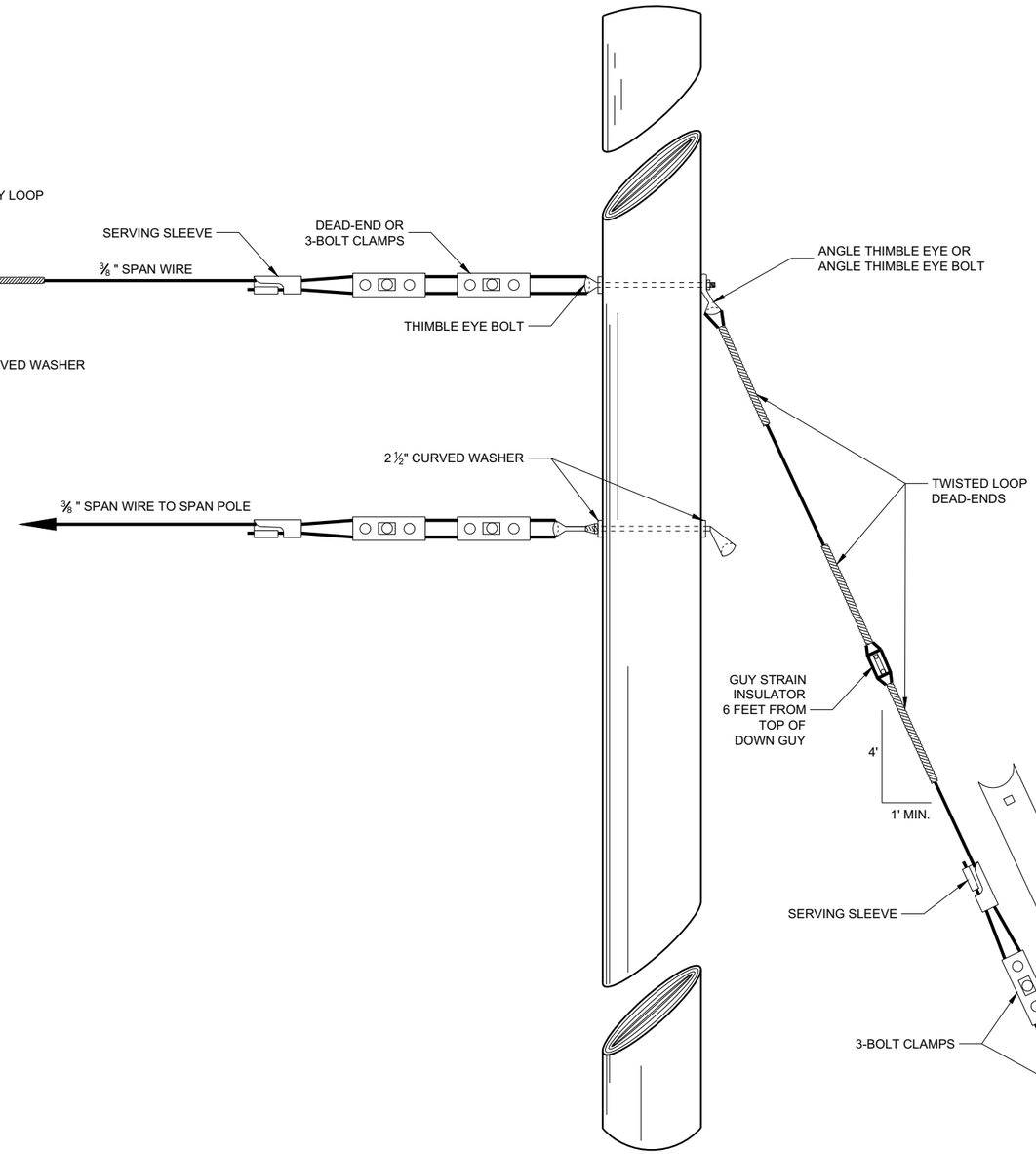
SDD 09G01 - 4d

GENERAL NOTES

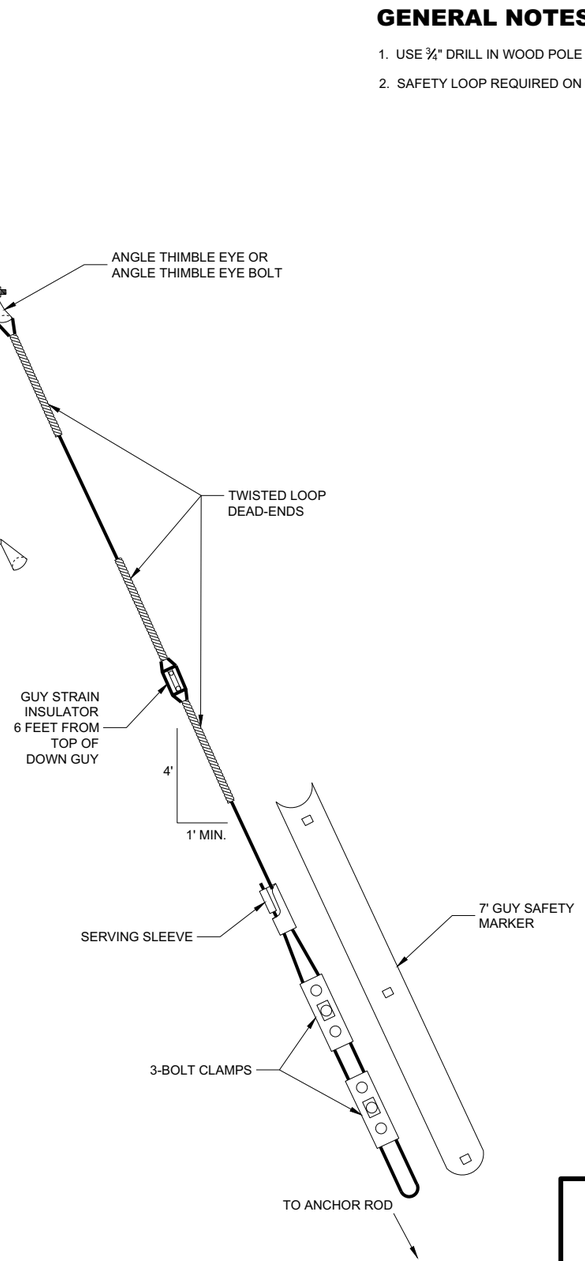
1. USE ¾" DRILL IN WOOD POLE TO PROVIDE FOR ⅝" BOLTS.
2. SAFETY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE



GUY POLE



TYPICAL DEAD-ENDINGS OR GUYING

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

FHWA

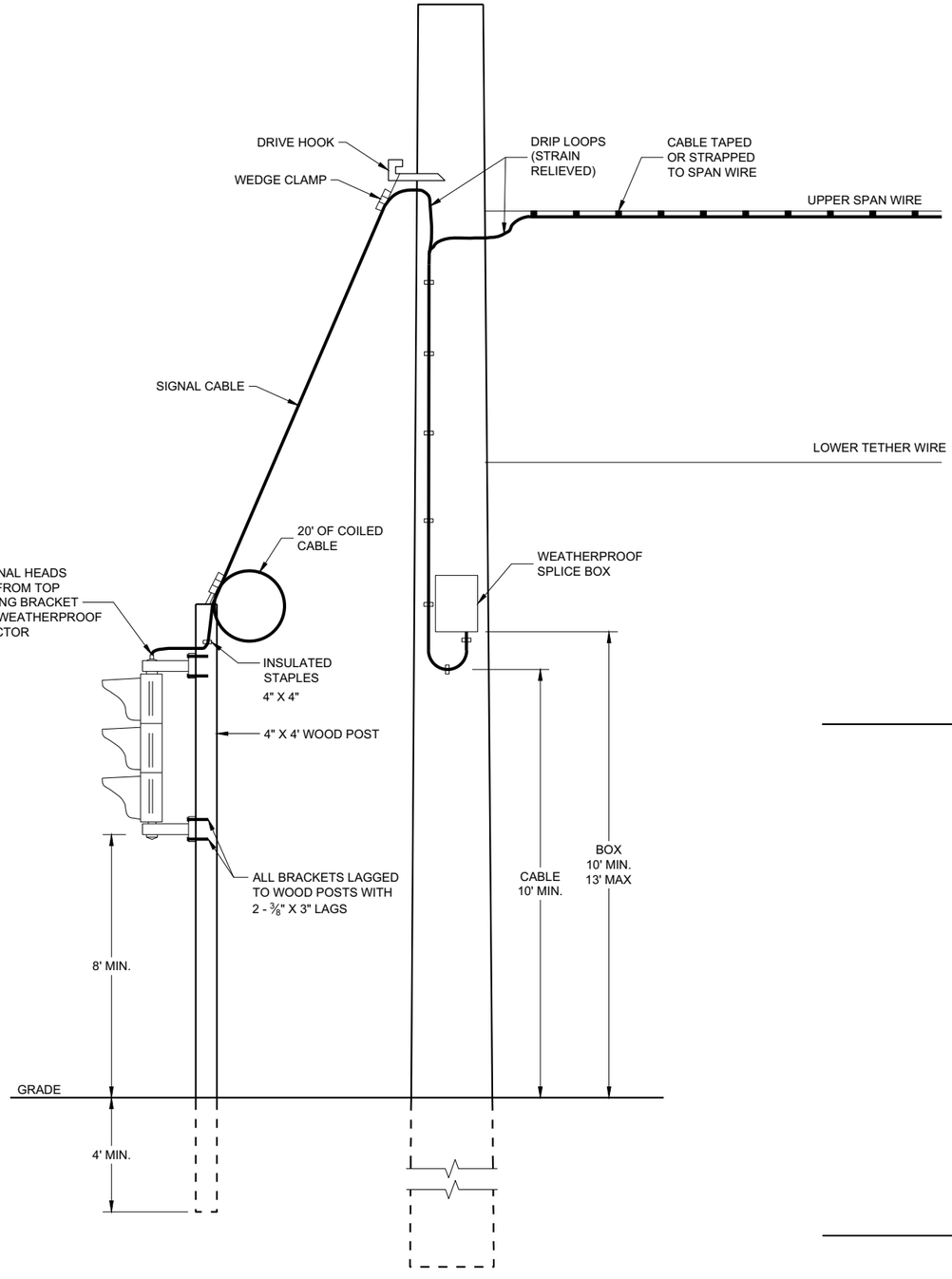
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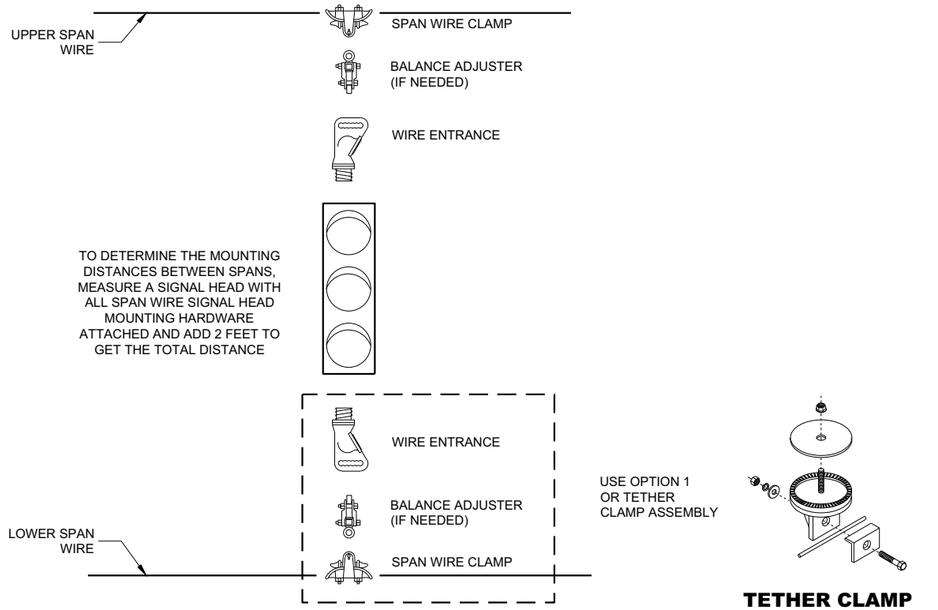
SDD 09G01 - 4e

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SDD 09G01 - 4e



TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL

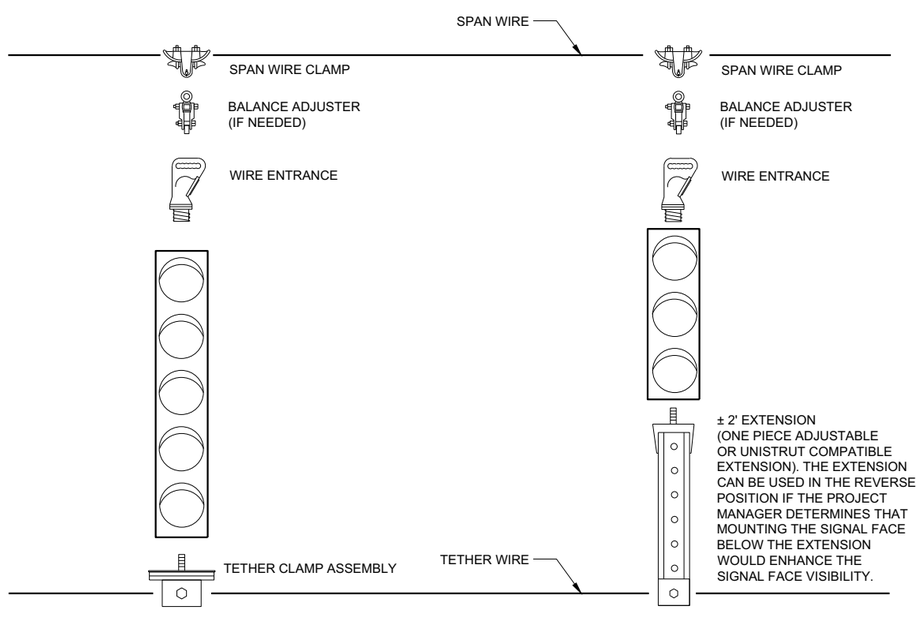


OPTION 1

USE OPTION 1 OR TETHER CLAMP ASSEMBLY

TETHER CLAMP ASSEMBLY OPTION

TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

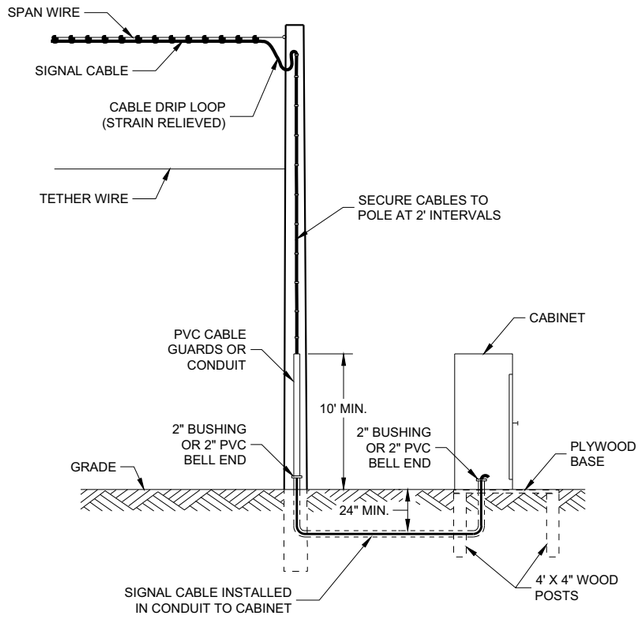
APPROVED
June 2015 — DATE
/S/ Ahmet Demerbilek — ROADWAY STANDARDS DEVE ENGINEER

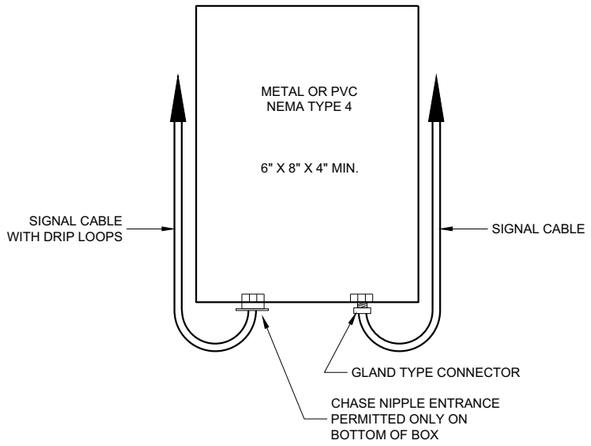
FHWA

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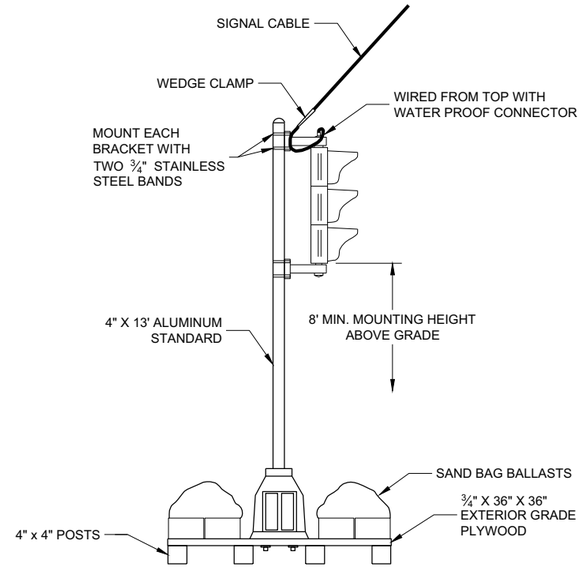
SDD 09G01 - 4f

SDD 09G01 - 4f

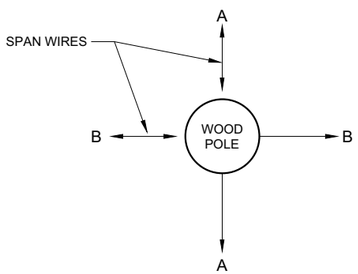




SPLICE BOX

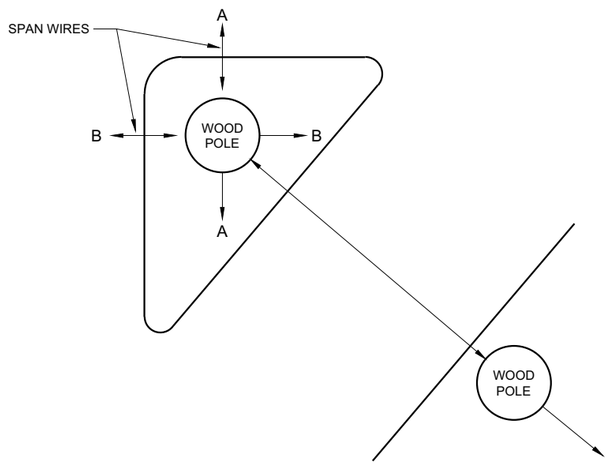


TYPICAL SKID TYPE TEMPORARY

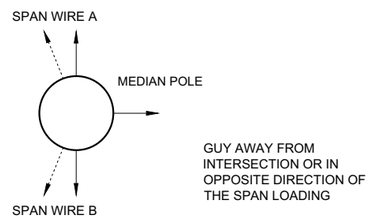


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



GUY AWAY FROM
INTERSECTION OR IN
OPPOSITE DIRECTION OF
THE SPAN LOADING

MEDIAN POLES

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

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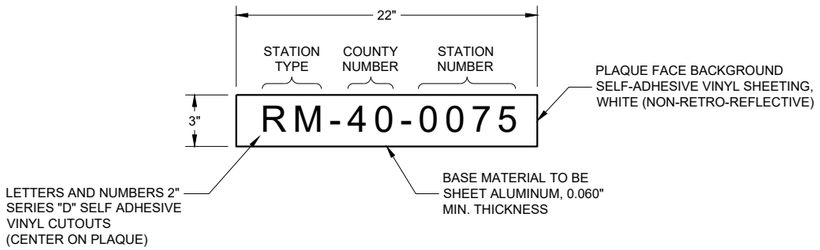
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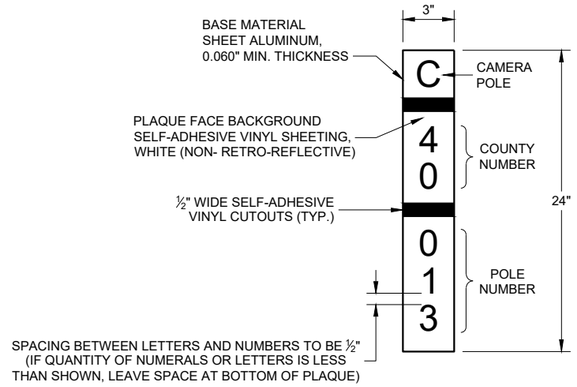
SDD 09G01 - 4g

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SDD 09G01 - 4g



CONTROL CABINET IDENTIFICATION PLAQUE DETAIL



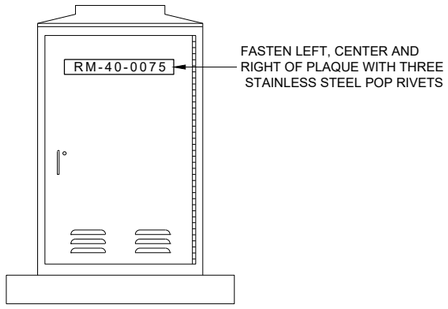
POLE IDENTIFICATION PLAQUE DETAIL

GENERAL NOTES

1. TWO PLAQUES PER CABINET REQUIRED ON CONTROL CABINET.
2. FASTEN ONE PLAQUE ON FRONT DOOR, UPPER HALF.
3. FASTEN ONE PLAQUE ON SIDE FACING LOCAL STREET. IF NO LOCAL STREET NEARBY, OR IF SUCH LOCATION COINCIDES WITH LOCATION OF PLAQUE IN NOTE 2 , FASTEN PLAQUE ON REAR OF CABINET, UPPER HALF.
4. COUNTY NUMBER NOT REQUIRED ON RAMP METER CABINETS.

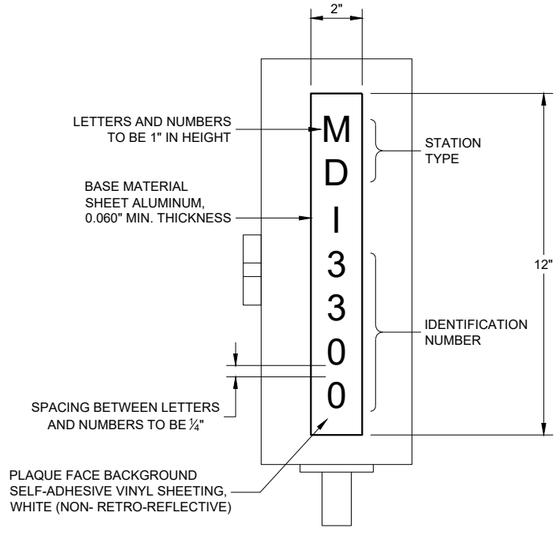
LEGEND STATION TYPE

RM - RAMP METER
CCTV - CLOSED CIRCUIT TELEVISION
ATR - AUTOMATIC TRAFFIC RECORDER
SDS - SYSTEM DETECTOR STATION
MD - MICROWAVE DETECTOR



CONTROL CABINET IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENTS

(TYPICAL ALL CONTROL CABINETS)



MICROWAVE DETECTOR FIELD CABINET IDENTIFICATION PLAQUE DETAIL

IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

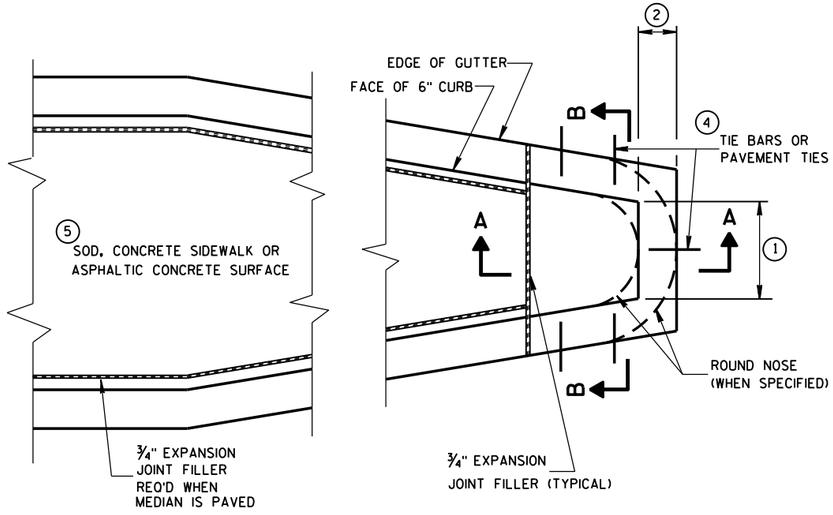
APPROVED
September 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 628
FHWA

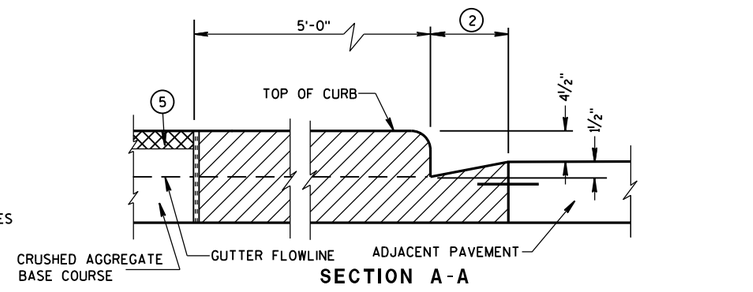
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SDD 09H11 - 01

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SDD 09H11 - 01





CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

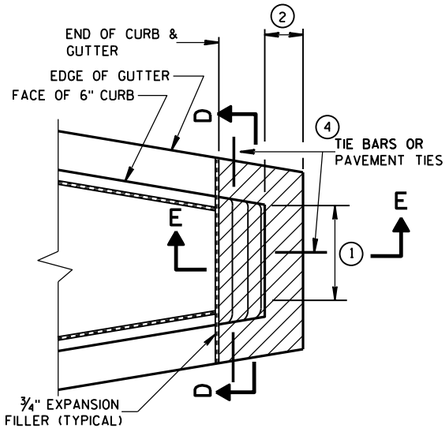
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

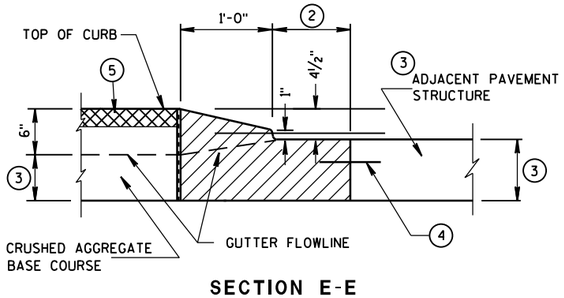
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

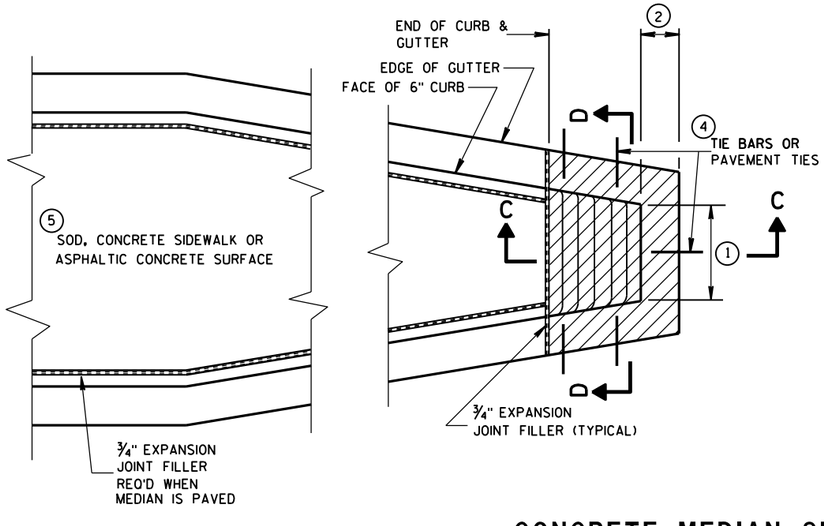
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

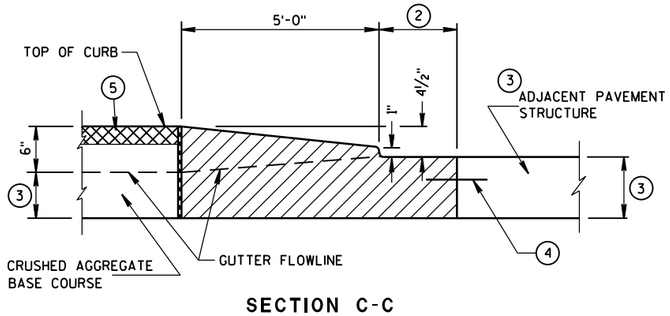




SECTION E-E

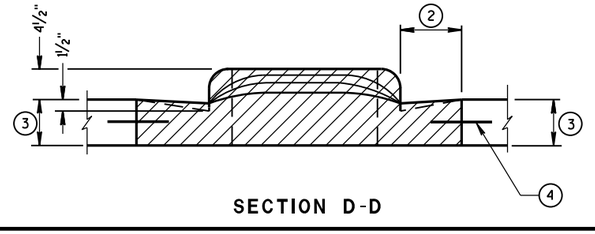
CONCRETE MEDIAN SLOPED NOSE TYPE 2





SECTION C-C

CONCRETE MEDIAN SLOPED NOSE TYPE 1



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

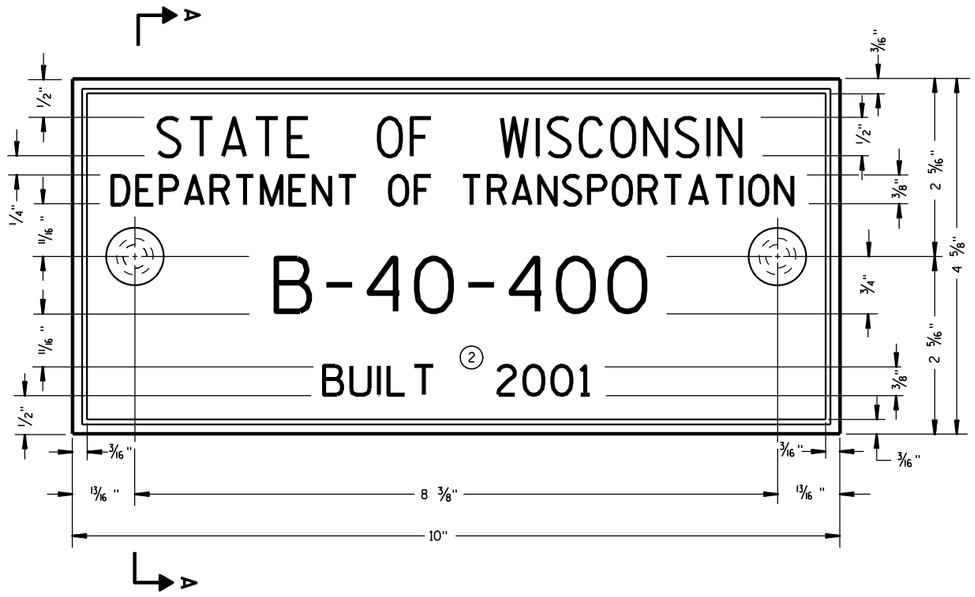
APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS D ENGINEER
FHWA

6

S.D.D. 11 B 2-2

6

S.D.D. 11 B 2-2



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)

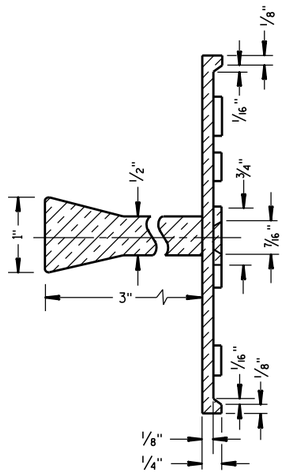
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

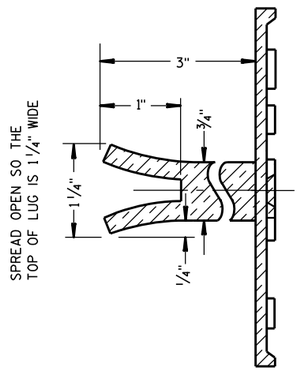
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG

FOR MULTI-UNIT STRUCTURES LINE 3 ABOVE SHALL READ

B = BRIDGE
C = CULVERT
R = RETAINING WALL

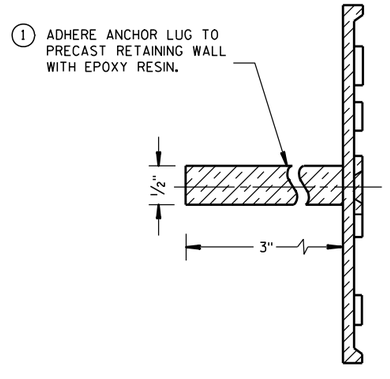
COUNTY NO.

BRIDGE NO.

UNIT NO. FOR MULTIPLE UNIT BRIDGE

B-40-400-1A

NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES



ALTERNATE LUG
(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

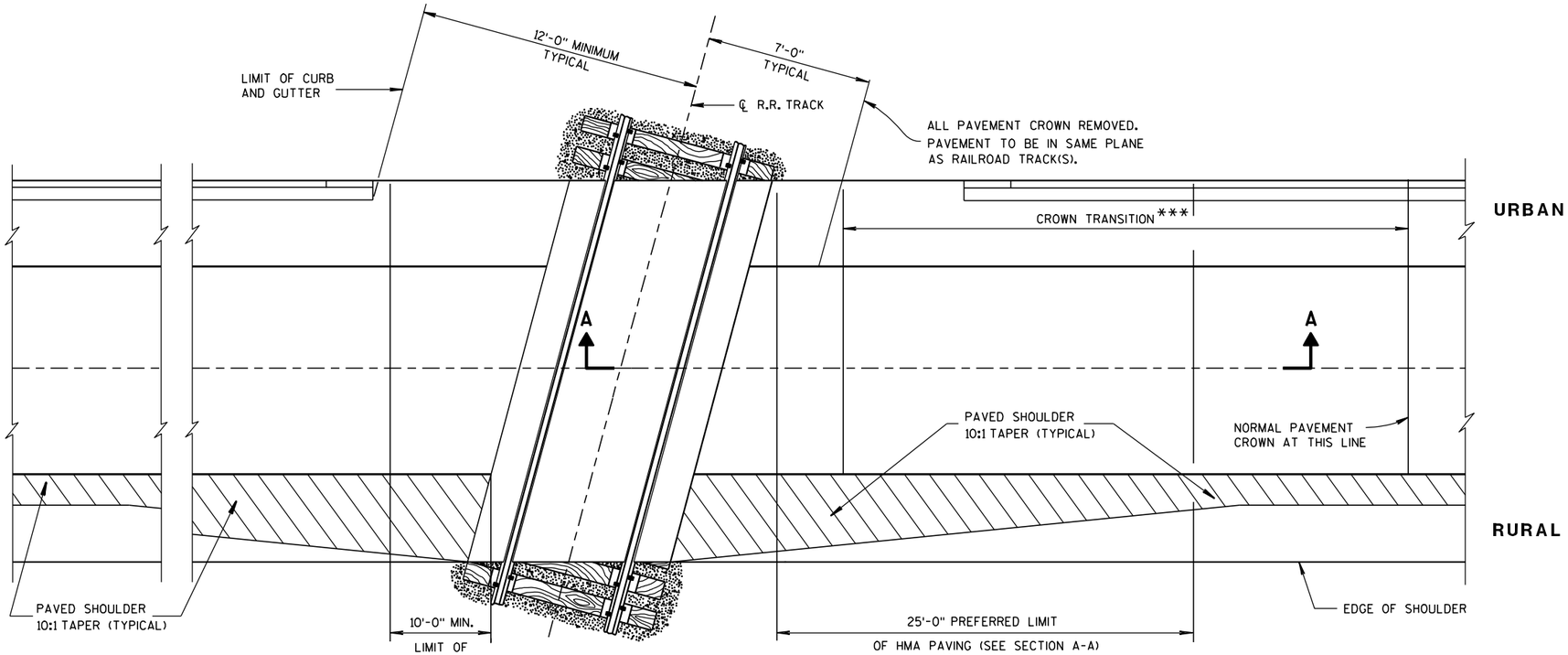
3/26/10 DATE

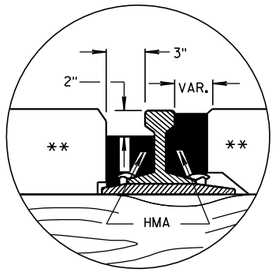
/S/ Scot Beck -- CHIEF STRUCTURAL DEVELOP 630 ENGINEER

FHWA

6

S.D.D. 12 A 3-10





DETAIL B

HMA FLANGEWAY AND FIELD FILLERS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TIMBER, CONCRETE OR RUBBER CROSSING SURFACE MATERIAL, RAILS, TIES, BALLAST, GEOTEXTILE FABRIC AND CROSSING DRAINAGE SYSTEM BY OTHERS UNLESS OTHERWISE PROVIDED.

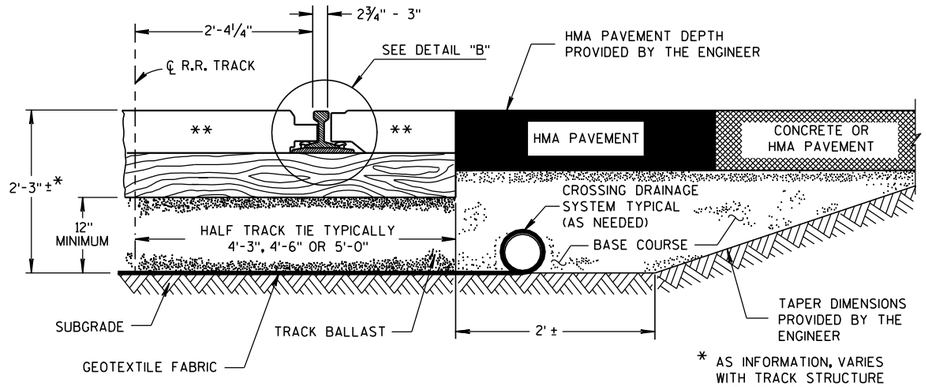
HMA PAVEMENT APPROACHES AND HMA PAVEMET CROSSING SURFACES TO BE PLACED BY CONTRACTOR UNLESS OTHERWISE PROVIDED.

HMA FLANGEWAY AND FIELD FILLERS TO BE PLACED AND THOROUGHLY HAND COMPACTED BY THE CONTRACTOR WHEN NOT PROVIDED BY OTHERS. SEE DETAIL B. HMA FILLERS NOT REQUIRED WHEN RUBBER FILLERS ARE PROVIDED.

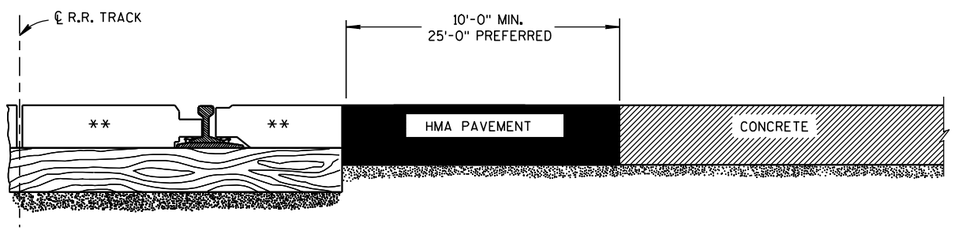
HMA PAVEMENT SHALL BE ROLLED PARALLEL TO THE TRACK.

** CROSSING SURFACE MAY BE TIMBER, RUBBER, CONCRETE, HMA PAVEMENT OR A COMBINATION OF SUCH MATERIALS.

*** CROWN TRANSITION LENGTH SHOWN ELSEWHERE IN THE PLAN.

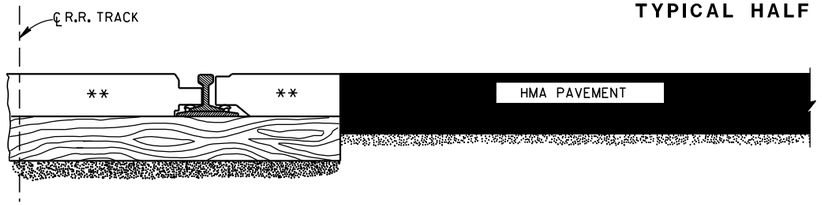


TYPICAL HALF SECTION



SECTION A-A

CONCRETE PAVEMENT APPROACH



SECTION A-A

HMA PAVEMENT APPROACH

EXAMPLES OF PAVEMENT APPROACHES

PAVEMENT DETAILS FOR RAILROAD APPROACH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

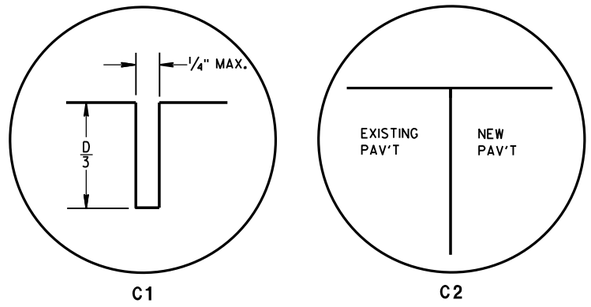
APPROVED
8-28-09 DATE
/S/ Ronald E. Adams
CHIEF, RAILROADS & HAI 631 CTION
FHWA

6

S.D.D. 13 B 1-10

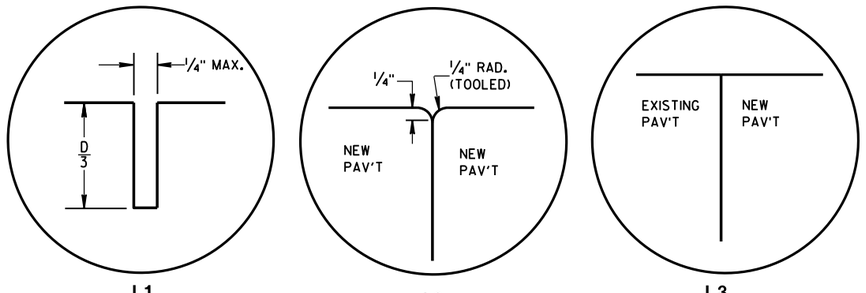
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S.D.D. 13 B 1-10



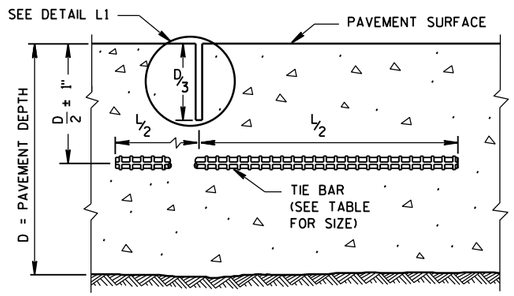
C1 C2

TRANSVERSE JOINTS



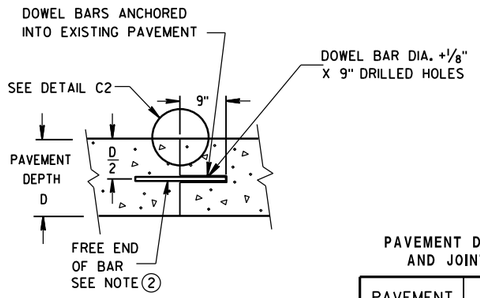
L1 L2 L3

LONGITUDINAL JOINTS



SECTION C-C

SAWED JOINT



SECTION D-D

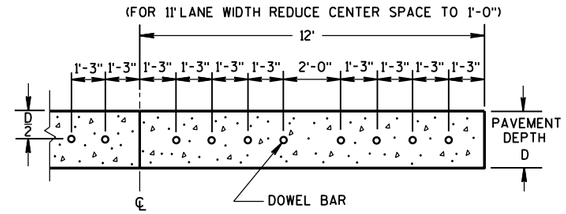
GENERAL NOTES

ANCHOR TIE BARS AND DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY.

PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM AN EXISTING TRANSVERSE JOINT OR THE EDGE OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

(2) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.



SECTION E-E

SPACING OF DOWEL BARS ANCHORED INTO EXISTING PAVEMENT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

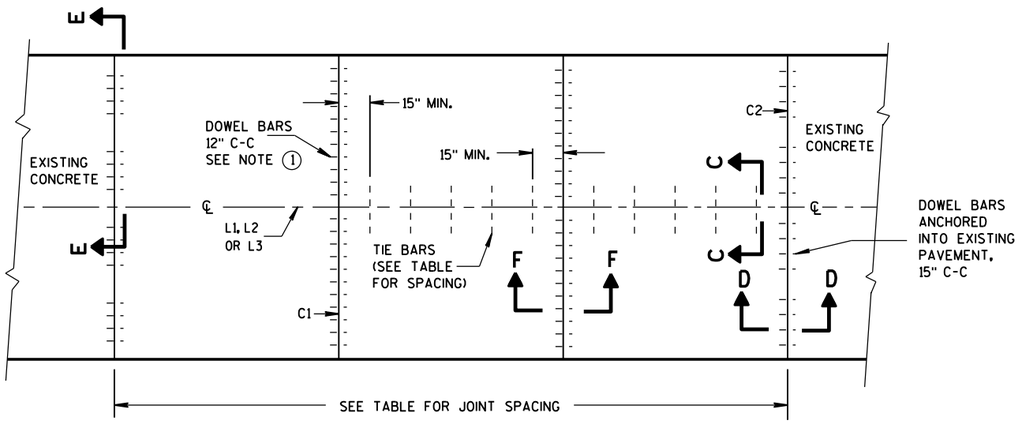
PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5½", 6, 6 ½"	NONE	12'
7, 7 ½"	1"	14'
8, 8 ½"	1 ¼"	15'
9, 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

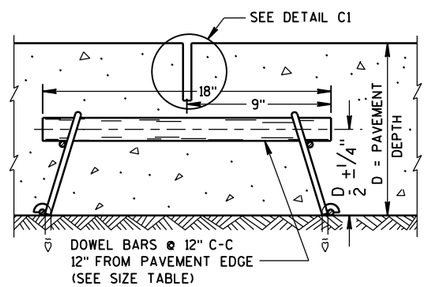
* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW

CONCRETE BASE CONTRACTION JOINT LOCATIONS



SECTION F-F

CONTRACTION JOINT

CONCRETE BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 632

S.D.D. 13 C 15-6a

S.D.D. 13 C 15-6a

6

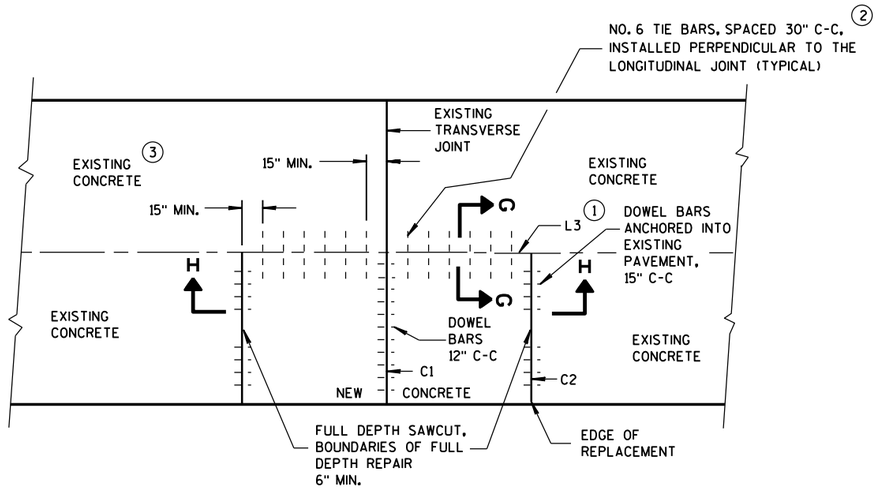
6

GENERAL NOTES

(1) USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) AT THE LONGITUDINAL JOINT IN LIEU OF TIE BARS FOR SINGLE LANE CONCRETE BASE REPAIRS UP TO 15 FEET IN LENGTH.

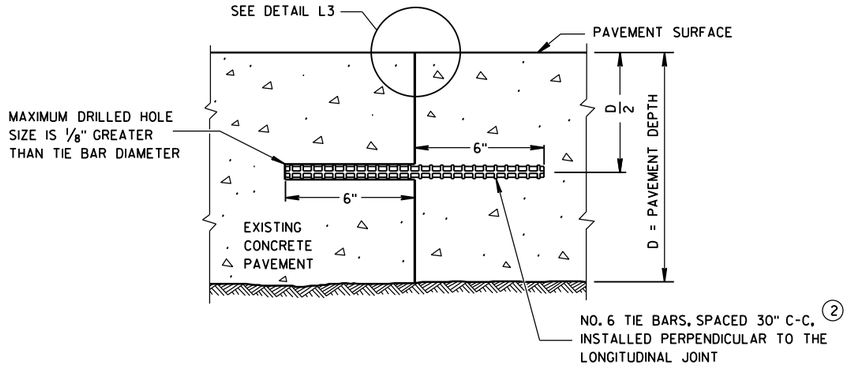
(2) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(3) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.



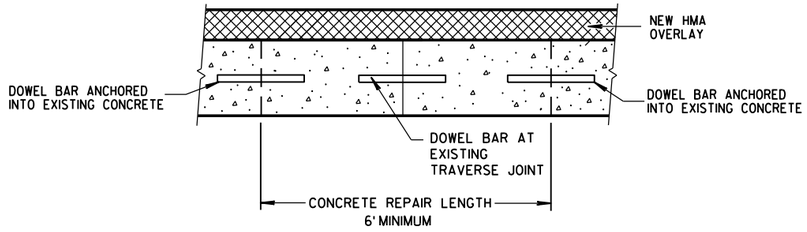
PLAN VIEW

SINGLE LANE CONCRETE BASE REPAIR



SECTION G-G

TIE BARS ANCHORED INTO EXISTING PAVEMENT



SECTION H-H

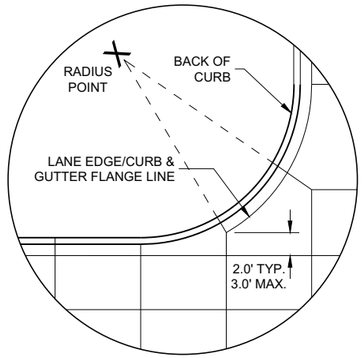
CONCRETE BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

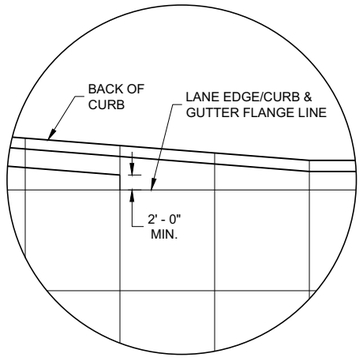
APPROVED
June, 2015 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPEI
FHWA

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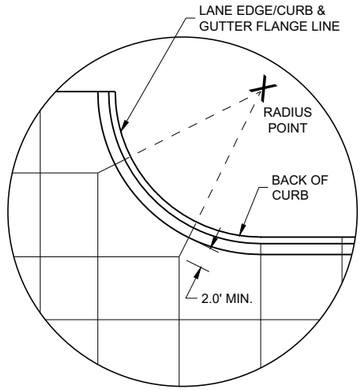
S.D.D. 13 C 15-6b



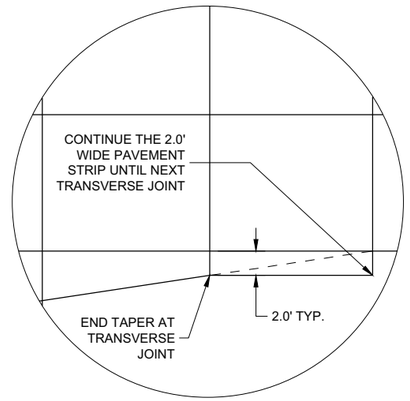
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

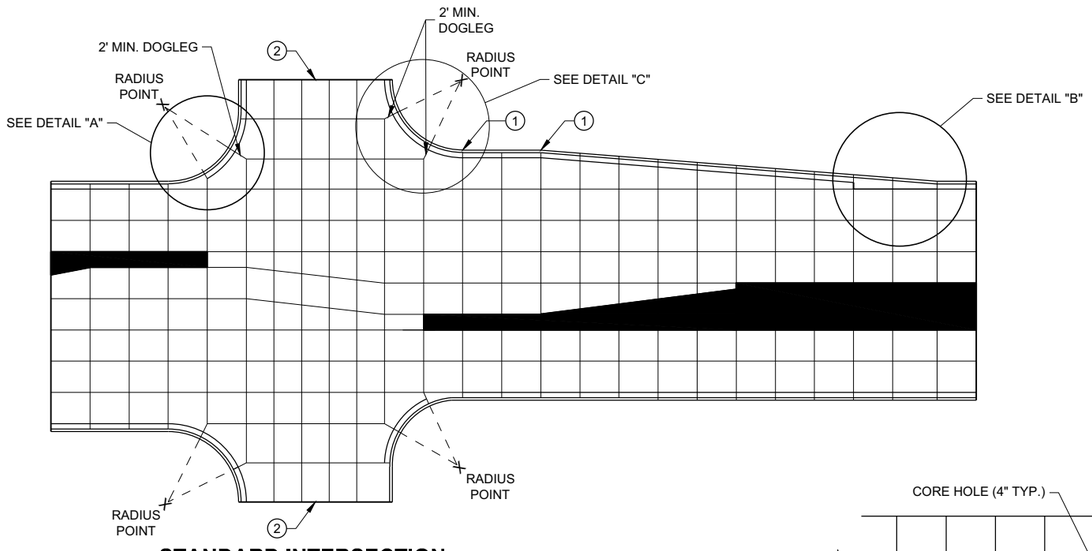
AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.

(2) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITHEDGE OF RADIUS.

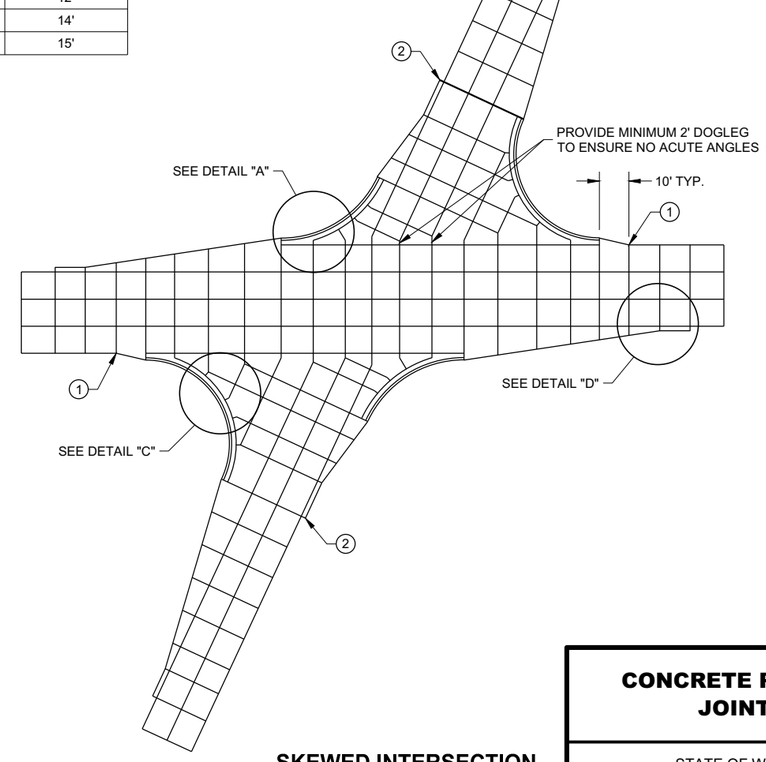
(3) THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



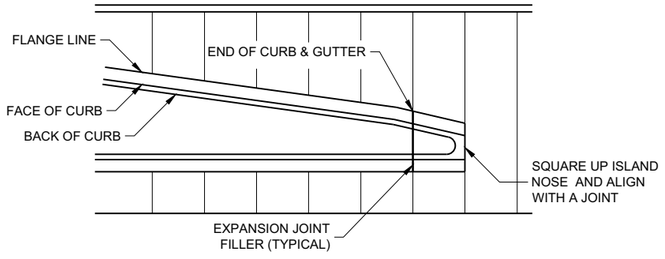
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

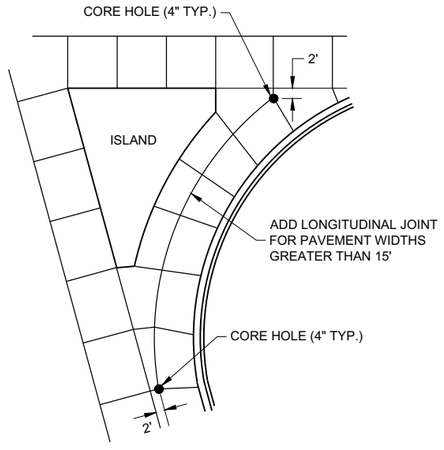
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

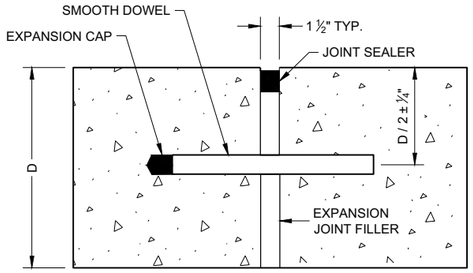
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

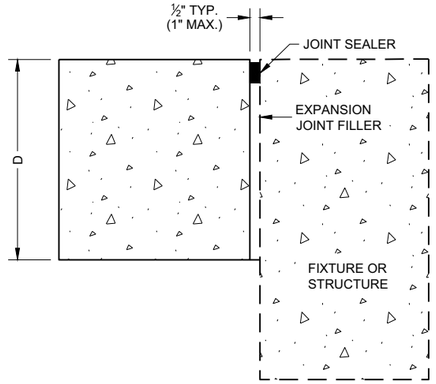
SDD 13C18 - 07a

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SDD 13C18 - 07a



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

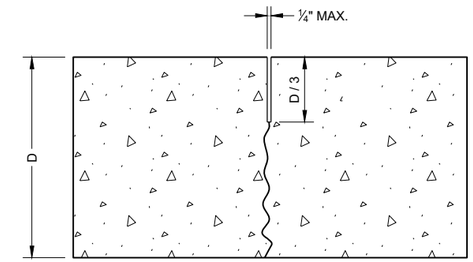
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

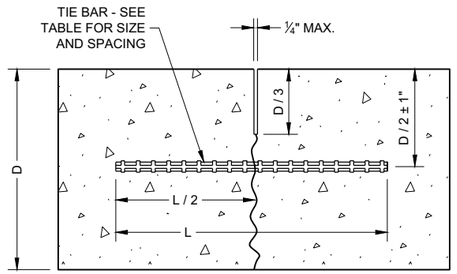
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

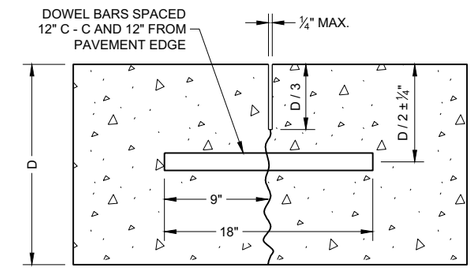
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

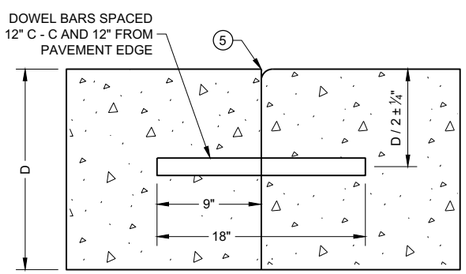


TIED LONGITUDINAL

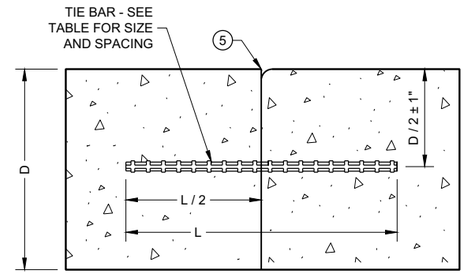


DOWELED TRANSVERSE

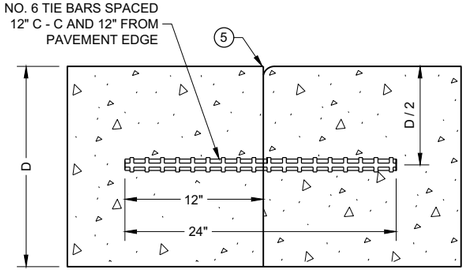
CONTRACTION JOINTS (2)



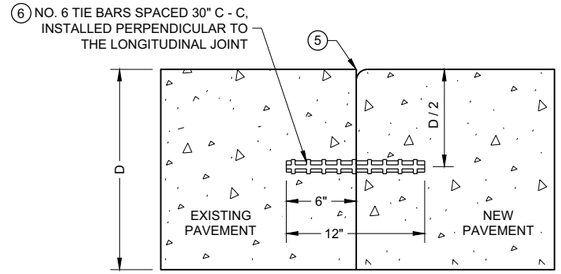
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



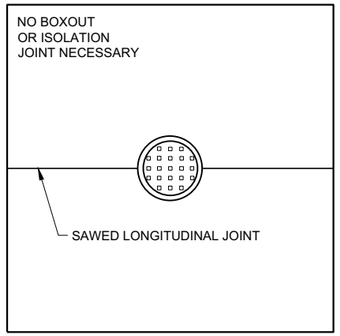
TIED LONGITUDINAL TO EXISTING

CONSTRUCTION JOINTS (4)

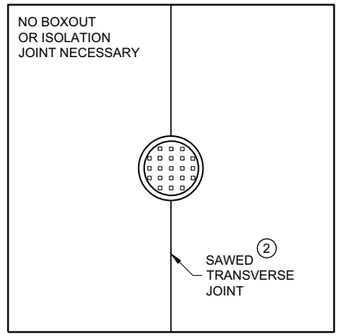
CONCRETE PAVEMENT JOINT TYPES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

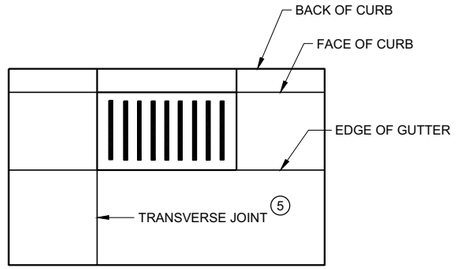
6
SDD 13C18 - 07c



MANHOLE WITH LONGITUDINAL JOINT



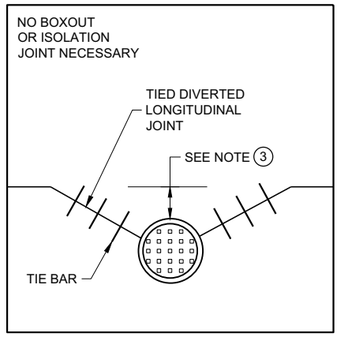
MANHOLE WITH TRANSVERSE JOINT



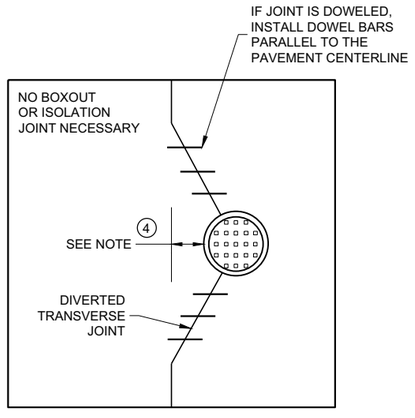
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

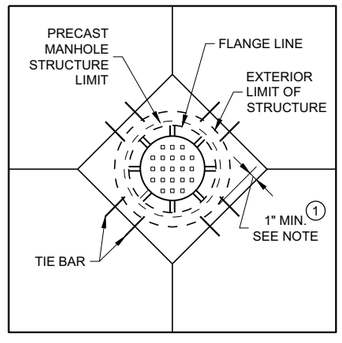
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

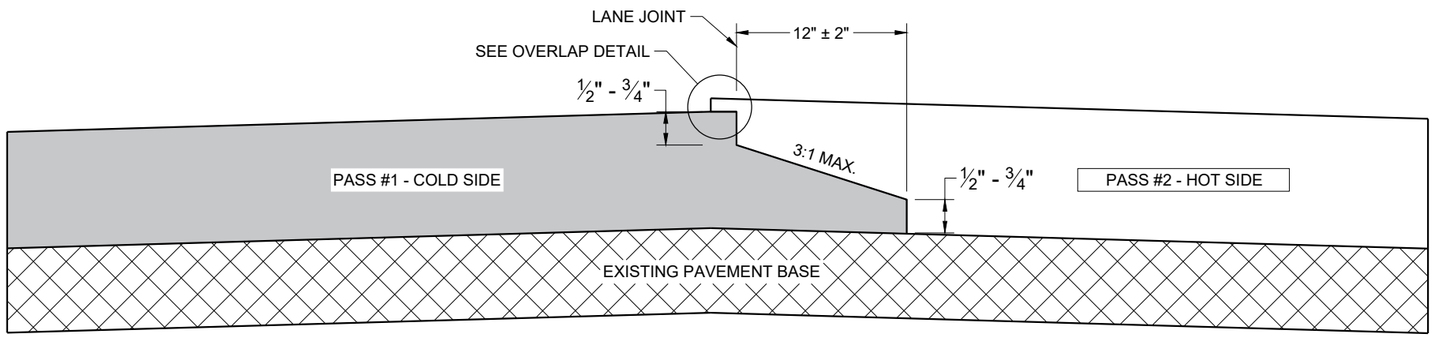
APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

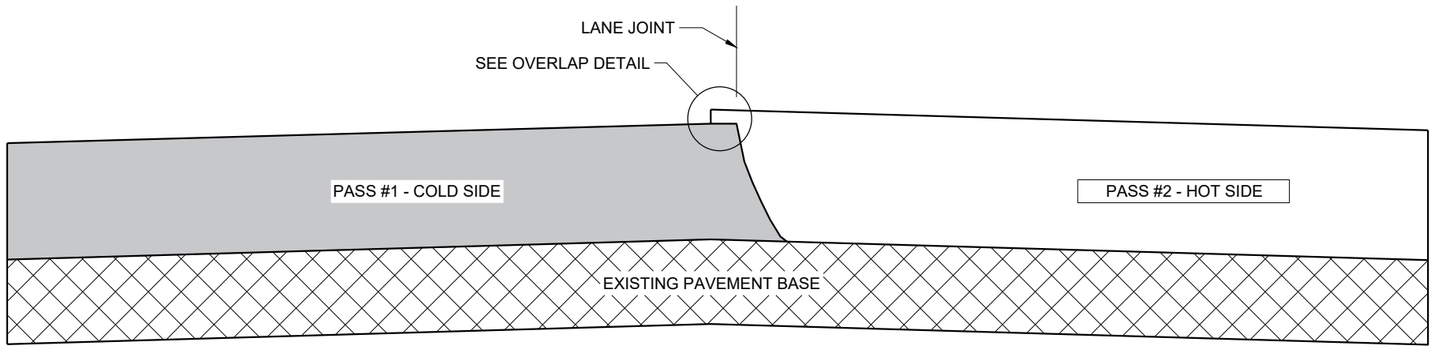
FHWA

6

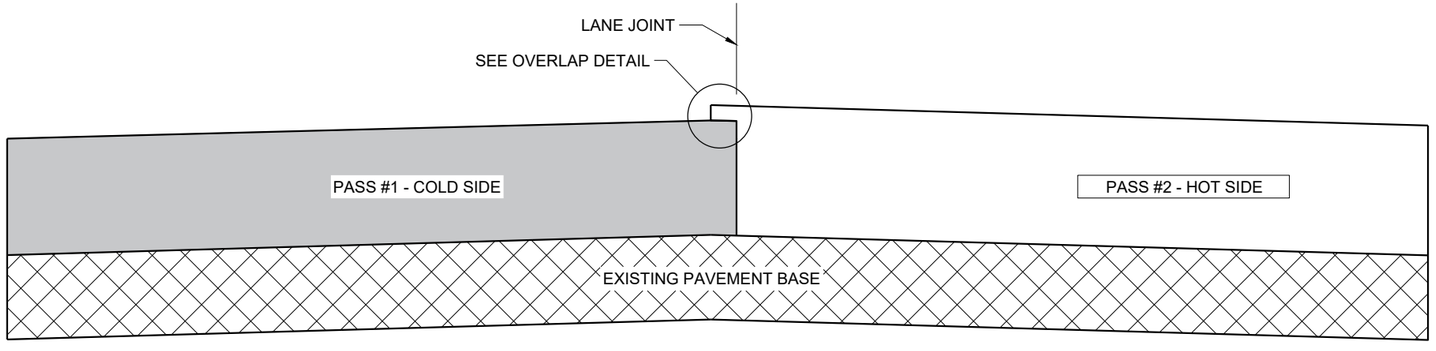
SDD 13C18 - 07d



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

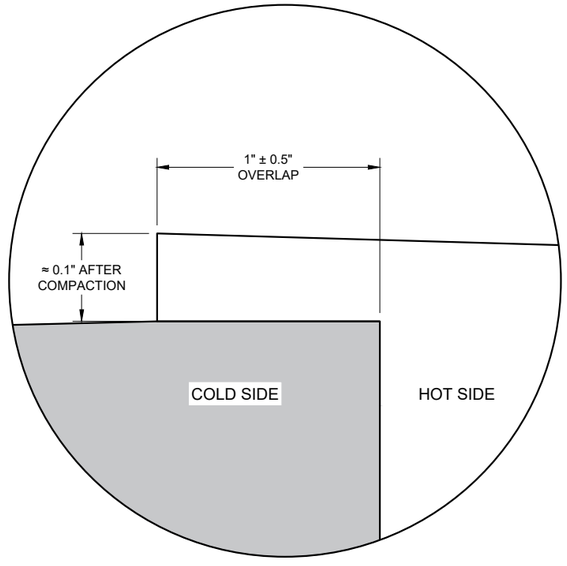
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

6

SDD 13C19 - 03

SDD 13C19 - 03

HMA LONGITUDINAL JOINTS

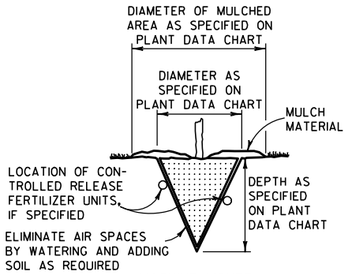
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

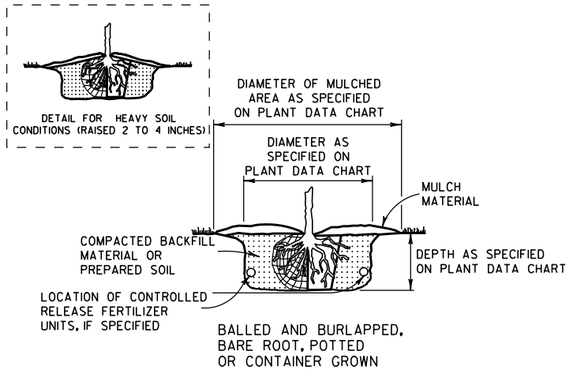
/S/ Steven Hefel
HMA PAVEMENT ENGIN

637

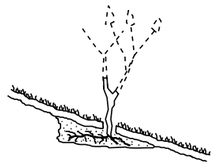
FHWA



MACHINE MOVED

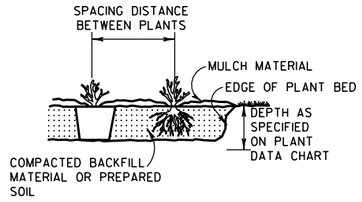


BALLED AND BURLAPPED, BARE ROOT, POTTED OR CONTAINER GROWN



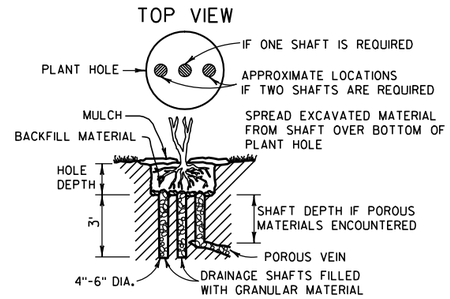
ACCOMMODATE ROOTS (SMOOTH AND STAGHORN SUMAC)

NOTE:
1) ENGINEER SHALL REQUIRE 3 SLITS IN POT TO SPEED DETERIORATION
2) METAL, PLASTIC OR OTHER NONDEGRADABLE POTS SHALL BE REMOVED PRIOR TO PLANTING



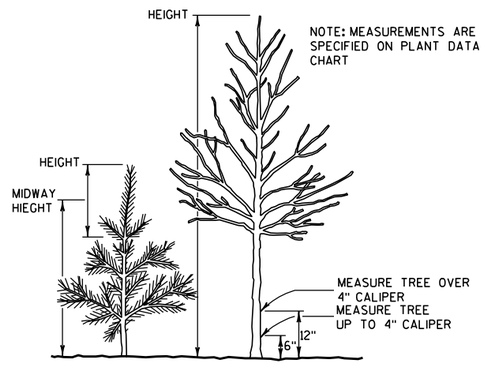
PREPARED BED (BARE ROOT AND POTTED)

PLANTING

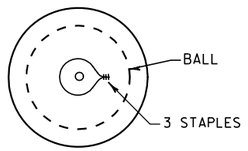


NOTE:
DRAINAGE SHAFT AS SPECIFIED ON PLANT DATA CHART

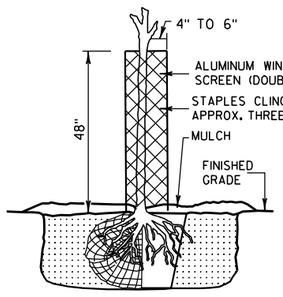
DRAINING



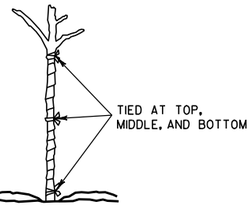
MEASURING



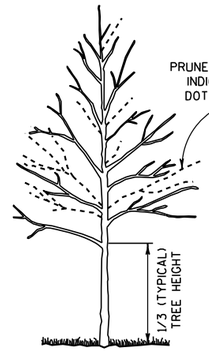
TOP VIEW



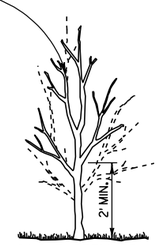
RODENT PROTECTION



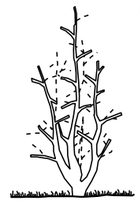
WRAPPING



TALL DECIDUOUS TREES (ASH, MAPLE, LINDEN, OAK)



SINGLE STEMMED LOW DECIDUOUS TREES (CRABS AND OTHER SINGLE STEM TYPE)



MULTI-STEMMED LOW DECIDUOUS TREES OR LARGE SHRUBS (HAWTHORN, SERVICEBERRY)

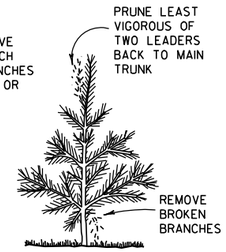
NOTE: WHEN PRUNING, PRESERVE CHARACTER AND SHAPE OF TREE. AVOID LEAVING STUBS - REMOVE BRANCH OR TWIG BACK TO THE NEAREST CROTCH
1) PRUNE TO REMOVE DEAD AND BROKEN BRANCHES
2) PRUNE TO REMOVE BRANCHES THAT TOUCH OR ARE TOO CLOSE TO OTHER BRANCHES



SHRUBS (GRAY DOGWOOD ARROWWOOD VIBURNUM)

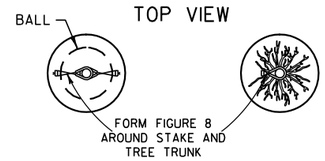


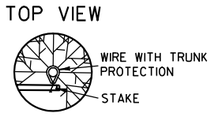
SUMAC

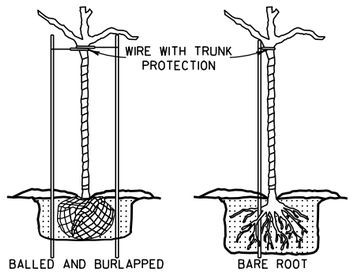


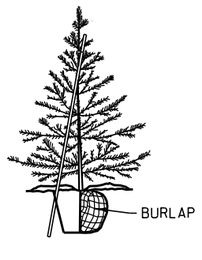
TREE TYPE EVERGREENS (PINE, SPRUCE, FIR) EVERGREENS USUALLY ARE NOT PRUNED

PRUNING



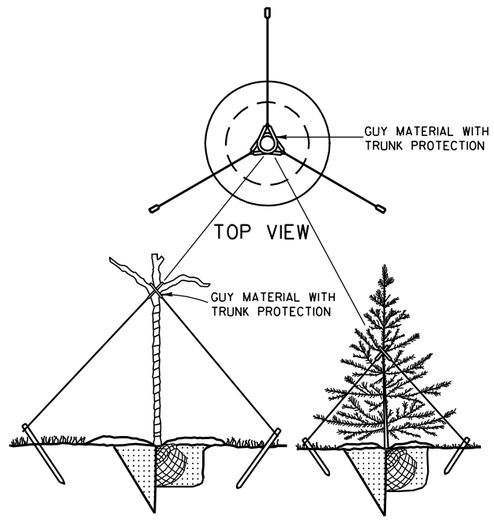




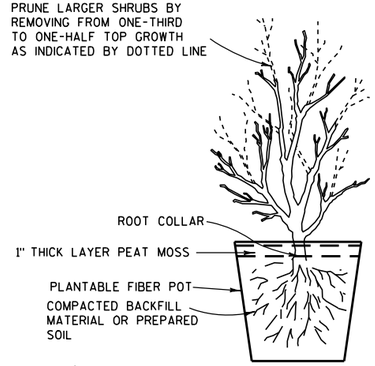


NOTE: BRACING STAKE
1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES.
2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT.
3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE; AND
4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE IN PLACE.

BRACING



GUYING



POTTING

NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

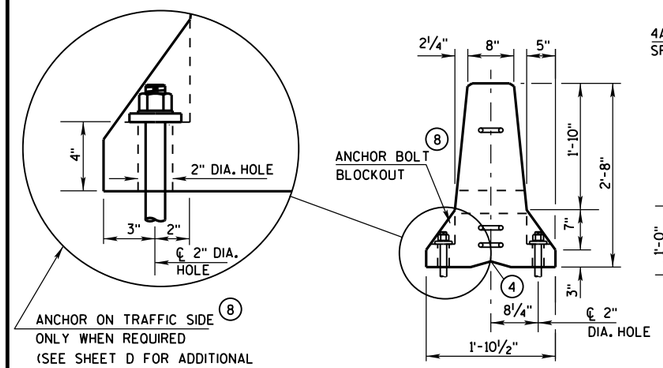
BRACING, WRAPPING, GUYING, RODENT PROTECTION, FERTILIZER AND MULCH SHALL BE USED ONLY WHEN SPECIFIED ON THE PLANT DATA CHART (PART OF PLAN) OR SPECIAL PROVISIONS.

TREE PLANTING DETAIL

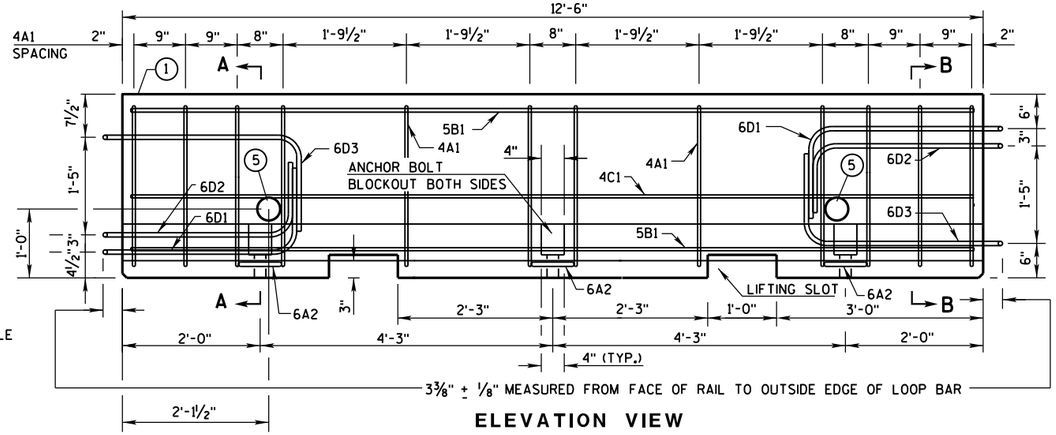
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/11/94 — DATE
/S/ Rory L. Rhinesmith — CHIEF METHODS DEVELOPMENT ENGINEER
FHWA

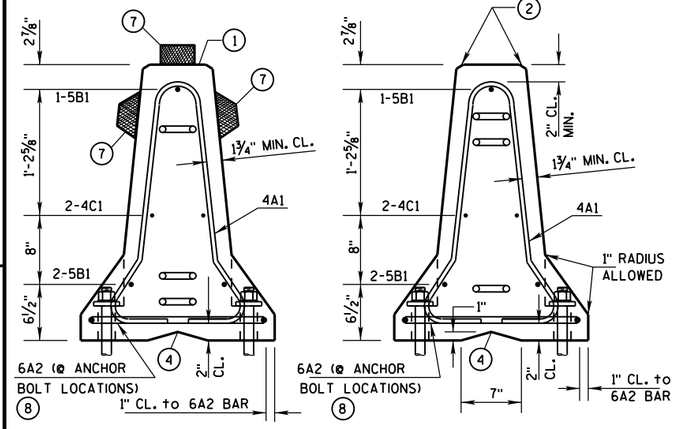
6
S.D.D. 14 A 2-1



END VIEW

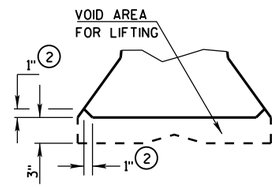


ELEVATION VIEW

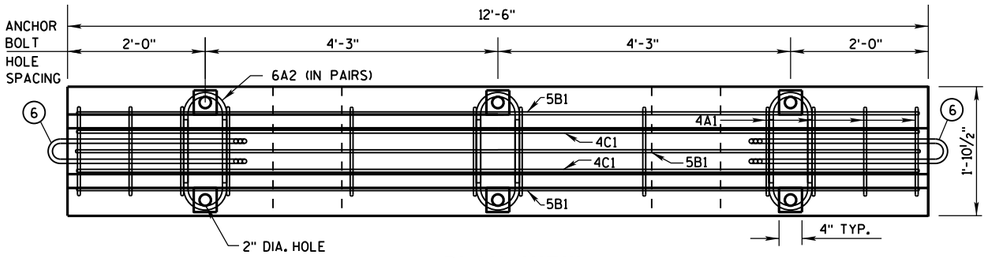


SECTION A-A
(STIRRUP PLACEMENT)

SECTION B-B
(STIRRUP PLACEMENT)

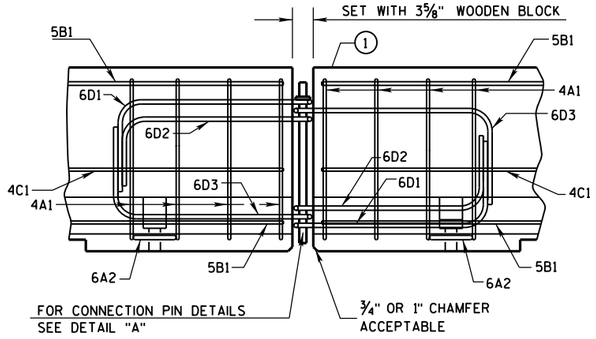


DETAIL "B"
LIFTING SLOT DETAIL

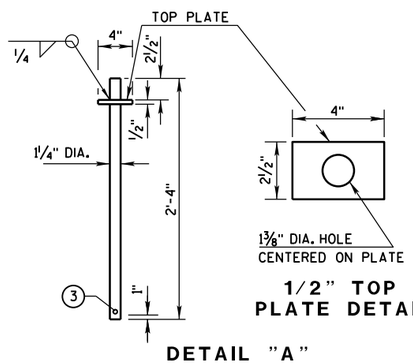


PLAN VIEW

DETAILS OF BARRIER SECTION

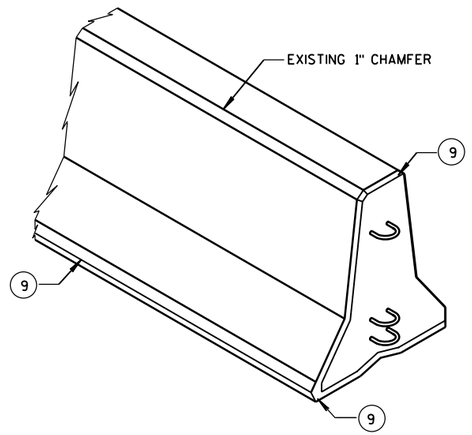


DETAILS OF BARRIER CONNECTION



1/2" TOP
PLATE DETAIL

DETAIL "A"
CONNECTION PIN
(A36 STEEL (10.9 LB EACH))



GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-15(a) THRU 14B7-15(i).

DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH OTHER TEMPORARY CONCRETE BARRIERS.

USE ASTM A-615, GRADE 60, DEFORMED STEEL BARS FOR BARS 4A1, 6A2, 5B1 AND 4C1 IN THE BARRIER SECTION AND FOR 4V1, 4V2, 4V3, 4V4, 4V5, 4V6, 4F1, 4F2 AND 5F3 IN THE BARRIER TAPER SECTION.

LOOP BARS 6D1, 6D2 AND 6D3 SHALL BE ¾" SMOOTH STEEL BARS WITH A MINIMUM YIELD STRENGTH OF 60 KSI, A TENSILE STRENGTH OF NOT LESS THAN 1.25 TIMES THE YIELD STRENGTH BUT A MINIMUM OF 80 KSI, A MINIMUM 14% ELONGATION IN 8 INCHES AND PASSING A 180 DEGREE BEND TEST USING A 3-½" PIN BEND DIAMETER FOR BEND TESTS. THE LOOPS SHALL BE INSTALLED WITHIN ⅛" OF THE PLAN DIMENSION.

CONSTRUCT LIFTING SLOTS AS SPECIFIED ON THE PLANS TO FACILITATE THE DRAINAGE OF WATER AFTER INSTALLATION.

PLACE BARRIER ON A PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.

INSTALL MECHANICAL OR ADHESIVE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S INFORMATION TO PROJECT ENGINEER.

(1) MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
- a. TYPE: WI CBTP
- b. MANUFACTURER
- c. DATE MANUFACTURED (MONTH AND YEAR)

(2) 1" CHAMFER TO PREVENT SPALLING.

(3) A ⅜" HOLE IN THE CONNECTION PIN, AT THE LOCATION SHOWN, IS ACCEPTABLE, BUT NOT REQUIRED..

(4) "V" NOTCH IS OPTIONAL.

(5) THE 4" DIAMETER, 11 GAUGE STEEL, ROUND MECHANICAL TUBING SLEEVE FOR LIFTING (OPTIONAL).

(6) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

(7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED TO THE RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART. PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAN 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

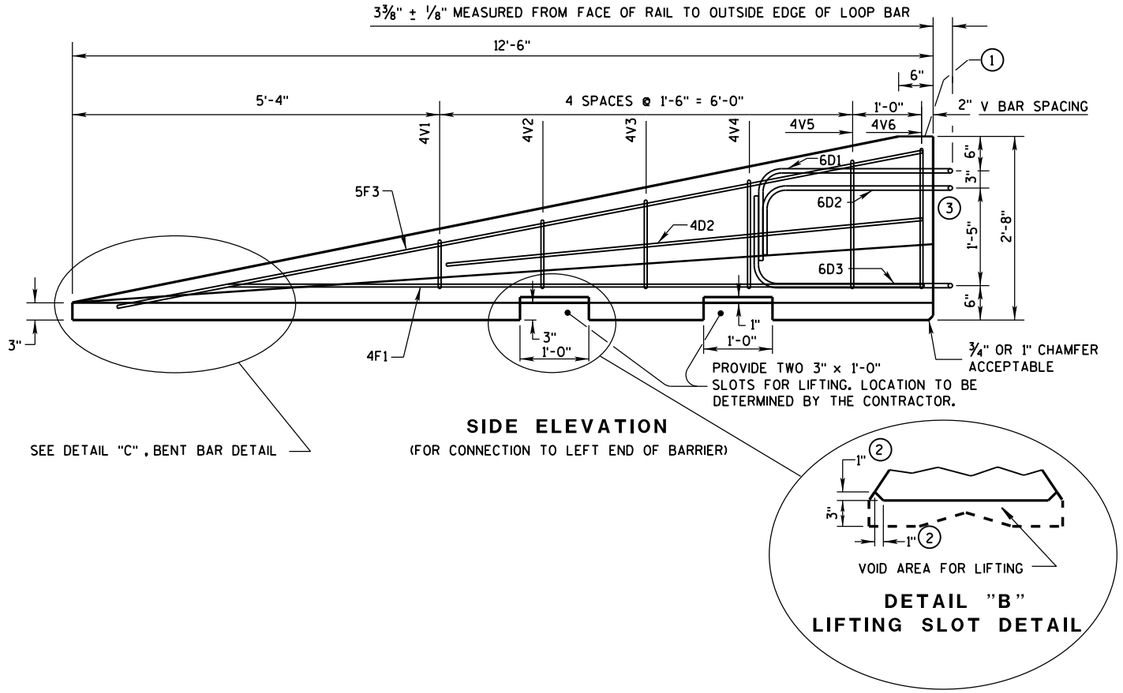
(8) SEE SHEET D FOR HOW TO ANCHOR BARRIER. SEE SHEET E FOR WHEN TO ANCHOR BARRIER.

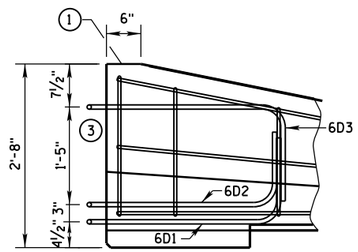
(9) 1" CHAMFER OPTIONAL.

f'c = 4,000 psi

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

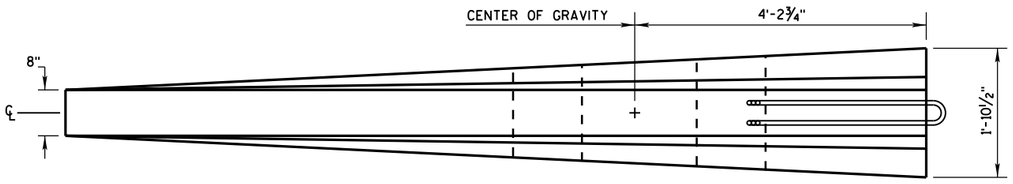
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 639

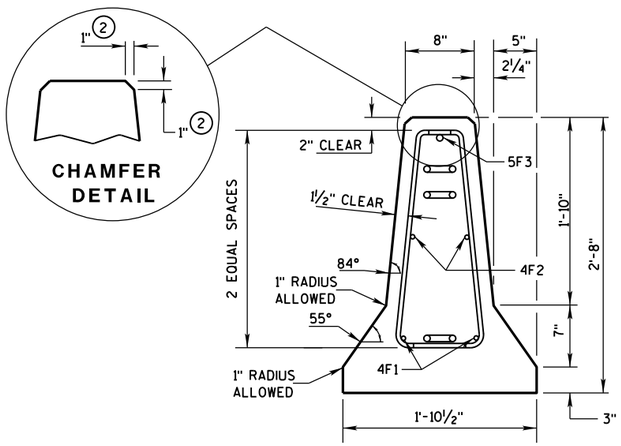


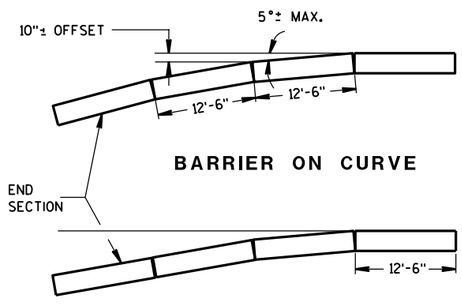


GENERAL NOTES

1. MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
   a. TYPE WICBTP
   b. MANUFACTURER
   c. DATE MANUFACTURED (MONTH AND YEAR)
2. 1" CHAMFER TO PREVENT SPALLING.
3. NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.







POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 640

6

S.D.D. 14 B 7-15b

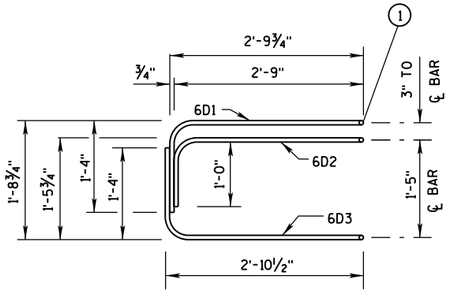
6

S.D.D. 14 B 7-15b

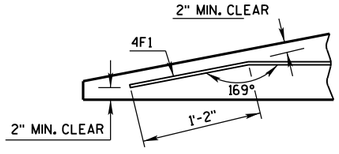
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

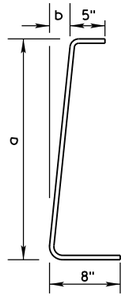
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



ELEVATION
LOOP BAR ASSEMBLY



DETAIL "C"
BENT BAR DETAIL



BAR	a	b
V1	10"	1"
V2	1'-1"	1¼"
V3	1'-5"	1⅝"
V4	1'-8"	1⅞"
V5	2'-0½"	2⅜"
V6	2'-3"	2¾"

4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

TAPER BARRIER SECTION

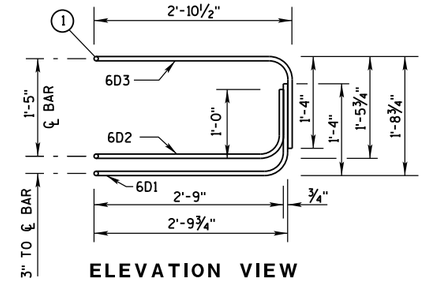
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

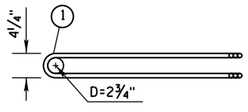
BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

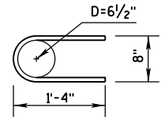
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"



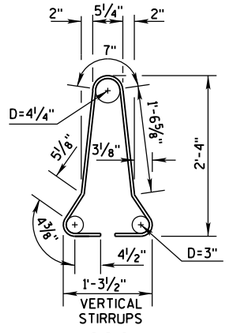
ELEVATION VIEW



PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)



6A2



4A1

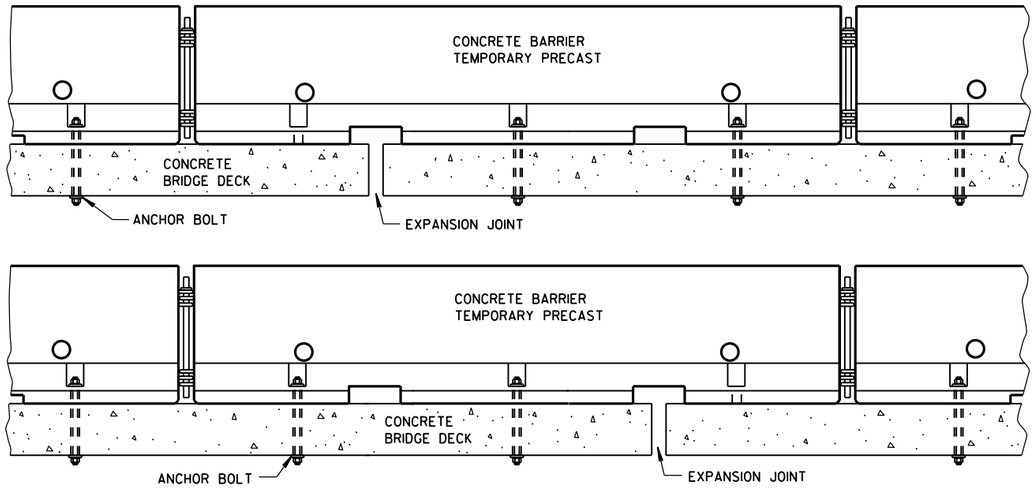
BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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S.D.D. 14 B 7-15c



TREATMENT AT BRIDGE DECK EXPANSION JOINTS

(NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.)

GENERAL NOTES

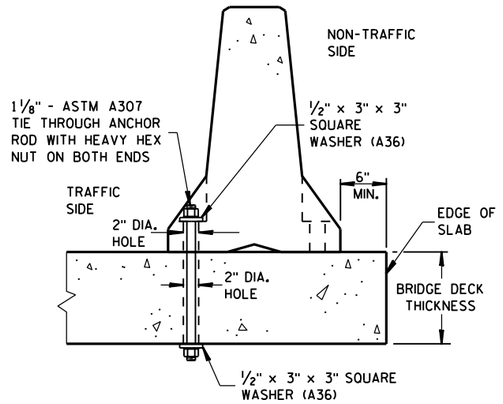
SEE SHEET E FOR WHEN TO ANCHOR. OTHER PARTS OF THE PLAN MAY SHOW ADDITIONAL LOCATIONS REQUIRING ANCHORING.

REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERICAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

(1) 1⅛" DIAMENTER A307 THREADED ROD. ½" X 3" X 3" SQUARE PLATE WASHER WITH ASTM A36 STEEL. ASTM A563A HEAVY HEX NUT.

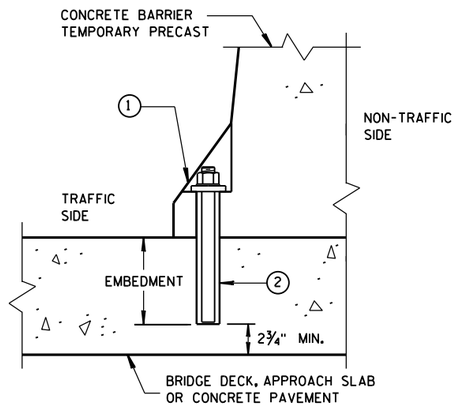
(2) ADHESIVE ANCHORS WITH A MINIMUM BOND STRENGTH OF 1,800 PSI AND 5¼" EMBEDMENT. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.

(3) ASPHALT SURFACE SHOWN. CONTRACTOR MAY DRILL THROUGH CONCRETE PAVEMENT AND THAN DRIVE ASPHALT ANCHOR PIN.



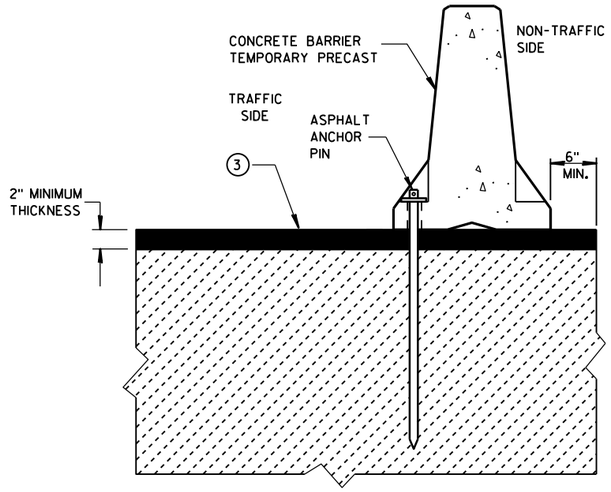
THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)

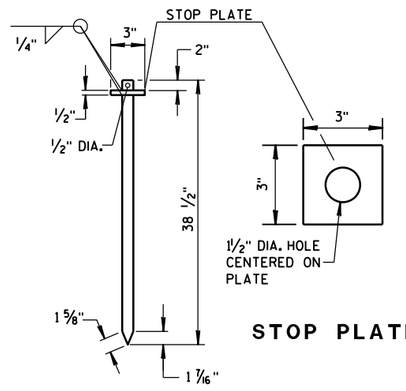


REMOVABLE ADHESIVE ANCHOR INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)



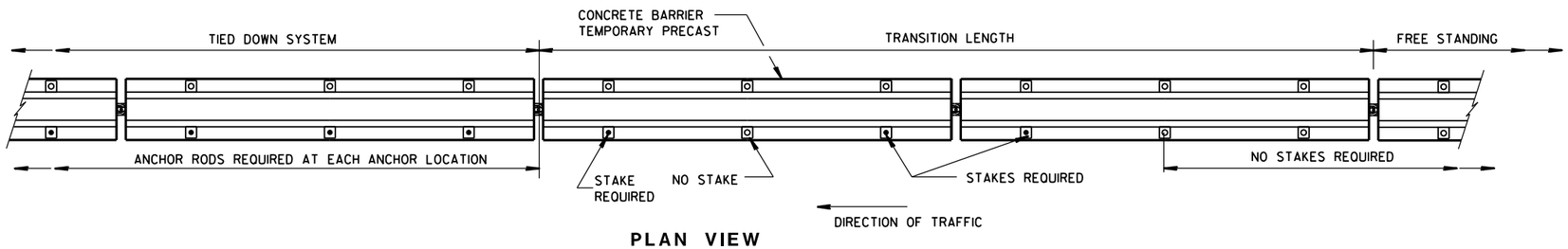
STAKE DOWN INSTALLATION FOR ASPHALTIC SURFACE



STOP PLATE

ASPHALT ANCHOR PIN

(ASTM A36 STEEL)



PLAN VIEW

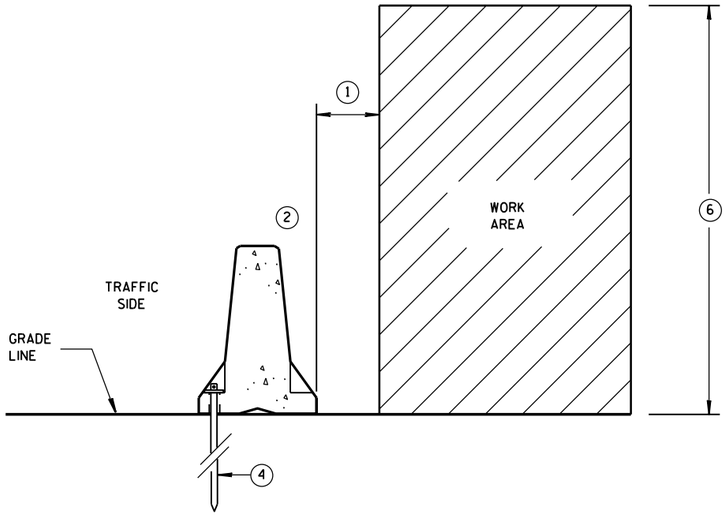
FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN.)

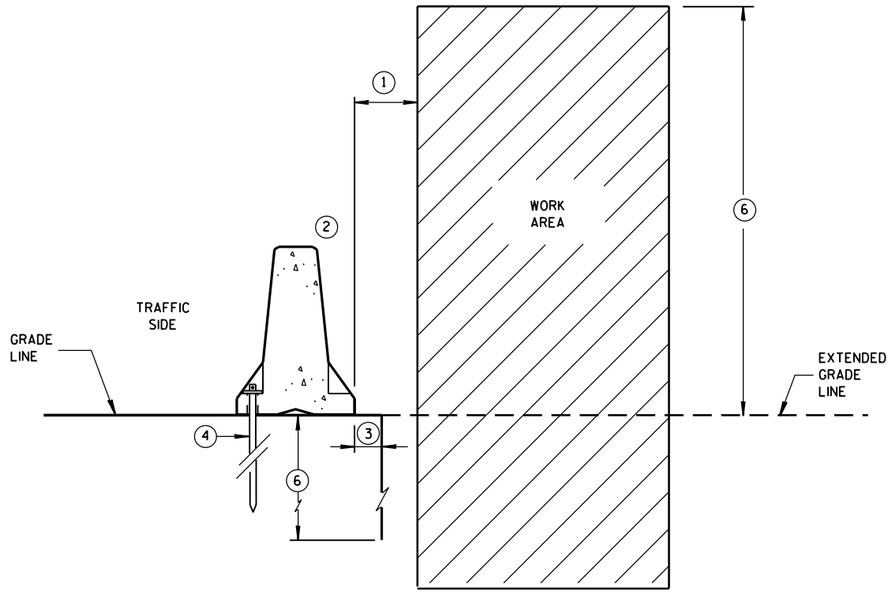
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 14 B 7-15d



ANCHORED BARRIER SPACE REQUIREMENTS FOR HAZARDS EXTENDED ABOVE THE GRADE LINE

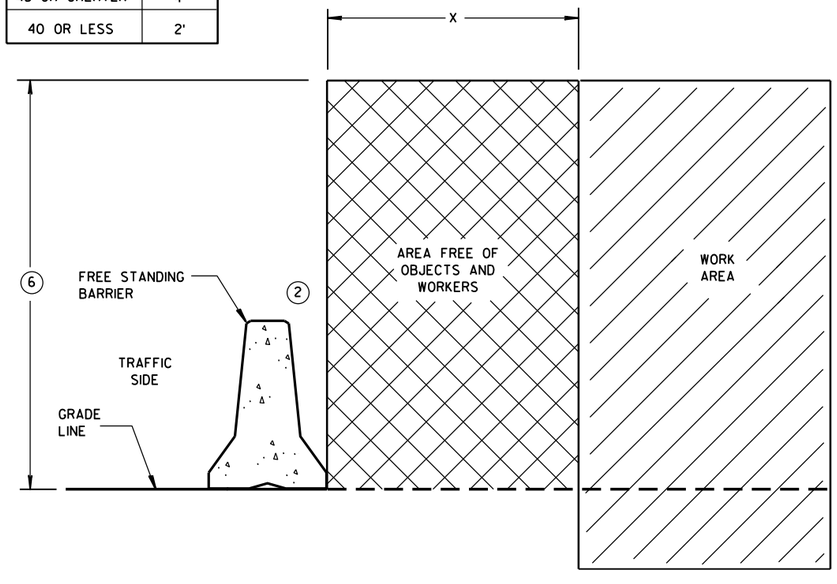


ANCHORED BARRIER SPACE REQUIREMENTS ON VERTICAL DROP OFFS

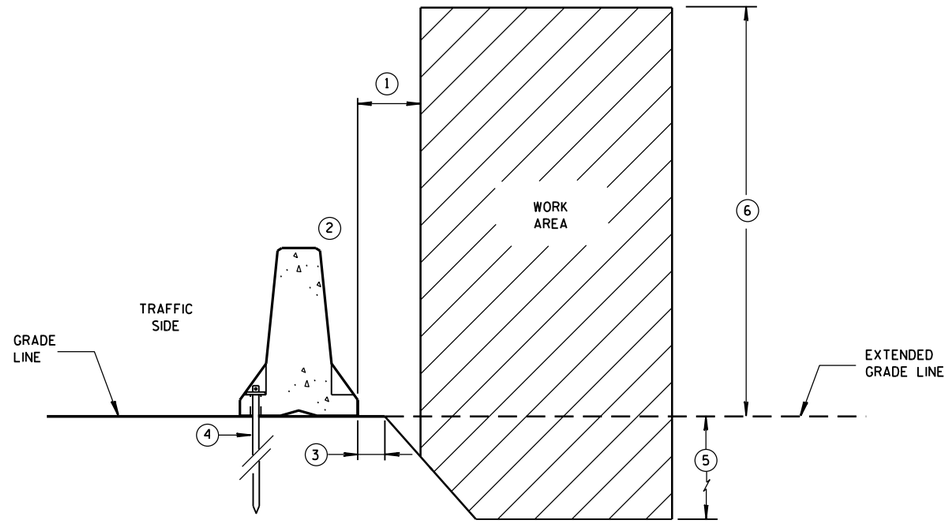
GENERAL NOTES

1. WHEN OBJECTS EXTEND ABOVE THE GRADE, A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT. SEE OTHER DETAILS FOR FOR THE MINIMUM OFFSET FROM BACK OF BARRIER TO SLOPES OR VERTICAL DROPS.
2. OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR LEANED AGAINST THE BARRIER WITHOUT PERMISSION OF THE PROJECT ENGINEER.
3. SEE OTHER DETAIL ON SHEET "D" FOR SPACE REQUIREMENTS.
4. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR A STAKE DOWN FOR ASPHALTIC SURFACE TREATMENT DETAILS. ASPHALTIC ANCHOR SHOWN.
5. DEPTH OF 3 FEET OR MORE.
6. Y = 6'-6".

POSTED SPEED MPH	X
45 OR GREATER	4'
40 OR LESS	2'



FREE STANDING BARRIER SPACE REQUIREMENTS



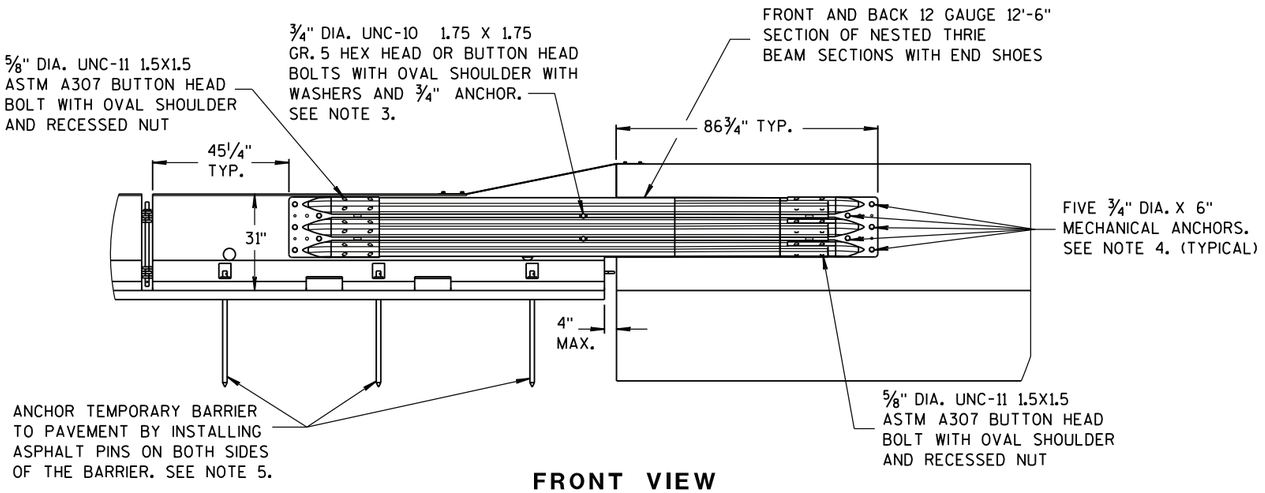
ANCHORED BARRIER SPACE REQUIREMENTS ON SLOPES

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

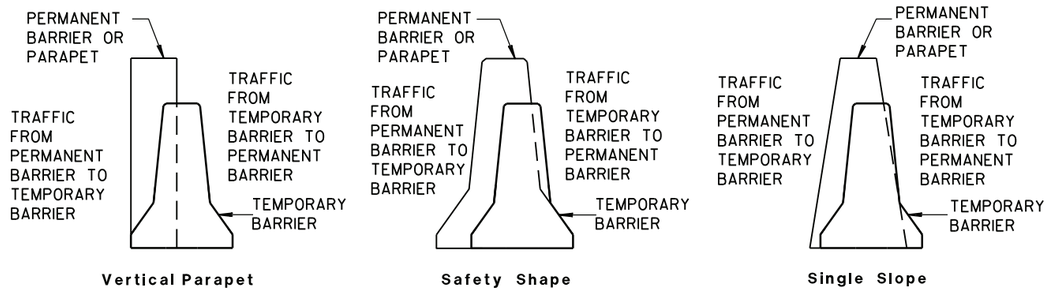
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 14 B 7-15e



FRONT VIEW

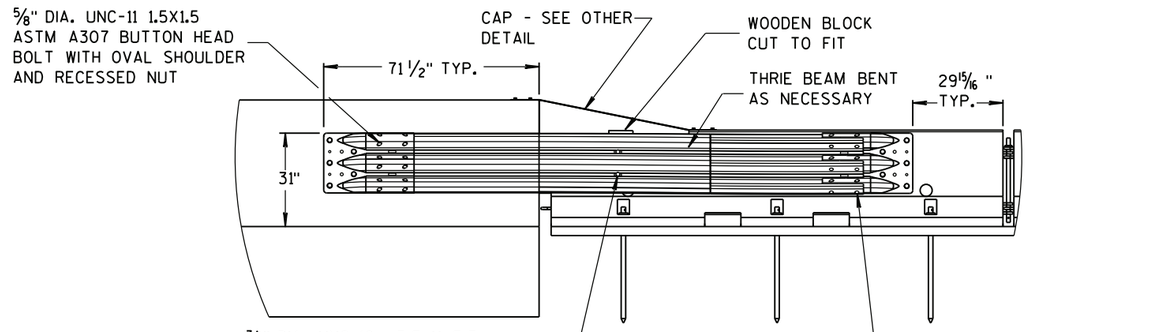


TEMPORARY BARRIER PLACEMENT FOR TRANSITION TO TIED DOWN SYSTEM

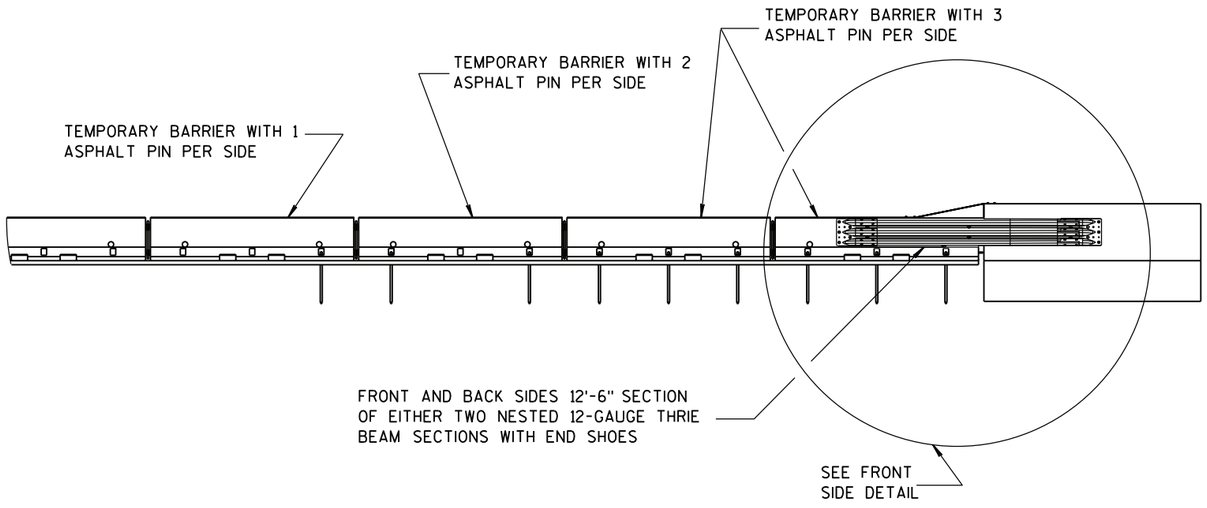
NOTES

NESTED THRIE BEAM IS REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS REGARDLESS OF TRAFFIC.

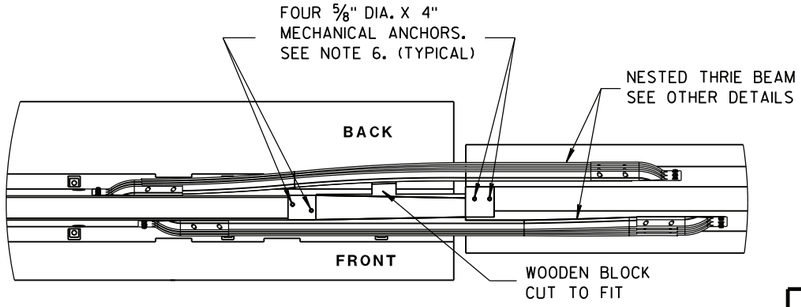
1. CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
2. THRIE BEAM PIECES ARE OFFSET 15 1/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
3. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS.
4. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS.
5. MAY BE USED ON CONCRETE OR ASPHALT PAVEMENTS. ASPHALT OPTION SHOWN. FOR CONCRETE OPTION SEE OTHER DETAILS.
6. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.



BACK VIEW



FRONT VIEW



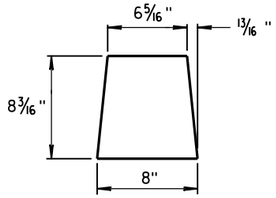
PLAN VIEW

TRANSITION TO TIED DOWN SYSTEM

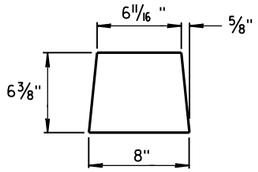
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

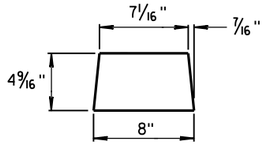
6
S.D.D. 14 B 7-15f



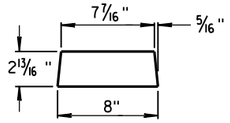
GUSSET 1



GUSSET 2

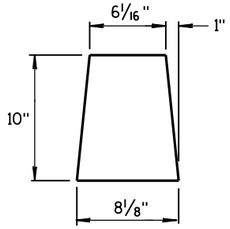


GUSSET 3

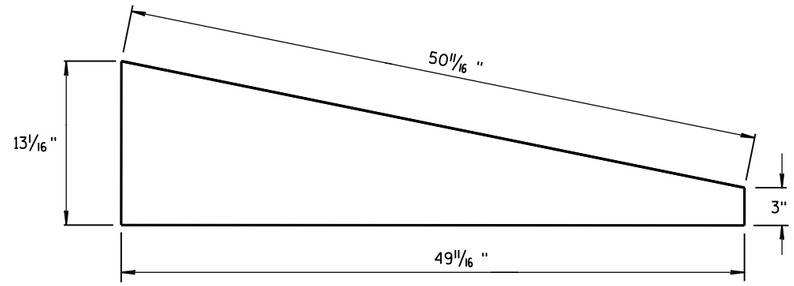


GUSSET 4

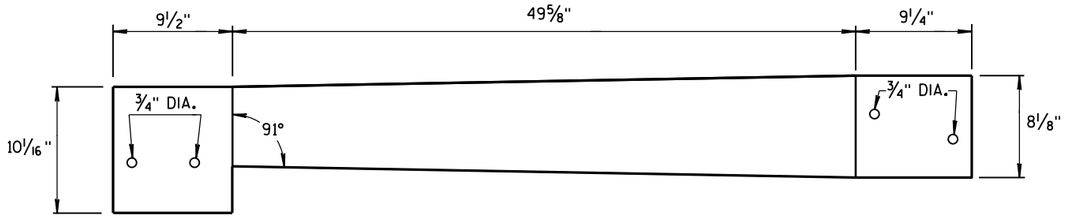
GUSSETS

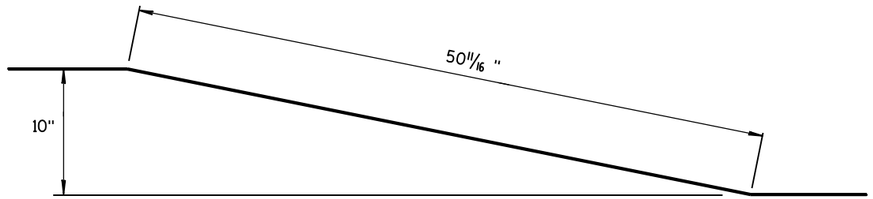


END PLATE



SIDE PLATE

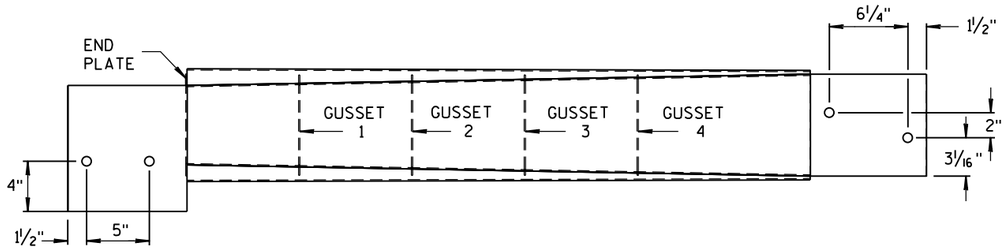


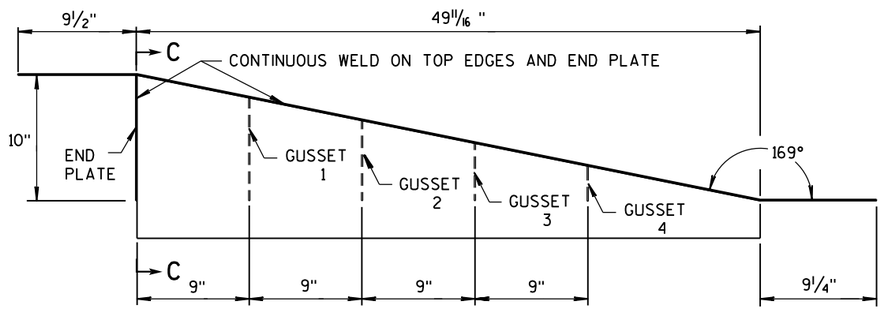


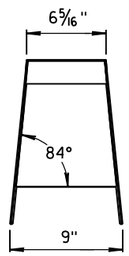
TOP PLATE

SIDE, TOP AND END PLATES FOR CAP FROM TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.







SECTION C-C

NOTES

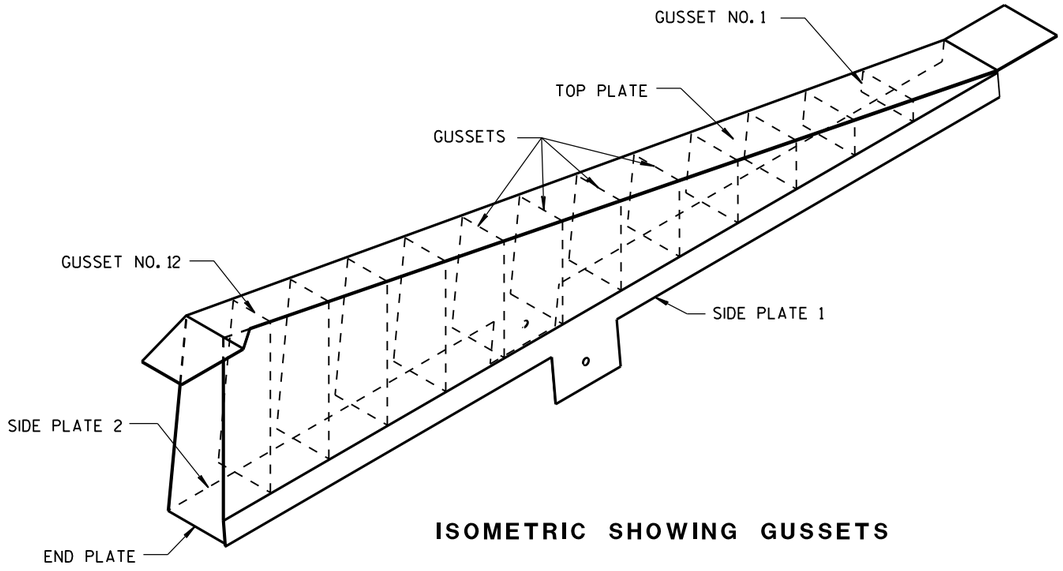
1. FOUR GUSSETS AND END PLATE ARE STITCH WELDED ON THREE SIDES.
2. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE, AND GUSSETS.

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

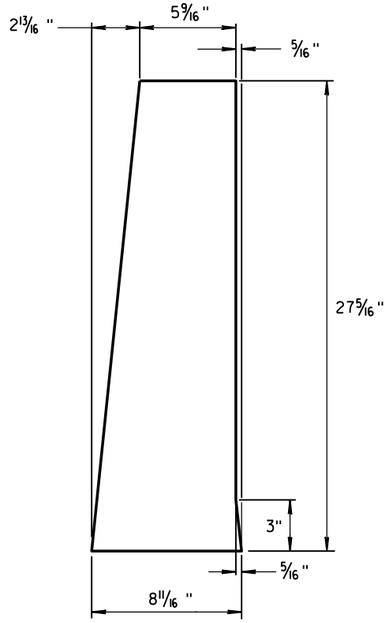
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 7-15g

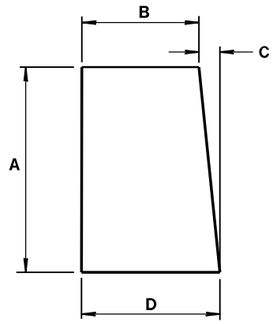


ISOMETRIC SHOWING GUSSETS



END PLATE

1/8" STEEL PLATE



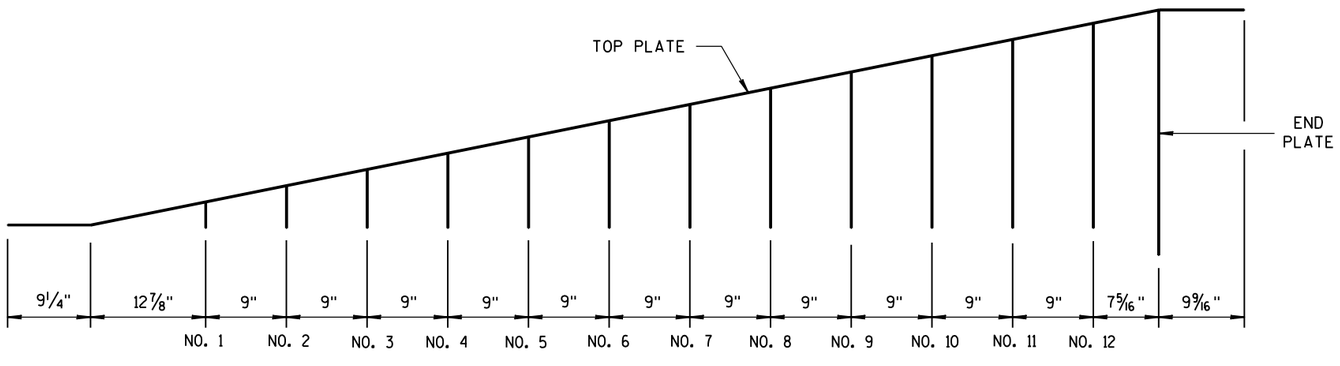
GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
1	2 7/8"	7 3/4"	1/4"	8
2	4 11/16 "	7 9/16 "	1/2"	8
3	6 1/2"	7 3/8"	11/16 "	8 1/16 "
4	8 5/16 "	7 3/16 "	7/8"	8 1/16 "
5	10 1/8"	7"	1 1/16 "	8 1/16 "
6	11 15/16 "	6 13/16 "	1 1/4"	8 1/16 "
7	13 3/4"	6 5/8"	1 7/16 "	8 1/16 "
8	15 9/16 "	6 7/16 "	1 9/16 "	8 1/16 "
9	17 3/8"	6 1/4"	1 13/16 "	8 1/16 "
10	19 3/16 "	6 1/16 "	1 15/16 "	8 1/16 "
11	21"	5 7/8"	2 3/16 "	8 1/16 "
12	22 13/16 "	5 11/16 "	2 5/16 "	8 1/16 "

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.



GUSSET LOCATION

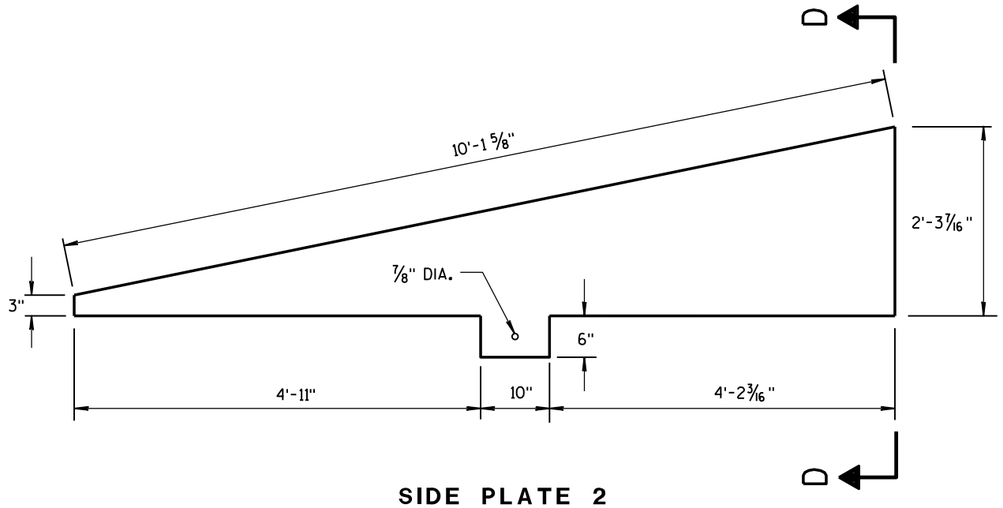
CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

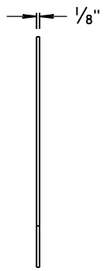
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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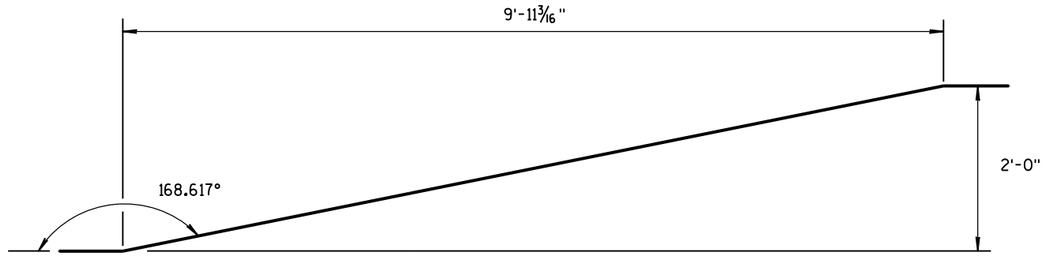
S.D.D. 14 B 7-15h



SIDE PLATE 2

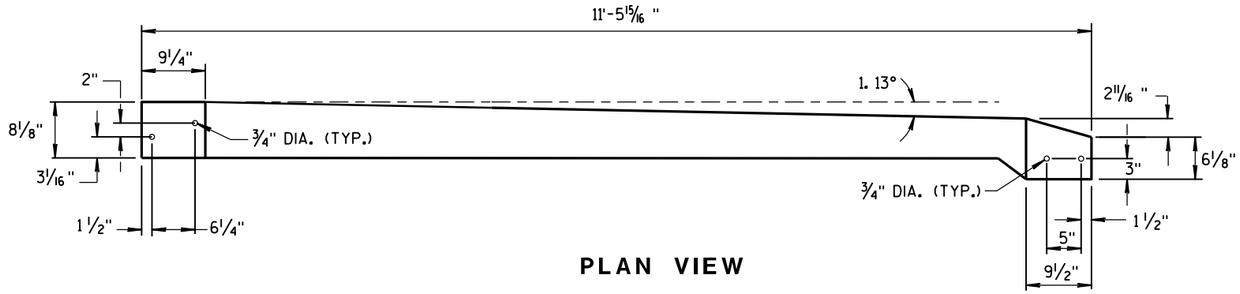


END VIEW



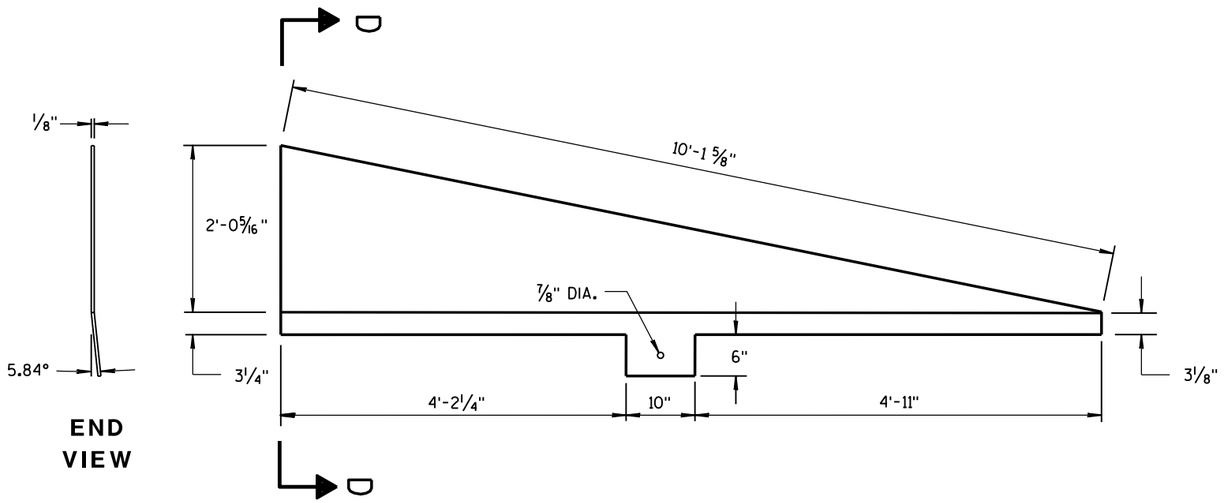
SIDE VIEW

TOP PLATE



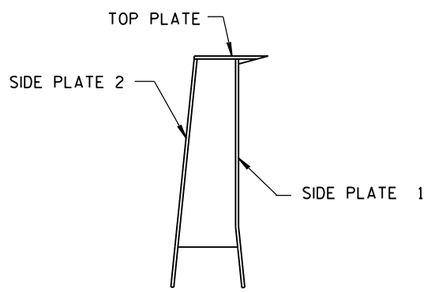
PLAN VIEW

TOP PLATE



END VIEW

SIDE PLATE 1



SECTION D-D

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERV

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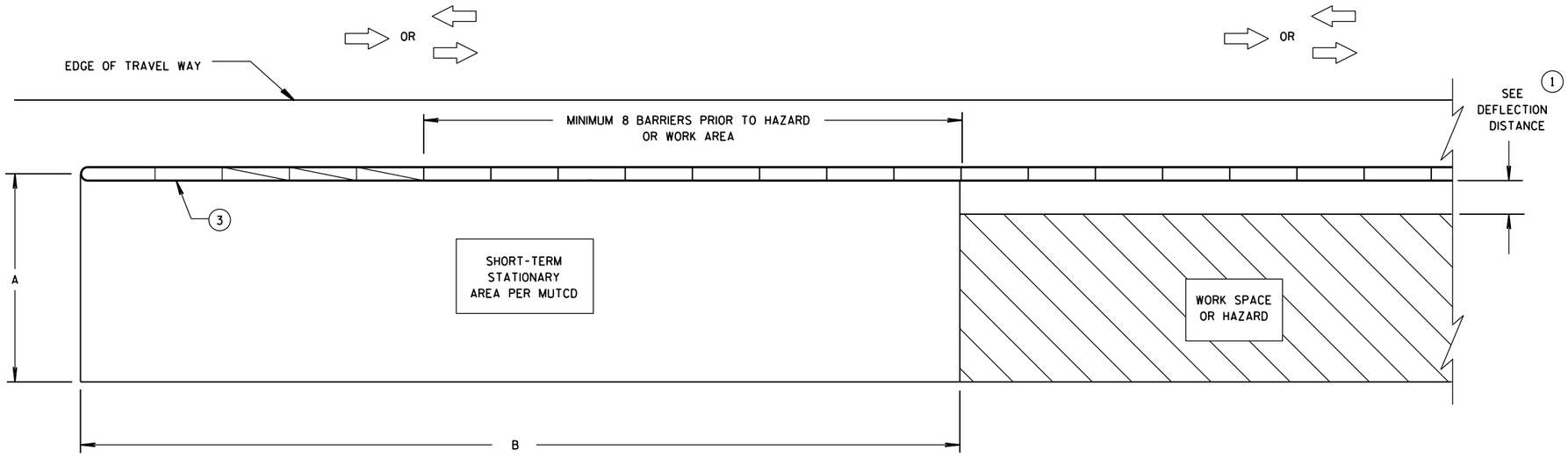
FHWA

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S.D.D. 14 B 7-15i

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S.D.D. 14 B 7-15i



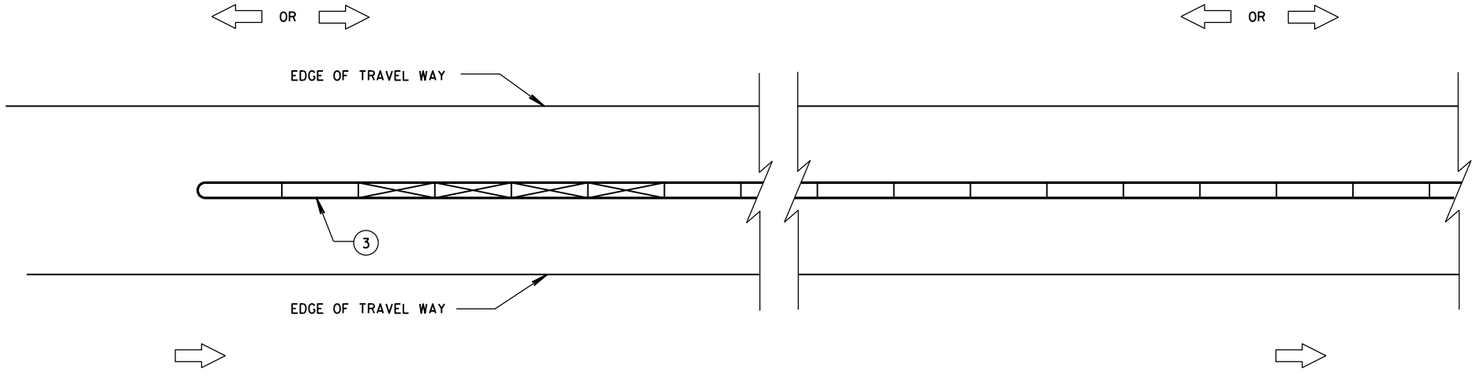
CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER

DIMENSION A TABLE (2)

FACILITY	POSTED SPEED MPH	DIMENSION A	
		MIN. FT	MAX. FT
FREEWAY/EXPRESSWAY	ALL	15	20
NON-FREEWAY/EXPRESSWAY	GREATER THAN OR EQUAL TO 45	10	15
NON-FREEWAY/EXPRESSWAY	LESS THAN 45	8	10
AADT LESS THAN 1,500	ALL	8	10

DIMENSION B TABLE (2)

POSTED SPEEDS MPH	DIMENSION B FT
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON BOTH SIDES OF BARRIER

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

GENERAL NOTES

SEE STANDARD DETAIL DRAWING 14B7 FOR MORE INFORMATION.

DETAILS PROVIDE A GENERAL LAYOUT OF TEMPORARY CONCRETE BARRIER, CRASH CUSHIONS, SAND BARREL ARRAYS AND TIE DOWN TRANSITIONS. DETAILS PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

ADDITIONAL TEMPORARY BARRIER MAY BE REQUIRED TO PROTECT TRAVELING PUBLIC FROM HAZARDS, CONTRACTOR'S OPERATIONS OR TO CONTROL TRAFFIC.

TEMPORARY BARRIER MAY BE REQUIRED TO BE ANCHORED TO PAVEMENT OR BRIDGE DECK.

FOR DETAILS ON CRASH CUSHION OR SAND BARREL ARRAYS SEE OTHER SECTIONS OF THE PLAN AND MANUFACTURE'S DETAILS.

SLOPES LEADING TO TEMPORARY BARRIER, CRASH CUSHION OR SAND BARREL ARRAY ARE 10:1 OR LESS.

(1) FOR DEFLECTION INFORMATION SEE STANDARD DETAIL DRAWING 14B7.

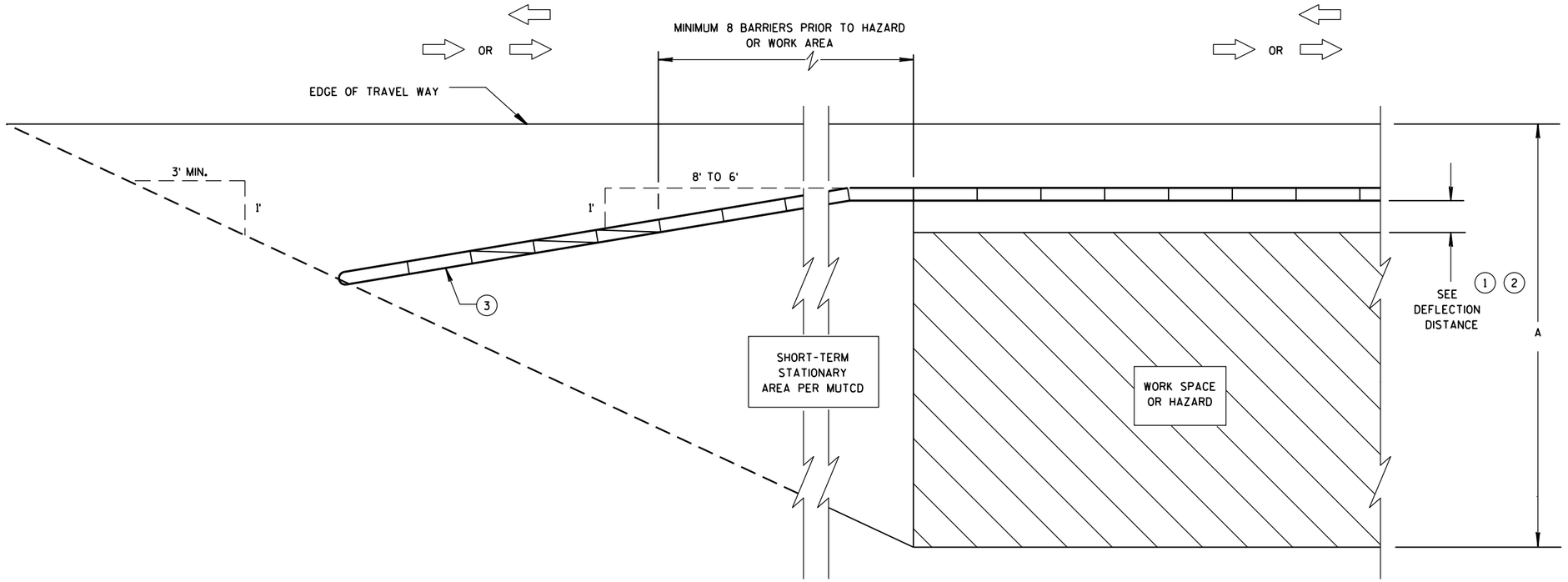
(2) VALUES PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

(3) ANCHOR TEMPORARY BARRIER ACCORDING TO CRASH CUSHION OR SAND BARREL MANUFACTURER'S RECOMMENDATIONS. IF MANUFACTURER'S RECOMMENDATIONS ARE NOT PROVIDED, ANCHOR 3 PINS ON TRAFFIC SIDE.

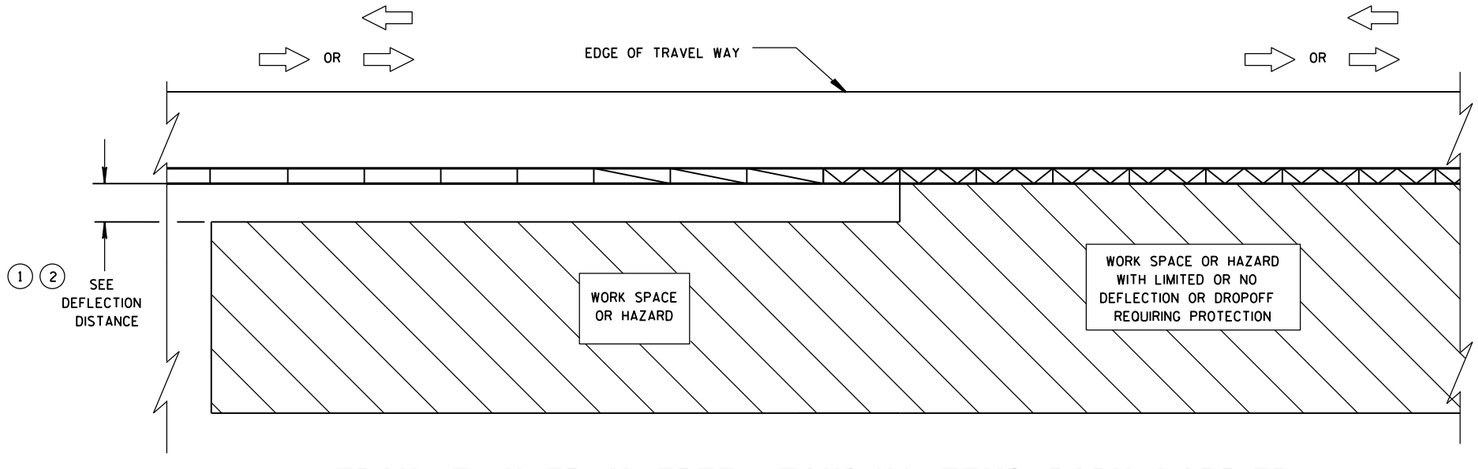
CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 14 B 8-2a



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE - FLARED INSTALLATION



TRANSITION FROM FREE STANDING TEMPORARY BARRIER TO ANCHORED BARRIER

LEGEND

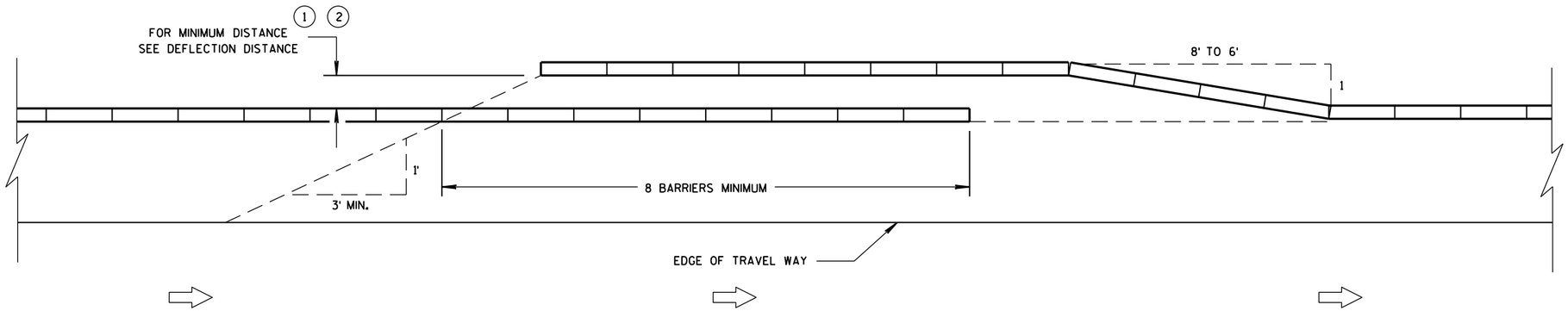
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

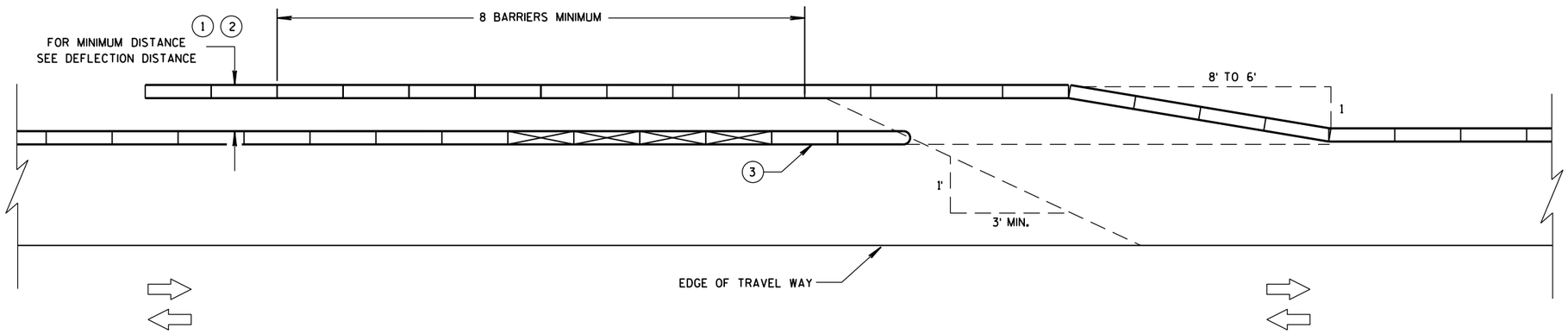
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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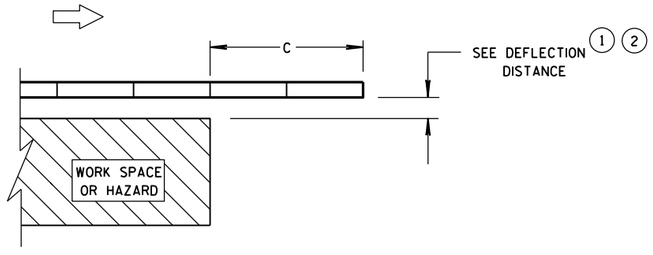
S.D.D. 14 B 8-2b



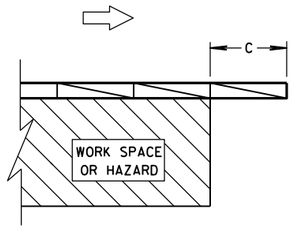
TEMPORARY BARRIER OVERLAP - ONE-WAY TRAFFIC



TEMPORARY BARRIER OVERLAP - TWO-WAY TRAFFIC



ENDING TEMPORARY BARRIER DOWNSTREAM - UNANCHORED



ENDING TEMPORARY BARRIER DOWNSTREAM - ANCHORED

LEGEND

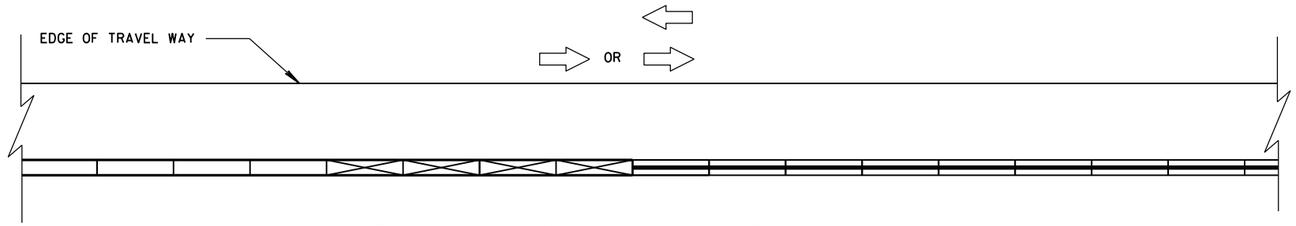
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

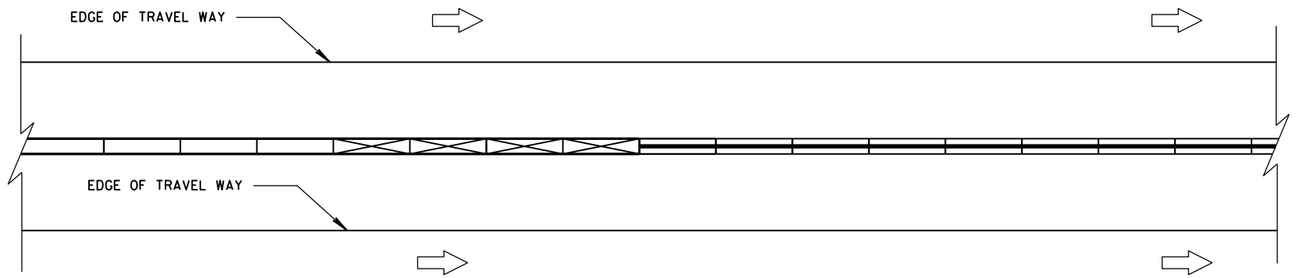
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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S.D.D. 14 B 8-2c



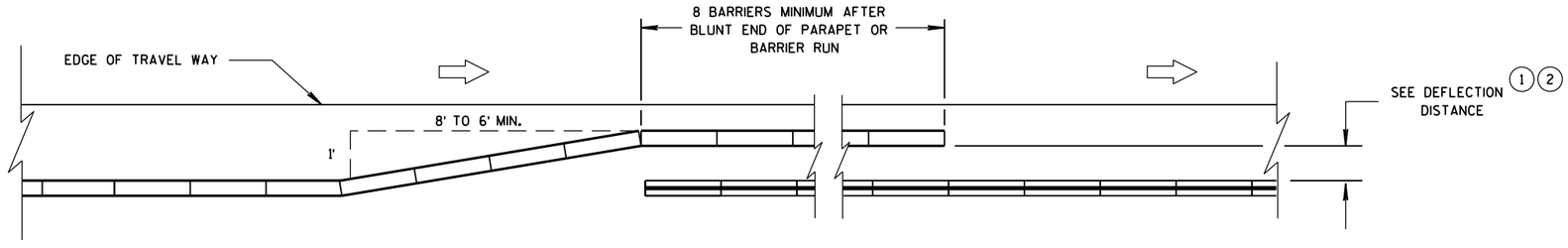
CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON ONE SIDE



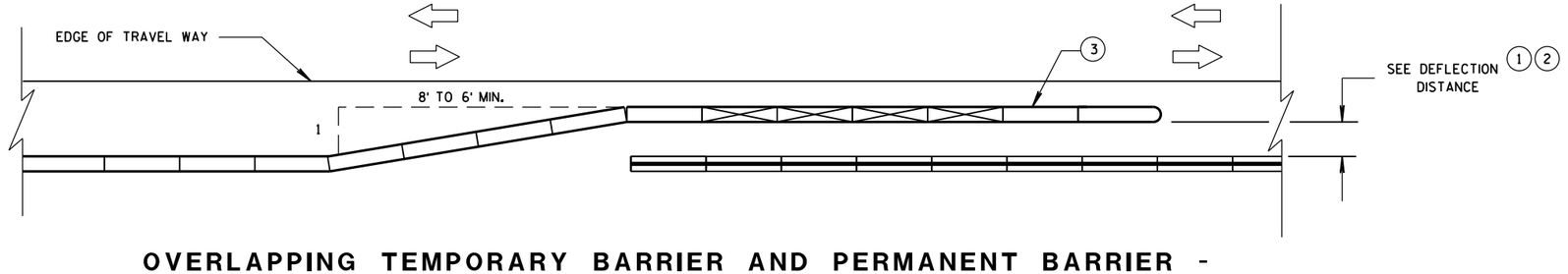
CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON BOTH SIDES

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
ONE WAY TRAFFIC



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
TWO WAY TRAFFIC

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 8-2d

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR SAND BARREL ARRAY

SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS

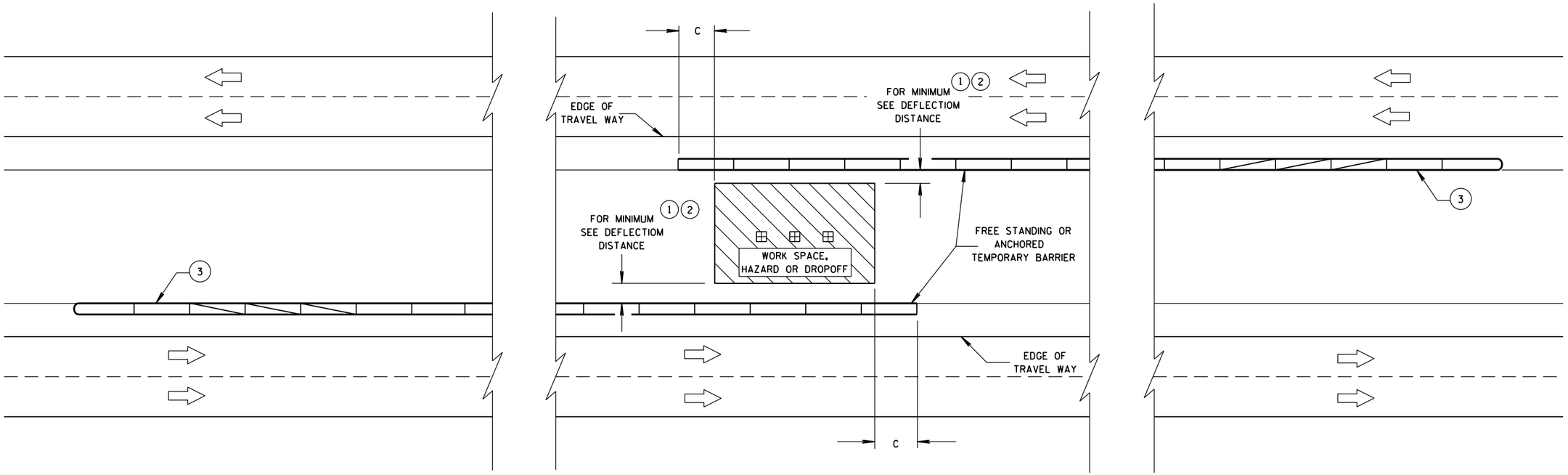
3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET

FREE STANDING TEMPORARY BARRIER

DIMENSION C TABLE (2)

AVAILABLE DEFLECTION DISTANCE	MINIMUM LENGTH OF BARRIER BEYOND HAZARD FT
GREATER THAN 8'	12.5
LESS THAN OR EQUAL TO 8' BUT GREATER THAN 4'	50
LESS THAN OR EQUAL TO 4'	100



CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

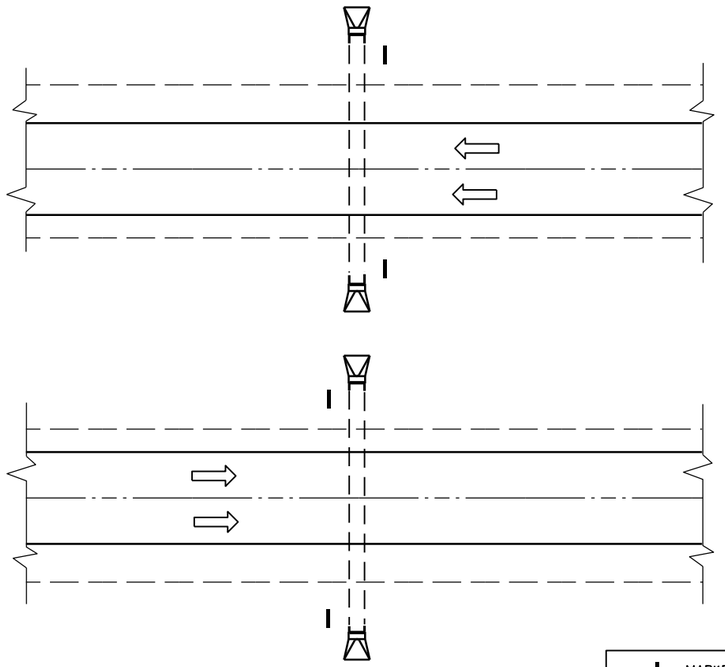
APPROVED
June, 2015
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINNER
652
FHWA

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S.D.D. 14 B 8-2e

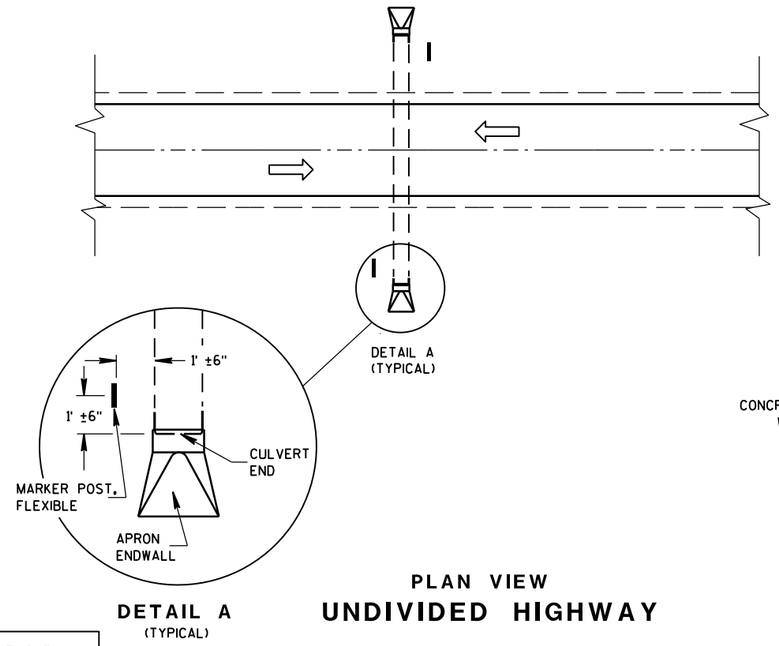
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S.D.D. 14 B 8-2e



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

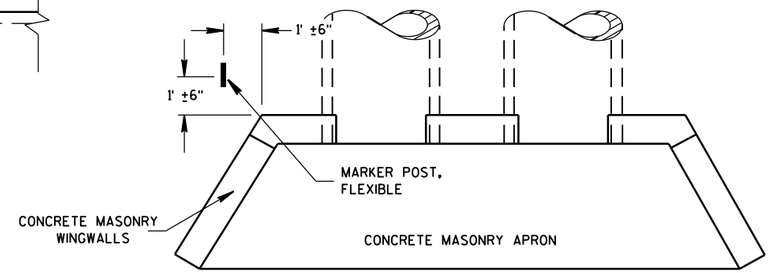
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

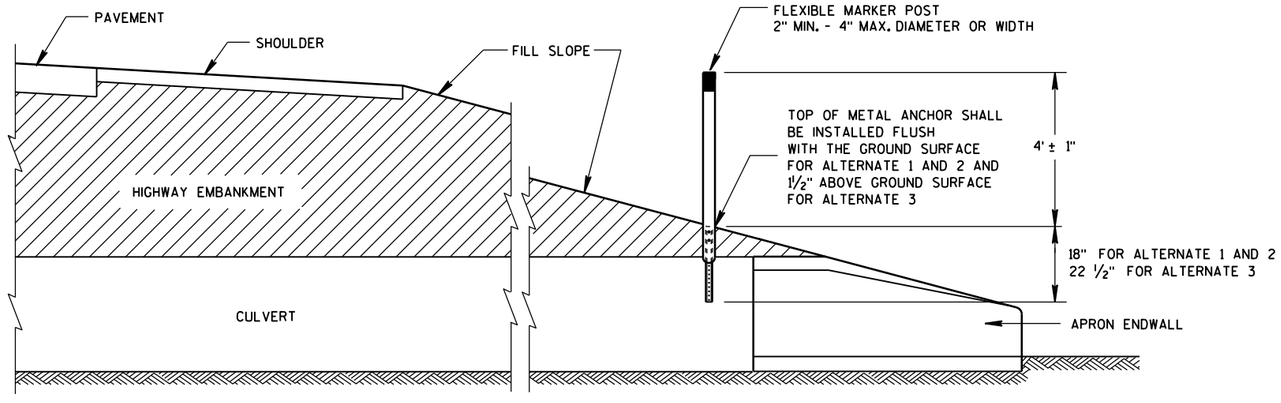
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

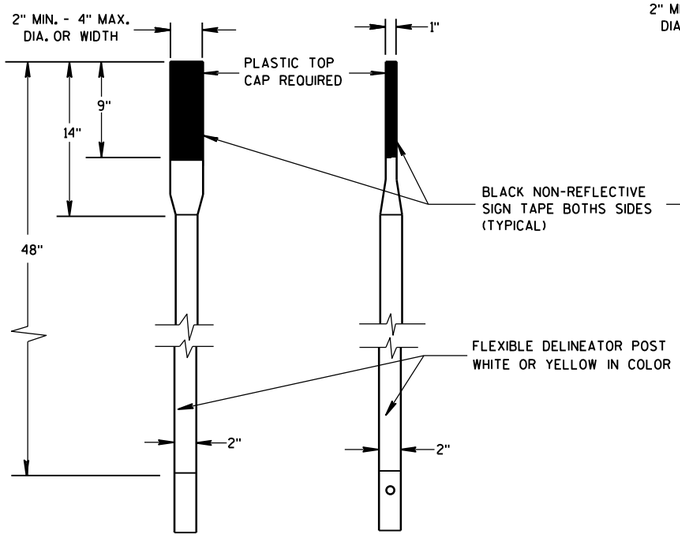
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

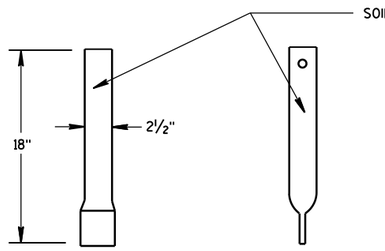
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S.D.D. 15 A 3-2a

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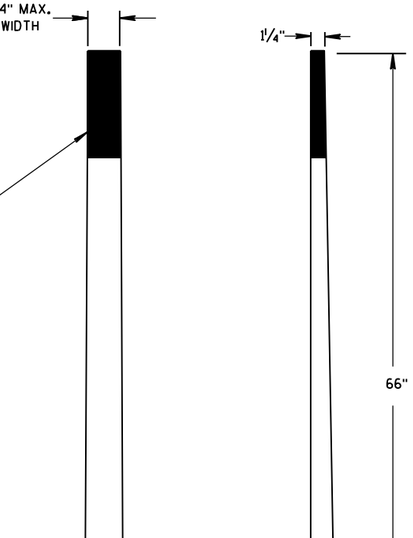
S.D.D. 15 A 3-2a





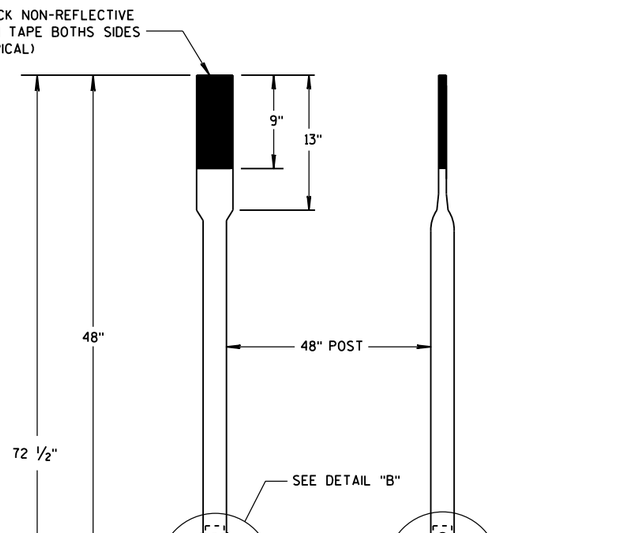
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

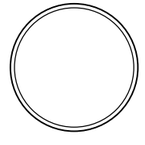
ALTERNATE 2



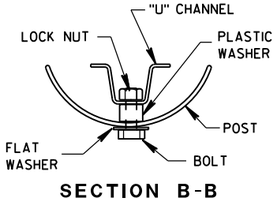
FRONT VIEW SIDE VIEW

ALTERNATE 3

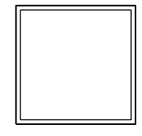
FLEXIBLE MARKER POSTS



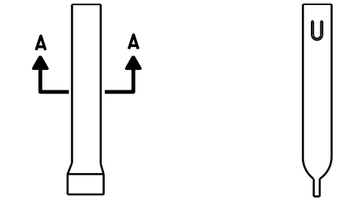
SECTION A-A



SECTION B-B

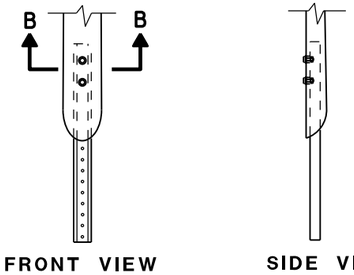


SECTION C-C



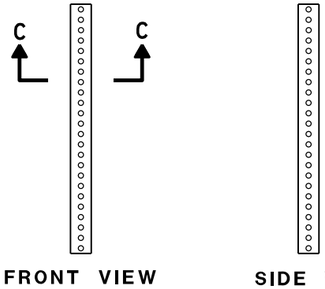
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

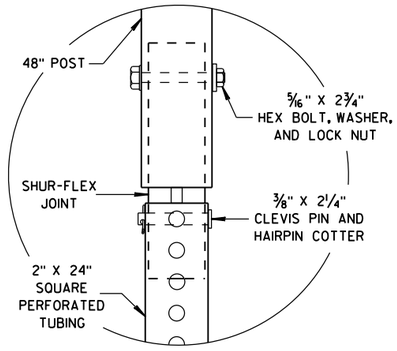
ALTERNATE 2



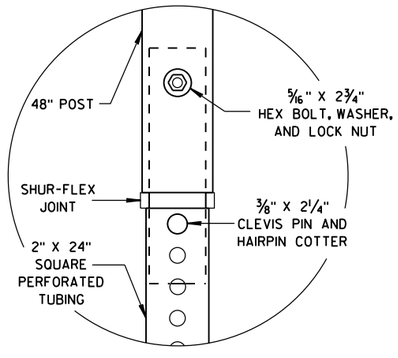
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

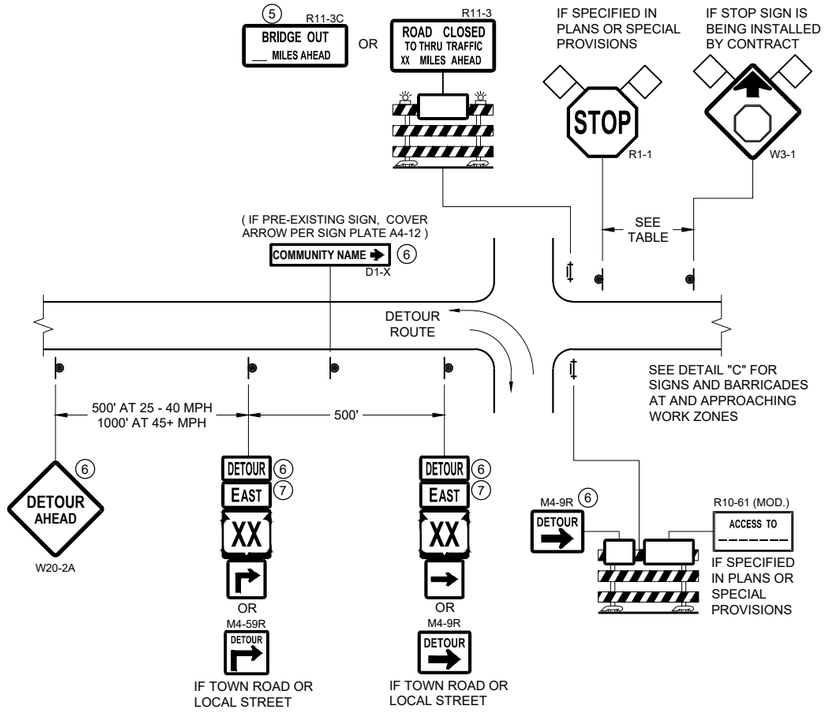
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

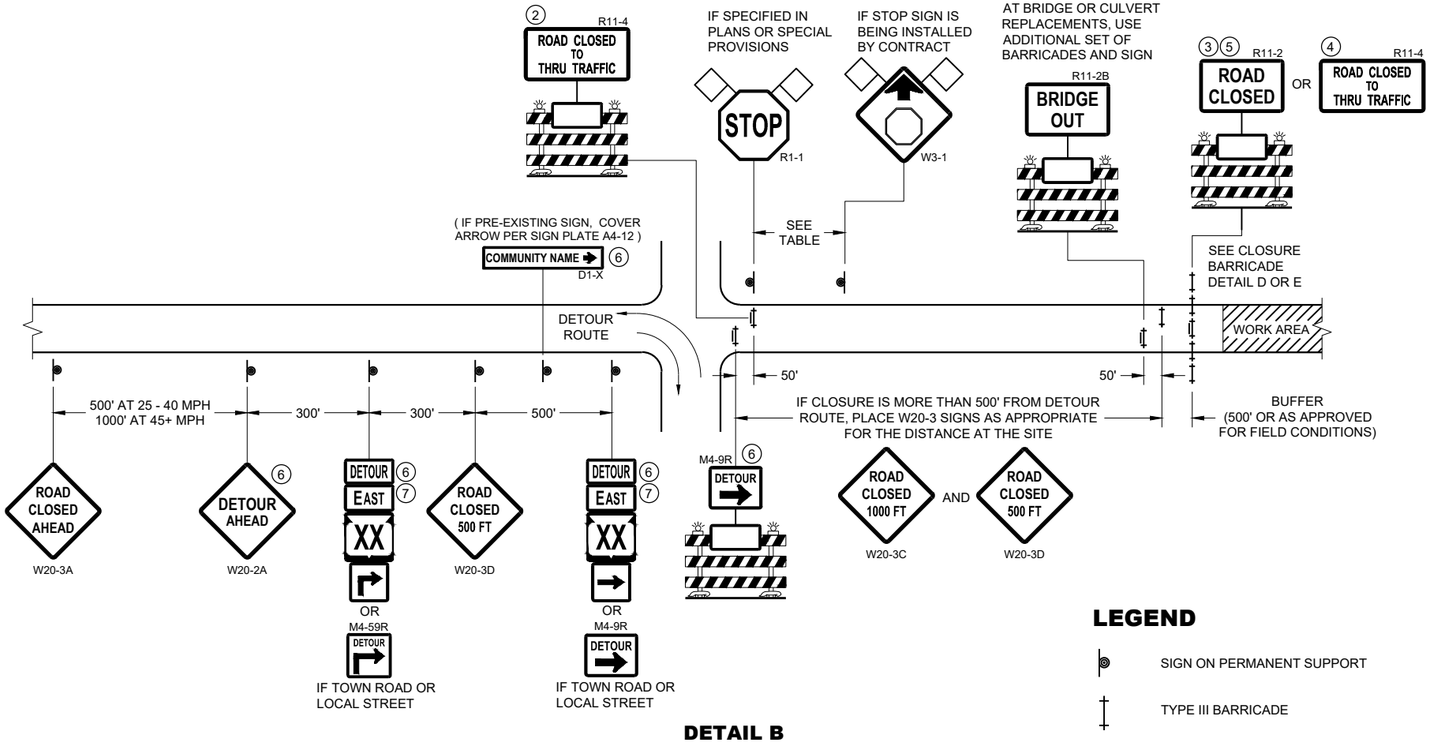
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S.D.D. 15 A 3-2b

6

S.D.D. 15 A 3-2b



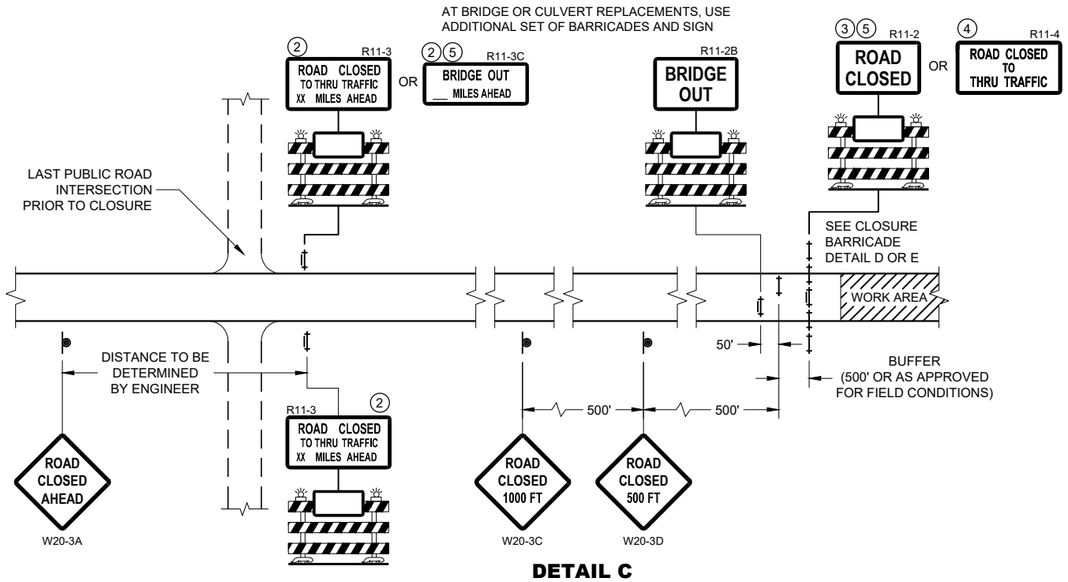


DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

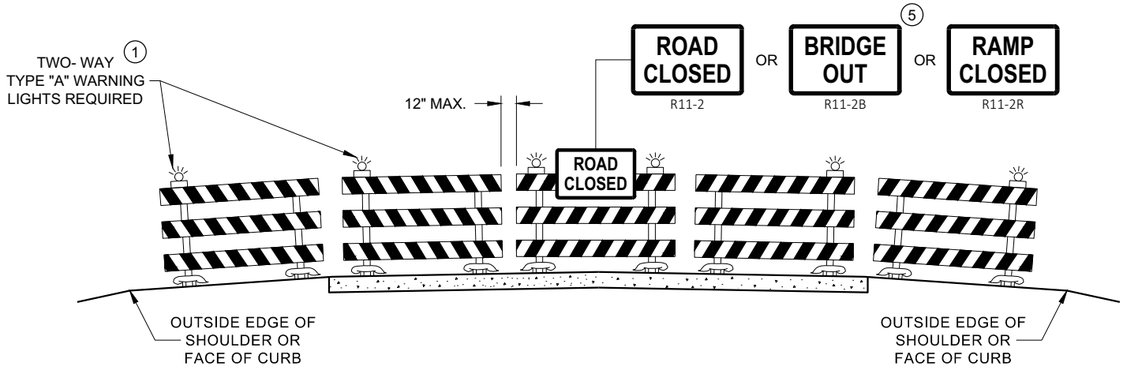
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

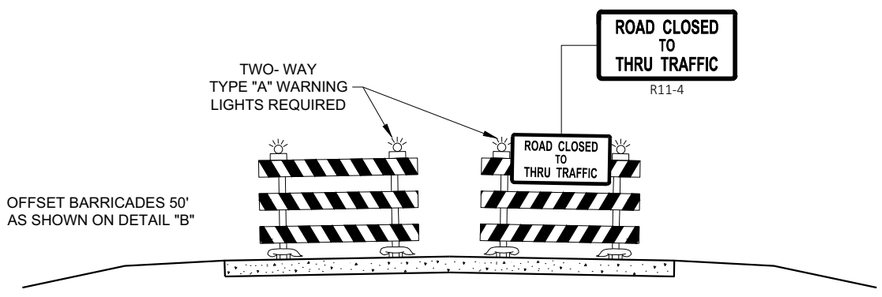
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SDD 15C02 - 08a

SDD 15C02 - 08a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE 656
FHWA

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SDD 15C02 - 08b

6

SDD 15C02 - 08b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

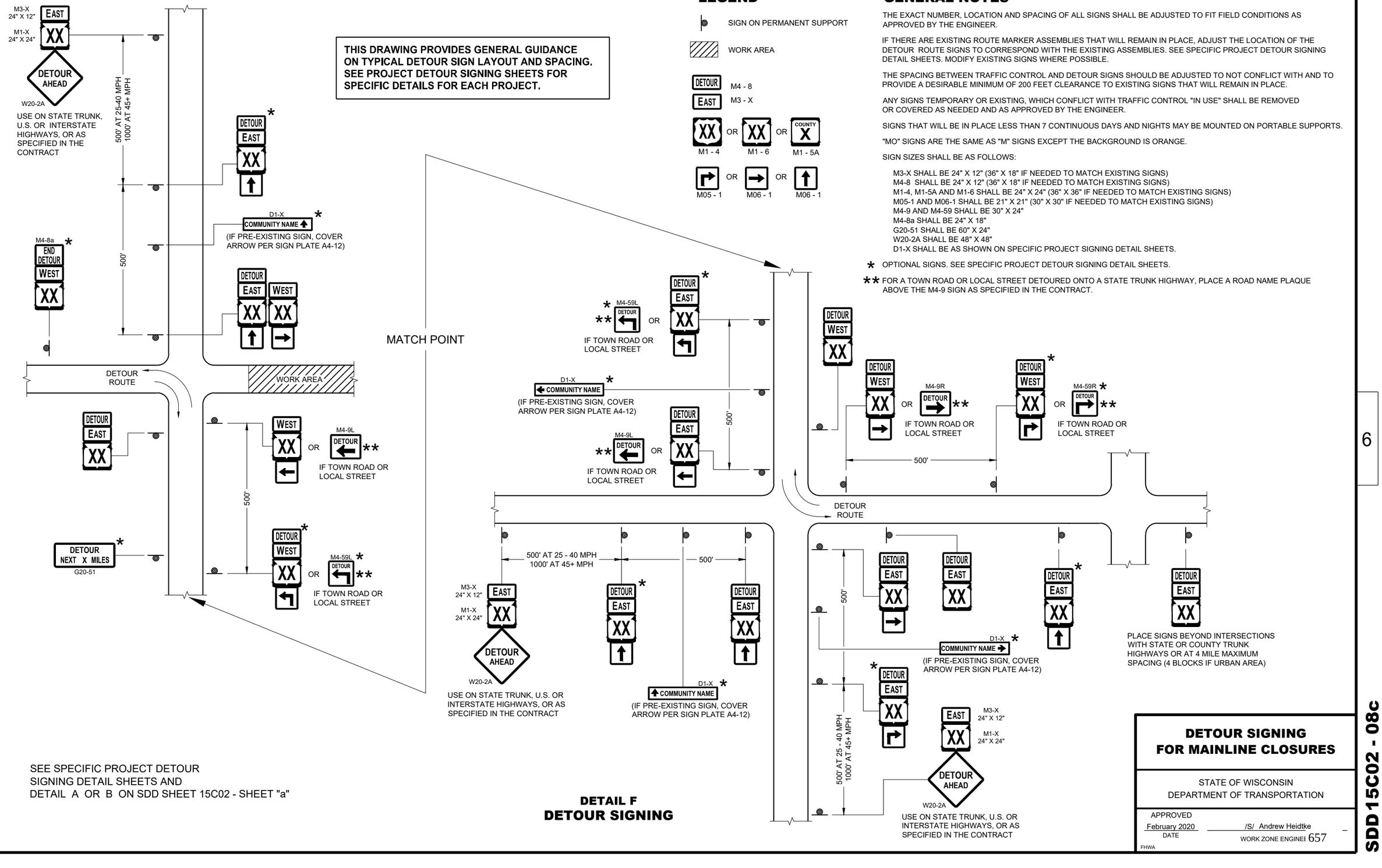
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

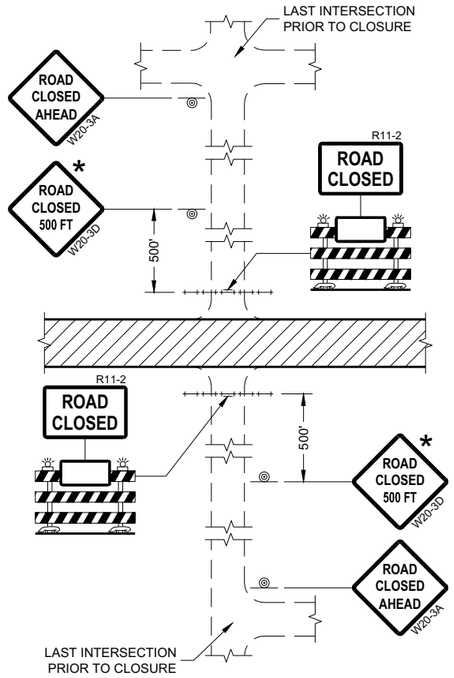
APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

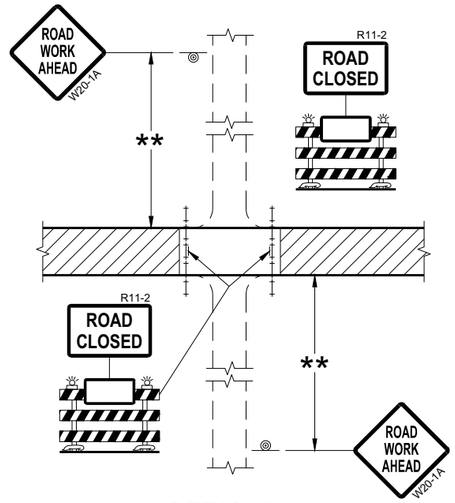
FHWA

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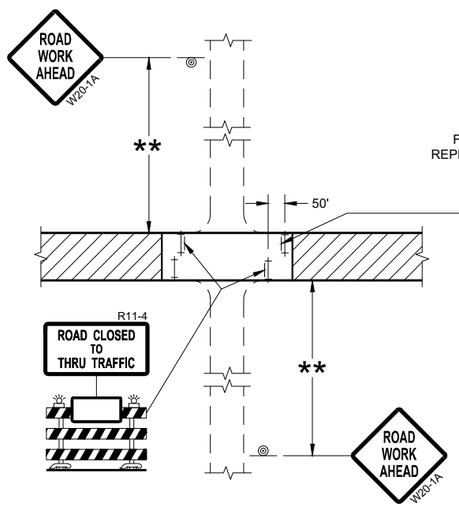
SDD 15C02 - 08c
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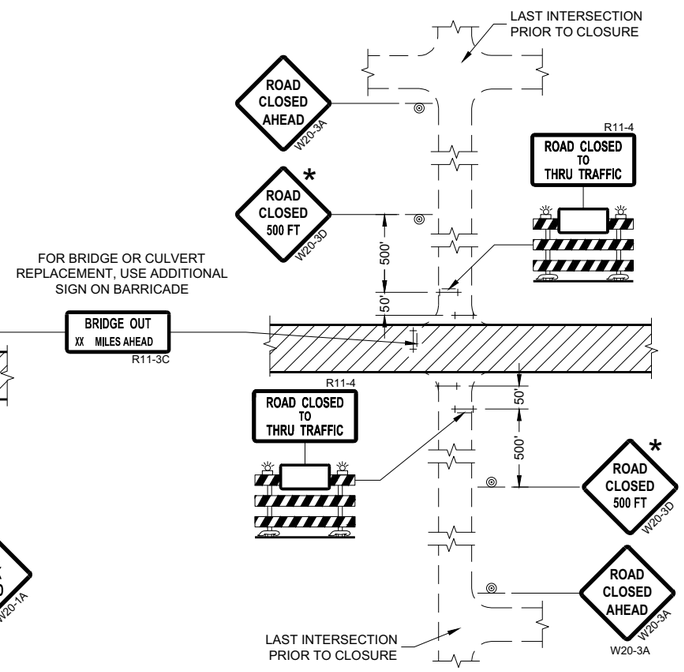
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6
SDD 15C03 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

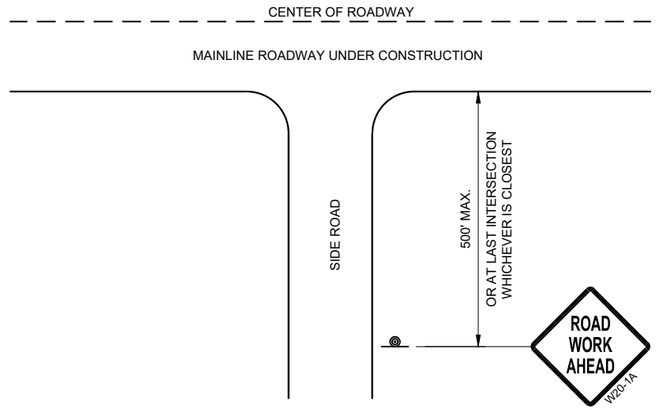
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

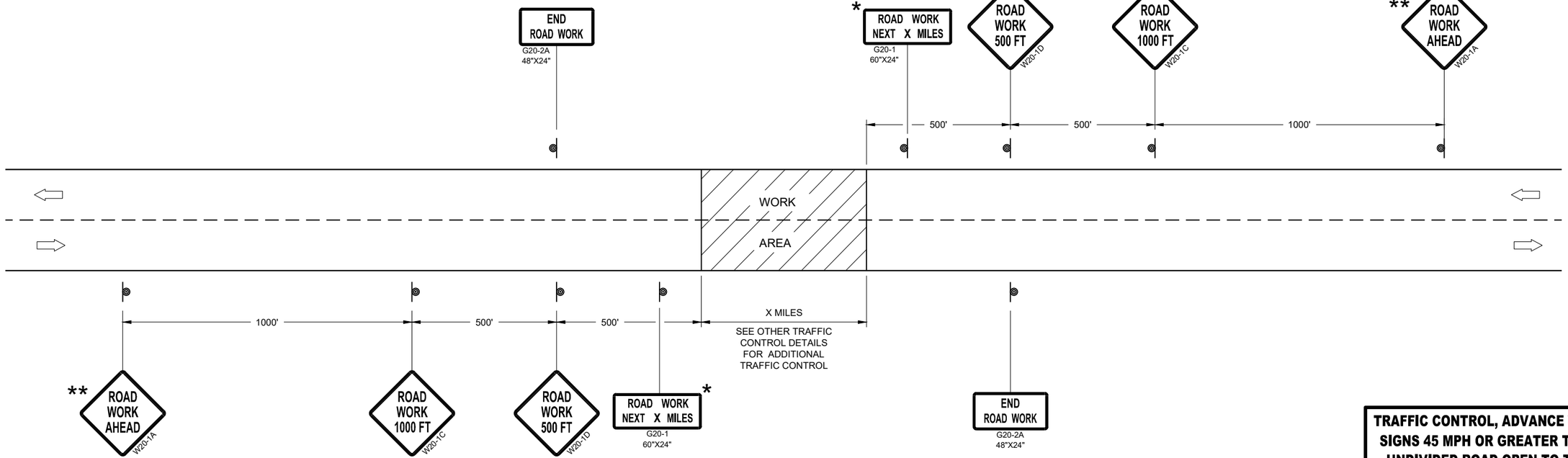
** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C04 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

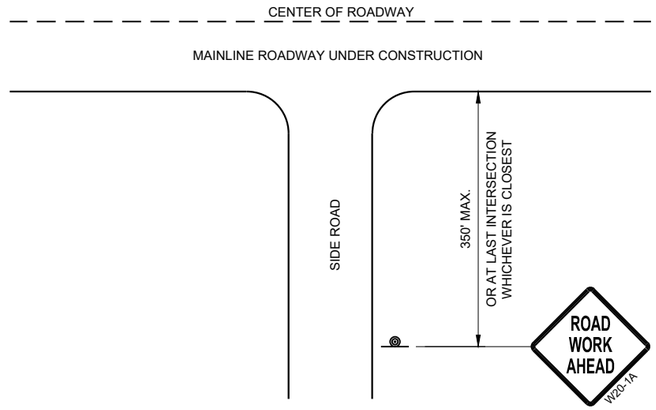
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



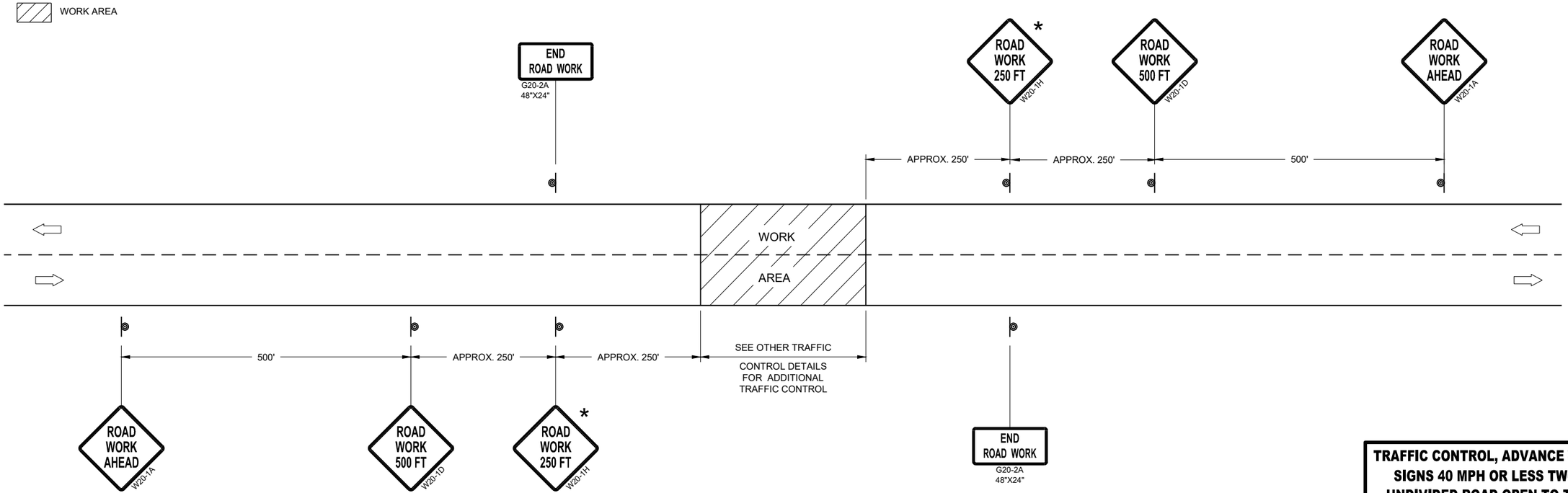
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

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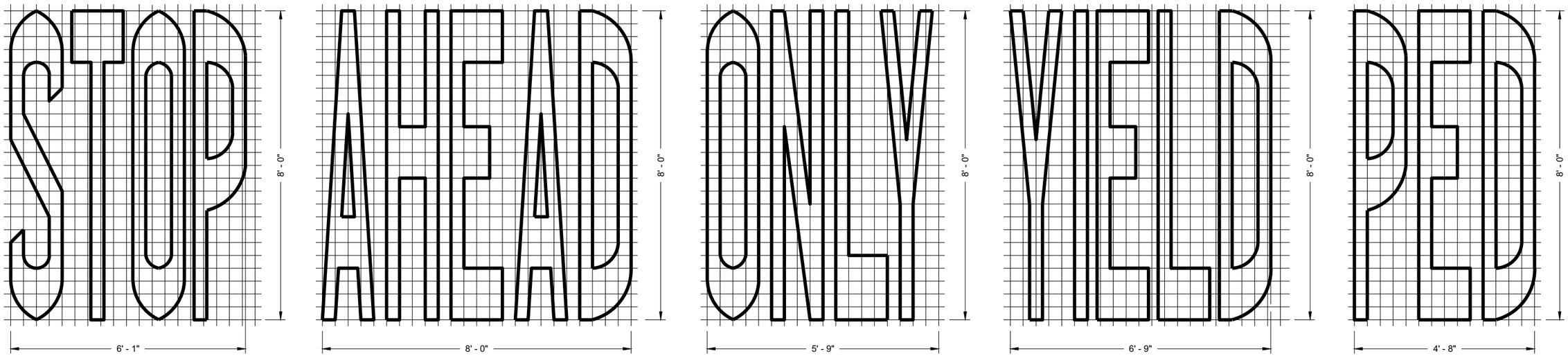
FHWA

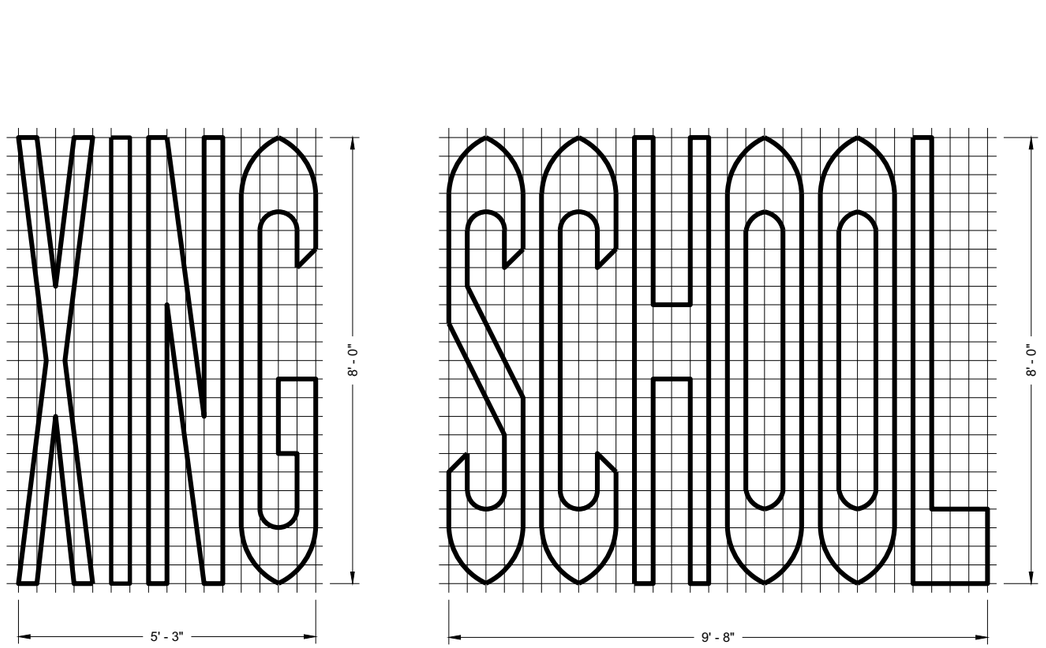
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SDD 15C05 - 05

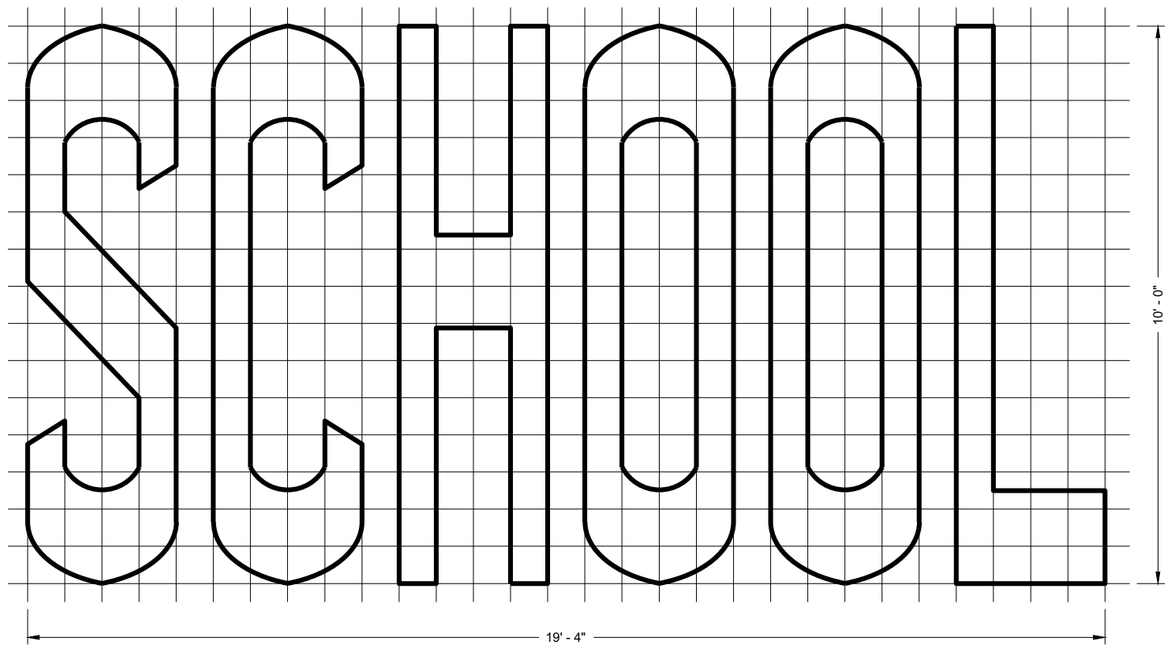
6

SDD 15C05 - 05





SINGLE LANE



TWO - LANE

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

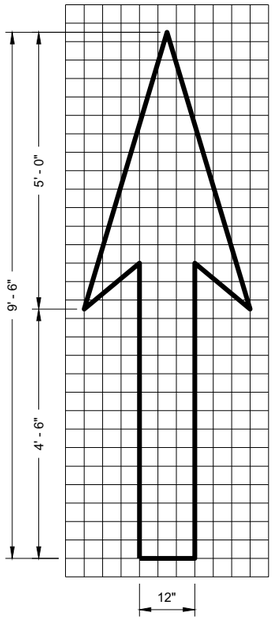
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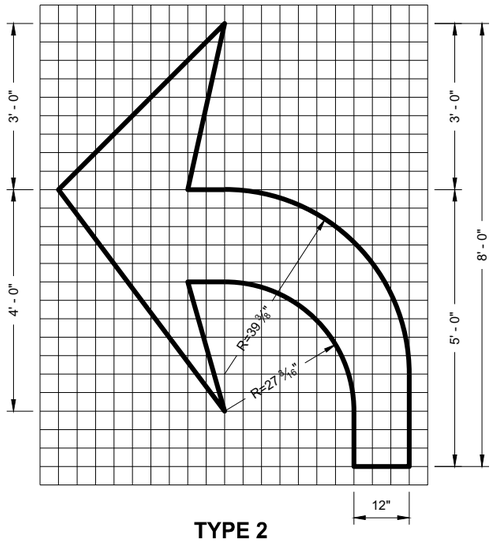
SDD 15C07 - 15b

GENERAL NOTES

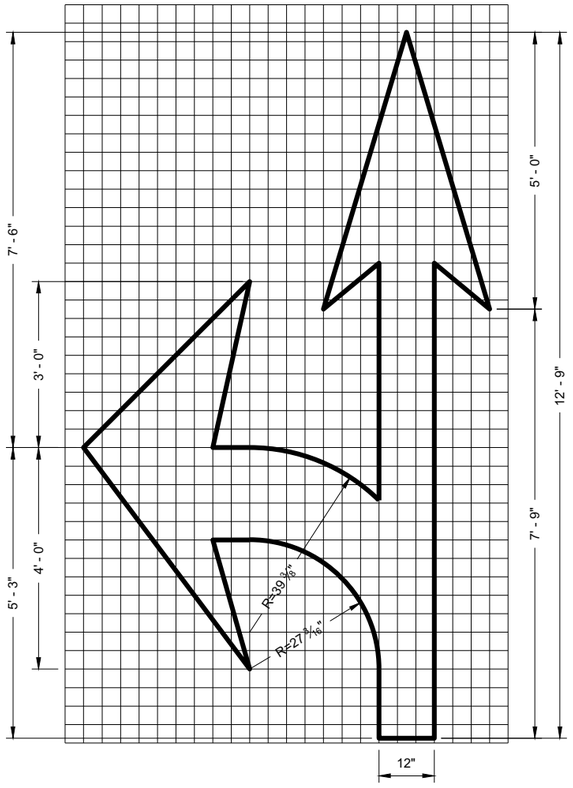
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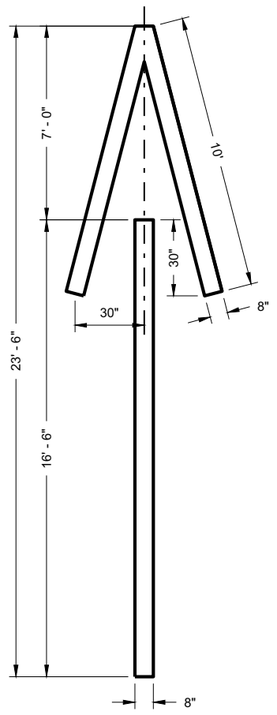
TYPE 1



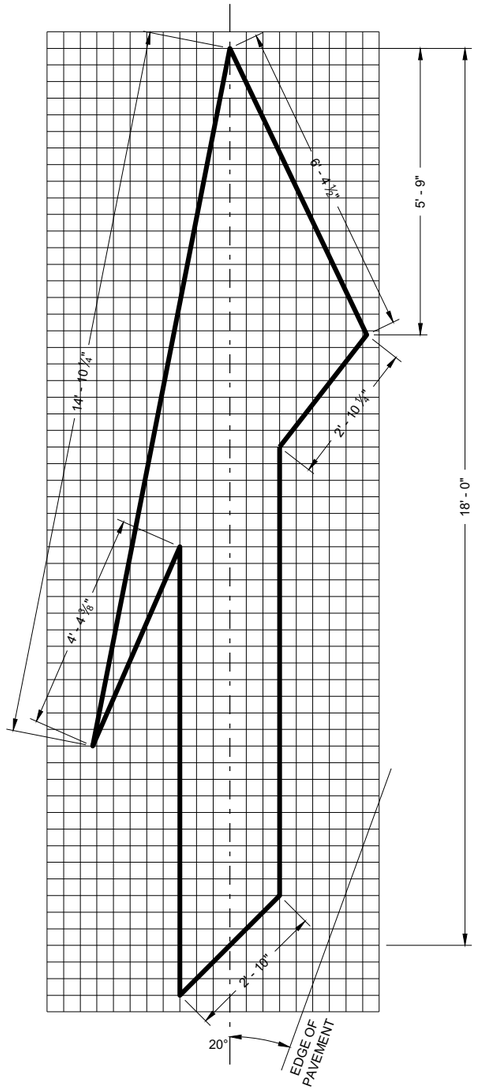
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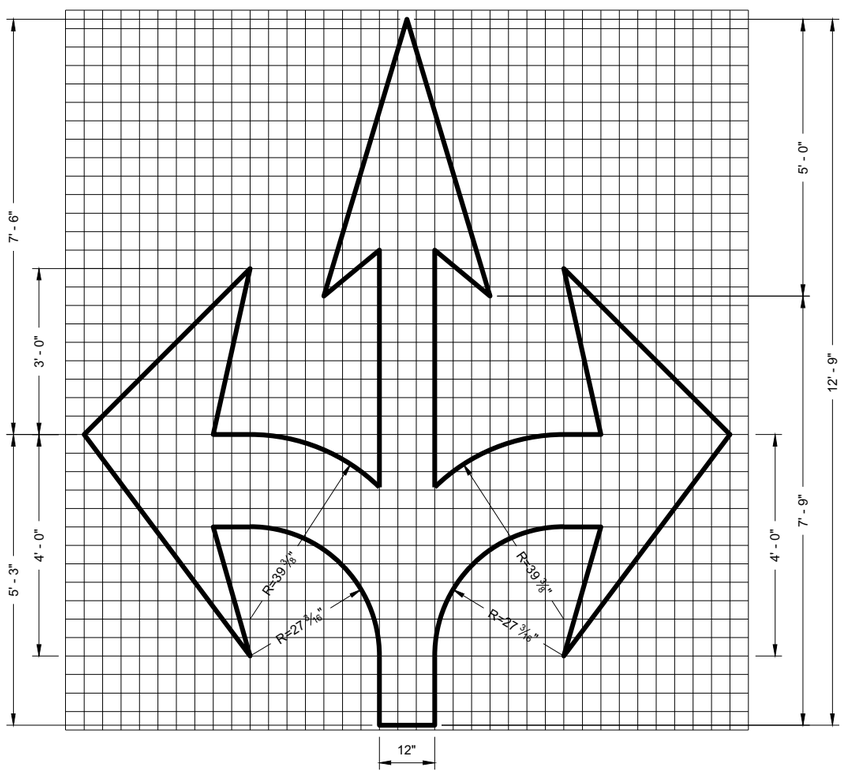
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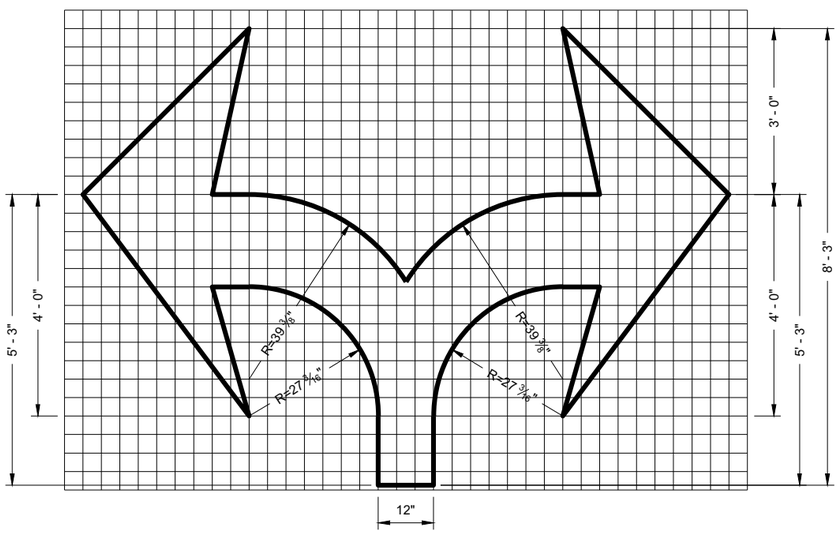
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

662

6

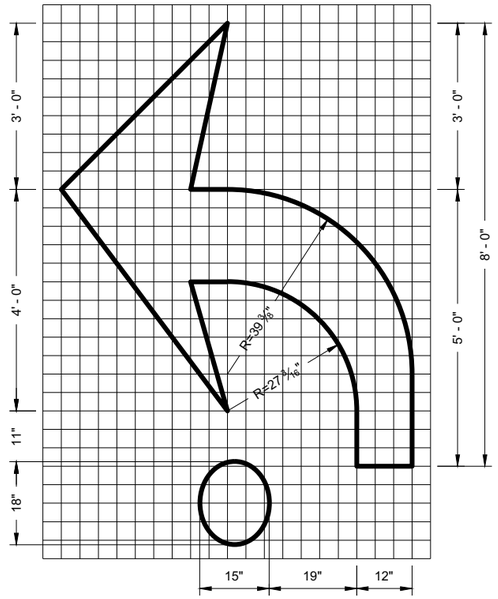
SDD 15C07 - 15c

6

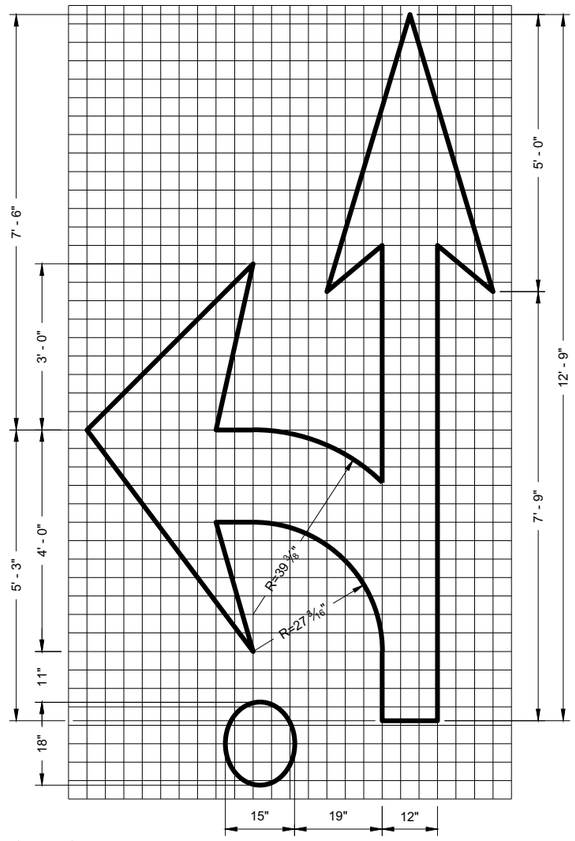
SDD 15C07 - 15c

GENERAL NOTES

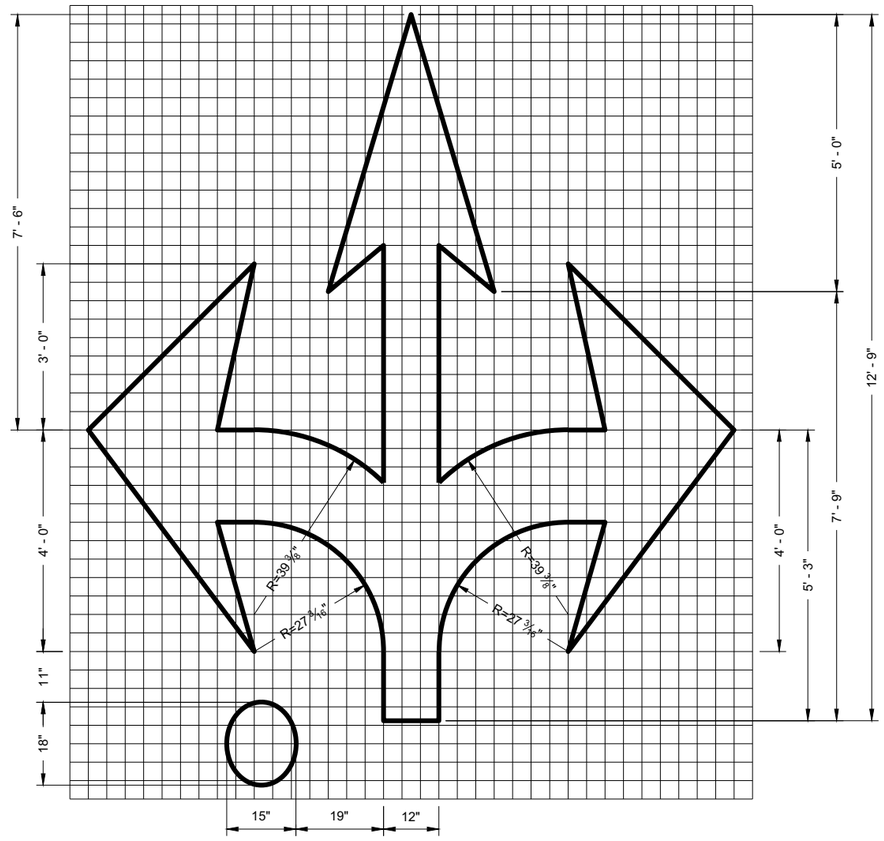
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



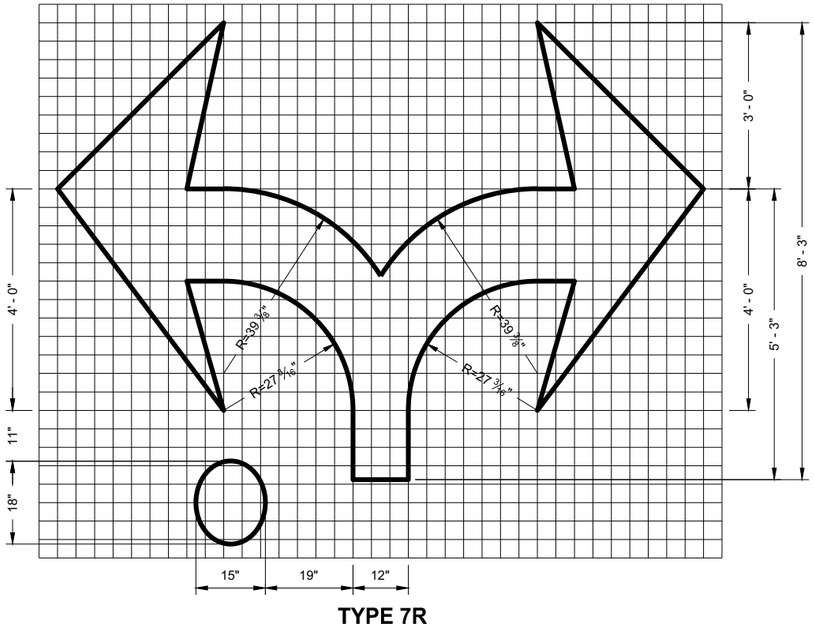
TYPE 2R



TYPE 3R



TYPE 6R



TYPE 7R

ROUNDABOUT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

November 2019
DATE

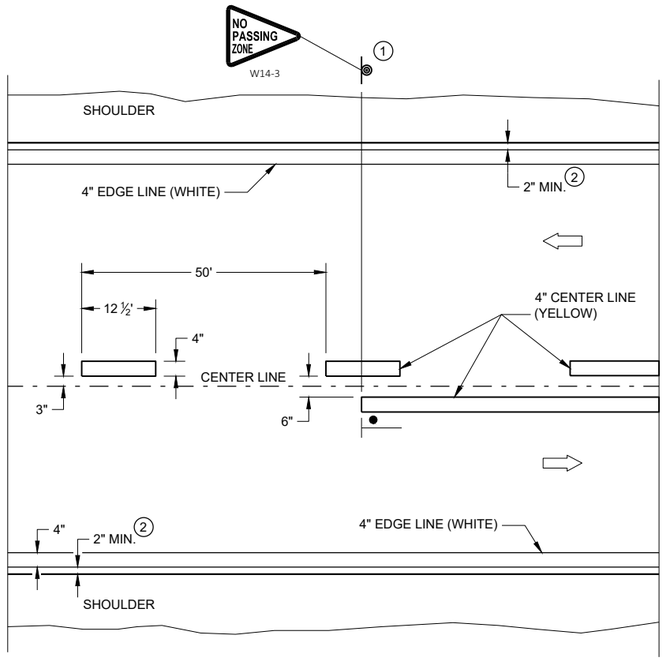
/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

663

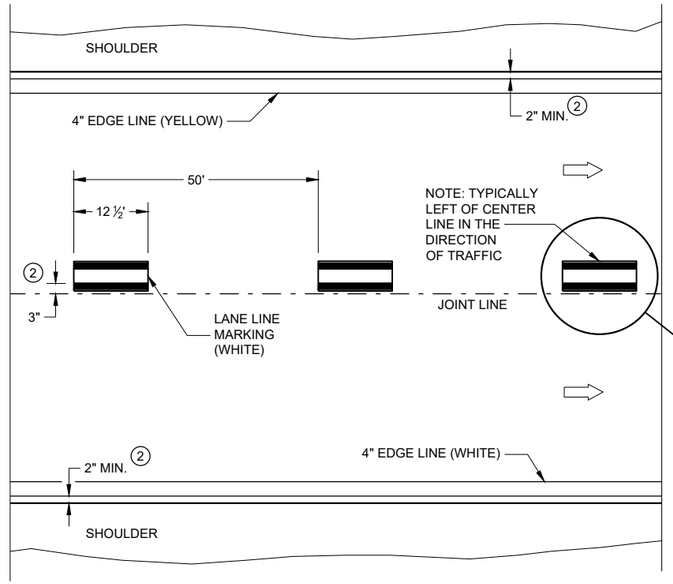
FHWA

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SDD 15C07 - 15d

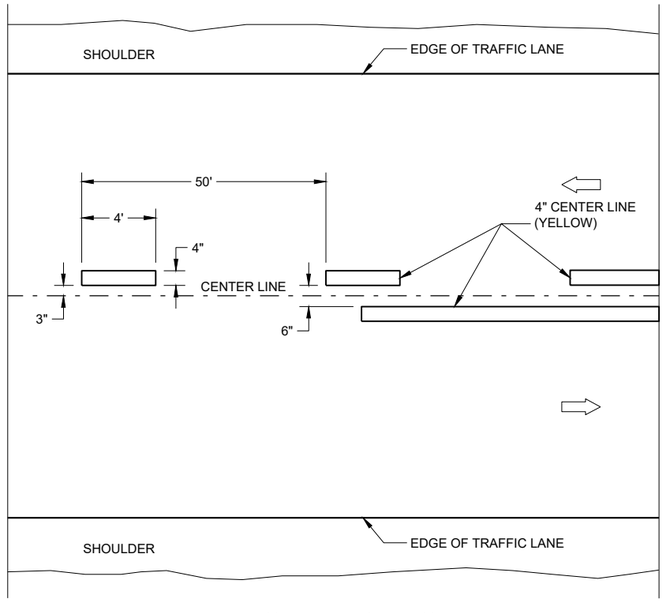


TWO WAY TRAFFIC

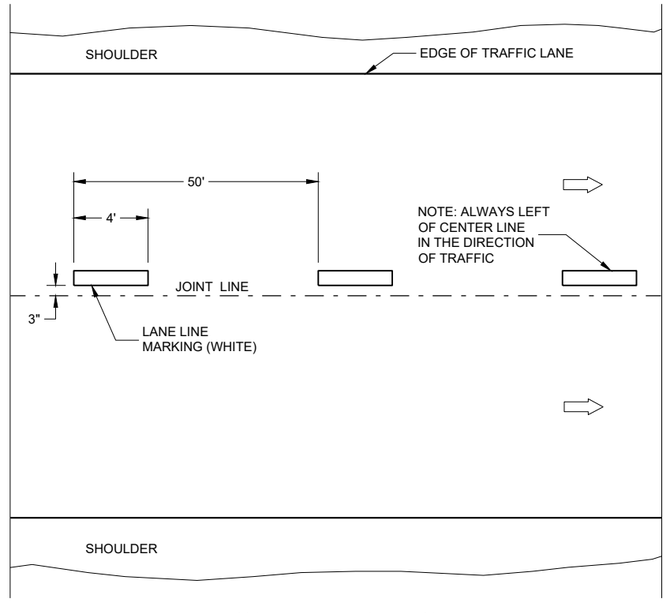


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

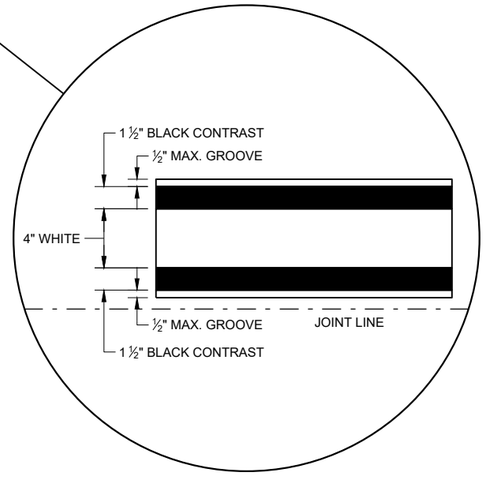
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020 — DATE
/S/ Matthew Rauch — STATEWIDE SIGNING AND M ENGINEER

FHWA

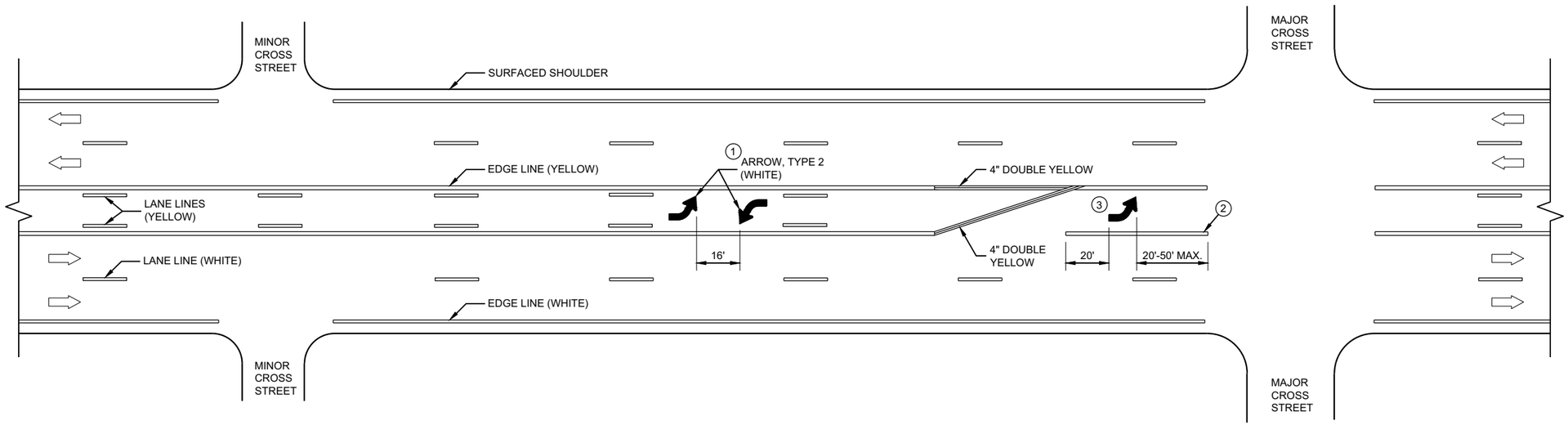
SDD 15C08 - 20a

SDD 15C08 - 20a

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 8" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

6

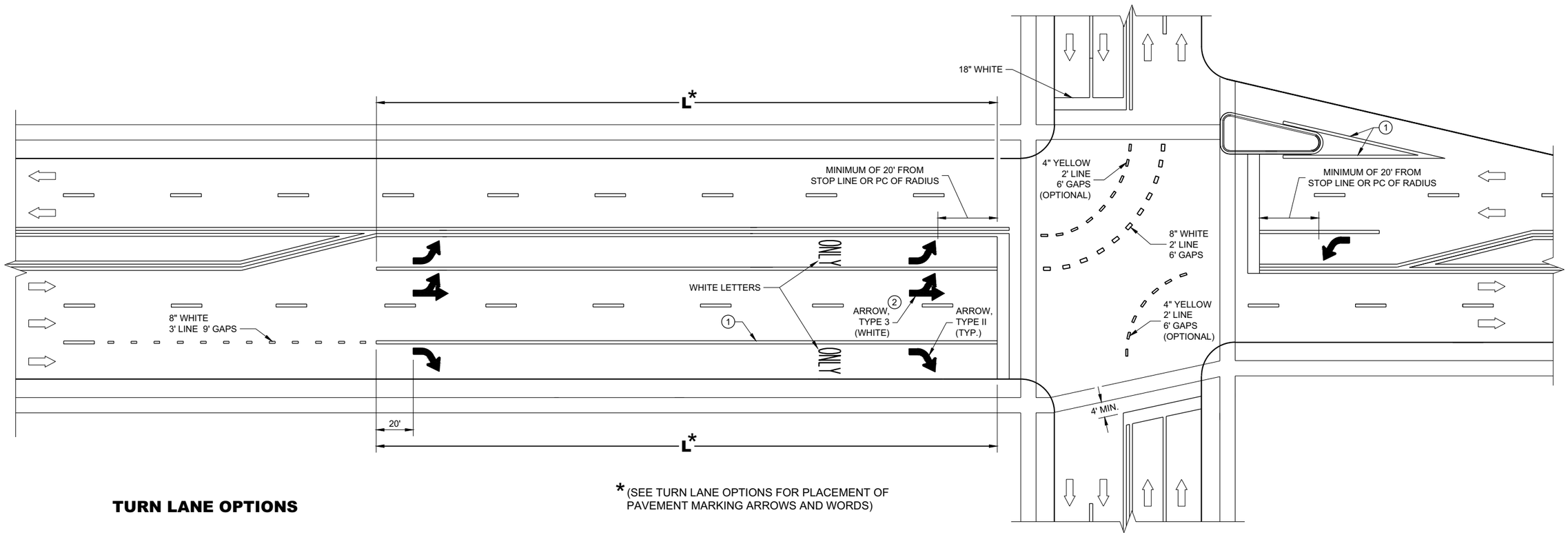
6

SDD 15C08 - 20b

SDD 15C08 - 20b

PAVEMENT MARKING (TURN LANES)

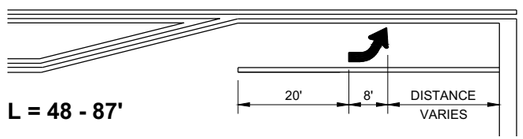
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



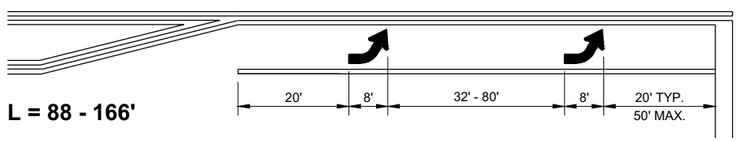
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

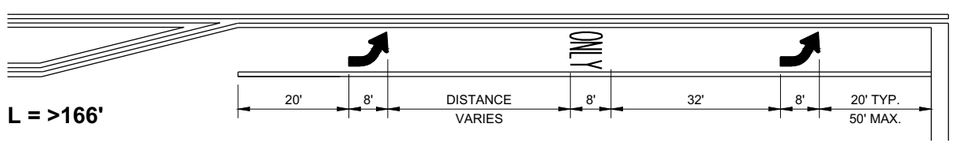
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. 8" WHITE
2. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

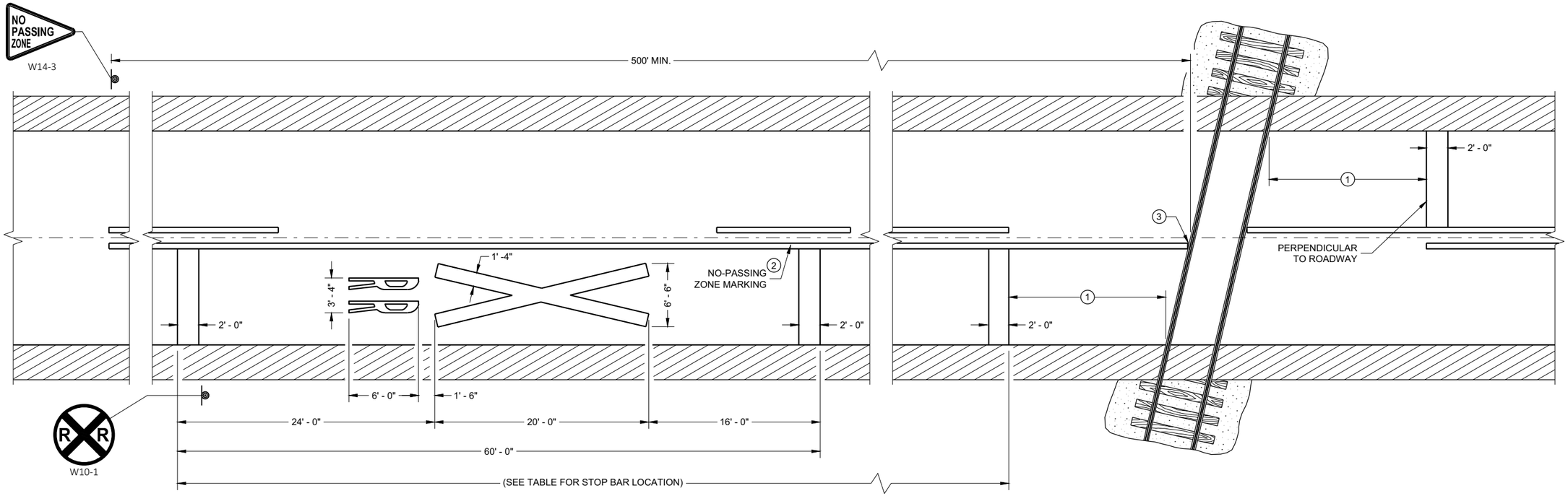
L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

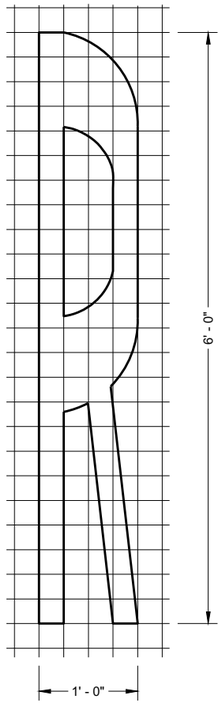
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C08 - 20c



PAVEMENT MARKING



LEGEND

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

TRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

(1) MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNAL , GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.

(2) 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.

(3) FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

DISTANCE TABLE

TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

POSTED SPEED (M.P.H.)	DIMENSION RANGE (FEET)
25	150* - 250'
30	200* - 300'
35	250* - 450'
40	300* - 500'
45	400* - 650'
50	550* - 800'
55	750* - 1000'
60	1000* - 1250'
65	1000* - 1250'

* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSED PROXIMITY OF DRIVEWAYS, BRIDGES, SIDE ROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.

SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD - HIGHWAY GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

667

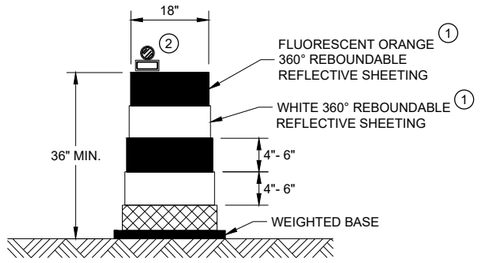
FHWA

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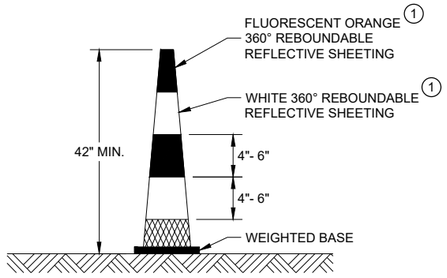
SDD15C09 - 12a

GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.

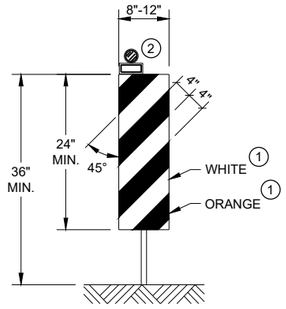


DRUM



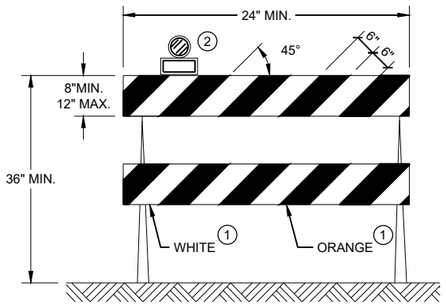
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



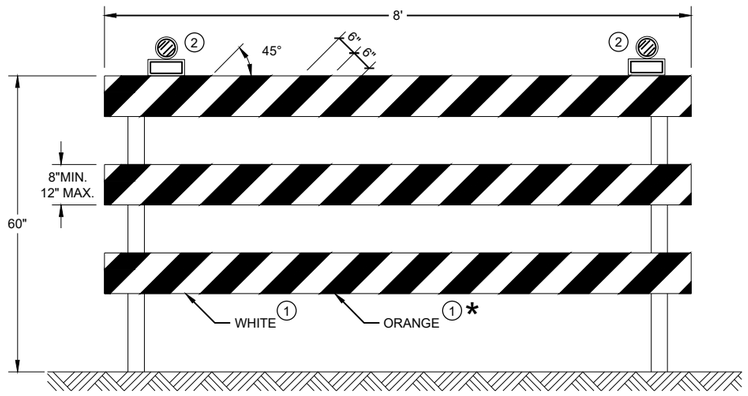
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

668

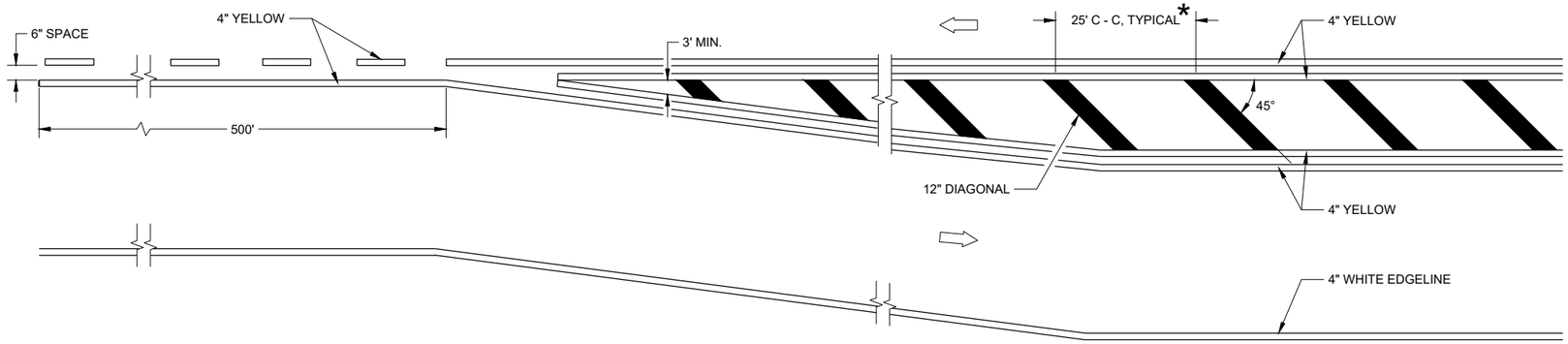
FHWA

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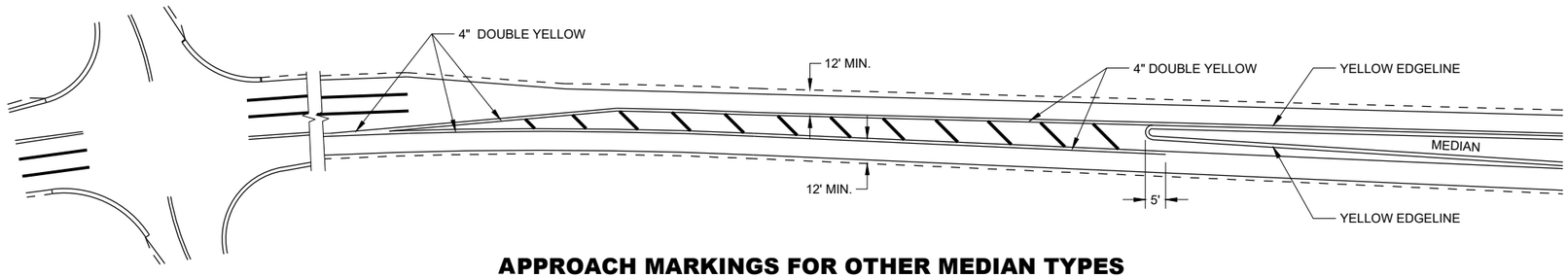
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SDD 15C11 - 09b

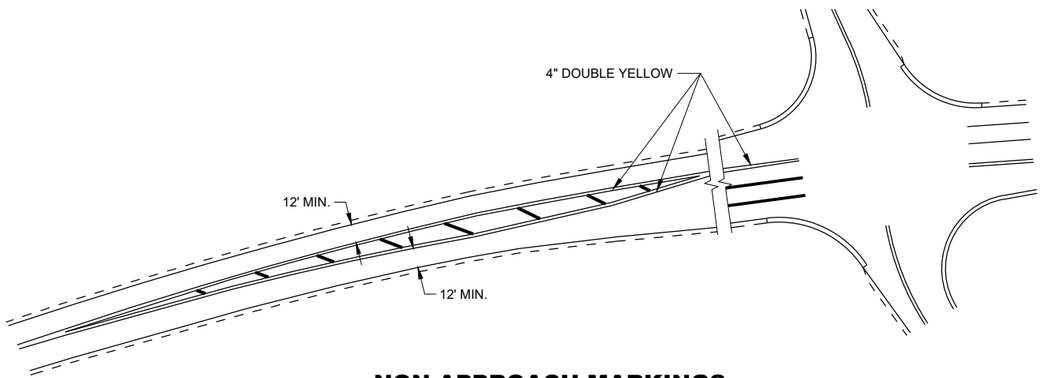
SDD 15C11 - 09b



MEDIAN ISLAND DETAIL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

GENERAL NOTES

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

DIRECTION OF TRAVEL

6

6

SDD 15C18 - 05a

SDD 15C18 - 05a

MEDIAN ISLAND PAVEMENT MARKINGS

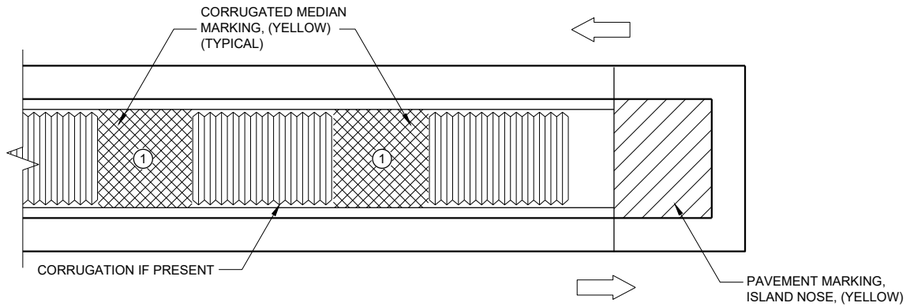
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

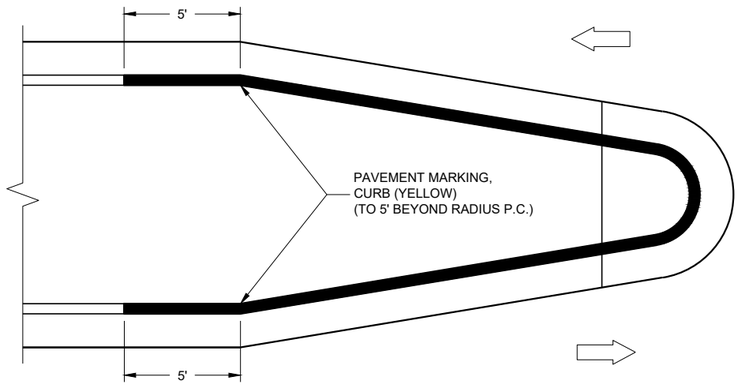
February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

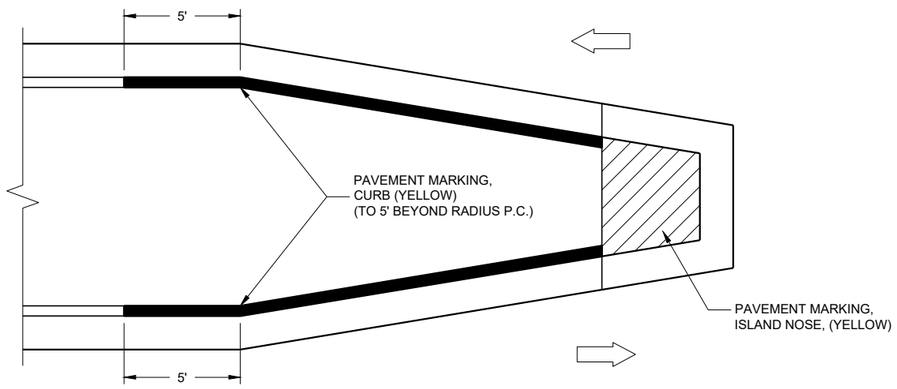
FHWA



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

PAVEMENT MARKINGS, MEDIAN ISLAND NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

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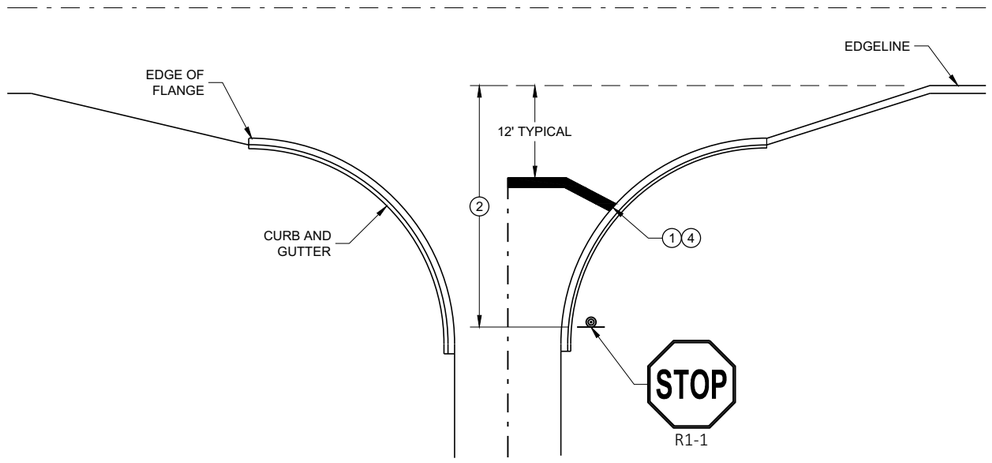
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SDD 15C18 - 05b
SDD15C18 - 05b

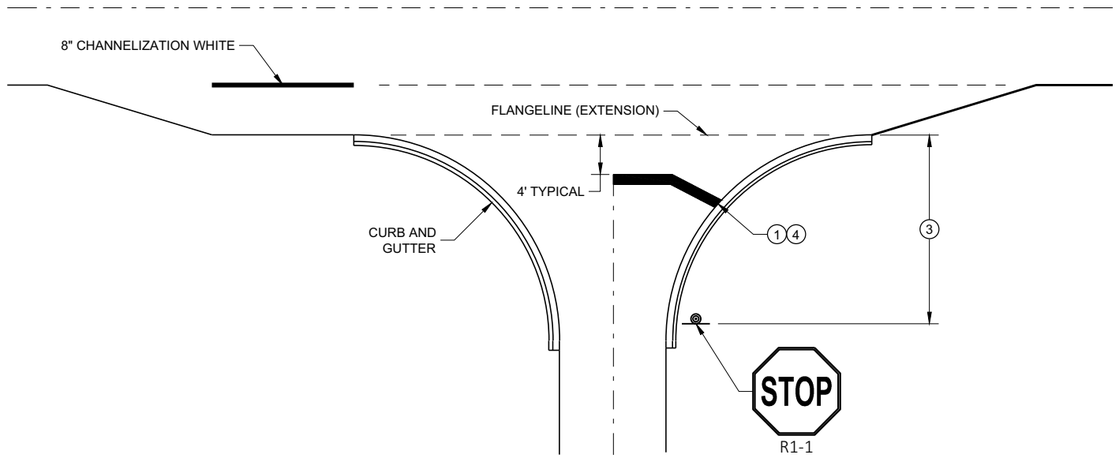
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

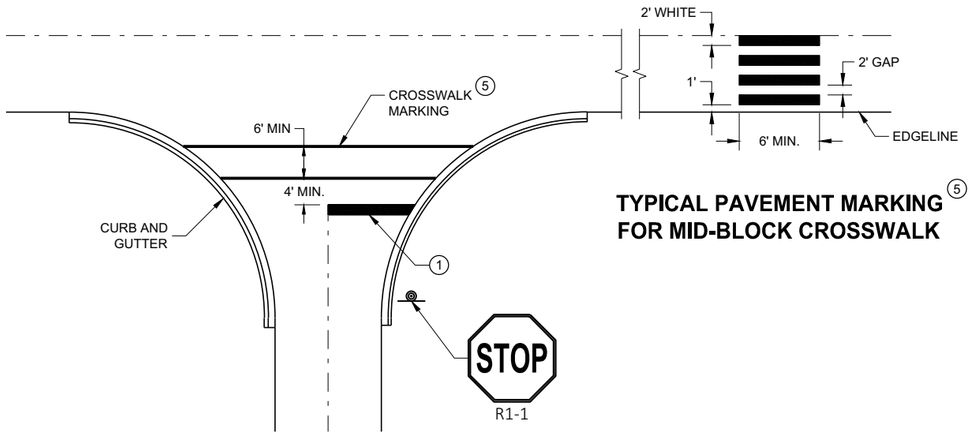
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

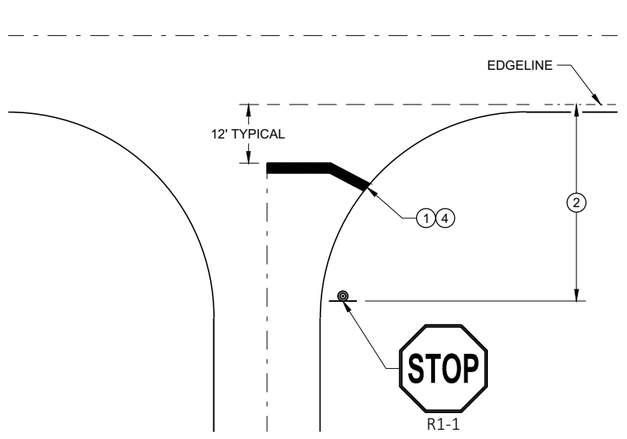


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING

TYPICAL PAVEMENT MARKING 5 FOR MID-BLOCK CROSSWALK



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

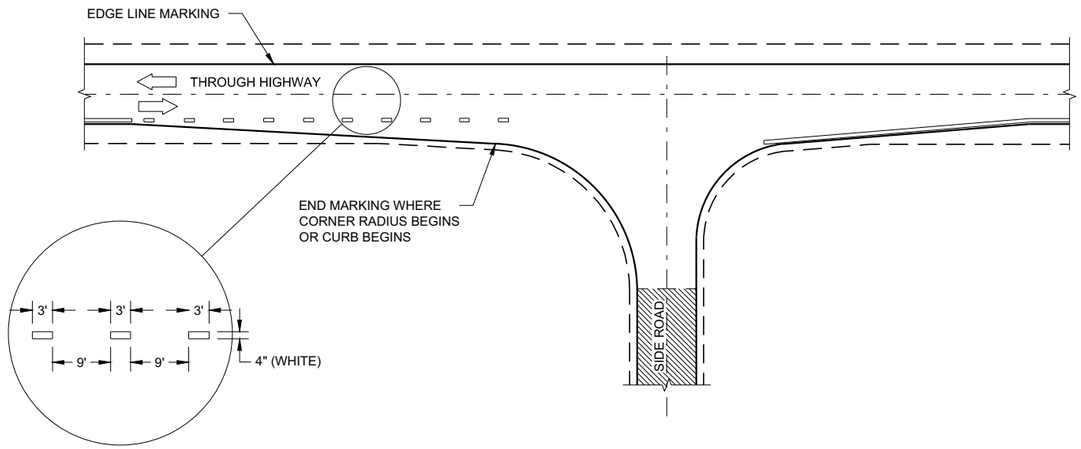
APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

6

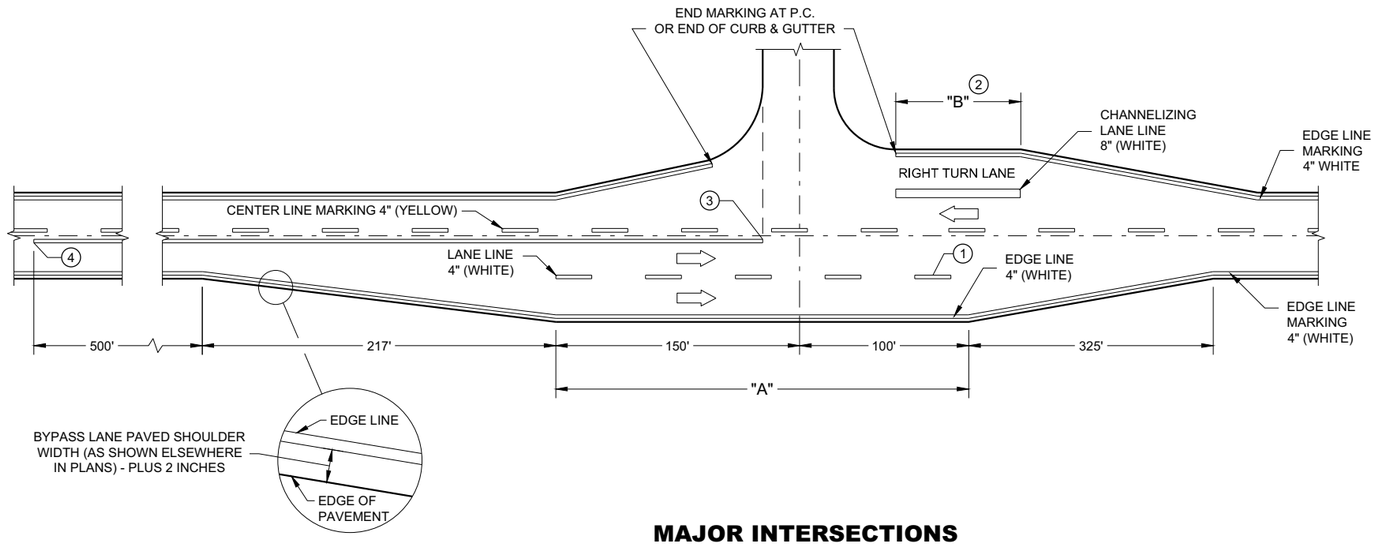
SDD 15C33 - 04

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SDD 15C33 - 04



MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

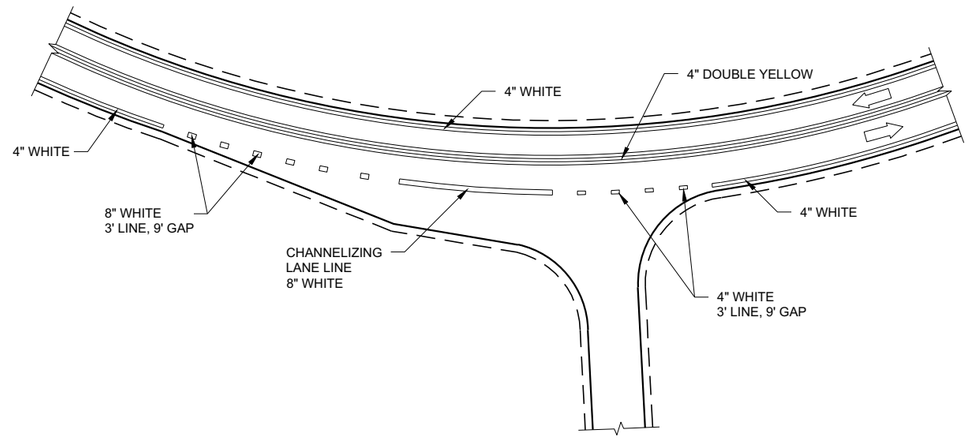
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

LEGEND

DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 15C35 - 04a

SDD 15C35 - 04a

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

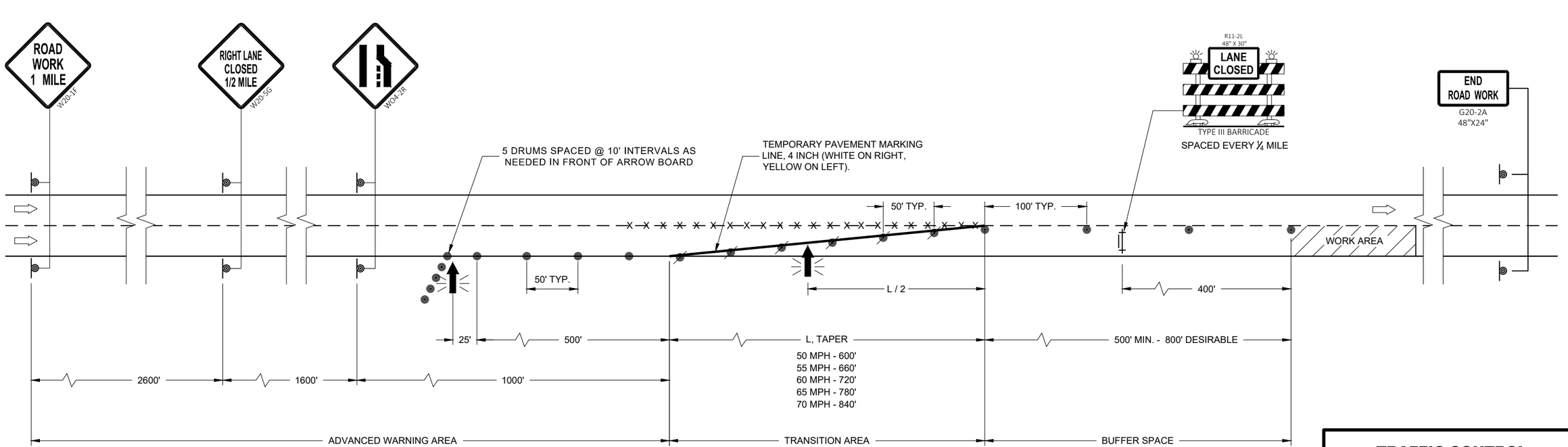
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D12 - 10a

6

SDD 15D12 - 10a

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

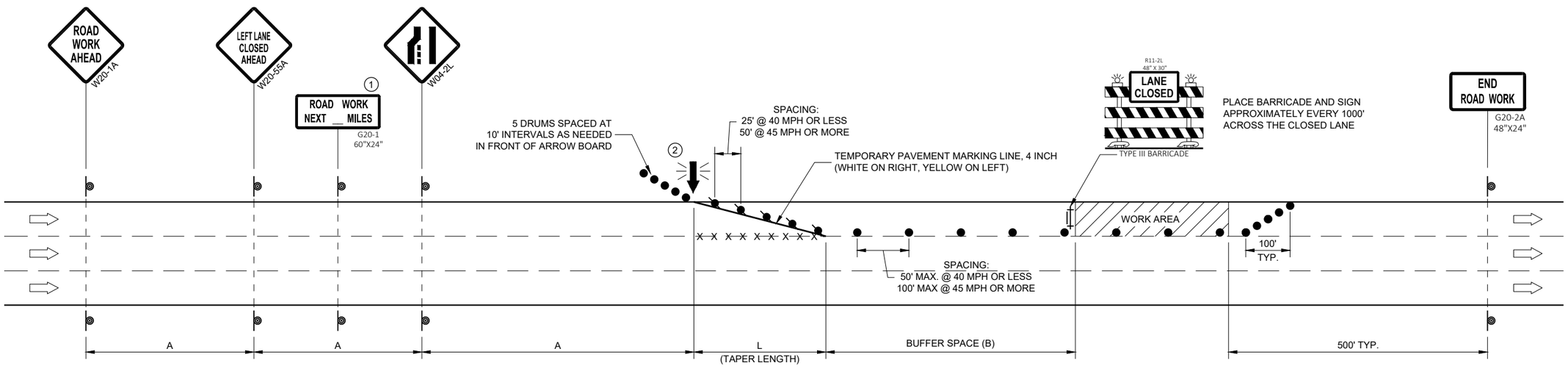
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'

TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

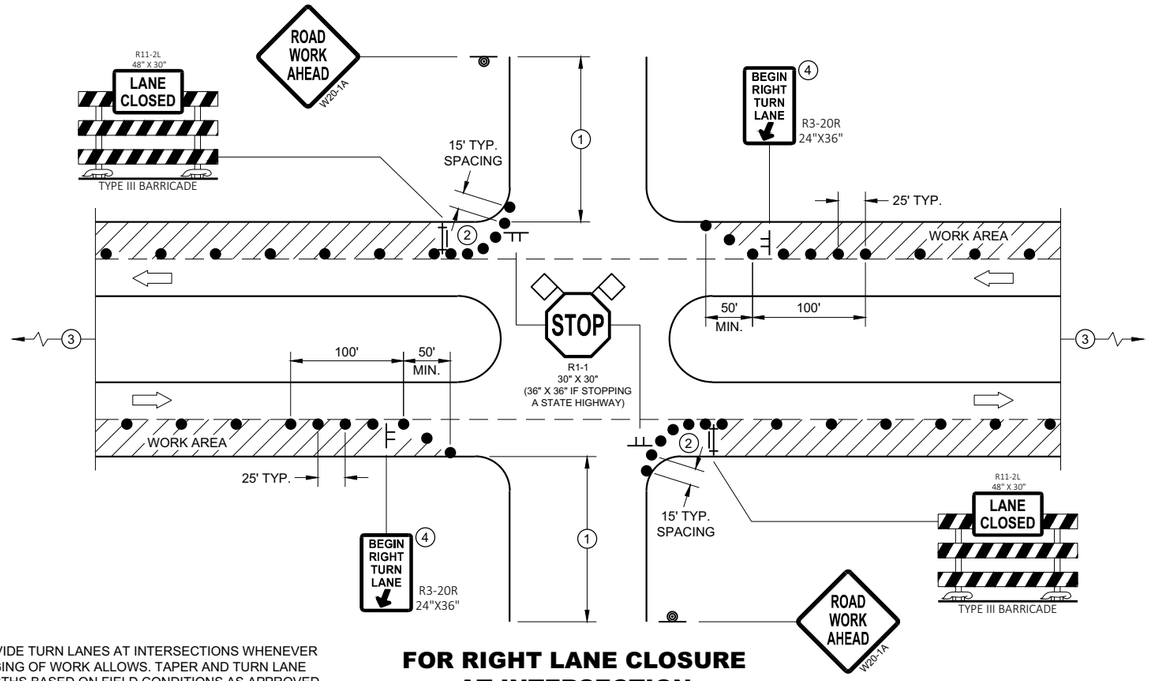
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SDD 15D20 - 06a

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SDD15D20 - 06a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR RIGHT LANE CLOSURE AT INTERSECTION

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

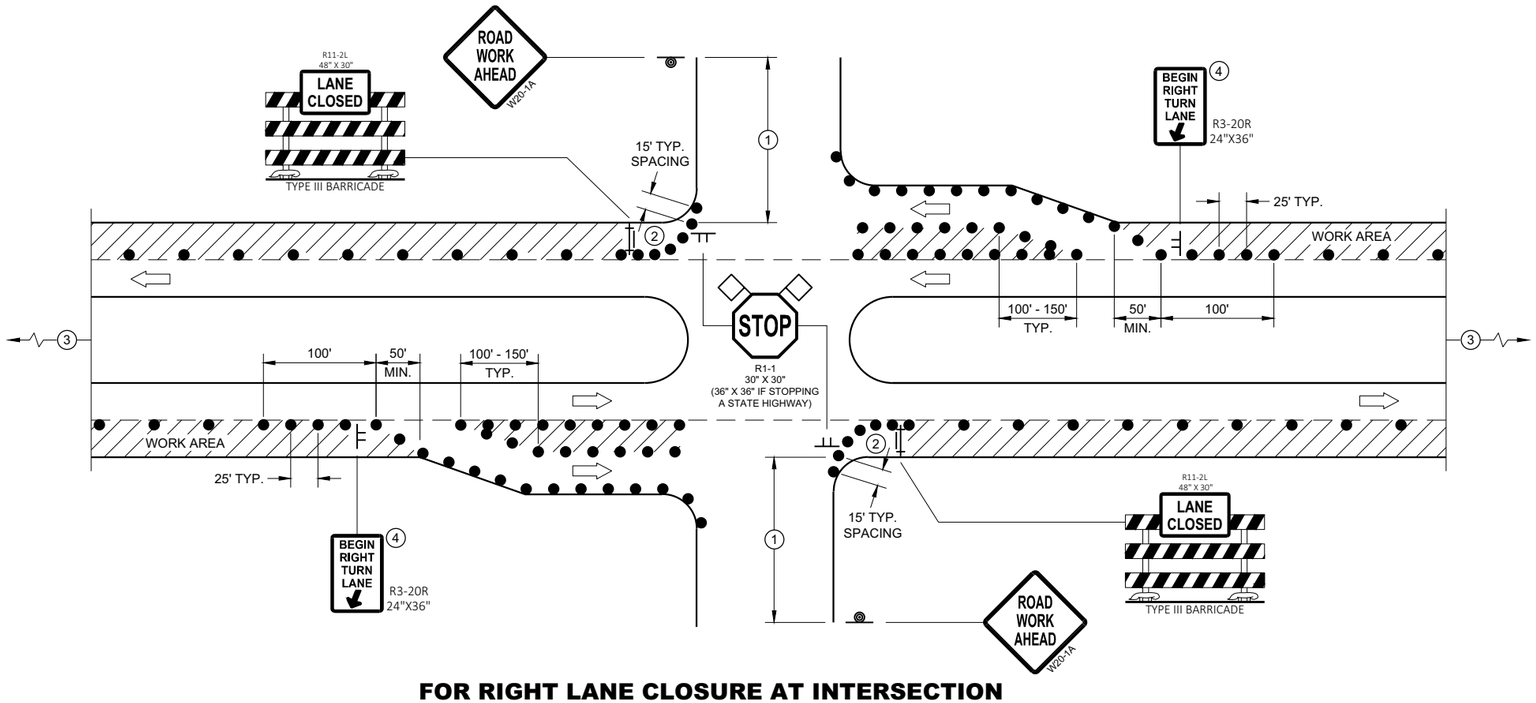
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

LEGEND

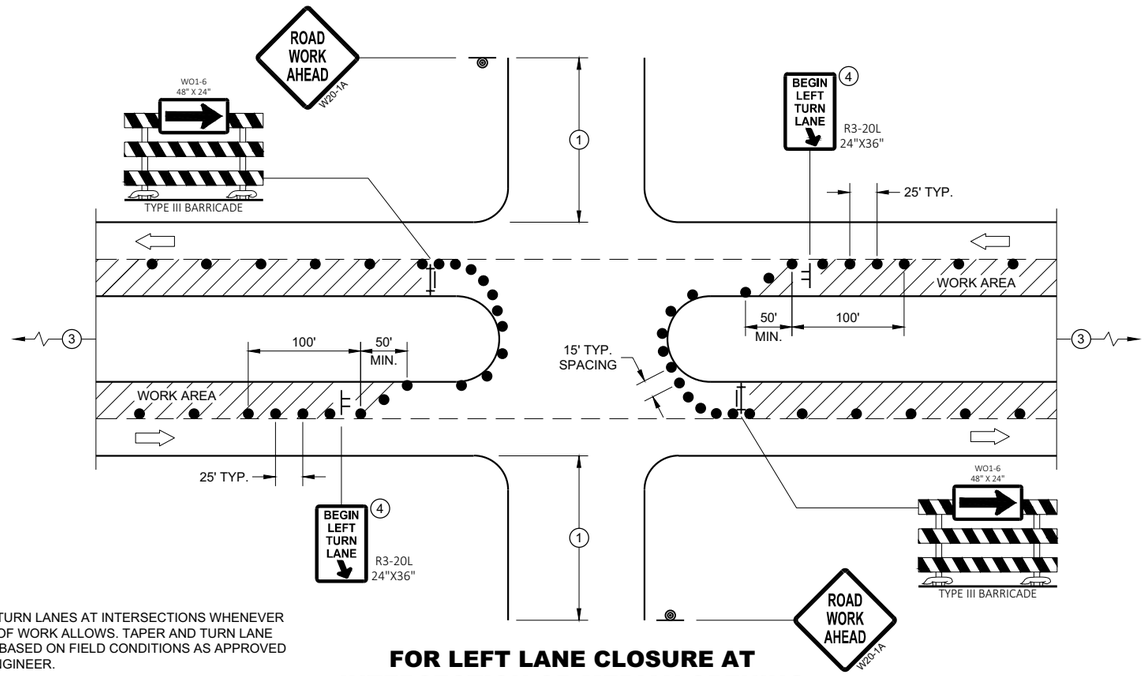
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 15D21 - 07a
SDD 15D21 - 07a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

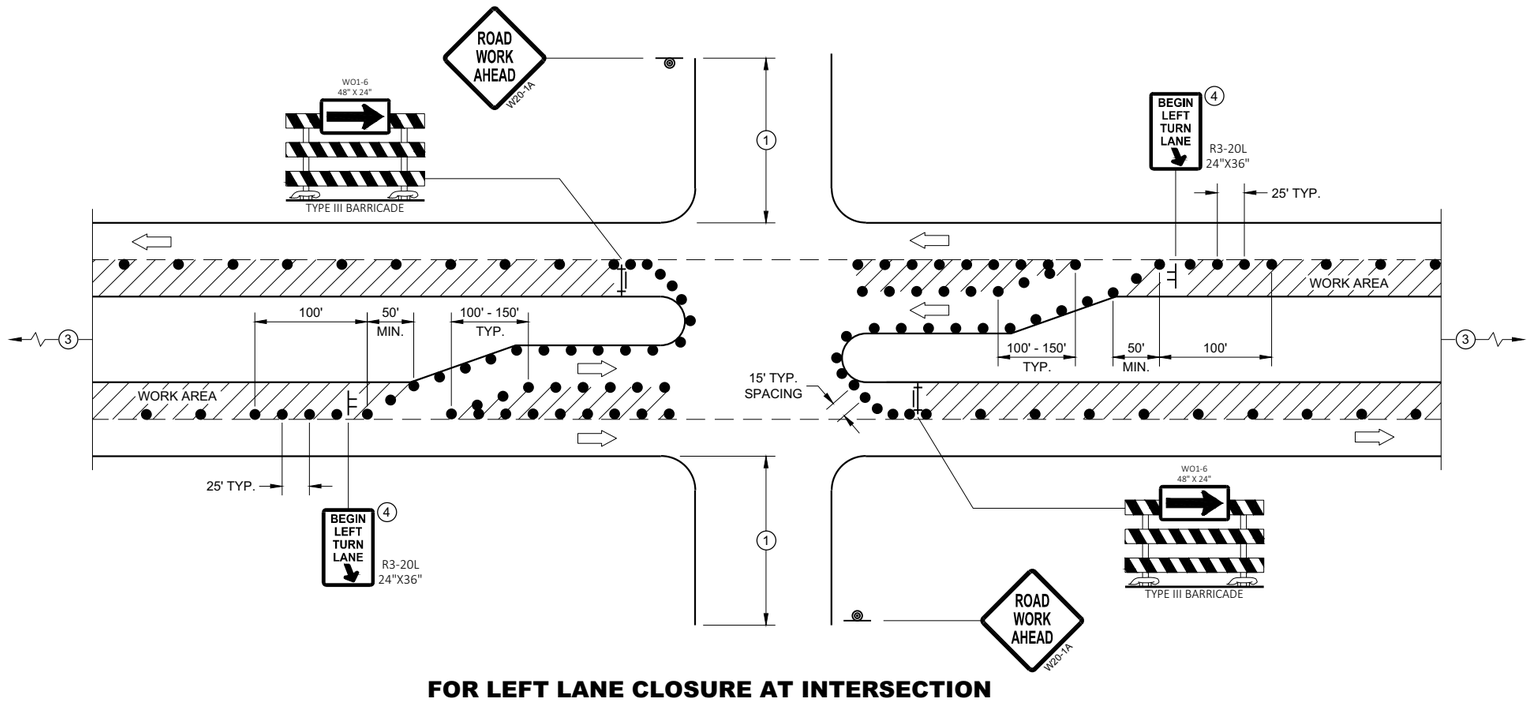
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

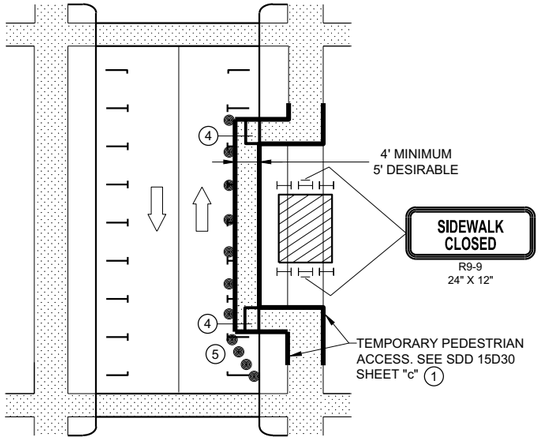
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SDD 15D21 - 07b

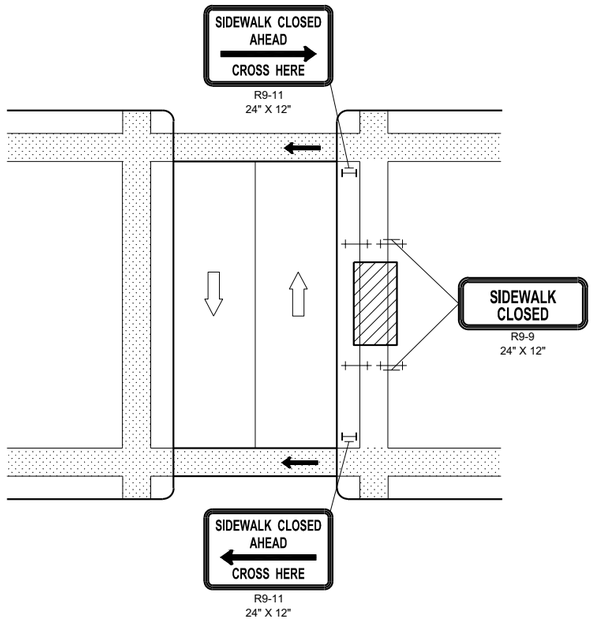
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SDD 15D21 - 07b

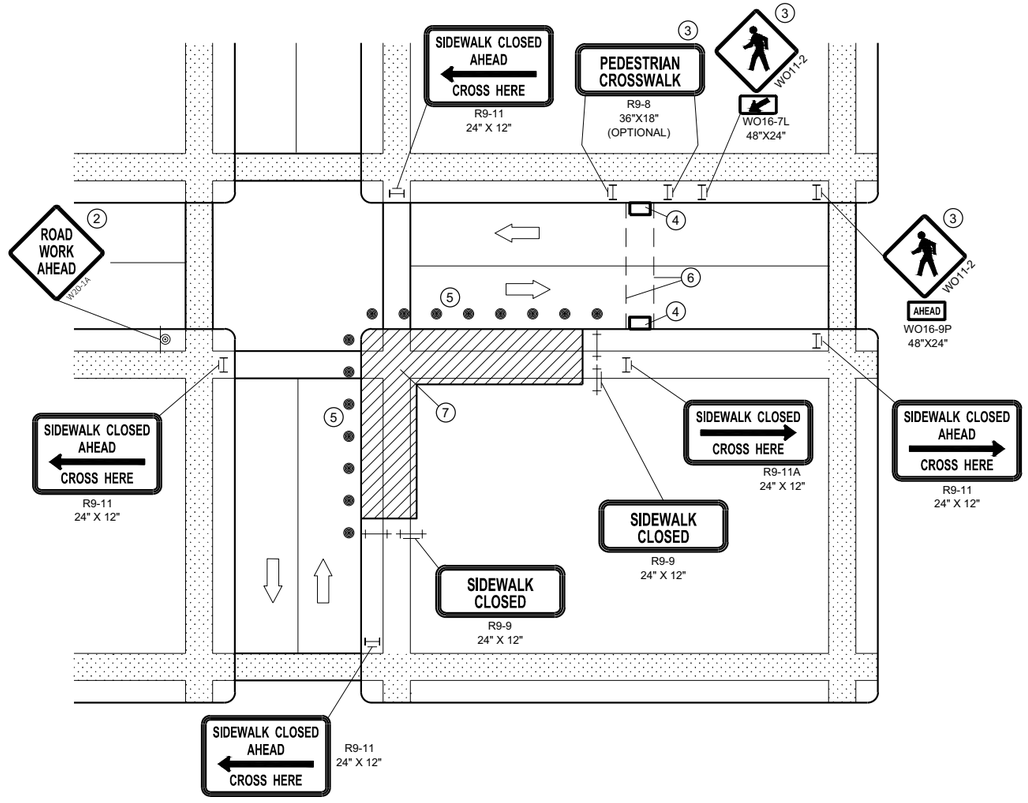
NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.



MID-BLOCK SIDEWALK SIDEWALK CLOSURE IN PARKING LANE

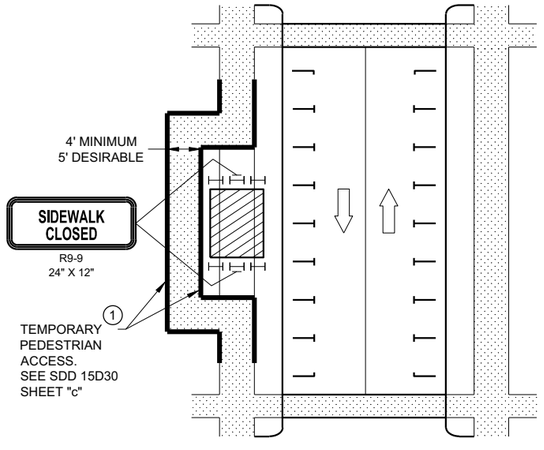


MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

"WO" SIGN IS THE SAME AS "W" SIGN, EXCEPT THE BACKGROUND IS ORANGE.

FOR NIGHTIME CLOSURE, USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEK LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

1. IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE
2. "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.
3. IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.
4. TEMPORARY CURB RAMPS. SEE SDD 15D30 SHEET "b'.
5. DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
6. TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.
7. LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

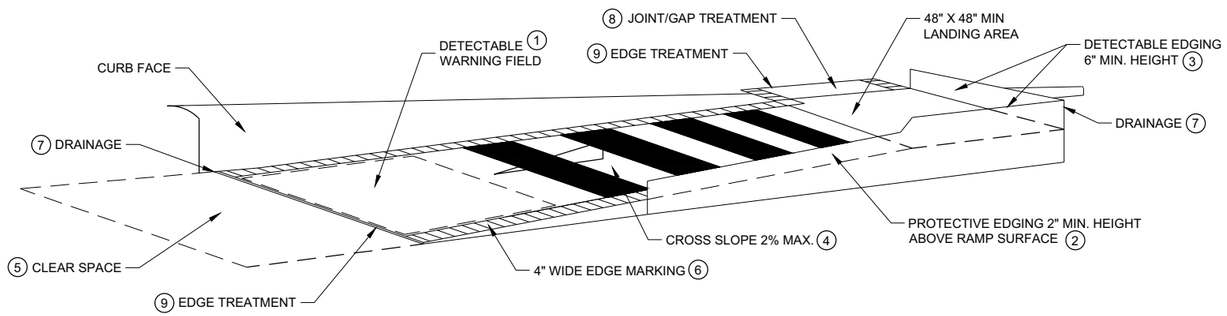
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

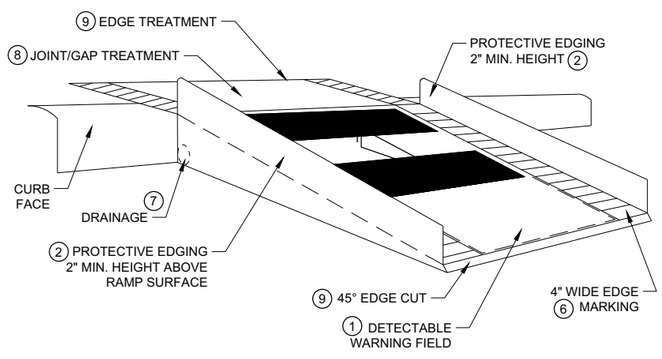
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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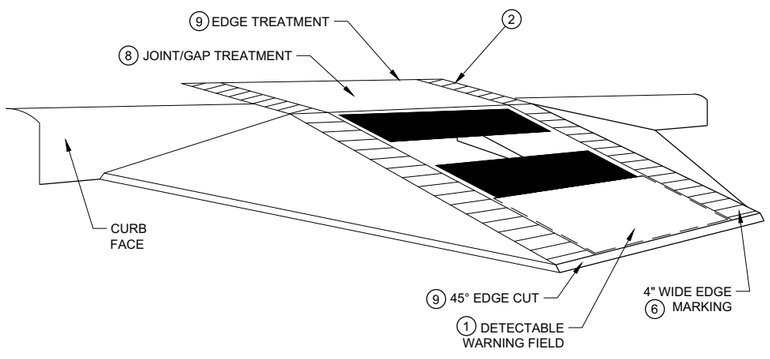
SDD15D30 - 06a



TEMPORARY CURB RAMP PARALLEL TO CURB



WITH PROTECTIVE EDGE



WITH SIDE APRON

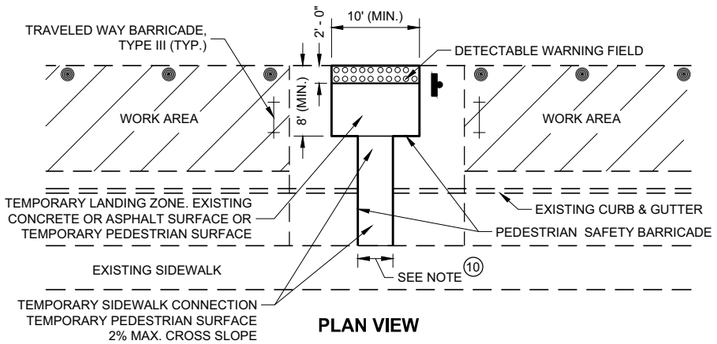
TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

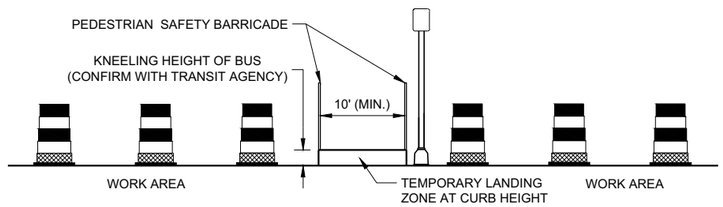
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

1. CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 08D05, SHEET "e".
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
5. CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
6. THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
7. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.
9. CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES SHALL BE VERTICAL UP TO ¼" HIGH AND BEVELED AT 1:2 BETWEEN ¼" AND ½".
10. 5" WIDE MIN. WITH PEDESTRIAN SAFETY BARRICADE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY BARRICADE.



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

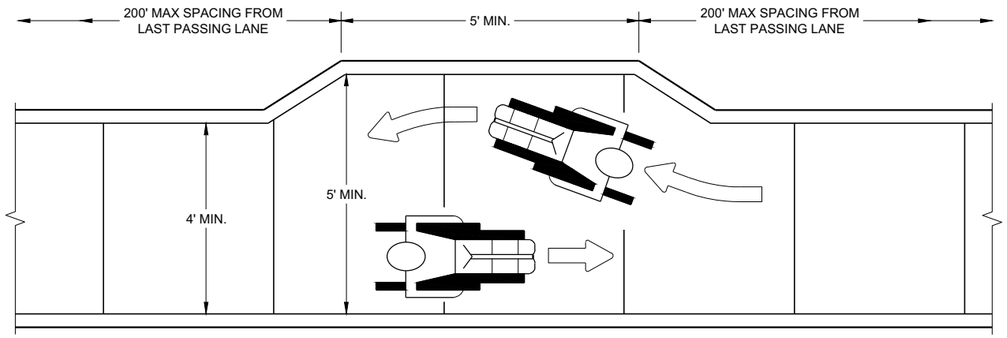
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

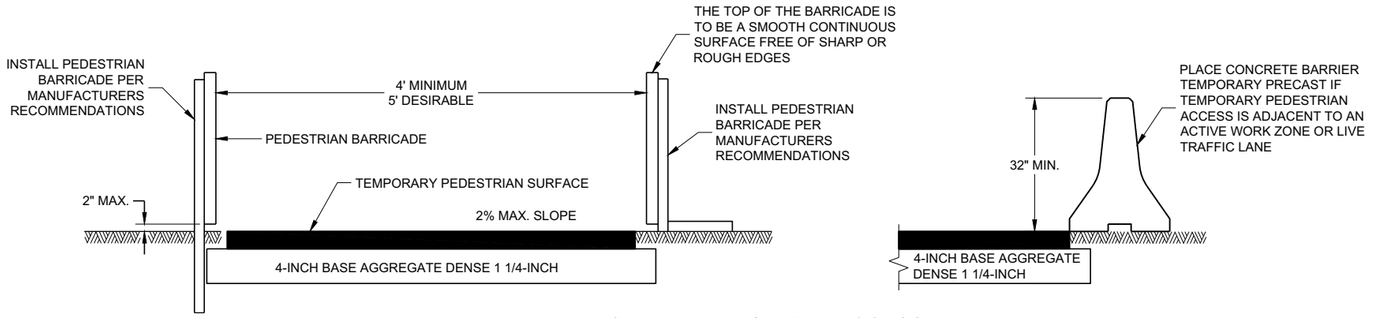
SDD 15D30 - 06b

6

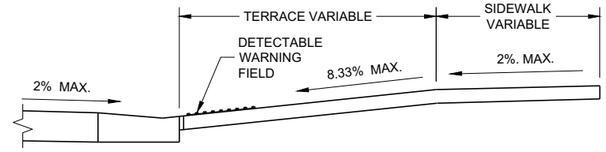
SDD 15D30 - 06b



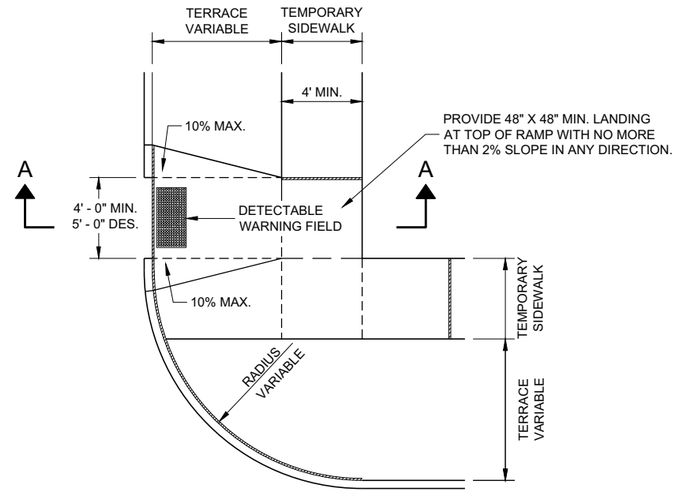
NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN ACCESS



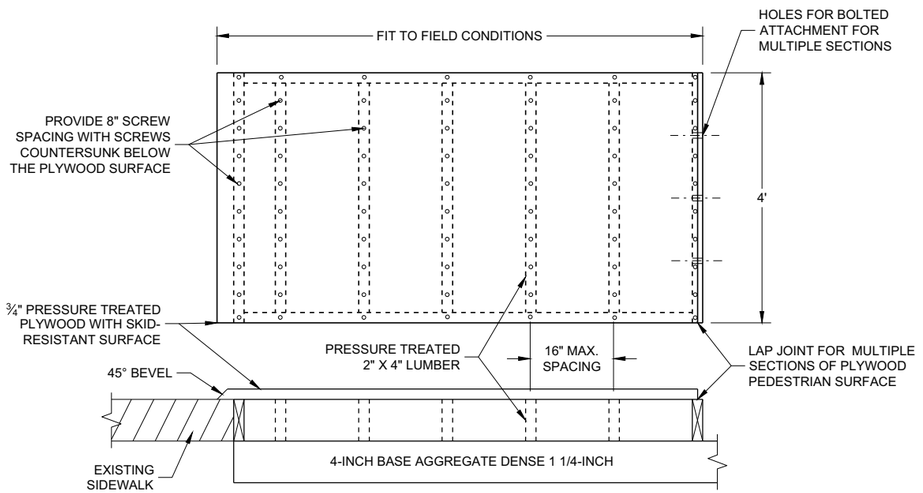
SECTION A - A



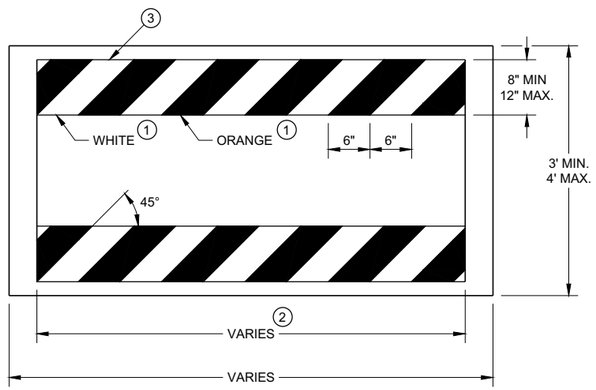
PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



TEMPORARY PEDESTRIAN BARRICADE *

GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

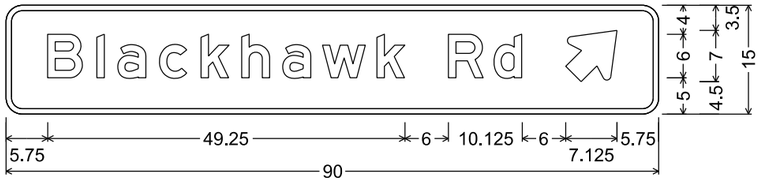
/S/ Andrew Heidtke
WORK ZONE ENGINEE 679

FHWA

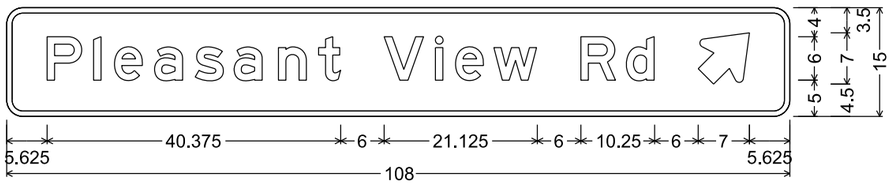
SDD 15D30 - 06c

6

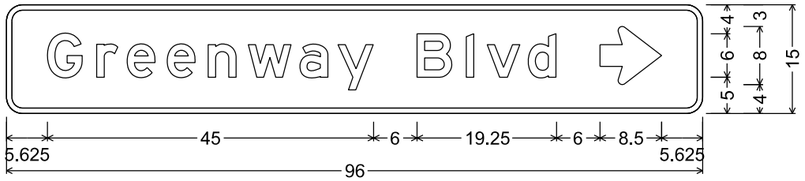
SDD 15D30 - 06c



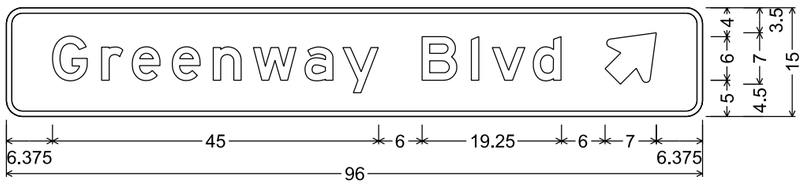
D1-1; 2.250" Radius, 0.750" Border



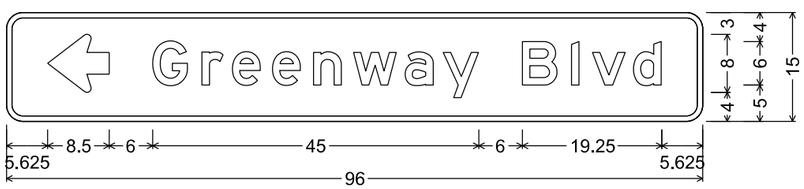
D1-1; 2.250" Radius, 0.750" Border



D1-1; 2.250" Radius, 0.750" Border



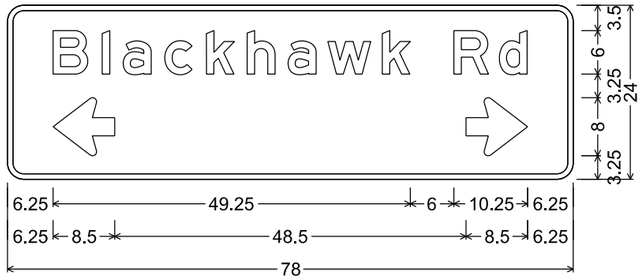
D1-1; 2.250" Radius, 0.750" Border



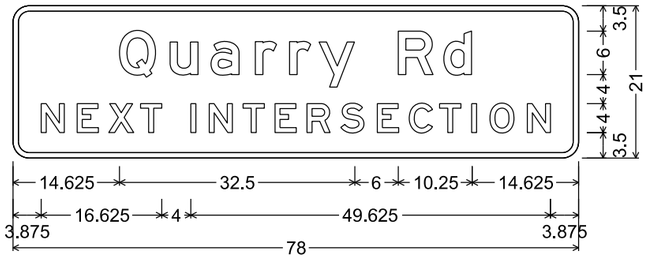
D1-1; 2.250" Radius, 0.750" Border

NOTES

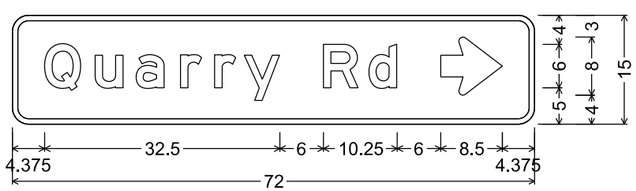
1. Sign is Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E



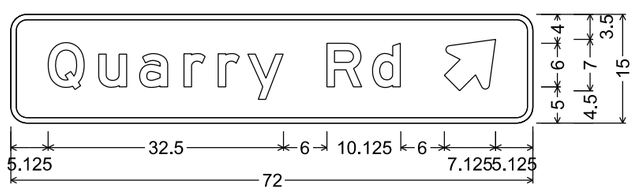
D1-61; 2.250" Radius, 0.750" Border



D1-63; 2.250" Radius, 0.750" Border



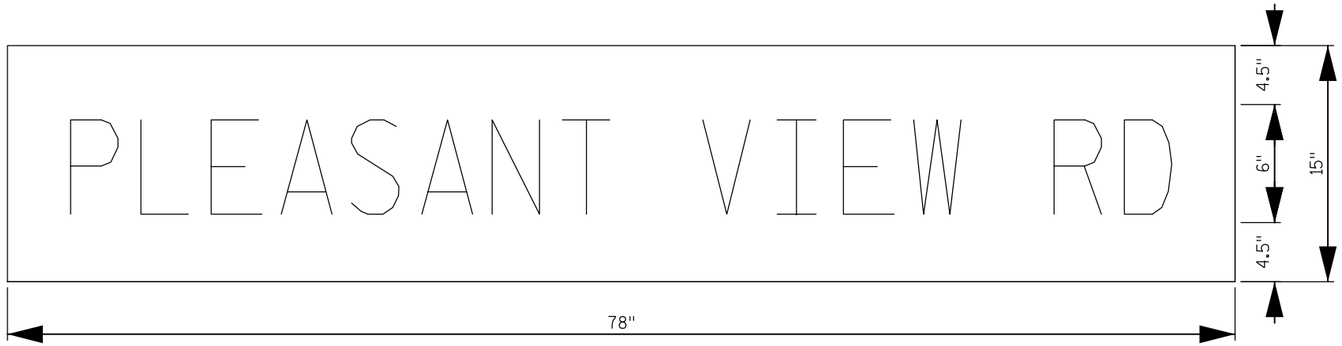
D1-1; 2.250" Radius, 0.750" Border



D1-1; 2.250" Radius, 0.750" Border

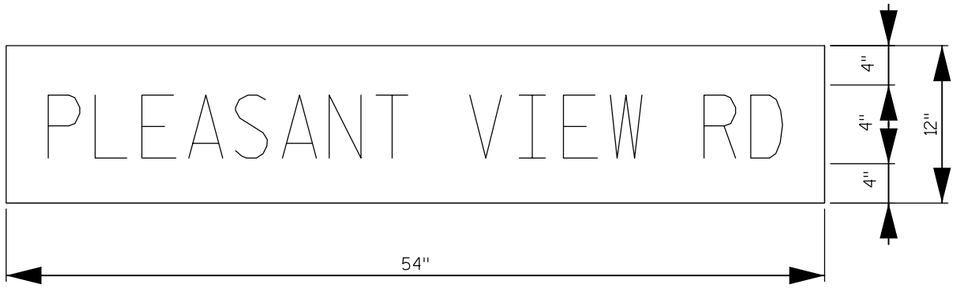
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7



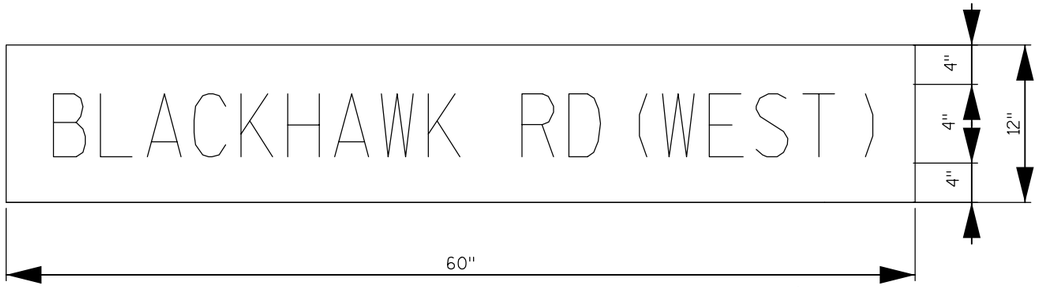
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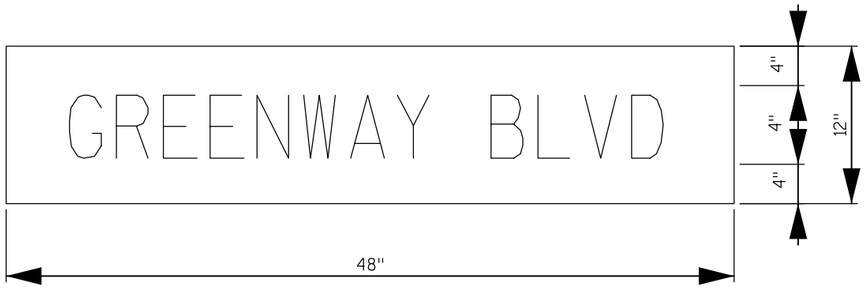
1. FIXED MESSAGE SIGN TYPE II - TYPE F REFLECTIVE
2. COLOR:
   BACKGROUND - ORANGE
   MESSAGE - BLACK
3. MESSAGE SERIES - C



NOTES:

1. TRAFFIC CONTROL SIGNS, TYPE II - TYPE F REFLECTIVE
2. COLOR:
   BACKGROUND - ORANGE
   MESSAGE - BLACK
3. MESSAGE SERIES - C





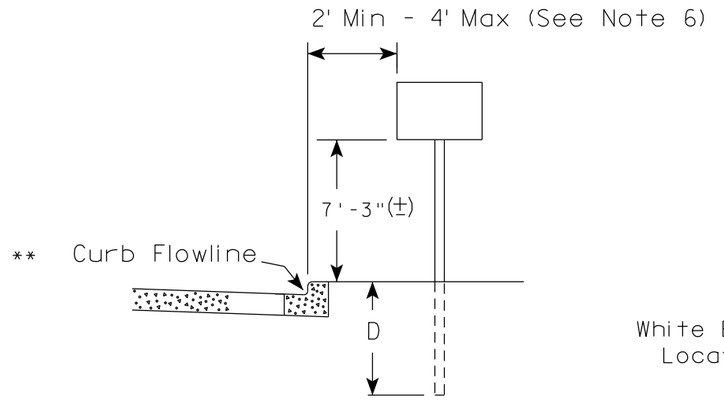


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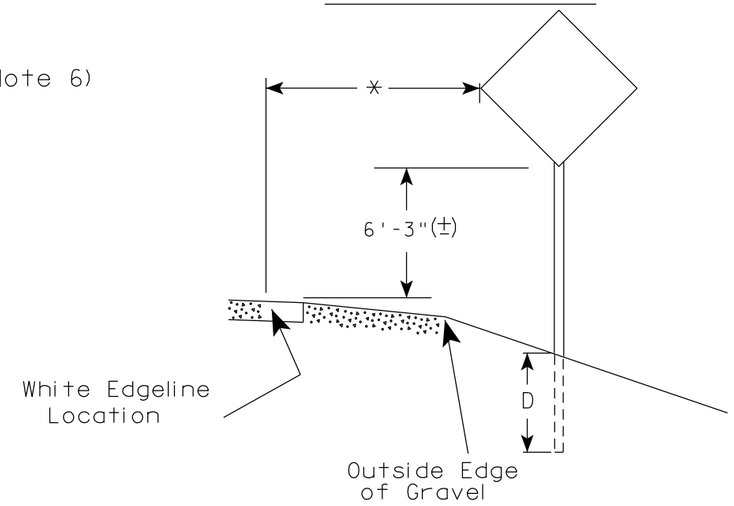
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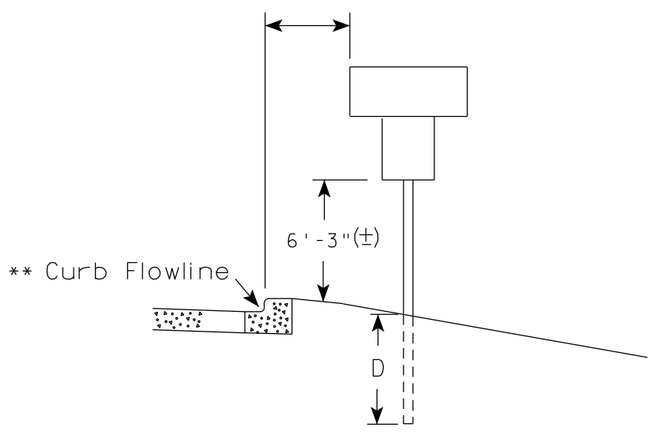
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	TEMPORARY SIGNING	SHEET 681	E

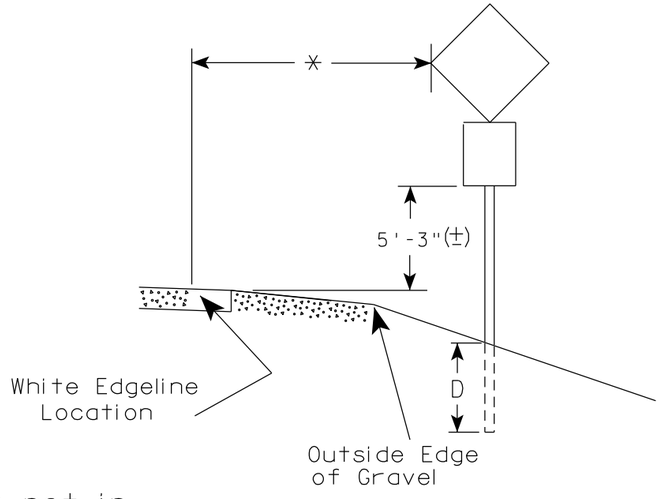
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.

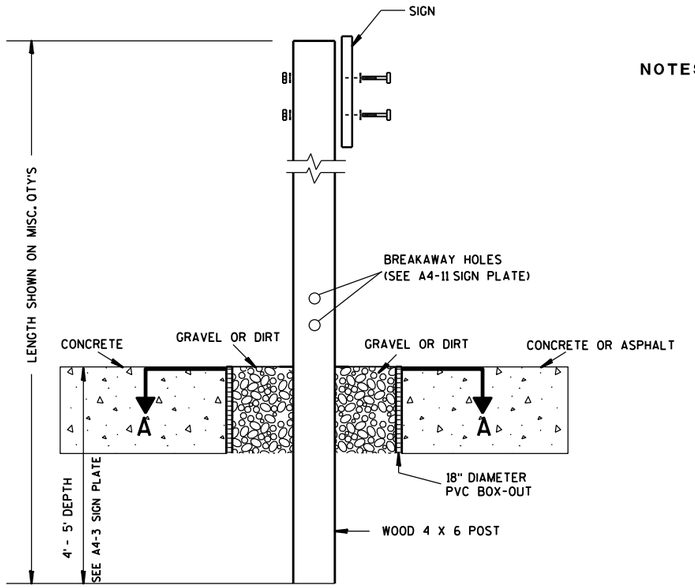
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

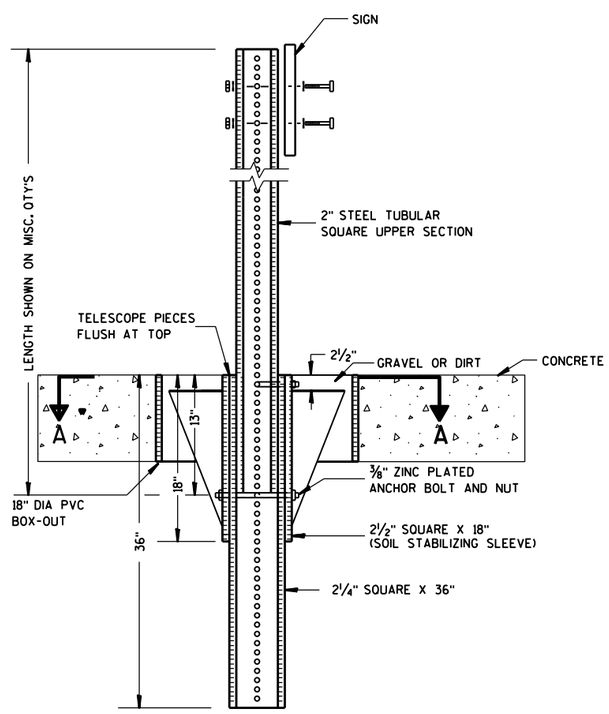
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 682	E



ELEVATION VIEW

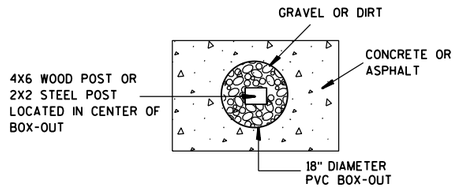
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

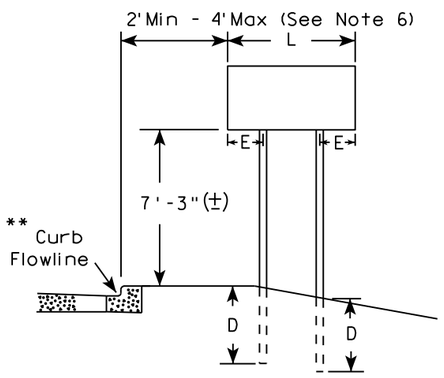
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

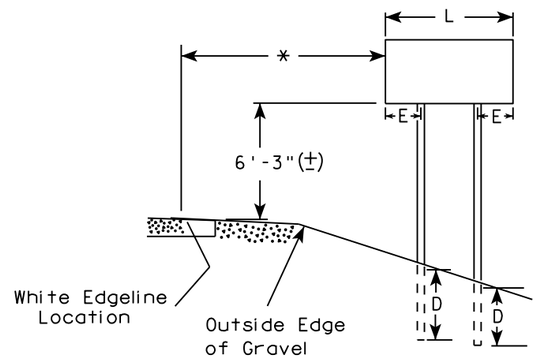
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

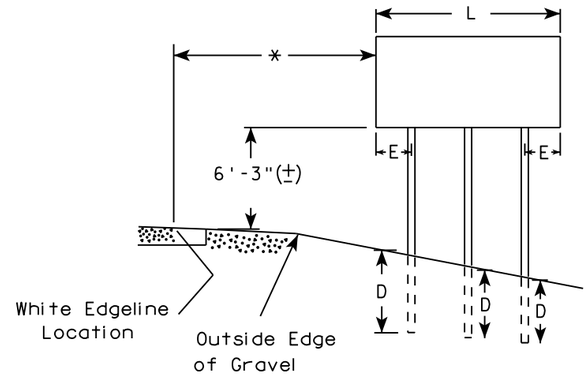
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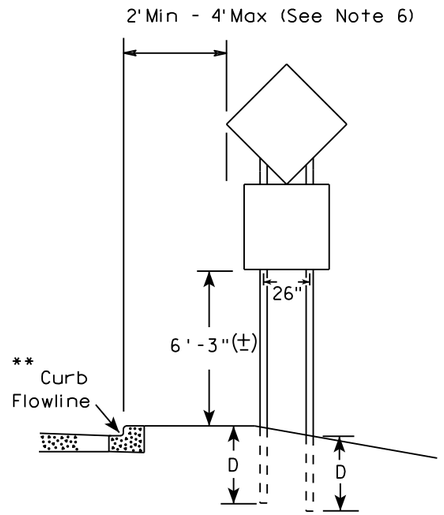
URBAN AREA



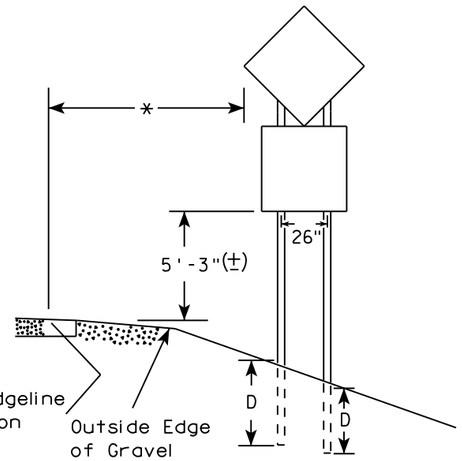
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

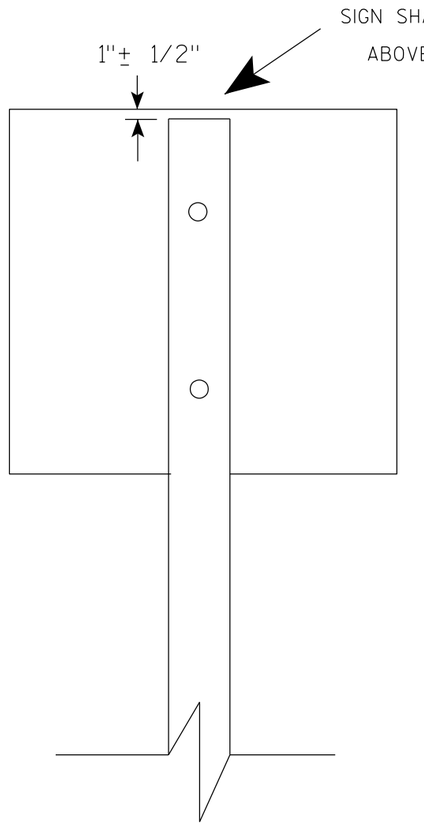
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

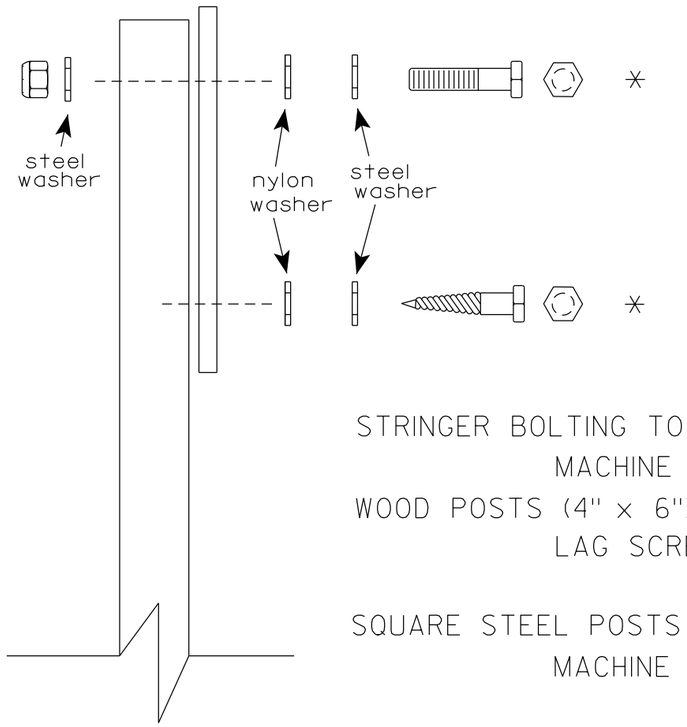
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 684	E





Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

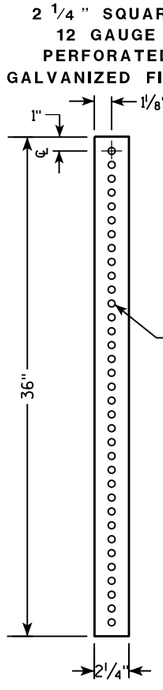
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

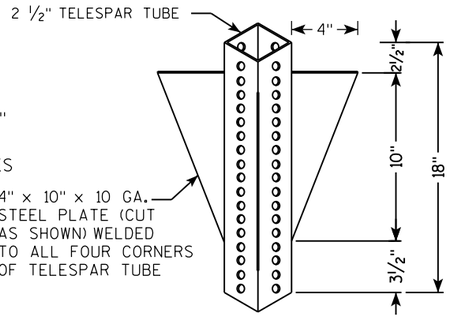
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

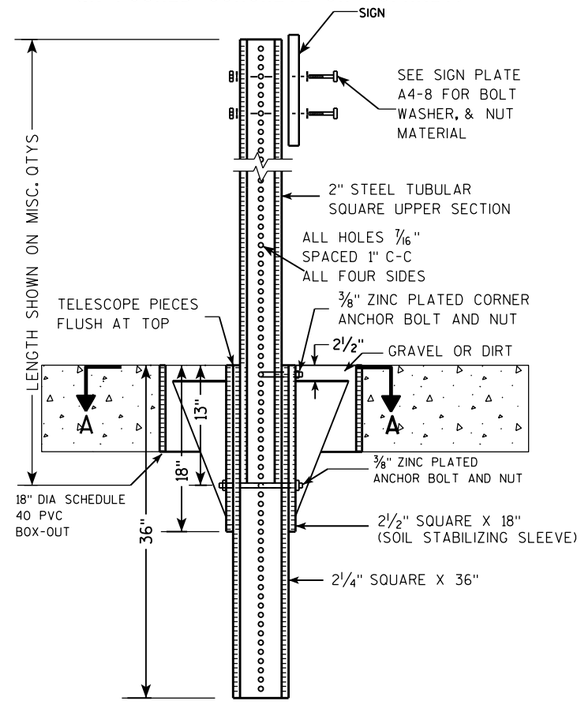
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



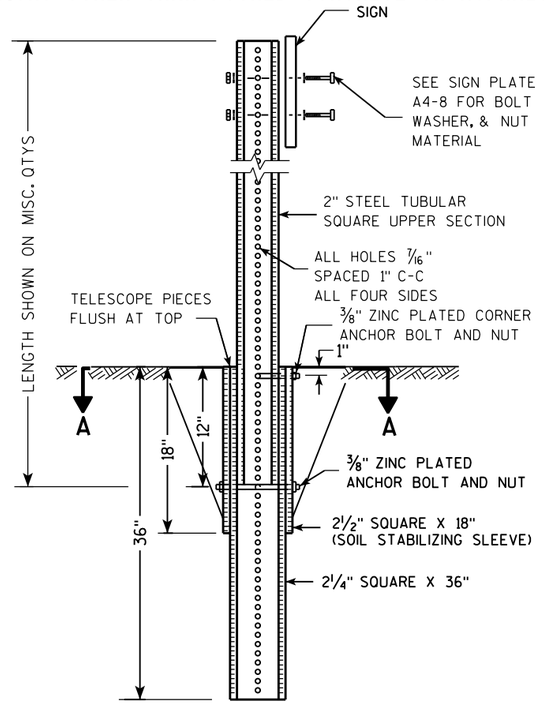
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

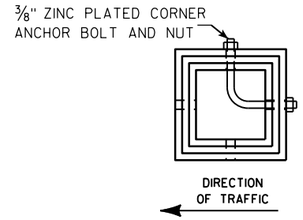


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

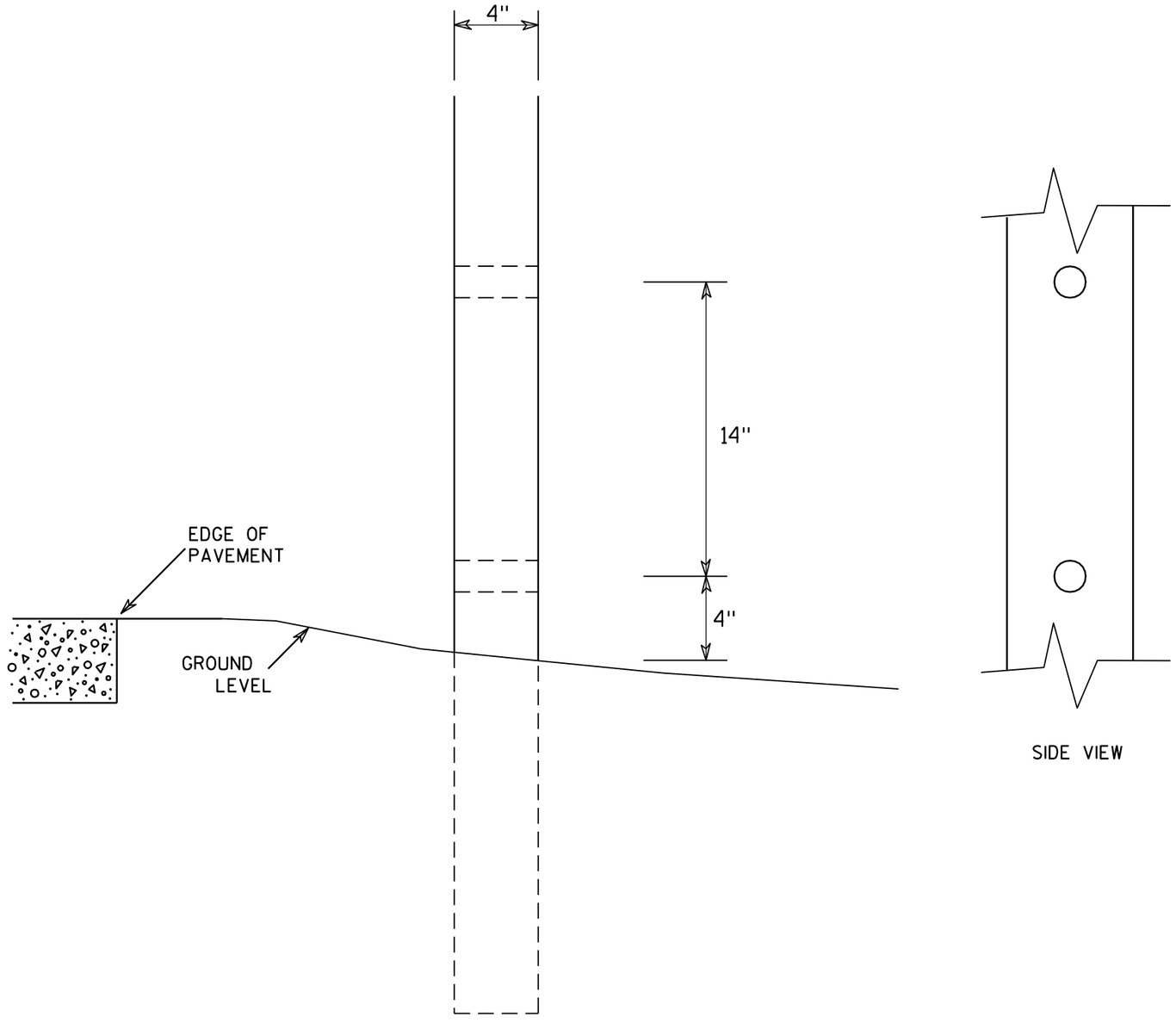
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 686 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

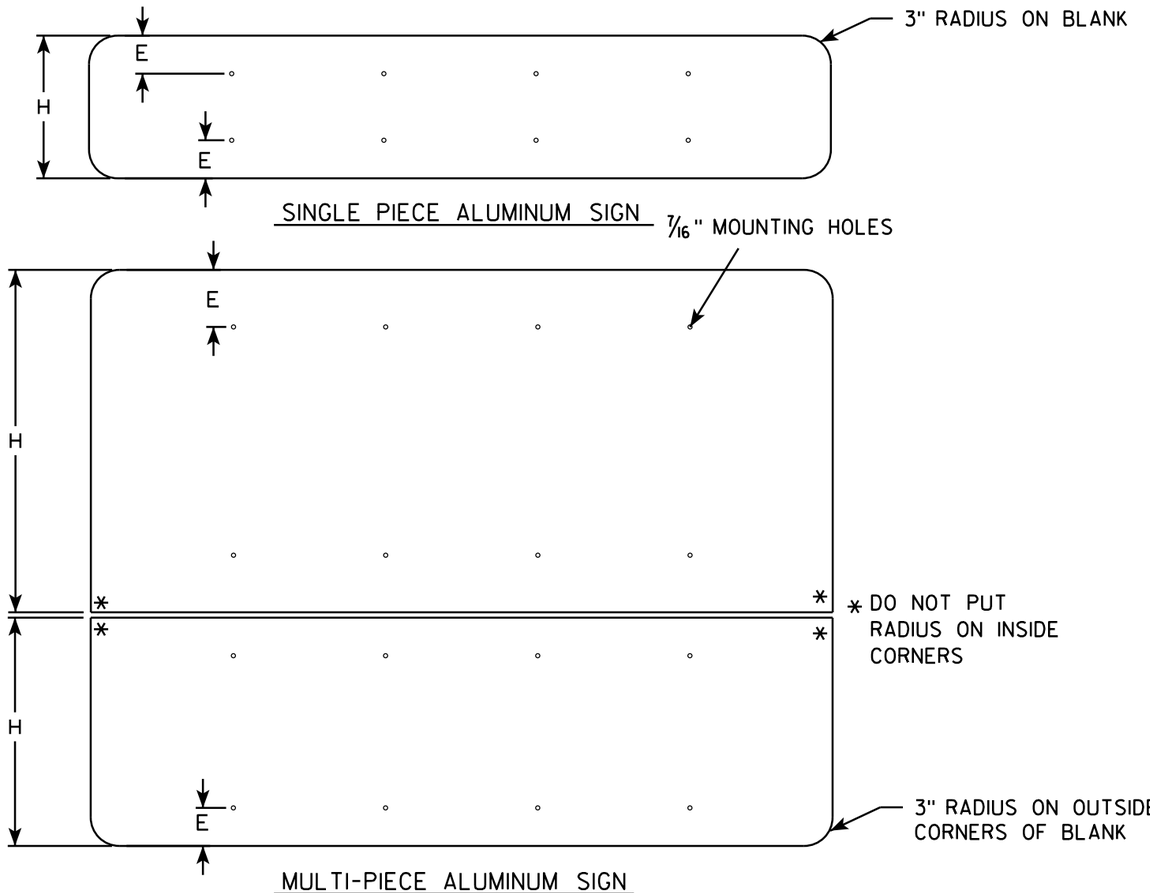
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

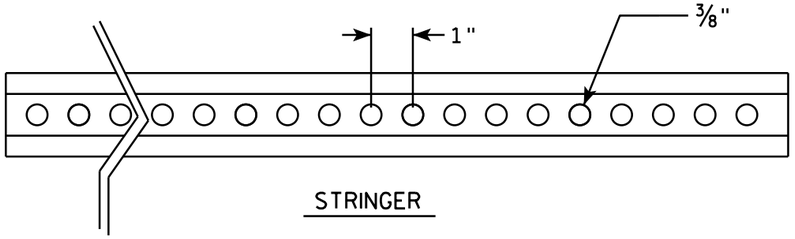
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 687	E



GENERAL NOTES

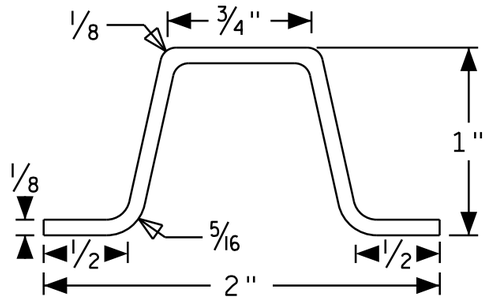
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

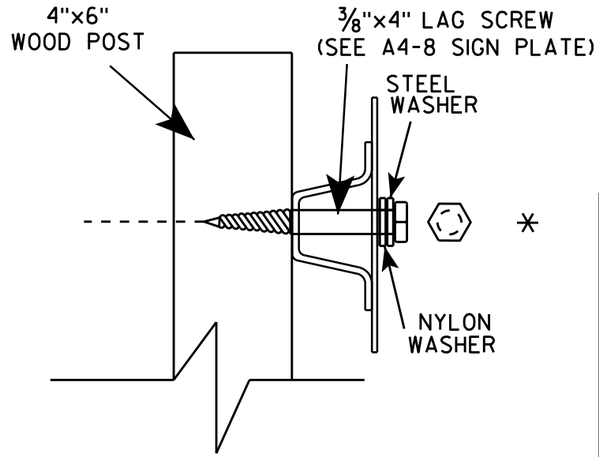


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

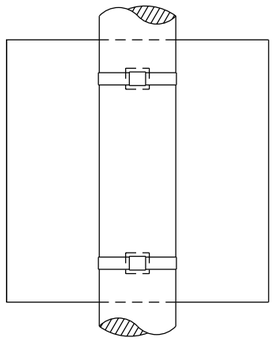
DATE 4/26/16 PLATE NO A4-18.1

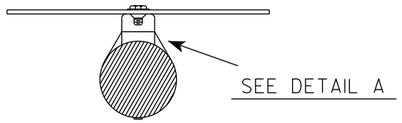
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

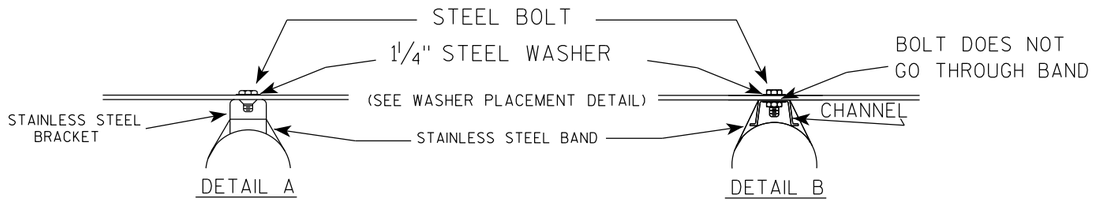
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

BANDING

SINGLE SIGN



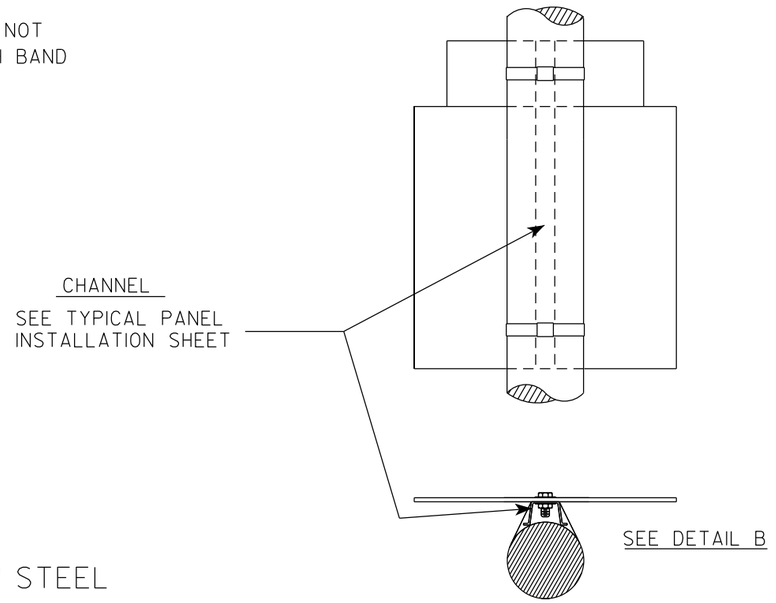




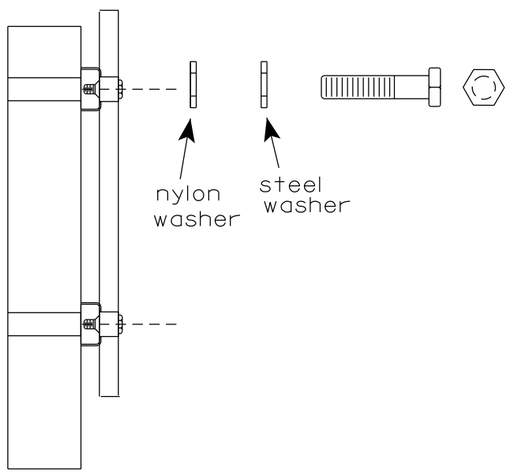
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

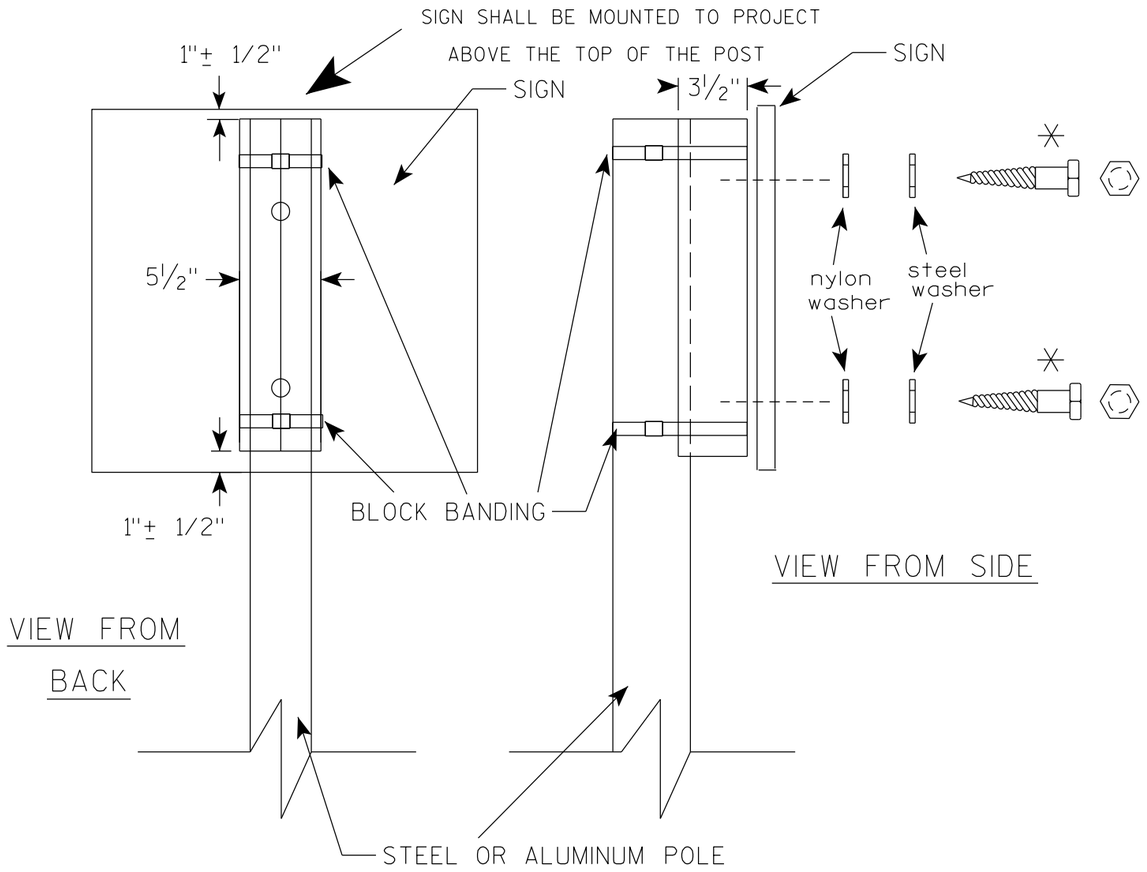
DATE 6/10/19 PLATE NO. A5-9.4

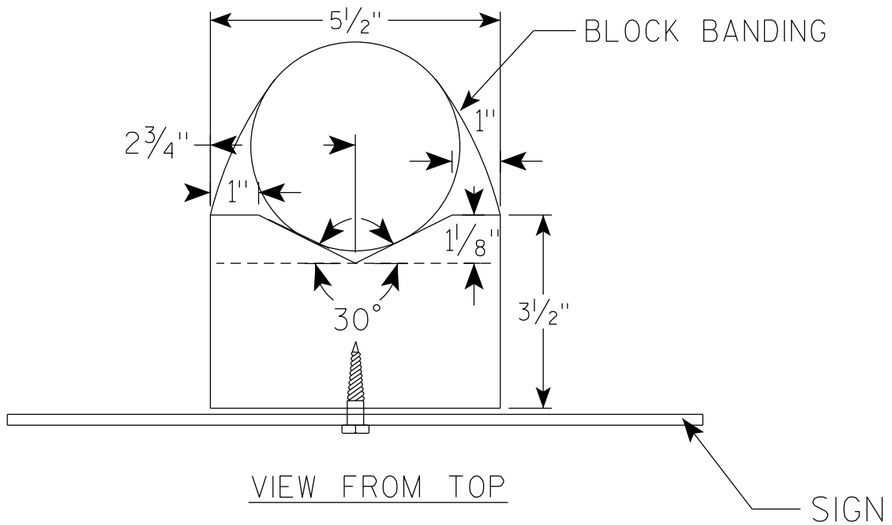
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 689	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

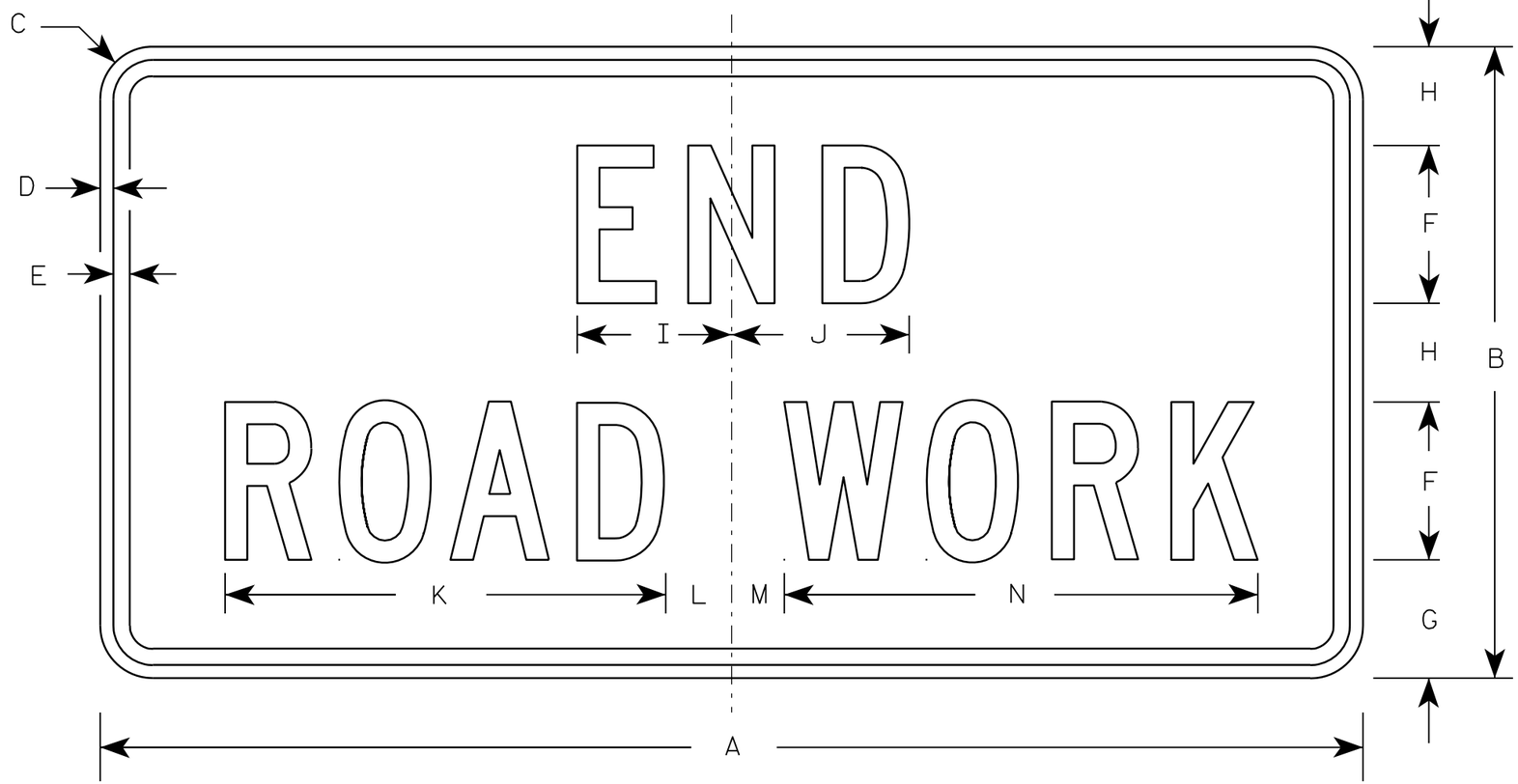
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 690 E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

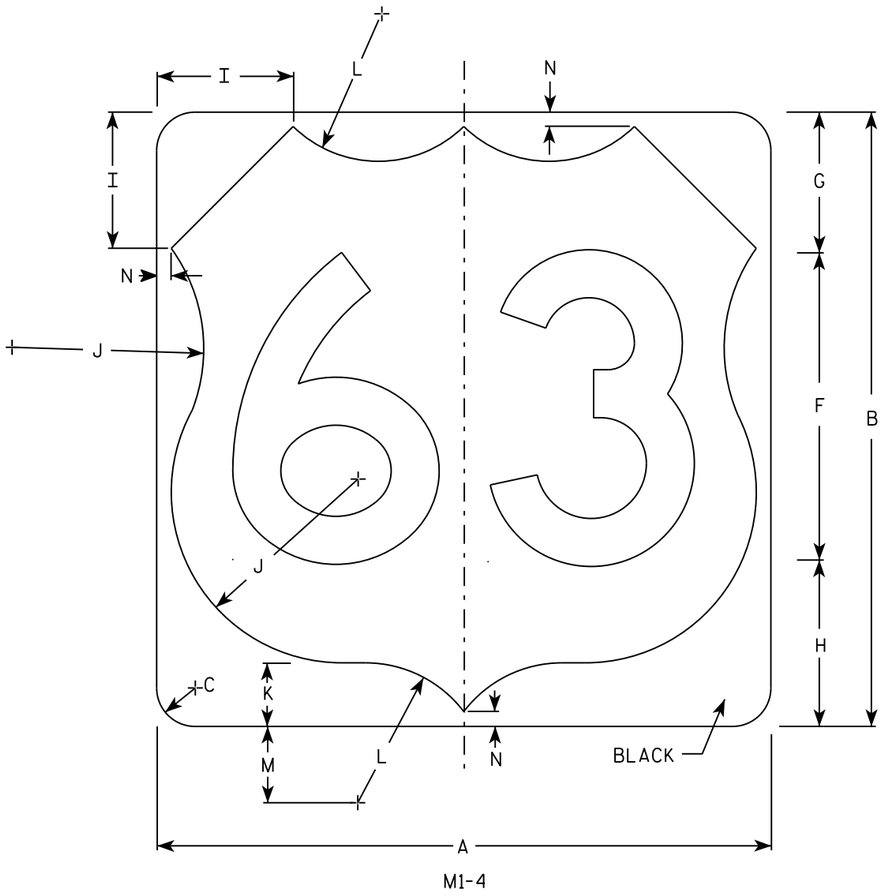
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

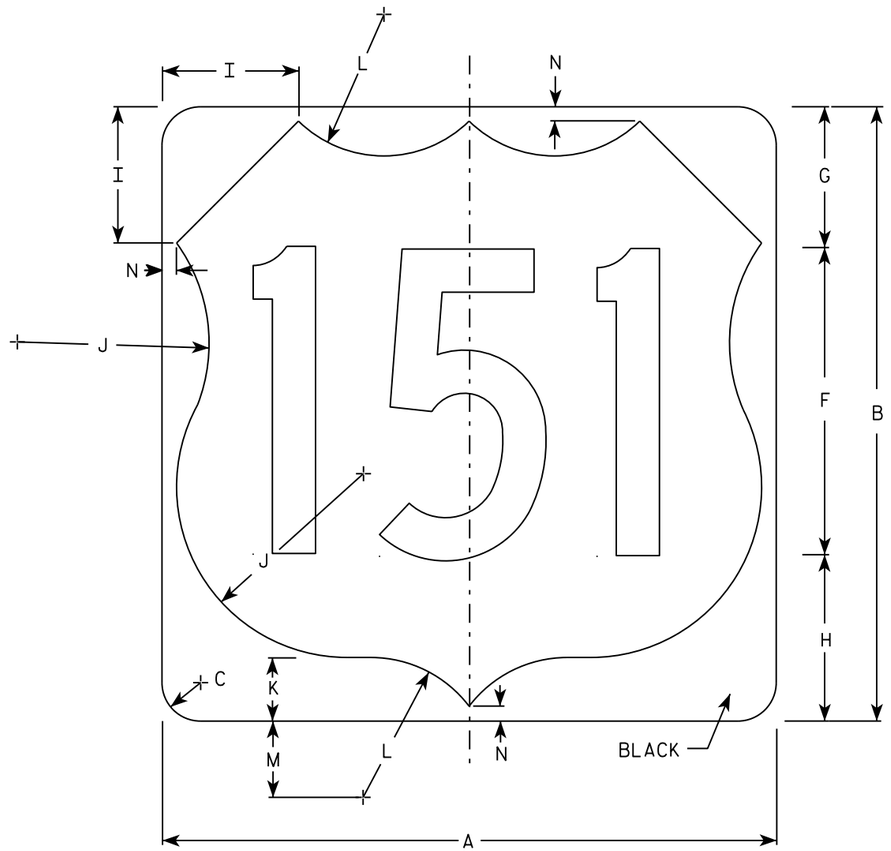
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 691	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



M1-4



M1-4

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area Sq. ft.
1																											
2	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0

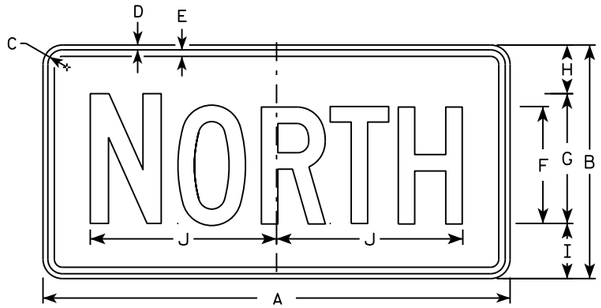
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

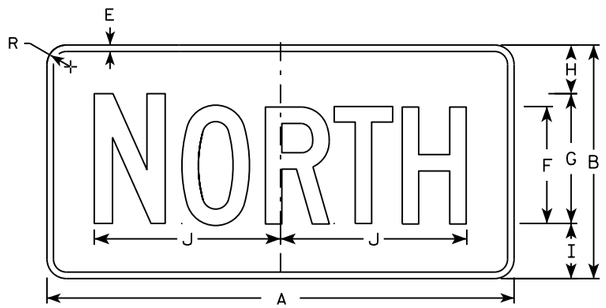
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-4.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 692 | E



M3-1
MM3-1
MP3-1



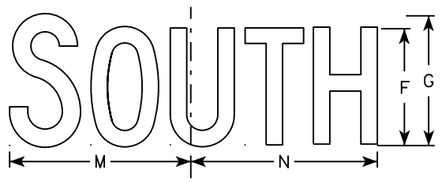
MB3-1
MK3-1
MN3-1



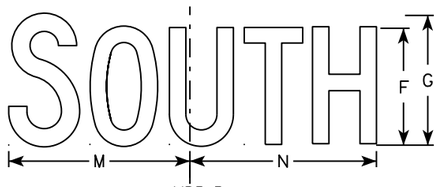
M3-2
MM3-2
MP3-2



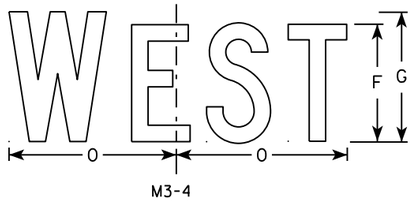
MB3-2
MK3-2
MN3-2



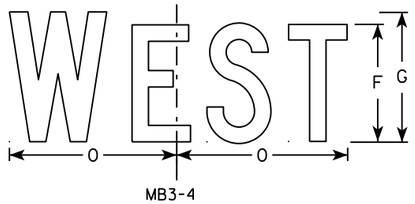
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

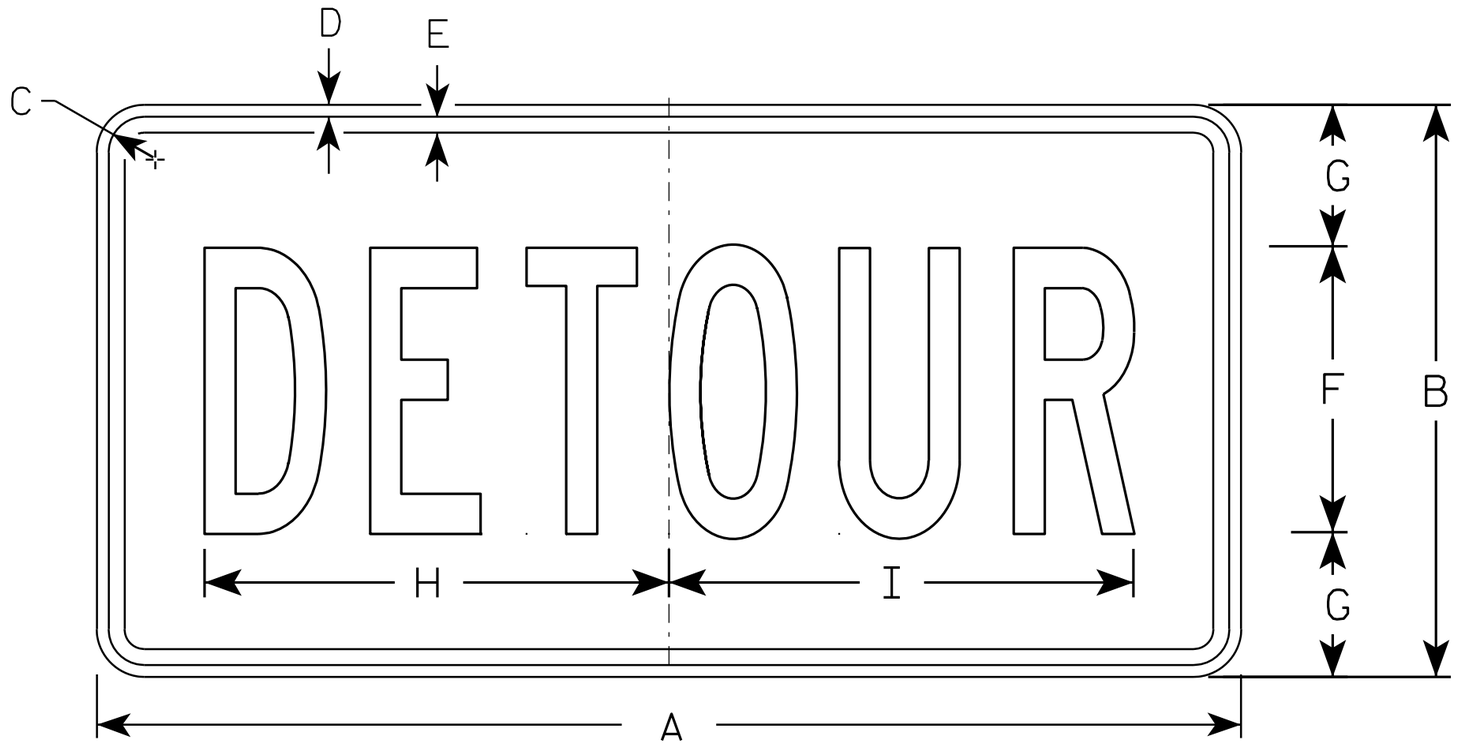
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

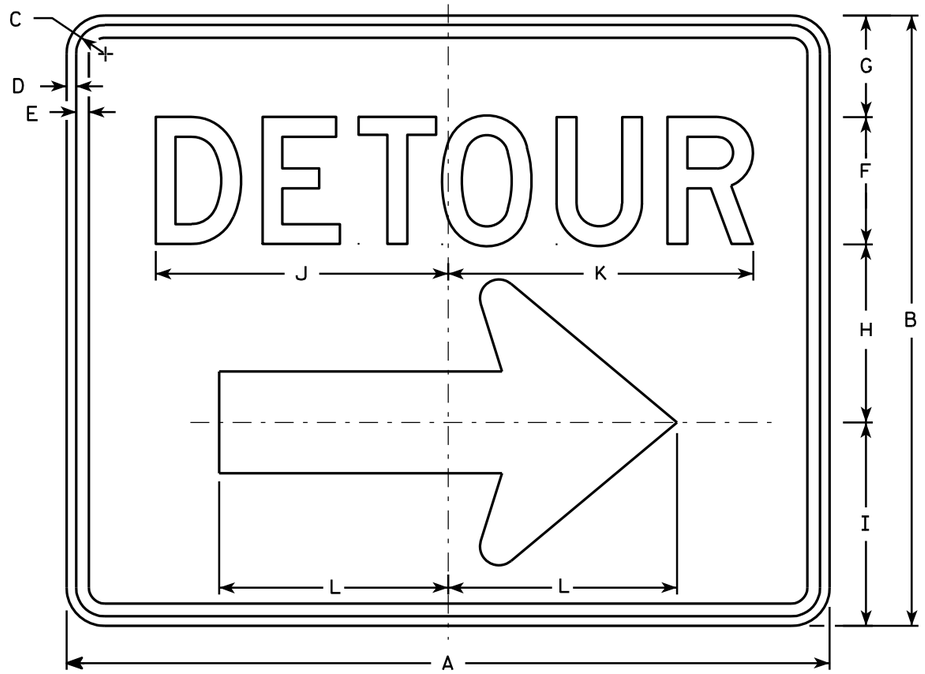
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

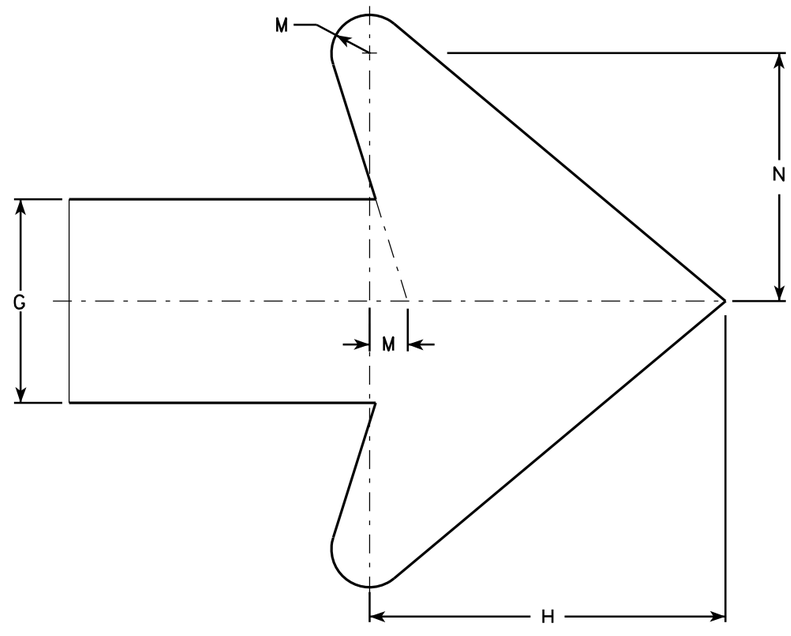
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 694	E



M4-9R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

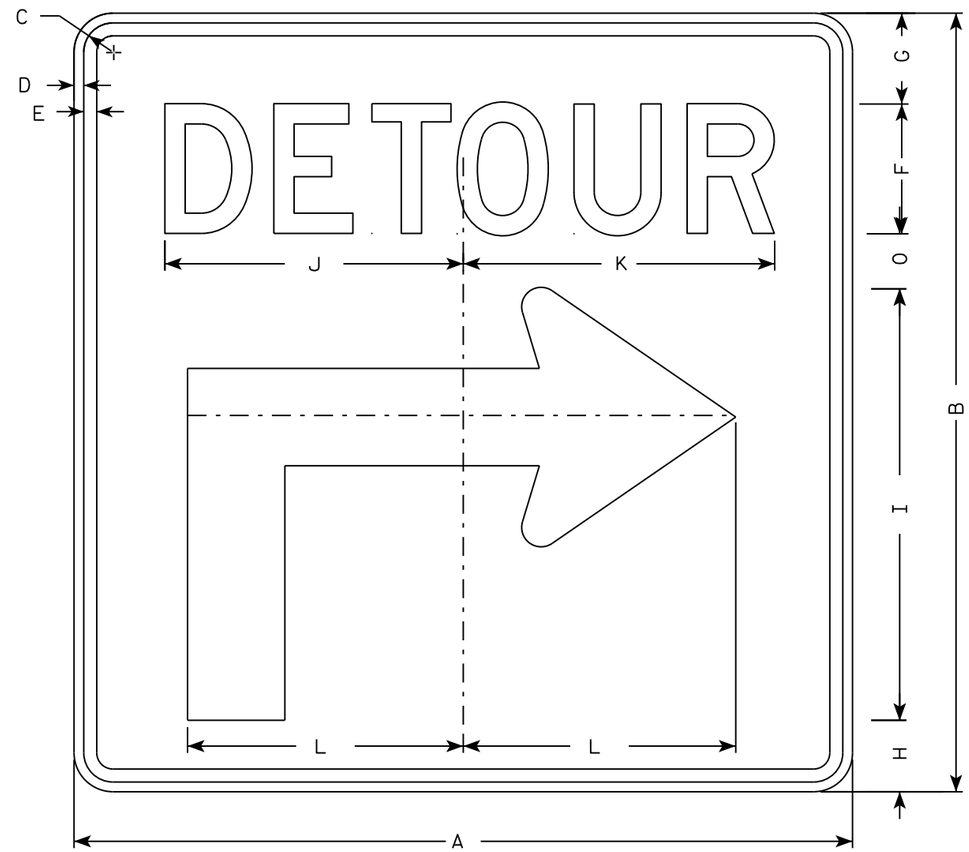
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

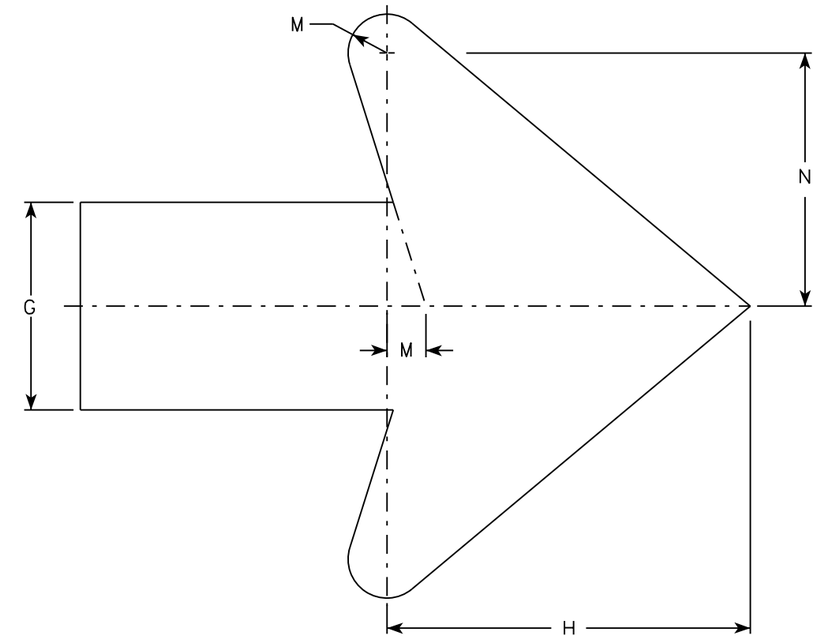
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 695	E



M4-59R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown when base material is metal.
5. M4-59L is the same as M4-59R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	30	1 1/8	3/8	1/2	5	3 1/2	2 3/4	16 5/8	11 1/2	12	10 1/2	3/4	4 7/8	2 1/8												6.25
3	30	30	1 1/8	3/8	1/2	5	3 1/2	2 3/4	16 5/8	11 1/2	12	10 1/2	3/4	4 7/8	2 1/8												6.25
4	48	48	1 3/8	1/2	5/8	8	5 5/8	4 3/8	26 5/8	20 5/8	20 1/2	17	1 1/8	6 7/8	3 3/8												16.0
5	48	48	1 3/8	1/2	5/8	8	5 5/8	4 3/8	26 5/8	20 5/8	20 1/2	17	1 1/8	6 7/8	3 3/8												16.0

STANDARD SIGN
M4-59 L&R

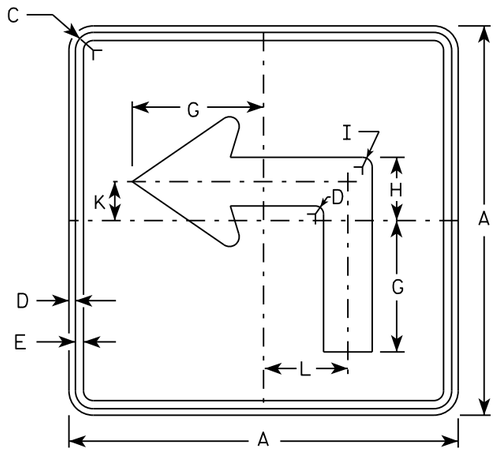
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

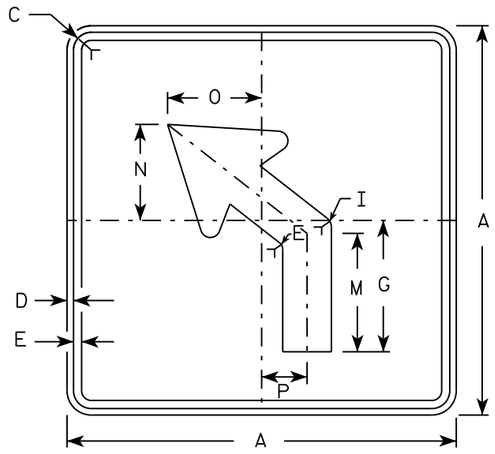
DATE 11/10/15 PLATE M4-59.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

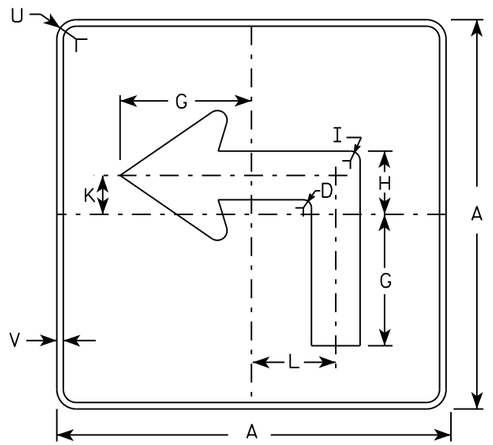
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M459.DGN PLOT DATE : 01-DEC-2015 18:05 PLOT BY : $$ platuser $$ PLOT NAME : PLOT SCALE : 5.837526:1.000000



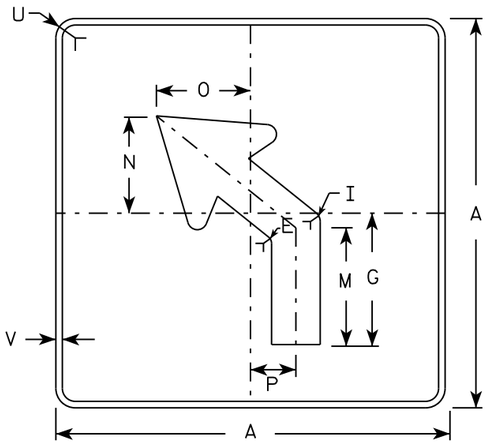
M5-1L
MM5-1L
MO5-1L
MP5-1L



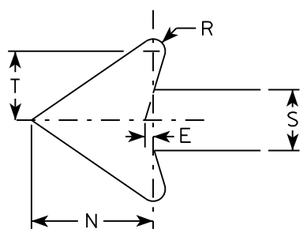
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

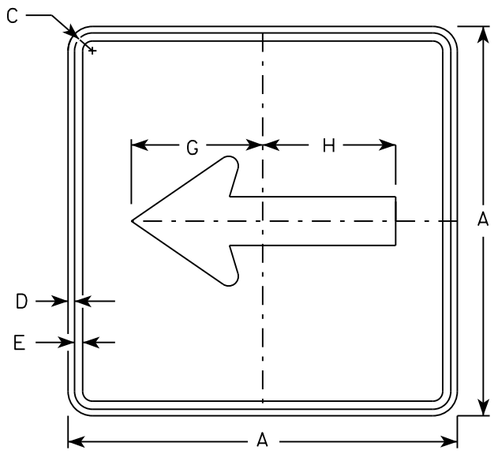
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

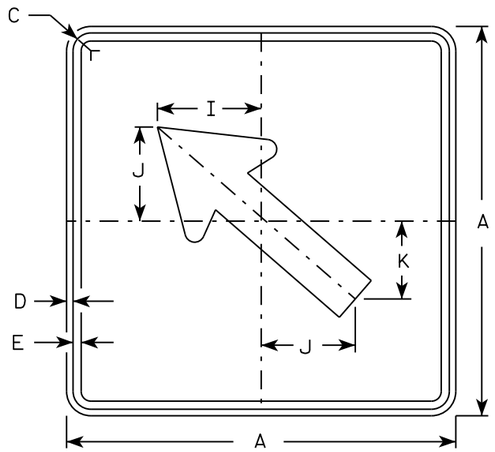
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



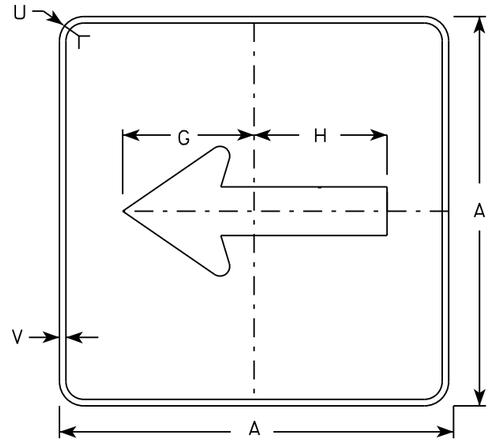
M6-1
MM6-1
MO6-1
MP6-1



M6-2
MM6-2
MO6-2
MP6-2

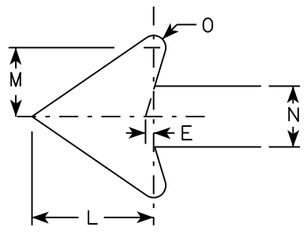
NOTES

1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1

MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

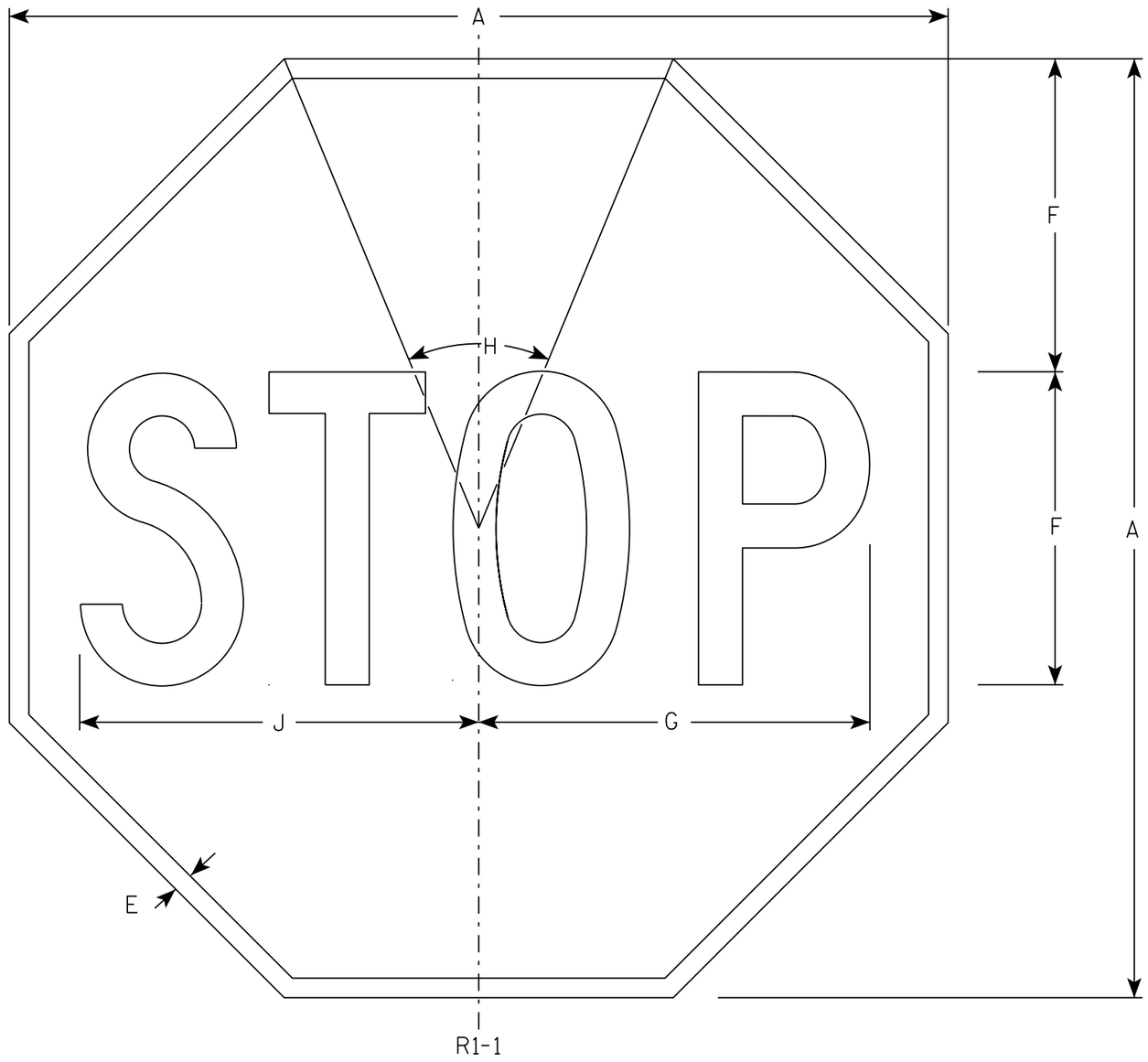
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 698 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

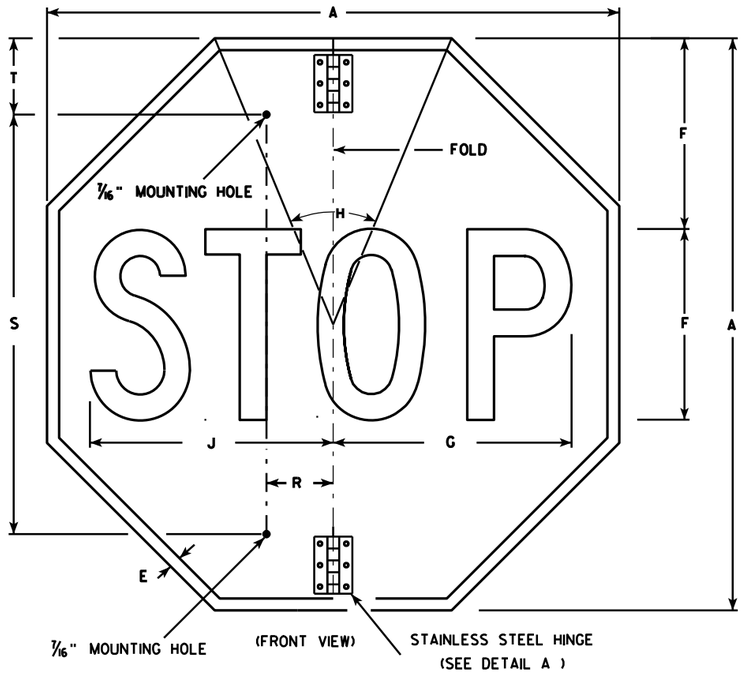
STANDARD SIGN
R1-1

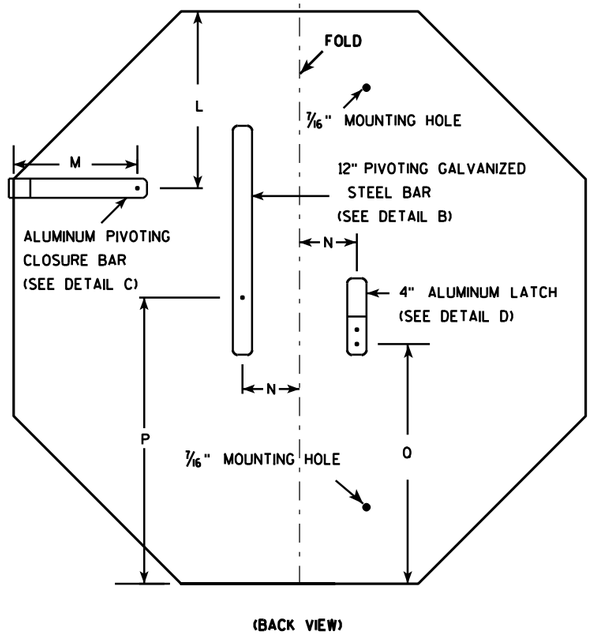
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

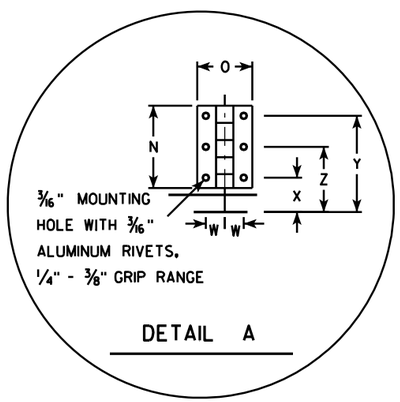
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 699	E



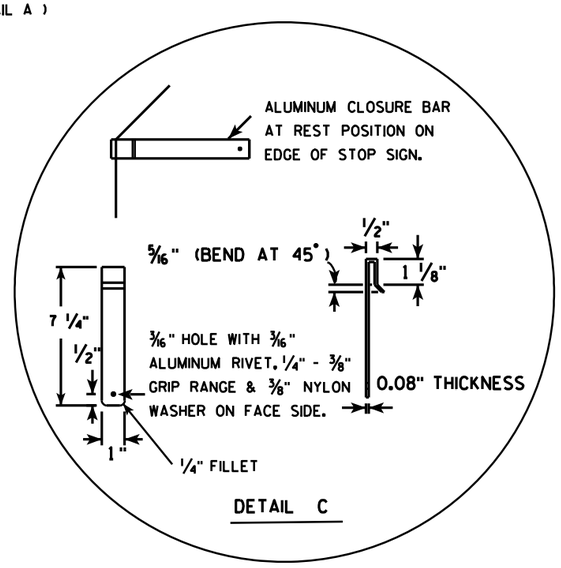


NOTES

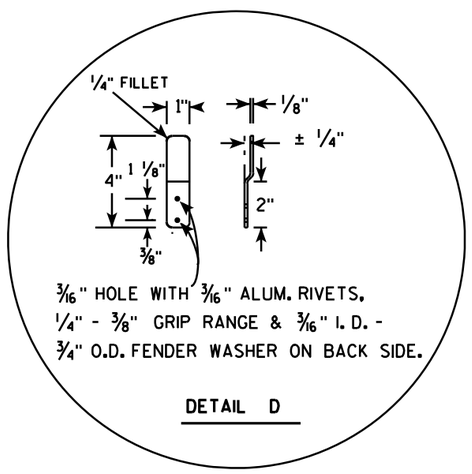
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.



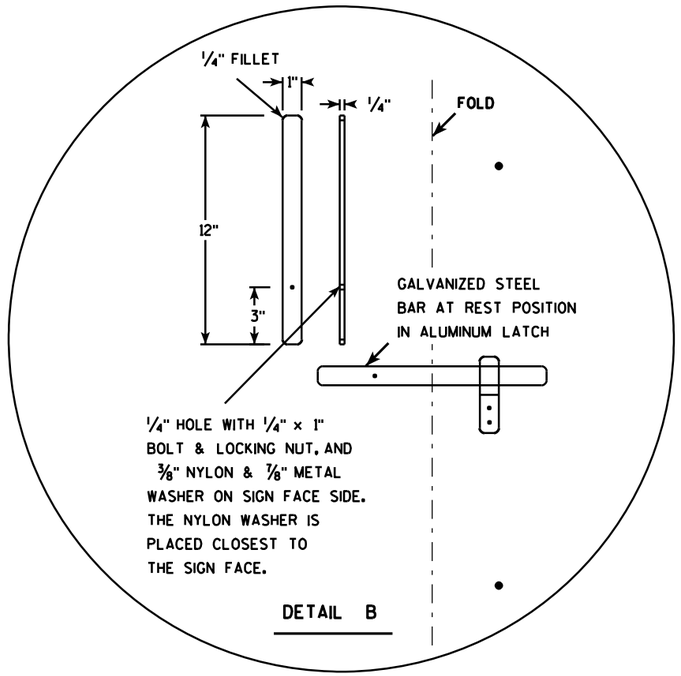
DETAIL A



DETAIL C



DETAIL D



DETAIL B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

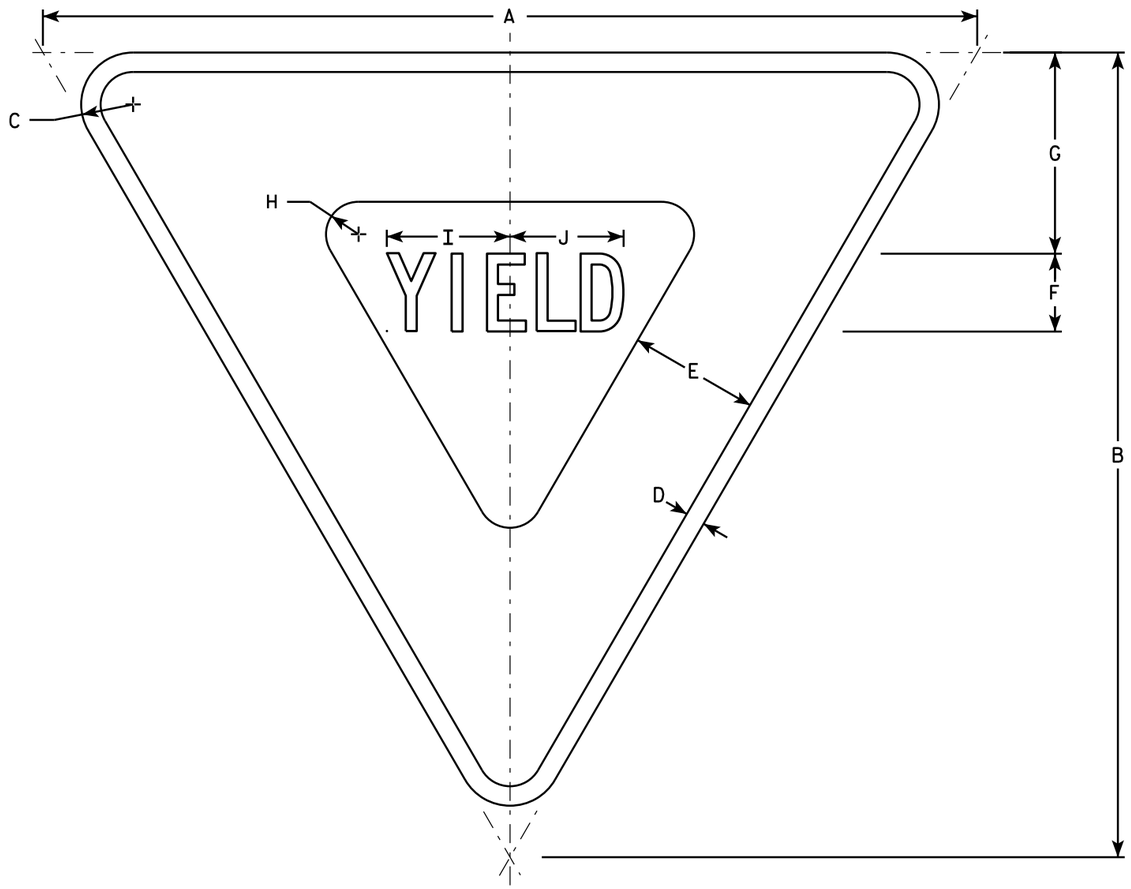
STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 700	E



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

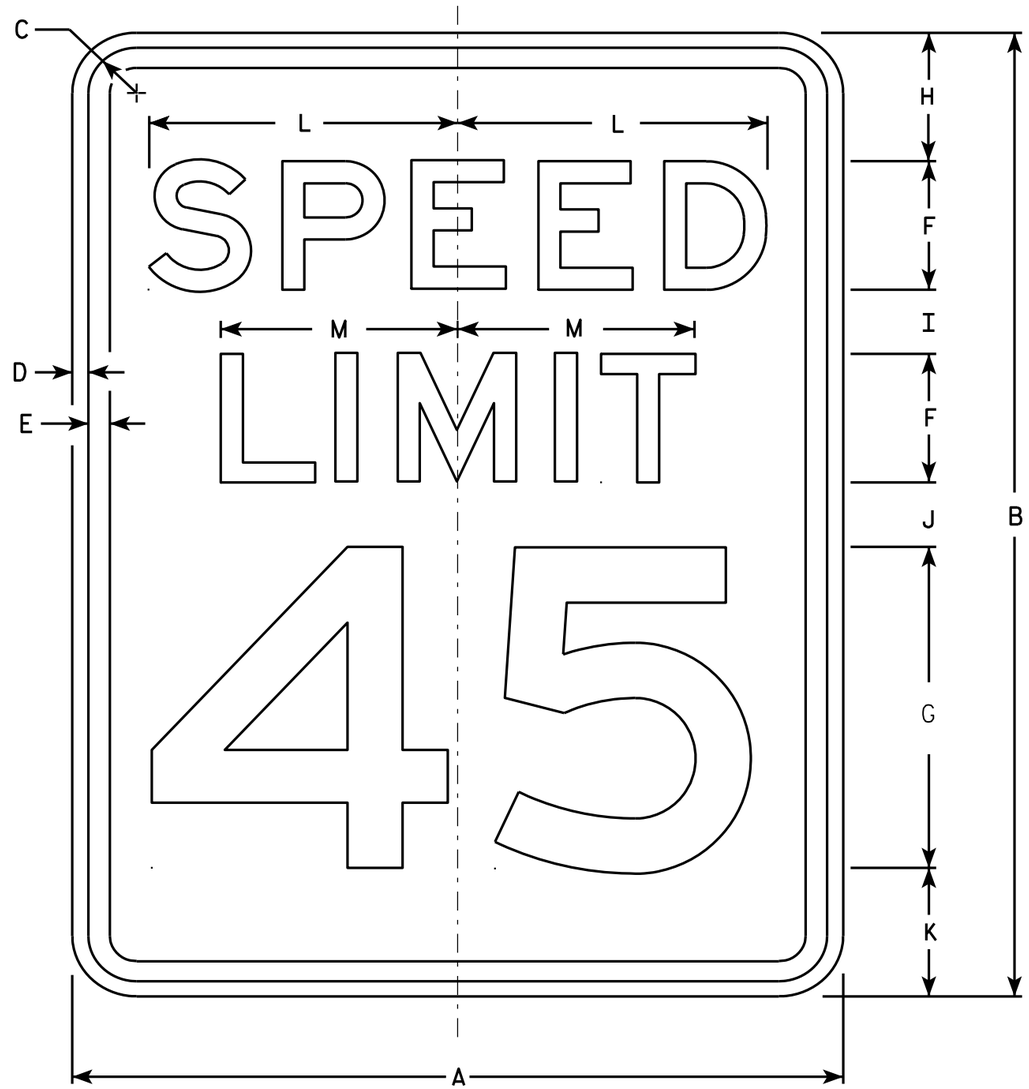
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

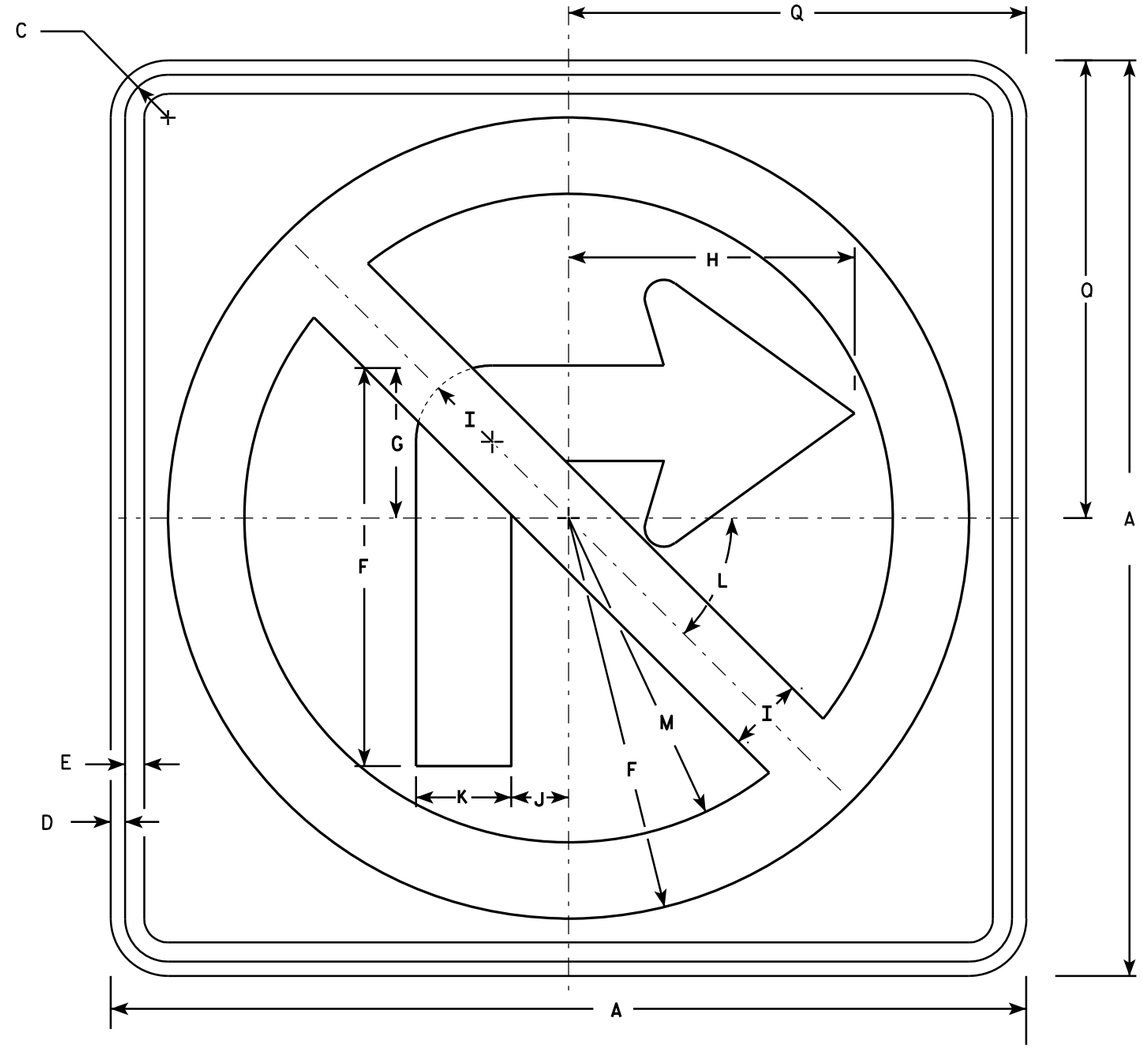
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

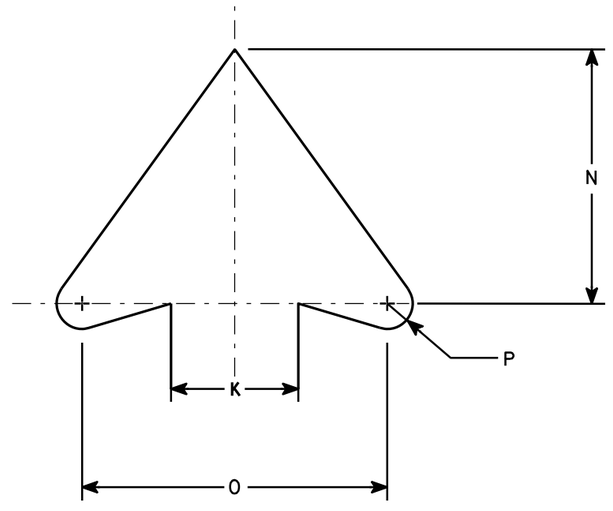
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 702	E



R3-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

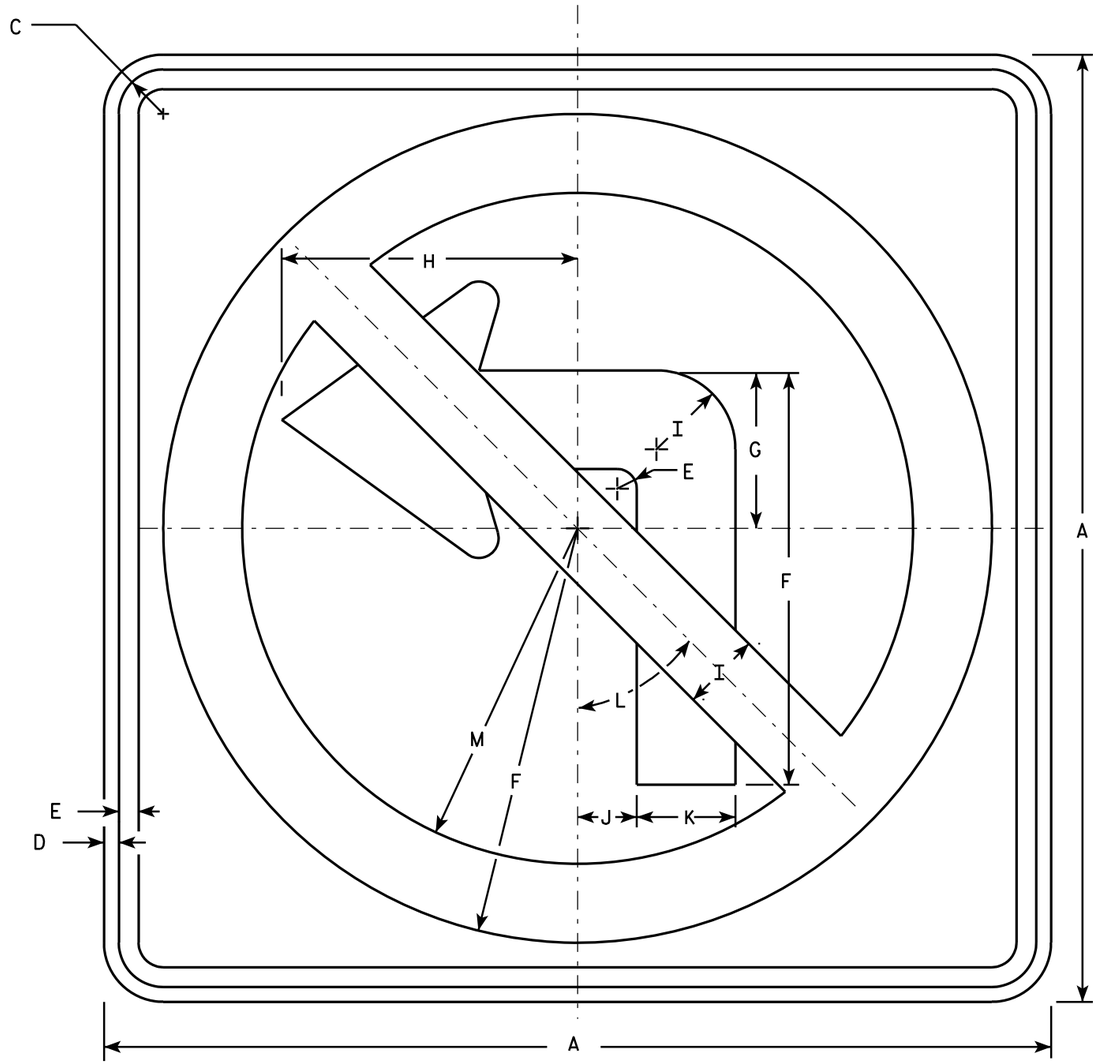
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

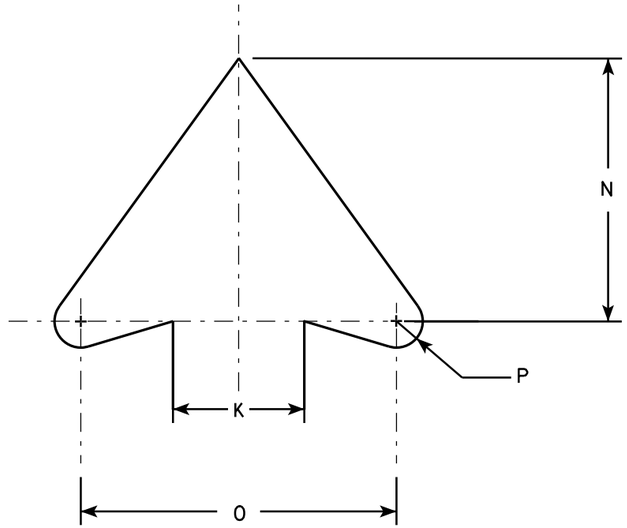
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 703	E



R3-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 704	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R32.DGN PLOT DATE : 08-DEC-2010 14:41 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 5.760408:1.000000

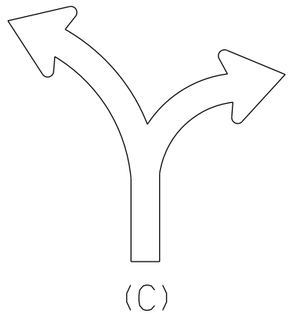
WISDOT/CADDS SHEET 42

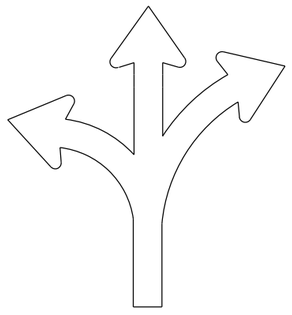


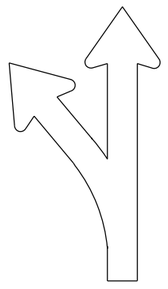
(A)

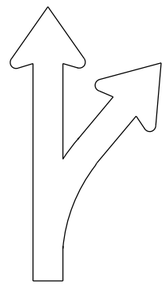


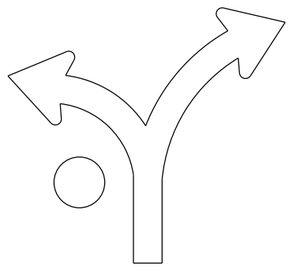
(B)

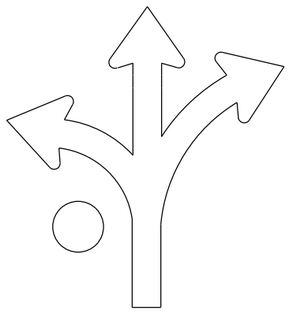

(C)

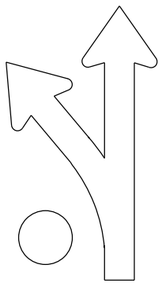

(D)


(E)


(F)

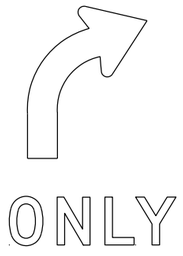

(G)


(H)

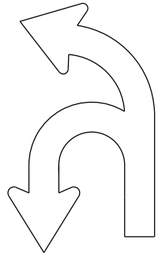

(I)



(L)



(R)


(U)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1	Letter =	3.75 sq ft for Size 2
		6.0 sq ft for Size 3
		10.0 sq ft for Size 4 or 5
2	Letters =	7.5 sq ft for Size 2
		12.0 sq ft for Size 3
		20.0 sq ft for Size 4 or 5
3	Letters =	11.25 sq ft for Size 2
		18.0 sq ft for Size 3
		30.0 sq ft for Size 4 or 5
4	Letters =	15.0 sq ft for Size 2
		24.0 sq ft for Size 3
		40.0 sq ft for Size 4 or 5
5	Letters =	18.75 sq ft for Size 2
		30.0 sq ft for Size 3
		50.0 sq ft for Size 4 or 5
6	Letters =	22.5 sq ft for Size 2
		36.0 sq ft for Size 3
		60.0 sq ft for Size 4 or 5

6. When letters C,D,G,H are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

7

7

PROJECT NO:

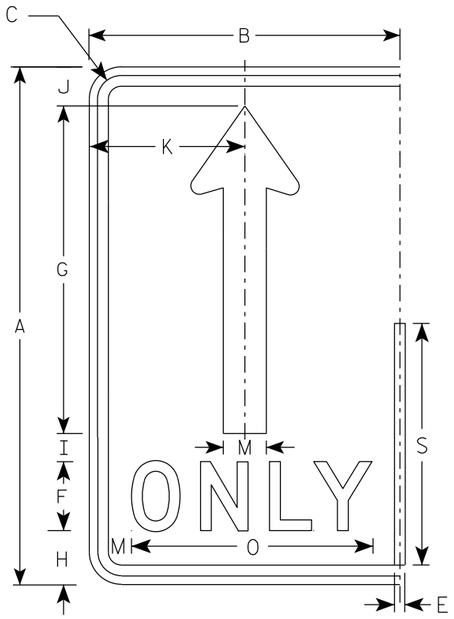
SHEET NO: 705 E

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 21-MAY 2019 4:37 PLOT BY : mscj9h PLOT NAME :

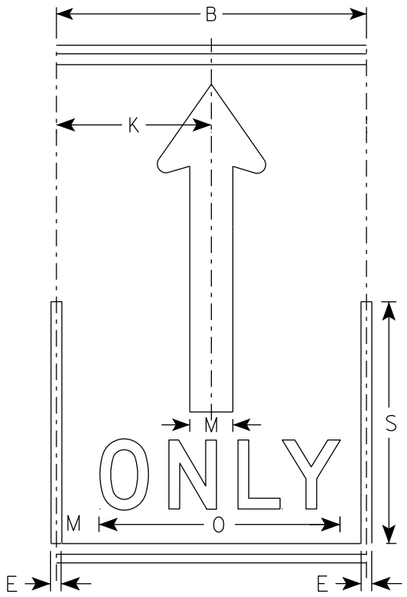
WISDOT/CADDS SHEET 42

NOTES

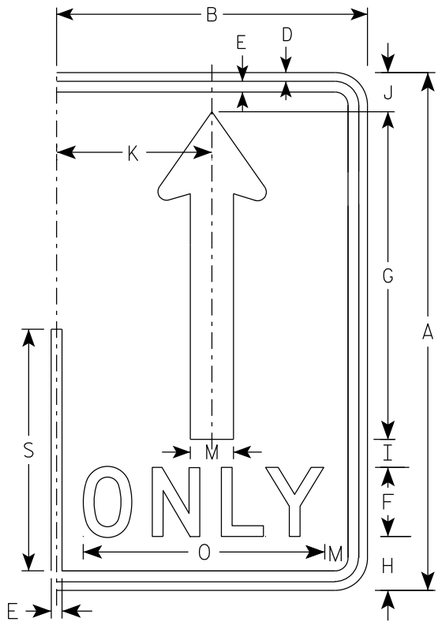
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



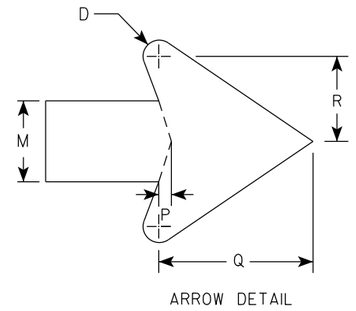
(A)



(A)



(A)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

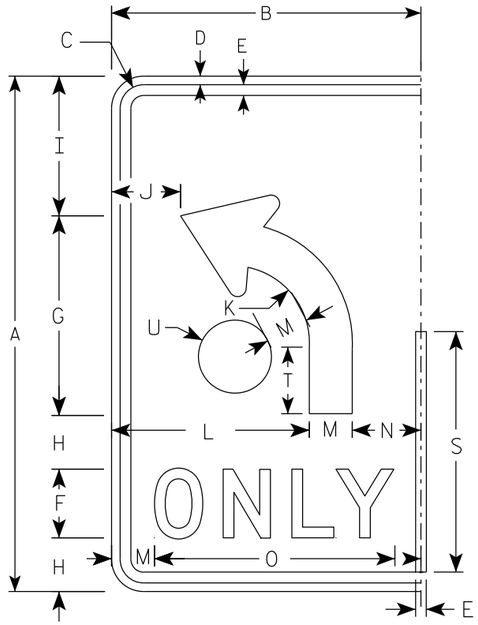
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

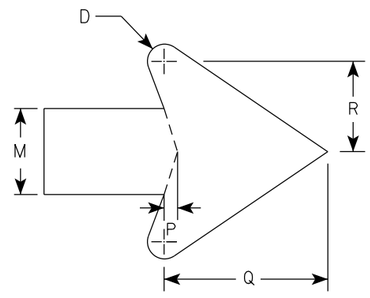
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 706 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

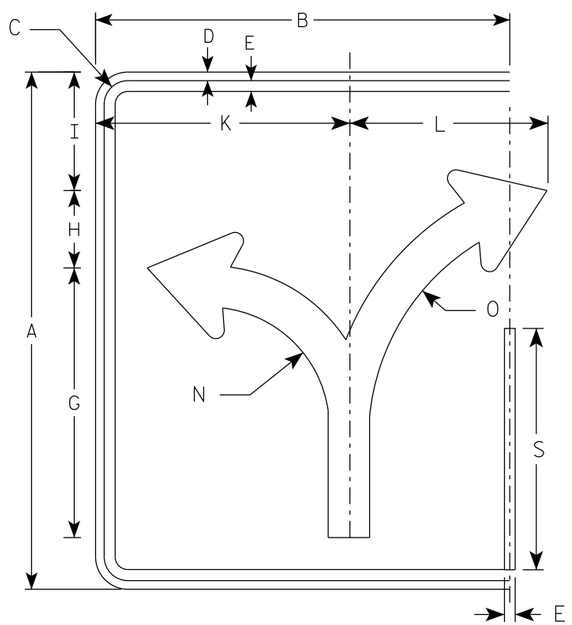
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

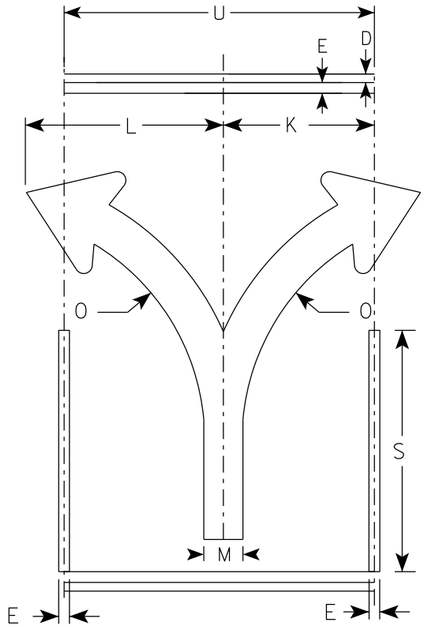
SHEET NO: 707 E

NOTES

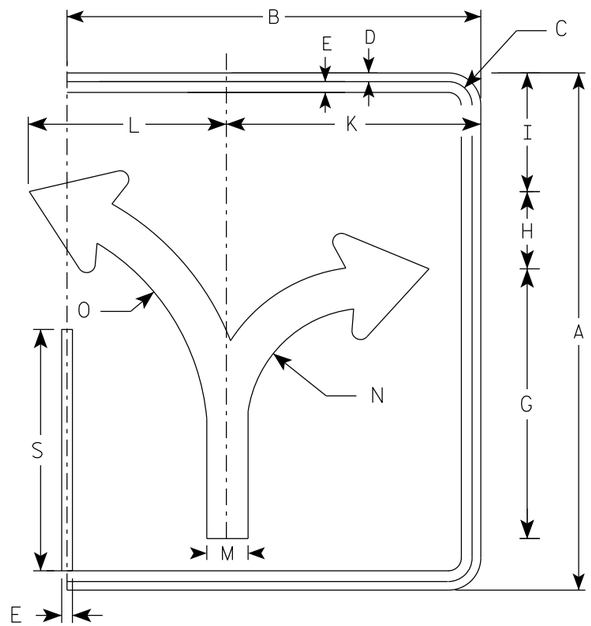
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



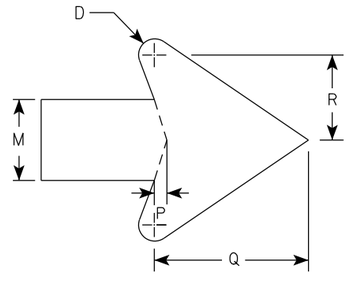
(C)



(C)



(C)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

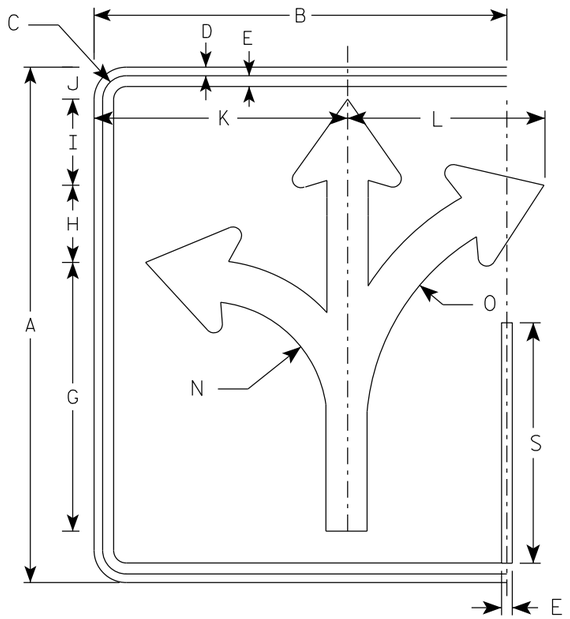
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

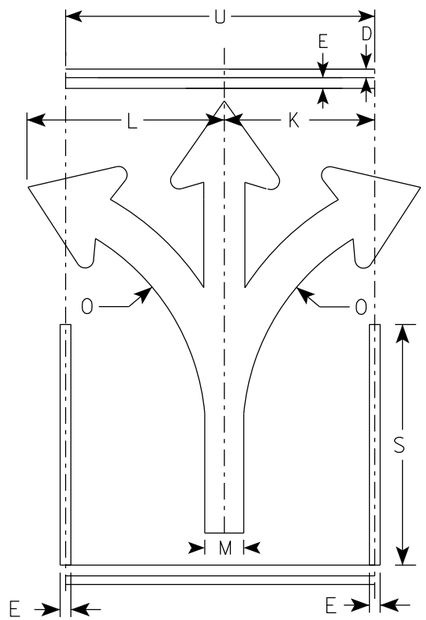
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 708 | E

NOTES

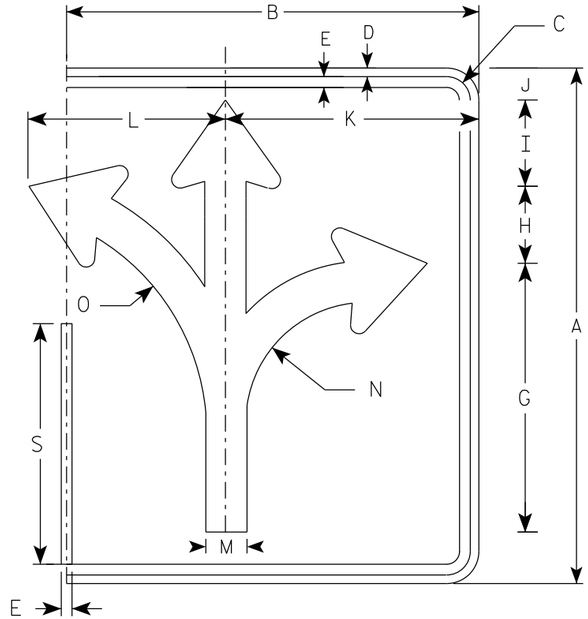
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



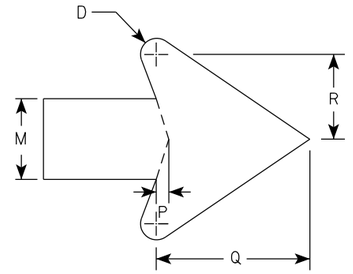
(D)



(D)



(D)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

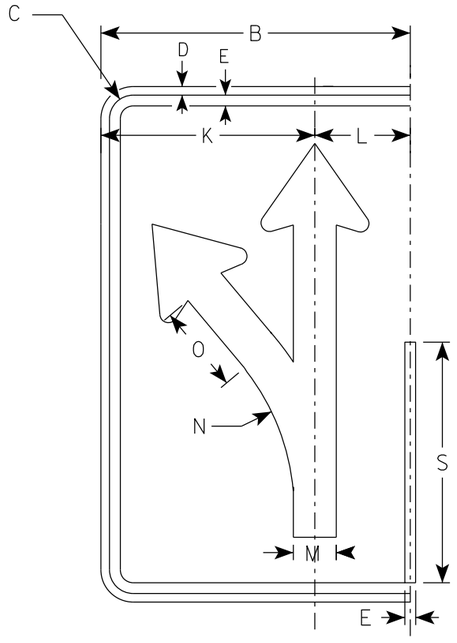
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

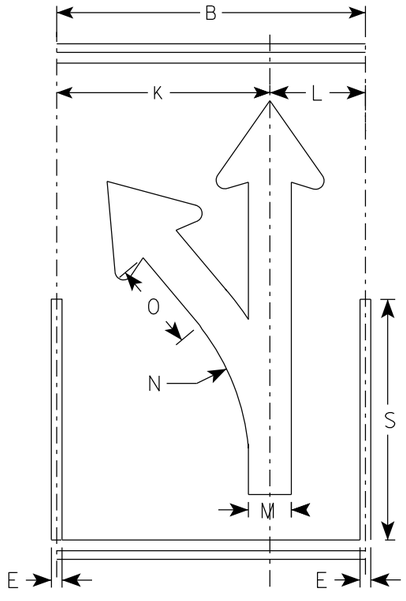
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 709 | E

NOTES

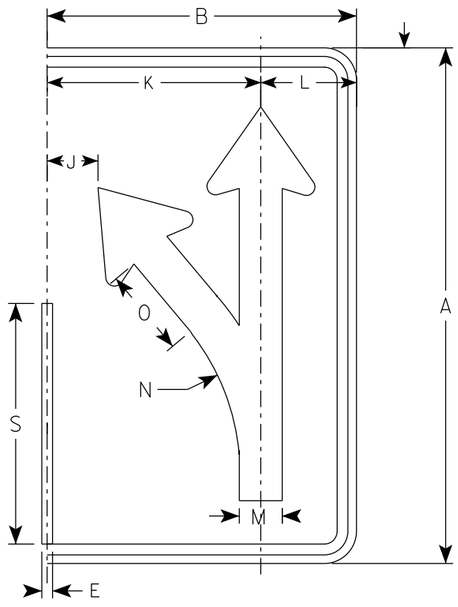
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



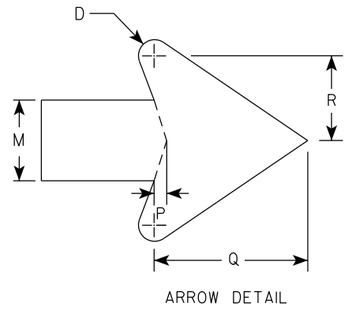
(E)



(E)



(E)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

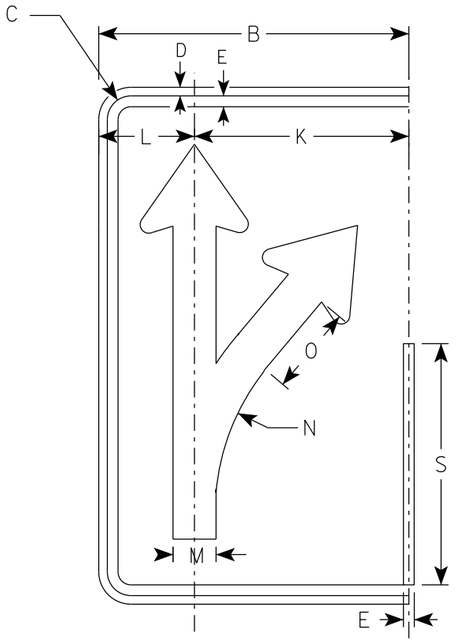
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

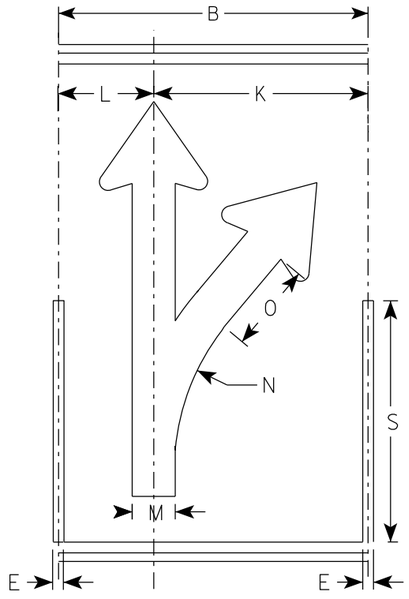
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 710 | E

NOTES

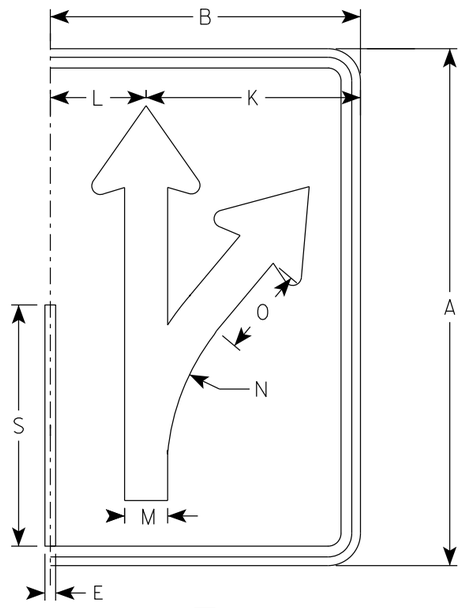
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



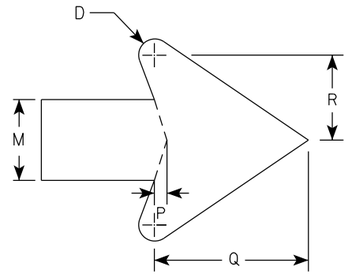
(F)



(F)



(F)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

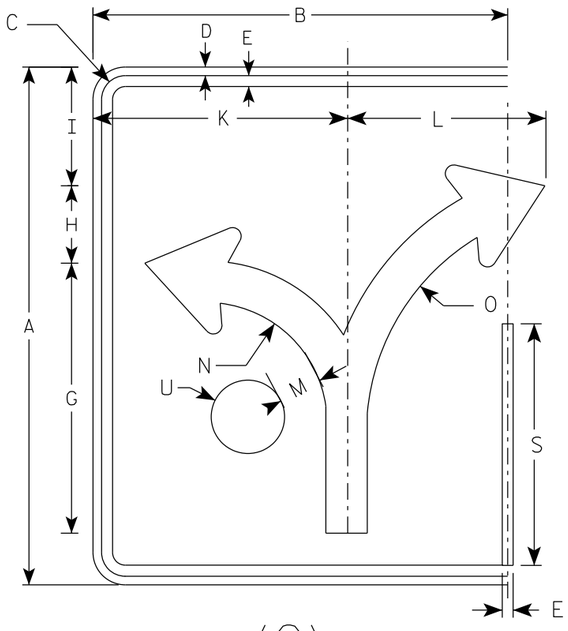
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 711 | E

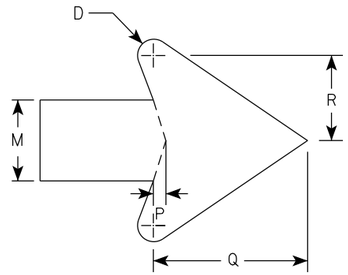
7

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

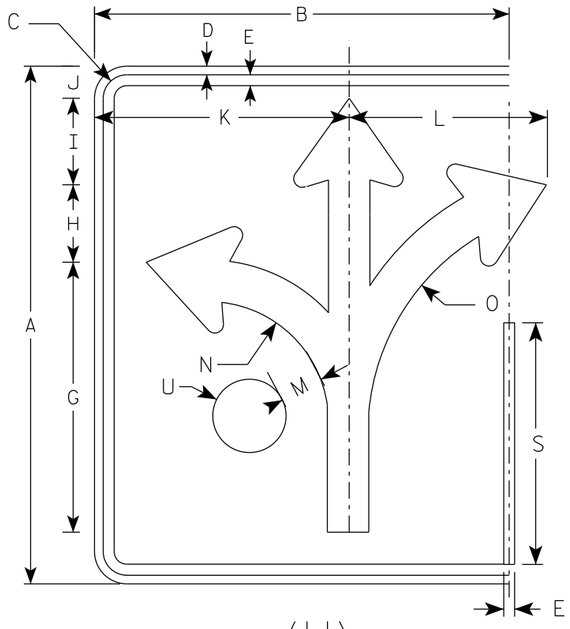
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 712 | E

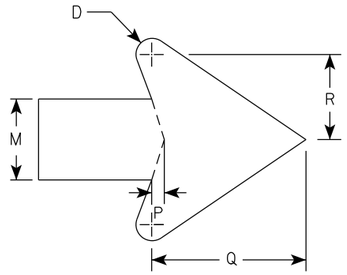
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 21-MAY 2019 4:38 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

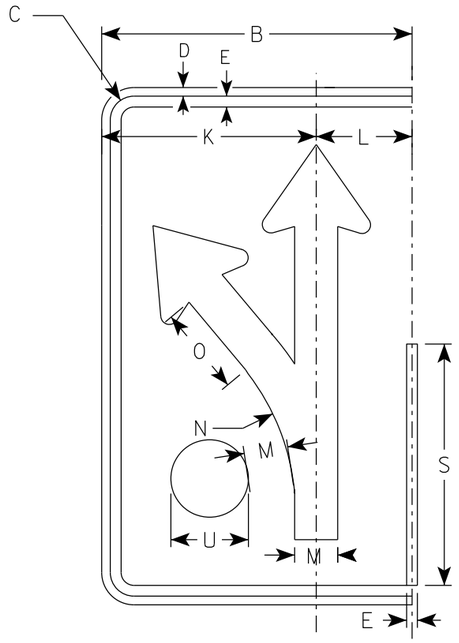
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

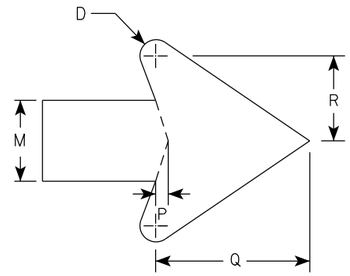
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 713	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

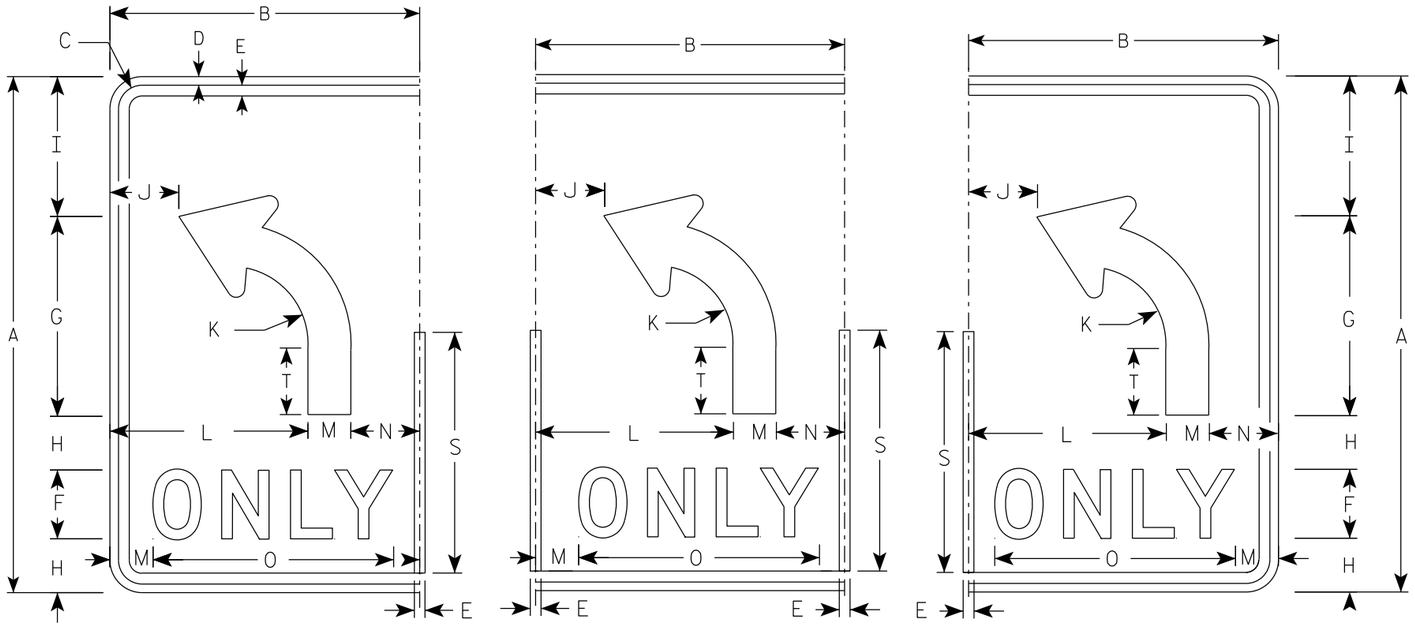
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

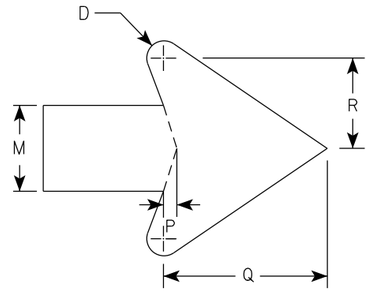
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 714 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



(L) (L) (L)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4		5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

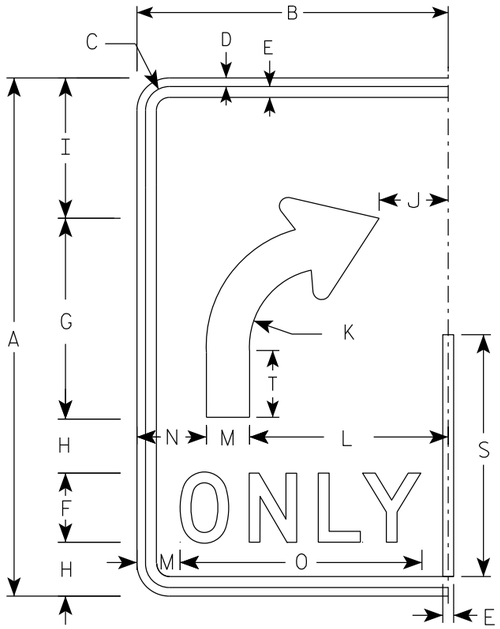
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

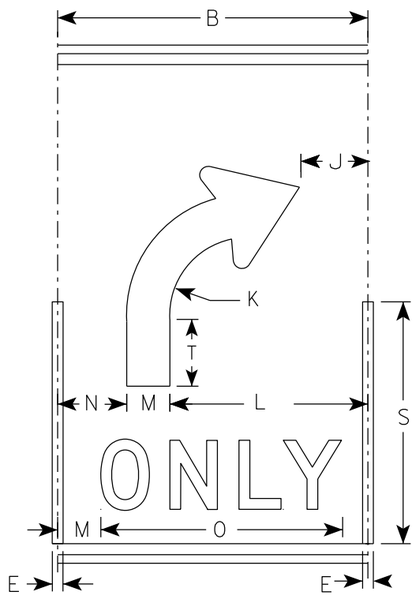
SHEET NO: 715 E

NOTES

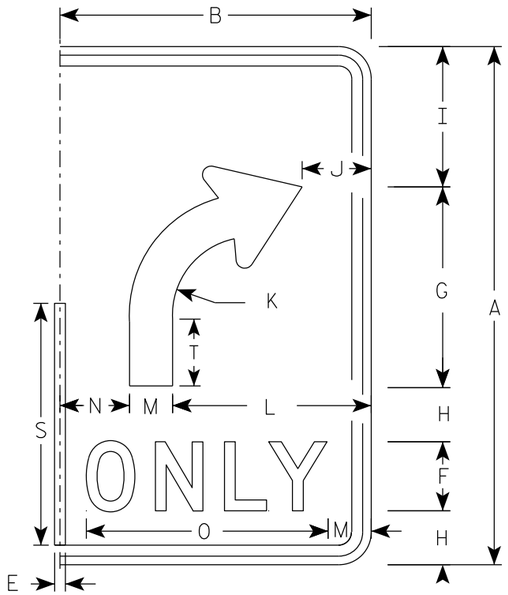
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



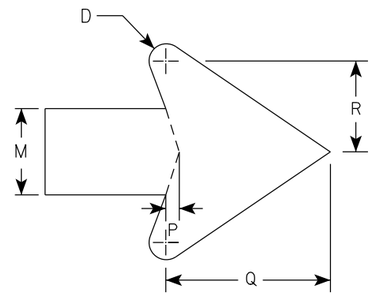
(R)



(R)



(R)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN
R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

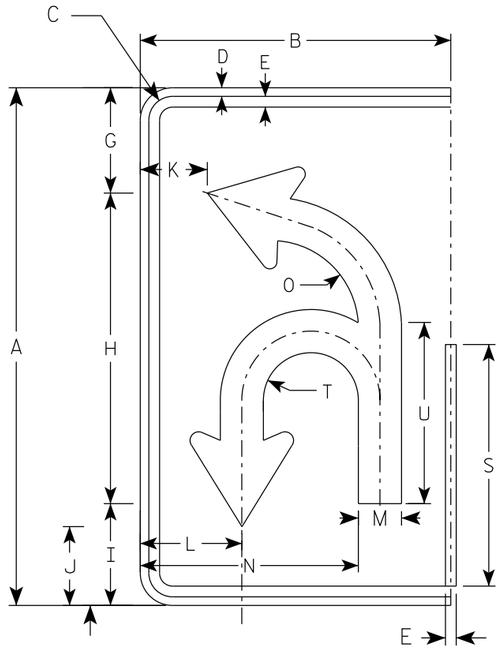
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

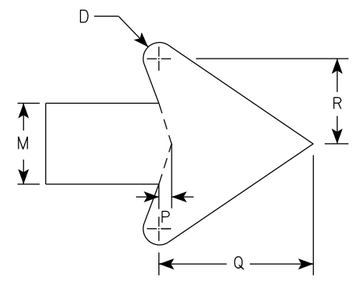
SHEET NO: 716 **E**

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(U)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

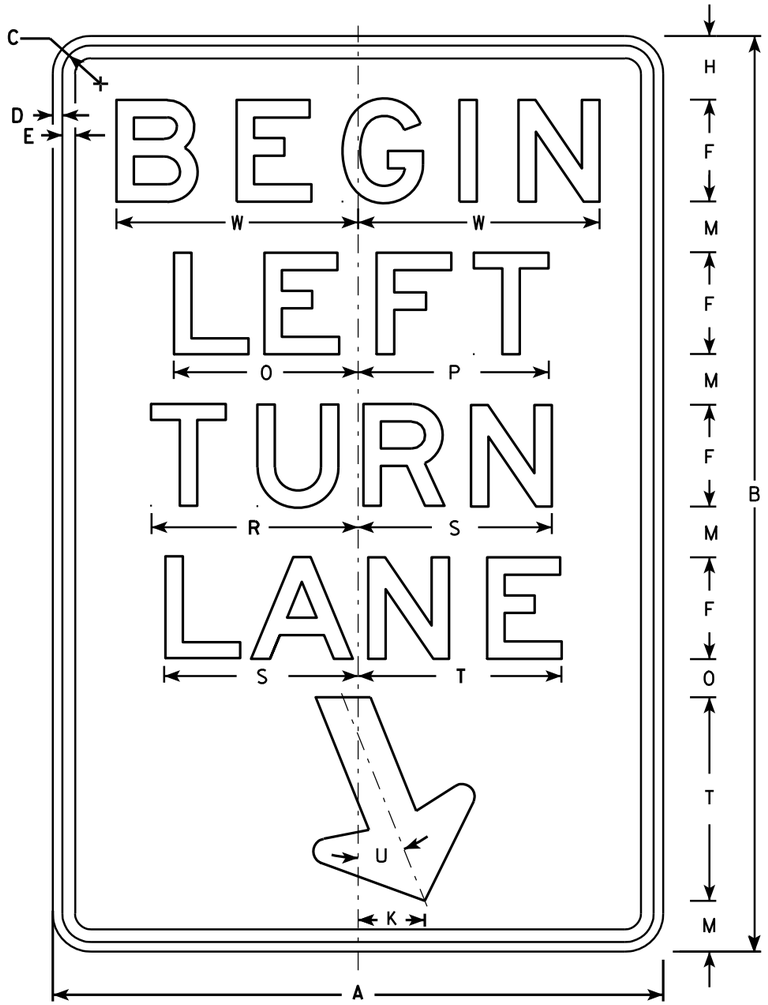
STANDARD SIGN
R3-8 (U) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

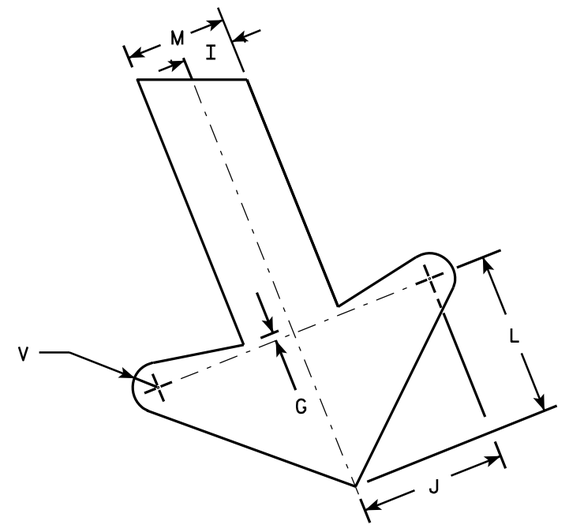
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 717 | E



R3-20L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

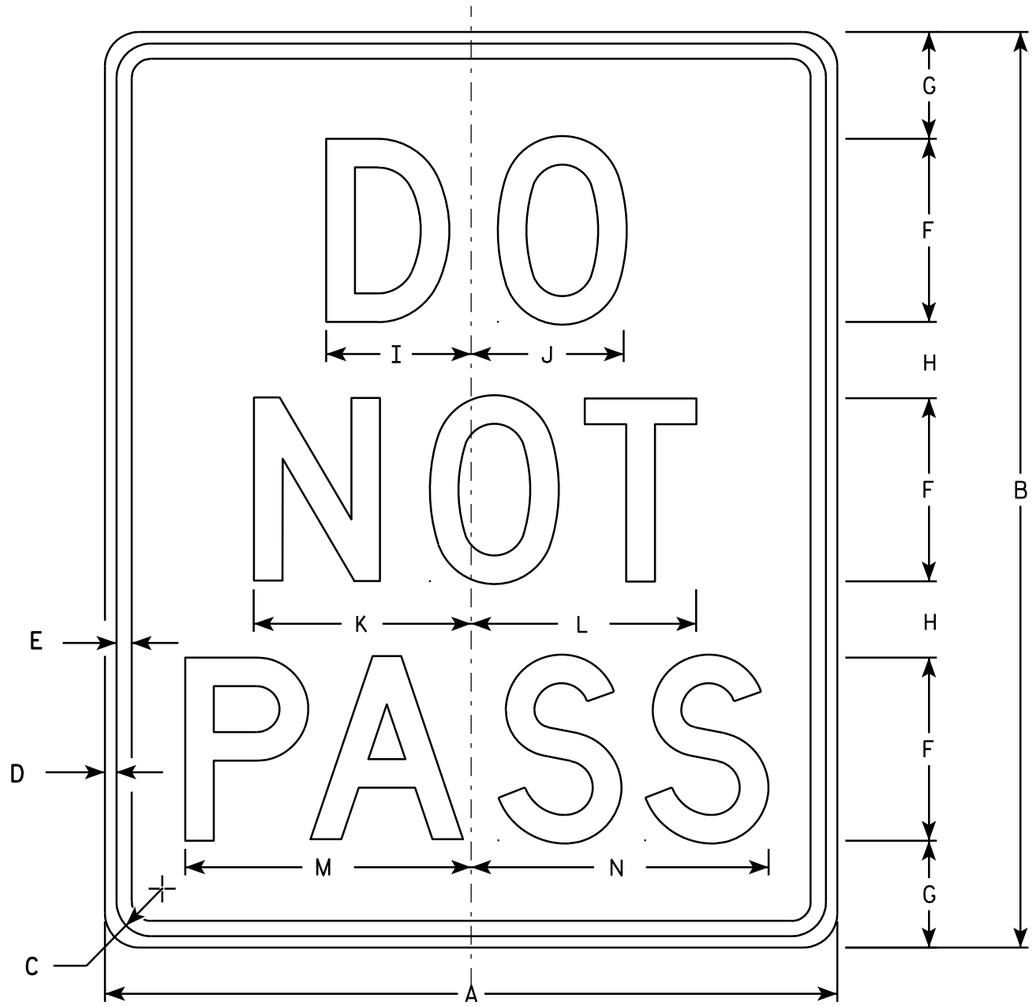
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 718 | E



R4-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 1/8	3 1/4	4 3/4	4 7/8	6 1/4	6 1/2													3.0
2S	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
2M	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
3																											
4	36	48	1 5/8	5/8	3/4	8	7	5	6 1/4	6 5/8	9 1/2	9 3/4	12 1/2	13													12.0
5	48	60	2 1/4	3/4	1	10	8	7	7 3/4	8 3/8	11 7/8	12 1/4	15 5/8	16 1/4													20.0

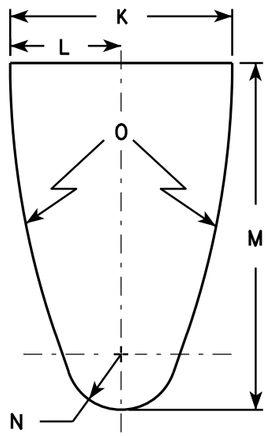
STANDARD SIGN
R4-1

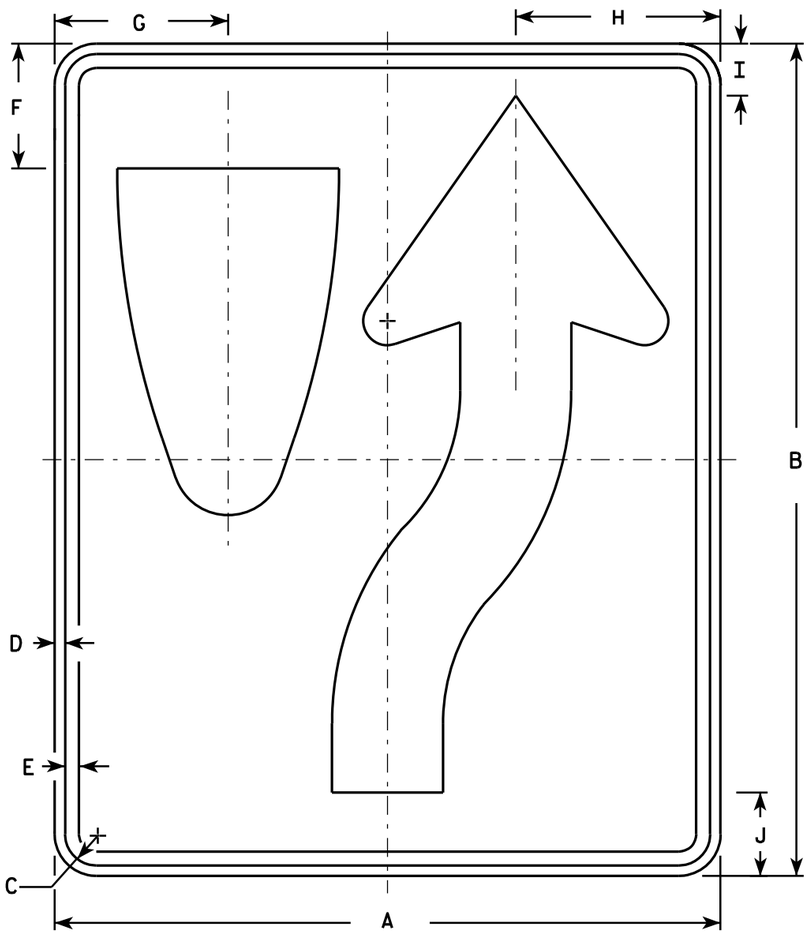
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-1.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 719 | E

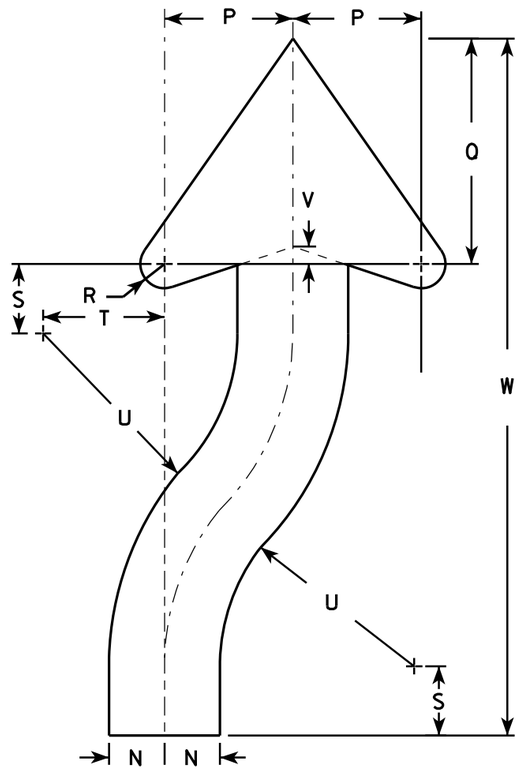




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

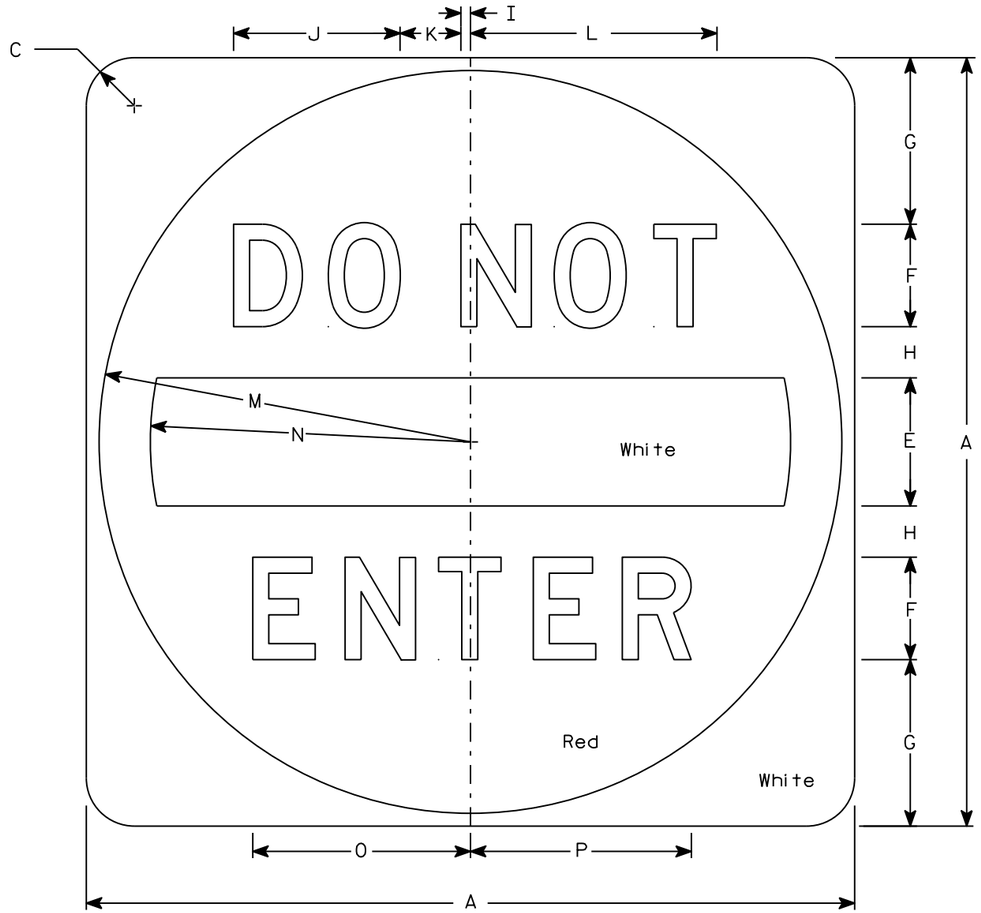
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 720	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See detail
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

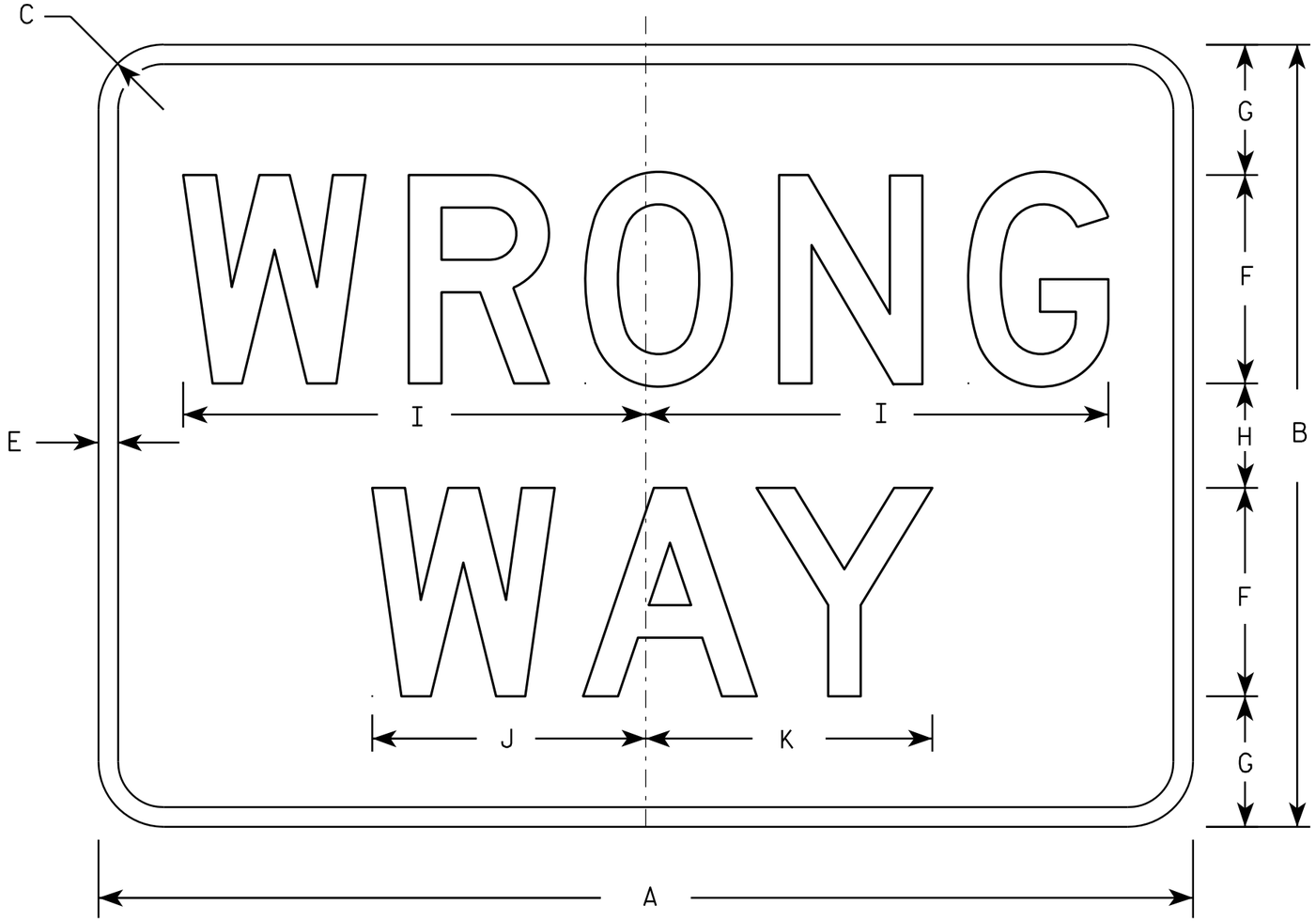
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 721 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

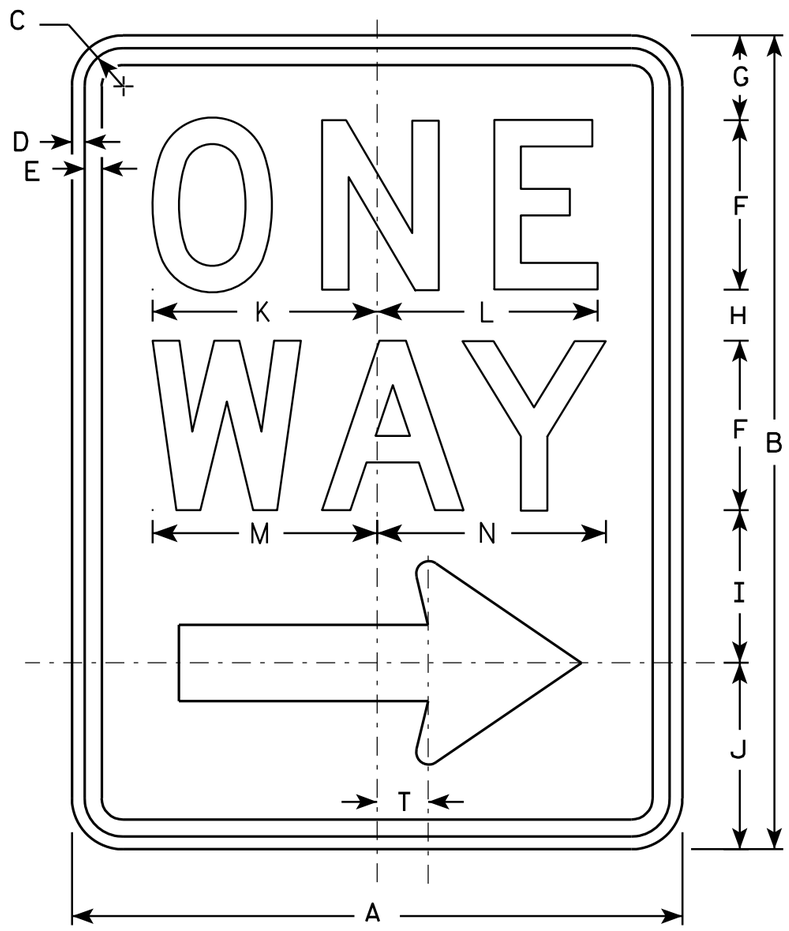
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

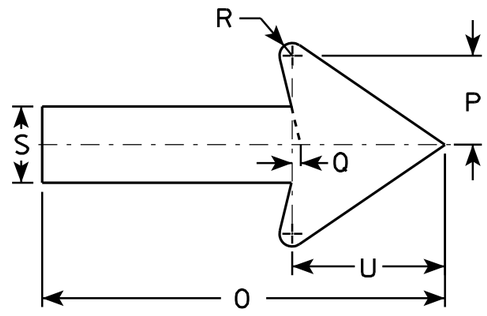
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 722	E



R6-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

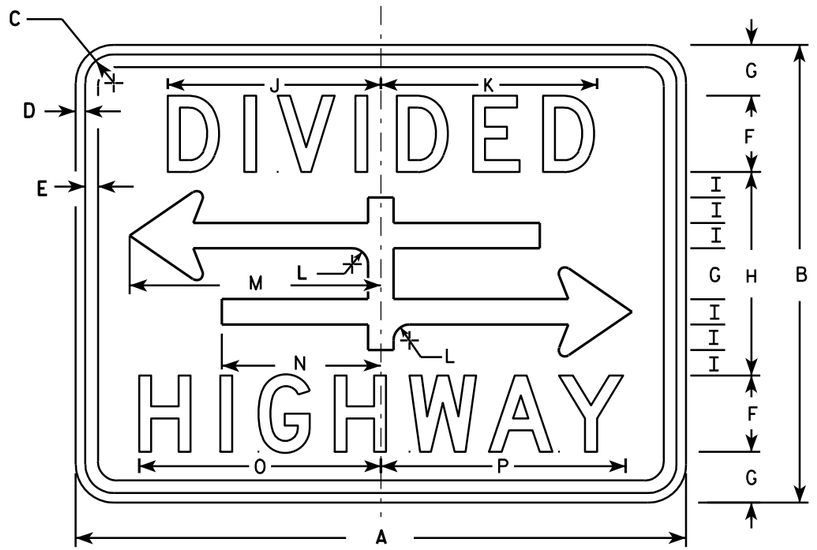
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

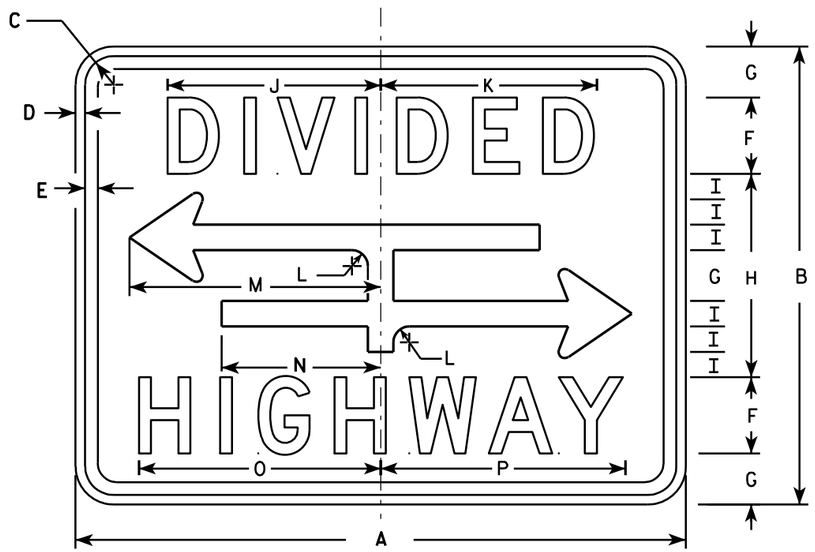
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 723	E



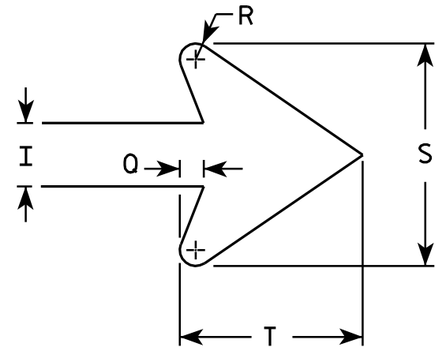
R6-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-3A



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	18	1 1/8	3/8	3/8	3	2	8	1	8 3/8	8 1/2	5/8	9 7/8	6 1/4	9 1/2	9 5/8	3/8	1/4	3 1/2	2 3/4							3.0
2S	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
2M	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
3																											
4																											
5																											

STANDARD SIGN
R6-3 & R6-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

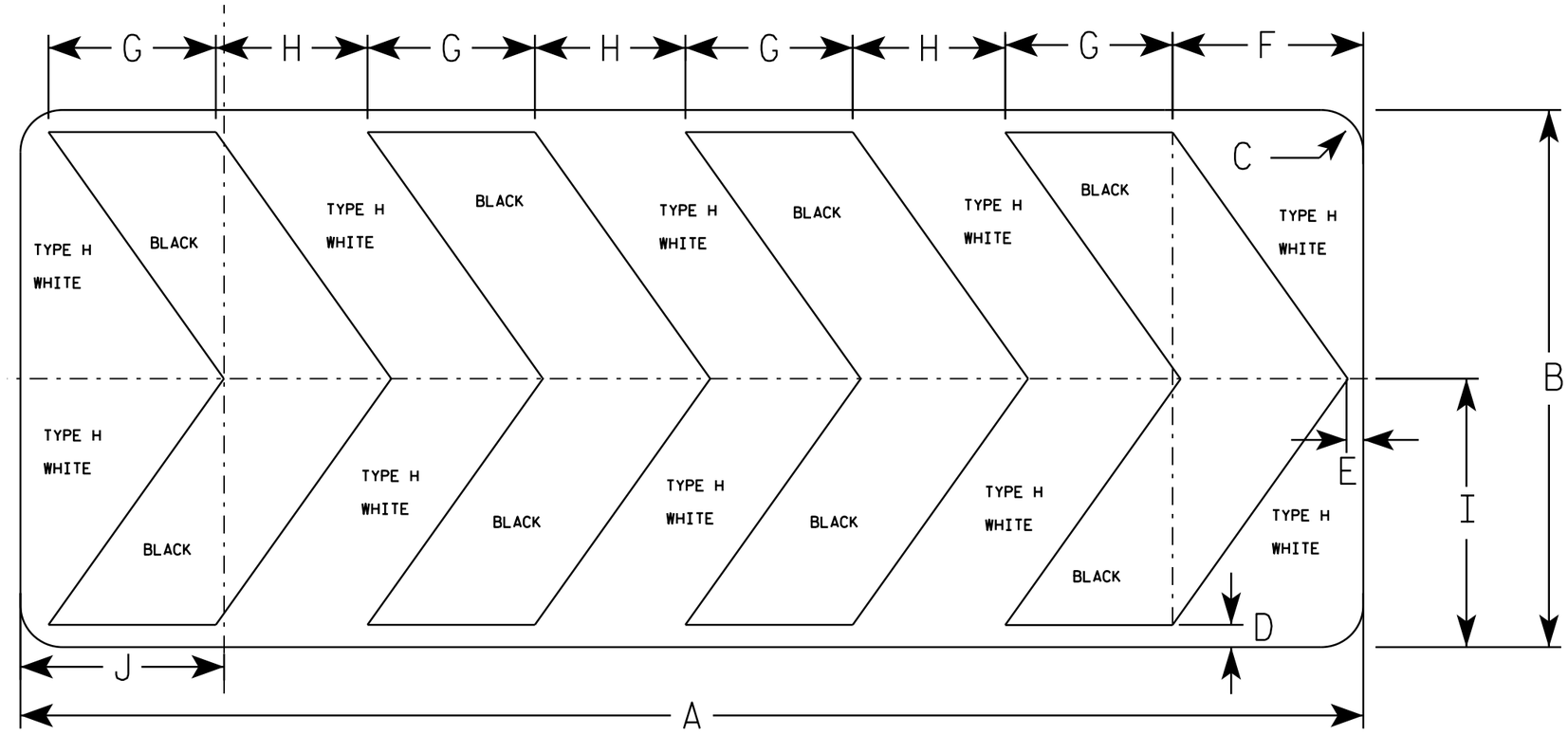
DATE 3/31/2011 PLATE NO. R6-3.5

PROJECT NO:

SHEET NO: 724 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - WHITE
   Message - BLACK
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-4B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
2M	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
3																											
4																											
5																											

STANDARD SIGN
R6-4B

WISCONSIN DEPT OF TRANSPORTATION

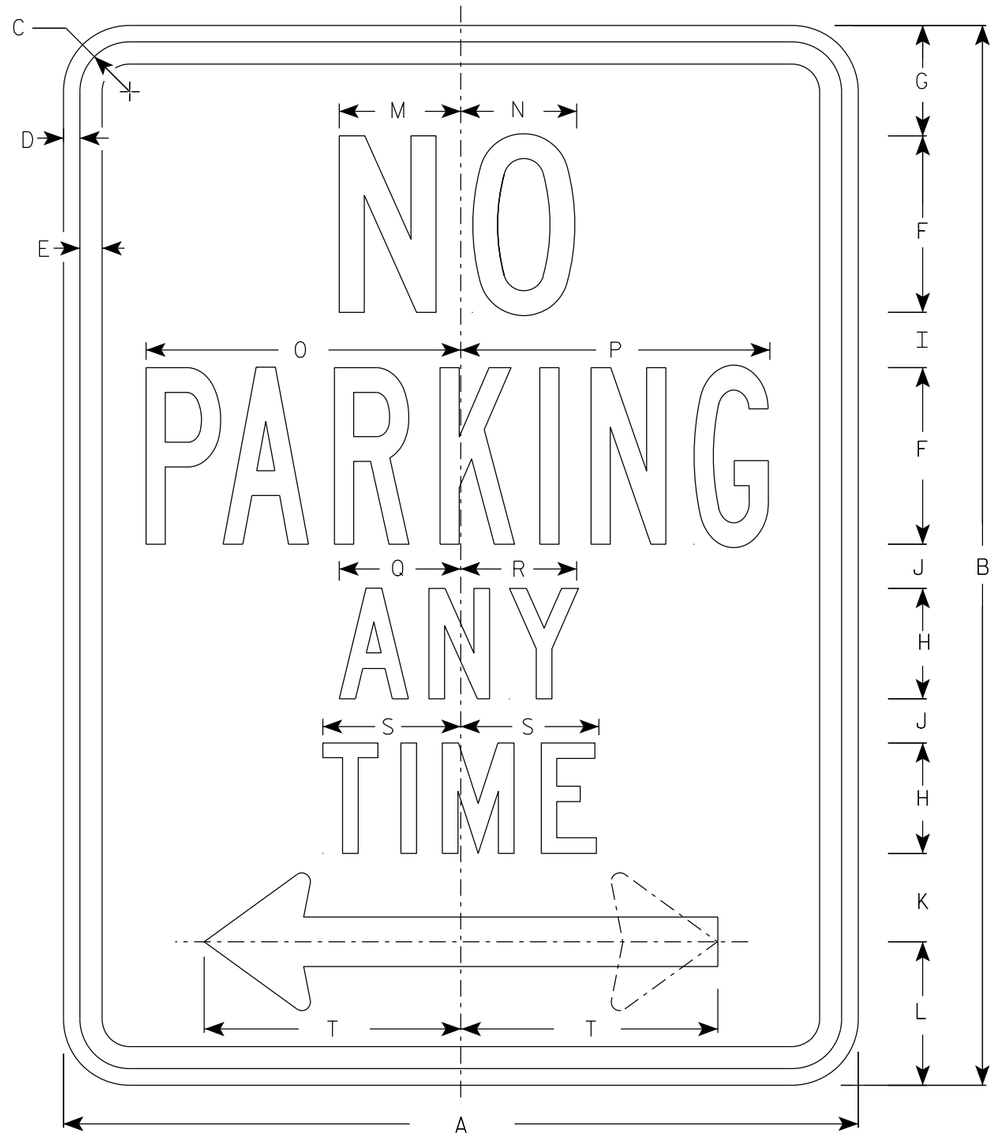
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/14 PLATE NO. R6-4.3

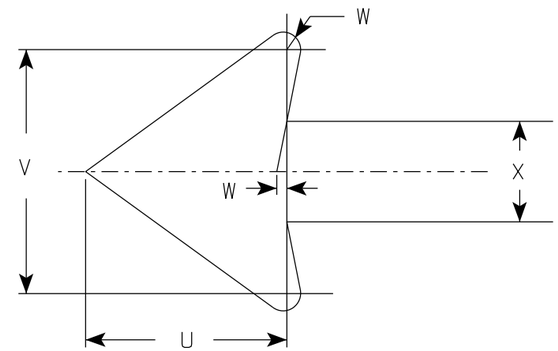
PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R64B.DGN PLOT DATE : 21-AUG-2014 15:01 PLOT BY : mscsja

WISDOT/CADDS SHEET 42



R7-1



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 5
4. Lines 1, 3 and 4 are series C, line 2 is series B.
5. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

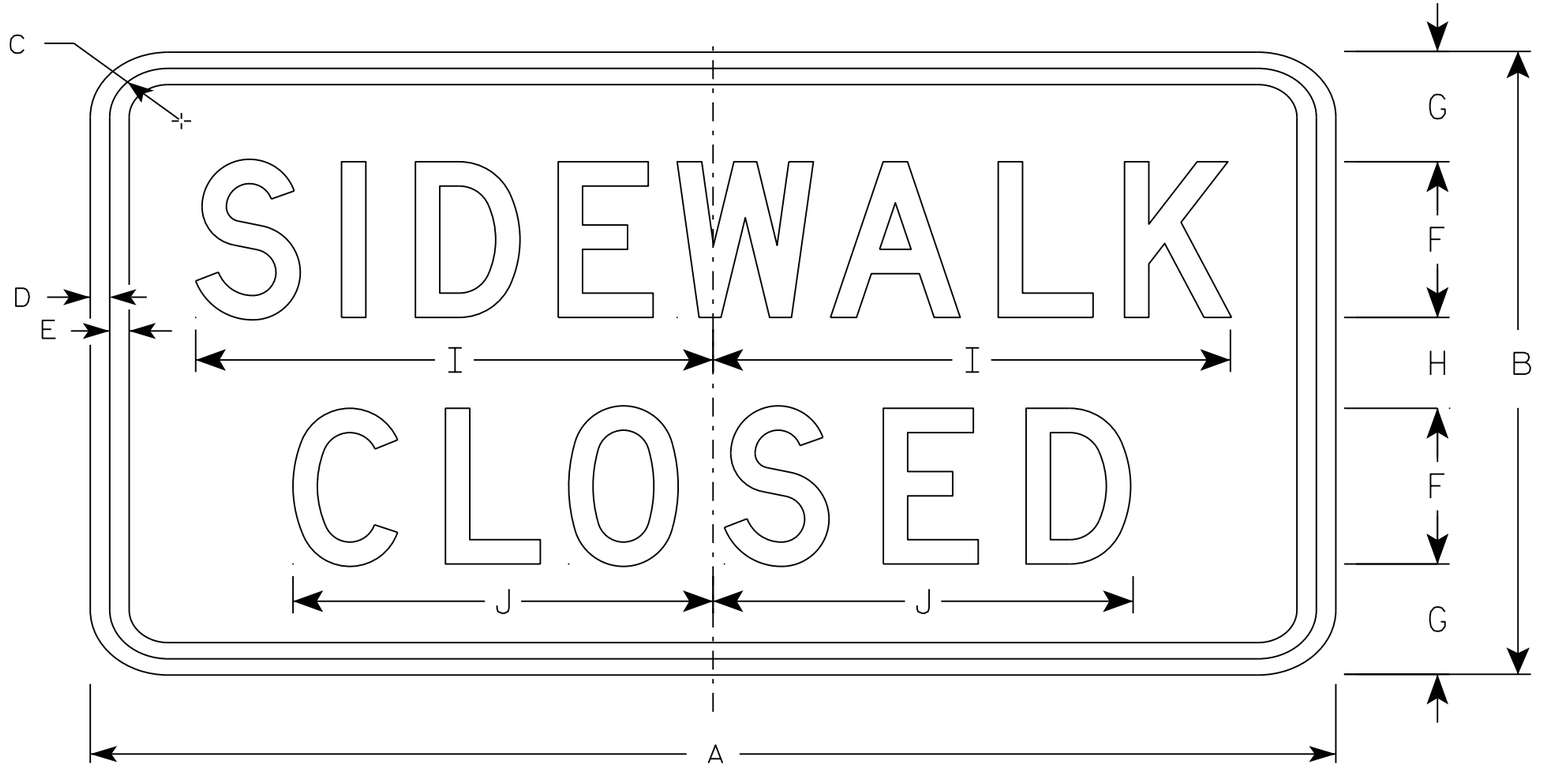
STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. R7-1.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 726 E



R9-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

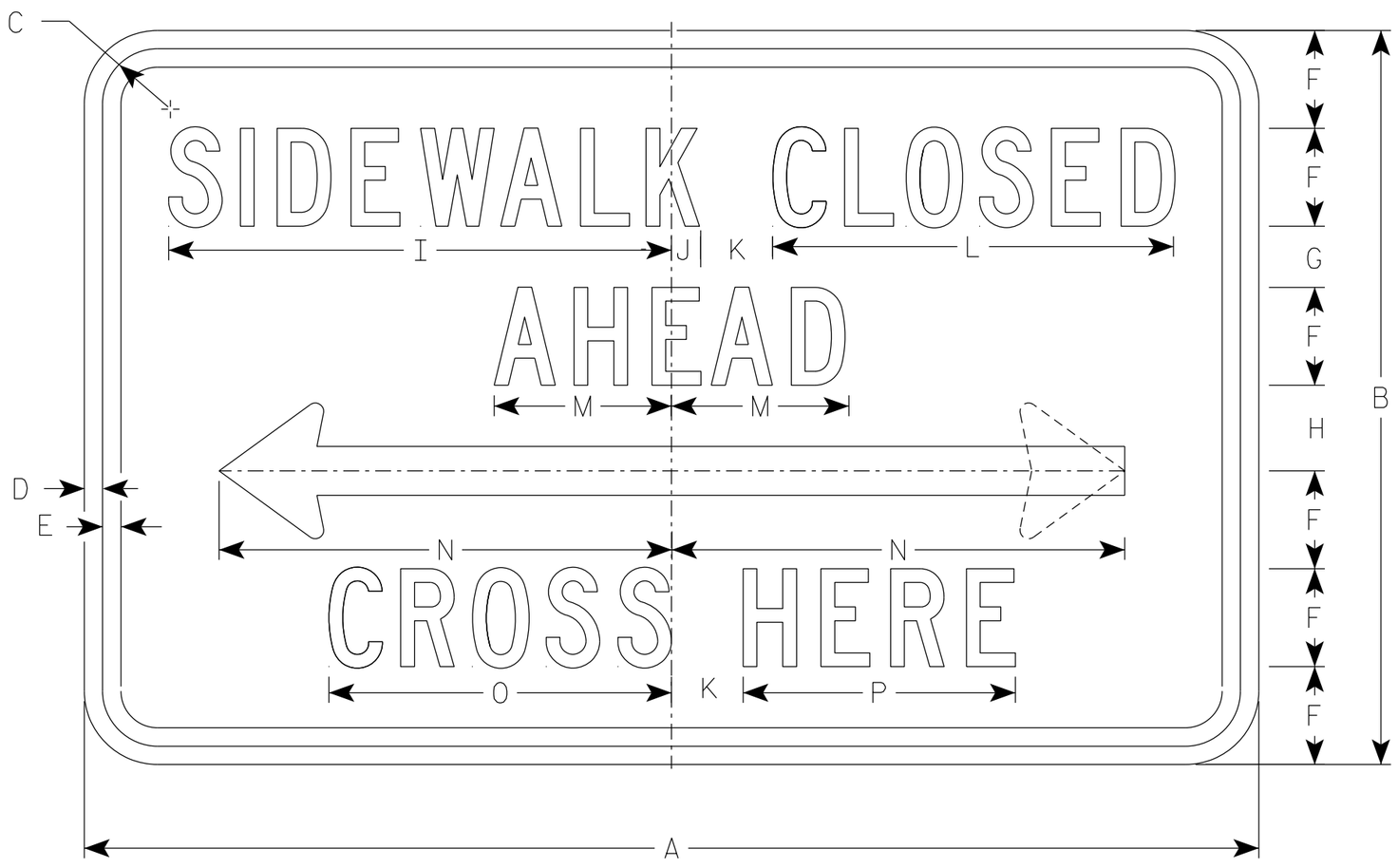
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

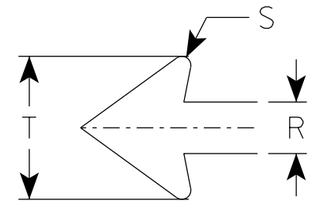
DATE 8/11/16 PLATE 727 R9-9.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000



R9-11



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C except Size 1 is Series D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.
6. R9-11 D (double arrow)
   R9-11 L (left arrow)
   R9-11 R (right arrow)

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
2M	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
3	30	15	1 1/8	3/8	1/2	2	1 1/2	1 1/2	13	3/4	2	10 1/4	4 5/8	12 3/8	8 7/8	6 7/8		1 1/4	1/4	3 5/8							3.125
4																											
5																											

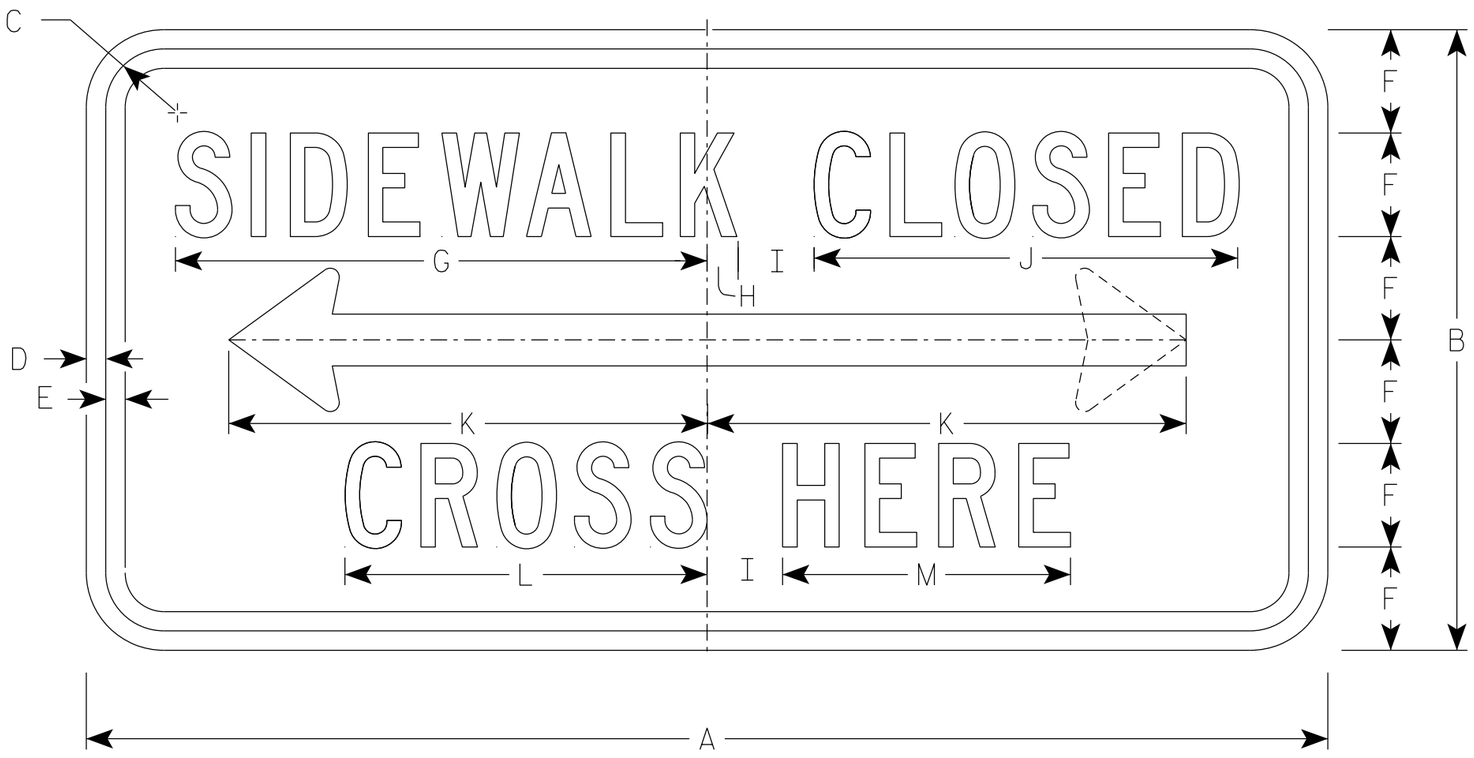
STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/30/2021 PLATE NO. R9-11.4

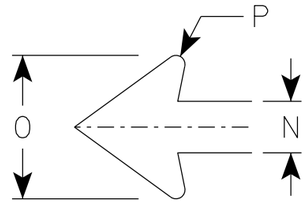
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 728 | E



R9-11A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for paths and Trails.
6. R9-11AD (double arrow)
   R9-11AL (left arrow)
   R9-11AR (right arrow)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
2M	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
3	30	15	1 1/8	3/8	1/2	2 1/2	12 3/4	1/2	2	10 1/4	12 3/8	8 5/8	6 3/4	1 1/4	3 5/8	1/4											3.125
4																											
5																											

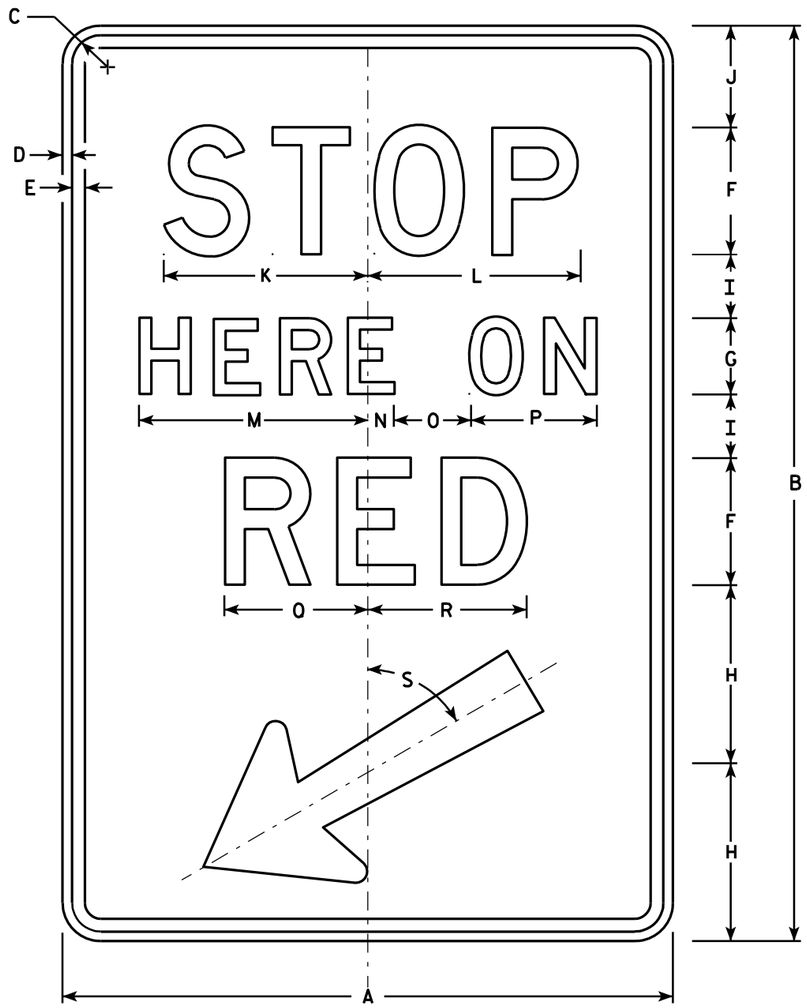
STANDARD SIGN
R9-11A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. R9-11A.5

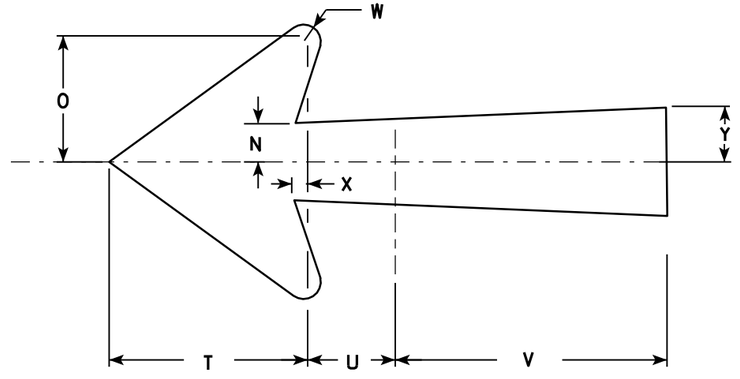
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 729 | E



R10-6

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
2M	24	36	1 1/8	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
3																											
4																											
5																											

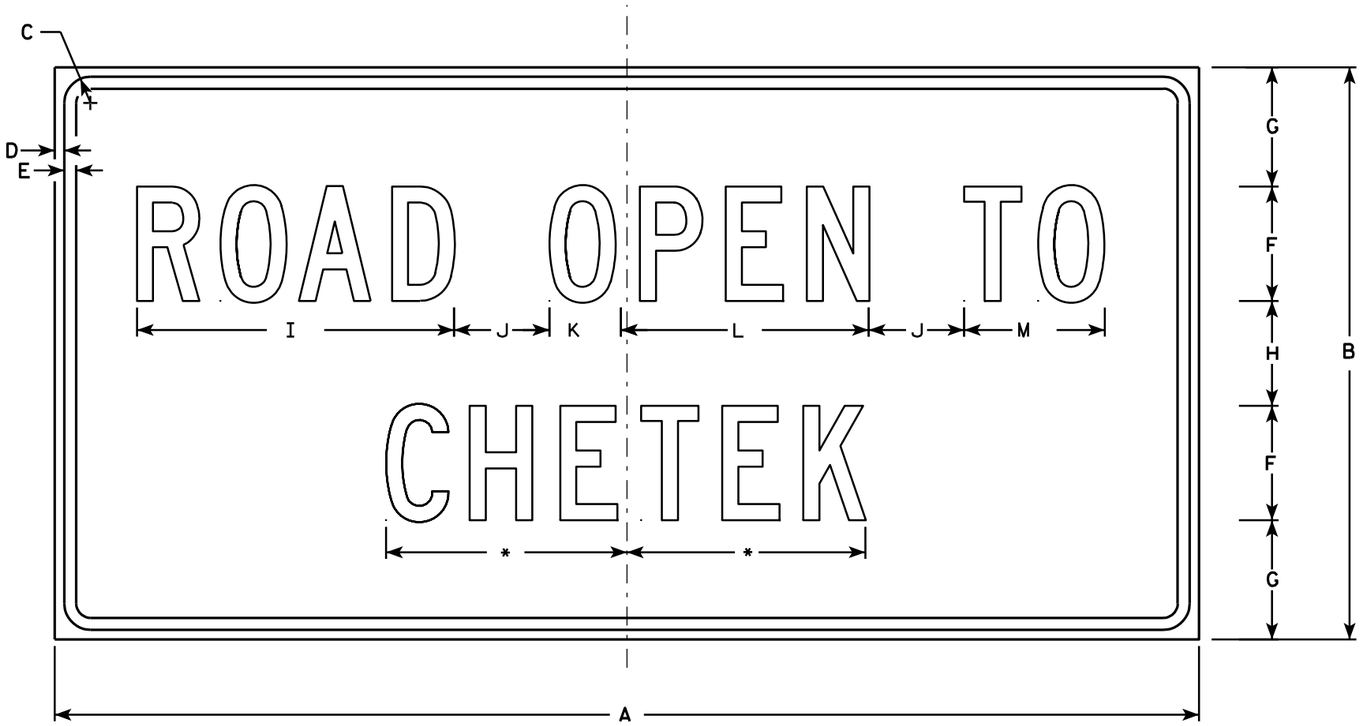
STANDARD SIGN
R10-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/5/11 PLATE NO. R10-6.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 730	E



R10-61

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate message and optically balance.

*See note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	24	1 3/8	1/2	5/8	4	5 1/2	5	10 3/4	2	2 1/8	8 3/8	4 5/8														6.0
2S	60	30	1 3/8	1/2	5/8	6	6 1/4	5 1/2	16 5/8	5	3 3/4	13	7 3/8														12.5
2M	60	30	1 3/8	1/2	5/8	6	6 1/4	5 1/2	16 5/8	5	3 3/4	13	7 3/8														12.5
3																											
4																											
5																											

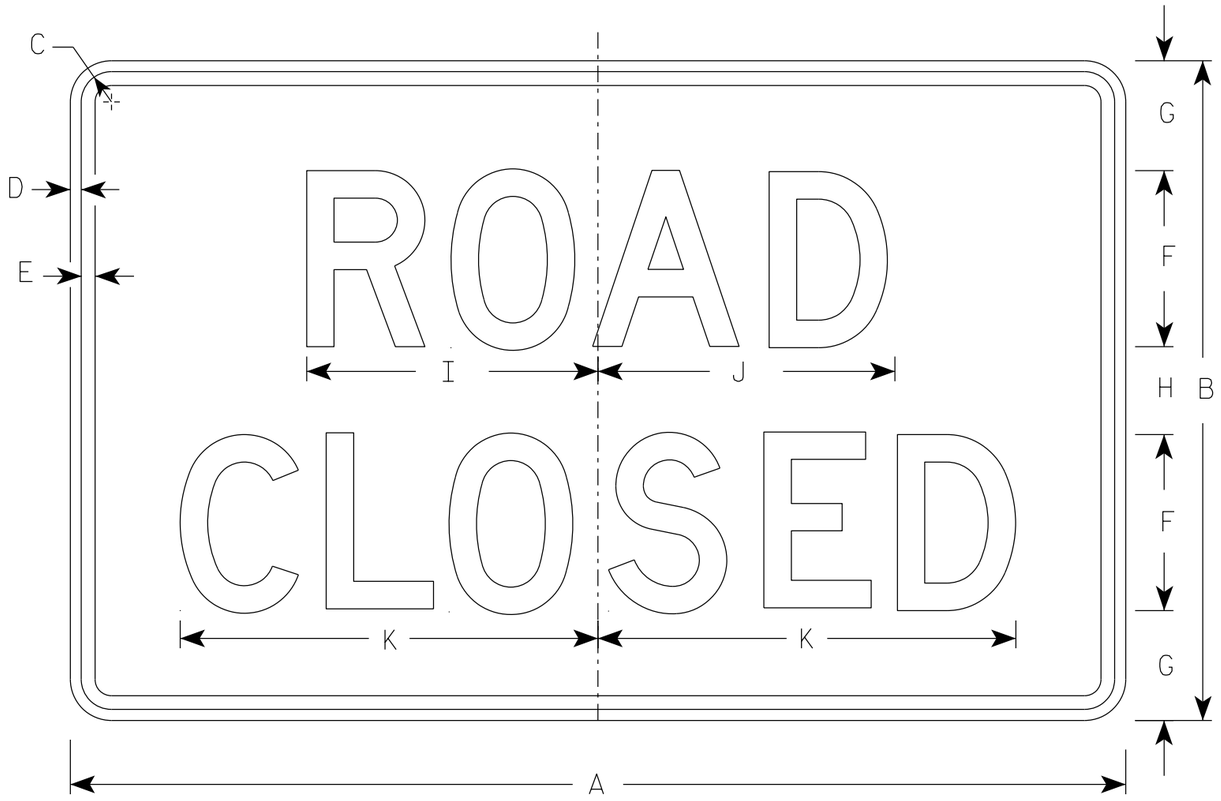
STANDARD SIGN
R10-61

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/4/11 PLATE NO. R10-61.5

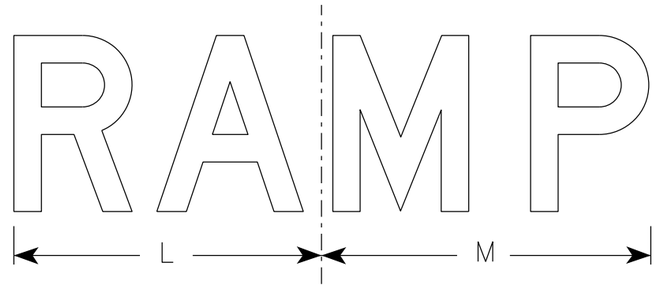
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 731	E



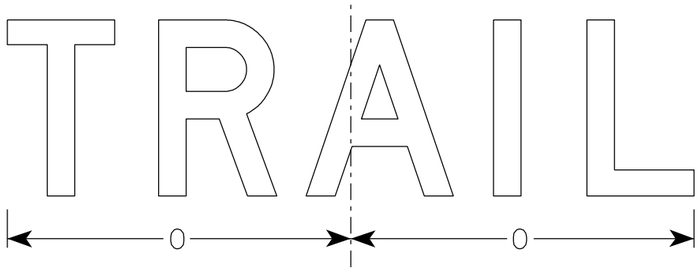
R11-2

NOTES

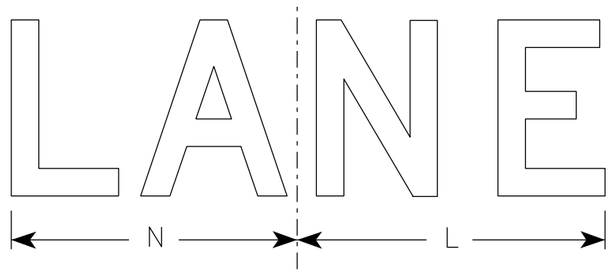
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

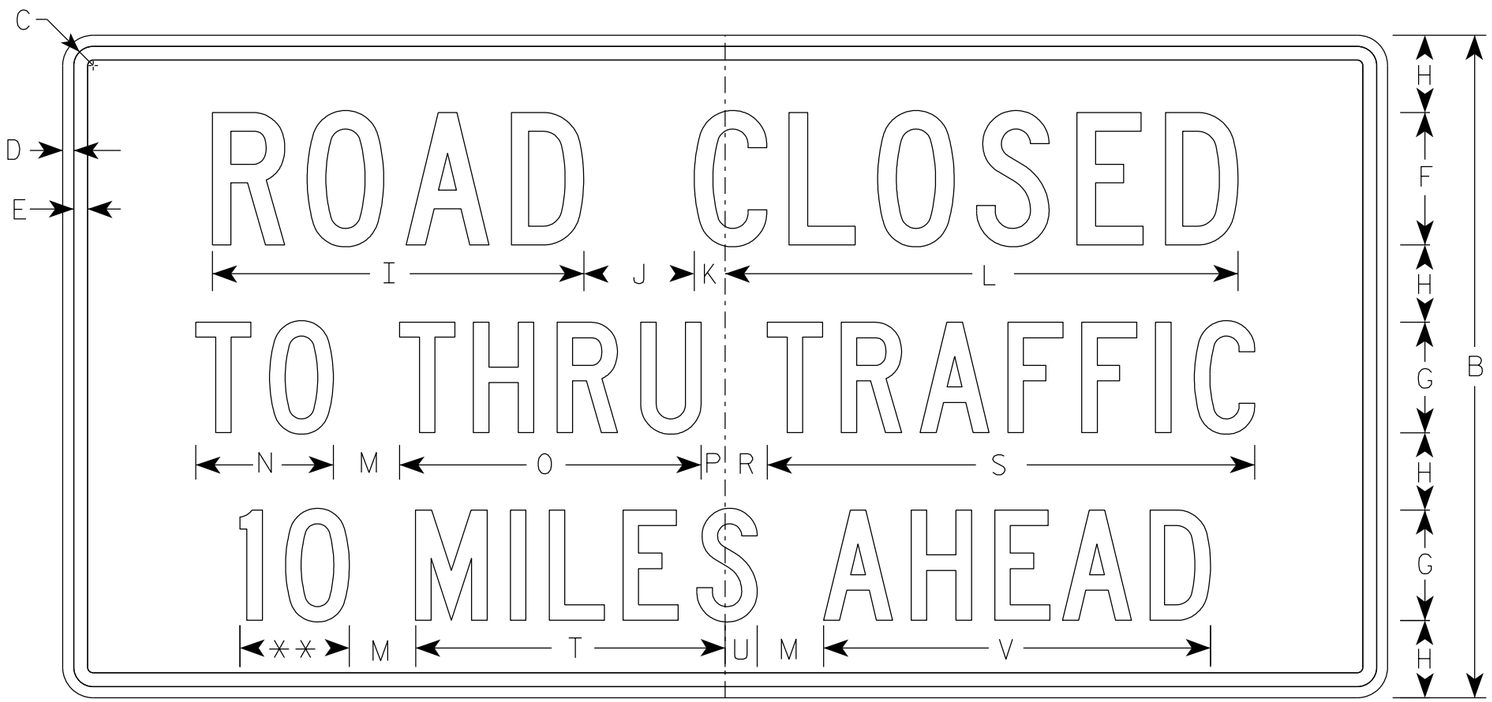
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 732 E

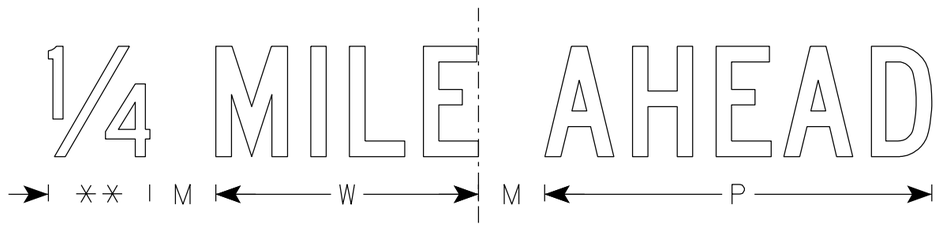
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



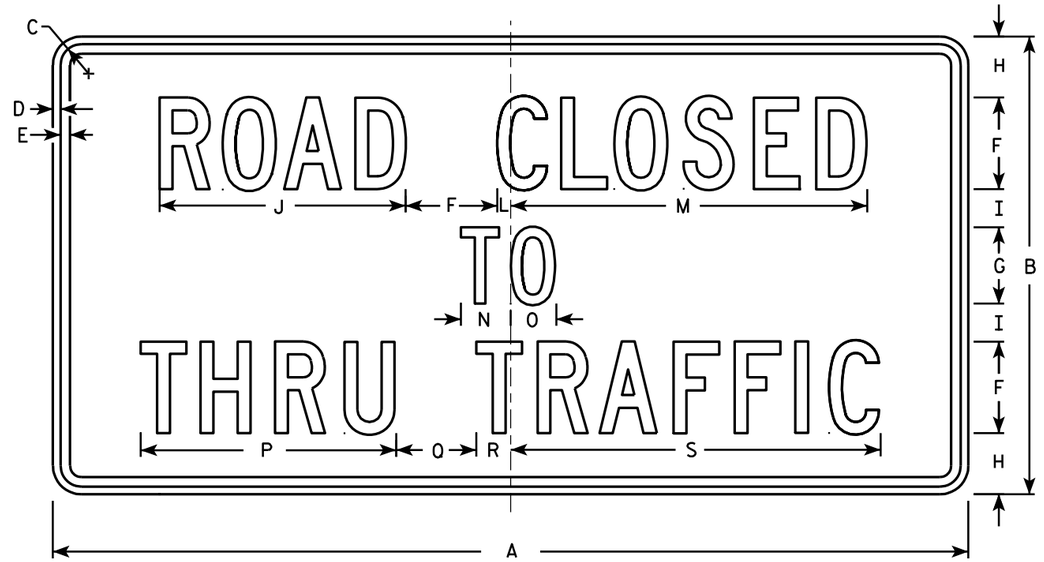
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/4	3/8	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
2S	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
2M	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
3																											
4																											
5																											

STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 6/14/2021 PLATE NO. R11-3.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 733	E



R11-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

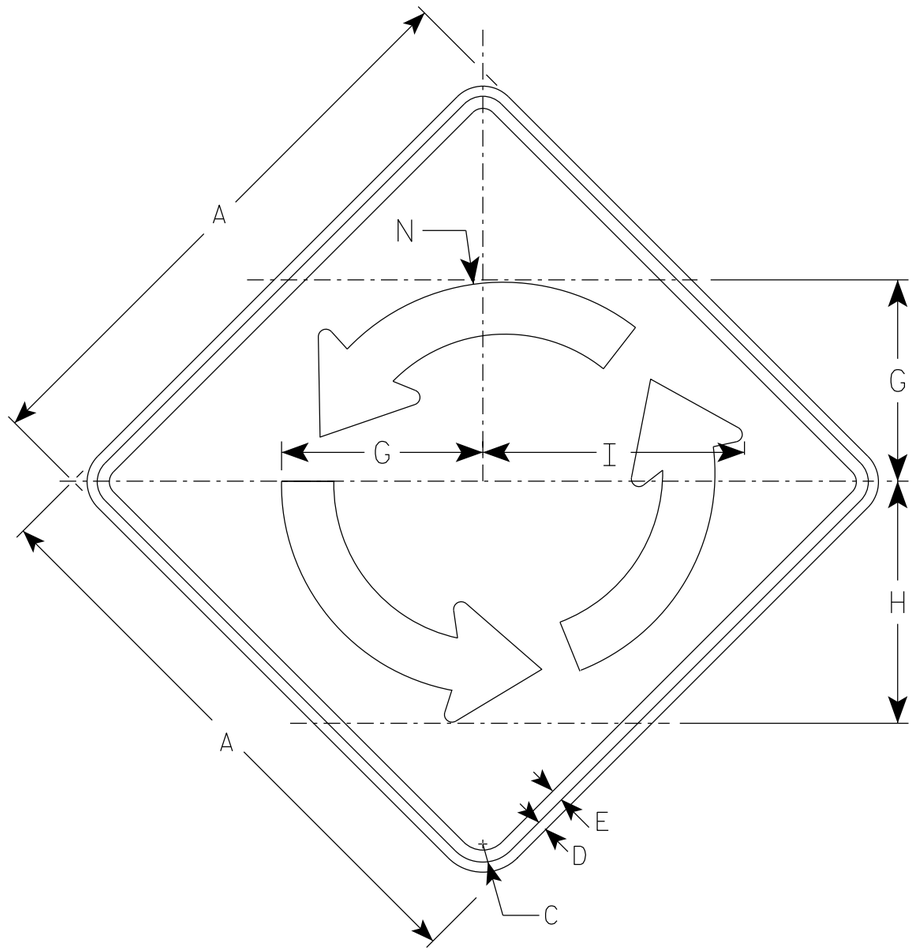
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 734 | E

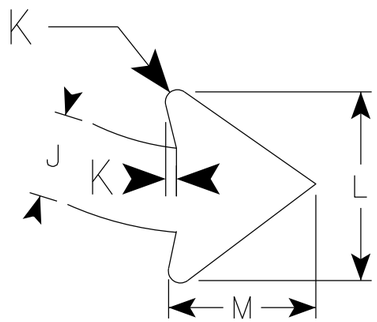


W2-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

Arrow Detail



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Area sq. ft.
1																									
2S	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
2M	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
3	36		1 5/8	5/8	3/4		12 1/2	15	16 1/4	3 1/4	1/2	7 3/8	5 3/4	13 3/8											9.00
4	48		2 1/4	3/4	1		16 5/8	20	16 1/4	4 3/8	5/8	9 3/4	7 5/8	17 7/8											16.0
5																									

STANDARD SIGN
W2-6

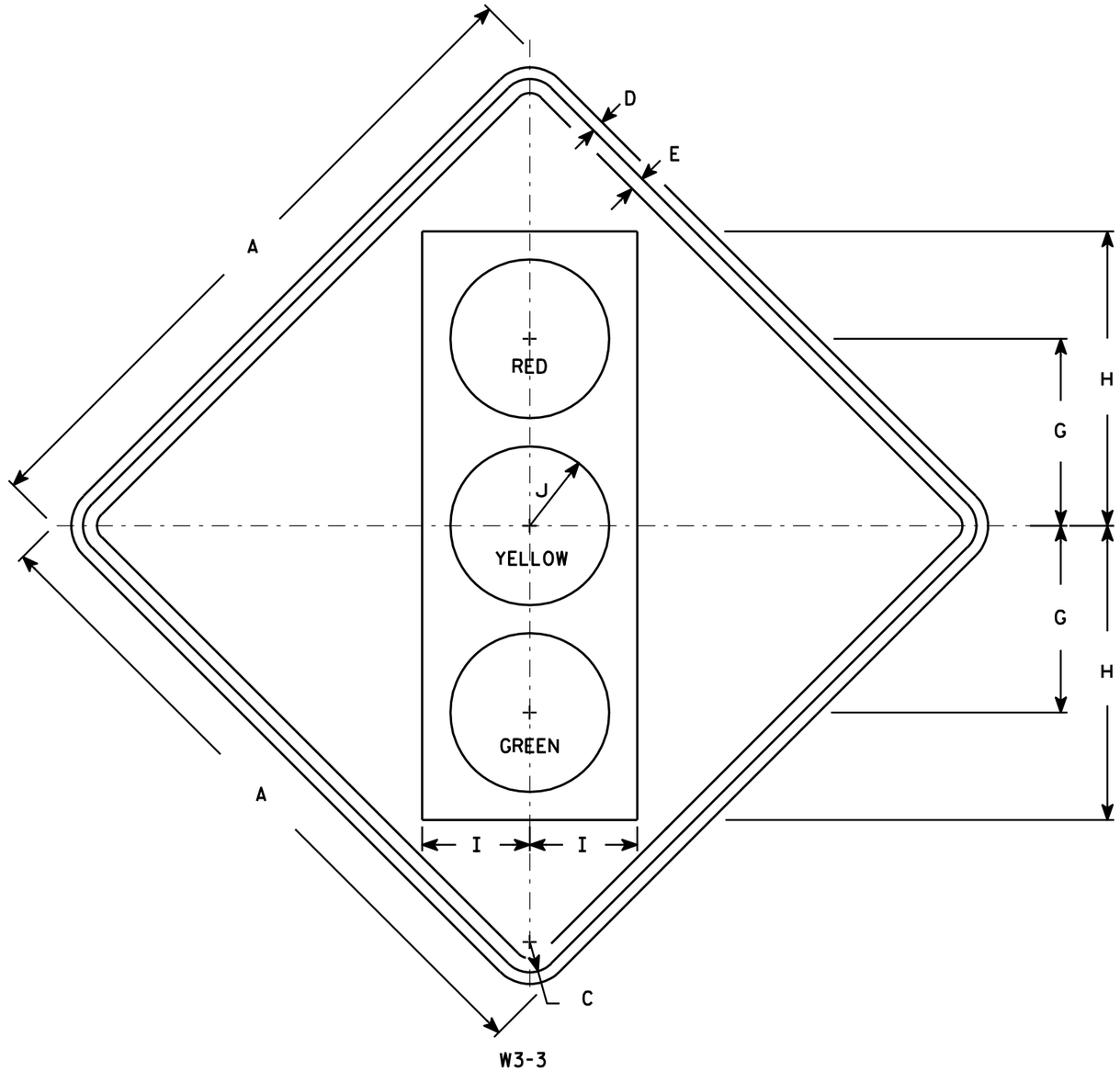
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/21 PLATE NO. W2-6.7

PROJECT NO:

SHEET NO: 735 E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0

STANDARD SIGN
W3-3

WISCONSIN DEPT OF TRANSPORTATION

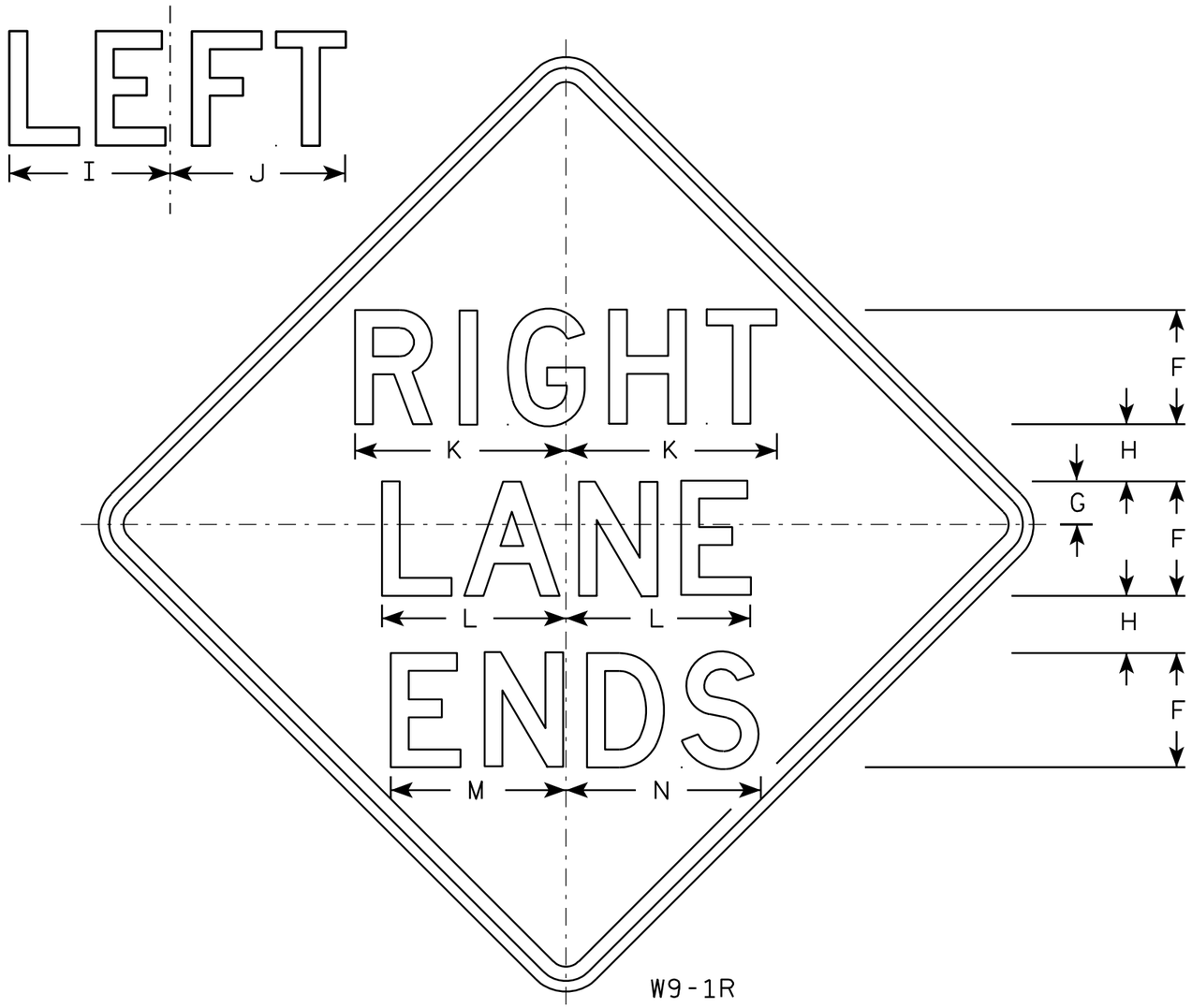
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 736 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W33.DGN PLOT DATE : 07-JUN-2010 13:07 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 7.448805:1.000000
WISDOT/CADDS SHEET 42



W9-1R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. W9-1L same as W9-1R except the word Left replaces Right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	5	1 1/2	2 1/2	7 1/8	7 5/8	9 1/4	8 1/8	7 5/8	8 5/8													6.25
2S	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
2M	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
3	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
4	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
5	48		2 1/4	3/4	1	8	3	4	11 1/4	12 1/4	14 3/4	12 7/8	12 1/4	13 5/8													16.0

STANDARD SIGN
W9-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/18/13 PLATE NO. W9-1.8

PROJECT NO:

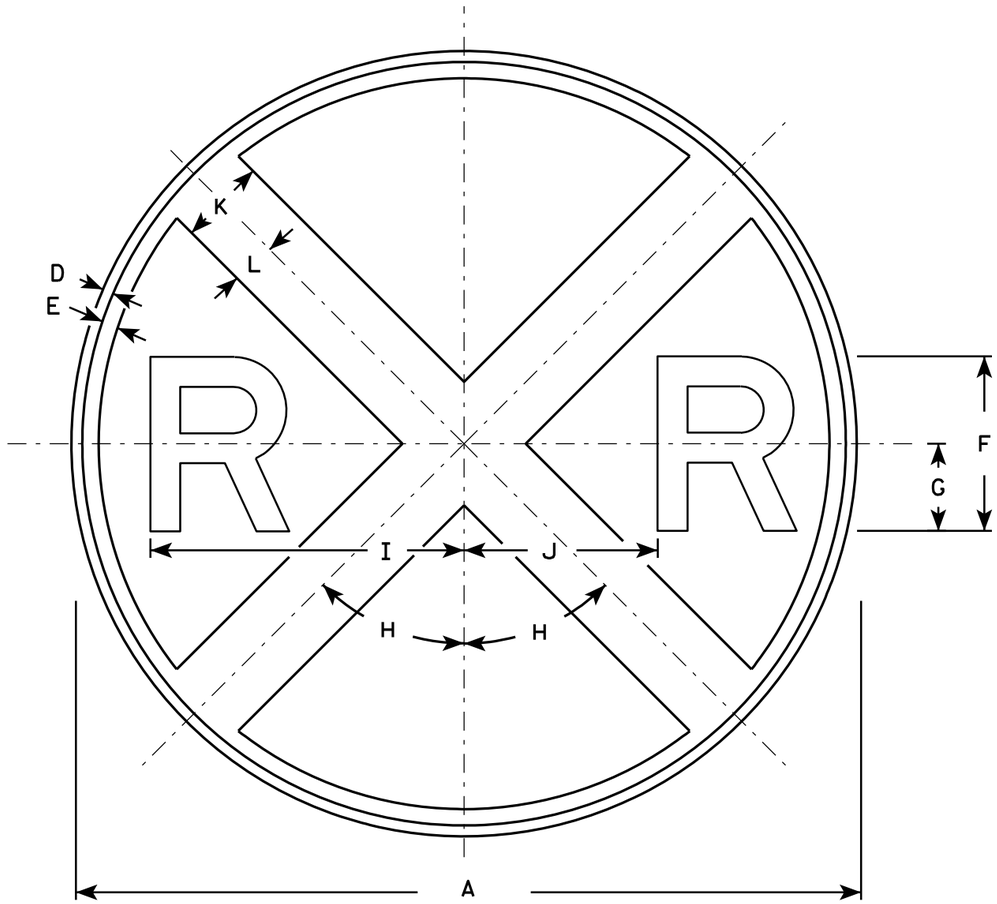
SHEET NO: 737 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W91.DGN PLOT DATE : 18-MAR-2013 11:42 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

7

7



W10-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30			3/8	5/8	7	3 1/2	45°	12 3/8	7 1/8	3	1 1/2															4.91
2S	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
2M	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
3																											
4	48			3/4	1 1/4	10	5	45°	18 3/8	11 5/8	5	2 1/2															12.57
5																											

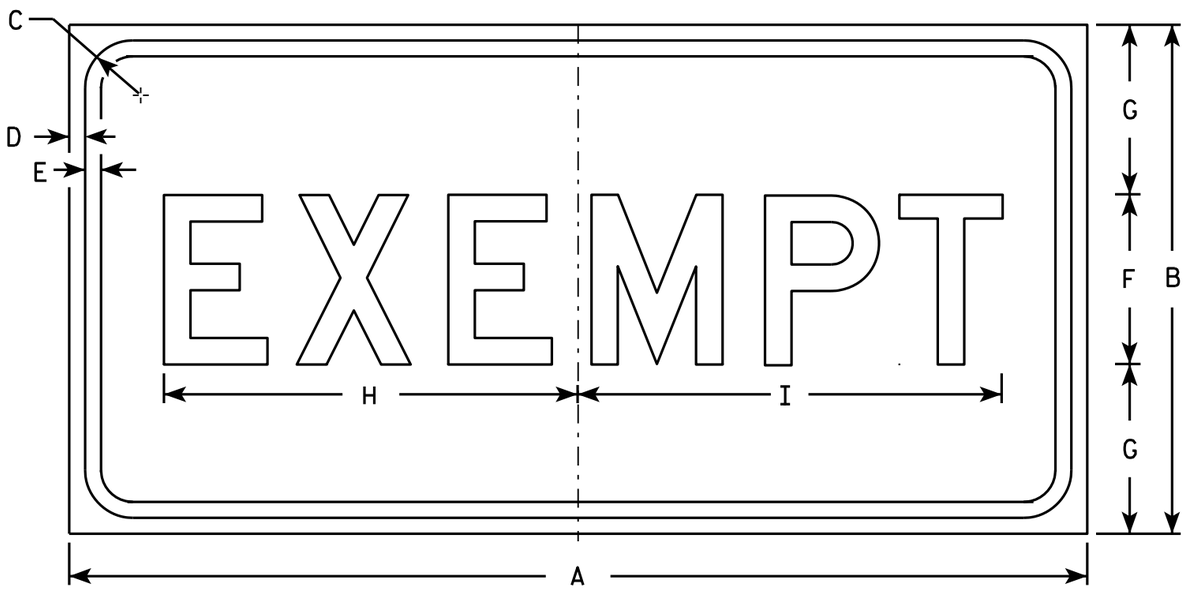
STANDARD SIGN
W10-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/13/13 PLATE NO. W10-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 738	E



R15-3
and
W10-1A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See Note 5
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Background - R15-3 is White Type H Reflective
   W10-1A is Yellow.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	4	4	9 3/4	10																		2
2M	24	12	1 1/8	3/8	3/8	4	4	9 3/4	10																		2
3																											
4																											
5																											

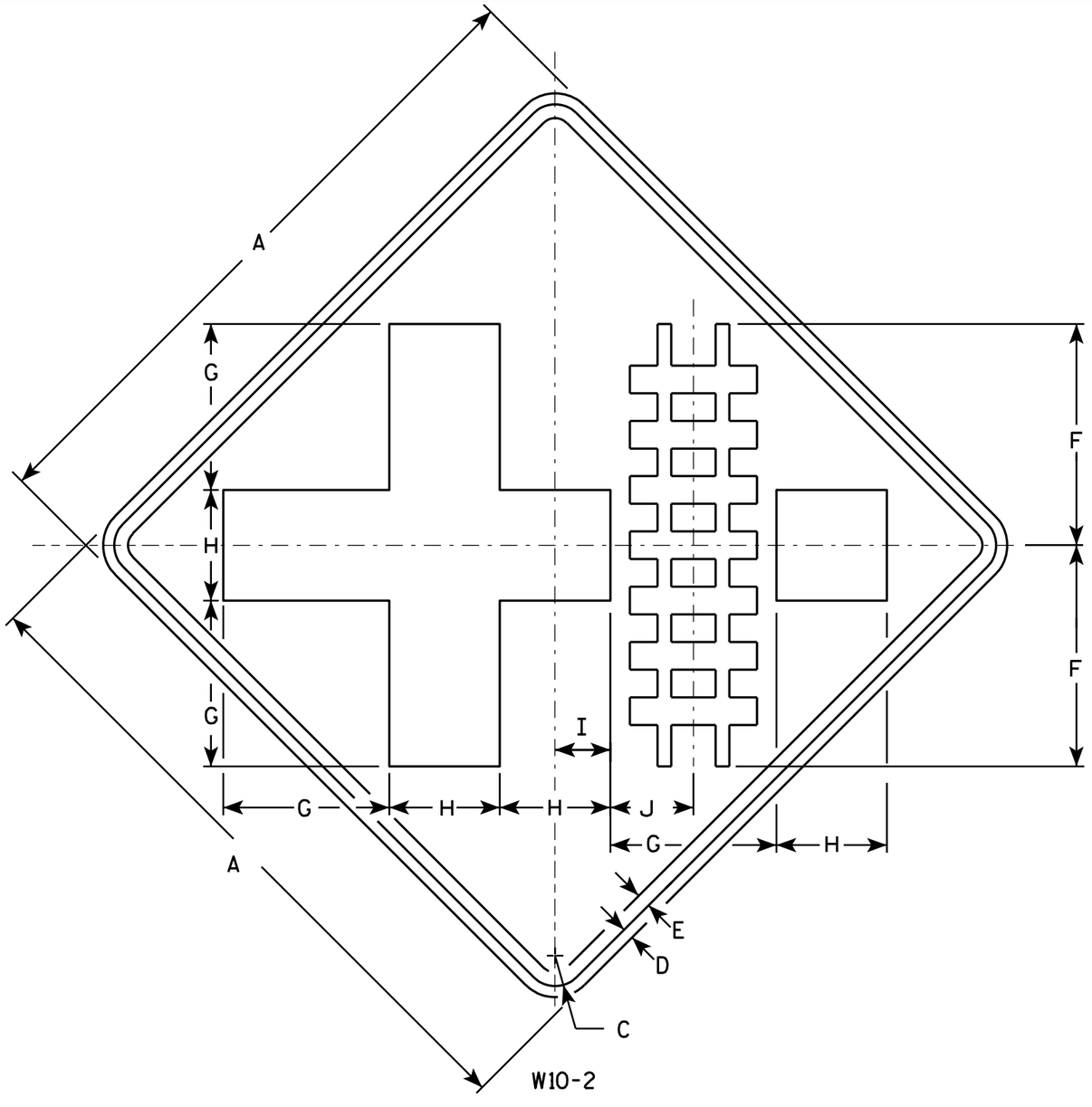
STANDARD SIGN
R15-3 & W10-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

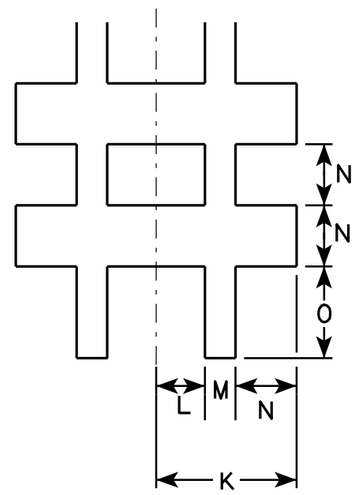
DATE 3/13/13 PLATE NO. R15-3.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 739	E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	10	7 1/2	5	2 1/2	3 3/4	2 7/8	1	5/8	1 1/4	1 7/8												6.25
2S	36		1 5/8	5/8	3/4	12	9	6	3	4 1/2	3 3/8	1 1/8	3/4	1 1/2	2 1/4												9.0
2M	36		1 5/8	5/8	3/4	12	9	6	3	4 1/2	3 3/8	1 1/8	3/4	1 1/2	2 1/4												9.0
3	36		1 5/8	5/8	3/4	12	9	6	3	4 1/2	3 3/8	1 1/8	3/4	1 1/2	2 1/4												9.0
4	48		2 1/4	3/4	1	16	12	8	4	6	4 1/2	1 1/2	1	2	3												16.0
5																											

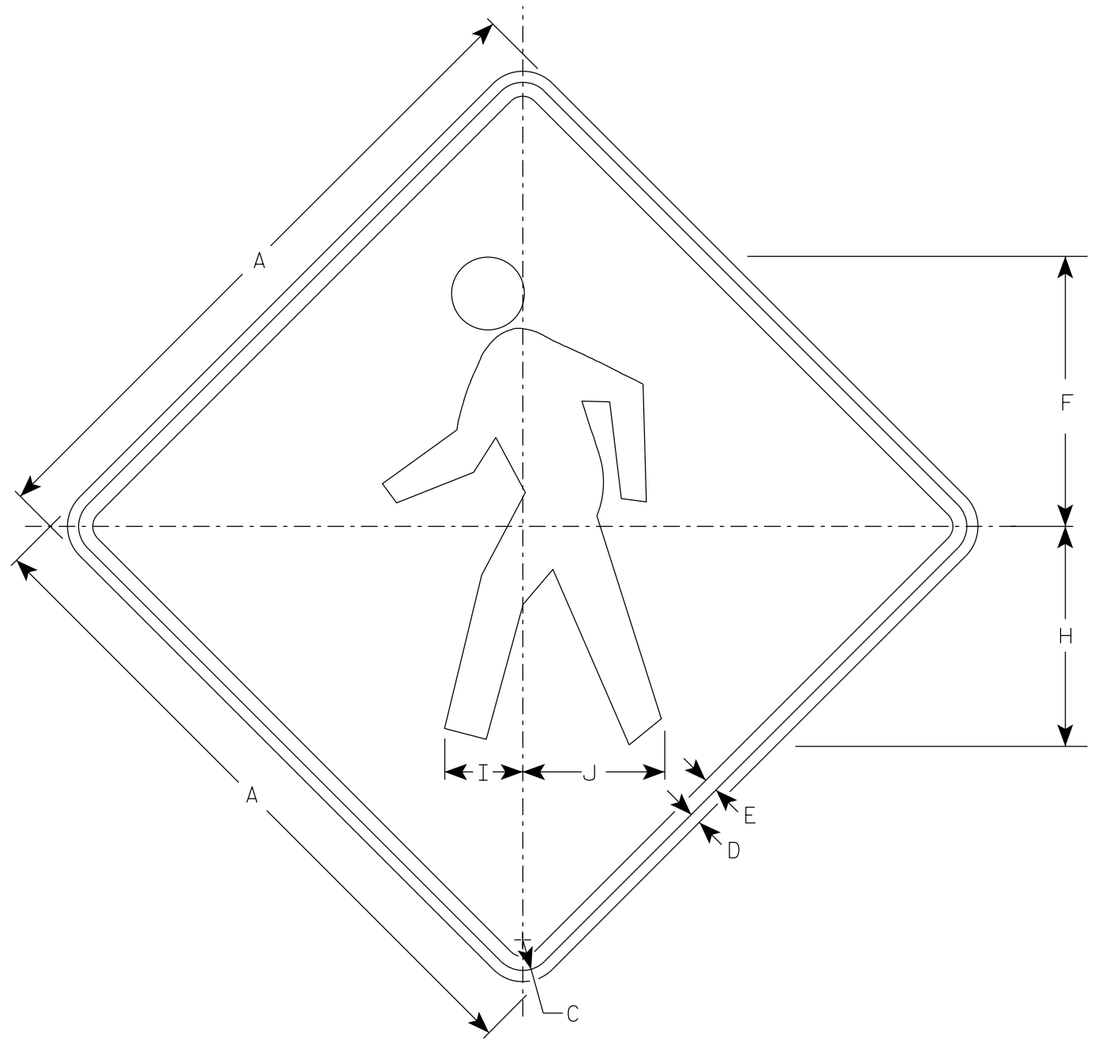
STANDARD SIGN
W10-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W10-2.8

PROJECT NO: | HWY: | COUNTY: | | SHEET NO: 740 | E



W11-2

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

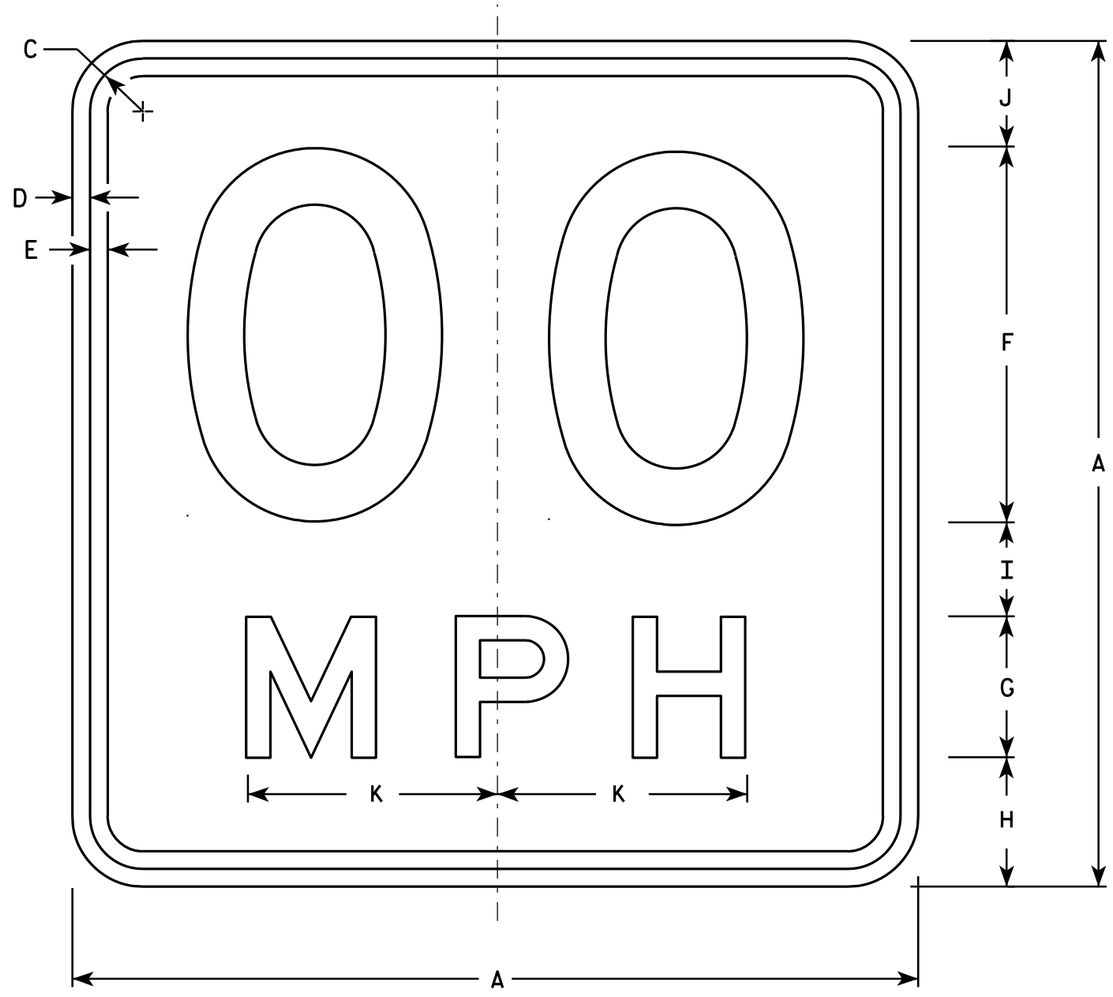
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/8/2020 PLATE NO. W11-2.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 741	E



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

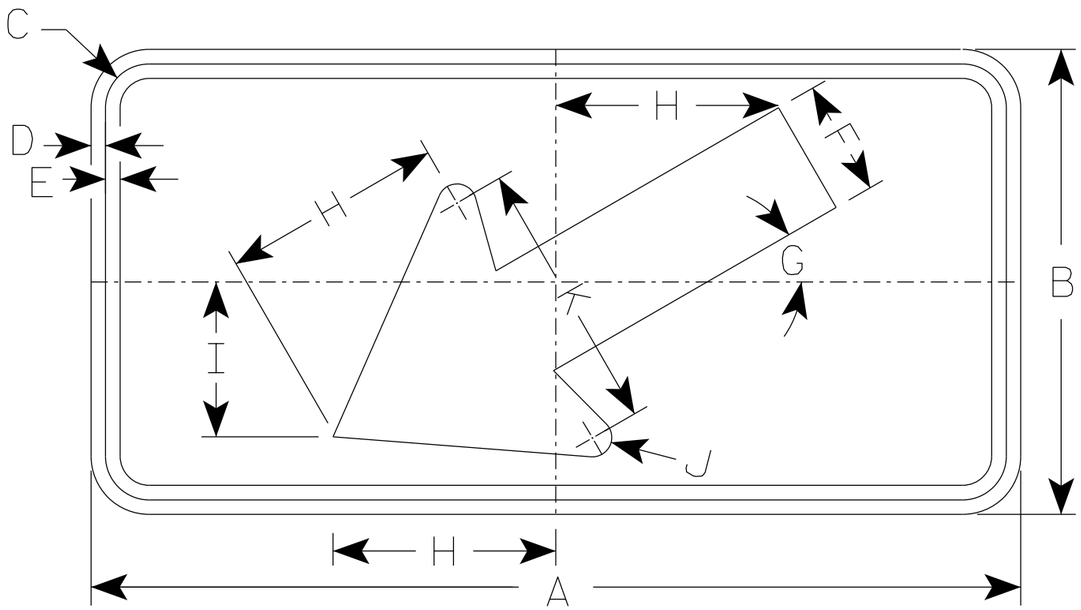
STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 742 | E



W16-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W16-7R is the same as W16-7L except the arrow is reversed along the vertical centerline.

* For 36" x 36" Warning Signs, use 30" x 18" W16-7L signs.
* For 48" x 48" Warning Signs, use 48" x 24" W16-7L signs.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	3	30°	5 3/4	4	1/2	7																2.0
* 2M	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
* 3	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
* 4	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
5																											

STANDARD SIGN
W16-7

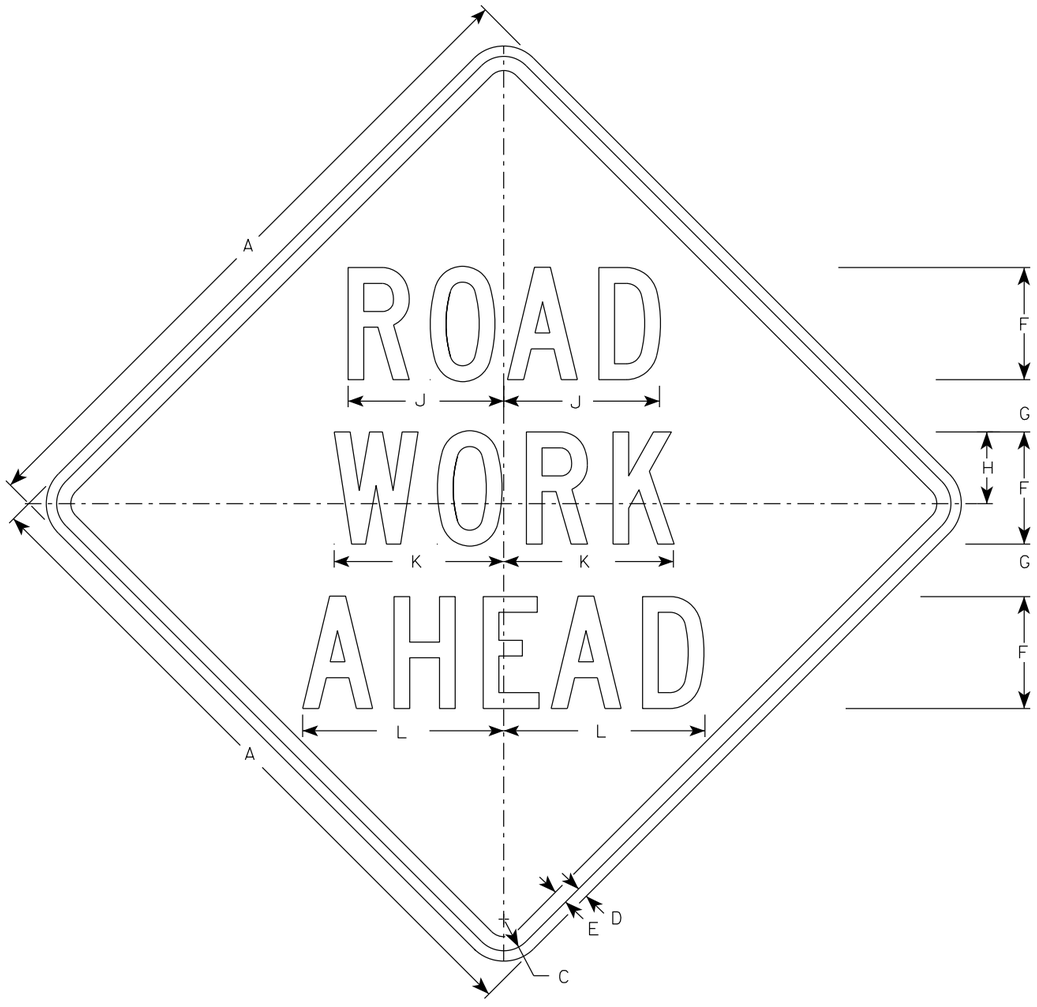
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

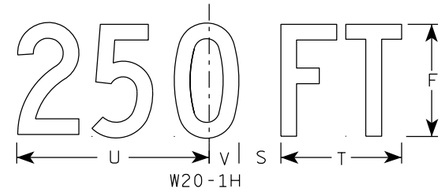
DATE 3/16/2021 PLATE NO. W16-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 743	E

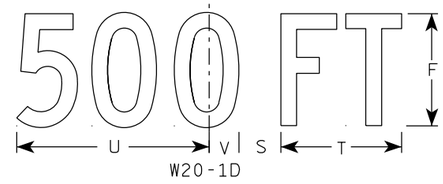
7



W20-1A

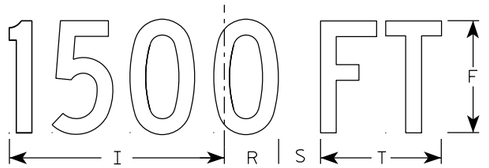


W20-1H

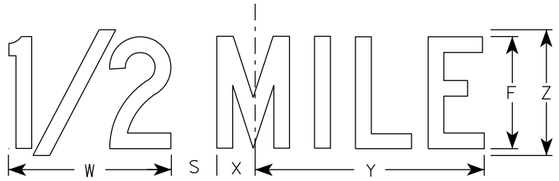


W20-1D

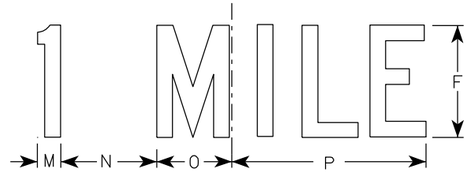
W20-1C



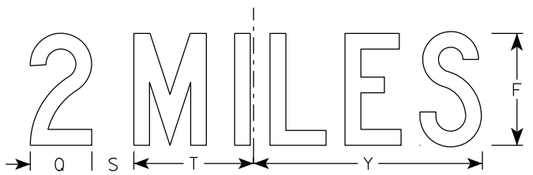
W20-1B



W20-1G



W20-1F



W20-1E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/25/2020 PLATE NO. W20-1.11

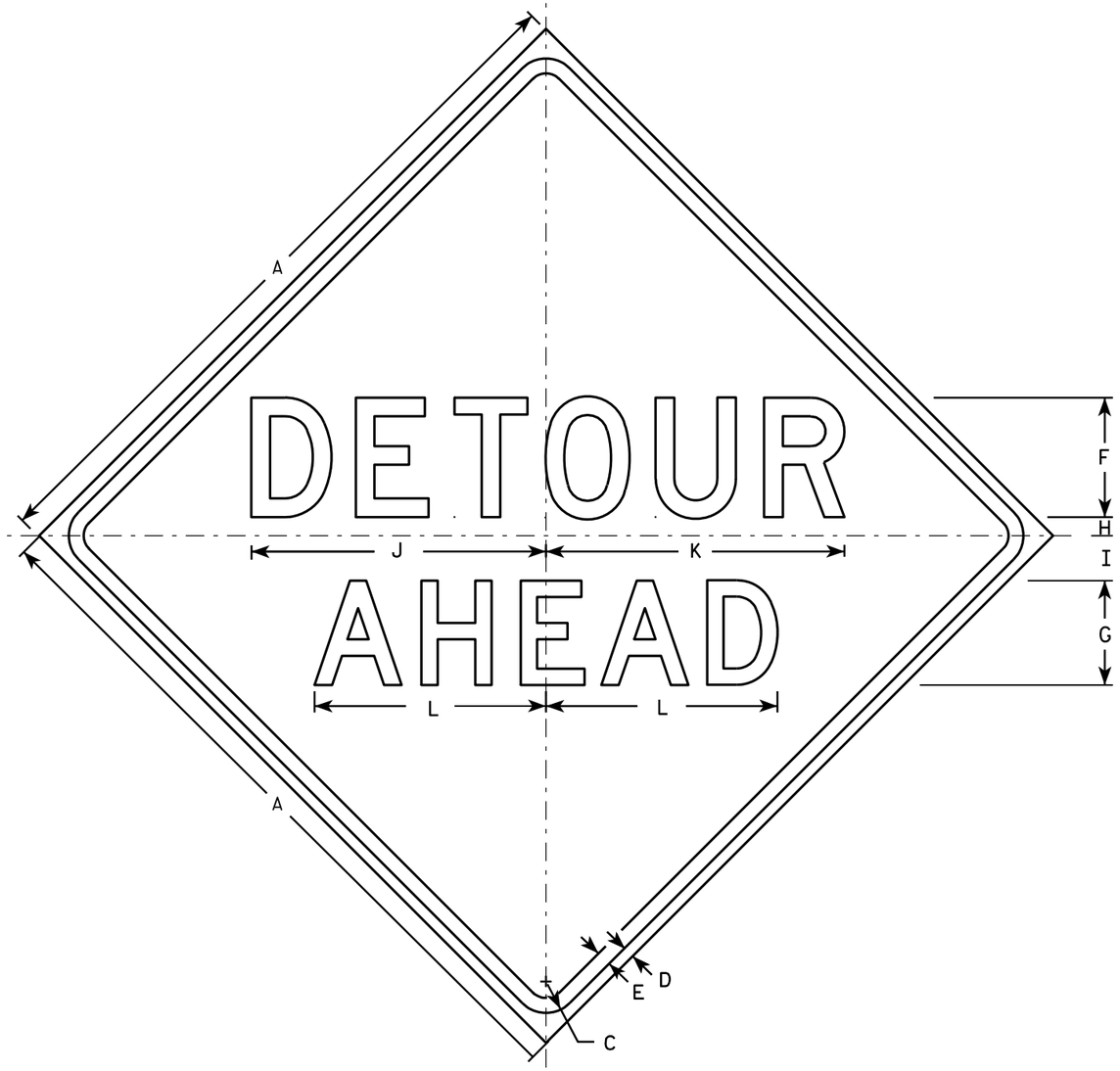
PROJECT NO:

SHEET NO: E

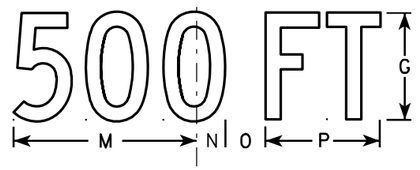
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

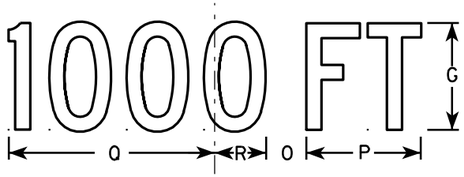
7



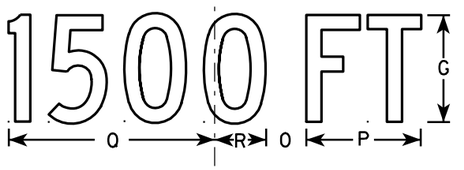
W20-2A



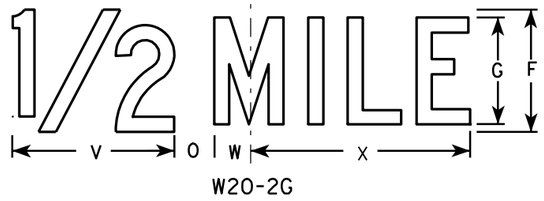
W20-2D



W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

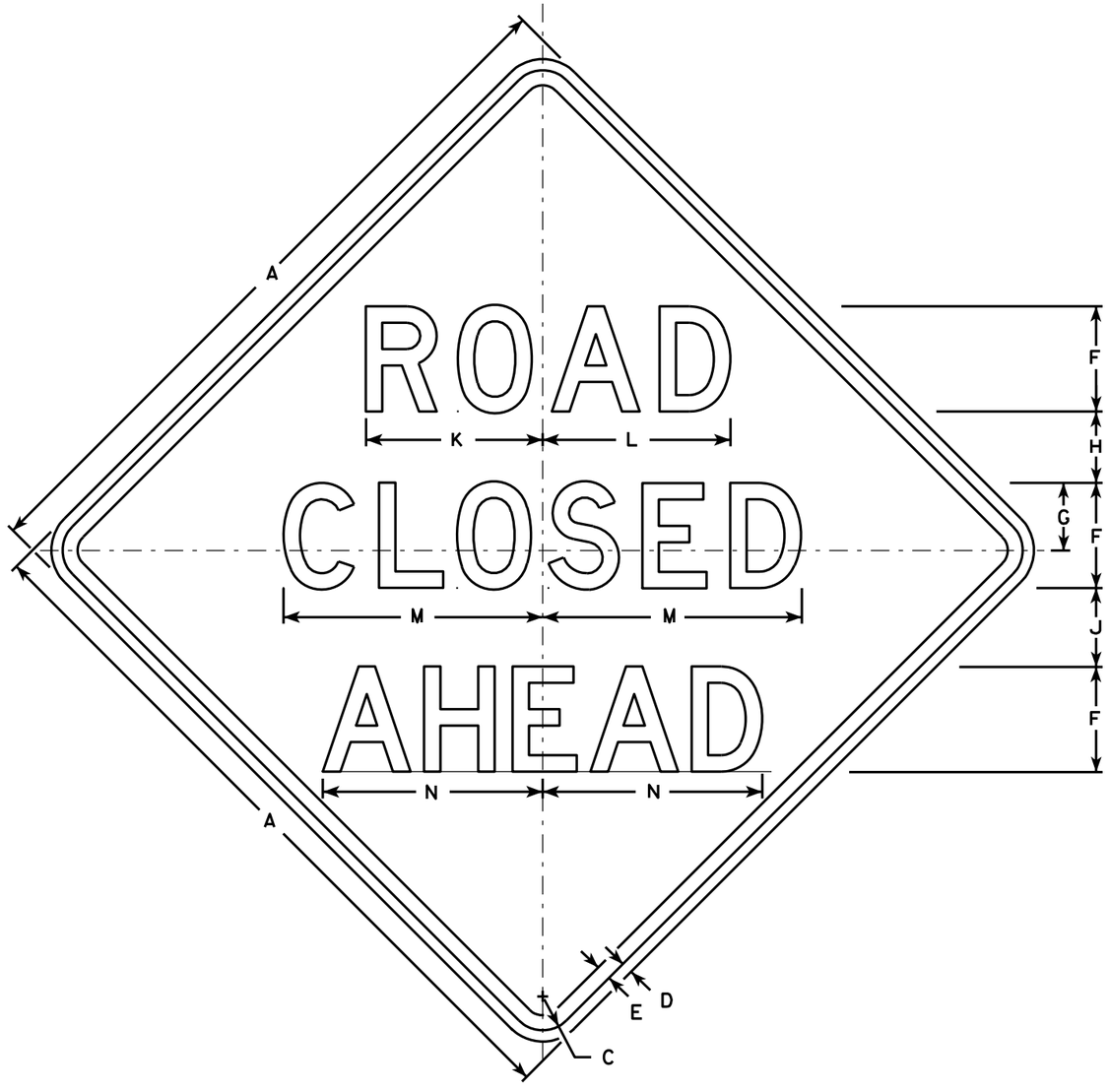
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

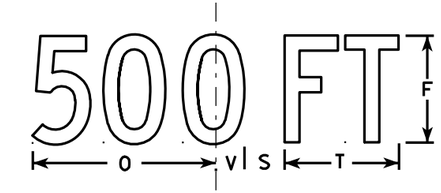
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

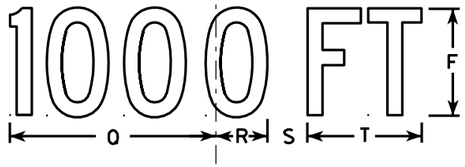
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 745 | E



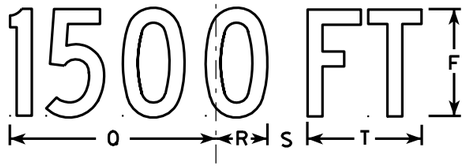
W20-3A



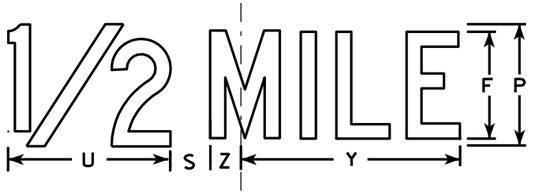
W20-3D



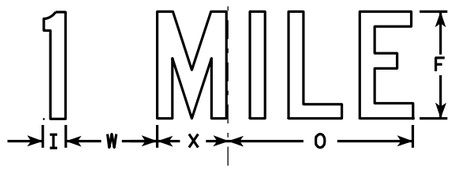
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 746 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000

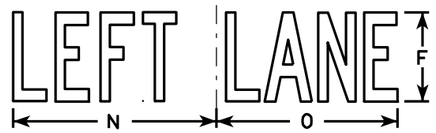
WISDOT/CADDS SHEET 42

7

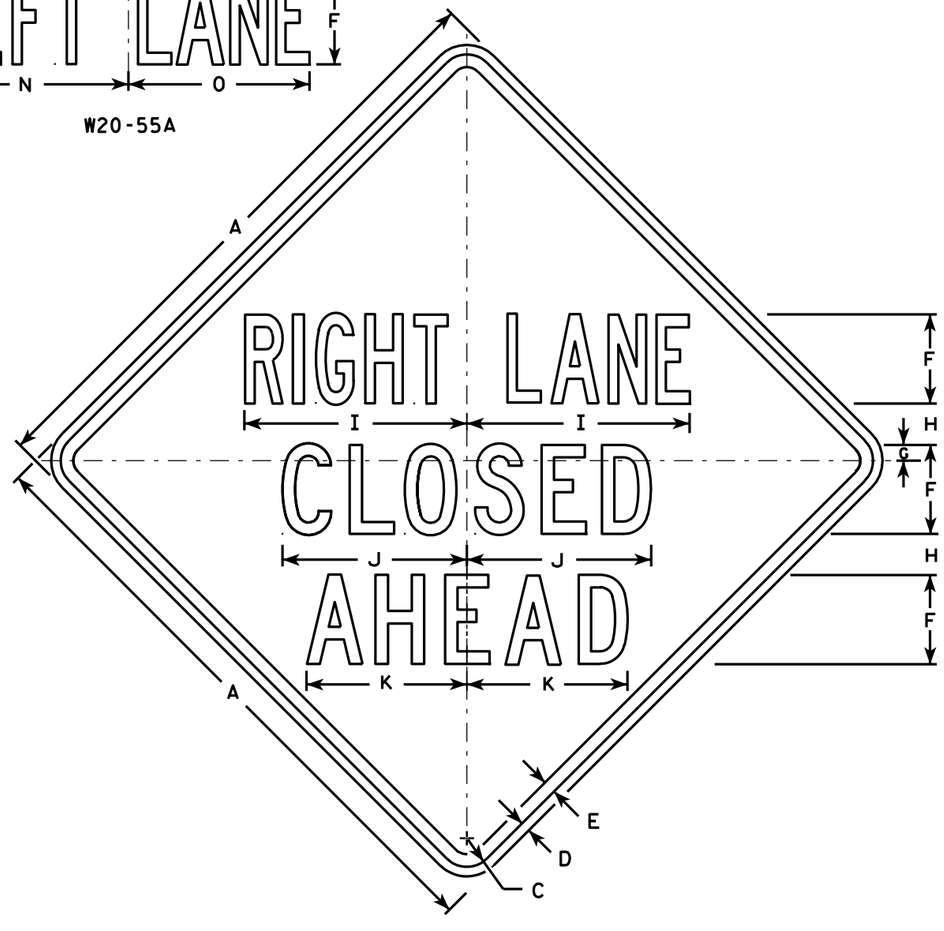
7



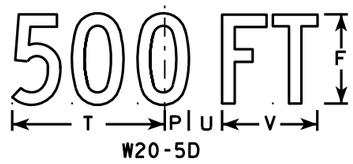
W20-56A



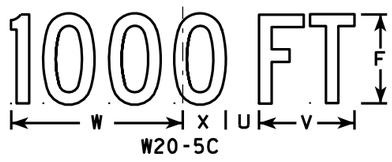
W20-55A



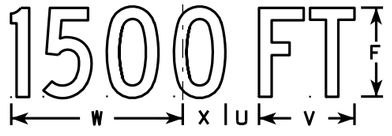
W20-5A



W20-5D



W20-5C



W20-5B



W20-5G



W20-5F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	1 5/8	5/8	3/4	5	1/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

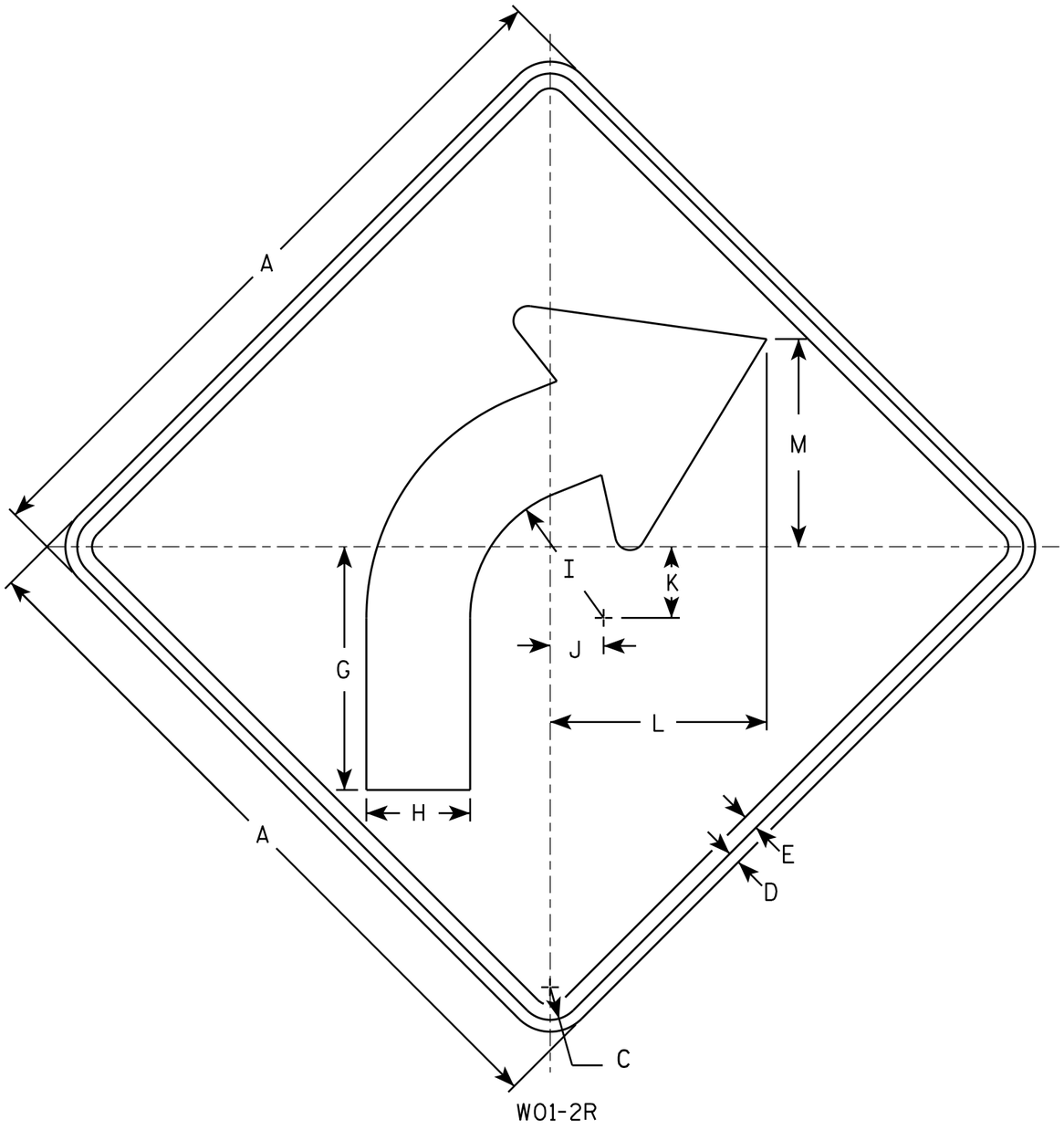
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 747 | E

7

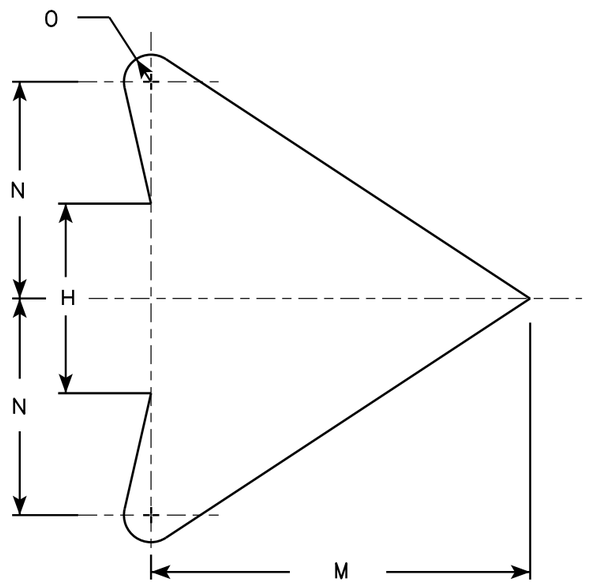
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42



W01-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-2L is the same as W01-2R except the arrow is reversed along the vertical centerline.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												4.0
2S	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
2M	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
3	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
4	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

STANDARD SIGN
W01-2

WISCONSIN DEPT OF TRANSPORTATION

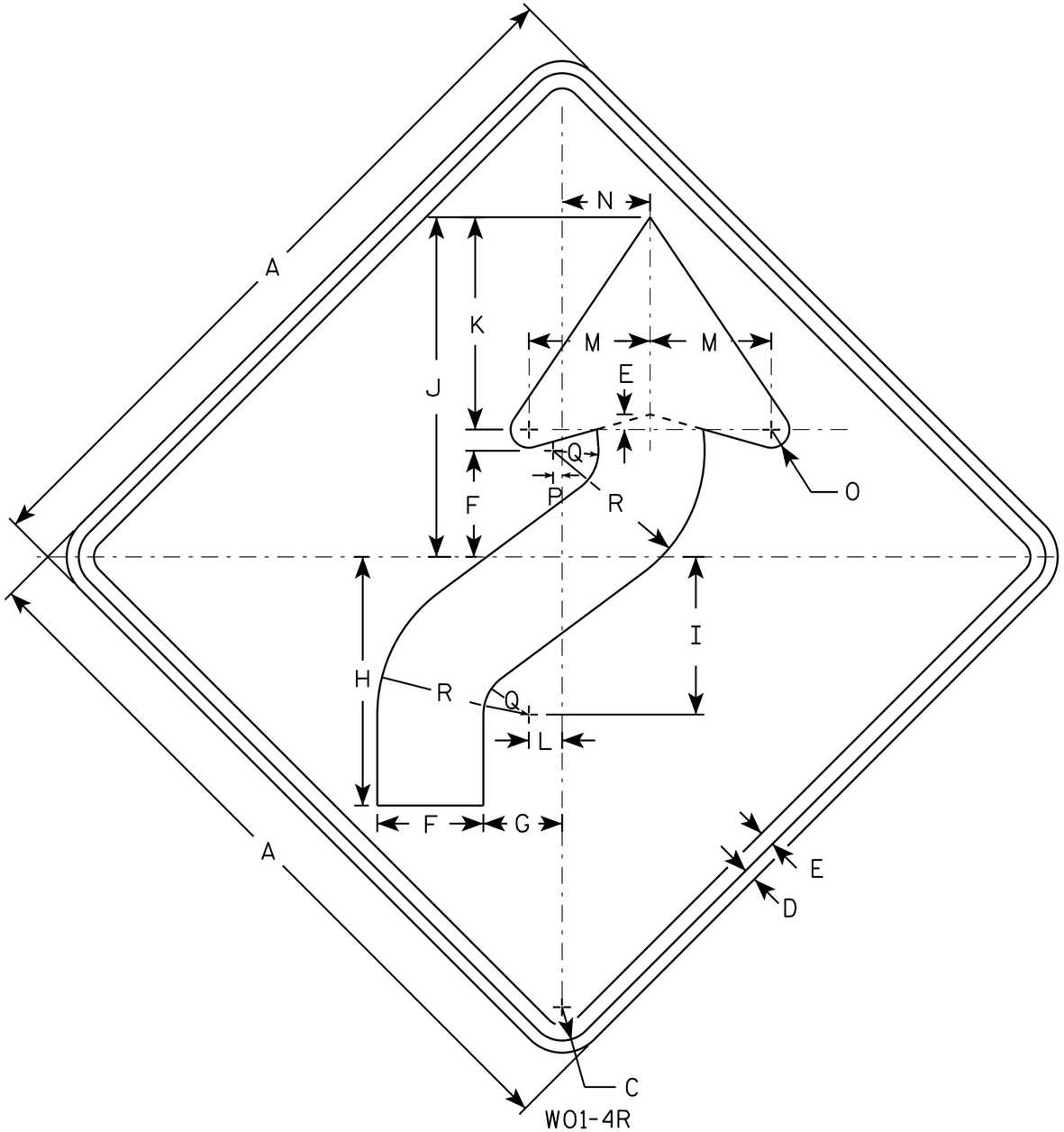
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-1.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

7

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W012.DGN PLOT DATE : 28-FEB-2014 11:34 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.992871:1.000000 WISDOT/CADDS SHEET 42



W01-4R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN
W01-4

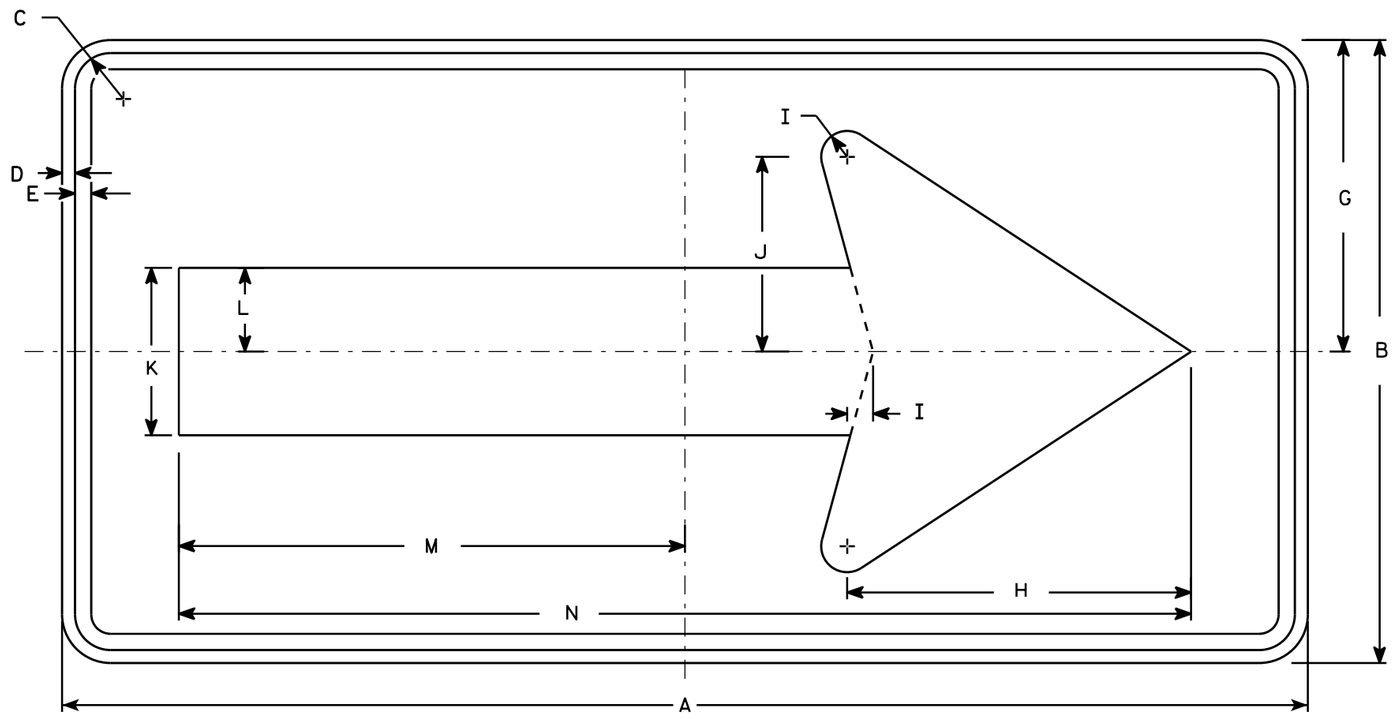
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-4.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.755110:1.000000
WISDOT/CADDS SHEET 42



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

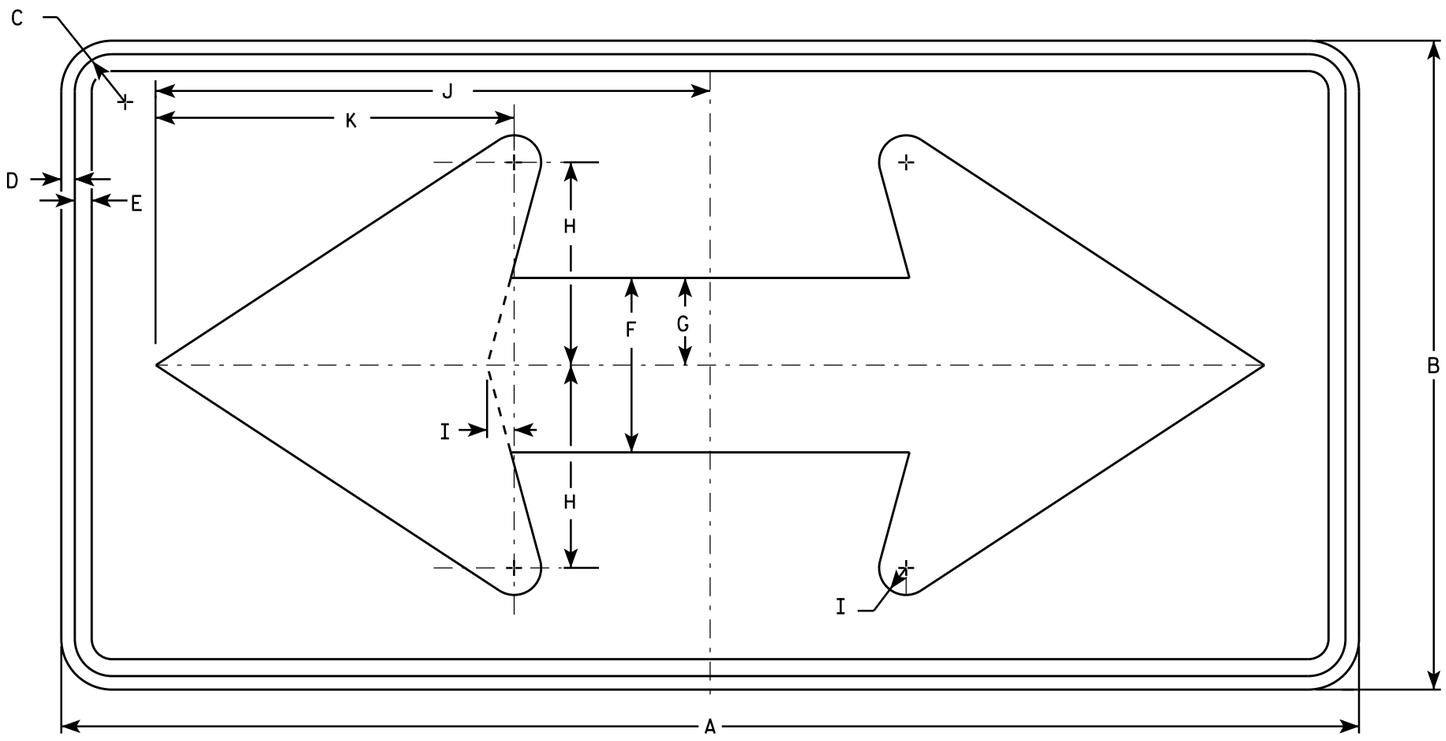
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-6.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



W01-7

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5

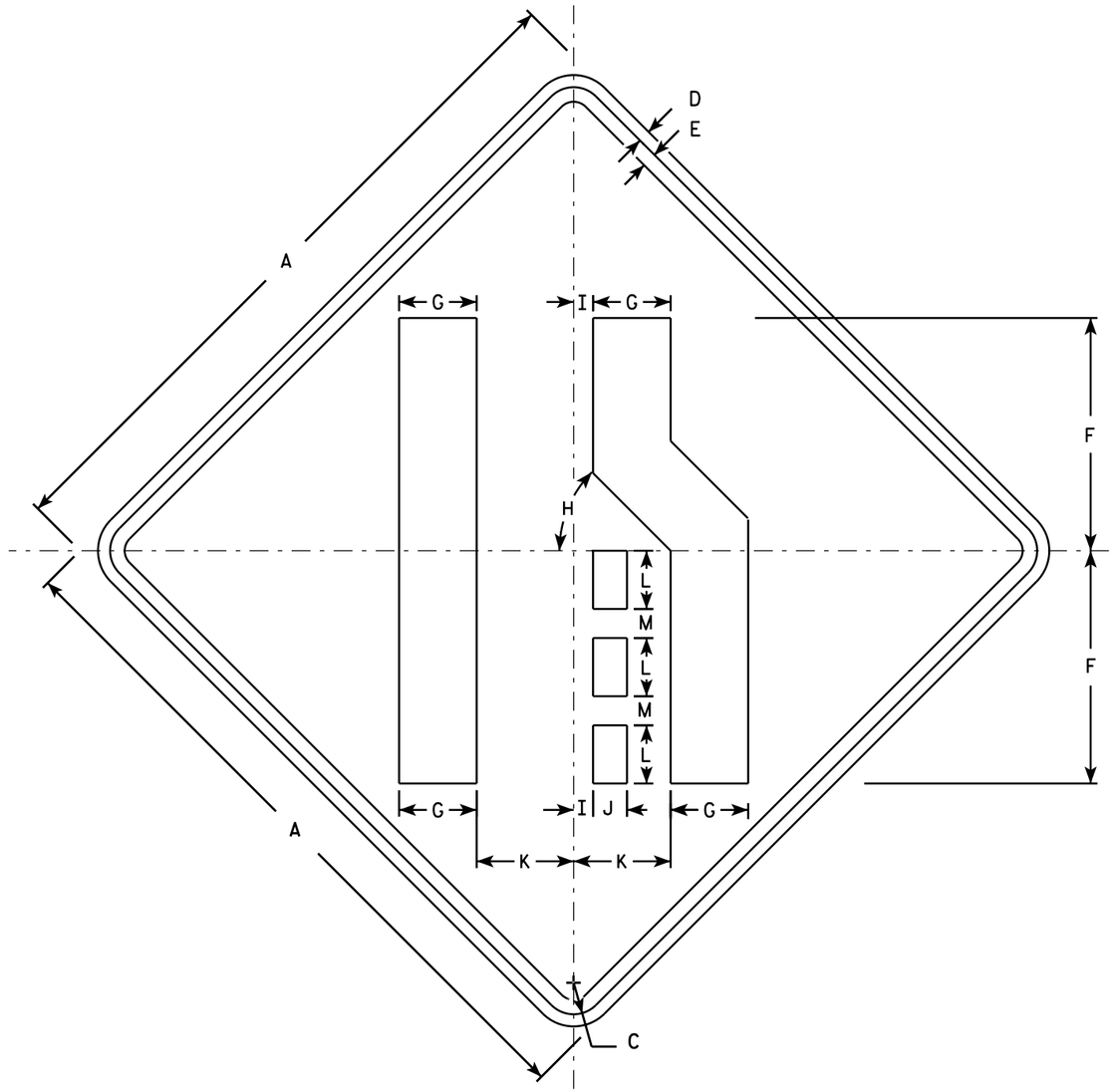
STANDARD SIGN
W01-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE 1751 W01-7.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



W04-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

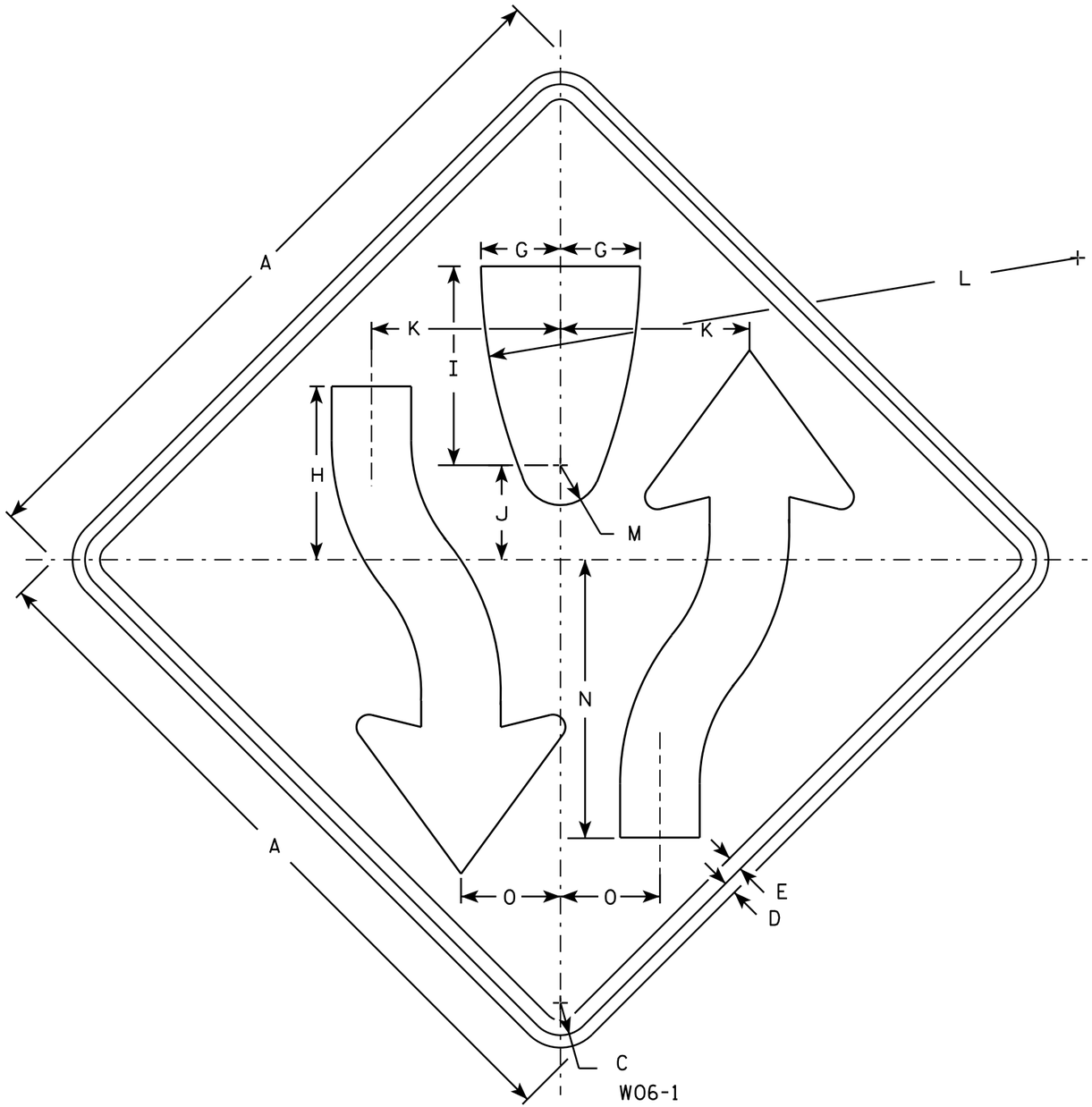
STANDARD SIGN
W04-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 752 W04-2.1

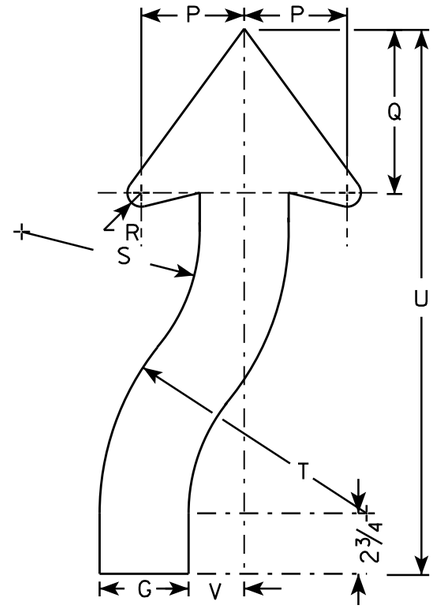
PROJECT NO: | SHEET NO: E



W06-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W06-2 same as W06-1 but is rotated 180° when mounted.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
2S	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
2M	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
3	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
4	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
5	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0

STANDARD SIGN
W06-1 & W06-2

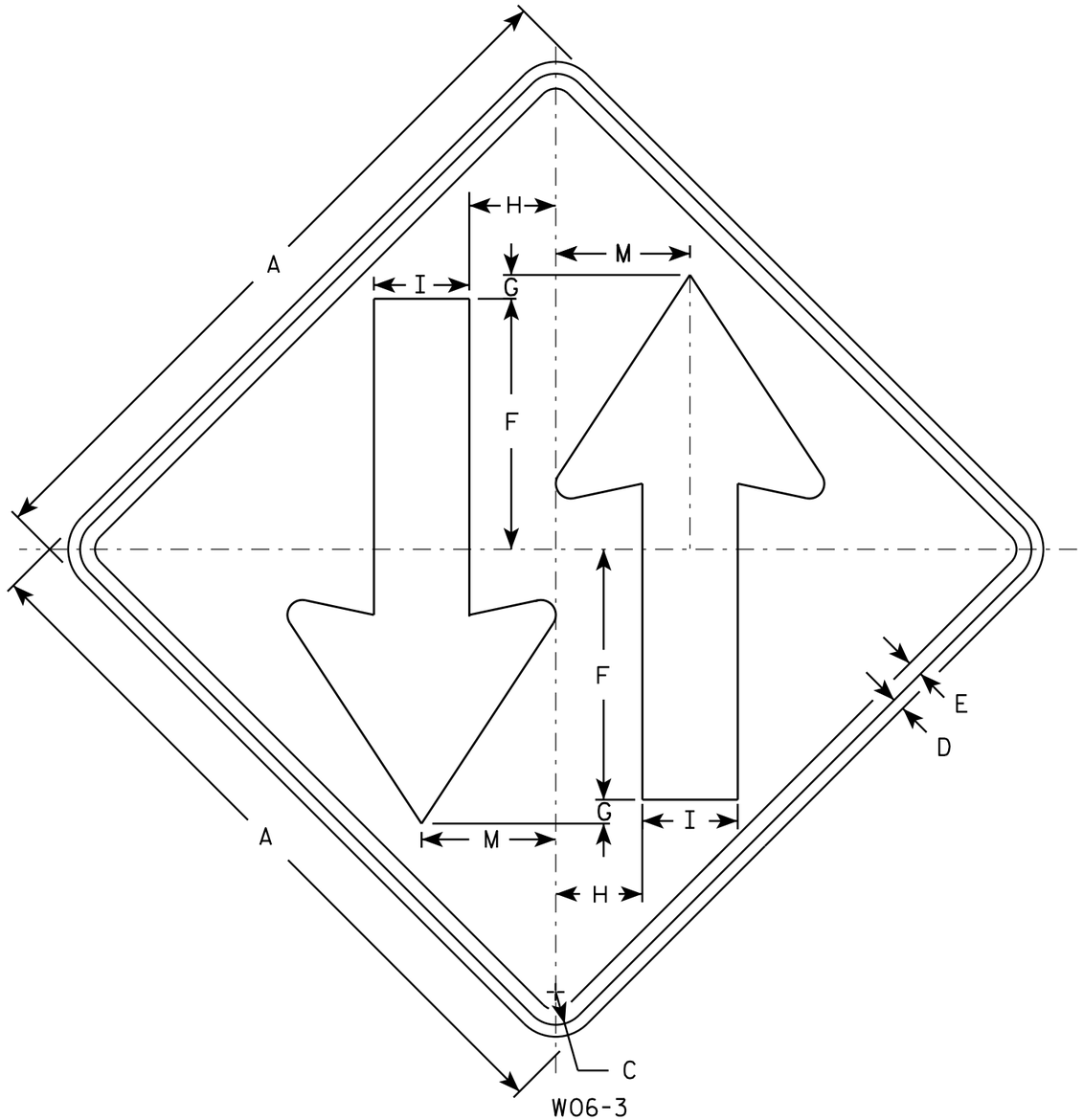
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE NO W06-1.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

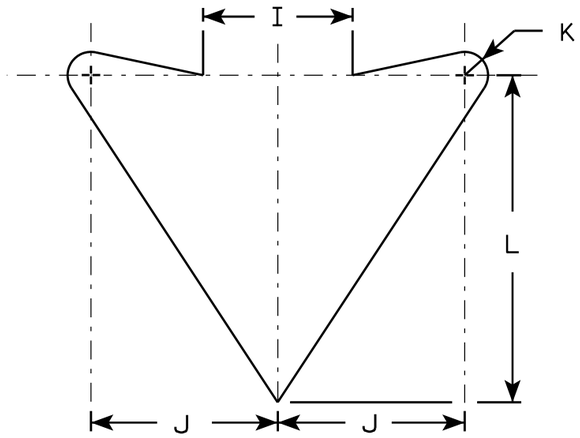
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W061.DGN PLOT DATE : 20-NOV-2013 12:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.810449:1.000000
WISDOT/CADDS SHEET 42



W06-3

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	1	4 1/4	5	6	3/4	10 1/2	6 3/4														9.0
2S	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
2M	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
3	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
4	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
5	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0

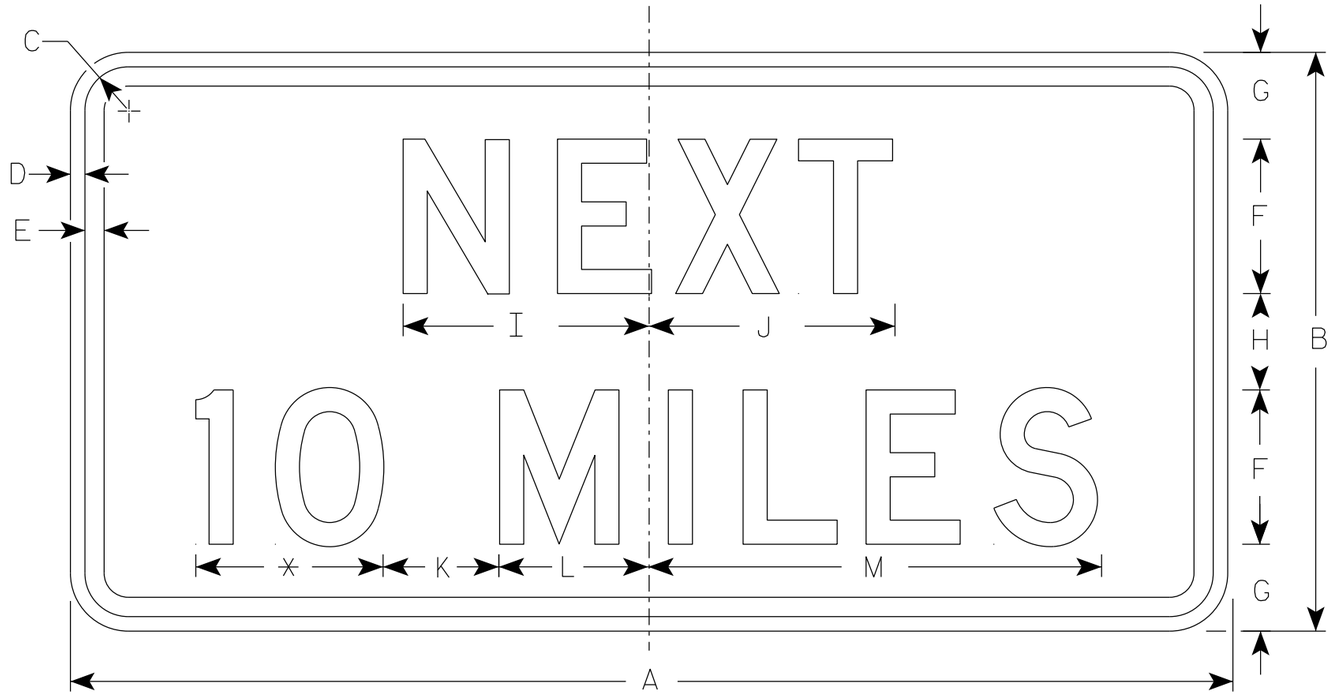
STANDARD SIGN
W06-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 754 W06-3.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W057-51

* See note 5

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Round distance to the nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	1/2	5	2 3/4	2 1/2	7 7/8	8	5	4 1/8	15 3/8														4.5
2S	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
2M	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
3	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
4	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
5	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0

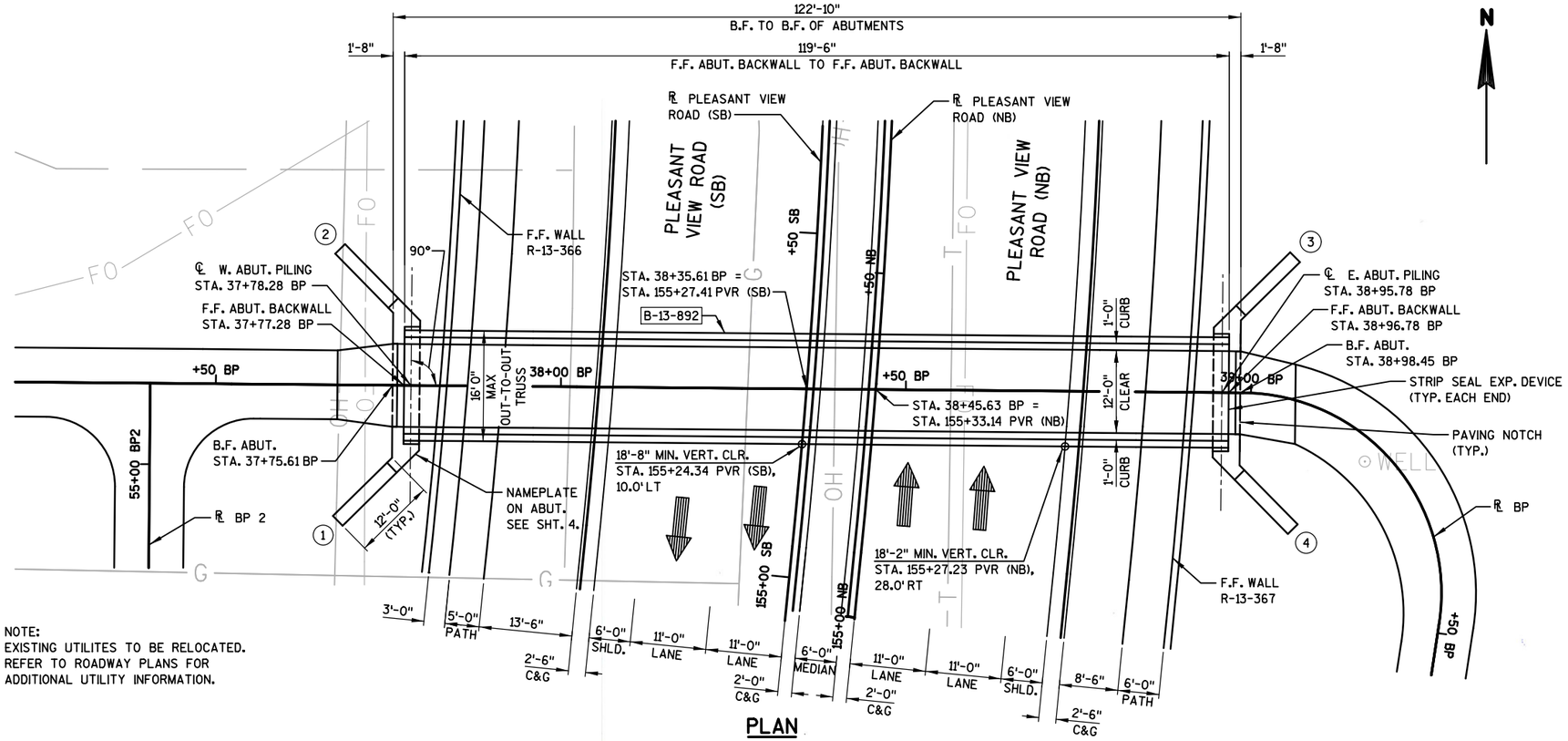
STANDARD SIGN
W057-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/1/19 PLATE NO. W057-51.3

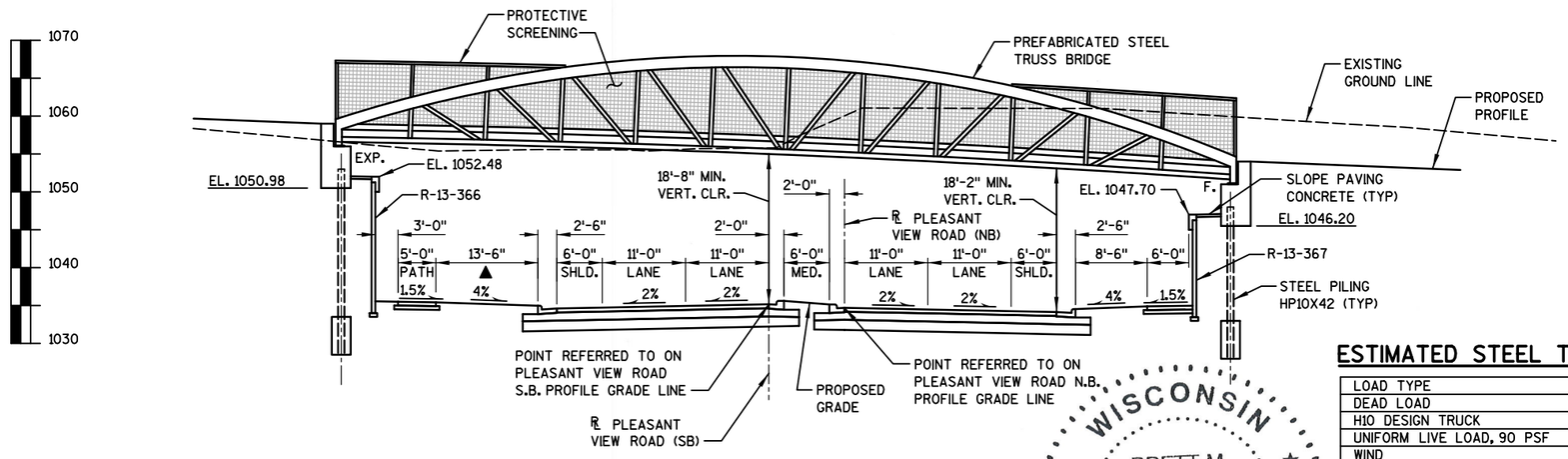
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 755	E



NOTE:
EXISTING UTILITES TO BE RELOCATED.
REFER TO ROADWAY PLANS FOR
ADDITIONAL UTILITY INFORMATION.

PLAN

(SINGLE SPAN PREFABRICATED STEEL TRUSS)



ELEVATION

(LOOKING NORTH NORMAL TO ROADWAY)

ESTIMATED STEEL TRUSS BRIDGE REACTIONS

LOAD TYPE	P (LBS)	H (LBS)	L (LBS)
DEAD LOAD	58,100	---	---
H10 DESIGN TRUCK	12,500	---	---
UNIFORM LIVE LOAD, 90 PSF	32,300	---	---
WIND	-24,100/	22,600	6,800
WINDWARD/LEEWARD	8,900		
THERMAL	---	---	10,500

P = VERTICAL LOAD AT EACH BASE PLATE (4 PER BRIDGE).
H = HORIZONTAL LOAD AT EACH SPAN END (2 PER BRIDGE).
L = LONGITUDINAL LOAD AT EACH BEARING (4 PER BRIDGE).

NOTES:
1. VALUES IN THIS TABLE ARE ESTIMATES. ACTUAL VALUES SHALL BE PROVIDED BY PREFABRICATED BRIDGE MANUFACTURER.
2. "+" INDICATES DOWNWARD LOAD.
   "-" INDICATES UPWARD LOAD.
3. ESTIMATED BRIDGE LIFTING WEIGHT = 69,400 LBS.
4. NOTIFY ENGINEER IF FINAL DESIGN REACTIONS DIFFER FROM ESTIMATED REACTIONS.

WISCONSIN
BRETT M. OFTEDAHL
E-41123
MADISON
WI
PROFESSIONAL ENGINEER
3/16/22

STATE PROJECT NUMBER
5992-11-01

DESIGN DATA

MATERIAL PROPERTIES:
CONCRETE MASONRY, SLAB ____ f'c = 4,000 PSI
CONCRETE MASONRY, ALL OTHERS ____ f'c = 3,500 PSI
HIGH STRENGTH BAR STEEL
REINFORCEMENT, GRADE 60 ____ fy = 60,000 PSI
HIGH STRENGTH STRUCTURAL STEEL
ASTM A847, ASTM A588, ASTM A606,
ASTM A242 OR ASTM A709 ____ fy = 50 KSI
STRUCTURAL CARBON STEEL ASTM A36 ____ fy = 36 KSI

LIVE LOAD:

90 PSF PEDESTRIAN LOAD
20,000 LB VEHICLE LOAD (H-10)

WIND LOAD:

WIND LOADS PER AASHTO LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES.

FOUNDATION DATA:

ABUTMENTS TO BE SUPPORTED ON HP10x42 STEEL PILING SEATED IN PREBORED HOLES CORED 3 FEET MINIMUM INTO SOUND BEDROCK. PILE DRIVING IS NOT REQUIRED. THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS 180 TONS MULTIPLIED BY A RESISTANCE FACTOR OF 0.5. ESTIMATED 23'LONG AT WEST ABUTMENT AND 19'LONG AT EAST ABUTMENT.

TRAFFIC DATA:

PLEASANT VIEW ROAD
AADT: 13,550 (2018)
AADT: 16,450 (2038)
DESIGN SPEED: 40 MPH

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION, GENERAL NOTES & DETAILS
3. SUBSURFACE EXPLORATION
4. WEST ABUTMENT
5. WEST ABUTMENT DETAILS
6. EAST ABUTMENT
7. EAST ABUTMENT DETAILS
8. EXPANSION DEVICES
9. ARCH AND PROTECTIVE SCREENING DETAILS
10. RAILING STEEL PEDESTRIAN TYPE C3 DETAILS

LEGEND

(#) INDICATES WING NUMBER.

▲ TERRACE WIDTH IS DESIGNED TO PROVIDE A FUTURE 10'PATH WITH 8'-6" TERRACE.

STRUCTURE DESIGN CONTACTS

DESIGN CONSULTANT CONTACT:
BRETT OFTEDAHL (608) 251-4843

BRIDGE OFFICE CONTACT:
AARON BONK (608) 261-0261

NO.	DATE	REVISION	BY

STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
MADISON, WISCONSIN 53715
(608)-251-4843
(608) 251-8655 FAX
WWW.STRAND.COM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED SDR 03/18/22
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-892

BIKE PATH OVER PLEASANT VIEW ROAD

COUNTY DANE | ~~TOWN/~~CITY~~/VILLAGE~~ MIDDLETON

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
BMO	EJC	DTH	EJC

GENERAL PLAN

SHEET 1 OF 10
756

8

8

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\080101_gp.dgn

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS NOTED OTHERWISE.

THE TRUSS SHALL BE ANCHORED TO THE ABUTMENTS IN A MANNER TO:
- ALLOW THERMAL MOVEMENTS ALONG ℄ OF THE BIKE PATH.
- PREVENT HORIZONTAL TRANSLATION OF THE SUPERSTRUCTURE PERPENDICULAR TO THE ℄ OF THE BIKE PATH.

THE TRUSS SHALL BE CAMBERED AN AMOUNT EQUAL TO THE PROFILE GRADE LINE PLUS AN AMOUNT TO OFFSET THE CALCULATED DEAD LOAD DEFLECTION.

PROTECTIVE SCREENING, CONCRETE DECK AND REINFORCEMENT, CURBS, BEARINGS, AND ANCHOR BOLTS ARE INCLUDED IN THE BID ITEM "PREFABRICATED STEEL TRUSS PEDESTRIAN BRIDGE B-13-892 LRFD".

DECORATIVE ARCH FACADE PLATES SHALL BE INCLUDED IN BID ITEM "ARCH FACADE PLATES."

THE PAINT COLOR FOR THE STEEL TRUSS SHALL BE AMS *27038 (BLACK) AND THE PAINT COLOR FOR THE ARCH FACADE PLATE SHALL BE PANTONE MATCHING SYSTEM COLOR PMS 188 (DARK RED).

TRUSS AND CONCRETE DECK SHALL BE DESIGNED TO ACCOMMODATE A 1¾-INCH STRIP SEAL JOINT. THE TRUSS FABRICATOR SHALL COORDINATE WITH THE JOINT FABRICATOR TO OBTAIN NECESSARY JOINT AND ANCHORAGE DETAILS. SEE SHEET 8 FOR EXPANSION JOINT INFORMATION.

TRUSS SHALL BE DESIGNED AS SIMPLE SPAN BETWEEN ABUTMENTS. TOP CHORD SHALL BE FABRICATED TO A PARABOLIC CURVE. THE TRUSS APPEARANCE SHALL RESEMBLE WHAT IS SHOWN IN THE ELEVATION VIEW ON SHT. 1.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK SURFACE, THE TOP AND FRONT FACE OF THE CURB, TOP OF ABUTMENT BACKWALL, AND VERTICAL AND HORIZONTAL SURFACES OF PAVING NOTCH.

WALLS R-13-366 AND R-13-367 WILL BE CONSTRUCTED CONCURRENTLY WITH BRIDGE B-13-892. CONSTRUCTION SEQUENCE FOR THE MSE WALL AND SOIL REINFORCEMENT MUST BE COORDINATED WITH ABUTMENT CONSTRUCTION.

ANCHOR BOLTS, BEARINGS, AND THEIR LOCATION ON THE SUBSTRUCTURE UNITS SHALL BE PROVIDED BY THE BRIDGE MANUFACTURER AND INCLUDED IN THE BID ITEM "PREFABRICATED STEEL TRUSS PEDESTRIAN BRIDGE B-13-892 LRFD".

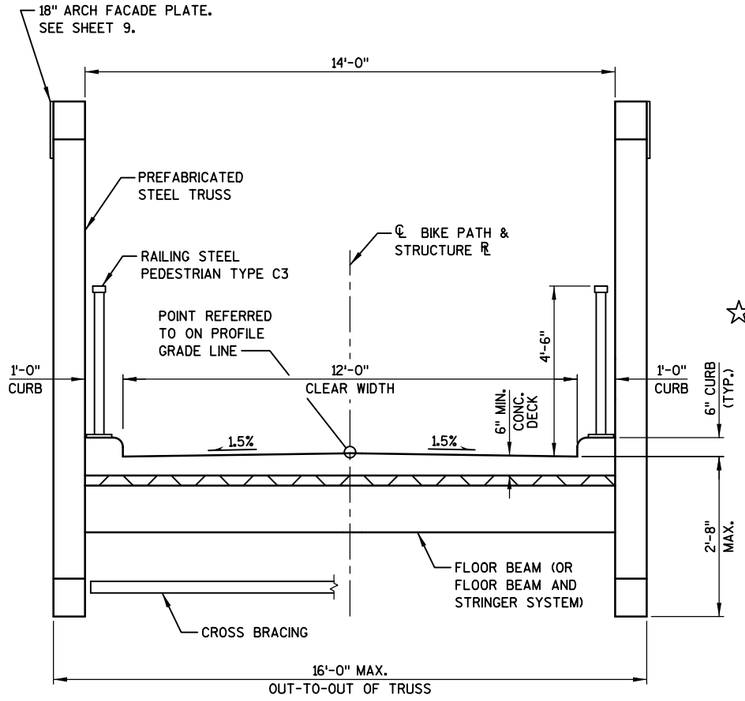
IF CROSS SECTION OF PEDESTRIAN BRIDGE DIFFERS FROM THAT SHOWN, THE ABUTMENT SHALL BE MODIFIED TO ACCOMMODATE THE CHANGE. MODIFICATIONS TO THE ABUTMENTS SHALL BE APPROVED BY THE DESIGN ENGINEER.

THE CONCRETE DECK SHALL BE DESIGNED AND REINFORCED TO SUPPORT DEAD AND LIVE LOADS WITHOUT CONTRIBUTION FROM THE DECK FORMING SYSTEM. REINFORCEMENT SHALL BE EPOXY COATED.

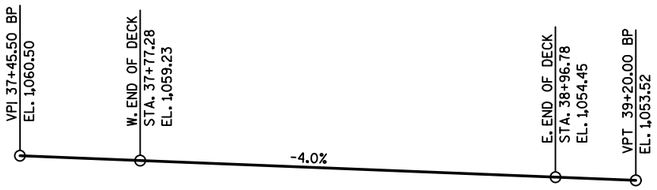
M.S.E. BACKFILL AT THE ABUTMENTS, M.S.E. REINFORCEMENT STRIPS, AND THE CONNECTION OF THE STRIPS TO THE ABUTMENT ARE INCLUDED IN THE BID ITEM "ABUTMENT ANCHORAGE".

EXCAVATION FOR BRIDGE IS INCLUDED IN THE BID ITEM FOR M.S.E. RETAINING WALLS R-13-366 AND R-13-367.

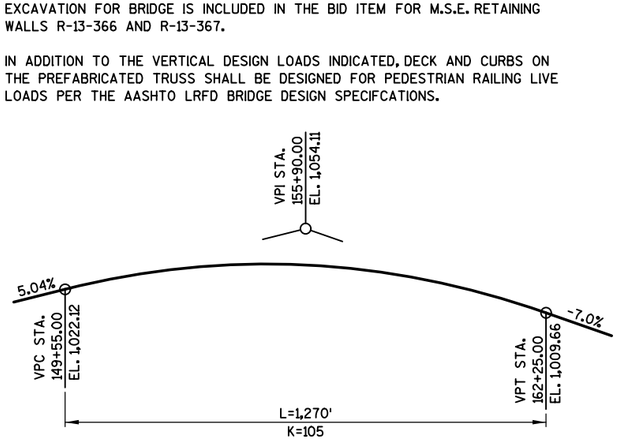
IN ADDITION TO THE VERTICAL DESIGN LOADS INDICATED, DECK AND CURBS ON THE PREFABRICATED TRUSS SHALL BE DESIGNED FOR PEDESTRIAN RAILING LIVE LOADS PER THE AASHTO LRFD BRIDGE DESIGN SPECIFCATIONS.



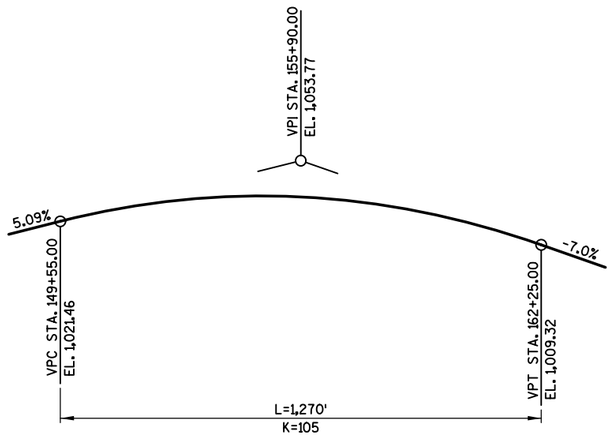
CROSS SECTION THRU TRUSS STRUCTURE
(LOOKING EAST)



PROFILE GRADE LINE
BIKE PATH



PROFILE GRADE LINE
PLEASANT VIEW ROAD - SOUTHBOUND



PROFILE GRADE LINE
PLEASANT VIEW ROAD - NORTHBOUND

STATE PROJECT NUMBER

5992-11-01

TOTAL ESTIMATED QUANTITIES

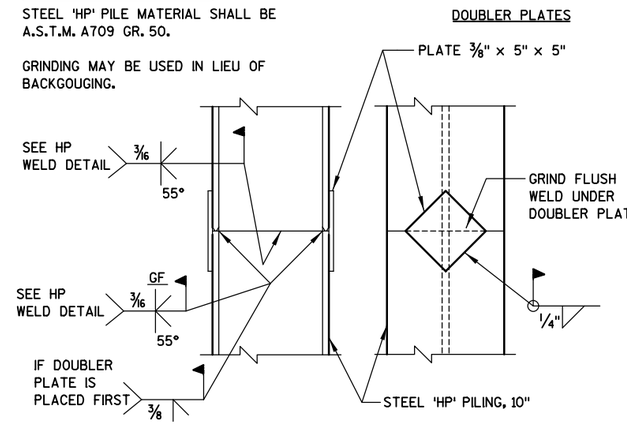
BID ITEM NUMBER	BID ITEMS	UNIT	E. ABUT.	W. ABUT.	SUPERSTRUCTURE	TOTALS
502.0100	CONCRETE MASONRY BRIDGES	CY	34.3	34.3	--	69
502.3101	EXPANSION DEVICE	LF	12	12	--	24
502.3200	PROTECTIVE SURFACE TREATMENT	SY	4	4	199	207
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB.	1,010	1,010	--	2,020
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB.	1,410	1,410	--	2,820
506.8006.S	PREFABRICATED STEEL TRUSS PEDESTRIAN BRIDGE B-13-892 LRFD	EA	--	--	1	1
513.8016	RAILING STEEL PEDESTRIAN TYPE C3	LF	32	32	239	303
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	8	8	--	16
517.1000	PAINTING EPOXY SYSTEM STEEL TRUSS B-13-892	LS	--	--	1	1
550.0020	PRE-BORING ROCK OR CONSOLIDATED MATERIALS	LF	9	9	--	18
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	57	69	--	126
604.0400	SLOPE PAVING CONCRETE	SY	6	6	--	12
☆ SPV.0060	ARCH FACADE PLATES	EA	--	--	1	1
☆ SPV.0090	ABUTMENT ANCHORAGE	LF	21	21	--	42
	NON-BID ITEMS					
	FILLER	SIZE				3/4"
	EXPANDED POLYSTYRENE	SIZE				1"
	NAME PLATE					

☆ NON-PARTICIPATING ITEM - 100% CITY FUNDED.

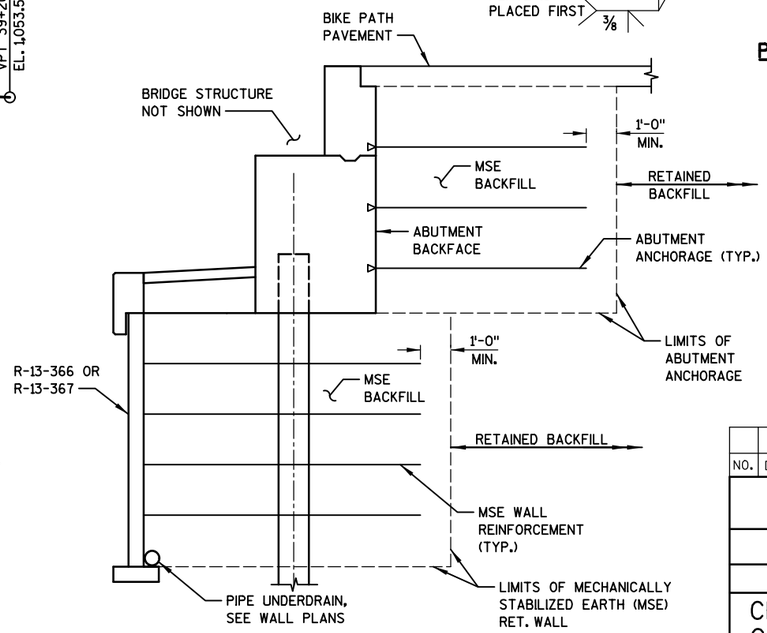
PILE SPLICE NOTES

STEEL 'HP' PILE MATERIAL SHALL BE A.S.T.M. A709 GR. 50.

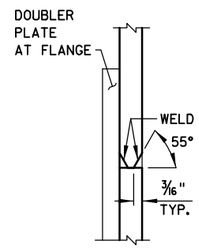
GRINDING MAY BE USED IN LIEU OF BACKGOUGING.



PILE SPLICE DETAILS



TYPICAL SECTION THRU ABUTMENT AT MSE WALL



HP WELD DETAIL
FLANGE SHOWN, WEB SIMILAR

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-892

DRAWN BY DTH | PLANS CK'D. EJC

CROSS SECTION, GENERAL NOTES & DETAILS

SHEET 2
757

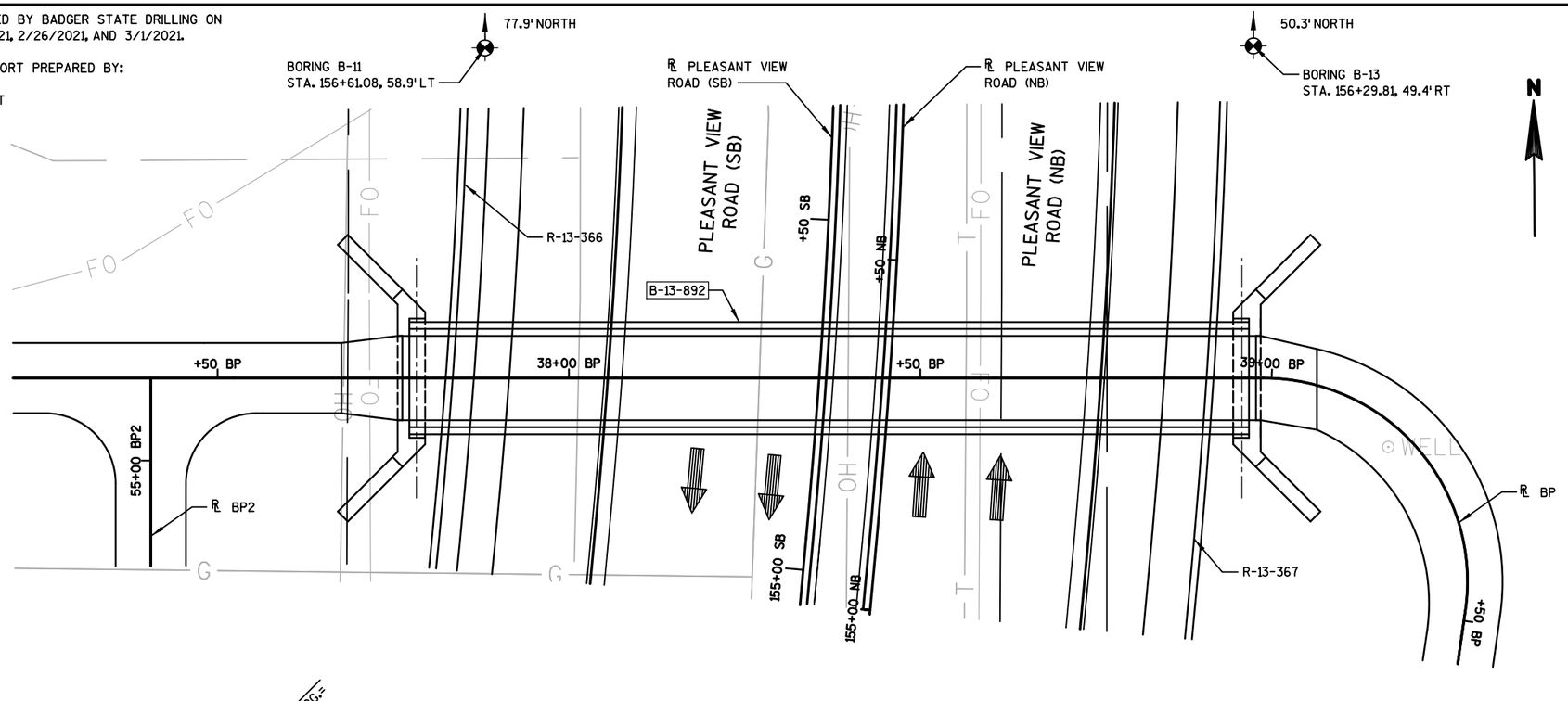
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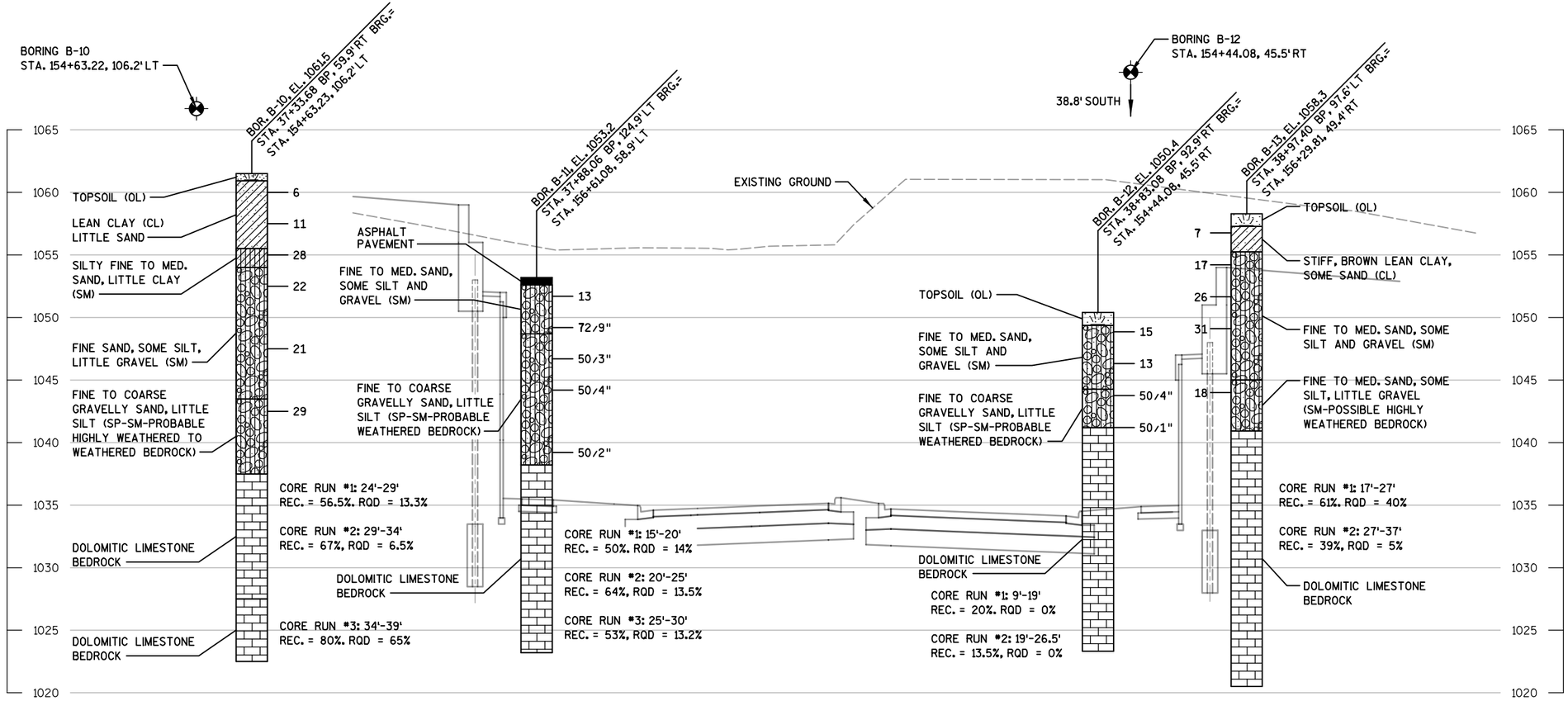
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FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\080102_cs.dgn

BORINGS PERFORMED BY BADGER STATE DRILLING ON 1/29/2021, 2/2/2021, 2/26/2021, AND 3/1/2021.

GEOTECHNICAL REPORT PREPARED BY:
CGC INC.
2921 PERRY STREET
MADISON, WI 53713





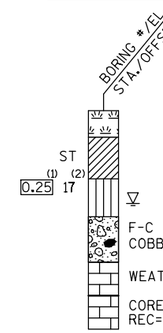
STATE PROJECT NUMBER

5992-11-01

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- ▽ AT TIME OF DRILLING
- ▼ END OF DRILLING
- ▼ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-892

DRAWN BY DTH | PLANS CK'D. BMO

SUBSURFACE EXPLORATION

SHEET 3
758

8

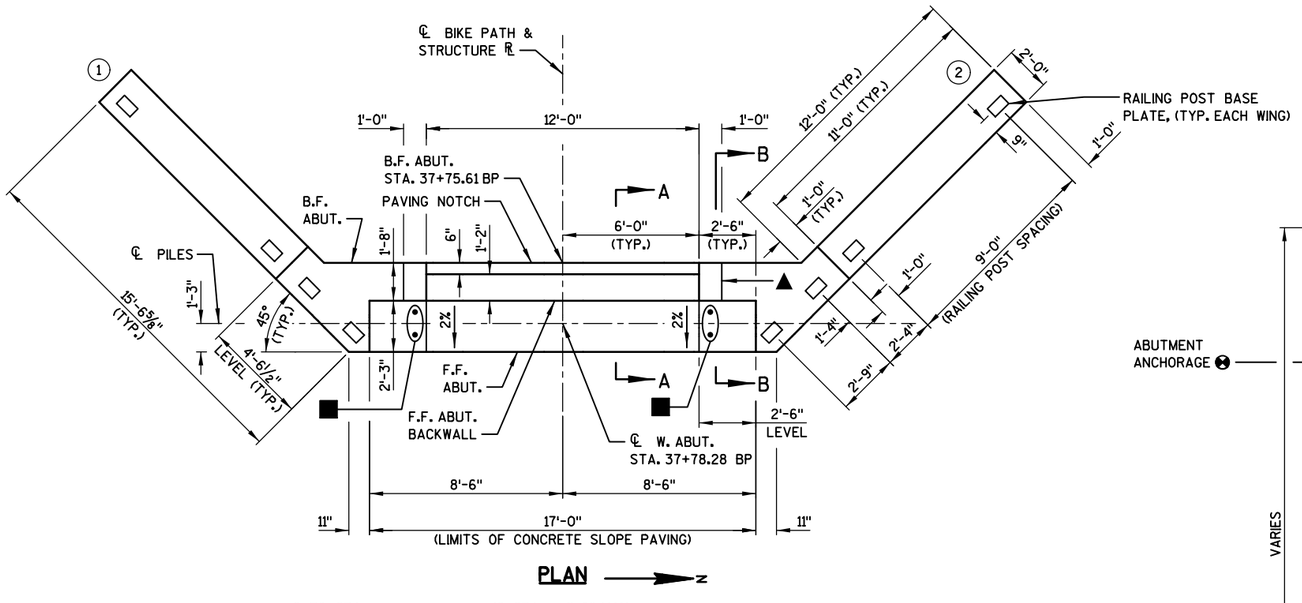
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SCALE =

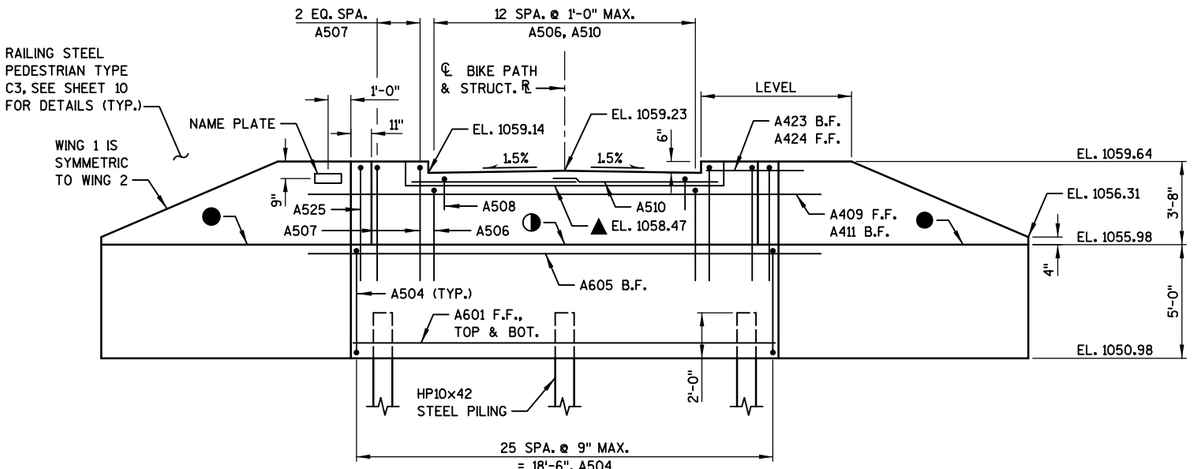
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STATE PROJECT NUMBER

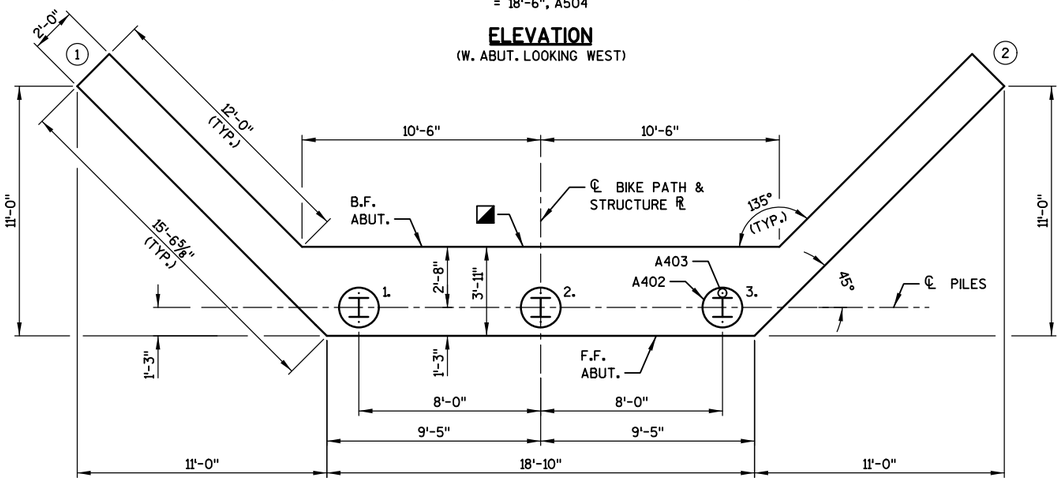
5992-11-01



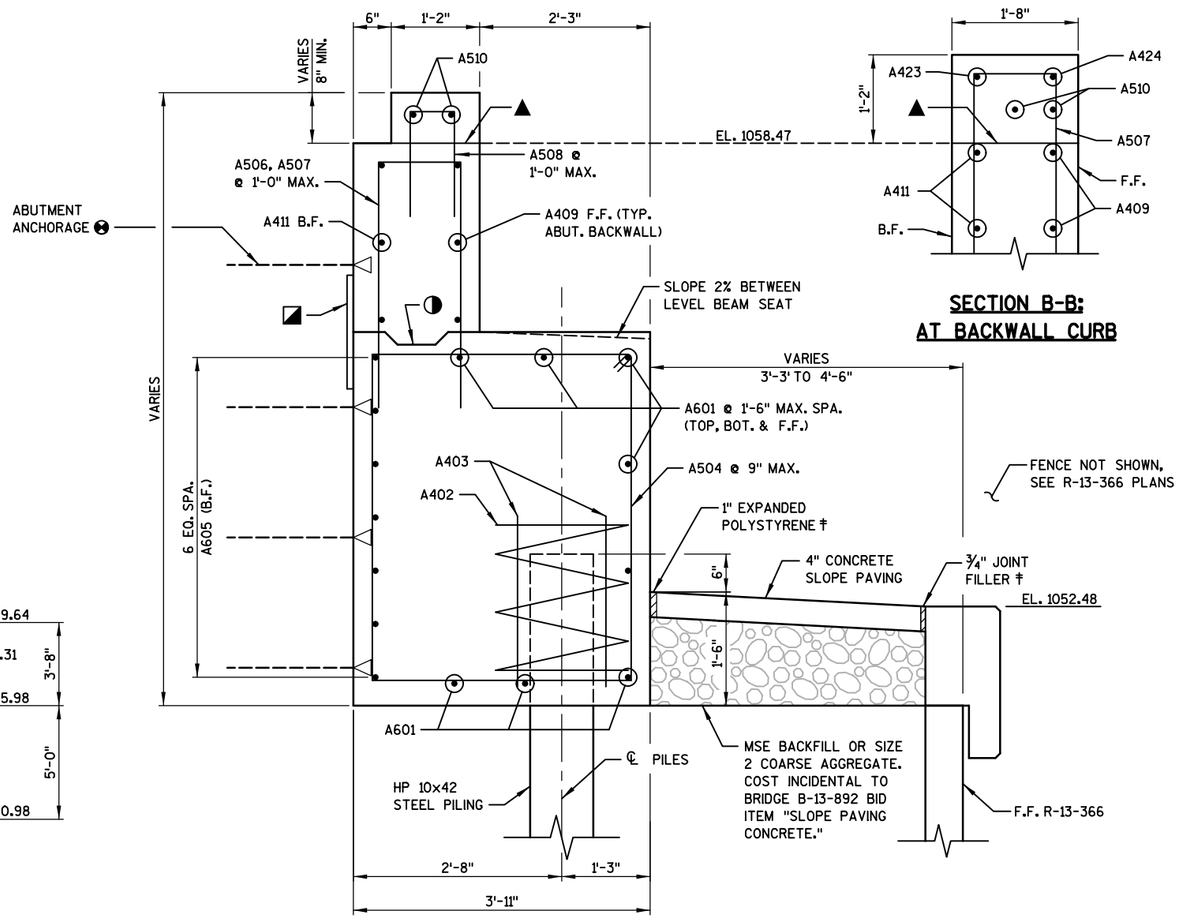
PLAN N



ELEVATION
(W. ABUT. LOOKING WEST)



PILE PLAN



SECTION B-B: AT BACKWALL CURB

SECTION A-A: TYPICAL SECTION THROUGH ABUTMENT

LEGEND

■ ANCHOR BOLT DESIGN AND LOCATION TO BE PROVIDED BY BRIDGE MANUFACTURER.

* DIMENSION TO BE CONFIRMED BY BRIDGE MANUFACTURER.

◑ HORIZONTAL CONSTRUCTION JOINT WITH KEYWAY FORMED BY A BEVELED 2"x6".

● OPTIONAL CONST. JOINT WITH KEYWAY FORMED BY BEVELED 2"x6". PROVIDE ¾" "V-GROOVE" AT F.F. AND 18" RUBBERIZED MEMBRANE WATERPROOFING AT B.F. IF OPTIONAL JOINT IS USED.

◪ 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE.

▲ CONST. JOINT. POUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE CONCRETE IS IN PLACE. STRIKE OFF AND LEAVE ROUGH.

ǂ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER AND EXPANDED POLYSTYRENE WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).

⊗ UNFACTORED SUPERSTRUCTURE LATERAL LOADS TRANSFERRED TO THE ABUTMENT ARE TAKEN TO BE KIPS PER FOOT OF ABUTMENT LENGTH. THE VALUES ARE TO BE USED FOR THE LRFD DESIGN OF THE ABUTMENT ANCHORAGE BY THE MSE WALL MANUFACTURER (M.S.E. SYSTEM, DEADMAN ANCHOR, OTHER). THE FOLLOWING AASHTO LINE LOADS SHALL BE INCLUDED IN THE DESIGN:

BR = 0.24 KLF WS = 0.86 KLF
TU = 1.00 KLF WL = N/A

NOTES

ABUTMENT TO BE SUPPORTED ON HP 10x42 STEEL PILING SEATED IN PREBORED HOLES CORED 3 FEET MINIMUM INTO SOUND BEDROCK. PILE DRIVING IS NOT REQUIRED. ESTIMATED PILE LENGTH IS 23 FT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-892

DRAWN BY DTH | PLANS CK'D. EJC

WEST ABUTMENT

SHEET 4
759

8

8

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\080104_wa.dgn

WEST ABUTMENT BILL OF BARS

UNCOATED: 1,010 LBS
COATED: 1,410 LBS

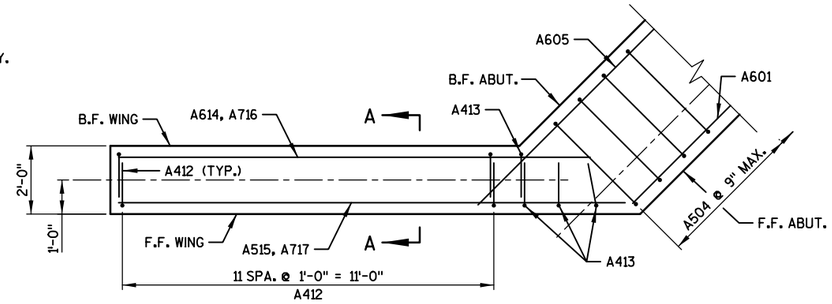
BAR MARK	NO. REQ'D	LENGTH	BENT	COAT	BAR SERIES	LOCATION
A601	8	18'-6"				BODY - FF, TOP, BTM. - HORIZ.
A402	3	28'-0"	X			BODY - PILES - SPIRAL
A403	6	2'-3"				BODY - PILES - VERT.
A504	26	17'-0"	X			BODY - VERT.
A605	7	25'-2"				BODY - BF - HORIZ.
A506	13	8'-11"	X	X		BACKWALL - VERT.
A507	6	11'-1"	X	X		BACKWALL - VERT.
A508	13	3'-11"	X	X		BACKWALL - VERT. - PAVING BLOCK
A409	3	20'-0"		X		BACKWALL - FF - HORIZ.
A510	4	7'-4"		X		BACKWALL - HORIZ. - PAVING BLOCK
A411	3	24'-0"		X		BACKWALL - BF - HORIZ.
△ A412	48	9'-1"	X	X	X	WING - VERT.
A413	8	10'-9"	X	X		WING - VERT.
A614	10	14'-1"		X		WING - LOWER - HORIZ. - BF
A515	10	15'-4"		X		WING - LOWER - HORIZ. - FF
A716	2	14'-7"		X		WING - LOWER - HORIZ. - BF
A717	2	15'-4"		X		WING - LOWER - HORIZ. - FF
A418	4	14'-1"	X	X		WING - UPPER - TOP - EF
A419	8	4'-2"	X	X		BODY - UPPER - HORIZ. - FF
A420	4	13'-7"		X		WING - UPPER - HORIZ. - EF
A421	4	9'-11"		X		WING - UPPER - HORIZ. - EF
A422	4	6'-3"		X		WING - UPPER - HORIZ. - EF
A423	2	5'-11"		X		BACKWALL - HORIZ. - TOP - BF
A424	2	3'-11"		X		BACKWALL - HORIZ. - TOP - FF
A525	4	13'-4"	X	X		BODY - UPPER - VERT.

△ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR THE BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

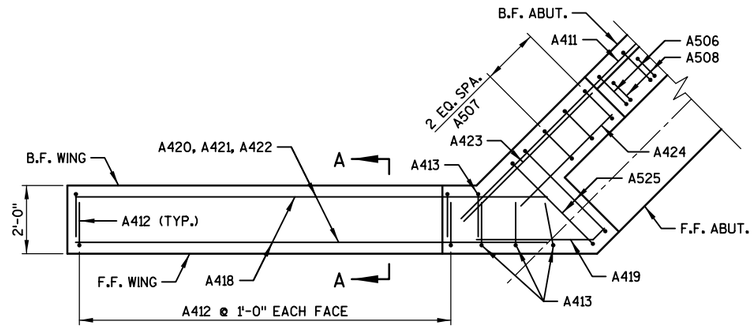
BAR SERIES TABLE

BAR MARK	NO. REQ'D	LENGTH
A412	4 SERIES OF 12	7'-5" TO 10'-9"

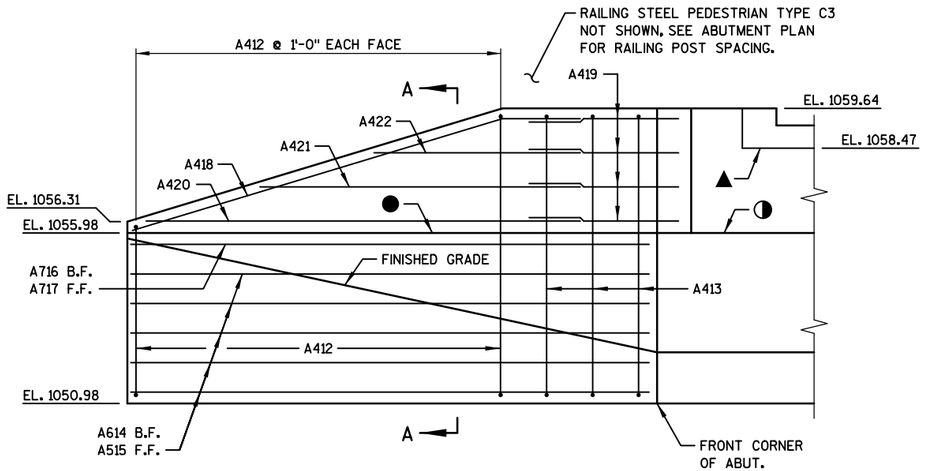
BUNDLE AND TAG EACH SERIES SEPARATELY.



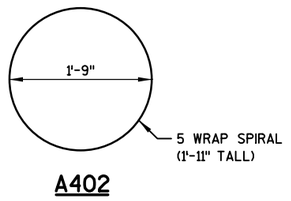
WING - LOWER PLAN
(WINGS 1 AND 2 ARE SYMMETRIC)



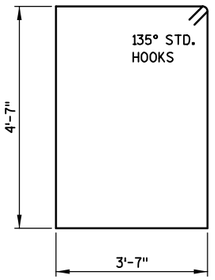
WING - UPPER PLAN
(WINGS 1 AND 2 ARE SYMMETRIC)



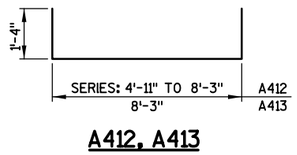
WING ELEVATION
(WING 1 SHOWN, WING 2 SYMMETRIC)



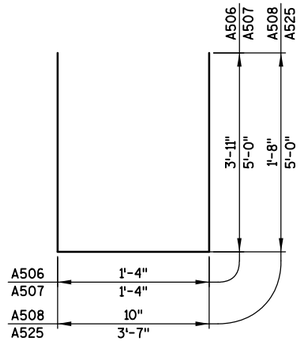
A402



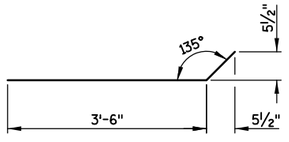
A504



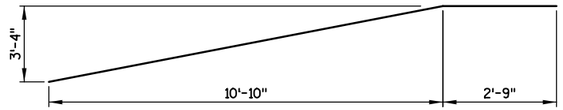
A412, A413



A506, A507, A508, A525



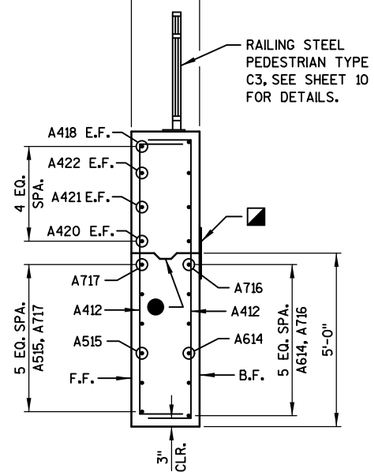
A419



A418

LEGEND

- ◑ HORIZONTAL CONSTRUCTION JOINT WITH KEYWAY FORMED BY A BEVELED 2"x6".
- ● OPTIONAL CONST. JOINT WITH KEYWAY FORMED BY BEVELED 2"x6". PROVIDE ¾" "V-GROOVE" AT F.F. IF OPTIONAL JOINT IS USED.
- ◪ 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE.
- ▲ CONST. JOINT. POUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE CONCRETE IS IN PLACE. STRIKE OFF AND LEAVE ROUGH.



SECTION A-A THRU WING

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-892

DRAWN BY DTH | PLANS CK'D. EJC

WEST ABUTMENT DETAILS

SHEET 5
760

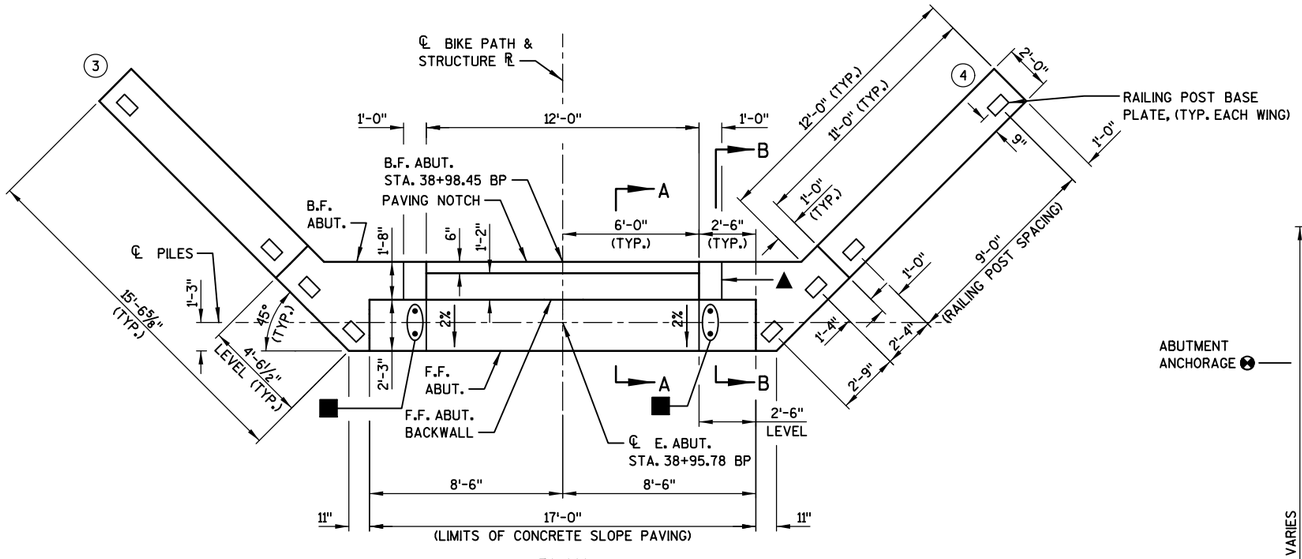
STATE PROJECT NUMBER
5992-11-01

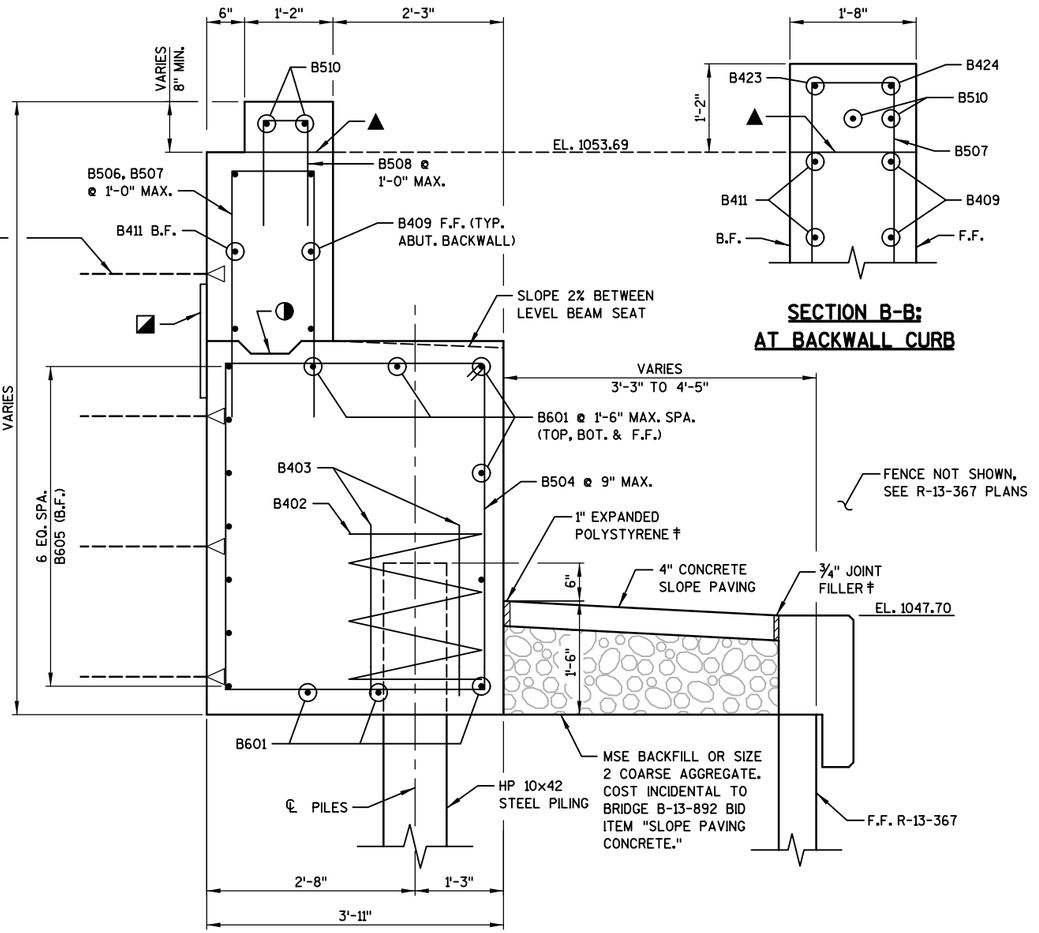
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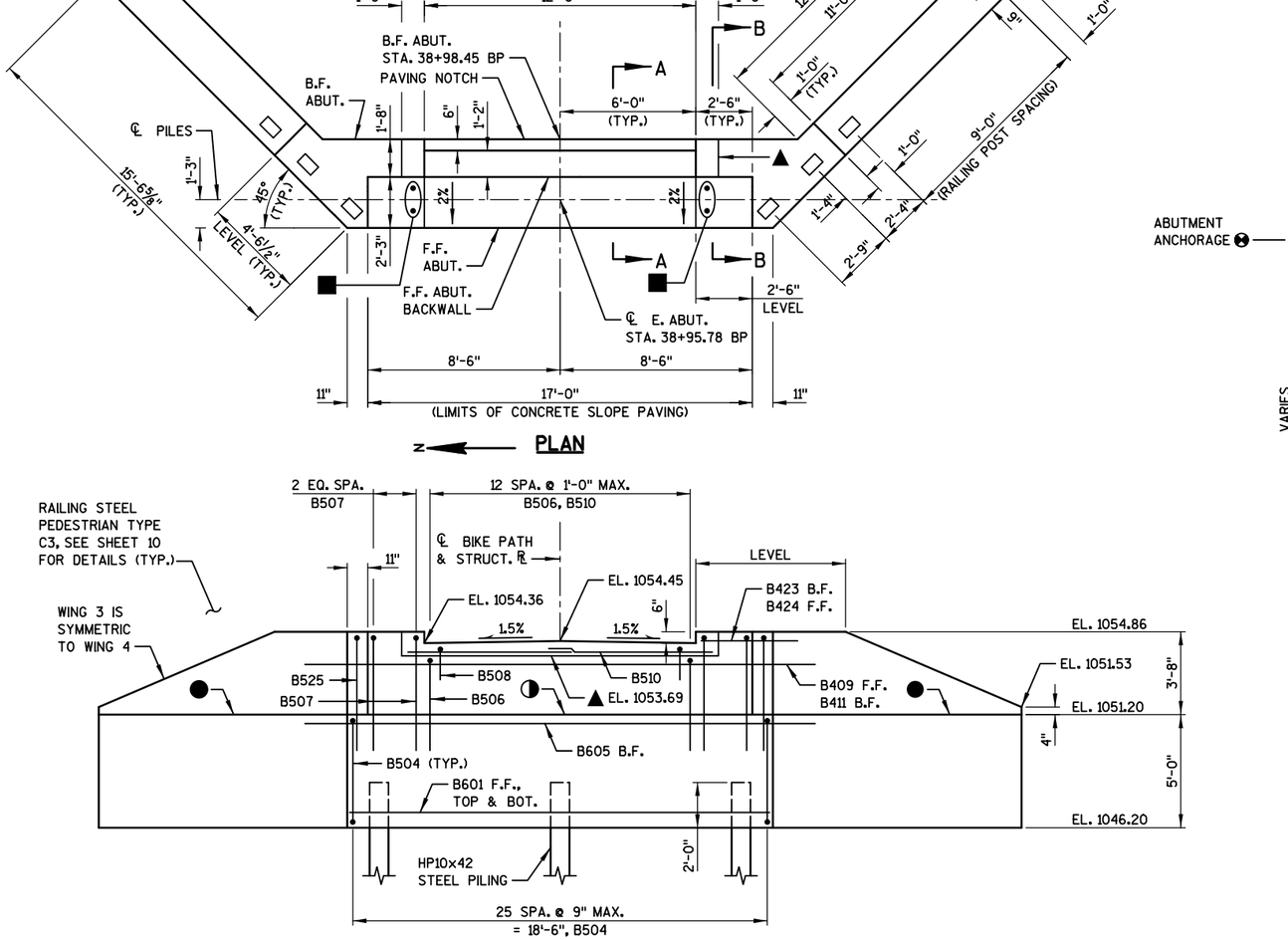
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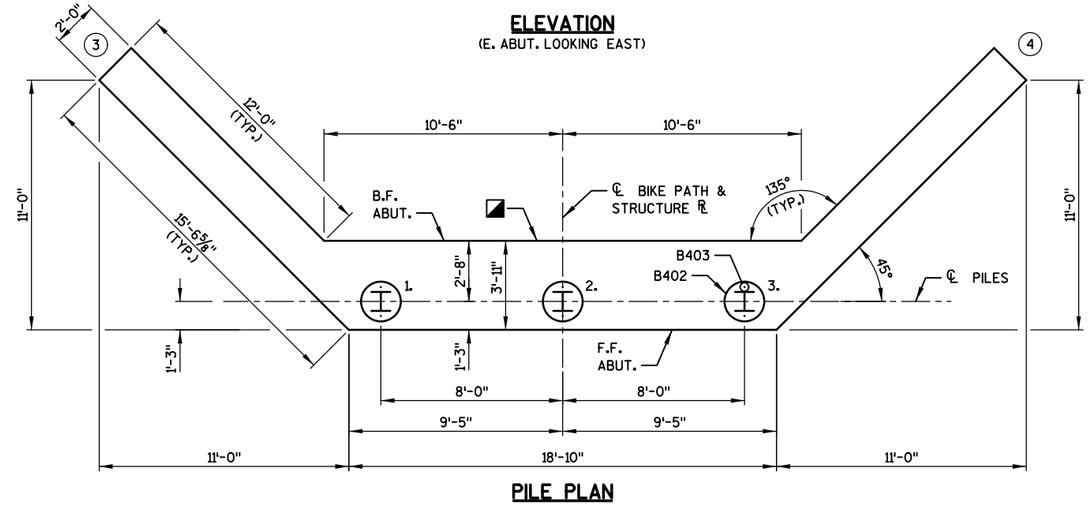
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STATE PROJECT NUMBER
5992-11-01









LEGEND

■ ANCHOR BOLT DESIGN AND LOCATION TO BE PROVIDED BY BRIDGE MANUFACTURER.

* DIMENSION TO BE CONFIRMED BY BRIDGE MANUFACTURER.

◑ HORIZONTAL CONSTRUCTION JOINT WITH KEYWAY FORMED BY A BEVELED 2"x6".

● OPTIONAL CONST. JOINT WITH KEYWAY FORMED BY BEVELED 2"x6". PROVIDE ¾" "V-GROOVE" AT F.F. AND 18" RUBBERIZED MEMBRANE WATERPROOFING AT B.F. IF OPTIONAL JOINT IS USED.

◪ 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE.

▲ CONST. JOINT. POUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE CONCRETE IS IN PLACE. STRIKE OFF AND LEAVE ROUGH.

‡ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER AND EXPANDED POLYSTYRENE WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).

⊗ UNFACTORED SUPERSTRUCTURE LATERAL LOADS TRANSFERRED TO THE ABUTMENT ARE TAKEN TO BE KIPS PER FOOT OF ABUTMENT LENGTH. THE VALUES ARE TO BE USED FOR THE LRFD DESIGN OF THE ABUTMENT ANCHORAGE BY THE MSE WALL MANUFACTURER (M.S.E. SYSTEM, DEADMAN ANCHOR, OTHER). THE FOLLOWING AASHTO LINE LOADS SHALL BE INCLUDED IN THE DESIGN:

BR = 0.24 KLF WS = 0.86 KLF
TU = 1.00 KLF WL = N/A

NOTES

ABUTMENT TO BE SUPPORTED ON HP 10x42 STEEL PILING SEATED IN PREBORED HOLES CORED 3 FEET MINIMUM INTO SOUND BEDROCK. PILE DRIVING IS NOT REQUIRED. ESTIMATED PILE LENGTH IS 19 FT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-892

DRAWN BY DTH | PLANS CK'D. EJC

EAST ABUTMENT

SHEET 6
761

8

8

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\080106_ea.dgn

STATE PROJECT NUMBER
5992-11-01

EAST ABUTMENT BILL OF BARS

UNCOATED: 1,010 LBS
COATED: 1,410 LBS

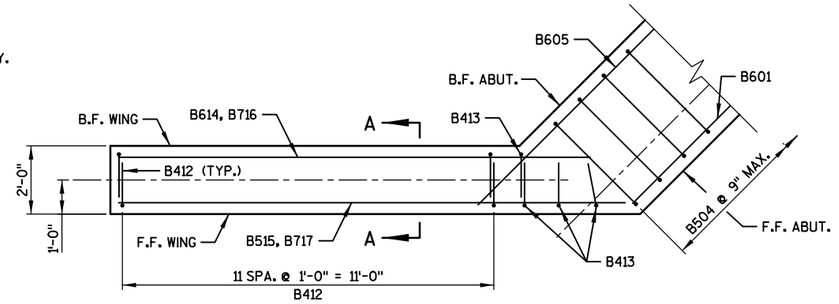
BAR MARK	NO. REQ'D	LENGTH	BENT	COAT	BAR SERIES	LOCATION
B601	8	18'-6"				BODY - FF, TOP, BTM. - HORIZ.
B402	3	28'-0"	X			BODY - PILES - SPIRAL
B403	6	2'-3"				BODY - PILES - VERT.
B504	26	17'-0"	X			BODY - VERT.
B605	7	25'-2"				BODY - BF - HORIZ.
B506	13	8'-11"	X	X		BACKWALL - VERT.
B507	6	11'-1"	X	X		BACKWALL - VERT.
B508	13	3'-11"	X	X		BACKWALL - VERT. - PAVING BLOCK
B409	3	20'-0"		X		BACKWALL - FF - HORIZ.
B510	4	7'-4"		X		BACKWALL - HORIZ. - PAVING BLOCK
B411	3	24'-0"		X		BACKWALL - BF - HORIZ.
△ B412	48	9'-1"	X	X	X	WING - VERT.
B413	8	10'-9"	X	X		WING - VERT.
B614	10	14'-1"		X		WING - LOWER - HORIZ. - BF
B515	10	15'-4"		X		WING - LOWER - HORIZ. - FF
B716	2	14'-7"		X		WING - LOWER - HORIZ. - BF
B717	2	15'-4"		X		WING - LOWER - HORIZ. - FF
B418	4	14'-1"	X	X		WING - UPPER - TOP - EF
B419	8	4'-2"	X	X		BODY - UPPER - HORIZ. - FF
B420	4	13'-7"		X		WING - UPPER - HORIZ. - EF
B421	4	9'-11"		X		WING - UPPER - HORIZ. - EF
B422	4	6'-3"		X		WING - UPPER - HORIZ. - EF
B423	2	5'-11"		X		BACKWALL - HORIZ. - TOP - BF
B424	2	3'-11"		X		BACKWALL - HORIZ. - TOP - FF
B525	4	13'-4"	X	X		BODY - UPPER - VERT.

△ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR THE BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

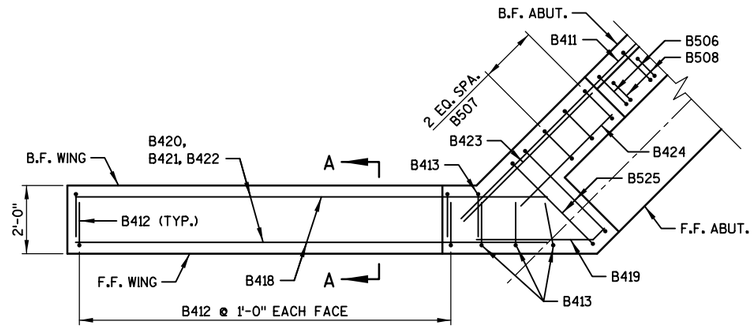
BAR SERIES TABLE

BAR MARK	NO. REQ'D	LENGTH
B412	4 SERIES OF 12	7'-5" TO 10'-9"

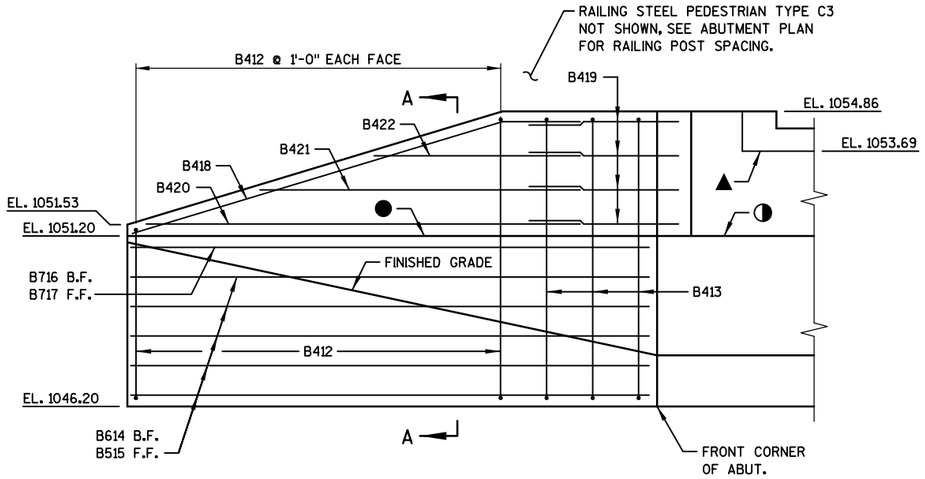
BUNDLE AND TAG EACH SERIES SEPARATELY.



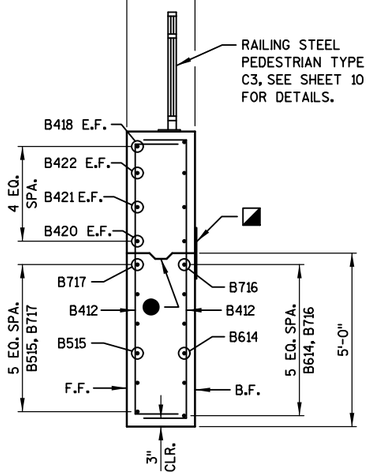
WING - LOWER PLAN
(WINGS 3 AND 4 ARE SYMMETRIC)



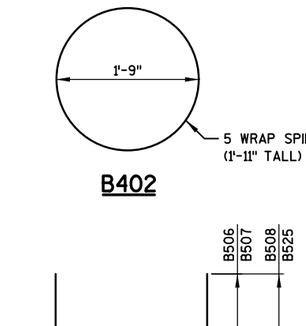
WING - UPPER PLAN
(WINGS 3 AND 4 ARE SYMMETRIC)



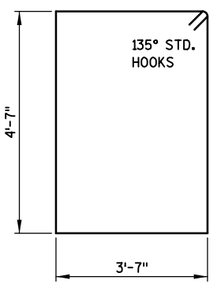
WING ELEVATION
(WING 3 SHOWN, WING 4 SYMMETRIC)



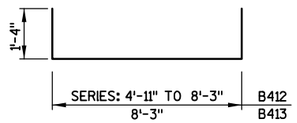
SECTION A-A THRU WING



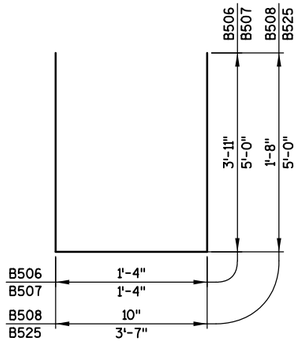
B402



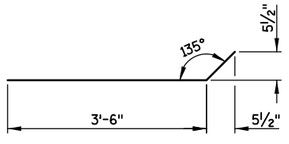
B504



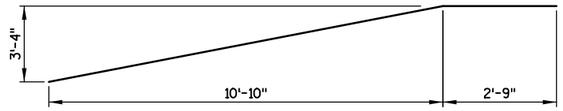
B412, B413



B506, B507, B508, B525



B419



B418

LEGEND

- HORIZONTAL CONSTRUCTION JOINT WITH KEYWAY FORMED BY A BEVELED 2"x6".
- OPTIONAL CONST. JOINT WITH KEYWAY FORMED BY BEVELED 2"x6". PROVIDE ¾" "V-GROOVE" AT F.F. IF OPTIONAL JOINT IS USED.
- 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE.
- CONST. JOINT. POUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE CONCRETE IS IN PLACE. STRIKE OFF AND LEAVE ROUGH.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-892

DRAWN BY DTH | PLANS CK'D. EJC

EAST ABUTMENT DETAILS

SHEET 7
762

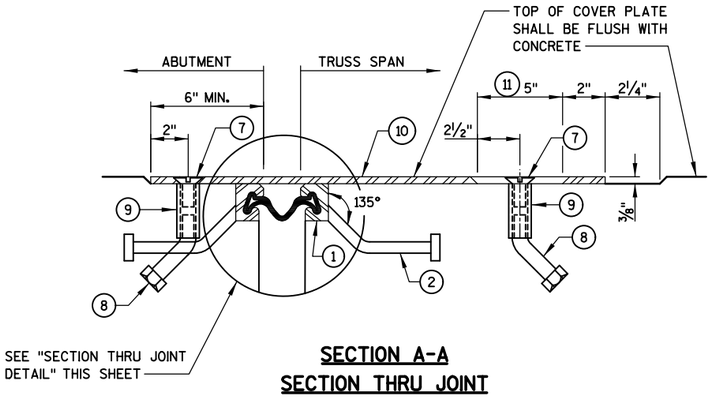
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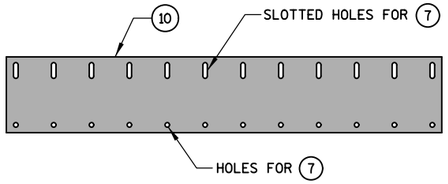
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STATE PROJECT NUMBER

5992-11-01



SECTION A-A
SECTION THRU JOINT



PLAN OF COVER PLATE WITH SLIP RESISTANT SURFACE

PLACE SLIP-RESISTANT SURFACE ON TOP WALKING SURFACE IN SHADED AREA

APPROVED SLIP-RESISTANT APPLIED SURFACES FOR STEEL PLATES		
PRODUCT	MANUFACTURER	CONTACT AT
SLIPNOT GRADE 2, STEEL	W.S. MOLNAR COMPANY	1-800-SLIPNOT
ALGRIP, STEEL	ROSS TECHNOLOGY CORP.	1-800-345-8170

LEGEND

1. NEOPRENE STRIP SEAL (4-INCH) & STEEL EXTRUSIONS.
2. STUDS 5/8" DIA. × 6 3/8" LONG AT 6" CENTERS. WELD TO EXTRUSIONS & BEND AS SHOWN AFTER WELDING.
7. 3/4" DIA. × 1 1/2" STAINLESS STEEL SOCKET FLAT HEAD SCREWS WITH ANTI-SEIZE LUBRICANT. RECESS 1/16" BELOW PLATE SURFACE.
8. 3/4" DIA. × 4" GALVANIZED HEX HEAD BOLT. BEND 45°.
9. 3/4" DIA. × 2 1/4" GALVANIZED THREADED COUPLING.
10. COVER PLATE 3/8" × 2'-0" × LIMITS SHOWN, WITH HOLES FOR NO. 7 GALVANIZE PLATE AFTER SLIP-RESISTANT SURFACE IS APPLIED.
11. 1" × 5" SLOTTED COUNTERSUNK HOLE FOR NO. 7 PLATE. SLOT PARALLEL TO DIRECTION OF MOVEMENT.

⊗ BLOCK OUT CONCRETE 2" EACH SIDE OF JOINT OPENING.

GENERAL NOTES

NO FIELD SPLICE PERMITTED IN STEEL EXTRUSIONS. NO SPLICING PERMITTED IN NEOPRENE STRIP SEAL.

AFTER FABRICATION, BUT BEFORE SHIPMENT, STRAIGHTEN STEEL EXTRUSIONS SUCH THAT THEY SHALL BE FREE FROM WARP, TWIST AND SWEEP.

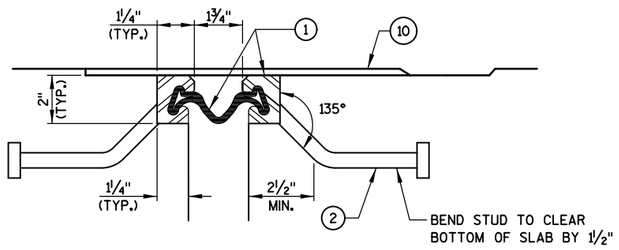
FABRICATOR SHALL PROVIDE MEANS OF KEEPING GALVANIZED EXTRUSIONS CLEAN AND SMOOTH DURING SHIPMENT AND PRIOR TO APPLYING LUBRICANT ADHESIVE FOR NEOPRENE GLAND INSTALLATION.

SANDBLAST PLATES, SUPPORTS, AND EXTRUSIONS AFTER FABRICATION IN ACCORDANCE WITH SSPC SP. NO. 6 "COMMERCIAL BLAST CLEANING". AFTER BLAST CLEANING, THE PLATES, SUPPORTS, AND EXTRUSIONS SHALL BE HOT DIPPED GALVANIZED. SLIP RESISTANT SURFACE IS APPLIED TO COVER PLATES BY THE MANUFACTURER AND THEN HOT DIPPED GALVANIZED TO THEIR RECOMMENDATIONS TO MAINTAIN THE INTEGRITY OF THIS SURFACE.

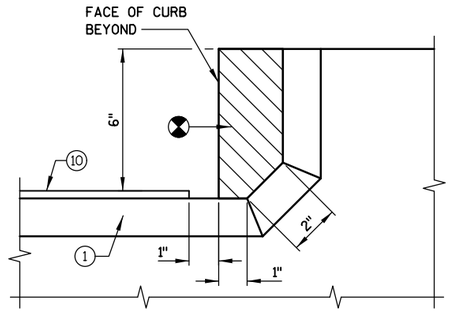
ANCHOR SYSTEM NO. 8 AND NO. 9 SHALL CONFORM TO ASTM A307 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C AND D.

THE EXPANSION DEVICE MANUFACTURER SHALL PROVIDE A MECHANISM TO SUPPORT THE JOINT IN PLACE DURING THE CONCRETE POUR.

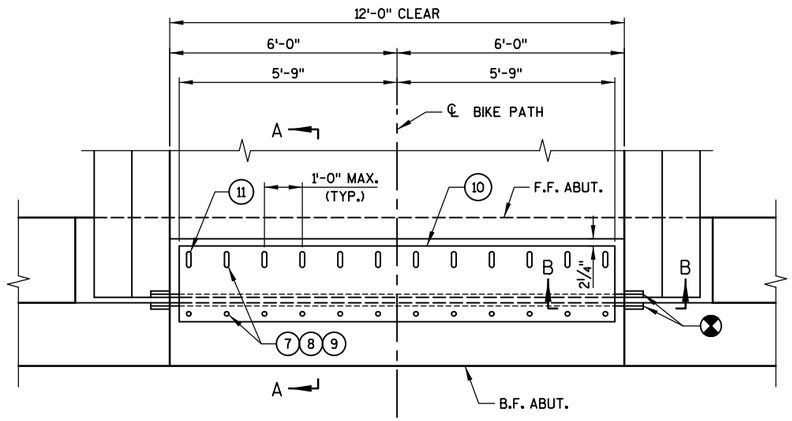
ALL MATERIAL IN THE EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE WILL BE PAID AT THE UNIT PRICE BID FOR "EXPANSION DEVICE" LF.



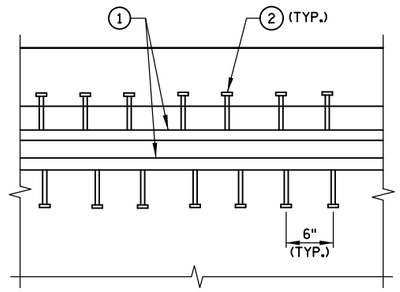
SECTION THRU JOINT DETAIL



SECTION B-B
SECTION THRU JOINT AT CURB



PLAN



PART PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-892

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EXPANSION DEVICES

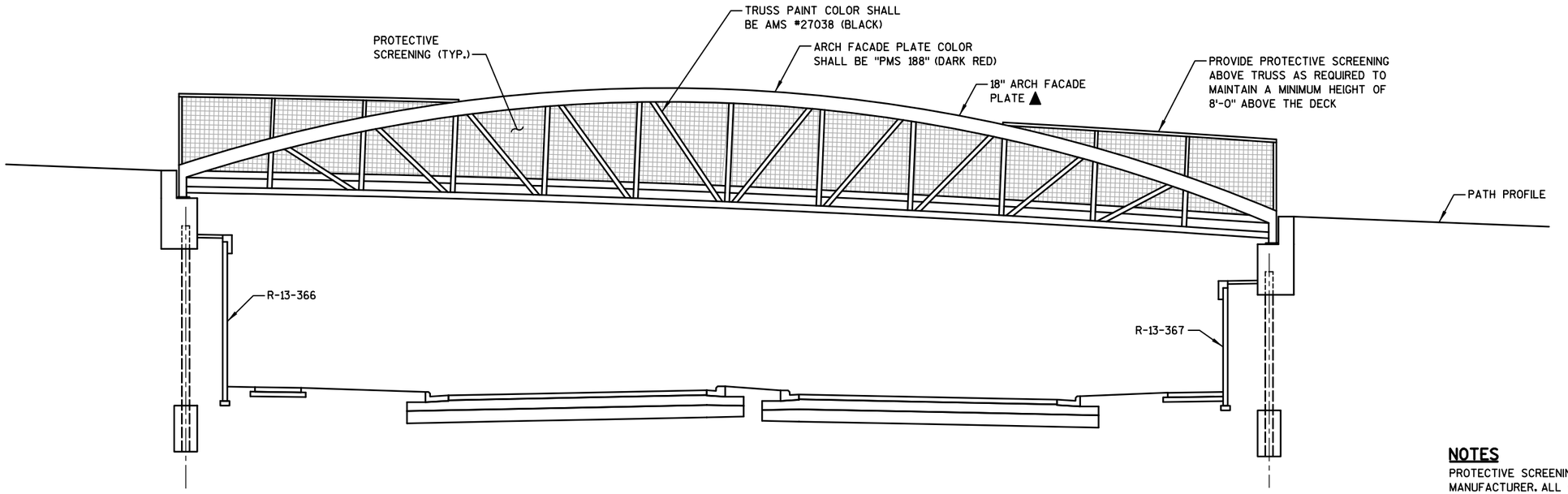
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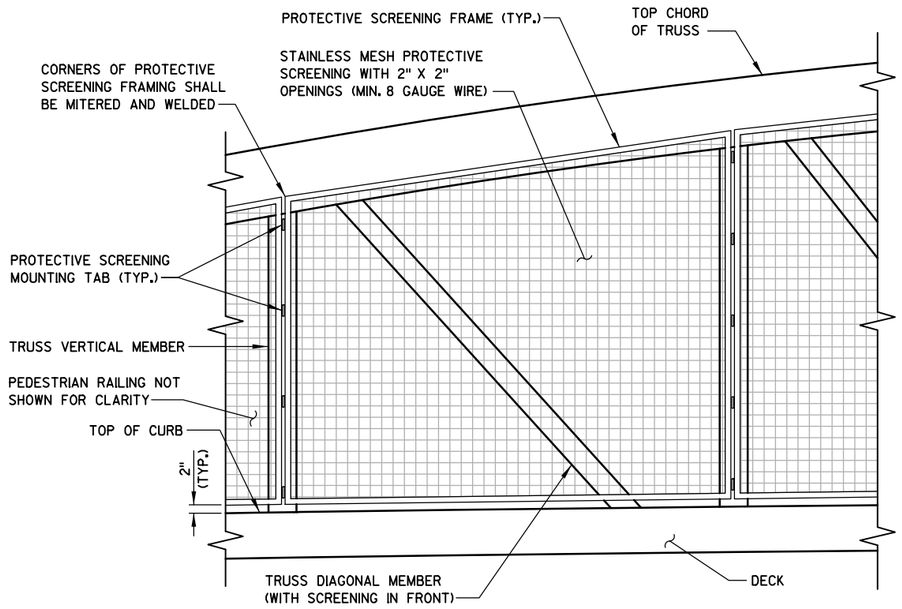
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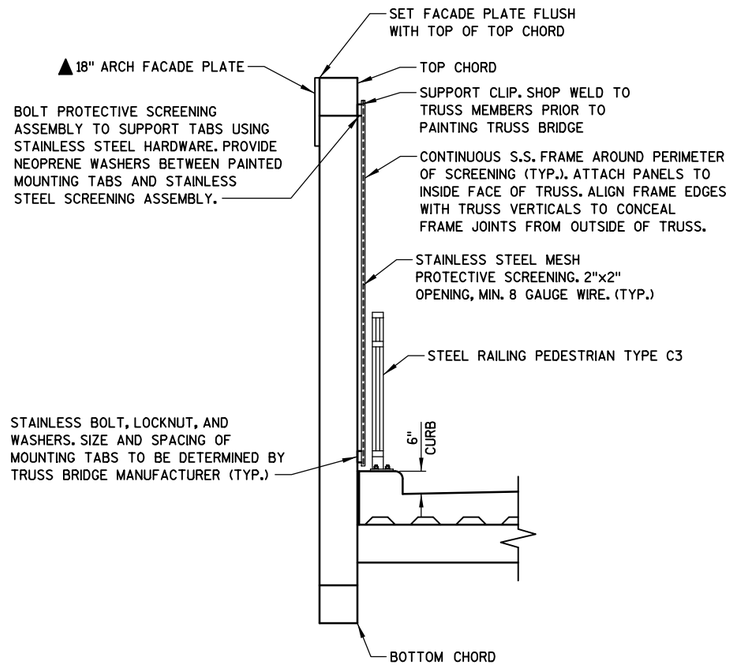
STATE PROJECT NUMBER
5992-11-01



ELEVATION
(TYPICAL EACH SIDE)



PROTECTIVE SCREENING ELEVATION
(LOOKING AT INSIDE FACE OF TRUSS)



PROTECTIVE SCREENING DETAIL

NOTES

PROTECTIVE SCREENING SHALL BE PROVIDED BY THE PREFABRICATED BRIDGE MANUFACTURER. ALL WORK ASSOCIATED WITH PROTECTIVE SCREENING SHALL BE INCIDENTAL TO BID ITEM "PREFABRICATED STEEL TRUSS PEDESTRIAN BRIDGE LRFD B-13-892 LRFD".

STAINLESS STEEL MESH SHALL BE ORIENTED VERTICALLY/HORIZONTALLY ACROSS THE FULL LENGTH OF THE BRIDGE.

ALL MATERIALS FOR THE PROTECTIVE SCREENING, INCLUDING HARDWARE, SHALL BE STAINLESS STEEL.

ALTERNATE DETAILS FOR THE PROTECTIVE SCREENING MAY BE PROPOSED BY THE PREFABRICATED BRIDGE MANUFACTURER, BUT MUST BE APPROVED BY THE ENGINEER. THE DESIGN INTENT IS TO ALIGN THE PROTECTIVE SCREENING FRAME WITH THE TRUSS MEMBERS TO MINIMIZE VISIBILITY OF THE FRAMES FROM THE OUTSIDE OF THE TRUSS.

PROTECTIVE SCREENING SHALL BE PROVIDED ON BOTH SIDES OF THE STEEL TRUSS PEDESTRIAN BRIDGE FROM THE TOP OF THE CURB TO THE TOP CHORD OF THE TRUSS OR 8 FEET ABOVE THE BRIDGE DECK, WHICHEVER IS GREATER. PROVIDE PROTECTIVE SCREENING THE ENTIRE LENGTH OF THE BRIDGE.

PROVIDE ADDITIONAL FRAMING ABOVE THE TRUSS AS REQUIRED TO SUPPORT THE PROTECTIVE SCREENING WHERE PROTECTIVE SCREENING EXTENDS ABOVE THE TOP CHORD AT EACH END OF THE BRIDGE.

LEGEND

▲ PROVIDE 18" TALL x ¼-INCH THICK STEEL PLATE ALONG THE TOP CHORD OF THE TRUSS. ATTACHMENT DETAILS TO BE DETERMINED BY BRIDGE MANUFACTURER AND SHALL BE SHOWN ON SHOP DRAWINGS. FRONT FACE OF FACADE PLATE SHALL BE PAINTED COLOR "PMS 118". BACK SIDE AND EDGES OF PLATE SHALL BE PAINTED BLACK TO MATCH BRIDGE COLOR. ALTERNATIVELY, THE TOP CHORD OF TRUSS MAY BE AN 18-INCH DEEP SECTION TO PROVIDE THE INTENDED ACCENT OF THE ARCH SHAPE. COST ASSOCIATED WITH THE FACADE PLATE SHALL BE INCLUDED IN BID ITEM, "ARCH FACADE PLATES."

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DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-892

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ARCH AND PROTECTIVE SCREENING DETAILS

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764

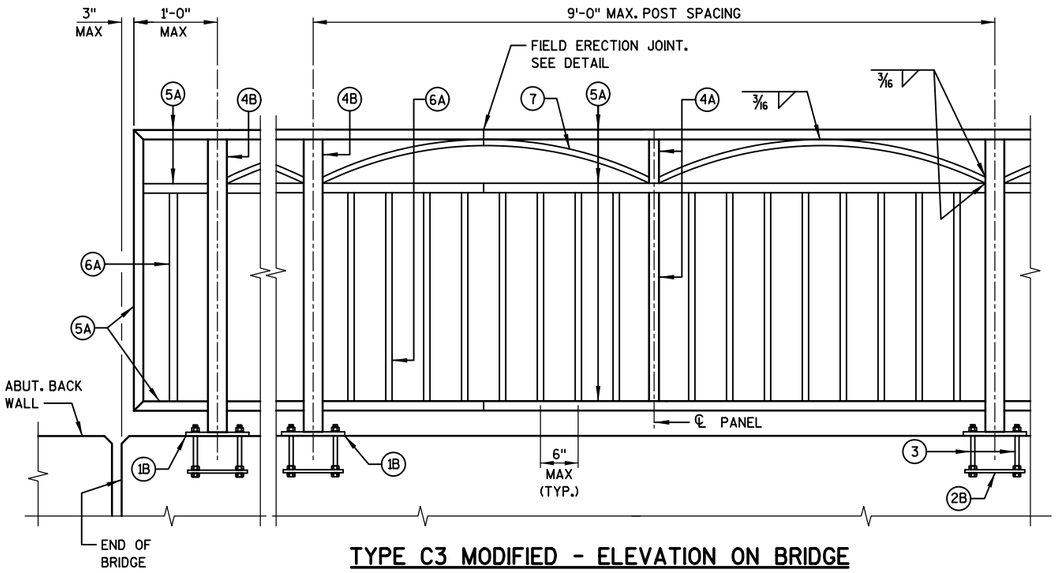
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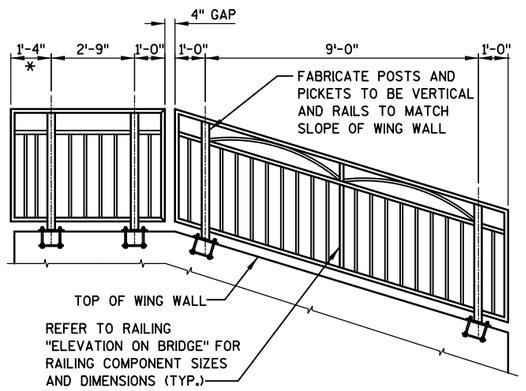
STATE PROJECT NUMBER

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TYPE C3 MODIFIED - ELEVATION ON BRIDGE

* ADJUST OVERHANG DIMENSION ADJACENT TO TRUSS AS NEEDED TO PROVIDE 4" MAX. GAP.



RAILING ELEVATION AT WING WALLS

LEGEND

- (1B) PLATE 5/8" X 6" X 10" WITH 3/4" X 1 1/2" SLOTTED HOLES
- (2B) 1/4" X 5" X 9" ANCHOR PLATE WITH 11/16 " DIA. HOLES FOR THR'D. RODS NO. 3.
- (3) 5/8" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATE ANCHORAGE: CONCRETE ADHESIVE ANCHORS 5/8-INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. ADHESIVE ANCHORS SHALL CONFORM TO SECTION 502.2.12 OF THE STANDARD SPECIFICATIONS.
- (4A) STRUCTURAL TUBING 3" X 1 1/2" X 3/16". PLACE VERTICAL. WELD TO NO. 5A.
- (4B) STRUCTURAL TUBING 3" X 3" X 3/16". PLACE VERTICAL. WELD TO NO. 1B AND 5A.
- (5A) STRUCTURAL TUBING 3" X 1 1/2" X 3/16" RAILS. WELD TO NO. 4A AND 4B. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION JOINTS.
- (6A) BAR 1" X 1" PICKETS. WELD TO NO. 5A. (SPACE AT 6" MAX ℄ TO ℄ SPACING). PLACE VERTICAL.
- (7) BAR 1" X 1". BEND TO REQUIRED RADIUS. WELD TO NO. 4 AND 5A.
- (9A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. PROVIDE "SLIDING FIT".
- (10A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. (1'-4" @ FIELD ERECTION JTS.)

RAILING NOTES

BID ITEM SHALL BE "RAILING STEEL PEDESTRIAN TYPE C3", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED AND USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

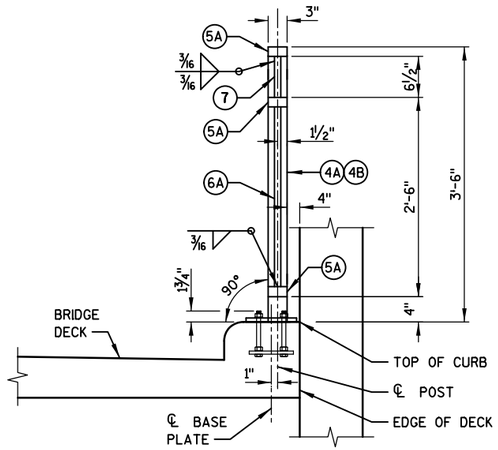
CAULK AROUND PERIMETER OF BASE PLATES, NO. 1B, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

ALL MATERIAL (EXCEPT NO. 3) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STANDARD COLOR NO. 27038 (BLACK).

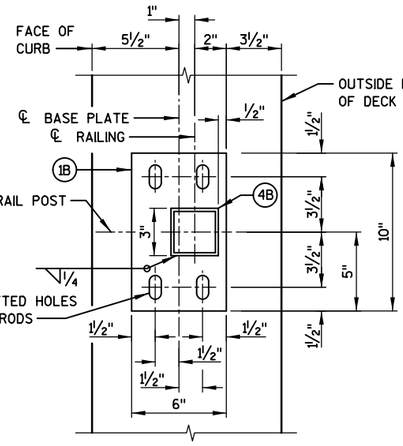
VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

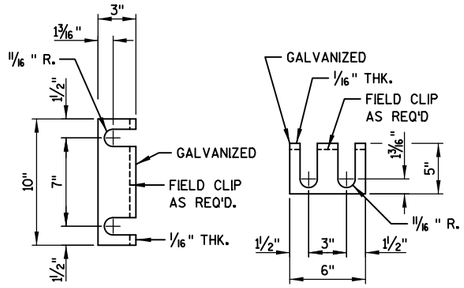
TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.



SECTION THRU RAILING

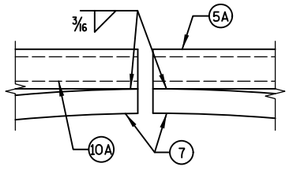


TYPICAL RAIL POST BASE PLATE

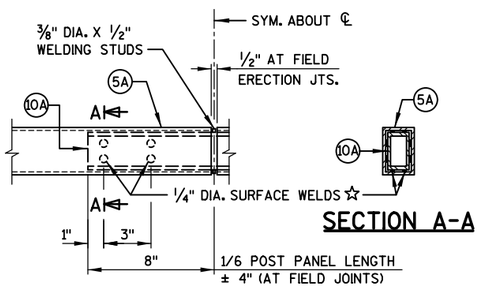


RAIL POST SHIM DETAIL

(2 SETS PER POST)



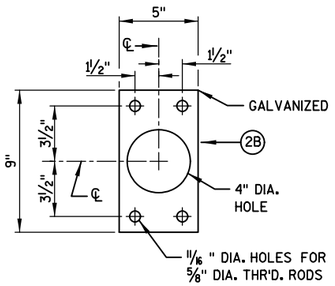
FIELD ERECTION JOINT



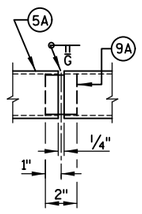
SECTION A-A

FIELD ERECTION JOINT DETAIL

☆ MIN. 5/8" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.

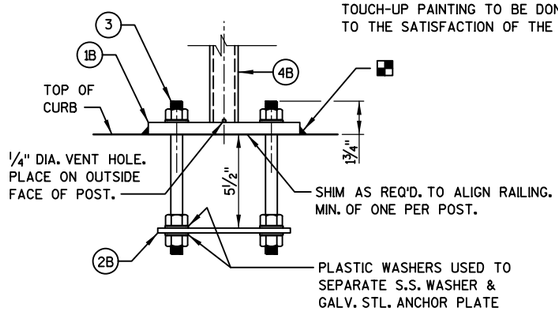


ANCHOR PLATE



SHOP RAIL SPLICE DETAIL

(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



ANCHORAGE FOR RAIL POSTS

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.

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STRUCTURE B-13-892

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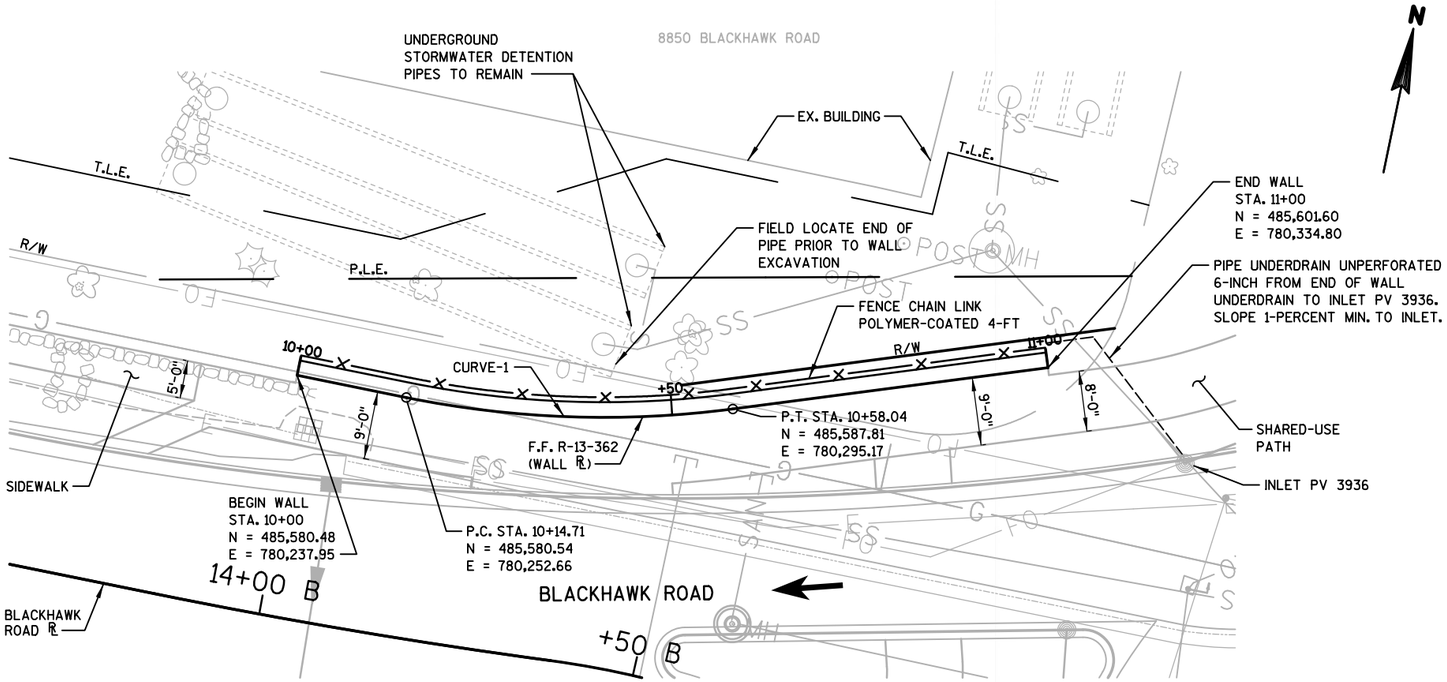
RAILING STEEL PEDESTRIAN TYPE C3 DETAILS

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STATE PROJECT NUMBER

5992-11-01



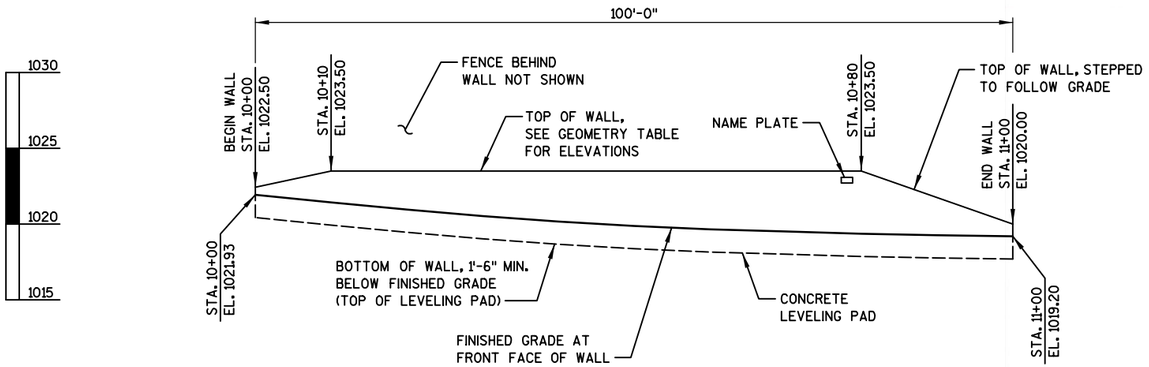
PLAN

(MODULAR BLOCK GRAVITY WALL)

HORIZONTAL CURVE DATA

CURVE-1
P.I. = 10+36.57
Y = 485,580.63
X = 780,274.52
DELTA = 18°56'56" (LT)
D = 43°44'14"
T = 21.86'
L = 43.32'
R = 131.00'
P.C. = 10+14.71
P.T. = 10+58.04

LIMITED UTILITY INFORMATION IS PROVIDED ON THIS SHEET. REFER TO ROADWAY PLANS AND SPECIAL PROVISIONS FOR ADDITIONAL UTILITY INFORMATION.



ELEVATION

(LOOKING AT F.F. OF WALL)

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-362."

PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THE TYPICAL WALL SECTION AND ROADWAY CROSS SECTIONS.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 100 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

TOP OF WALL ELEVATIONS SHOWN ARE MINIMUM VALUES. MODULAR BLOCK WALL SHALL BE STEPPED AT THE LOCATIONS DETERMINED BY THE WALL MANUFACTURER.

MATERIAL PROPERTIES

WALL MODULAR BLOCKS _____ f'c = 4,000 PSI (WET CAST)

ALLOWABLE WALL SYSTEMS

1. WALL MODULAR BLOCK GRAVITY

LEGEND

F.F. = FRONT FACE

R/W = RIGHT-OF-WAY

T.L.E. = TEMPORARY LIMITED EASEMENT

P.L.E = PERMANENT LIMITED EASEMENT

℄ = REFERENCE LINE

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. TYP. SECTION, NOTES, QTY. & DESIGN DATA.
3. FENCE DETAILS
4. SUBSURFACE EXPLORATION

WISCONSIN
BRETT M. OFTEDAHL
E-41123
MADISON
WI
PROFESSIONAL ENGINEER
12/1/21

STRUCTURE DESIGN CONTACTS

BRIDGE OFFICE CONTACT:
AARON BONK (608) 261-0261

DESIGN CONSULTANT CONTACT:
BRETT OFTEDAHL (608) 251-4843

NO.	DATE	REVISION	BY

STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
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(608)-251-4843
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WWW.STRAND.COM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ SDR 02/23/22
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE R-13-362

RETAINING WALL AT BLACKHAWK ROAD

COUNTY: DANE
~~TOWN~~/CITY/~~VILLAGE~~: MIDDLETON

DESIGN SPEC.: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
ECB	BMO	ECB	BMO

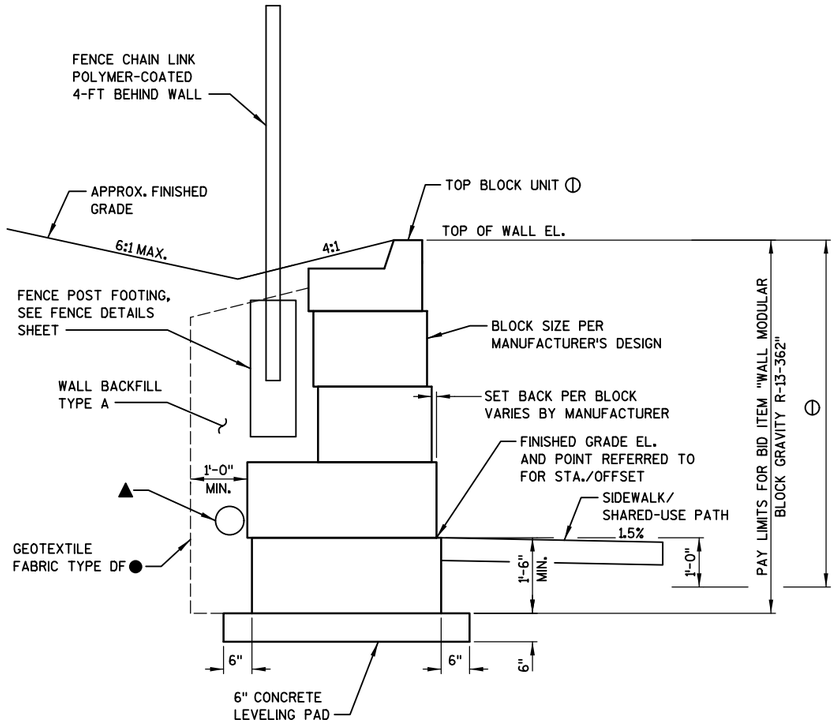
GENERAL PLAN & ELEVATION

SHEET 1 OF 4
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WALL MODULAR BLOCK GRAVITY TYPICAL SECTION

PRECAST MODULAR BLOCK TEXTURE SHALL BE SELECTED BY CITY FROM MANUFACTURER'S STANDARD OPTIONS.

▲ UNDERDRAIN. SLOPE 0.5% MIN. TO INLET NEAR EAST END OF WALL. ATTACH END CAP AT WEST END OF UNDERDRAIN.

● GEOTEXTILE FABRIC SHALL COMPLETELY SEPARATE WALL BACKFILL TYPE A FROM BACKFILL ON ALL SIDES.

ⓘ CONCRETE STAINING MULTI-COLOR REQUIRED.

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	EVALUATED LOCATIONS
WALL HEIGHT (FEET)[1]	5.6
EXPOSED WALL HEIGHT (FEET)	4.1
WALL STATION	10+80
BORING USED	B-1
CAPACITY TO DEMAND RATIO (CDR)[2,3]	
SLIDING (CDR>1.0)	1.69
ECCENTRICITY (CDR>1.0)	1.94
OVERALL STABILITY (CDR>1.0)	1.75
BEARING RESISTANCE (CDR>1.0)	2.23
FACTORED BEARING RESISTANCE (PSF)	3,000

NOTES:
1. THE WALL HEIGHT INCLUDES AN EMBEDMENT OF 1.5 FT.
2. THE WALL STABILITY EVALUATION INCLUDED A SURCHARGE LOAD OF 100 PSF.
3. CDR VALUES ARE PRESENTED IN CHAPTER 14 OF THE WISDOT BRIDGE MANUAL.
* FINAL DESIGN FOR SLIDING, ECCENTRICITY, AND BEARING RESISTANCE IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

NOTES:
1. THE PROJECT SOILS ENGINEER SHOULD REVIEW THE SUBSURFACE CONDITIONS PRIOR TO CONSTRUCTION OF THE WALLS TO DETERMINE IF THE SOILS HAVE THE MINIMUM BEARING STRENGTH SHOWN IN THE TABLE ABOVE.

2. FINAL DESIGN FOR SLIDING, ECCENTRICITY, AND BEARING RESISTANCE AT OTHER WALL STATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

SOIL PARAMETERS

STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT	FRICTION ANGLE (DEGREES)	COHESION (PSF)
GRANULAR BACKFILL (REINFORCING ZONE OR BACKFILL)	120	30	0
STIFF LEAN CLAY RETAINED SOIL *	120	28	100
BOR B-1			
EXISTING SAND FILL ELEV. 1019.8-1016.8	120	30	0
STIFF LEAN CLAY ELEV. 1016.8-1013.8	115	28	100
LOOSE SILTY SAND ELEV. 1013.8-1007.8	115	29	0
MEDIUM DENSE SAND ELEV. 1007.8-1004.8	120	31	0

* DESIGN WALL FOR THESE VALUES.

GEOMETRY TABLE

WALL STATION	TOP OF WALL ELEV.	FINISHED GRADE ELEV.
10+00.00	1022.50	1021.93
10+10.00	1023.50	1021.43
10+20.00	1023.50	1020.96
10+30.00	1023.50	1020.53
10+40.00	1023.50	1020.17
10+50.00	1023.50	1019.88
10+60.00	1023.50	1019.66
10+70.00	1023.50	1019.51
10+80.00	1023.50	1019.37
10+90.00	1021.75	1019.27
11+00.00	1020.00	1019.20

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

THE PLAN QUANTITY FOR THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-362" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

ALL DIMENSIONS AND STATIONING ARE ALONG THE FRONT FACE OF WALL AT FINISHED GROUND, UNLESS OTHERWISE SHOWN.

A NAME PLATE SHALL BE PLACED AS DIRECTED BY THE ENGINEER.

WET CAST BLOCKS ARE REQUIRED FOR THIS WALL.

FACE OF WALL SHALL HAVE A SIMULATED STONE TEXTURE TO PROVIDE THE APPEARANCE OF CUT NATURAL LIMESTONE.

PROVIDE CONCRETE STAINING MULTI-COLOR TO PRODUCE AN APPERANCE MIMICKING NATURAL LIMESTONE. STAINING COLORS SHALL BE:

BASE COLOR: AMS*33727
ACCENT COLORS: AMS*33697, AMS*33798

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	QUANTITY
517.1010.S	CONCRETE STAINING R-13-362	SF	450
517.1015.S	CONCRETE STAINING MULTI-COLOR R-13-362	SF	450
612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF	28
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	100
SPV.0090.08	FENCE CHAIN LINK POLYMER-COATED 4-FT R-13-362	LF	100
SPV.0165.11	WALL MODULAR BLOCK GRAVITY R-13-362	SF	450
	NON-BID ITEMS		
	NAME PLATE		

STATE PROJECT NUMBER

5992-11-01

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-362

DRAWN BY DTH | PLANS CK'D. BMO

TYP. SECTION, NOTES, QTY. & DESIGN DATA

SHEET 2
767

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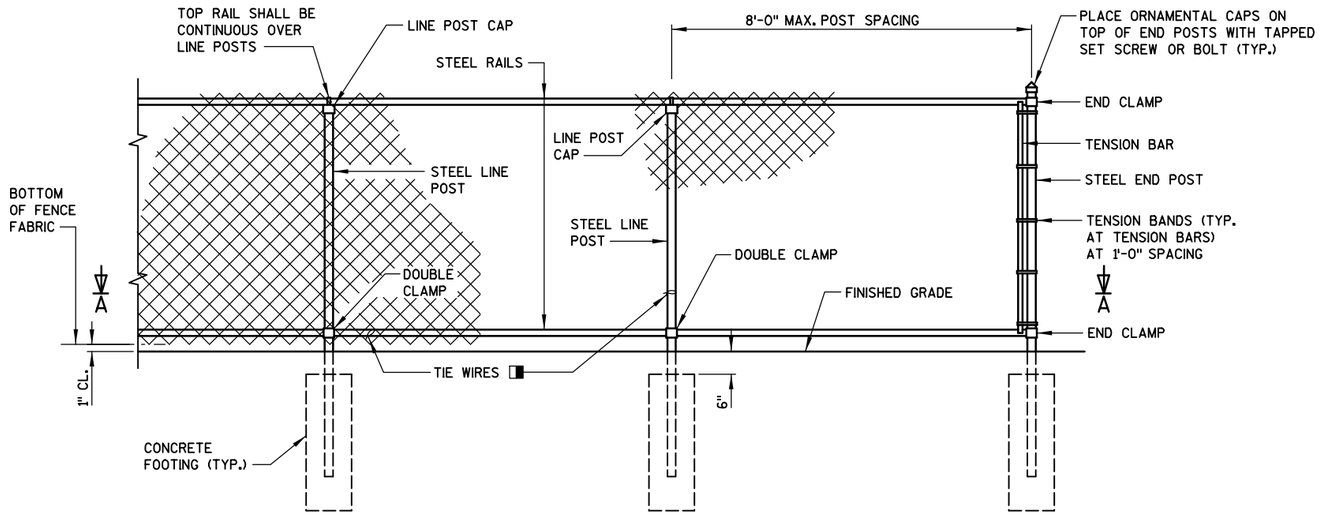
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STATE PROJECT NUMBER

5992-11-01

FENCE MEMBER SIZE & WEIGHT

STEEL FENCE MEMBER	OUTSIDE DIAMETER (INCHES)	WEIGHT (LB/FT)
RAILS	1.660	2.27
END POST	2.875	5.80
OVERHANG POST	2.875	5.80
LINE POST	2.375	3.65



FENCE PART ELEVATION

VIEWING FABRIC SIDE

GENERAL NOTES

THE BID ITEM SHALL BE "FENCE CHAIN LINK POLYMER-COATED 4-FT R-13-362". BID ITEM INCLUDES ALL ITEMS SHOWN.

POSTS ARE TO BE SET VERTICAL.

ALL FENCE COMPONENTS SHALL BE GALVANIZED STEEL WITH A COLORED POLYMER-COATING ON THE OUTSIDE.

FABRIC SHALL CONFORM TO ASTM F668, CLASS 2B. STEEL RAILS, POSTS AND POST SLEEVES SHALL CONFORM TO ASTM F1083, STANDARD WEIGHT PIPE (SCHEDULE 40). FITTINGS SHALL CONFORM TO ASTM F626. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

THE COLOR OF POLYMER-COATING FOR THIS STRUCTURE SHALL BE BLACK IN ACCORDANCE WITH ASTM F934.

COMPLETE ANY REQUIRED WELDING OF COMPONENTS BEFORE GALVANIZING.

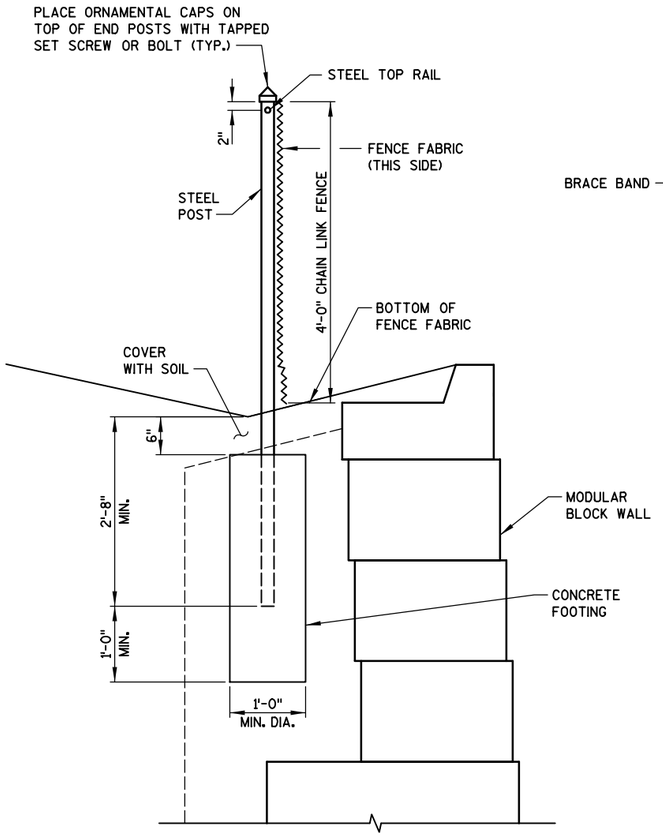
ALL POST SPACINGS ARE MEASURED HORIZONTALLY ALONG THE C/L OF THE POST.

✳ ALTERNATE TO DOUBLE CLAMP: USE LINE RAIL CLAMP (BOULEVARD) OR 180° BRACE BAND.

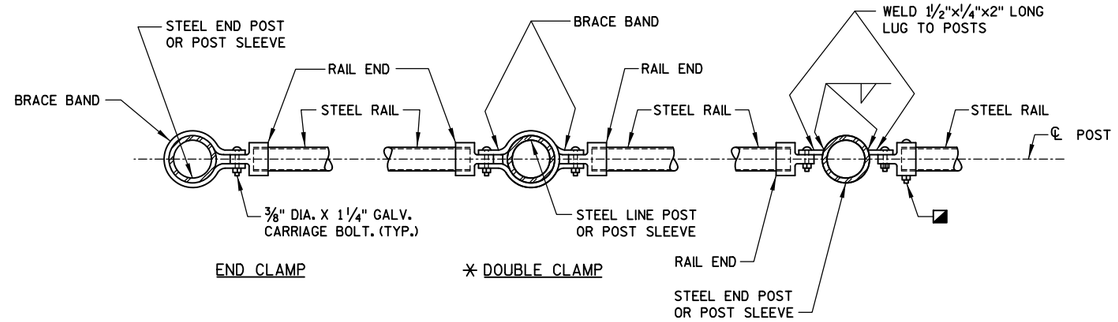
◪ BOLT RAIL TO RAIL END TO SECURE OVERHANG SECTION. ALTERNATE IS TO WELD RAIL DIRECTLY TO END POST.

MINIMUM LENGTH OF TOP RAIL BETWEEN SPLICES SHALL BE 20'-0". LOCATE SPLICES NEAR 1/4 POINT OF POST SPACING.

◨ ATTACH FABRIC TO RAILS AND TO POSTS WITHOUT TENSION BANDS, WITH TIE WIRES (ROUND, 9-GAGE) SPACED AT 1'-0".

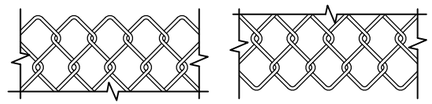


SECTION THRU FENCE



SECTION A-A

NOTE: PLACE ALL BOLT HEADS ON SIDE OF FENCE ADJACENT TO PEDESTRIANS



TOP DETAIL BOTTOM DETAIL

FENCE FABRIC

FENCE FABRIC WOVEN OF 9-GAGE WIRE IN 2" DIAMOND PATTERN MESH WITH BOTH THE TOP AND BOTTOM SELVAGES KNUCKLED.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-362

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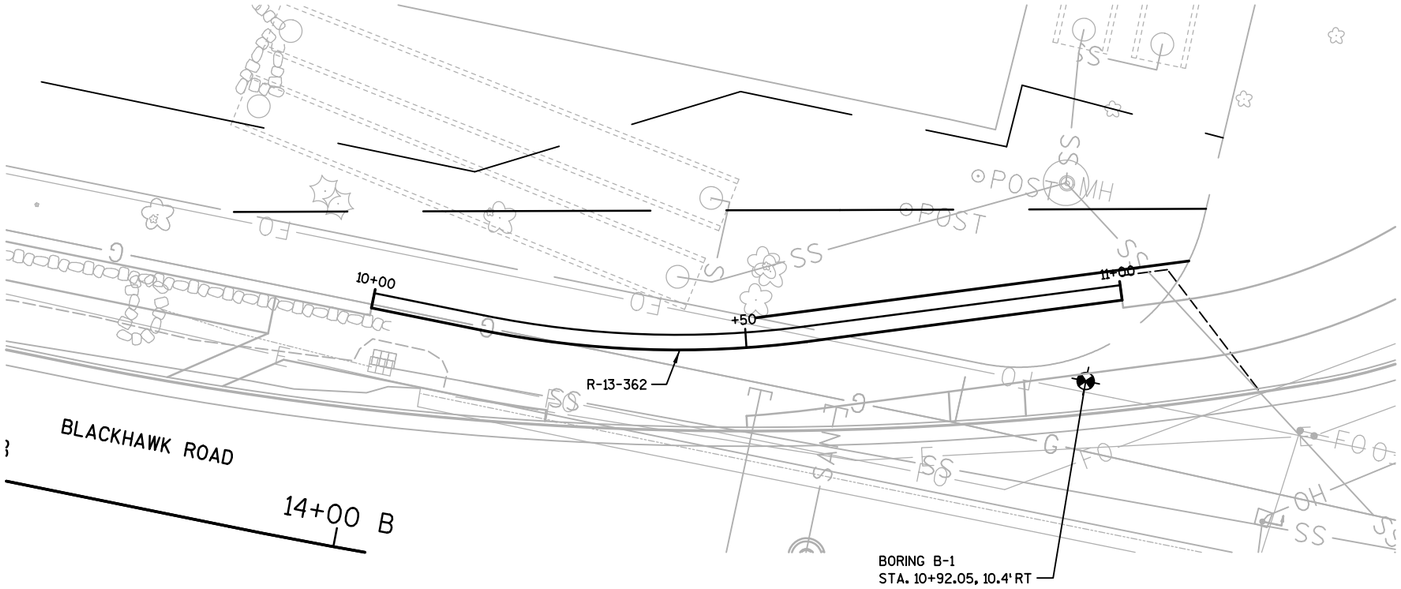
FENCE DETAILS

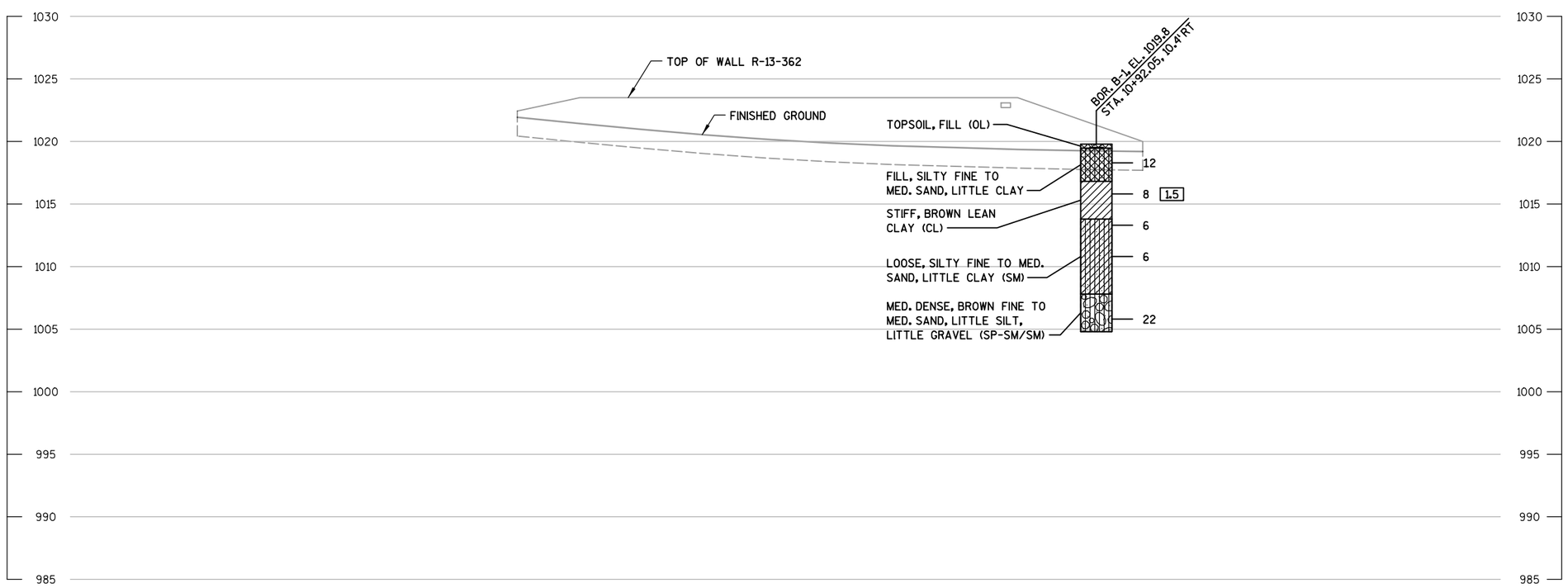
SHEET 3
768

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BORING PERFORMED BY BADGER STATE DRILLING ON 1/25/2021.

GEOTECHNICAL REPORT PREPARED BY:
CGC INC.
2921 PERRY STREET
MADISON, WI 53713





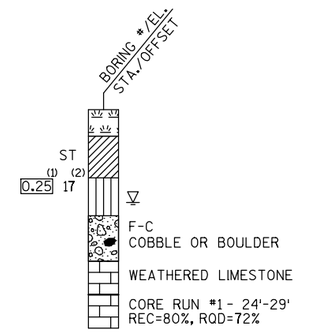
STATE PROJECT NUMBER

5992-11-01

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-362

DRAWN BY DTH | PLANS CK'D. BMO

SUBSURFACE EXPLORATION

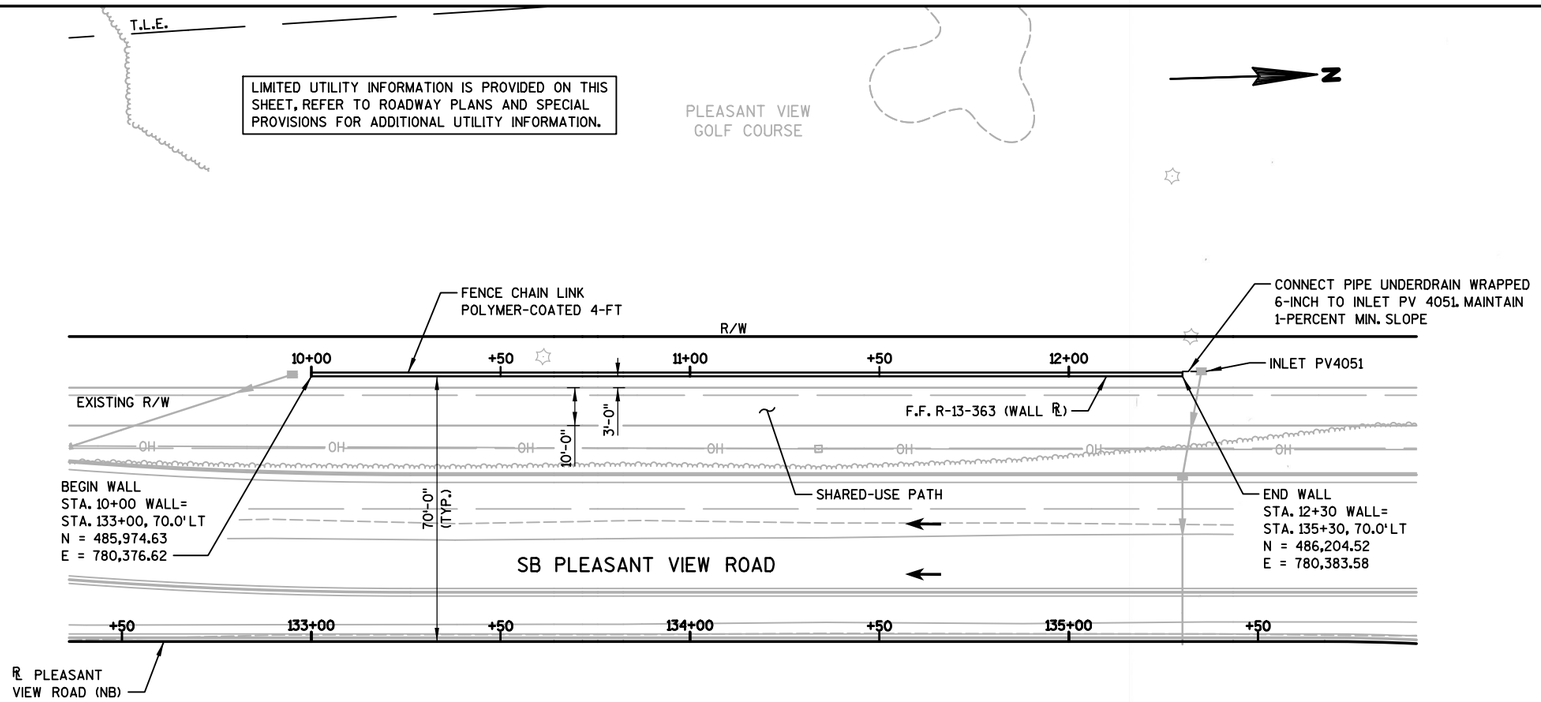
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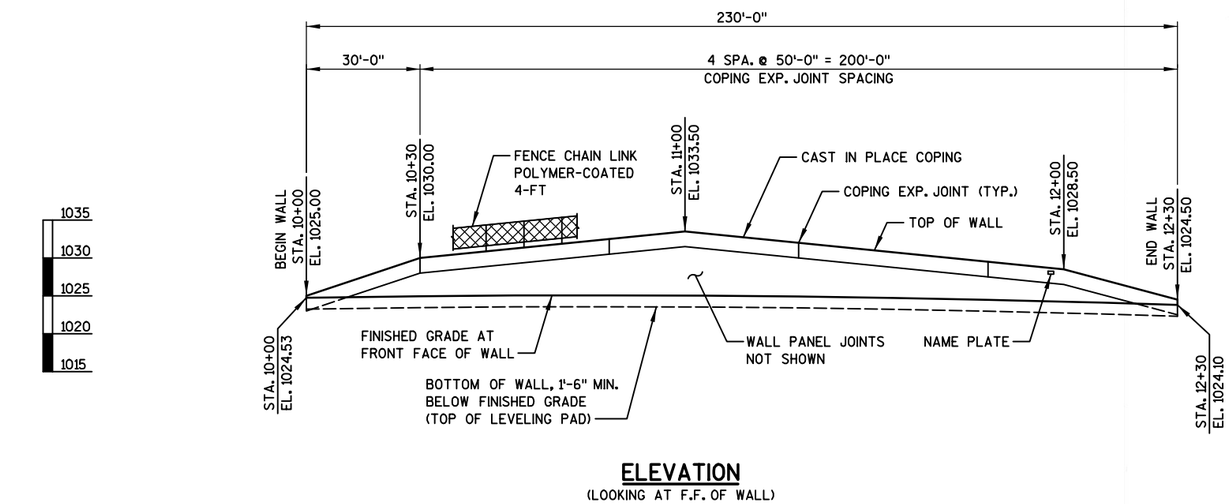
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PLAN
(MSE PANEL WALL)



ELEVATION
(LOOKING AT F.F. OF WALL)

STATE PROJECT NUMBER

5992-11-01

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHINCAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-13-363".

PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN IN THIS PLAN.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THE TYPICAL WALL SECTION AND ROADWAY CROSS SECTIONS.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 100 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL IN THE REINFORCED ZONE SHAL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

MATERIAL PROPERTIES

CONCRETE MASONRY, COPING _____ f'c = 3,500 PSI

HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60 _____ Fy = 60,000 PSI

PRECAST CONCRETE WALL PANELS _____ f'c = 4,000 PSI

LEGEND

F.F. = FRONT FACE
B.F. = BACK FACE
R/W = RIGHT-OF-WAY
T.L.E. = TEMPORARY LIMITED EASEMENT
℄ = REFERENCE LINE

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. WALL DETAILS, NOTES & QUANTITIES
3. SOIL DATA & AESTHETIC DETAILS
4. FENCE DETAILS
5. SUBSURFACE EXPLORATION

STRUCTURE DESIGN CONTACTS

BRIDGE OFFICE CONTACT:
AARON BONK (608) 261-0261

DESIGN CONSULTANT CONTACT:
BRETT OFTEDAHL (608) 251-4843

NO.	DATE	REVISION	BY

STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
MADISON, WISCONSIN 53715
(608)-251-4843
(608) 251-8655 FAX
WWW.STRAND.COM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED _____ SDR 02/23/22
CHIEF STRUCTURES DESIGN ENGINEER DATE

WISCONSIN
BRETT M. OFTEDAHL
E-41128
MADISON
WI
PROFESSIONAL ENGINEER
2/11/2022

STRUCTURE R-13-363

WALL ON NORTH SIDE OF PLEASANT VIEW ROAD

COUNTY: DANE
~~TOWN~~/CITY/~~VILLAGE~~: MIDDLETON

DESIGN SPEC.: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
ECB	BMO	ECB	BMO

GENERAL PLAN & ELEVATION

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STATE PROJECT NUMBER

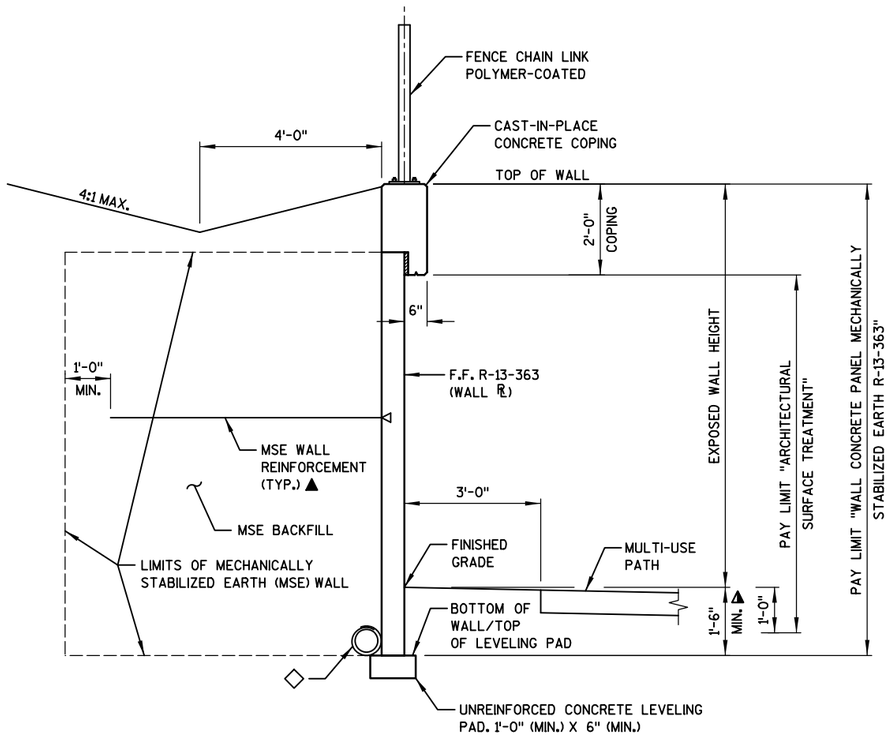
5992-11-01

GEOMETRY TABLE

WALL STATION	ROADWAY STATION	OFFSET TO F.F. WALL	TOP OF WALL ELEV.	FINISHED GRADE ELEV.
10+00.00	133+00.00	70.00	1025.00	1024.53
10+25.00	133+25.00	70.00	1029.17	1024.74
10+30.00	133+30.00	70.00	1030.00	1024.78
10+50.00	133+50.00	70.00	1031.00	1024.94
10+75.00	133+75.00	70.00	1032.25	1025.04
11+00.00	134+00.00	70.00	1033.50	1025.06
11+25.00	134+25.00	70.00	1032.25	1025.02
11+50.00	134+50.00	70.00	1031.00	1024.91
11+75.00	134+75.00	70.00	1029.75	1024.73
12+00.00	135+00.00	70.00	1028.50	1024.48
12+25.00	135+25.00	70.00	1025.17	1024.17
12+30.00	135+30.00	70.00	1024.50	1024.10

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	QUANTITY
517.1050.S	ARCHITECTURAL SURFACE TREATMENT R-13-363	SF	1010
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	235
SPV.0090.09	FENCE CHAIN LINK POLYMER-COATED 4-FT R-13-363	LF	230
SPV.0165.01	WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-13-363	SF	1585
	NON-BID ITEMS		
	EXPANDED POLYSTYRENE	SIZE	1"
	NAME PLATE		



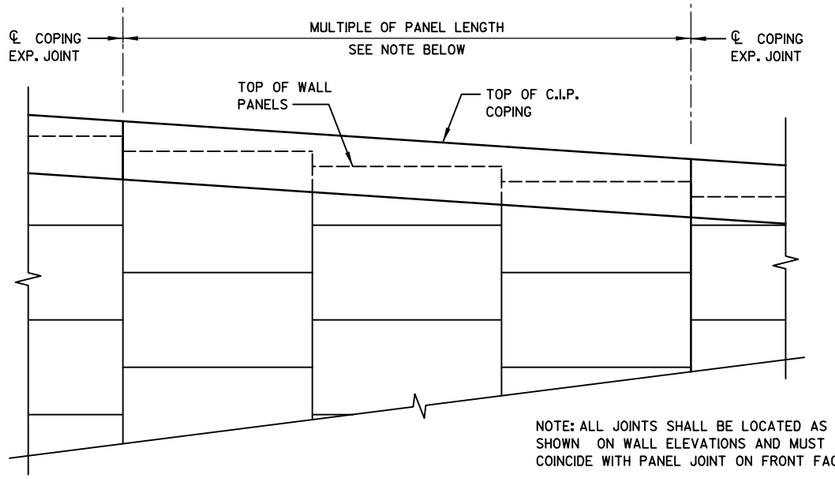
TYPICAL SECTION THRU MSE RETAINING WALL

LEGEND

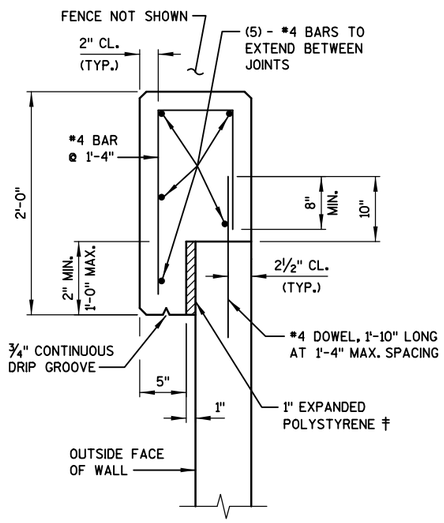
▲ MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS SHALL BE 70% OF THE TOTAL WALL HEIGHT (EXPOSED HEIGHT PLUS EMBEDMENT DEPTH) OR 8.0 FEET, WHICHEVER IS GREATER. SOIL REINFORCING MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.

◇ PIPE UNDERDRAIN WRAPPED (6-INCH) SLOPE 0.5% MIN. TO INLET AT NORTH END OF WALL.

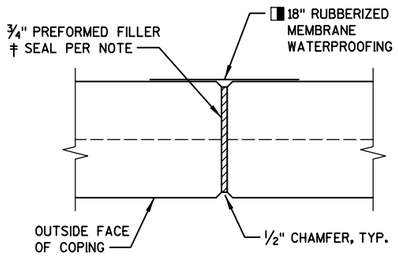
▲ MINIMUM EMBEDMENT BASED ON SITE SPECIFIC PARAMETERS (1'-6" MINIMUM FOR ALL WALLS ON LEVEL GROUND). FIELD EMBEDMENT SHALL MEET OR EXCEED THE MINIMUM EMBEDMENT. FIELD EMBEDMENT BELOW MINIMUM EMBEDMENT SHALL NOT BE INCLUDED IN THE PAY LIMITS.



C.I.P. COPING PARTIAL ELEVATION



CAST-IN-PLACE CONCRETE COPING DETAIL

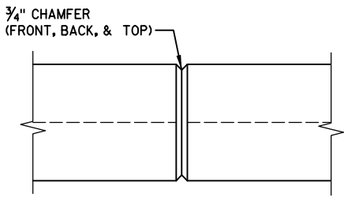


COPING EXPANSION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 50'

◨ MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO 6" BELOW TOP OF PANELS. MEMBRANE WATERPROOFING INCLUDED IN BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH".

† SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE.)



COPING CONTRACTION JOINT

DO NOT RUN BAR STEEL THRU JOINT. MAX. SPACING OF JOINT = 10'. SET JOINT LOCATION TO ALIGN WITH PANEL JOINT BELOW.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

THE PLAN QUANTITY FOR THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-13-363" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

ALL DIMENSIONS, STATIONS, AND OFFSETS ARE GIVEN AT THE FRONT FACE OF WALL UNLESS OTHERWISE SHOWN.

BAR STEEL REINFORCEMENT FOR CAST-IN-PLACE CONCRETE COPING SHALL BE EPOXY COATED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

BEVEL EXPOSED EDGES OF CONCRETE 3/4-INCH UNLESS NOTED OTHERWISE.

A NAME PLATE SHALL BE PLACED AS SHOWN, OR AS DIRECTED BY THE ENGINEER.

A GEOTECHNICAL REPORT HAS BEEN PREPARED FOR THIS STRUCTURE AND IS AVAILABLE UPON REQUEST.

THE PLANS AND DETAILS ARE BASED ON A NOMINAL PRECAST PANEL WIDTH OF 10'-0". IF THE FABRICATED PANEL SIZES DIFFER FROM PLAN DIMENSIONS, CONTRACTOR IS RESPONSIBLE TO COORDINATE REVISED JOINT LOCATIONS, REINFORCEMENT LENGTHS, RAILING REVISIONS AND ANY OTHER REVISIONS ASSOCIATED WITH USING A DIFFERENT PANEL SIZE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-363

DRAWN BY DTH | PLANS CK'D. BMO

WALL DETAILS, NOTES & QUANTITIES

SHEET 2
771

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STATE PROJECT NUMBER
5992-11-01

SOIL PARAMETERS

STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT	FRICTION ANGLE (DEGREES)	COHESION (PSF)
GRANULAR BACKFILL (REINFORCING ZONE OR BACKFILL)	120	30	0
GRANULAR RETAINED SOIL *	120	30	0
BOR B-2			
STIFF LEAN CLAY ELEV. 1032.4-1029.4	115	28	100
MEDIUM DENSE SAND ELEV. 1029.4-1011.4	125	32	0
BOR B-3			
EXISTING SAND FILL ELEV. 1037.2-1031.2	120	30	0
MEDIUM DENSE SAND ELEV. 1031.2-1010.2	125	32	0
VERY DENSE SAND (WEATHERED BEDROCK) ELEV. 1010.2-1008.2	130	40	0

* DESIGN WALL FOR THESE VALUES.

WALL EXTERNAL & OVERALL STABILITY EVALUATION

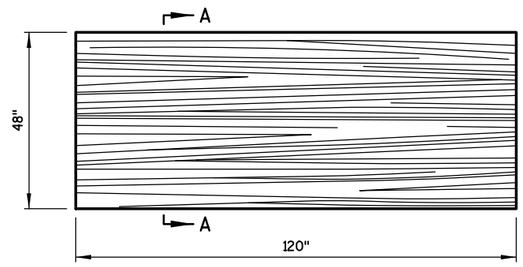
DIMENSIONS	EVALUATED LOCATIONS	
WALL HEIGHT (FEET)[1]	10.0	7.6
EXPOSED WALL HEIGHT (FEET)	8.4	6.1
■ MINIMUM LENGTH OF REINFORCEMENT (FEET)	9.5	8.5
WALL STATION	11+00	11+50
BORING USED	B-2	B-3
CAPACITY TO DEMAND RATIO (CDR)[2,3]		
SLIDING (CDR>1.0)	1.00	1.04
ECCENTRICITY (CDR>1.0)	2.75	3.30
OVERALL STABILITY (CDR>1.0)	1.32	1.41
BEARING RESISTANCE (CDR>1.0)	1.56	2.03
FACTORED BEARING RESISTANCE (PSF)	4,000	4,000

NOTES:
1. THE WALL HEIGHT INCLUDES AN EMBEDMENT OF 1.5 FT.
2. THE WALL STABILITY EVALUATION INCLUDED A TYPICAL SURCHARGE LOAD OF 100 PSF.
3. CDR VALUES ARE PRESENTED IN CHAPTER 14 OF THE WISDOT BRIDGE MANUAL.

■ THE LENGTHS PROVIDED IN THE TABLE ARE THE MINIMUM REQUIRED REINFORCEMENT LENGTHS BASED UPON THE MINIMUM DESCRIBED IN THE WALL SYSTEM SPECIAL PROVISIONS FOR EXTERNAL AND OVERALL STABILITY AT THE DESIGNATED LOCATIONS. THESE DESIGNATED LOCATIONS REPRESENT TYPICAL AND CRITICAL WALL LOCATIONS, BUT SHALL NOT BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR DESIGN LENGTHS SHALL MEET OR EXCEED THE MINIMUM VALUES REPRESENTED IN THE TABLE AT THESE DESIGNATED LOCATIONS. FINAL DESIGN FOR INTERNAL STABILITY AND EXTERNAL SLIDING AND ECCENTRICITY AT OTHER WALL STATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

NOTES:
1. ESTIMATED SETTLEMENT OF WALL IS 0.5" OR LESS.
2. THE PROJECT SOILS ENGINEER SHOULD REVIEW THE SUBSURFACE CONDITIONS PRIOR TO CONSTRUCTION OF THE WALLS TO DETERMINE IF THE SOILS HAVE THE MINIMUM BEARING STRENGTH SHOWN IN THE TABLE ABOVE.
3. FINAL DESIGN FOR SLIDING, ECCENTRICITY, AND BEARING RESISTANCE AT OTHER WALL STATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

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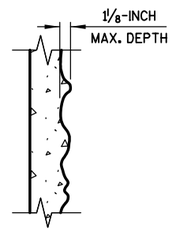
FORM LINER PATTERN

AESTHETIC DETAIL NOTES

PROVIDE FORM LINER AESTHETIC DETAILS AS SHOWN AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

FORM LINER COURSING SHALL BE LEVEL AND CONTINUOUS ACROSS VERTICAL WALL PANEL JOINTS.

FORM LINER PATTERN SHALL BE PATTERN 18030. RANDOM SMOOTH WAVE, FROM FITZGERALD FORMLINERS.



FORM LINER SECTION

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-363

DRAWN BY DTH | PLANS CK'D. BMO

SOIL DATA & AESTHETIC DETAILS

SHEET 3
772

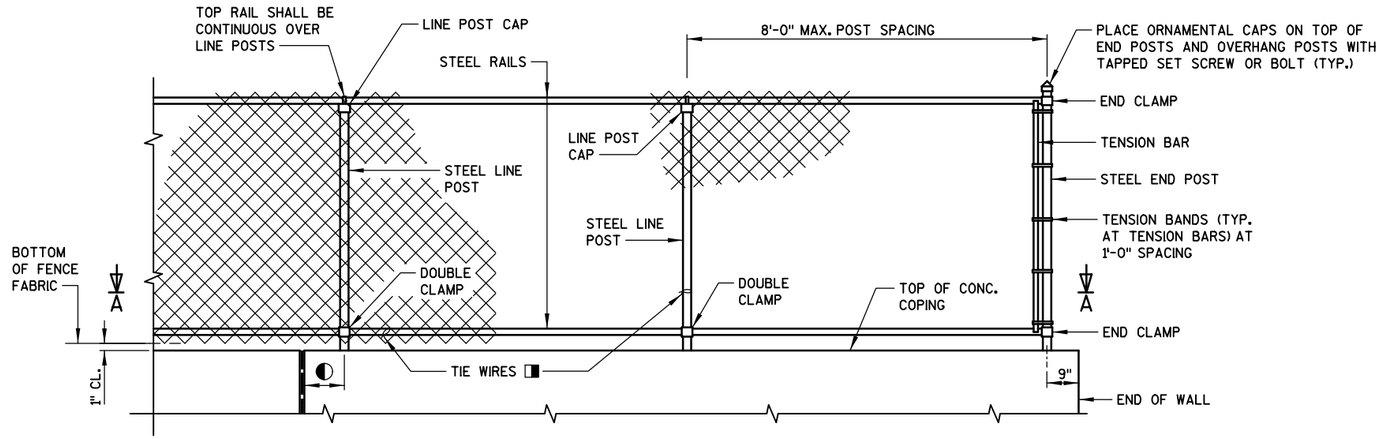
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STATE PROJECT NUMBER

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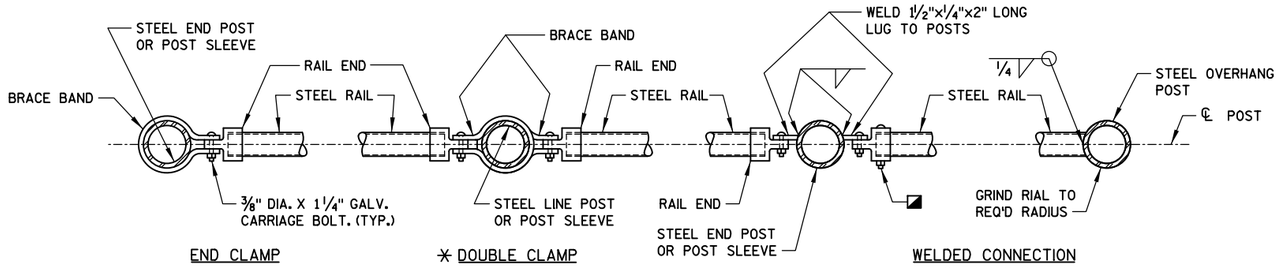
FENCE MEMBER SIZE & WEIGHT

STEEL FENCE MEMBER	OUTSIDE DIAMETER (INCHES)	WEIGHT (LB/FT)
RAILS	1.660	2.27
END POST	2.875	5.80
OVERHANG POST	2.875	5.80
LINE POST	2.375	3.65
POST SLEEVE	4.000	9.12



FENCE PART ELEVATION

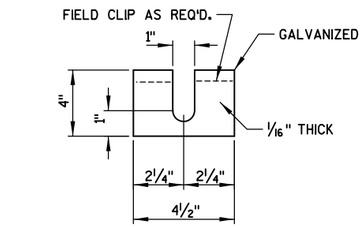
VIEWING FABRIC SIDE



END CLAMP ✳ DOUBLE CLAMP WELDED CONNECTION (AT OVERHANG SECTION)

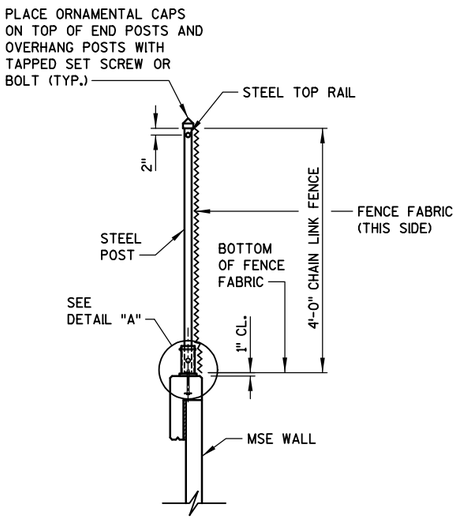
SECTION A-A

NOTE: PLACE ALL BOLT HEADS ON SIDE OF FENCE ADJACENT TO PEDESTRIANS

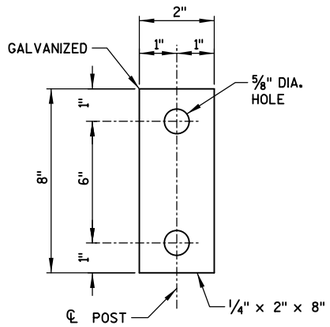


POST SHIM DETAILS

SHIMS REQUIRED ONLY WHEN END POSTS AND LINE POSTS ARE WELDED TO BASE PLATES. PROVIDE 4 SHIMS PER POST. USE WHERE REQUIRED FOR ALIGNMENT.

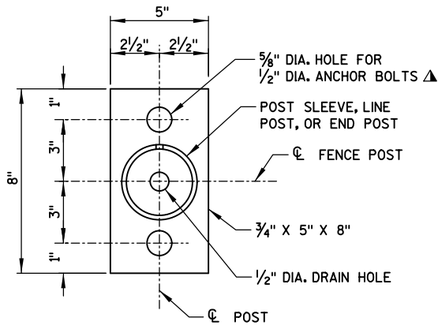


SECTION THRU FENCE

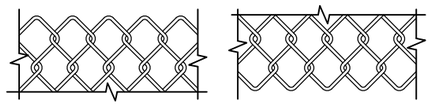


ANCHOR PLATE

☆ NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



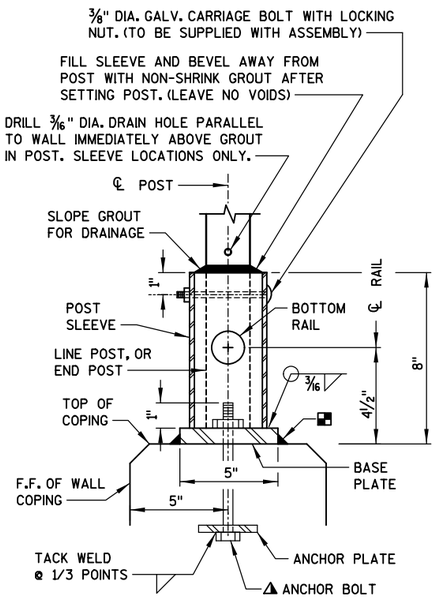
BASE PLATE



TOP DETAIL BOTTOM DETAIL

FENCE FABRIC

FENCE FABRIC WOVEN OF 9-GAGE WIRE IN 2" DIAMOND PATTERN MESH WITH BOTH THE TOP AND BOTTOM SELVAGES KNUCKLED.



DETAIL 'A'

UNIT SHALL BE GALVANIZED AFTER FABRICATION.
NOTE: IN LIEU OF USING THE POST SLEEVE, THE FENCE POST MAY BE WELDED TO THE BASE PLATE.

GENERAL NOTES

THE BID ITEM SHALL BE "FENCE CHAIN LINK POLYMER-COATED 4-FT R-13-363". BID ITEM INCLUDES ALL ITEMS SHOWN.

POSTS ARE TO BE SET VERTICAL.

ALL FENCE COMPONENTS SHALL BE GALVANIZED STEEL WITH A COLORED POLYMER-COATING ON THE OUTSIDE.

FABRIC SHALL CONFORM TO ASTM F668, CLASS 2B. STEEL RAILS, POSTS AND POST SLEEVES SHALL CONFORM TO ASTM F1083, STANDARD WEIGHT PIPE (SCHEDULE 40). FITTINGS SHALL CONFORM TO ASTM F626. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

THE COLOR OF POLYMER-COATING FOR THIS STRUCTURE SHALL BE BLACK IN ACCORDANCE WITH ASTM F934.

COMPLETE ANY REQUIRED WELDING OF COMPONENTS BEFORE GALVANIZING.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

BASE PLATES, ANCHOR PLATES AND SHIMS SHALL BE ASTM A709, GRADE 36.

ALL POST SPACINGS ARE MEASURED HORIZONTALLY ALONG THE C/L OF THE POST.

◪ CAULK AROUND PERIMETER OF BASE PLATE AND FILL PORTION OF SLOTTED HOLE AROUND ANCHOR BOLT IN SHIM WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

✳ ALTERNATE TO DOUBLE CLAMP: USE LINE RAIL CLAMP (BOULEVARD) OR 180° BRACE BAND, WHICH MAY BE USED WHEN THE POSTS ARE EITHER BOLTED TO THE POST SLEEVES OR DIRECTLY WELDED TO THE BASE PLATE.

⚠ ANCHOR BOLTS, NUTS AND WASHERS SHALL BE EITHER STAINLESS STEEL OR ASTM 307. IF 307 IS USED, ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED. ☆

☆ ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ½-INCH, EMBED 7" IN CONCRETE. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 AND 502.3.14 OF THE STANDARD SPECIFICATIONS.

◪ BOLT RAIL TO RAIL END TO SECURE OVERHANG SECTION. ALTERNATE IS TO WELD RAIL DIRECTLY TO END POST.

◐ 1'-0" MIN. DISTANCE BETWEEN CENTERLINE OF COPING JOINTS (BOTH EXPANSION AND CONTRACTION) AND CENTERLINE OF FENCE POSTS.

MINIMUM LENGTH OF TOP RAIL BETWEEN SPLICES SHALL BE 20'-0". LOCATE SPLICES NEAR ¼ POINT OF POST SPACING.

◨ ATTACH FABRIC TO RAILS AND TO POSTS WITHOUT TENSION BANDS, WITH TIE WIRES (ROUND, 9-GAGE) SPACED AT 1'-0".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-363

DRAWN BY DTH | PLANS CK'D. BMO

FENCE DETAILS

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773

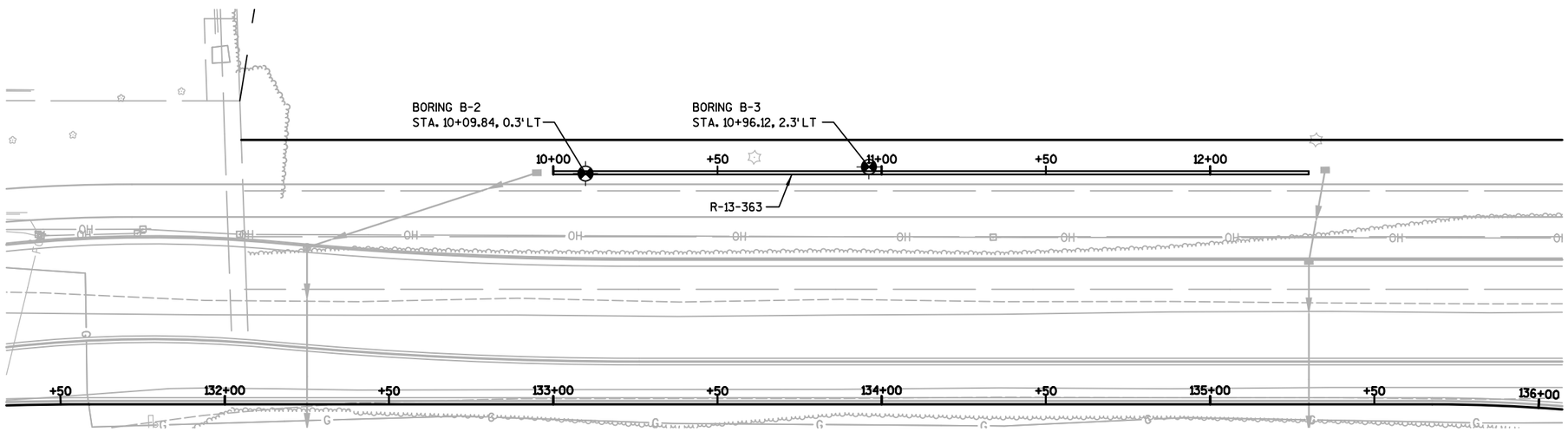
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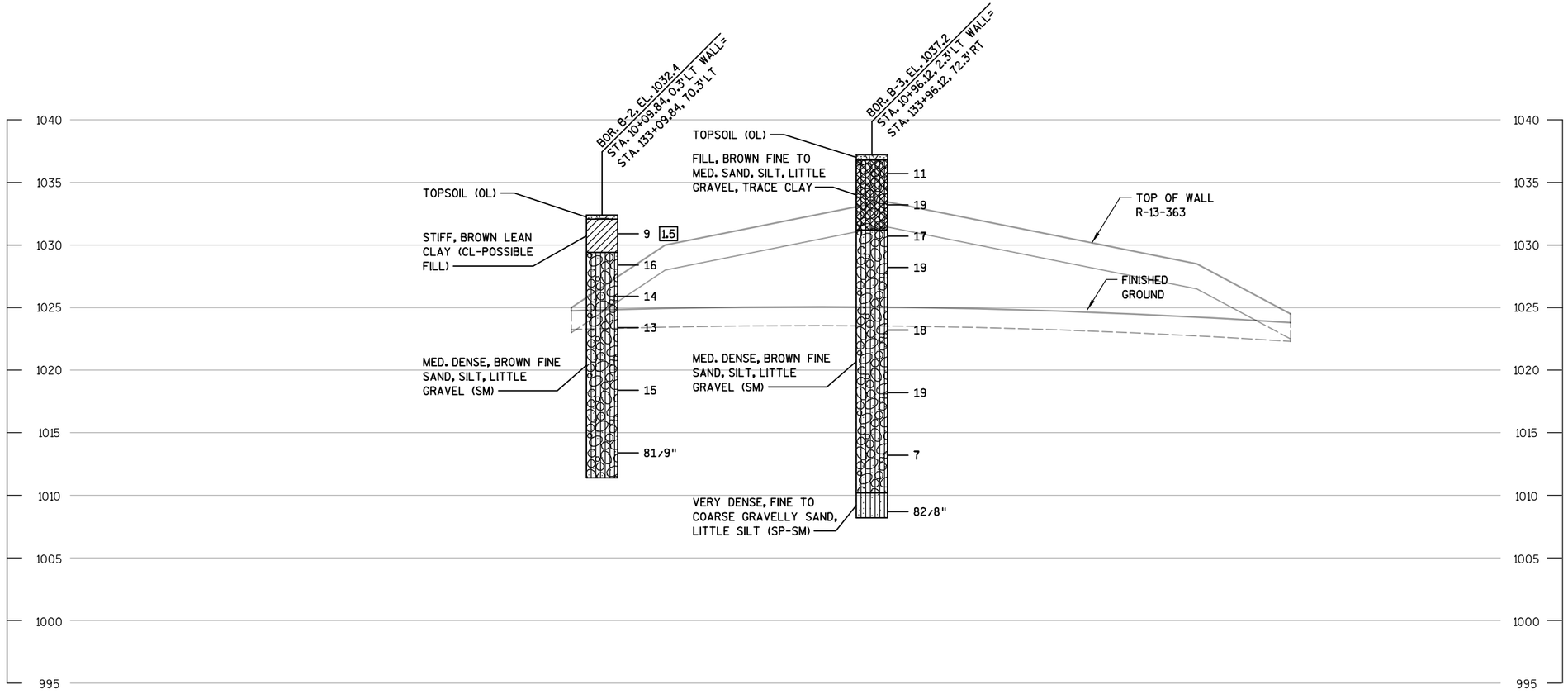
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BORINGS PERFORMED BY BADGER STATE DRILLING ON 1/25/2021.

GEOTECHNICAL REPORT PREPARED BY:
CGC INC.
2921 PERRY STREET
MADISON, WI 53713





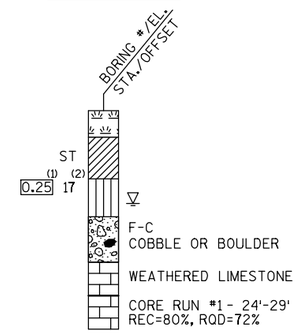
STATE PROJECT NUMBER

5992-11-01

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY occur.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-363

DRAWN BY DTH | PLANS CK'D. BMO

SUBSURFACE EXPLORATION

SHEET 5
774

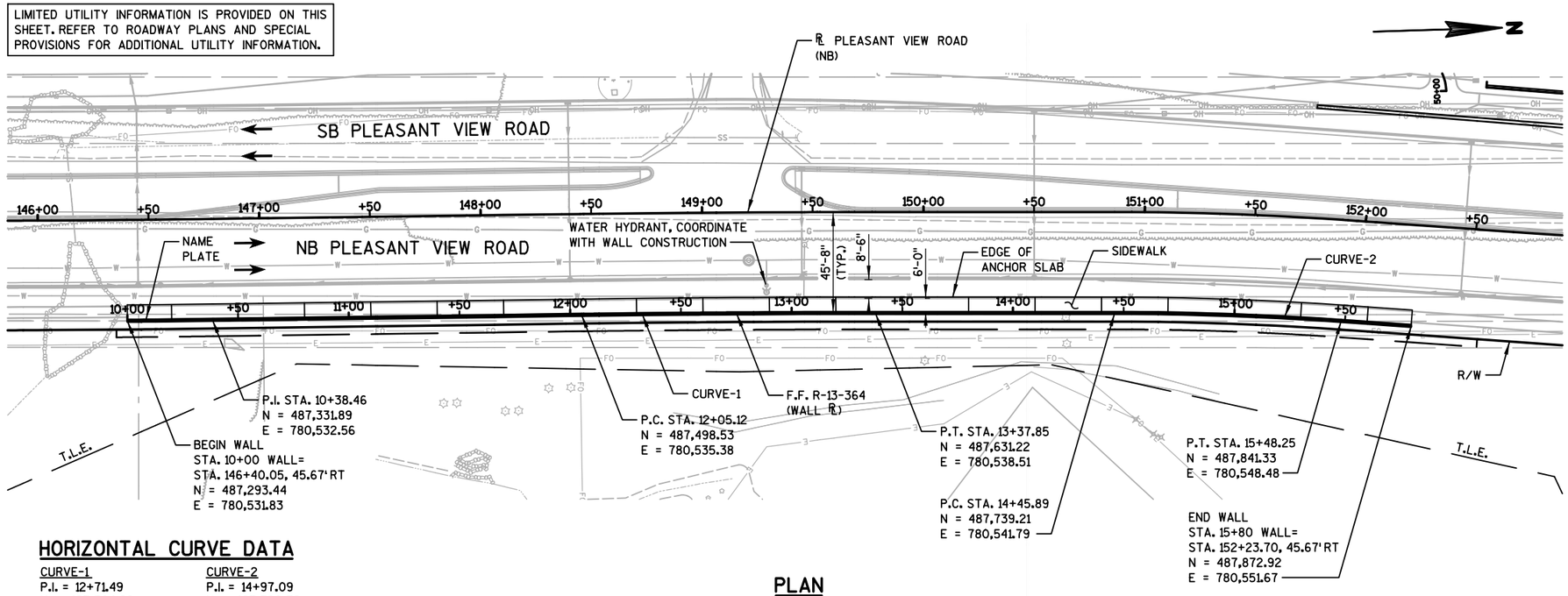
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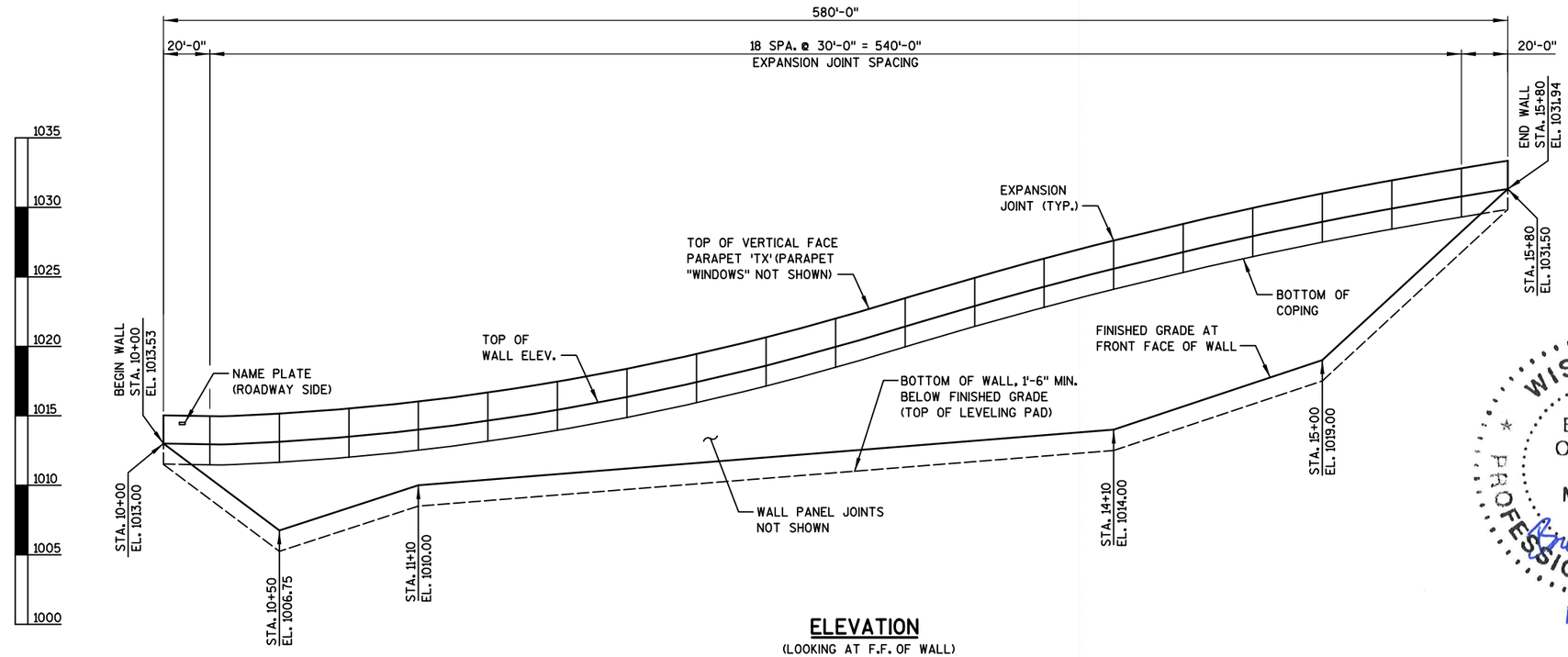
LIMITED UTILITY INFORMATION IS PROVIDED ON THIS SHEET. REFER TO ROADWAY PLANS AND SPECIAL PROVISIONS FOR ADDITIONAL UTILITY INFORMATION.



PLAN
(MSE PANEL WALL)

HORIZONTAL CURVE DATA

CURVE-1	CURVE-2
P.I. = 12+71.49	P.I. = 14+97.09
Y = 487,564.89	Y = 487,790.39
X = 780,536.50	X = 780,543.34
DELTA = 0°45'50" (RT)	DELTA = 4°01'58" (RT)
D = 0°34'32"	D = 3°56'23"
T = 66.37'	T = 51.20'
L = 132.73'	L = 102.36'
R = 9,954.33'	R = 1,454.33'
P.C. = 12+05.12	P.C. = 14+45.89
P.T. = 13+37.85	P.T. = 15+48.25



ELEVATION
(LOOKING AT F.F. OF WALL)

STATE PROJECT NUMBER

5992-11-01

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHINCAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-13-364".

PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN IN THIS PLAN.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED IN FRONT OF WALL AS SHOWN ON THE TYPICAL WALL SECTION AND ROADWAY CROSS SECTIONS.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL IN THE REINFORCED ZONE SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

MATERIAL PROPERTIES

CONCRETE MASONRY, RETAINING WALLS _____ f'c = 3,500 PSI

CONCRETE PARAPET _____ f'c = 4,000 PSI

HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60 _____ Fy = 60,000 PSI

PRECAST CONCRETE WALL PANELS _____ f'c = 4,000 PSI

LEGEND

F.F. = FRONT FACE
B.F. = BACK FACE
R/W = RIGHT-OF-WAY
T.L.E. = TEMPORARY LIMITED EASEMENT
℄ = REFERENCE LINE

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. WALL DETAILS, NOTES & QUANTITIES
3. SOIL DATA & WALL DETAILS
4. ANCHOR SLAB DETAILS
5. VERTICAL FACE PARAPET 'TX'
6. PARAPET DETAILS
7. SUBSURFACE EXPLORATION

STRUCTURE DESIGN CONTACTS

BRIDGE OFFICE CONTACT:
AARON BONK (608) 261-0261

DESIGN CONSULTANT CONTACT:
BRETT OFTEDAHL (608) 251-4843

WISCONSIN
BRETT M. OFTEDAHL
E-41123
MADISON
WI
PROFESSIONAL ENGINEER
12/1/21

NO.	DATE	REVISION	BY

STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
MADISON, WISCONSIN 53715
(608)-251-4843
(608) 251-8655 FAX
WWW.STRAND.COM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED _____ SDR 02/23/22
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-13-364

WALL ON SOUTH SIDE OF PLEASANT VIEW ROAD

COUNTY: DANE
~~TOWN~~/CITY ~~/VILLAGE~~: MIDDLETON

DESIGN SPEC.: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	ECB	DESIGN CK'D.	BMO	DRAWN BY	ECB	PLANS CK'D.	BMO

GENERAL PLAN & ELEVATION

SHEET 1 OF 7
775

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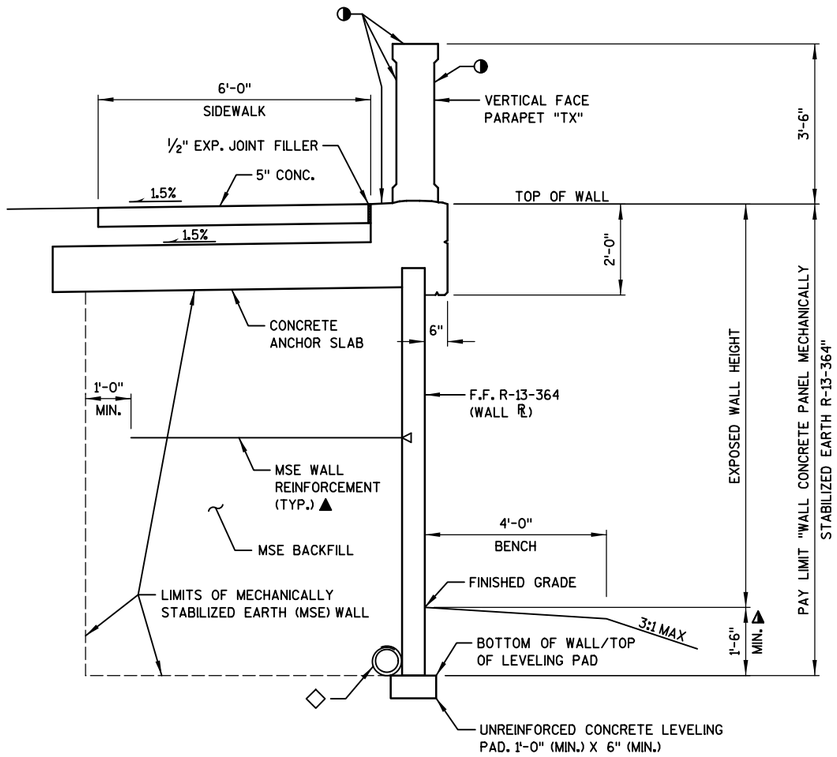
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TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	QUANTITY
502.3210	PIGMENTED SURFACE SEALER	SY	626
504.0500	CONCRETE MASONRY RETAINING WALLS	CY	191
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	16,265
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	25
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	590
SPV.0090.30	PARAPET CONCRETE TYPE 'TX'	LF	580
SPV.0165.02	WALL CONCRETE PANEL MECHANICALY STABILIZED EARTH, R-13-364	SF	5,130
	NON-BID ITEMS		
	EXPANDED POLYSTRENE	SIZE	1"
	CORK FILLER	SIZE	1"
	NAME PLATE		

WALL GEOMETRY TABLE

WALL STATION	ROADWAY STATION	OFFSET TO F.F. WALL	TOP OF WALL ELEV.	FINISHED GRADE ELEV.
10+00.00	146+40.05	45.67	1013.35	1013.00
10+25.00	146+65.05	45.67	1013.46	1009.88
10+50.00	146+89.87	45.67	1013.66	1006.75
10+75.00	147+14.87	45.67	1013.95	1008.11
11+00.00	147+39.87	45.67	1014.34	1009.46
11+10.00	147+49.87	45.67	1014.53	1010.00
11+25.00	147+64.87	45.67	1014.83	1010.20
11+50.00	147+89.87	45.67	1015.42	1010.54
11+60.00	147+99.87	45.67	1015.68	1010.67
11+75.00	148+14.87	45.67	1016.10	1010.87
12+00.00	148+39.87	45.67	1016.88	1011.20
12+25.00	148+64.96	45.67	1017.76	1011.53
12+50.00	148+90.08	45.67	1018.73	1011.87
12+60.00	149+00.13	45.67	1019.14	1012.00
12+75.00	149+15.20	45.67	1019.80	1012.20
13+00.00	149+40.31	45.67	1020.96	1012.53
13+25.00	149+65.42	45.67	1022.21	1012.87
13+50.00	149+90.48	45.67	1023.43	1013.20
13+60.00	150+00.48	45.67	1023.90	1013.33
13+75.00	150+15.48	45.67	1024.59	1013.53
14+00.00	150+40.48	45.67	1025.69	1013.87
14+10.00	150+50.48	45.67	1026.11	1014.00
14+25.00	150+65.48	45.67	1026.71	1014.84
14+50.00	150+90.61	45.67	1027.71	1016.23
14+75.00	151+16.40	45.67	1028.63	1017.62
15+00.00	151+42.18	45.67	1029.49	1019.00
15+25.00	151+67.97	45.67	1030.29	1022.91
15+50.00	151+93.70	45.67	1031.02	1026.82
15+75.00	152+18.70	45.67	1031.72	1030.72
15+80.00	152+23.70	45.67	1031.94	1031.50



TYPICAL SECTION THRU MSE RETAINING WALL

LEGEND

▲ MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS SHALL BE 70% OF THE TOTAL WALL HEIGHT (EXPOSED HEIGHT PLUS EMBEDMENT DEPTH) OR 8.0 FEET, WHICHEVER IS GREATER. SOIL REINFORCING MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.

◇ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

⚠ MINIMUM EMBEDMENT BASED ON SITE SPECIFIC PARAMETERS (1'-6" MINIMUM FOR ALL WALLS ON LEVEL GROUND). FIELD EMBEDMENT SHALL MEET OR EXCEED THE MINIMUM EMBEDMENT. FIELD EMBEDMENT BELOW MINIMUM EMBEDMENT SHALL NOT BE INCLUDED IN THE PAY LIMITS.

◑ APPLY PIGMENTED SURFACE SEALER TO INSIDE FACE, TOP, OUTSIDE FACE, AND ALL SIDES OF OPENINGS IN PARAPET.

STATE PROJECT NUMBER

5992-11-01

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

THE PLAN QUANTITY FOR THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-13-364" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

BID ITEM "PARAPET CONCRETE TYPE 'TX'" INCLUDES PAYMENT FOR CONCRETE MASONRY, BAR STEEL REINF. AND ALL ITEMS ASSOCIATED WITH THE PARAPET.

BAR STEEL REINFORCEMENT FOR CAST-IN-PLACE CONCRETE SHALL BE EPOXY COATED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE. DIMENSIONS FOR BENDING ARE OUT TO OUT OF BAR.

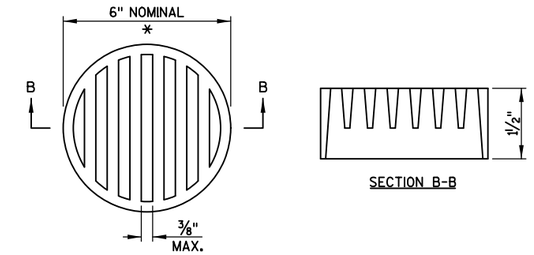
BEVEL EXPOSED EDGES OF CONCRETE ¾-INCH, UNLESS NOTED OTHERWISE.

ALL DIMENSIONS, STATIONS, AND OFFSETS ARE GIVEN AT THE FRONT FACE OF THE WALL, UNLESS OTHERWISE SHOWN.

A NAME PLATE SHALL BE PLACED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

A GEOTECHNICAL REPORT HAS BEEN PREPARED FOR THIS STRUCTURE AND IS AVAILABLE UPON REQUEST.

THE PLANS AND DETAILS ARE BASED ON A NOMINAL PRECAST PANEL WIDTH OF 10'-0". IF THE FABRICATED PANEL SIZES DIFFER FROM PLAN DIMENSIONS, CONTRACTOR IS RESPONSIBLE TO COORDINATE REVISED JOINT LOCATIONS, REINFORCEMENT LENGTHS, RAILING REVISIONS AND ANY OTHER REVISIONS ASSOCIATED WITH USING A DIFFERENT PANEL SIZE.



NOTES:

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND ATTACHMENT SCREWS SHALL BE INCLUDED WITH BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH."

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

RODENT SHIELD DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-364

DRAWN BY DTH | PLANS CK'D. BMO

WALL DETAILS, NOTES & QUANTITIES

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STATE PROJECT NUMBER
5992-11-01

SOIL PARAMETERS

STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT	FRICTION ANGLE (DEGREES)	COHESION (PSF)
GRANULAR BACKFILL (REINFORCING ZONE OR BACKFILL)	120	30	0
COHESIVE RETAINED SOIL*	120	30	0
BOR B-4			
EXISTING CLAY FILL ELEV. 1007.6-1002.6	115	28	100
LOOSE TO DENSE SILT ELEV. 1002.6-992.6	115	32	0
BOR B-5			
EXISTING CLAY FILL ELEV. 1010.9-1007.4	115	28	100
MEDIUM DENSE SILT ELEV. 1007.4-995.9	115	32	0
BOR B-6			
EXISTING SAND FILL ELEV. 1010.8-1007.8	120	30	0
LOOSE TO MEDIUM DENSE SAND ELEV. 1007.8-1002.3	120	32	0
MEDIUM DENSE SILT ELEV. 1002.3-990.8	115	32	0
BOR B-7			
STIFF LEAN CLAY (POSSIBLE FILL) ELEV. 1019.3-1013.3	115	28	100
MEDIUM DENSE SAND ELEV. 1013.3-1006.8	120	32	0
MEDIUM DENSE SILT ELEV. 1006.8-1004.3	115	30	0

* DESIGN WALL FOR THESE VALUES.

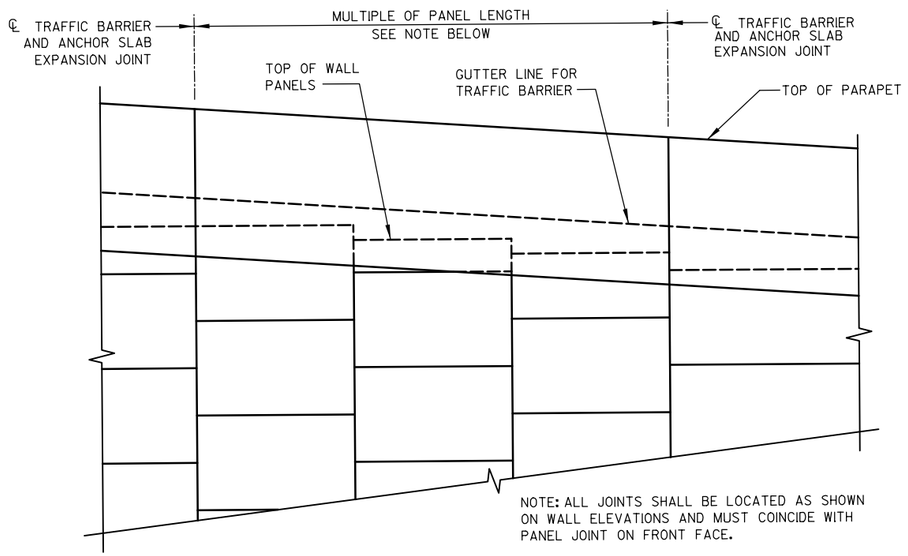
WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	EVALUATED LOCATIONS			
WALL HEIGHT (FEET)[1]	8.4	6.5	13.6	12.0
EXPOSED WALL HEIGHT (FEET)	6.9	5.0	12.1	10.5
■ MINIMUM LENGTH OF REINFORCEMENT (FEET)	8.0	8.5	11.5	10.5
WALL STATION	10+50	11+60	14+10	15+00
BORING USED	B-4	B-5	B-6	B-7
CAPACITY TO DEMAND RATIO (CDR)[2,3]				
SLIDING (CDR>1.0)	1.03	1.20	1.01	1.01
ECCENTRICITY (CDR>1.0)	2.06	3.00	1.83	1.83
OVERALL STABILITY (CDR>1.0)	1.01	1.52	1.03	1.18
BEARING RESISTANCE (CDR>1.0)[(2)]	1.84	2.40	1.18	1.32
FACTORED BEARING RESISTANCE (PSF)	4,000	4,000	4,000	4,000

NOTES:
1. THE WALL HEIGHT INCLUDES AN EMBEDMENT OF 1.5 FT.
2. THE WALL STABILITY EVALUATION INCLUDED A SURCHARGE LOAD OF 240 PSF.
3. CDR VALUES ARE PRESENTED IN CHAPTER 14 OF THE WISDOT BRIDGE MANUAL.

■ THE LENGTHS PROVIDED IN THE TABLE ARE THE MINIMUM REQUIRED REINFORCEMENT LENGTHS BASED UPON THE MINIMUM DESCRIBED IN THE WALL SYSTEM SPECIAL PROVISIONS FOR EXTERNAL AND OVERALL STABILITY AT THE DESIGNATED LOCATIONS. THESE DESIGNATED LOCATIONS REPRESENT TYPICAL AND CRITICAL WALL LOCATIONS, BUT SHALL NOT BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR DESIGN LENGTHS SHALL MEET OR EXCEED THE MINIMUM VALUES REPRESENTED IN THE TABLE AT THESE DESIGNATED LOCATIONS. FINAL DESIGN FOR INTERNAL STABILITY AND EXTERNAL SLIDING AND ECCENTRICITY AT OTHER WALL STATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

NOTES:
1. THE SETTLEMENT OF THE FOUNDATION WAS ESTIMATED TO BE 1.8 INCHES OR LESS.
2. THE PROJECT SOILS ENGINEER SHALL REVIEW THE SUBSURFACE CONDITIONS PRIOR TO CONSTRUCTION OF THE WALL TO DETERMINE IF THE SOILS HAVE THE MINIMUM BEARING RESISTANCE SHOWN IN THE TABLE ABOVE.



C.I.P. TRAFFIC BARRIER PARTIAL ELEVATION

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-364

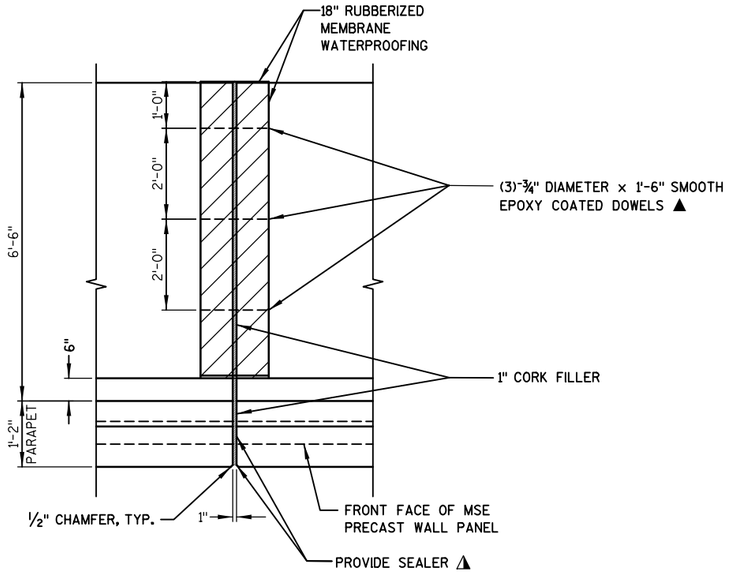
DRAWN BY DTH | PLANS CK'D. BMO

SOIL DATA & WALL DETAILS

SHEET 3
777

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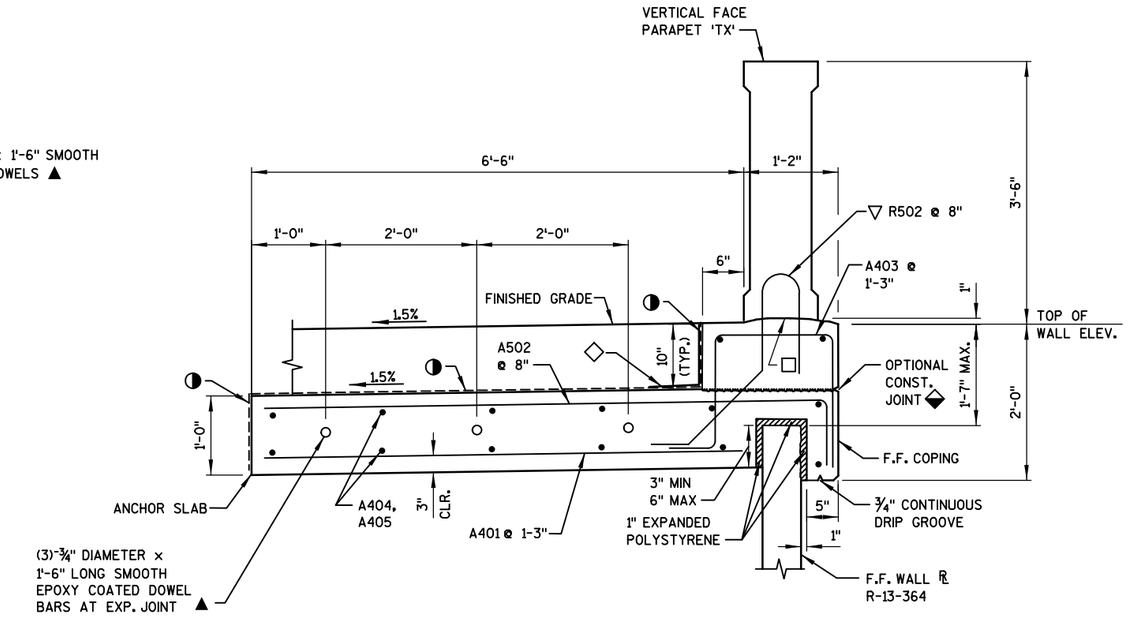
STATE PROJECT NUMBER
5992-11-01



ANCHOR SLAB EXPANSION JOINT - PLAN VIEW

LOCATE ANCHOR SLAB EXPANSION JOINTS OVER WALL JOINTS.

DO NOT RUN BAR STEEL THRU JOINT, EXCEPT FOR DOWELS AS SHOWN. JOINT TO EXTEND FULL DEPTH OF PARAPET AND ANCHOR SLAB.

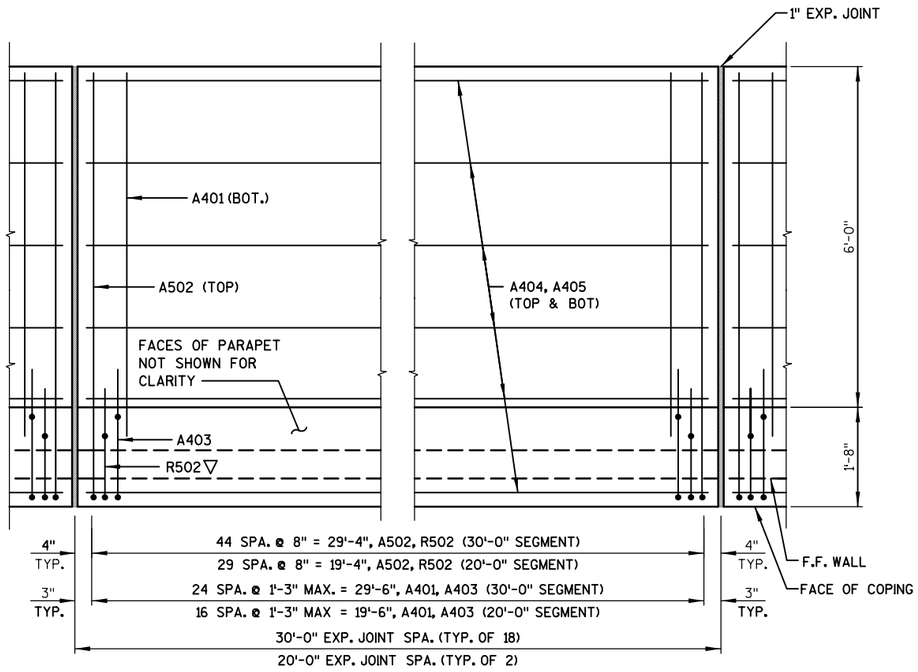


CAST-IN-PLACE CONCRETE TRAFFIC BARRIER DETAIL

CONCRETE QUANTITY BASED ON 3 INCH PANEL EMBEDMENT

LEGEND:

- ▲ ¾" DIA. SMOOTH DOWEL BARS, 1'-6" LONG, AT EXPANSION JOINT. EMBED 9". USE APPROVED DEBONDER ON ½ THE BAR LENGTH. COST INCLUDED IN "CONCRETE MASONRY RETAINING WALLS". DOWELS SHALL BE PLACED AT MID-DEPTH OF SLAB.
- ◭ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).
- ◐ 18" RUBBERIZED MEMBRANE WATERPROOFING TO BE PLACED ON THESE SURFACES AT EACH JOINT.
- ◇ IF OPT. CONST. JOINT IS USED, PLACE 18" MEMBRANE WATERPROOFING ALONG THE ENTIRE LONGITUDINAL JOINT. THE MEMBRANE WATERPROOFING SEALING THE OPT. CONST. JOINT IS INCLUDED IN THE BID ITEM "CONCRETE MASONRY RETAINING WALLS."
- ◆ PROVIDE ¾" V-GROOVE IF OPTIONAL CONST. JOINT IS USED.
- □ CONST. JOINT - STRIKE OFF AS SHOWN AND LEAVE ROUGH.
- ▽ R502 BARS TO BE TIED TO ANCHOR SLAB STEEL BEFORE ANCHOR SLAB IS POURED. SEE PARAPET DETAILS SHEET FOR R502 BAR DETAILS.



ANCHOR SLAB REINFORCING PLAN

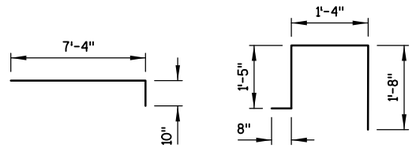
BILL OF BARS

FOR ANCHOR SLAB

TOTAL COATED= 16,265 LBS

BAR MARK	COAT	QTY	LENGTH	BENT	LOCATION
A401	X	484	6'-3"		ANCHOR SLAB - TRANS. BOT.
A502	X	870	8'-1"	X	ANCHOR SLAB - TRANS. TOP
A403	X	484	4'-10"	X	ANCHOR SLAB - VERTICAL
A404	X	252	29'-7"		ANCHOR SLAB - LONG. T & B - 30'-0" EXP. JOINT
A405	X	28	19'-7"		ANCHOR SLAB - LONG. T & B - 20'-0" EXP. JOINT

NUMBER REQUIRED AND LENGTH SHOWN FOR QUANTITY PURPOSES ONLY. CONTRACTOR TO DETERMINE ACTUAL LENGTHS AND NUMBER OF BARS AFTER MSE PANELS HAVE BEEN LAID OUT BY THE WALL SUPPLIER. THE PARAPET AND ANCHOR SLAB EXPANSION JOINTS MUST COINCIDE WITH PANEL JOINT ON FRONT FACE. PROVIDE 2" CLEAR COVER AT EXPANSION JOINTS.



A502 A403

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STATE OF WISCONSIN
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STRUCTURE R-13-364

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ANCHOR SLAB DETAILS

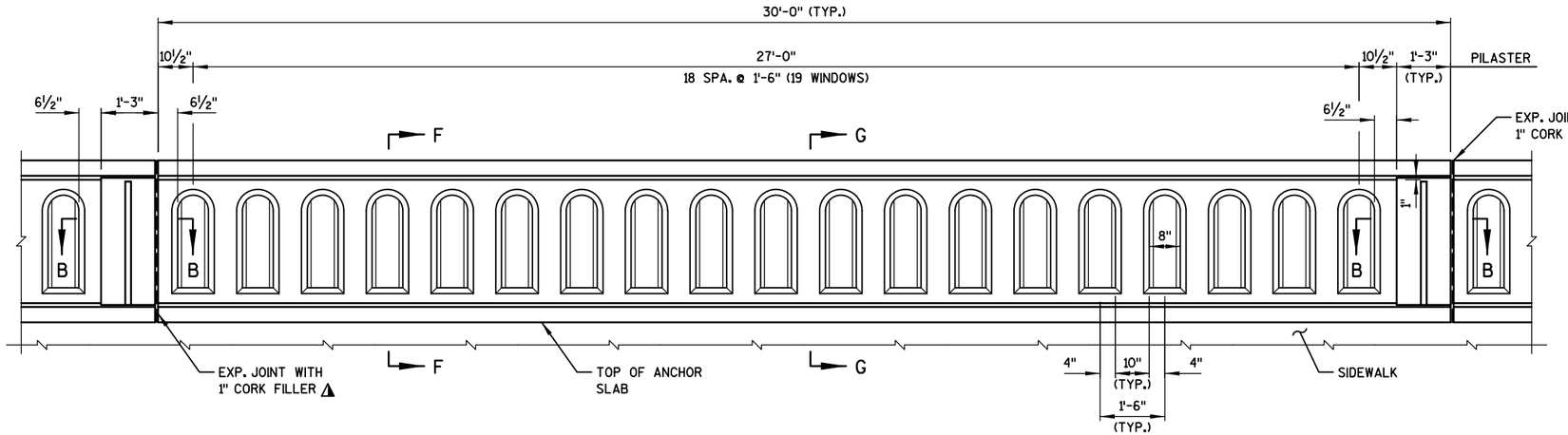
SHEET 4
778

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STATE PROJECT NUMBER
5992-11-01



NOTES

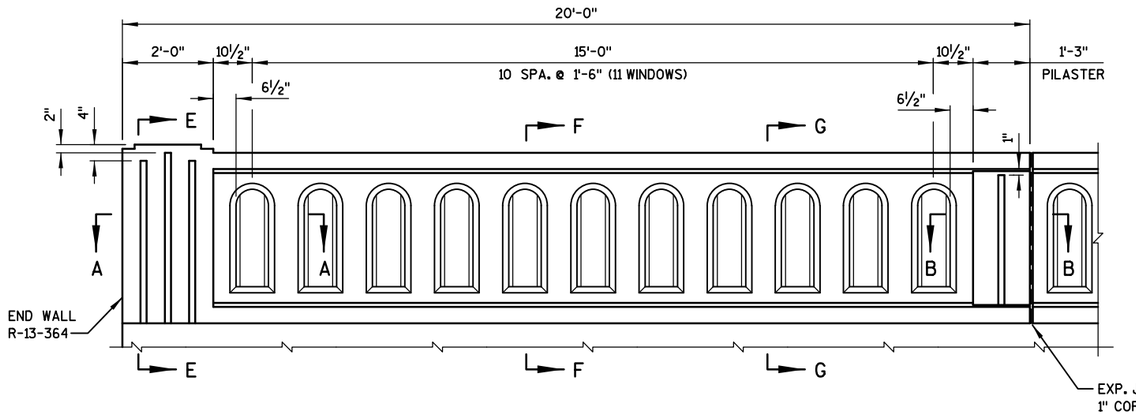
BID ITEM SHALL BE "PARAPET CONCRETE TYPE 'TX'", WHICH SHALL INCLUDE ALL ITEMS SHOWN.

SEE PARAPET DETAILS SHEET FOR REINFORCEMENT DETAILS.

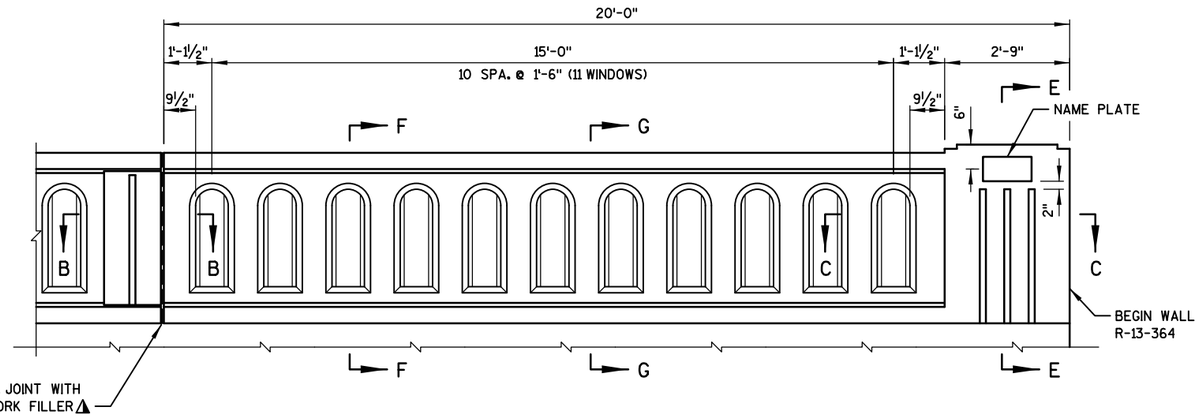
LEGEND

⚠ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).

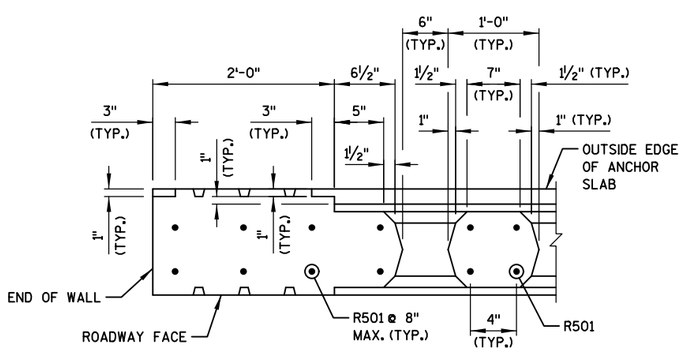
TYPICAL INSIDE ELEVATION



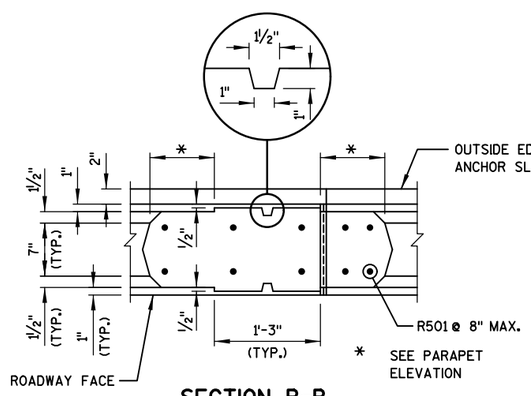
NORTH END INSIDE ELEVATION



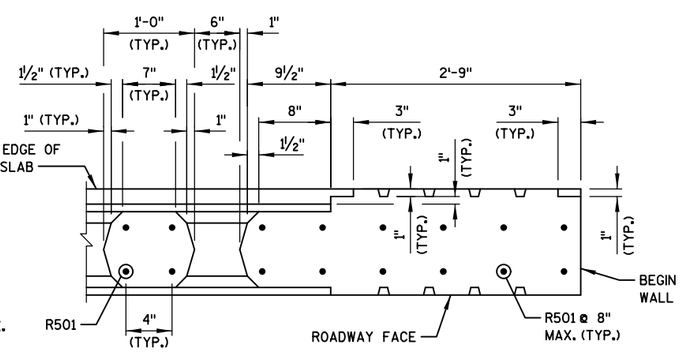
SOUTH END INSIDE ELEVATION



SECTION A-A



SECTION B-B



SECTION C-C

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-364

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VERTICAL FACE PARAPET 'TX'

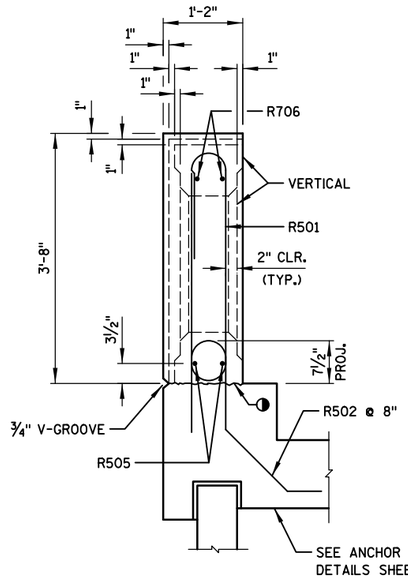
SHEET 5
779

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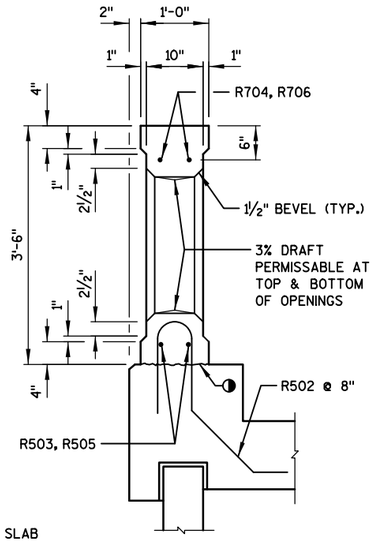
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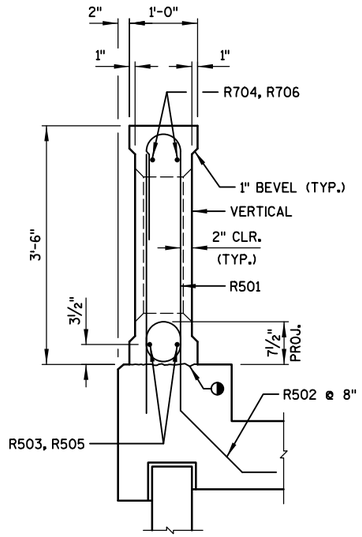
STATE PROJECT NUMBER
5992-11-01



SECTION E-E



SECTION F-F



SECTION G-G

LEGEND

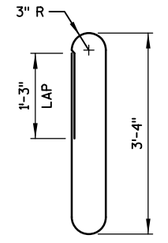
◑ COST. JOINT, STRIKE OFF AS SHOWN AND LEAVE.

BILL OF BARS

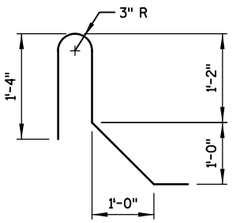
TOTAL COATED = 15,020 LBS.*

BAR MARK	COAT	QTY.	LENGTH	BENT	LOCATION
R501	X	793	8'-6"	X	PARAPET VERT.
R502	X	870	4'-11"	X	ANCHOR SLAB/PARAPET VERT.
R503	X	36	29'-7"		PARAPET HORIZ. BOT., (30' SECTION)
R704	X	36	29'-7"		PARAPET HORIZ. TOP (30' SECTION)
R505	X	4	19'-7"		PARAPET HORIZ. BOT. @ 20' END SECTION
R706	X	4	19'-7"		PARAPET HORIZ. TOP @ 20' END SECTION

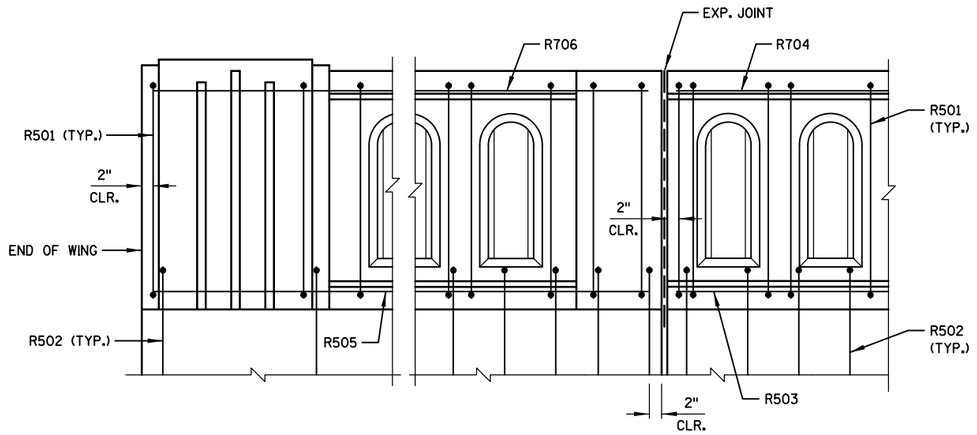
* QUANTITY IS PROVIDED FOR INFORMATION ONLY. BAR STEEL REINF. IS INCLUDED IN BID ITEM "PARAPET CONCRETE TYPE 'TX'".



R501



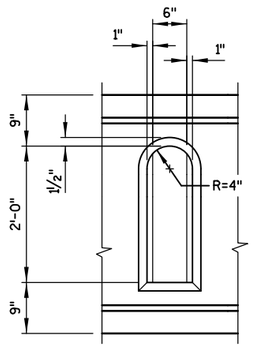
R502



20' END SECTION

TYP. 30' SECTION

OUTSIDE ELEVATION SHOWING TYPICAL REINFORCEMENT PLACEMENT



WINDOW DETAILS

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-364

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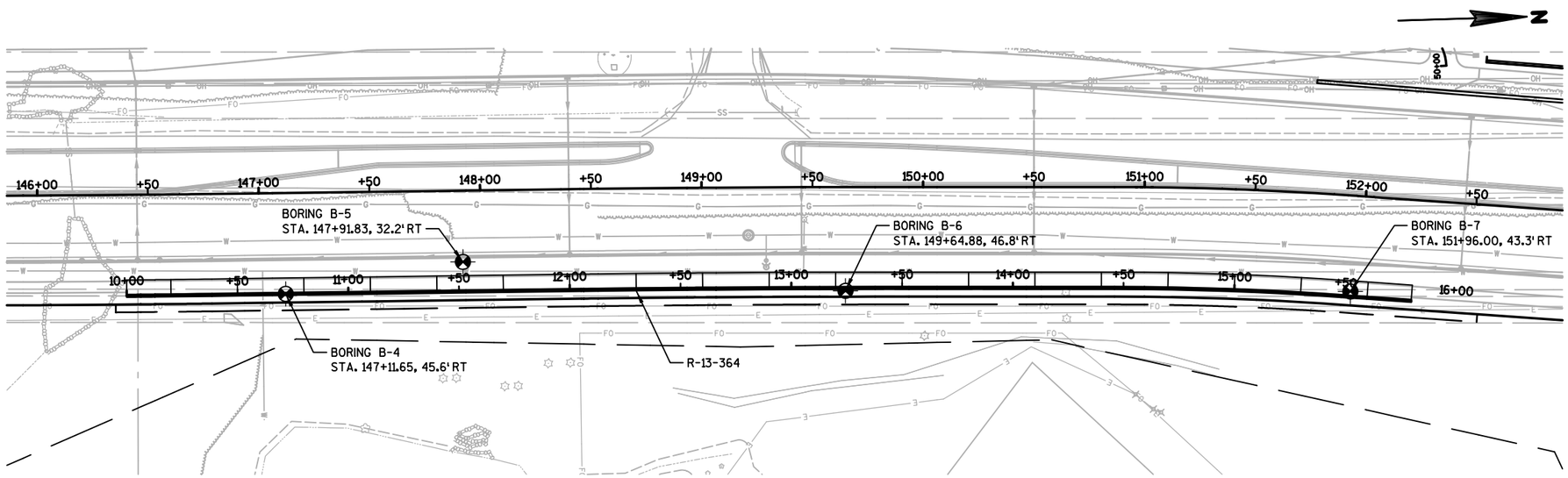
PARAPET DETAILS

SHEET 6
780

8

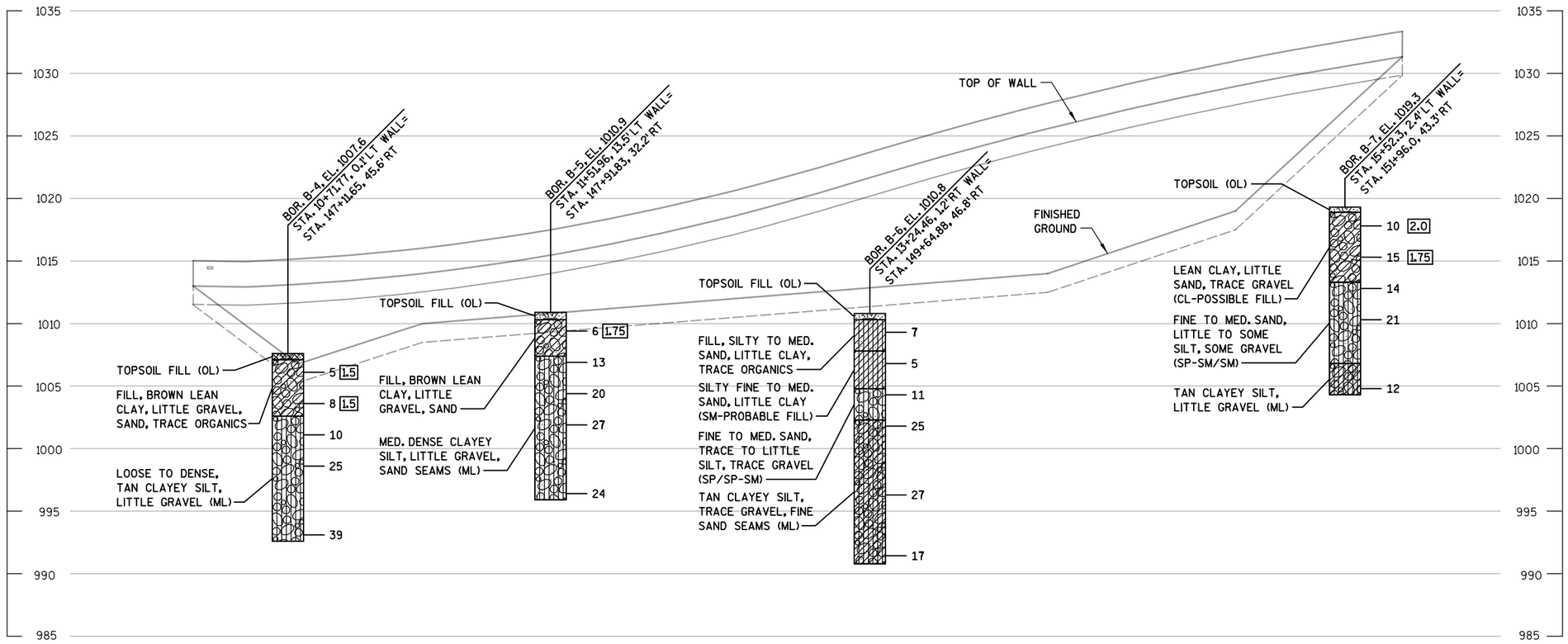
8

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BORING PERFORMED BY BADGER STATE DRILLING ON 2/1/2021.

GEOTECHNICAL REPORT PREPARED BY:
CGC INC.
2921 PERRY STREET
MADISON, WI 53713



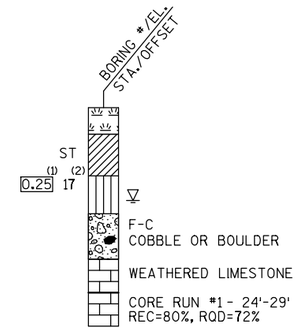
STATE PROJECT NUMBER

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MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- ▽ AT TIME OF DRILLING
- ▼ END OF DRILLING
- ▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

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STRUCTURE R-13-364

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SUBSURFACE EXPLORATION

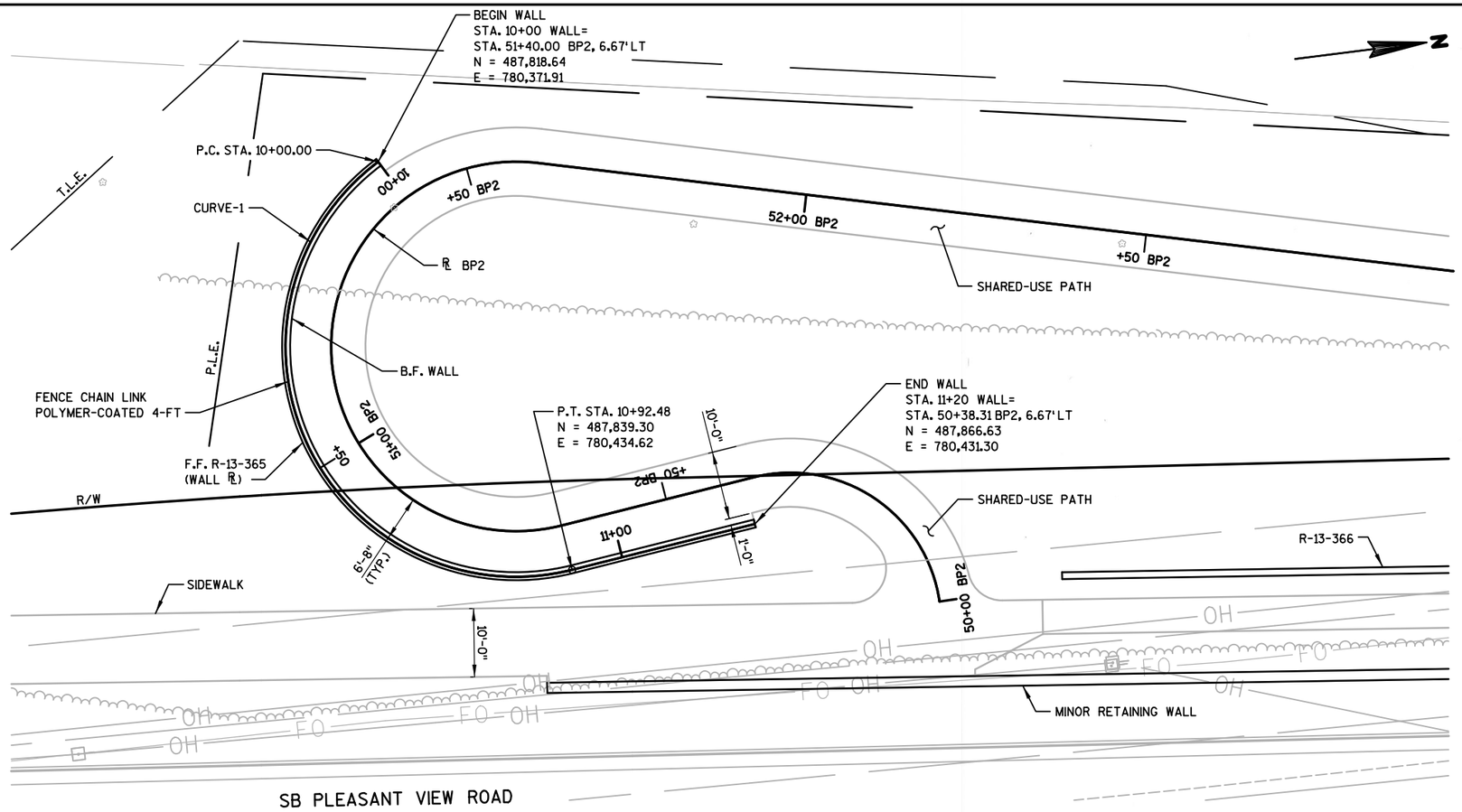
SHEET 7
781

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SCALE =

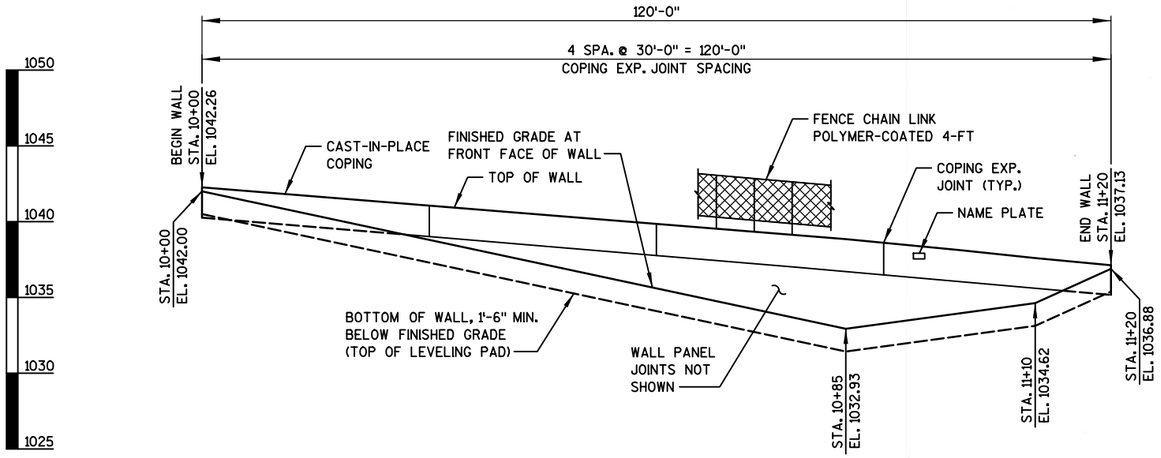
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PLAN
(MSE PANEL WALL)

HORIZONTAL CURVE DATA

CURVE-1
P.I. = 10+46.24
Y = 487,672.20
X = 780,454.93
DELTA = 157°22'50" (LT)
D = 170°11'07"
T = 168.34'
L = 92.48'
R = 33.67'
P.C. = 10+00.00
P.T. = 10+92.48



ELEVATION
(LOOKING AT F.F. OF WALL)

LIMITED UTILITY INFORMATION IS PROVIDED ON THIS SHEET. REFER TO ROADWAY PLANS AND SPECIAL PROVISIONS FOR ADDITIONAL UTILITY INFORMATION.

STATE PROJECT NUMBER

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DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-13-365."

PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN IN THIS PLAN.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED IN FRONT OF WALL AS SHOWN ON THE TYPICAL WALL SECTION AND ROADWAY CROSS SECTIONS.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 100 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

MATERIAL PROPERTIES

CONCRETE MASONRY, COPING _____ f'c = 3,500 PSI

HIGH STRENGTH BAR STEEL
REINFORCEMENT, GRADE 60 _____ Fy = 60,000 PSI

PRECAST CONCRETE WALL PANELS _____ f'c = 4,000 PSI

LEGEND

F.F. = FRONT FACE
B.F. = BACK FACE
R/W = RIGHT-OF-WAY
T.L.E. = TEMPORARY LIMITED EASEMENT
℄ = REFERENCE LINE
℄ = CENTER LINE

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. WALL DETAILS, NOTES & QUANTITIES
3. SOIL DATA & WALL DETAILS
4. FENCE DETAILS
5. SUBSURFACE EXPLORATION

STRUCTURE DESIGN CONTACTS

BRIDGE OFFICE CONTACT:
AARON BONK (608) 261-0261

DESIGN CONSULTANT CONTACT:
BRETT OFTEDAHL (608) 251-4843

WISCONSIN
BRETT M. OFTEDAHL
E-41128
MADISON, WI
PROFESSIONAL ENGINEER
2/11/2022

NO.	DATE	REVISION	BY

STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
MADISON, WISCONSIN 53715
(608)-251-4843
(608) 251-8655 FAX
WWW.STRAND.COM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED SDR 02/23/22
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-13-365

SHARED-USE PATH RETAINING WALL

COUNTY DANE
~~TOWN~~/CITY ~~/VILLAGE~~ MIDDLETON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
DHS	BMO	DHS	BMO

GENERAL PLAN & ELEVATION

SHEET 1 OF 5
782

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GEOMETRY TABLE

WALL STATION	PATH STATION	TOP OF WALL ELEV.	FINISHED GRADE ELEV.
10+00.00	51+40.00	1042.26	1042.00
10+25.00	51+19.95	1041.26	1039.33
10+50.00	50+99.71	1040.25	1036.66
10+75.00	50+79.85	1039.25	1034.00
10+85.00	50+71.83	1038.85	1032.93
11+00.00	50+58.31	1038.13	1033.94
11+10.00	50+48.31	1037.60	1034.62
11+20.00	50+38.31	1037.13	1036.88

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	QUANTITY
517.1050.S	ARCHITECTURAL SURFACE TREATMENT R-13-365	SF	270
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	130
SPV.0090.11	FENCE CHAIN LINK POLYMER-COATED 4-FT R-13-365	LF	120
SPV.0165.03	WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-13-365	SF	570
	NON-BID ITEM		
	EXPANDED POLYSTYRENE	SIZE	1"
	NAME PLATE		

STATE PROJECT NUMBER

5992-11-01

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

THE PLAN QUANTITY FOR THE BID ITEM "WALL CONCRETE PANEL MECHANIC STABILIZED EARTH R-13-365" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

ALL DIMENSIONS, STATIONS, AND OFFSETS ARE GIVEN AT THE FRONT FACE OF WALL, UNLESS OTHERWISE SHOWN.

BAR STEEL REINFORCEMENT FOR CAST-IN-PLACE CONCRETE COPING SHALL BE EPOXY COATED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

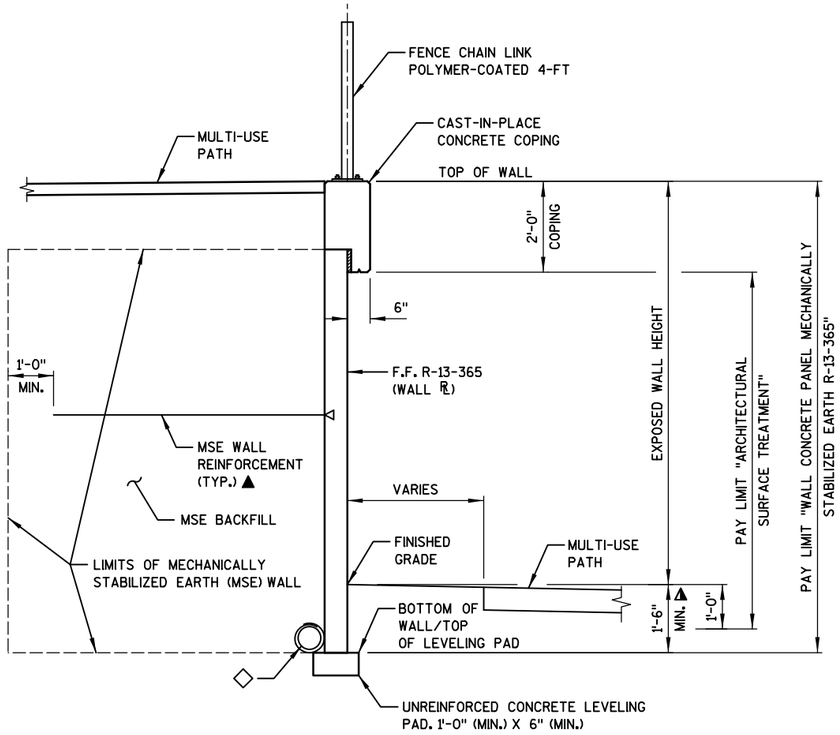
BEVEL EXPOSED EDGES OF CONCRETE ¾-INCH UNLESS NOTED OTHERWISE.

A NAME PLATE SHALL BE PLACED AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

THE PLANS AND DETAILS ARE BASED ON A NOMINAL PRECAST PANEL WIDTH OF 5'-0". IF FABRICATED PANEL SIZES DIFFER FROM PLAN DIMENSIONS, CONTRACTOR IS RESPONSIBLE TO COORDINATE REVISED JOINT LOCATIONS, REINFORCEMENT LENGTHS, RAILING REVISIONS AND ANY OTHER REVISIONS ASSOCIATED WITH USING A DIFFERENT PANEL SIZE.

THE WALL RADIUS REQUIRES THE USE OF CORNER ELEMENTS TO ACCOMODATE THE ANGLE BETWEEN ADJACENT PANELS.

A GEOTECHNICAL REPORT HAS BEEN PREPARED FOR THIS STRUCTURE AND IS AVAILABLE UPON REQUEST.



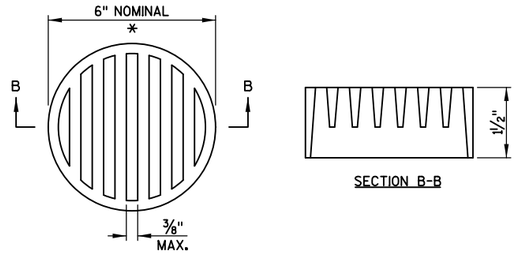
TYPICAL SECTION THRU MSE RETAINING WALL

LEGEND

▲ MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS SHALL BE 70% OF THE TOTAL WALL HEIGHT (EXPOSED HEIGHT PLUS EMBEDMENT DEPTH) OR 8.0 FEET, WHICHEVER IS GREATER. SOIL REINFORCING MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.

◇ PIPE UNDERDRAIN WRAPPED (6-INCH) SLOPE 0.5% MIN. TO SUITABLE DRAINAGE ATTACH RODENT SHIELD AT END OF PIPE UNDERDRAIN.

◭ MINIMUM EMBEDMENT BASED ON SITE SPECIFIC PARAMETERS (1'-6" MINIMUM FOR ALL WALLS ON LEVEL GROUND). FIELD EMBEDMENT SHALL MEET OR EXCEED THE MINIMUM EMBEDMENT. FIELD EMBEDMENT BELOW MINIMUM EMBEDMENT SHALL NOT BE INCLUDED IN THE PAY LIMITS.



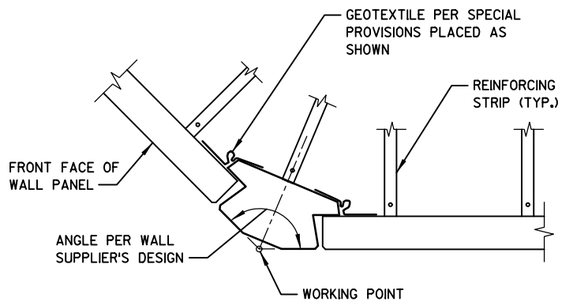
NOTES:

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

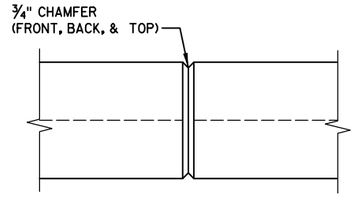
THE RODENT SHIELD, PIPE COUPLING AND ATTACHMENT SCREWS SHALL BE INCLUDED WITH BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH."

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 × 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

RODENT SHIELD DETAIL

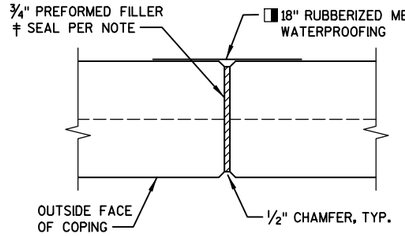


CURVED WALL CORNER ELEMENT



COPING CONTRACTION JOINT

DO NOT RUN BAR STEEL THRU JOINT. MAX. SPACING OF JOINT = 10'. SET JOINT LOCATION TO ALIGN WITH PANEL JOINT BELOW.

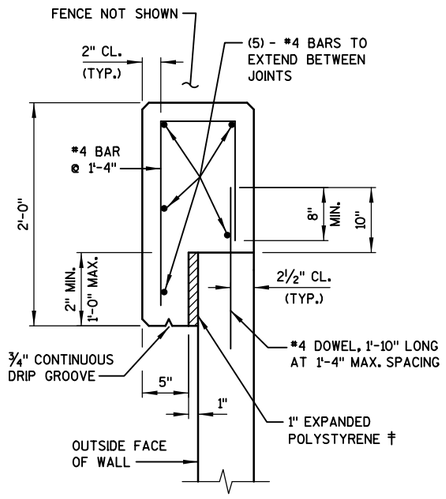


COPING EXPANSION JOINT

DO NOT RUN BAR STEEL THRU JOINT. MAX. SPACING OF JOINT = 30'

◨ MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO 6" BELOW TOP OF PANELS. MEMBRANE WATERPROOFING INCLUDED IN BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH".

‡ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE.)



CAST-IN-PLACE CONCRETE COPING DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-365

DRAWN BY DTH | PLANS CK'D. BMO

WALL DETAILS, NOTES & QUANTITIES

SHEET 2
783

8

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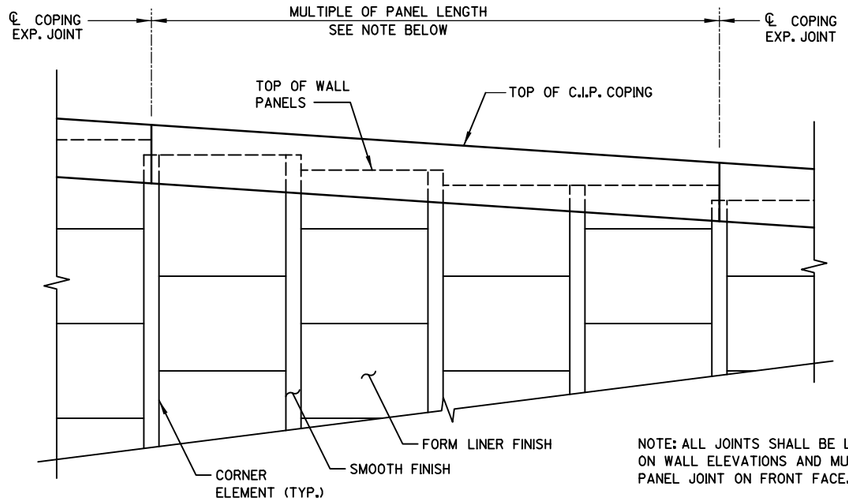
STATE PROJECT NUMBER

5992-11-01

SOIL PARAMETERS

STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT	FRICTION ANGLE (DEGREES)	COHESION (PSF)
GRANULAR BACKFILL (REINFORCING ZONE OR BACKFILL)	120	30	0
GRANULAR RETAINED SOIL *	120	30	0
BOR B-8			
STIFF CLAY ELEV. 1035.9-1032.9	115	28	100
LOOSE TO MEDIUM DENSE SAND (WEATHERED BEDROCK) ELEV. 1032.9-1027.9	120	32	0
BEDROCK ELEV. 1027.9-1017.9	140	40	0

* DESIGN WALL FOR THESE VALUES.



NOTE: ALL JOINTS SHALL BE LOCATED AS SHOWN ON WALL ELEVATIONS AND MUST COINCIDE WITH PANEL JOINT ON FRONT FACE.

WALL PANEL AND C.I.P. COPING PARTIAL ELEVATION

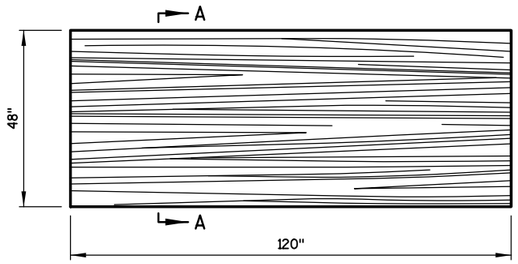
WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	EVALUATED LOCATIONS
WALL HEIGHT (FEET)[1]	7.6
EXPOSED WALL HEIGHT (FEET)	6.1
■ MINIMUM LENGTH OF REINFORCEMENT (FEET)	8.5
WALL STATION	50+75 BP2
BORING USED	B-8
CAPACITY TO DEMAND RATIO (CDR)[2,3]	
SLIDING (CDR>1.0)	1.38
ECCENTRICITY (CDR>1.0)	3.30
OVERALL STABILITY (CDR>1.0)	1.30
BEARING RESISTANCE (CDR>1.0)	2.41
FACTORED BEARING RESISTANCE (PSF)	4,000

NOTES:
1. THE WALL HEIGHT INCLUDES AN EMBEDMENT OF 1.5 FT.
2. THE WALL STABILITY EVALUATION INCLUDED A TYPICAL SURCHARGE LOAD OF 100 PSF.
3. CDR VALUES ARE PRESENTED IN CHAPTER 14 OF THE WISDOT BRIDGE MANUAL.

■ THE LENGTHS PROVIDED IN THE TABLE ARE THE MINIMUM REQUIRED REINFORCEMENT LENGTHS BASED UPON THE MINIMUM DESCRIBED IN THE WALL SYSTEM SPECIAL PROVISIONS FOR EXTERNAL AND OVERALL STABILITY AT THE DESIGNATED LOCATIONS. THESE DESIGNATED LOCATIONS REPRESENT TYPICAL AND CRITICAL WALL LOCATIONS, BUT SHALL NOT BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR DESIGN LENGTHS SHALL MEET OR EXCEED THE MINIMUM VALUES REPRESENTED IN THE TABLE AT THESE DESIGNATED LOCATIONS. FINAL DESIGN FOR INTERNAL STABILITY AND EXTERNAL SLIDING AND ECCENTRICITY AT OTHER WALL STATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

NOTES:
1. SETTLEMENT IS ESTIMATED TO BE 0.4 INCHES.
2. THE PROJECT SOILS ENGINEER SHOULD REVIEW THE SUBSURFACE CONDITIONS PRIOR TO CONSTRUCTION OF THE WALLS TO DETERMINE IF THE SOILS HAVE THE MINIMUM BEARING STRENGTH SHOWN IN THE TABLE ABOVE.
3. FINAL DESIGN FOR SLIDING, ECCENTRICITY, AND BEARING RESISTANCE AT OTHER WALL STATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.



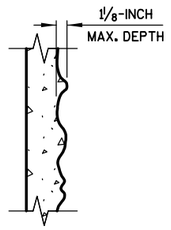
FORM LINER PATTERN

AESTHETIC DETAIL NOTES

PROVIDE FORM LINER AESTHETIC DETAILS AS SHOWN AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

FORM LINER COURSING SHALL BE LEVEL AND CONTINUOUS ACROSS VERTICAL WALL PANEL JOINTS.

FORM LINER PATTERN SHALL BE PATTERN 18030. RANDOM SMOOTH WAVE, FROM FITZGERALD FORMLINERS.



FORM LINER SECTION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-365

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SOIL DATA & WALL DETAILS

SHEET 3
784

8

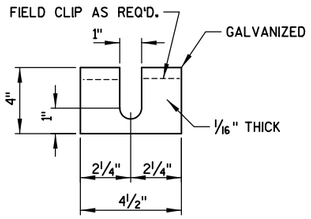
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STATE PROJECT NUMBER
5992-11-01

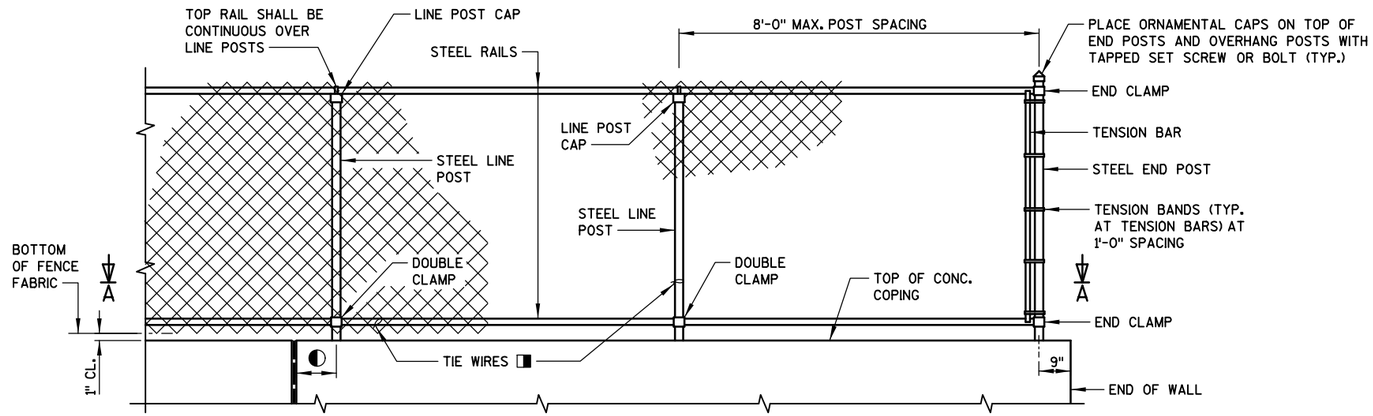
FENCE MEMBER SIZE & WEIGHT

STEEL FENCE MEMBER	OUTSIDE DIAMETER (INCHES)	WEIGHT (LB/FT)
RAILS	1.660	2.27
END POST	2.875	5.80
OVERHANG POST	2.875	5.80
LINE POST	2.375	3.65
POST SLEEVE	4.000	9.12



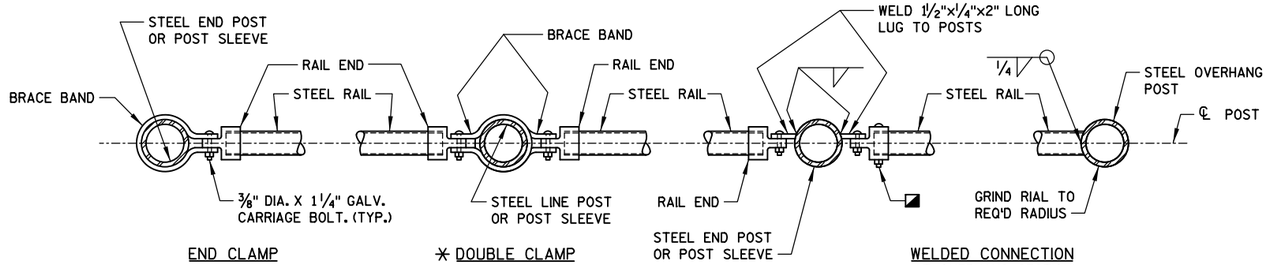
POST SHIM DETAILS

SHIMS REQUIRED ONLY WHEN END POSTS AND LINE POSTS ARE WELDED TO BASE PLATES. PROVIDE 4 SHIMS PER POST. USE WHERE REQUIRED FOR ALIGNMENT.



FENCE PART ELEVATION

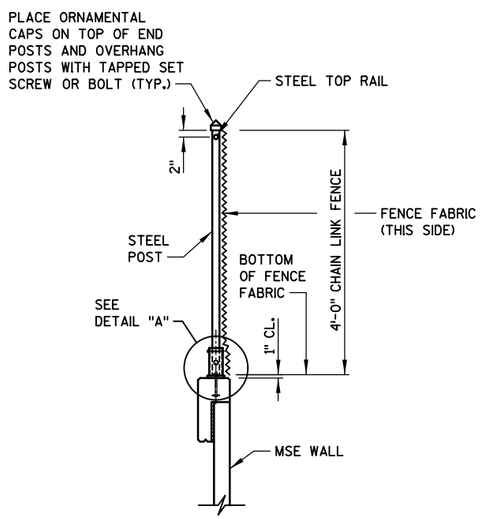
VIEWING FABRIC SIDE



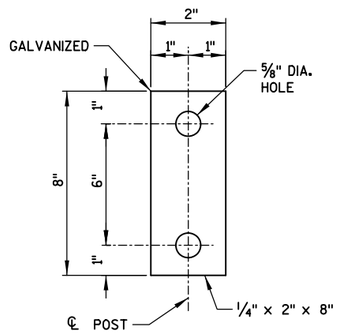
END CLAMP ✳ DOUBLE CLAMP WELDED CONNECTION (AT OVERHANG SECTION)

SECTION A-A

NOTE: PLACE ALL BOLT HEADS ON SIDE OF FANCE ADJACENT TO PEDESTRIANS

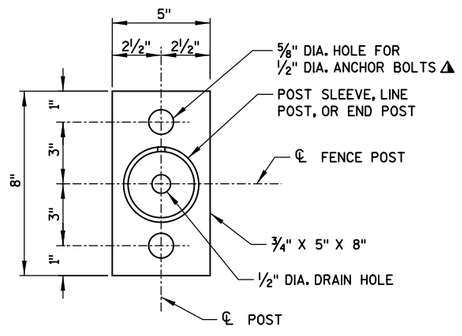


SECTION THRU FENCE

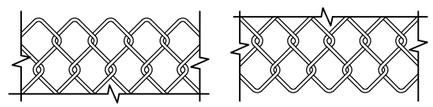


ANCHOR PLATE

☆ NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



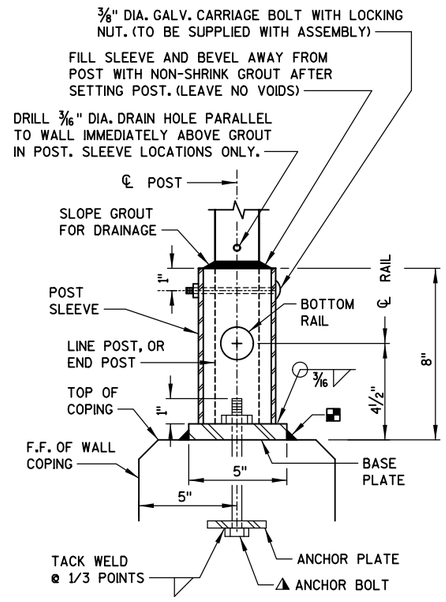
BASE PLATE



TOP DETAIL BOTTOM DETAIL

FENCE FABRIC

FENCE FABRIC WOVEN OF 9-GAGE WIRE IN 2" DIAMOND PATTERN MESH WITH BOTH THE TOP AND BOTTOM SELVAGES KNUCKLED.



DETAIL 'A'

UNIT SHALL BE GALVANIZED AFTER FABRICATION.
NOTE: IN LIEU OF USING THE POST SLEEVE, THE FENCE POST MAY BE WELDED TO THE BASE PLATE.

GENERAL NOTES

THE BID ITEM SHALL BE "FENCE CHAIN LINK POLYMER-COATED 4-FT R-13-365". BID ITEM INCLUDES ALL ITEMS SHOWN.

POSTS ARE TO BE SET VERTICAL.

ALL FENCE COMPONENTS SHALL BE GALVANIZED STEEL WITH A COLORED POLYMER-COATING ON THE OUTSIDE.

FABRIC SHALL CONFORM TO ASTM F668, CLASS 2B. STEEL RAILS, POSTS AND POST SLEEVES SHALL CONFORM TO ASTM F1083, STANDARD WEIGHT PIPE (SCHEDULE 40). FITTINGS SHALL CONFORM TO ASTM F626. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

THE COLOR OF POLYMER-COATING FOR THIS STRUCTURE SHALL BE BLACK IN ACCORDANCE WITH ASTM F934.

COMPLETE ANY REQUIRED WELDING OF COMPONENTS BEFORE GALVANIZING.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

BASE PLATES, ANCHOR PLATES AND SHIMS SHALL BE ASTM A709, GRADE 36.

ALL POST SPACINGS ARE MEASURED HORIZONTALLY ALONG THE C/L OF THE POST.

◪ CAULK AROUND PERIMETER OF BASE PLATE AND FILL PORTION OF SLOTTED HOLE AROUND ANCHOR BOLT IN SHIM WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

✳ ALTERNATE TO DOUBLE CLAMP: USE LINE RAIL CLAMP (BOULEVARD) OR 180° BRACE BAND, WHICH MAY BE USED WHEN THE POSTS ARE EITHER BOLTED TO THE POST SLEEVES OR DIRECTLY WELDED TO THE BASE PLATE.

◭ ANCHOR BOLTS, NUTS AND WASHERS SHALL BE EITHER STAINLESS STEEL OR ASTM 307. IF 307 IS USED, ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED. ☆

☆ ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS 1/2-INCH, EMBED 7" IN CONCRETE. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 AND 502.3.14 OF THE STANDARD SPECIFICATIONS.

◪ BOLT RAIL TO RAIL END TO SECURE OVERHANG SECTION. ALTERNATE IS TO WELD RAIL DIRECTLY TO END POST.

◐ 1'-0" MIN. DISTANCE BETWEEN CENTERLINE OF COPING JOINTS (BOTH EXPANSION AND CONTRACTION) AND CENTERLINE OF FENCE POSTS.

MINIMUM LENGTH OF TOP RAIL BETWEEN SPLICES SHALL BE 20'-0". LOCATE SPLICES NEAR 1/4 POINT OF POST SPACING.

◨ ATTACH FABRIC TO RAILS AND TO POSTS WITHOUT TENSION BANDS, WITH TIE WIRES (ROUND, 9-GAGE) SPACED AT 1'-0".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-365

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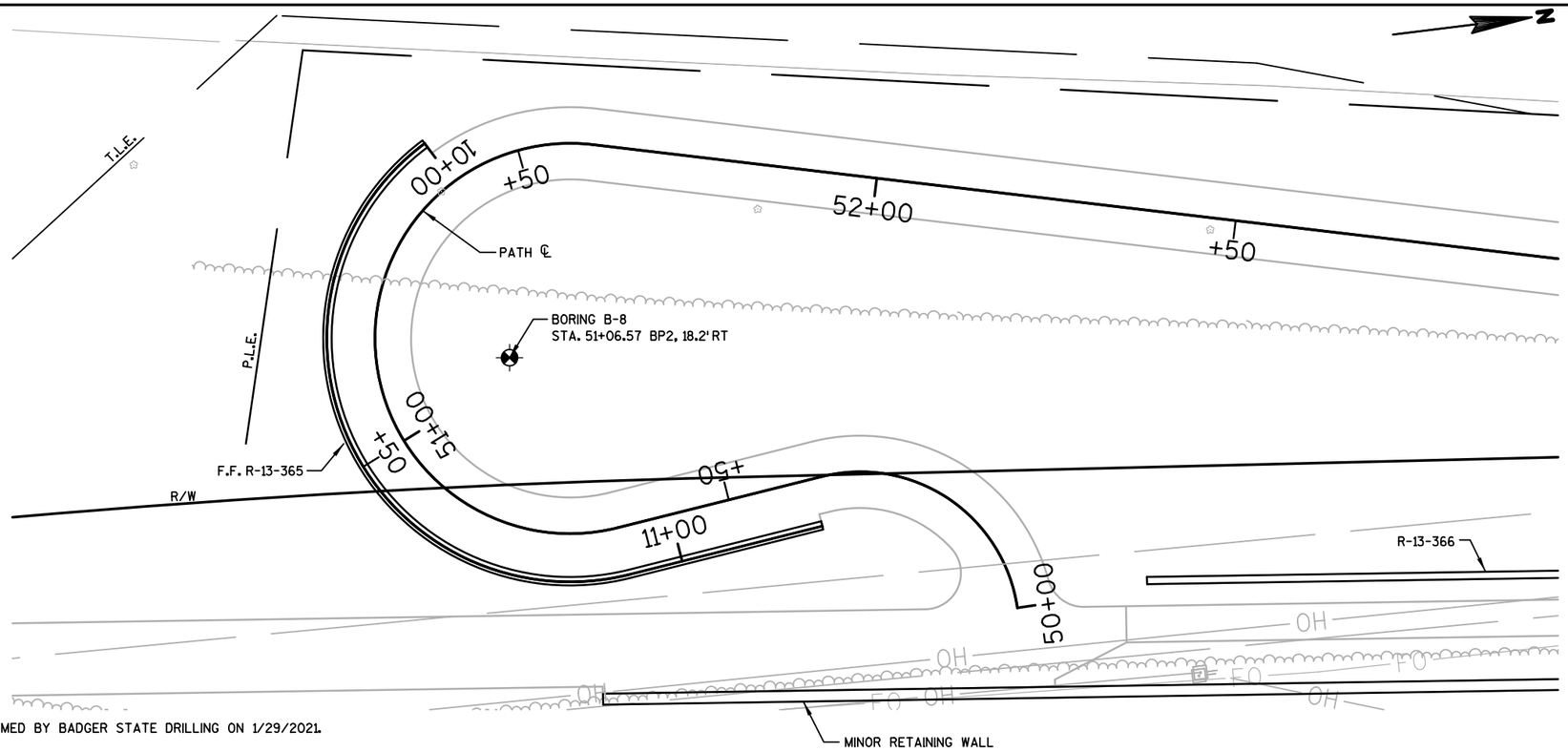
FENCE DETAILS

SHEET 4
785

8

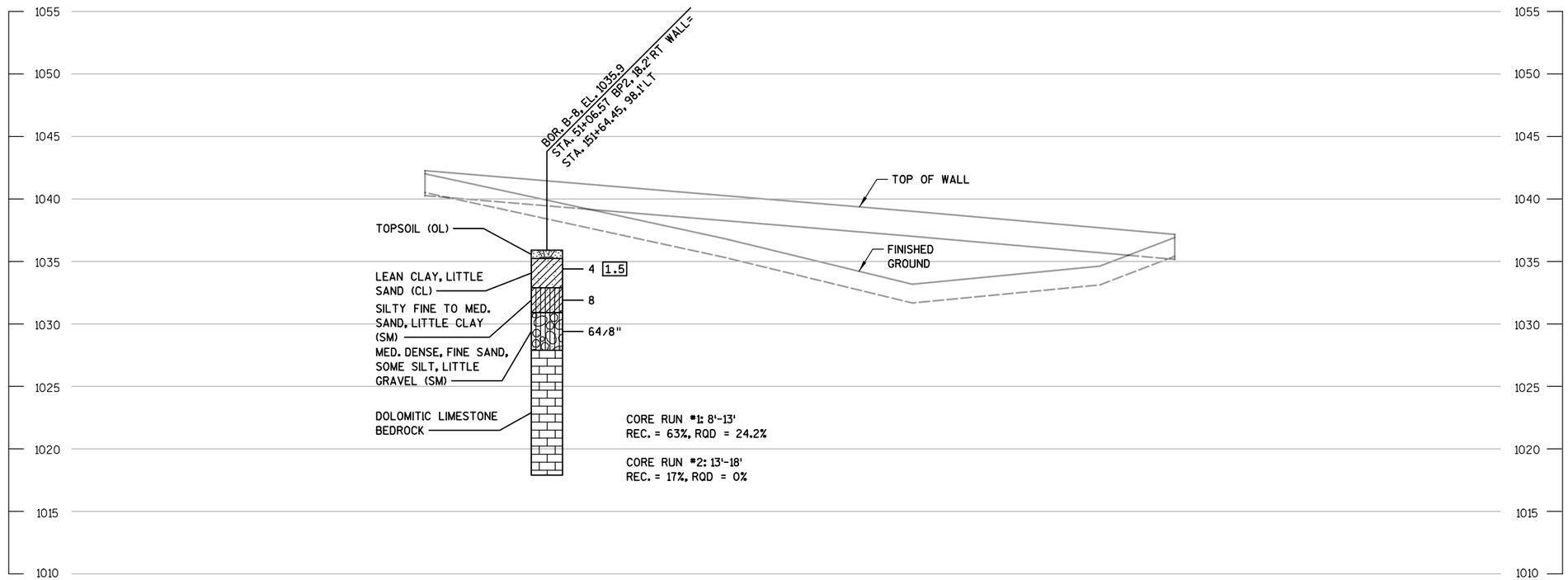
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BORING PERFORMED BY BADGER STATE DRILLING ON 1/29/2021.

GEOTECHNICAL REPORT PREPARED BY:
CGC INC.
2921 PERRY STREET
MADISON, WI 53713



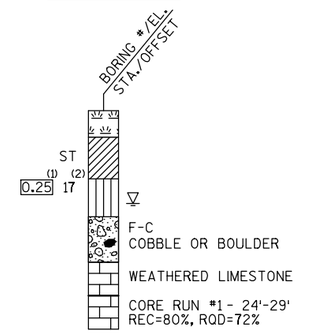
STATE PROJECT NUMBER

5992-11-01

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-365

DRAWN BY DTH | PLANS CK'D. BMO

SUBSURFACE EXPLORATION

SHEET 5
786

8

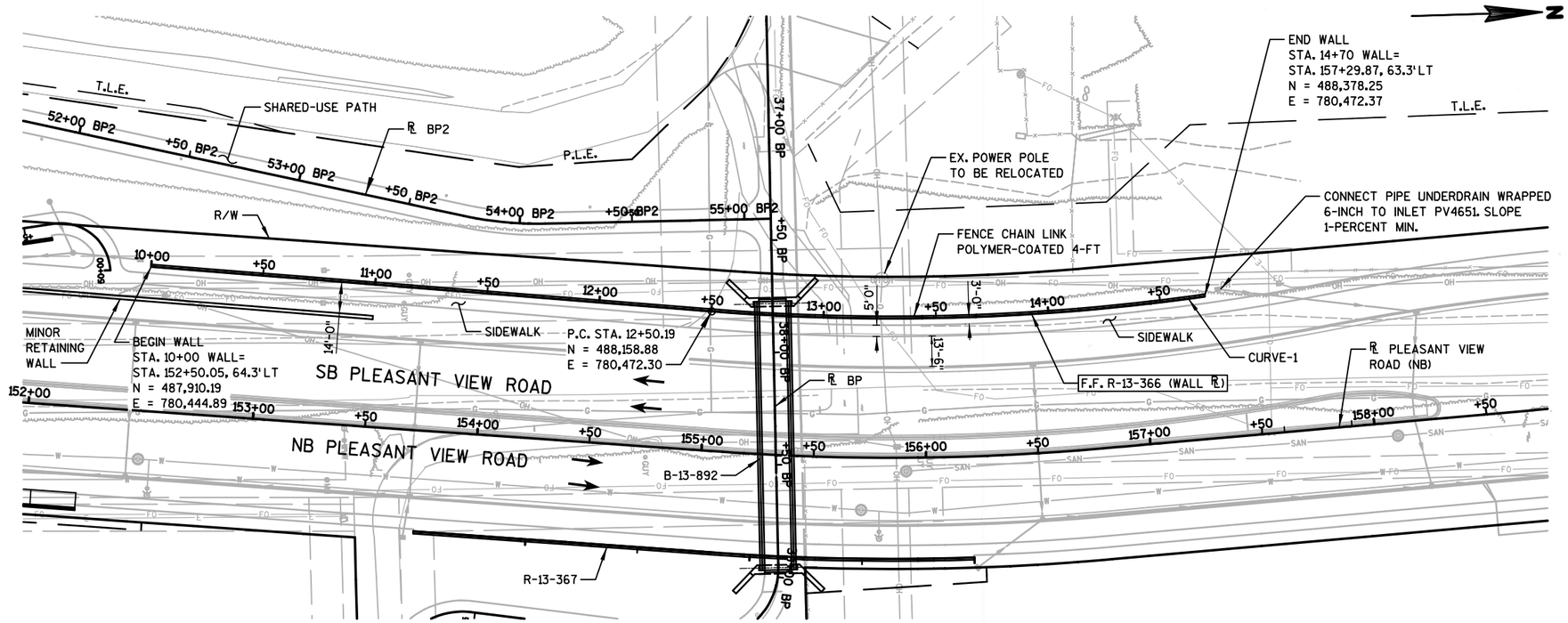
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SCALE =

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STATE PROJECT NUMBER

5992-11-01

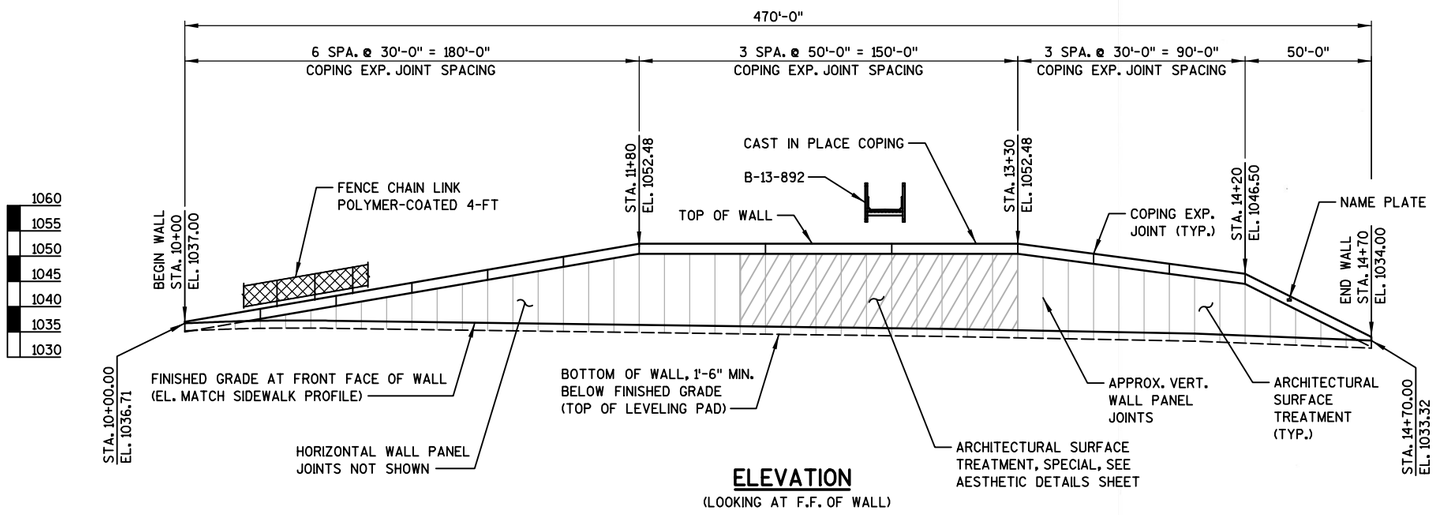


PLAN
(MSE PANEL WALL)

LIMITED UTILITY INFORMATION IS PROVIDED ON THIS SHEET, REFER TO ROADWAY PLANS AND SPECIAL PROVISIONS FOR ADDITIONAL UTILITY INFORMATION.

HORIZONTAL CURVE DATA

CURVE-1
P.I. = 13+60.54
Y = 488,268.56
X = 780,484.39
DELTA = 12°32'38" (LT)
D = 5°42'24"
T = 110.34'
L = 219.81'
R = 1,004.00'
P.C. = 12+50.19
P.T. = 14+70.00



ELEVATION
(LOOKING AT F.F. OF WALL)

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHINCAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-13-366".

PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN IN THIS PLAN.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THE TYPICAL WALL SECTION AND ROADWAY CROSS SECTIONS.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 100 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL IN THE REINFORCED ZONE SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

MATERIAL PROPERTIES

CONCRETE MASONRY, COPING _____ f'c = 3,500 PSI

HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60 _____ Fy = 60,000 PSI

PRECAST CONCRETE WALL PANELS _____ f'c = 4,000 PSI

LEGEND

F.F. = FRONT FACE
B.F. = BACK FACE
R/W = RIGHT-OF-WAY
T.L.E. = TEMPORARY LIMITED EASEMENT
P.L.E. = PERMANENT LIMITED EASEMENT
℄ = CENTER LINE
℞ = REFERENCE LINE

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. CROSS SECTION, QUANTITIES & NOTES
3. SOIL DATA & WALL DETAILS
4. AESTHETIC DETAILS
5. FENCE DETAILS
6. SUBSURFACE EXPLORATION

STRUCTURE DESIGN CONTACTS

BRIDGE OFFICE CONTACT:
AARON BONK (608) 261-0261

DESIGN CONSULTANT CONTACT:
BRETT OFTEDAHL (608) 251-4843

NO.	DATE	REVISION	BY

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DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ SDR 02/23/22
CHIEF STRUCTURES DESIGN ENGINEER — DATE

WISCONSIN
BRETT M. OFTEDAHL
E-41128
MADISON
WI
PROFESSIONAL ENGINEER
2/1/2022

STRUCTURE R-13-366

WEST SIDE OF PLEASANT VIEW ROAD AT B-13-892

COUNTY	TOWN/CITY/VILLAGE
DANE	MIDDLETON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
BMO	EJC	DTH	EJC

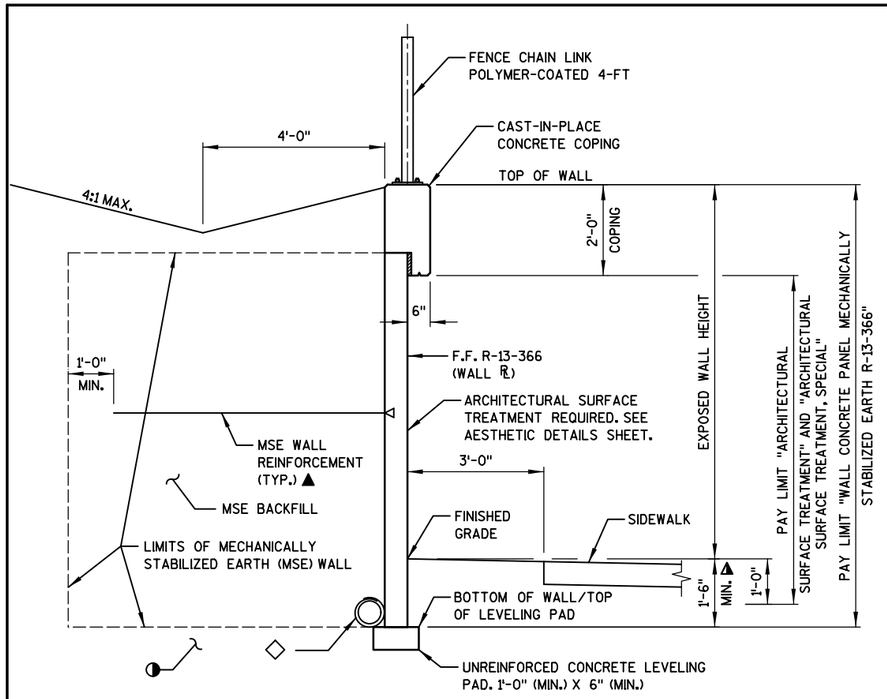
GENERAL PLAN & ELEVATION

SHEET 1 OF 6
787

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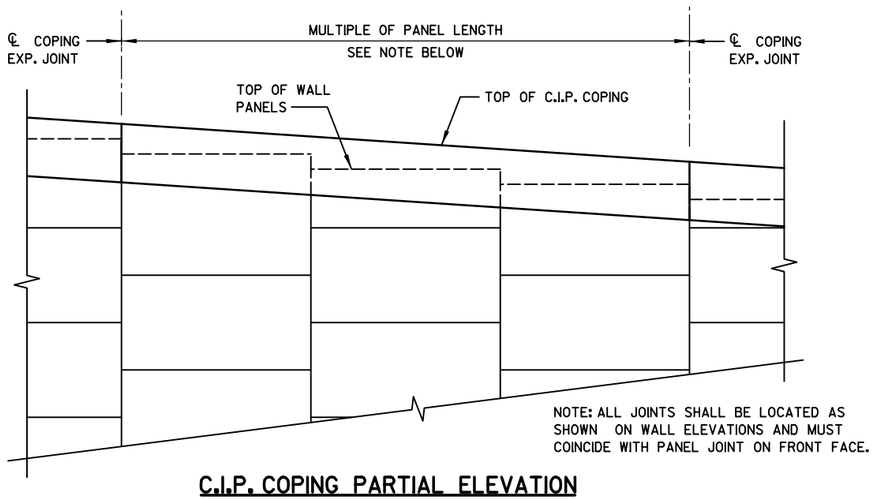
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TYPICAL SECTION THRU MSE RETAINING WALL

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	QUANTITY
517.1050.S.03	ARCHITECTURAL SURFACE TREATMENT R-13-366	SF	3,335
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	480
SPV.0090.12	FENCE CHAIN LINK POLYMER-COATED 4-FT R-13-366	LF	470
SPV.0165.04	WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH, R-13-366	SF	6,235
SPV.0165.13	ARCHITECTURAL SURFACE TREATMENT, SPECIAL	SF	1,730
	NON-BID ITEMS		
	EXPANDED POLYSTYRENE	SIZE	1"
	NAME PLATE		
	PREFORMED JOINT FILLER	SIZE	3/4"



C.I.P. COPING PARTIAL ELEVATION

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

THE PLAN QUANTITY FOR THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-13-366" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

ALL DIMENSIONS, STATIONS, AND OFFSETS ARE GIVEN AT THE FRONT FACE OF WALL, UNLESS OTHERWISE SHOWN.

BAR STEEL REINFORCEMENT FOR CAST-IN-PLACE CONCRETE COPING SHALL BE EPOXY COATED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

BEVEL EXPOSED EDGES OF CONCRETE 3/4-INCH UNLESS NOTED OTHERWISE.

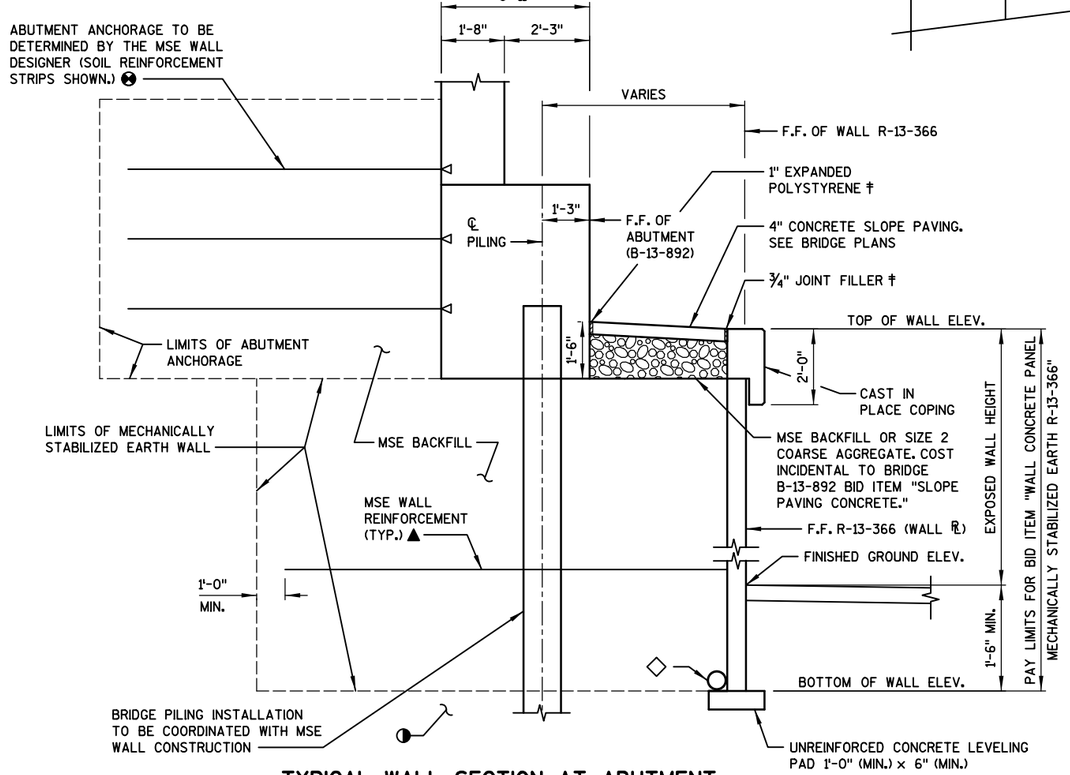
A NAME PLATE SHALL BE PLACED AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

A GEOTECHNICAL REPORT HAS BEEN PREPARED FOR THIS STRUCTURE AND IS AVAILABLE UPON REQUEST.

THE PLANS AND DETAILS ARE BASED ON A NOMINAL PRECAST PANEL WIDTH OF 10'-0". IF THE FABRICATED PANEL SIZES DIFFER FROM PLAN DIMENSIONS, CONTRACTOR IS RESPONSIBLE TO COORDINATE REVISED JOINT LOCATIONS, REINFORCEMENT LENGTHS, RAILING REVISIONS AND ANY OTHER REVISIONS ASSOCIATED WITH USING A DIFFERENT PANEL SIZE.

GEOMETRY TABLE

WALL STATION	ROADWAY STATION	OFFSET TO F.F. WALL	TOP OF WALL ELEV.	FINISHED GRADE ELEV.
10+00.00	152+50.05	64.32	1037.00	1036.71
10+25.00	152+75.05	64.09	1039.15	1037.17
10+50.00	153+00.05	63.86	1041.30	1037.27
10+75.00	153+25.05	63.64	1043.45	1037.12
11+00.00	153+50.05	63.40	1045.60	1036.95
11+25.00	153+75.05	63.18	1047.75	1036.79
11+50.00	154+00.05	62.95	1049.90	1036.62
11+75.00	154+25.05	62.73	1052.05	1036.45
11+80.00	154+30.05	62.68	1052.48	1036.42
12+00.00	154+50.05	62.50	1052.48	1036.28
12+25.00	154+75.05	62.27	1052.48	1036.12
12+50.00	155+00.05	62.04	1052.48	1035.95
12+75.00	155+26.01	62.00	1052.48	1035.78
13+00.00	155+52.55	62.00	1052.48	1035.60
13+25.00	155+79.09	62.00	1052.48	1035.37
13+30.00	155+34.40	62.00	1052.48	1035.33
13+50.00	156+05.64	62.00	1051.15	1035.14
13+75.00	156+32.18	62.00	1049.49	1034.91
14+00.00	156+58.72	62.00	1047.83	1034.68
14+20.00	156+79.89	62.00	1046.50	1034.29
14+25.00	156+84.89	62.02	1045.25	1034.19
14+50.00	157+09.88	62.48	1039.00	1033.72
14+70.00	157+29.87	63.30	1034.00	1033.32



TYPICAL WALL SECTION AT ABUTMENT

(WALL STA. 12+67.69 TO 12+86.54)

LEGEND

▲ MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS SHALL BE 70% OF THE TOTAL WALL HEIGHT (EXPOSED HEIGHT PLUS EMBEDMENT DEPTH) OR 8.0 FEET, WHICHEVER IS GREATER. SOIL REINFORCING MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.

◇ PIPE UNDERDRAIN WRAPPED (6-INCH) SLOPE 0.5% MIN. TO INLET AT NORTH END OF WALL.

▲ MINIMUM EMBEDMENT BASED ON SITE SPECIFIC PARAMETERS (1'-6" MINIMUM FOR ALL WALLS ON LEVEL GROUND). FIELD EMBEDMENT SHALL MEET OR EXCEED THE MINIMUM EMBEDMENT. FIELD EMBEDMENT BELOW MINIMUM EMBEDMENT SHALL NOT BE INCLUDED IN THE PAY LIMITS.

◑ ROCK EXCAVATION IS ANTICIPATED TO BE NEEDED FOR WALL CONSTRUCTION. ALL EXCAVATION NEEDED FOR WALL CONSTRUCTION IS INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH".

† SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SUFRACES OF FILLER AND EXPANDED POLYSTYRENE WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1"8" BELOW SURFACE OF CONCRETE).

⊗ UNFACTORED SUPERSTRUCTURE LATERAL LOADS TRANSFERRED TO THE ABUTMENT ARE TAKEN TO BE KIPS PER FOOT OF ABUTMENT LENGTH. THE VALUES ARE TO BE USED FOR THE LRFD DESIGN OF THE ABUTMENT ANCHORAGE BY THE MSE WALL MANUFACTURER. THE FOLLOWING AASHTO LINE LOADS SHALL BE INCLUDED IN THE DESIGN:

BR = 0.24 KLF, WS = 0.86 KLF
TU = 1.00 KLF, WL = N/A

THE ABUTMENT ANCHORAGE AND CONNECTION TO THE ABUTMENT ARE INCLUDED WITH THE BID ITEM "ABUTMENT ANCHORAGE" AS SHOWN ON THE B-13-892 BRIDGE PLANS.

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DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-366

DRAWN BY DTH | PLANS CK'D. EJC

CROSS SECTION, QUANTITIES & NOTES

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788

STATE PROJECT NUMBER
5992-11-01

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STATE PROJECT NUMBER

5992-11-01

SOIL PARAMETERS

STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT	FRICTION ANGLE (DEGREES)	COHESION (PSF)
GRANULAR BACKFILL (REINFORCING ZONE OR BACKFILL)	120	30	0
GRANULAR RETAINED SOIL *	120	30	0
BOR B-9			
MEDIUM DENSE SAND AND SILT ELEV. 1052.2-1044.2	120	32	0
DENSE SAND (WEATHERED BEDROCK) ELEV. 1044.2-1035.2	130	36	0
BEDROCK ELEV. 1035.2-1025.2	140	40	0
BOR B-10			
STIFF CLAY ELEV. 1061.5-1055.5	115	28	100
MEDIUM DENSE SAND ELEV. 1055.5-1043.5	120	34	0
MEDIUM DENSE SAND (WEATHERED BEDROCK) ELEV. 1043.5-1037.5	130	36	0
BEDROCK ELEV. 1037.5-1022.5	140	40	0
BOR B-11			
MEDIUM DENSE SAND ELEV. 1053.2-1048.7	120	32	0
VERY DENSE SAND (WEATHERED BEDROCK) ELEV. 1048.7-1038.2	130	38	0
BEDROCK ELEV. 1038.2-1023.2	140	40	0

* DESIGN WALL FOR THESE VALUES.

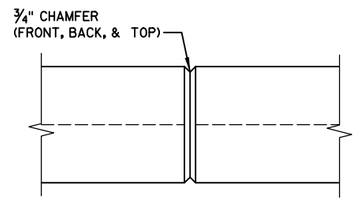
WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	EVALUATED LOCATIONS		
WALL HEIGHT (FEET)[1]	17.1	17.8	17.9
EXPOSED WALL HEIGHT (FEET)	15.6	16.2	16.4
MINIMUM LENGTH OF REINFORCEMENT (FEET)	13.0	18.0	15.0
WALL STATION	11+80	12+75 (ABUT.)	13+30
BORING USED	B-9	B-10	B-11
CAPACITY TO DEMAND RATIO (CDR)[2,3]			
SLIDING (CDR>1.0)	1.00	1.00	1.00
ECCENTRICITY (CDR>1.0)	1.83	2.06	2.20
OVERALL STABILITY (CDR>1.0)	1.54	1.56	1.56
BEARING RESISTANCE (CDR>1.0)	1.56	1.55	1.47
FACTORED BEARING RESISTANCE (PSF)	6,500	6,500	6,500

NOTES:
1. THE WALL HEIGHT INCLUDES AN EMBEDMENT OF 1.5 FT.
2. THE WALL STABILITY EVALUATION INCLUDED A TYPICAL SURCHARGE LOAD OF 100 PSF.
3. CDR VALUES ARE PRESENTED IN CHAPTER 14 OF THE WISDOT BRIDGE MANUAL.

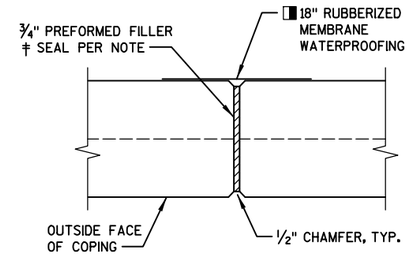
THE LENGTHS PROVIDED IN THE TABLE ARE THE MINIMUM REQUIRED REINFORCEMENT LENGTHS BASED UPON THE MINIMUM DESCRIBED IN THE WALL SYSTEM SPECIAL PROVISIONS FOR EXTERNAL AND OVERALL STABILITY AT THE DESIGNATED LOCATIONS. THESE DESIGNATED LOCATIONS REPRESENT TYPICAL AND CRITICAL WALL LOCATIONS, BUT SHALL NOT BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR DESIGN LENGTHS SHALL MEET OR EXCEED THE MINIMUM VALUES REPRESENTED IN THE TABLE AT THESE DESIGNATED LOCATIONS. FINAL DESIGN FOR INTERNAL STABILITY AND EXTERNAL SLIDING AND ECCENTRICITY AT OTHER WALL STATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

NOTES:
1. SETTLEMENT IS ESTIMATED TO BE LESS THAN 0.5 INCHES.
2. THE PROJECT SOILS ENGINEER SHOULD REVIEW THE SUBSURFACE CONDITIONS PRIOR TO CONSTRUCTION OF THE WALLS TO DETERMINE IF THE SOILS HAVE THE MINIMUM BEARING STRENGTH SHOWN IN THE TABLE ABOVE.
3. FINAL DESIGN FOR SLIDING, ECCENTRICITY, AND BEARING RESISTANCE AT OTHER WALL STATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.



COPING CONTRACTION JOINT

DO NOT RUN BAR STEEL THRU JOINT. MAX. SPACING OF JOINT = 10'. SET JOINT LOCATION TO ALIGN WITH PANEL JOINT BELOW.

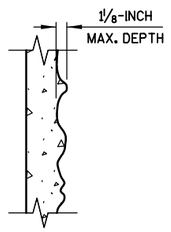


COPING EXPANSION JOINT

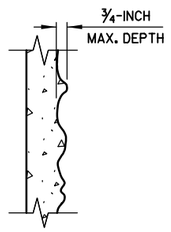
DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 50'

◨ MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO 6" BELOW TOP OF PANELS. MEMBRANE WATERPROOFING INCLUDED IN BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH".

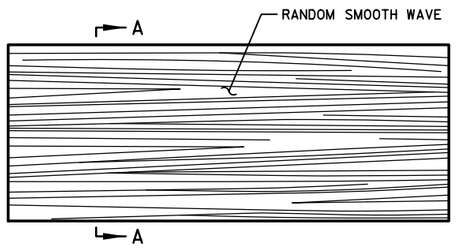
† SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE.)



SECTION A

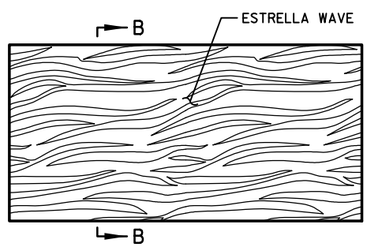


SECTION B



FORM LINER PATTERN - TYPE A

(STA. 10+00 TO STA. 12+20)



FORM LINER PATTERN - TYPE B

(STA. 13+30 TO STA. 14+70)

AESTHETIC DETAIL NOTES

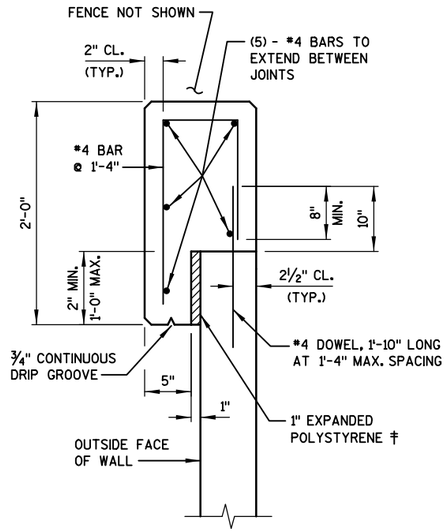
PROVIDE FORM LINER AESTHETIC DETAILS AS SHOWN AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

FORM LINER WAVE PATTERN SHALL BE ORIENTED HORIZONTAL AND CONTINUOUS ACROSS VERTICAL WALL PANEL JOINTS.

FORM LINER PATTERN - TYPE A SHALL BE PATTERN 18030, RANDOM SMOOTH WAVE FROM FITZGERALD FORM LINERS.

FORM LINER PATTERN - TYPE B SHALL BE PATTERN 15405, ESTRELLA WAVE FROM FITZGERALD FORM LINERS.

SEE SHEET 5 FOR ADDITIONAL DETAILS.



CAST-IN-PLACE CONCRETE COPING DETAIL

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STRUCTURE R-13-366

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SOIL DATA & WALL DETAILS

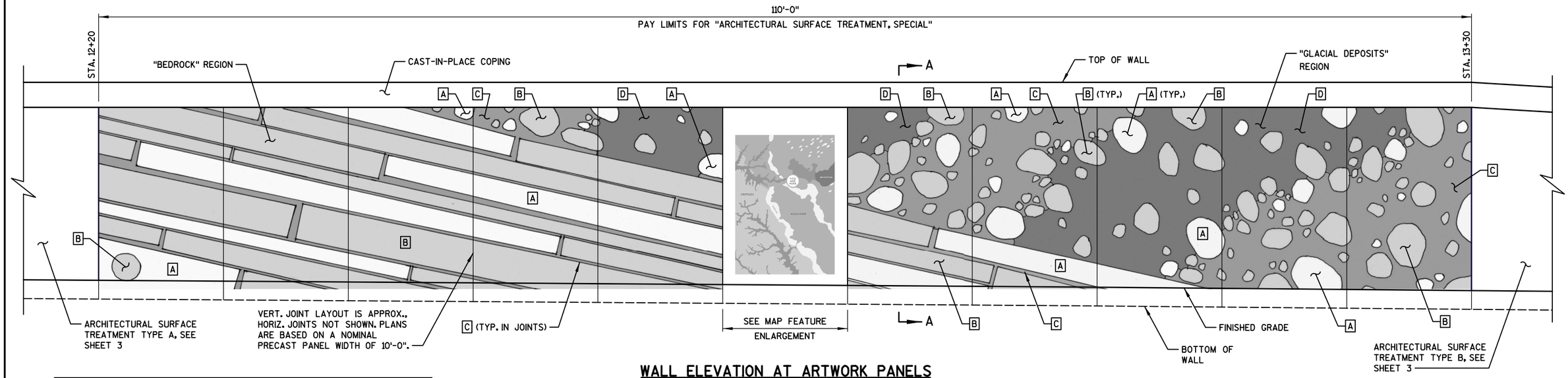
SHEET 3
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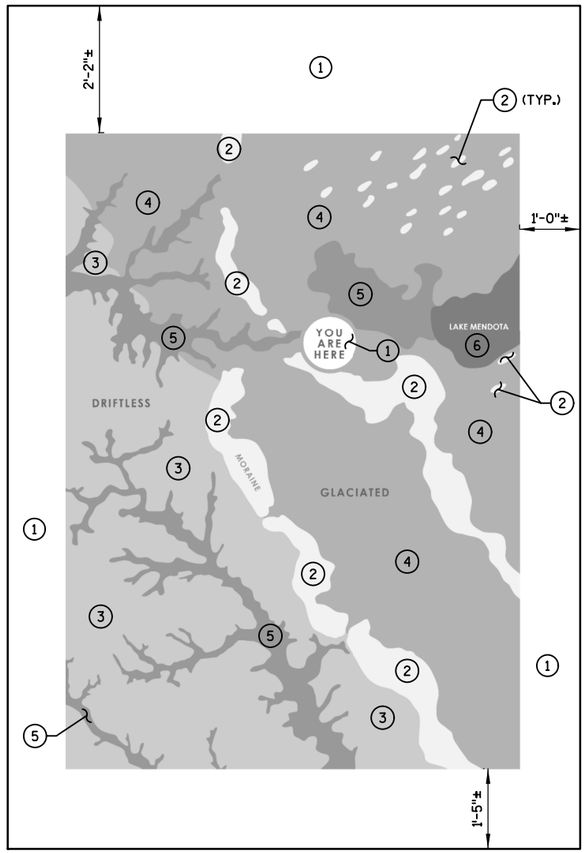
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5992-11-01



WALL ELEVATION AT ARTWORK PANELS

NOTE: SURFACE FINISH LABELS ARE TYPICAL.
SEE AESTHETIC DETAILS NOTE NO. 6.



MAP FEATURE ENLARGEMENT

NOTE: SURFACE FINISH LABELS ARE TYPICAL.
SEE AESTHETIC DETAILS NOTE NO. 6.

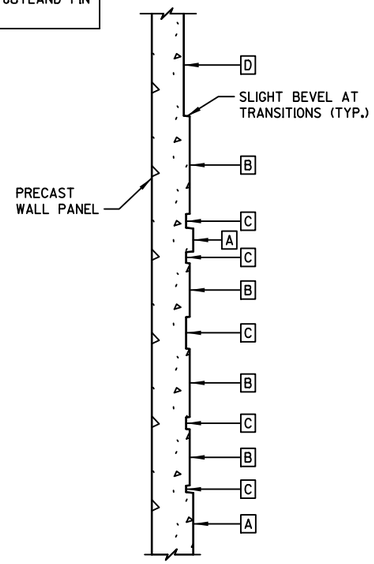
LEGEND - BEDROCK AND GLACIAL DEPOSIT REGIONS

GRAY SHADE	LABEL	RECESS DEPTH	TEXTURE DESCRIPTION
	A	0"	SMOOTH
	B	¾"	FINE SANDBLAST, 1/16" RELIEF
	C	1½"	MEDIUM SANDBLAST, ⅛" RELIEF
	D	2"	FRACTURED FIN PATTERN WITH ⅝" RELIEF ORIENTED HORIZONTALLY. PATTERN SHALL BE NO. 16954, "JUTLAND FIN" FROM FITZGERALD FORM LINERS, OR EQUAL.

LEGEND - MAP FEATURE

GRAY SHADE	LABEL	RECESS DEPTH	TEXTURE DESCRIPTION
	1	0"	SMOOTH
	2	½"	LIGHT SANDBLAST
	3	1"	SMOOTH
	4	1½"	COARSE/HEAVY SANDBLAST
	5	1¾"	LIGHT SANDBLAST
	6	2"	SMOOTH

MAP TEXT:
FONT = CENTURY GOTHIC, BOLD
HEIGHT = 2-INCHES FOR "YOU ARE HERE", "DRIFTLESS", AND "GLACIATED"
HEIGHT = 1.5-INCHES FOR "MORAINE" AND "LAKE MENDOTA"
DEPTH/RECESS = ¼"



SECTION A-A

REFER TO LEGEND FOR TEXTURE AND DEPTH OF EACH SURFACE FEATURE.

AESTHETIC DETAILS NOTES:

1. HIGH RESOLUTION IMAGE FILES OF THE CUSTOM ARTWORK DESIGN ARE AVAILABLE FROM ENGINEER FOR USE IN FABRICATING THE FORM LINER FOR THE CUSTOM ARTWORK DESIGN.
2. REFER TO SPECIAL PROVISIONS FOR "ARCHITECTURAL SURFACE TREATMENT, SPECIAL" SPECIFICATIONS.
3. THE ARTWORK DESIGN CONTAINS THREE PRIMARY GRAPHIC COMPONENTS REFERRED TO AS THE "BEDROCK" REGION TO THE LOWER LEFT AND THE "GLACIAL DEPOSITS" REGION TO THE UPPER RIGHT AND THE "MAP" IN THE MIDDLE.
4. THE TOP OF THE ARTWORK SHALL ALIGN WITH THE BOTTOM OF THE CAST IN PLACE COPING AS SHOWN. THE BOTTOM OF THE ARTWORK SHALL EXTEND BELOW FINISHED GRADE.
5. PRECAST WALL PANEL JOINT LOCATIONS ARE TO BE DETERMINED BY THE MSE WALL SUPPLIER. FORM LINER SUPPLIER SHALL COORDINATE JOINT LOCATIONS WITH WALL SUPPLIER AND SHALL DETAIL THE BORDERS, JOINTS AND TRANSITIONS. FORM LINER SUPPLIER SHALL MAKE MINOR ADJUSTMENTS TO THE ARTWORK GRAPHIC AS APPROPRIATE TO BEST FIT THE ARTWORK FEATURES RELATIVE TO THE PRECAST WALL PANEL JOINTS.
6. THE FEATURE LABELS ON BOTH THE OVERALL ELEVATION AND THE MAP ELEVATION ARE INTENDED TO SUPPLEMENT THE LEGEND TO IMPROVE CLARITY OF DESIGN INTENT. ALL LABELS SHOULD BE CONSIDERED TYPICAL AND SHALL BE APPLIED TO THE OTHER UNLABELED ELEMENTS OF THE SAME SHADE OF GRAY. FORM LINER SHOP DRAWING SUBMITTAL SHALL BE FULLY DETAILED TO DEFINE THE DEPTH AND FINISH TEXTURE OF ALL THE ARTWORK DESIGN ELEMENTS FOR REVIEW BY ENGINEER PRIOR TO FABRICATION.
7. MAP FEATURE FOR THIS WALL MATCHES THE MAP FEATURE FOR WALL R-13-367 EXCEPT THE MAP ON R-13-367 IS A TRUNCATED VERSION OF THIS MAP TO FIT THE WALL HEIGHT.

NO.	DATE	REVISION	BY

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STRUCTURE R-13-366

DRAWN BY DTH | PLANS CK'D. EJC

AESTHETIC DETAILS

SHEET 4
790

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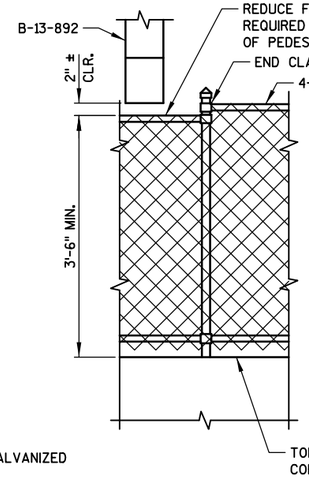
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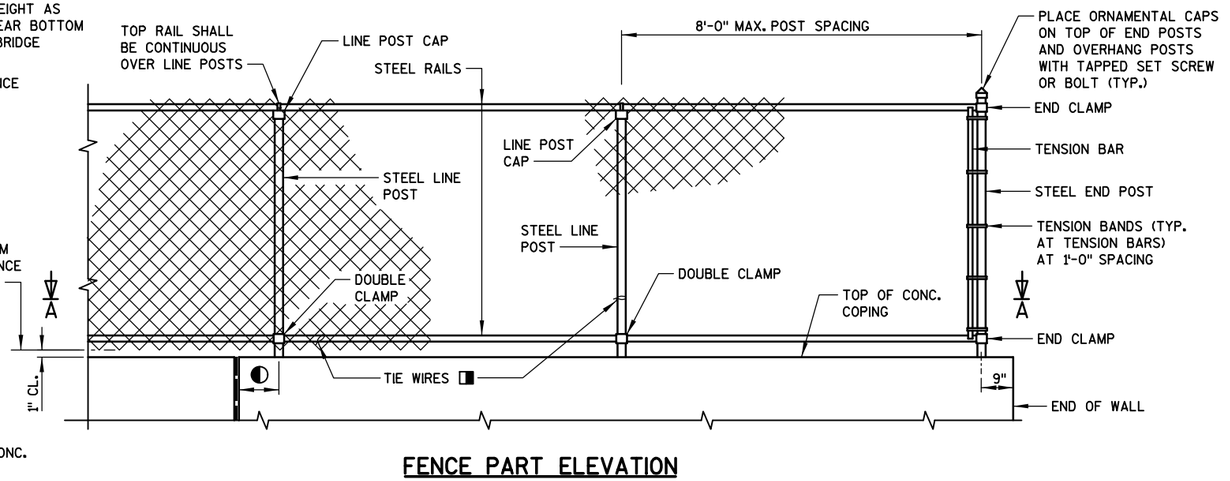
FENCE MEMBER SIZE & WEIGHT

STEEL FENCE MEMBER	OUTSIDE DIAMETER (INCHES)	WEIGHT (LB/FT)
RAILS	1.660	2.27
END POST	2.875	5.80
OVERHANG POST	2.875	5.80
LINE POST	2.375	3.65
POST SLEEVE	4.000	9.12



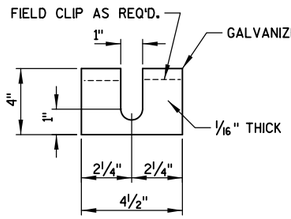
FENCE ELEVATION AT BRIDGE

VIEWING FABRIC SIDE



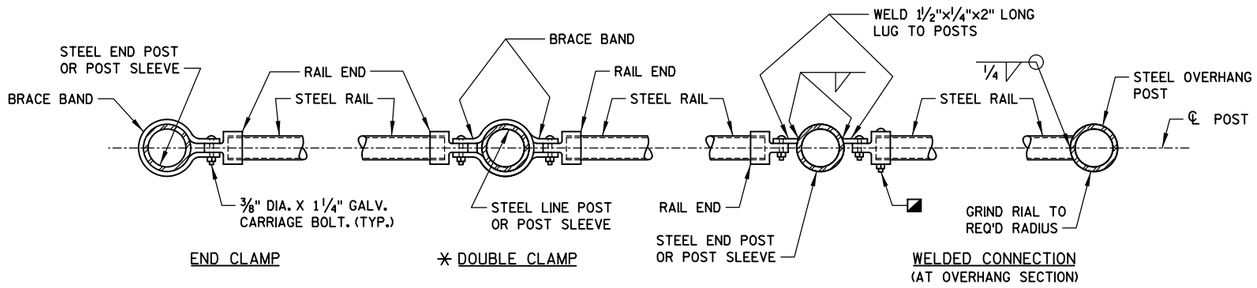
FENCE PART ELEVATION

VIEWING FABRIC SIDE



POST SHIM DETAILS

SHIMS REQUIRED ONLY WHEN END POSTS AND LINE POSTS ARE WELDED TO BASE PLATES. PROVIDE 4 SHIMS PER POST. USE WHERE REQUIRED FOR ALIGNMENT.

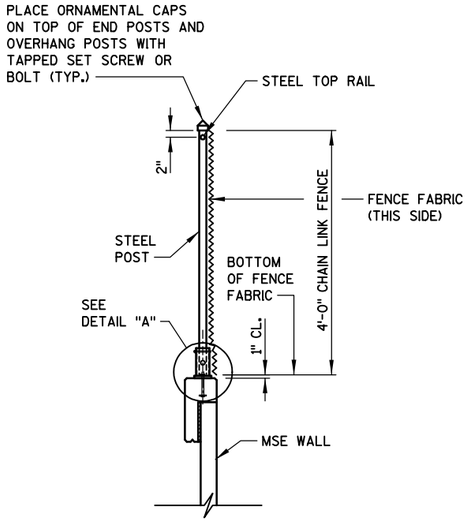


END CLAMP ✳ DOUBLE CLAMP

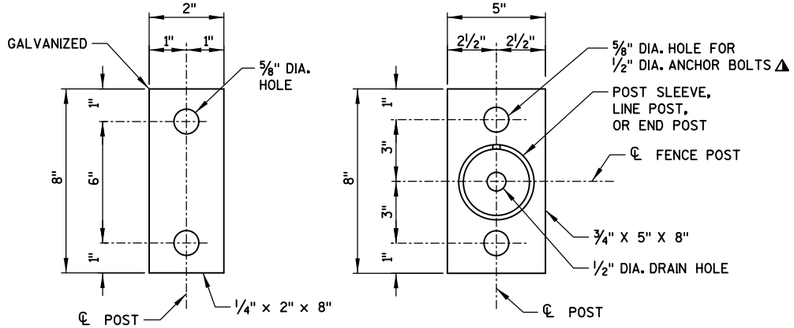
WELDED CONNECTION (AT OVERHANG SECTION)

SECTION A-A

NOTE: PLACE ALL BOLT HEADS ON SIDE OF FENCE ADJACENT TO PEDESTRIANS



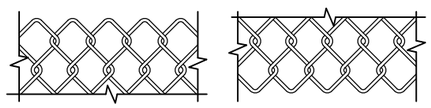
SECTION THRU FENCE



ANCHOR PLATE

☆ NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.

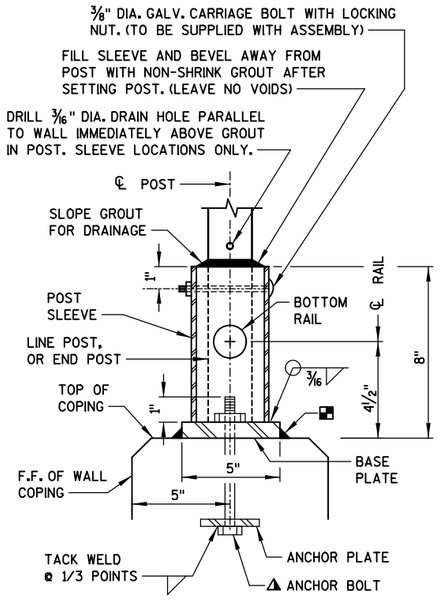
BASE PLATE



TOP DETAIL BOTTOM DETAIL

FENCE FABRIC

FENCE FABRIC WOVEN OF 9-GAGE WIRE IN 2" DIAMOND PATTERN MESH WITH BOTH THE TOP AND BOTTOM SELVAGES KNUCKLED.



DETAIL 'A'

UNIT SHALL BE GALVANIZED AFTER FABRICATION.
NOTE: IN LIEU OF USING THE POST SLEEVE, THE FENCE POST MAY BE WELDED TO THE BASE PLATE.

GENERAL NOTES

THE BID ITEM SHALL BE "FENCE CHAIN LINK POLYMER-COATED 4-FT R-13-366". BID ITEM INCLUDES ALL ITEMS SHOWN.

POSTS ARE TO BE SET VERTICAL.

ALL FENCE COMPONENTS SHALL BE GALVANIZED STEEL WITH A COLORED POLYMER-COATING ON THE OUTSIDE.

FABRIC SHALL CONFORM TO ASTM F668, CLASS 2B. STEEL RAILS, POSTS AND POST SLEEVES SHALL CONFORM TO ASTM F1083, STANDARD WEIGHT PIPE (SCHEDULE 40). FITTINGS SHALL CONFORM TO ASTM F626. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

THE COLOR OF POLYMER-COATING FOR THIS STRUCTURE SHALL BE BLACK IN ACCORDANCE WITH ASTM F934.

COMPLETE ANY REQUIRED WELDING OF COMPONENTS BEFORE GALVANIZING.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

BASE PLATES, ANCHOR PLATES AND SHIMS SHALL BE ASTM A709, GRADE 36.

ALL POST SPACINGS ARE MEASURED HORIZONTALLY ALONG THE C/L OF THE POST.

◪ CAULK AROUND PERIMETER OF BASE PLATE AND FILL PORTION OF SLOTTED HOLE AROUND ANCHOR BOLT IN SHIM WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

✳ ALTERNATE TO DOUBLE CLAMP: USE LINE RAIL CLAMP (BOULEVARD) OR 180° BRACE BAND, WHICH MAY BE USED WHEN THE POSTS ARE EITHER BOLTED TO THE POST SLEEVES OR DIRECTLY WELDED TO THE BASE PLATE.

△ ANCHOR BOLTS, NUTS AND WASHERS SHALL BE EITHER STAINLESS STEEL OR ASTM 307. IF 307 IS USED, ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED. ☆

☆ ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS 1/2-INCH, EMBED 7" IN CONCRETE. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 AND 502.3.14 OF THE STANDARD SPECIFICATIONS.

◪ BOLT RAIL TO RAIL END TO SECURE OVERHANG SECTION. ALTERNATE IS TO WELD RAIL DIRECTLY TO END POST.

◐ 1'-0" MIN. DISTANCE BETWEEN CENTERLINE OF COPING JOINTS (BOTH EXPANSION AND CONTRACTION) AND CENTERLINE OF FENCE POSTS.

MINIMUM LENGTH OF TOP RAIL BETWEEN SPLICES SHALL BE 20'-0". LOCATE SPLICES NEAR 1/4 POINT OF POST SPACING.

◨ ATTACH FABRIC TO RAILS AND TO POSTS WITHOUT TENSION BANDS, WITH TIE WIRES (ROUND, 9-GAGE) SPACED AT 1'-0".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-366

DRAWN BY DTH | PLANS CK'D. EJC

FENCE DETAILS

SHEET 5
791

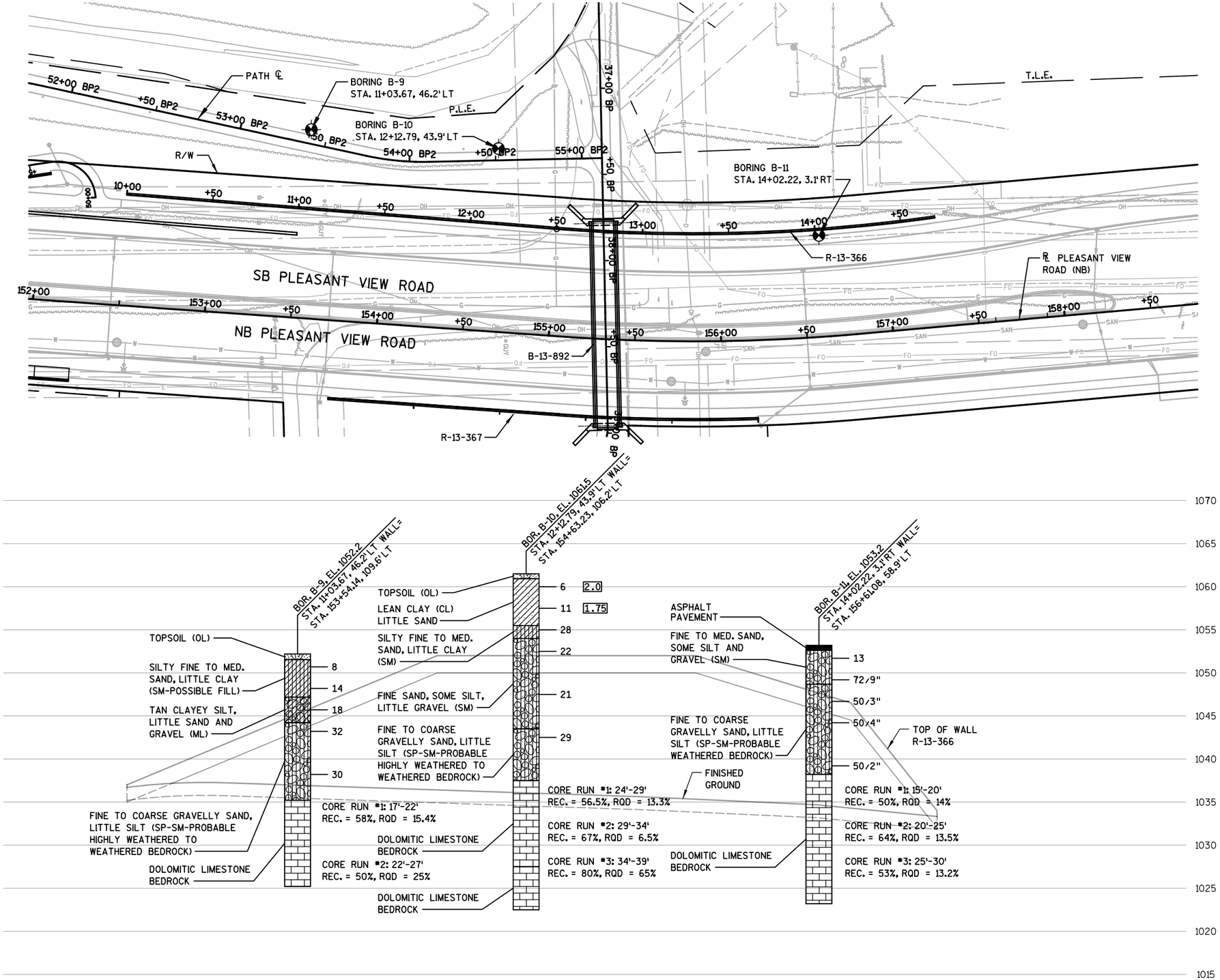
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BORINGS PERFORMED BY BADGER STATE DRILLING ON 1/29/2021 AND 2/2/2021.

GEOTECHNICAL REPORT PREPARED BY:
CGC INC.
2921 PERRY STREET
MADISON, WI 53713



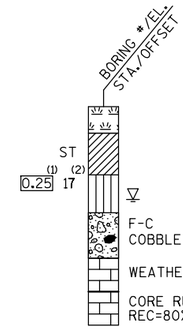
STATE PROJECT NUMBER

5992-11-01

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- ▽ AT TIME OF DRILLING
- ▼ END OF DRILLING
- ▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-366

DRAWN BY DTH | PLANS CK'D. EJC

SUBSURFACE EXPLORATION

SHEET 6
792

SCALE =

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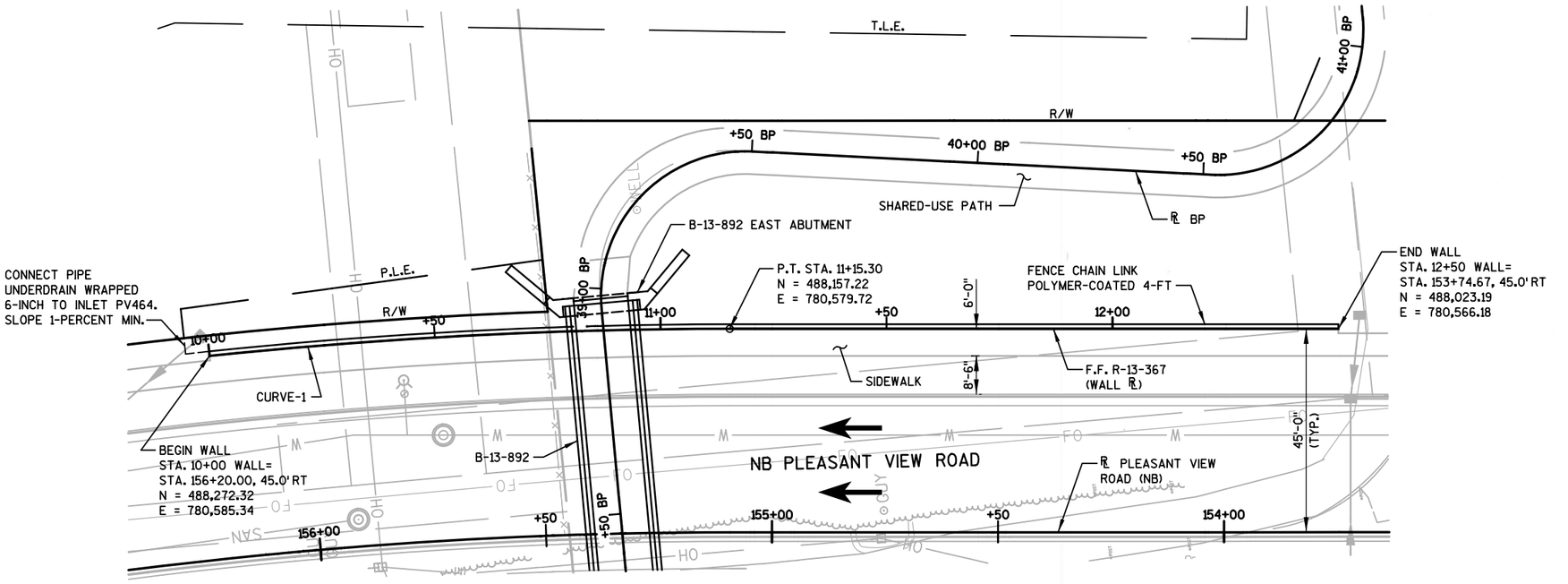
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LIMITED UTILITY INFORMATION IS PROVIDED ON THIS SHEET. REFER TO ROADWAY PLANS AND SPECIAL PROVISIONS FOR ADDITIONAL UTILITY INFORMATION.

STATE PROJECT NUMBER

5992-11-01



PLAN
(MSE PANEL WALL)

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-13-367".

PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN IN THIS PLAN.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN ON THE TYPICAL SECTION AND ROADWAY CROSS SECTIONS.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 100 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL INTHE REINFORCED ZONE SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

MATERIAL PROPERTITES

CONCRETE MASONRY _____ f'c = 3,500 PSI

HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60 _____ Fy = 60,000 PSI

PRECAST CONCRETE WALL PANELS _____ f'c = 4,000 PSI

LEGEND

F.F. = FRONT FACE
B.F. = BACK FACE
R/W = RIGHT-OF-WAY
T.L.E. = TEMPORARY LIMITED EASEMENT
P.L.E. = PERMANENT LIMITED EASEMENT
℄ = CENTER LINE
℄ = REFERENCE LINE

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. CROSS SECTION, QUANTITIES & NOTES
3. SOIL DATA & WALL DETAILS
4. AESTHETIC DETAILS
5. FENCE DETAILS
6. SUBSURFACE EXPLORATION

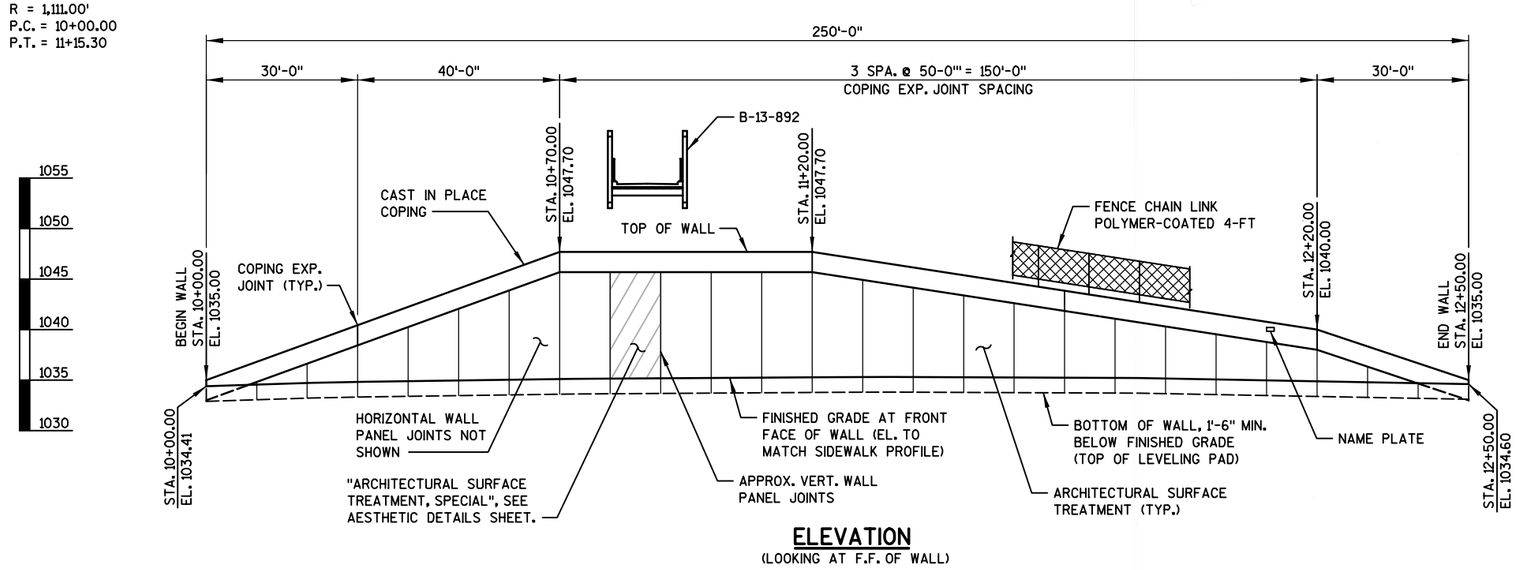
STRUCTURE DESIGN CONTACTS

BRIDGE OFFICE CONTACT:
AARON BONK (608) 261-0261

DESIGN CONSULTANT CONTACT:
BRETT OFTEDAHL (608) 251-4843

HORIZONTAL CURVE DATA

CURVE-1
P.I. = 10+57.70
Y = 488,214.62
X = 780,585.52
DELTA = 5°56'46" (RT)
D = 5°09'26"
T = 57.70'
L = 115.30'
R = 1,111.00'
P.C. = 10+00.00
P.T. = 11+15.30



ELEVATION
(LOOKING AT F.F. OF WALL)

WISCONSIN
BRETT M. OFTEDAHL
E-41128
MADISON, WI
PROFESSIONAL ENGINEER
2/1/2022

NO.	DATE	REVISION	BY

STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
MADISON, WISCONSIN 53715
(608)-251-4843
(608) 251-8655 FAX
WWW.STRAND.COM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED SDR 02/23/22
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-13-367

EAST SIDE OF PLEASANT VIEW RD AT B-13-892

COUNTY	~~TOWN~~/CITY/~~VILLAGE~~
DANE	MIDDLETON

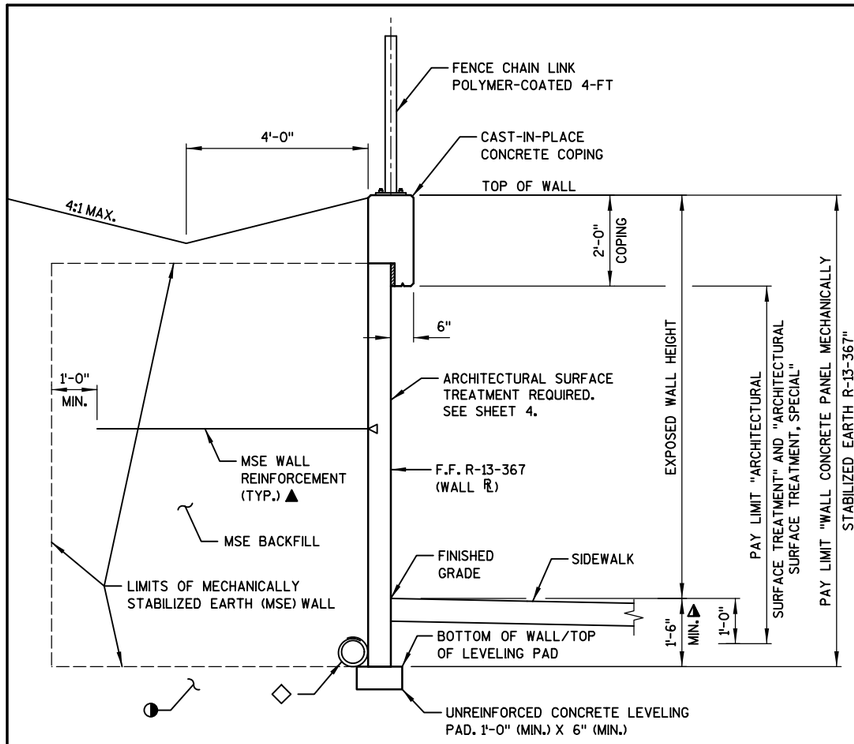
DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
ECB	BMO	DTH	EJC

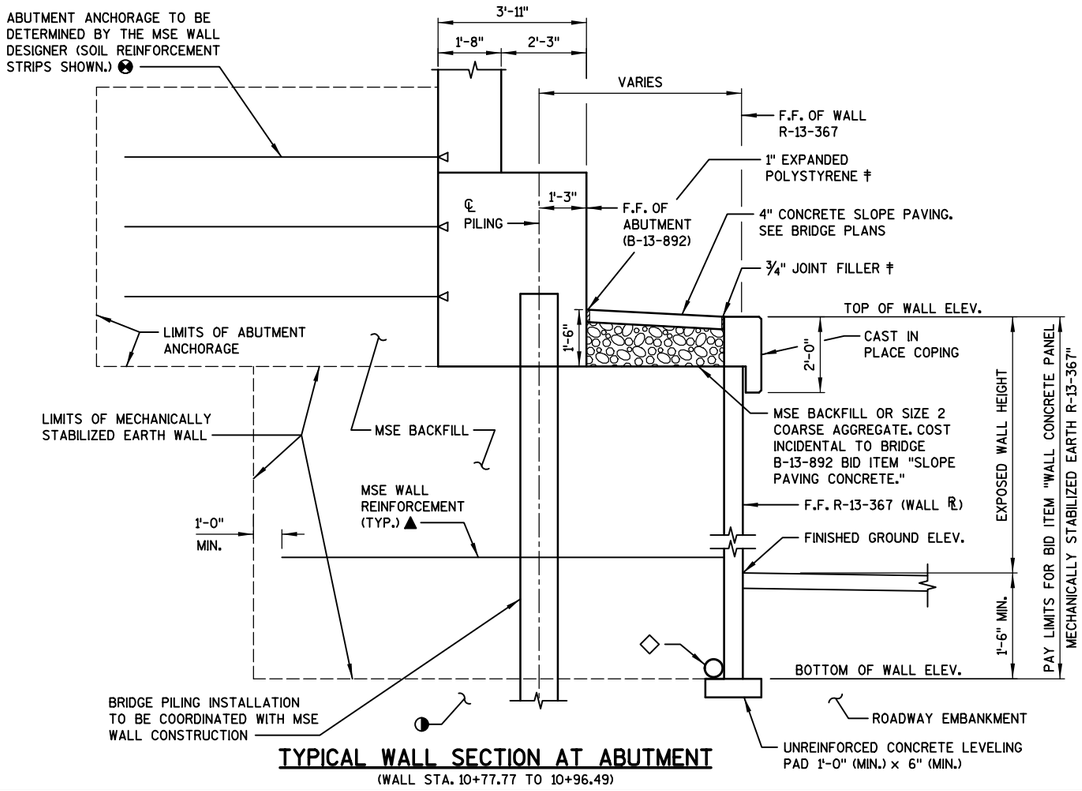
GENERAL PLAN & ELEVATION

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TYPICAL SECTION THRU MSE RETAINING WALL

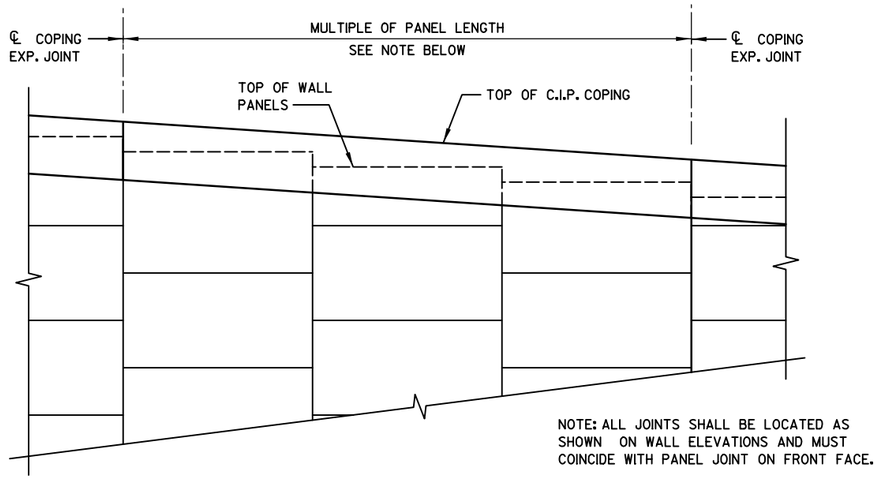


TYPICAL WALL SECTION AT ABUTMENT

(WALL STA. 10+77.77 TO 10+96.49)

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	QUANTITY
517.1050.S.04	ARCHITECTURAL SURFACE TREATMENT R-13-367	SF	1,665
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	260
SPV.0090.13	FENCE CHAIN LINK POLYMER-COATED 4-FT R-13-367	LF	250
SPV.0165.05	WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH, R-13-367	SF	2,405
SPV.0165.13	ARCHITECTURAL SURFACE TREATMENT, SPECIAL	SF	115
	NON-BID ITEMS		
	EXPANDED POLYSTYRENE	SIZE	1"
	NAME PLATE		
	PREFORMED JOINT FILLER	SIZE	3/4"



C.I.P. COPING PARTIAL ELEVATION

LEGEND

▲ MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS SHALL BE 70% OF THE TOTAL WALL HEIGHT (EXPOSED HEIGHT PLUS EMBEDMENT DEPTH) OR 8.0 FEET, WHICHEVER IS GREATER. SOIL REINFORCING MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.

◇ PIPE UNDERDRAIN WRAPPED (6-INCH) SLOPE 0.5% MIN. TO INLET AT NORTH END OF WALL.

▲ MINIMUM EMBEDMENT BASED ON SITE SPECIFIC PARAMETERS (1'-6" MINIMUM FOR ALL WALLS ON LEVEL GROUND). FIELD EMBEDMENT SHALL MEET OR EXCEED THE MINIMUM EMBEDMENT. FIELD EMBEDMENT BELOW MINIMUM EMBEDMENT SHALL NOT BE INCLUDED IN THE PAY LIMITS.

◑ ROCK EXCAVATION IS ANTICIPATED TO BE NEEDED FOR WALL CONSTRUCTION. ALL EXCAVATION NEEDED FOR WALL CONSTRUCTION IS INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH".

† SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SUFRACES OF FILLER AND EXPANDED POLYSTYRENE WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1"Ø8" BELOW SURFACE OF CONCRETE).

⊗ UNFACTORED SUPERSTRUCTURE LATERAL LOADS TRANSFERRED TO THE ABUTMENT ARE TAKEN TO BE KIPS PER FOOT OF ABUTMENT LENGTH. THE VALUES ARE TO BE USED FOR THE LRFD DESIGN OF THE ABUTMENT ANCHORAGE BY THE MSE WALL MANUFACTURER. THE FOLLOWING AASHTO LINE LOADS SHALL BE INCLUDED IN THE DESIGN:

BR = 0.24 KLF, WS = 0.86 KLF
TU = 1.00 KLF, WL = N/A

THE ABUTMENT ANCHORAGE AND CONNECTION TO THE ABUTMENT ARE INCLUDED WITH THE BID ITEM "ABUTMENT ANCHORAGE" AS SHOWN ON THE B-13-892 BRIDGE PLANS.

GEOMETRY TABLE

WALL STATION	ROADWAY STATION	OFFSET TO F.F. WALL	TOP OF WALL ELEV.	FINISHED GRADE ELEV.
10+00.00	156+20.00	45.00	1035.00	1034.41
10+25.00	155+96.01	45.00	1039.54	1034.77
10+50.00	155+72.03	45.00	1044.07	1034.98
10+70.00	155+52.84	45.00	1047.70	1035.12
10+75.00	155+48.04	45.00	1047.70	1035.14
11+00.00	155+24.05	45.00	1047.70	1035.22
11+20.00	155+04.67	45.00	1047.70	1035.30
11+25.00	154+99.67	45.00	1047.32	1035.30
11+50.00	154+74.67	45.00	1045.39	1035.28
11+75.00	154+49.67	45.00	1043.47	1035.23
12+00.00	154+24.67	45.00	1041.54	1035.06
12+20.00	154+04.67	45.00	1040.00	1034.88
12+25.00	153+99.67	45.00	1039.17	1034.83
12+50.00	153+74.67	45.00	1035.00	1034.60

STATE PROJECT NUMBER

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GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

THE PLAN QUANTITY FOR THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-13-367" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

ALL DIMENSIONS, STATIONS, AND OFFSETS ARE GIVEN AT THE FRONT FACE OF WALL, UNLESS OTHERWISE SHOWN.

BAR STEEL REINFORCEMENT FOR CAST IN PLACE CONCRETE COPING SHALL BE EPOXY COATED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

BEVEL EXPOSED EDGES OF CONCRETE ¾-INCH UNLESS NOTED OTHERWISE.

A NAME PLATE SHALL BE PLACED AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

A GEOTECHNICAL REPORT HAS BEEN PREPARED FOR THIS STRUCTURE AND IS AVAILABLE UPON REQUEST.

THE PLANS AND DETAILS ARE BASED ON A NOMINAL PRECAST PANEL WIDTH OF 10'-0". IF THE FABRICATED PANEL SIZES DIFFER FROM PLAN DIMENSIONS, CONTRACTOR IS RESPONSIBLE TO COORDINATE REVISED JOINT LOCATIONS, REINFORCEMENT LENGTHS, RAILING REVISIONS AND ANY OTHER REVISIONS ASSOCIATED WITH USING A DIFFERENT PANEL SIZE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-367

DRAWN BY DTH | PLANS CK'D. BMO

CROSS SECTION, QUANTITIES & NOTES

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STATE PROJECT NUMBER

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SOIL PARAMETERS

STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT	FRICTION ANGLE (DEGREES)	COHESION (PSF)
GRANULAR BACKFILL (REINFORCING ZONE OR BACKFILL)	120	30	0
GRANULAR RETAINED SOIL *	120	30	0
BOR B-12			
MEDIUM DENSE SAND ELEV. 1050.4-1044.4	120	32	0
VERY DENSE SAND (WEATHERED BEDROCK) ELEV. 1044.4-1041.4	130	38	0
BEDROCK ELEV. 1041.4-1023.9	140	40	0
BOR B-13			
STIFF CLAY ELEV. 1058.3-1055.3	115	28	100
MEDIUM DENSE SAND AND WEATHERED BEDROCK ELEV. 1055.3-1041.3	125	34	0
BEDROCK ELEV. 1041.3-1021.3	140	40	0

* DESIGN WALL FOR THESE VALUES.

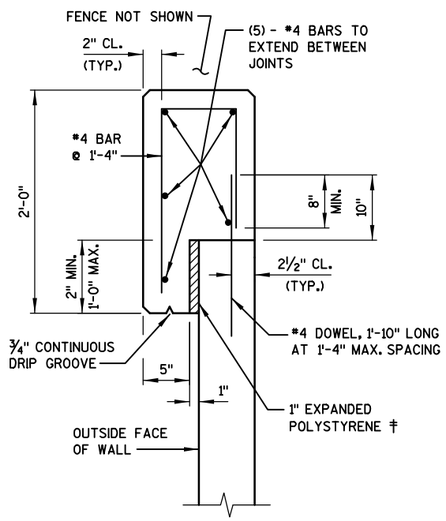
WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	EVALUATED LOCATIONS		
WALL HEIGHT (FEET)[1]	13.5	13.7	10.3
EXPOSED WALL HEIGHT (FEET)	12.0	12.2	8.8
◪ MINIMUM LENGTH OF REINFORCEMENT (FEET)	12.5	16.0	10.0
WALL STATION	11+20	10+70 (ABUT.)	10+50
BORING USED	B-12	B-13	B-13
CAPACITY TO DEMAND RATIO (CDR)[2,3]			
SLIDING (CDR>1.0)	1.00	1.00	1.00
ECCENTRICITY (CDR>1.0)	2.54	2.20	2.75
OVERALL STABILITY (CDR>1.0)	1.69	1.67	1.50
BEARING RESISTANCE (CDR>1.0)	1.90	2.04	2.45
FACTORED BEARING RESISTANCE (PSF)	6,500	6,500	6,500

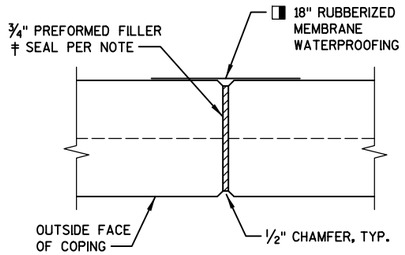
NOTES:
1. THE WALL HEIGHT INCLUDES AN EMBEDMENT OF 1.5 FT.
2. THE WALL STABILITY EVALUATION INCLUDED A TYPICAL SURCHARGE LOAD OF 100 PSF.
3. CDR VALUES ARE PRESENTED IN CHAPTER 14 OF THE WISDOT BRIDGE MANUAL.

◪ THE LENGTHS PROVIDED IN THE TABLE ARE THE MINIMUM REQUIRED REINFORCEMENT LENGTHS BASED UPON THE MINIMUM DESCRIBED IN THE WALL SYSTEM SPECIAL PROVISIONS FOR EXTERNAL AND OVERALL STABILITY AT THE DESIGNATED LOCATIONS. THESE DESIGNATED LOCATIONS REPRESENT TYPICAL AND CRITICAL WALL LOCATIONS, BUT SHALL NOT BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR DESIGN LENGTHS SHALL MEET OR EXCEED THE MINIMUM VALUES REPRESENTED IN THE TABLE AT THESE DESIGNATED LOCATIONS. FINAL DESIGN FOR INTERNAL STABILITY AND EXTERNAL SLIDING AND ECCENTRICITY AT OTHER WALL STATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

NOTES:
1. SETTLEMENT IS ESTIMATED TO BE LESS THAN 0.5".
2. THE PROJECT SOILS ENGINEER SHOULD REVIEW THE SUBSURFACE CONDITIONS PRIOR TO CONSTRUCTION OF THE WALLS TO DETERMINE IF THE SOILS HAVE THE MINIMUM BEARING STRENGTH SHOWN IN THE TABLE ABOVE.
3. FINAL DESIGN FOR SLIDING, ECCENTRICITY, AND BEARING RESISTANCE AT OTHER WALL STATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.



CAST-IN-PLACE CONCRETE COPING DETAIL

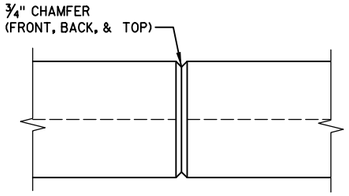


COPING EXPANSION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 50'

◨ MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO 6" BELOW TOP OF PANELS. MEMBRANE WATERPROOFING INCLUDED IN BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH".

‡ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE.)



COPING CONTRACTION JOINT

DO NOT RUN BAR STEEL THRU JOINT. MAX. SPACING OF JOINT = 10'. SET JOINT LOCATION TO ALIGN WITH PANEL JOINT BELOW.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-367

DRAWN BY DTH | PLANS CK'D. EJC

SOIL DATA & WALL DETAILS

SHEET 3
795

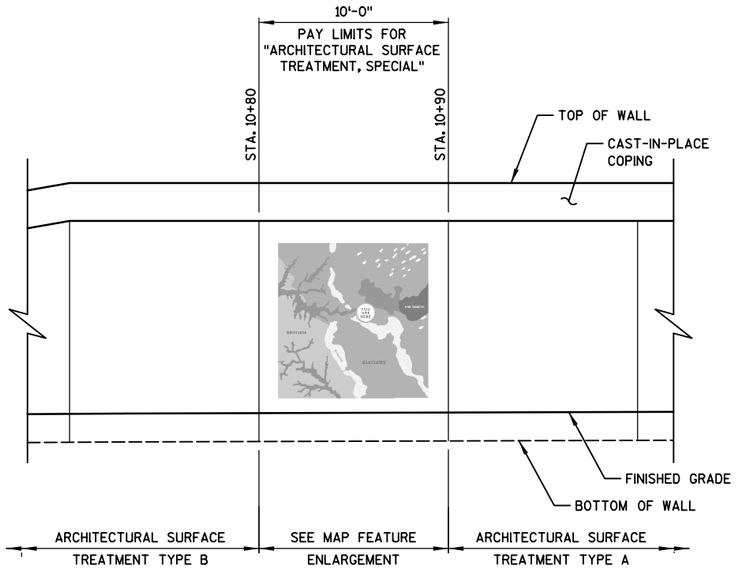
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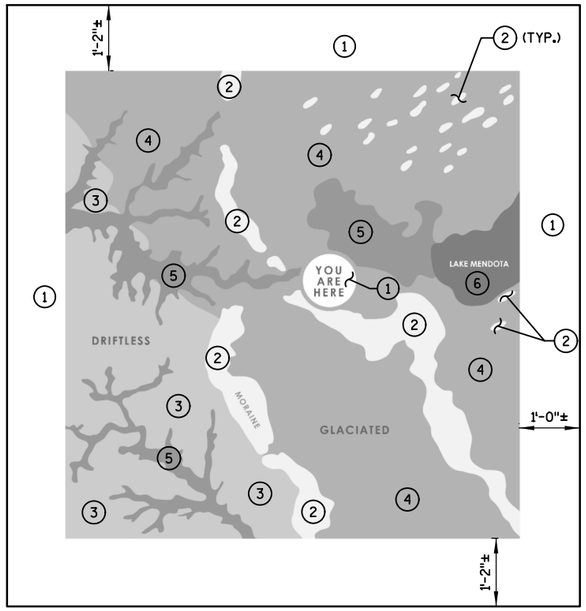
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STATE PROJECT NUMBER

5992-11-01



WALL ELEVATION AT ARTWORK PANELS



MAP FEATURE ENLARGEMENT

NOTE: SURFACE FINISH LABELS ARE TYPICAL. SEE AESTHETIC DETAILS NOTE NO. 4.

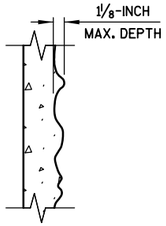
LEGEND - MAP FEATURE

GRAY SHADE	LABEL	RECESS DEPTH	TEXTURE DESCRIPTION
	(1)	0"	SMOOTH
	(2)	½"	LIGHT SANDBLAST
	(3)	1"	SMOOTH
	(4)	1½"	COARSE/HEAVY SANDBLAST
	(5)	1¾"	LIGHT SANDBLAST
	(6)	2"	SMOOTH

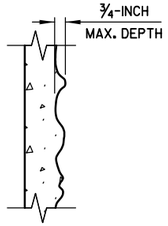
MAP TEXT:
FONT = CENTURY GOTHIC, BOLD
HEIGHT = 2-INCHES FOR "YOU ARE HERE", "DRIFTLESS", AND "GLACIATED"
HEIGHT = 1.5-INCHES FOR "MORAINE" AND "LAKE MENDOTA"
DEPTH/RECESS = ¼"

AESTHETIC DETAILS NOTES:

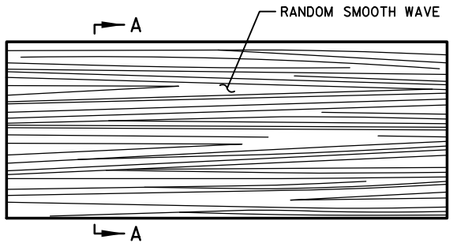
1. HIGH RESOLUTION IMAGE FILES OF THE CUSTOM ARTWORK DESIGN ARE AVAILABLE FROM ENGINEER FOR USE IN FABRICATING THE FORM LINER FOR THE CUSTOM ARTWORK DESIGN.
2. REFER TO SPECIAL PROVISIONS FOR "ARCHITECTURAL SURFACE TREATMENT, SPECIAL" SPECIFICATIONS.
3. PRECAST WALL PANEL JOINT LOCATIONS ARE TO BE DETERMINED BY THE MSE WALL SUPPLIER. FORM LINER SUPPLIER SHALL COORDINATE JOINT LOCATIONS WITH WALL SUPPLIER AND SHALL DETAIL THE BORDERS, JOINTS AND TRANSITIONS. FORM LINER SUPPLIER SHALL MAKE MINOR ADJUSTMENTS TO THE ARTWORK GRAPHIC AS APPROPRIATE TO BEST FIT THE ARTWORK FEATURES RELATIVE TO THE PRECAST WALL PANEL JOINTS.
4. THE FEATURE LABELS ARE INTENDED TO SUPPLEMENT THE LEGEND TO IMPROVE CLARITY OF DESIGN INTENT. ALL LABELS SHOULD BE CONSIDERED TYPICAL AND SHALL BE APPLIED TO THE OTHER UNLABELED ELEMENTS OF THE SAME SHADE OF GRAY. FORM LINER SHOP DRAWING SUBMITTAL SHALL BE FULLY DETAILED TO DEFINE THE DEPTH AND FINISH TEXTURE OF ALL THE ARTWORK DESIGN ELEMENTS FOR REVIEW BY ENGINEER PRIOR TO FABRICATION.
5. MAP FEATURE FOR THIS WALL MATCHES THE MAP FEATURE FOR WALL R-13-366 EXCEPT THE BOTTOM PORTION IS OMITTED TO FIT THE DIMENSIONS OF THE WALL.



SECTION A

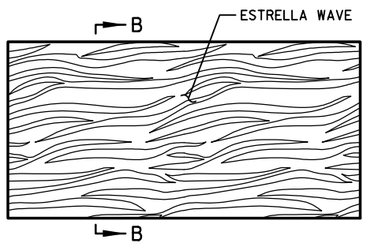


SECTION B



FORM LINER PATTERN - TYPE A

(STA. 10+90 TO STA. 12+50)



FORM LINER PATTERN - TYPE B

(STA. 10+00 TO STA. 10+80)

FORM LINER NOTES

PROVIDE FORM LINER AESTHETIC DETAILS AS SHOWN AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

FORM LINER WAVE PATTERN SHALL BE ORIENTED HORIZONTAL AND CONTINUOUS ACROSS VERTICAL WALL PANEL JOINTS.

FORM LINER PATTERN - TYPE A SHALL BE PATTERN 18030, RANDOM SMOOTH WAVE FROM FITZGERALD FORM LINERS.

FORM LINER PATTERN - TYPE B SHALL BE PATTERN 15405, ESTRELLA WAVE FROM FITZGERALD FORM LINERS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-367

DRAWN BY DTH | PLANS CK'D. EJC

AESTHETIC DETAILS

SHEET 4
796

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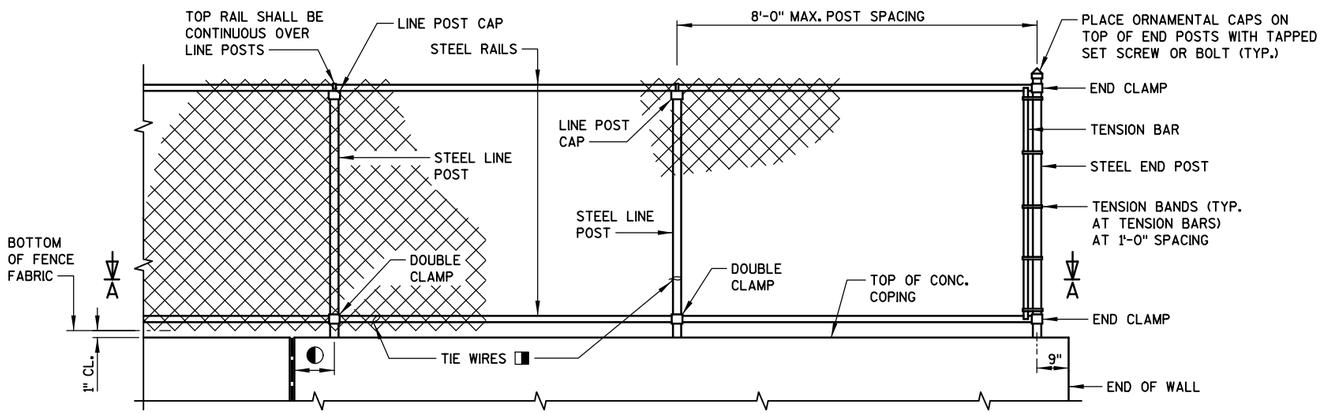
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STATE PROJECT NUMBER

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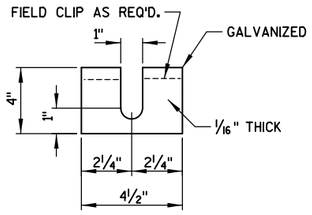
FENCE MEMBER SIZE & WEIGHT

STEEL FENCE MEMBER	OUTSIDE DIAMETER (INCHES)	WEIGHT (LB/FT)
RAILS	1.660	2.27
END POST	2.875	5.80
OVERHANG POST	2.875	5.80
LINE POST	2.375	3.65
POST SLEEVE	4.000	9.12



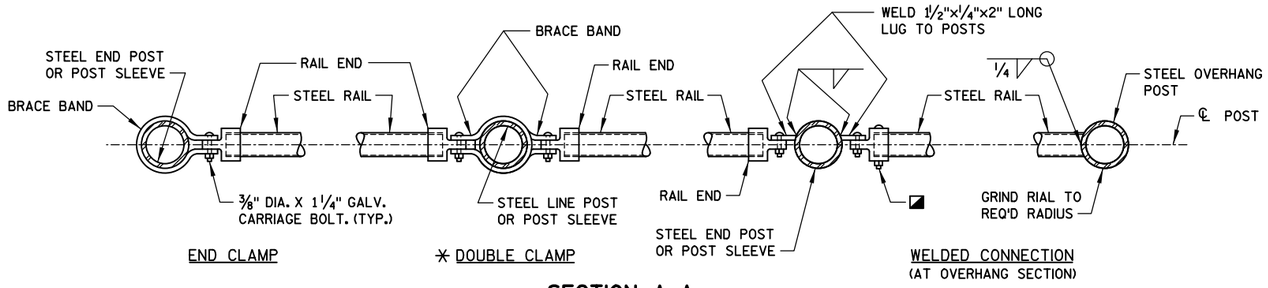
FENCE PART ELEVATION

VIEWING FABRIC SIDE



POST SHIM DETAILS

SHIMS REQUIRED ONLY WHEN END POSTS AND LINE POSTS ARE WELDED TO BASE PLATES. PROVIDE 4 SHIMS PER POST. USE WHERE REQUIRED FOR ALIGNMENT.



END CLAMP ✳ DOUBLE CLAMP WELDED CONNECTION (AT OVERHANG SECTION)

SECTION A-A

NOTE: PLACE ALL BOLT HEADS ON SIDE OF FENCE ADJACENT TO PEDESTRIANS

GENERAL NOTES

THE BID ITEM SHALL BE "FENCE CHAIN LINK POLYMER-COATED 4-FT R-13-367". BID ITEM INCLUDES ALL ITEMS SHOWN.

POSTS ARE TO BE SET VERTICAL.

ALL FENCE COMPONENTS SHALL BE GALVANIZED STEEL WITH A COLORED POLYMER-COATING ON THE OUTSIDE.

FABRIC SHALL CONFORM TO ASTM F668, CLASS 2B. STEEL RAILS, POSTS AND POST SLEEVES SHALL CONFORM TO ASTM F1083, STANDARD WEIGHT PIPE (SCHEDULE 40). FITTINGS SHALL CONFORM TO ASTM F626. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

THE COLOR OF POLYMER-COATING FOR THIS STRUCTURE SHALL BE BLACK IN ACCORDANCE WITH ASTM F934.

COMPLETE ANY REQUIRED WELDING OF COMPONENTS BEFORE GALVANIZING.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

BASE PLATES, ANCHOR PLATES AND SHIMS SHALL BE ASTM A709, GRADE 36.

ALL POST SPACINGS ARE MEASURED HORIZONTALLY ALONG THE C/L OF THE POST.

◪ CAULK AROUND PERIMETER OF BASE PLATE AND FILL PORTION OF SLOTTED HOLE AROUND ANCHOR BOLT IN SHIM WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

✳ ALTERNATE TO DOUBLE CLAMP: USE LINE RAIL CLAMP (BOULEVARD) OR 180° BRACE BAND, WHICH MAY BE USED WHEN THE POSTS ARE EITHER BOLTED TO THE POST SLEEVES OR DIRECTLY WELDED TO THE BASE PLATE.

⚠ ANCHOR BOLTS, NUTS AND WASHERS SHALL BE EITHER STAINLESS STEEL OR ASTM 307. IF 307 IS USED, ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED. ☆

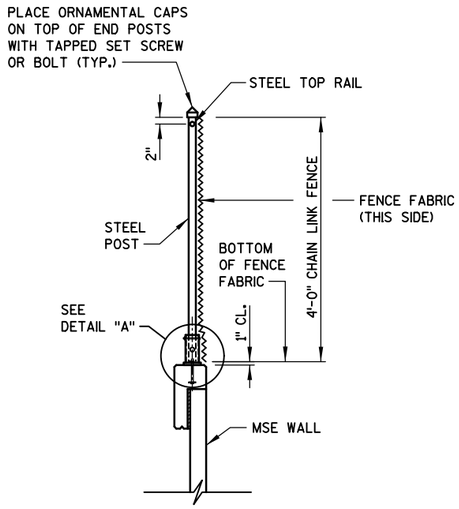
☆ ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ½-INCH, EMBED 7" IN CONCRETE. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 AND 502.3.14 OF THE STANDARD SPECIFICATIONS.

◪ BOLT RAIL TO RAIL END TO SECURE OVERHANG SECTION. ALTERNATE IS TO WELD RAIL DIRECTLY TO END POST.

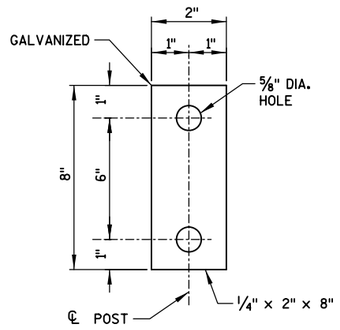
◐ 1'-0" MIN. DISTANCE BETWEEN CENTERLINE OF COPING JOINTS (BOTH EXPANSION AND CONTRACTION) AND CENTERLINE OF FENCE POSTS.

MINIMUM LENGTH OF TOP RAIL BETWEEN SPLICES SHALL BE 20'-0". LOCATE SPLICES NEAR 1/4 POINT OF POST SPACING.

◨ ATTACH FABRIC TO RAILS AND TO POSTS WITHOUT TENSION BANDS, WITH TIE WIRES (ROUND, 9-GAGE) SPACED AT 1'-0".

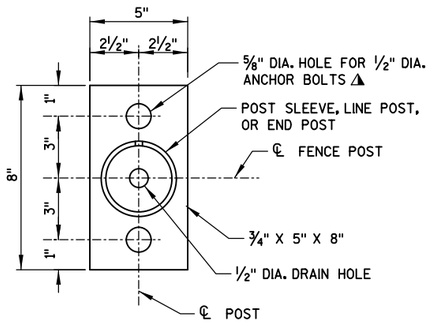


SECTION THRU FENCE

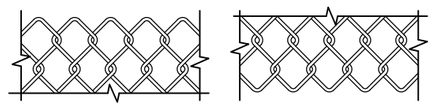


ANCHOR PLATE

☆ NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



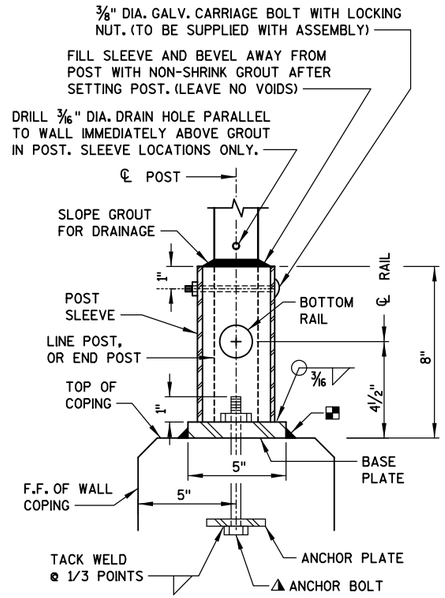
BASE PLATE



TOP DETAIL BOTTOM DETAIL

FENCE FABRIC

FENCE FABRIC WOVEN OF 9-GAGE WIRE IN 2" DIAMOND PATTERN MESH WITH BOTH THE TOP AND BOTTOM SELVAGES KNUCKLED.



DETAIL 'A'

UNIT SHALL BE GALVANIZED AFTER FABRICATION.
NOTE: IN LIEU OF USING THE POST SLEEVE, THE FENCE POST MAY BE WELDED TO THE BASE PLATE.

NO.	DATE	REVISION	BY

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STRUCTURE R-13-367

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FENCE DETAILS

SHEET 5
797

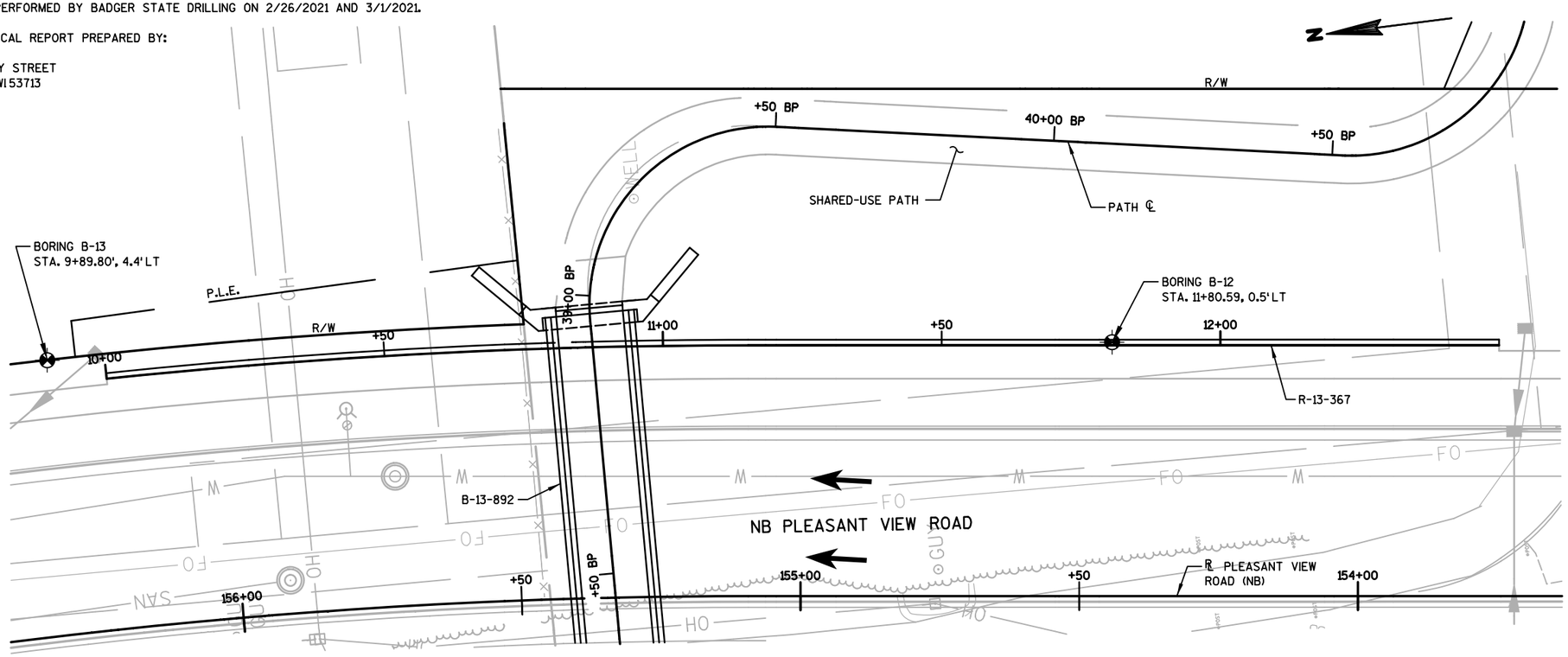
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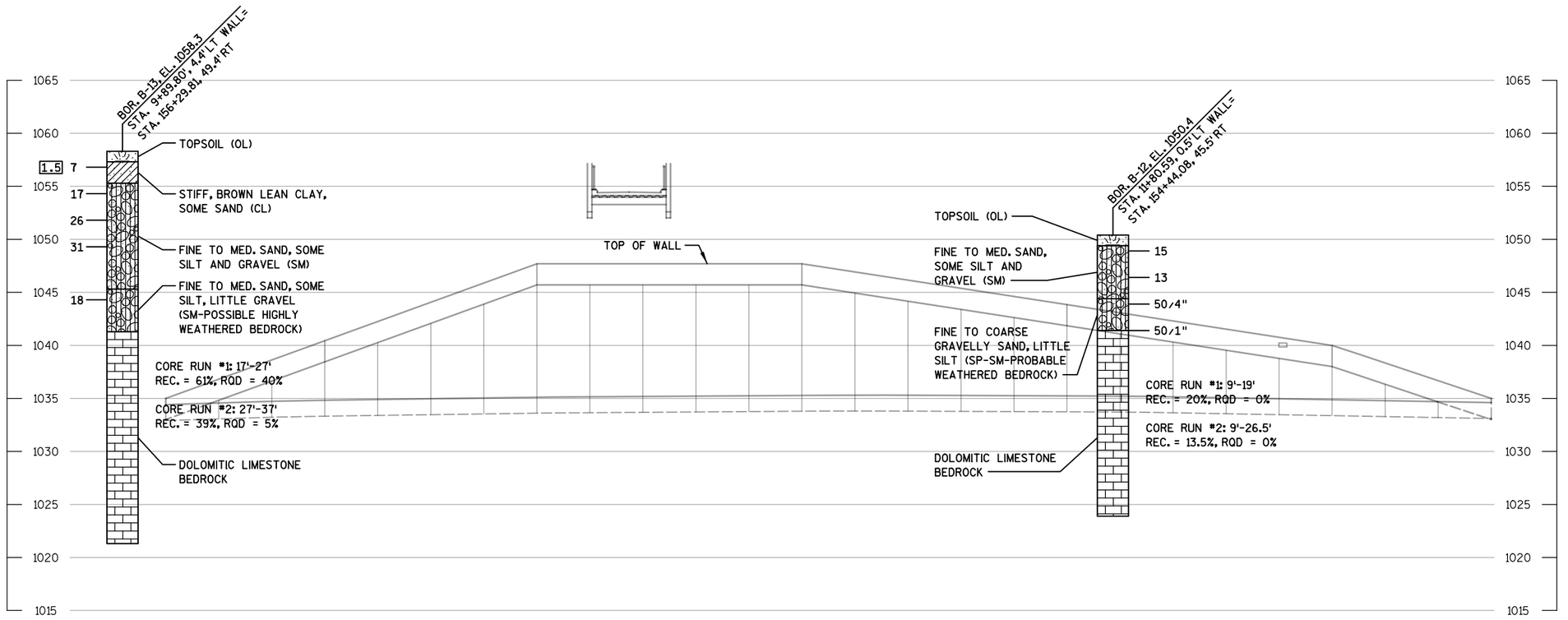
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BORINGS PERFORMED BY BADGER STATE DRILLING ON 2/26/2021 AND 3/1/2021.

GEOTECHNICAL REPORT PREPARED BY:
CGC INC.
2921 PERRY STREET
MADISON, WI 53713





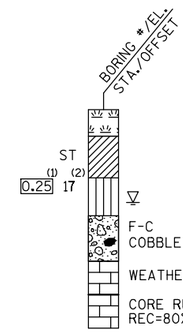
STATE PROJECT NUMBER

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MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- ▽ AT TIME OF DRILLING
- ▼ END OF DRILLING
- ▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-367

DRAWN BY DTH | PLANS CK'D. EJC

SUBSURFACE EXPLORATION

SHEET 6
798

SCALE =

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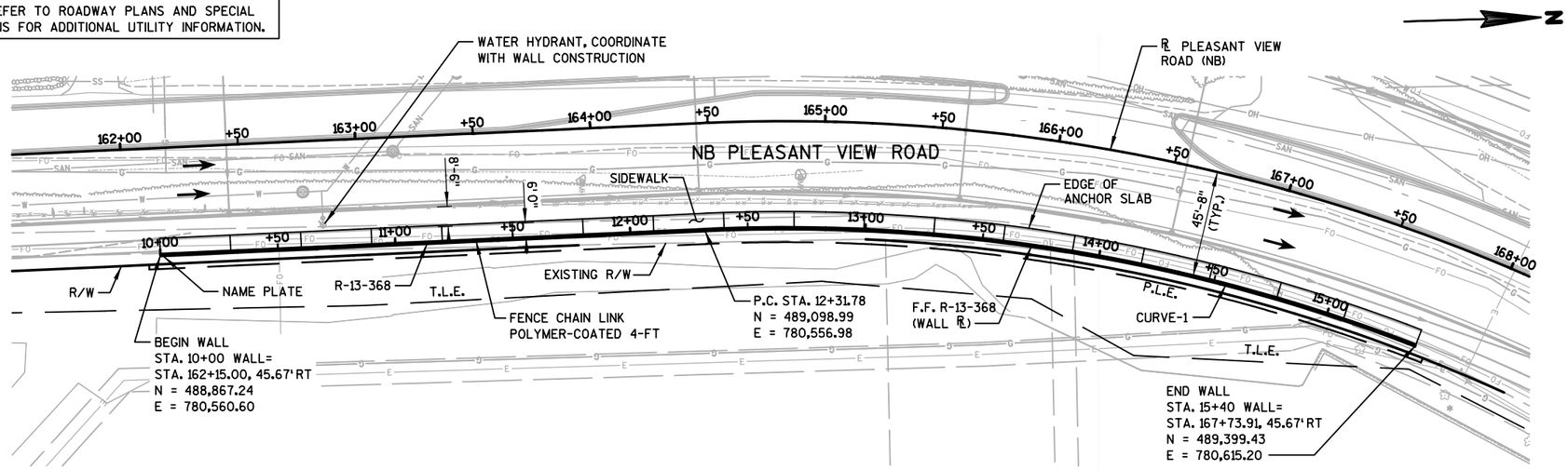
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LIMITED UTILITY INFORMATION IS PROVIDED ON THIS SHEET. REFER TO ROADWAY PLANS AND SPECIAL PROVISIONS FOR ADDITIONAL UTILITY INFORMATION.

STATE PROJECT NUMBER

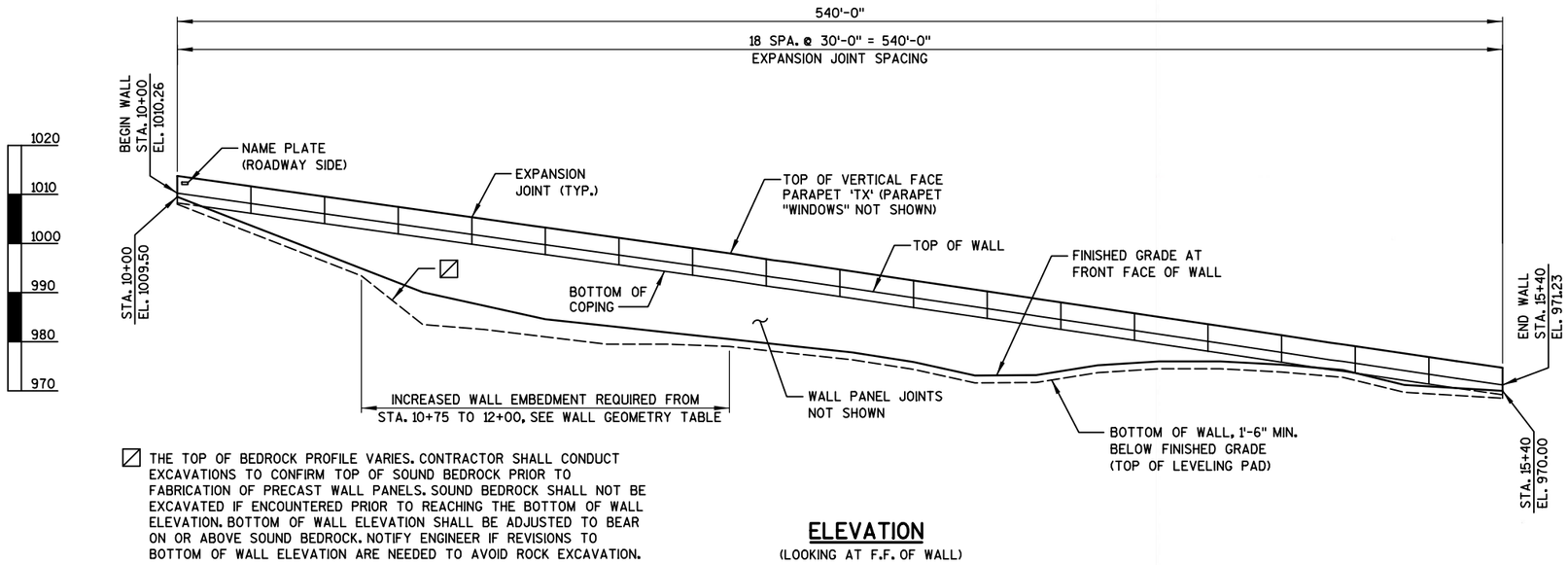
5992-11-01



PLAN
(MSE PANEL WALL)

HORIZONTAL CURVE DATA

CURVE-1
P.I. = 13+88.13
Y = 489,255.33
X = 780,554.54
DELTA = 23°43'33" (RT)
D = 7°41'51"
T = 156.35'
L = 308.22'
R = 744.33'
P.C. = 12+31.78
P.T. = 15+40.00



☒ THE TOP OF BEDROCK PROFILE VARIES. CONTRACTOR SHALL CONDUCT EXCAVATIONS TO CONFIRM TOP OF SOUND BEDROCK PRIOR TO FABRICATION OF PRECAST WALL PANELS. SOUND BEDROCK SHALL NOT BE EXCAVATED IF ENCOUNTERED PRIOR TO REACHING THE BOTTOM OF WALL ELEVATION. BOTTOM OF WALL ELEVATION SHALL BE ADJUSTED TO BEAR ON OR ABOVE SOUND BEDROCK. NOTIFY ENGINEER IF REVISIONS TO BOTTOM OF WALL ELEVATION ARE NEEDED TO AVOID ROCK EXCAVATION.

ELEVATION
(LOOKING AT F.F. OF WALL)

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHINCAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-13-368".

PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN IN THIS PLAN.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED IN FRONT OF WALL AS SHOWN ON THE TYPICAL WALL SECTION AND ROADWAY CROSS SECTIONS.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL IN THE REINFORCED ZONE SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

MATERIAL PROPERTIES

CONCRETE MASONRY, RETAINING WALLS _____ f'c = 3,500 PSI

CONCRETE PARAPET _____ f'c = 4,000 PSI

HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60 _____ Fy = 60,000 PSI

PRECAST CONCRETE WALL PANELS _____ f'c = 4,000 PSI

LEGEND

F.F. = FRONT FACE
T.L.E. = TEMPORARY LIMITED EASEMENT
B.F. = BACK FACE
℄ = REFERENCE LINE
R/W = RIGHT-OF-WAY

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. WALL DETAILS, NOTES & QUANTITIES
3. SOIL DATA & WALL DETAILS
4. ANCHOR SLAB DETAILS
5. VERTICAL FACE PARAPET 'TX'
6. PARAPET DETAILS
7. SUBSURFACE EXPLORATION

STRUCTURE DESIGN CONTACTS

BRIDGE OFFICE CONTACT:
AARON BONK (608) 261-0261

DESIGN CONSULTANT CONTACT:
BRETT OFTEDAHL (608) 251-4843

NO.	DATE	REVISION	BY

STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
MADISON, WISCONSIN 53715
(608)-251-4843
(608) 251-8655 FAX
WWW.STRAND.COM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ SDR 02/23/22
CHIEF STRUCTURES DESIGN ENGINEER DATE

WISCONSIN
BRETT M. OFTEDAHL
E-41123
MADISON
WI
PROFESSIONAL ENGINEER
12/1/21

STRUCTURE R-13-368

RET. WALL ON PLEASANT VIEW ROAD

COUNTY		~~TOWN~~/CITY/~~VILLAGE~~	
	DANE		MIDDLETON

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	ECB	DESIGN CK'D.	BMO	DRAWN BY	ECB	PLANS CK'D.	BMO

GENERAL PLAN & ELEVATION

SHEET 1 OF 7
799

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STATE PROJECT NUMBER

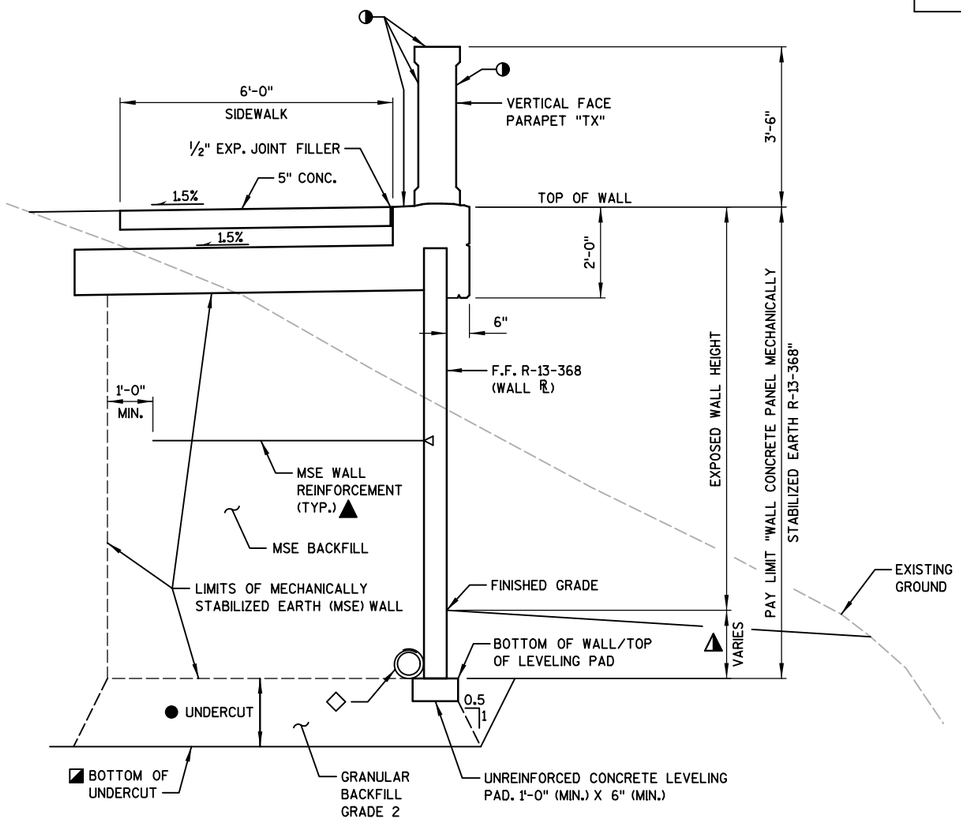
5992-11-01

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	QUANTITY
209.2100	BACKFILL GRANULAR GRADE 2	CY	120
502.3210	PIGMENTED SURFACE SEALER	SY	582
504.0500	CONCRETE MASONRY RETAINING WALLS	CY	178
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	15,140
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	22
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	550
SPV.0090.30	PARAPET CONCRETE TYPE 'TX'	LF	540
SPV.0165.06	WALL CONCRETE PANEL MECHANICALY STABILIZED EARTH, R-13-368	SF	6,125
	NON-BID ITEMS		
	EXPANDED POLYSTRENE	SIZE	1"
	CORK FILLER	SIZE	1"
	NAME PLATE		

WALL GEOMETRY TABLE

WALL STATION	ROADWAY STATION	OFFSET TO F.F. WALL	TOP OF WALL ELEV.	FINISHED GRADE ELEV.	BOTTOM OF WALL ELEV.
10+00.00	162+15.00	45.67	1010.26	1009.50	1008.00
10+25.00	162+40.00	45.67	1008.52	1004.65	1003.15
10+50.00	162+65.00	45.67	1006.77	999.79	998.29
10+75.00	162+90.00	45.67	1005.02	994.94	993.44
11+00.00	163+15.00	45.67	1003.26	990.09	983.50
11+25.00	163+40.00	45.67	1001.52	987.35	982.50
11+50.00	163+65.00	45.67	999.76	984.61	981.00
11+75.00	163+90.00	45.67	998.02	983.25	979.50
12+00.00	164+15.00	45.67	996.27	981.90	979.50
12+25.00	164+40.00	45.67	994.52	980.54	979.04
12+50.00	164+66.12	45.67	992.69	979.19	977.69
12+75.00	164+92.65	45.67	990.83	977.83	976.33
13+00.00	165+19.18	45.67	988.97	975.90	974.40
13+25.00	165+45.72	45.67	987.11	973.12	971.62
13+50.00	165+72.25	45.67	985.26	973.20	971.70
13+75.00	165+98.79	45.67	983.40	975.20	973.70
14+00.00	166+25.32	45.67	981.54	976.00	974.50
14+25.00	166+51.86	45.67	979.69	976.00	974.50
14+50.00	166+78.39	45.67	977.83	975.35	973.85
14+75.00	167+04.93	45.67	975.97	974.24	972.74
15+00.00	167+31.46	45.67	974.11	971.21	969.71
15+25.00	167+57.99	45.67	972.27	970.45	968.95
15+40.00	167+73.91	45.67	971.23	970.00	968.50



TYPICAL SECTION THRU MSE RETAINING WALL

LEGEND

▲ MINIMUM LENGTH OF MSE WALL REINFORCING STRIP MUST BE 70% THE TOTAL WALL HEIGHT (EXPOSED HEIGHT PLUS EMBEDMENT DEPTH) OR 8.0 FEET, WHICHEVER IS GREATER. SOIL REINFORCING MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.

⚠ MIMIMUM EMBEDMENT BASED ON SITE SPECIFIC PARAMETERS. PROVIDE 1'-6" MIN. AND INCREASED EMBEDMENT BETWEEN STATION 10+75 AND 12+00 AS INDICATED ON THE WALL GEOMETRY TABLE. FIELD EMBEDMENTS SHALL MEET OR EXCEED THE MINIMUM EMBEDMENT. FIELD EMBEDMENTS BELOW THE BOTTOM OF WALL ELEV. PROVIDED IN THE WALL GEOMETRY TABLE SHALL NOT BE INCLUDED IN THE PAY LIMITS.

◇ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE AT NORTH END OF WALL.

● UNDERCUT MAY BE NEEDED NEAR STATION 12+50 IF LOOSE SANDS ARE ENCOUNTERED. UNDERCUT MAY ALSO BE NEEDED TO REMOVE ANY TOPSOIL FROM BELOW THE WALL AT THE NORTHERN END OF THE WALL. BACKFILL UNDERCUT AREA WITH GRANULAR BACKFILL GRADE 2. EXCAVATION FOR UNDERCUT AREA IS INCLUDED IN THE BID ITEM "BACKFILL GRANULAR".

◪ WALL SUBGRADE SHALL BE APPROVED BY THE SOUTHWEST REGION SOILS ENGINEER PRIOR TO CONSTRUCTION OF THE WALL.

◑ APPLY PIGMENTED SURFACE SEALER TO INSIDE FACE, TOP, OUTSIDE FACE, AND ALL SIDES OF OPENINGS IN PARAPET.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

THE PLAN QUANTITY FOR THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-13-368" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO THE BOTTOM OF WALL ELEVATION PROVIDED IN "WALL GEOMETRY TABLE". ⚠

BAR STEEL REINFORCEMENT FOR CAST-IN-PLACE CONCRETE SHALL BE EPOXY COATED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE. DIMENSIONS FOR BENDING ARE OUT TO OUT OF BAR.

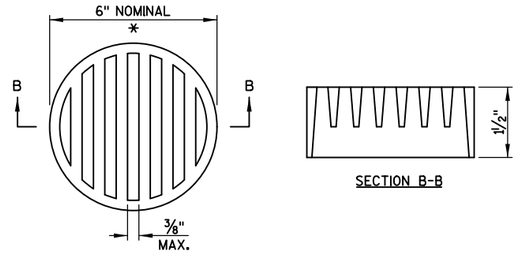
BEVEL EXPOSED EDGES OF CONCRETE 3/4-INCH, UNLESS NOTED OTHERWISE.

ALL DIMENSIONS, STATIONS, AND OFFSETS ARE GIVEN AT THE FRONT FACE OF THE WALL, UNLESS OTHERWISE SHOWN.

A NAME PLATE SHALL BE PLACED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

A GEOTECHNICAL REPORT HAS BEEN PREPARED FOR THIS STRUCTURE AND IS AVAILABLE UPON REQUEST.

THE PLANS AND DETAILS ARE BASED ON A NOMINAL PRECAST PANEL WIDTH OF 10'-0". IF THE FABRICATED PANEL SIZES DIFFER FROM PLAN DIMENSIONS, CONTRACTOR IS RESPONSIBLE TO COORDINATE REVISED JOINT LOCATIONS, REINFORCEMENT LENGTHS, RAILING REVISIONS AND ANY OTHER REVISIONS ASSOCIATED WITH USING A DIFFERENT PANEL SIZE.



SECTION B-B

NOTES:

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND ATTACHMENT SCREWS SHALL BE INCLUDED WITH BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH."

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

RODENT SHIELD DETAIL

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DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-368

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WALL DETAILS, NOTES & QUANTITIES

SHEET 2
800

8

8

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\080802_wd.dgn

STATE PROJECT NUMBER

5992-11-01

SOIL PARAMETERS

STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT	FRICTION ANGLE (DEGREES)	COHESION (PSF)
GRANULAR BACKFILL (REINFORCING ZONE OR BACKFILL)	120	30	0
OTHER BACKFILL/UNREINFORCED EMBANKMENT FILL COHESIVE RETAINED SOIL*	120	30	0
BOR B-16			
MEDIUM DENSE SAND ELEV. 1010.1-1007.1	120	32	0
MEDIUM DENSE TO VERY DENSE SAND (WEATHERED BEDROCK) ELEV. 1007.1-1002.1	130	36	0
BEDROCK ELEV. 1002.1-987.1	130	40	0
BOR B-17			
EXISTING SAND FILL ELEV. 999.9-994.4	120	30	0
STIFF CLAY ELEV. 994.4-990.4	115	28	100
MEDIUM DENSE TO VERY DENSE SAND ELEV. 990.4-973.4	130	36	0
BEDROCK ELEV. 973.4-968.4	130	40	0
BOR B-18			
EXISTING SAND FILL ELEV. 989.1-983.6	120	30	0
STIFF CLAY ELEV. 983.6-976.1	115	28	100
MEDIUM DENSE SAND ELEV. 976.1-964.1	125	32	0
BOR B-19			
STIFF CLAY ELEV. 974.8-970.8	115	28	100
LOOSE TO MEDIUM DENSE SAND ELEV. 970.8-954.8	120	30	0

* DESIGN WALL FOR THESE VALUES.

WALL EXTERNAL & OVERALL STABILITY EVALUATION

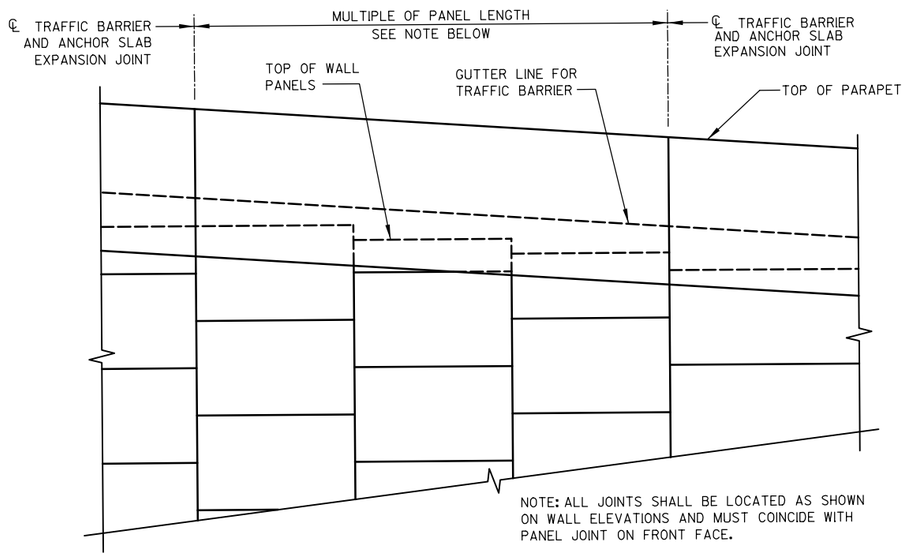
DIMENSIONS	EVALUATED LOCATIONS			
WALL HEIGHT (FEET)[1]	8.9	19.5	16.0	4.9
EXPOSED WALL HEIGHT (FEET)	6.9	15.5	14.0	2.9
■ MINIMUM LENGTH OF REINFORCEMENT (FEET)	8.5	15.0	13.0	8.5
WALL STATION	10+50	11+50	13+25	15+00
BORING USED	B-16	B-17	B-18	B-19
CAPACITY TO DEMAND RATIO (CDR)[2, 3]				
SLIDING (CDR>1.0)	1.0	1.0	1.0	1.4
ECCENTRICITY (CDR>1.0)	1.83	1.74	1.74	4.13
OVERALL STABILITY (CDR>1.0)	>1.0[4]	1.04	1.05	1.71
BEARING RESISTANCE (CDR>1.0)	2.83	1.41	1.01	3.01
FACTORED BEARING RESISTANCE (PSF)	6,500	6,500	4,000	4,000

NOTES:
1. THE WALL HEIGHT INCLUDES EMBEDMENT BELOW FINISHED GRADE AS SHOWN ON WALL GEOMETRY TABLE.
2. THE WALL STABILITY EVALUATION INCLUDED A TYPICAL SURCHARGE LOAD OF 240 PSF.
3. CDR VALUES ARE PRESENTED IN CHAPTER 14 OF THE WISDOT BRIDGE MANUAL.
4. BASED ON A STABILIZED/ANCHORED ROCK FACE FOR THE ROCK FACE IN FRONT OF WALL.

■ THE LENGTHS PROVIDED IN THE TABLE ARE THE MINIMUM REQUIRED REINFORCEMENT LENGTHS BASED UPON THE MINIMUM DESCRIBED IN THE WALL SYSTEM SPECIAL PROVISIONS FOR EXTERNAL AND OVERALL STABILITY AT THE DESIGNATED LOCATIONS. THESE DESIGNATED LOCATIONS REPRESENT TYPICAL AND CRITICAL WALL LOCATIONS, BUT SHALL NOT BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR DESIGN LENGTHS SHALL MEET OR EXCEED THE MINIMUM VALUES REPRESENTED IN THE TABLE AT THESE DESIGNATED LOCATIONS. FINAL DESIGN FOR INTERNAL STABILITY AND EXTERNAL SLIDING AND ECCENTRICITY AT OTHER WALL STATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

NOTES:
1. THE SETTLEMENT OF THE FOUNDATION WAS ESTIMATED TO BE 1.0 INCHES OR LESS.

2. THE PROJECT SOILS ENGINEER SHALL REVIEW THE SUBSURFACE CONDITIONS PRIOR TO CONSTRUCTION OF THE WALL TO DETERMINE IF THE SOILS HAVE THE MINIMUM BEARING RESISTANCE SHOWN IN THE TABLE ABOVE.



C.I.P. TRAFFIC BARRIER PARTIAL ELEVATION

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-368

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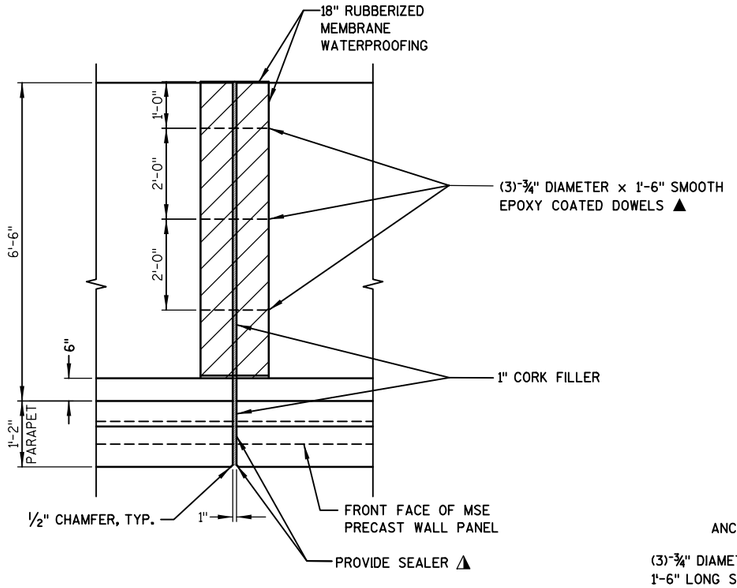
SOIL DATA & WALL DETAILS

SHEET 3
801

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STATE PROJECT NUMBER

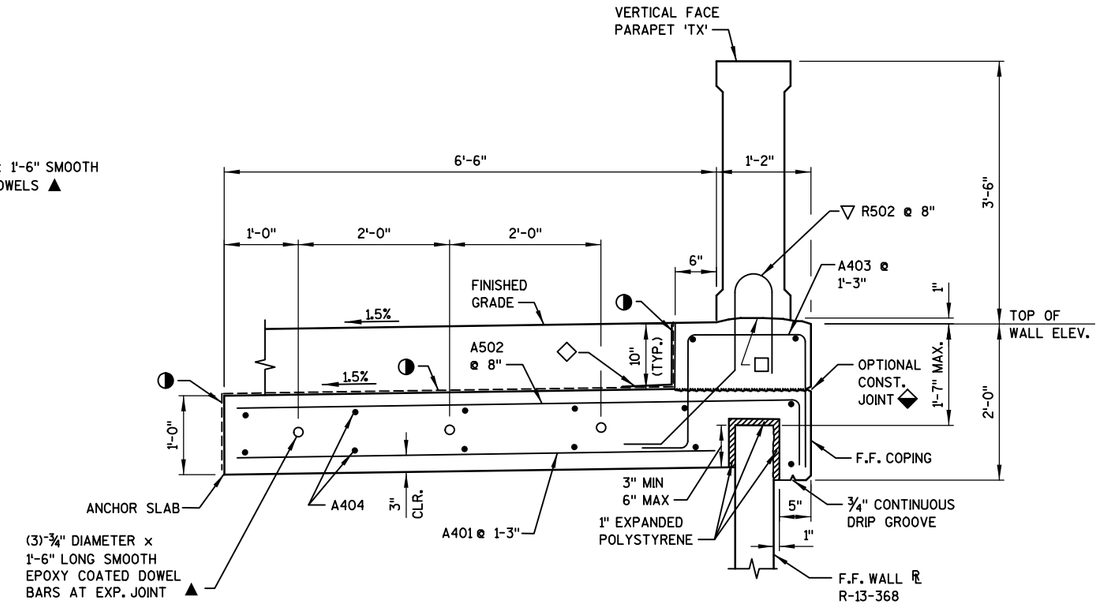
5992-11-01



ANCHOR SLAB EXPANSION JOINT - PLAN VIEW

LOCATE ANCHOR SLAB EXPANSION JOINTS OVER WALL JOINTS.

DO NOT RUN BAR STEEL THRU JOINT, EXCEPT FOR DOWELS AS SHOWN. JOINT TO EXTEND FULL DEPTH OF PARAPET AND ANCHOR SLAB.

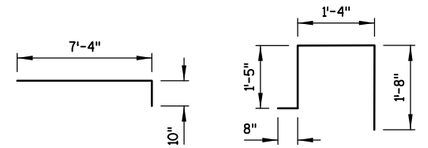


CAST-IN-PLACE CONCRETE TRAFFIC BARRIER DETAIL

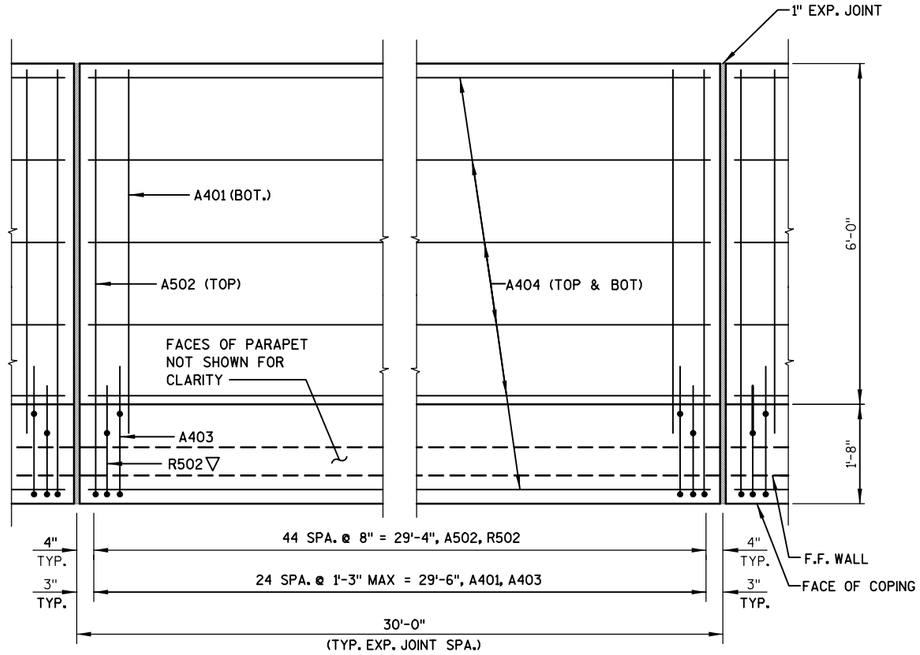
CONCRETE QUANTITY BASED ON 3 INCH PANEL EMBEDMENT

LEGEND:

- ▲ ¾" DIA. SMOOTH DOWEL BARS, 1'-6" LONG, AT EXPANSION JOINT. EMBED 9". USE APPROVED DEBONDER ON ½ THE BAR LENGTH. COST INCLUDED IN "CONCRETE MASONRY RETAINING WALLS". DOWELS SHALL BE PLACED AT MID-DEPTH OF SLAB.
- ◭ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING, NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).
- ◐ 18" RUBBERIZED MEMBRANE WATERPROOFING TO BE PLACED ON THESE SURFACES AT EACH JOINT.
- ◇ IF OPT. CONST. JOINT IS USED, PLACE 18" MEMBRANE WATERPROOFING ALONG THE ENTIRE LONGITUDINAL JOINT. THE MEMBRANE WATERPROOFING SEALING THE OPT. CONST. JOINT IS INCLUDED IN THE BID ITEM "CONCRETE MASONRY RETAINING WALLS."
- ◆ PROVIDE ¾" V-GROOVE IF OPTIONAL CONST. JOINT IS USED.
- □ CONST. JOINT - STRIKE OFF AS SHOWN AND LEAVE ROUGH.
- ▽ R502 BARS TO BE TIED TO ANCHOR SLAB STEEL BEFORE ANCHOR SLAB IS POURED. SEE PARAPET DETAILS SHEET FOR R502 BAR DETAILS.



A502 A403



ANCHOR SLAB REINFORCING PLAN

BILL OF BARS

FOR ANCHOR SLAB

TOTAL COATED= 15,140 LBS

BAR MARK	COAT	QTY	LENGTH	BENT	LOCATION
A401	X	450	6'-3"		ANCHOR SLAB - TRANS. BOT.
A502	X	810	8'-1"	X	ANCHOR SLAB - TRANS. TOP
A403	X	450	4'-10"	X	ANCHOR SLAB - VERTICAL
A404	X	252	29'-7"		ANCHOR SLAB - LONG. T & B

NUMBER REQUIRED AND LENGTH SHOWN FOR QUANTITY PURPOSES ONLY. CONTRACTOR TO DETERMINE ACTUAL LENGTHS AND NUMBER OF BARS AFTER MSE PANELS HAVE BEEN LAID OUT BY THE WALL SUPPLIER. THE PARAPET AND ANCHOR SLAB EXPANSION JOINTS MUST COINCIDE WITH PANEL JOINT ON FRONT FACE. PROVIDE 2" CLEAR COVER AT EXPANSION JOINTS.

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-368

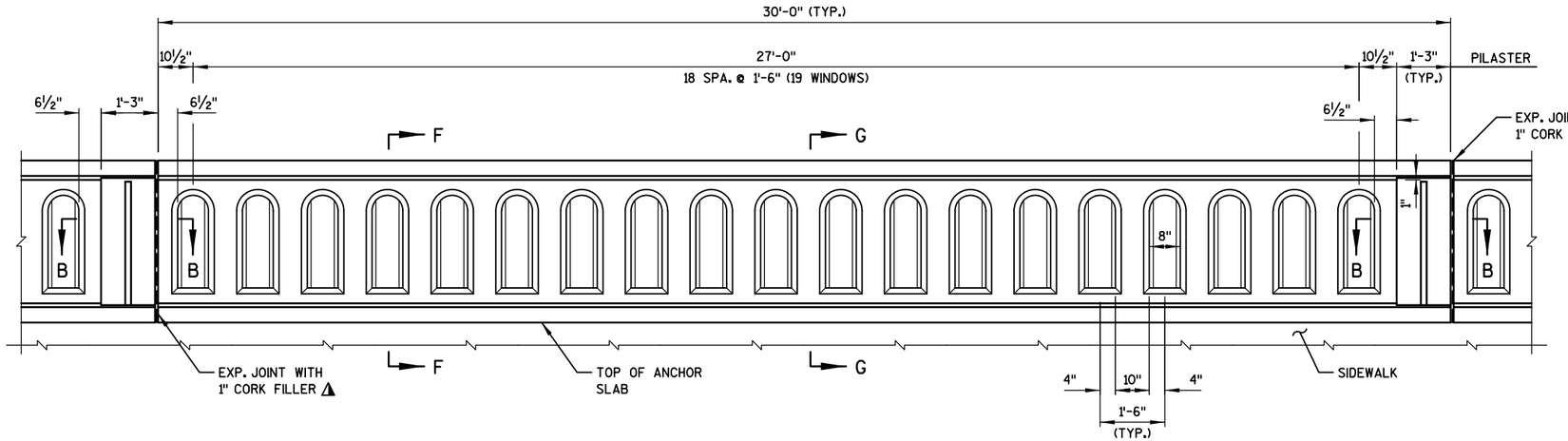
DRAWN BY DTH | PLANS CK'D. BMO

ANCHOR SLAB DETAILS

SHEET 4
802

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\080804_as.dgn

STATE PROJECT NUMBER
5992-11-01



NOTES

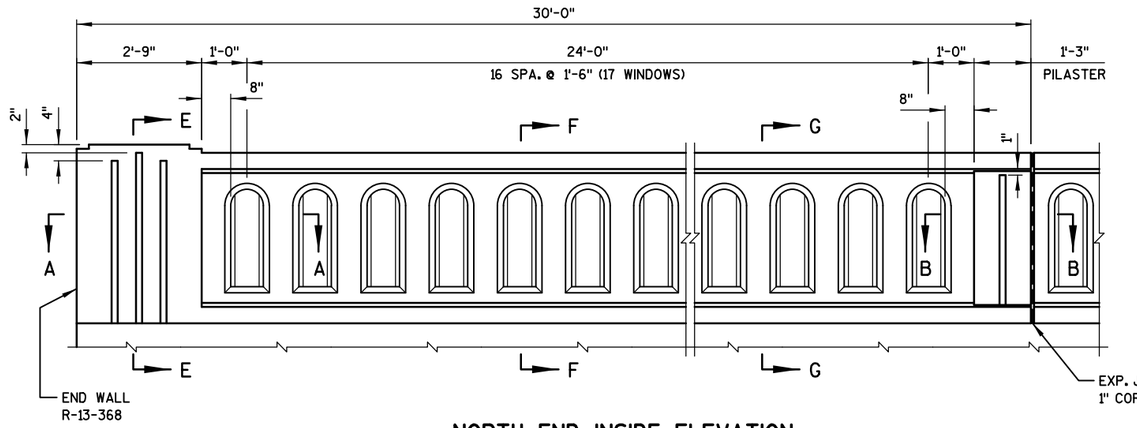
BID ITEM SHALL BE "PARAPET CONCRETE TYPE 'TX'", WHICH SHALL INCLUDE ALL ITEMS SHOWN.

SEE PARAPET DETAILS SHEET FOR REINFORCEMENT DETAILS.

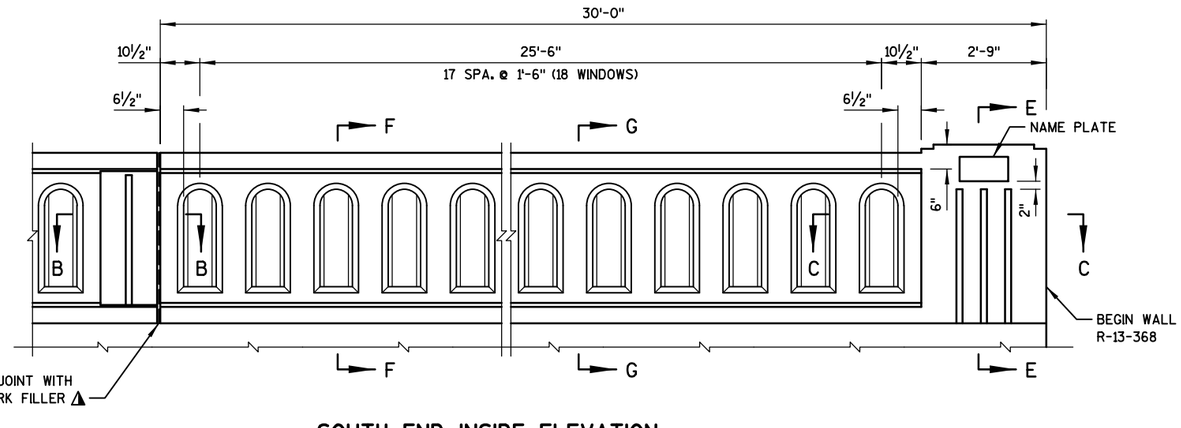
LEGEND

◭ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).

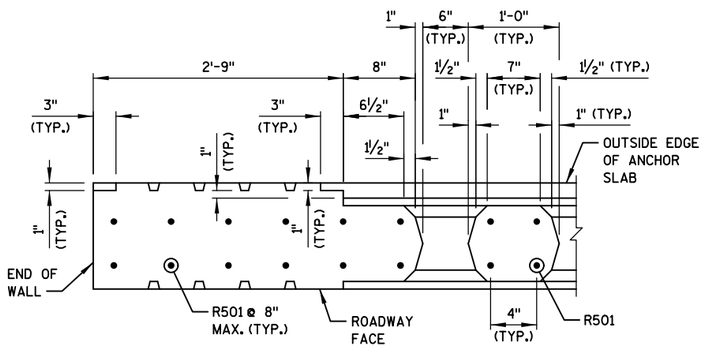
TYPICAL INSIDE ELEVATION



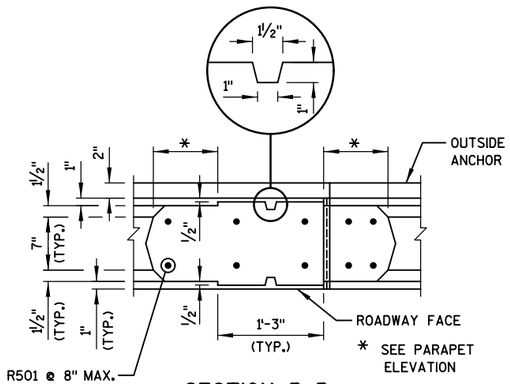
NORTH END INSIDE ELEVATION



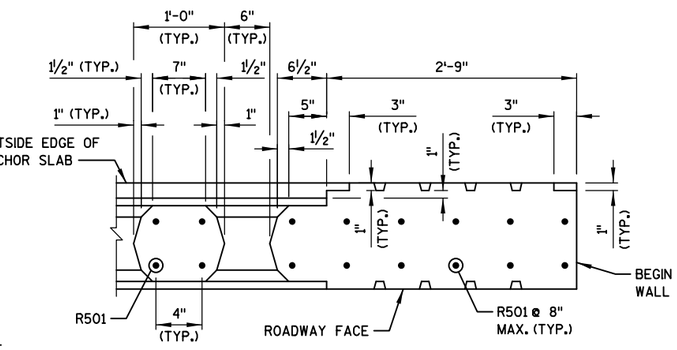
SOUTH END INSIDE ELEVATION



SECTION A-A



SECTION B-B



SECTION C-C

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-368

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VERTICAL FACE PARAPET 'TX'

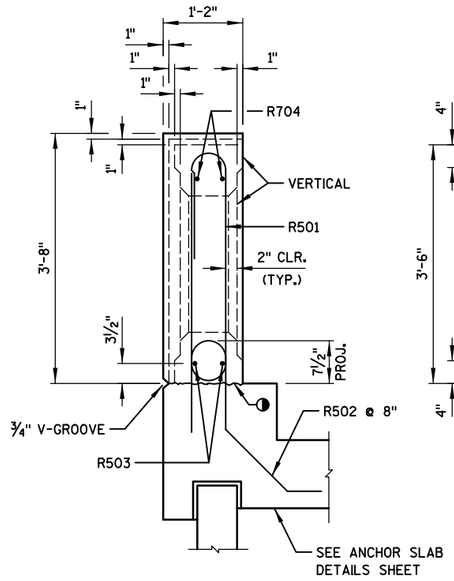
SHEET 5
803

8

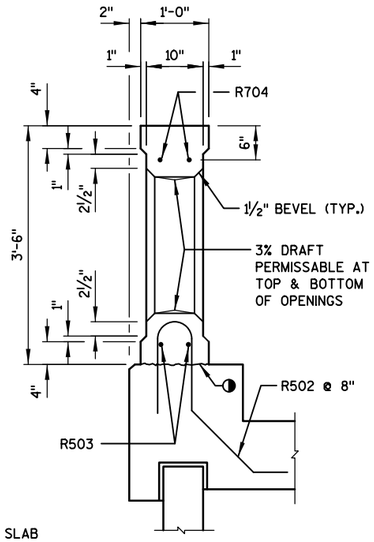
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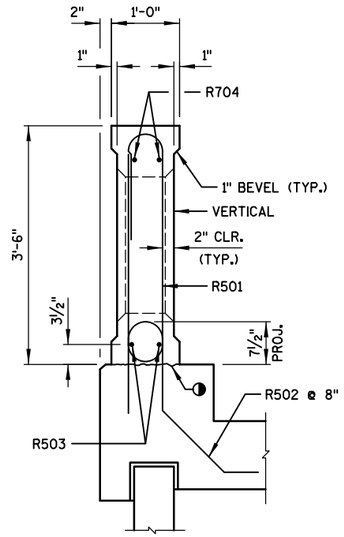
STATE PROJECT NUMBER
5992-11-01



SECTION E-E



SECTION F-F



SECTION G-G

LEGEND

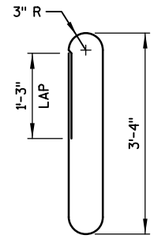
◑ COST. JOINT, STRIKE OFF AS SHOWN AND LEAVE.

BILL OF BARS

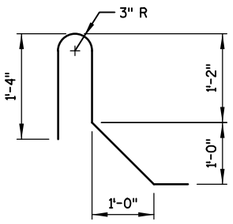
TOTAL COATED = 13,995 LBS.*

BAR MARK	COAT	QTY.	LENGTH	BENT	LOCATION
R501	X	739	8'-6"	X	PARAPET VERT.
R502	X	810	4'-11"	X	ANCHOR SLAB/PARAPET VERT.
R503	X	36	29'-7"		PARAPET HORIZ. BOT.
R704	X	36	29'-7"		PARAPET HORIZ. TOP

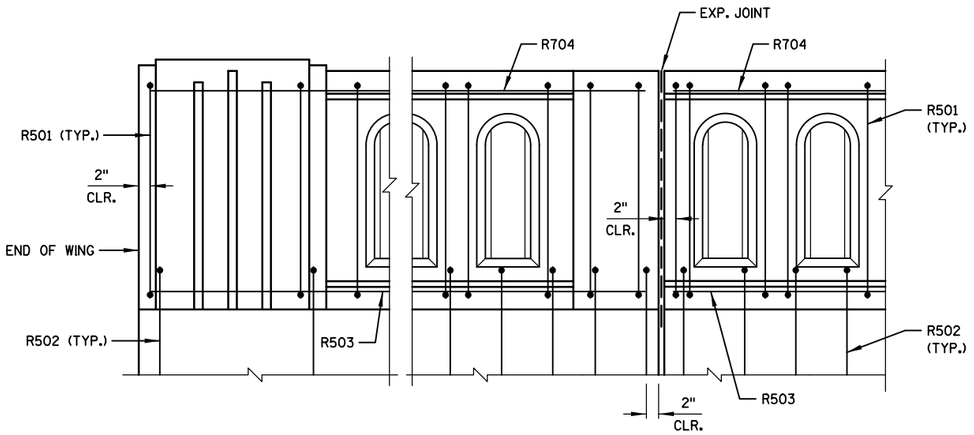
* QUANTITY IS PROVIDED FOR INFORMATION ONLY. BAR STEEL REINF. IS INCLUDED IN BID ITEM "PARAPET CONCRETE TYPE 'TX'".



R501



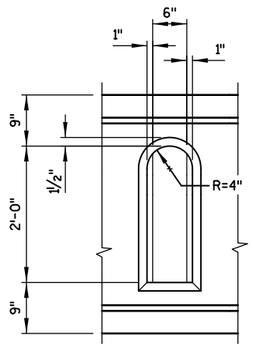
R502



END SECTION

TYP. 30' SECTION

OUTSIDE ELEVATION SHOWING TYPICAL REINFORCEMENT PLACEMENT



WINDOW DETAILS

8

8

NO.	DATE	REVISION	BY

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DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-368

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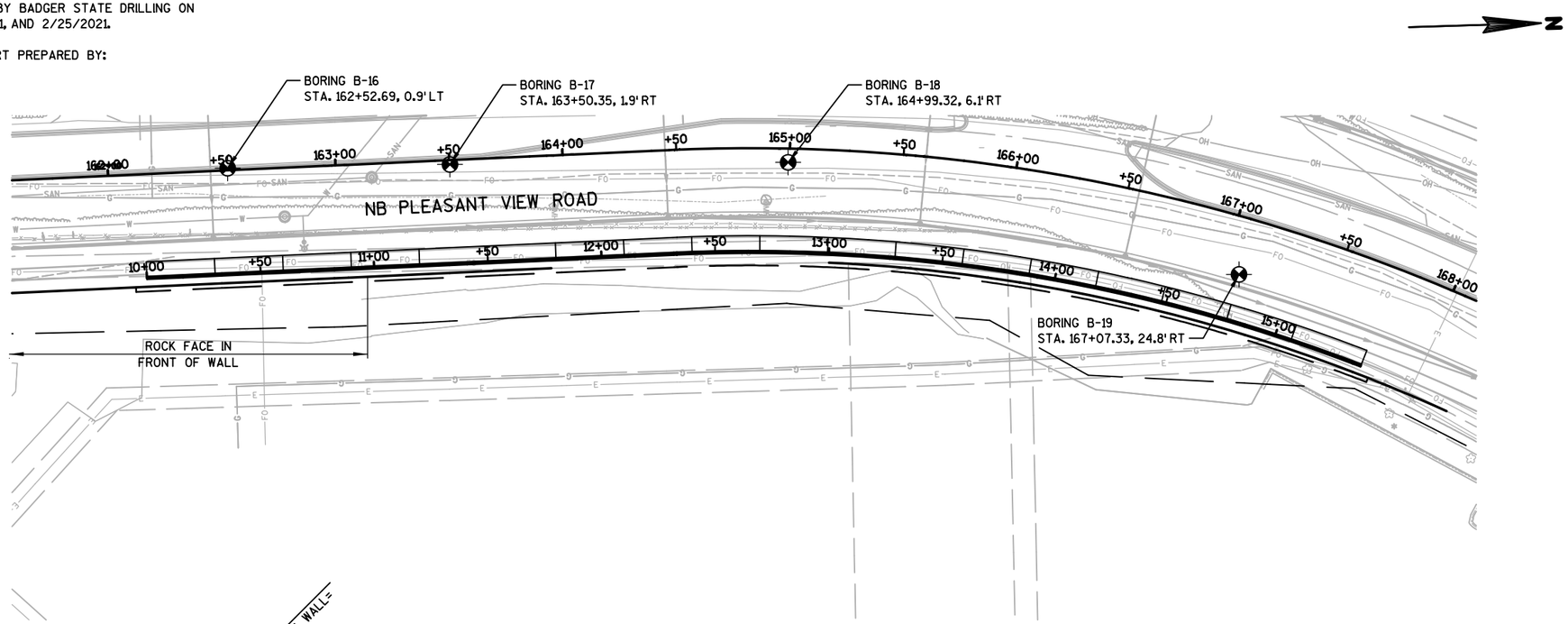
PARAPET DETAILS

SHEET 6
804

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BORING PERFORMED BY BADGER STATE DRILLING ON
2/16/2021, 2/24/2021, AND 2/25/2021.

GEOTECHNICAL REPORT PREPARED BY:
CGC INC.
2921 PERRY STREET
MADISON, WI 53713



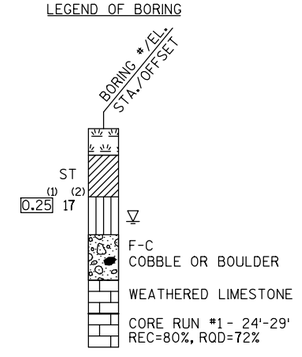
STATE PROJECT NUMBER

5992-11-01

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- ▽ AT TIME OF DRILLING
- ▼ END OF DRILLING
- ▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-368

DRAWN BY	DTH	PLANS CK'D.	BMO

SUBSURFACE EXPLORATION

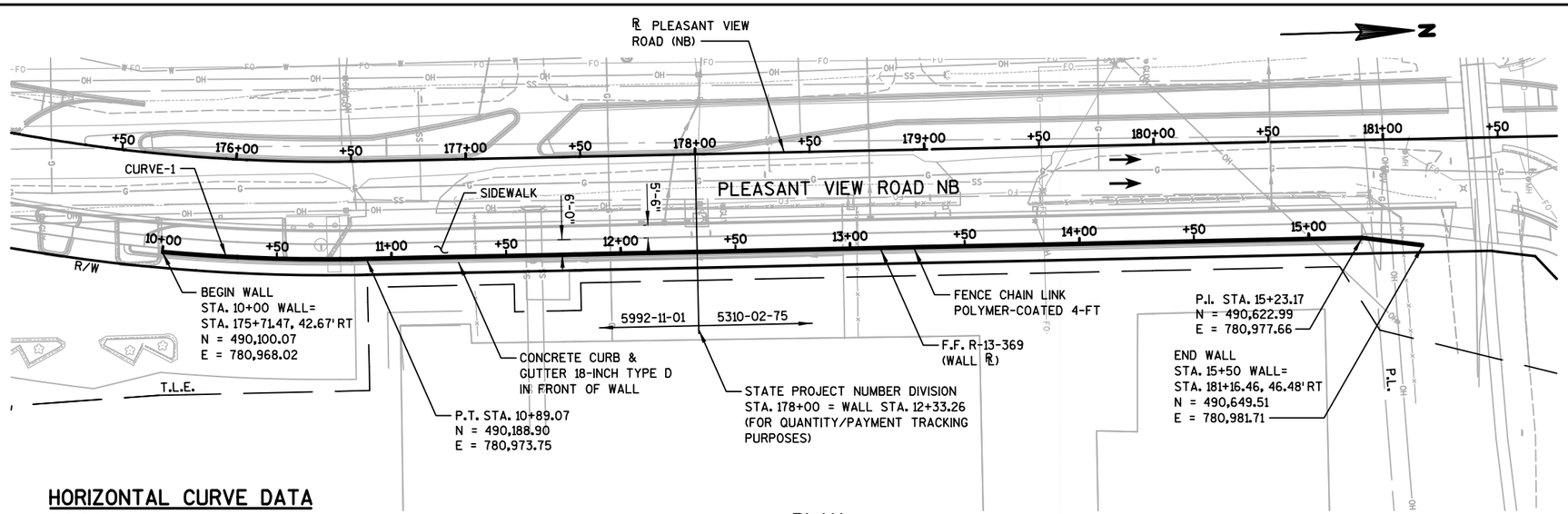
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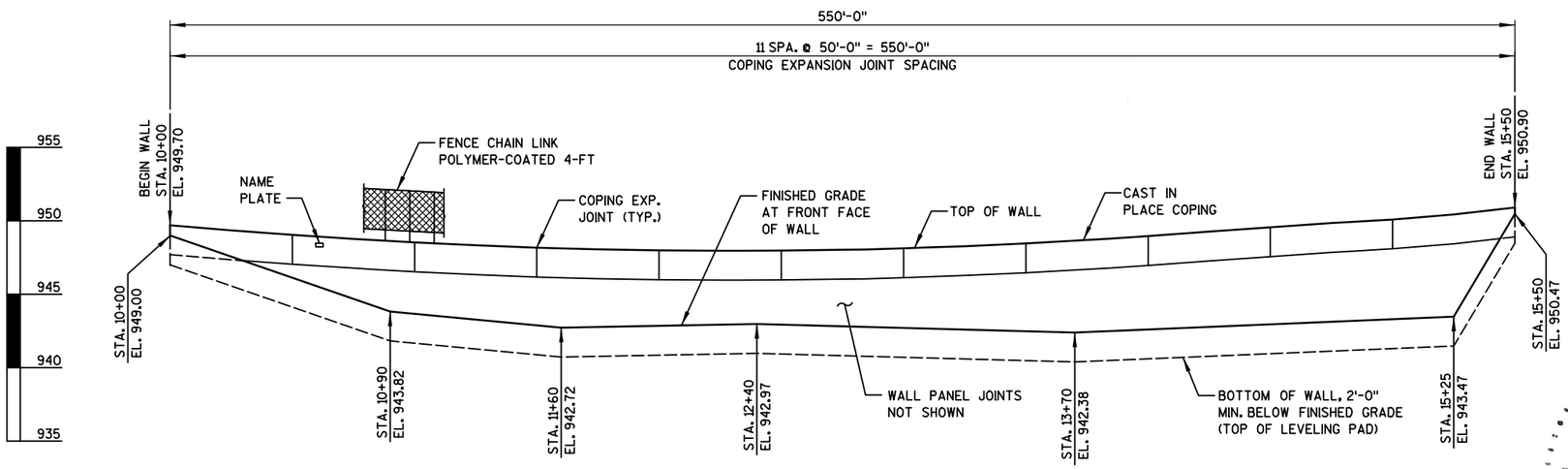


PLAN
(MSE PANEL WALL)

HORIZONTAL CURVE DATA

CURVE-1
P.I. = 10+44.58
Y = 490,144.33
X = 780,973.35
DELTA = 6°21'28" (LT)
D = 7°08'17"
T = 44.58'
L = 89.07'
R = 802.67'
P.C. = 10+00.00
P.T. = 10+89.07

LIMITED UTILITY INFORMATION IS PROVIDED ON THIS SHEET. REFER TO ROADWAY PLANS AND SPECIAL PROVISIONS FOR ADDITIONAL UTILITY INFORMATION.



ELEVATION
(LOOKING AT F.F. OF WALL)

STATE PROJECT NUMBER
5310-02-75/5992-11-01

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHINCAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-13-369".

PLANS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN IN THIS PLAN.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN.

DESIGN RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL IN THE REINFORCED ZONE SHAL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

MATERIAL PROPERTIES

CONCRETE MASONRY, COPING _____ f'c = 3,500 PSI

HIGH STRENGTH BAR STEEL
REINFORCEMENT, GRADE 60 _____ Fy = 60,000 PSI

PRECAST CONCRETE WALL PANELS _____ f'c = 4,000 PSI

LEGEND

F.F. = FRONT FACE
B.F. = BACK FACE
R/W = RIGHT-OF-WAY
T.L.E. = TEMPORARY LIMITED EASEMENT
℄ = REFERENCE LINE

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. WALL DETAILS, NOTES & QUANTITIES
3. SOIL DATA & WALL DETAILS
4. FENCE DETAILS
5. SUBSURFACE EXPLORATION

STRUCTURE DESIGN CONTACTS

BRIDGE OFFICE CONTACT:
AARON BONK (608) 261-0261

DESIGN CONSULTANT CONTACT:
BRETT OFTEDAHL (608) 251-4843

WISCONSIN
BRETT M. OFTEDAHL
E-41123
MADISON
WI
PROFESSIONAL ENGINEER
12/1/21

NO.	DATE	REVISION	BY

STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
MADISON, WISCONSIN 53715
(608)-251-4843
(608) 251-8655 FAX
WWW.STRAND.COM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED _____ SDR 02/23/22
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-13-369

EAST SIDE OF PLEASANT VIEW ROAD

COUNTY		~~TOWN~~/CITY ~~/VILLAGE~~	
	DANE		MIDDLETON

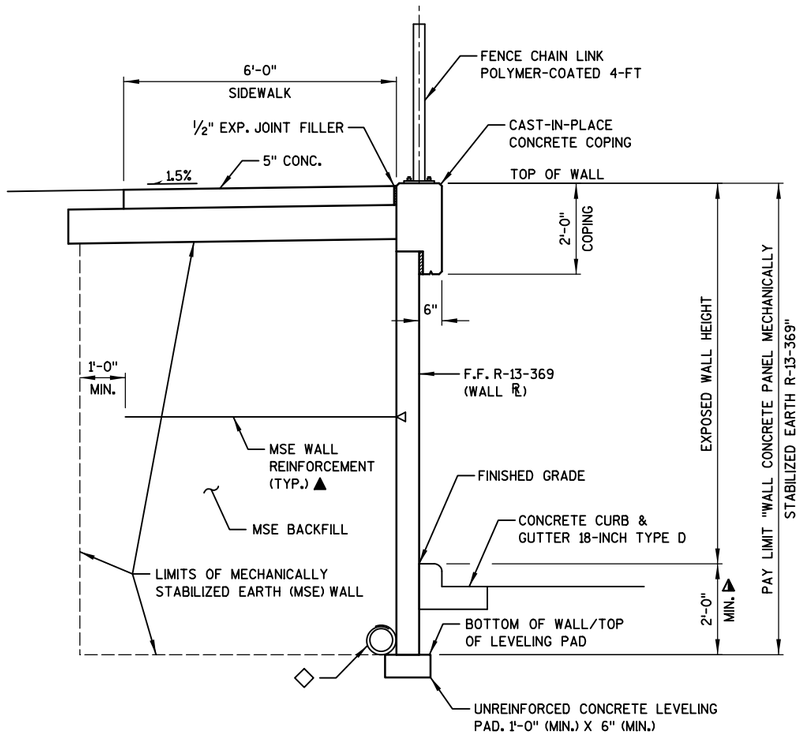
DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	ECB	DESIGN CK'D.	BMO	DRAWN BY	ECB	PLANS CK'D.	BMO

GENERAL PLAN & ELEVATION

SHEET 1 OF 5
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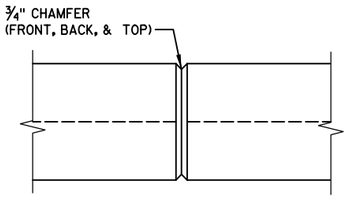
TYPICAL SECTION THRU MSE RETAINING WALL

LEGEND

▲ MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS SHALL BE 70% OF THE TOTAL WALL HEIGHT (EXPOSED HEIGHT PLUS EMBEDMENT DEPTH) OR 8.0 FEET, WHICHEVER IS GREATER. SOIL REINFORCING MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.

◇ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

▲ MINIMUM EMBEDMENT BASED ON SITE SPECIFIC PARAMETERS (2'-0" MINIMUM FOR ALL WALLS ON LEVEL GROUND). FIELD EMBEDMENT SHALL MEET OR EXCEED THE MINIMUM EMBEDMENT. FIELD EMBEDMENT BELOW MINIMUM EMBEDMENT SHALL NOT BE INCLUDED IN THE PAY LIMITS.



COPING CONTRACTION JOINT

DO NOT RUN BAR STEEL THRU JOINT. MAX. SPACING OF JOINT = 10'. SET JOINT LOCATION TO ALIGN WITH PANEL JOINT BELOW.

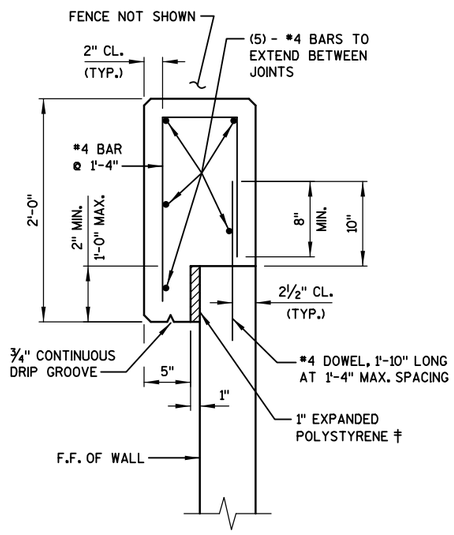
TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	QUANTITY	
			STATE PROJECT NUMBER	
			5310-02-75	5992-11-01
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	322	238
SPV.0090.14	FENCE CHAIN LINK POLYMER-COATED 4-FT R-13-369	LF	317	233
SPV.0165.07	WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH, R-13-369	SF	2500	1445
	NON-BID ITEMS			
	EXPANDED POLYSTYRENE	SIZE	1"	
	JOINT FILLER	SIZE	3/4"	
	NAME PLATE			

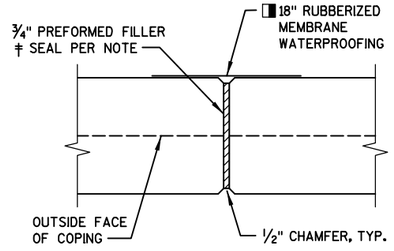
NOTE: QUANTITIES FOR WALL R-13-369 ARE SPLIT BETWEEN TWO STATE PROJECT NUMBERS AS NOTED.

WALL GEOMETRY TABLE

WALL STATION	ROADWAY STATION	OFFSET TO F.F. WALL	TOP OF WALL ELEV.	FINISHED GRADE ELEV.
10+00.00	175+71.47	42.67	949.70	949.00
10+25.00	175+95.14	42.67	949.35	947.56
10+50.00	176+18.81	42.67	949.04	946.12
10+75.00	176+42.48	42.67	948.77	944.68
10+90.00	176+56.74	42.67	948.60	943.82
11+00.00	176+66.74	42.67	948.53	943.66
11+25.00	176+91.74	42.67	948.33	943.27
11+50.00	177+16.74	42.67	948.17	942.87
11+60.00	177+26.74	42.67	948.13	942.72
11+75.00	177+41.74	42.67	948.06	942.76
12+00.00	177+66.74	42.67	947.99	942.84
12+25.00	177+91.74	42.67	947.96	942.92
12+40.00	178+06.74	42.67	947.96	942.97
12+50.00	178+16.74	42.67	947.97	942.93
12+75.00	178+41.74	42.67	948.03	942.81
13+00.00	178+66.74	42.67	948.13	942.70
13+25.00	178+91.74	42.67	948.27	942.59
13+50.00	179+16.74	42.67	948.46	942.47
13+70.00	179+36.74	42.67	948.67	942.38
13+75.00	179+41.74	42.67	948.69	942.42
14+00.00	179+66.74	42.67	948.96	942.59
14+25.00	179+91.74	42.67	949.26	942.77
14+50.00	180+16.74	42.67	949.56	942.94
14+75.00	180+41.74	42.67	949.84	943.12
15+00.00	180+66.74	42.67	950.09	943.29
15+25.00	180+91.72	42.93	950.43	943.47
15+50.00	181+16.46	46.48	950.90	950.47



CAST-IN-PLACE CONCRETE COPING DETAIL



COPING EXPANSION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 50'

◨ MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO 6" BELOW TOP OF PANELS. MEMBRANE WATERPROOFING INCLUDED IN BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH".

† SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE.)

STATE PROJECT NUMBER

5310-02-75/5992-11-01

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

THE PLAN QUANTITY FOR THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-13-369" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL TO A CONSTANT DEPTH OF 2'-0" BELOW FINISHED GRADE.

ALL BAR STEEL REINFORCEMENT FOR CAST-IN-PLACE CONCRETE COPING SHALL BE EPOXY COATED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

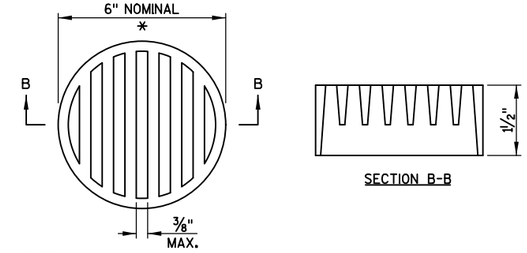
BEVEL EXPOSED EDGES OF CONCRETE ¾-INCH, UNLESS NOTED OTHERWISE.

ALL DIMENSIONS, STATIONS, AND OFFSETS ARE GIVEN AT THE FRONT FACE OF THE WALL, UNLESS OTHERWISE SHOWN.

A NAME PLATE SHALL BE PLACED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

A GEOTECHNICAL REPORT HAS BEEN PREPARED FOR THIS STRUCTURE AND IS AVAILABLE UPON REQUEST.

THE PLANS AND DETAILS ARE BASED ON A NOMINAL PRECAST PANEL WIDTH OF 10'-0". IF THE FABRICATED PANEL SIZES DIFFER FROM PLAN DIMENSIONS, CONTRACTOR IS RESPONSIBLE TO COORDINATE REVISED JOINT LOCATIONS, REINFORCEMENT LENGTHS, RAILING REVISIONS AND ANY OTHER REVISIONS ASSOCIATED WITH USING A DIFFERENT PANEL SIZE.



NOTES:

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND ATTACHMENT SCREWS SHALL BE INCLUDED WITH BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH."

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

RODENT SHIELD DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-369

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WALL DETAILS, NOTES & QUANTITIES

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STATE PROJECT NUMBER
5310-02-75/5992-11-01

SOIL PARAMETERS

STRATUM LOCATIONS & SOIL DESCRIPTIONS	TOTAL UNIT WEIGHT	FRICTION ANGLE (DEGREES)	COHESION (PSF)
GRANULAR BACKFILL (REINFORCING ZONE OR BACKFILL)	120	30	0
GRANULAR FILL RETAINED SOIL *	120	30	0
BOR B-20			
EXISTING SAND FILL ELEV. 944.2-941.2	120	30	0
STIFF TO VERY STIFF LEAN CLAY ELEV. 941.2-932.2	115	28	100
MEDIUM DENSE SAND ELEV. 932.2-929.2	120	30	0
BOR B-21			
EXISTING SAND FILL ELEV. 942.8-939.8	120	30	0
STIFF LEAN CLAY ELEV. 939.8-934.3	115	28	100
VERY LOOSE SILTY SAND ELEV. 934.3-931.3	115	28	0
MEDIUM DENSE SAND ELEV. 931.3-927.8	120	30	0

* DESIGN WALL FOR THESE VALUES.

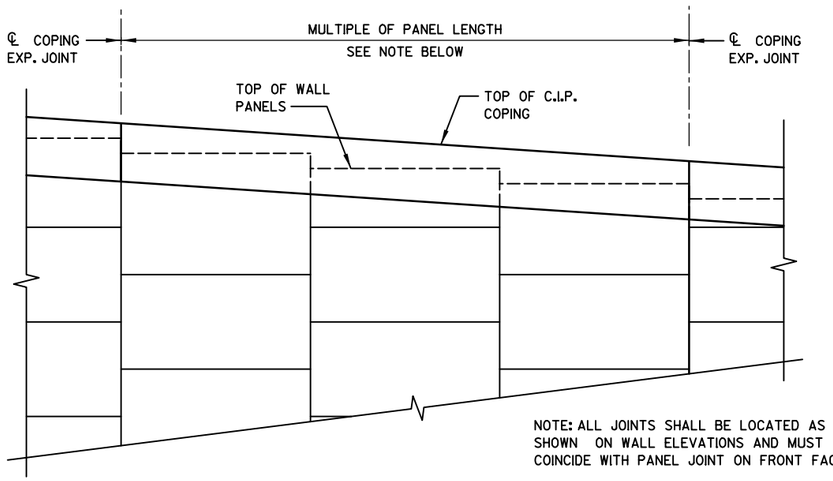
WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS	EVALUATED LOCATIONS	
WALL HEIGHT (FEET)[1]	7.4	9.0
EXPOSED WALL HEIGHT (FEET)	5.4	7.0
■ MINIMUM LENGTH OF REINFORCEMENT (FEET)	8.5	8.5
WALL STATION	11+60	15+25
BORING USED	B-20	B-21
CAPACITY TO DEMAND RATIO (CDR)[2,3]		
SLIDING (CDR>1.0)	1.17	1.02
ECCENTRICITY-OVERTURNING (CDR>1.0)	2.75	2.06
OVERALL STABILITY (CDR>1.0)	1.93	1.62
BEARING RESISTANCE (CDR>1.0)	2.27	1.81
FACTORED BEARING RESISTANCE (PSF)	4,000	4,000

NOTES:
1. THE WALL HEIGHT INCLUDES AN EMBEDMENT OF 2.0 FT.
2. THE WALL STABILITY EVALUATION INCLUDED A SURCHARGE LOAD OF 240 PSF.
3. CDR VALUES ARE PRESENTED IN CHAPTER 14 OF THE WISDOT BRIDGE MANUAL.

■ THE LENGTHS PROVIDED IN THE TABLE ARE THE MINIMUM REQUIRED REINFORCEMENT LENGTHS BASED UPON THE MINIMUM DESCRIBED IN THE WALL SYSTEM SPECIAL PROVISIONS FOR EXTERNAL AND OVERALL STABILITY AT THE DESIGNATED LOCATIONS. THESE DESIGNATED LOCATIONS REPRESENT TYPICAL AND CRITICAL WALL LOCATIONS, BUT SHALL NOT BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR DESIGN LENGTHS SHALL MEET OR EXCEED THE MINIMUM VALUES REPRESENTED IN THE TABLE AT THESE DESIGNATED LOCATIONS. FINAL DESIGN FOR INTERNAL STABILITY AND EXTERNAL SLIDING AND ECCENTRICITY AT OTHER WALL STATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR'S WALL DESIGNER.

NOTES:
1. THE SETTLEMENT OF THE FOUNDATION WAS ESTIMATED TO BE 1.5 INCHES OR LESS.
2. THE PROJECT SOILS ENGINEER SHALL REVIEW THE SUBSURFACE CONDITIONS PRIOR TO CONSTRUCTION OF THE WALL TO DETERMINE IF THE SOILS HAVE THE MINIMUM BEARING RESISTANCE SHOWN IN THE TABLE ABOVE.



C.I.P. COPING PARTIAL ELEVATION

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-369

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SOIL DATA & WALL DETAILS

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808

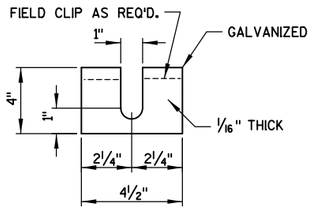
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STATE PROJECT NUMBER

5310-02-75/5992-11-01

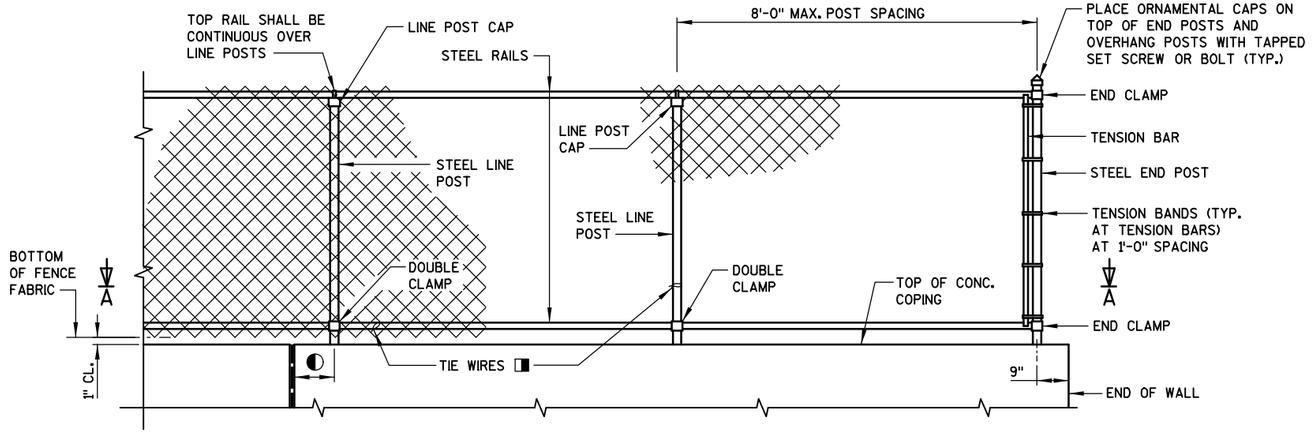
FENCE MEMBER SIZE & WEIGHT

STEEL FENCE MEMBER	OUTSIDE DIAMETER (INCHES)	WEIGHT (LB/FT)
RAILS	1.660	2.27
END POST	2.875	5.80
OVERHANG POST	2.875	5.80
LINE POST	2.375	3.65
POST SLEEVE	4.000	9.12



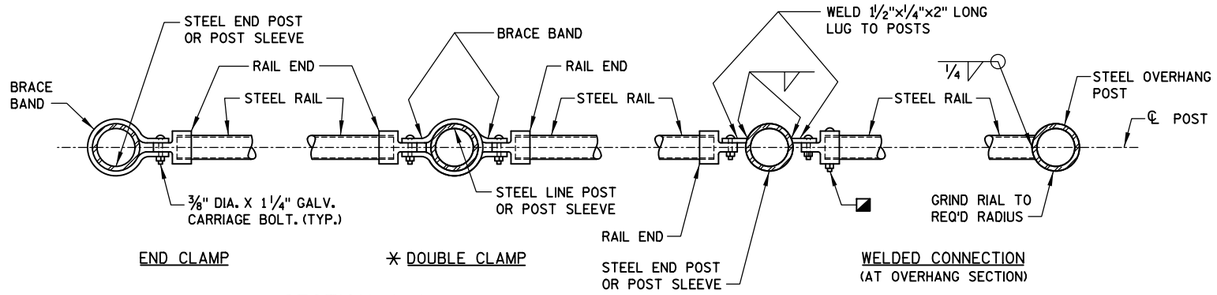
POST SHIM DETAILS

SHIMS REQUIRED ONLY WHEN END POSTS AND LINE POSTS ARE WELDED TO BASE PLATES. PROVIDE 4 SHIMS PER POST. USE WHERE REQUIRED FOR ALIGNMENT.



FENCE PART ELEVATION

VIEWING FABRIC SIDE

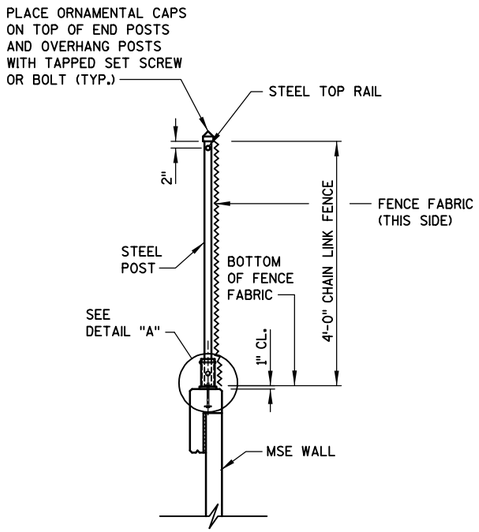


END CLAMP ✳ DOUBLE CLAMP

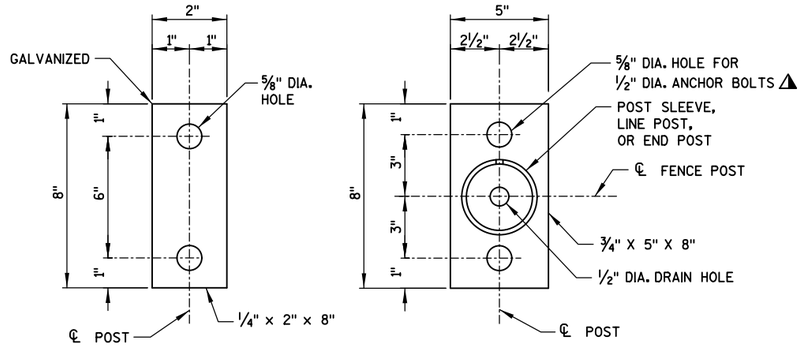
WELDED CONNECTION (AT OVERHANG SECTION)

SECTION A-A

NOTE: PLACE ALL BOLT HEADS ON SIDE OF FENCE ADJACENT TO PEDESTRIANS



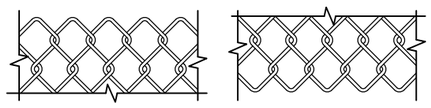
SECTION THRU FENCE



ANCHOR PLATE

☆ NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.

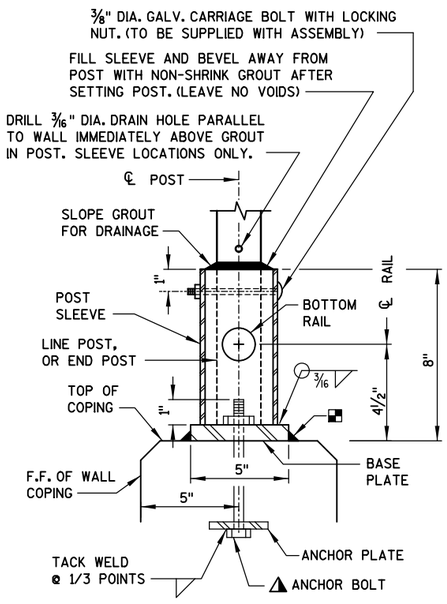
BASE PLATE



TOP DETAIL BOTTOM DETAIL

FENCE FABRIC

FENCE FABRIC WOVEN OF 9-GAGE WIRE IN 2" DIAMOND PATTERN MESH WITH BOTH THE TOP AND BOTTOM SELVAGES KNUCKLED.



DETAIL 'A'

UNIT SHALL BE GALVANIZED AFTER FABRICATION.
NOTE: IN LIEU OF USING THE POST SLEEVE, THE FENCE POST MAY BE WELDED TO THE BASE PLATE.

GENERAL NOTES

THE BID ITEM SHALL BE "FENCE CHAIN LINK POLYMER-COATED 4-FT R-13-369". BID ITEM INCLUDES ALL ITEMS SHOWN.

POSTS ARE TO BE SET VERTICAL.

ALL FENCE COMPONENTS SHALL BE GALVANIZED STEEL WITH A COLORED POLYMER-COATING ON THE OUTSIDE.

FABRIC SHALL CONFORM TO ASTM F668, CLASS 2B. STEEL RAILS, POSTS AND POST SLEEVES SHALL CONFORM TO ASTM F1083, STANDARD WEIGHT PIPE (SCHEDULE 40). FITTINGS SHALL CONFORM TO ASTM F626. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

THE COLOR OF POLYMER-COATING FOR THIS STRUCTURE SHALL BE BLACK IN ACCORDANCE WITH ASTM F934.

COMPLETE ANY REQUIRED WELDING OF COMPONENTS BEFORE GALVANIZING.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

BASE PLATES, ANCHOR PLATES AND SHIMS SHALL BE ASTM A709, GRADE 36.

ALL POST SPACINGS ARE MEASURED HORIZONTALLY ALONG THE C/L OF THE POST.

◾ CAULK AROUND PERIMETER OF BASE PLATE AND FILL PORTION OF SLOTTED HOLE AROUND ANCHOR BOLT IN SHIM WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

✳ ALTERNATE TO DOUBLE CLAMP: USE LINE RAIL CLAMP (BOULEVARD) OR 180° BRACE BAND, WHICH MAY BE USED WHEN THE POSTS ARE EITHER BOLTED TO THE POST SLEEVES OR DIRECTLY WELDED TO THE BASE PLATE.

⚠ ANCHOR BOLTS, NUTS AND WASHERS SHALL BE EITHER STAINLESS STEEL OR ASTM 307. IF 307 IS USED, ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED. ☆

☆ ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ½-INCH, EMBED 7" IN CONCRETE. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 AND 502.3.14 OF THE STANDARD SPECIFICATIONS.

◪ BOLT RAIL TO RAIL END TO SECURE OVERHANG SECTION. ALTERNATE IS TO WELD RAIL DIRECTLY TO END POST.

◐ 1'-0" MIN. DISTANCE BETWEEN CENTERLINE OF COPING JOINTS (BOTH EXPANSION AND CONTRACTION) AND CENTERLINE OF FENCE POSTS.

MINIMUM LENGTH OF TOP RAIL BETWEEN SPLICES SHALL BE 20'-0". LOCATE SPLICES NEAR ¼ POINT OF POST SPACING.

◨ ATTACH FABRIC TO RAILS AND TO POSTS WITHOUT TENSION BANDS, WITH TIE WIRES (ROUND, 9-GAGE) SPACED AT 1'-0".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-369

DRAWN BY DTH | PLANS CK'D. BMO

FENCE DETAILS

SHEET 4
809

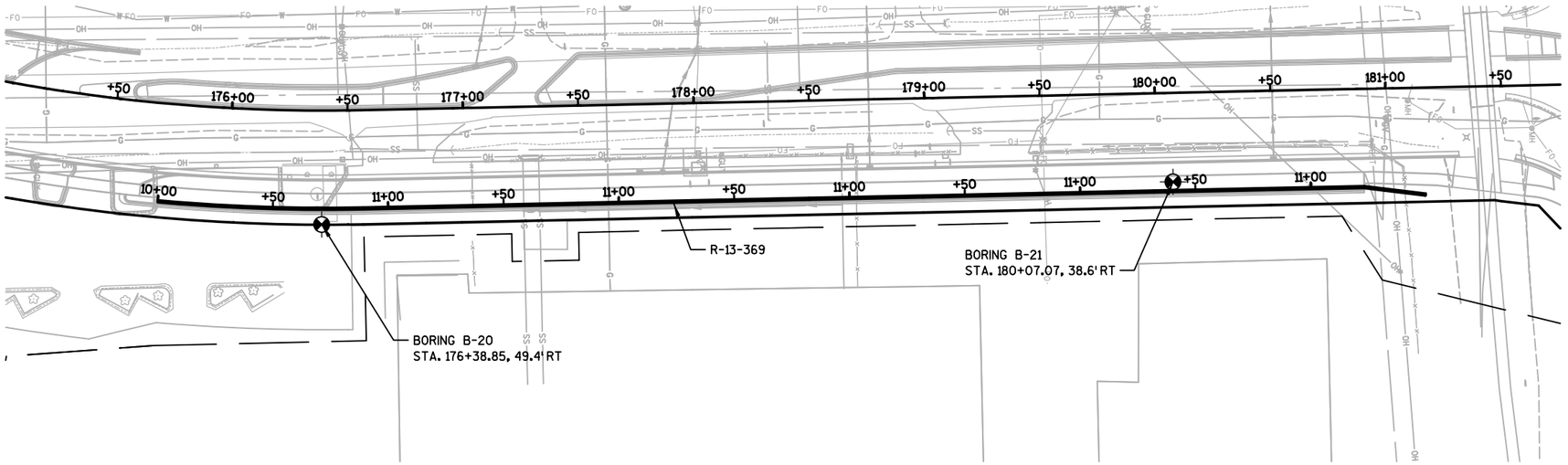
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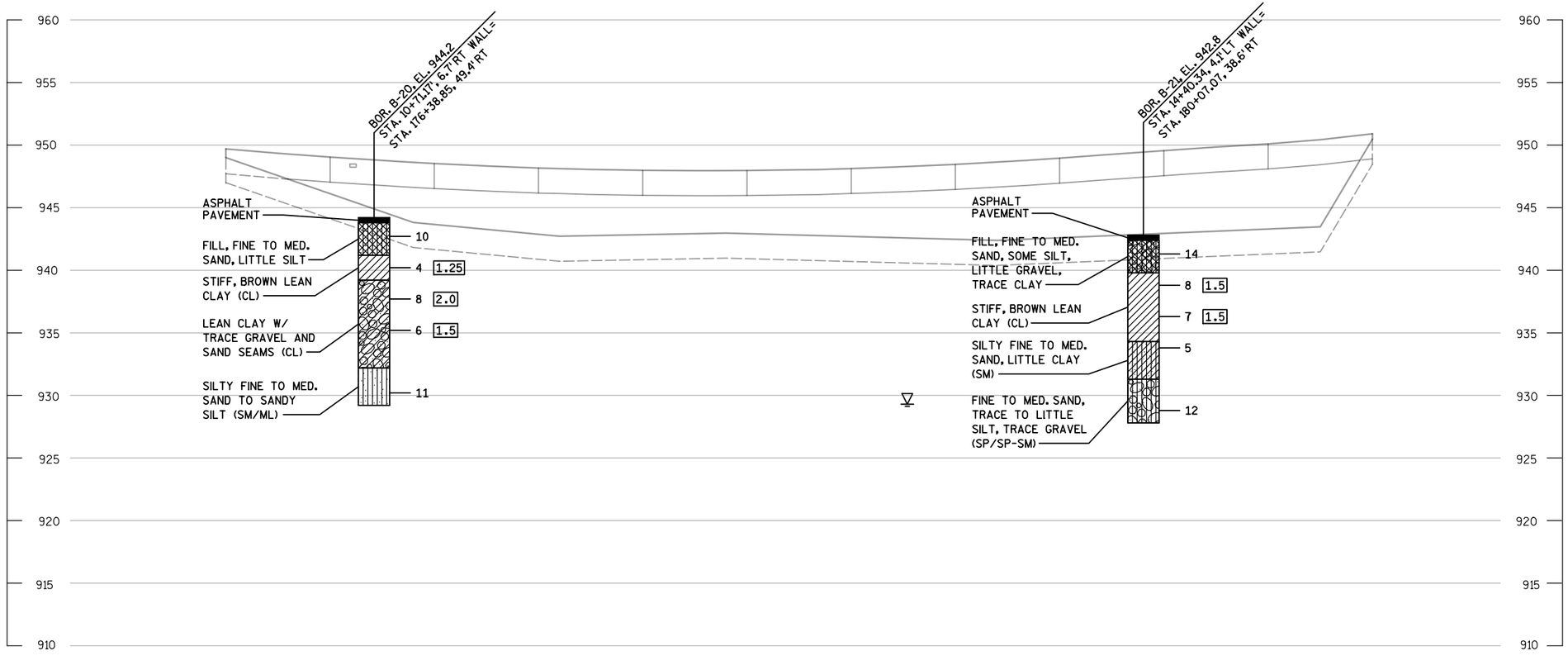
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BORING PERFORMED BY BADGER STATE DRILLING ON 1/18/2021.

GEOTECHNICAL REPORT PREPARED BY:
CGC INC.
2921 PERRY STREET
MADISON, WI 53713





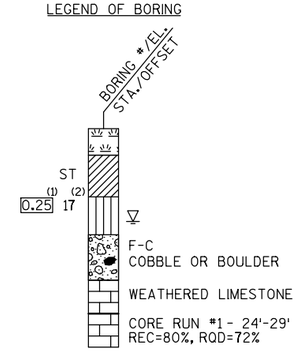
STATE PROJECT NUMBER

5310-02-75/5992-11-01

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- ▽ AT TIME OF DRILLING
- ▼ END OF DRILLING
- ▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-369

DRAWN BY	DTH	PLANS CK'D.	KRB

SUBSURFACE EXPLORATION

SHEET 5
810

8

8

SCALE =

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\080905_sx.dgn

PLEASANT VIEW ROAD		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)					
NB CHAIN		EXCAVATION COMMON	FILL	ROCK EXCAVATION	STRUCTURE EXCAVATION	EXCAVATION COMMON	FILL	ROCK EXCAVATION	STRUCTURE EXCAVATION	EXCAVATION COMMON 1.00	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25	EXPANDED ROCK 1.10	STRUCTURE EXCAVATION 1.00	MASS ORDINATE
STATION	DISTANCE	NOTE 1	NOTE 3	NOTE 7	NOTE 4	NOTE 1	NOTE 3	NOTE 7	NOTE 4	NOTE 1	1.25	NOTE 5	NOTE 7	NOTE 4	NOTE 6
108+32	---	257.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
108+50	18	257.2	1.7	0.0	0.0	176.0	1.1	0.0	0.0	176.0	1.4	10.5	0.0	0.0	166
109+00	50	294.4	9.3	0.0	0.0	510.8	10.1	0.0	0.0	686.8	14.1	40.9	0.0	0.0	640
109+50	50	301.9	11.6	0.0	0.0	552.2	19.3	0.0	0.0	1239.0	38.3	73.7	0.0	0.0	1,142
110+00	50	355.2	1.8	0.0	0.0	608.4	12.4	0.0	0.0	1847.4	53.8	110.0	0.0	0.0	1,706
110+50	50	386.9	1.2	0.0	0.0	687.1	2.8	0.0	0.0	2534.6	57.3	150.9	0.0	0.0	2,357
111+00	50	440.1	0.0	0.0	0.0	765.8	1.1	0.0	0.0	3300.3	58.8	196.4	0.0	0.0	3,084
111+20	20	239.9	6.2	0.0	0.0	251.8	2.3	0.0	0.0	3552.1	61.6	211.4	0.0	0.0	3,321
111+50	30	512.8	0.0	0.0	0.0	418.1	3.5	0.0	0.0	3970.3	66.0	236.3	0.0	0.0	3,715
112+00	50	553.1	0.0	0.0	0.0	986.9	0.0	0.0	0.0	4957.1	66.0	295.1	0.0	0.0	4,655
112+50	50	569.8	0.3	0.0	0.0	1039.7	0.3	0.0	0.0	5996.8	66.3	357.0	0.0	0.0	5,645
113+00	50	572.3	3.3	0.0	0.0	1057.4	3.3	0.0	0.0	7054.2	70.5	419.9	0.0	0.0	6,648
113+50	50	399.8	18.9	0.0	0.0	900.1	20.5	0.0	0.0	7954.3	96.2	473.5	0.0	0.0	7,479
114+00	50	152.2	43.9	0.0	0.0	511.1	58.2	0.0	0.0	8465.5	168.9	503.9	0.0	0.0	7,893
114+50	50	0.9	237.9	0.0	0.0	141.8	260.9	0.0	0.0	8607.3	495.1	512.3	0.0	0.0	7,702
114+74	24	0.0	348.1	0.0	0.0	0.4	260.4	0.0	0.0	8607.7	820.6	512.4	0.0	0.0	7,377
115+00	26	0.0	648.4	0.0	0.0	0.0	479.8	0.0	0.0	8607.7	1420.3	512.4	0.0	0.0	6,777
115+50	50	0.0	1045.6	0.0	0.0	0.0	1568.5	0.0	0.0	8607.7	3381.0	512.4	0.0	0.0	4,817
116+00	50	0.0	1357.0	0.0	0.0	0.0	2224.7	0.0	0.0	8607.7	6161.8	512.4	0.0	0.0	2,036
116+15	15	0.0	1401.2	0.0	0.0	0.0	766.2	0.0	0.0	8607.7	7119.6	512.4	0.0	0.0	1,078
116+50	35	0.0	1627.8	0.0	0.0	0.0	1963.2	0.0	0.0	8607.7	9573.6	512.4	0.0	0.0	-1,376
116+60	10	0.0	1695.0	0.0	0.0	0.0	615.3	0.0	0.0	8607.7	10342.8	512.4	0.0	0.0	-2,145
116+82	22	0.0	1485.7	0.0	0.0	0.0	1295.8	0.0	0.0	8607.7	11962.6	512.4	0.0	0.0	-3,765
117+00	18	0.0	1278.1	0.0	0.0	0.0	921.3	0.0	0.0	8607.7	13114.2	512.4	0.0	0.0	-4,916
117+50	50	0.0	892.5	0.0	0.0	0.0	2009.8	0.0	0.0	8607.7	15626.4	512.4	0.0	0.0	-7,429
118+00	50	0.0	505.7	0.0	0.0	0.0	1294.6	0.0	0.0	8607.7	17244.7	512.4	0.0	0.0	-9,047
118+50	50	35.9	218.6	0.0	0.0	33.2	670.6	0.0	0.0	8640.9	18082.9	514.3	0.0	0.0	-9,853
119+00	50	40.1	147.0	0.0	0.0	70.4	338.5	0.0	0.0	8711.3	18506.0	518.5	0.0	0.0	-10,210
119+40	40	92.0	115.7	0.0	0.0	97.8	194.6	0.0	0.0	8809.1	18749.3	524.4	0.0	0.0	-10,360
119+50	10	110.4	111.1	0.0	0.0	37.5	42.0	0.0	0.0	8846.6	18801.8	526.6	0.0	0.0	-10,376
120+00	50	142.6	85.2	0.0	0.0	234.3	181.7	0.0	0.0	9080.9	19028.9	540.5	0.0	0.0	-10,380
120+50	50	192.3	88.9	0.0	0.0	310.1	161.2	0.0	0.0	9391.0	19230.3	559.0	0.0	0.0	-10,286
121+00	50	248.8	62.9	0.0	0.0	408.4	140.6	0.0	0.0	9799.5	19406.1	583.3	0.0	0.0	-10,073
121+50	50	435.1	65.0	0.0	0.0	633.3	118.5	0.0	0.0	10432.7	19554.2	621.0	0.0	0.0	-9,618
122+00	50	200.0	81.7	0.0	0.0	588.1	135.8	0.0	0.0	11020.8	19723.9	656.0	0.0	0.0	-9,228
122+50	50	188.0	86.3	0.0	0.0	359.3	155.5	0.0	0.0	11380.2	19918.4	677.4	0.0	0.0	-9,080
123+00	50	214.6	53.2	0.0	0.0	372.8	129.2	0.0	0.0	11753.0	20079.9	699.6	0.0	0.0	-8,887
123+50	50	244.4	23.1	0.0	0.0	425.0	70.7	0.0	0.0	12177.9	20168.3	724.9	0.0	0.0	-8,570
124+00	50	282.7	5.1	0.0	0.0	488.0	26.1	0.0	0.0	12665.9	20200.9	753.9	0.0	0.0	-8,138
124+50	50	308.2	12.1	0.0	0.0	547.1	15.9	0.0	0.0	13213.1	20220.9	786.5	0.0	0.0	-7,637
125+00	50	301.2	17.3	0.0	0.0	564.3	27.2	0.0	0.0	13777.4	20254.9	820.1	0.0	0.0	-7,134
125+50	50	327.8	16.5	0.0	0.0	582.4	31.4	0.0	0.0	14359.8	20294.1	854.7	0.0	0.0	-6,618
126+00	50	268.0	9.3	0.0	0.0	551.6	24.0	0.0	0.0	14911.4	20324.1	887.6	0.0	0.0	-6,123
126+50	50	140.3	2.7	0.0	0.0	378.1	11.1	0.0	0.0	15289.5	20338.0	910.1	0.0	0.0	-5,777
127+00	50	131.7	6.5	0.0	0.0	251.9	8.5	0.0	0.0	15541.4	20348.7	925.1	0.0	0.0	-5,547

CON'T NEXT PAGE

PLEASANT VIEW ROAD		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)					
NB CHAIN		EXCAVATION COMMON		ROCK EXCAVATION	STRUCTURE EXCAVATION	EXCAVATION COMMON		ROCK EXCAVATION	STRUCTURE EXCAVATION	EXCAVATION COMMON 1.00	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25	EXPANDED ROCK 1.10	STRUCTURE EXCAVATION 1.00	MASS ORDINATE
STATION	DISTANCE	NOTE 1	FILL NOTE 3	NOTE 7	NOTE 4	NOTE 1	FILL NOTE 3	NOTE 7	NOTE 4	NOTE 1		NOTE 5	NOTE 7	NOTE 4	NOTE 6
127+50	50	126.9	19.4	0.0	0.0	239.5	23.9	0.0	0.0	15780.9	20378.6	939.3	0.0	0.0	-5,349
127+95	45	126.9	19.4	0.0	0.0	212.6	32.4	0.0	0.0	15993.4	20419.1	952.0	0.0	0.0	-5,187
129+16	---	66.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15993.4	20419.1	952.0	0.0	0.0	-5,187
129+50	34	66.2	0.0	0.0	0.0	82.8	0.0	0.0	0.0	16076.3	20419.1	956.9	0.0	0.0	-5,108
130+00	50	38.4	47.9	0.0	0.0	96.9	44.4	0.0	0.0	16173.1	20474.6	962.7	0.0	0.0	-5,072
130+50	50	32.2	63.5	0.0	0.0	65.3	103.2	0.0	0.0	16238.5	20603.6	966.6	0.0	0.0	-5,138
131+00	50	27.2	140.8	0.0	0.0	55.0	189.1	0.0	0.0	16293.5	20840.0	969.9	0.0	0.0	-5,322
131+50	50	72.4	221.7	0.0	0.0	92.2	335.6	0.0	0.0	16385.7	21259.5	975.3	0.0	0.0	-5,654
132+00	50	91.4	176.2	0.0	0.0	151.6	368.4	0.0	0.0	16537.3	21720.0	984.4	0.0	0.0	-5,970
132+50	50	145.3	106.0	0.0	0.0	219.1	261.3	0.0	0.0	16756.4	22046.6	997.4	0.0	0.0	-6,088
133+00	50	168.9	65.4	0.0	0.0	290.9	158.7	0.0	0.0	17047.3	22245.0	1014.7	0.0	0.0	-6,009
133+50	50	238.6	34.9	0.0	0.0	377.3	92.9	0.0	0.0	17424.5	22361.1	1037.2	0.0	0.0	-5,766
134+00	50	264.3	30.7	0.0	0.0	465.6	60.7	0.0	0.0	17890.2	22437.0	1064.9	0.0	0.0	-5,399
134+50	50	231.7	51.6	0.0	0.0	459.3	76.2	0.0	0.0	18349.5	22532.3	1092.2	0.0	0.0	-5,057
135+00	50	208.6	80.4	0.0	0.0	407.7	122.3	0.0	0.0	18757.2	22685.1	1116.5	0.0	0.0	-4,821
135+50	50	237.5	103.6	0.0	0.0	413.0	170.4	0.0	0.0	19170.2	22898.0	1141.1	0.0	0.0	-4,641
136+00	50	70.4	59.2	0.0	0.0	285.1	150.7	0.0	0.0	19455.3	23086.5	1158.1	0.0	0.0	-4,558
136+50	50	51.4	49.3	0.0	0.0	112.8	100.5	0.0	0.0	19568.1	23212.1	1164.8	0.0	0.0	-4,576
137+00	50	31.5	61.3	0.0	0.0	76.8	102.4	0.0	0.0	19644.9	23340.1	1169.3	0.0	0.0	-4,631
137+50	50	47.5	34.6	0.0	0.0	73.2	88.8	0.0	0.0	19718.1	23451.1	1173.7	0.0	0.0	-4,672
138+00	50	85.2	17.7	0.0	0.0	122.9	48.4	0.0	0.0	19840.9	23511.6	1181.0	0.0	0.0	-4,615
138+50	50	113.3	12.2	0.0	0.0	183.8	27.6	0.0	0.0	20024.8	23546.2	1192.0	0.0	0.0	-4,475
139+00	50	107.0	34.1	0.0	0.0	204.0	42.8	0.0	0.0	20228.8	23599.7	1204.1	0.0	0.0	-4,334
139+50	50	104.0	28.2	0.0	0.0	195.4	57.6	0.0	0.0	20424.1	23671.7	1215.7	0.0	0.0	-4,220
140+00	50	153.1	1.5	0.0	0.0	238.1	27.5	0.0	0.0	20662.2	23706.0	1229.9	0.0	0.0	-4,028
140+13	13	153.1	1.5	0.0	0.0	73.9	0.7	0.0	0.0	20736.2	23706.9	1234.3	0.0	0.0	-3,958
141+36	---	173.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20736.2	23706.9	1234.3	0.0	0.0	-3,958
141+50	14	173.6	0.0	0.0	0.0	87.9	0.0	0.0	0.0	20824.1	23706.9	1239.5	0.0	0.0	-3,874
142+00	50	246.0	0.0	0.0	0.0	388.6	0.0	0.0	0.0	21212.6	23706.9	1262.7	0.0	0.0	-3,504
142+50	50	296.4	0.0	0.0	0.0	502.2	0.0	0.0	0.0	21714.8	23706.9	1292.6	0.0	0.0	-3,026
143+00	50	283.0	0.0	0.0	0.0	536.5	0.0	0.0	0.0	22251.3	23706.9	1324.5	0.0	0.0	-2,515
143+50	50	194.4	4.3	0.0	0.0	442.1	3.9	0.0	0.0	22693.4	23711.8	1350.8	0.0	0.0	-2,099
144+00	50	212.1	17.0	0.0	0.0	376.4	19.6	0.0	0.0	23069.8	23736.4	1373.2	0.0	0.0	-1,765
144+50	50	148.4	41.9	0.0	0.0	333.8	54.5	0.0	0.0	23403.6	23804.5	1393.1	0.0	0.0	-1,515
145+00	50	96.8	196.0	0.0	0.0	227.0	220.3	0.0	0.0	23630.7	24079.9	1406.6	0.0	0.0	-1,575
145+50	50	87.0	312.6	0.0	0.0	170.2	471.0	0.0	0.0	23800.9	24668.6	1416.7	0.0	0.0	-2,001
146+00	50	79.4	801.5	0.0	0.0	154.1	1031.5	0.0	0.0	23955.0	25958.0	1425.9	0.0	0.0	-3,144
146+50	50	118.6	389.0	0.0	0.0	183.4	1102.3	0.0	0.0	24138.4	27335.9	1436.8	0.0	0.0	-4,347
147+00	50	155.8	58.7	0.0	21.4	254.1	414.6	0.0	19.8	24392.4	27854.1	1451.9	0.0	19.8	-4,603
147+50	50	268.9	35.6	0.0	20.9	393.2	87.3	0.0	39.1	24785.6	27963.3	1475.3	0.0	58.9	-4,299
148+00	50	307.5	40.2	0.0	13.5	533.7	70.2	0.0	31.8	25319.3	28051.0	1507.1	0.0	90.7	-3,847
148+50	50	291.0	63.2	0.0	15.9	554.2	95.8	0.0	27.3	25873.5	28170.7	1540.1	0.0	118.0	-3,411
149+00	50	181.4	145.3	0.0	0.0	437.4	193.0	0.0	14.8	26310.9	28412.0	1566.1	0.0	132.7	-3,221
149+15	15	214.0	145.2	0.0	0.0	109.8	80.7	0.0	0.0	26420.7	28512.9	1572.7	0.0	132.7	-3,218
149+50	35	120.1	191.8	0.0	0.3	216.5	218.5	0.0	0.2	26637.3	28786.0	1585.6	0.0	132.9	-3,284

CON'T NEXT PAGE

PLEASANT VIEW ROAD		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)					
NB CHAIN		EXCAVATION COMMON	FILL	ROCK EXCAVATION	STRUCTURE EXCAVATION	EXCAVATION COMMON	FILL	ROCK EXCAVATION	STRUCTURE EXCAVATION	EXCAVATION COMMON 1.00	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25	EXPANDED ROCK 1.10	STRUCTURE EXCAVATION 1.00	MASS ORDINATE
STATION	DISTANCE	NOTE 1	NOTE 3	NOTE 7	NOTE 4	NOTE 1	NOTE 3	NOTE 7	NOTE 4	NOTE 1		NOTE 5	NOTE 7	NOTE 4	NOTE 6
150+00	50	72.0	155.1	0.0	37.2	177.9	321.2	0.0	34.7	26815.1	29187.5	1596.1	0.0	167.6	-3,482
150+50	50	57.5	177.1	0.0	55.6	119.9	307.5	0.0	85.9	26935.0	29571.9	1603.3	0.0	253.5	-3,666
151+00	50	82.9	178.3	0.0	23.7	130.0	329.0	0.0	73.4	27065.1	29983.1	1611.0	0.0	327.0	-3,880
151+50	50	125.6	216.3	0.0	6.0	193.1	365.3	0.0	27.6	27258.1	30439.8	1622.5	0.0	354.5	-4,125
152+00	50	198.9	338.8	0.0	1.7	300.4	514.0	0.0	7.2	27558.6	31082.3	1640.4	0.0	361.7	-4,474
152+50	50	333.1	386.6	0.0	5.1	492.6	671.6	0.0	6.3	28051.2	31921.8	1669.7	0.0	368.0	-4,838
153+00	50	596.0	131.5	0.0	56.0	860.3	479.7	0.0	56.6	28911.5	32521.4	1720.9	0.0	424.5	-4,562
153+50	50	915.3	22.4	325.3	105.5	1399.4	142.5	301.2	149.5	30310.9	32699.6	1804.2	331.3	574.1	-3,258
154+00	50	1148.2	0.3	607.0	269.1	1910.7	21.0	863.2	346.8	32221.6	32725.9	1918.0	1280.9	920.9	-1,118
154+50	50	1088.2	0.0	1154.8	323.4	2070.8	0.3	1631.3	548.5	34292.4	32726.2	2041.2	3075.3	1469.4	1,403
155+00	50	1435.5	4.6	1191.5	425.4	2336.8	4.3	2172.5	693.3	36629.2	32731.6	2180.3	5465.0	2162.7	4,316
155+50	50	1791.3	0.0	1250.4	408.8	2987.8	4.3	2261.0	772.4	39617.0	32737.0	2358.2	7952.1	2935.1	7,929
156+00	50	2005.8	0.0	1490.8	231.9	3515.8	0.0	2538.1	593.2	43132.8	32737.0	2567.4	10744.0	3528.3	11,870
156+50	50	1564.3	0.0	1690.8	83.1	3305.7	0.0	2945.9	291.6	46438.5	32737.0	2764.2	13984.5	3819.9	15,310
157+00	50	1707.5	0.0	1429.3	3.8	3029.5	0.0	2888.9	80.4	49468.0	32737.0	2944.5	17162.3	3900.3	18,276
157+50	50	1888.9	0.0	1240.3	0.0	3330.0	0.0	2471.8	3.5	52798.0	32737.0	3142.7	19881.3	3903.8	21,451
158+00	50	1718.1	0.0	971.4	0.0	3339.8	0.0	2047.8	0.0	56137.8	32737.0	3341.5	22133.9	3903.8	24,631
158+50	50	1628.0	0.0	783.1	0.0	3098.2	0.0	1624.5	0.0	59236.1	32737.0	3526.0	23920.9	3903.8	27,582
158+61	11	2115.7	0.0	821.0	0.0	762.6	0.0	326.8	0.0	59998.7	32737.0	3571.4	24280.3	3903.8	28,308
159+00	39	1543.8	0.0	763.5	0.0	2642.9	0.0	1144.3	0.0	62641.6	32737.0	3728.7	25539.1	3903.8	30,826
159+50	50	1272.4	0.0	748.4	0.0	2607.6	0.0	1399.9	0.0	65249.2	32737.0	3883.9	27078.9	3903.8	33,309
160+00	50	1308.6	0.0	625.5	0.0	2389.9	0.0	1272.1	0.0	67639.1	32737.0	4026.1	28478.2	3903.8	35,585
160+50	50	1411.1	0.0	482.4	0.0	2518.3	0.0	1025.8	0.0	70157.4	32737.0	4176.0	29606.6	3903.8	37,983
161+00	50	1291.0	0.0	358.3	0.0	2502.0	0.0	778.4	0.0	72659.3	32737.0	4325.0	30462.8	3903.8	40,366
161+50	50	1063.0	0.0	268.1	0.0	2179.7	0.0	580.0	0.0	74839.0	32737.0	4454.7	31100.8	3903.8	42,442
162+00	50	782.3	0.0	216.1	0.0	1708.7	0.0	448.3	0.0	76547.6	32737.0	4556.4	31593.9	3903.8	44,069
162+50	50	426.5	0.0	190.7	12.4	1119.3	0.0	376.6	11.5	77666.9	32737.0	4623.0	32008.2	3915.3	45,147
163+00	50	222.0	73.6	0.0	161.5	600.5	68.2	176.5	161.0	78267.4	32822.2	4658.8	32202.4	4076.3	45,795
163+50	50	93.0	324.0	0.0	283.8	291.8	368.1	0.0	412.3	78559.2	33282.3	4676.1	32202.4	4488.7	46,025
164+00	50	48.7	440.8	0.0	239.5	131.2	708.1	0.0	484.6	78690.4	34167.5	4684.0	32202.4	4973.3	45,749
164+50	50	72.4	384.8	0.0	193.1	112.1	764.4	0.0	400.5	78802.5	35123.0	4690.6	32202.4	5373.8	45,301
165+00	50	20.0	259.1	0.0	190.4	85.6	596.2	0.0	355.1	78888.1	35868.3	4695.7	32202.4	5728.8	44,992
165+50	50	158.7	189.3	0.0	208.5	165.5	415.2	0.0	369.3	79053.6	36387.2	4705.6	32202.4	6098.2	45,000
166+00	50	240.3	73.0	0.0	105.2	369.5	242.8	0.0	290.4	79423.1	36690.8	4727.6	32202.4	6388.6	45,339
166+15	15	263.3	41.7	0.0	112.1	139.9	31.9	0.0	60.4	79563.0	36730.6	4735.9	32202.4	6448.9	45,493
166+50	35	316.6	28.2	0.0	46.7	375.8	45.3	0.0	102.9	79938.9	36787.2	4758.3	32202.4	6551.9	45,897
167+00	50	610.2	14.7	0.0	19.1	858.1	39.7	0.0	60.9	80797.0	36836.9	4809.3	32202.4	6612.8	46,725
167+50	50	1387.3	0.0	72.5	34.8	1849.5	13.6	67.1	49.8	82646.5	36853.9	4919.4	32276.2	6662.7	48,520
168+00	50	1170.6	0.0	1075.0	0.0	2368.4	0.0	1062.5	32.2	85014.9	36853.9	5060.4	33445.0	6694.8	50,807
168+50	50	1188.2	0.0	1236.2	0.0	2184.1	0.0	2140.0	0.0	87199.0	36853.9	5190.4	35799.0	6694.8	52,888
169+00	50	1171.2	0.0	1438.3	0.0	2184.6	0.0	2476.4	0.0	89383.6	36853.9	5320.5	38523.0	6694.8	54,968
169+50	50	457.4	0.0	0.0	0.0	1508.0	0.0	1331.8	0.0	90891.6	36853.9	5410.2	39987.9	6694.8	56,404
170+00	50	382.0	0.0	0.0	0.0	777.2	0.0	0.0	0.0	91668.8	36853.9	5456.5	39987.9	6694.8	57,145
170+50	50	297.5	0.0	0.0	0.0	629.2	0.0	0.0	0.0	92298.0	36853.9	5493.9	39987.9	6694.8	57,744
170+79	29	297.5	0.0	0.0	0.0	323.3	0.0	0.0	0.0	92621.3	36853.9	5513.2	39987.9	6694.8	58,052

CON'T NEXT PAGE

PLEASANT VIEW ROAD		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)					
NB CHAIN															
STATION	DISTANCE	EXCAVATION COMMON NOTE 1	FILL NOTE 3	ROCK EXCAVATION NOTE 7	STRUCTURE EXCAVATION NOTE 4	EXCAVATION COMMON NOTE 1	FILL NOTE 3	ROCK EXCAVATION NOTE 7	STRUCTURE EXCAVATION NOTE 4	EXCAVATION COMMON 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25 NOTE 5	EXPANDED ROCK 1.10 NOTE 7	STRUCTURE EXCAVATION 1.00 NOTE 4	MASS ORDINATE NOTE 6
172+05	---	18.9	85.1	0.0	0.0	0.0	0.0	0.0	0.0	92621.3	36853.9	5513.2	39987.9	6694.8	58,052
172+50	45	18.9	85.1	0.0	0.0	31.5	141.5	0.0	0.0	92652.7	37030.8	5515.0	39987.9	6694.8	57,905
173+00	50	7.7	112.3	0.0	0.0	24.7	182.7	0.0	0.0	92677.4	37259.2	5516.5	39987.9	6694.8	57,700
173+50	50	8.8	100.5	0.0	0.0	15.3	197.0	0.0	0.0	92692.7	37505.5	5517.4	39987.9	6694.8	57,468
174+00	50	19.8	82.8	0.0	0.0	26.4	169.8	0.0	0.0	92719.1	37717.7	5519.0	39987.9	6694.8	57,281
174+50	50	23.2	130.3	0.0	0.0	39.8	197.3	0.0	0.0	92758.9	37964.3	5521.4	39987.9	6694.8	57,072
175+00	50	215.7	134.5	0.0	0.0	221.2	245.2	0.0	0.0	92980.0	38270.8	5534.5	39987.9	6694.8	56,976
175+50	50	115.1	108.2	0.0	0.0	306.3	224.8	0.0	0.0	93286.3	38551.8	5552.8	39987.9	6694.8	56,987
176+00	50	63.8	109.0	0.0	4.8	165.7	201.1	0.0	4.5	93452.0	38803.1	5562.6	39987.9	6699.3	56,898
176+50	50	72.8	113.2	0.0	29.0	126.5	205.8	0.0	31.3	93578.5	39060.3	5570.1	39987.9	6730.6	56,793
177+00	50	26.9	198.4	0.0	29.3	92.3	288.6	0.0	54.0	93670.8	39421.1	5575.6	39987.9	6784.6	56,574
177+27	27	22.3	134.2	0.0	29.1	24.6	166.3	0.0	29.2	93695.4	39629.0	5577.1	39987.9	6813.8	56,419
177+50	23	81.3	239.9	0.0	27.4	44.2	159.4	0.0	24.1	93739.6	39828.2	5579.7	39987.9	6837.9	56,285
178+00	50	29.8	301.1	0.0	26.9	102.9	500.9	0.0	50.3	93842.5	40454.3	5585.9	39987.9	6888.1	55,808
						93842.5	32363.4	36352.7	6888.1						

NOTES:

1) EXCAVATION COMMON: EXCAVATION COMMON INCLUDES CUT, EBS, AND UNUSABLE PAVEMENT MATERIAL. EBS = 5% OF CUT
2) UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) STRUCTURE EXCAVATION IS FOR INFORMATION ONLY. STRUCTURE EXCAVATION IS INCIDENTAL TO WALL BID ITEMS. STRUCTURE EXCAVATION DOES NOT INCLUDE ROCK EXCAVATION WITHIN THE STRUCTURE EXCAVATION LIMITS
5) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
6) MASS ORDINATE: MASS ORDINATE = CUT + STRUCTURE EXCAVATION - (FILL* FILL FACTOR)
7) ROCK EXPANSION FACTOR = 1.1. ROCK EXCAVATION NOT USED FOR FILL MATERIAL.

PLEASANT VIEW ROAD		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)					
SB CHAIN		EXCAVATION COMMON	FILL	ROCK EXCAVATION	STRUCTURE EXCAVATION	EXCAVATION COMMON	FILL	ROCK EXCAVATION	STRUCTURE EXCAVATION	EXCAVATION COMMON 1.00	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25	EXPANDED ROCK 1.10	STRUCTURE EXCAVATION 1.00	MASS ORDINATE
STATION	DISTANCE	NOTE 1	NOTE 3	NOTE 7	NOTE 4	NOTE 1	NOTE 3	NOTE 7	NOTE 4	NOTE 1	NOTE 1	NOTE 5	NOTE 7	NOTE 4	NOTE 6
126+00	---	130.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
126+50	50	118.7	0.8	0.0	0.0	231.0	1.3	0.0	0.0	231.0	1.6	13.8	0.0	0.0	218
127+00	50	93.8	2.9	0.0	0.0	196.7	3.4	0.0	0.0	427.7	5.9	25.5	0.0	0.0	401
127+50	50	113.8	0.0	0.0	0.0	192.2	2.7	0.0	0.0	619.9	9.2	36.9	0.0	0.0	581
128+00	50	201.6	0.0	0.0	0.0	292.0	0.0	0.0	0.0	911.9	9.2	54.3	0.0	0.0	859
129+24	---	109.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	911.9	9.2	54.3	0.0	0.0	859
129+50	26	94.4	26.0	0.0	0.0	99.9	13.6	0.0	0.0	1011.9	26.2	60.2	0.0	0.0	938
130+00	50	118.5	26.3	0.0	0.0	197.1	48.5	0.0	0.0	1209.0	86.8	72.0	0.0	0.0	1,065
130+50	50	66.5	44.5	0.0	0.0	171.4	65.6	0.0	0.0	1380.4	168.8	82.2	0.0	0.0	1,146
131+00	50	60.0	29.8	0.0	0.0	117.2	68.8	0.0	0.0	1497.5	254.9	89.1	0.0	0.0	1,171
136+00	---	168.0	16.9	0.0	0.0	0.0	0.0	0.0	0.0	1497.5	254.9	89.1	0.0	0.0	1,171
136+50	50	173.3	12.5	0.0	0.0	316.0	27.2	0.0	0.0	1813.5	288.9	107.9	0.0	0.0	1,438
137+00	50	211.6	7.2	0.0	0.0	356.4	18.3	0.0	0.0	2169.9	311.7	129.2	0.0	0.0	1,755
137+50	50	238.4	4.6	0.0	0.0	416.7	11.0	0.0	0.0	2586.6	325.5	154.0	0.0	0.0	2,138
138+00	50	226.6	2.3	0.0	0.0	430.5	6.5	0.0	0.0	3017.1	333.5	179.6	0.0	0.0	2,540
138+50	50	222.1	0.9	0.0	0.0	415.4	3.0	0.0	0.0	3432.4	337.3	204.3	0.0	0.0	2,932
139+00	50	208.9	0.3	0.0	0.0	399.1	1.1	0.0	0.0	3831.5	338.8	228.1	0.0	0.0	3,310
139+50	50	172.5	1.8	0.0	0.0	353.2	1.9	0.0	0.0	4184.7	341.2	249.1	0.0	0.0	3,644
140+00	50	150.3	3.3	0.0	0.0	298.9	4.7	0.0	0.0	4483.6	347.0	266.9	0.0	0.0	3,923
140+20	20	124.2	6.4	0.0	0.0	101.3	3.6	0.0	0.0	4584.9	351.5	272.9	0.0	0.0	4,015
141+36	---	120.5	35.4	0.0	0.0	0.0	0.0	0.0	0.0	4584.9	351.5	272.9	0.0	0.0	4,015
141+50	14	134.9	27.0	0.0	0.0	66.2	16.2	0.0	0.0	4651.1	371.7	276.9	0.0	0.0	4,058
142+00	50	171.1	27.1	0.0	0.0	283.3	50.1	0.0	0.0	4934.4	434.3	293.7	0.0	0.0	4,265
142+50	50	156.9	47.2	0.0	0.0	303.7	68.8	0.0	0.0	5238.1	520.3	311.8	0.0	0.0	4,468
143+00	50	145.2	18.9	0.0	0.0	279.8	61.1	0.0	0.0	5517.9	596.7	328.4	0.0	0.0	4,658
143+50	50	173.1	18.6	0.0	0.0	294.8	34.6	0.0	0.0	5812.7	640.0	346.0	0.0	0.0	4,896
169+50	---	977.3	0.0	1273.5	0.0	0.0	0.0	0.0	0.0	5812.7	640.0	346.0	0.0	0.0	4,896
170+00	50	1297.4	0.0	723.8	0.0	2106.2	0.0	1849.3	0.0	7918.9	640.0	471.4	2034.2	0.0	6,902
170+50	50	1277.9	0.0	0.0	0.0	2384.6	0.0	670.1	0.0	10303.5	640.0	613.3	2771.4	0.0	9,173
170+93	43	735.8	0.0	0.0	0.0	1592.3	0.0	0.0	0.0	11895.8	640.0	708.1	2771.4	0.0	10,689
172+08	---	73.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0	11895.8	640.0	708.1	2771.4	0.0	10,689
172+50	42	24.8	19.3	0.0	0.0	76.9	17.8	0.0	0.0	11972.7	662.2	712.7	2771.4	0.0	10,740
173+00	50	98.0	15.9	0.0	0.0	113.7	32.6	0.0	0.0	12086.3	703.0	719.4	2771.4	0.0	10,808
173+50	50	97.7	2.3	0.0	0.0	181.2	16.9	0.0	0.0	12267.5	724.1	730.2	2771.4	0.0	10,959
174+00	50	171.4	0.0	0.0	0.0	249.2	2.1	0.0	0.0	12516.7	726.8	745.0	2771.4	0.0	11,194
174+50	50	177.0	0.0	0.0	0.0	322.6	0.0	0.0	0.0	12839.3	726.8	764.2	2771.4	0.0	11,501
						12839.3	581.4	2519.4	0.0						

NOTES:

1) EXCAVATION COMMON: EXCAVATION COMMON INCLUDES CUT, EBS, AND UNUSABLE PAVEMENT MATERIAL. EBS = 5% OF CUT
2) UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
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5) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
6) MASS ORDINATE: MASS ORDINATE = CUT + STRUCTURE EXCAVATION - (FILL* FILL FACTOR)
7) ROCK EXPANSION FACTOR = 1.1. ROCK EXCAVATION NOT USED FOR FILL MATERIAL.

BLACKHAWK ROAD		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)			
B CHAIN		EXCAVATION COMMON	FILL	EXCAVATION COMMON	FILL	EXCAVATION COMMON 1.00	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25	MASS ORDINATE
STATION	DISTANCE	NOTE 1	NOTE 3	NOTE 1	NOTE 3	NOTE 1		NOTE 4	NOTE 5
10+71	---	116.6	15.4	0.0	0.0	0.0	0.0	0.0	0
11+00	29	120.8	36.8	126.4	27.8	126.4	34.7	7.5	86
11+41	41	163.2	8.7	215.6	34.5	342.0	77.9	20.4	248
11+50	9	176.1	8.9	56.6	2.9	398.6	81.6	23.7	298
12+00	50	171.2	14.5	321.6	21.7	720.2	108.7	42.9	577
12+50	50	227.6	3.8	369.3	17.0	1089.5	129.9	64.9	908
13+00	50	273.3	1.0	463.8	4.5	1553.3	135.5	92.5	1,344
13+50	50	263.2	0.5	496.8	1.5	2050.1	137.4	122.0	1,815
14+00	50	96.7	0.7	333.2	1.2	2383.3	138.8	141.9	2,131
14+50	50	91.0	5.5	173.7	5.7	2557.0	146.0	152.2	2,289
15+00	50	72.7	4.7	151.5	9.4	2708.5	157.7	161.2	2,422
15+11	11	72.7	4.7	30.5	2.0	2739.1	160.2	163.0	2,448
16+62	---	30.3	132.2	0.0	0.0	2739.1	160.2	163.0	2,448
17+00	38	30.3	132.2	42.2	184.4	2781.3	390.7	165.6	2,258
17+50	50	0.0	174.2	28.0	283.7	2809.3	745.4	167.2	1,930
18+00	50	0.0	167.5	0.0	316.4	2809.3	1140.9	167.2	1,535
18+50	50	0.0	216.3	0.0	355.4	2809.3	1585.1	167.2	1,090
19+00	50	1.6	105.4	1.5	297.9	2810.8	1957.4	167.3	719
19+50	50	60.5	58.7	57.5	151.9	2868.3	2147.2	170.7	584
20+00	50	103.3	17.1	151.6	70.2	3019.9	2235.0	179.8	641
20+50	50	149.2	0.1	233.8	15.9	3253.7	2254.9	193.7	844
20+58	8	151.6	0.0	44.6	0.0	3298.3	2254.9	196.3	886
21+00	42	148.5	0.0	233.4	0.0	3531.7	2254.9	210.2	1,109
21+16	16	151.6	0.0	90.9	0.0	3622.6	2254.9	215.6	1,195
				3622.6	1803.9				

NOTES:

1) EXCAVATION COMMON: EXCAVATION COMMON INCLUDES CUT, EBS, AND UNUSABLE PAVEMENT MATERIAL. EBS = 5% OF CUT
2) UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
5) MASS ORDINATE: MASS ORDINATE = CUT + STRUCTURE EXCAVATION - (FILL* FILL FACTOR)

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FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090104_ew.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 49

BLACKHAWK ROAD ROUNDABOUT		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)			
B1 CHAIN									
STATION	DISTANCE	EXCAVATION COMMON NOTE 1	FILL NOTE 3	EXCAVATION COMMON NOTE 1	FILL NOTE 3	EXCAVATION COMMON 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25 NOTE 4	MASS ORDINATE NOTE 5
10+00	---	117	32	0	0	0	0	0	0
10+50	50	74	42	178	69	178	86	11	83
11+00	50	153	45	211	83	388	190	23	180
11+50	50	115	33	248	72	637	280	38	326
12+00	50	150	28	246	57	882	351	53	489
12+50	50	194	83	319	103	1,201	480	71	664
12+98	48	117	32	279	103	1,481	609	88	801
				1,481	487				

NOTES:

1) EXCAVATION COMMON: EXCAVATION COMMON INCLUDES CUT, EBS, AND UNUSABLE PAVEMENT MATERIAL. EBS = 5% OF CUT
2) UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
5) MASS ORDINATE: MASS ORDINATE = CUT + STRUCTURE EXCAVATION - (FILL* FILL FACTOR)

B3 CHAIN		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)			
STATION	DISTANCE	EXCAVATION COMMON NOTE 1	FILL NOTE 3	EXCAVATION COMMON NOTE 1	FILL NOTE 3	EXCAVATION COMMON 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25 NOTE 4	MASS ORDINATE NOTE 5
10+00	---	69.7	50.6	0.0	0.0	0.0	0.0	0.0	0
10+50	50	32.8	77.1	94.9	118.2	94.9	147.8	5.7	-57
11+00	50	0.0	125.1	30.4	187.2	125.3	381.8	7.5	-262
11+50	50	0.0	128.3	0.0	234.7	125.3	675.2	7.5	-556
				125.3	540.1				

NOTES:

1) EXCAVATION COMMON: EXCAVATION COMMON INCLUDES CUT, EBS, AND UNUSABLE PAVEMENT MATERIAL. EBS = 5% OF CUT
2) UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
5) MASS ORDINATE: MASS ORDINATE = CUT + STRUCTURE EXCAVATION - (FILL* FILL FACTOR)

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B6 CHAIN		AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)				
STATION	DISTANCE	EXCAVATION COMMON NOTE 1	FILL NOTE 3	STRUCTURE EXCAVATION NOTE 4	EXCAVATION COMMON NOTE 1	FILL NOTE 3	STRUCTURE EXCAVATION NOTE 4	EXCAVATION COMMON 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25 NOTE 5	STRUCTURE EXCAVATION 1.00 NOTE 4	MASS ORDINATE NOTE 6
10+00	---	131.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
10+50	50	102.4	0.0	15.7	216.2	0.0	14.5	216.2	0.0	12.9	14.5	220
11+00	50	90.7	6.8	15.4	178.8	6.3	28.7	395.0	7.8	23.5	43.3	412
11+50	50	69.7	0.1	0.0	148.5	6.4	14.2	543.5	15.8	32.4	57.5	559
					543.5	12.6	57.5					

NOTES:

1) EXCAVATION COMMON: EXCAVATION COMMON INCLUDES CUT, EBS, AND UNUSABLE PAVEMENT MATERIAL. EBS = 5% OF CUT
2) UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) STRUCTURE EXCAVATION IS FOR INFORMATION ONLY. STRUCTURE EXCAVATION IS INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-362"
5) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
6) MASS ORDINATE: MASS ORDINATE = CUT + STRUCTURE EXCAVATION - (FILL* FILL FACTOR)

GREENWAY BLVD		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)			
G CHAIN									
STATION	DISTANCE	EXCAVATION COMMON NOTE 1	FILL NOTE 3	EXCAVATION COMMON NOTE 1	FILL NOTE 3	EXCAVATION COMMON 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25 NOTE 4	MASS ORDINATE NOTE 5
50+00	---	60.3	28.2	0.0	0.0	0.0	0.0	0.0	0
50+50	50	71.8	31.9	122.4	55.6	122.4	69.5	7.3	47
51+00	50	161.8	32.6	216.3	59.7	338.7	144.1	20.2	179
51+50	50	230.5	0.0	363.3	30.1	702.0	181.7	41.8	487
51+55	5	234.5	0.0	43.1	0.0	745.0	181.7	44.3	528
52+00	45	188.6	11.3	352.6	9.4	1097.6	193.5	65.3	852
52+50	50	82.8	4.7	251.3	14.8	1348.9	211.9	80.3	1,073
53+00	50	90.5	2.8	160.4	6.9	1509.4	220.5	89.8	1,217
53+38	38	99.9	0.0	134.6	1.9	1644.0	222.9	97.9	1,343
				1644.0	178.3				

NOTES:

1) EXCAVATION COMMON: EXCAVATION COMMON INCLUDES CUT, EBS, AND UNUSABLE PAVEMENT MATERIAL. EBS = 5% OF CUT
2) UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
5) MASS ORDINATE: MASS ORDINATE = CUT + STRUCTURE EXCAVATION - (FILL* FILL FACTOR)

GREENWAY BLVD ROUNDABOUT		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)			
G1 CHAIN									
STATION	DISTANCE	EXCAVATION COMMON NOTE 1	FILL NOTE 3	EXCAVATION COMMON NOTE 1	FILL NOTE 3	EXCAVATION COMMON 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25 NOTE 4	MASS ORDINATE NOTE 5
10+00	---	201	42	0	0	0	0	0	0
10+50	50	202	35	373	71	373	89	22	266
11+00	50	132	36	309	66	682	171	41	478
11+50	50	150	34	261	65	943	253	56	646
12+00	50	231	28	353	58	1,296	324	77	910
12+50	50	178	25	378	49	1,674	385	100	1,209
12+98	48	201	42	340	60	2,014	460	120	1,458
				2,014	368				

NOTES:

1) EXCAVATION COMMON: EXCAVATION COMMON INCLUDES CUT, EBS, AND UNUSABLE PAVEMENT MATERIAL. EBS = 5% OF CUT
2) UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
5) MASS ORDINATE: MASS ORDINATE = CUT + STRUCTURE EXCAVATION - (FILL* FILL FACTOR)

G3 CHAIN		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)			
STATION	DISTANCE	EXCAVATION COMMON NOTE 1	FILL NOTE 3	EXCAVATION COMMON NOTE 1	FILL NOTE 3	EXCAVATION COMMON 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25 NOTE 4	MASS ORDINATE NOTE 5
10+00	---	81.2	5.1	0.0	0.0	0.0	0.0	0.0	0
10+50	50	65.1	6.2	135.4	10.4	135.4	13.0	8.1	116
11+00	50	75.0	12.8	129.7	17.6	265.0	35.0	15.8	217
				265.0	28.0				

NOTES:

1) EXCAVATION COMMON: EXCAVATION COMMON INCLUDES CUT, EBS, AND UNUSABLE PAVEMENT MATERIAL. EBS = 5% OF CUT
2) UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
5) MASS ORDINATE: MASS ORDINATE = CUT + STRUCTURE EXCAVATION - (FILL* FILL FACTOR)

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QUARRY ROAD		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)			
Q CHAIN						EXCAVATION COMMON 1.00	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25	
STATION	DISTANCE	EXCAVATION COMMON NOTE 1	FILL NOTE 3	EXCAVATION COMMON NOTE 1	FILL NOTE 3	NOTE 1		NOTE 4	MASS ORDINATE NOTE 5
50+00	---	59.1	23.2	0.0	0.0	0.0	0.0	0.0	0
50+50	50	159.6	9.9	202.5	30.6	202.5	38.3	12.1	155
51+00	50	161.1	4.6	296.9	13.4	499.4	55.0	29.7	421
51+30	30	172.0	0.0	185.1	2.5	684.5	58.2	40.7	594
51+50	20	139.0	0.0	115.2	0.0	799.7	58.2	47.6	703
51+57	7	122.7	1.8	34.9	0.2	834.6	58.5	49.7	736
				834.6	46.8				

NOTES:

1) EXCAVATION COMMON: EXCAVATION COMMON INCLUDES CUT, EBS, AND UNUSABLE PAVEMENT MATERIAL. EBS = 5% OF CUT
2) UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
5) MASS ORDINATE: MASS ORDINATE = CUT + STRUCTURE EXCAVATION - (FILL* FILL FACTOR)

QUARRY ROAD ROUNDABOUT		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)			
Q1 CHAIN						EXCAVATION COMMON 1.00	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25	
STATION	DISTANCE	EXCAVATION COMMON NOTE 1	FILL NOTE 3	EXCAVATION COMMON NOTE 1	FILL NOTE 3	NOTE 1		NOTE 4	MASS ORDINATE NOTE 5
10+00	---	276	17	0	0	0	0	0	0
10+50	50	387	32	614	45	614	56	37	528
10+78	28	511	38	465	36	1,079	101	64	926
11+00	22	202	41	291	32	1,370	141	82	1,163
11+50	50	90	25	270	61	1,640	218	98	1,344
12+00	50	184	23	253	44	1,893	273	113	1,530
12+50	50	298	19	446	39	2,339	322	139	1,906
12+98	48	276	17	515	32	2,853	362	170	2,355
				2,853	290				

NOTES:

1) EXCAVATION COMMON: EXCAVATION COMMON INCLUDES CUT, EBS, AND UNUSABLE PAVEMENT MATERIAL. EBS = 5% OF CUT
2) UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
5) MASS ORDINATE: MASS ORDINATE = CUT + STRUCTURE EXCAVATION - (FILL* FILL FACTOR)

Q3 CHAIN		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)			
STATION	DISTANCE	EXCAVATION COMMON NOTE 1	FILL NOTE 3	EXCAVATION COMMON NOTE 1	FILL NOTE 3	EXCAVATION COMMON 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25 NOTE 4	MASS ORDINATE NOTE 5
10+00	---	121.5	0.3	0.0	0.0	0.0	0.0	0.0	0
10+50	50	85.1	0.1	191.2	0.3	191.2	0.4	11.4	182
				191.2	0.3				

NOTES:

1) EXCAVATION COMMON: EXCAVATION COMMON INCLUDES CUT, EBS, AND UNUSABLE PAVEMENT MATERIAL. EBS = 5% OF CUT
2) UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
5) MASS ORDINATE: MASS ORDINATE = CUT + STRUCTURE EXCAVATION - (FILL* FILL FACTOR)

BP CHAIN		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)			
STATION	DISTANCE	EXCAVATION COMMON NOTE 1	FILL NOTE 3	EXCAVATION COMMON NOTE 1	FILL NOTE 3	EXCAVATION COMMON 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25 NOTE 4	MASS ORDINATE NOTE 5
36+65	---	9.5	0.7	0.0	0.0	0.0	0.0	0.0	0
37+00	35	2.9	1.4	8.1	1.4	8.1	1.7	0.5	6
37+50	50	0.0	38.9	2.7	37.3	10.7	48.4	0.6	-38
37+76	26	0.0	38.9	0.0	37.9	10.7	95.7	0.6	-85
38+98	---	154.4	0.0	0.0	0.0	10.7	95.7	0.6	-85
39+00	2	154.4	0.0	12.7	0.0	23.4	95.7	1.4	-73
39+50	50	53.0	0.0	192.1	0.0	215.5	95.7	12.8	110
40+00	50	61.8	0.0	106.3	0.0	321.8	95.7	19.2	211
40+50	50	7.3	1.4	64.0	1.3	385.8	97.3	23.0	270
41+00	50	0.0	55.8	6.8	52.9	392.5	163.4	23.4	210
41+50	50	0.0	47.8	0.0	95.9	392.5	283.3	23.4	91
42+00	50	10.7	1.0	9.9	45.2	402.4	339.7	24.0	44
42+34	34	10.7	1.0	13.3	1.2	415.8	341.3	24.7	55
				415.8	273.0				

NOTES:

1) EXCAVATION COMMON: EXCAVATION COMMON INCLUDES CUT, EBS, AND UNUSABLE PAVEMENT MATERIAL. EBS = 5% OF CUT
2) UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
5) MASS ORDINATE: MASS ORDINATE = CUT + STRUCTURE EXCAVATION - (FILL* FILL FACTOR)

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BP2 CHAIN		AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)				
STATION	DISTANCE	EXCAVATION COMMON NOTE 1	FILL NOTE 3	STRUCTURE EXCAVATION NOTE 4	EXCAVATION COMMON NOTE 1	FILL NOTE 3	STRUCTURE EXCAVATION NOTE 4	EXCAVATION COMMON 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25 NOTE 5	STRUCTURE EXCAVATION 1.00 NOTE 4	MASS ORDINATE NOTE 6
50+00	---	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
50+50	50	1.2	7.0	21.6	18.9	6.5	20.0	18.9	8.1	1.1	20.0	30
51+00	50	0.0	115.2	0.0	1.2	113.1	20.0	20.1	149.5	1.2	39.9	-90
51+50	50	0.0	84.1	0.0	0.0	184.5	0.0	20.1	380.1	1.2	39.9	-321
52+00	50	6.9	45.8	0.0	6.4	120.2	0.0	26.5	530.4	1.6	39.9	-465
52+50	50	0.0	23.2	0.0	6.4	63.9	0.0	32.9	610.3	2.0	39.9	-539
53+00	50	0.0	29.2	0.0	0.0	48.5	0.0	32.9	670.9	2.0	39.9	-600
53+50	50	1.5	8.4	0.0	1.4	34.8	0.0	34.3	714.4	2.0	39.9	-642
54+00	50	54.5	0.0	0.0	51.8	7.8	0.0	86.1	724.1	5.1	39.9	-602
54+50	50	78.2	0.0	0.0	122.9	0.0	0.0	209.0	724.1	12.4	39.9	-485
55+00	50	0.3	8.9	0.0	72.7	8.2	0.0	281.7	734.4	16.8	39.9	-426
					281.7	587.5	39.9					

NOTES:

1) EXCAVATION COMMON: EXCAVATION COMMON INCLUDES CUT, EBS, AND UNUSABLE PAVEMENT MATERIAL. EBS = 5% OF CUT
2) UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) STRUCTURE EXCAVATION IS FOR INFORMATION ONLY. STRUCTURE EXCAVATION IS INCIDENTAL TO BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-13-363"
5) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
6) MASS ORDINATE: MASS ORDINATE = CUT + STRUCTURE EXCAVATION - (FILL* FILL FACTOR)

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FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090110_ew.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 49

NB CHAIN		AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)				
STAGE 1 WIDENING												
STATION	DISTANCE	EXCAVATION COMMON NOTE 1	FILL NOTE 3	STRUCTURE EXCAVATION NOTE 4	EXCAVATION COMMON NOTE 1	FILL NOTE 3	STRUCTURE EXCAVATION NOTE 4	EXCAVATION COMMON 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25 NOTE 5	STRUCTURE EXCAVATION 1.00 NOTE 4	MASS ORDINATE NOTE 6
106+31	---	18.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
107+00	69	18.7	0.0	0.0	47.5	0.0	0.0	47.5	0.0	2.8	0.0	45
107+50	50	18.1	0.0	0.0	34.0	0.0	0.0	81.5	0.0	4.9	0.0	78
108+00	50	18.1	0.0	0.0	33.5	0.0	0.0	115.0	0.0	6.8	0.0	110
108+50	50	1.2	0.0	0.0	17.9	0.0	0.0	132.9	0.0	7.9	0.0	127
109+00	50	28.5	0.0	0.0	27.5	0.0	0.0	160.4	0.0	9.5	0.0	153
109+50	50	26.7	0.0	0.0	51.1	0.0	0.0	211.5	0.0	12.6	0.0	201
110+00	50	12.2	0.0	0.0	36.0	0.0	0.0	247.5	0.0	14.7	0.0	236
110+50	50	8.2	16.9	0.0	18.9	15.7	0.0	266.4	19.6	15.9	0.0	234
111+00	50	26.0	0.0	0.0	31.7	15.7	0.0	298.1	39.1	17.7	0.0	245
111+50	50	54.2	0.0	0.0	74.2	0.0	0.0	372.3	39.1	22.2	0.0	315
112+00	50	63.8	0.0	0.0	109.3	0.0	0.0	481.6	39.1	28.7	0.0	420
112+50	50	150.4	0.0	0.0	198.3	0.0	0.0	679.9	39.1	40.5	0.0	608
113+00	50	368.1	0.0	0.0	480.1	0.0	0.0	1160.0	39.1	69.0	0.0	1,066
113+50	50	206.1	0.0	0.0	531.7	0.0	0.0	1691.7	39.1	100.7	0.0	1,572
114+00	50	85.2	0.0	0.0	269.7	0.0	0.0	1961.4	39.1	116.7	0.0	1,829
114+50	50	12.7	73.2	0.0	90.6	67.7	0.0	2052.0	123.8	122.1	0.0	1,831
115+00	50	10.3	276.6	0.0	21.2	323.8	0.0	2073.3	528.6	123.4	0.0	1,446
115+50	50	7.3	472.1	0.0	16.2	693.2	0.0	2089.5	1395.1	124.4	0.0	595
116+00	50	7.1	564.9	0.0	13.3	960.2	0.0	2102.8	2595.3	125.2	0.0	-593
116+50	50	4.5	497.4	0.0	10.8	983.6	0.0	2113.6	3824.8	125.8	0.0	-1,812
116+60	10	5.1	332.0	0.0	1.8	153.6	0.0	2115.4	4016.8	125.9	0.0	-2,002
117+00	40	5.9	35.2	0.0	8.2	272.0	0.0	2123.6	4356.9	126.4	0.0	-2,334
117+50	50	38.1	0.0	0.0	40.8	32.6	0.0	2164.4	4397.7	128.8	0.0	-2,336
118+00	50	30.8	0.0	0.0	63.8	0.0	0.0	2228.2	4397.7	132.6	0.0	-2,276
118+50	50	47.1	0.0	0.0	72.1	0.0	0.0	2300.4	4397.7	136.9	0.0	-2,207
119+00	50	3.2	0.0	0.0	46.5	0.0	0.0	2346.9	4397.7	139.7	0.0	-2,163
119+08	8	3.2	0.0	0.0	0.9	0.0	0.0	2347.8	4397.7	139.8	0.0	-2,162
121+54	---	5.8	0.0	0.0	0.0	0.0	0.0	2347.8	4397.7	139.8	0.0	-2,162
122+00	46	5.8	0.0	0.0	10.0	0.0	0.0	2357.8	4397.7	140.3	0.0	-2,152
122+50	50	6.2	4.9	0.0	11.2	4.6	0.0	2369.0	4403.3	141.0	0.0	-2,147
123+00	50	7.2	4.7	0.0	12.5	8.9	0.0	2381.5	4414.4	141.8	0.0	-2,146
123+50	50	11.8	0.0	0.0	17.7	4.3	0.0	2399.1	4419.8	142.8	0.0	-2,135
124+00	50	10.7	0.0	0.0	20.8	0.0	0.0	2420.0	4419.8	144.0	0.0	-2,115
124+50	50	6.9	5.1	0.0	16.2	4.7	0.0	2436.2	4425.7	145.0	0.0	-2,105
125+00	50	15.8	0.5	0.0	20.9	5.1	0.0	2457.1	4432.1	146.3	0.0	-2,092
125+50	50	14.2	0.0	0.0	27.8	0.4	0.0	2484.9	4432.6	147.9	0.0	-2,066
126+00	50	15.8	0.0	0.0	27.8	0.0	0.0	2512.7	4432.6	149.6	0.0	-2,040
126+22	22	15.8	0.0	0.0	12.9	0.0	0.0	2525.5	4432.6	150.3	0.0	-2,027
130+00	---	10.1	0.0	0.0	0.0	0.0	0.0	2525.5	4432.6	150.3	0.0	-2,027
130+50	50	10.1	0.0	0.0	18.7	0.0	0.0	2544.2	4432.6	151.4	0.0	-2,010
131+00	50	14.4	0.0	0.0	22.7	0.0	0.0	2566.9	4432.6	152.8	0.0	-1,988
131+50	50	39.9	0.0	0.0	50.3	0.0	0.0	2617.2	4432.6	155.8	0.0	-1,940
132+00	50	63.7	0.0	0.0	95.9	0.0	0.0	2713.1	4432.6	161.5	0.0	-1,849
132+50	50	120.7	0.0	0.0	170.7	0.0	0.0	2883.8	4432.6	171.7	0.0	-1,686

CON'T NEXT PAGE

NB CHAIN		AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)				
STAGE 1 WIDENING												
STATION	DISTANCE	EXCAVATION COMMON NOTE 1	FILL NOTE 3	STRUCTURE EXCAVATION NOTE 4	EXCAVATION COMMON NOTE 1	FILL NOTE 3	STRUCTURE EXCAVATION NOTE 4	EXCAVATION COMMON 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25 NOTE 5	STRUCTURE EXCAVATION 1.00 NOTE 4	MASS ORDINATE NOTE 6
133+00	50	276.4	0.0	47.4	367.6	0.0	0.0	3251.4	4432.6	193.5	0.0	-1,336
133+50	50	298.7	0.0	128.2	532.5	0.0	162.5	3783.9	4432.6	225.2	162.5	-666
134+00	50	358.6	0.0	181.5	608.6	0.0	286.7	4392.5	4432.6	261.5	449.2	200
134+50	50	262.2	0.0	126.1	574.8	0.0	284.7	4967.3	4432.6	295.7	733.9	1,032
135+00	50	175.1	0.0	85.3	404.9	0.0	195.7	5372.2	4432.6	319.8	929.6	1,613
135+50	50	98.4	0.0	0.0	253.2	0.0	79.0	5625.4	4432.6	334.8	1008.6	1,934
136+00	50	64.2	0.0	0.0	150.5	0.0	0.0	5776.0	4432.6	343.8	1008.6	2,077
136+50	50	53.5	0.0	0.0	109.0	0.0	0.0	5885.0	4432.6	350.3	1008.6	2,181
137+00	50	86.5	0.0	0.0	129.6	0.0	0.0	6014.6	4432.6	358.0	1008.6	2,304
137+50	50	139.0	0.0	0.0	208.7	0.0	0.0	6223.3	4432.6	370.4	1008.6	2,503
138+00	50	60.0	0.0	0.0	184.2	0.0	0.0	6407.5	4432.6	381.4	1008.6	2,678
138+50	50	47.3	0.0	0.0	99.3	0.0	0.0	6506.8	4432.6	387.3	1008.6	2,773
139+00	50	30.8	0.0	0.0	72.3	0.0	0.0	6579.1	4432.6	391.6	1008.6	2,842
139+30	30	14.4	16.7	0.0	25.1	9.3	0.0	6604.2	4444.2	393.1	1008.6	2,854
139+50	20	5.5	14.8	0.0	7.4	11.7	0.0	6611.6	4458.8	393.6	1008.6	2,847
140+00	50	20.2	0.0	0.0	23.8	13.7	0.0	6635.5	4476.0	395.0	1008.6	2,852
140+50	50	20.1	0.0	0.0	37.3	0.0	0.0	6672.8	4476.0	397.2	1008.6	2,888
141+00	50	19.4	0.0	0.0	36.5	0.0	0.0	6709.3	4476.0	399.4	1008.6	2,922
141+50	50	20.9	0.0	0.0	37.3	0.0	0.0	6746.7	4476.0	401.6	1008.6	2,958
142+00	50	43.8	0.0	0.0	60.0	0.0	0.0	6806.7	4476.0	405.2	1008.6	3,015
142+50	50	131.5	0.0	0.0	162.3	0.0	0.0	6969.0	4476.0	414.8	1008.6	3,170
143+00	50	156.4	0.0	0.0	266.6	0.0	0.0	7235.6	4476.0	430.7	1008.6	3,424
143+50	50	157.0	0.0	0.0	290.2	0.0	0.0	7525.8	4476.0	448.0	1008.6	3,700
144+00	50	67.1	0.0	0.0	207.5	0.0	0.0	7733.3	4476.0	460.3	1008.6	3,898
144+50	50	26.8	0.0	0.0	86.9	0.0	0.0	7820.2	4476.0	465.5	1008.6	3,980
145+00	50	36.9	0.0	0.0	59.0	0.0	0.0	7879.2	4476.0	469.0	1008.6	4,037
145+50	50	67.3	0.0	0.0	96.5	0.0	0.0	7975.7	4476.0	474.7	1008.6	4,128
146+00	50	21.5	25.2	0.0	82.2	23.3	0.0	8057.8	4505.1	479.6	1008.6	4,178
146+10	10	21.5	41.8	0.0	7.9	12.4	0.0	8065.8	4520.6	480.1	1008.6	4,170
146+50	40	53.4	10.1	0.0	55.4	38.4	0.0	8121.2	4568.7	483.4	1008.6	4,174
147+00	50	68.9	8.1	0.0	113.2	16.8	0.0	8234.4	4589.6	490.1	1008.6	4,261
147+50	50	110.3	1.8	0.0	165.9	9.1	0.0	8400.3	4601.0	500.0	1008.6	4,408
148+00	50	125.2	0.3	0.0	218.0	2.0	0.0	8618.3	4603.5	513.0	1008.6	4,613
148+50	50	137.2	0.0	0.0	242.9	0.3	0.0	8861.3	4603.8	527.5	1008.6	4,844
149+00	50	66.3	0.0	0.0	188.4	0.0	0.0	9049.7	4603.8	538.7	1008.6	5,024
149+50	50	89.0	1.8	0.0	143.8	1.7	0.0	9193.5	4606.0	547.2	1008.6	5,158
150+00	50	85.2	0.0	0.0	161.2	1.7	0.0	9354.7	4608.1	556.8	1008.6	5,310
150+50	50	73.7	0.0	0.0	147.1	0.0	0.0	9501.8	4608.1	565.6	1008.6	5,450
151+00	50	56.7	0.0	0.0	120.8	0.0	0.0	9622.6	4608.1	572.8	1008.6	5,565
151+50	50	57.4	0.0	0.0	105.6	0.0	0.0	9728.2	4608.1	579.1	1008.6	5,666
152+00	50	33.8	0.0	0.0	84.4	0.0	0.0	9812.7	4608.1	584.1	1008.6	5,746
152+50	50	23.8	3.1	0.0	53.3	2.8	0.0	9866.0	4611.6	587.3	1008.6	5,793
153+00	50	33.2	0.2	0.0	52.8	3.0	0.0	9918.8	4615.4	590.4	1008.6	5,840
153+50	50	48.0	0.0	0.0	75.2	0.2	0.0	9993.9	4615.7	594.9	1008.6	5,911
154+00	50	92.5	0.0	0.0	130.0	0.0	0.0	10124.0	4615.7	602.6	1008.6	6,035

CON'T NEXT PAGE

NB CHAIN		AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)				
STAGE 1 WIDENING												
STATION	DISTANCE	EXCAVATION COMMON NOTE 1	FILL NOTE 3	STRUCTURE EXCAVATION NOTE 4	EXCAVATION COMMON NOTE 1	FILL NOTE 3	STRUCTURE EXCAVATION NOTE 4	EXCAVATION COMMON 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25 NOTE 5	STRUCTURE EXCAVATION 1.00 NOTE 4	MASS ORDINATE NOTE 6
154+50	50	138.4	0.0	0.0	213.8	0.0	0.0	10337.8	4615.7	615.3	1008.6	6,238
155+00	50	69.2	0.0	0.0	192.3	0.0	0.0	10530.0	4615.7	626.8	1008.6	6,422
155+50	50	137.7	0.0	0.0	191.6	0.0	0.0	10721.6	4615.7	638.2	1008.6	6,604
155+80	30	137.7	0.0	0.0	153.0	0.0	0.0	10874.6	4615.7	647.3	1008.6	6,750
166+00	---	28.1	0.0	0.0	0.0	0.0	0.0	10874.6	4615.7	647.3	1008.6	6,750
166+50	50	17.8	0.0	0.0	42.5	0.0	0.0	10917.1	4615.7	649.8	1008.6	6,790
167+00	50	7.1	20.4	0.0	23.0	18.9	0.0	10940.2	4639.3	651.2	1008.6	6,788
167+50	50	7.1	62.7	0.0	13.1	77.0	0.0	10953.2	4735.5	652.0	1008.6	6,705
168+00	50	8.3	100.9	0.0	14.2	151.5	0.0	10967.4	4925.0	652.8	1008.6	6,529
168+50	50	7.9	95.3	0.0	15.0	181.7	0.0	10982.4	5152.1	653.7	1008.6	6,316
169+00	50	7.3	60.6	0.0	14.0	144.3	0.0	10996.5	5332.5	654.6	1008.6	6,149
169+50	50	6.9	28.8	0.0	13.1	82.8	0.0	11009.5	5435.9	655.3	1008.6	6,058
170+00	50	10.5	1.7	0.0	16.0	28.2	0.0	11025.6	5471.1	656.3	1008.6	6,038
170+50	50	11.9	0.0	0.0	20.7	1.5	0.0	11046.3	5473.0	657.5	1008.6	6,056
172+50	---	20.5	0.0	0.0	0.0	0.0	0.0	11046.3	5473.0	657.5	1008.6	6,056
173+00	50	16.7	0.0	0.0	34.5	0.0	0.0	11080.8	5473.0	659.6	1008.6	6,089
173+50	50	17.1	0.0	0.0	31.3	0.0	0.0	11112.1	5473.0	661.4	1008.6	6,119
174+00	50	6.1	0.0	0.0	21.4	0.0	0.0	11133.6	5473.0	662.7	1008.6	6,139
174+50	50	14.9	0.0	0.0	19.4	0.0	0.0	11153.0	5473.0	663.9	1008.6	6,157
175+00	50	9.9	0.0	0.0	23.0	0.0	0.0	11176.0	5473.0	665.2	1008.6	6,179
175+50	50	10.1	0.0	0.0	18.5	0.0	0.0	11194.5	5473.0	666.3	1008.6	6,197
176+00	50	8.6	0.7	0.0	17.3	0.7	0.0	11211.8	5473.9	667.4	1008.6	6,213
176+50	50	13.8	2.9	0.0	20.8	3.3	0.0	11232.5	5478.1	668.6	1008.6	6,228
176+75	25	24.2	0.0	0.0	17.6	1.3	0.0	11250.1	5479.7	669.7	1008.6	6,243
177+00	25	14.7	3.8	0.0	18.0	1.7	0.0	11268.1	5481.9	670.7	1008.6	6,258
177+30	30	17.1	9.1	0.0	17.7	7.1	0.0	11285.8	5490.8	671.8	1008.6	6,266
177+50	20	19.1	8.2	0.0	13.4	6.4	0.0	11299.2	5498.8	672.6	1008.6	6,271
178+00	50	15.5	5.5	0.0	32.0	12.6	0.0	11331.2	5514.6	674.5	1008.6	6,286
178+50	50	12.2	1.6	0.0	25.7	6.5	0.0	11356.9	5522.7	676.0	1008.6	6,302
179+00	50	14.8	0.4	0.0	24.9	1.8	0.0	11381.8	5524.9	677.5	1008.6	6,324
179+30	30	14.1	0.0	0.0	16.0	0.2	0.0	11397.9	5525.2	678.4	1008.6	6,339
179+50	20	21.2	0.0	0.0	13.1	0.0	0.0	11410.9	5525.2	679.2	1008.6	6,351
180+00	50	9.0	6.9	0.0	27.9	6.4	0.0	11438.8	5533.2	680.9	1008.6	6,370
180+50	50	9.6	23.9	0.0	17.2	28.4	0.0	11456.1	5568.7	681.9	1008.6	6,350
181+00	50	19.0	1.8	0.0	26.6	23.7	0.0	11482.7	5598.4	683.5	1008.6	6,346
181+50	50	14.5	0.0	0.0	31.1	1.6	0.0	11513.7	5600.4	685.3	1008.6	6,374
181+76	26	14.5	0.0	0.0	14.0	0.0	0.0	11527.7	5600.4	686.2	1008.6	6,387
					11527.7	4480.3	1008.6					

NOTES:

1) EXCAVATION COMMON: EXCAVATION COMMON INCLUDES CUT, EBS, AND UNUSABLE PAVEMENT MATERIAL. EBS = 5% OF CUT
2) UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) STRUCTURE EXCAVATION IS FOR INFORMATION ONLY. STRUCTURE EXCAVATION IS INCIDENTAL TO BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH R-13-363"
5) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
6) MASS ORDINATE: MASS ORDINATE = CUT + STRUCTURE EXCAVATION - (FILL* FILL FACTOR)

B CHAIN		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)			
TEMPORARY WIDENING									
STATION	DISTANCE	EXCAVATION COMMON NOTE 1	FILL NOTE 3	EXCAVATION COMMON NOTE 1	FILL NOTE 3	EXCAVATION COMMON 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25 NOTE 4	MASS ORDINATE NOTE 5
10+00	---	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0
10+50	50	24.7	0.0	35.5	0.0	35.5	0.0	2.1	34
11+00	50	31.3	0.0	51.8	0.0	87.3	0.0	5.2	83
11+50	50	37.7	0.0	64.0	0.0	151.3	0.0	9.0	144
12+00	50	44.8	5.1	76.4	4.7	227.7	5.9	13.6	211
12+50	50	56.4	0.0	93.7	4.7	321.4	11.8	19.1	294
13+00	50	53.3	0.0	101.6	0.0	423.0	11.8	25.2	391
13+50	50	53.4	0.0	98.8	0.0	521.8	11.8	25.2	485
14+00	50	23.5	6.2	71.2	5.8	593.0	19.0	29.4	546
14+50	50	27.2	0.0	47.0	5.8	640.0	26.3	32.2	582
				640.0	21.0				

NOTES:

1) EXCAVATION COMMON: EXCAVATION COMMON INCLUDES CUT, EBS, AND UNUSABLE PAVEMENT MATERIAL. EBS = 5% OF CUT
2) UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
5) MASS ORDINATE: MASS ORDINATE = CUT + STRUCTURE EXCAVATION - (FILL* FILL FACTOR)

NS CHAIN		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)			
STATION	DISTANCE	EXCAVATION COMMON NOTE 1	FILL NOTE 3	EXCAVATION COMMON NOTE 1	FILL NOTE 3	EXCAVATION COMMON 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25 NOTE 4	MASS ORDINATE NOTE 5
10+25	---	701.2	0.0	0.0	0.0	0.0	0.0	0.0	0
10+50	25	868.3	0.0	733.9	0.0	733.9	0.0	43.7	699
11+00	50	766.9	0.0	1514.1	0.0	2248.0	0.0	133.8	2,141
11+50	50	634.5	0.4	1297.5	0.3	3545.5	0.4	211.0	3,376
12+00	50	202.6	25.2	775.0	23.6	4320.5	29.9	257.2	4,085
12+45	45	147.2	0.6	291.4	21.5	4611.9	56.8	274.5	4,336
12+49	4	147.2	0.6	20.5	0.1	4632.4	56.9	275.7	4,355
				4632.4	45.5				

NOTES:

1) EXCAVATION COMMON: EXCAVATION COMMON INCLUDES CUT, EBS, AND UNUSABLE PAVEMENT MATERIAL. EBS = 5% OF CUT
2) UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
5) MASS ORDINATE: MASS ORDINATE = CUT + STRUCTURE EXCAVATION - (FILL* FILL FACTOR)

USH 14		AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)			
U CHAIN						EXCAVATION		EXPANDED EBS	
STATION	DISTANCE	EXCAVATION COMMON NOTE 1	FILL NOTE 3	EXCAVATION COMMON NOTE 1	FILL NOTE 3	COMMON 1.00 NOTE 1	EXPANDED FILL 1.25	BACKFILL 1.25 NOTE 4	MASS ORDINATE NOTE 5
94+13	---	33.2	1.6	0.0	0.0	0.0	0.0	0.0	0
94+50	37	33.2	1.6	45.4	2.2	45.4	2.8	2.7	40
95+00	50	46.7	21.3	74.0	21.2	119.3	29.2	7.1	84
95+50	50	46.3	19.2	86.1	37.5	205.4	76.1	12.2	120
96+00	50	45.6	30.2	85.0	45.8	290.5	133.3	17.3	143
96+50	50	45.0	32.8	83.9	58.4	374.4	206.3	22.3	150
97+00	50	49.5	26.8	87.6	55.2	461.9	275.3	27.5	165
97+50	50	53.7	22.3	95.6	45.4	557.5	332.0	33.2	199
98+00	50	61.3	16.7	106.5	36.1	664.0	377.2	39.5	255
98+50	50	65.7	5.9	117.6	21.0	781.7	403.4	46.5	341
99+00	50	61.6	2.8	117.9	8.1	899.5	413.4	53.5	443
99+50	50	35.9	0.0	90.2	2.6	989.7	416.7	58.9	526
100+00	50	36.3	0.0	66.9	0.0	1056.6	416.7	62.9	590
100+50	50	64.8	0.0	93.6	0.0	1150.2	416.7	68.5	679
101+00	50	121.7	16.0	172.6	14.8	1322.8	435.2	78.7	825
101+50	50	79.1	15.8	185.9	29.4	1508.8	472.0	89.8	965
102+00	50	77.1	21.8	144.7	34.9	1653.4	515.6	98.4	1,059
102+50	50	63.8	12.3	130.4	31.6	1783.9	555.1	106.2	1,144
103+00	50	65.0	31.8	119.3	40.9	1903.1	606.2	113.3	1,206
103+50	50	60.1	36.9	115.9	63.6	2019.0	685.7	120.2	1,237
104+00	50	58.2	48.7	109.5	79.3	2128.5	784.8	126.7	1,242
104+50	50	56.7	47.6	106.3	89.1	2234.8	896.2	133.0	1,232
105+00	50	33.8	9.2	83.8	52.5	2318.6	961.8	138.0	1,246
105+50	50	52.7	1.6	80.2	10.0	2398.8	974.3	142.8	1,310
106+00	50	30.3	12.8	76.9	13.3	2475.7	991.0	147.4	1,367
106+50	50	29.7	17.2	55.6	27.8	2531.3	1025.7	150.7	1,385
107+00	50	29.6	20.6	55.0	35.0	2586.3	1069.4	153.9	1,394
107+50	50	14.3	11.6	40.7	29.8	2627.0	1106.6	156.4	1,395
108+00	50	17.3	0.0	29.3	10.8	2656.3	1120.1	158.1	1,410
108+26	26	17.3	0.0	16.3	0.0	2672.6	1120.1	159.1	1,425
				2672.6	896.0				

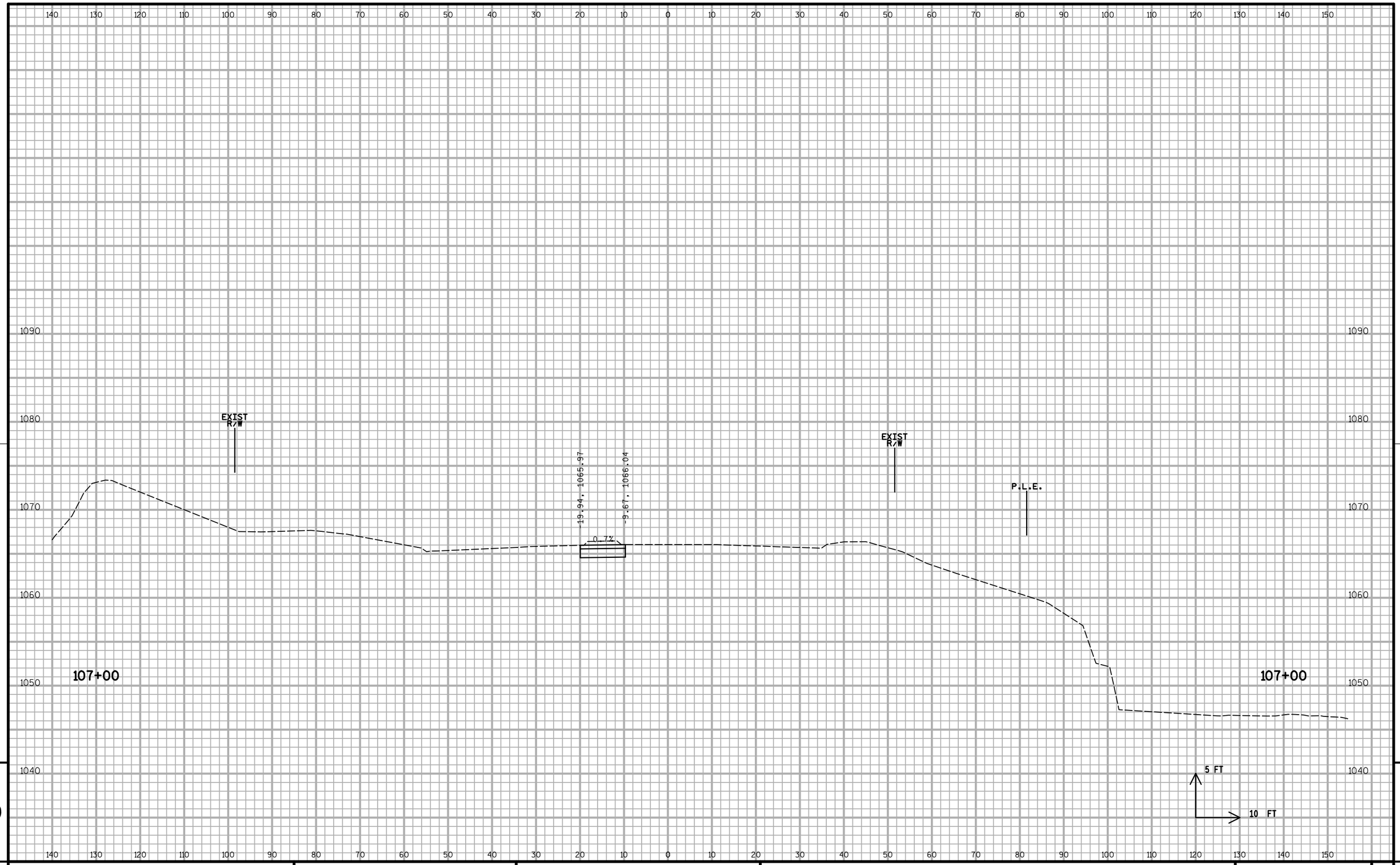
NOTES:

1) EXCAVATION COMMON: EXCAVATION COMMON INCLUDES CUT, EBS, AND UNUSABLE PAVEMENT MATERIAL. EBS = 5% OF CUT
2) UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
5) MASS ORDINATE: MASS ORDINATE = CUT + STRUCTURE EXCAVATION - (FILL* FILL FACTOR)

PLEASANT VIEW ROAD		AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)				
NB CHAIN		EXCAVATION COMMON	FILL	STRUCTURE EXCAVATION	EXCAVATION COMMON	FILL	STRUCTURE EXCAVATION	EXCAVATION COMMON 1.00	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25	STRUCTURE EXCAVATION 1.00	MASS ORDINATE
STATION	DISTANCE	NOTE 1	NOTE 3	NOTE 4	NOTE 1	NOTE 3	NOTE 4	NOTE 1		NOTE 4	NOTE 4	NOTE 5
178+00	---	29.8	301.1	26.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
178+50	50	14.6	371.5	27.1	41.1	622.8	49.9	41.1	778.5	2.4	49.9	-689
178+91	41	9.9	365.2	30.5	18.5	559.4	43.7	59.6	1477.7	3.5	93.6	-1,327
179+00	9	17.8	356.0	30.6	4.6	120.2	10.2	64.2	1627.9	3.8	103.8	-1,463
179+50	50	22.2	344.7	30.6	37.1	648.8	56.6	101.3	2438.9	6.0	160.4	-2,182
180+00	50	14.2	354.8	29.0	33.7	647.6	55.2	135.0	3248.4	8.0	215.6	-2,904
180+50	50	11.6	198.4	26.8	23.9	512.2	51.7	159.0	3888.6	9.5	267.3	-3,470
181+00	50	90.8	71.4	29.0	94.9	249.8	51.6	253.8	4200.8	15.1	318.9	-3,640
181+50	50	204.6	49.9	0.0	273.5	112.2	26.8	527.4	4341.1	31.4	345.8	-3,493
182+00	50	283.5	0.0	0.0	451.9	46.2	0.0	979.3	4398.8	58.3	345.8	-3,120
182+12	12	283.5	0.0	0.0	130.0	0.0	0.0	1109.3	4398.8	66.0	345.8	-2,997
183+10	---	100.5	0.0	0.0	0.0	0.0	0.0	1109.3	4398.8	66.0	345.8	-2,997
183+50	40	104.2	0.0	0.0	151.4	0.0	0.0	1260.7	4398.8	75.0	345.8	-2,852
184+00	50	87.1	0.0	0.0	177.2	0.0	0.0	1437.8	4398.8	85.6	345.8	-2,684
184+50	50	75.4	0.0	0.0	150.5	0.0	0.0	1588.3	4398.8	94.5	345.8	-2,540
185+00	50	52.7	0.0	0.0	118.7	0.0	0.0	1707.0	4398.8	101.6	345.8	-2,427
185+50	50	122.9	0.3	0.0	162.6	0.3	0.0	1869.6	4399.1	111.3	345.8	-2,273
					1869.6	3519.3	345.8					

NOTES:

1) EXCAVATION COMMON: EXCAVATION COMMON INCLUDES CUT, EBS, AND UNUSABLE PAVEMENT MATERIAL. EBS = 5% OF CUT
2) UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
4) STRUCTURE EXCAVATION IS FOR INFORMATION ONLY. STRUCTURE EXCAVATION IS INCIDENTAL TO BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-369"
5) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
6) MASS ORDINATE: MASS ORDINATE = CUT + STRUCTURE EXCAVATION - (FILL* FILL FACTOR)



9

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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

1080 1070 1060 1050 1040

EXIST R/W

-20.33, 1063.62

-10.34, 1063.78

1.6 %

EXIST R/W

P.L.E.

107+50

107+50

5 FT

10 FT

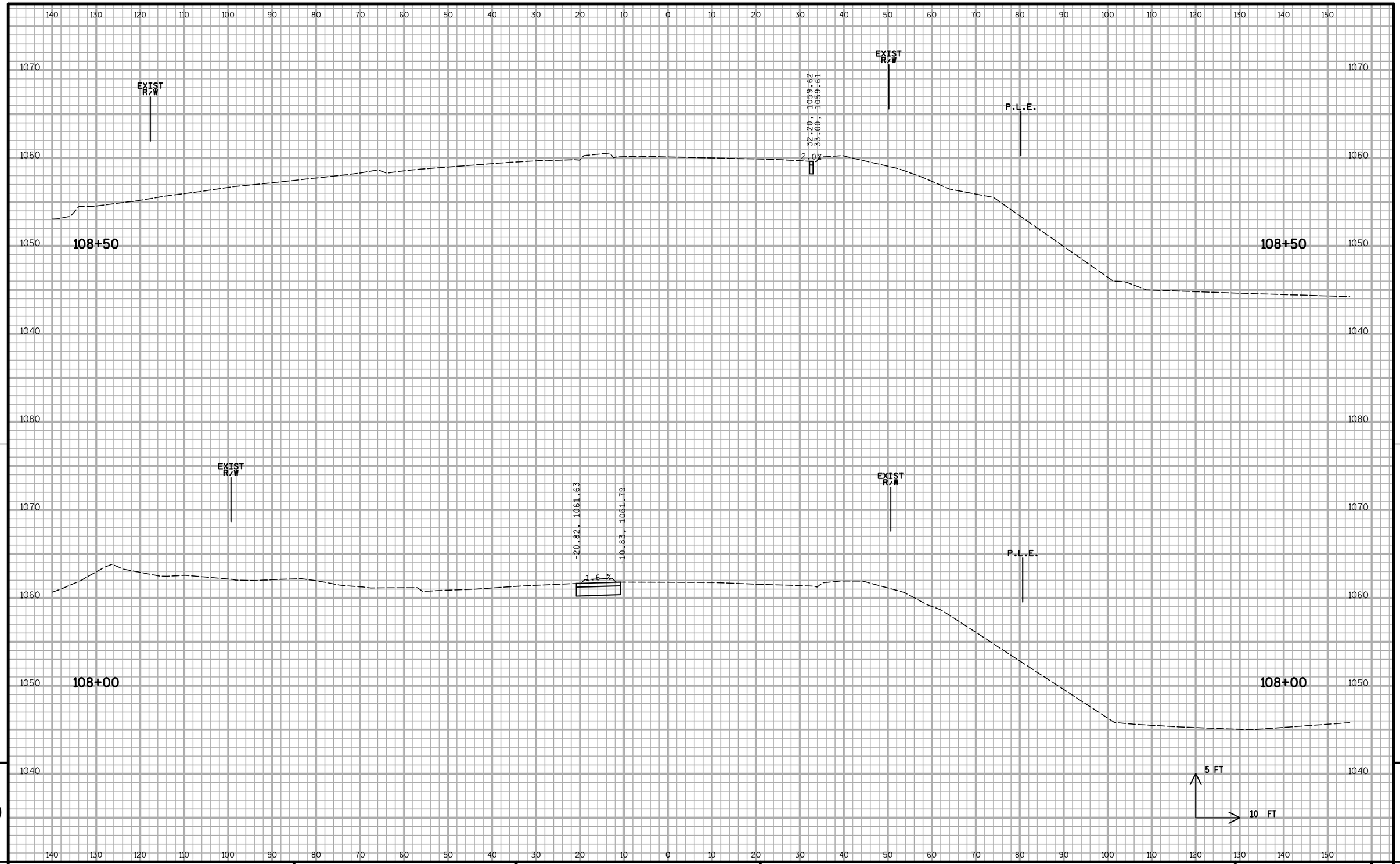
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 830	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

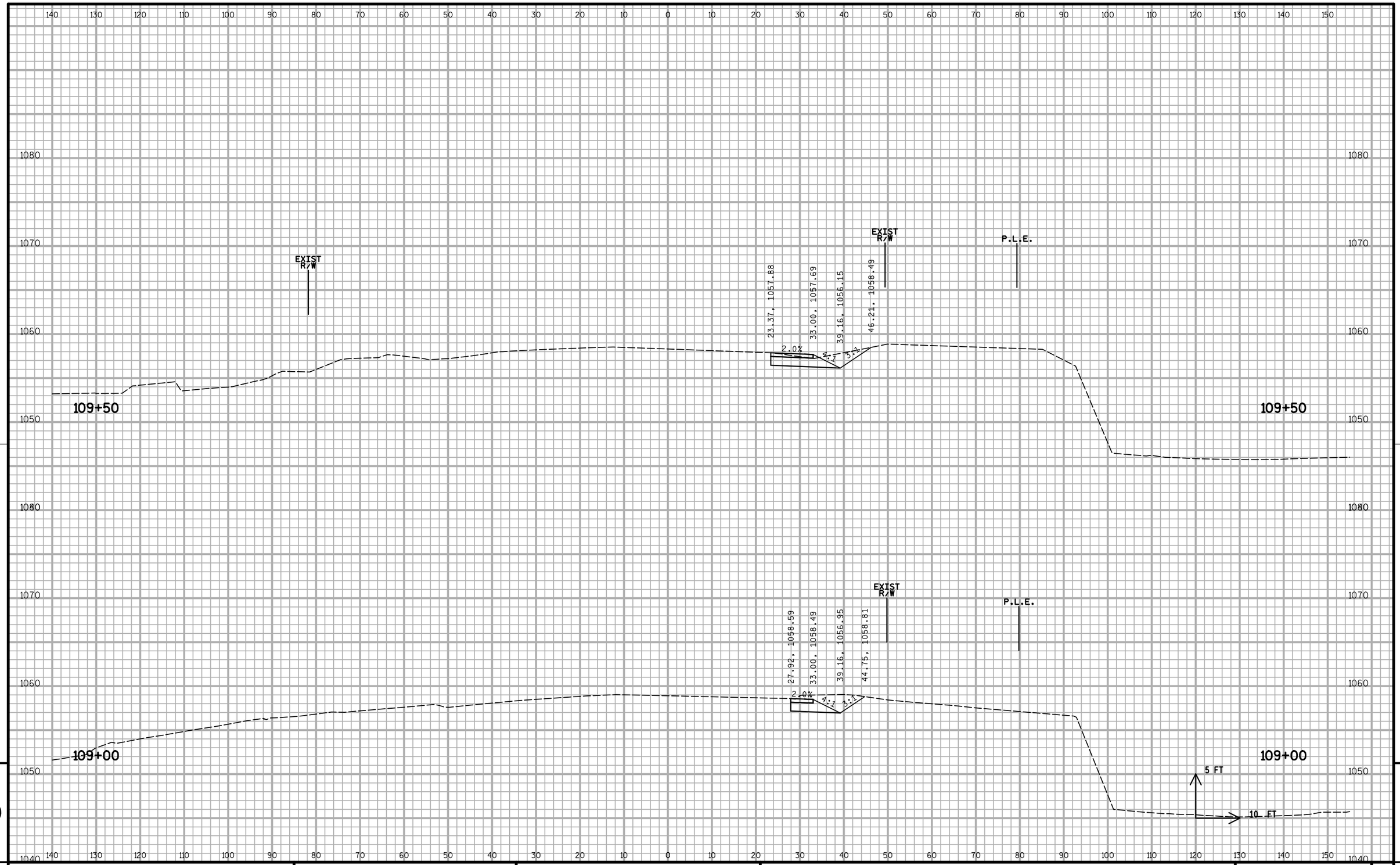
WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 831	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

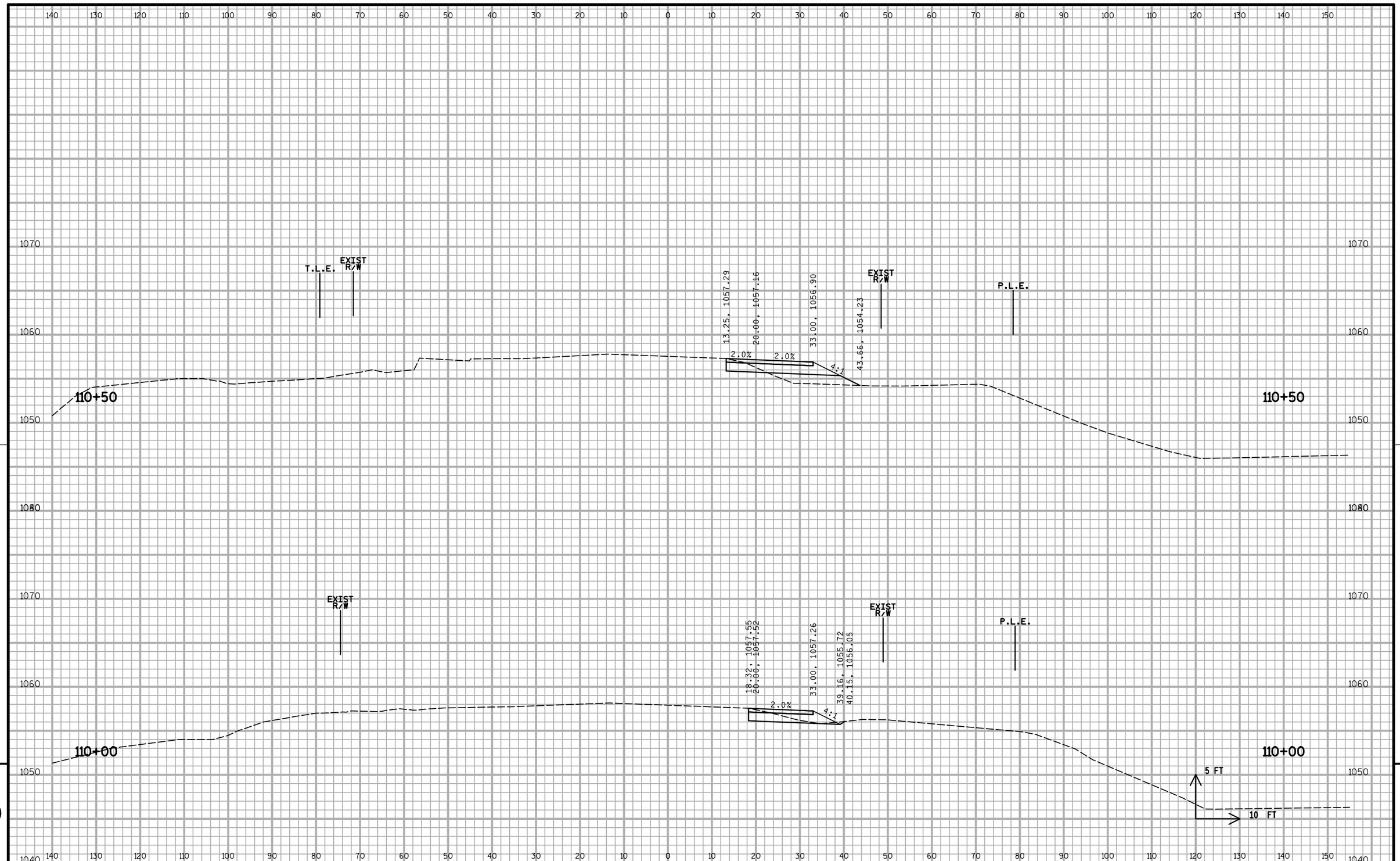
WISDOT/CADDS SHEET 21



9

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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 832	E

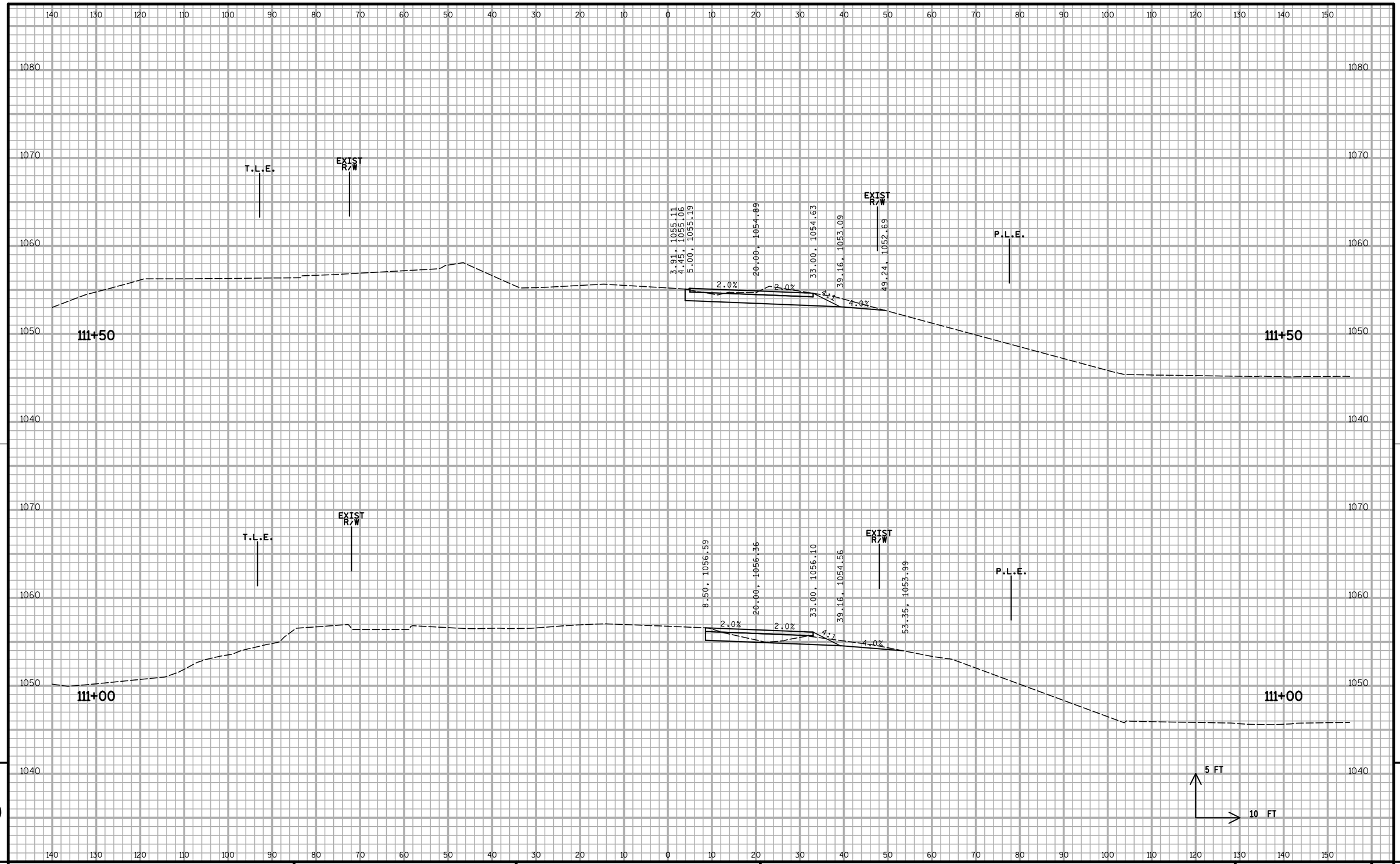


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 833	E

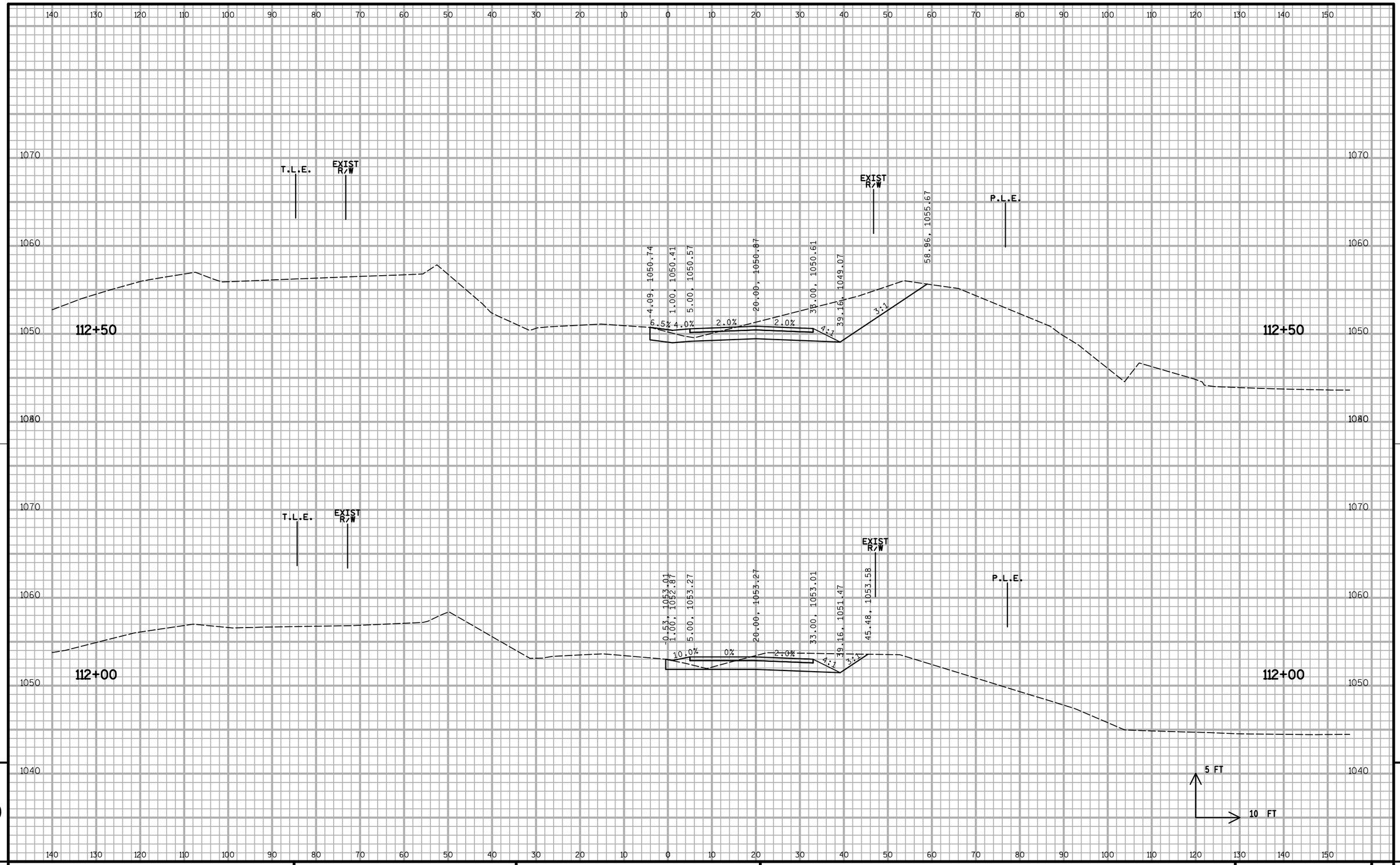
FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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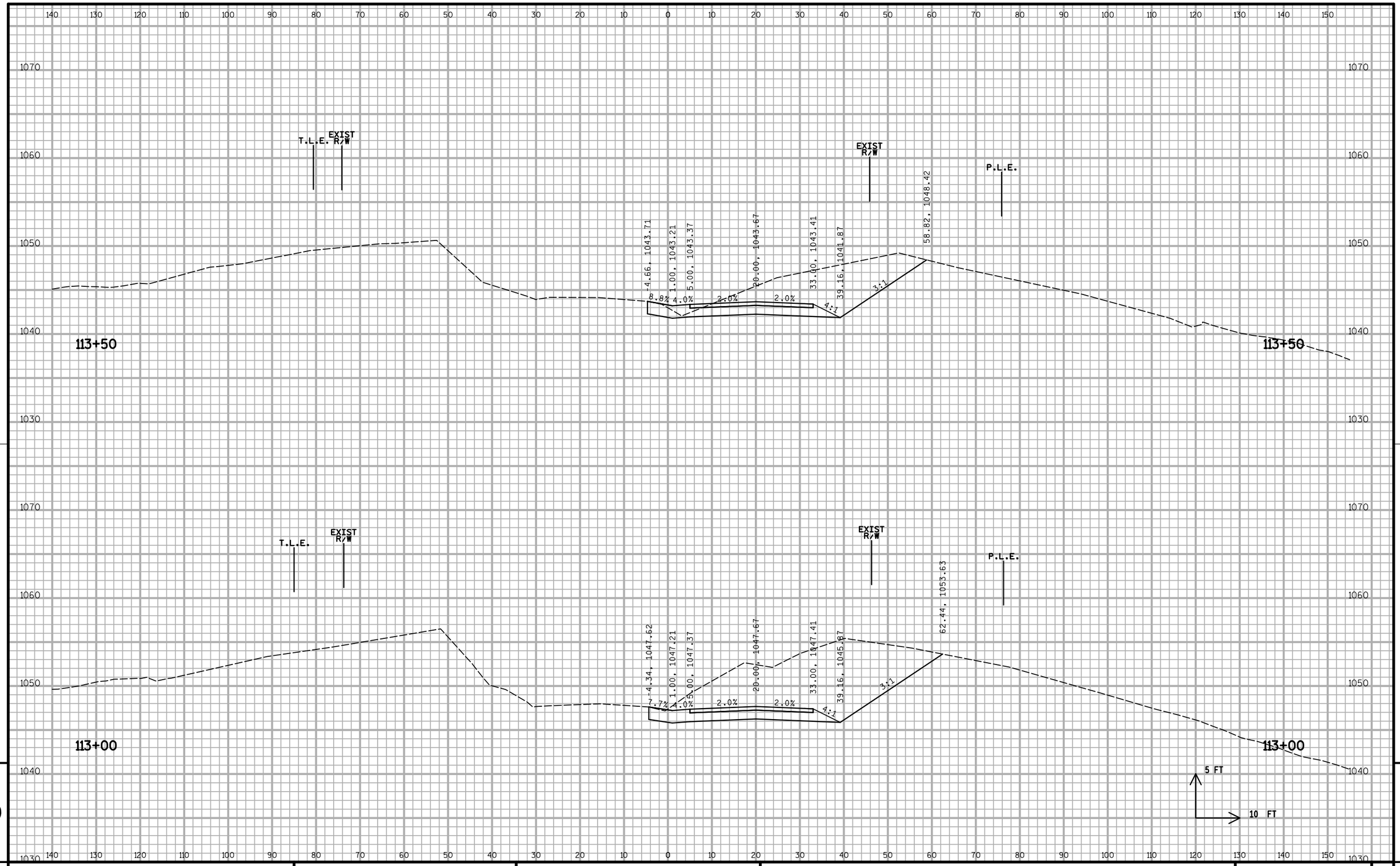
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 834	E



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 835	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

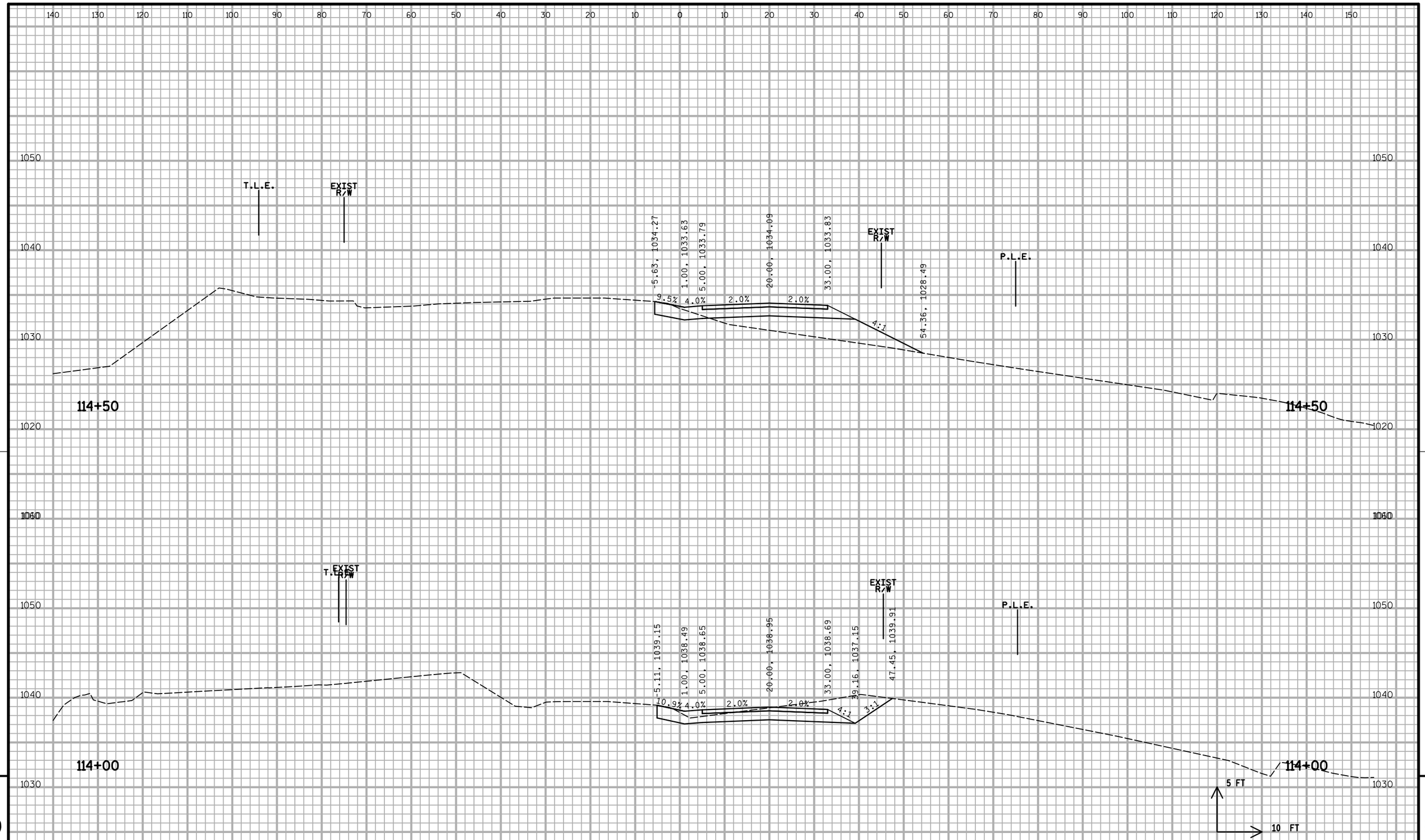


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 836	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



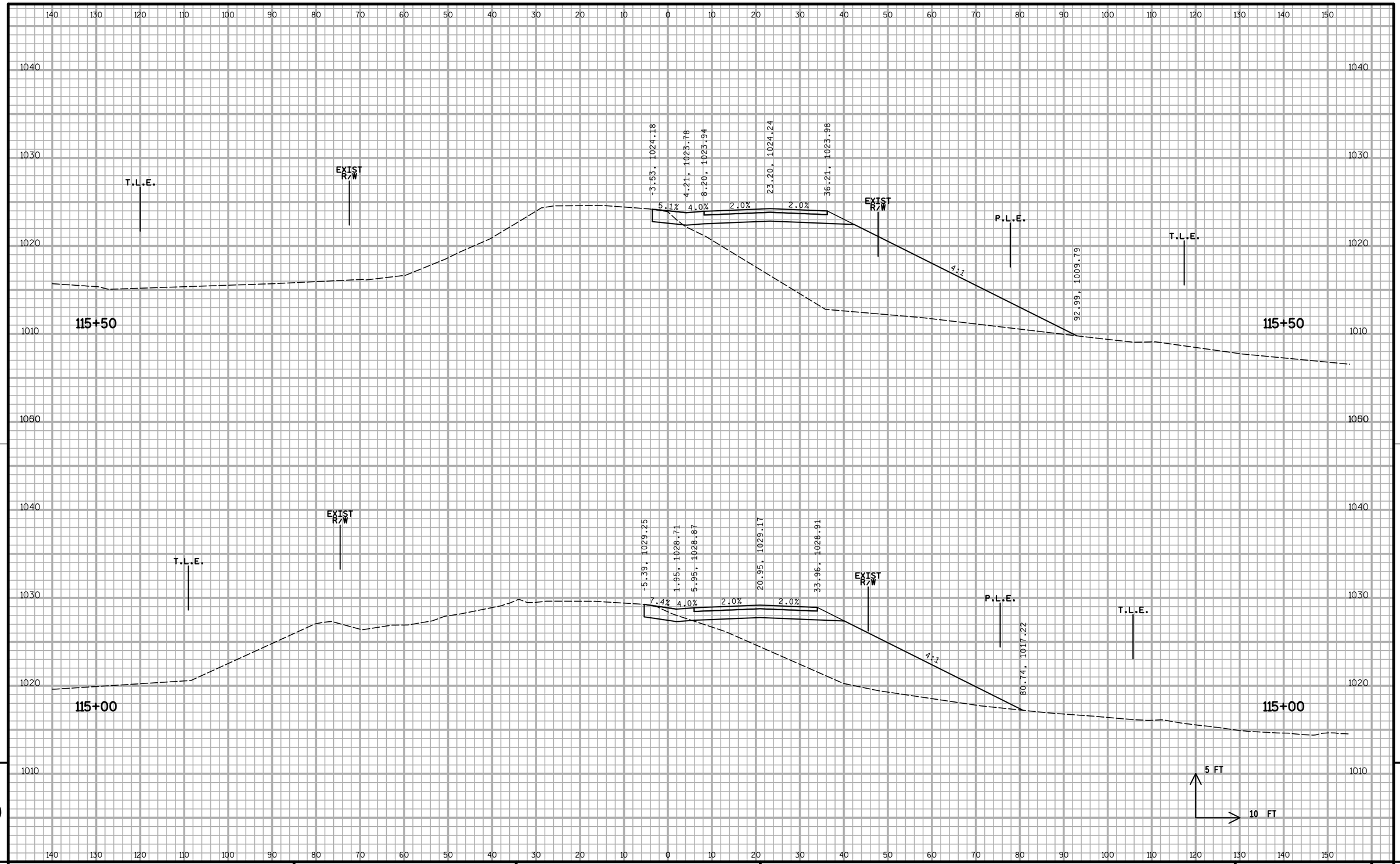
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 837	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



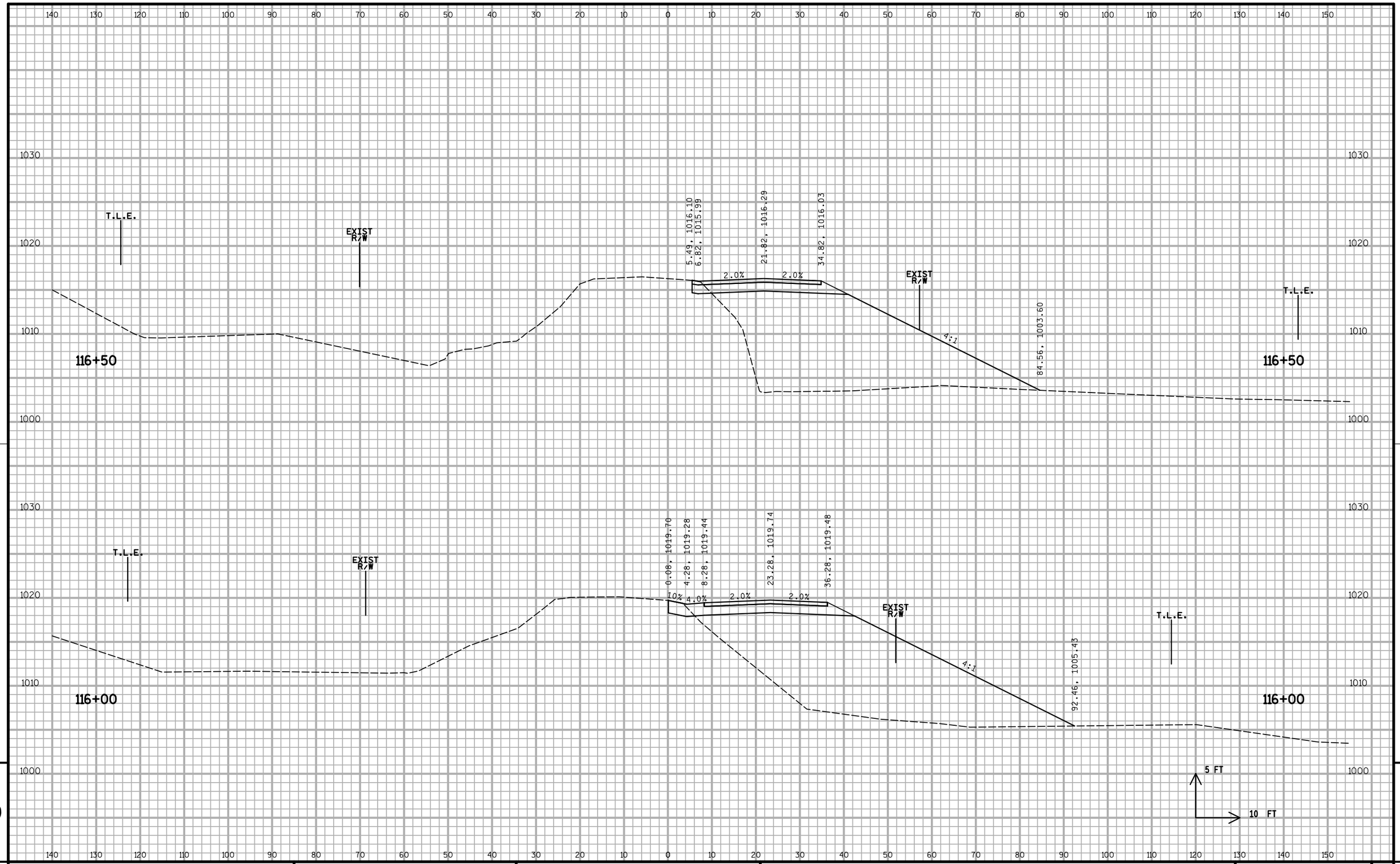
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 838	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

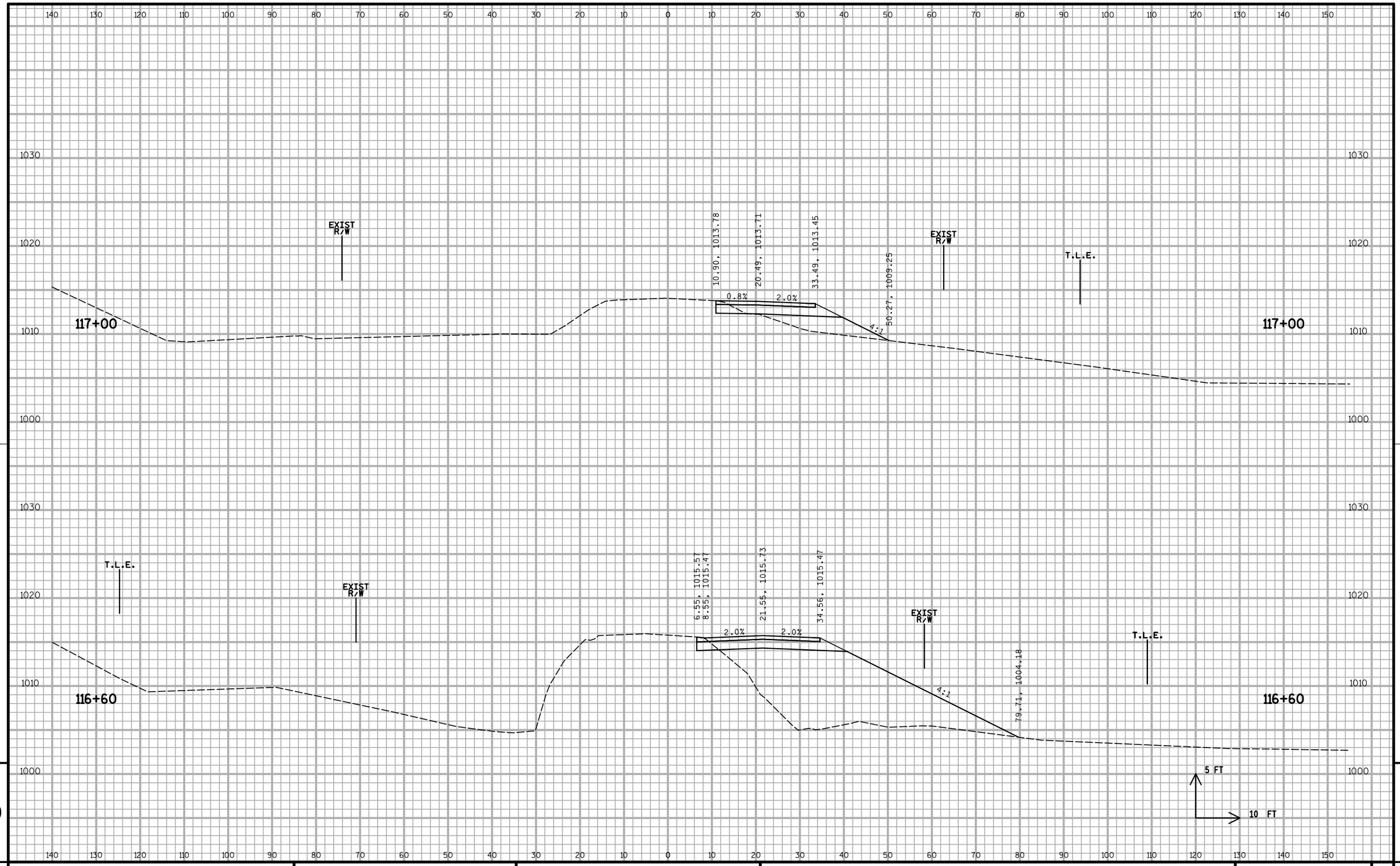


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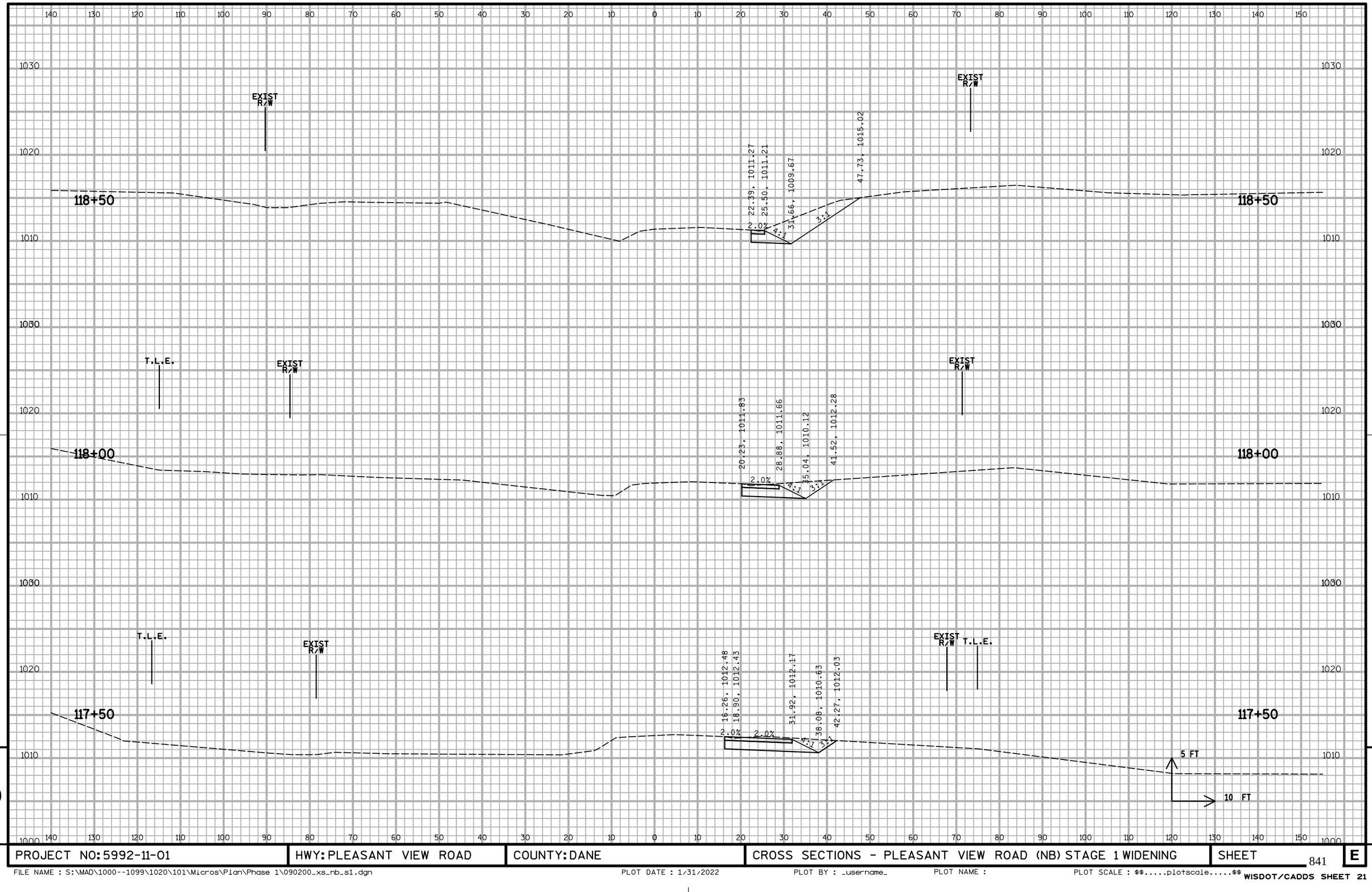
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 839	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 840	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

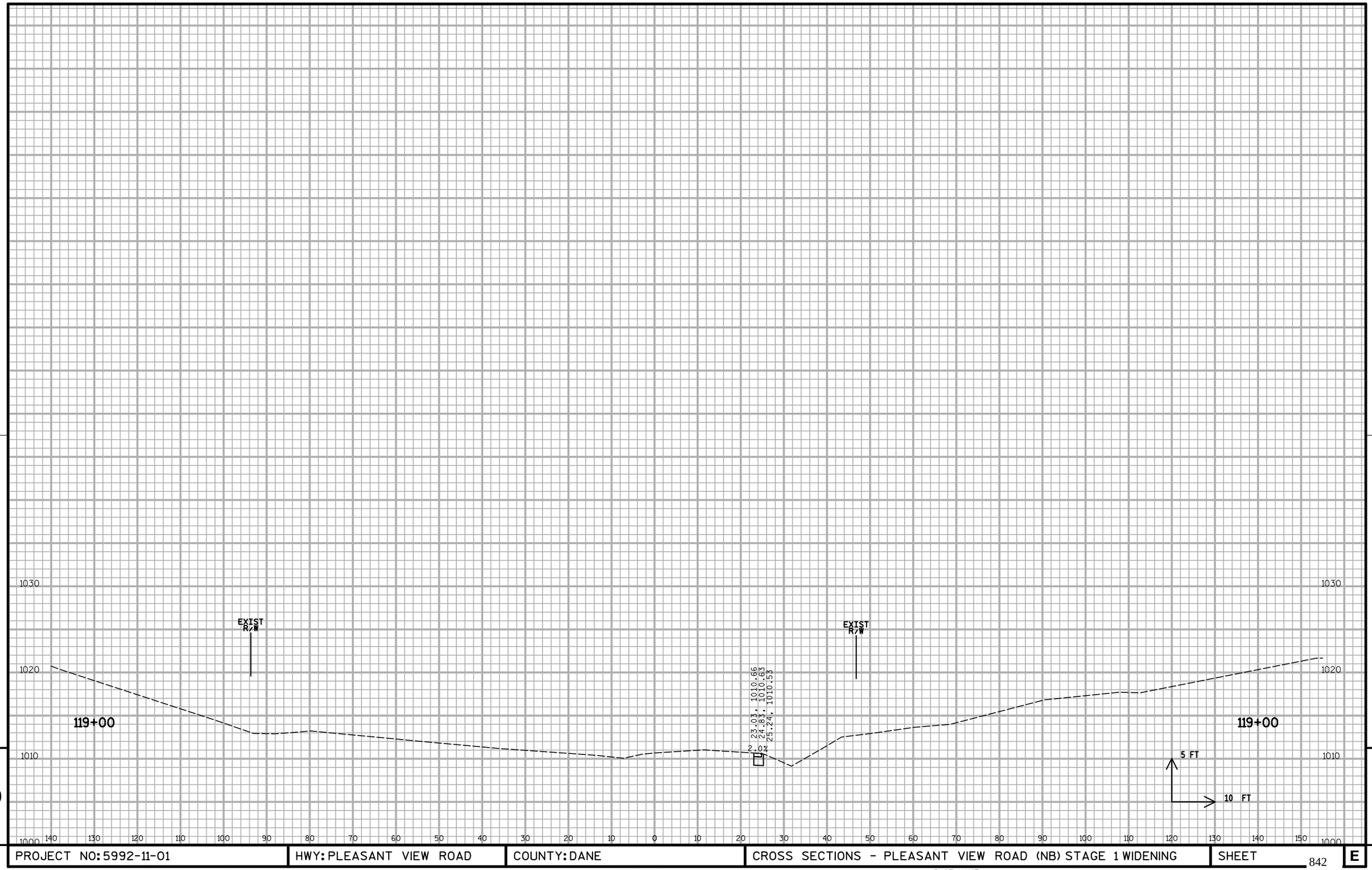


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 841	E

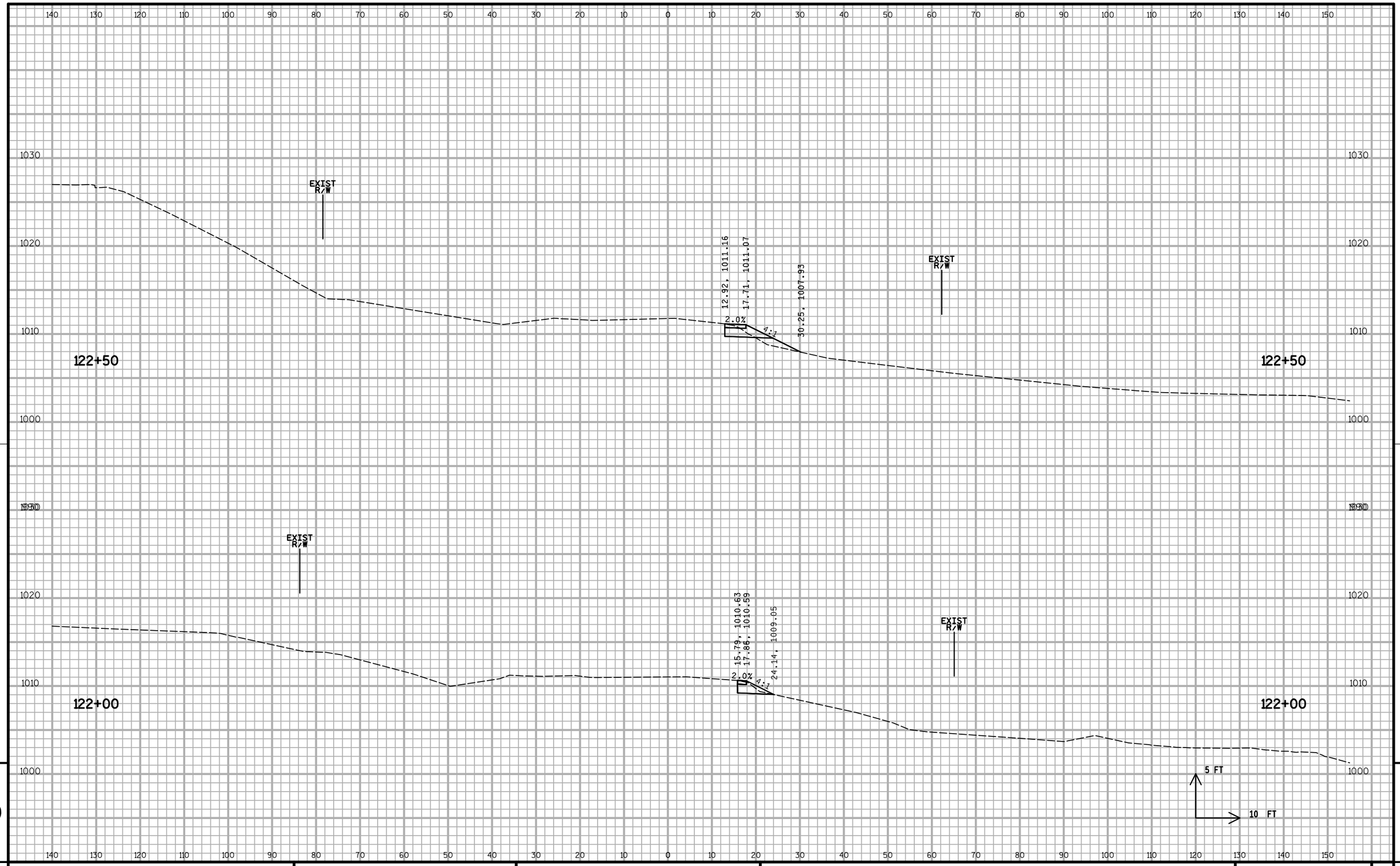
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9

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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 842	E

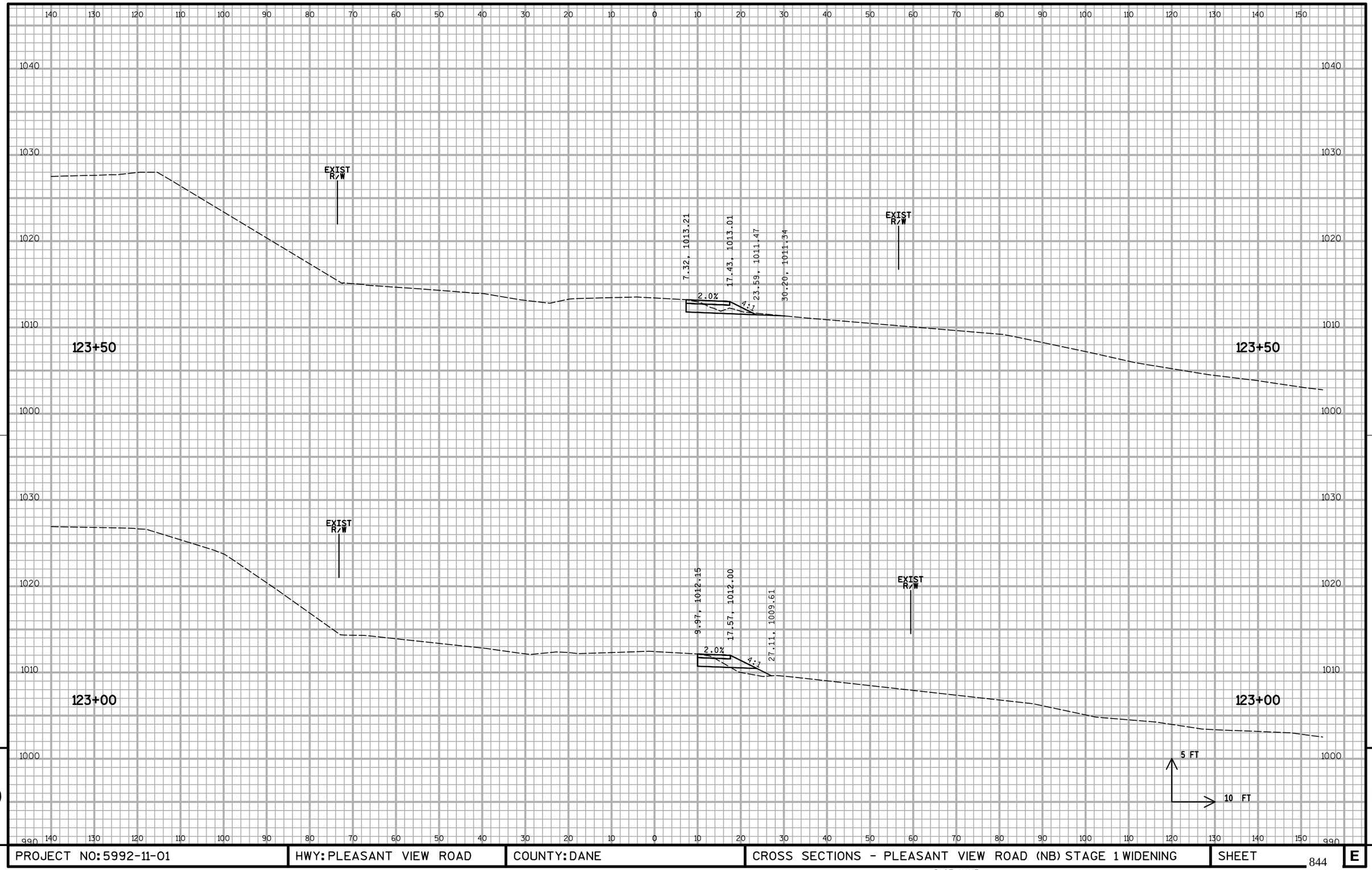


9

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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 843	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

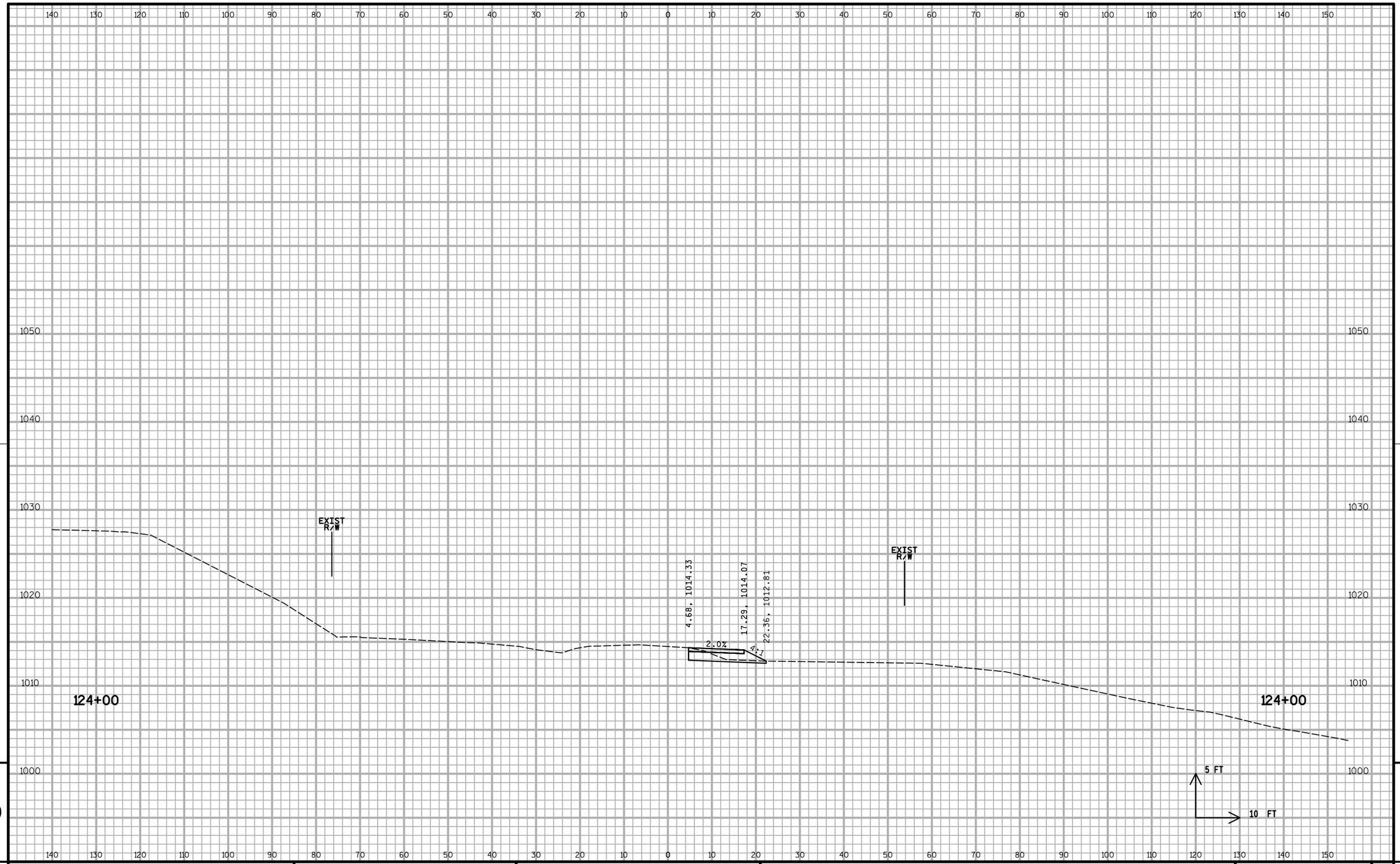


9

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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 844	E

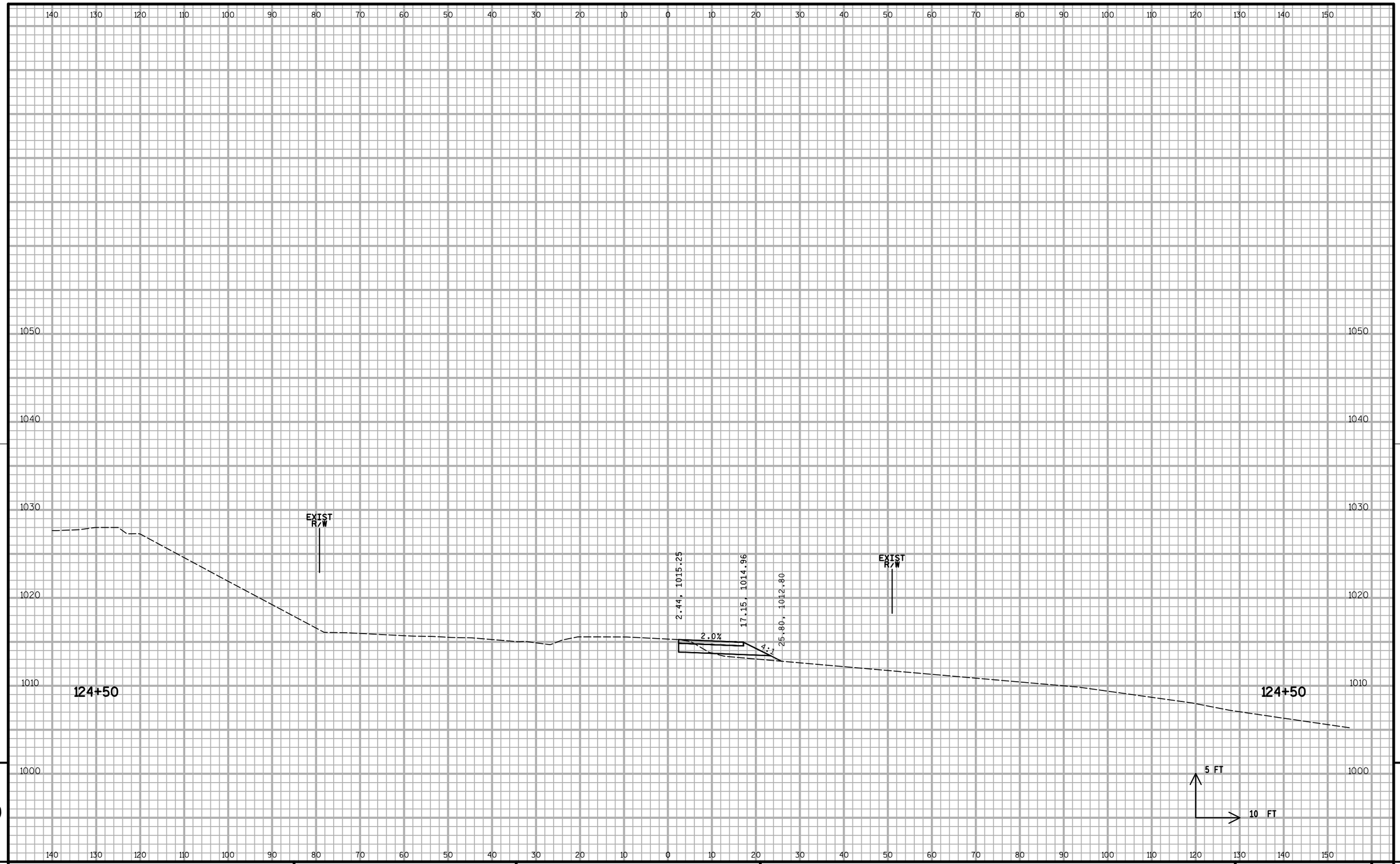
FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



9

9

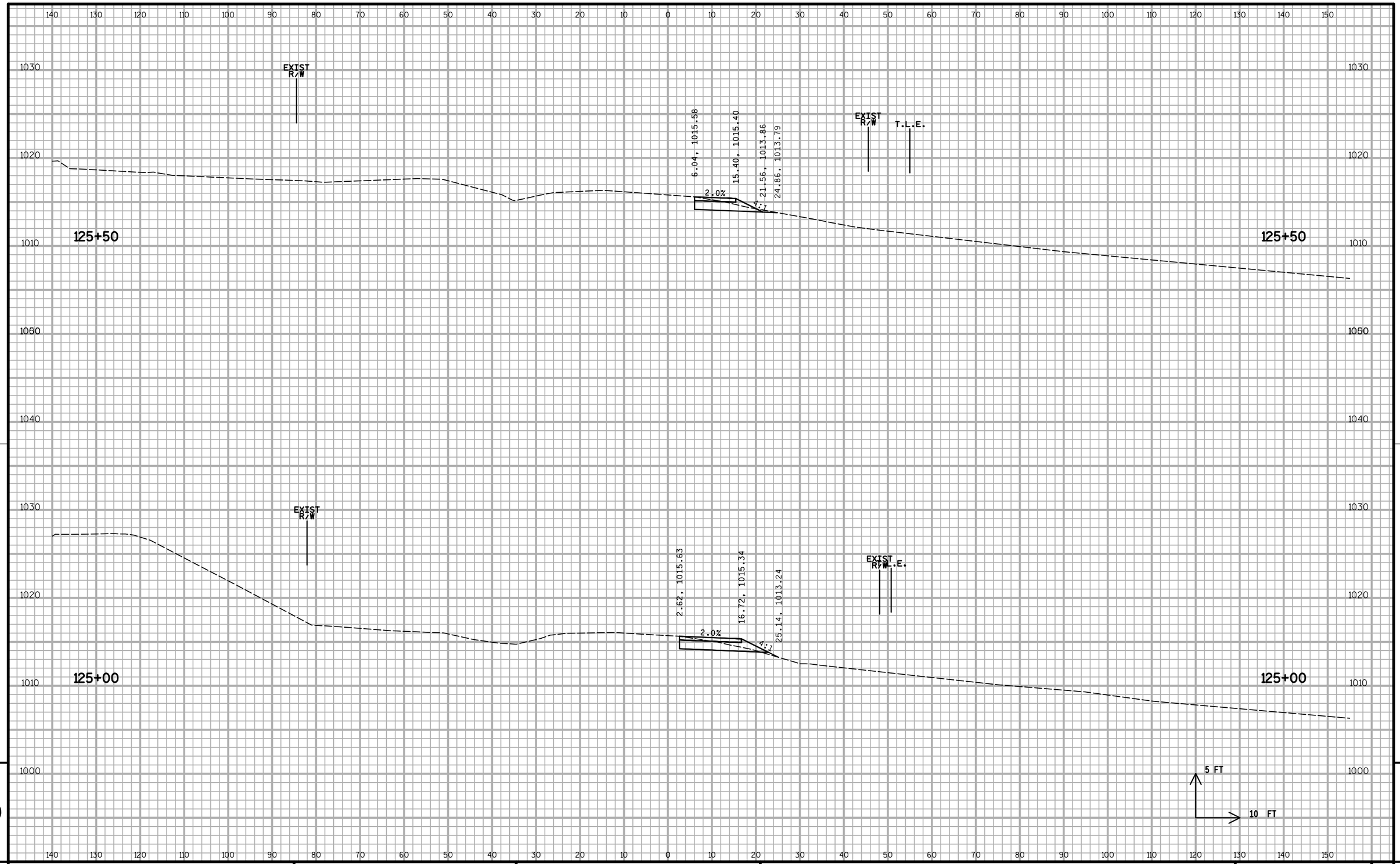
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 845	E



9

9

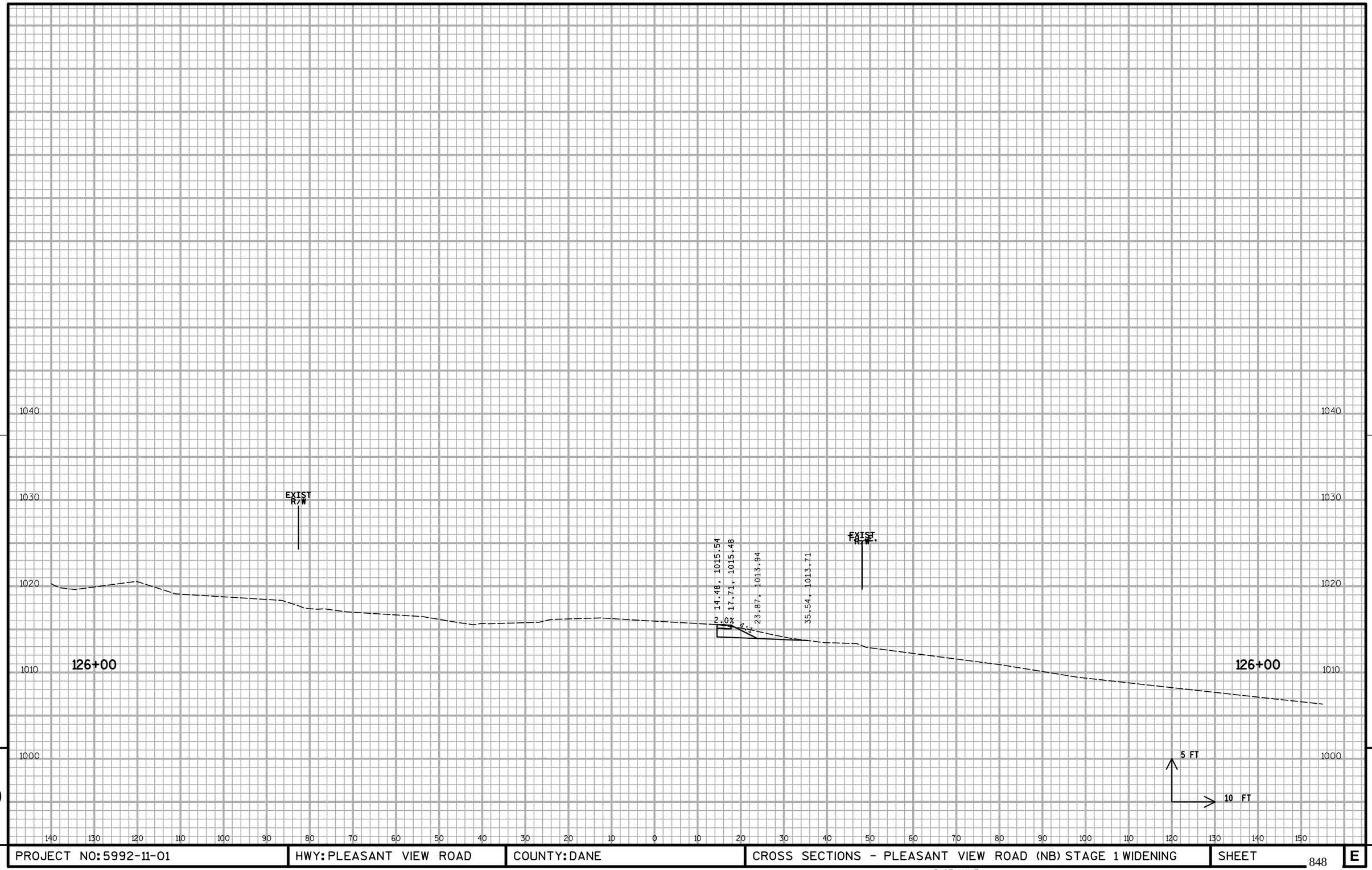
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 846	E



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 847	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

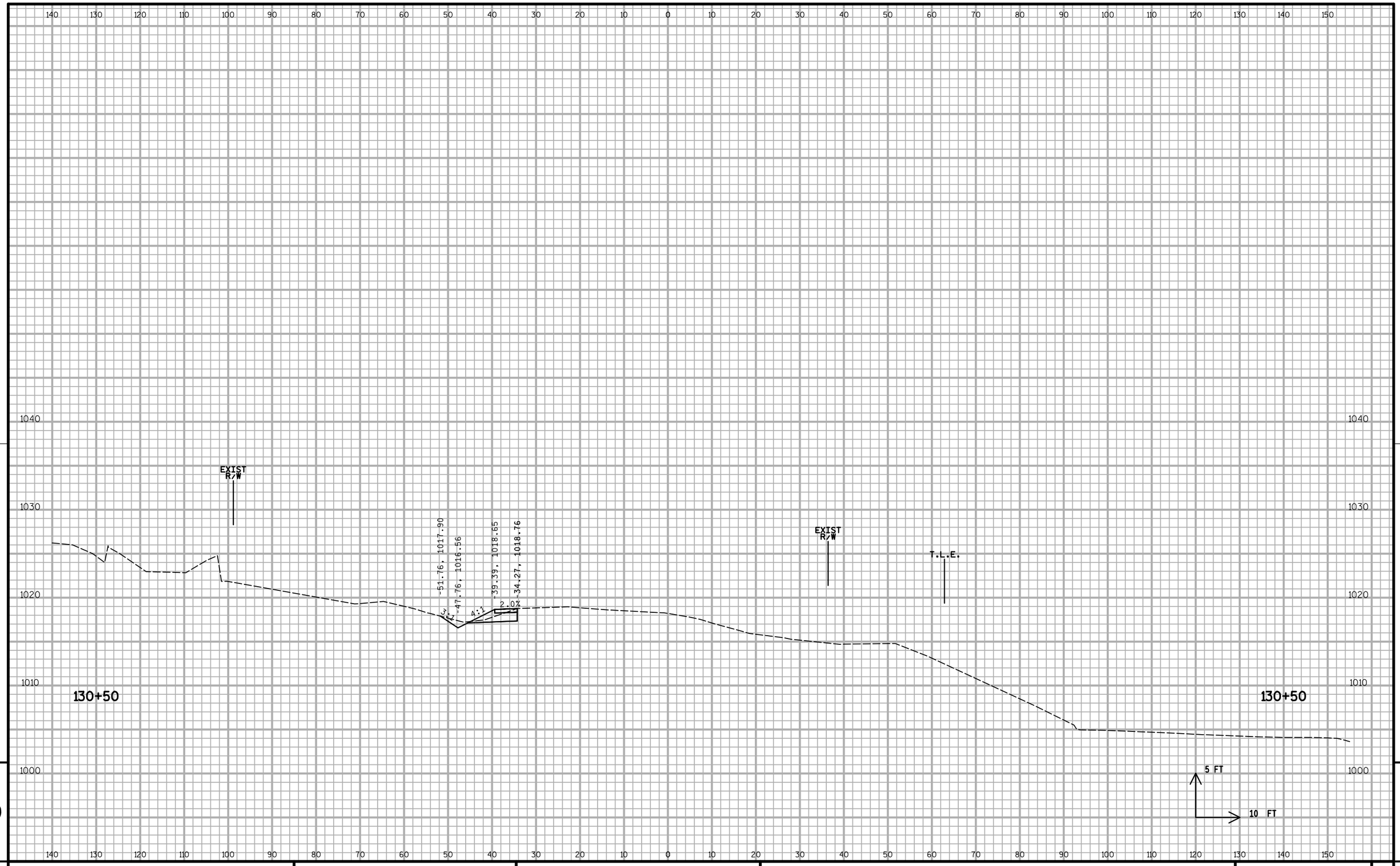
WISDOT/CADDS SHEET 21



9 9

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 848	E

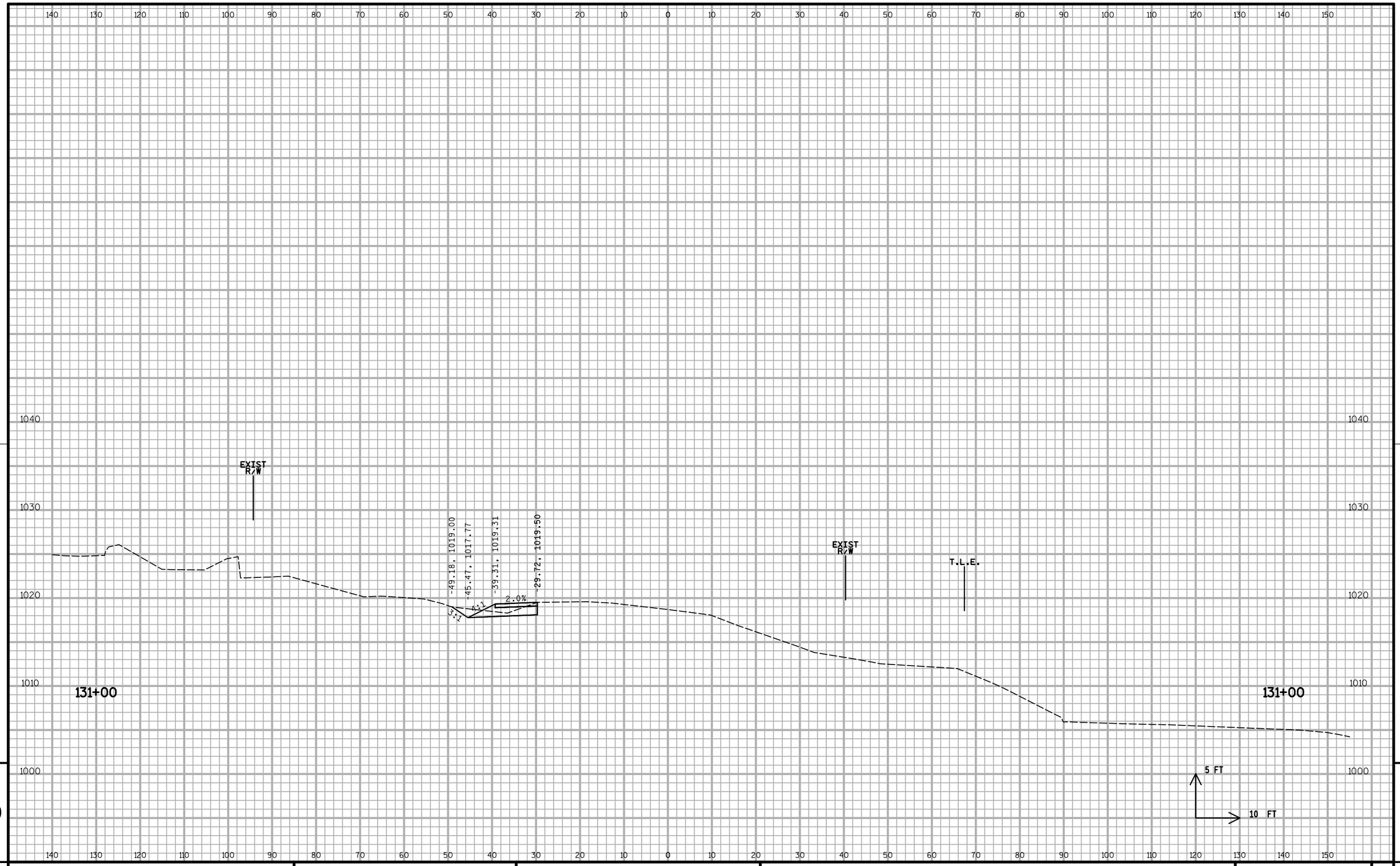
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9

9

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 849	E



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 850	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

1040

EXIST R/W

1030

-61.06, 1021.86

-48.86, 1017.79

-39.91, 1020.03

-27.69, 1020.28

3:1

4:1

2.0%

EXIST R/W

T.L.E.

1020

131+50

131+50

1010

1000

5 FT

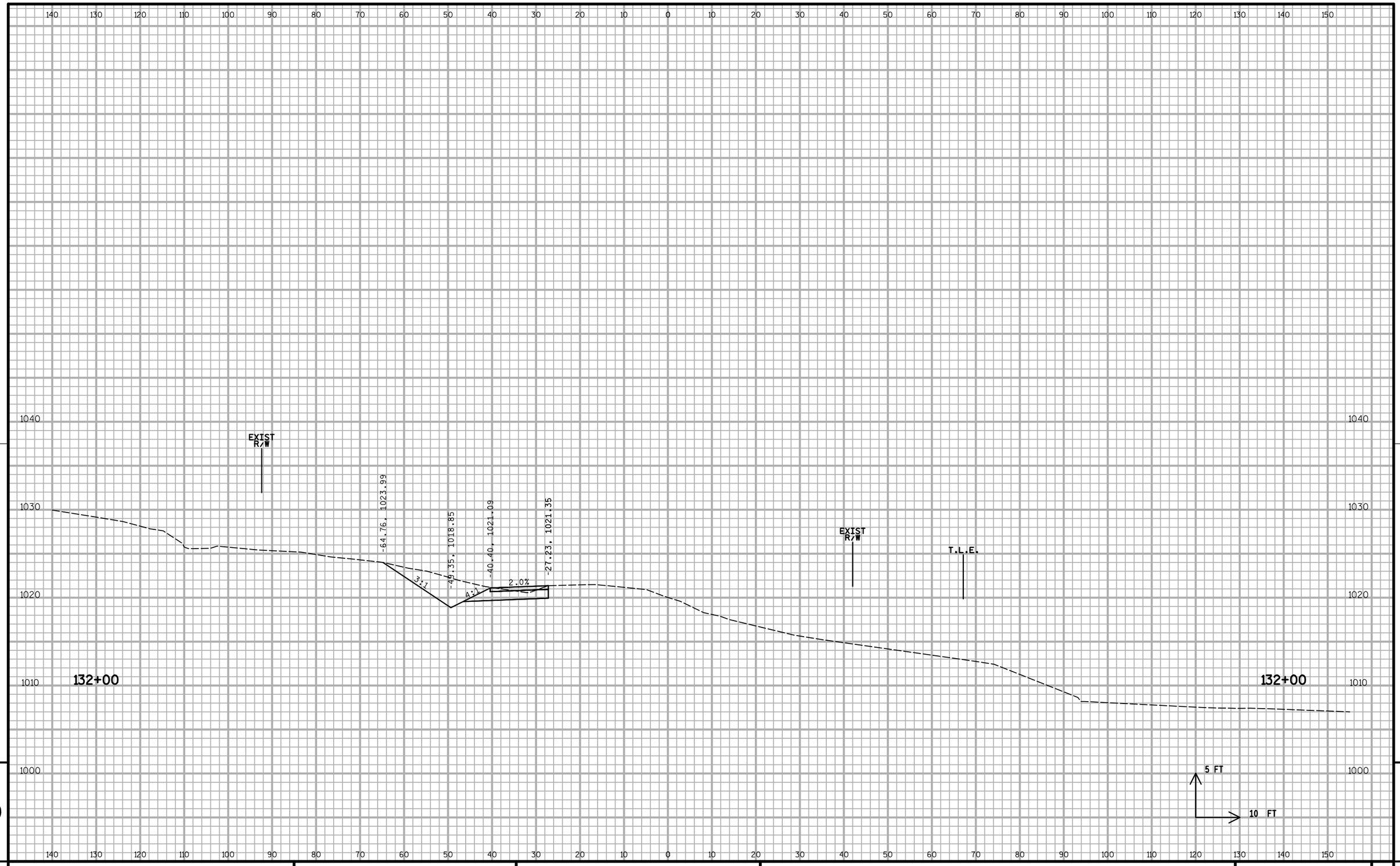
10 FT

9

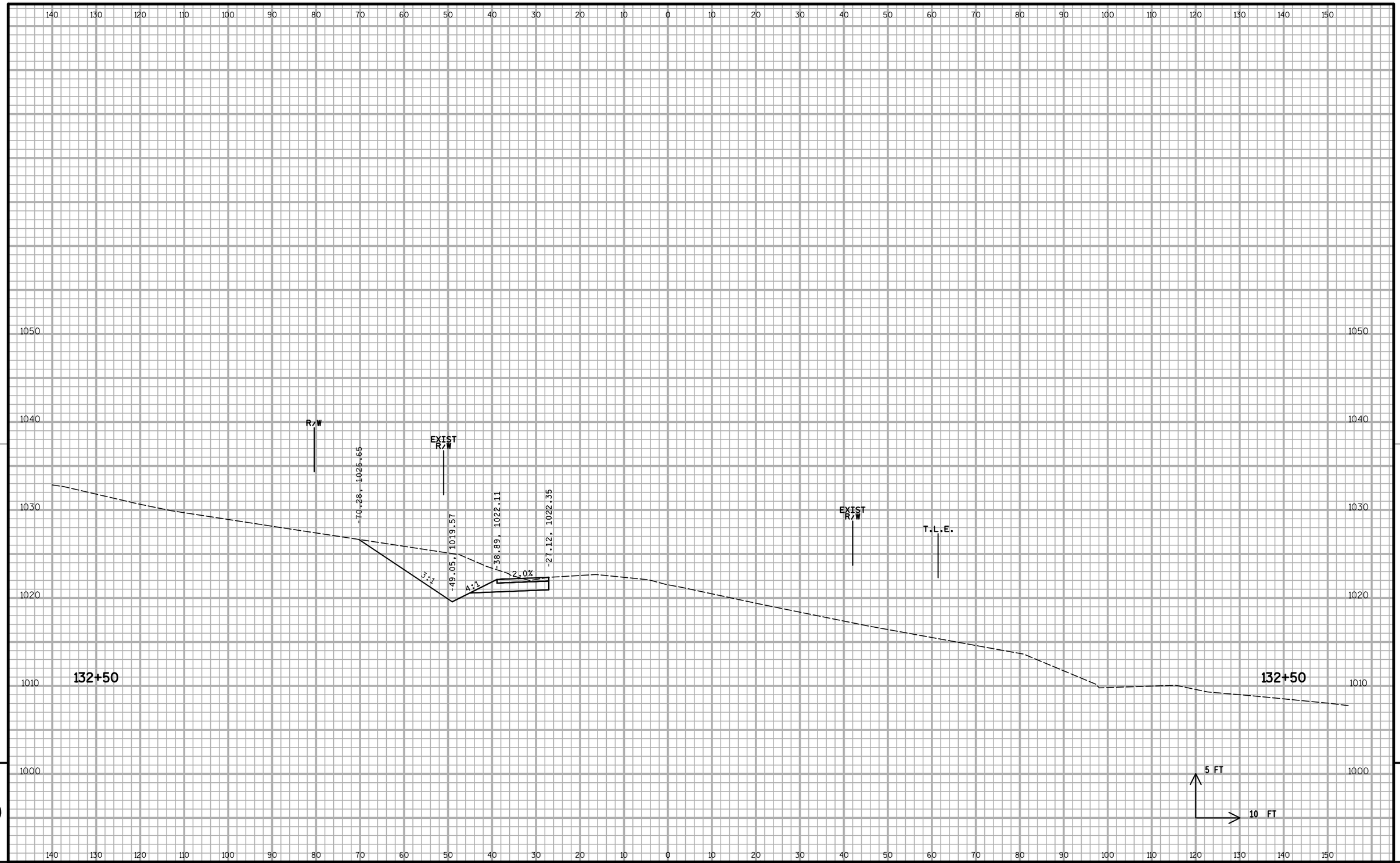
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 851	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 852	E



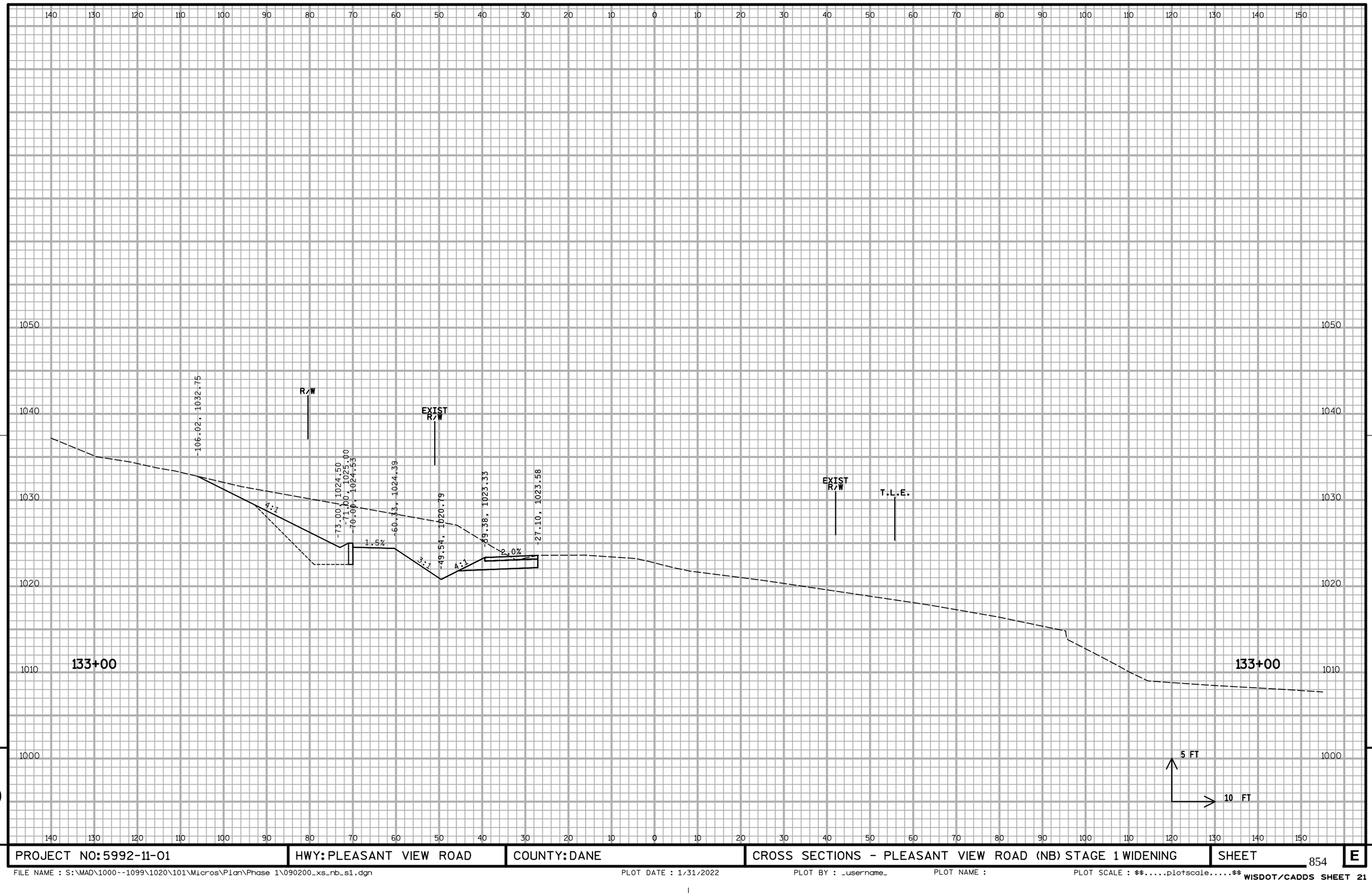
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 853	E

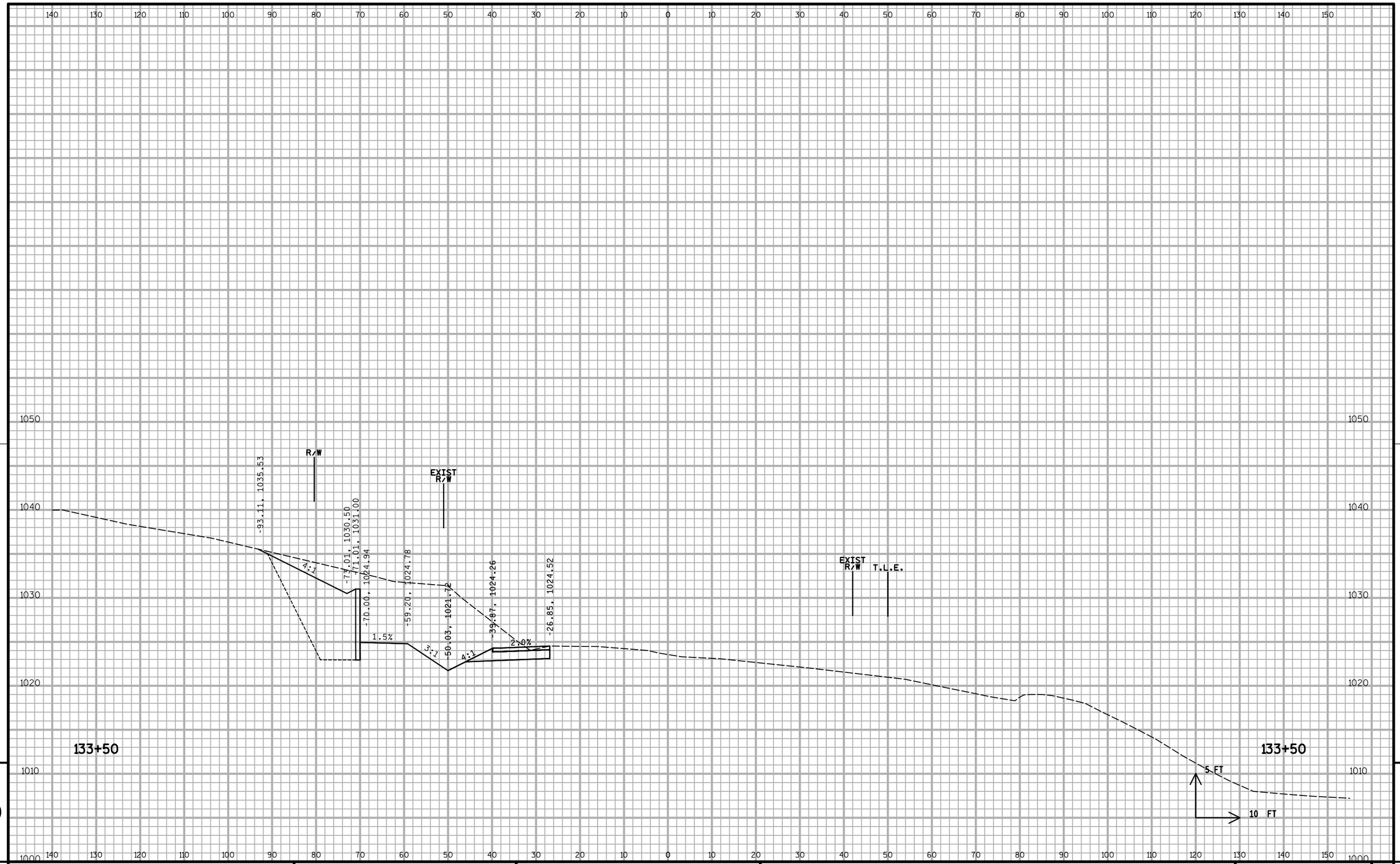
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WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 854	E

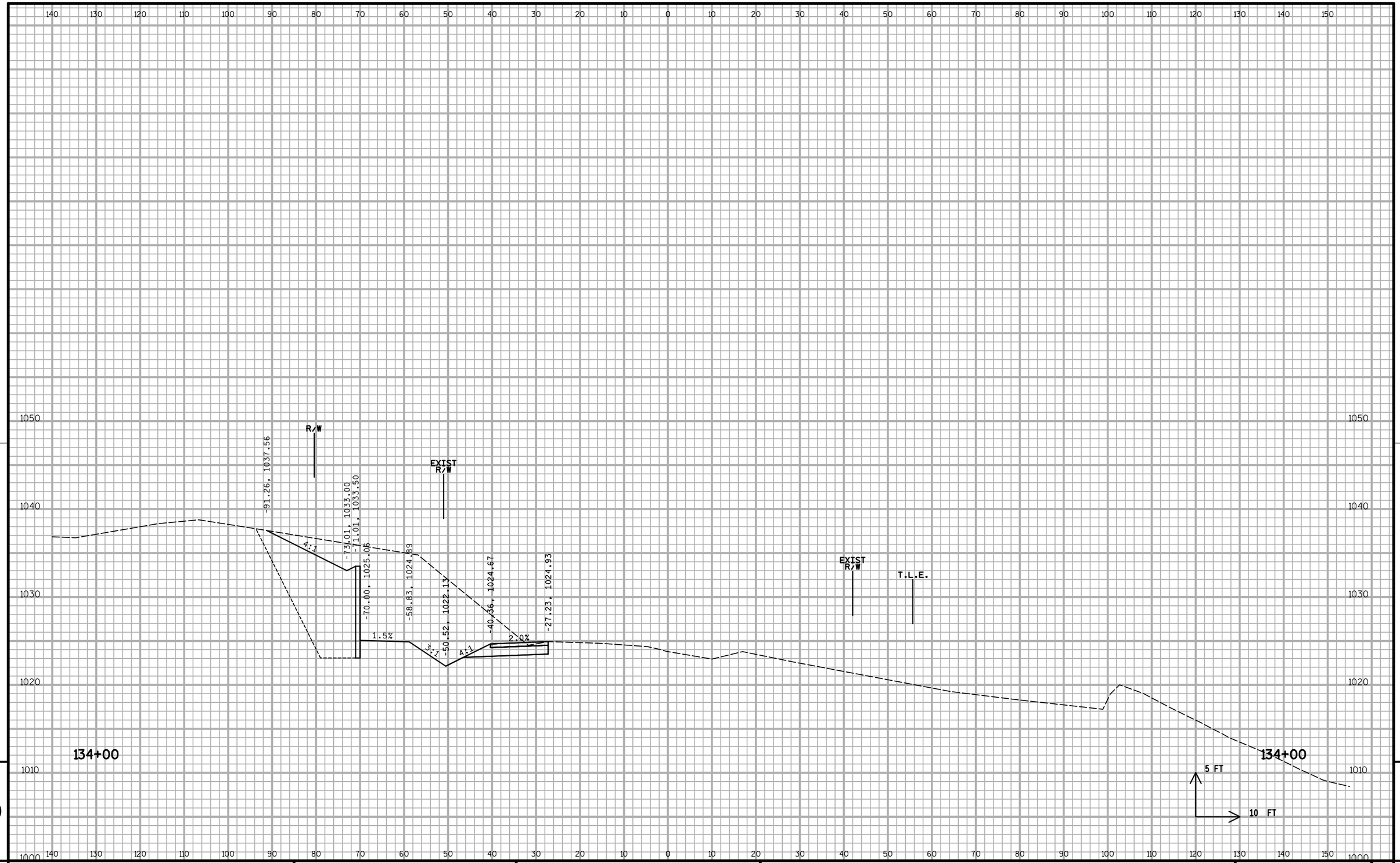
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 855	E

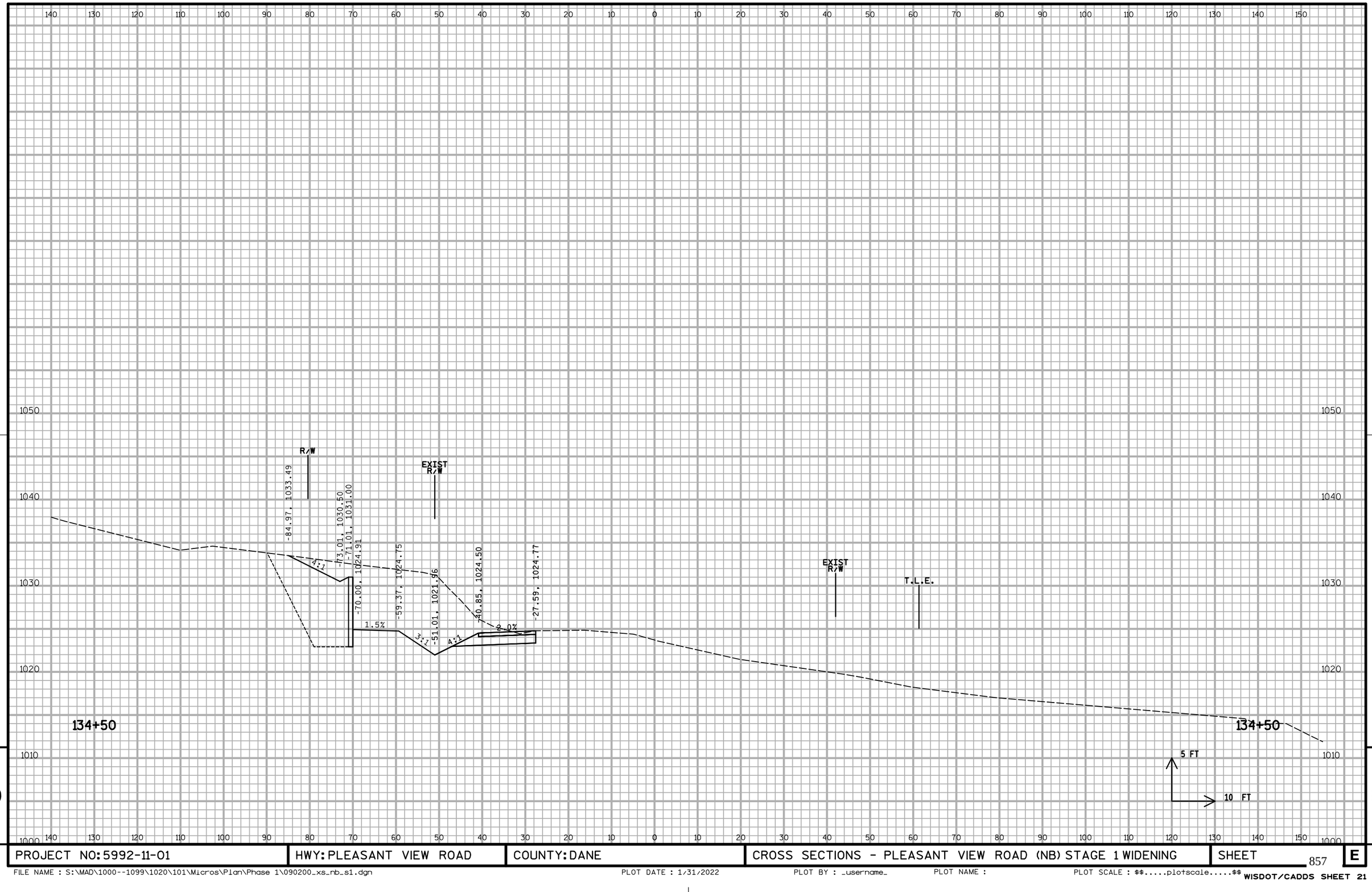


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 856	E

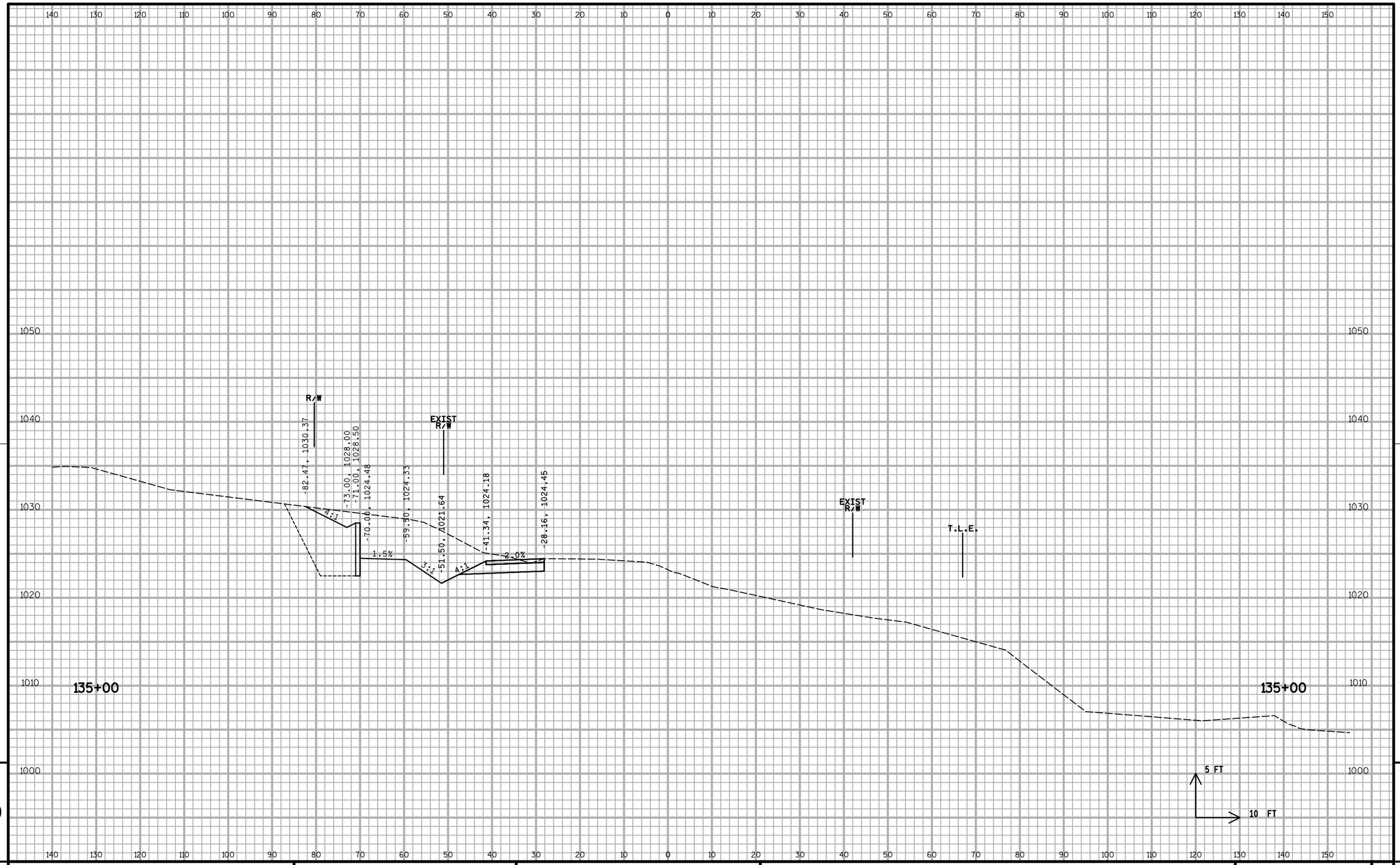
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 857	E

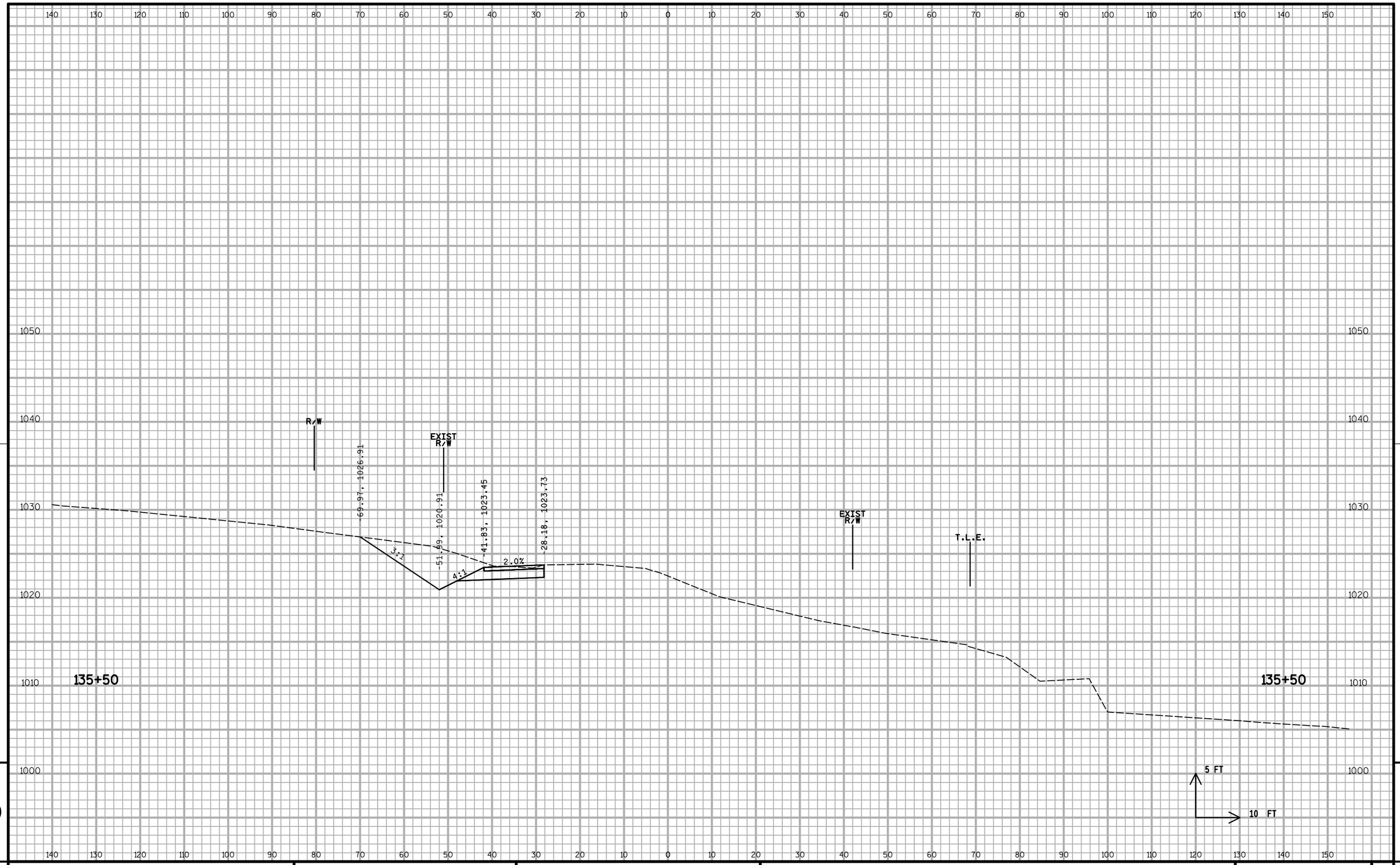


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 858	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



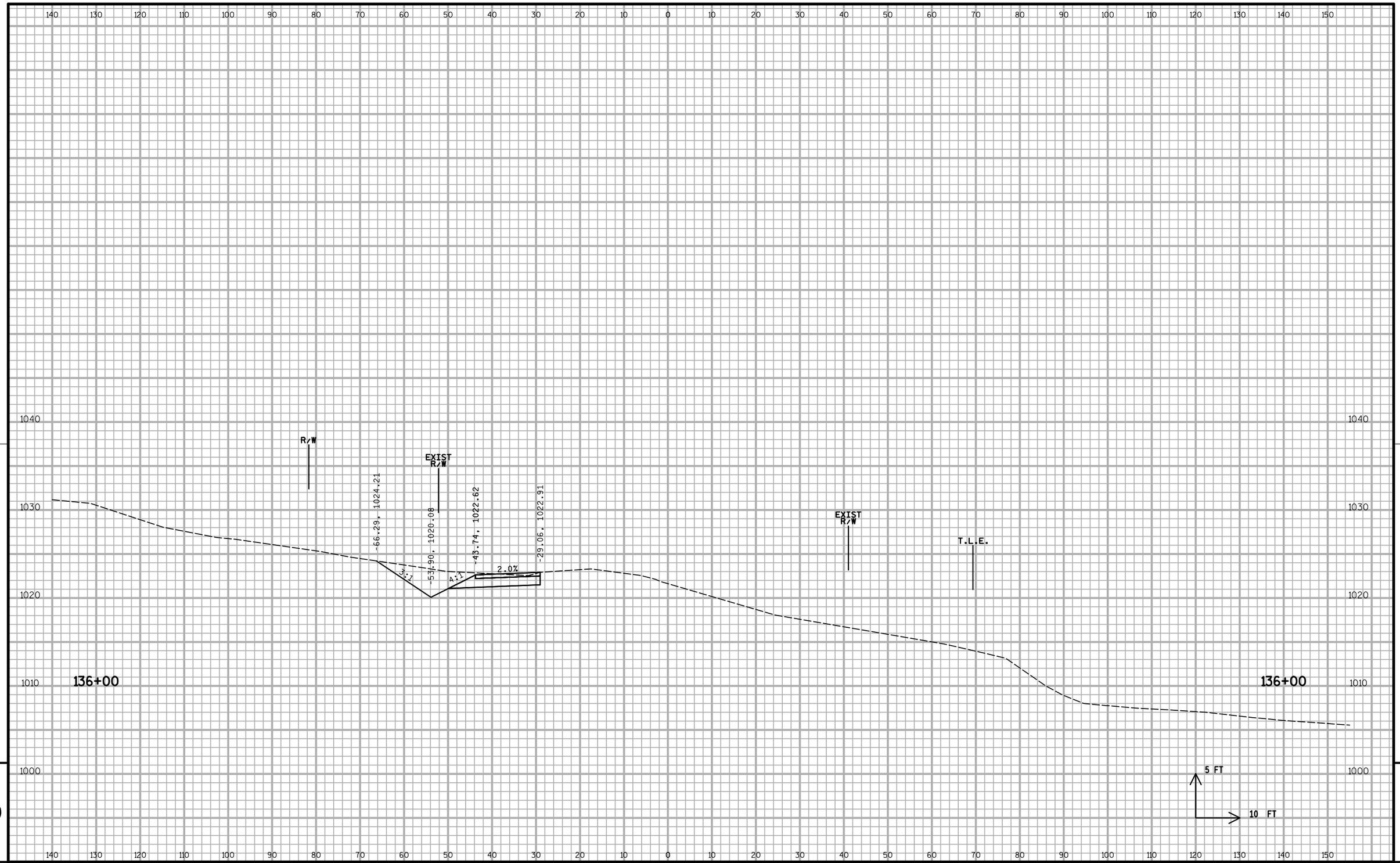
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 859	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

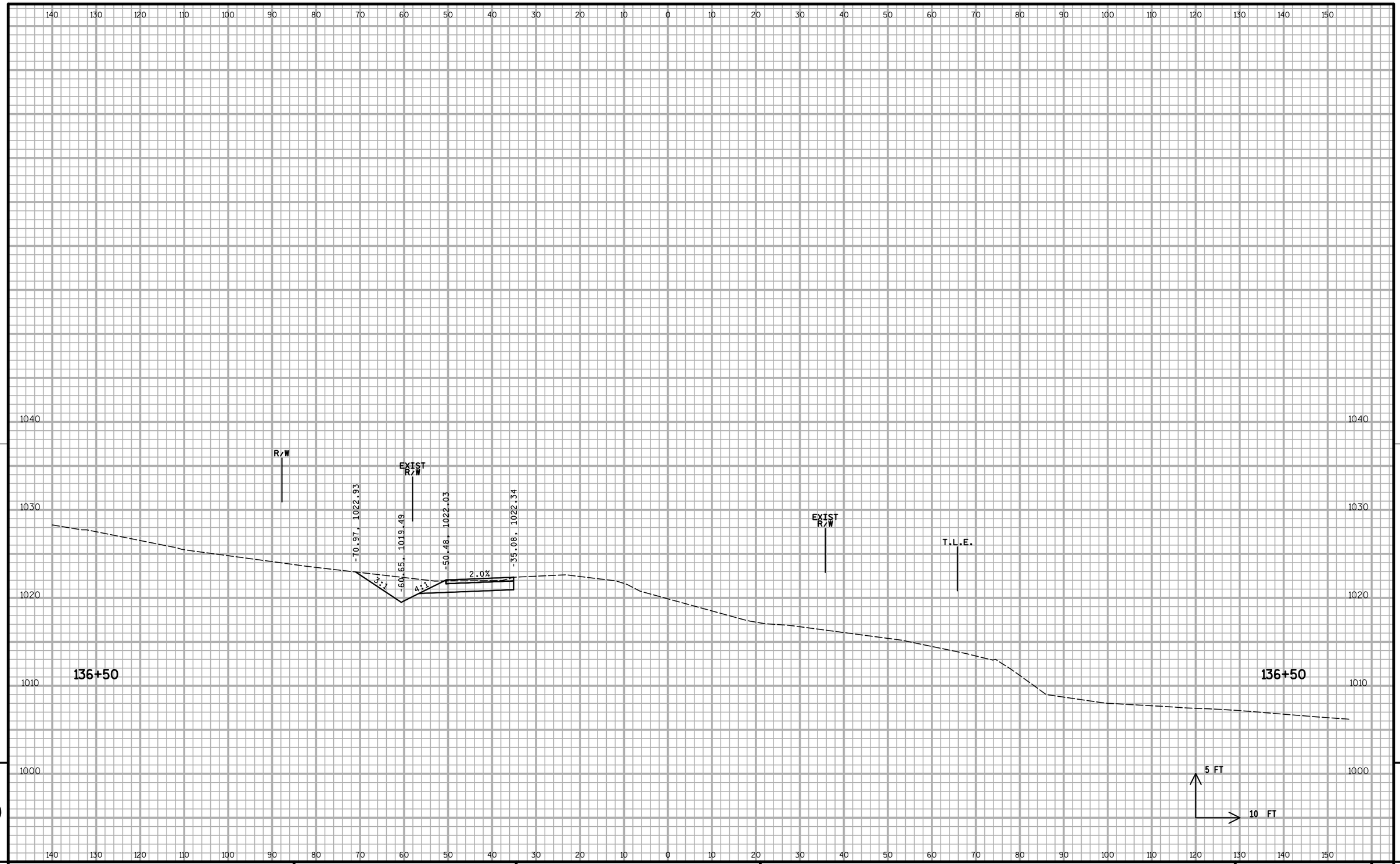
WISDOT/CADDS SHEET 21



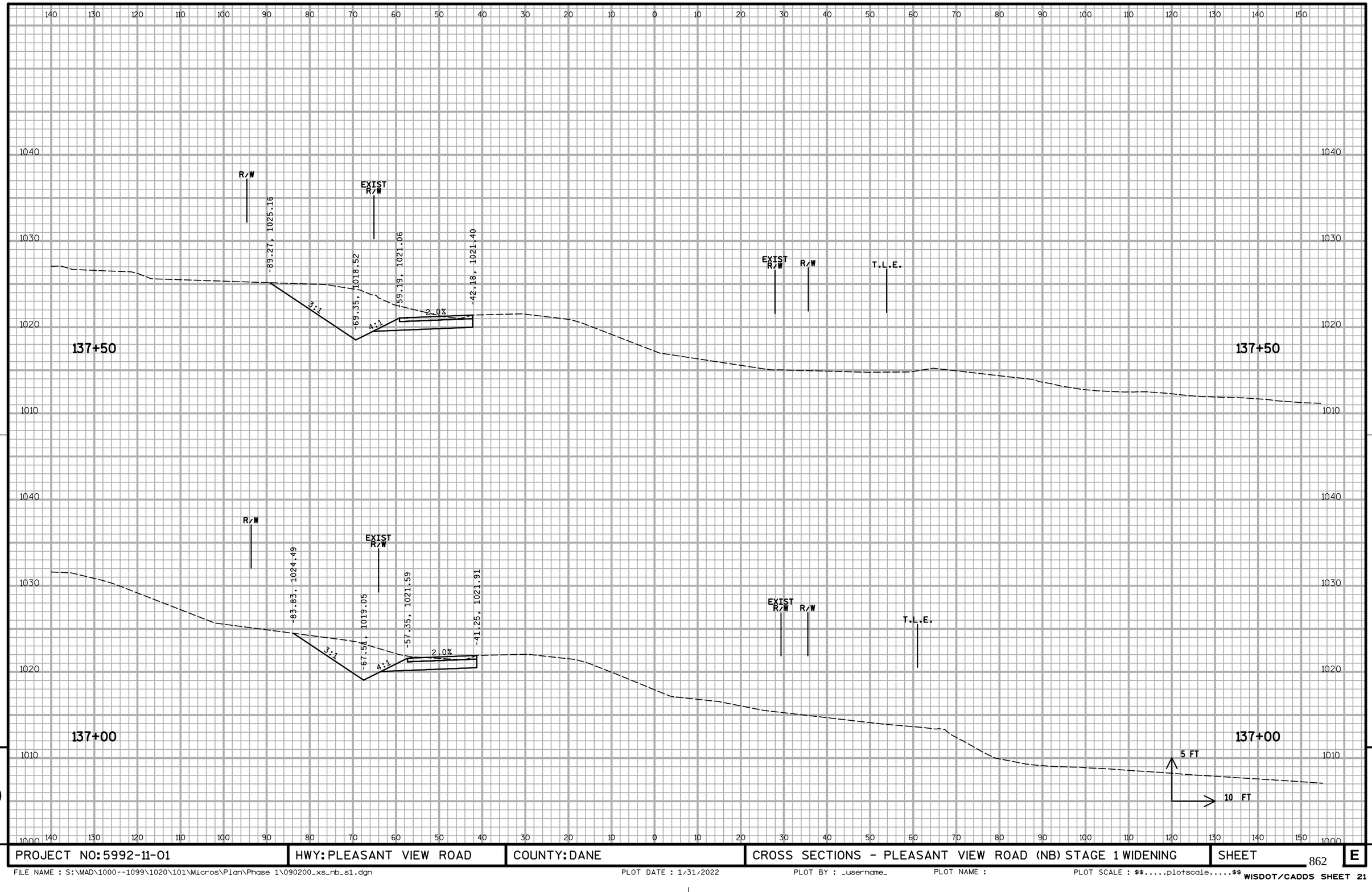
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 860	E



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 861	E



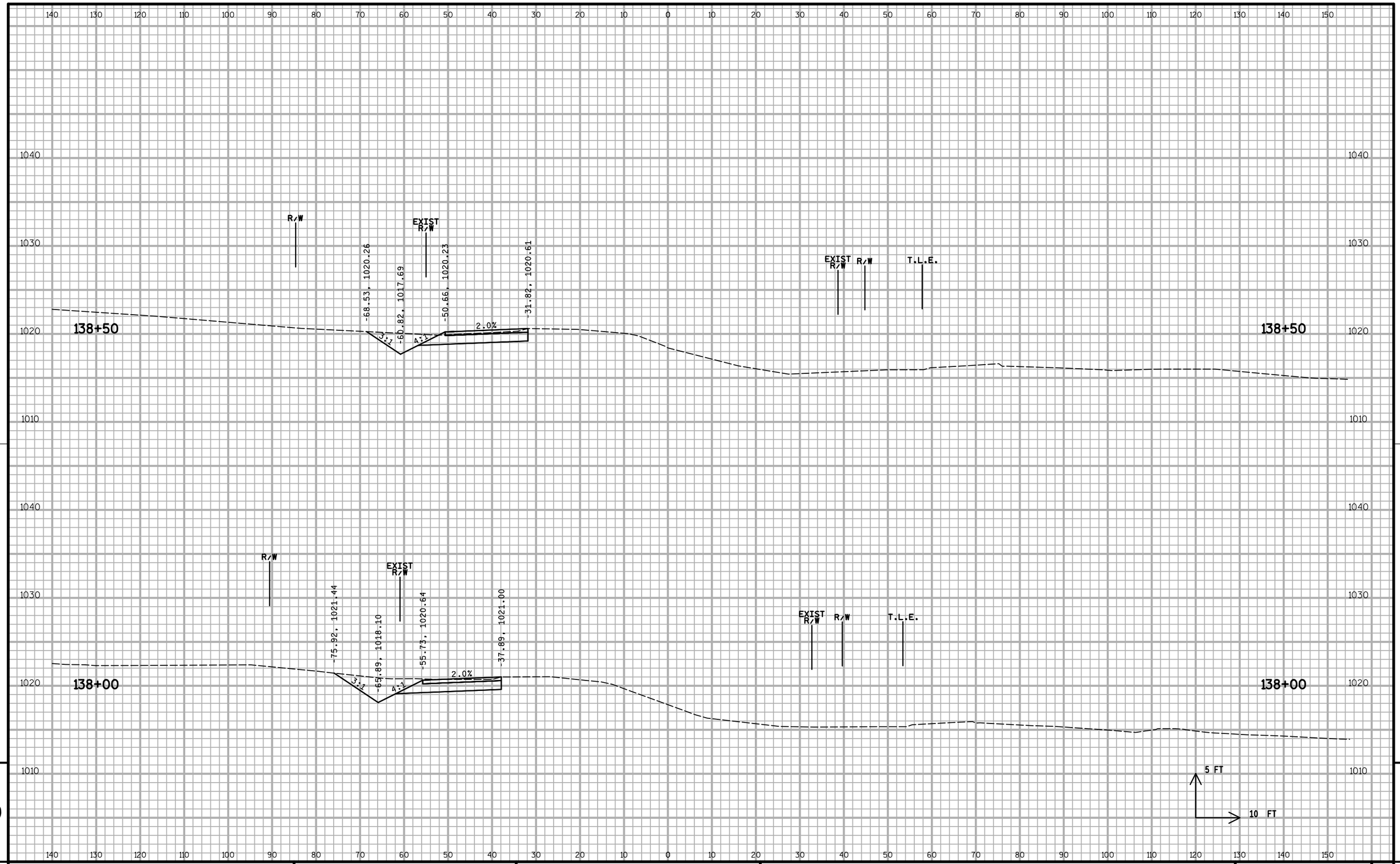
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 862	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

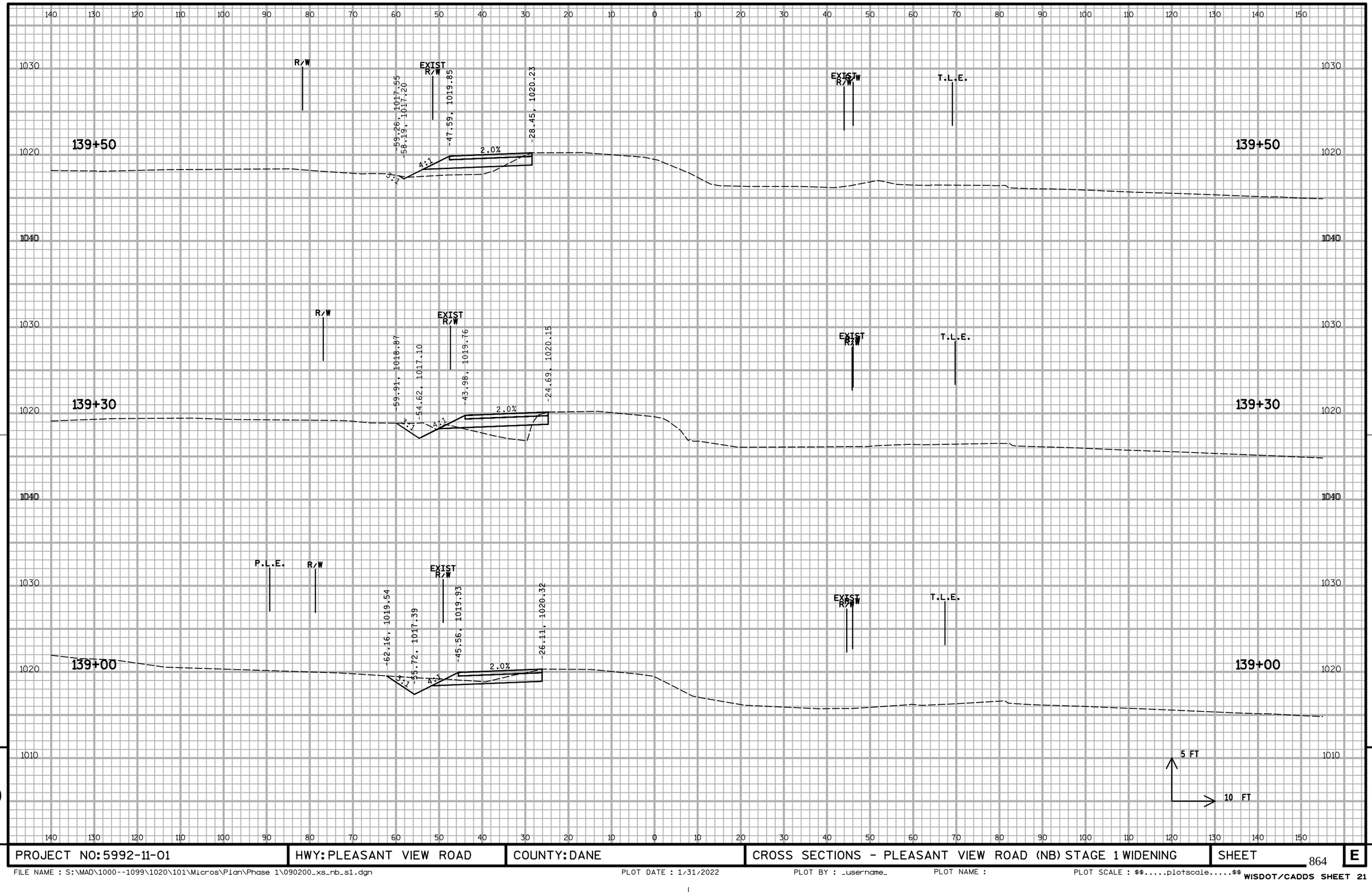


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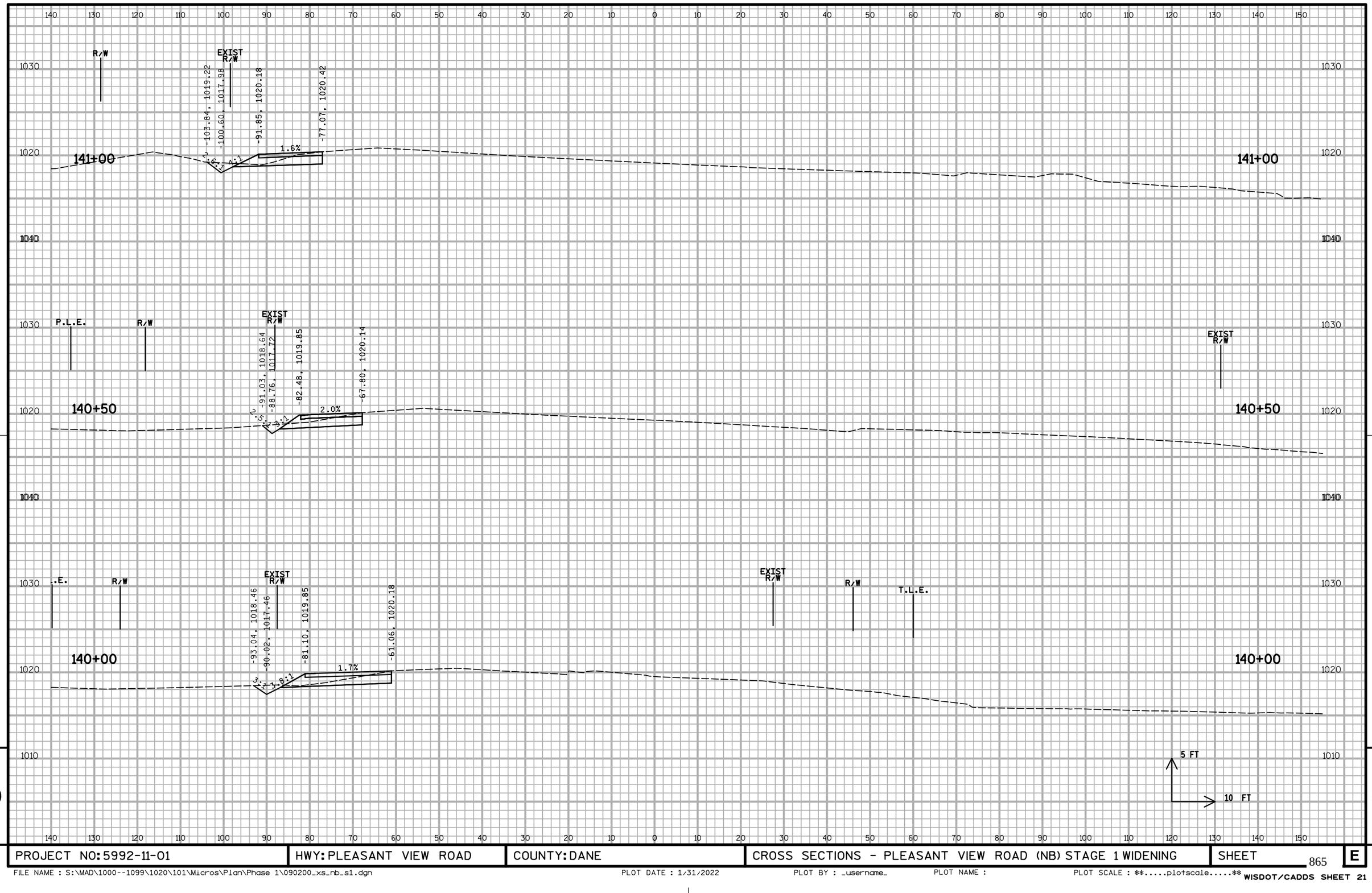
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 863	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



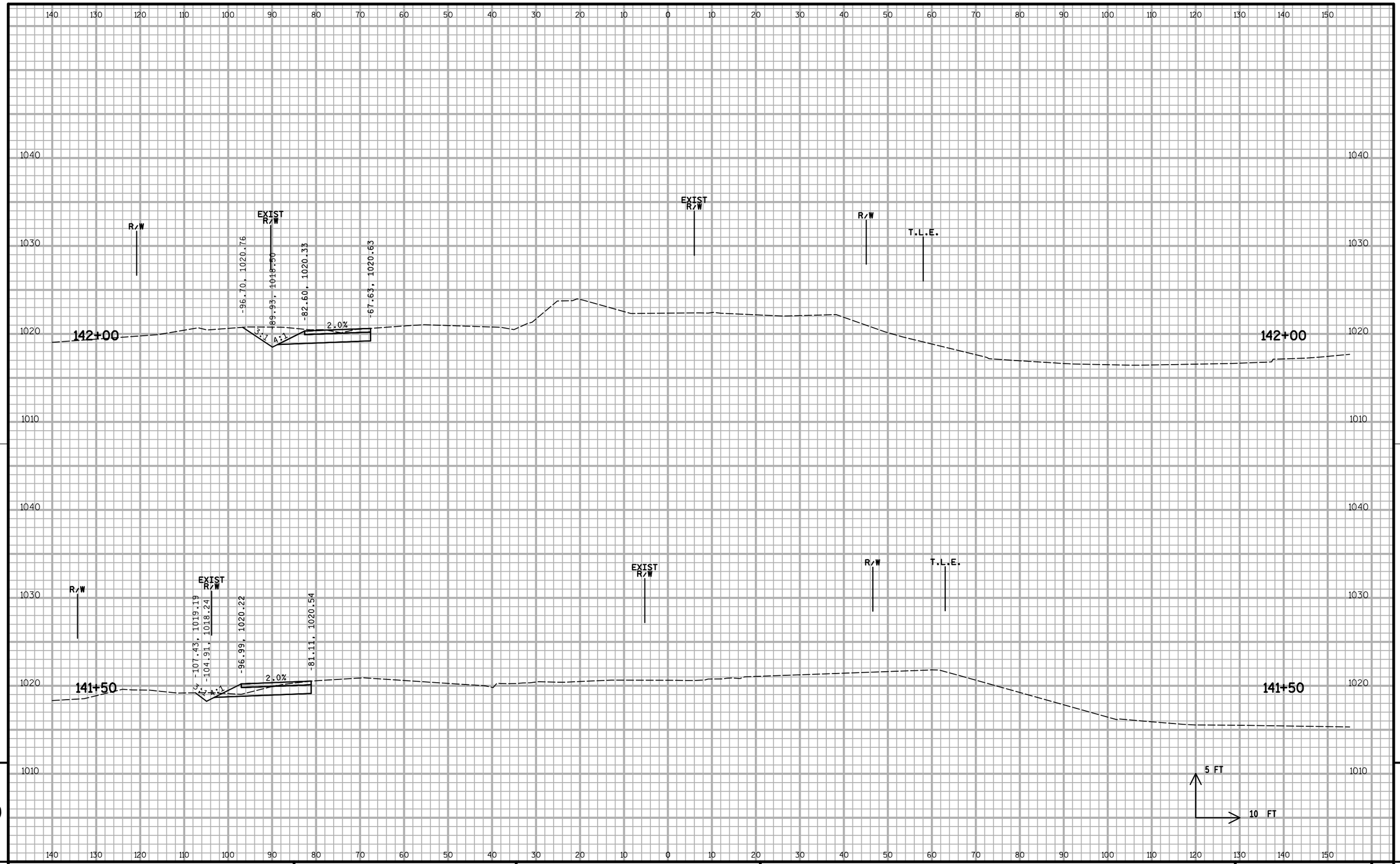
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 864	E



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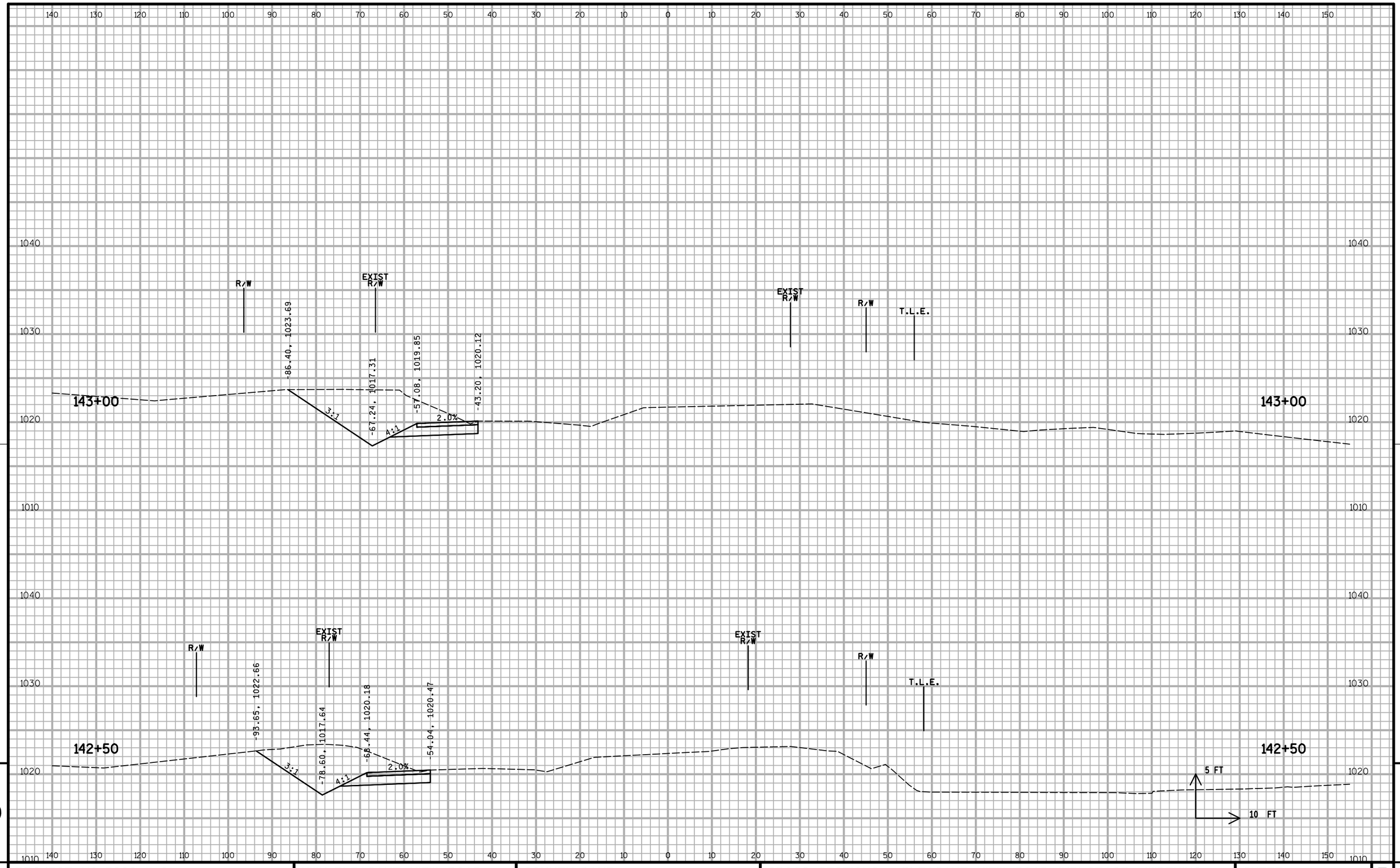
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 865	E



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 866	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

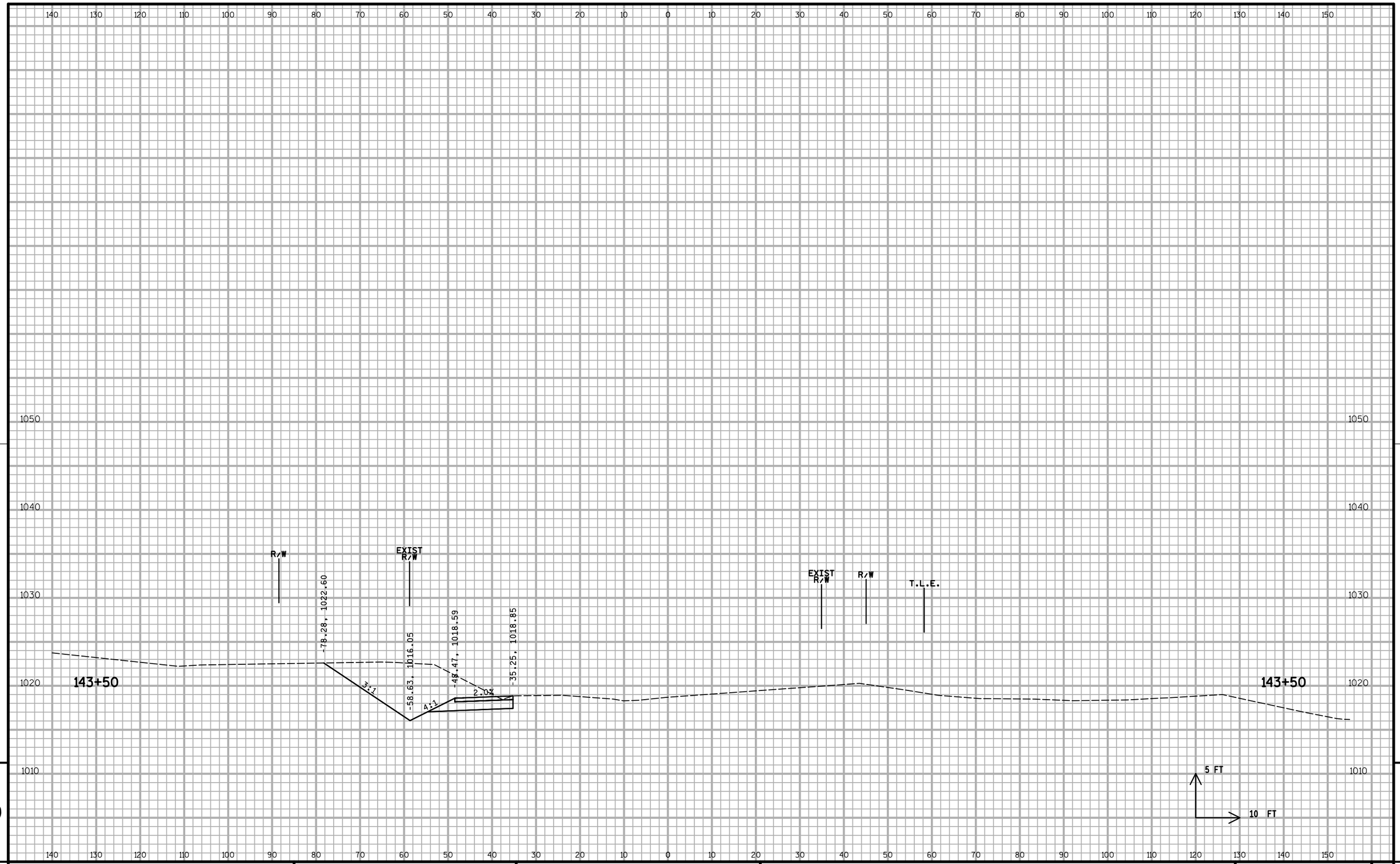


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 868	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 869	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

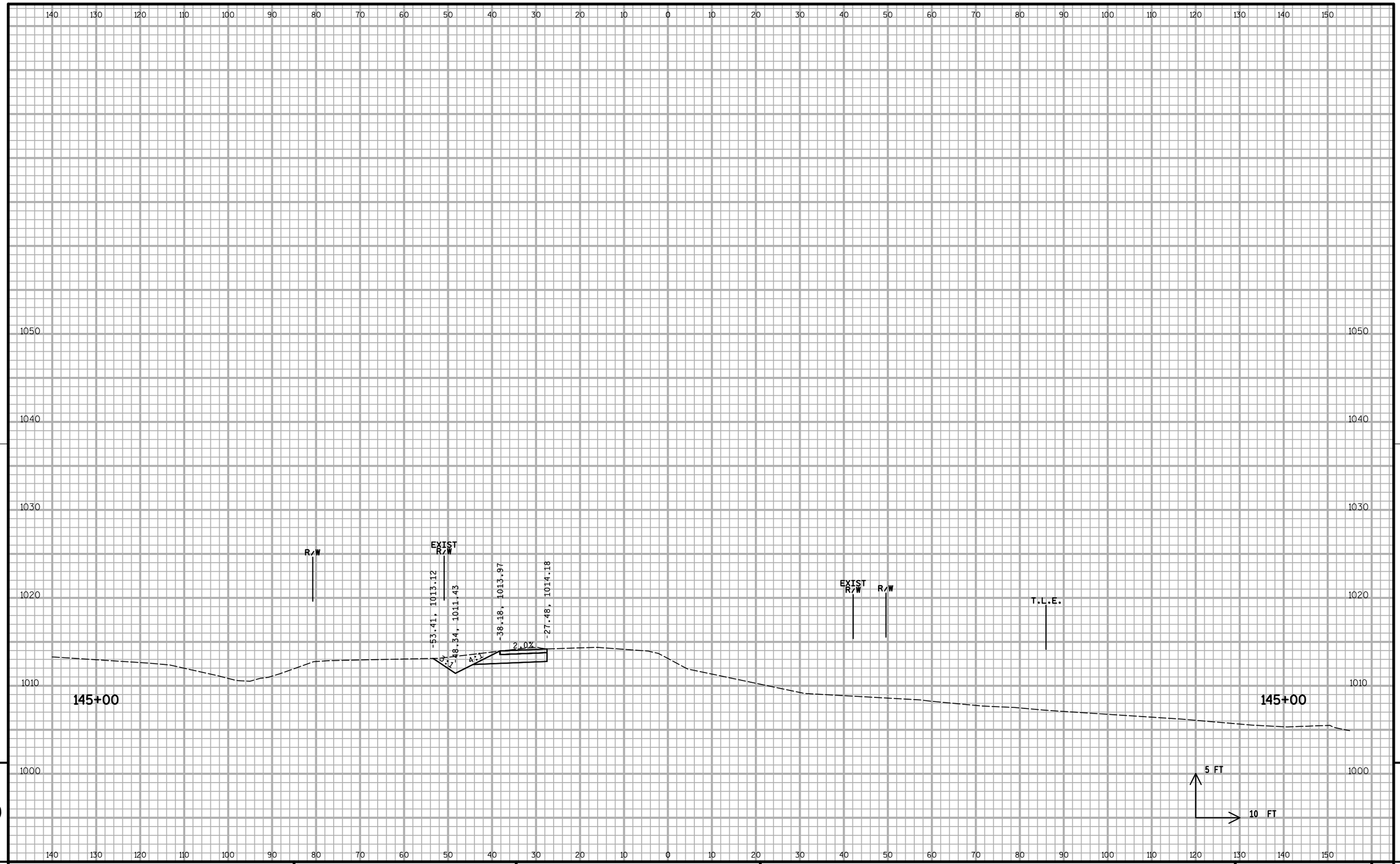


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 870	E

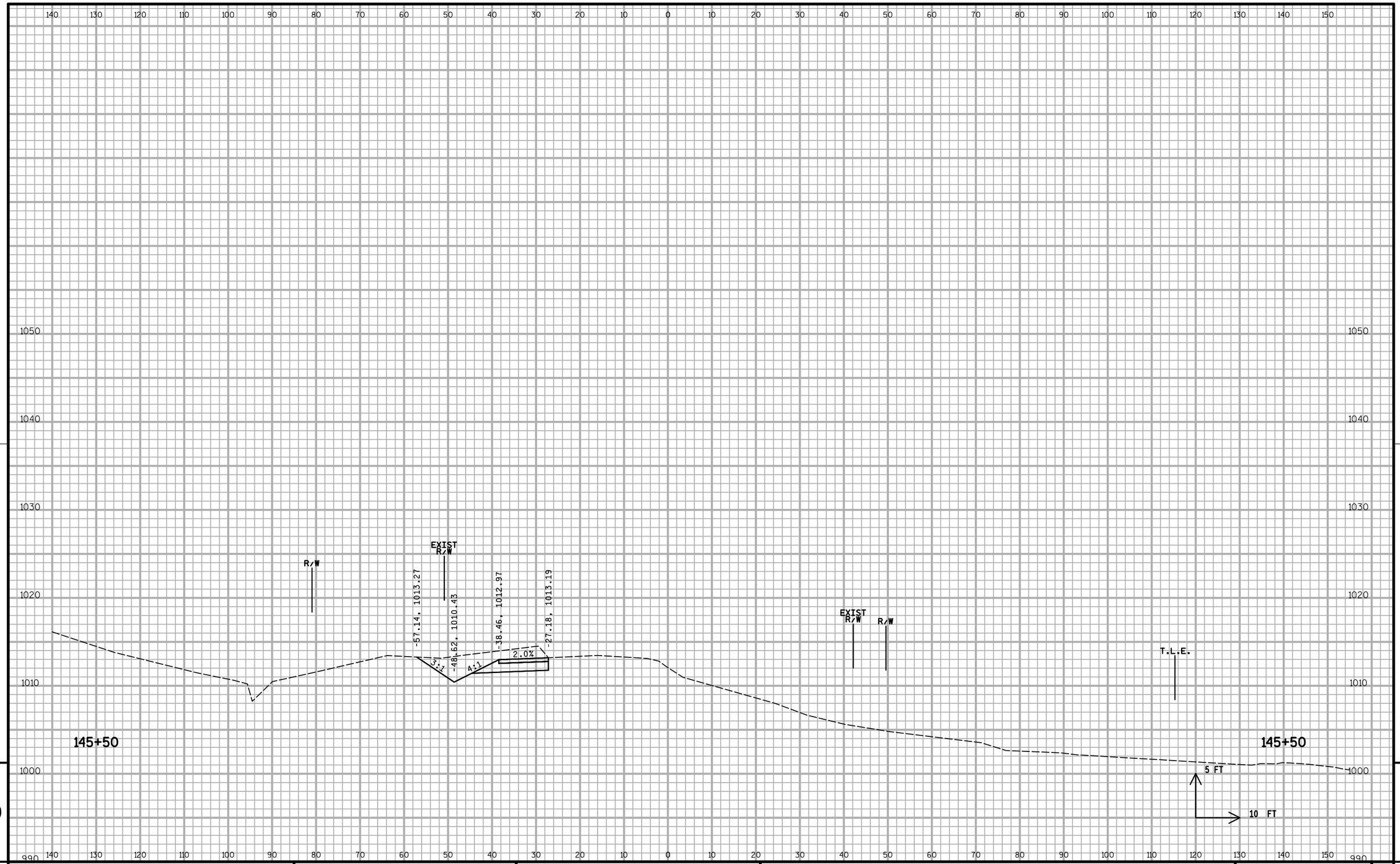
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 871	E

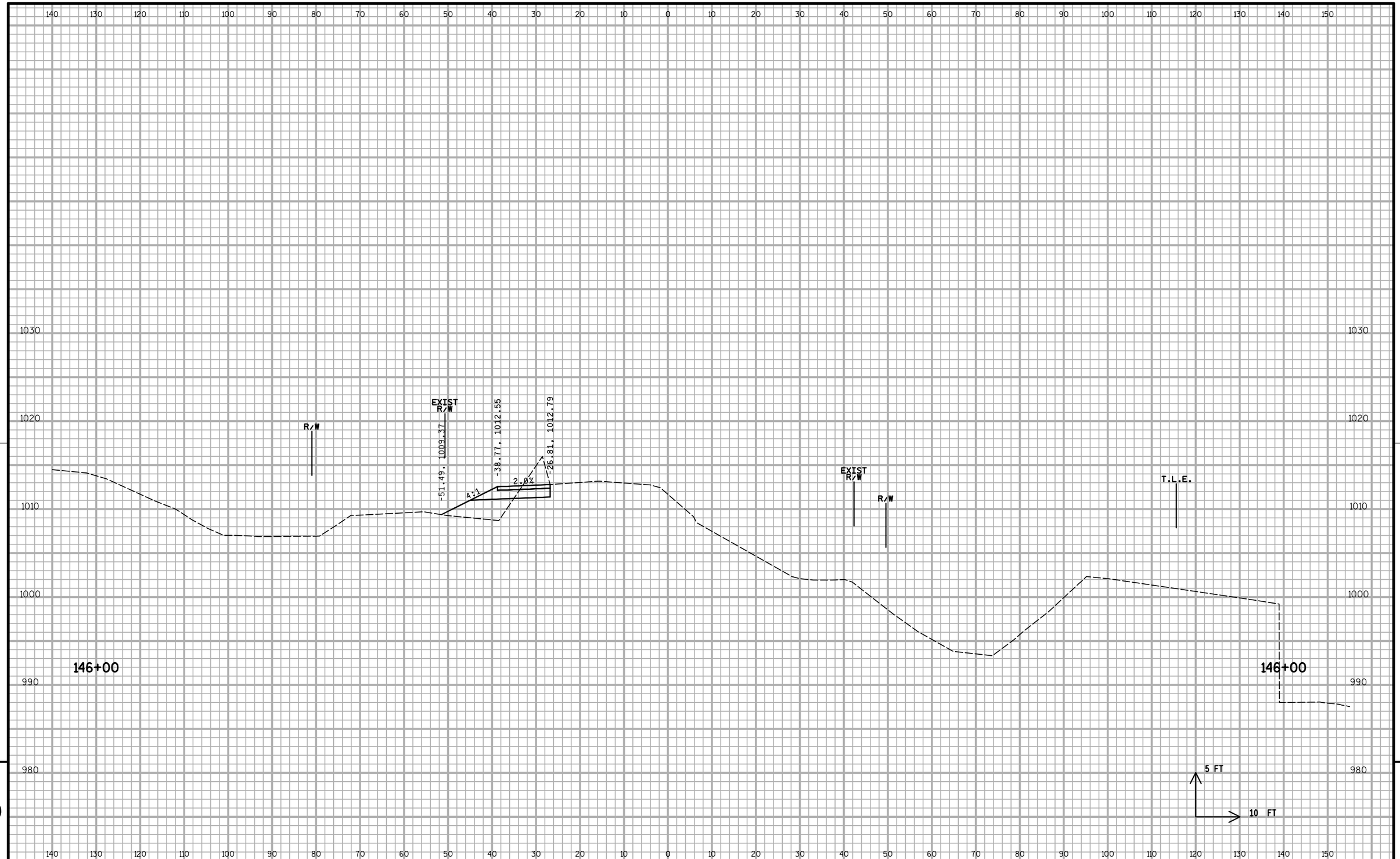


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 872	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

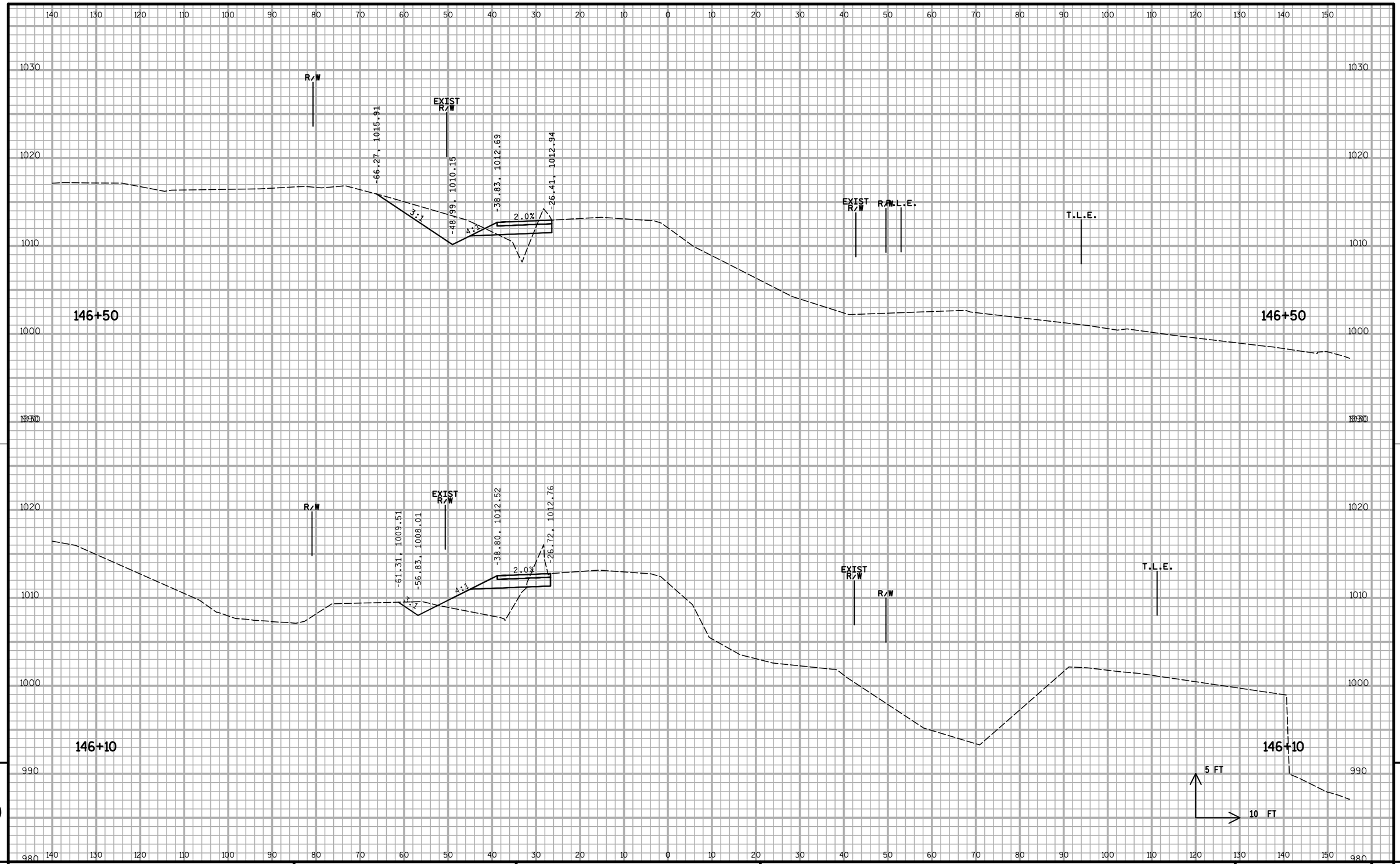


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 873	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

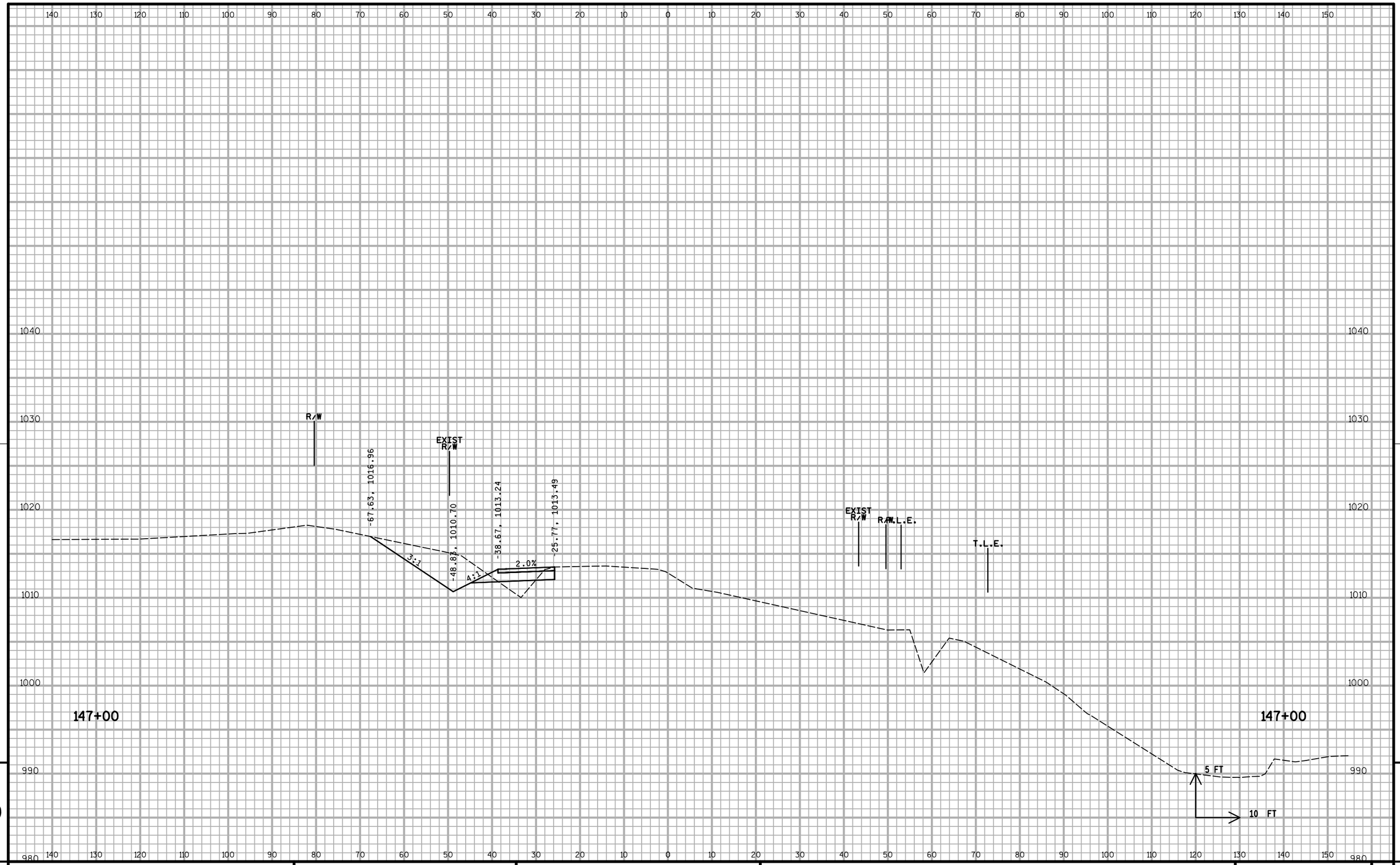


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 874	E

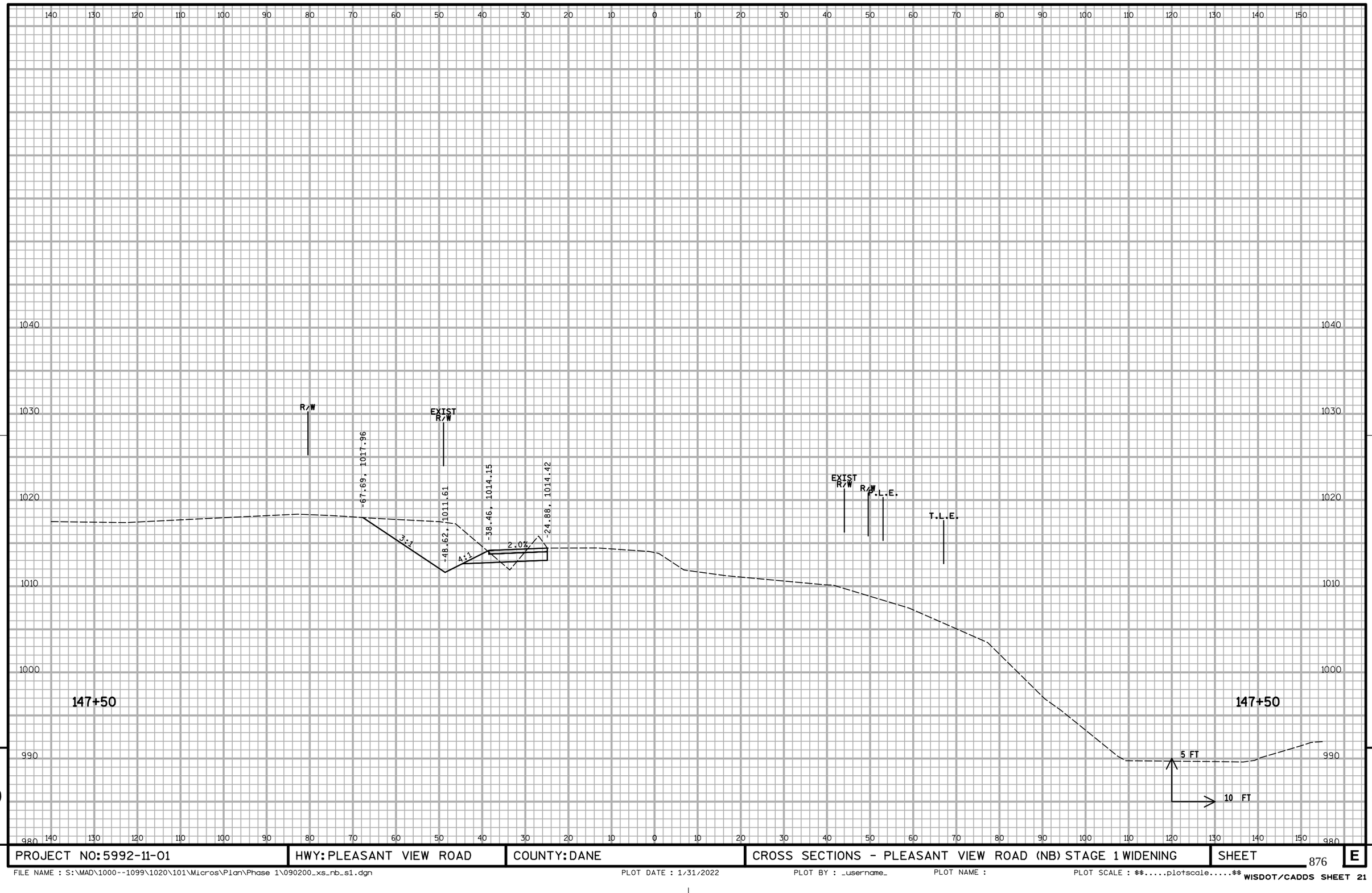
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 875	E

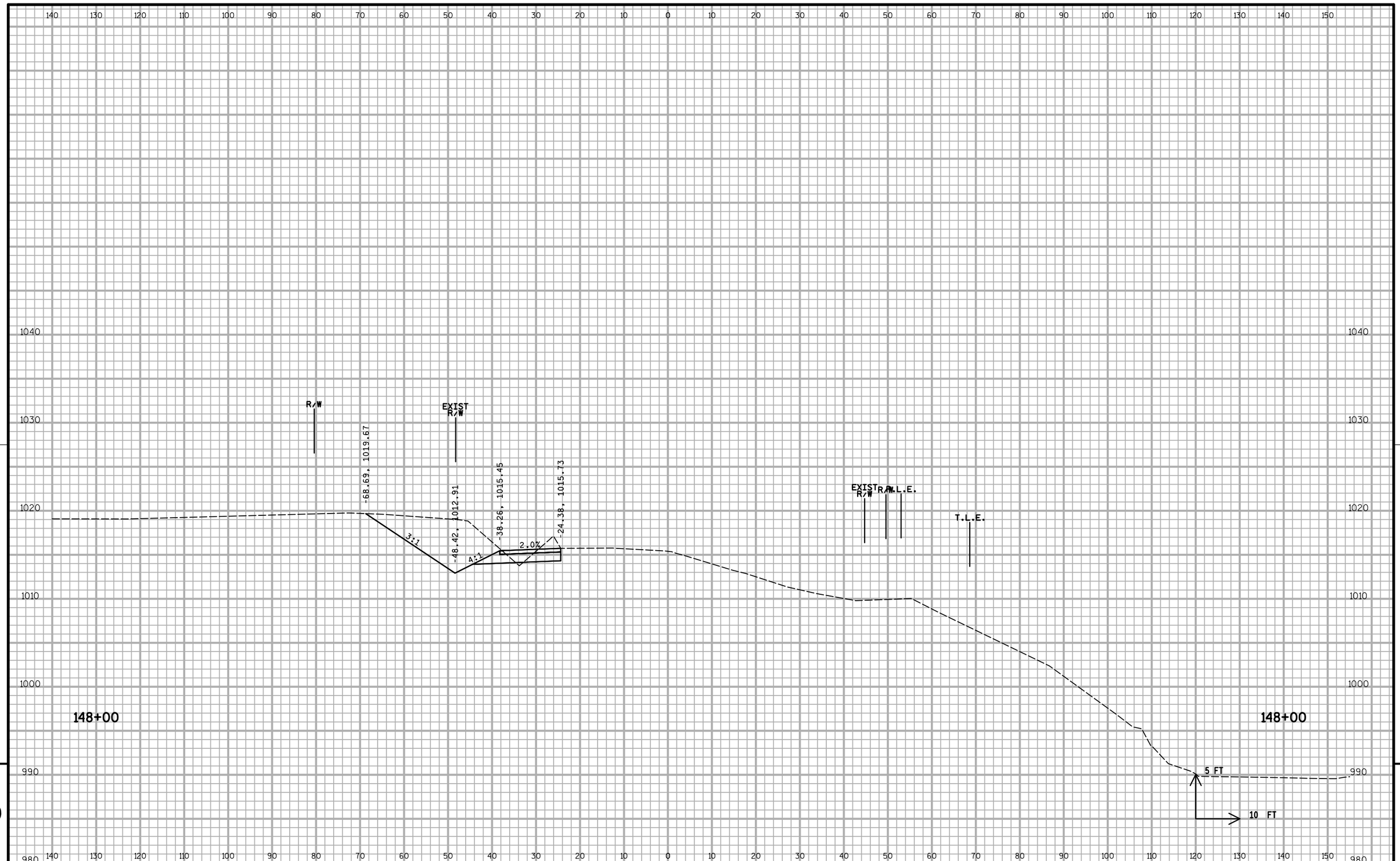
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WISDOT/CADDS SHEET 21



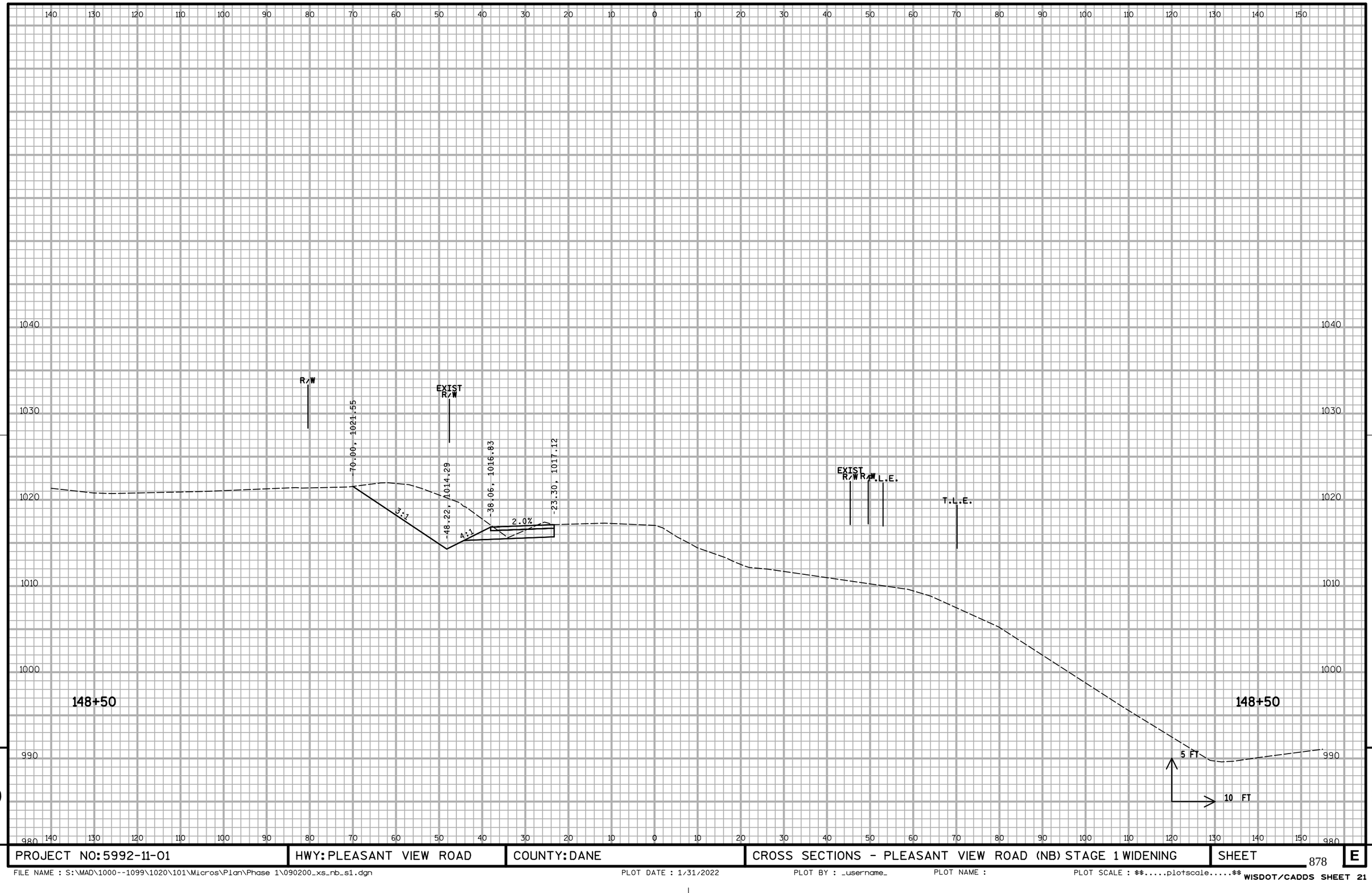
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 876	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 877	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

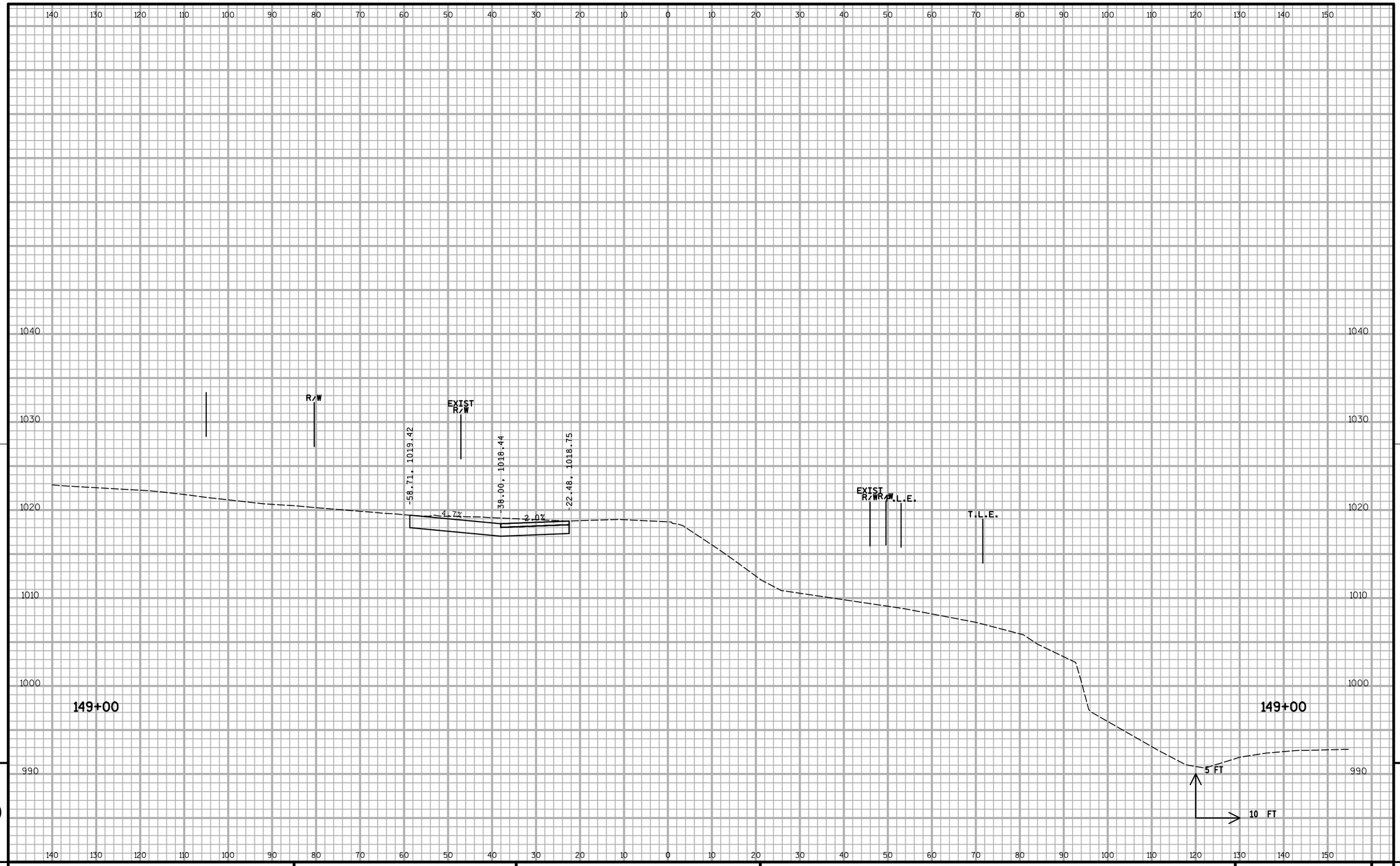


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 878	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



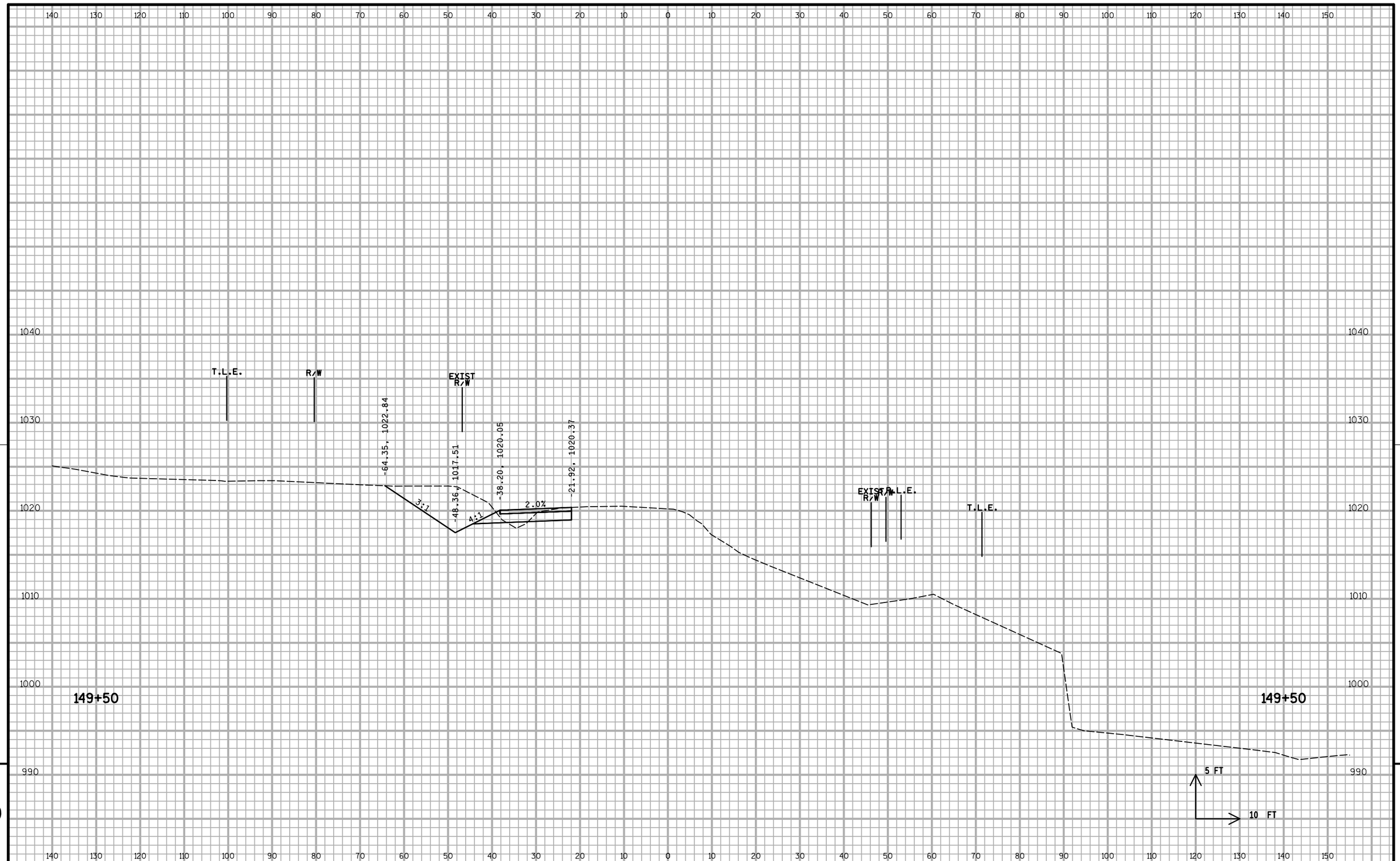
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 879	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

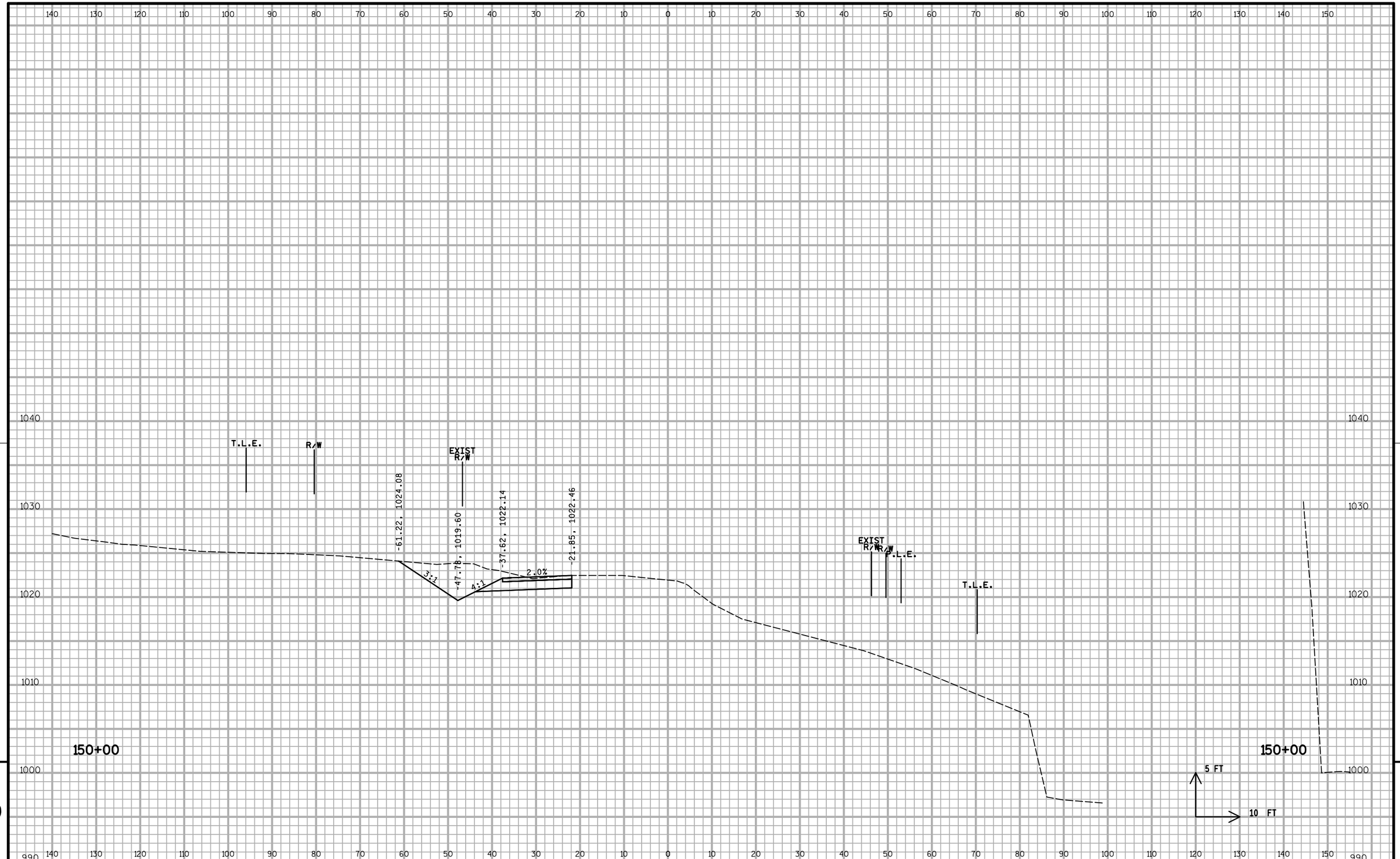
WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 880	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

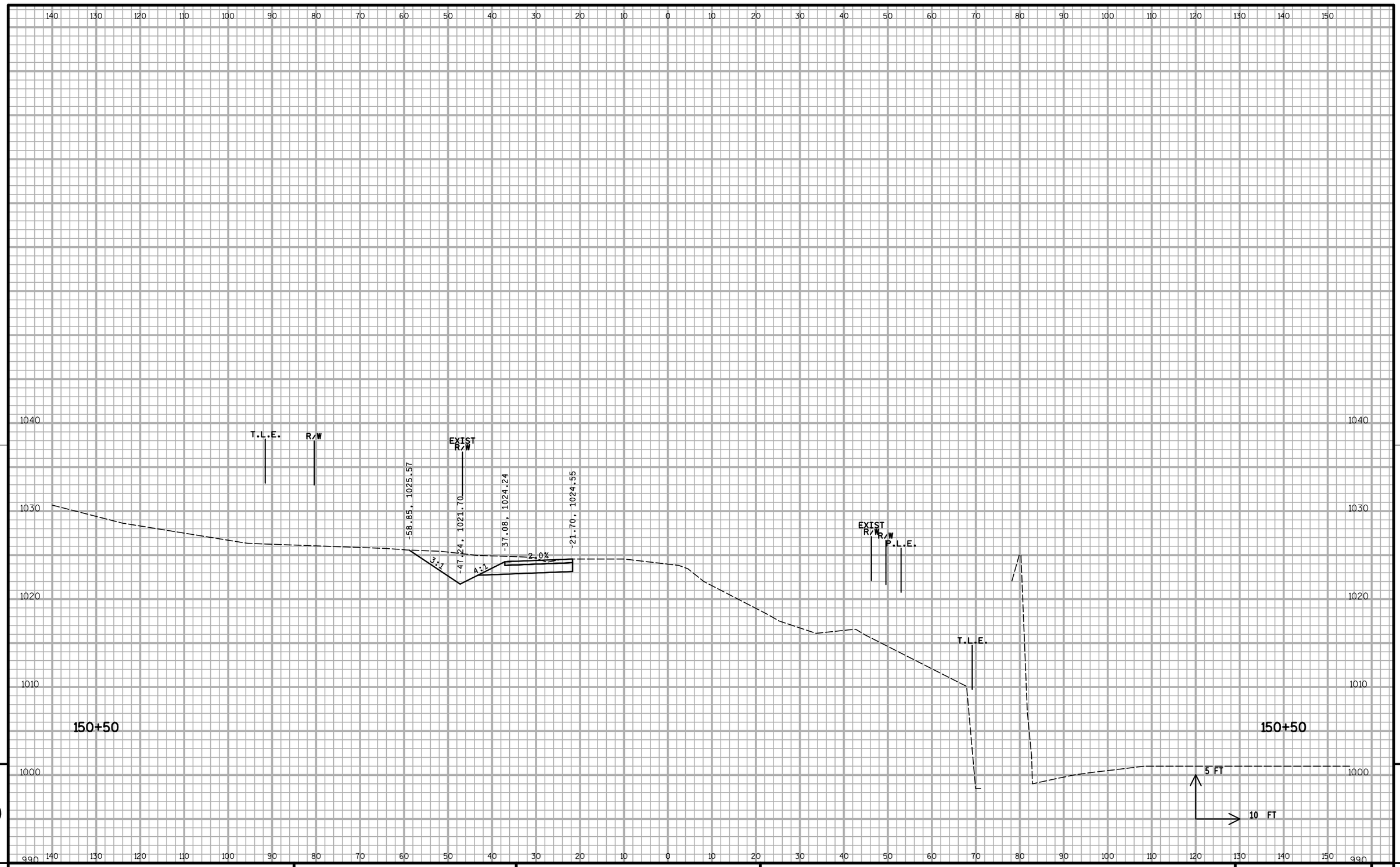


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 881	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

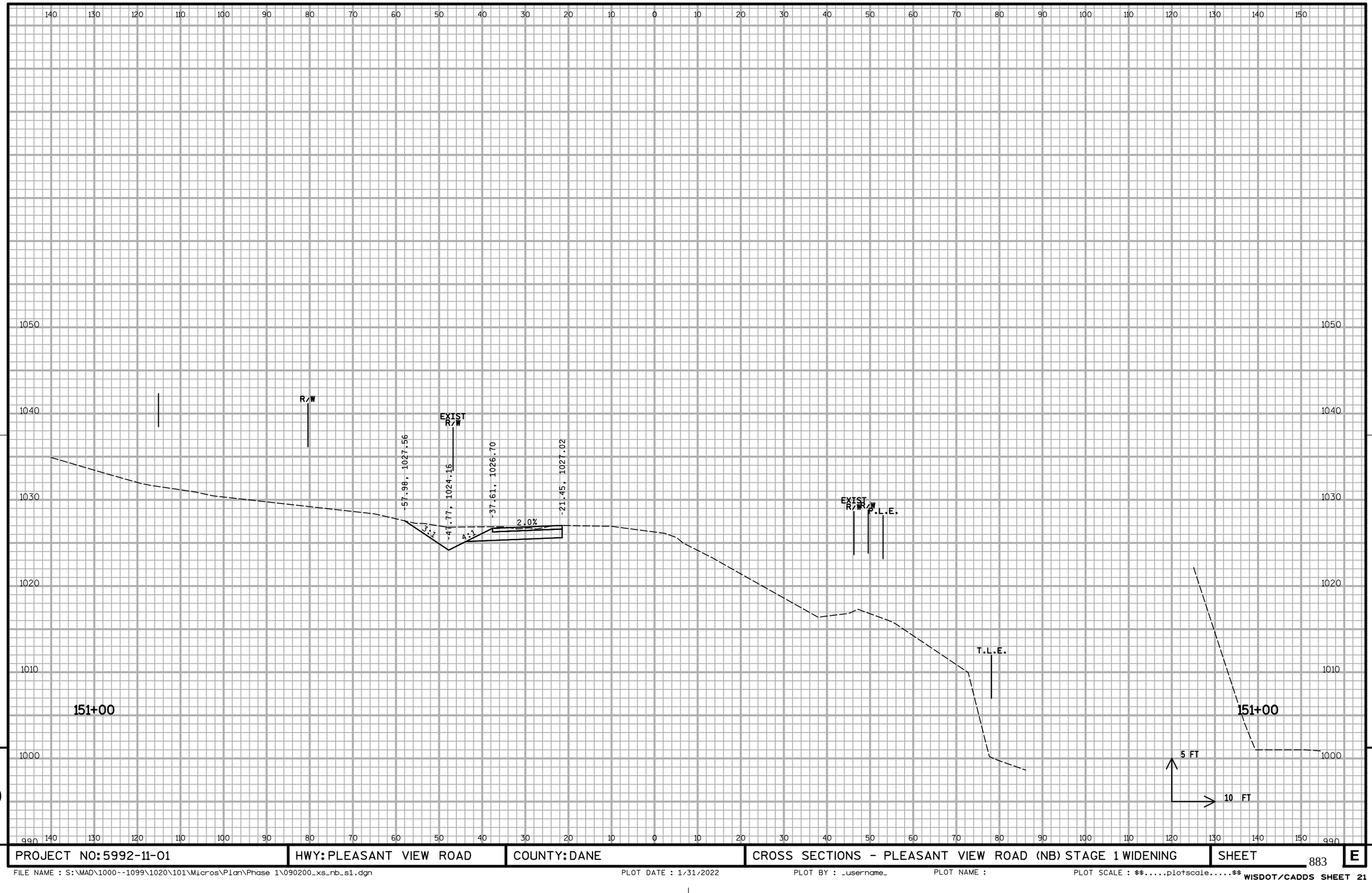


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9

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 882	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



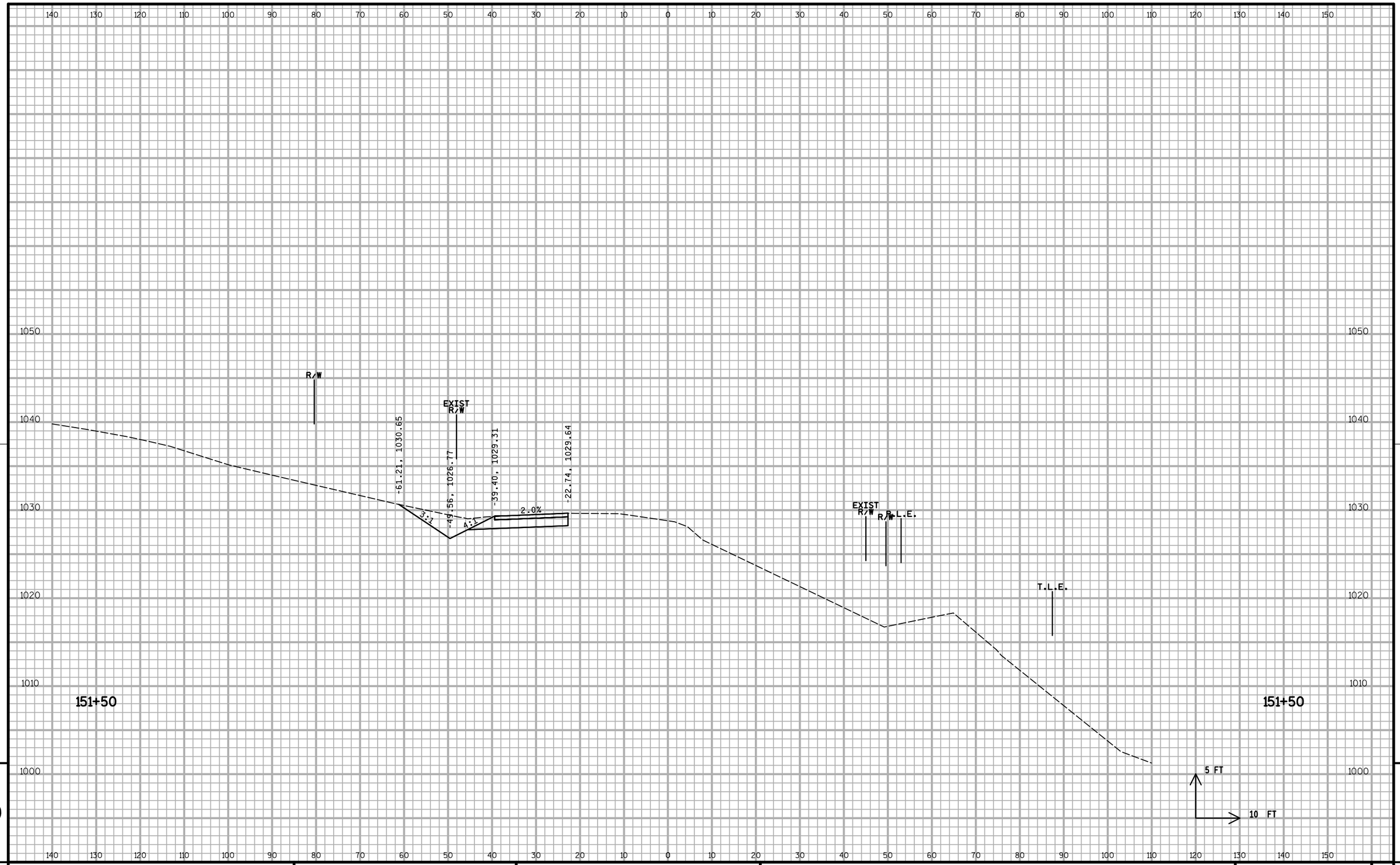
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 883	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

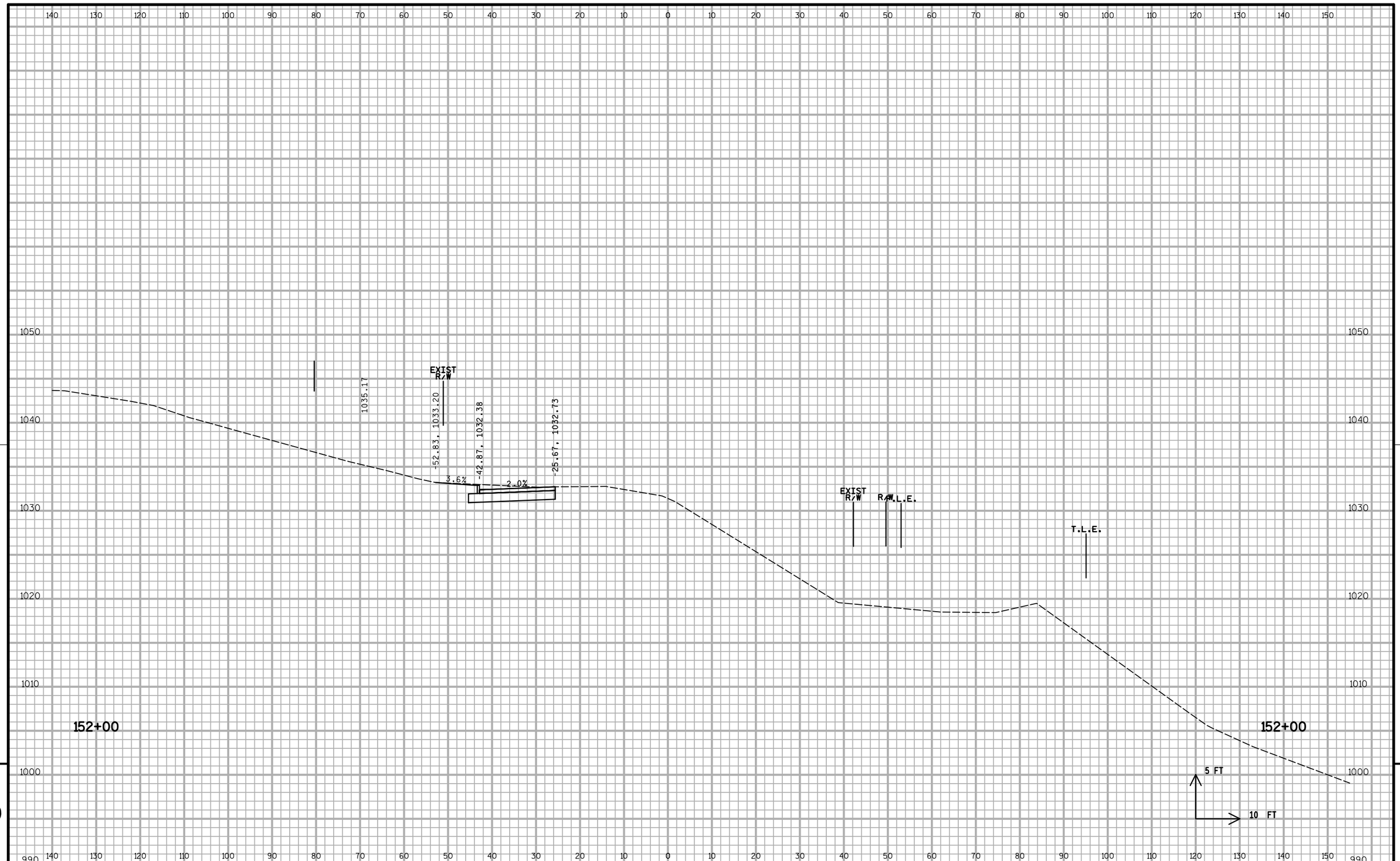


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 884	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

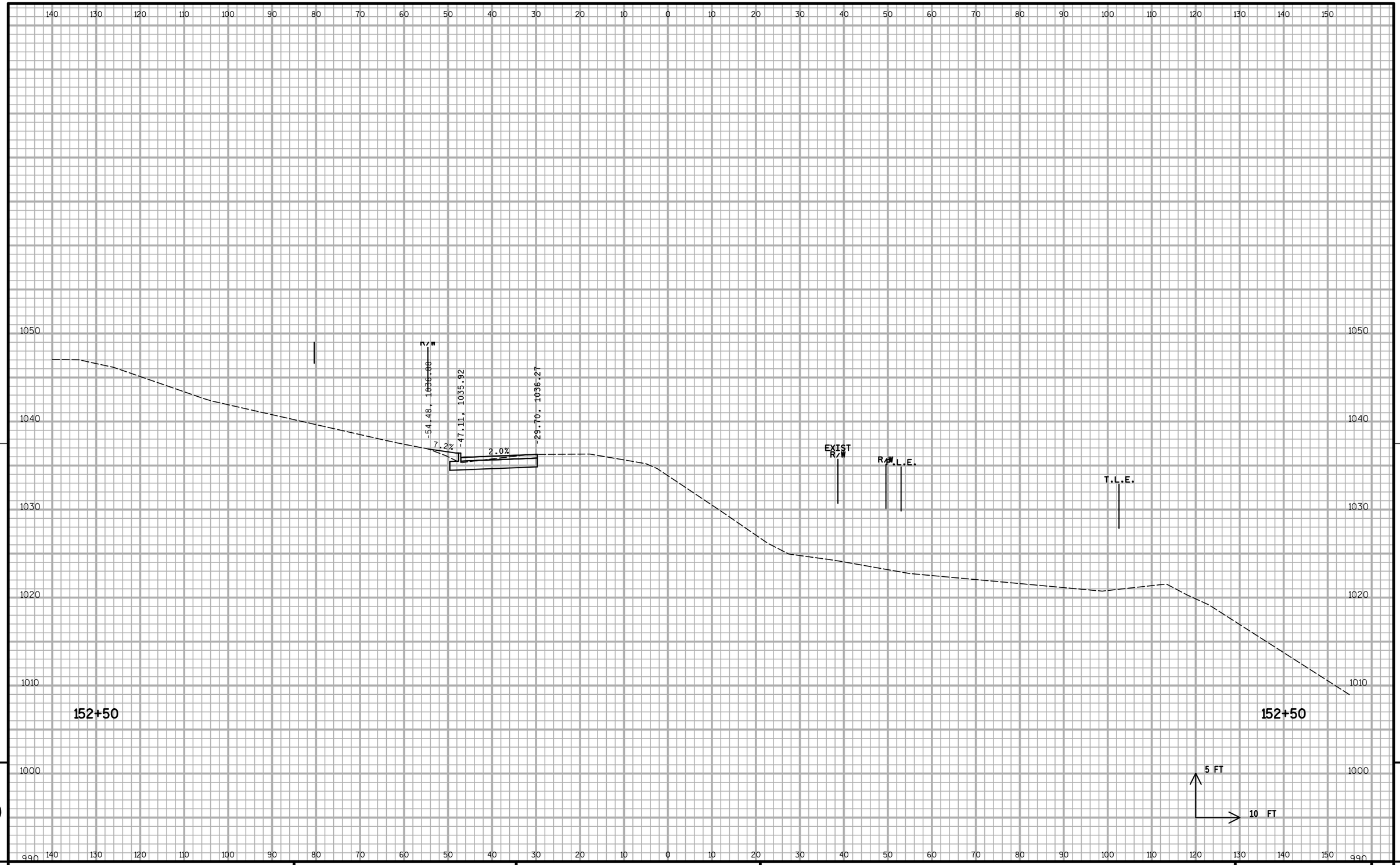


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 885	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

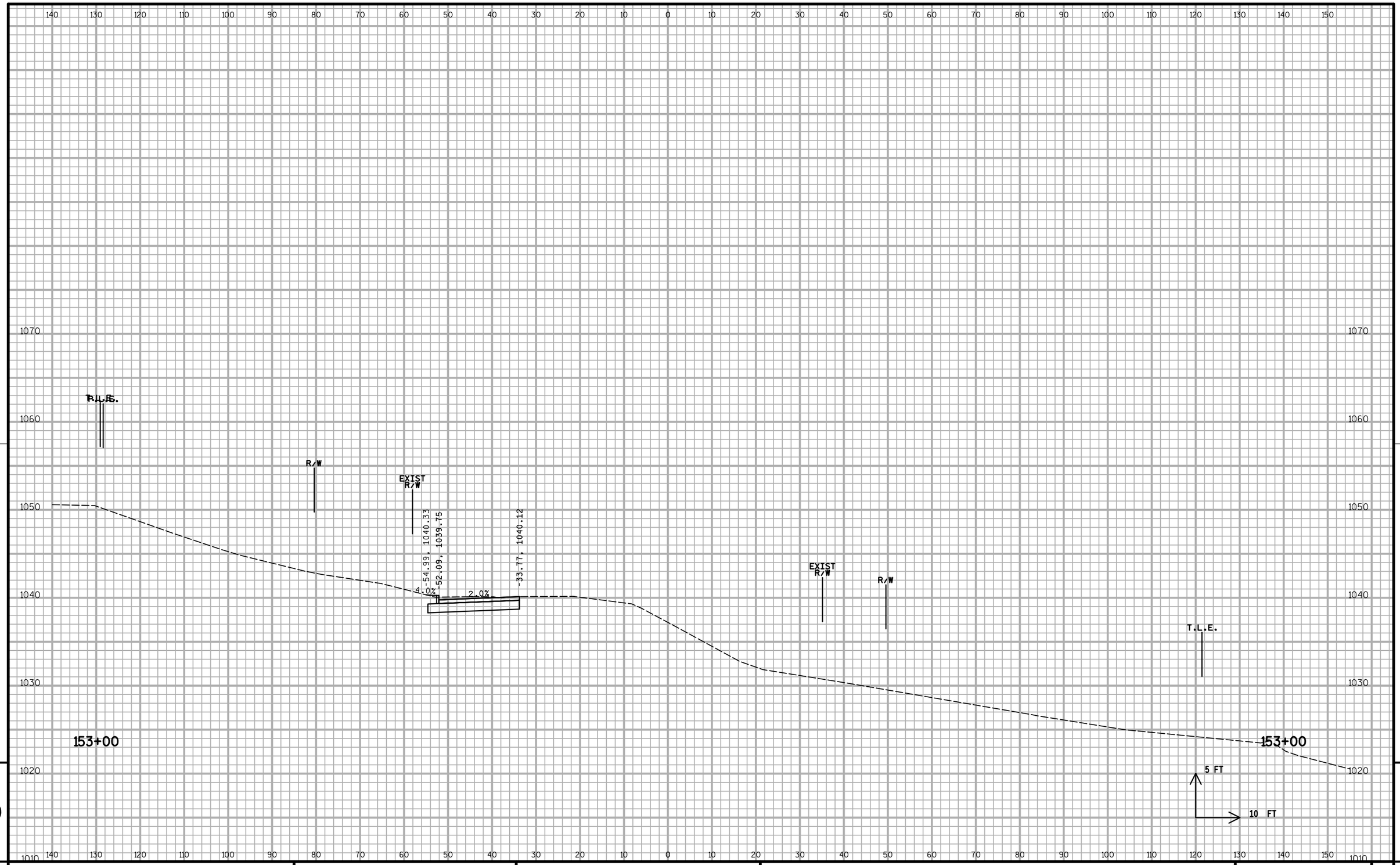


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 886	E

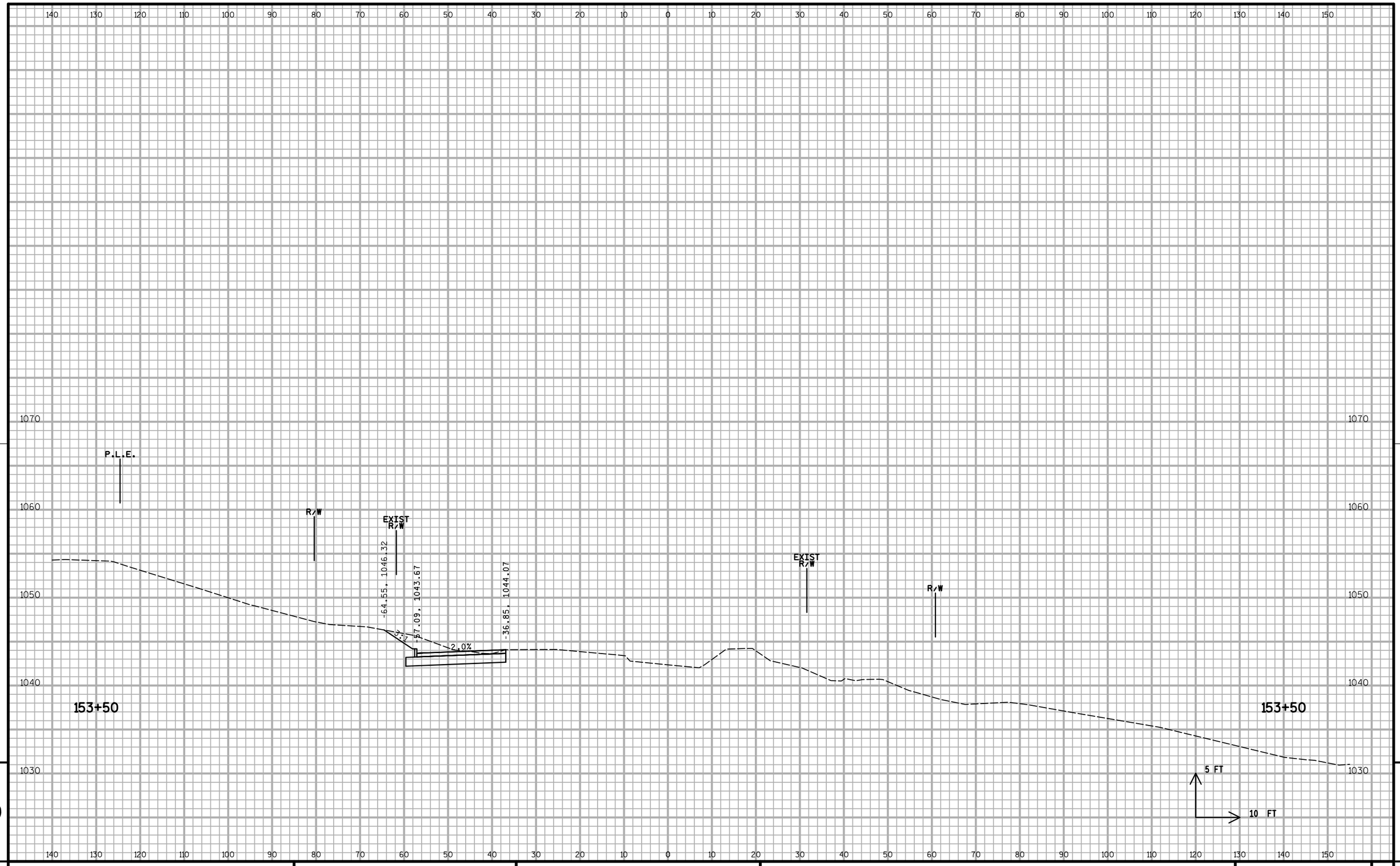
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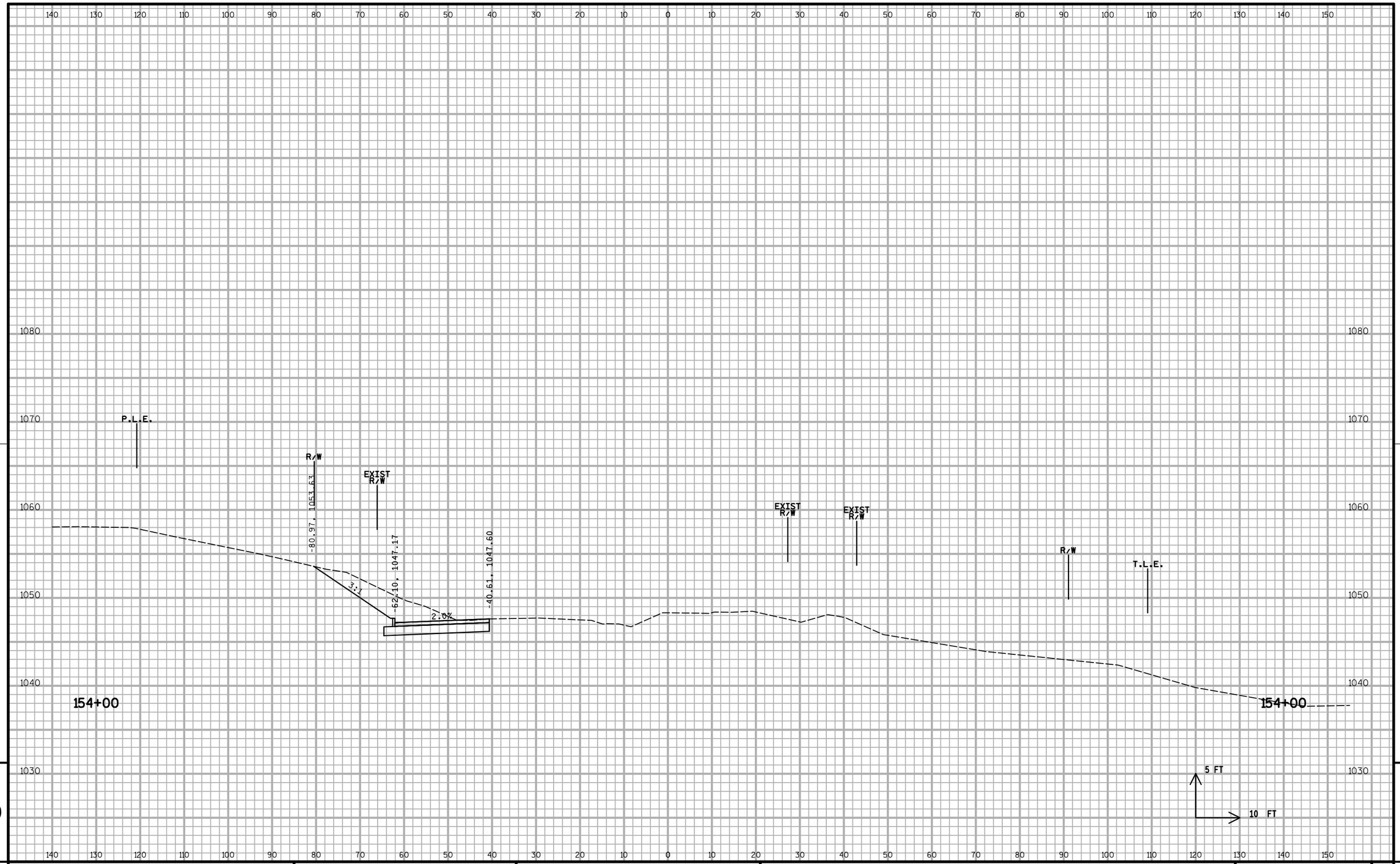
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 887	E



9

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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 888	E

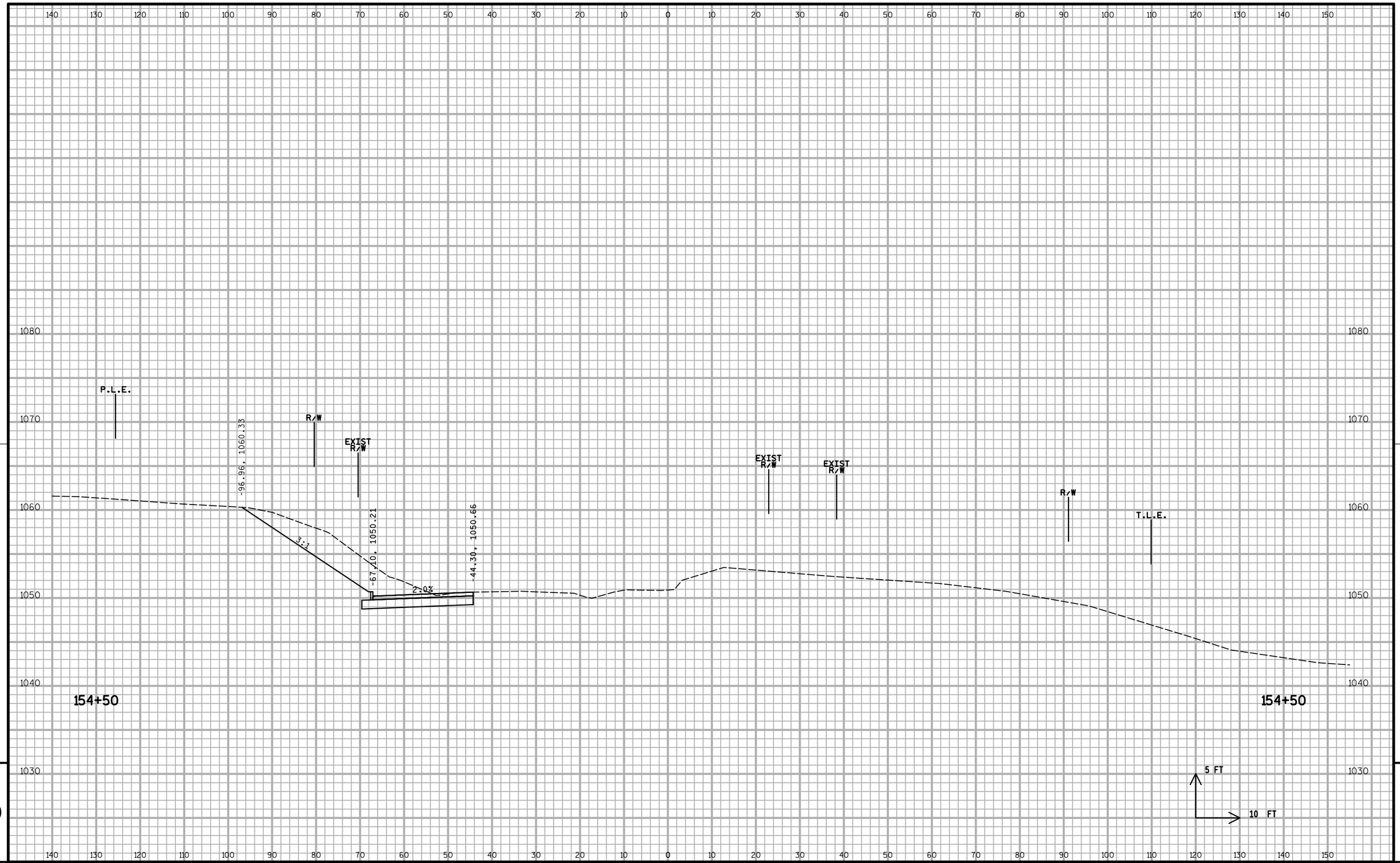


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 889	E

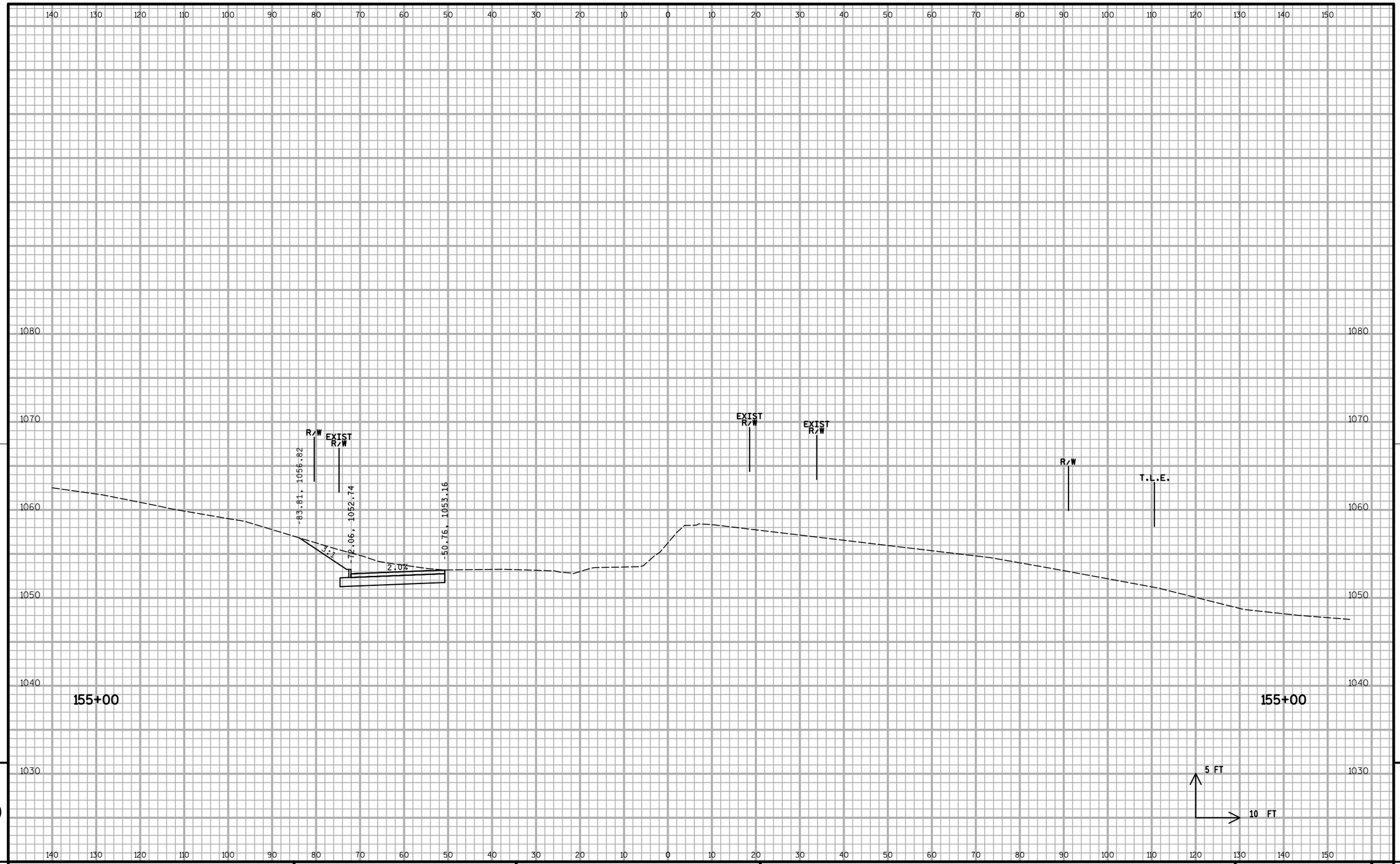
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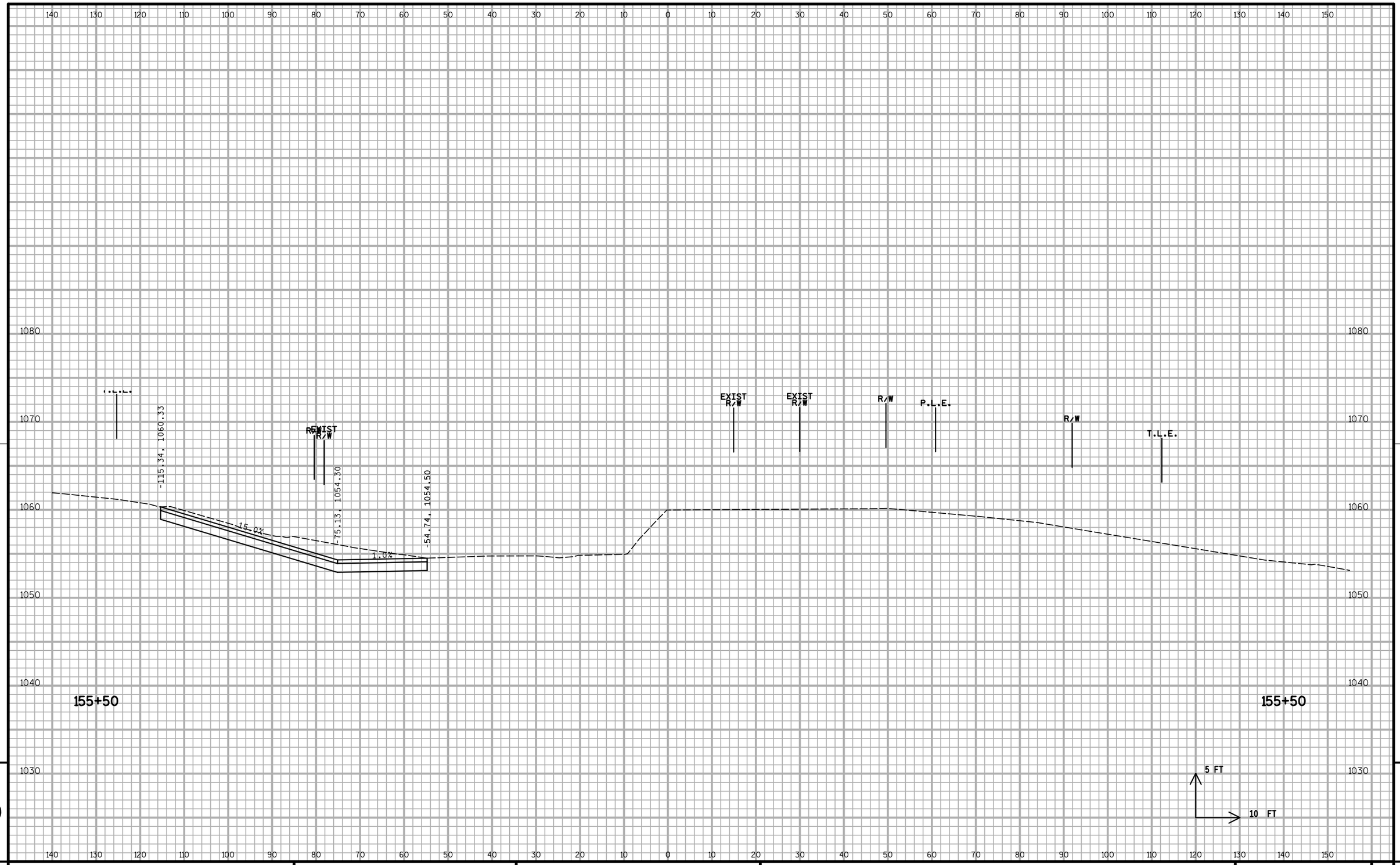
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 890	E



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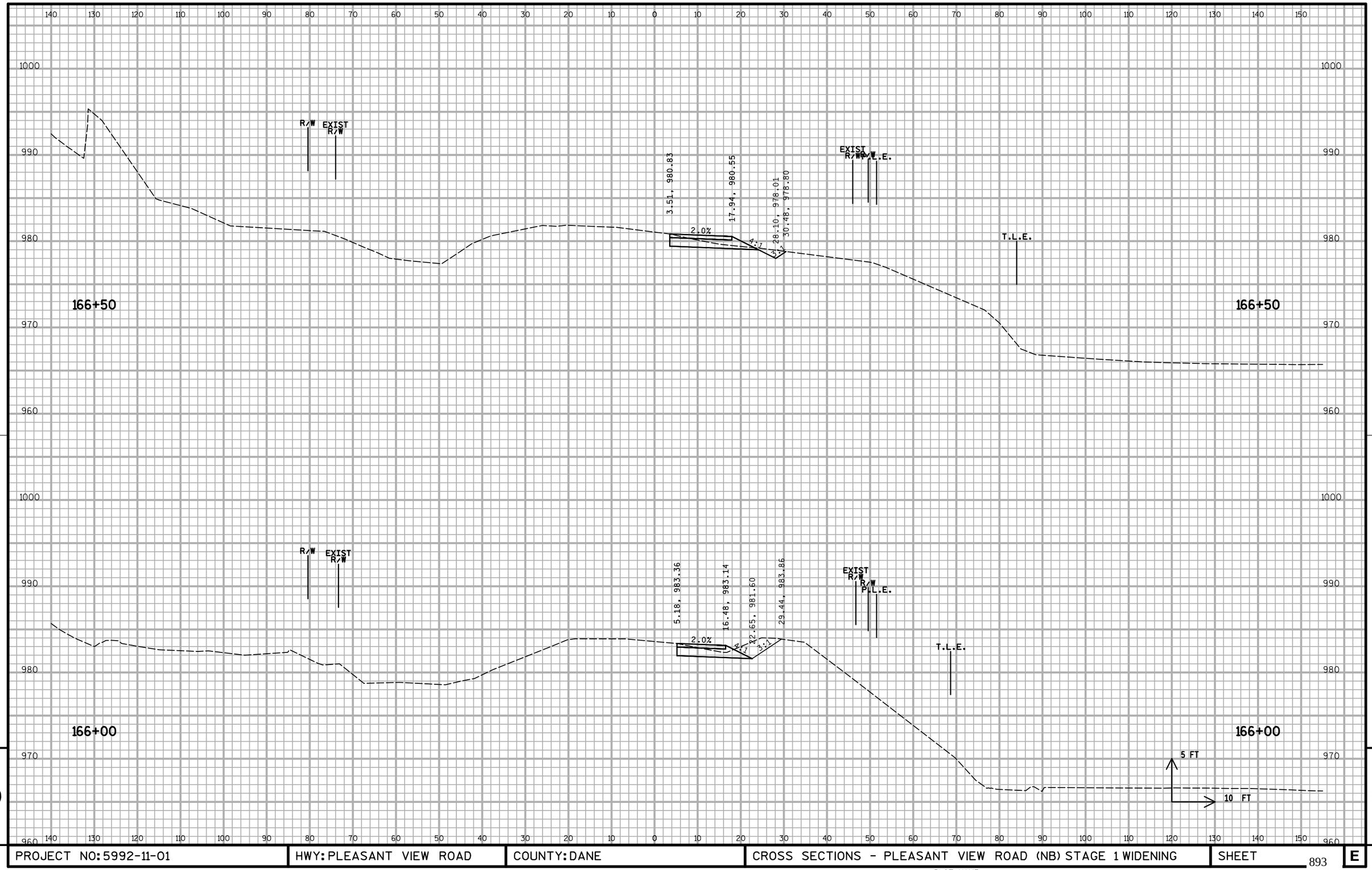
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 891	E



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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 892	E



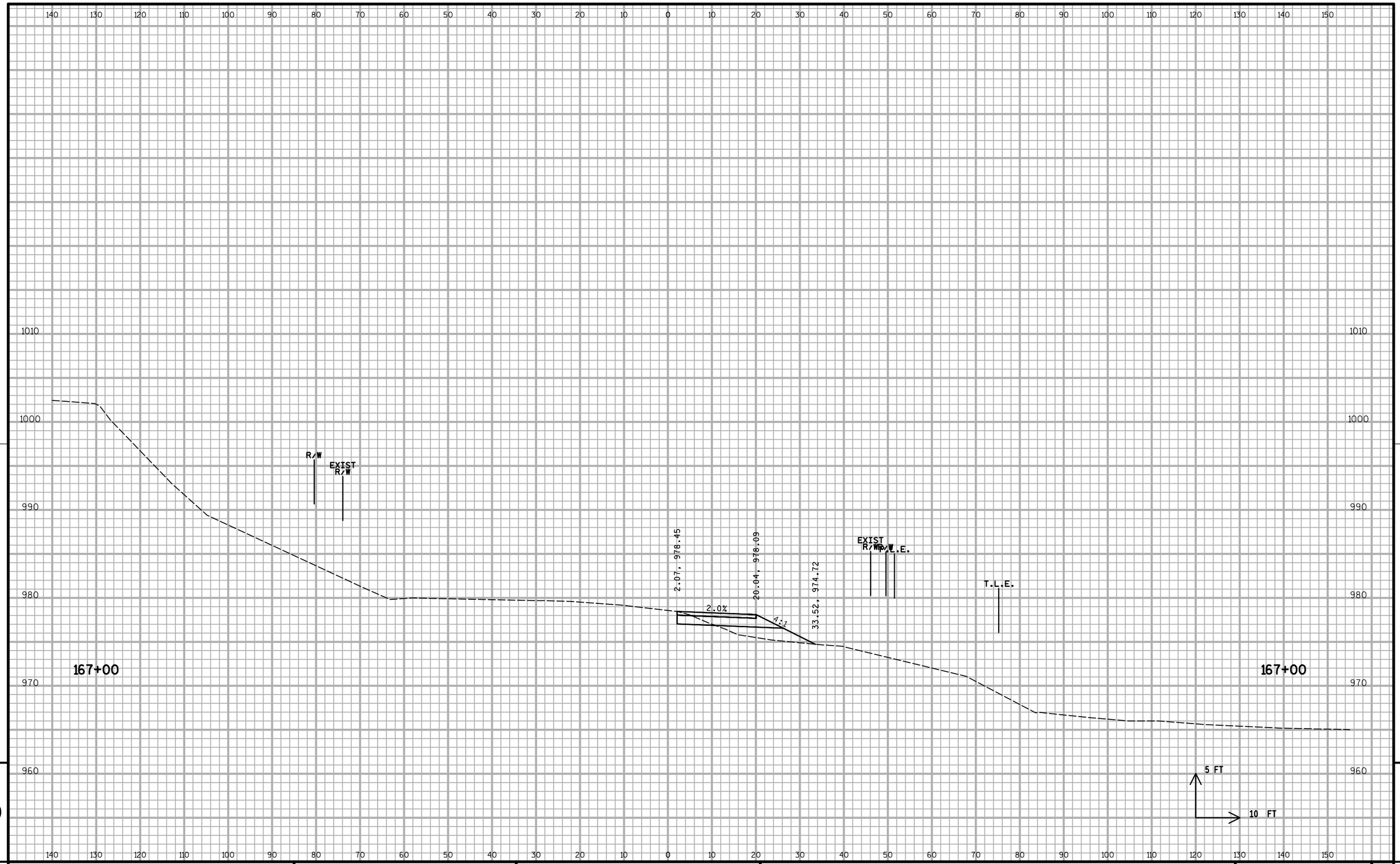
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 893	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

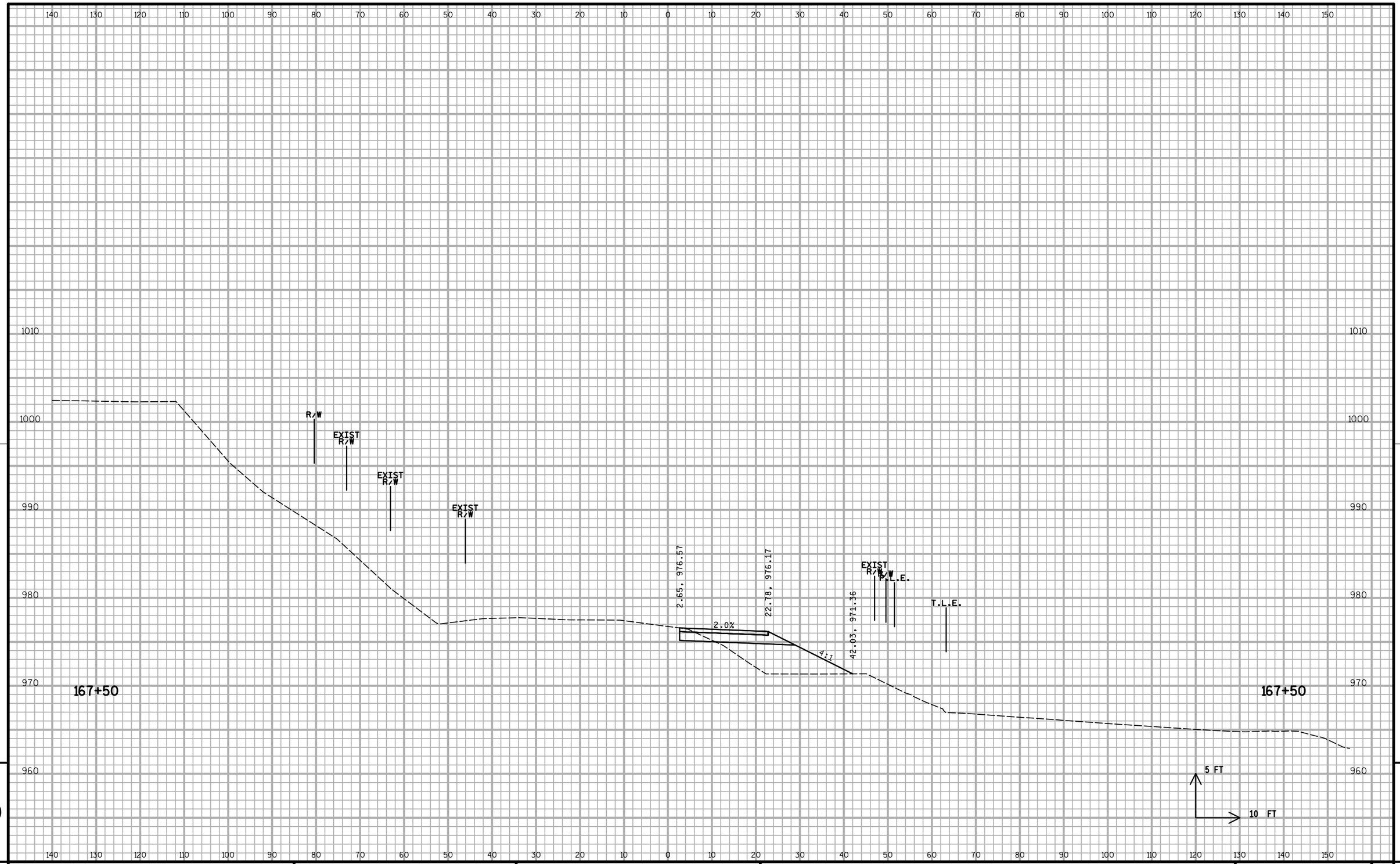


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 894	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



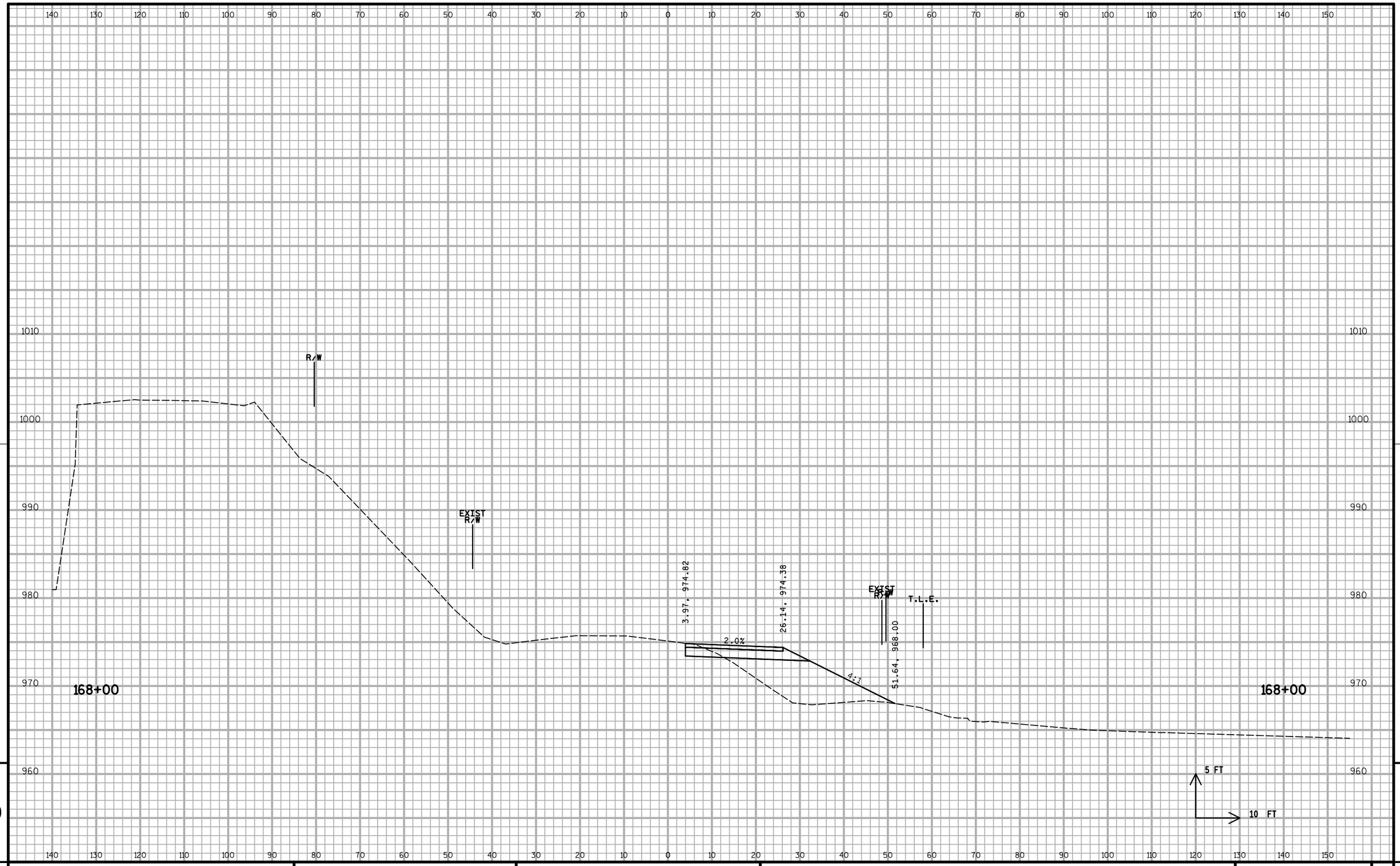
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 895	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 896	E

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

1010

1000

990

980

970

960

R/W

EXIST R/W

6.08, 972.88

28.88, 972.43

EXIST R/W

T.L.E.

53.24, 966.33

2.0%

4:1

168+50

168+50

5 FT

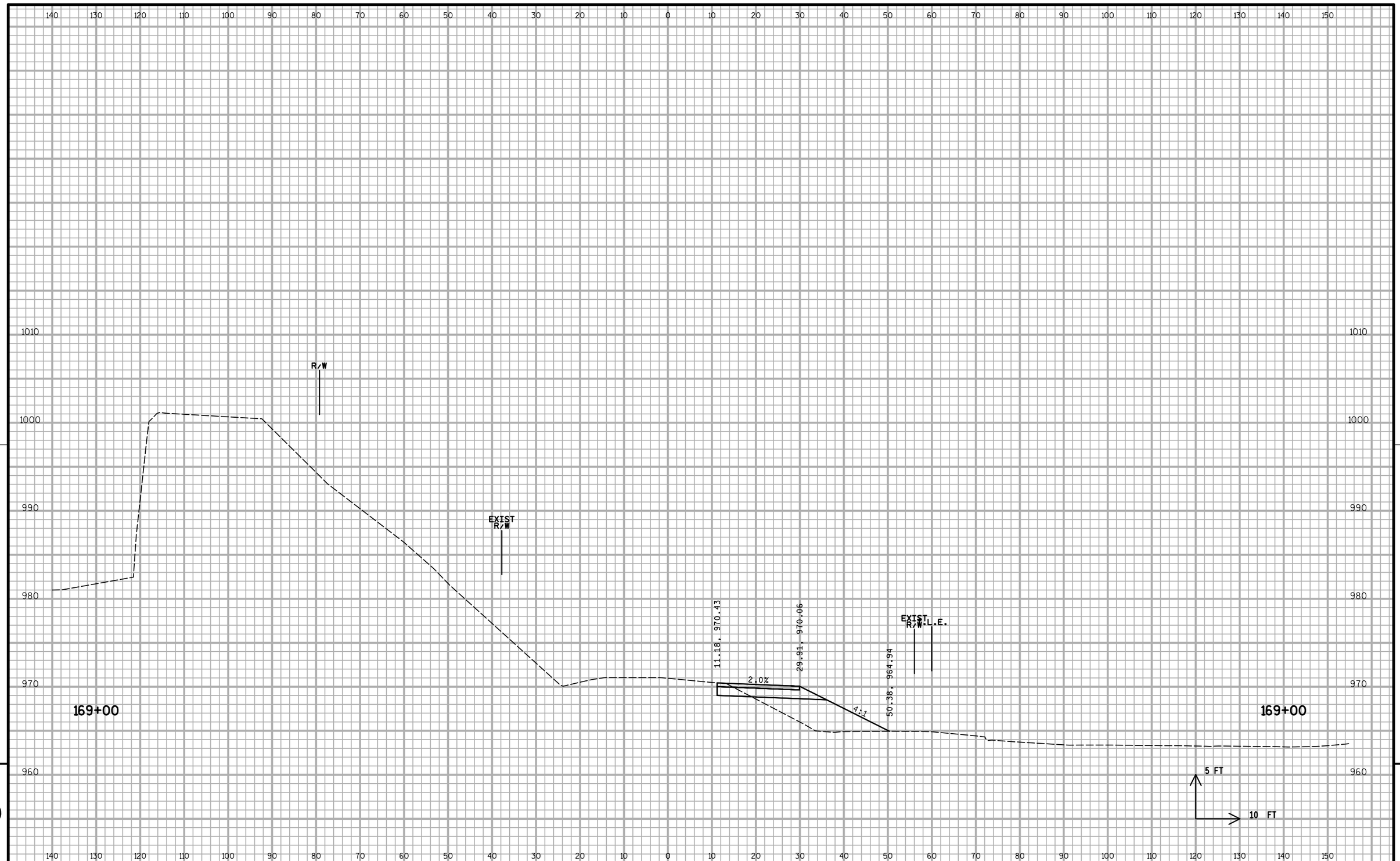
10 FT

9

9

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 897	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

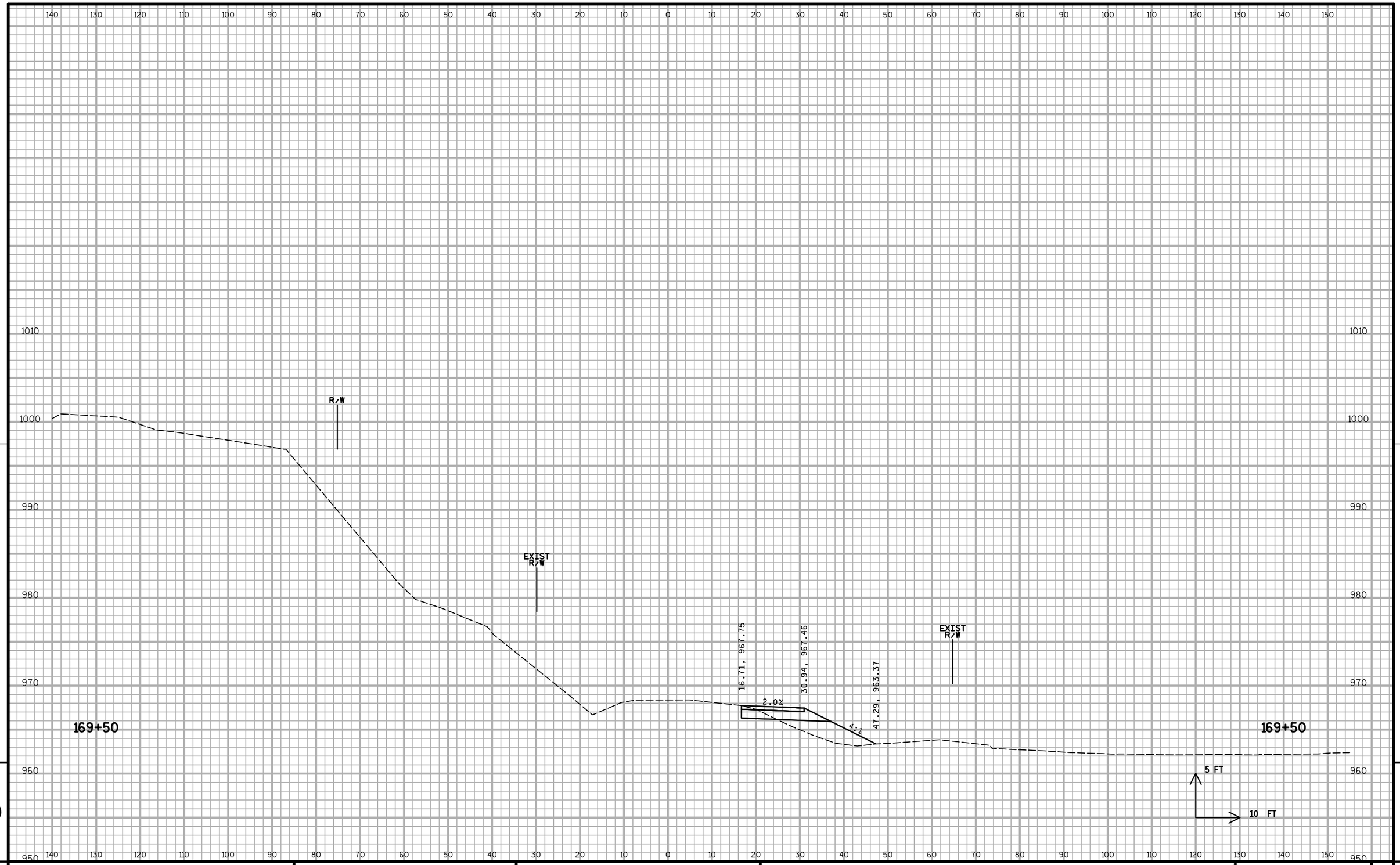


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 898	E

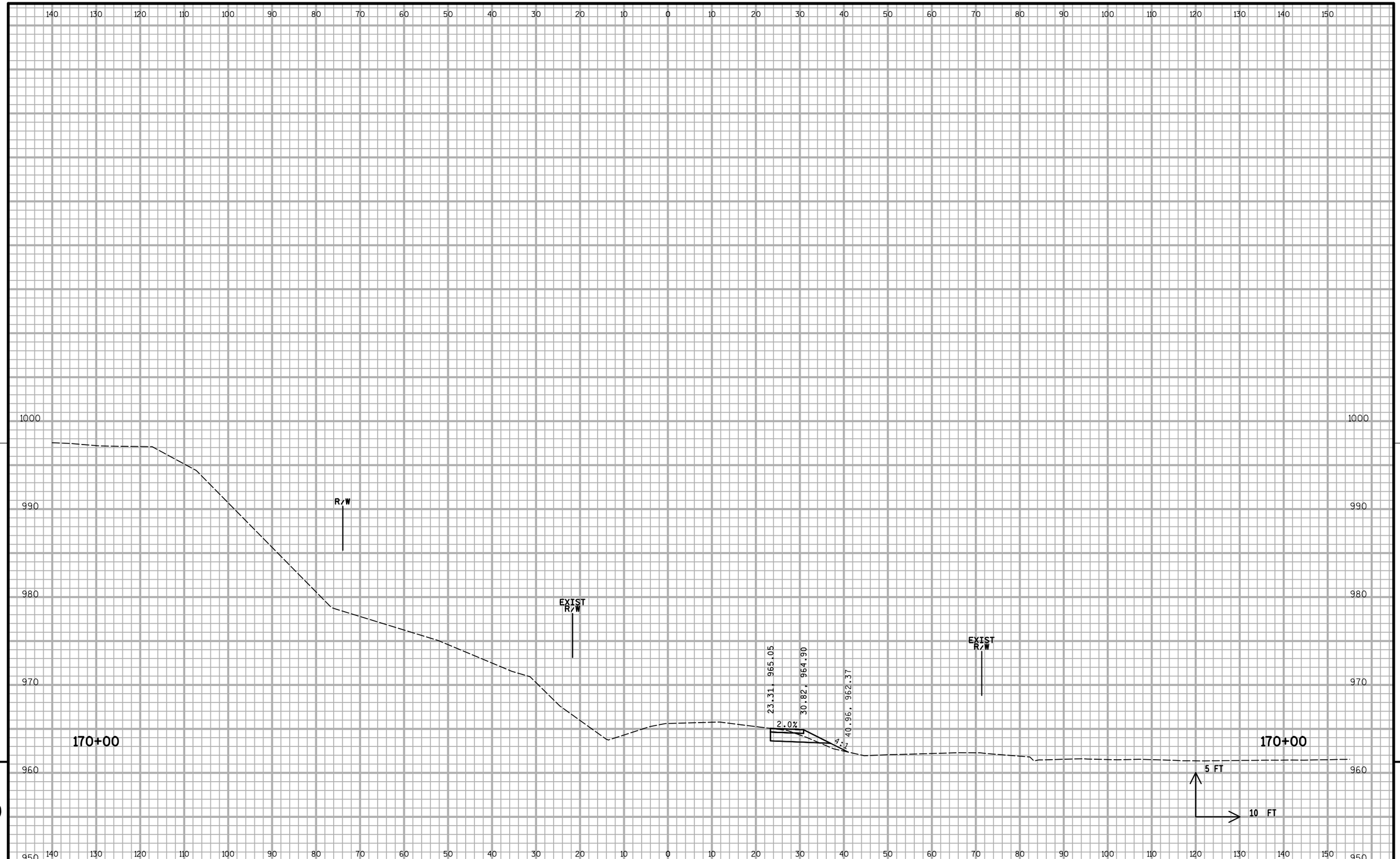
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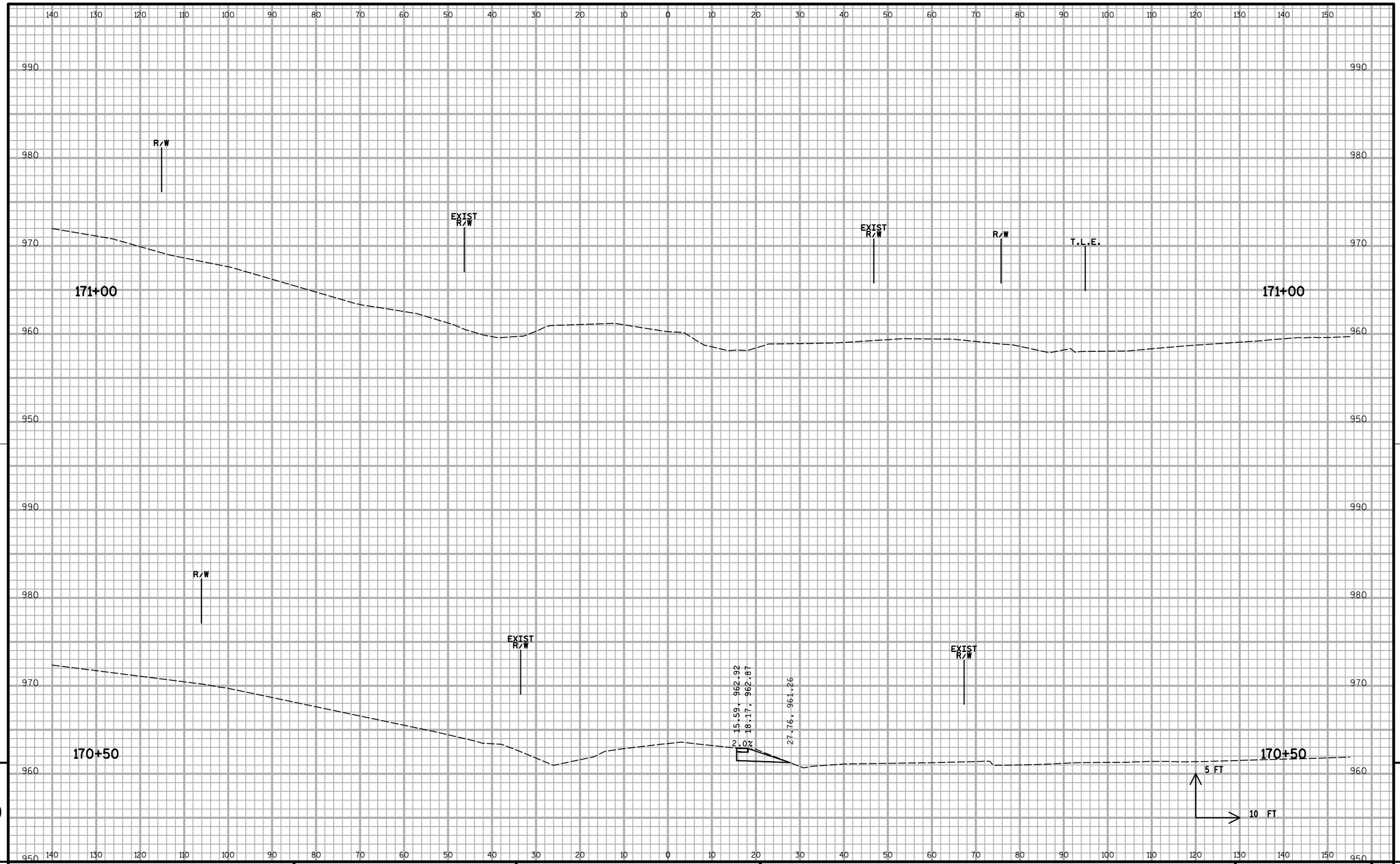
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 899	E



9	PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 900 E	9



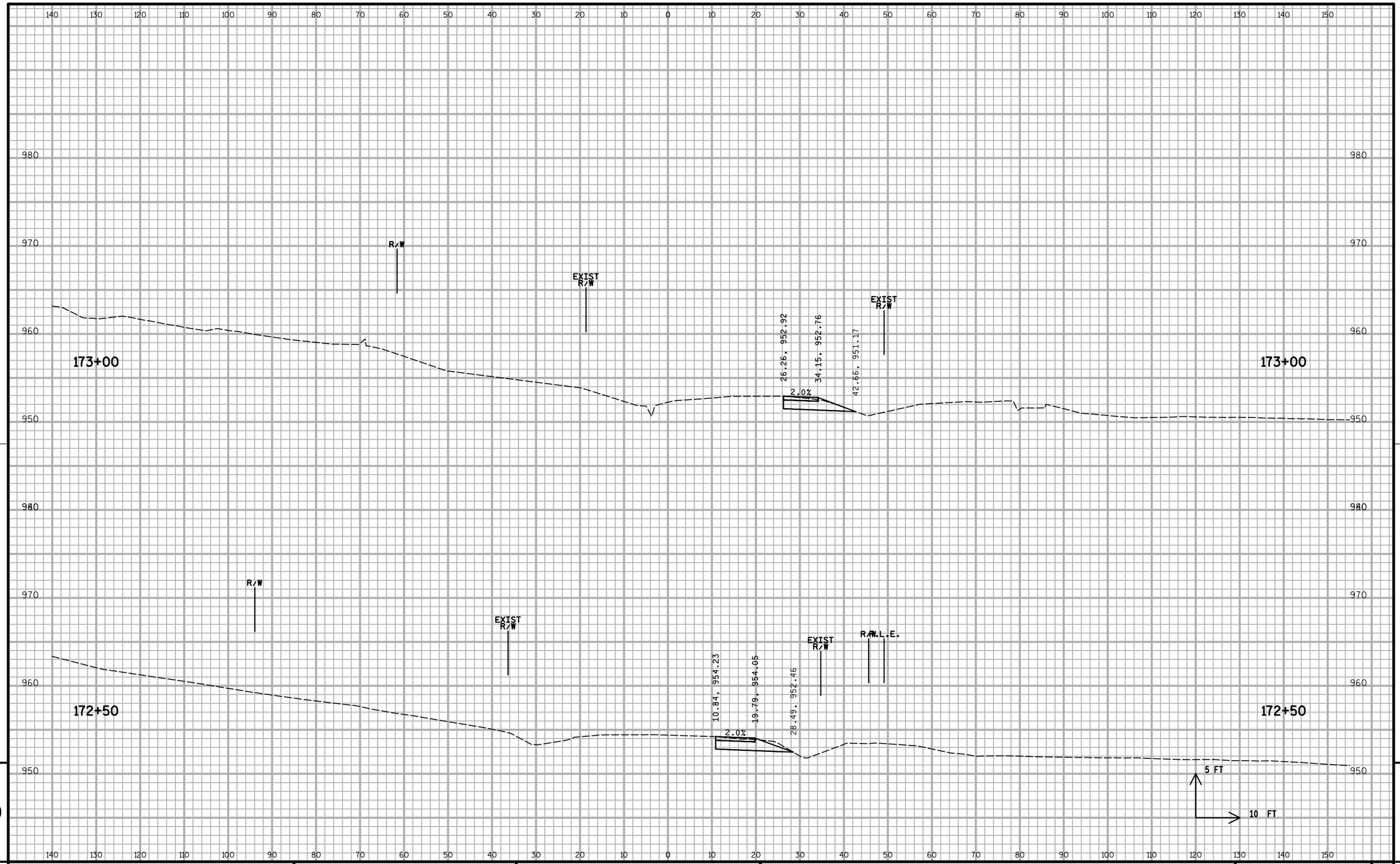
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 901	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



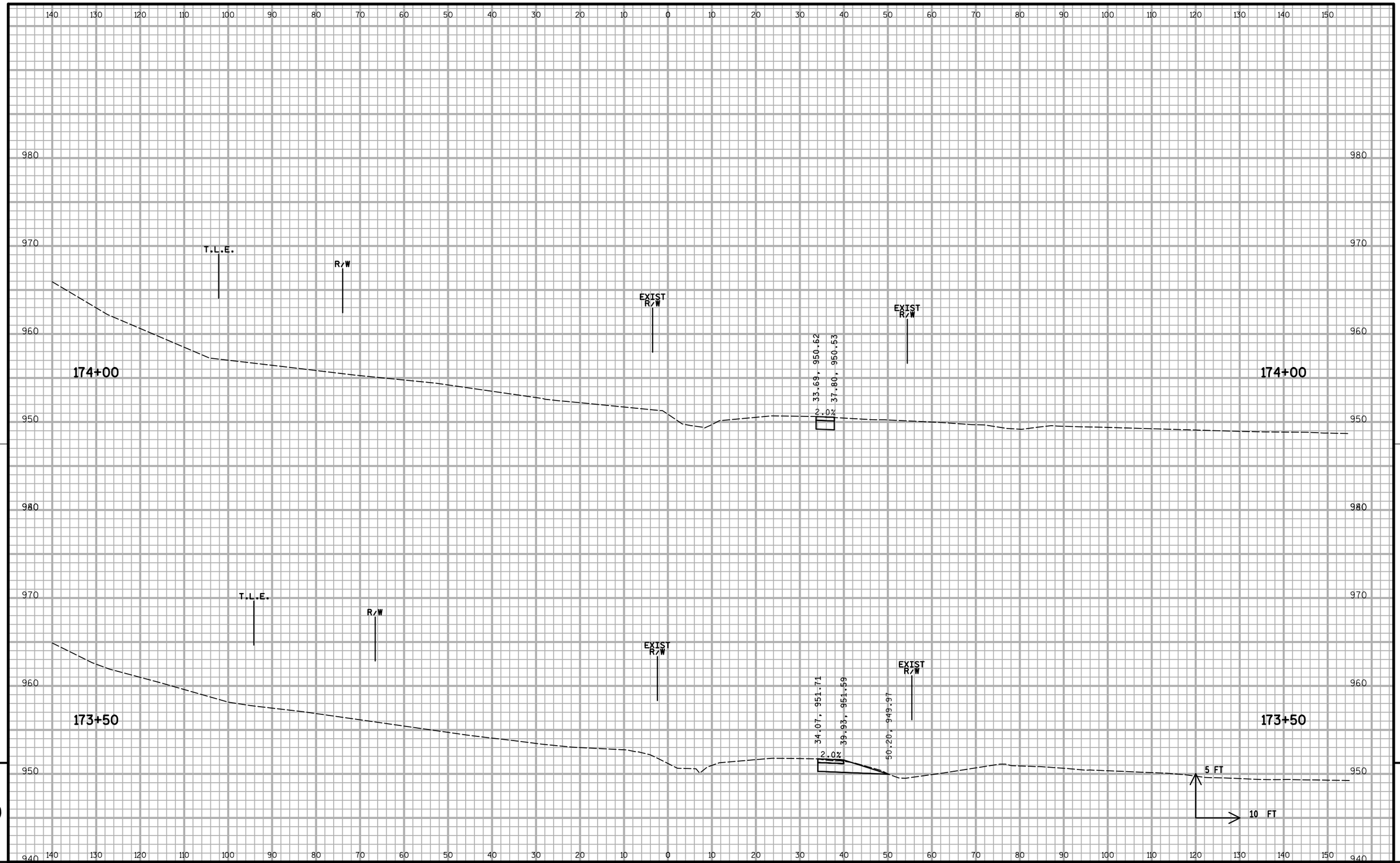
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

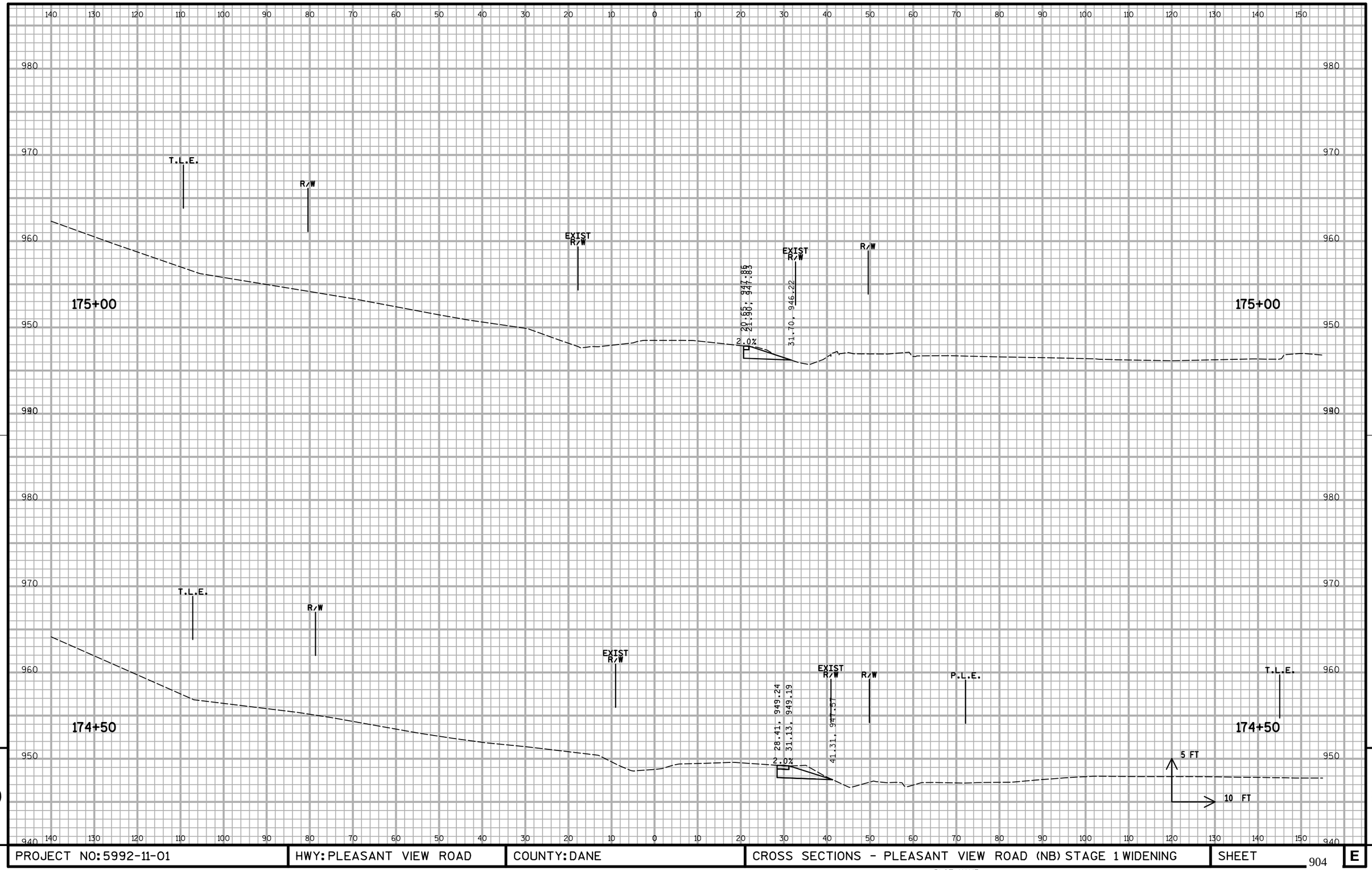
WISDOT/CADDS SHEET 21



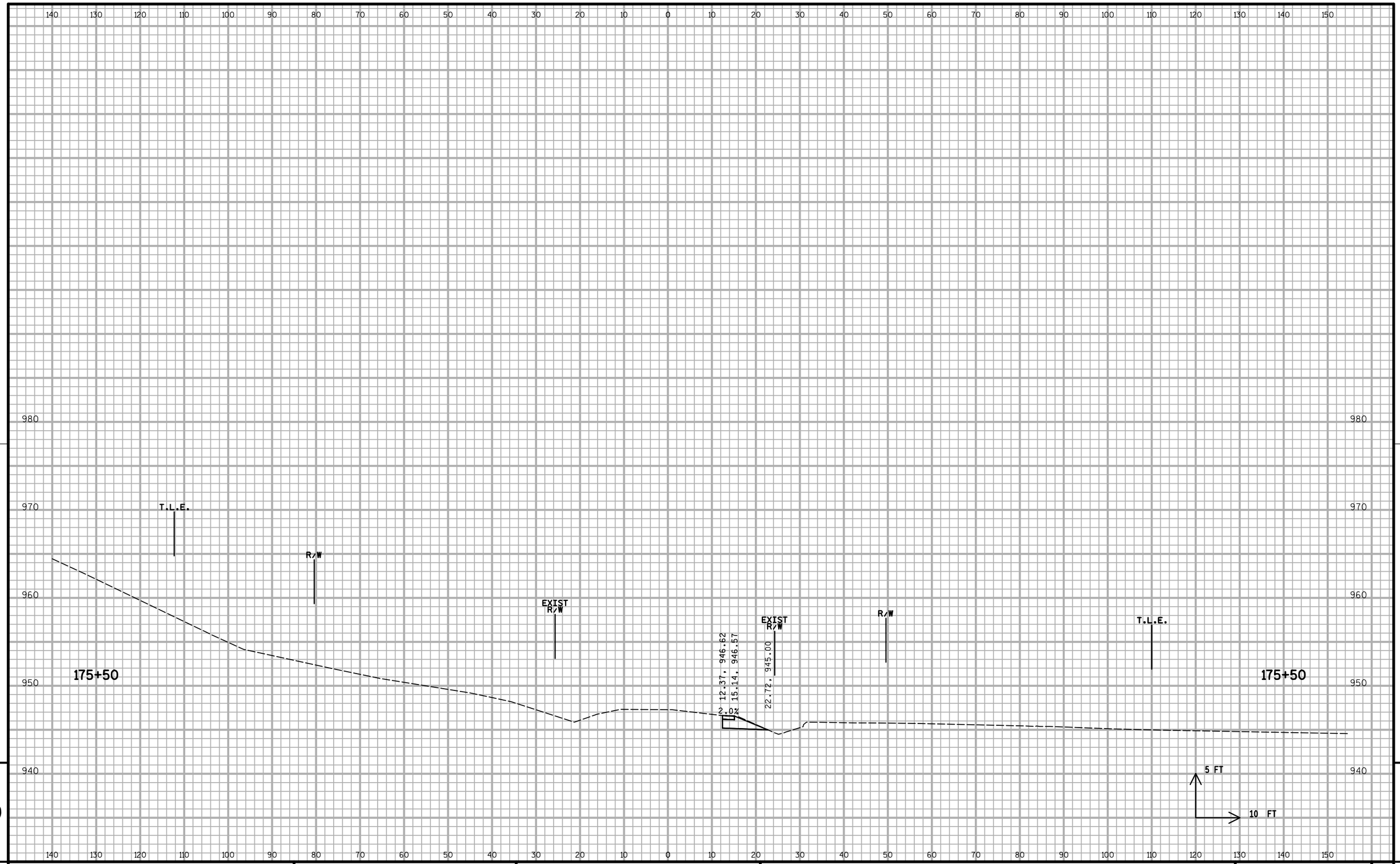
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FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 904	E

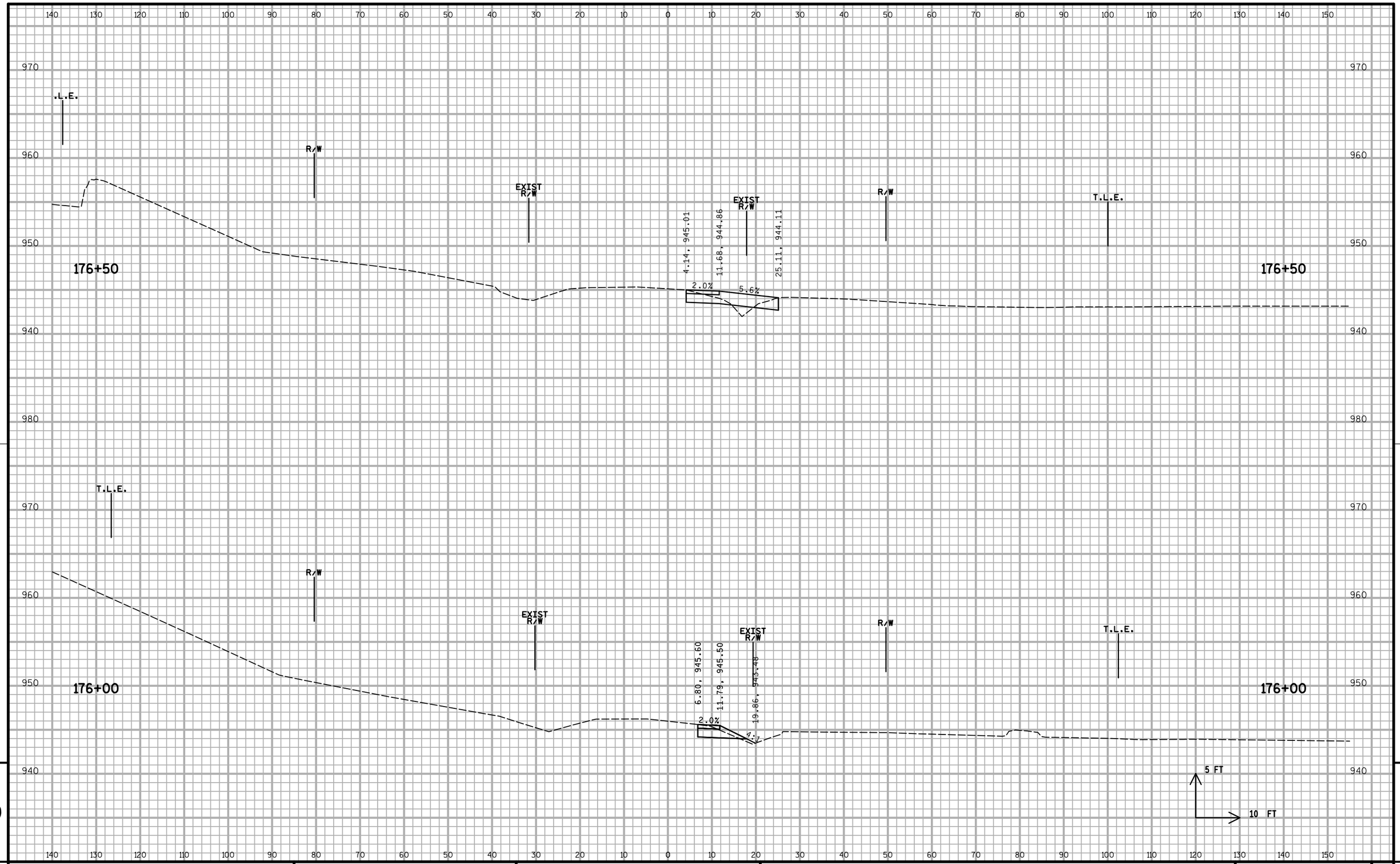


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 905	E

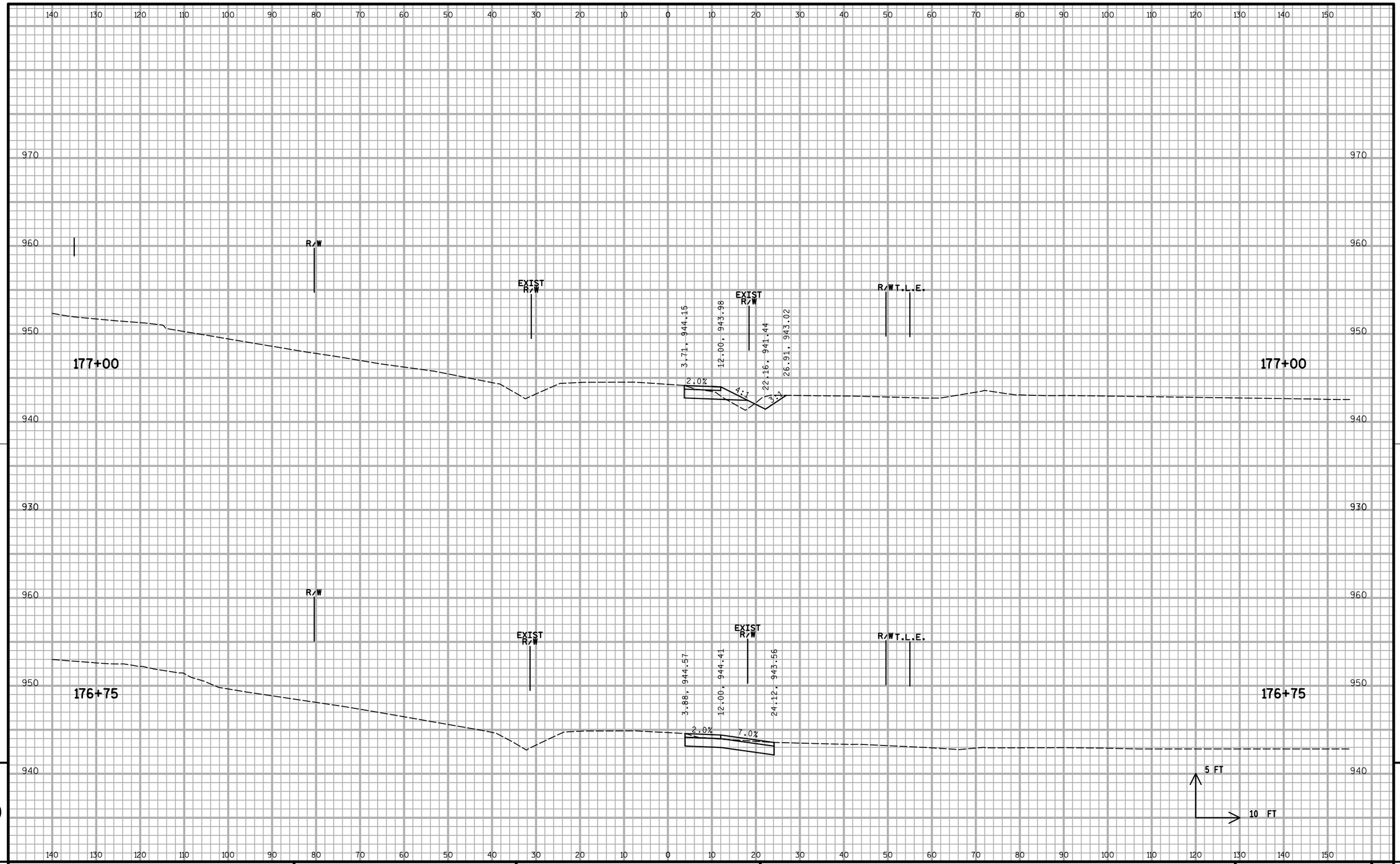
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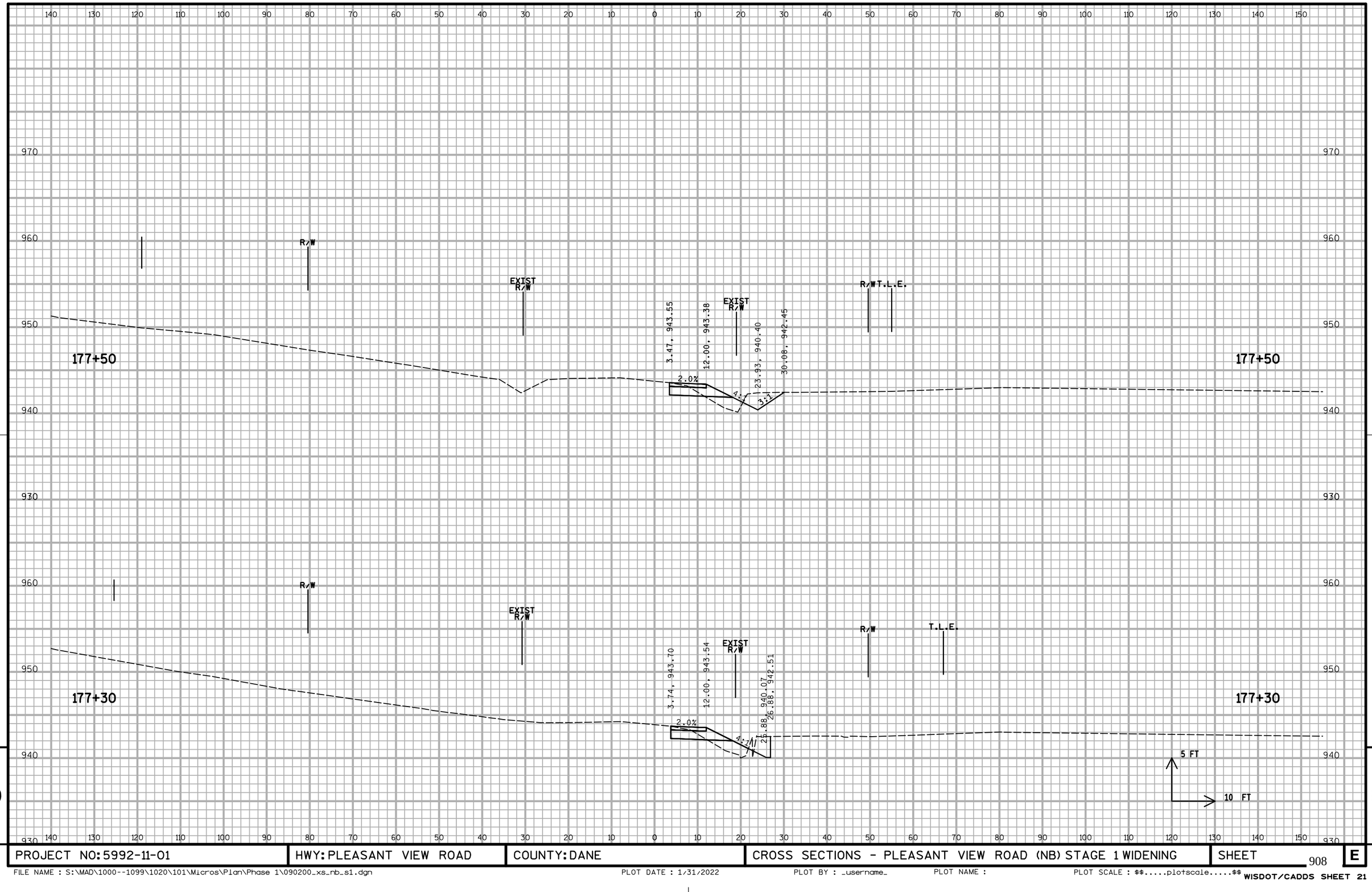
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 906	E



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 907	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



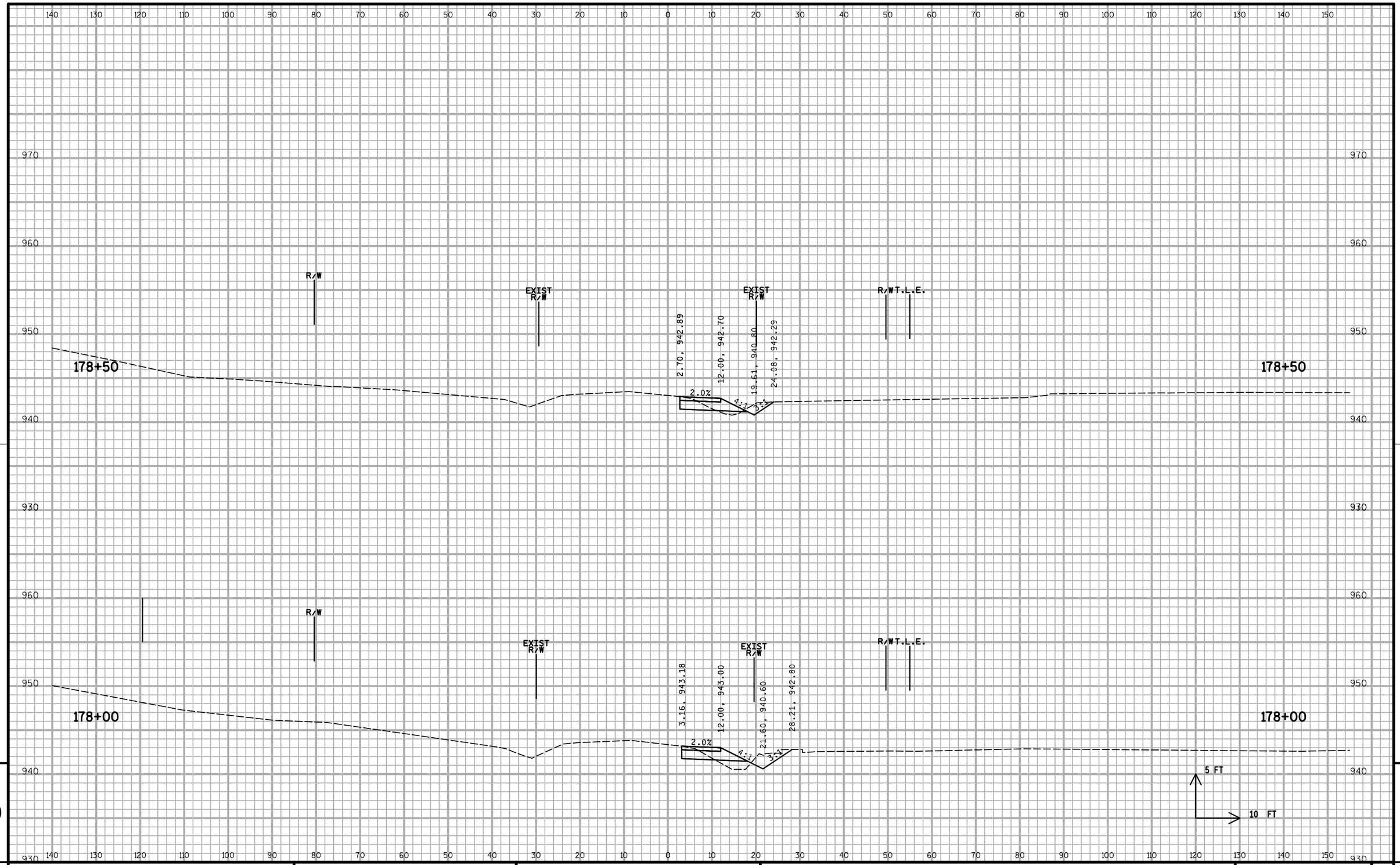
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 908	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



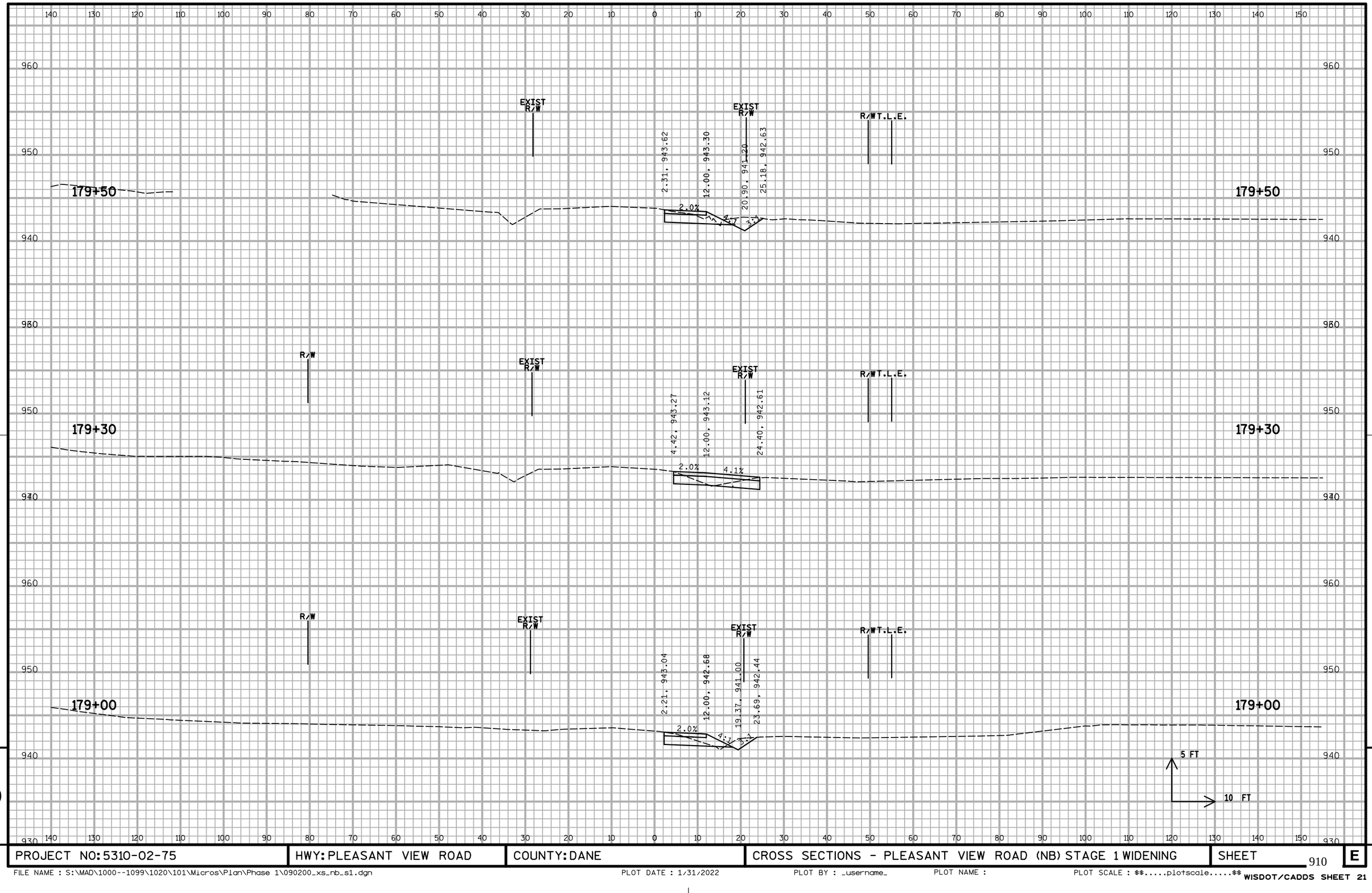
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PROJECT NO: 5310-02-75	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 909	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

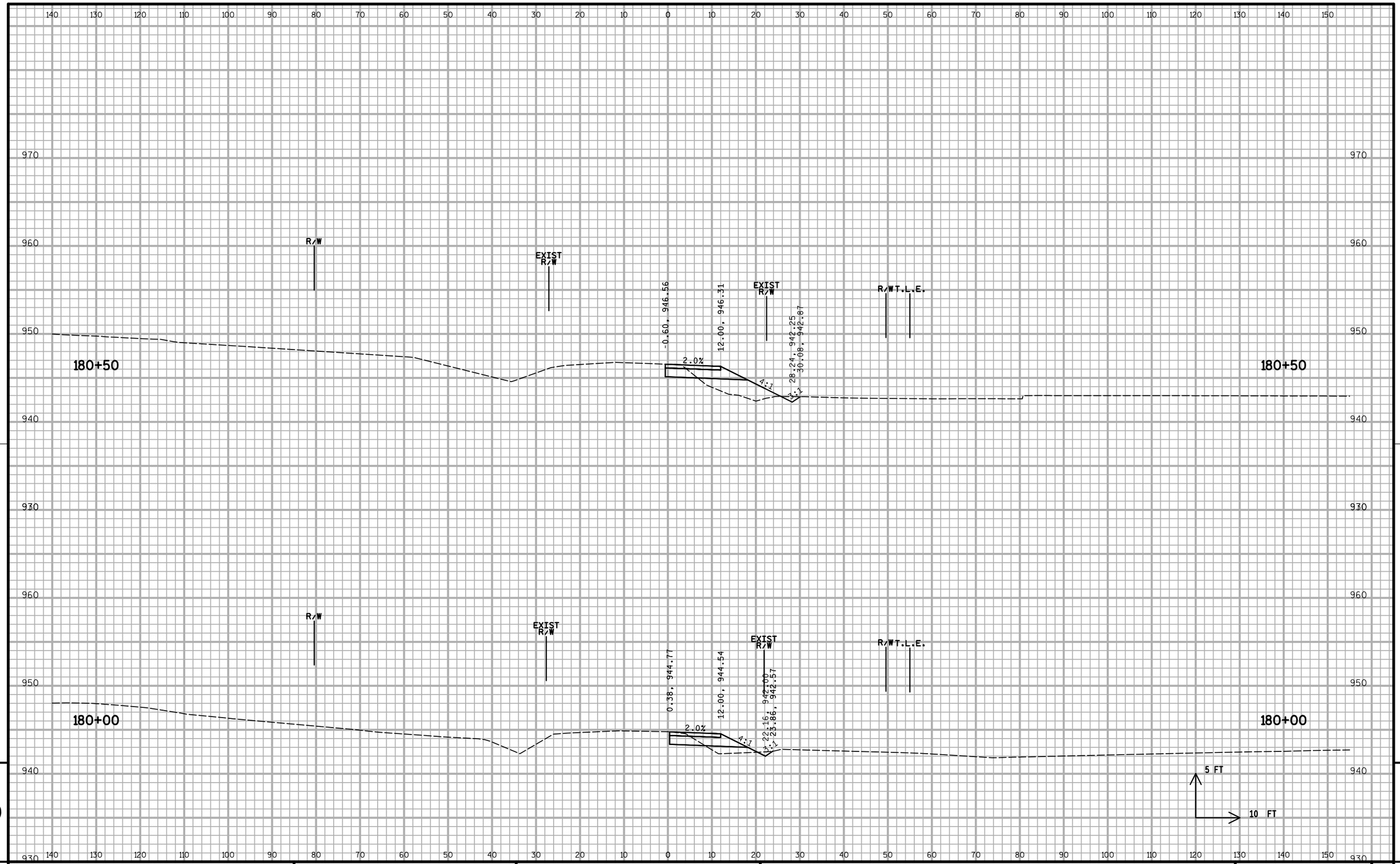


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PROJECT NO: 5310-02-75	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 910	E

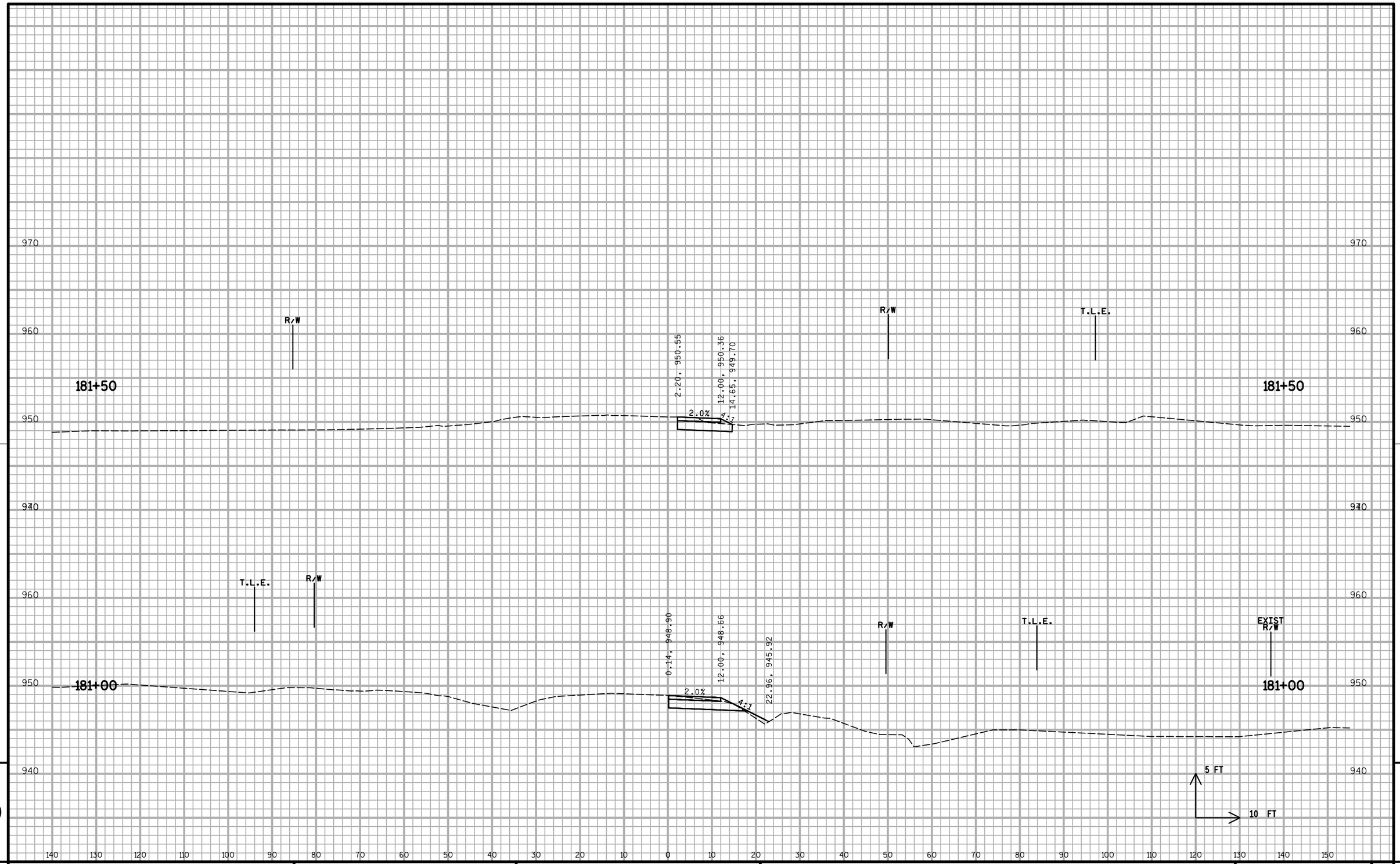
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9

PROJECT NO: 5310-02-75	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET 911	E



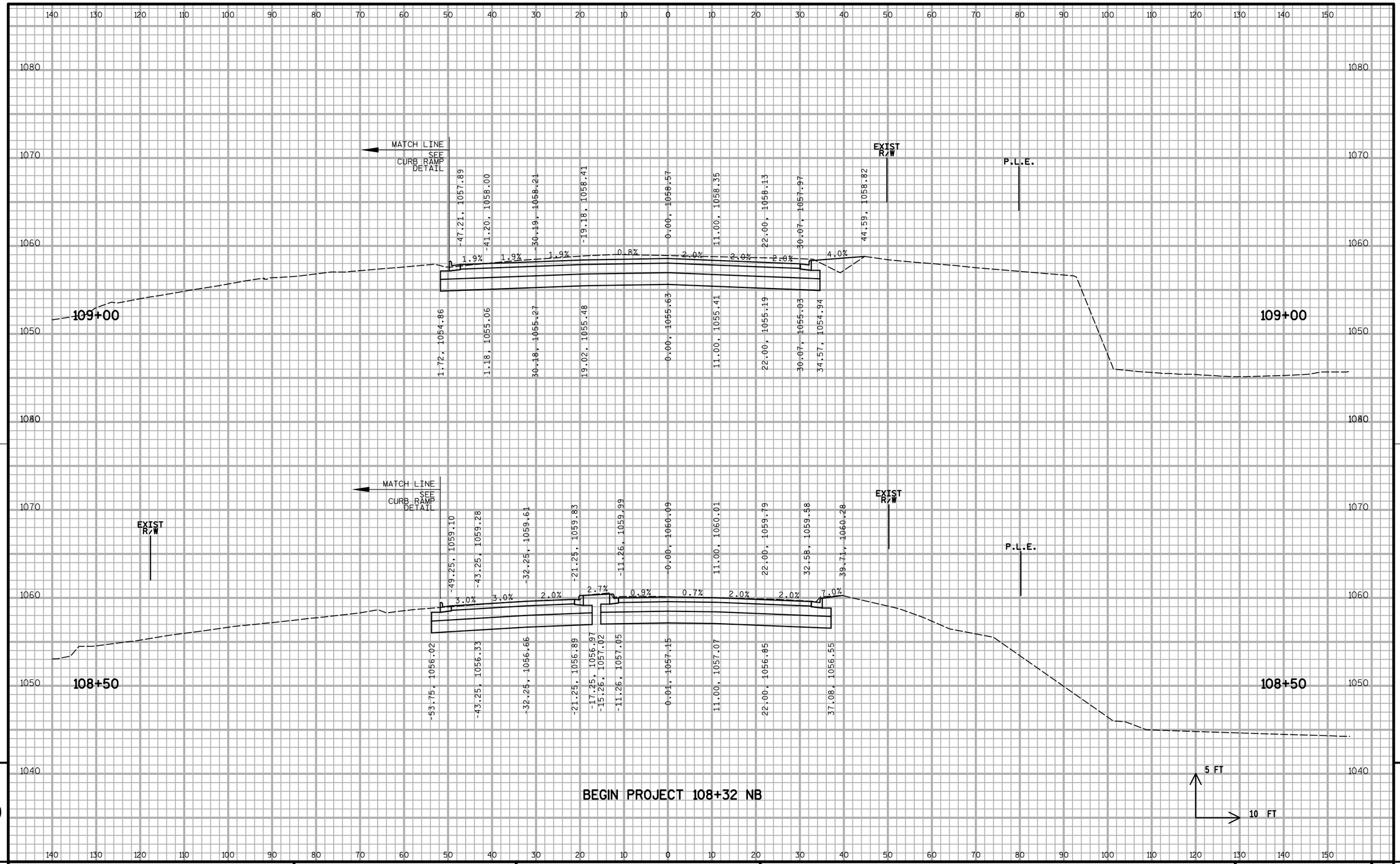
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PROJECT NO: 5310-02-75	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB) STAGE 1 WIDENING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090200_xs_nb_s1.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

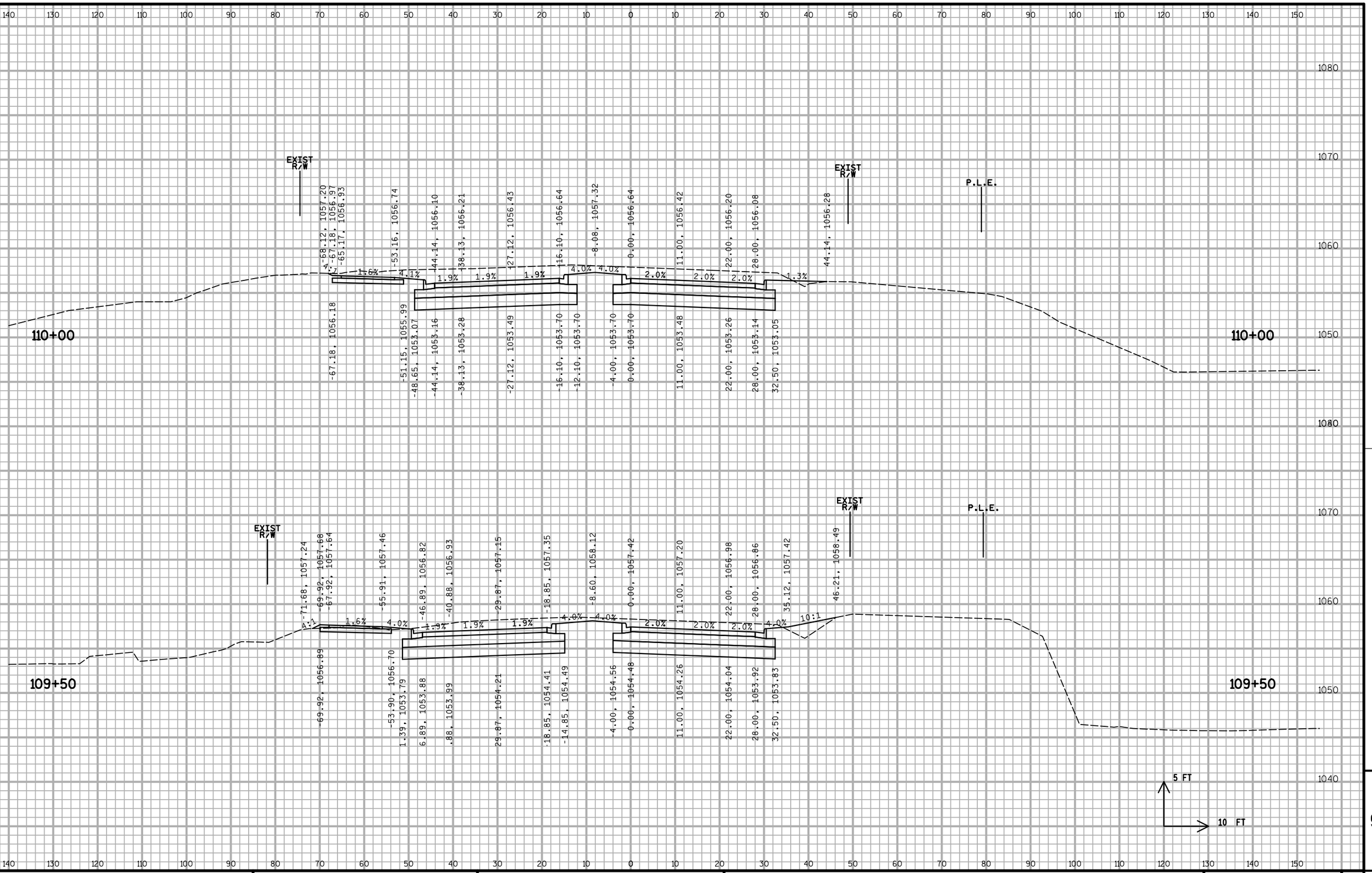


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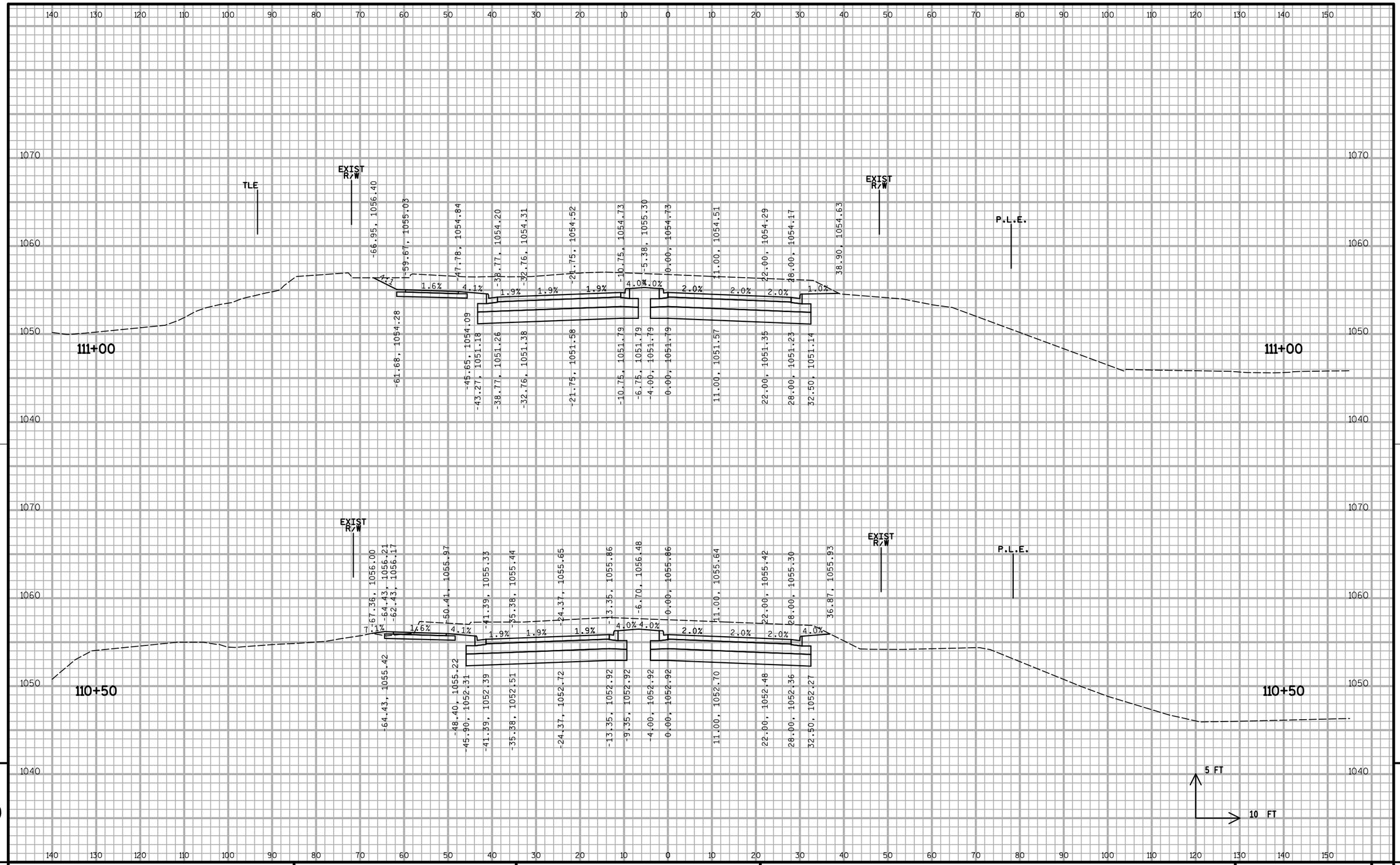
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 913	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 914	E

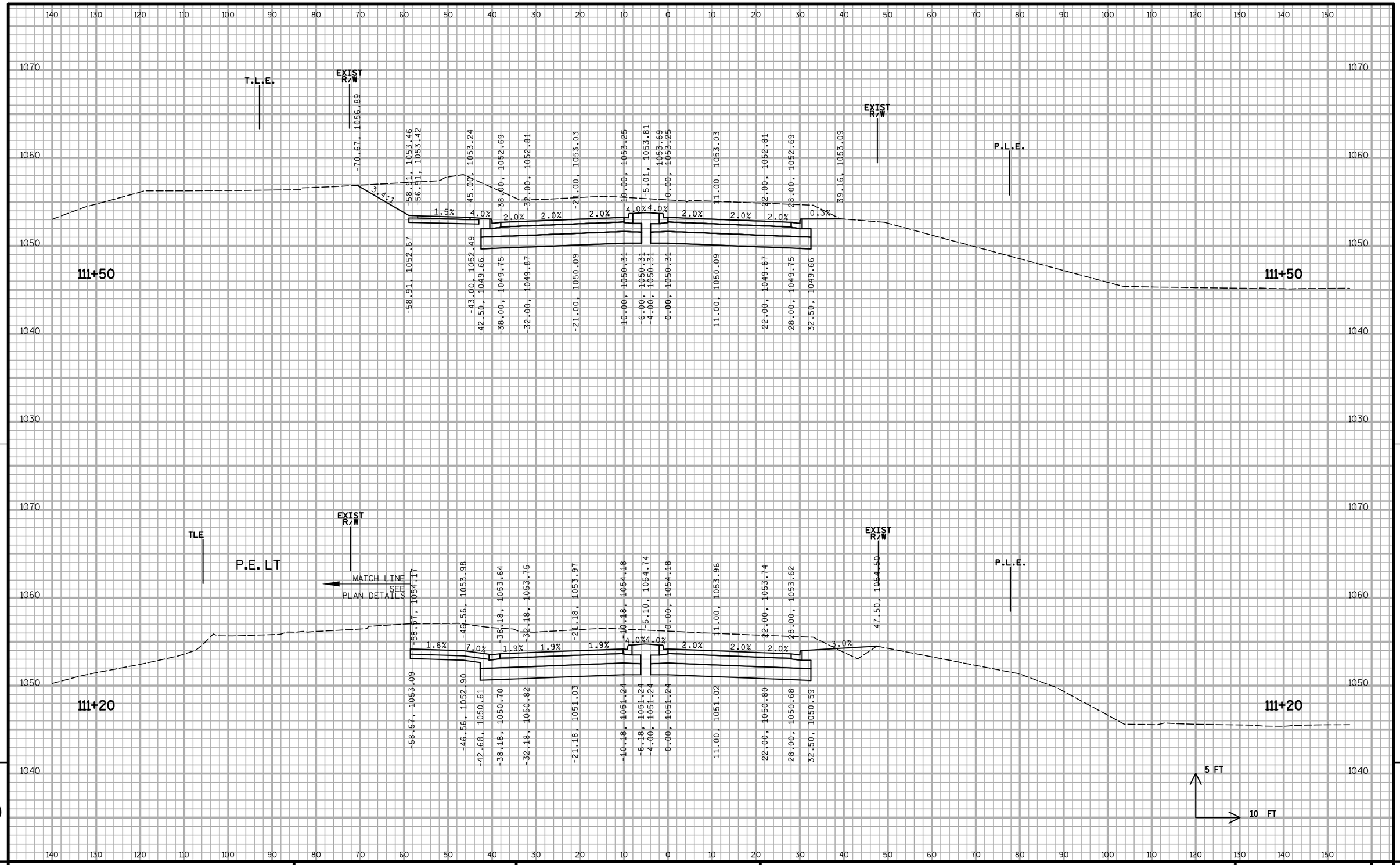
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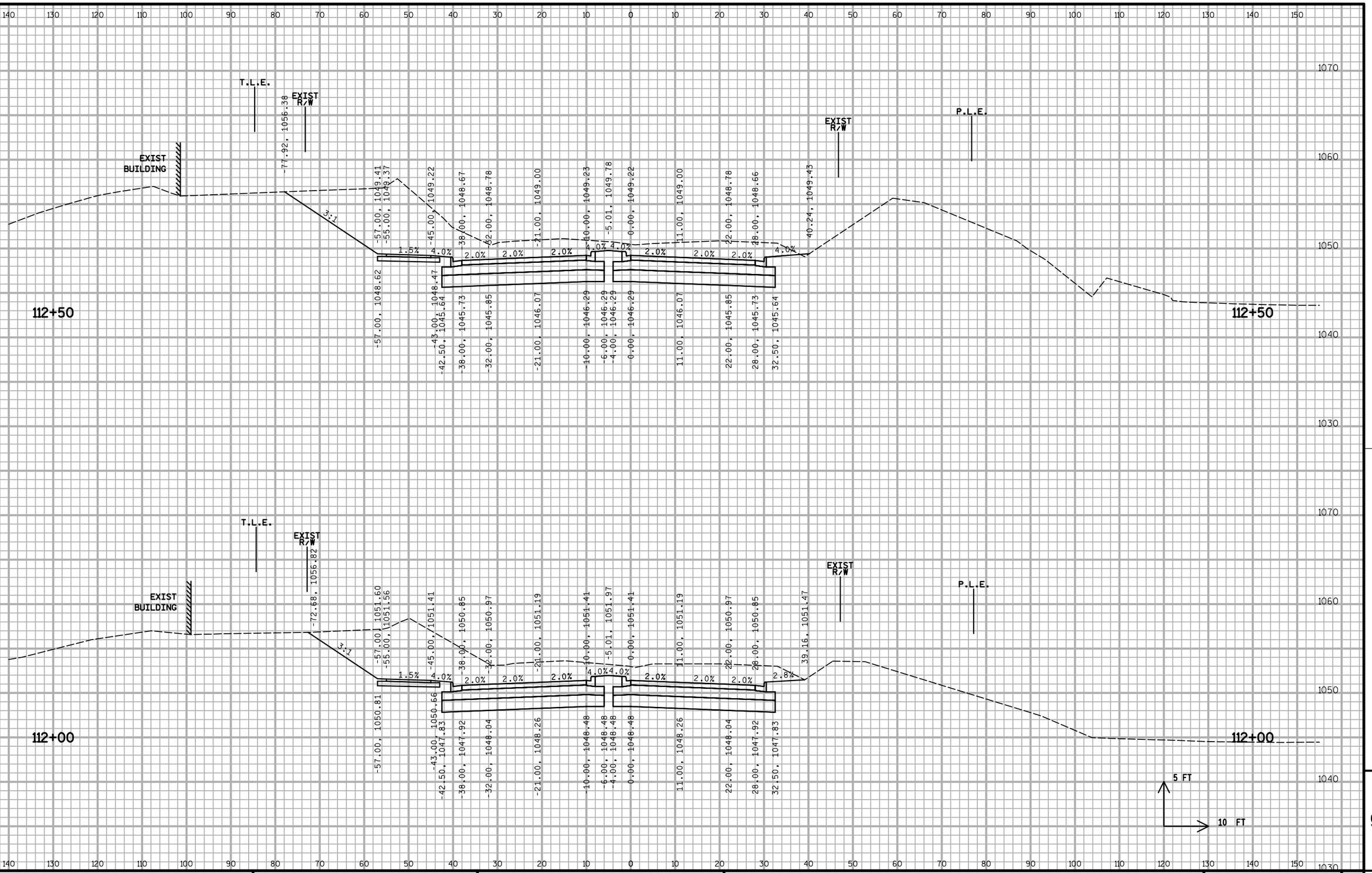
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 915	E

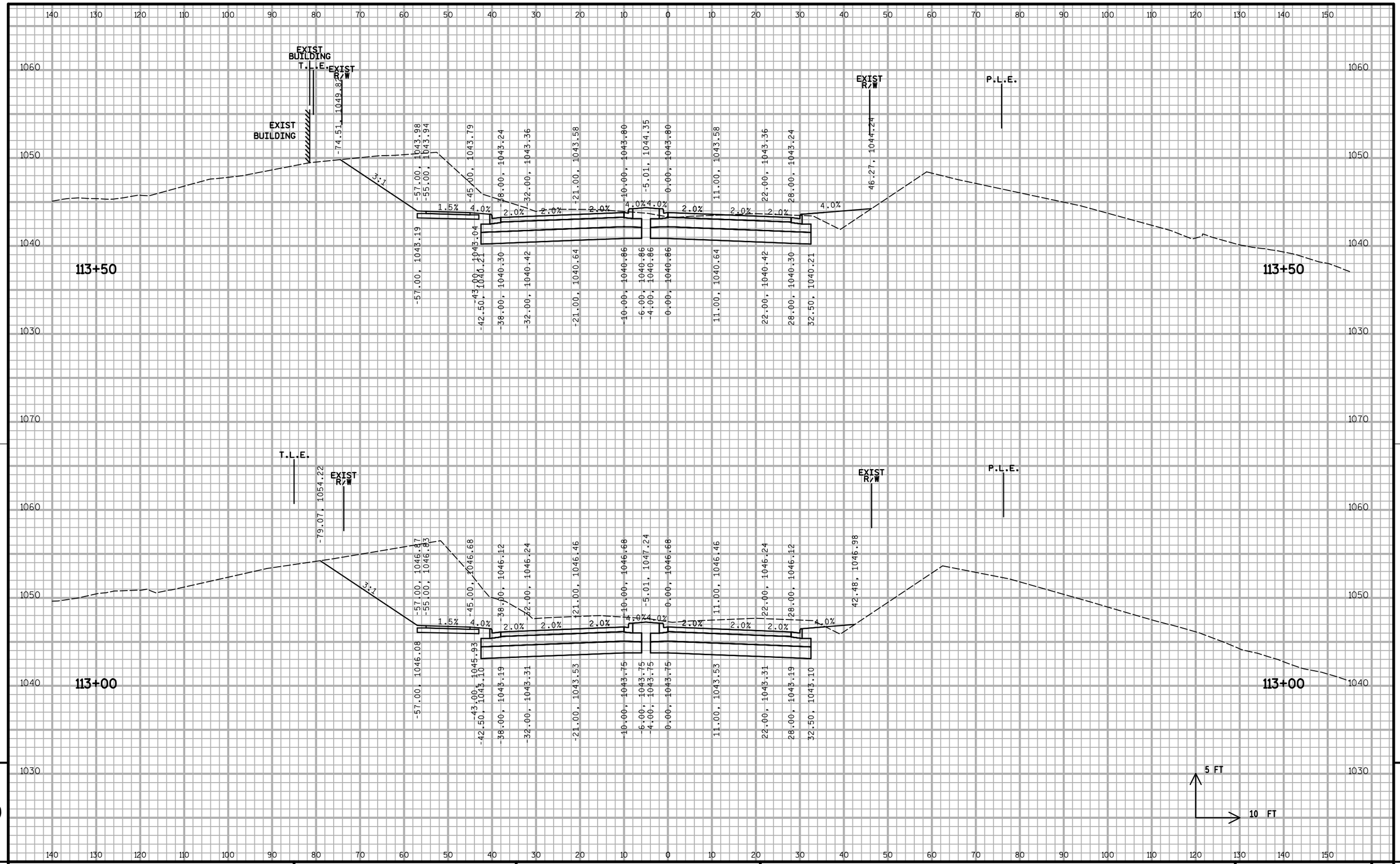


PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 916	E



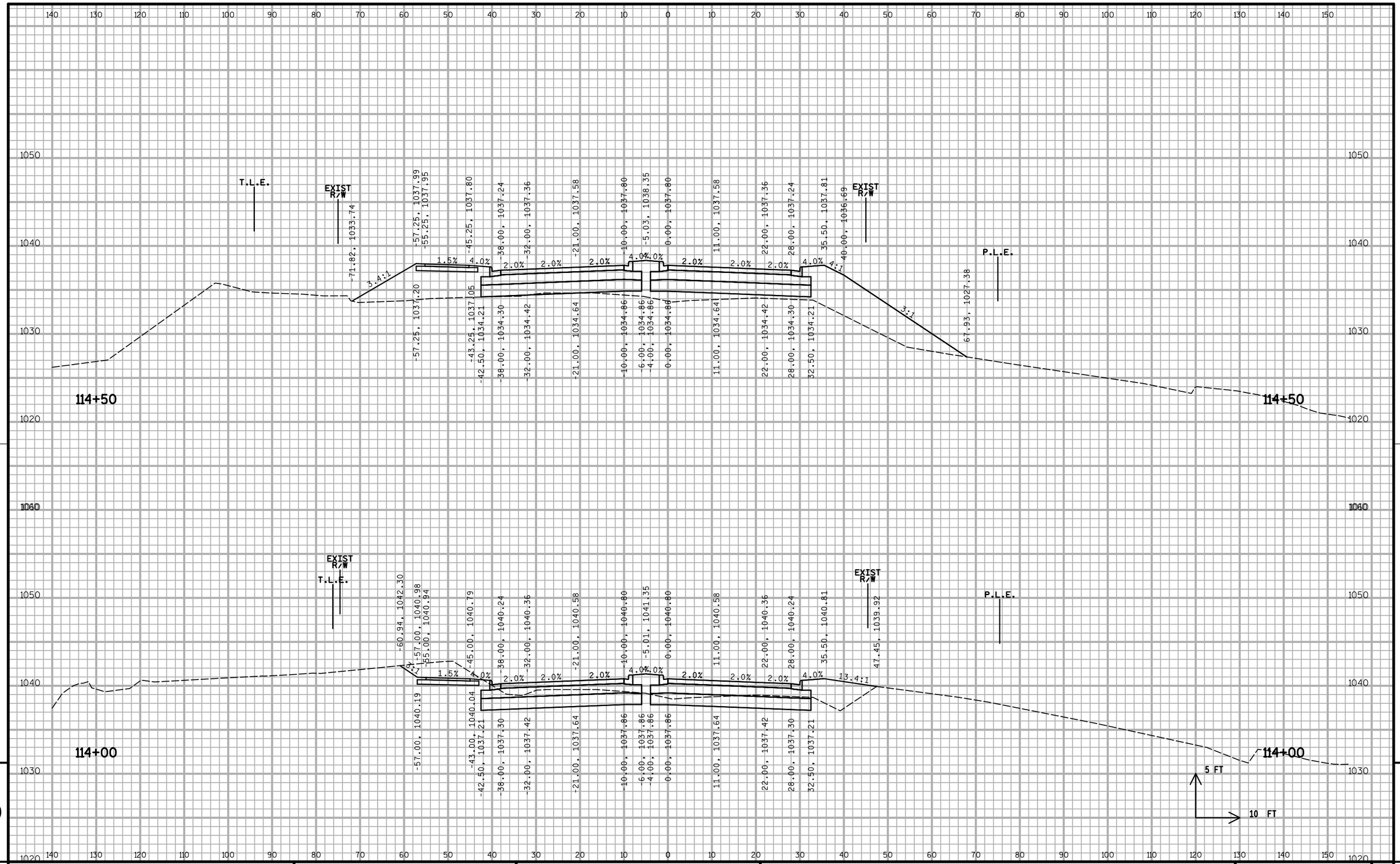
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



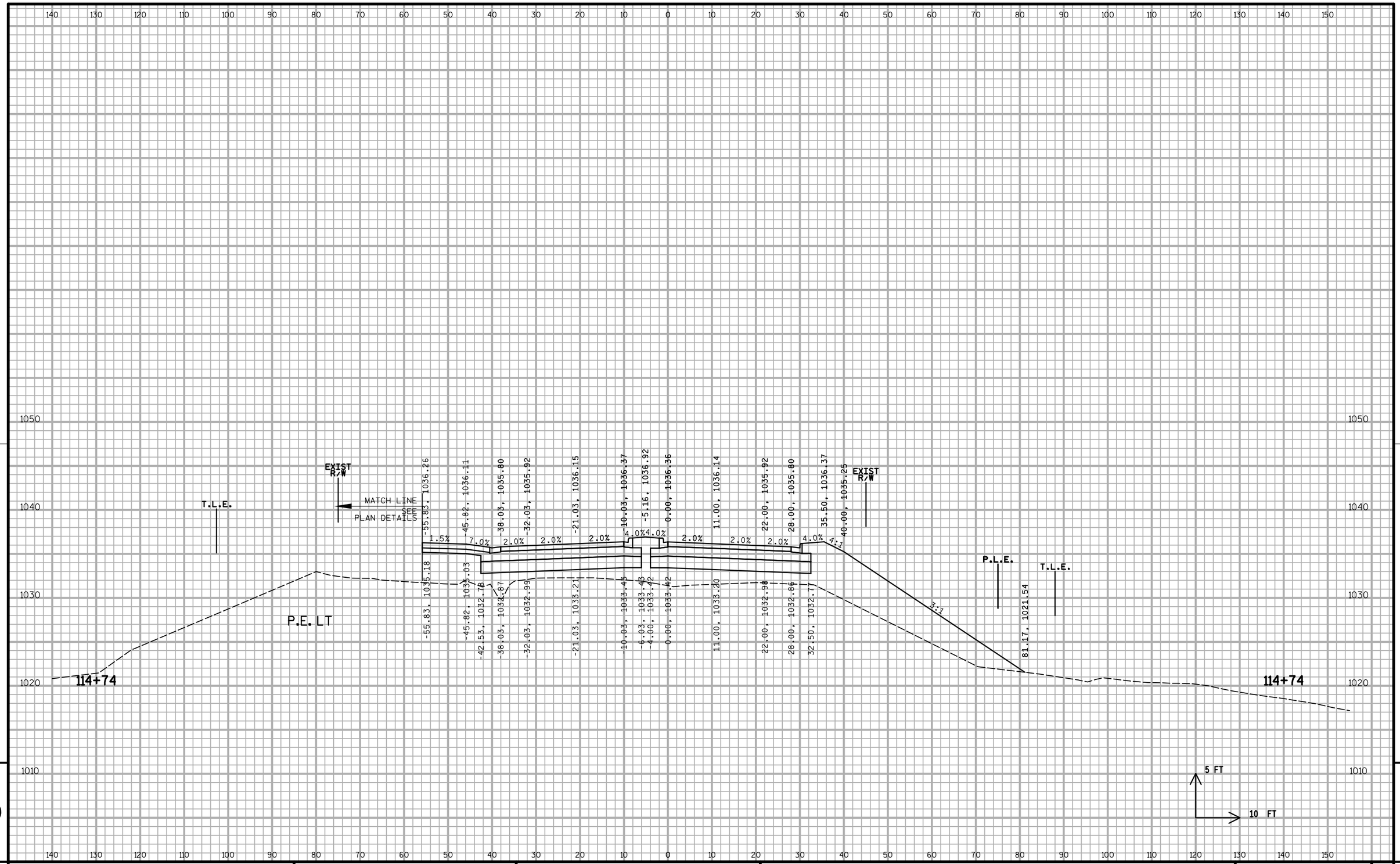
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 918	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



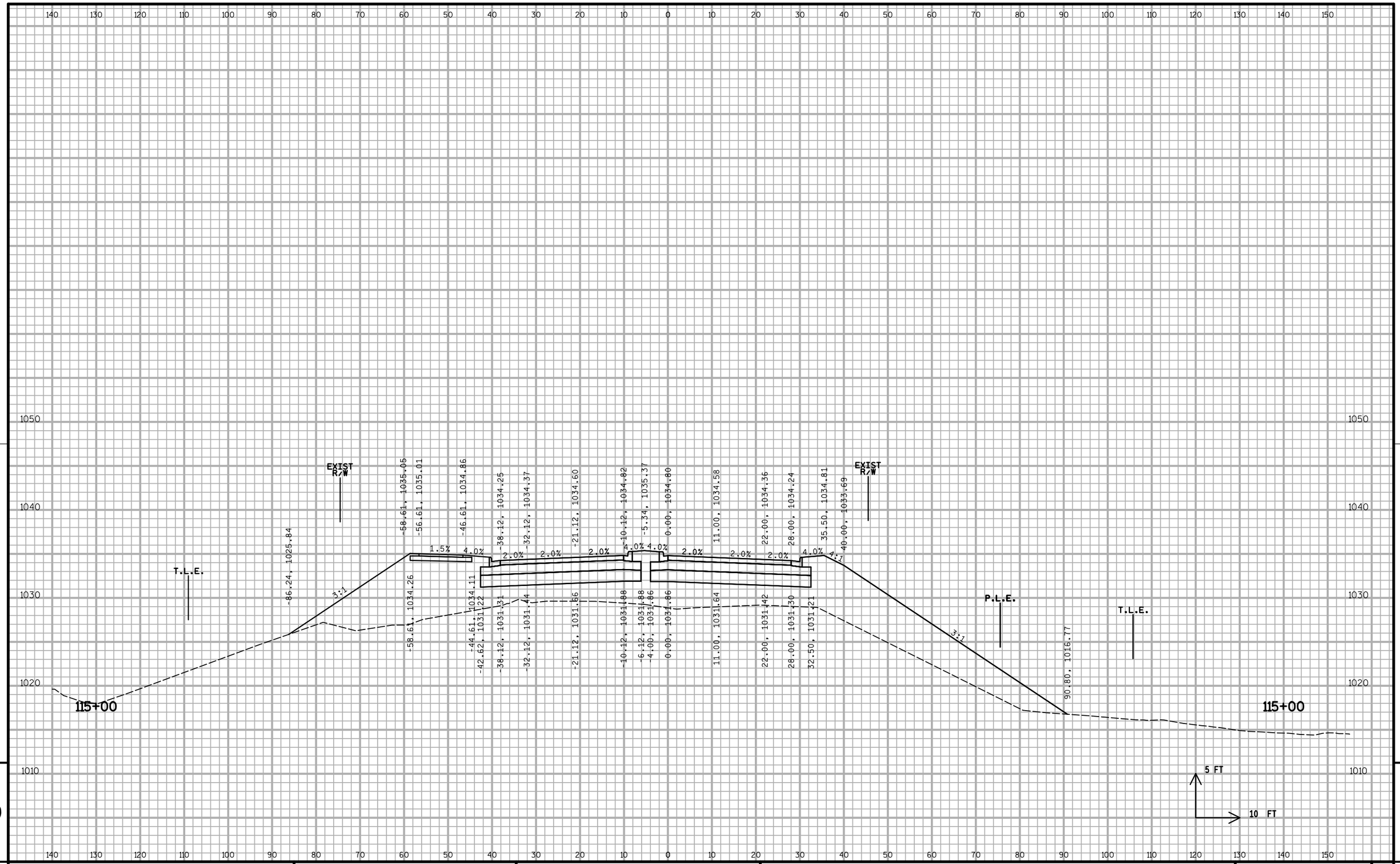
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 919	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



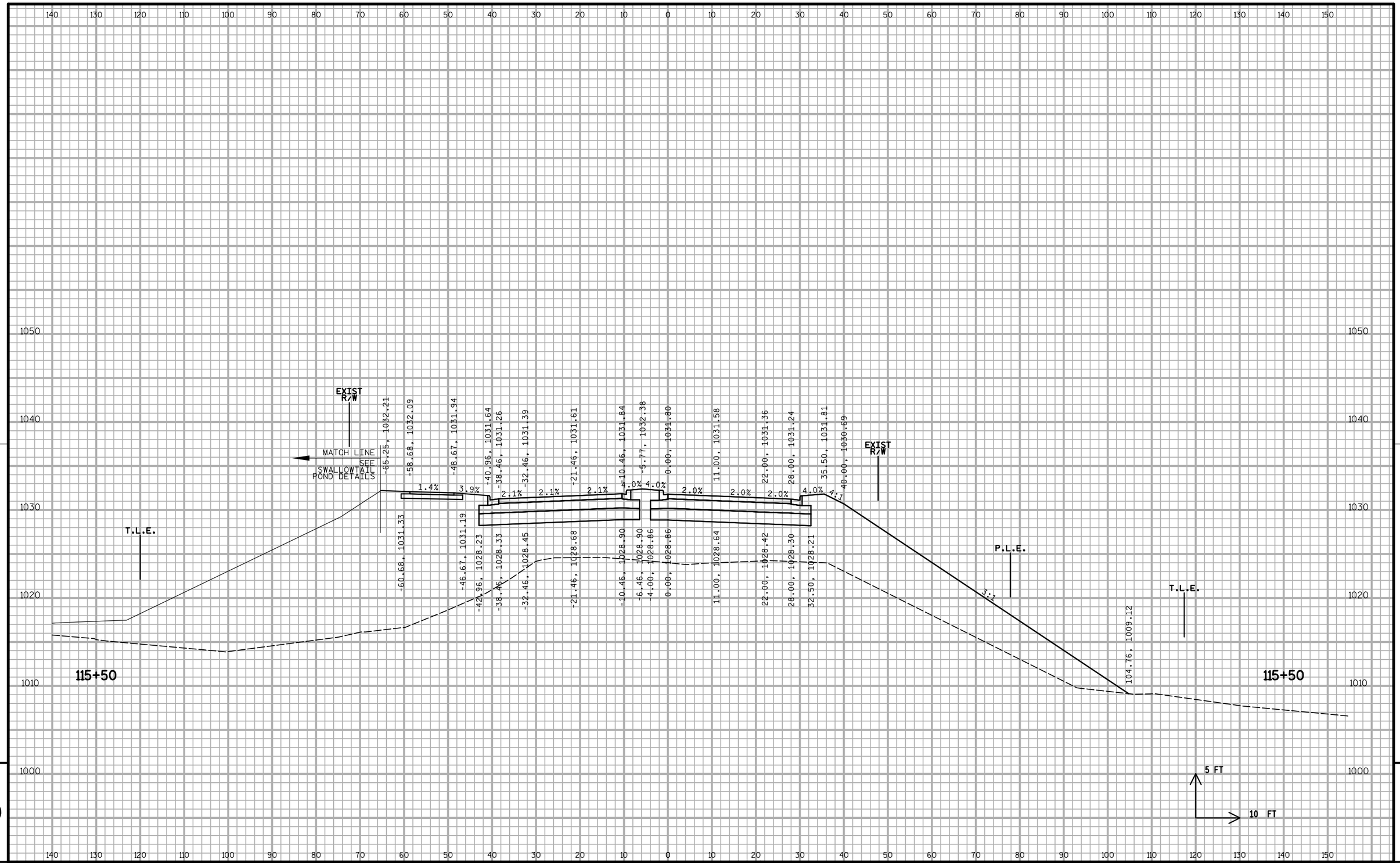
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 920 E

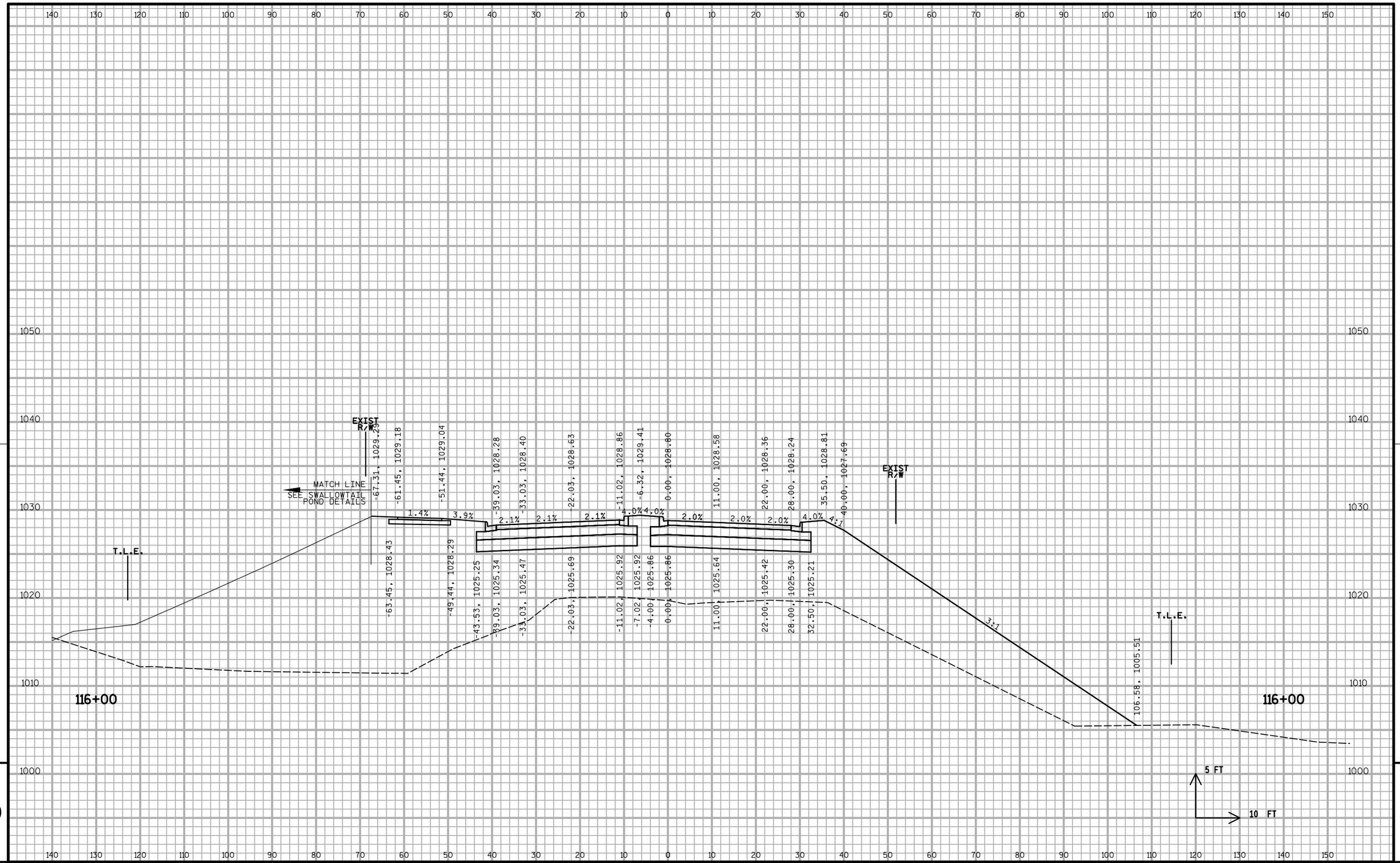
FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 921	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

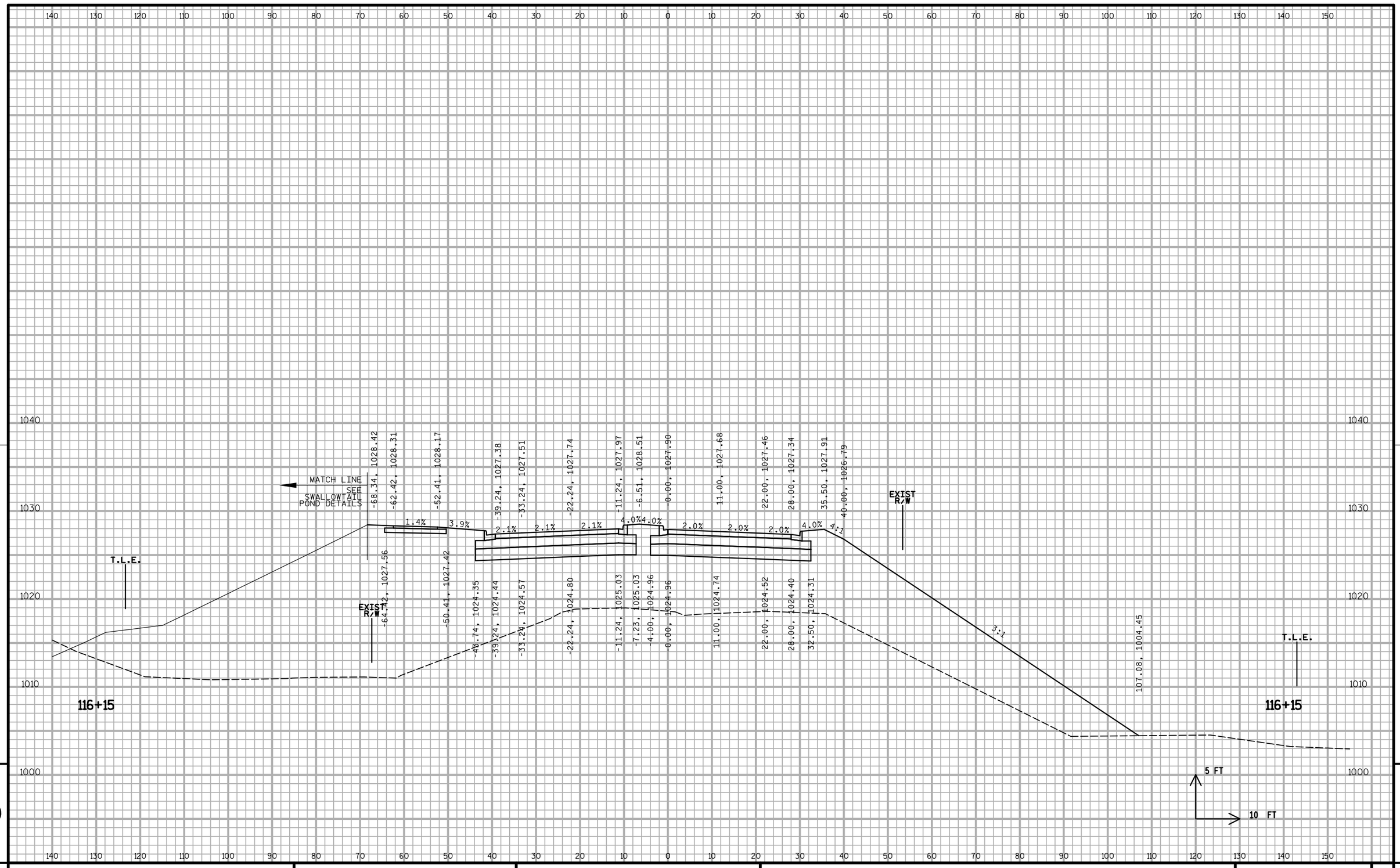

EXIST R/W
MATCH LINE SEE SWALLOWTAIL POND DETAILS
T.L.E.
P.L.E.
T.L.E.
EXIST R/W
115+50
115+50
3:1
5 FT
10 FT



9

9

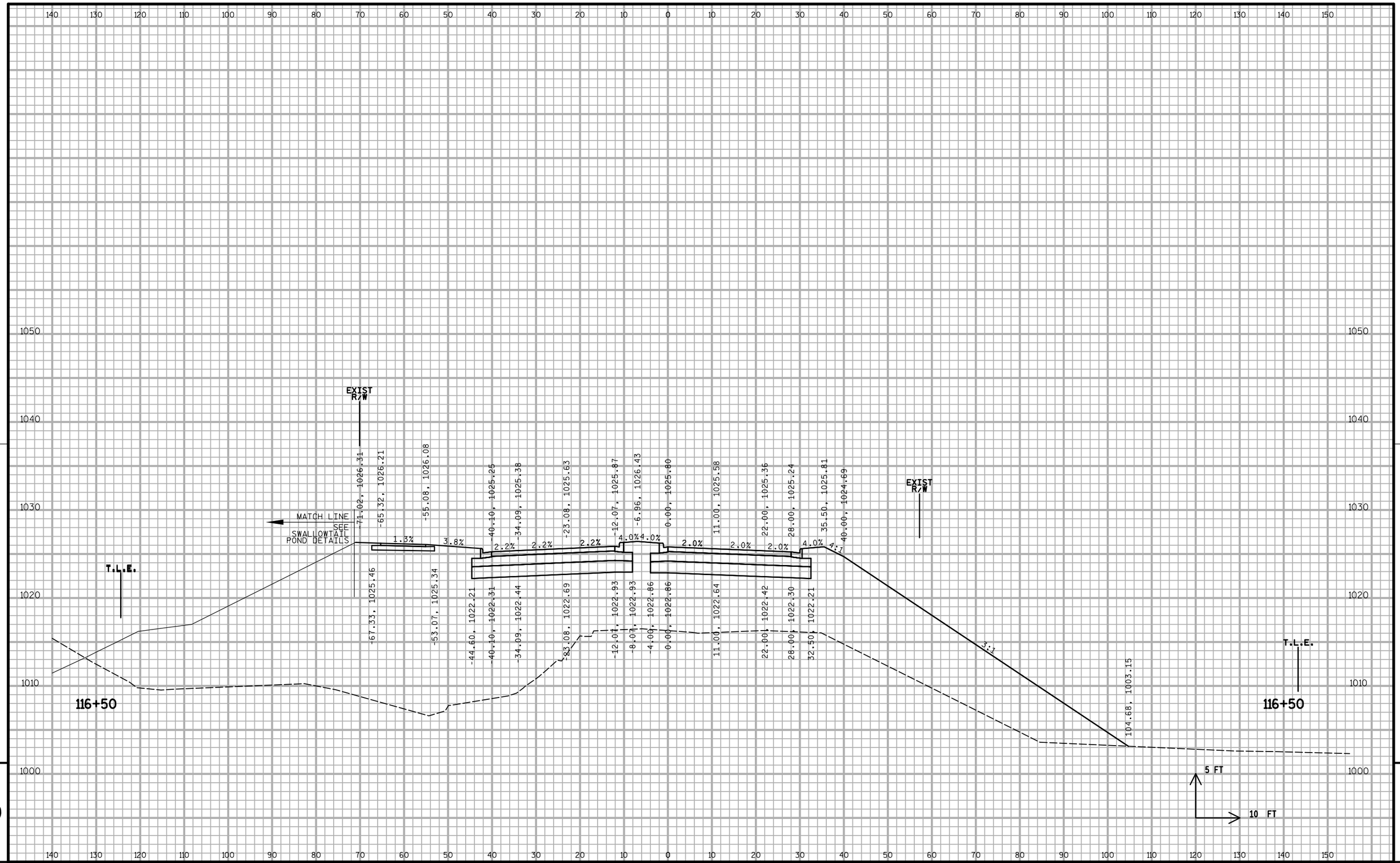
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 923	E



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 924	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

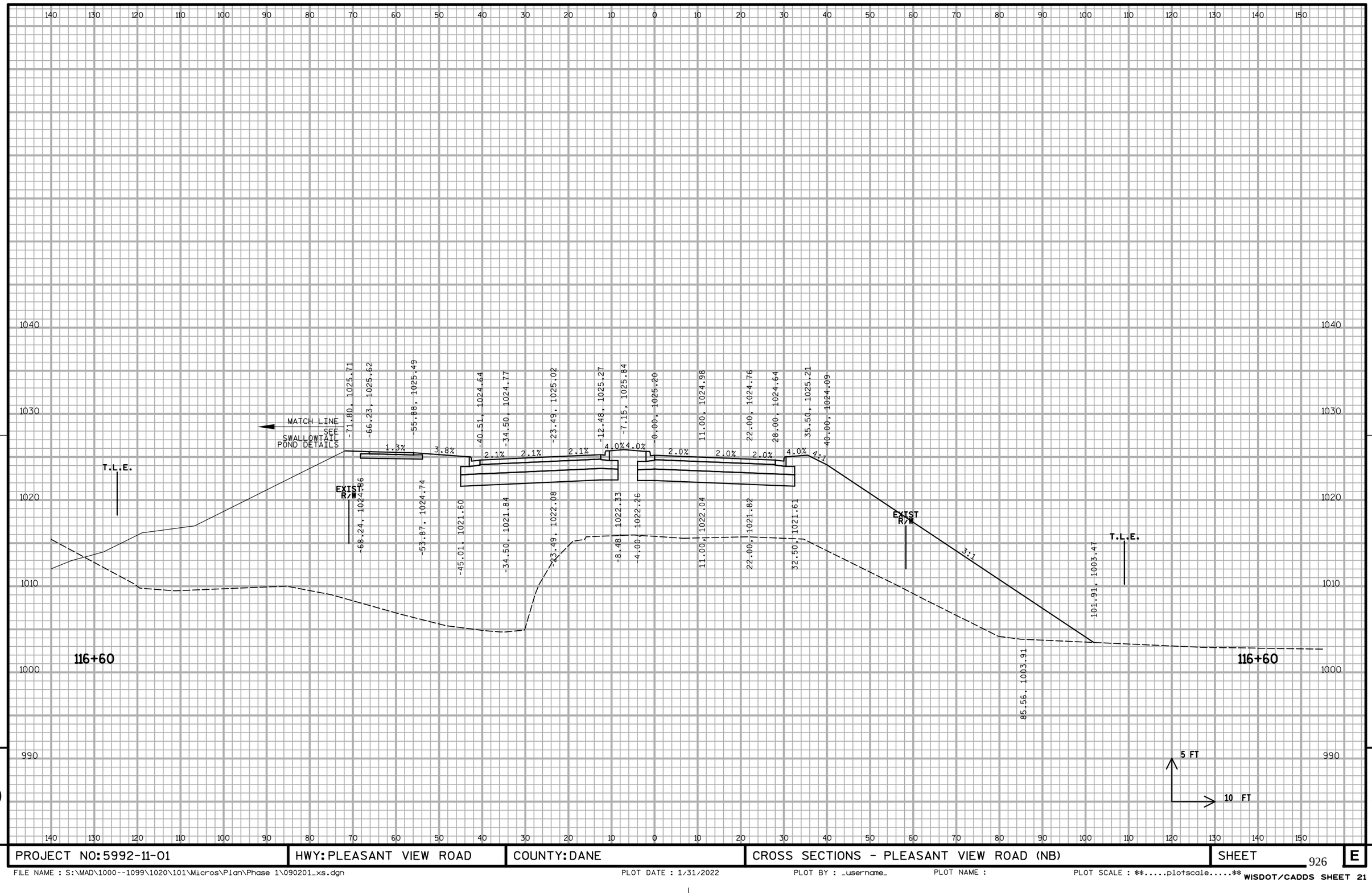
WISDOT/CADDS SHEET 21



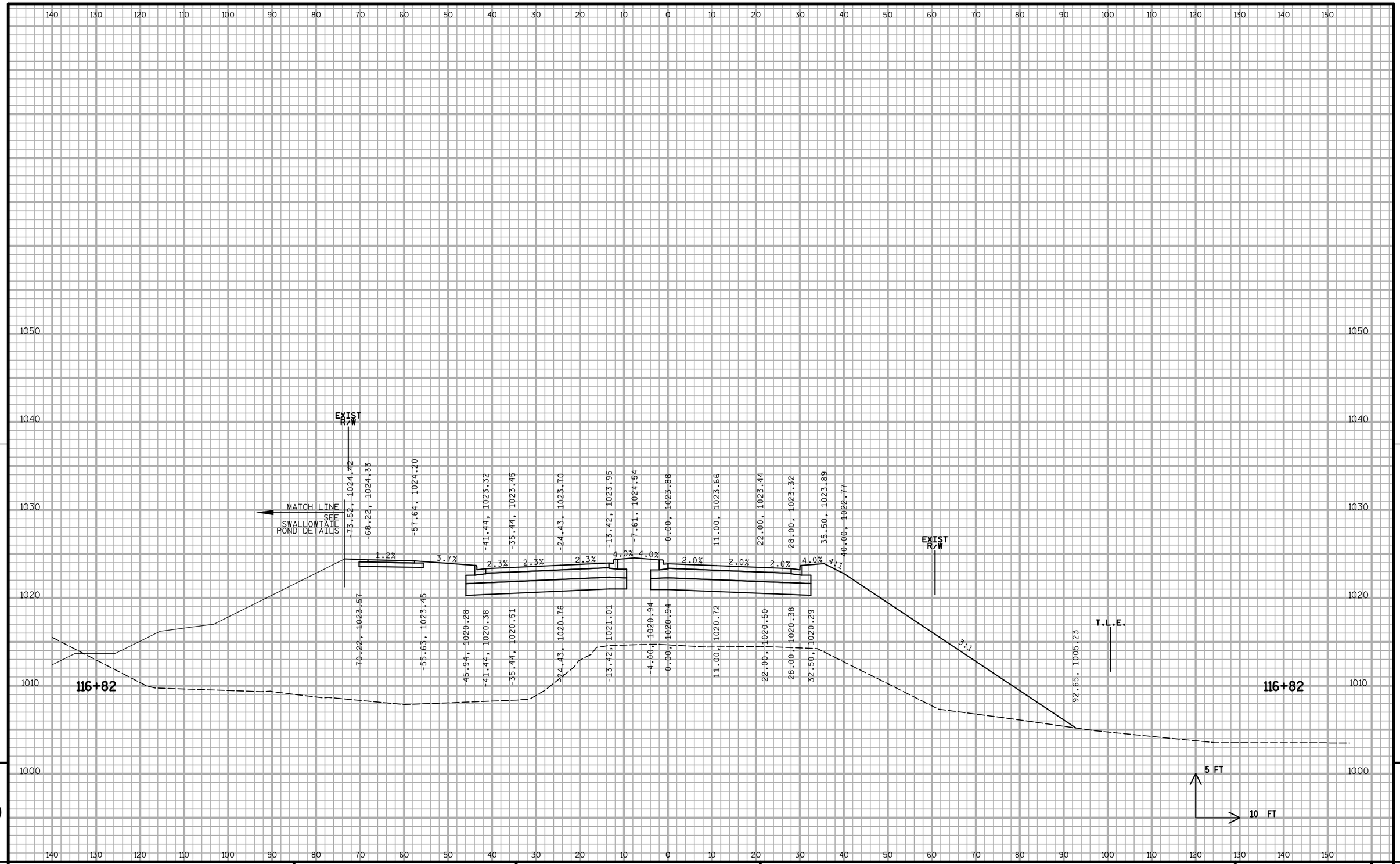
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 925	E



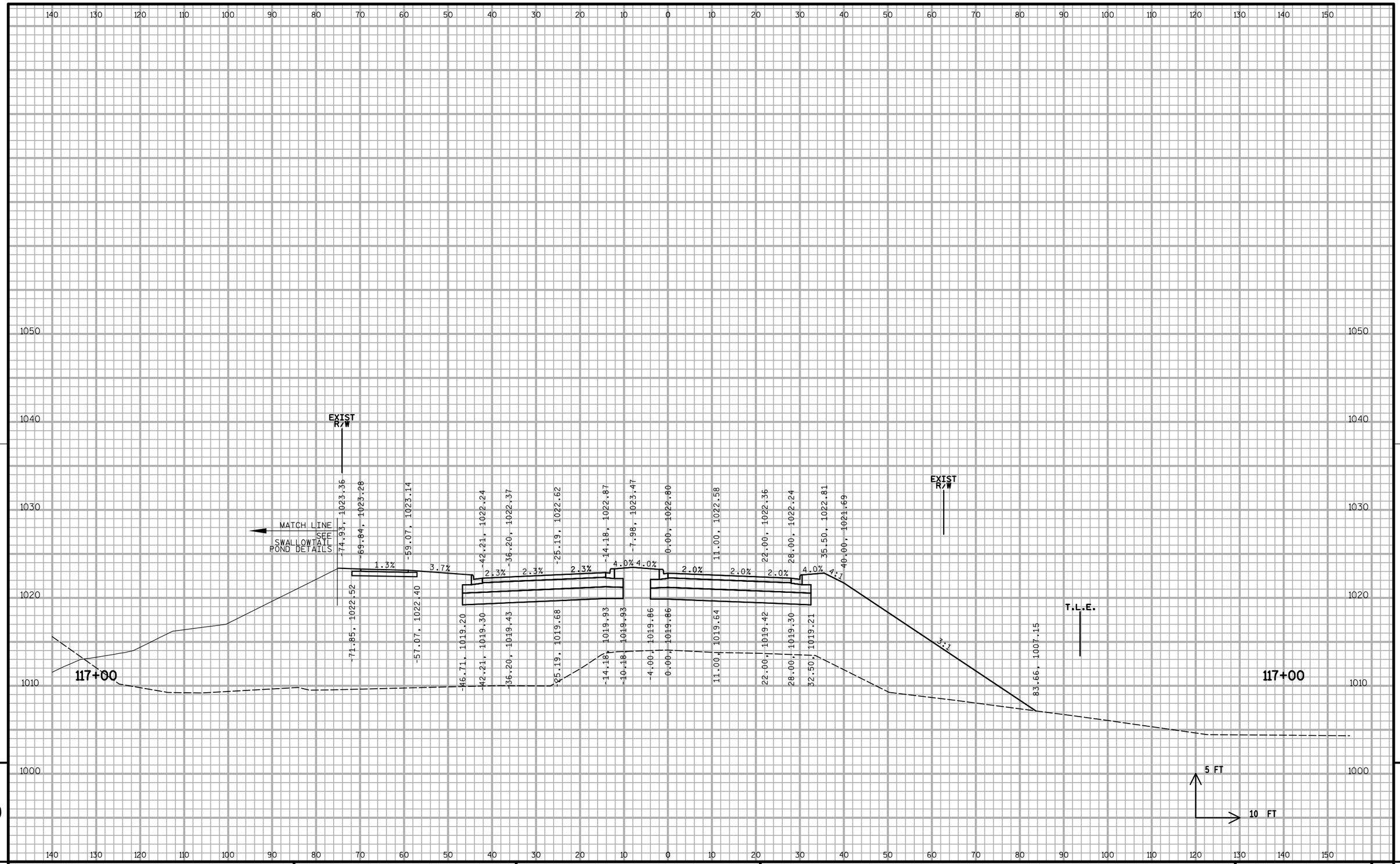
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 926	E



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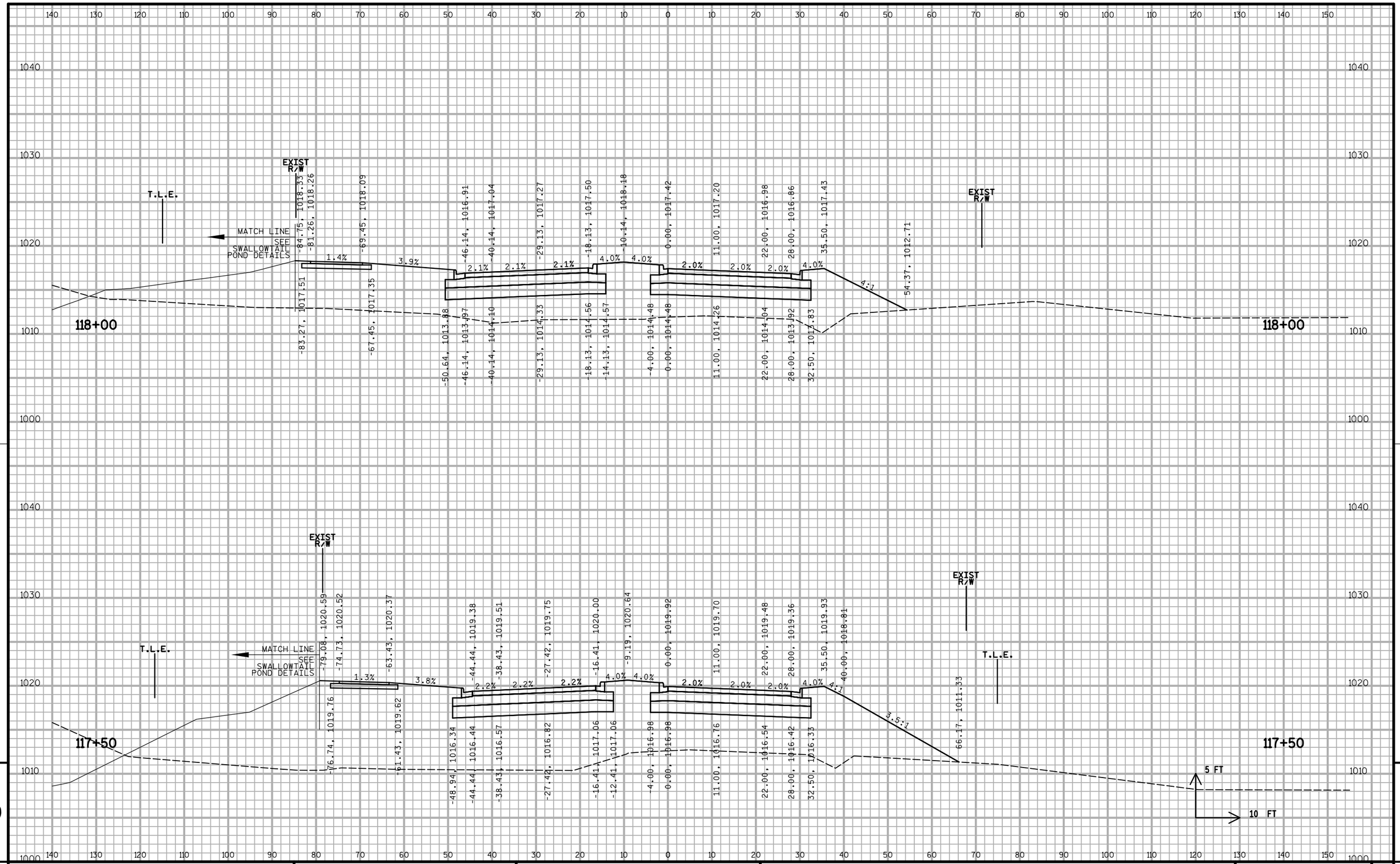
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 927	E



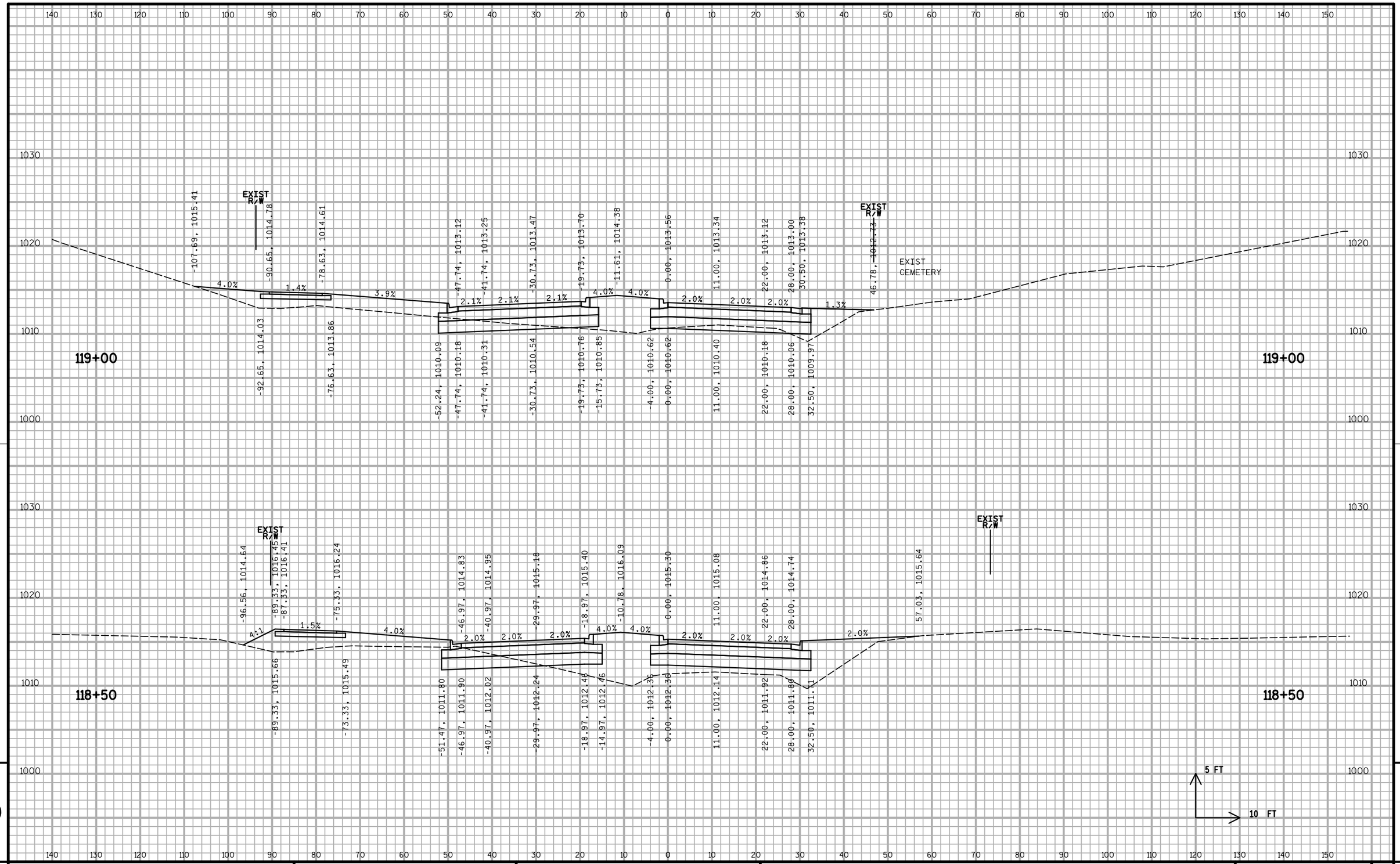
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 928	E



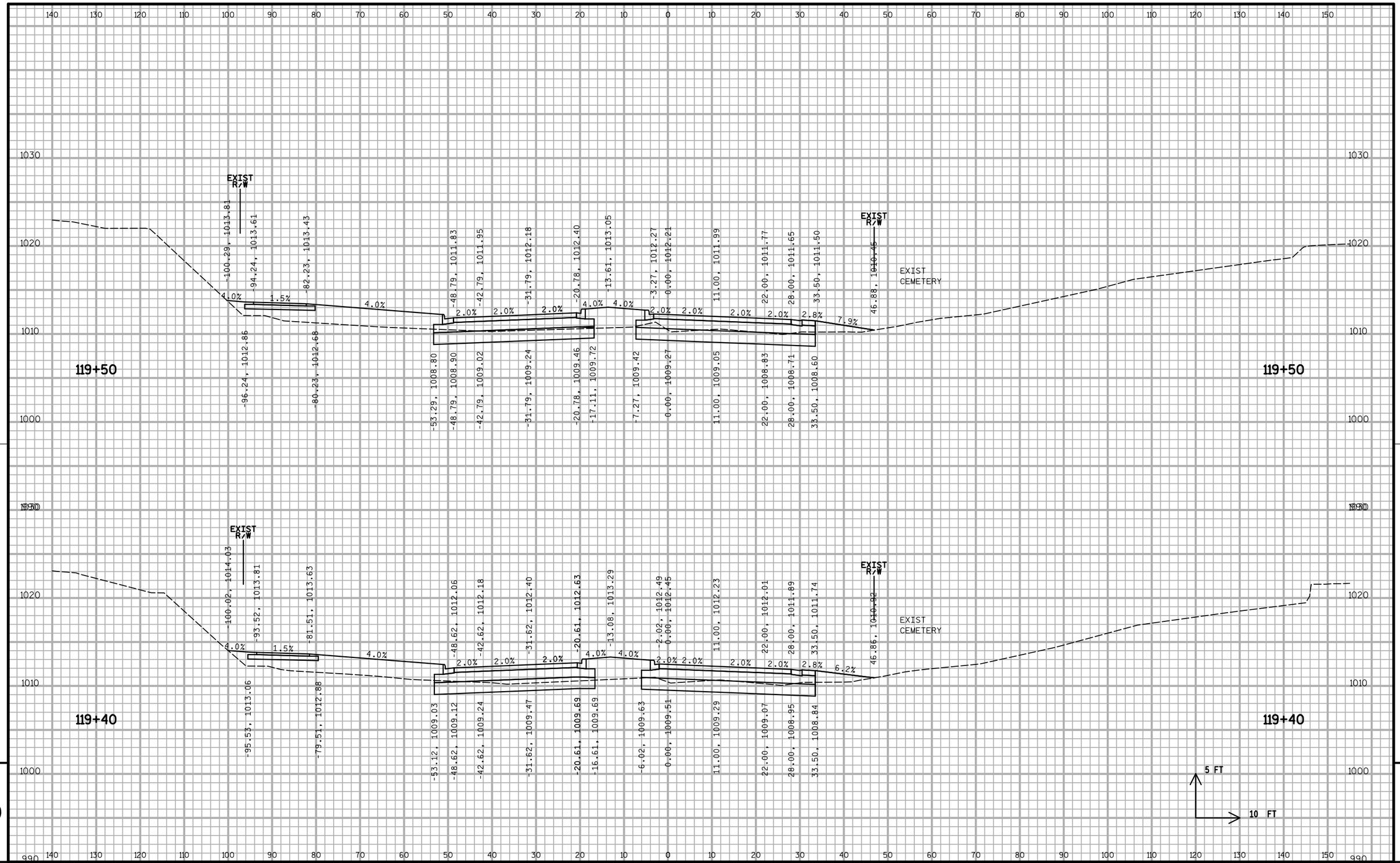
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 929 E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 930	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

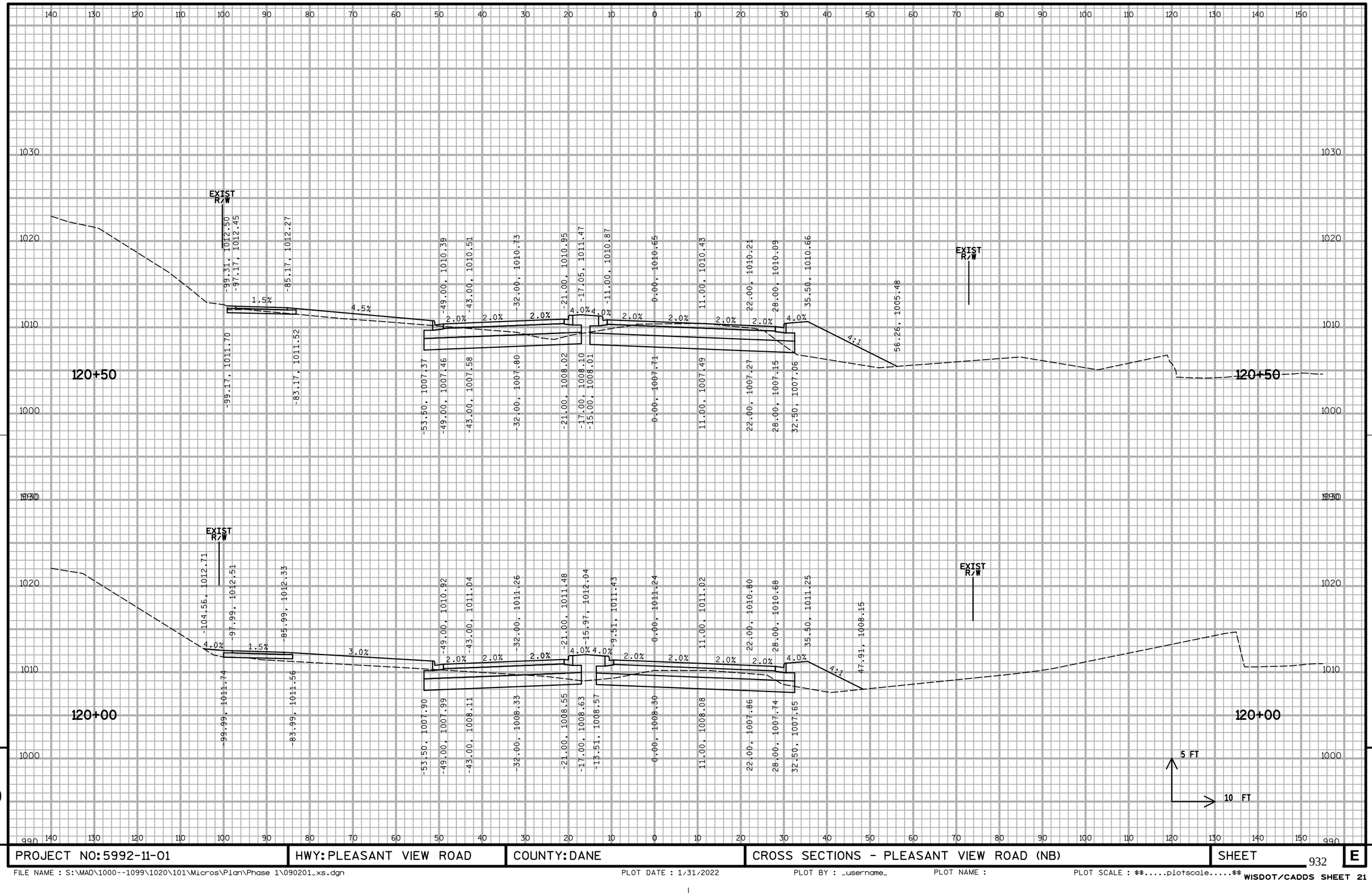


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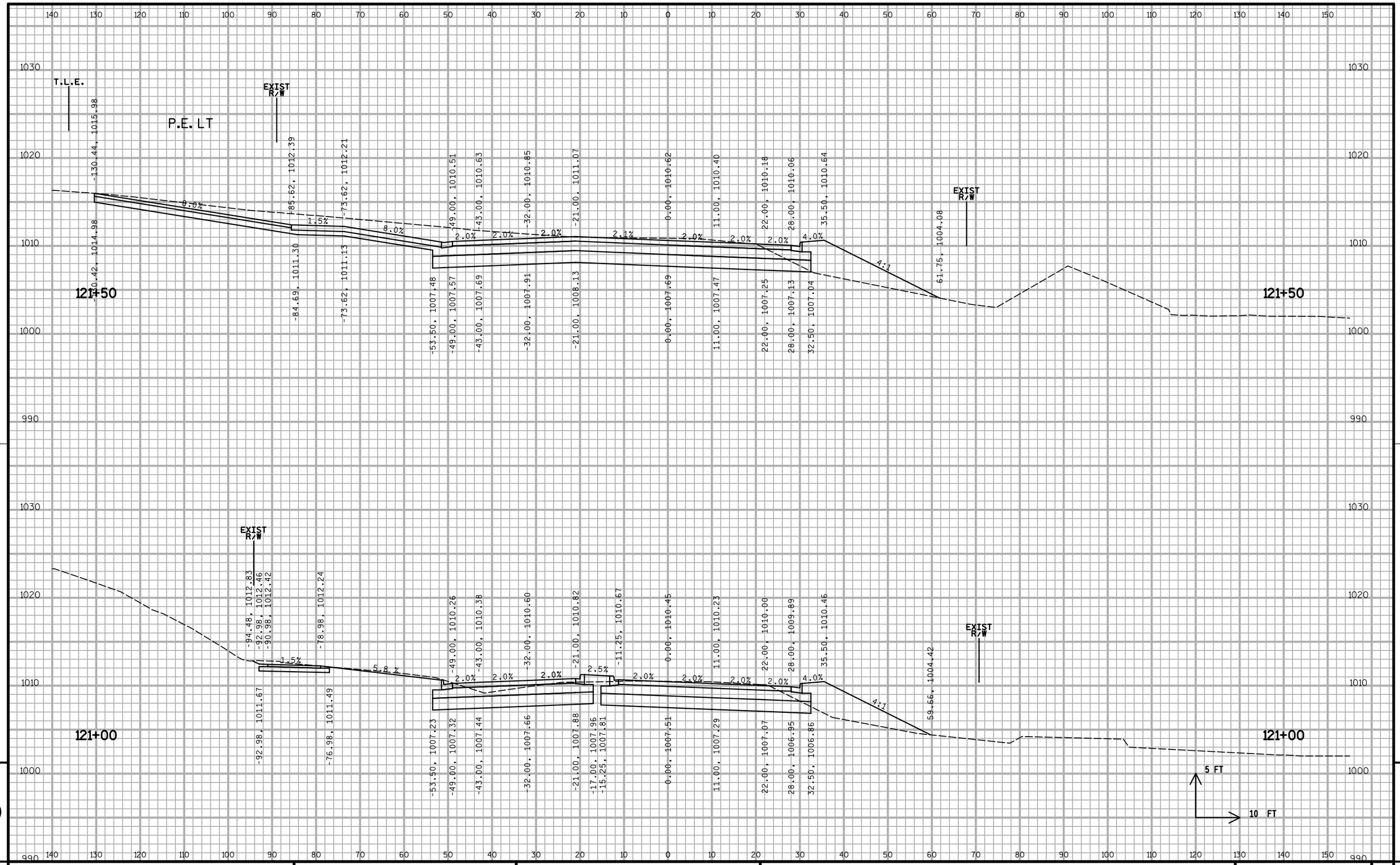
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 931	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



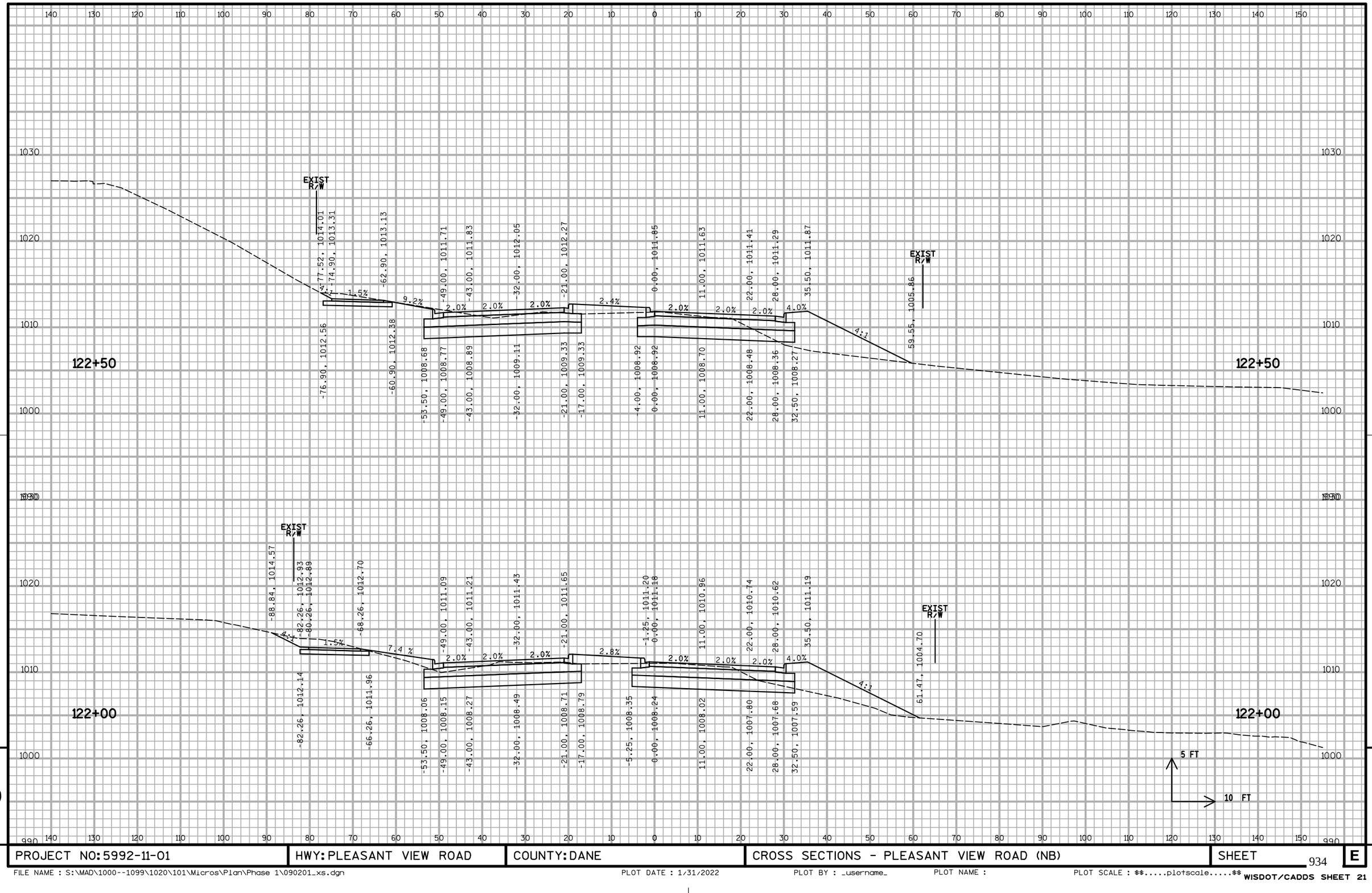
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



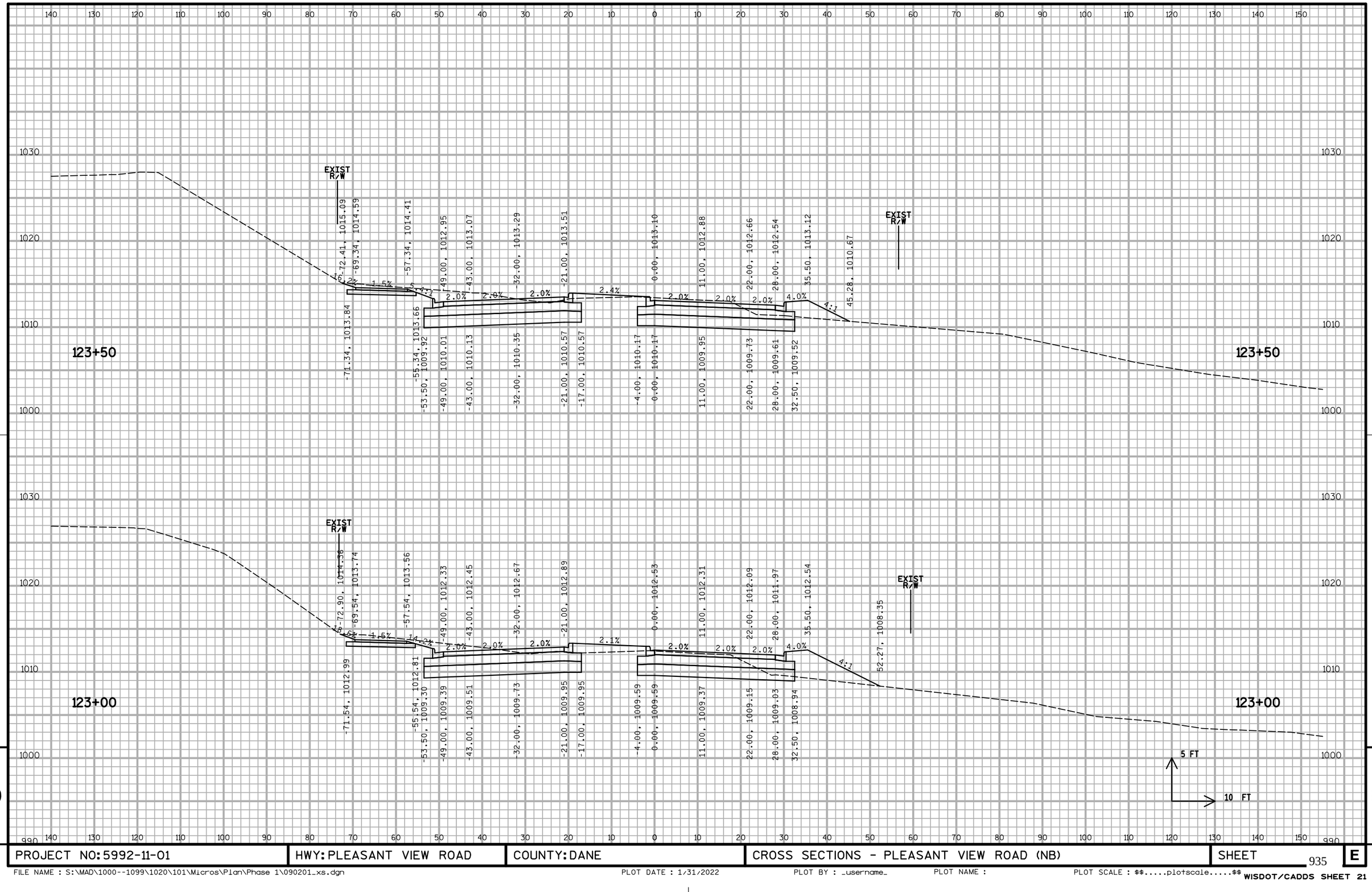
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 933	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



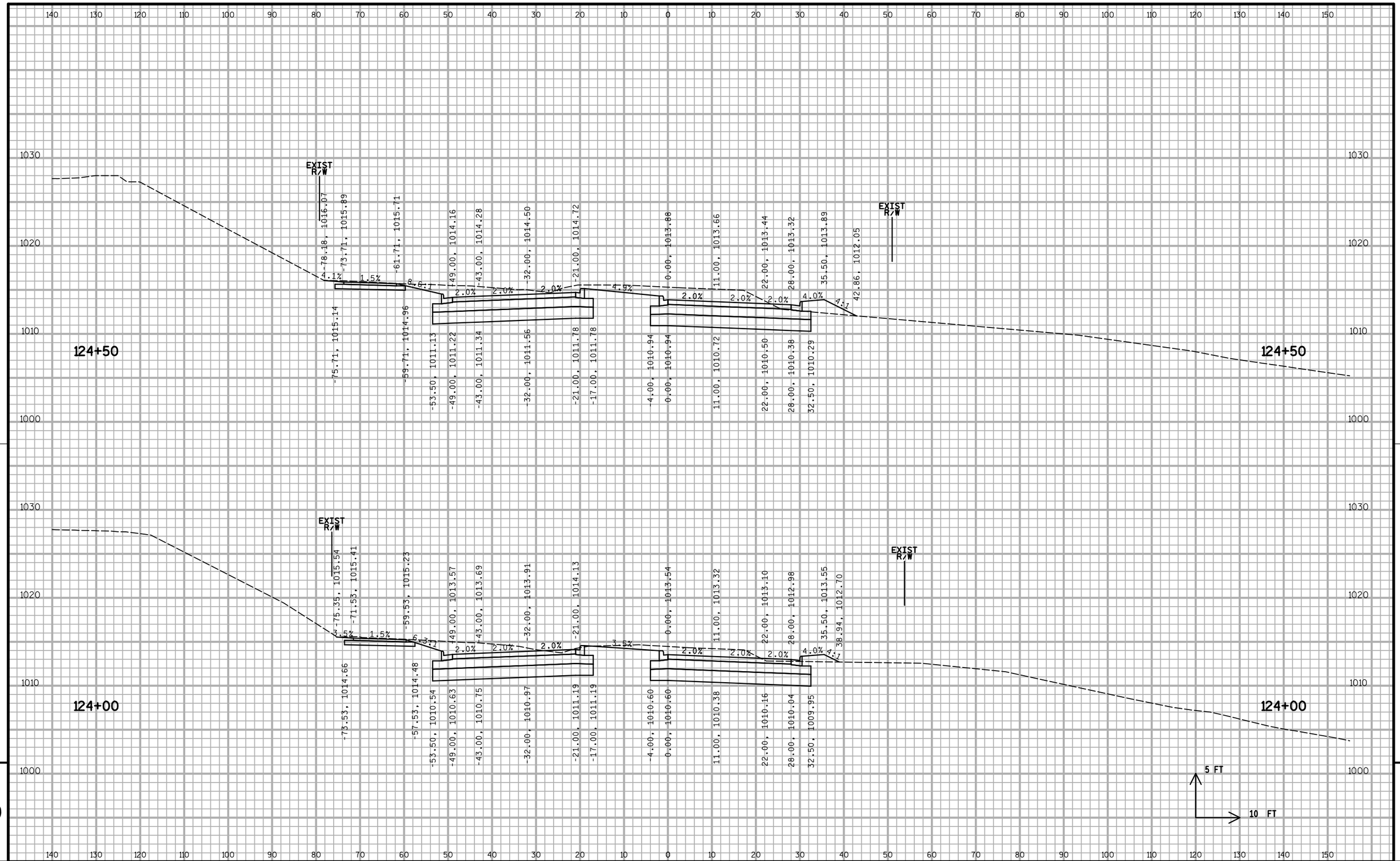
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 934	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 935	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

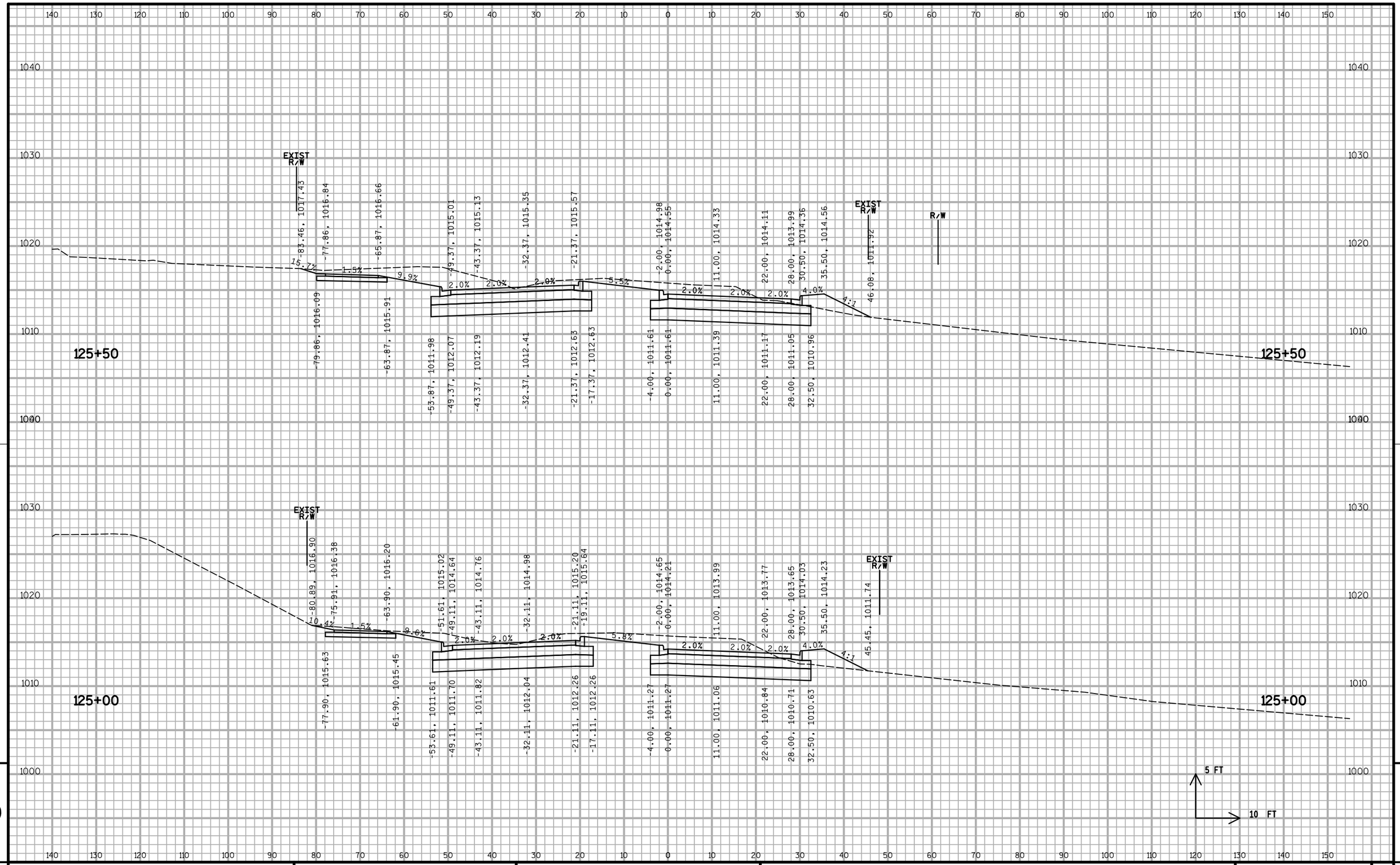


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 936	E

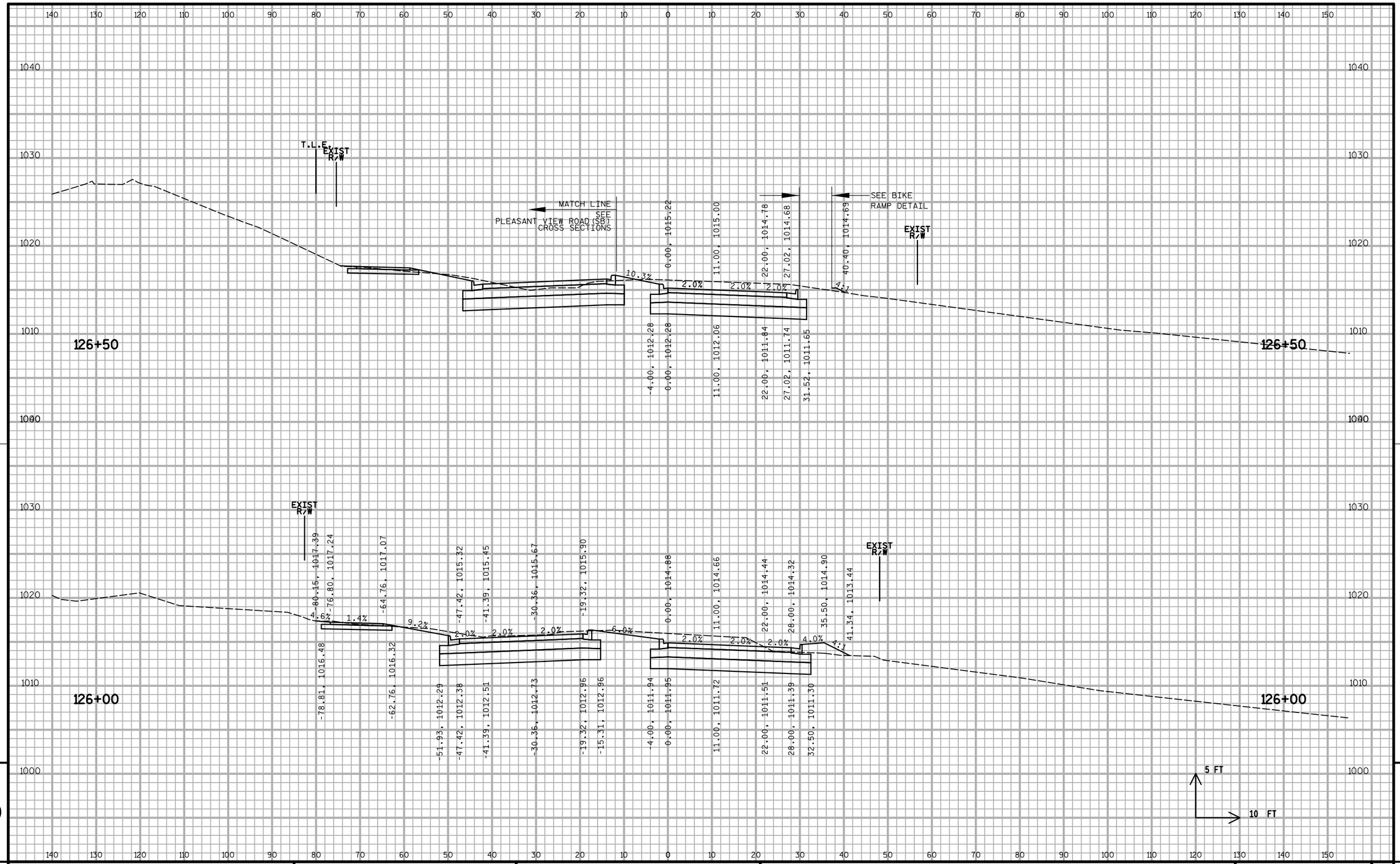
FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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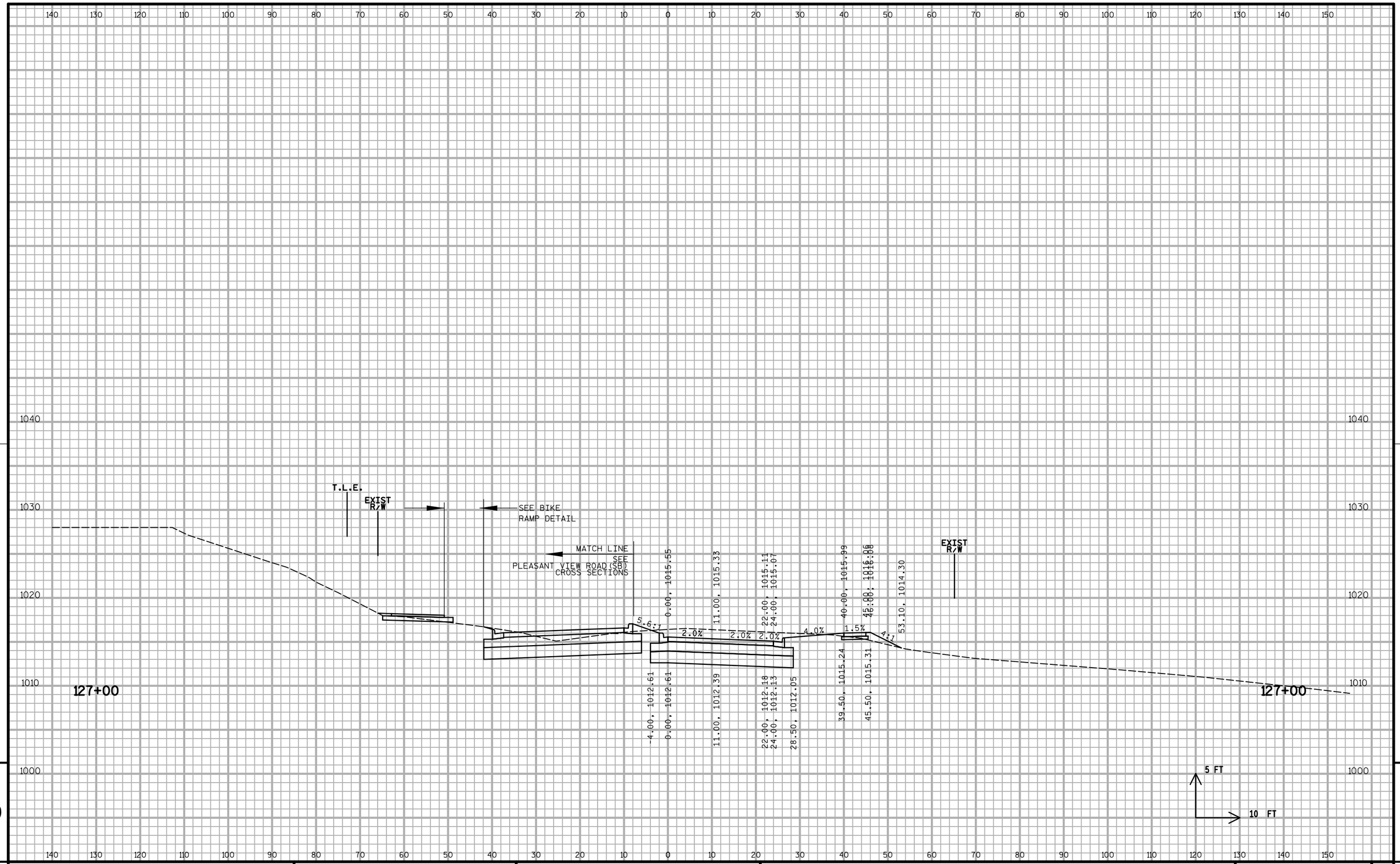
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 937	E



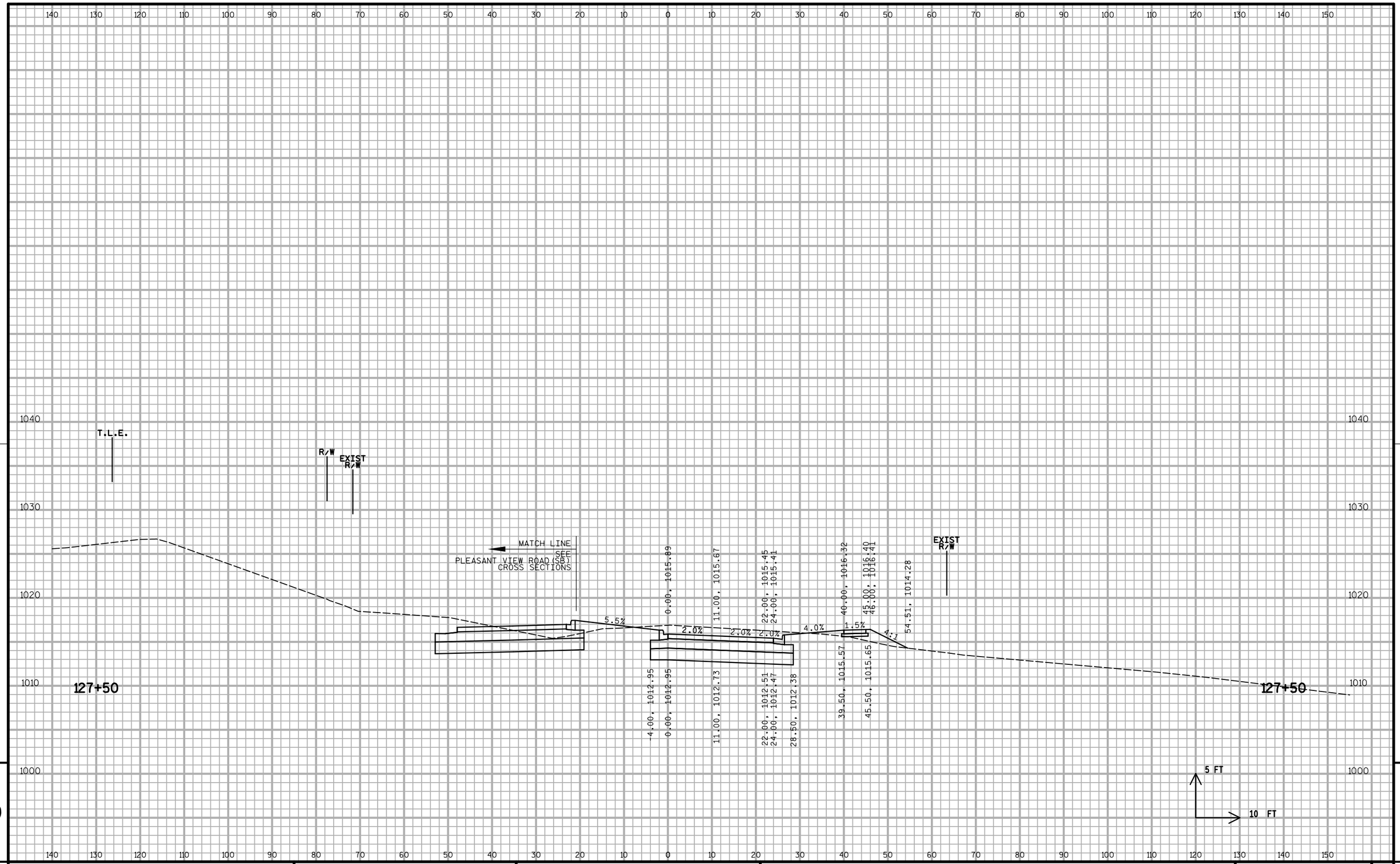
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 938	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



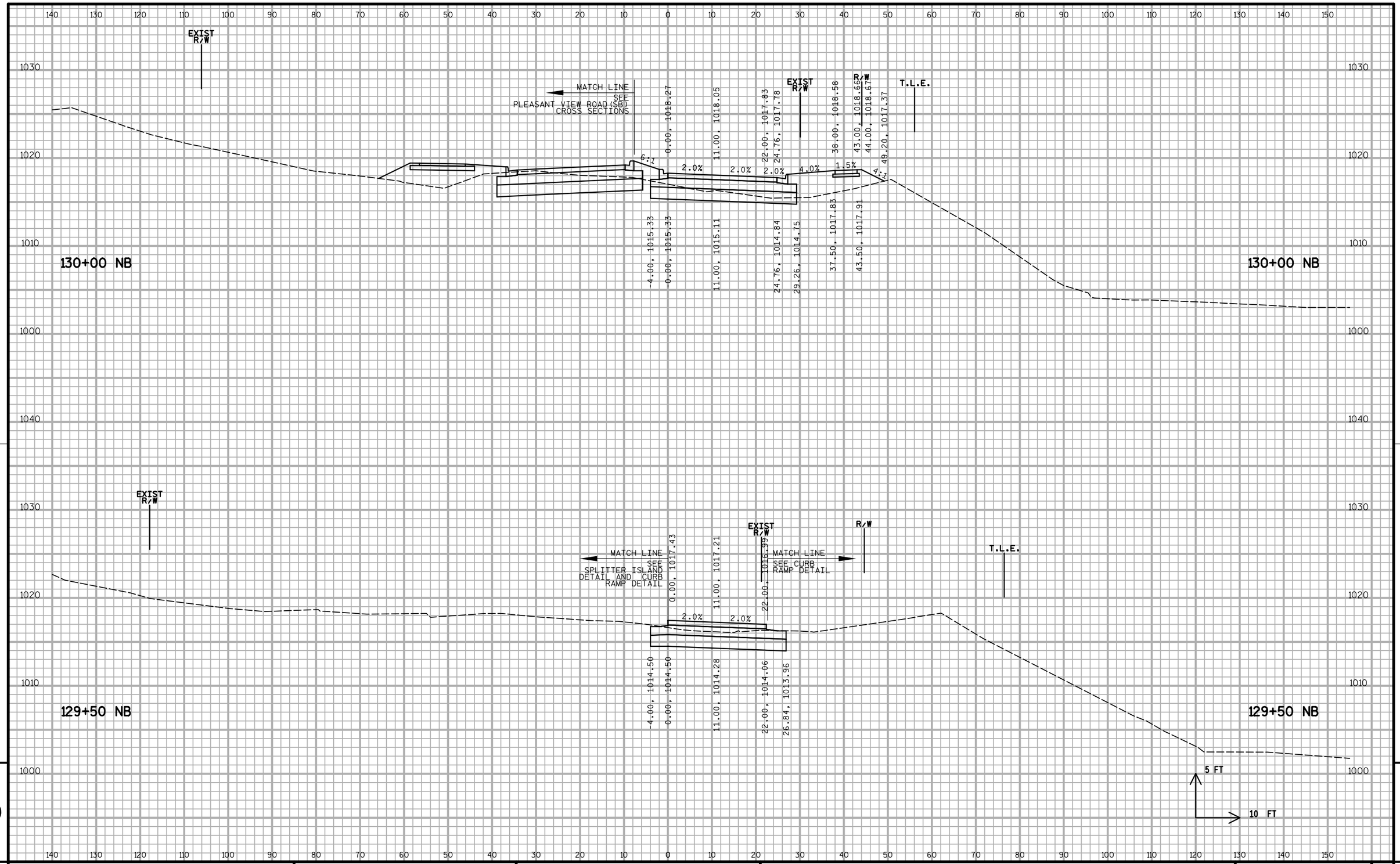
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 939	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 940	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



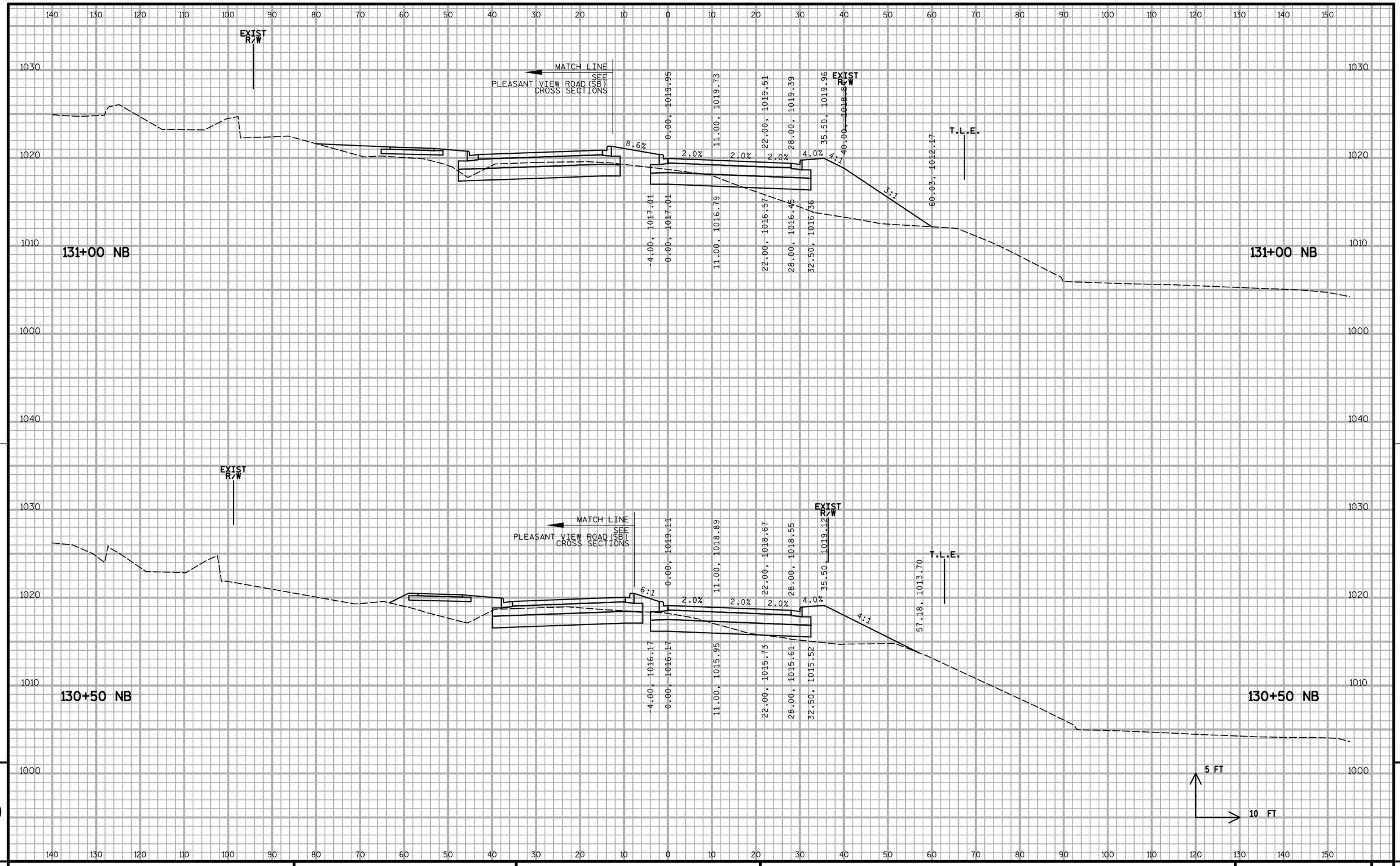
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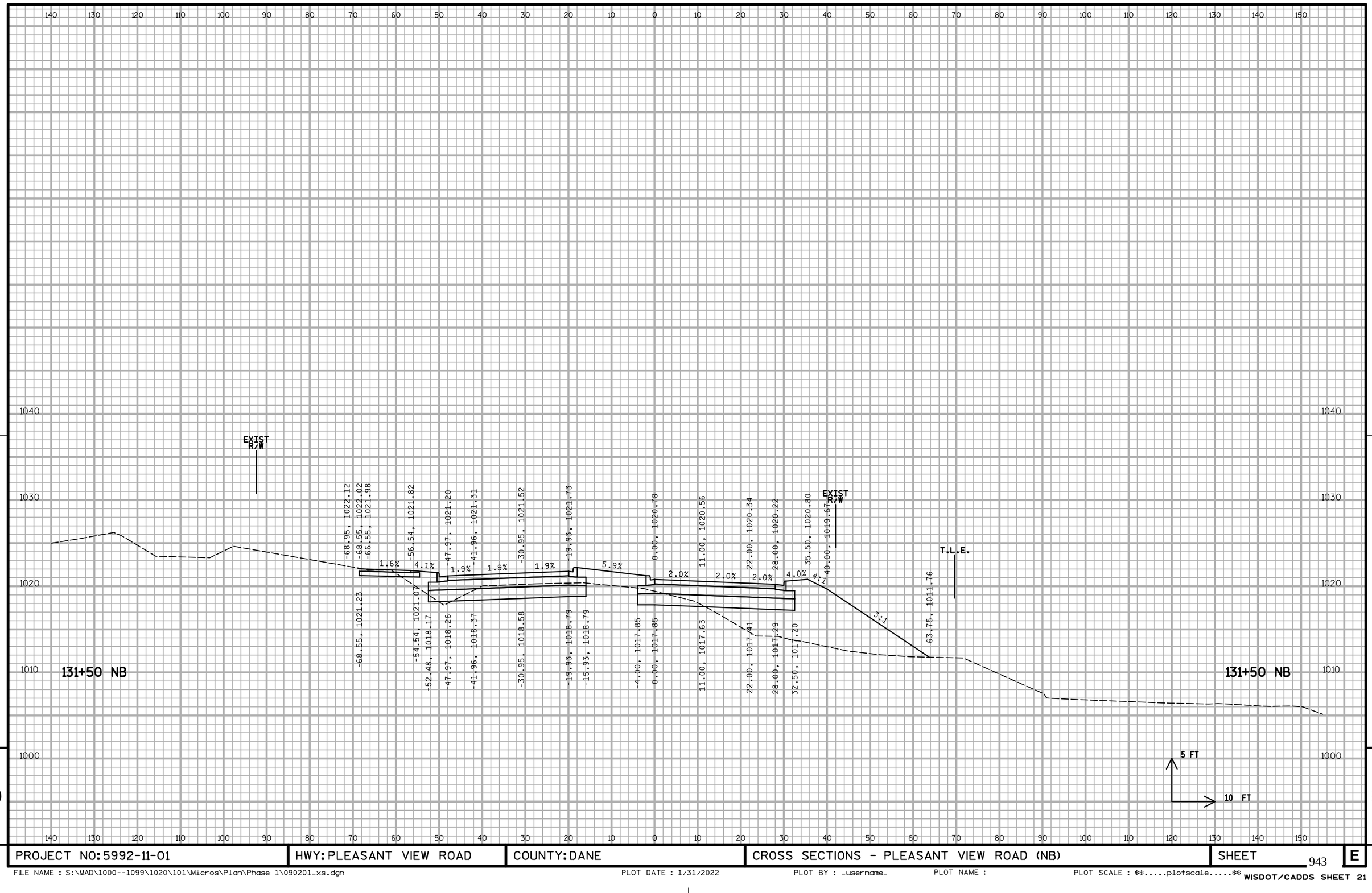
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 941	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



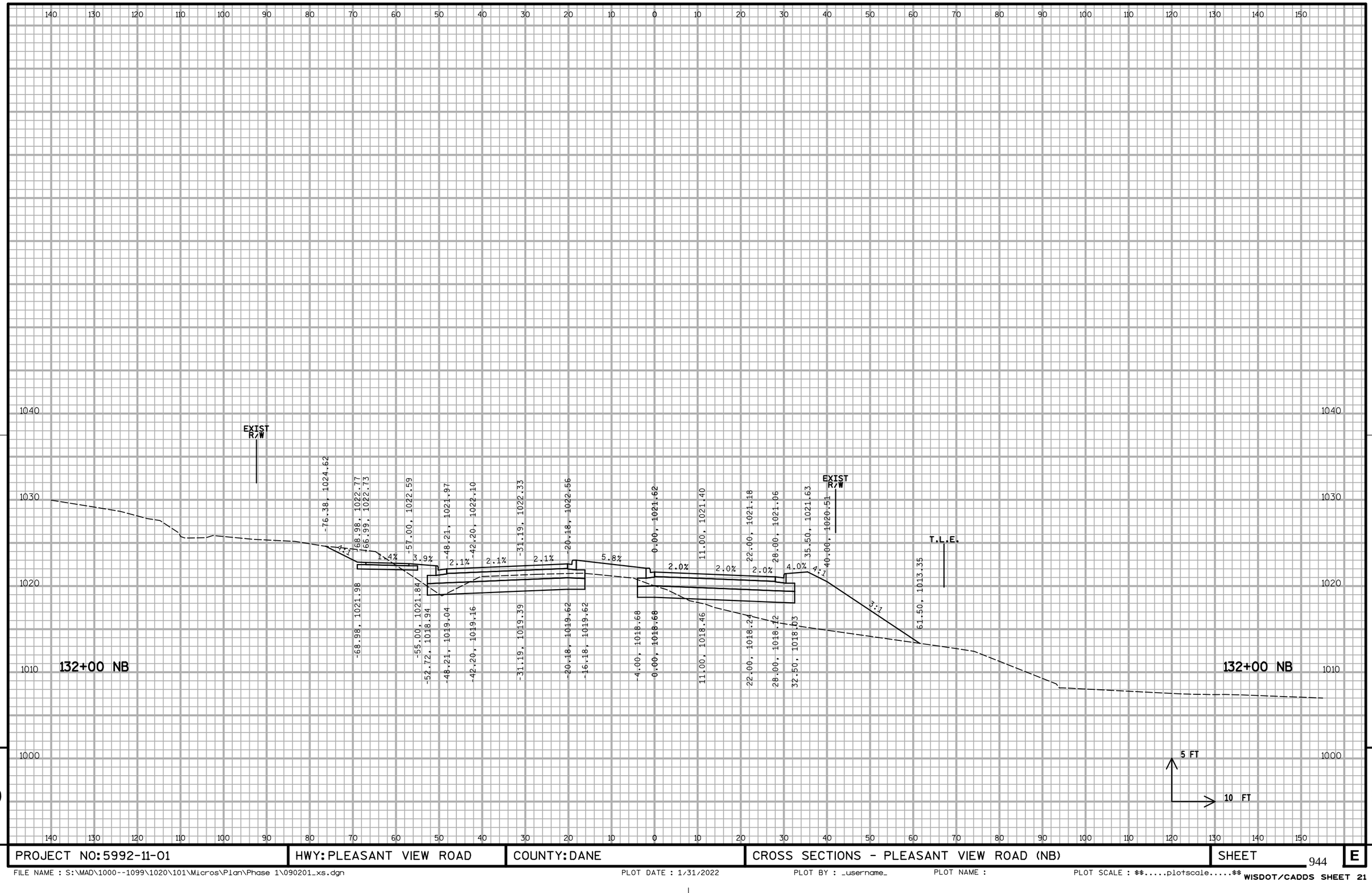
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 942	E



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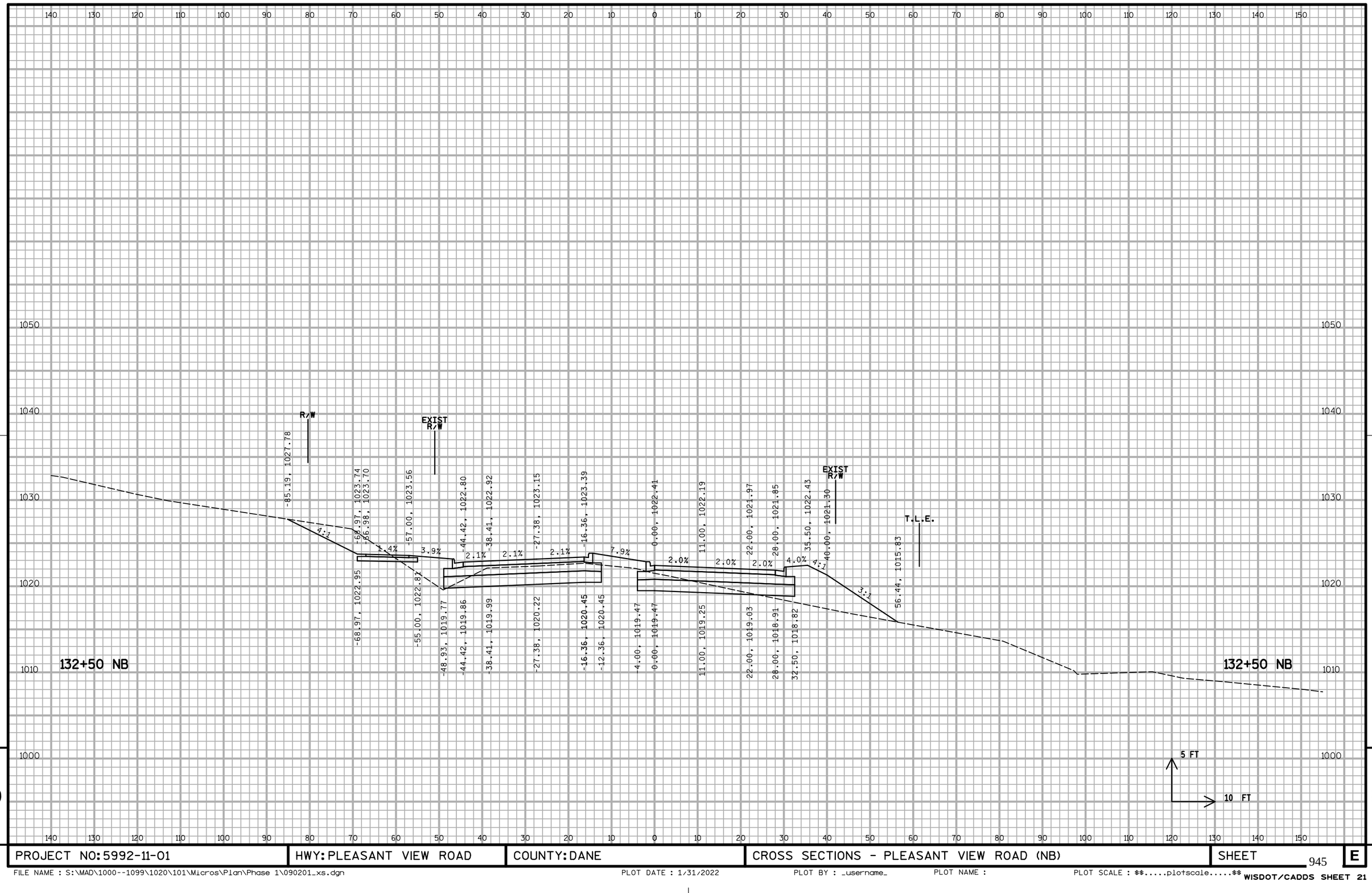
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 943	E



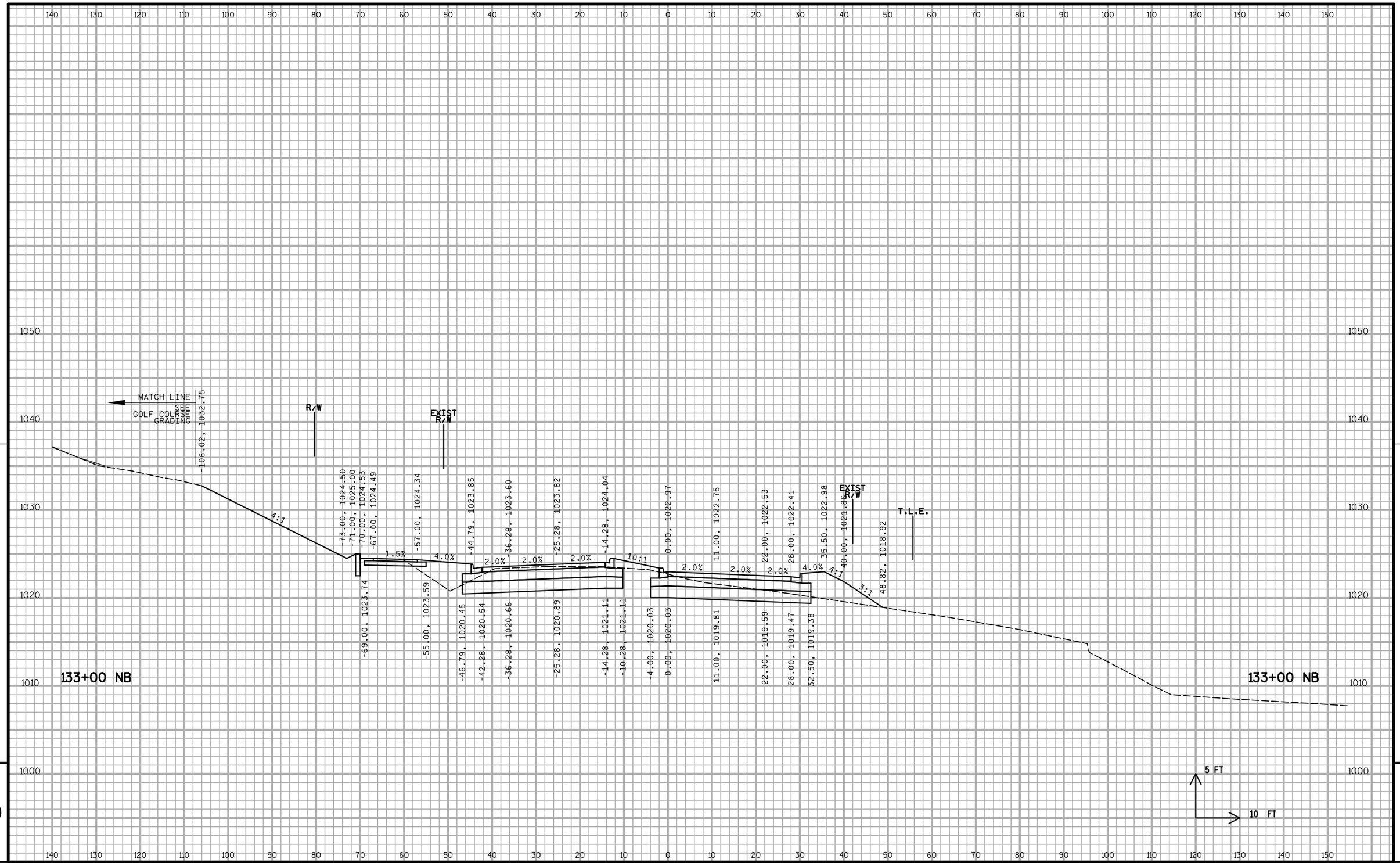
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 944 E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



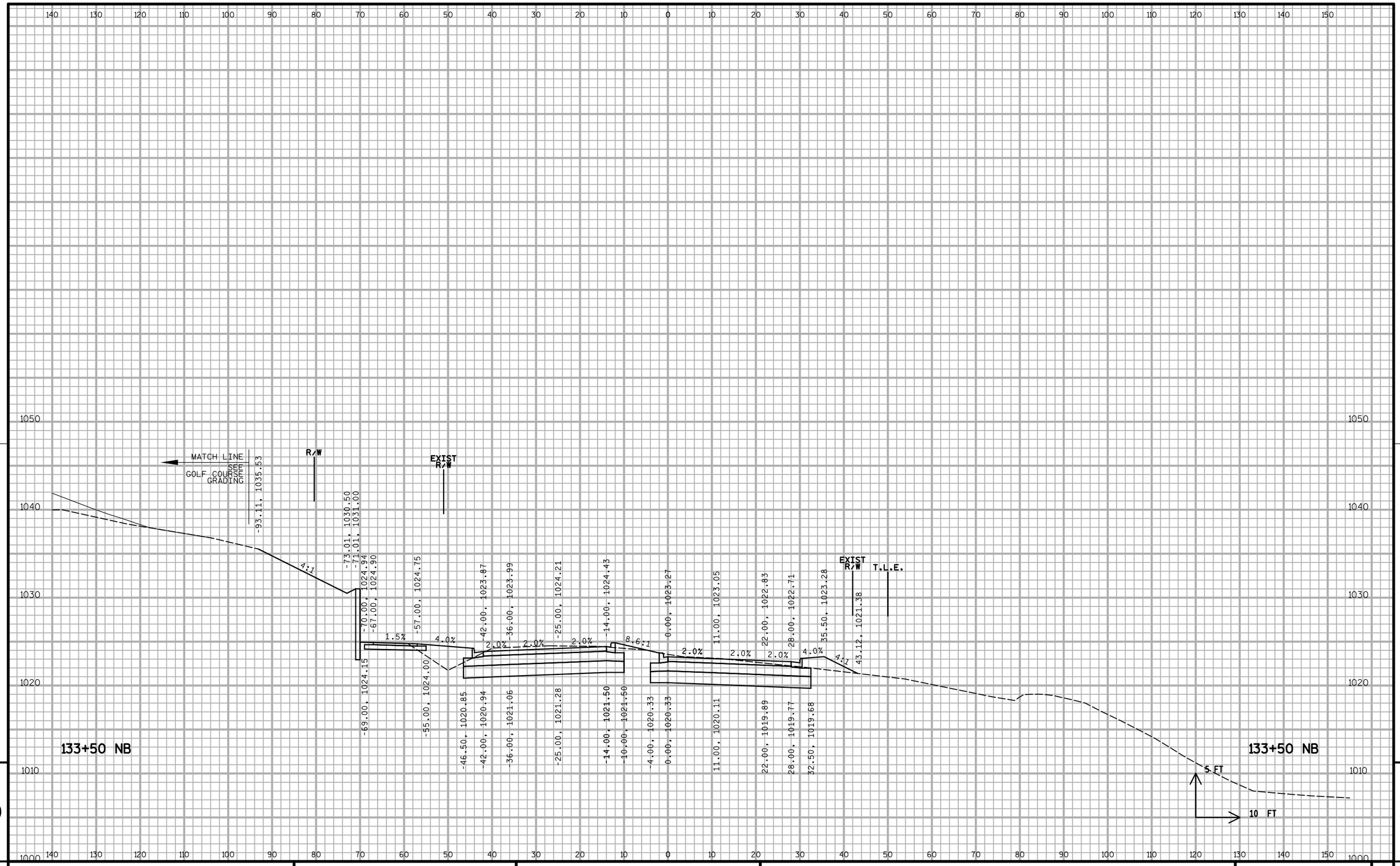
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 945	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



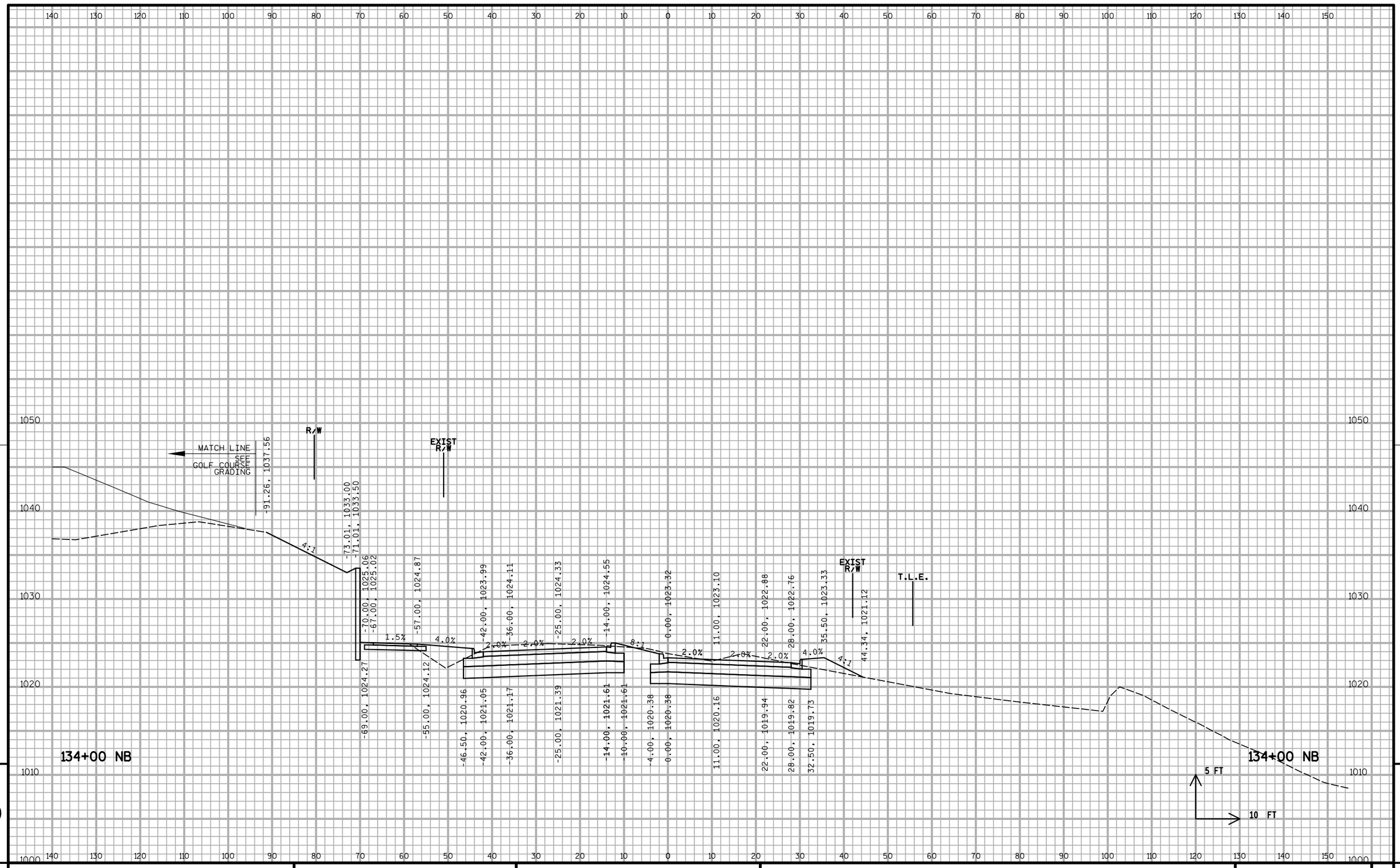
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 947	E

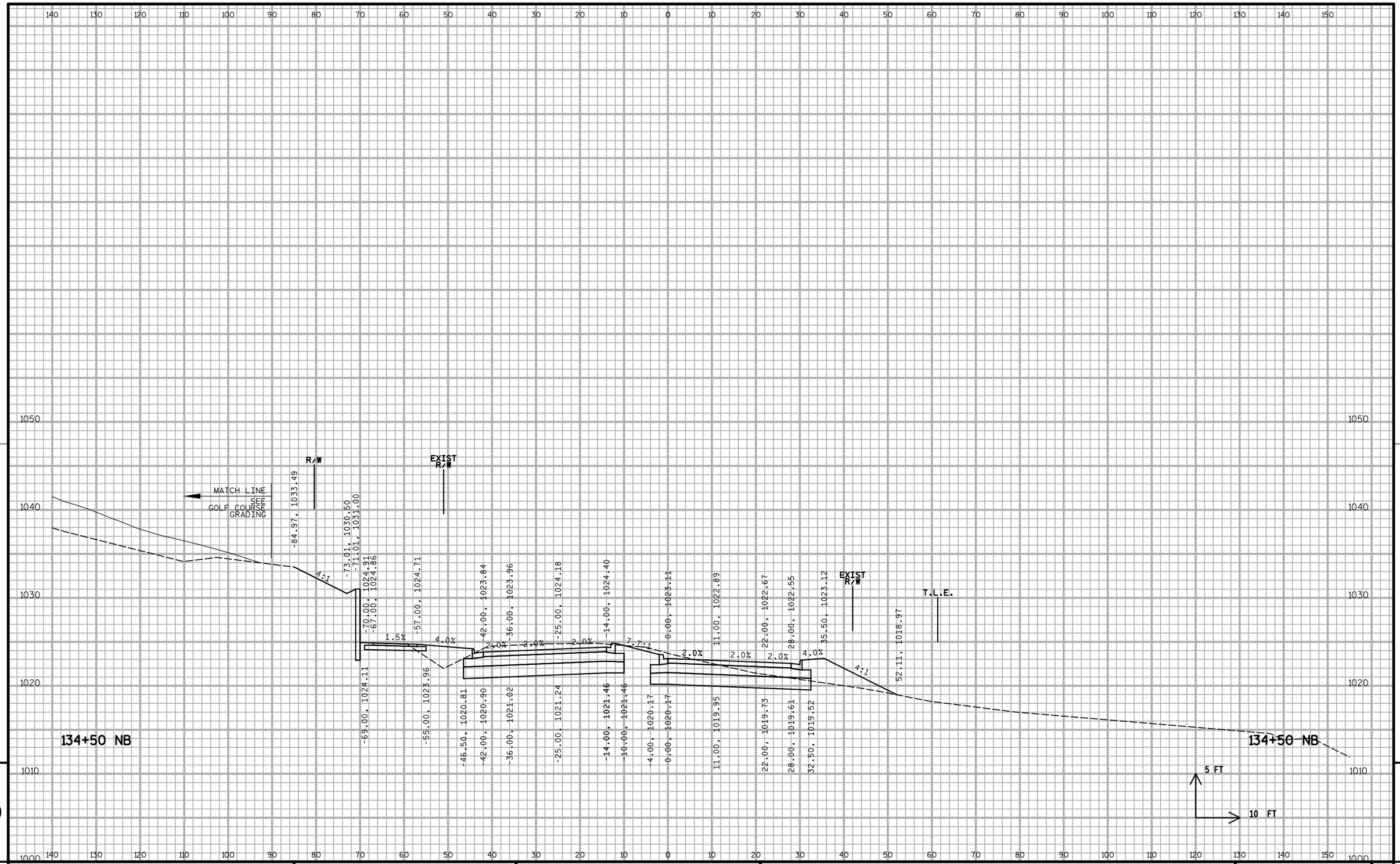
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 948 E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

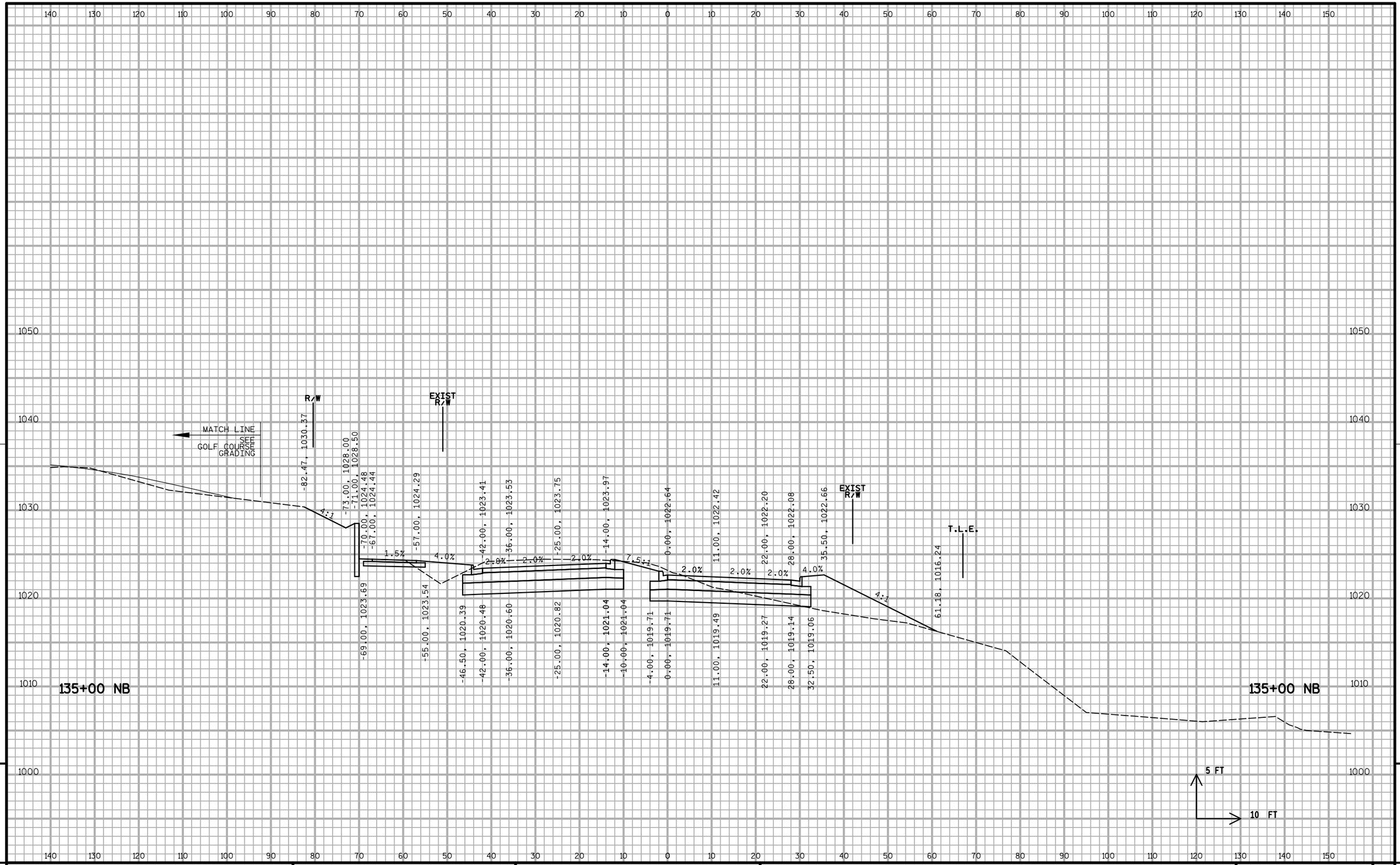
WISDOT/CADDS SHEET 21



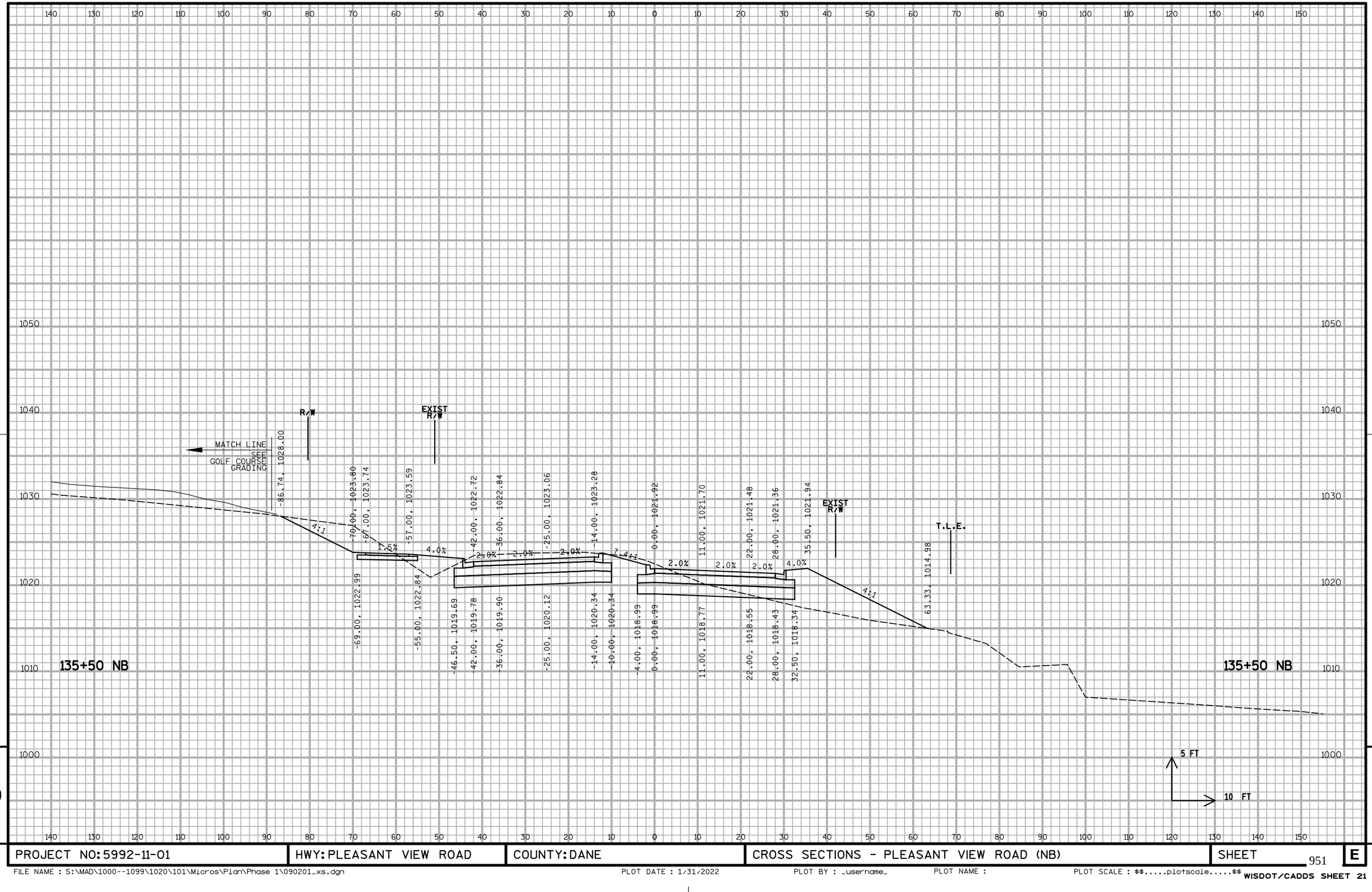
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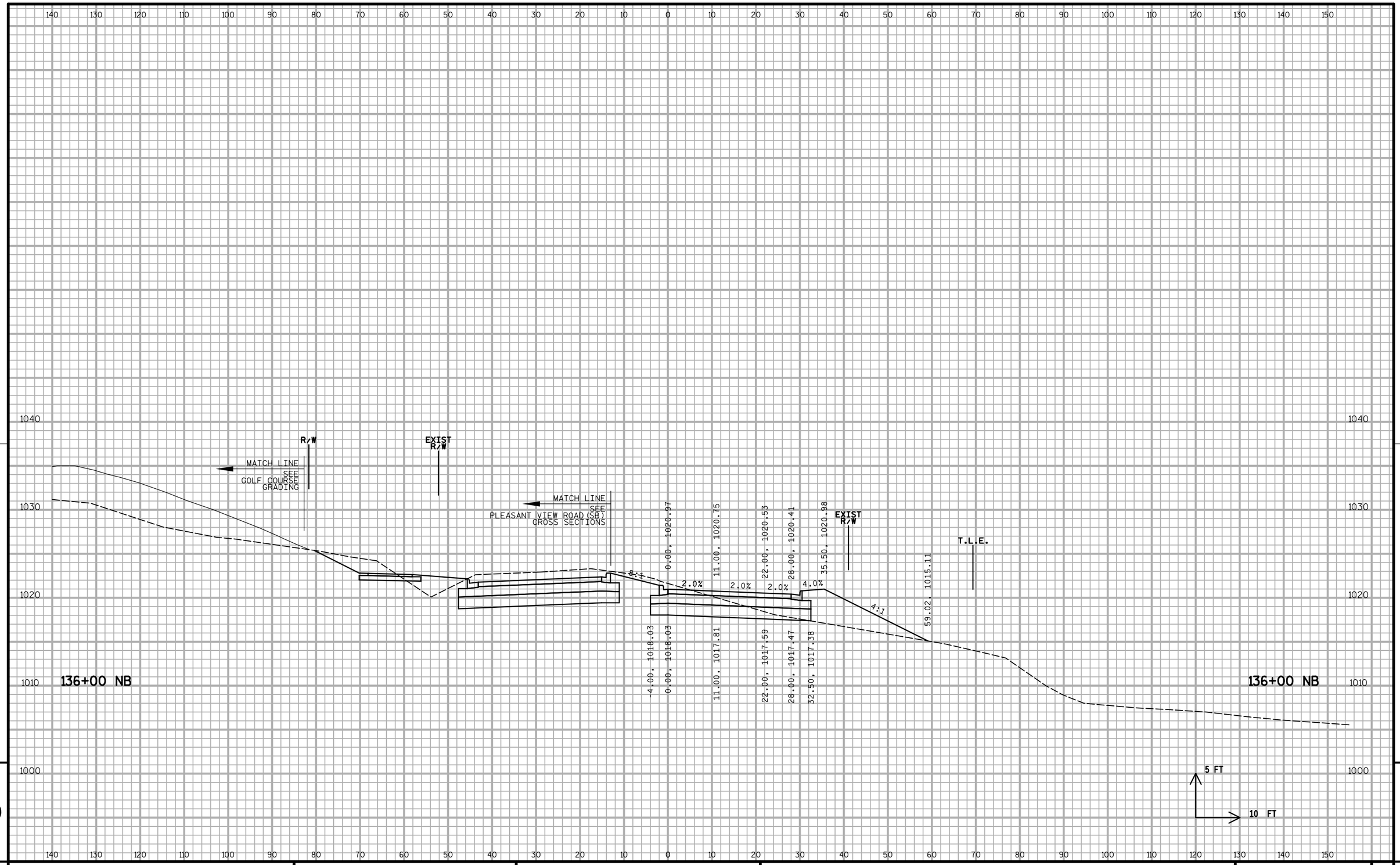
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 949	E



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 950	E



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 951	E



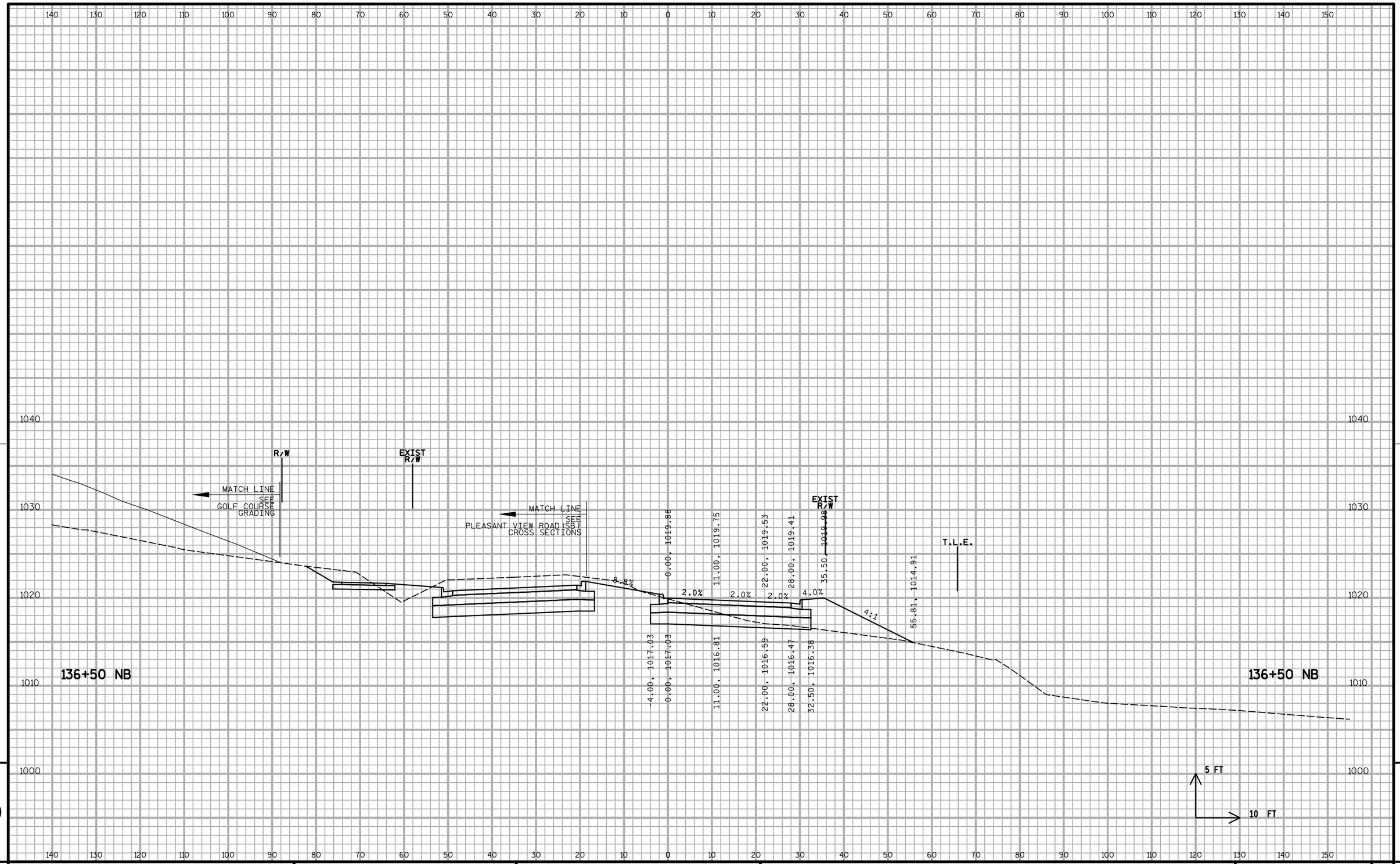
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 952	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

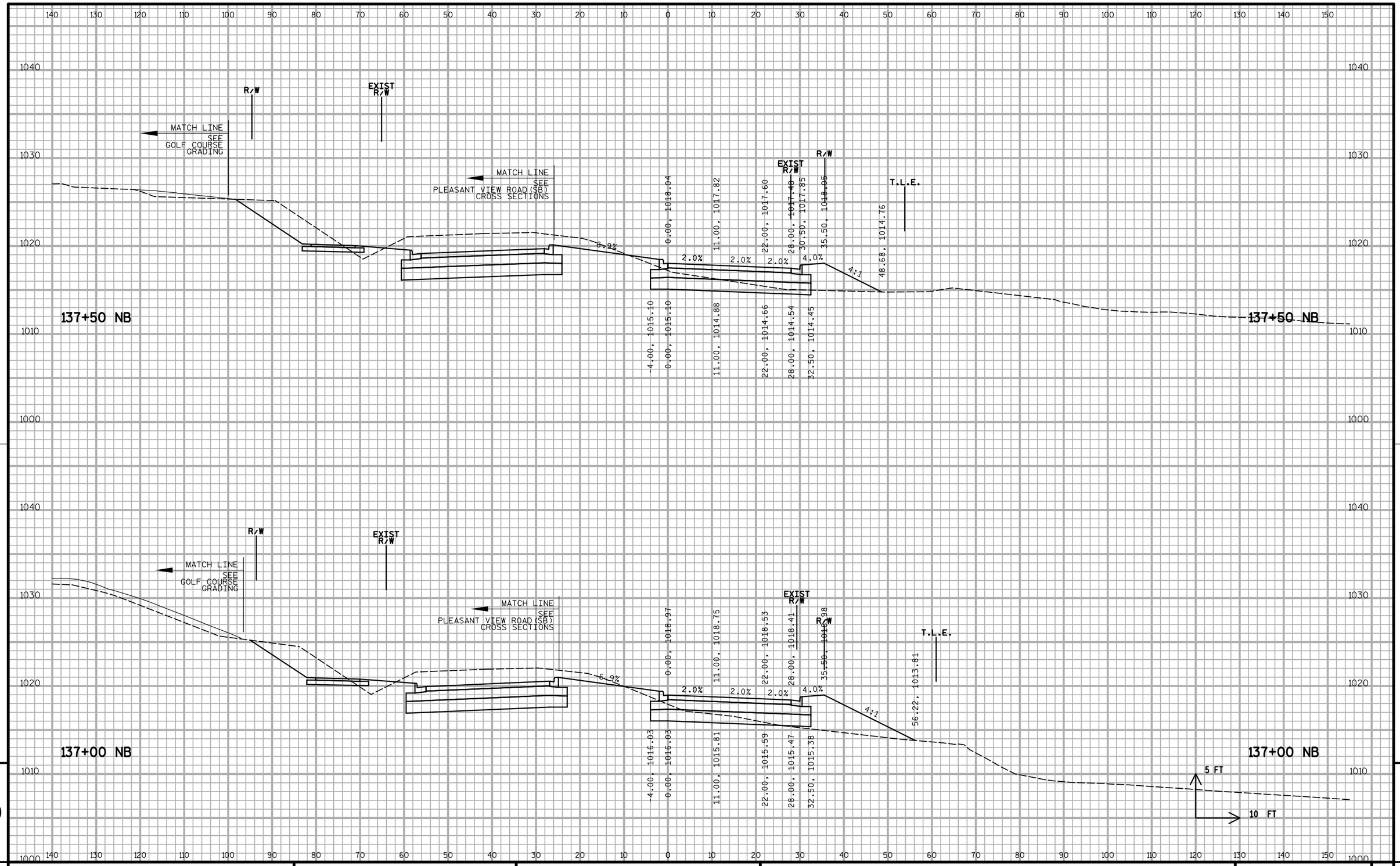


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 953	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

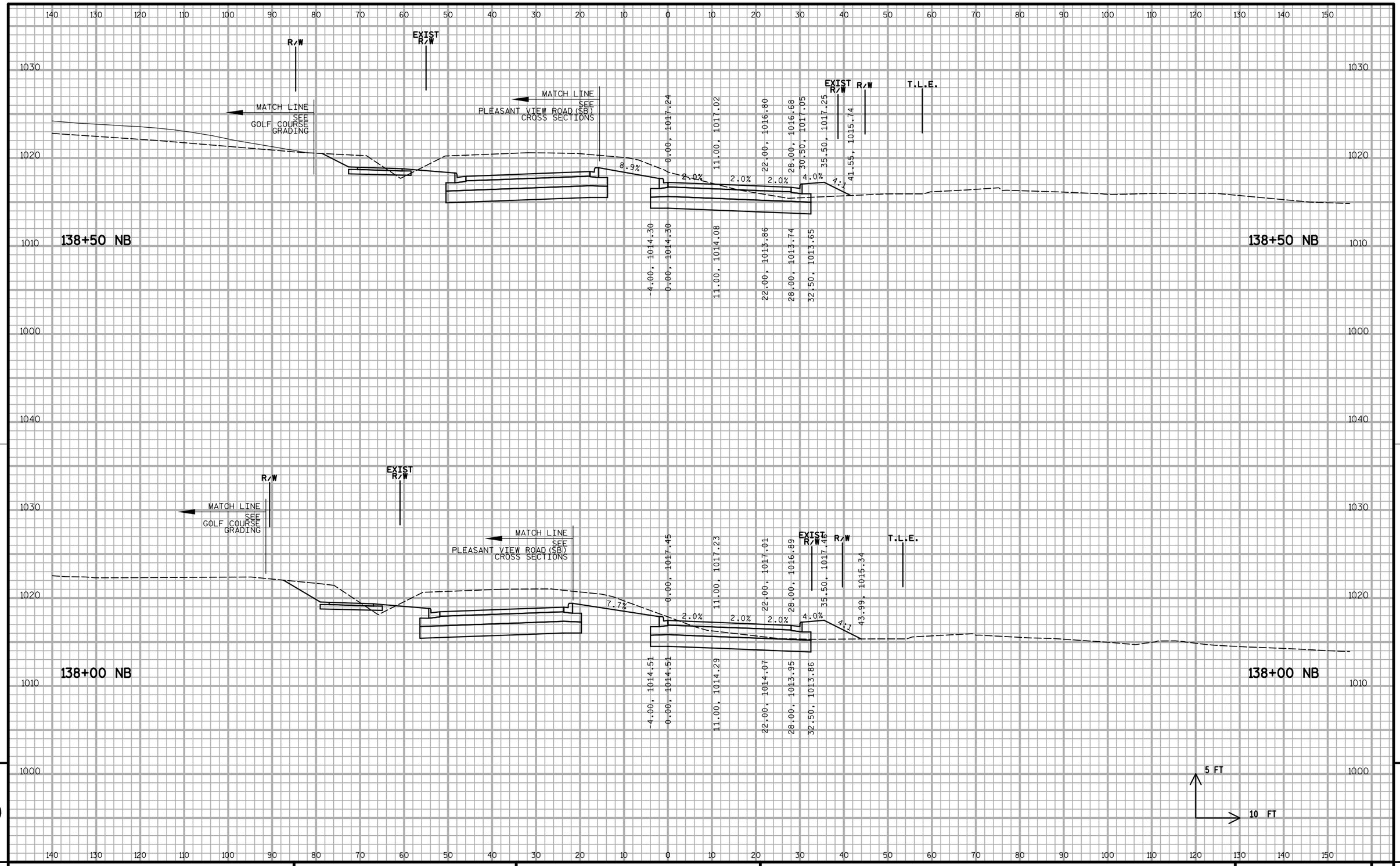


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 954	E

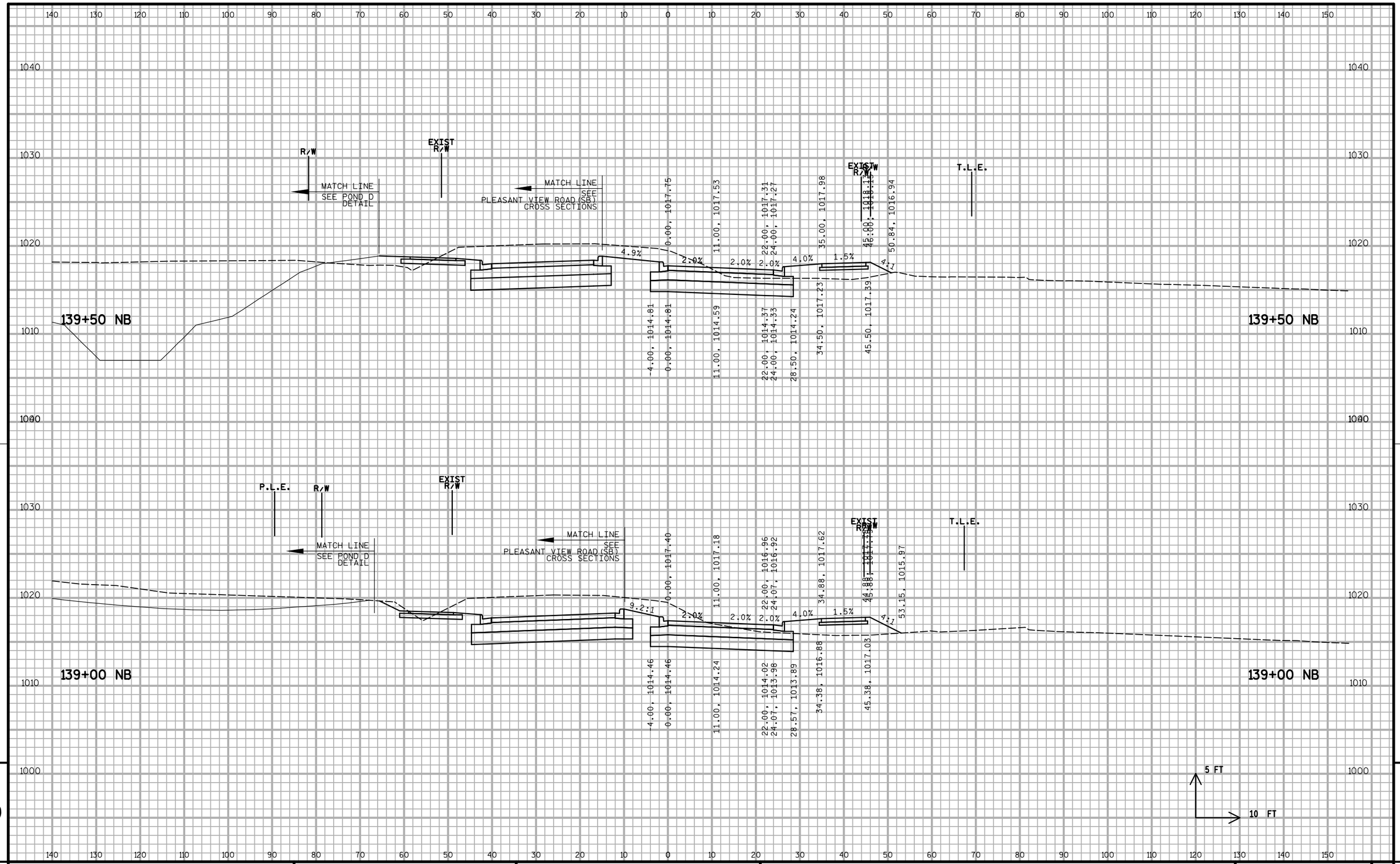
FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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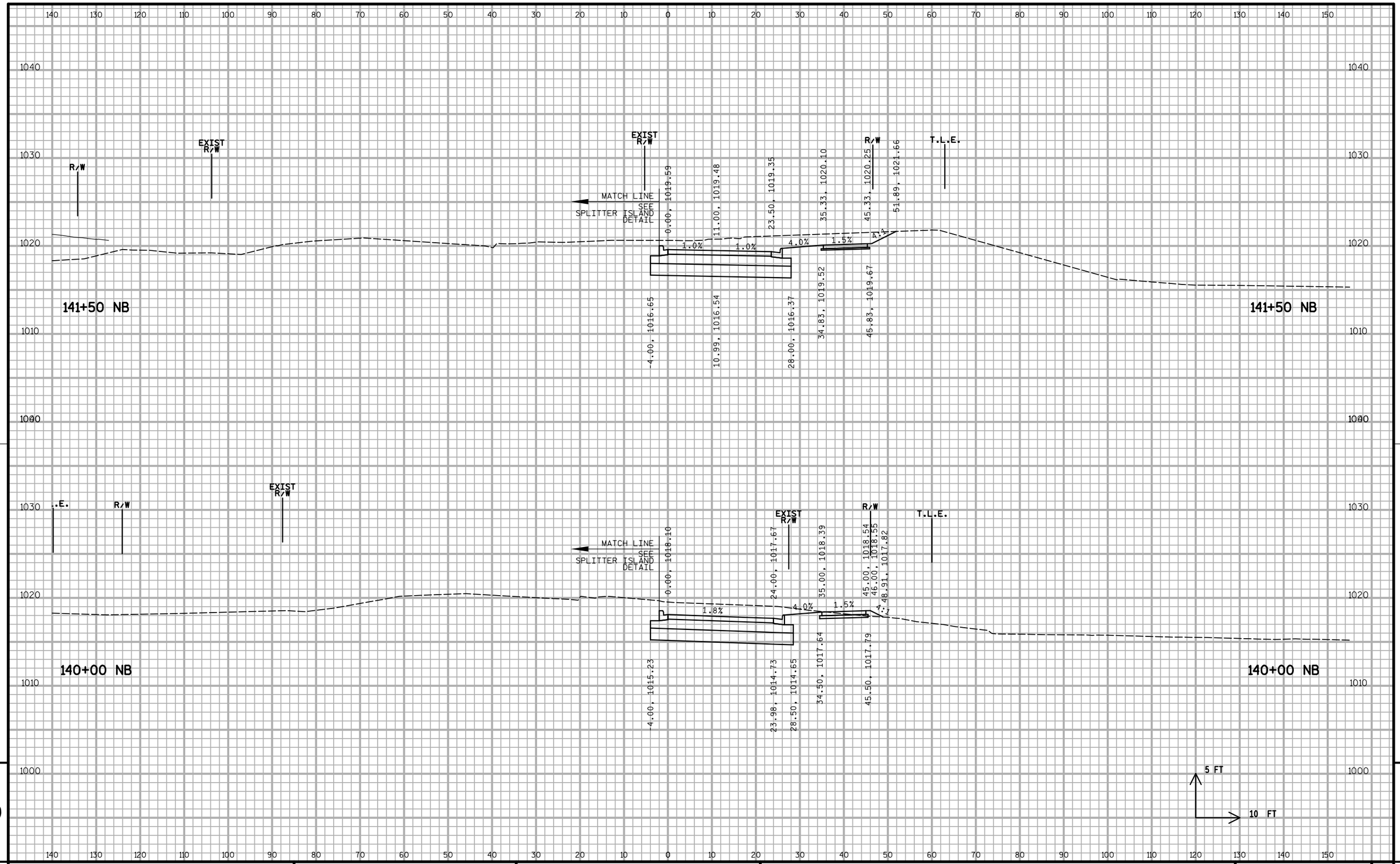
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 955	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 956	E

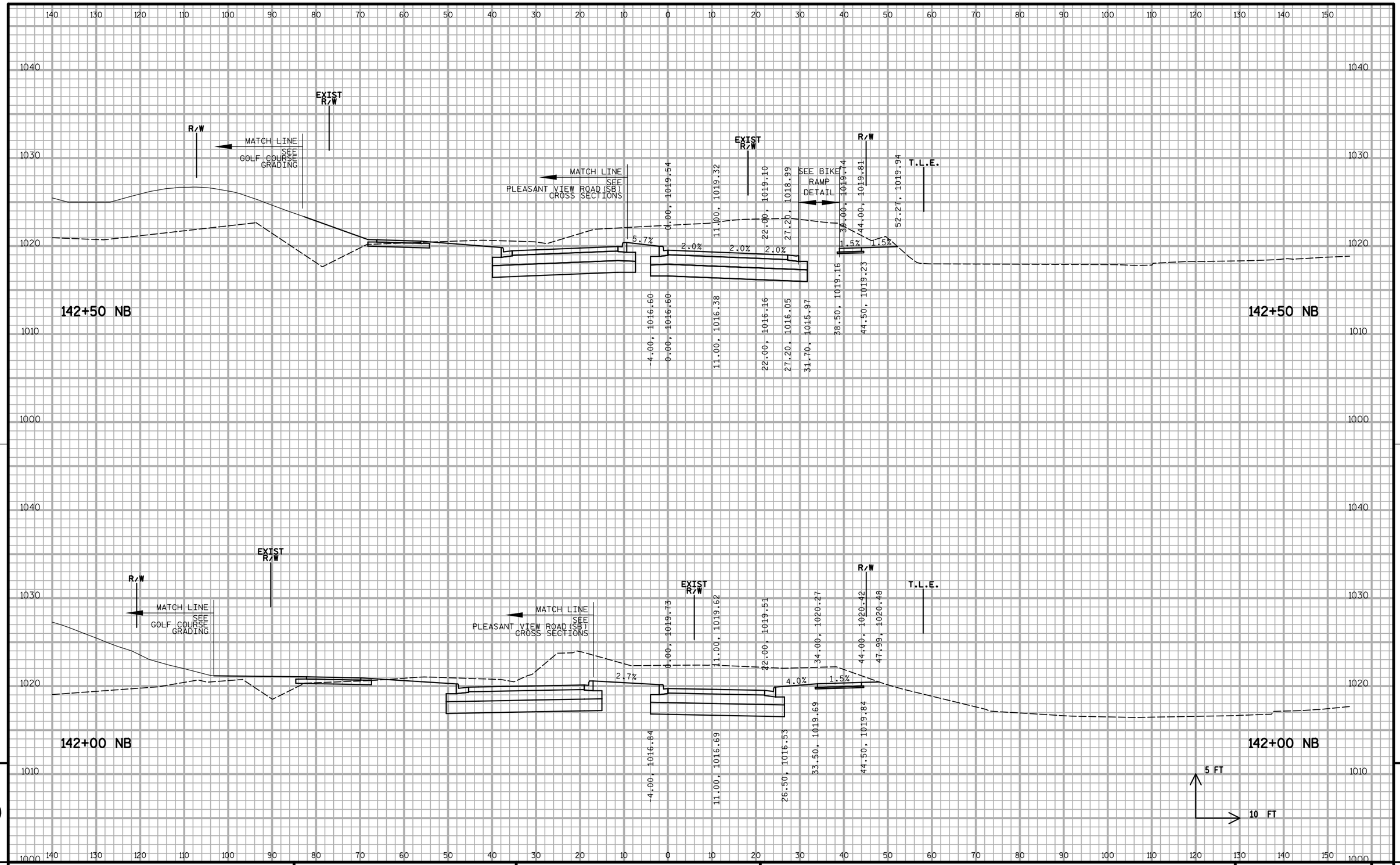
FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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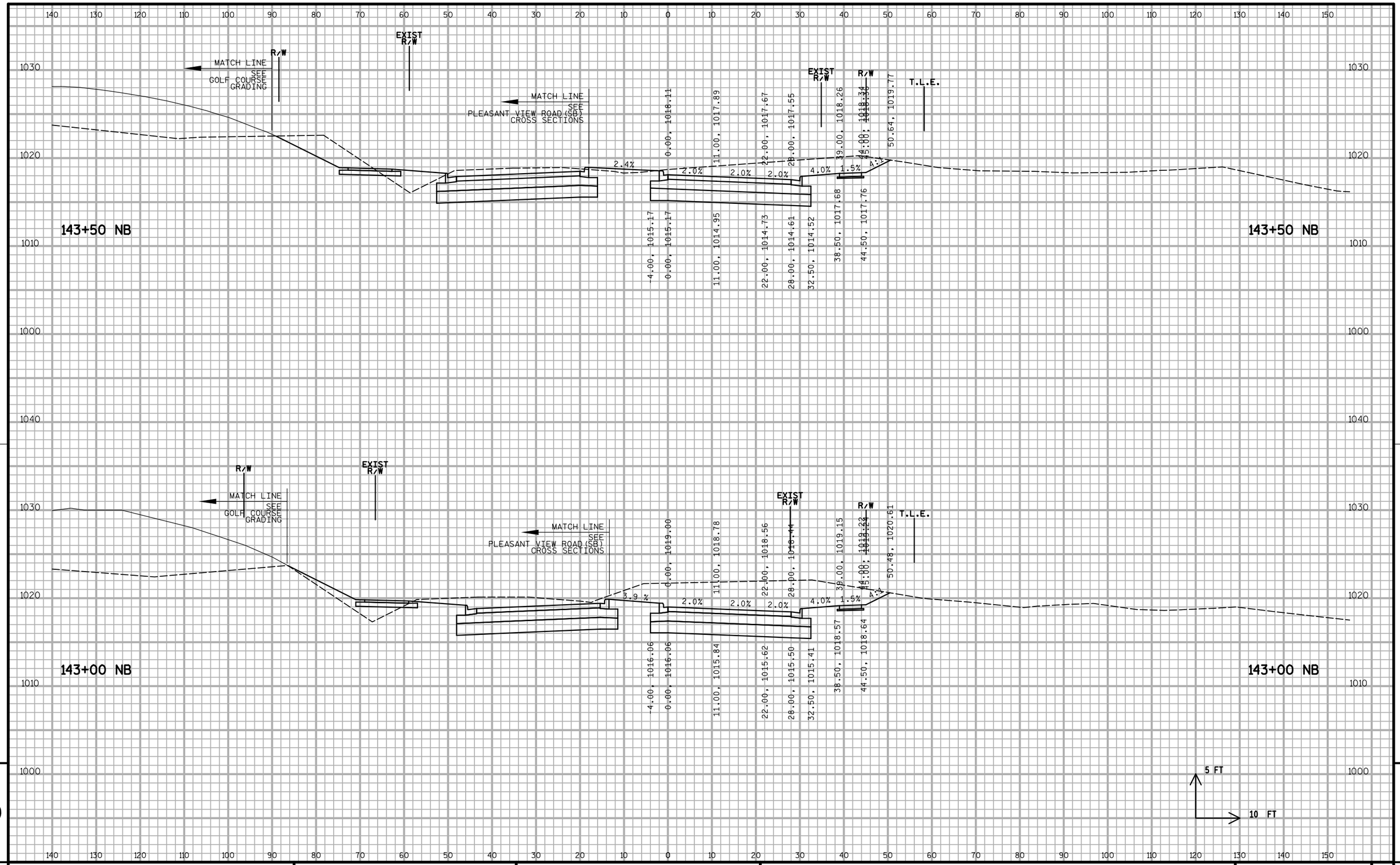
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 957	E



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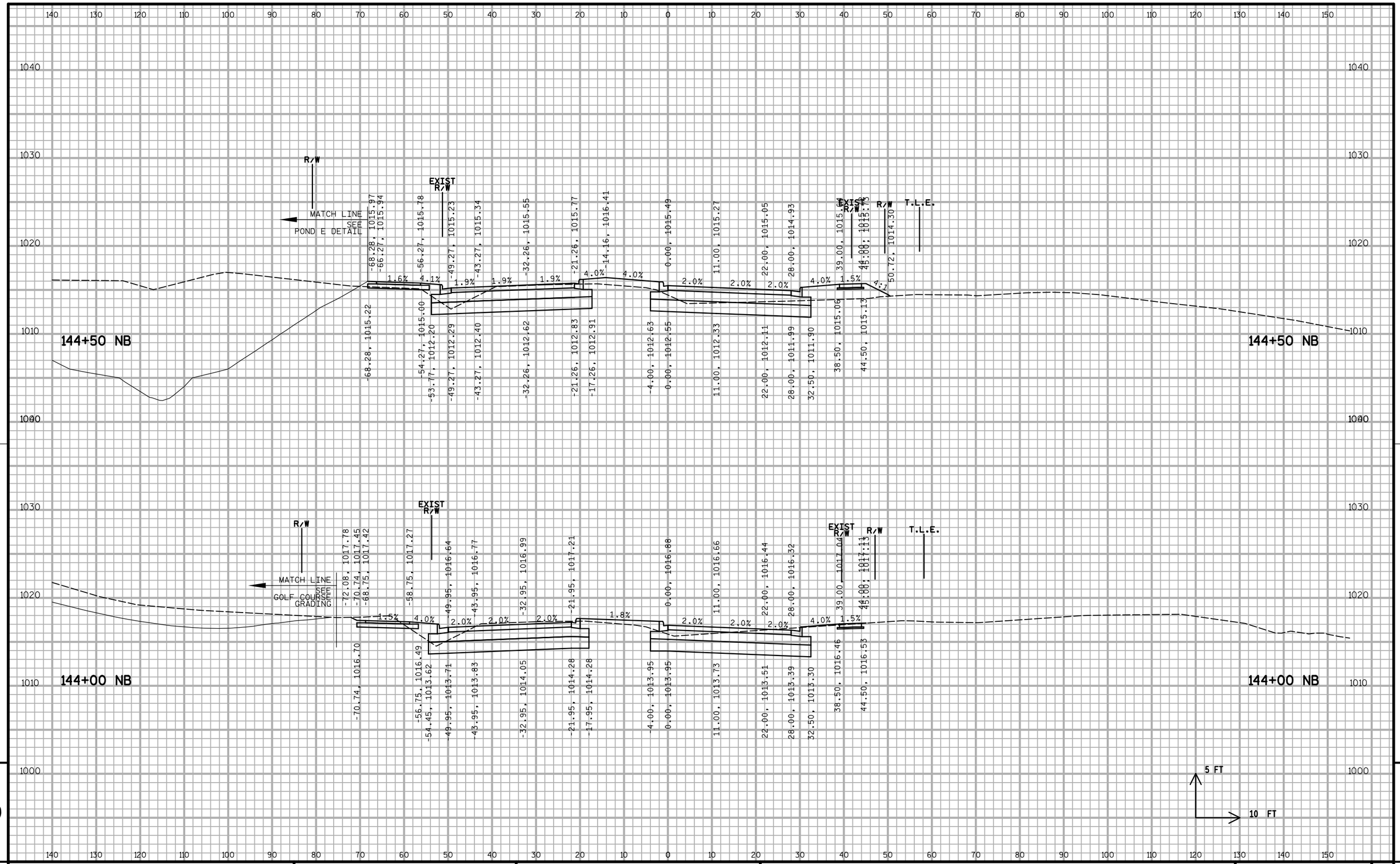
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 958	E



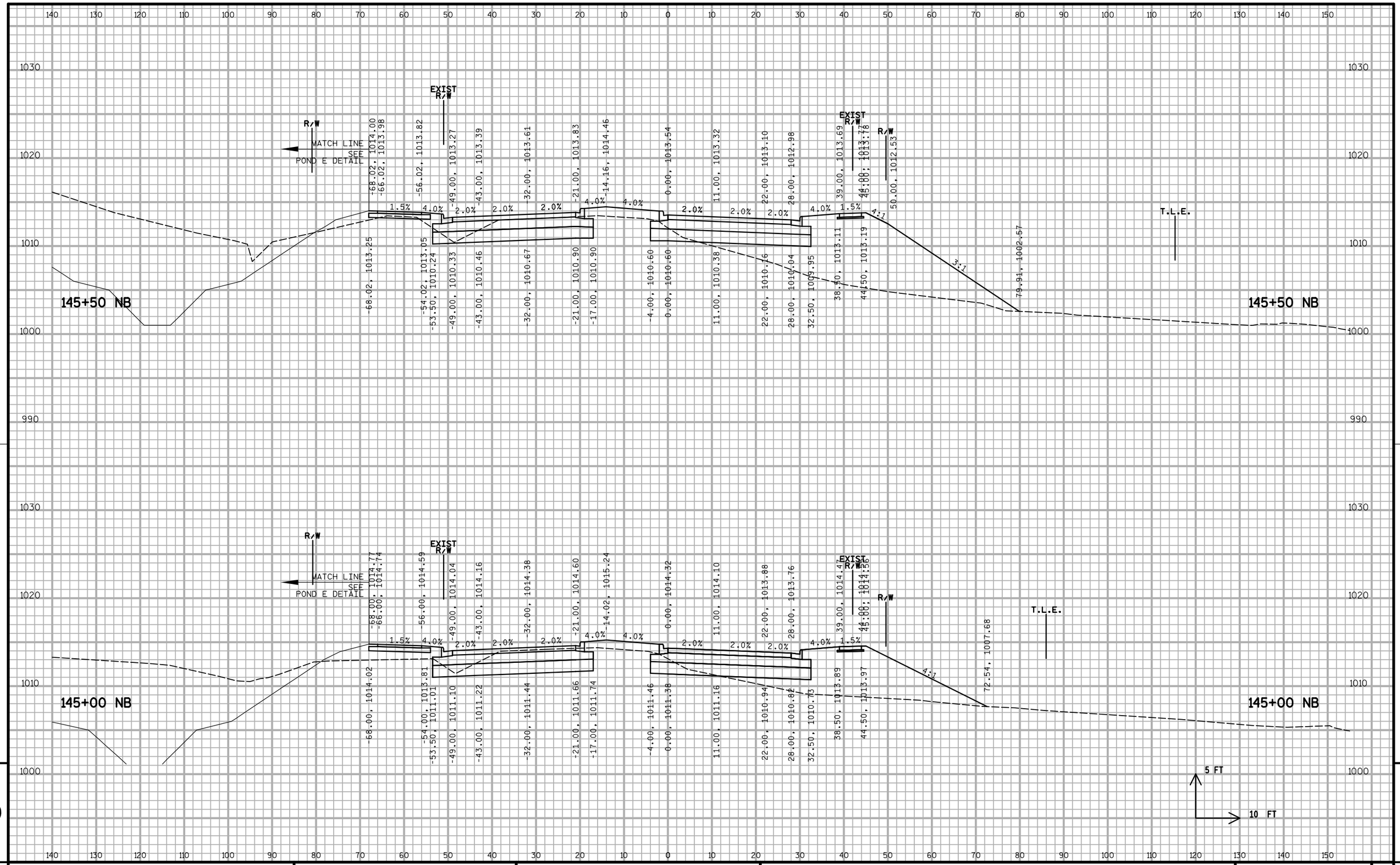
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 959	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



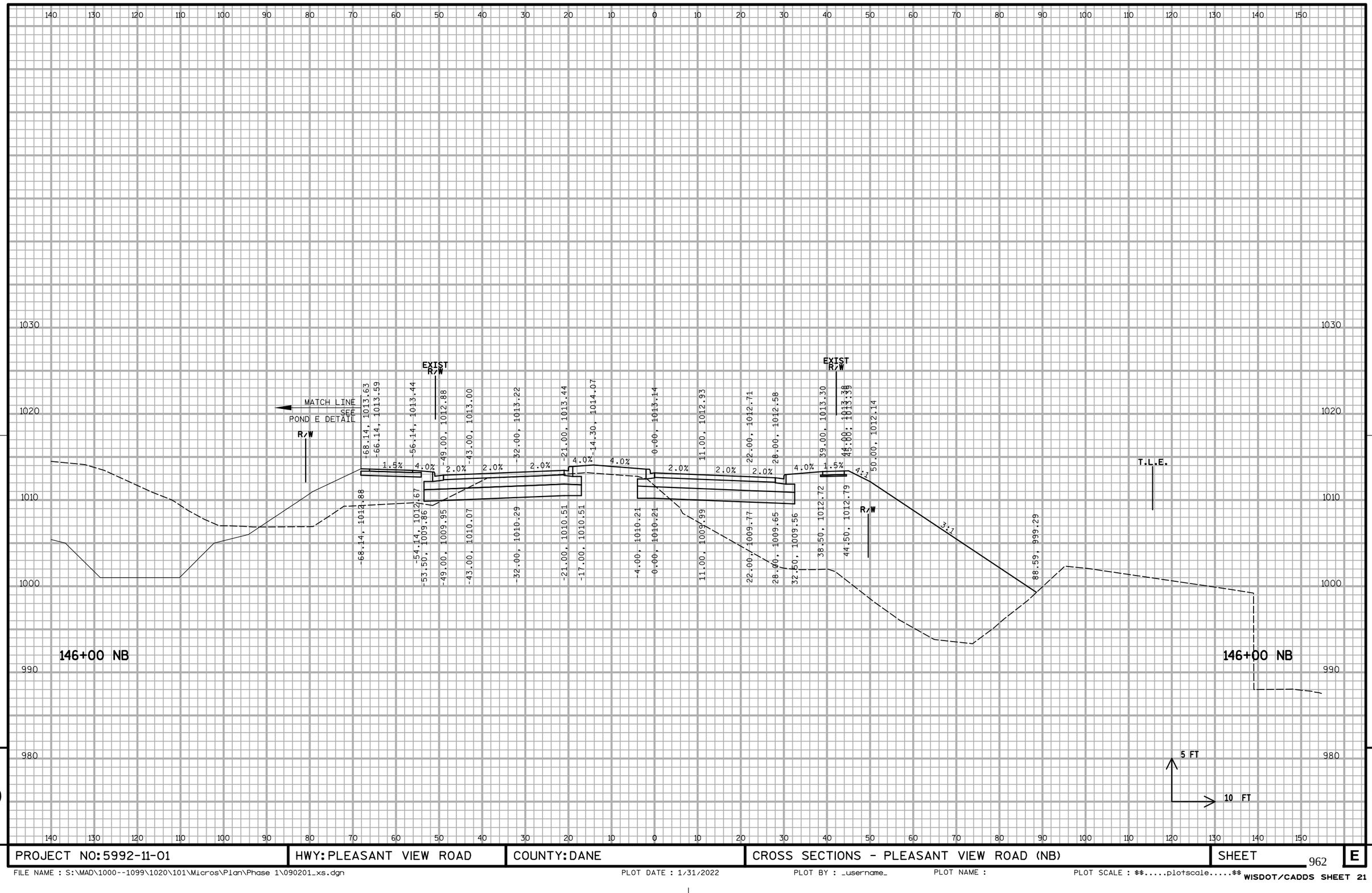
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 960	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 961	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

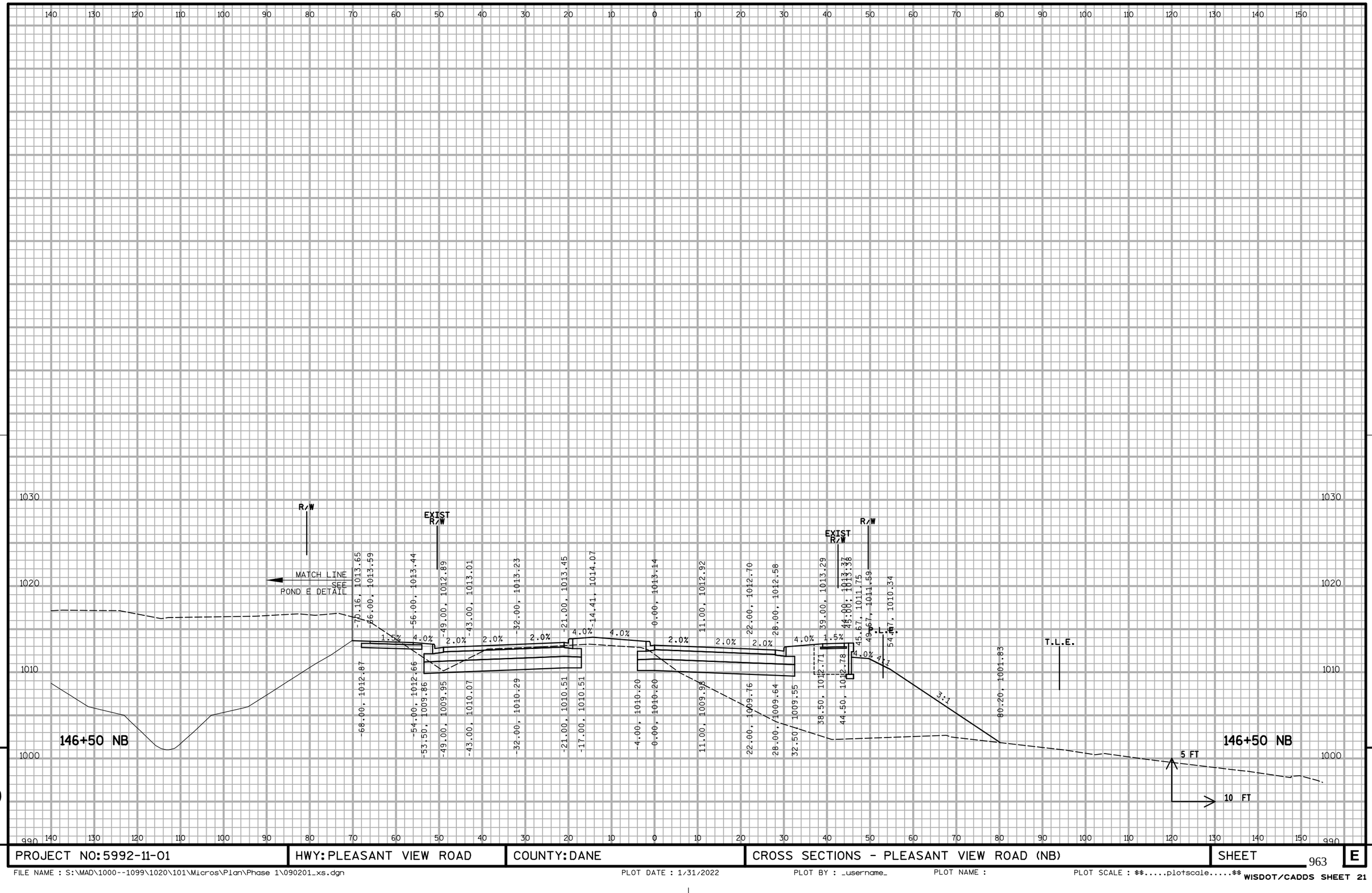


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 962	E

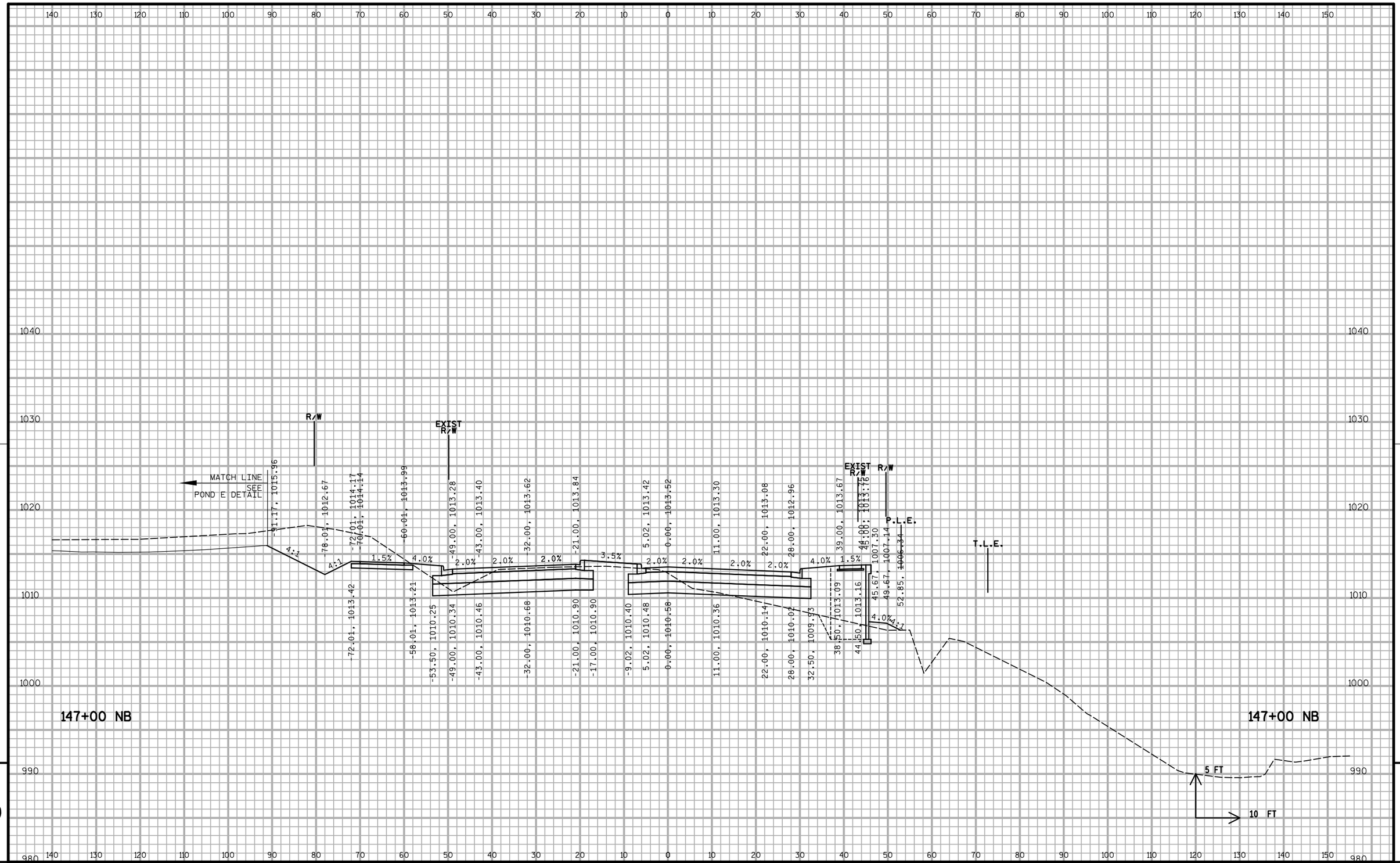
FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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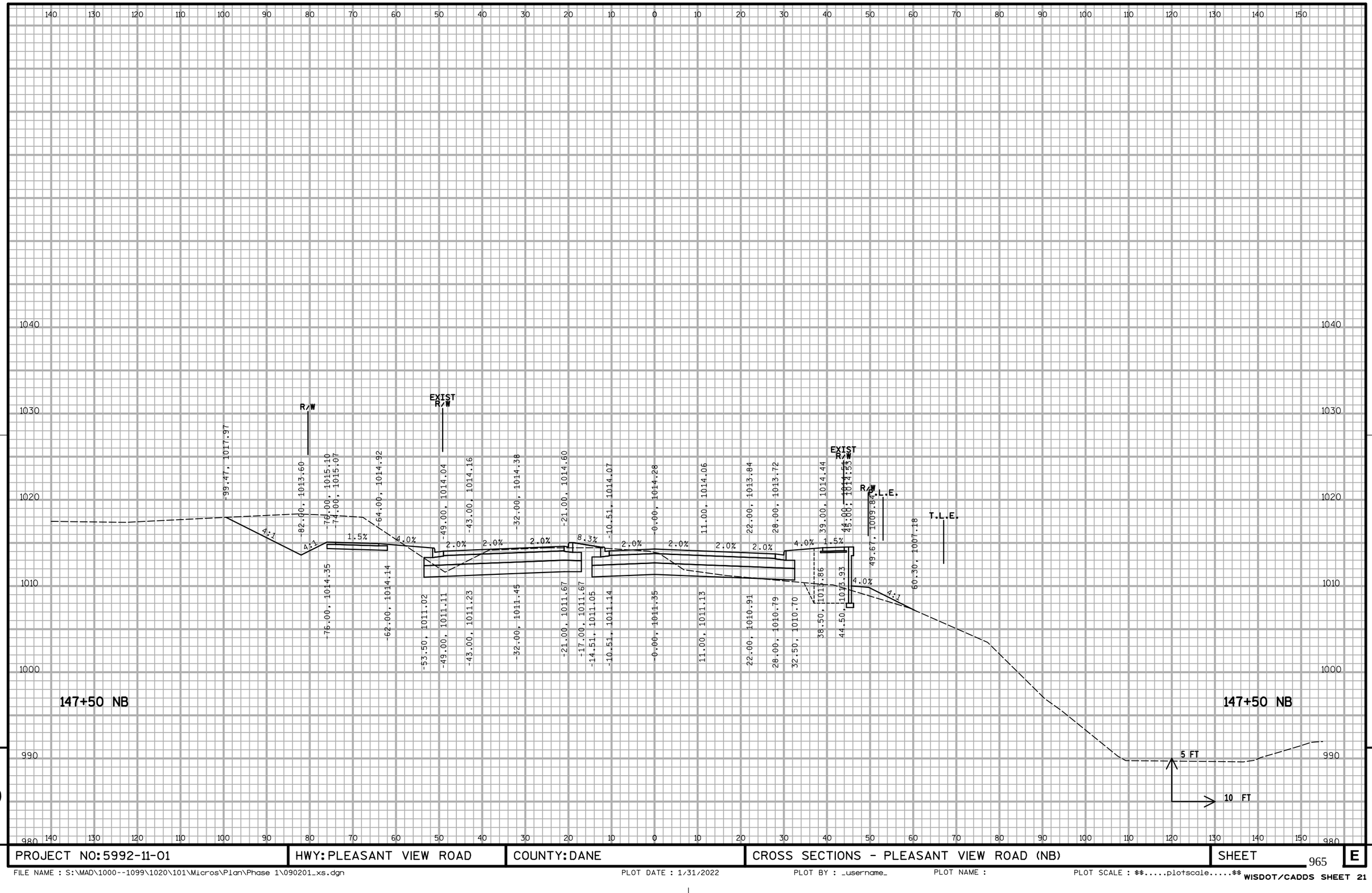
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 963	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



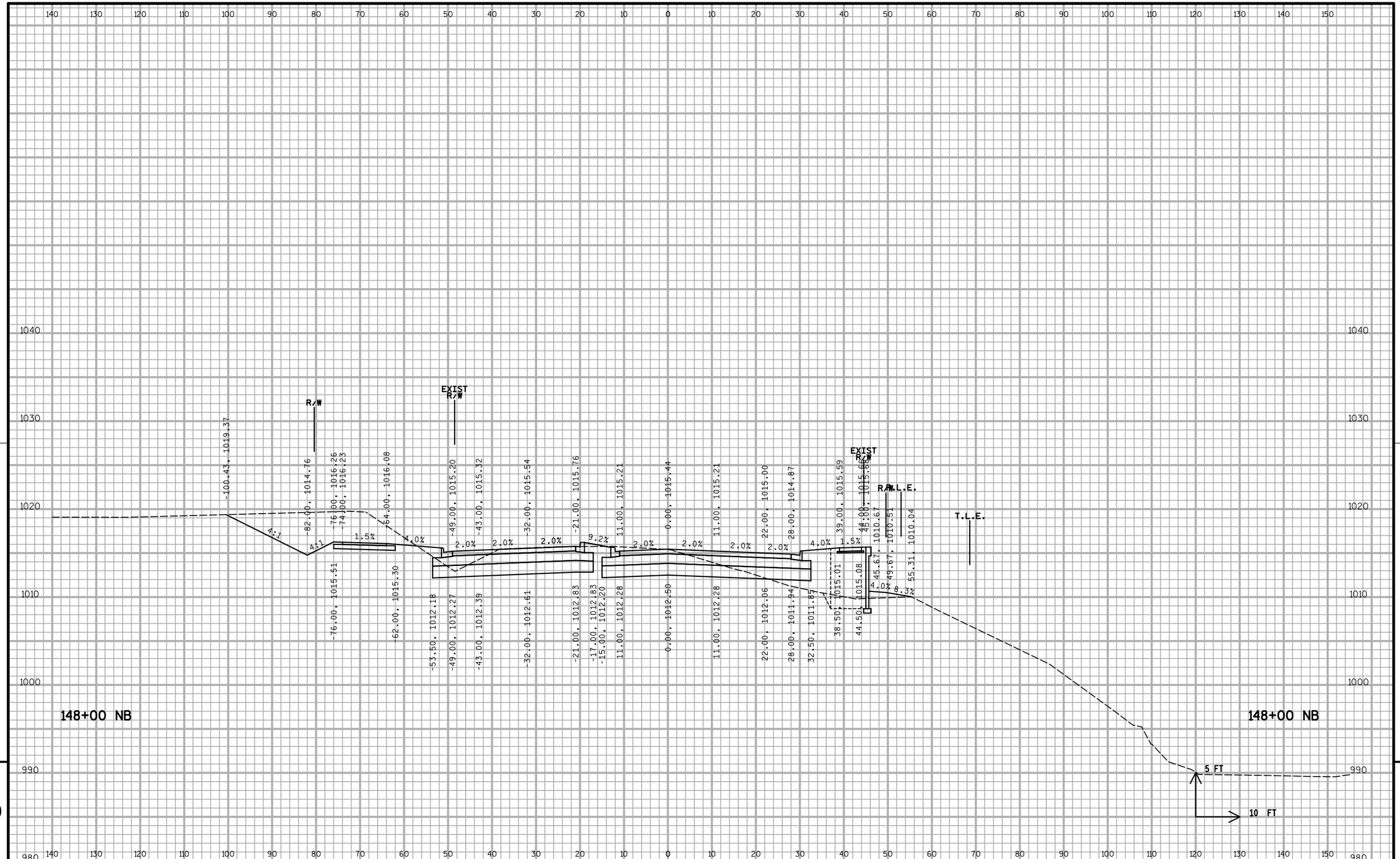
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 964	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 965	E

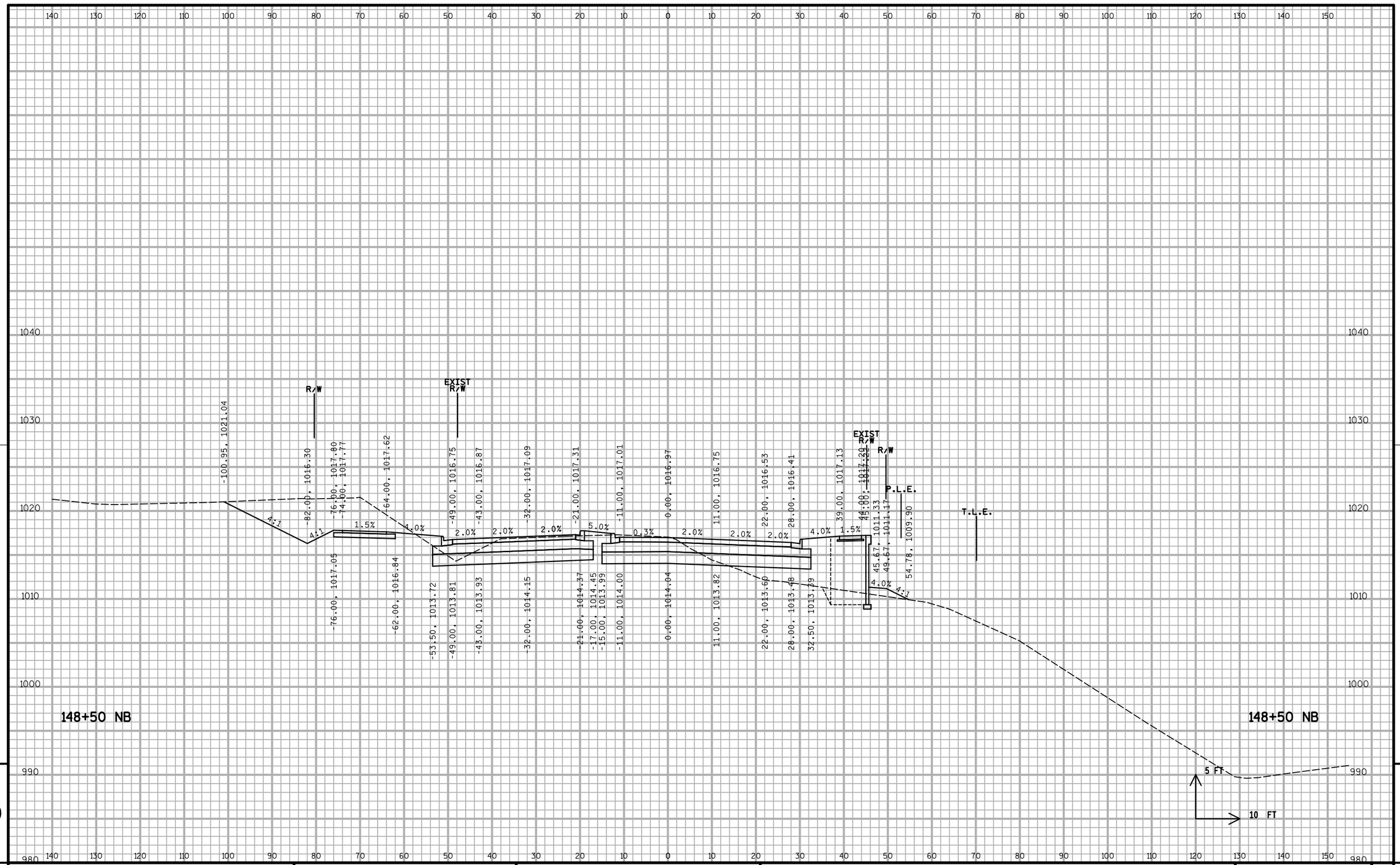
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 966	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



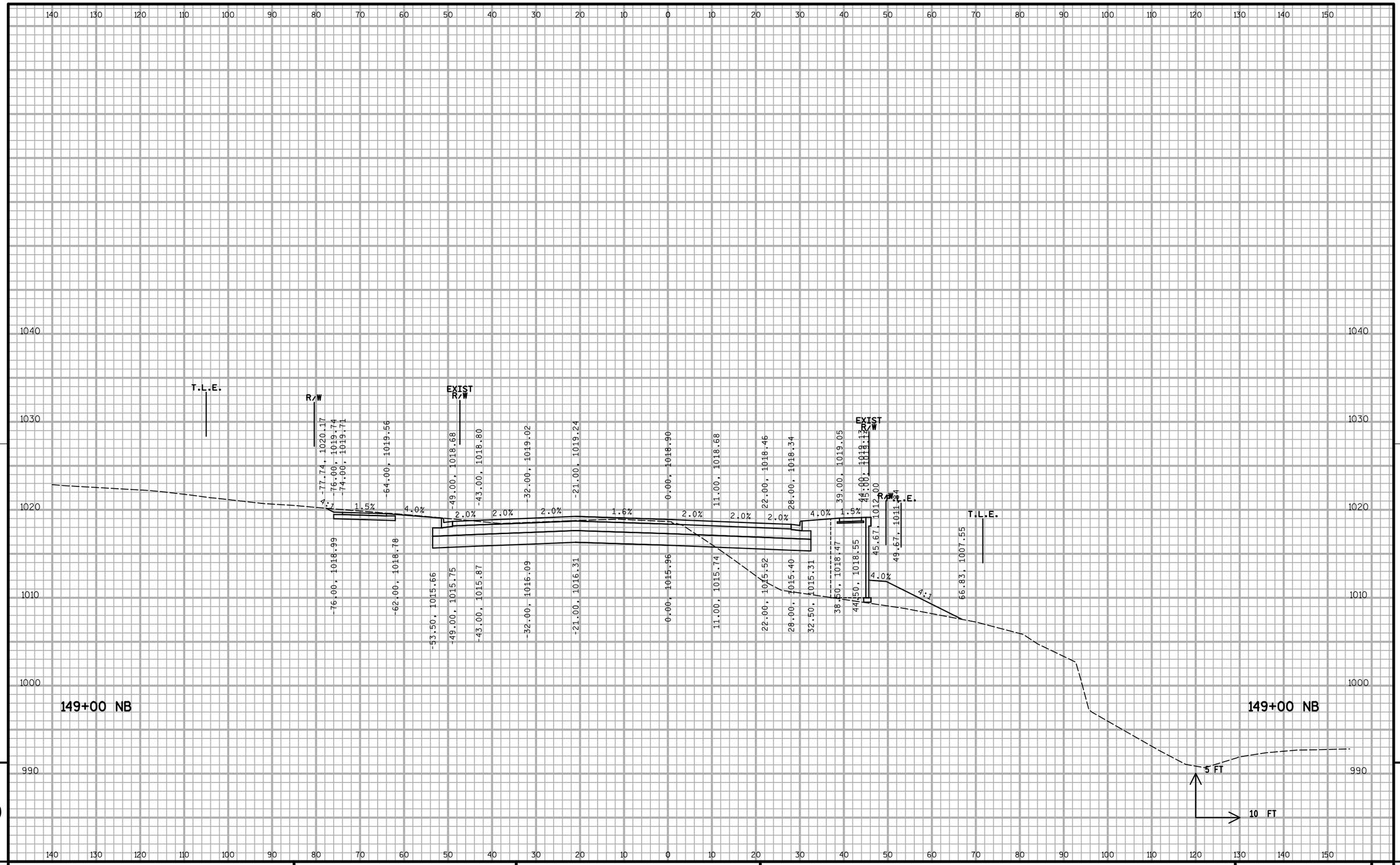
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 967	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

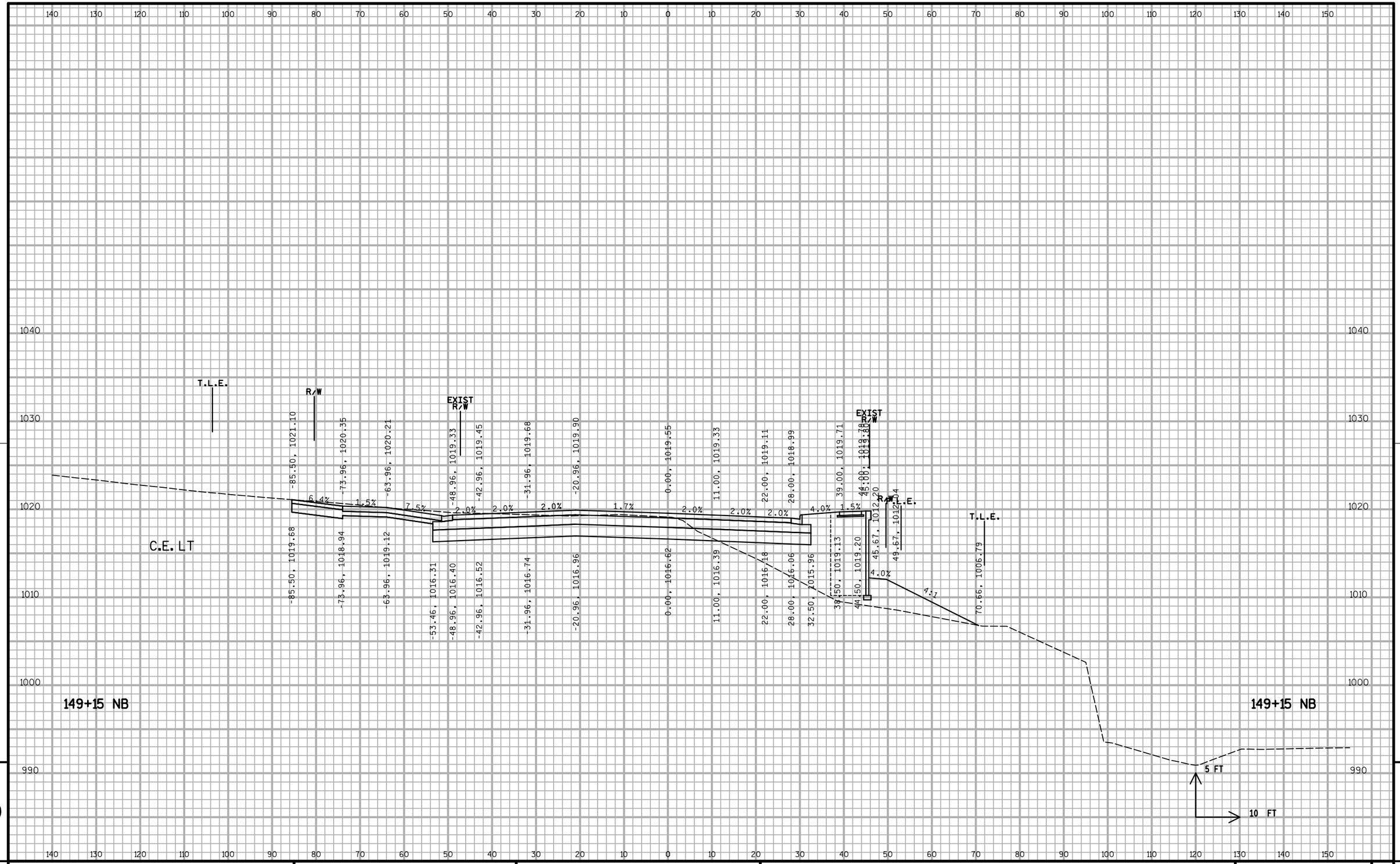
WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 968 E

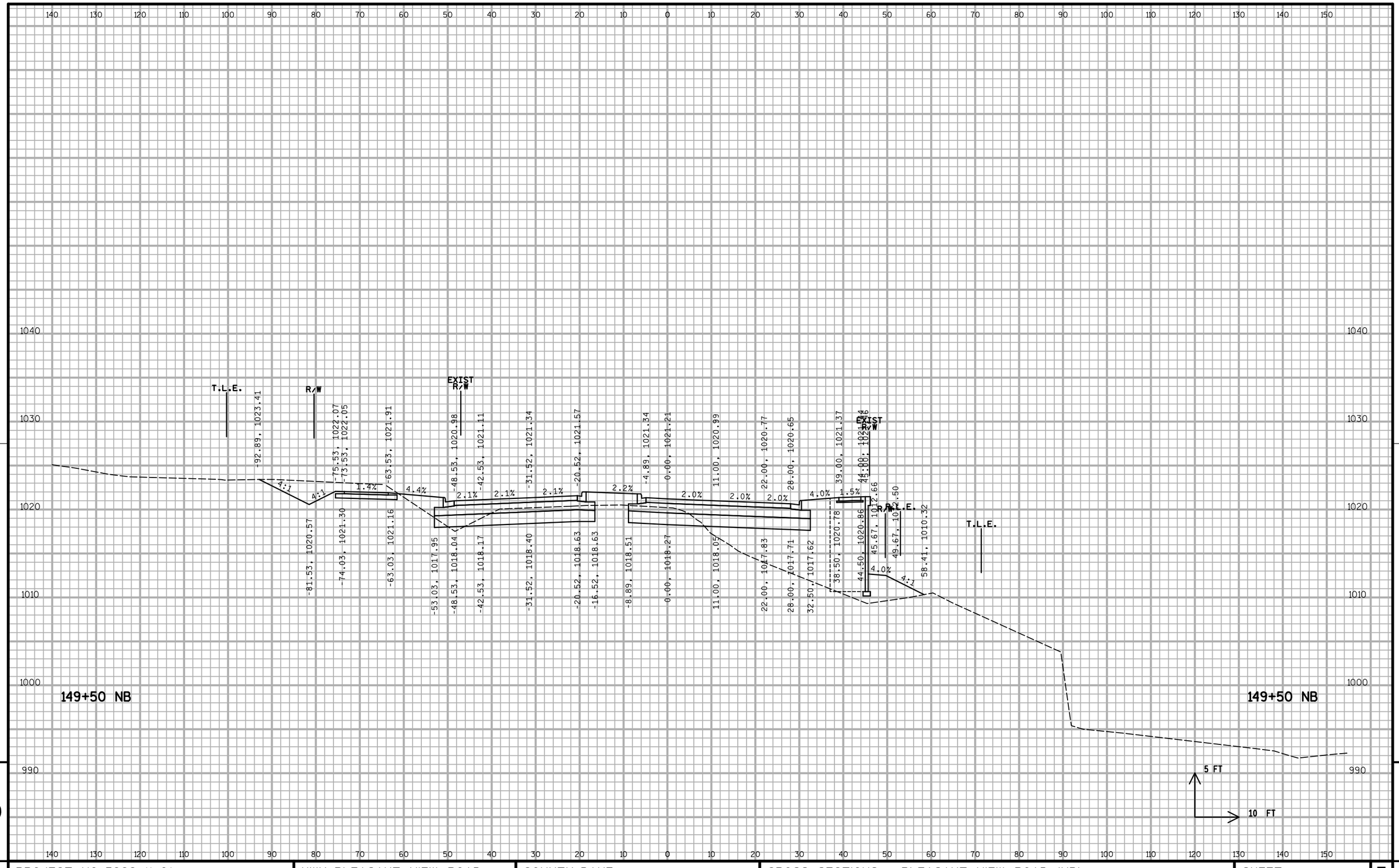
FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



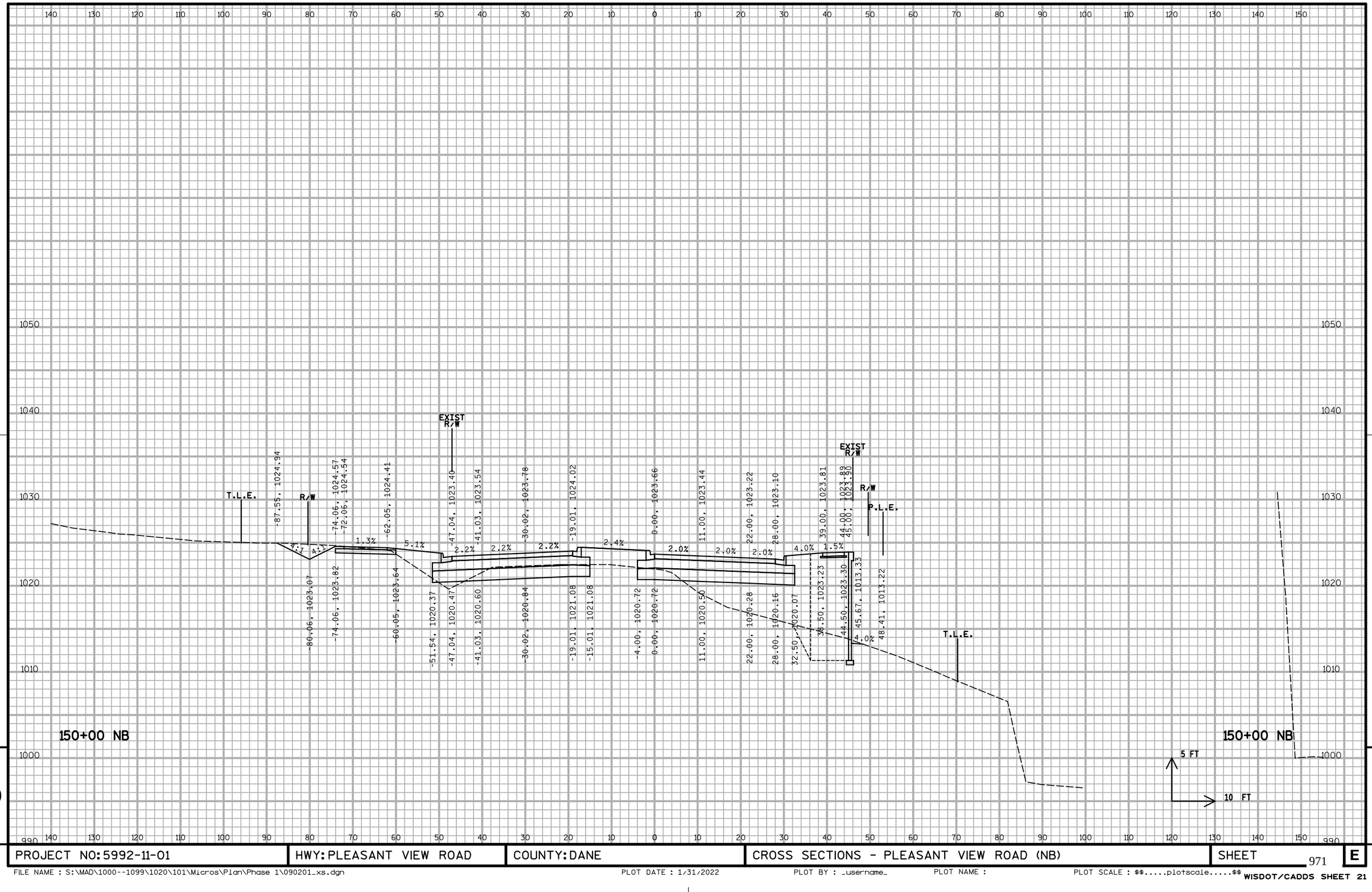
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 969	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 970	E

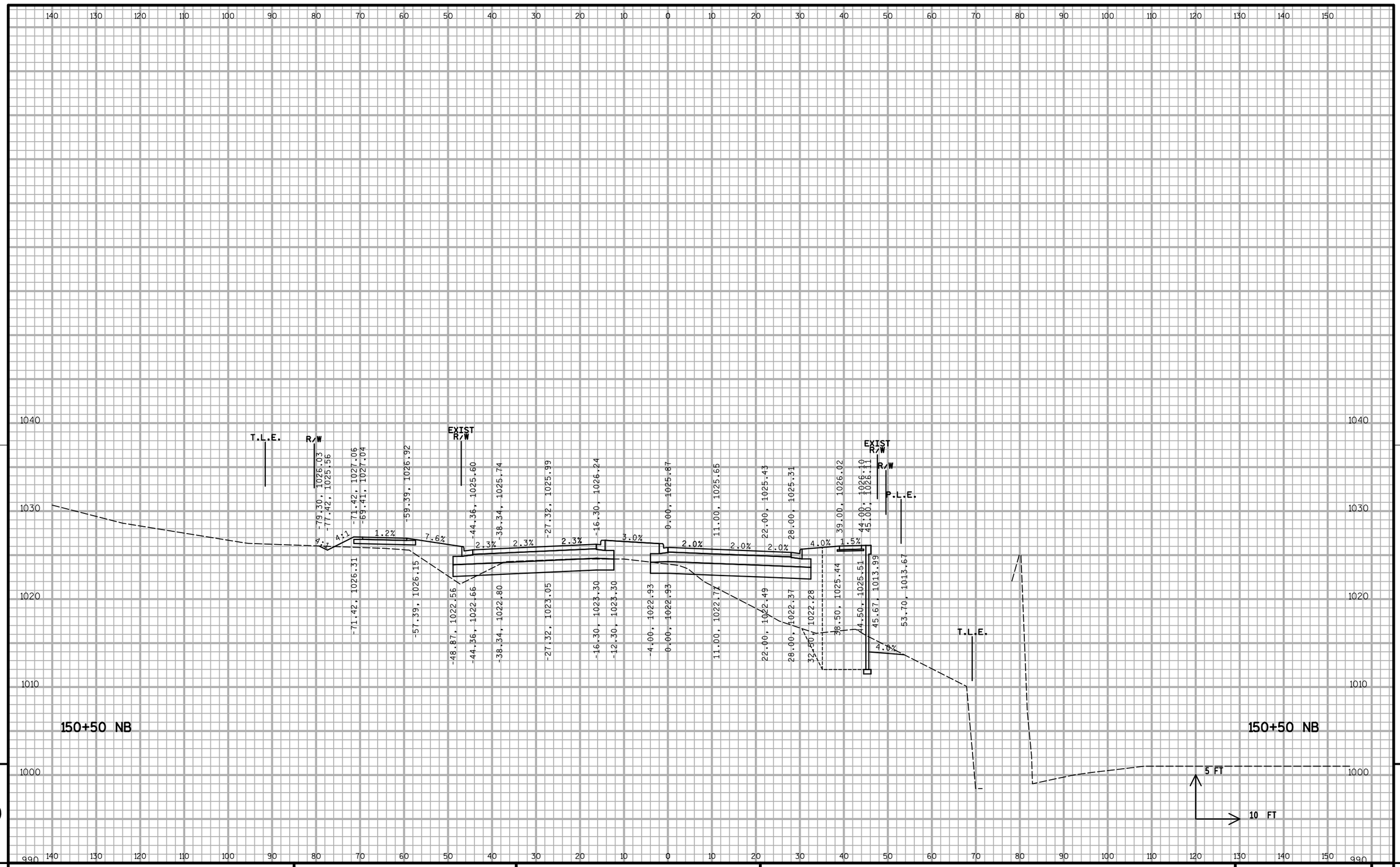
FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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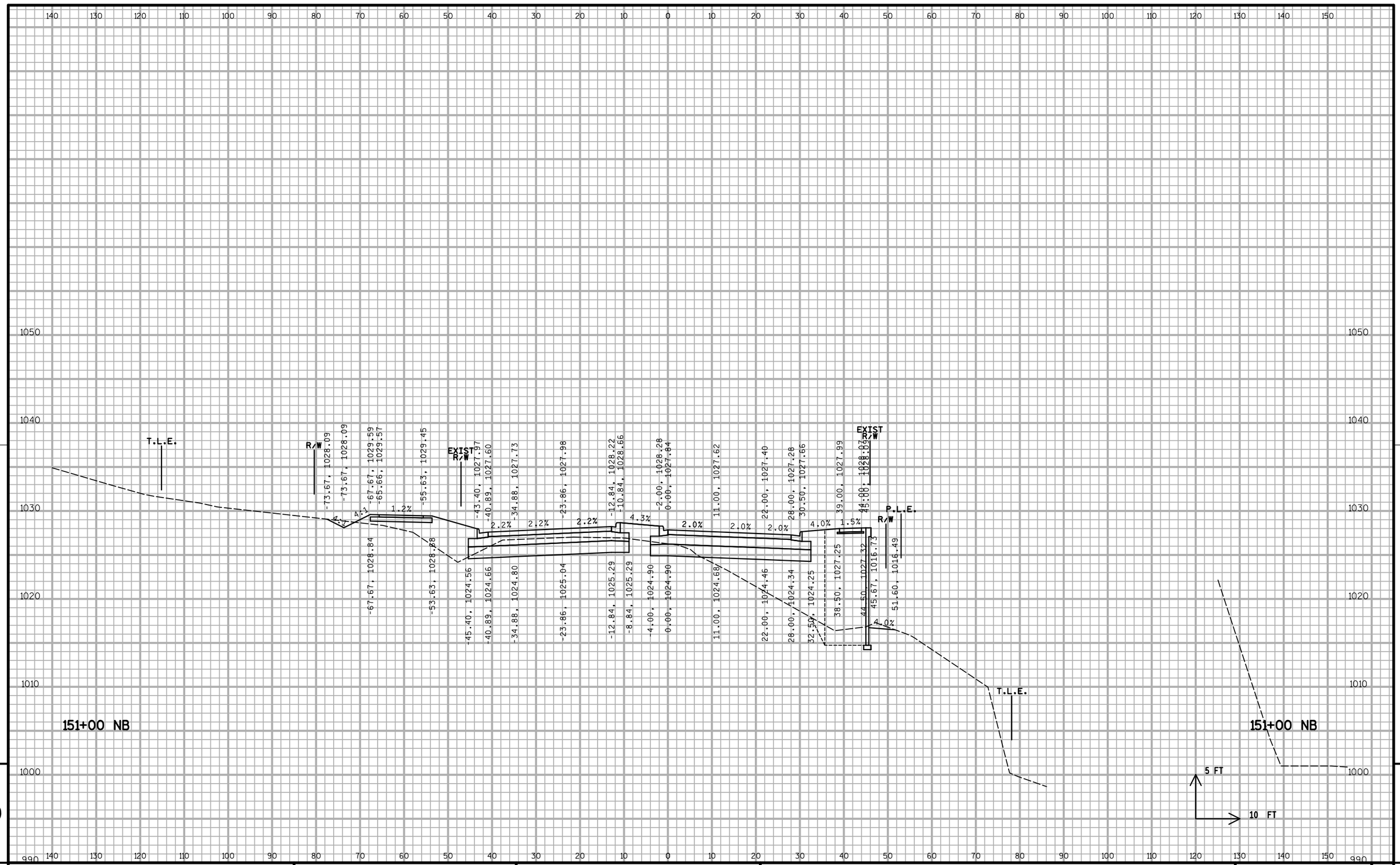
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 971	E



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 972	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



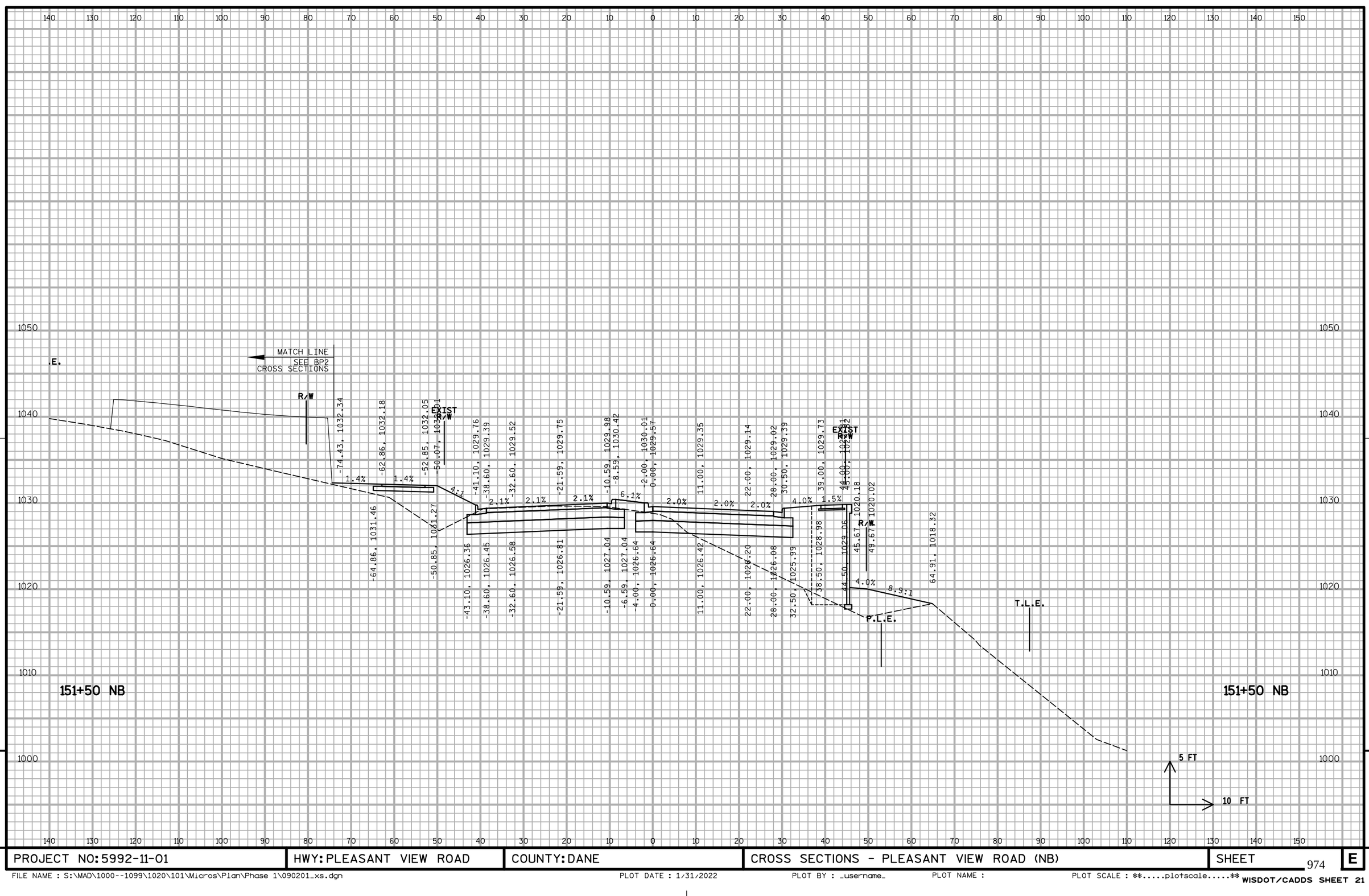
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 973	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



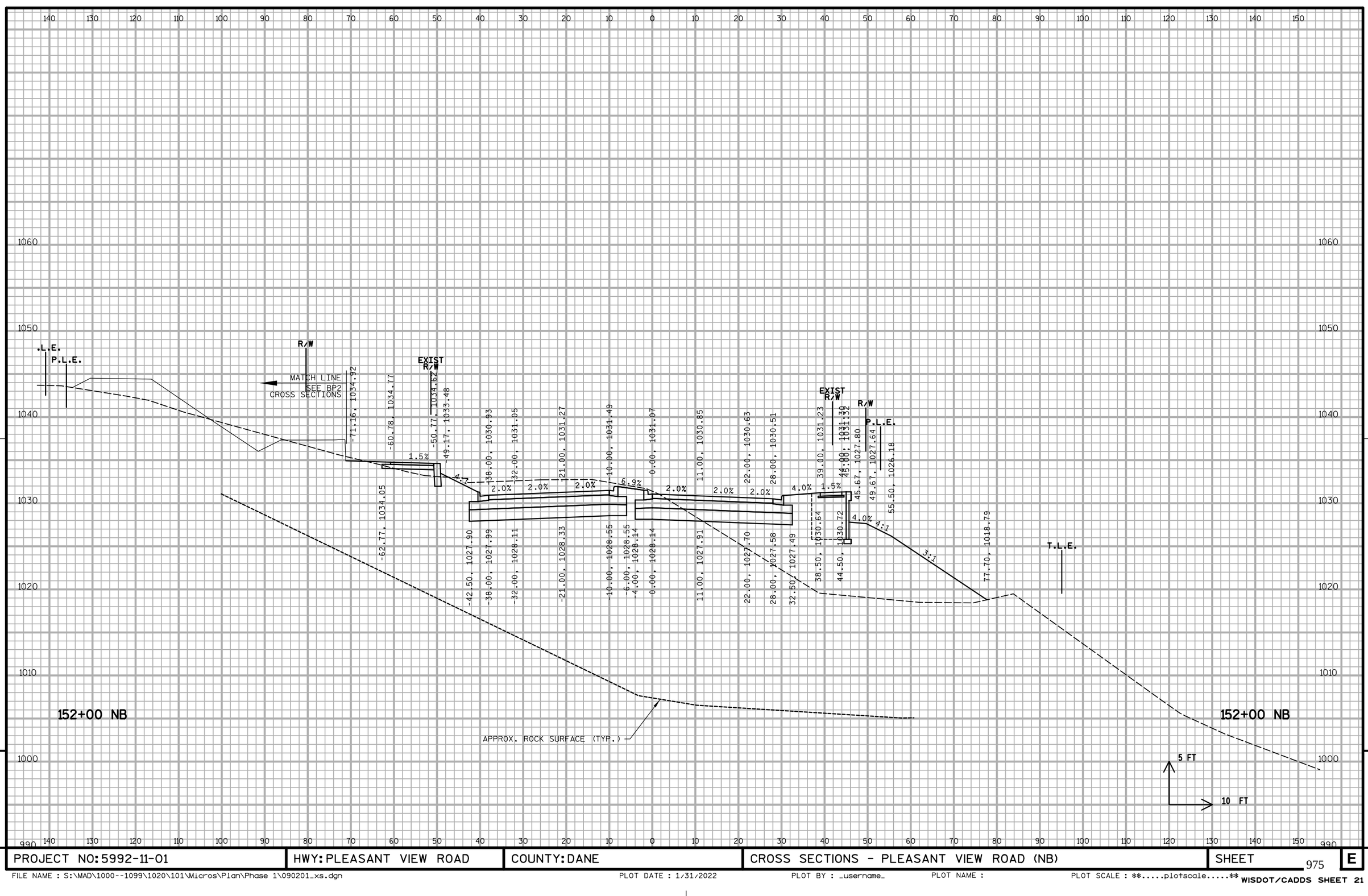
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 974	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

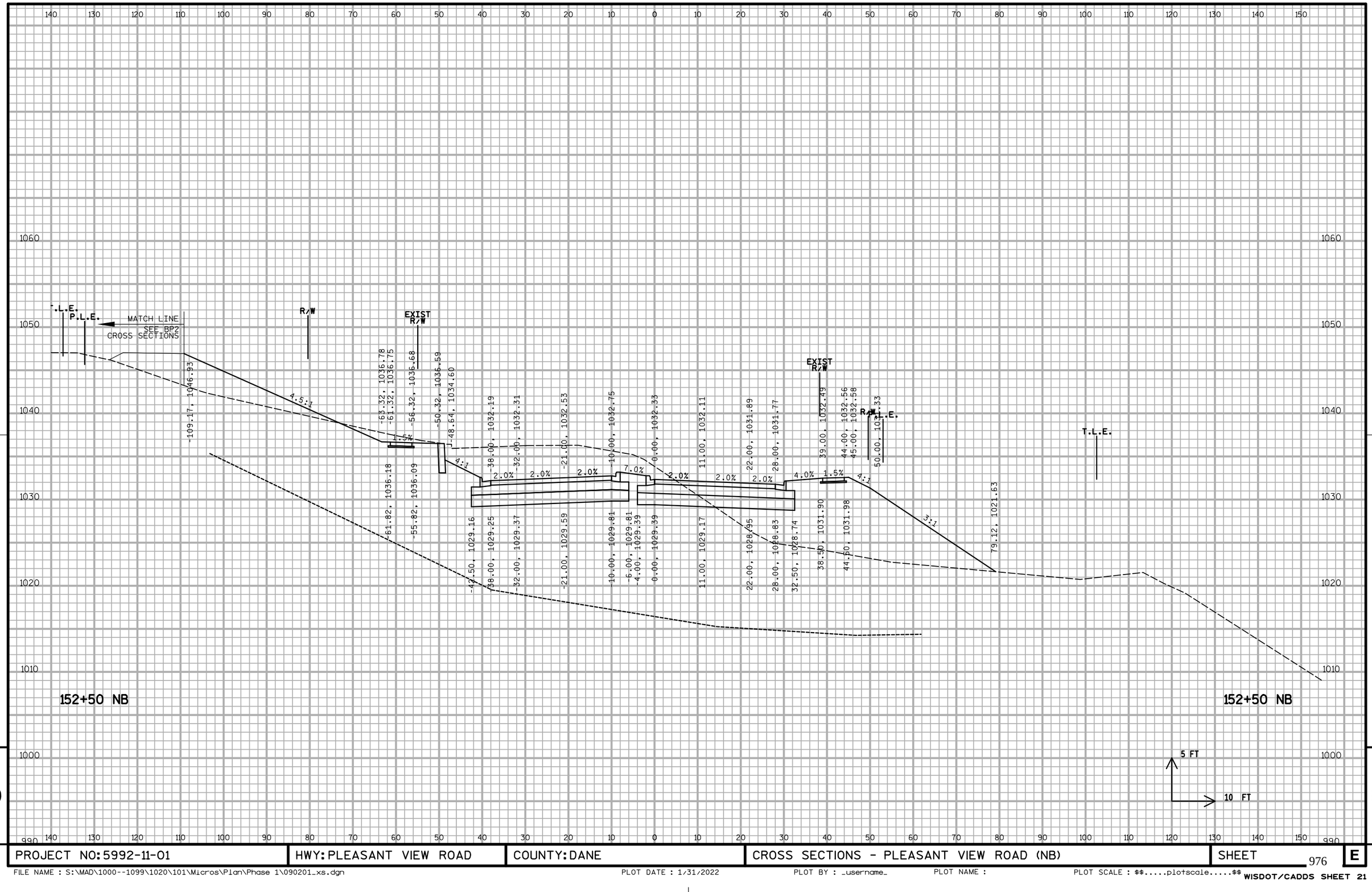
WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 975	E

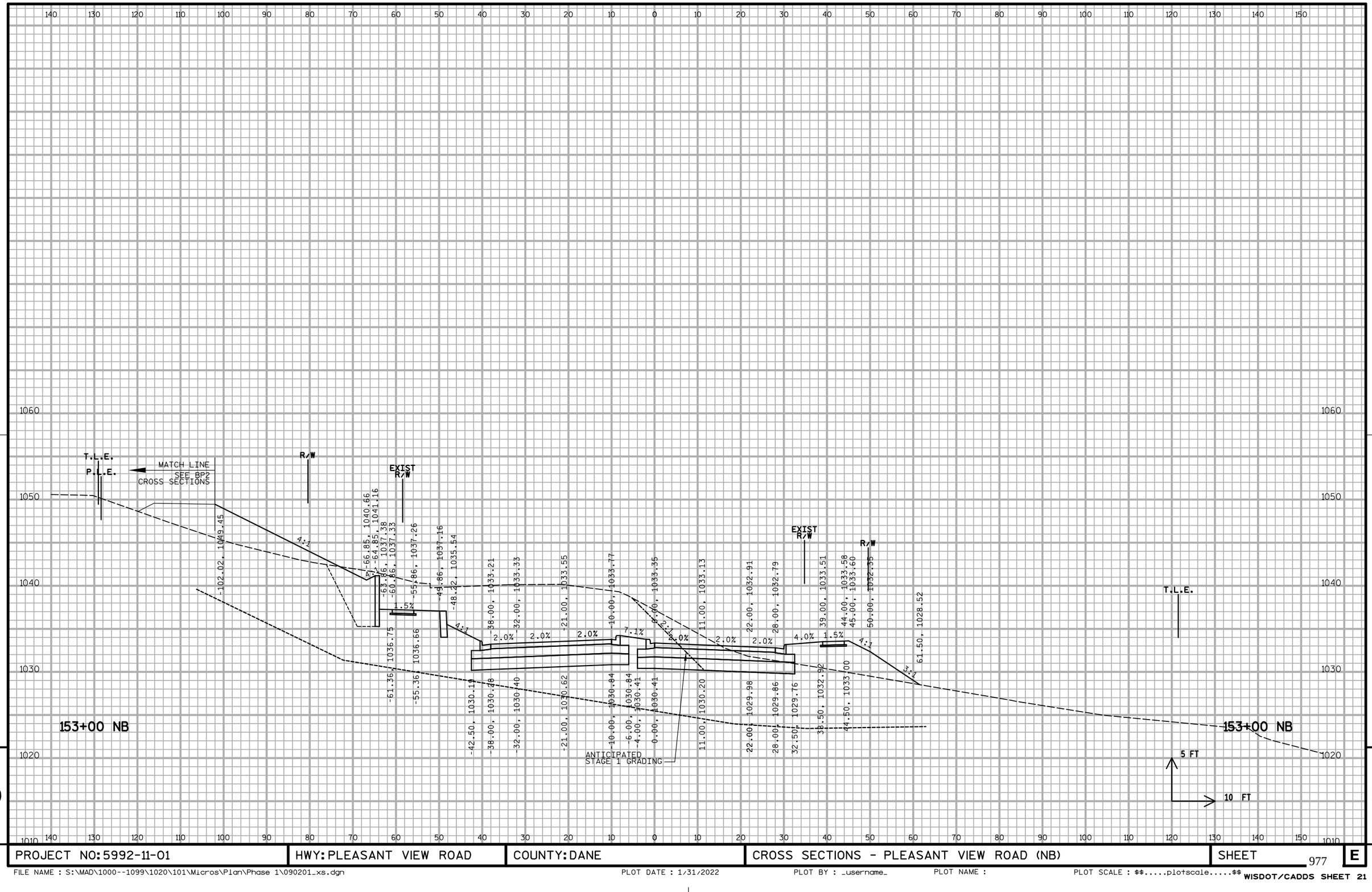
FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



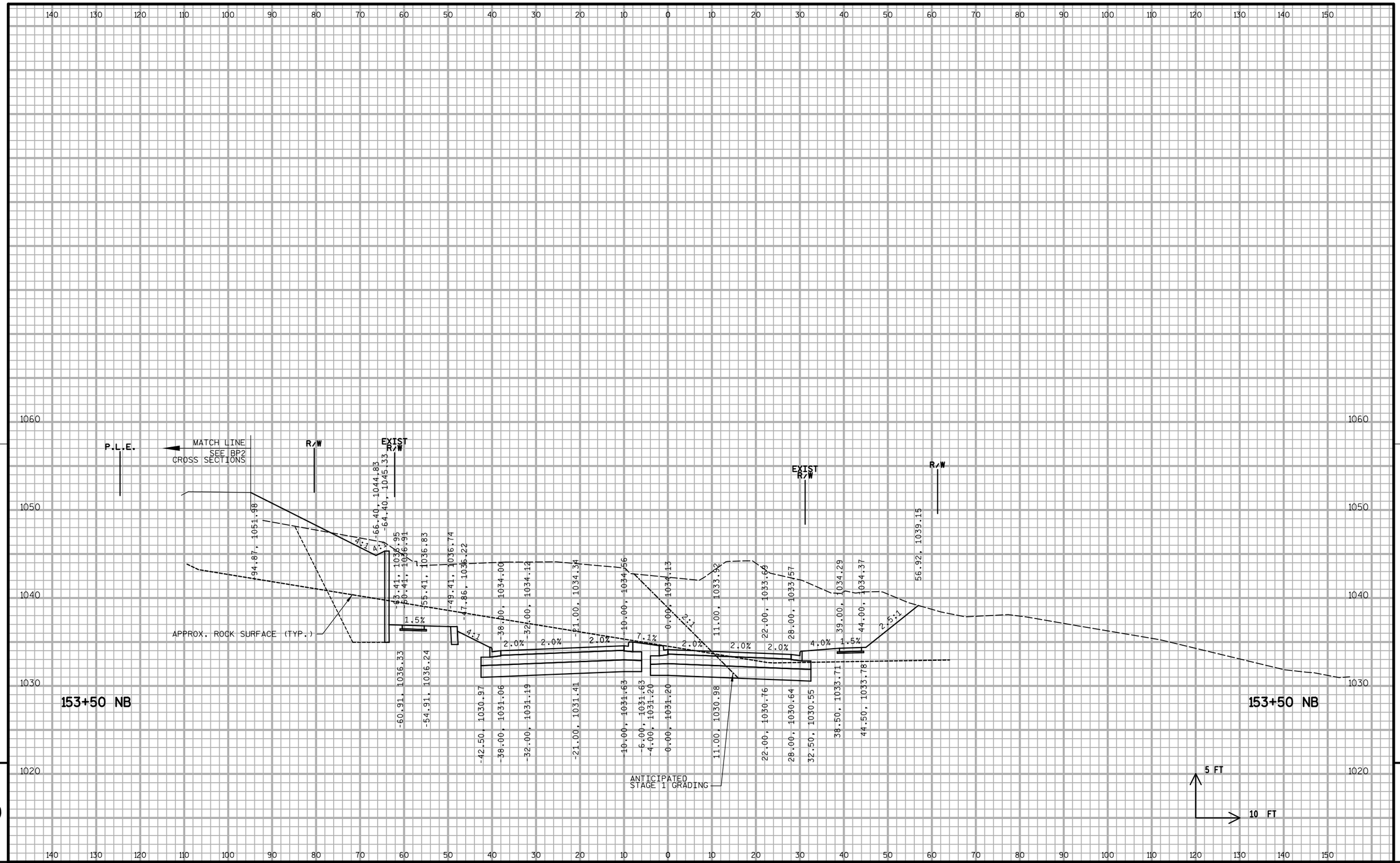
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 976	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



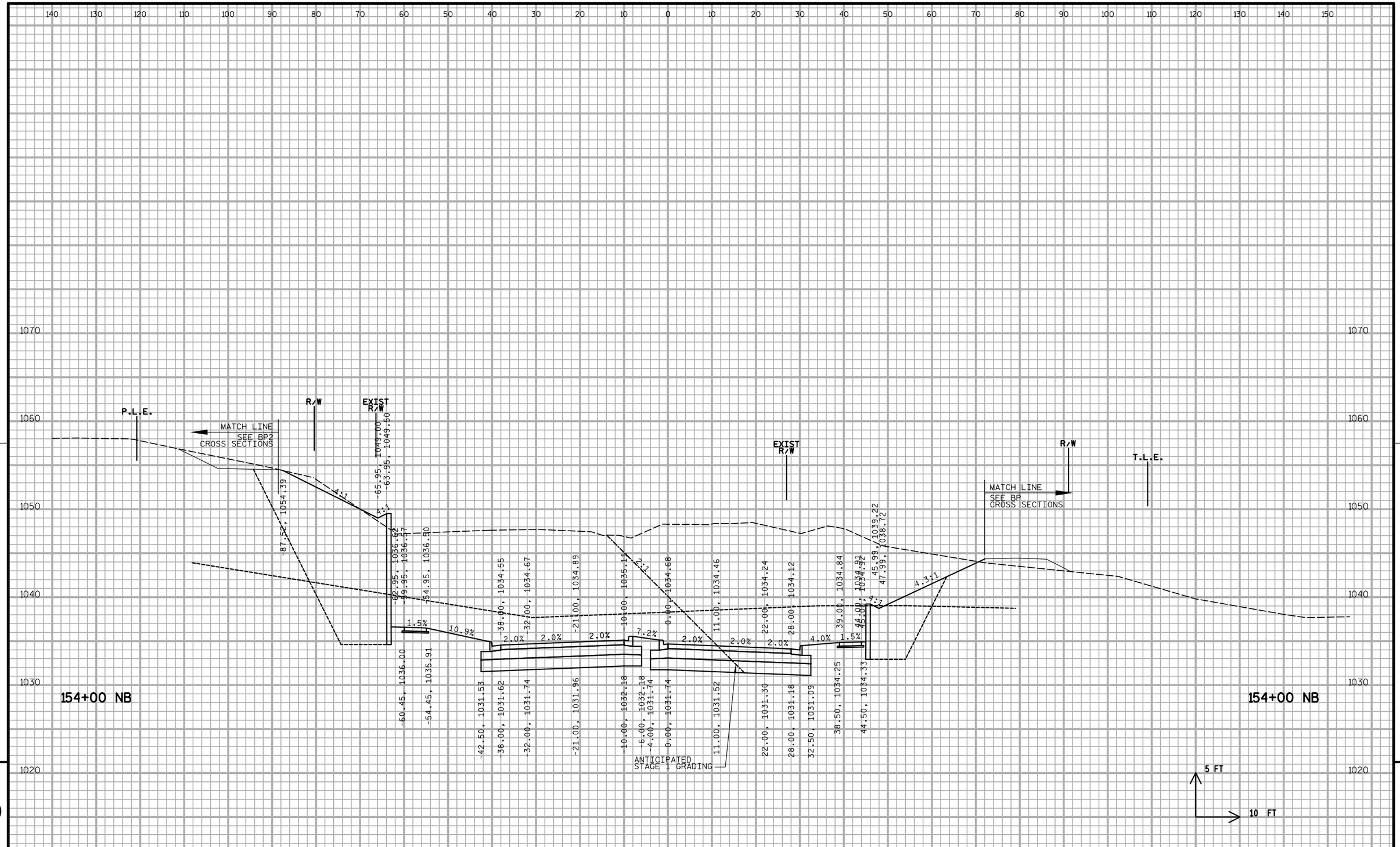
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 977	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 978	E

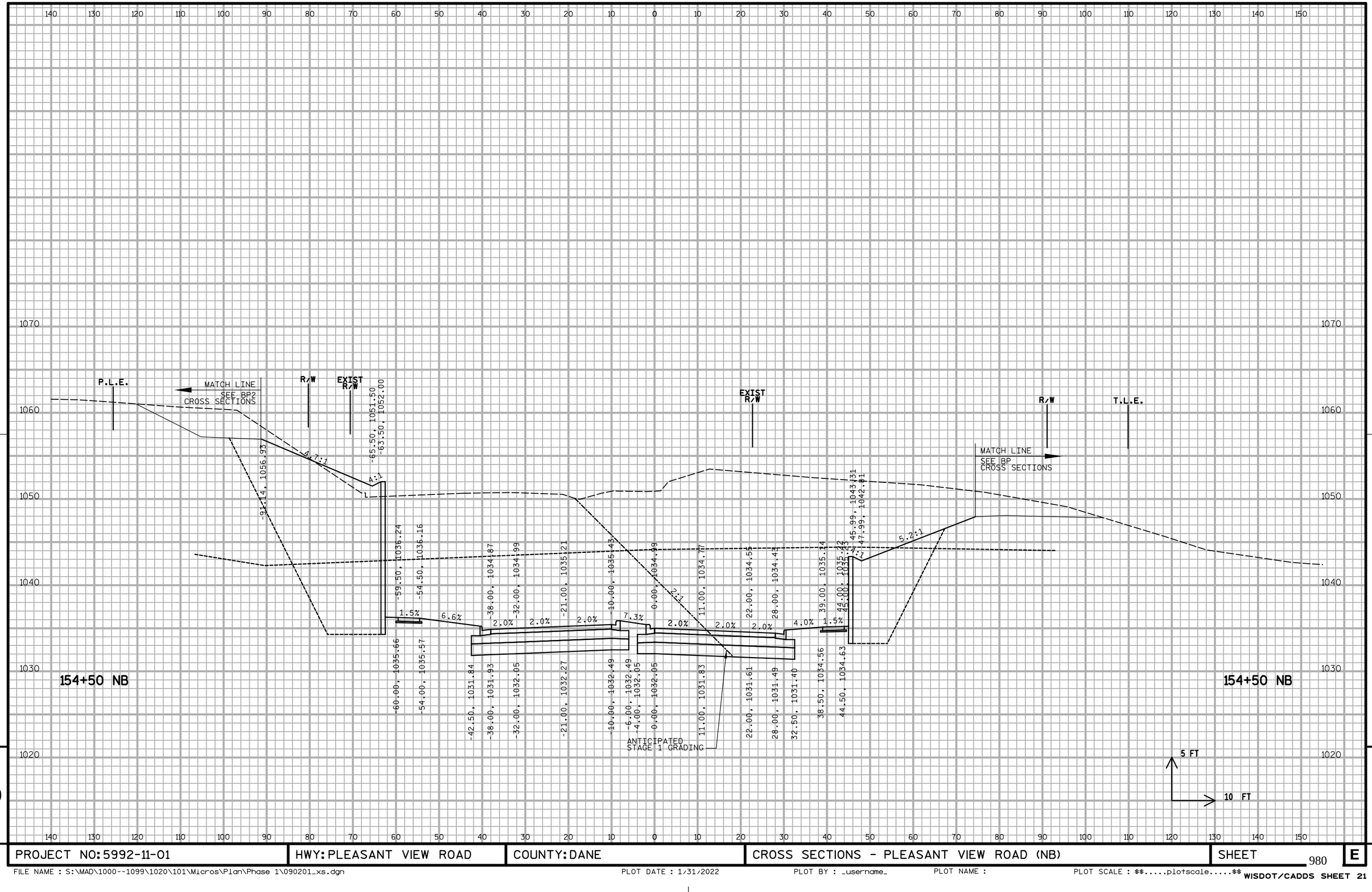
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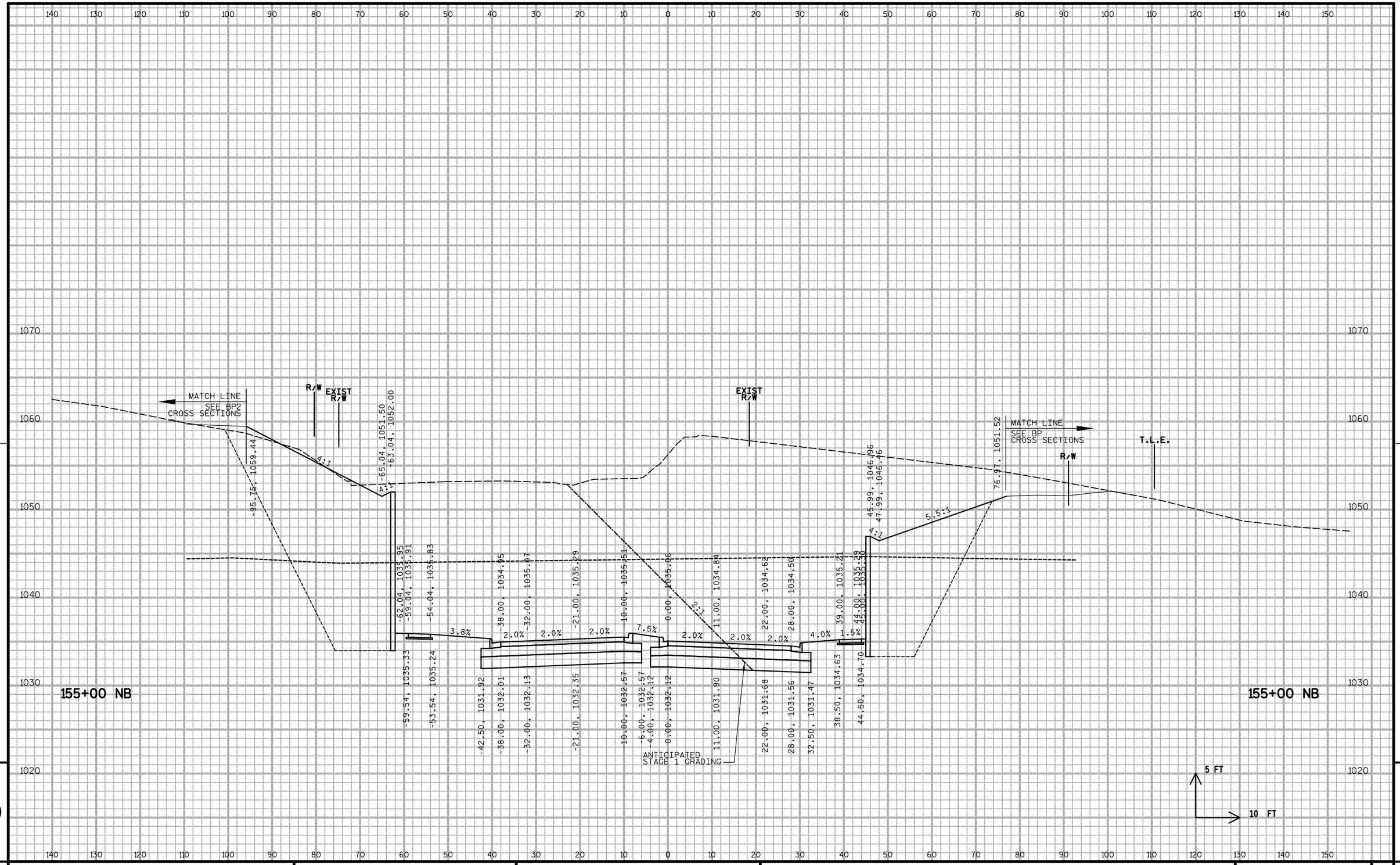
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 979	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



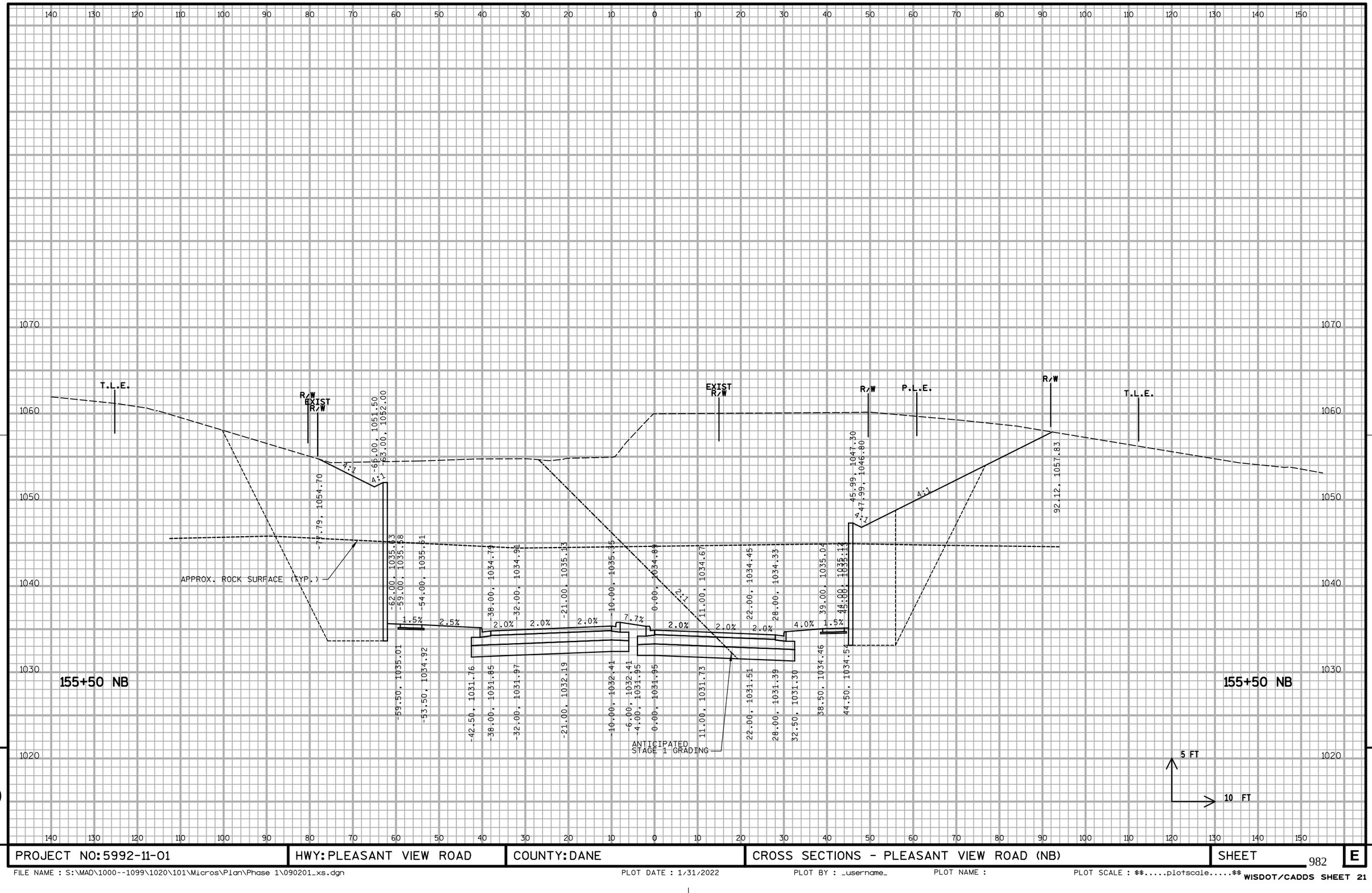
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 980	E



9

9

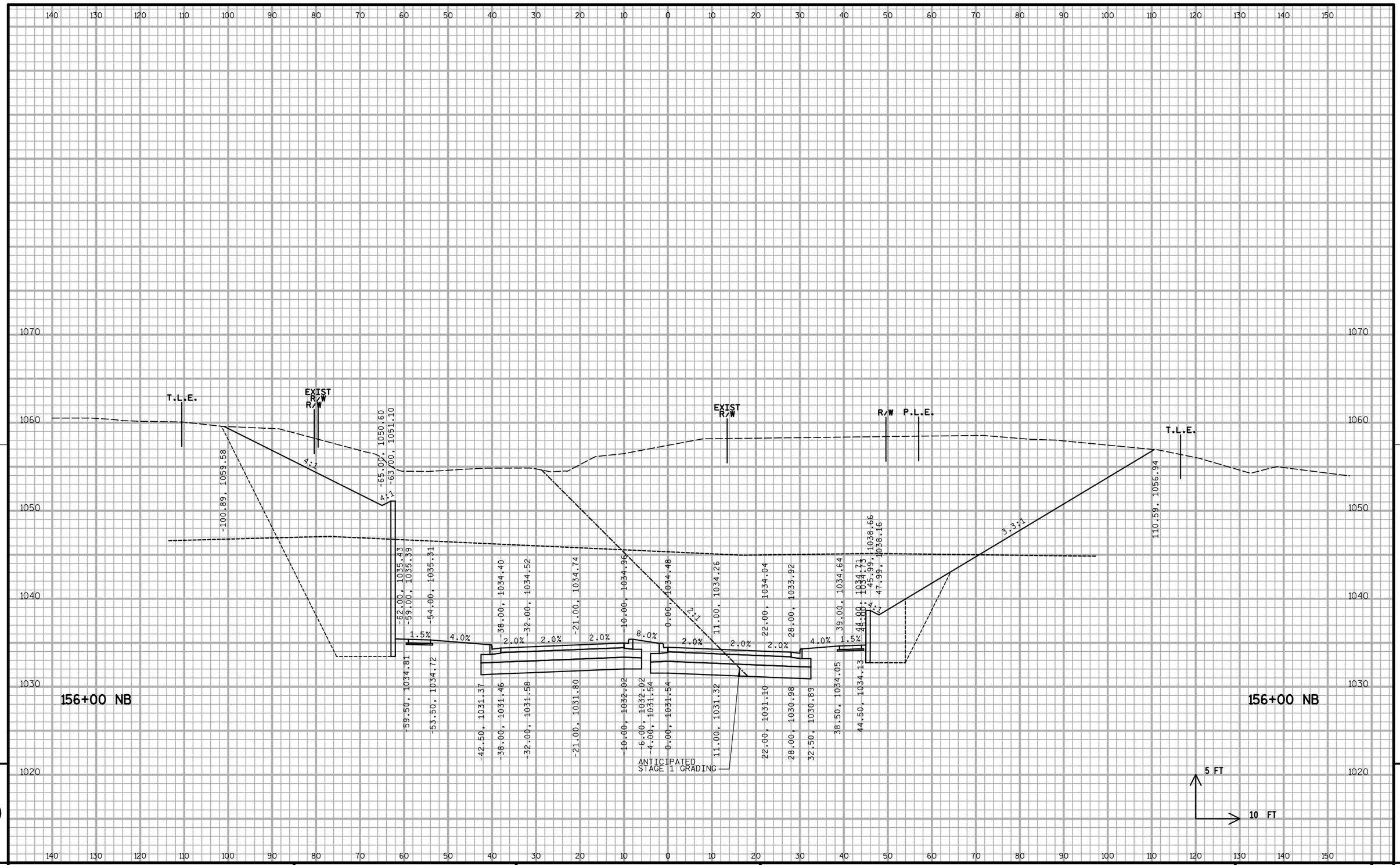
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 981	E



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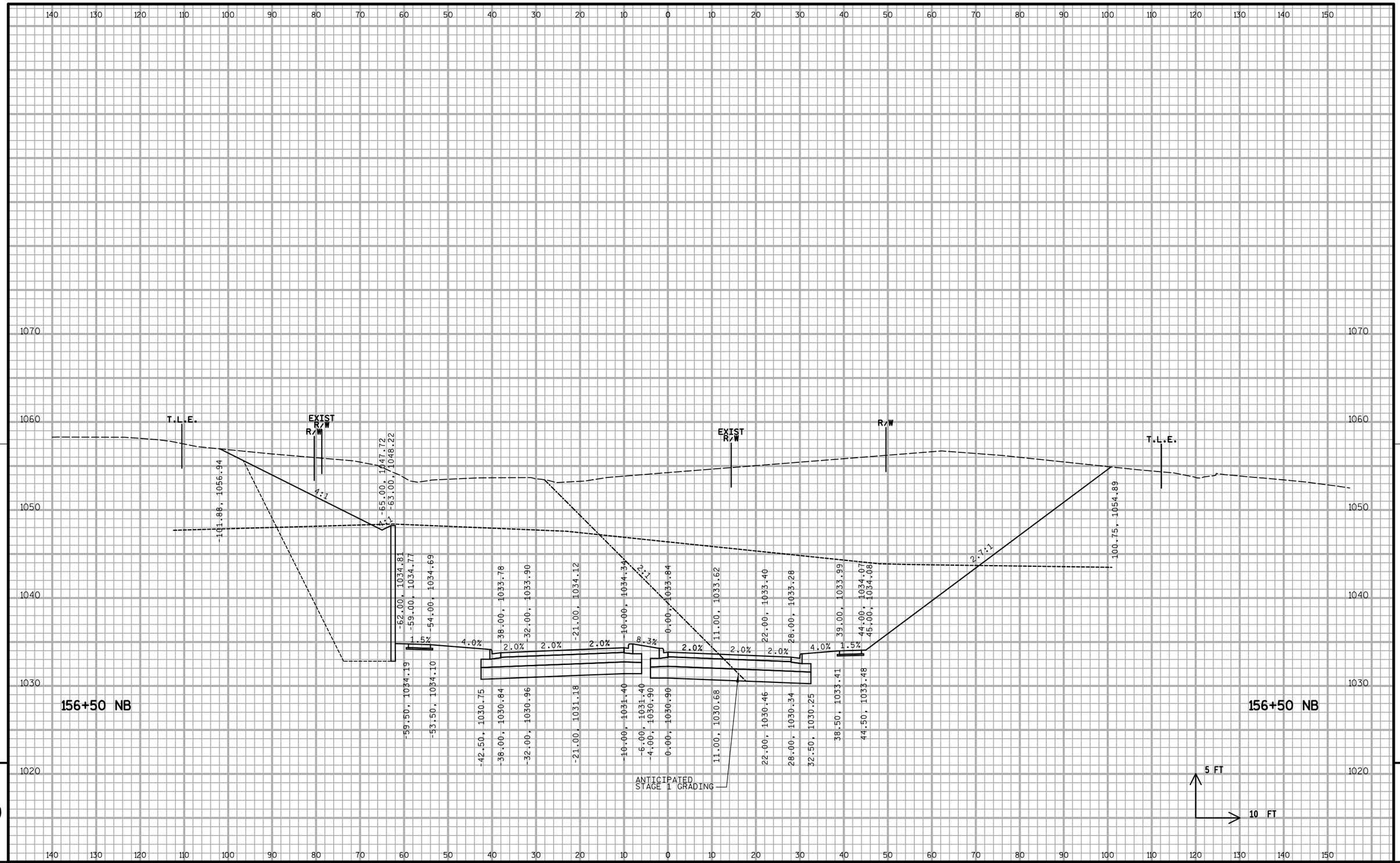
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 982	E



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 983	E

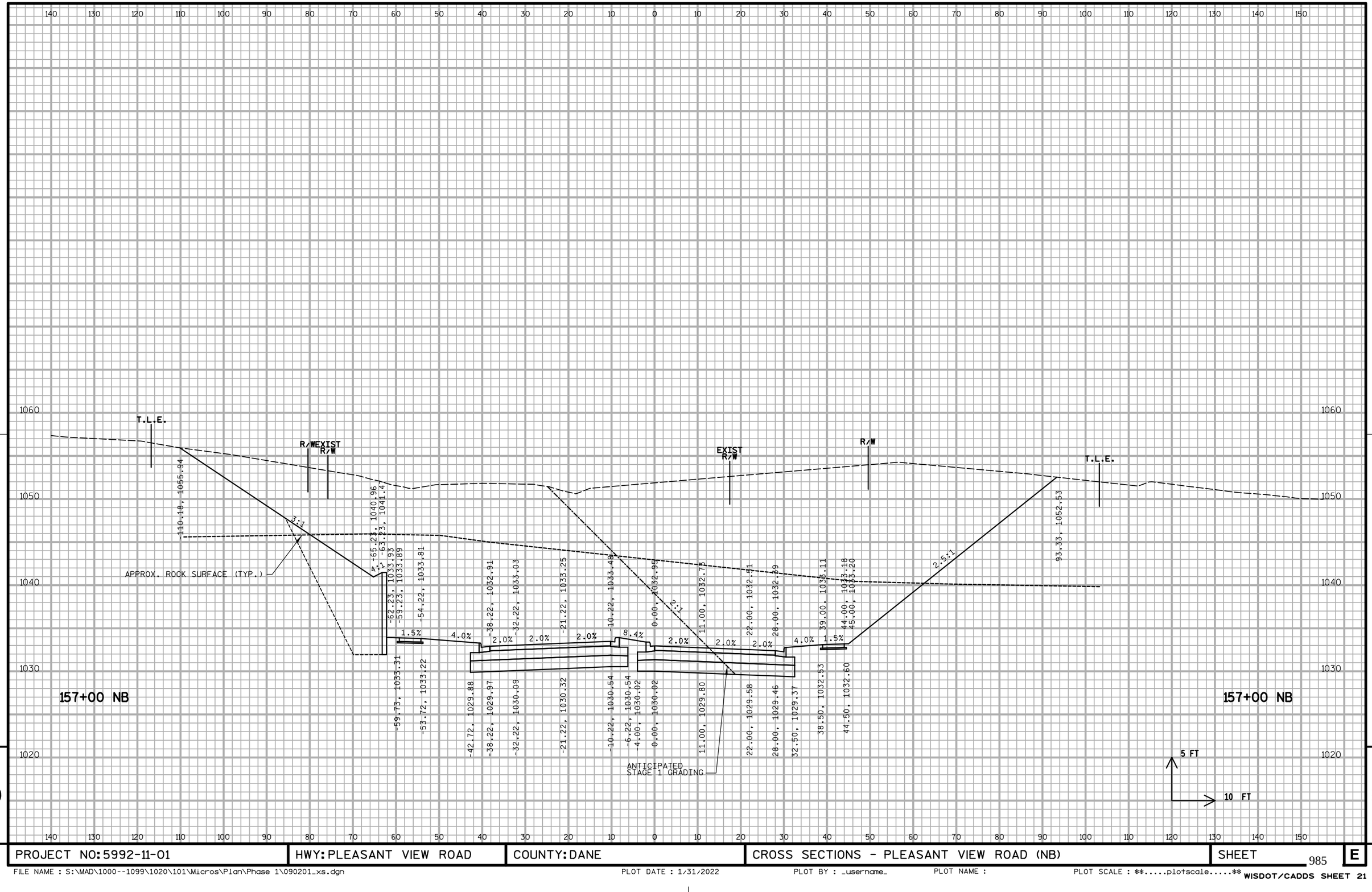
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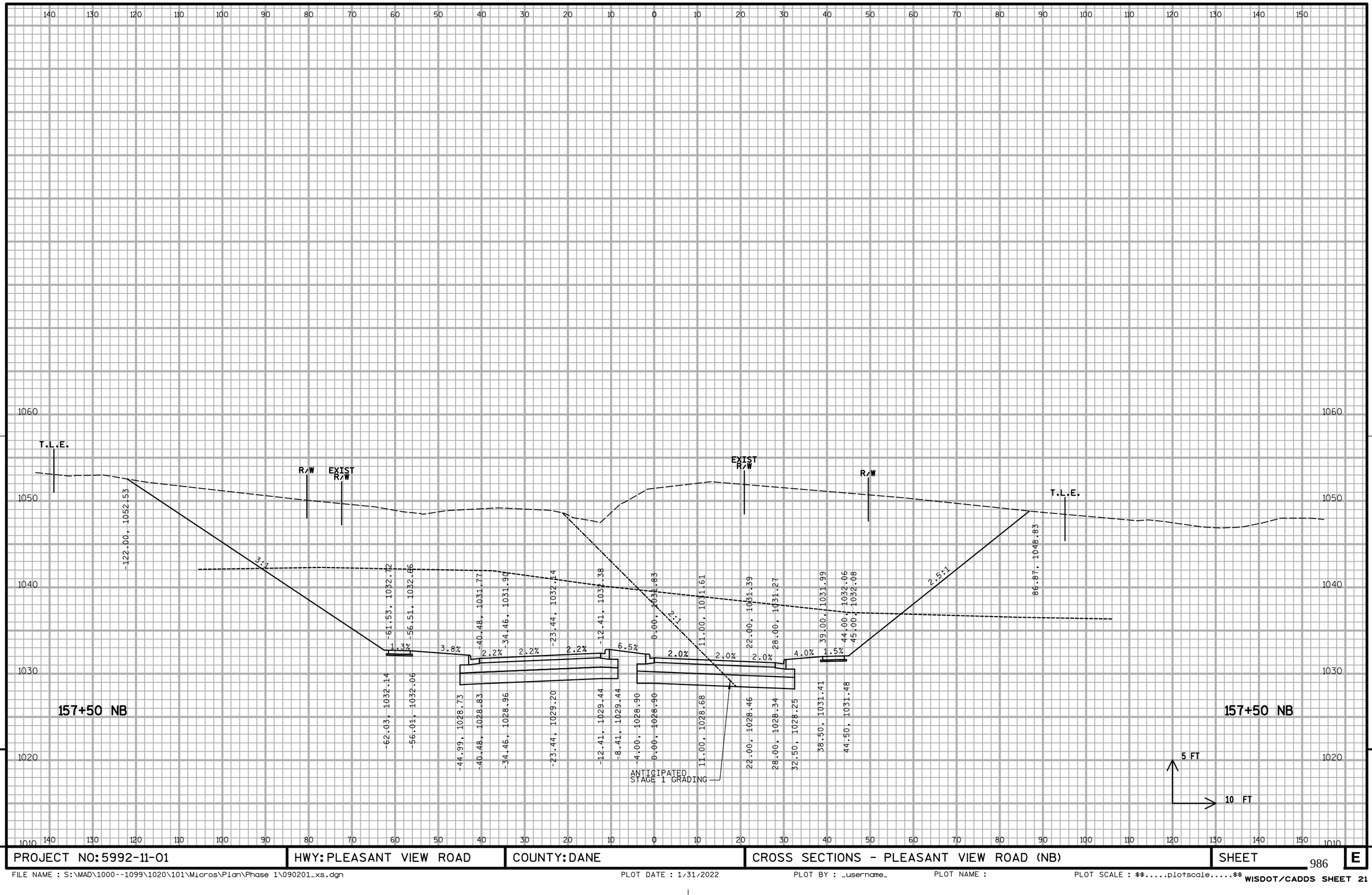
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 984	E



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 985	E

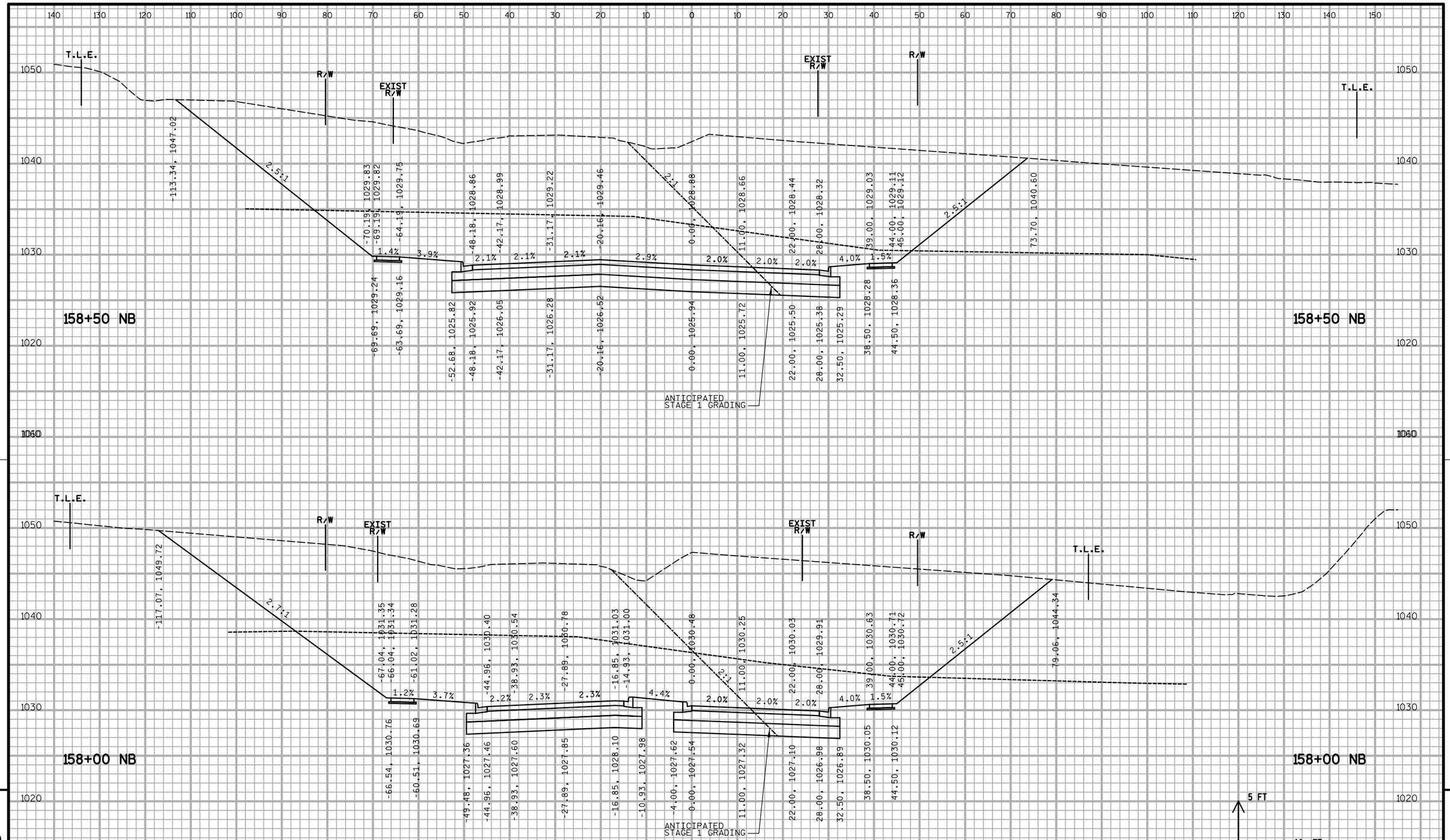
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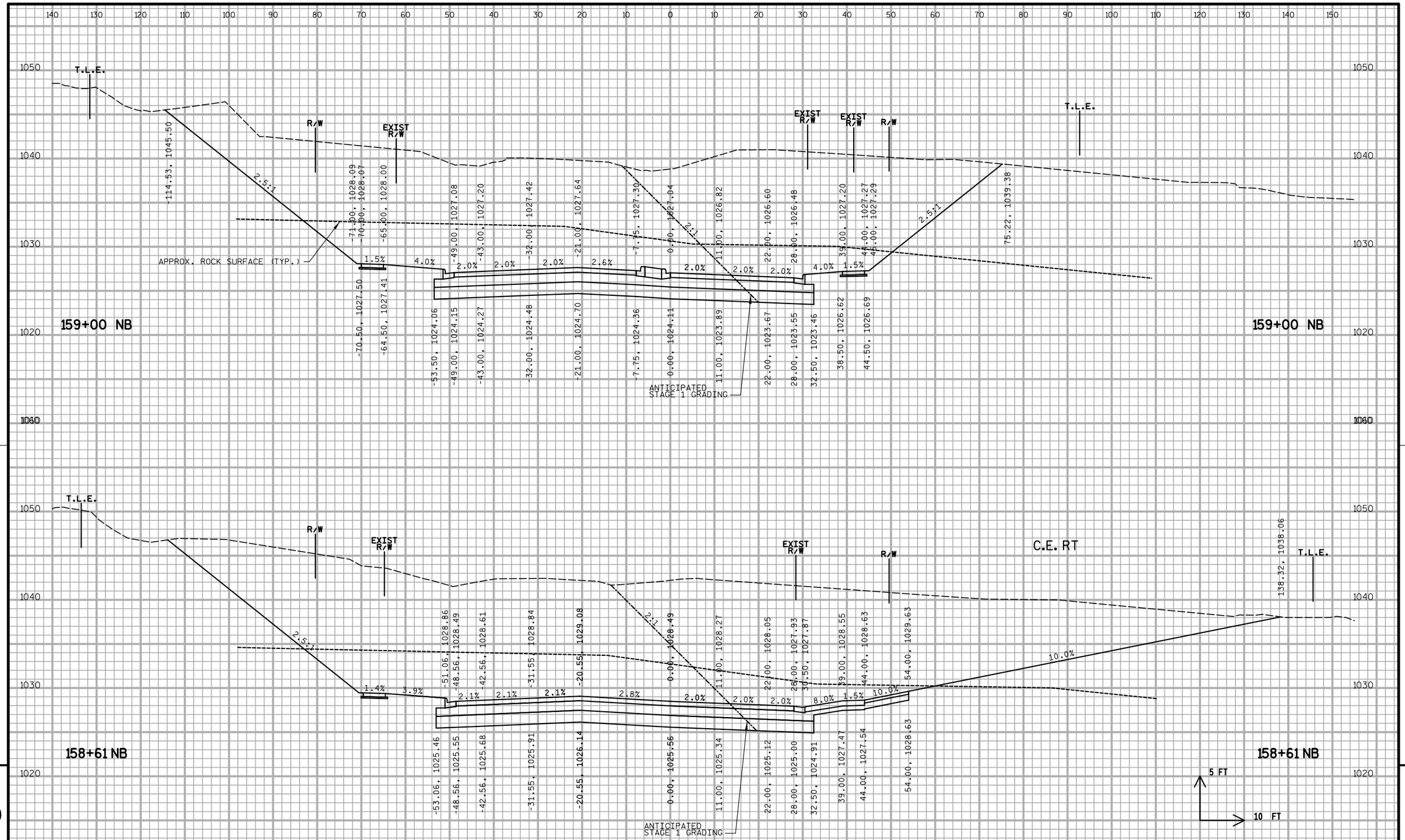
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 986	E



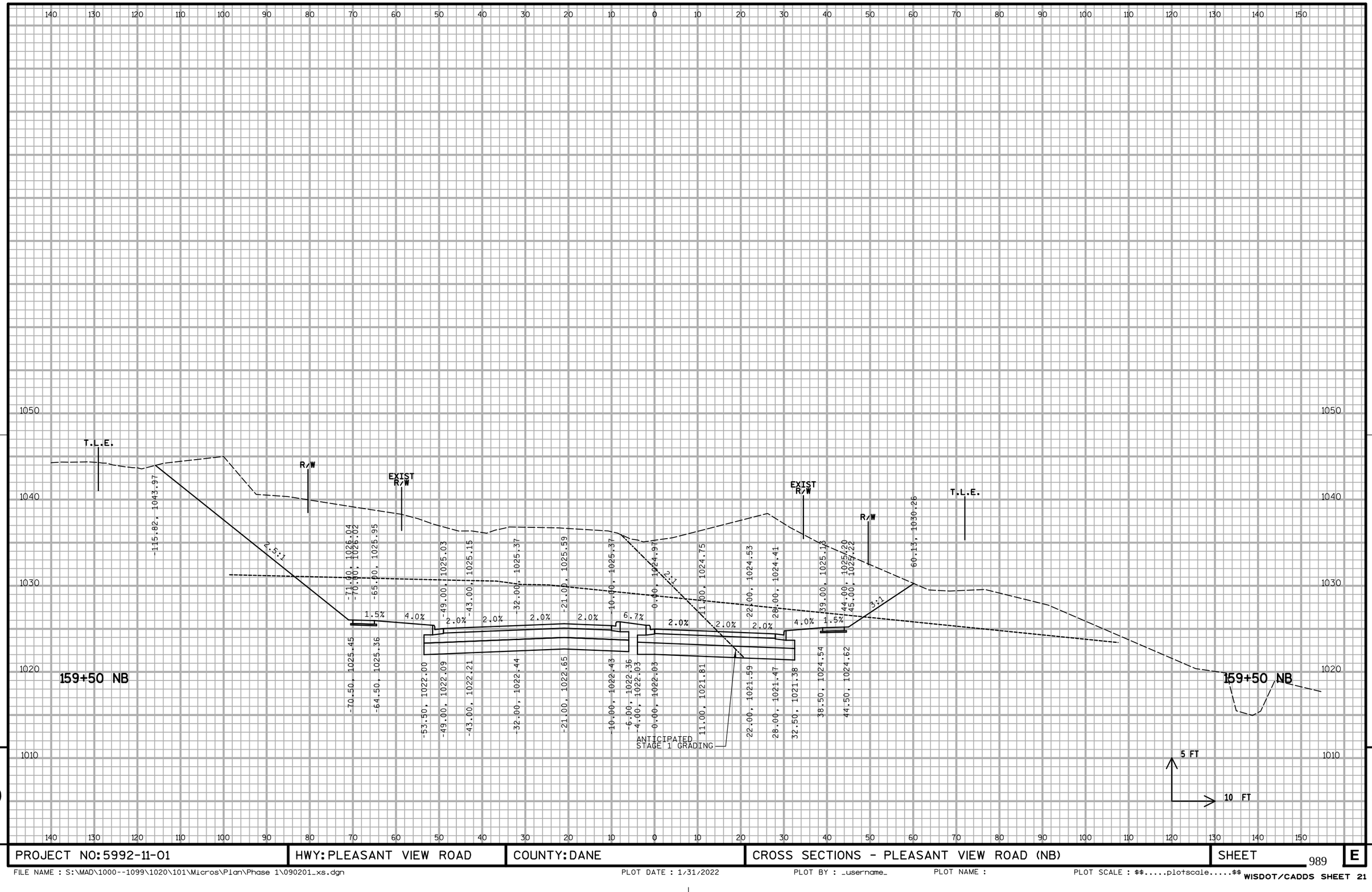
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 987 E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



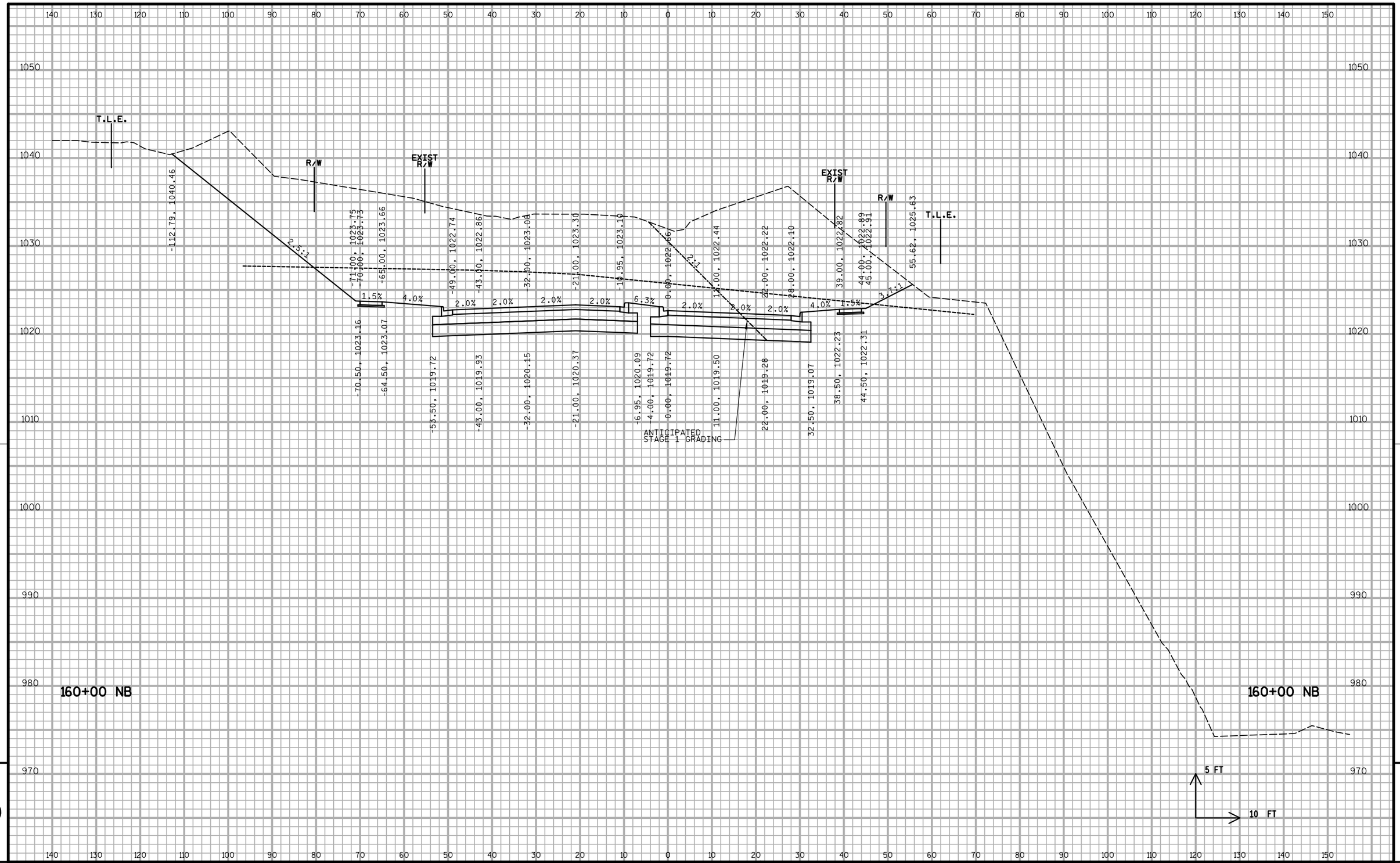
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 988	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



9 9

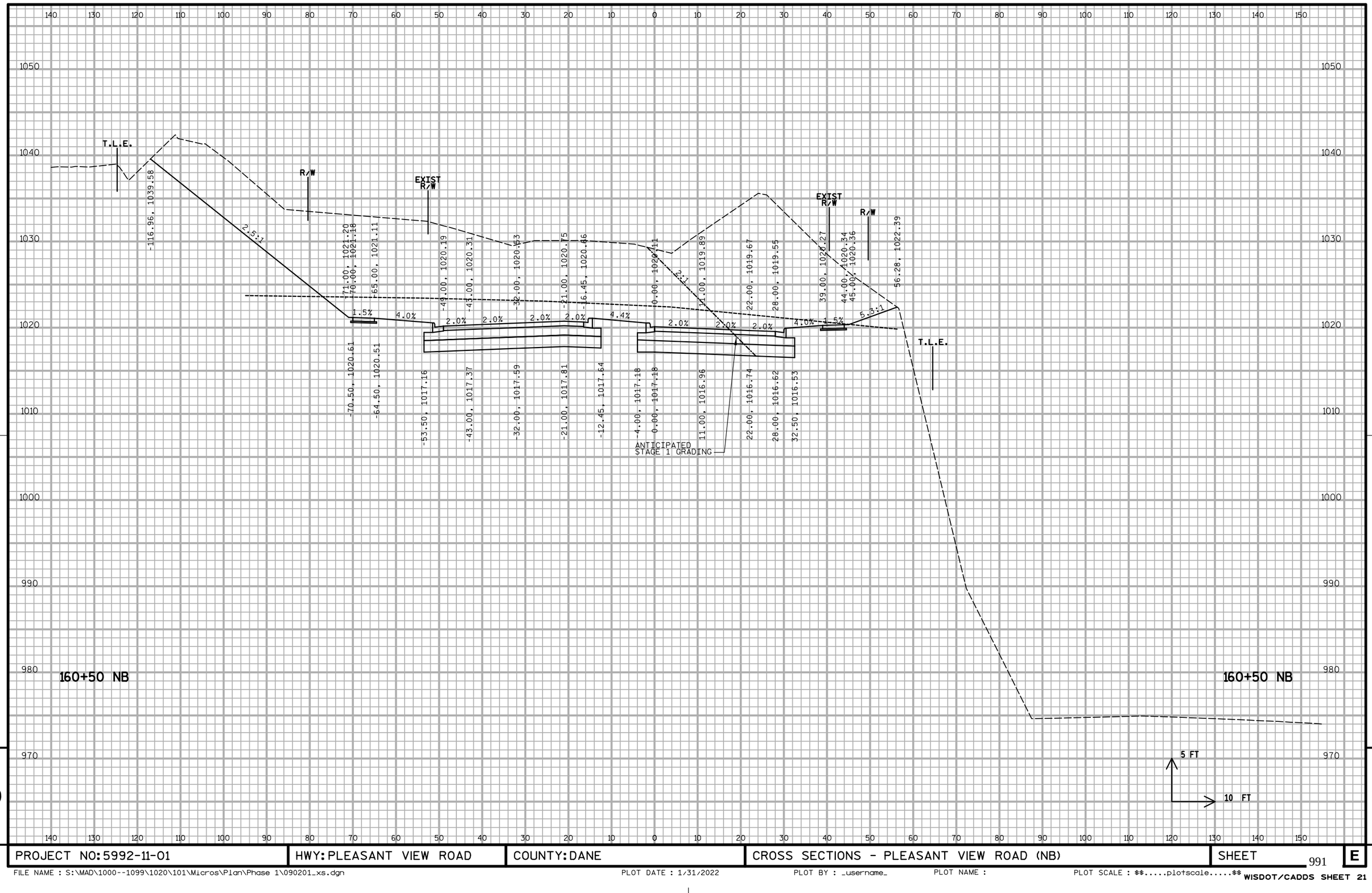
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 989	E



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 990 E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

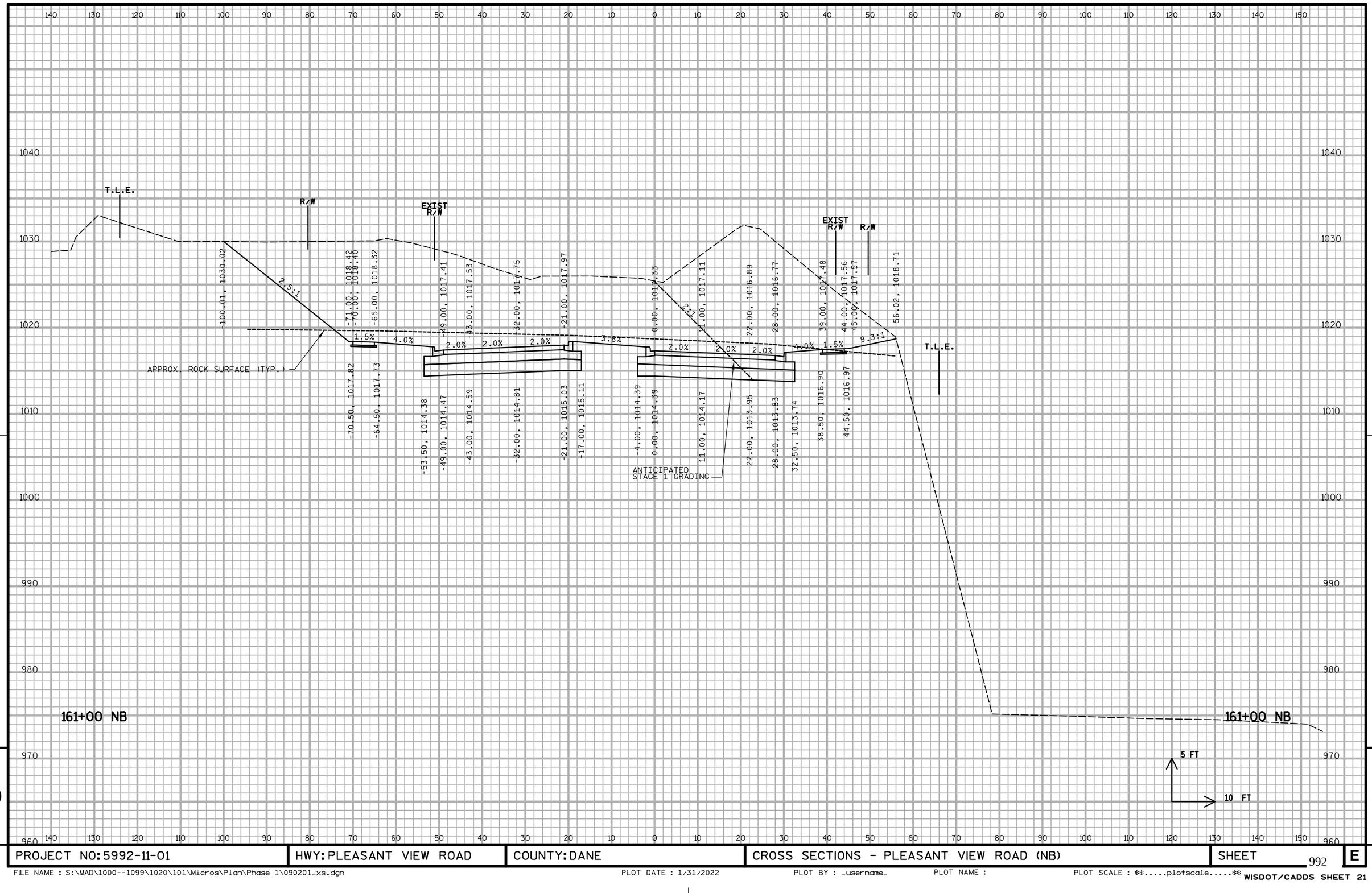
WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 991	E

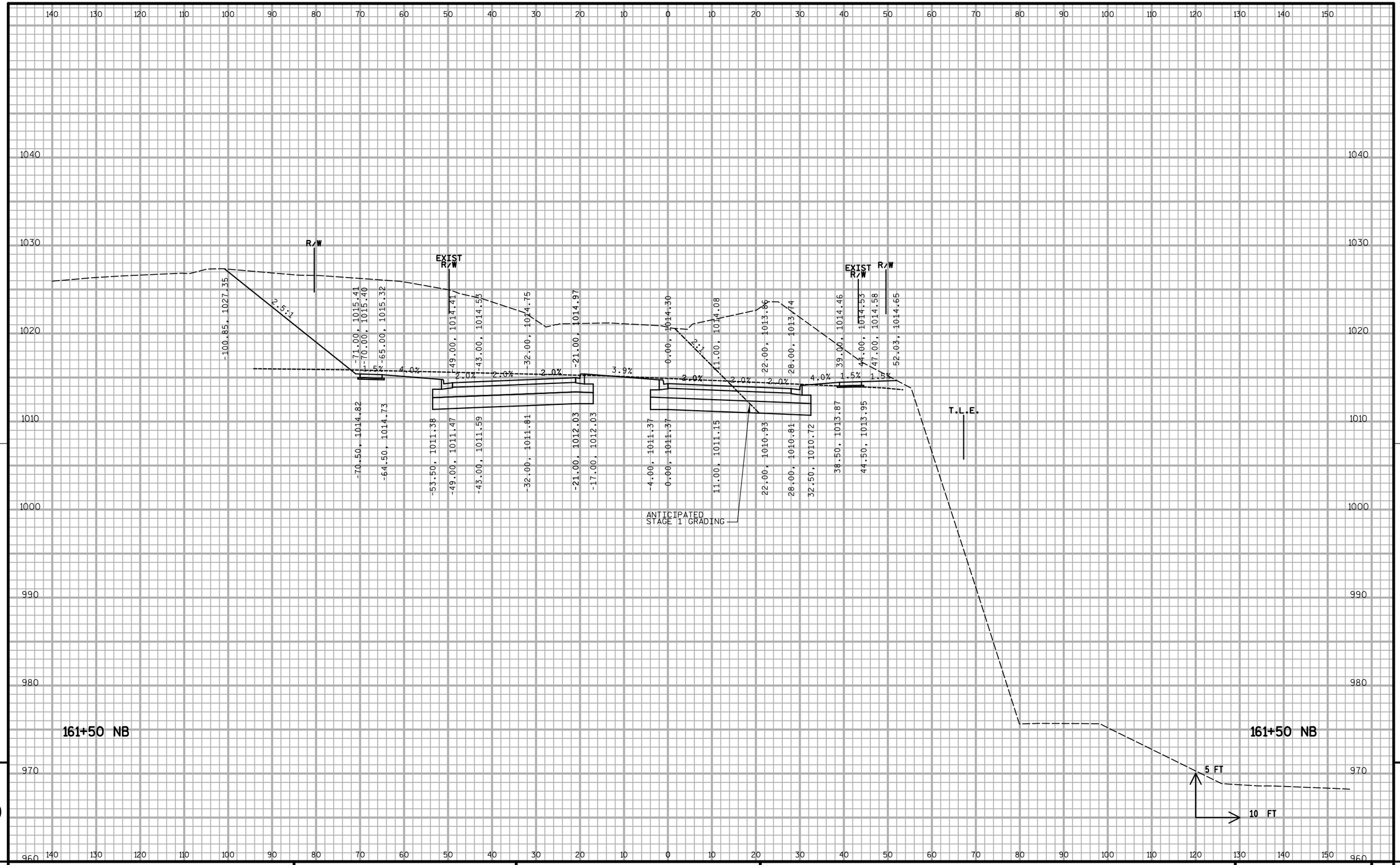
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WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 992	E

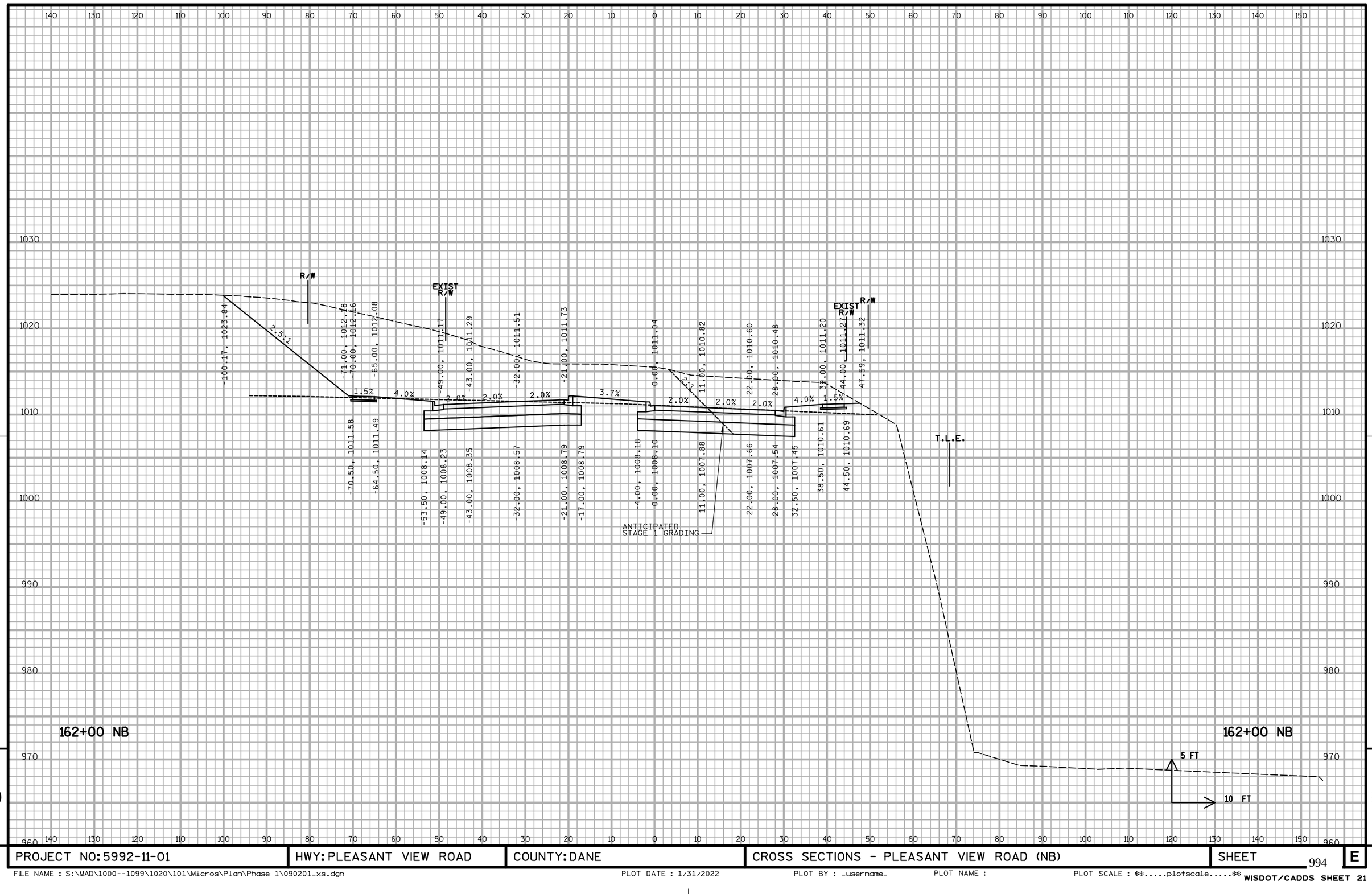
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 993 E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



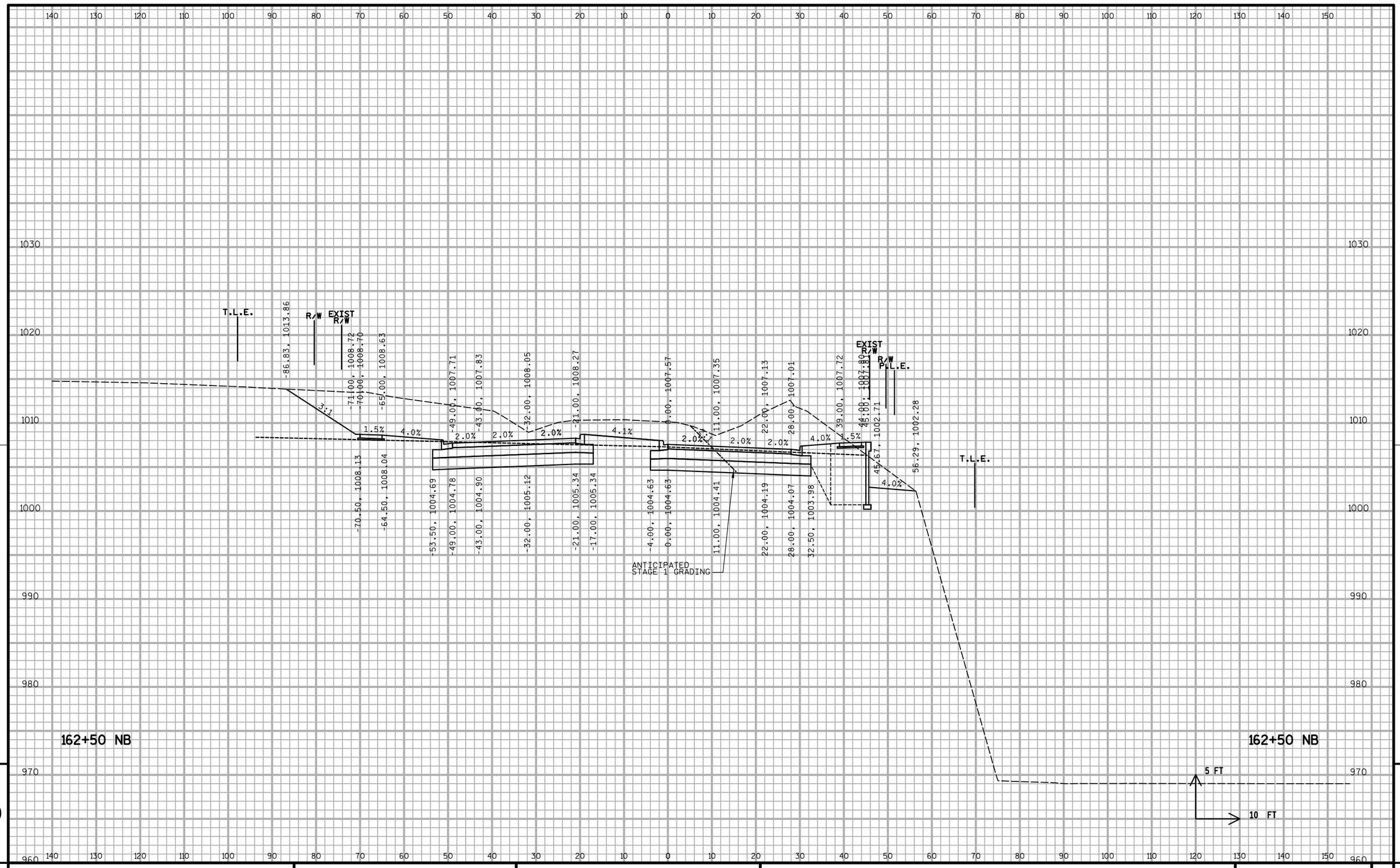
162+00 NB

162+00 NB

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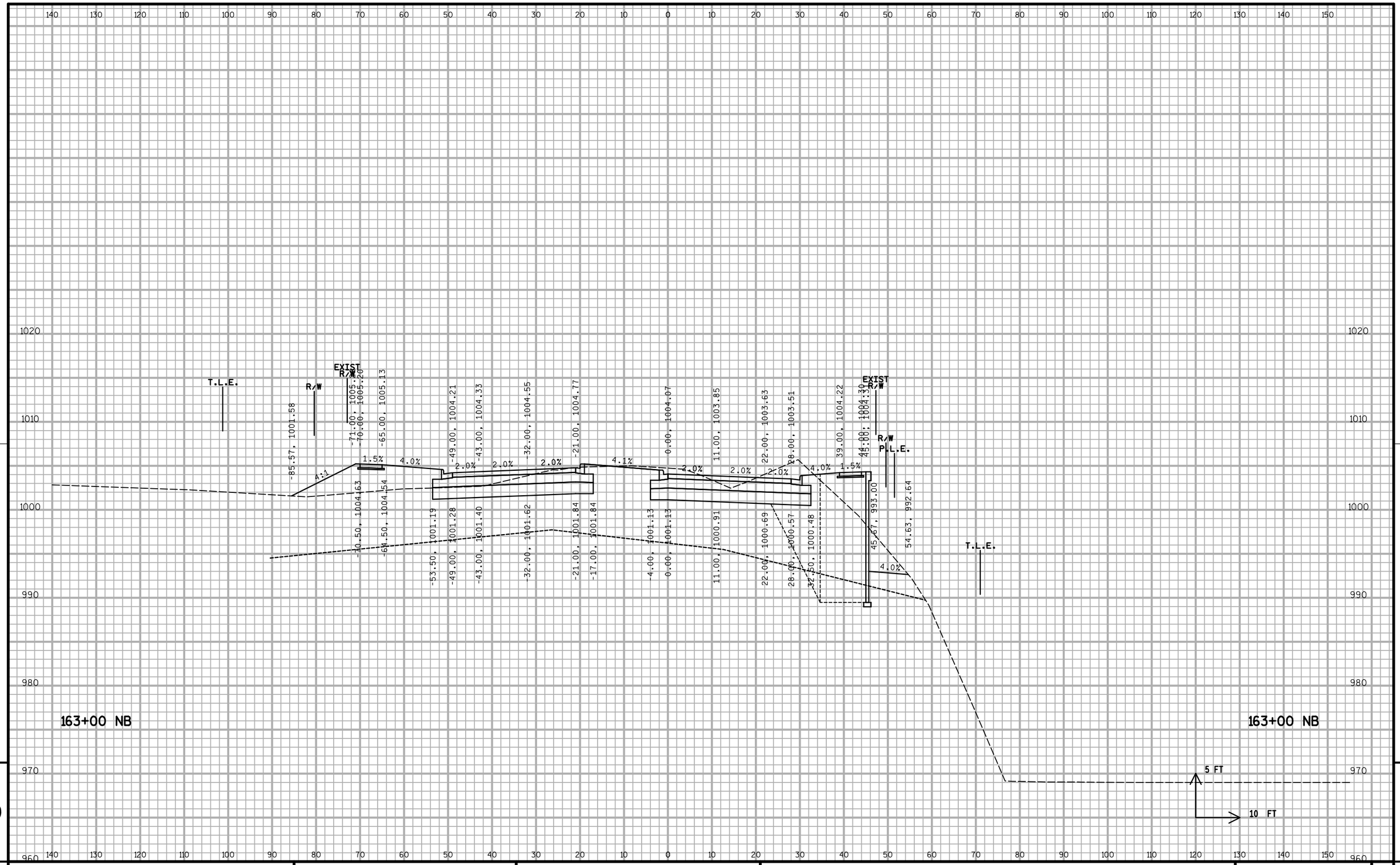
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 994	E



9 9

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 995	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

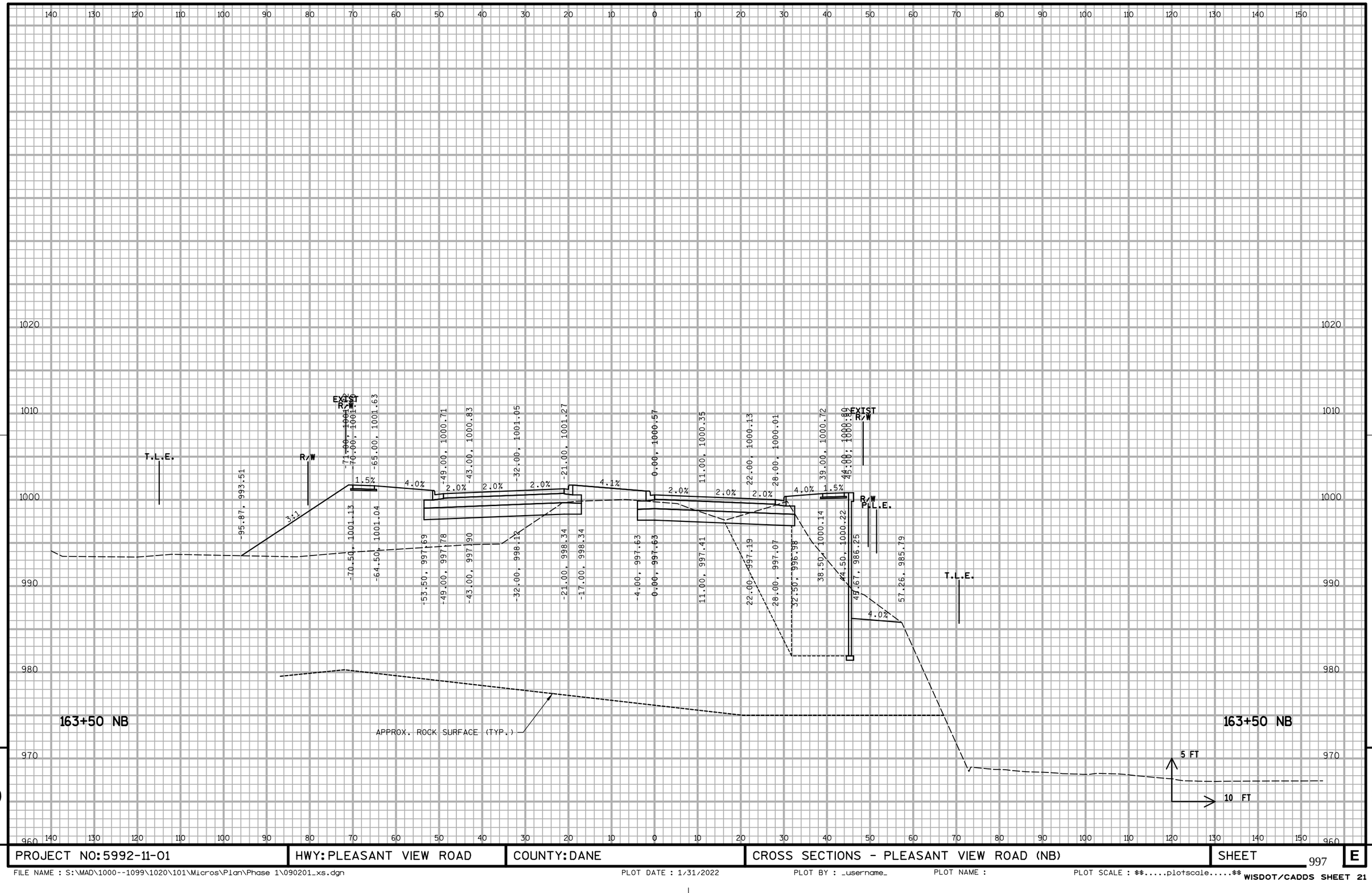


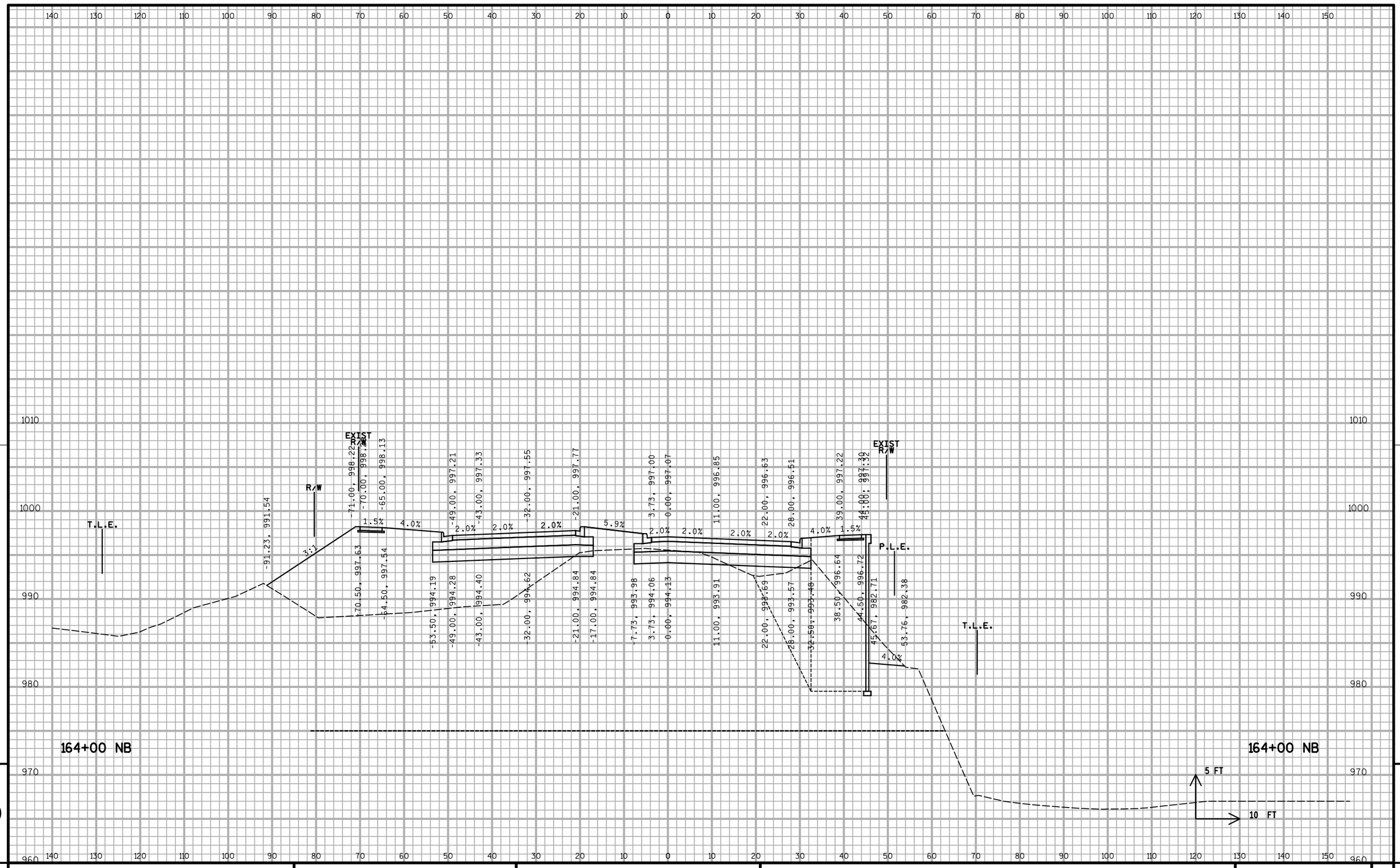
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 996	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21


T.L.E.
R/W
3:1
1.5%
4.0%
2.0%
4.1%
EXIST R/W
R/W
P.L.E.
T.L.E.
5 FT
10 FT
APPROX. ROCK SURFACE (TYP.)
163+50 NB
163+50 NB
1020
1010
1000
990
980
970
960

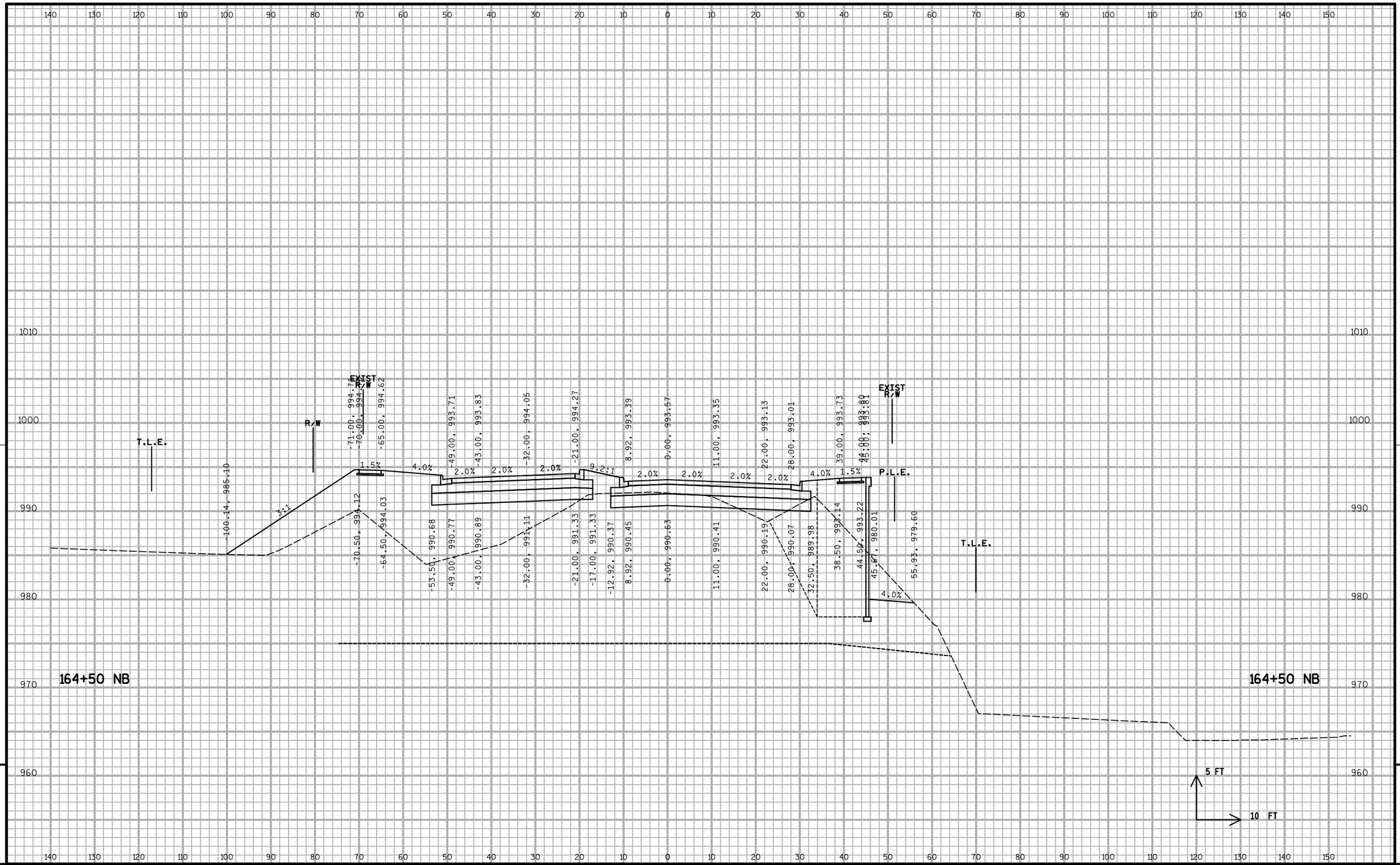


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 998	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

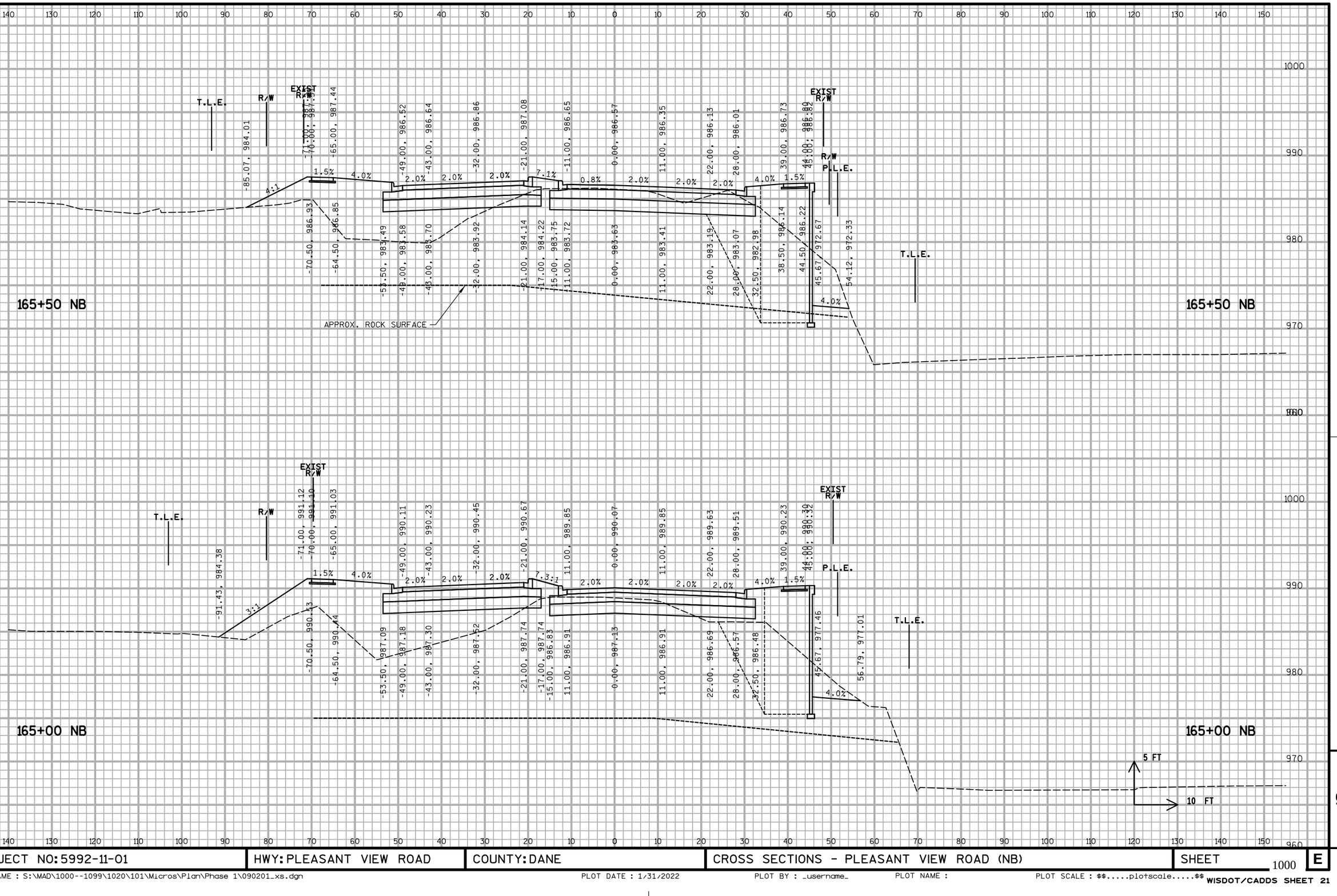


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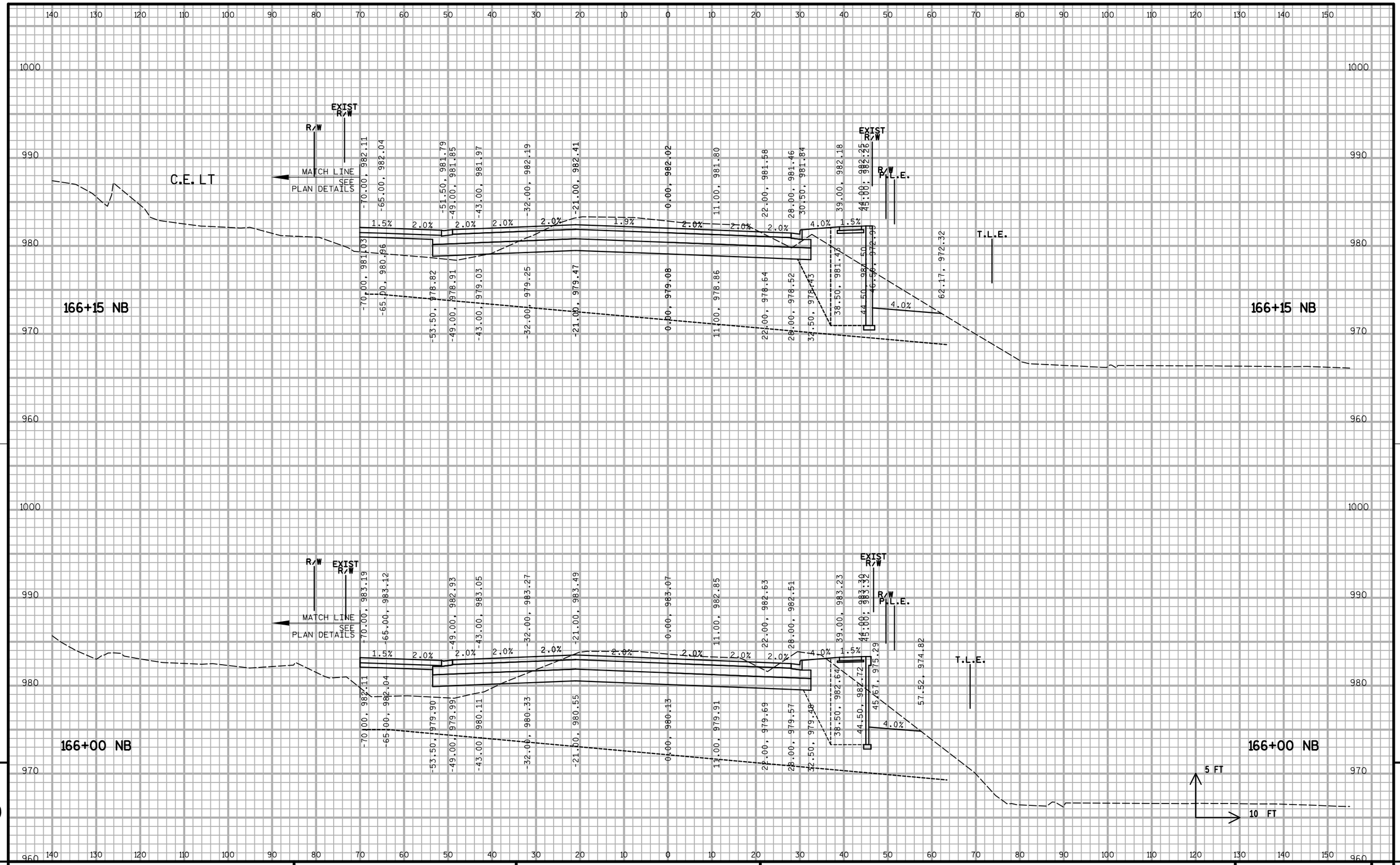
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 999	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



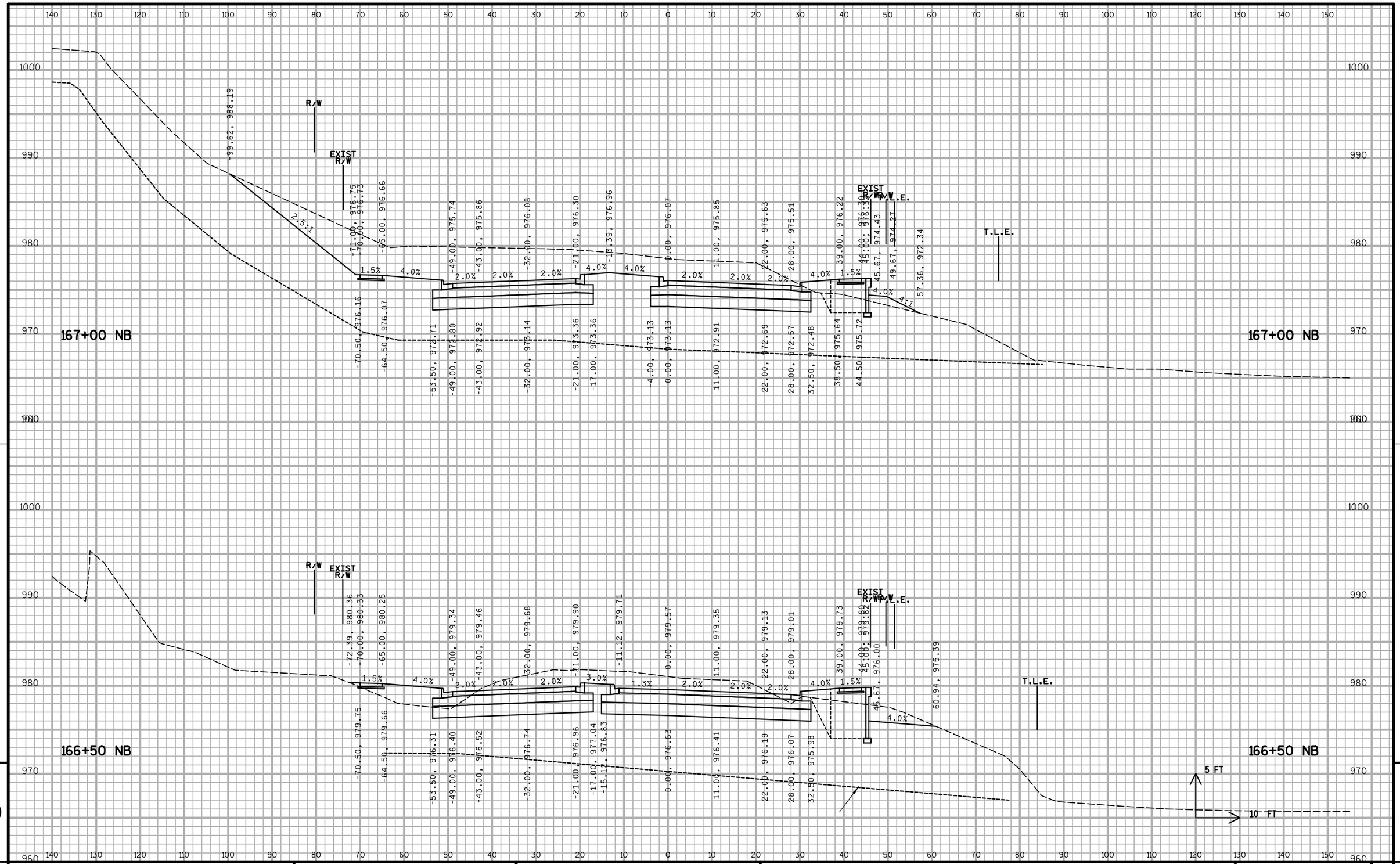
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 1000 E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



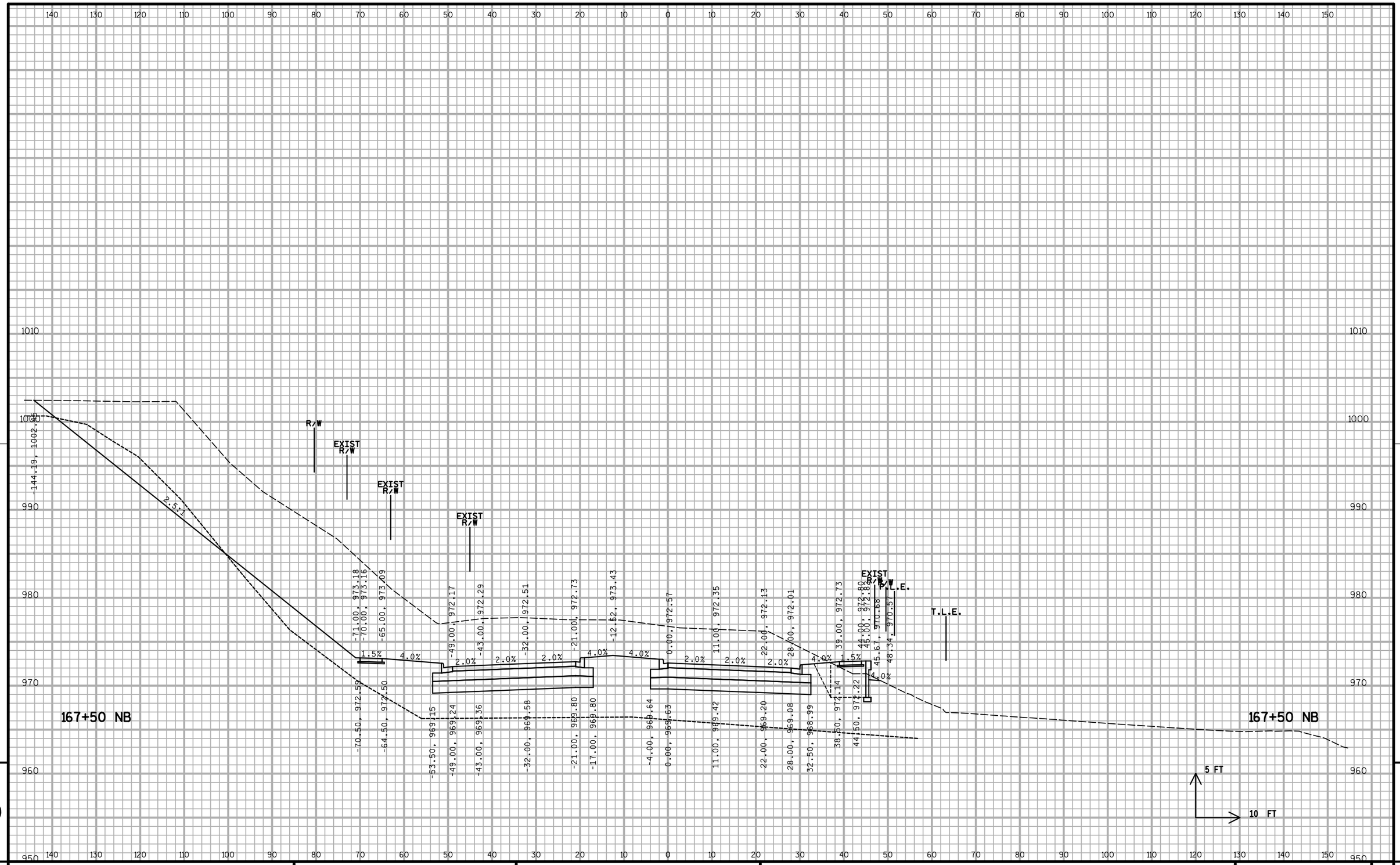
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 1001	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 7/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 1002 E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 3/8/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

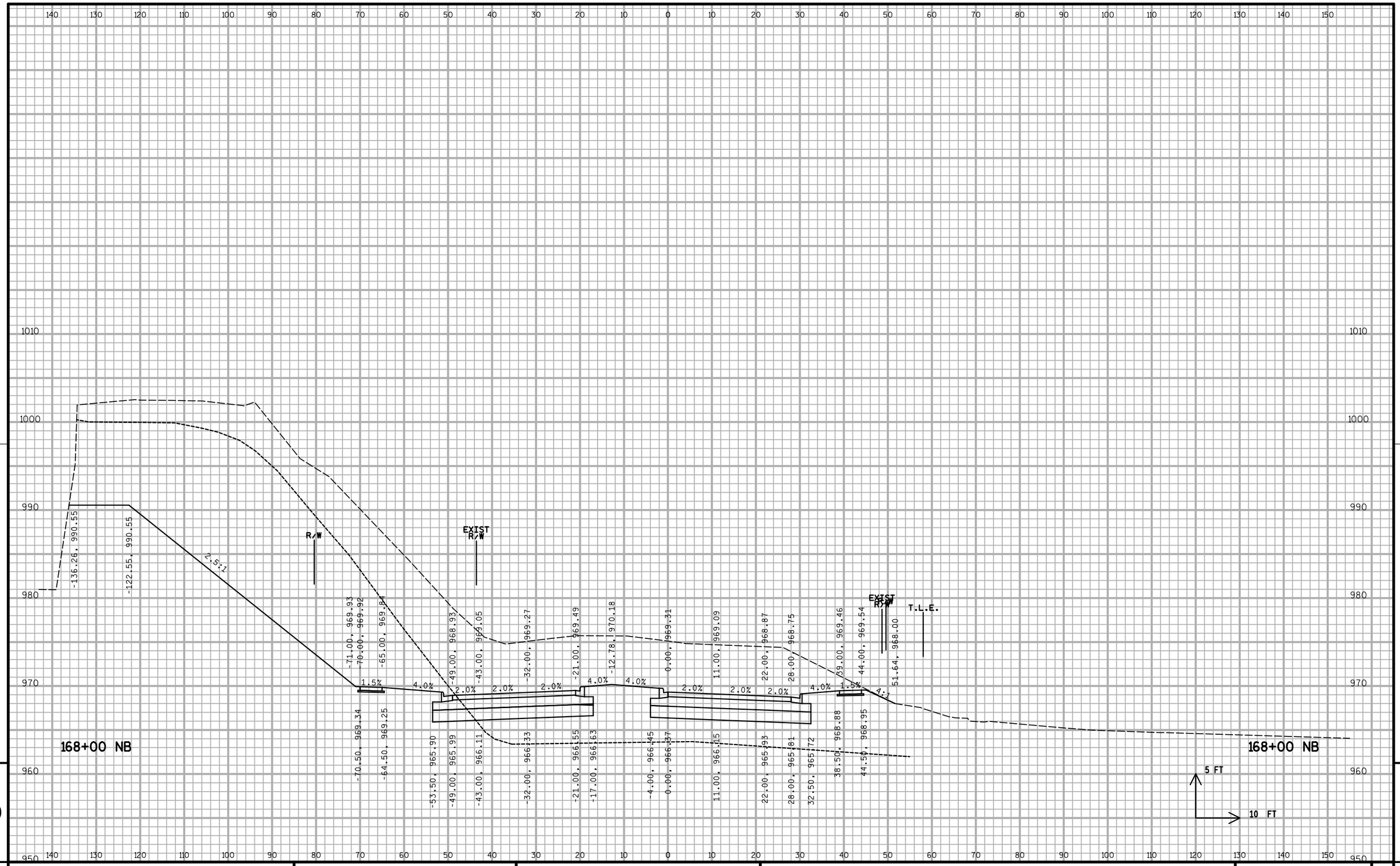


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 1003	E

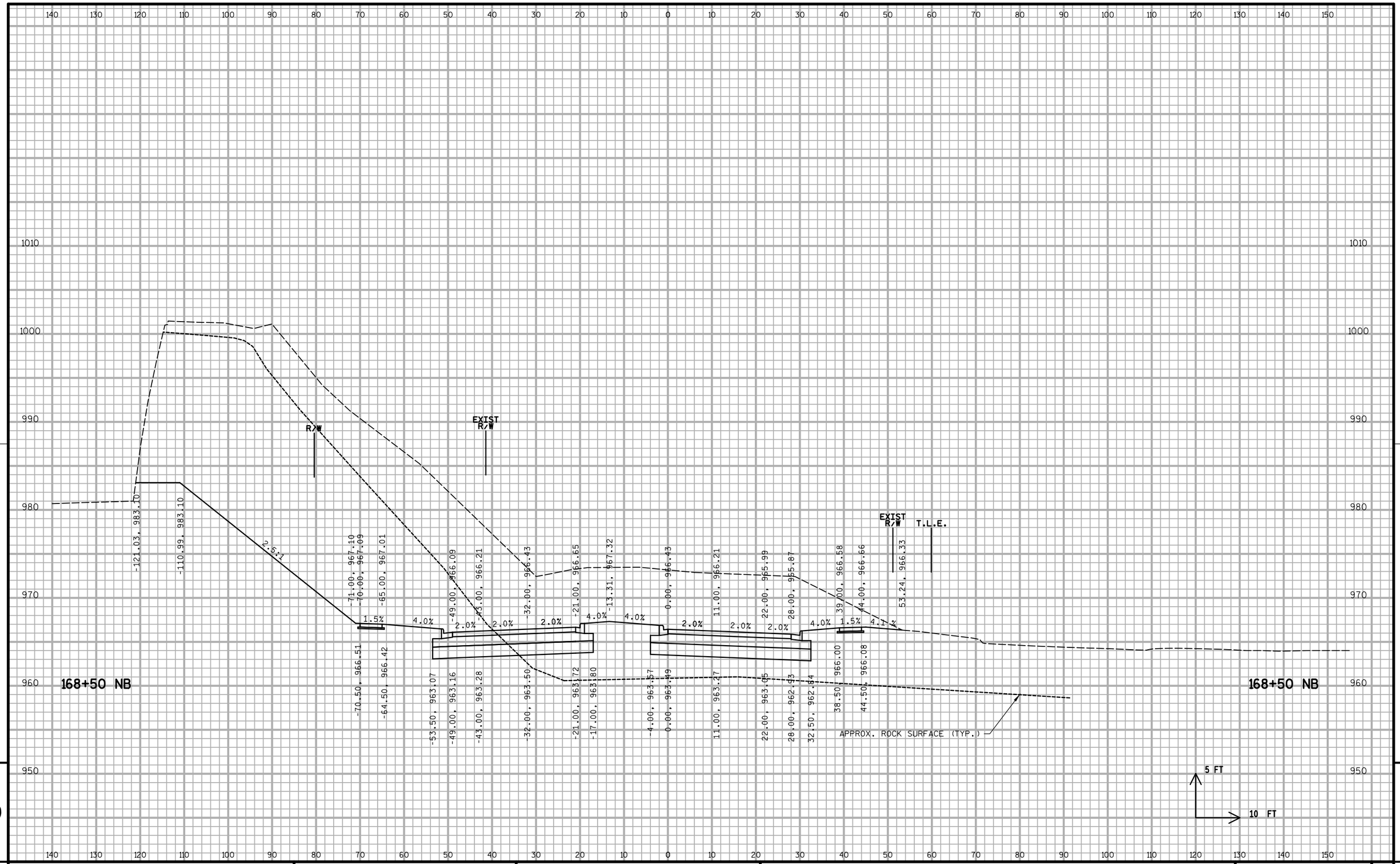
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 1004	E

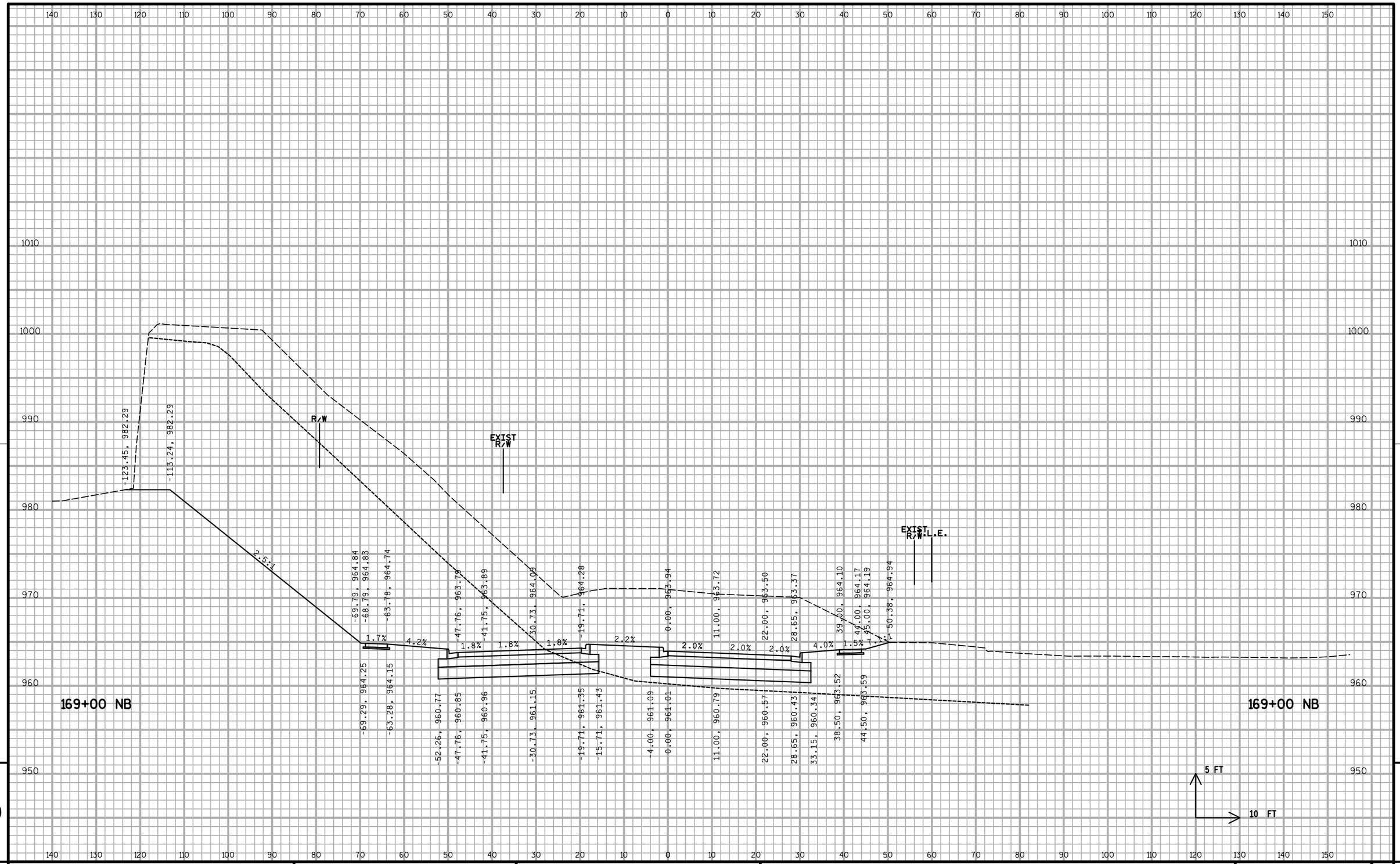


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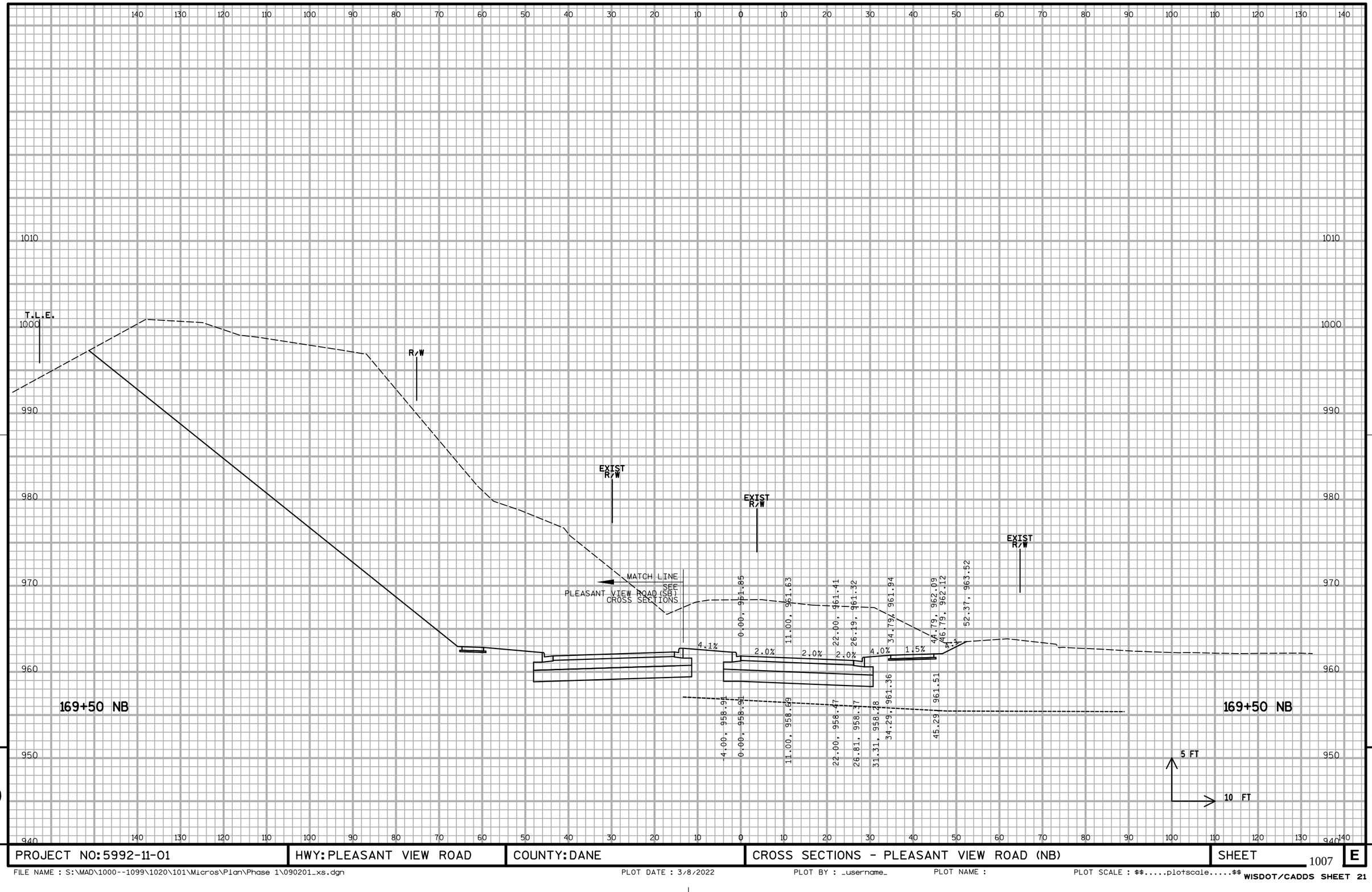
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 1005	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 3/8/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



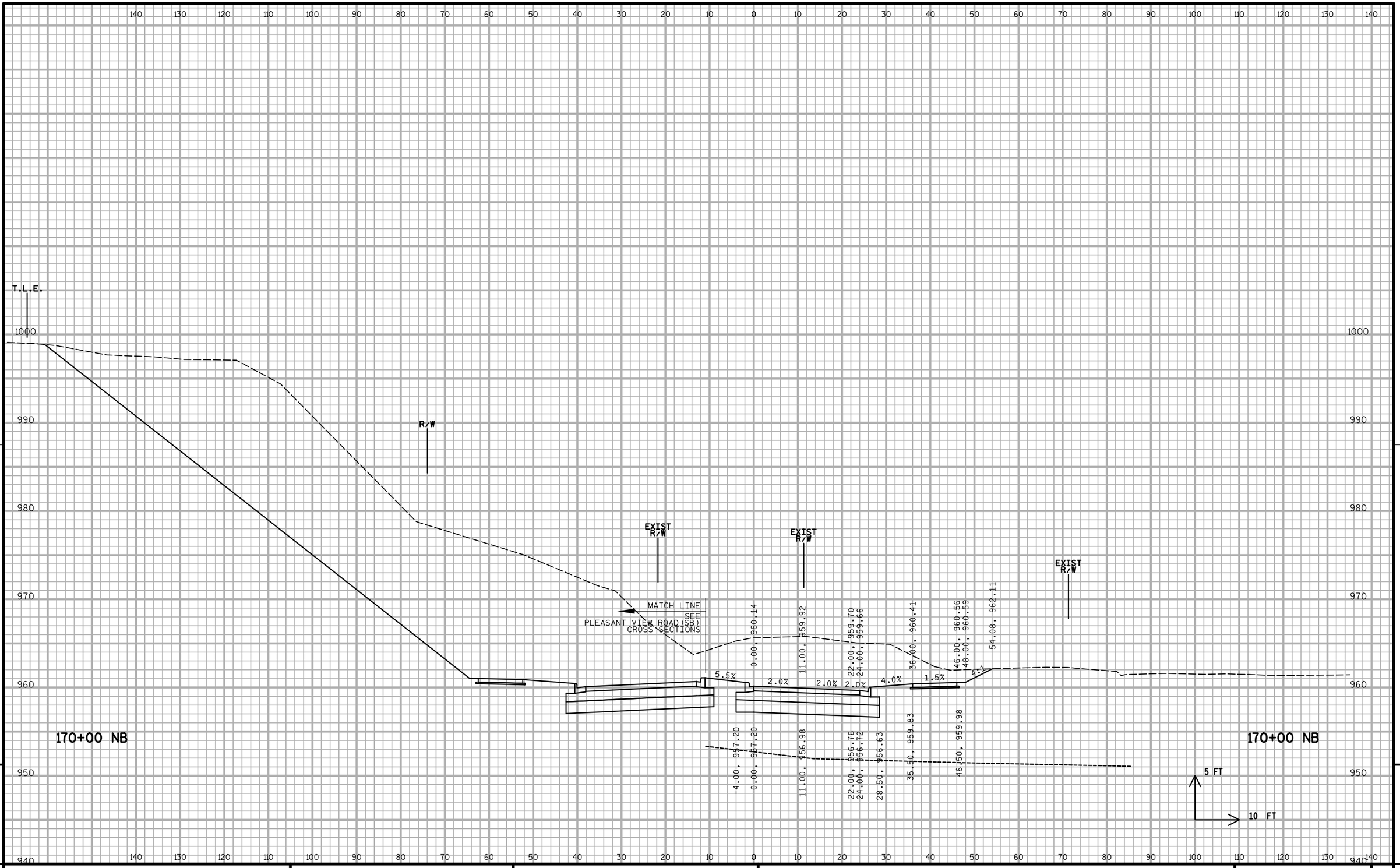
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 1006	E



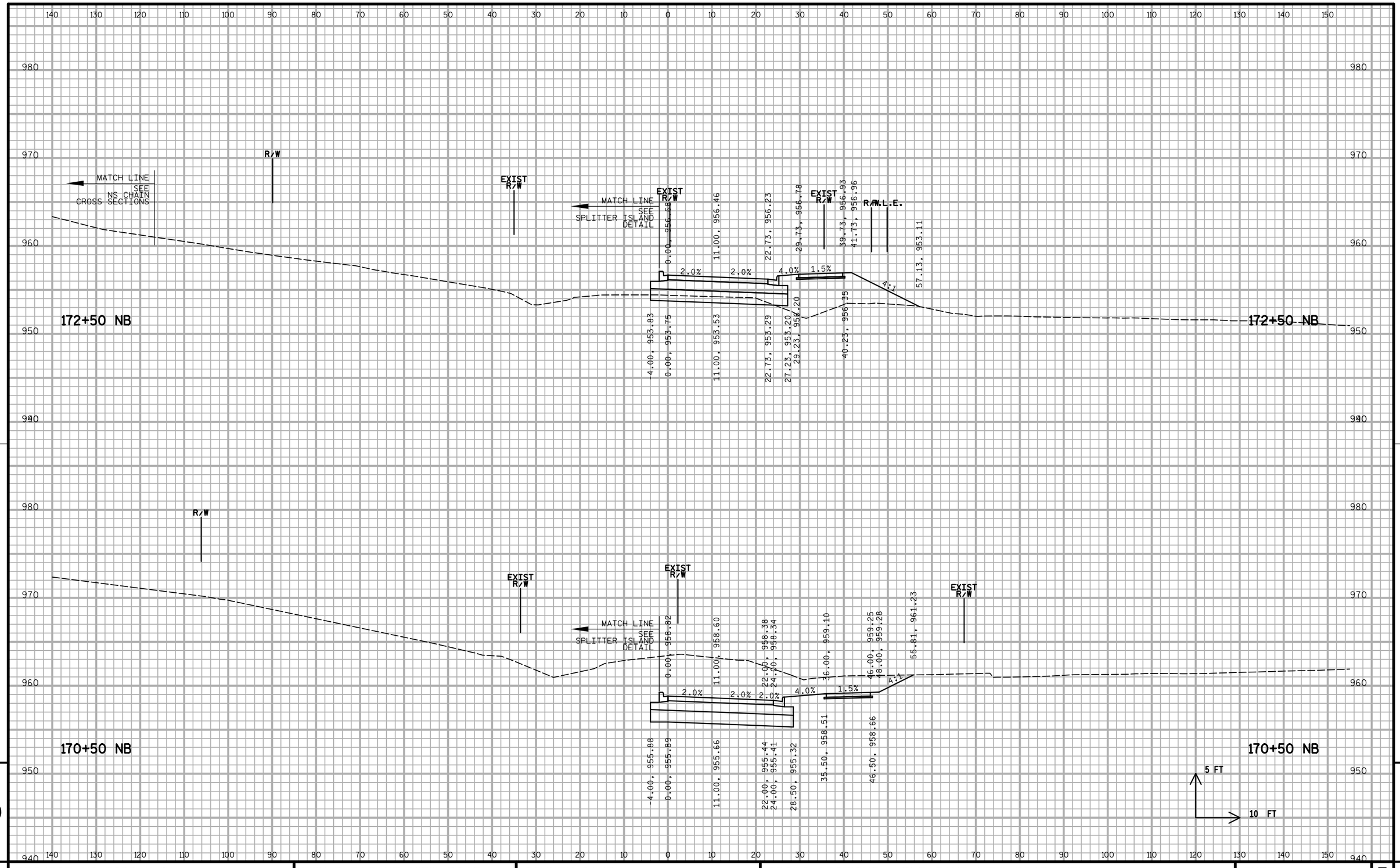
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 1007	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 3/8/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



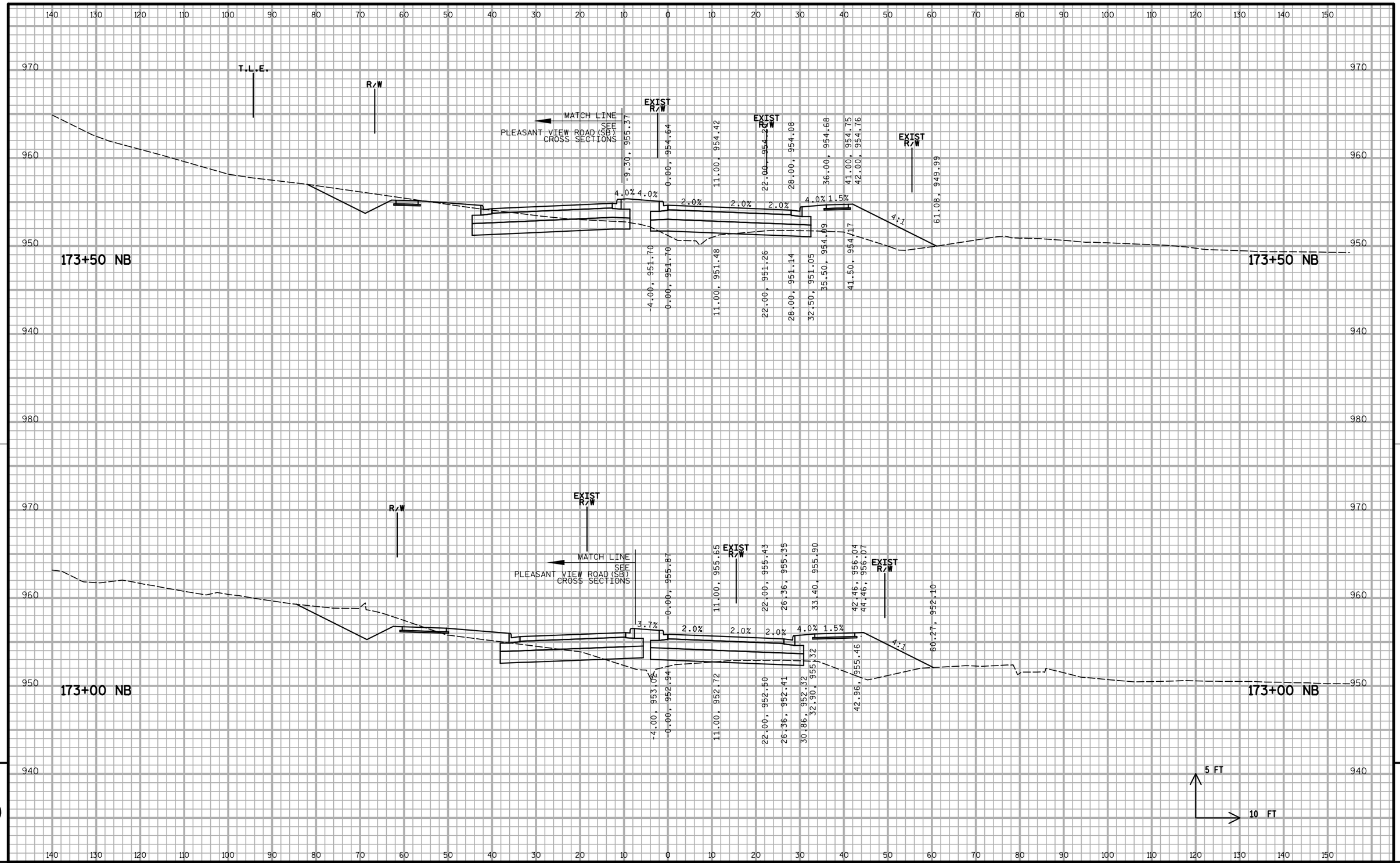
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 1008	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 3/8/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



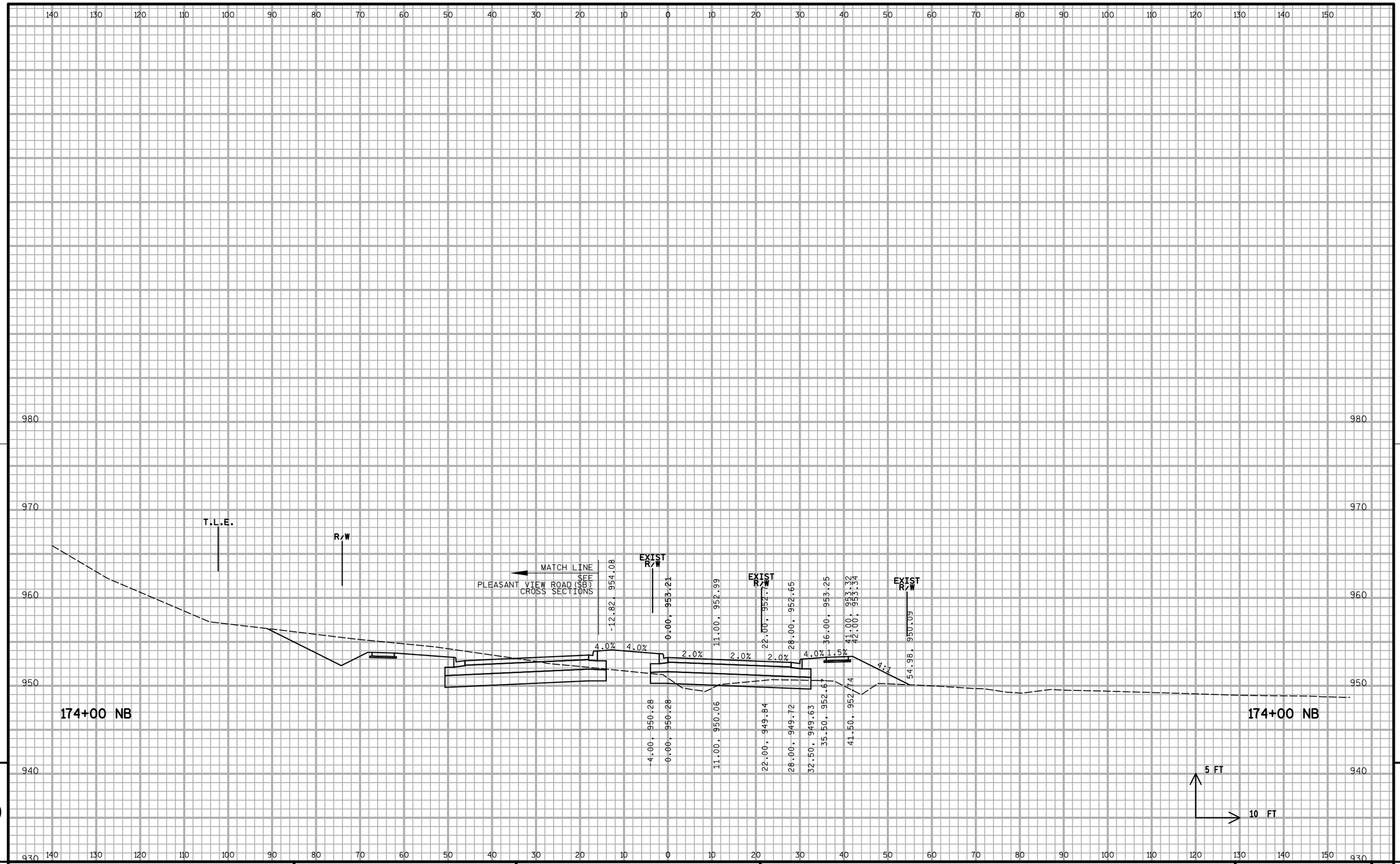
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 1009	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 1010	E

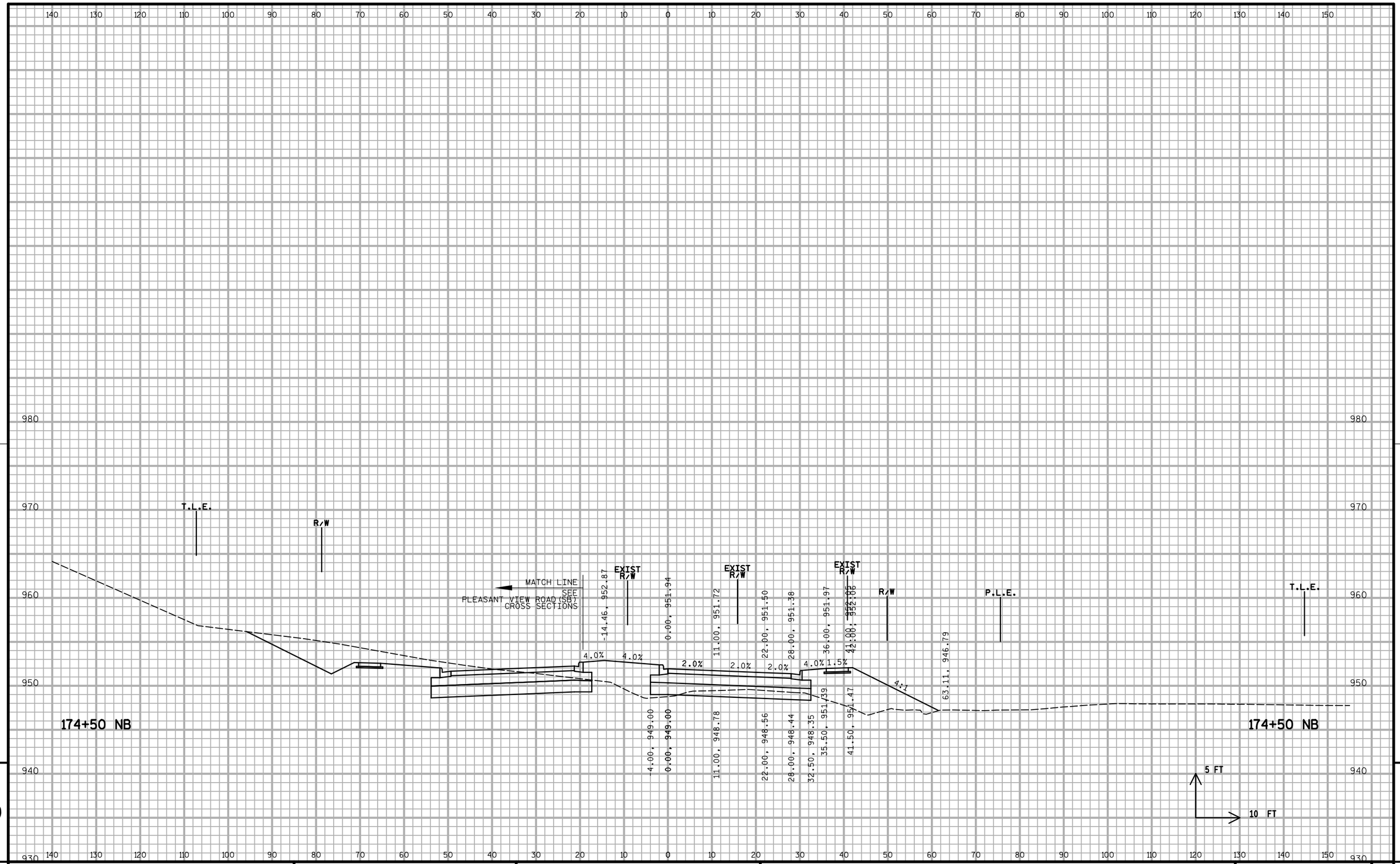
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 1011	E

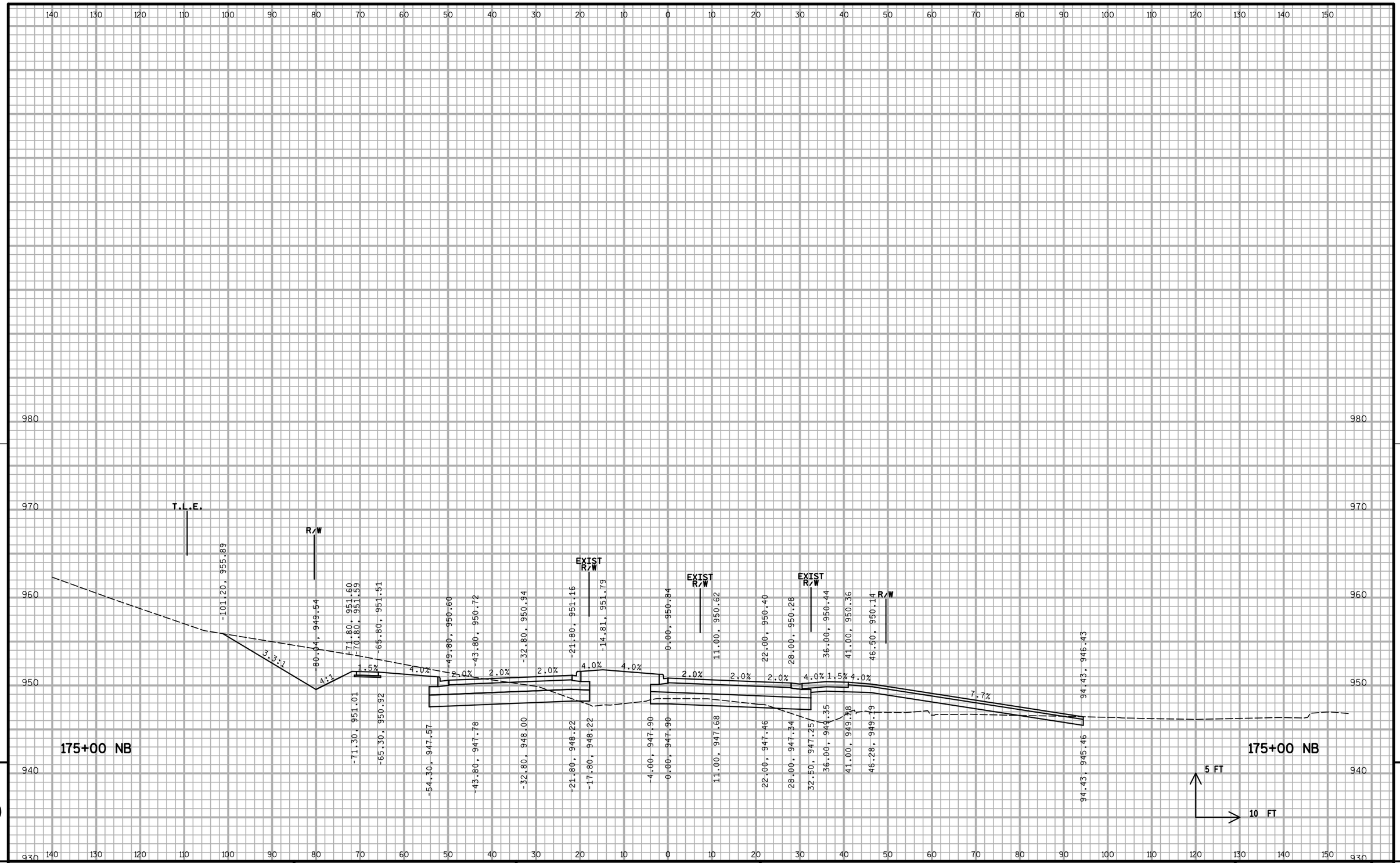


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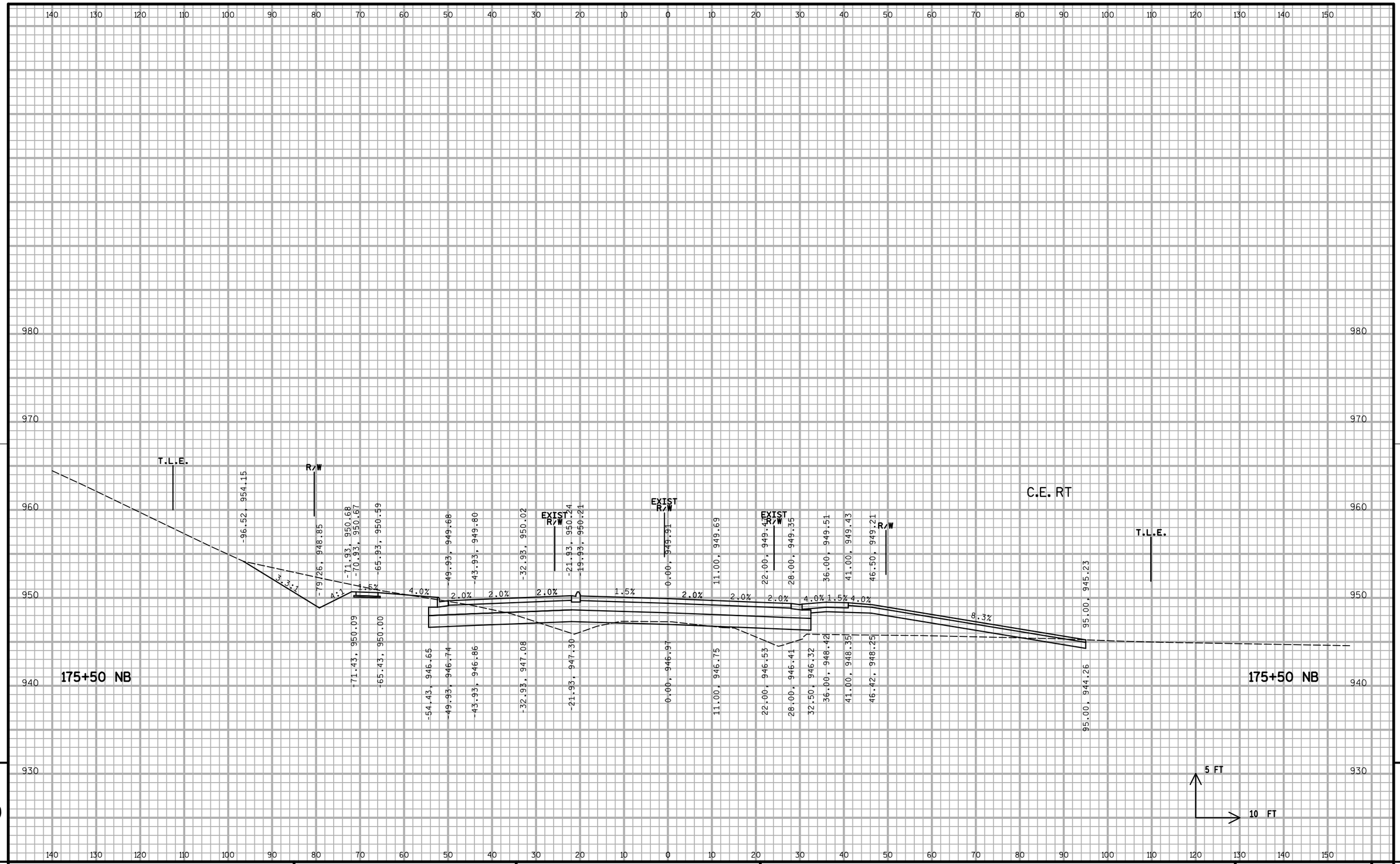
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 1012	E

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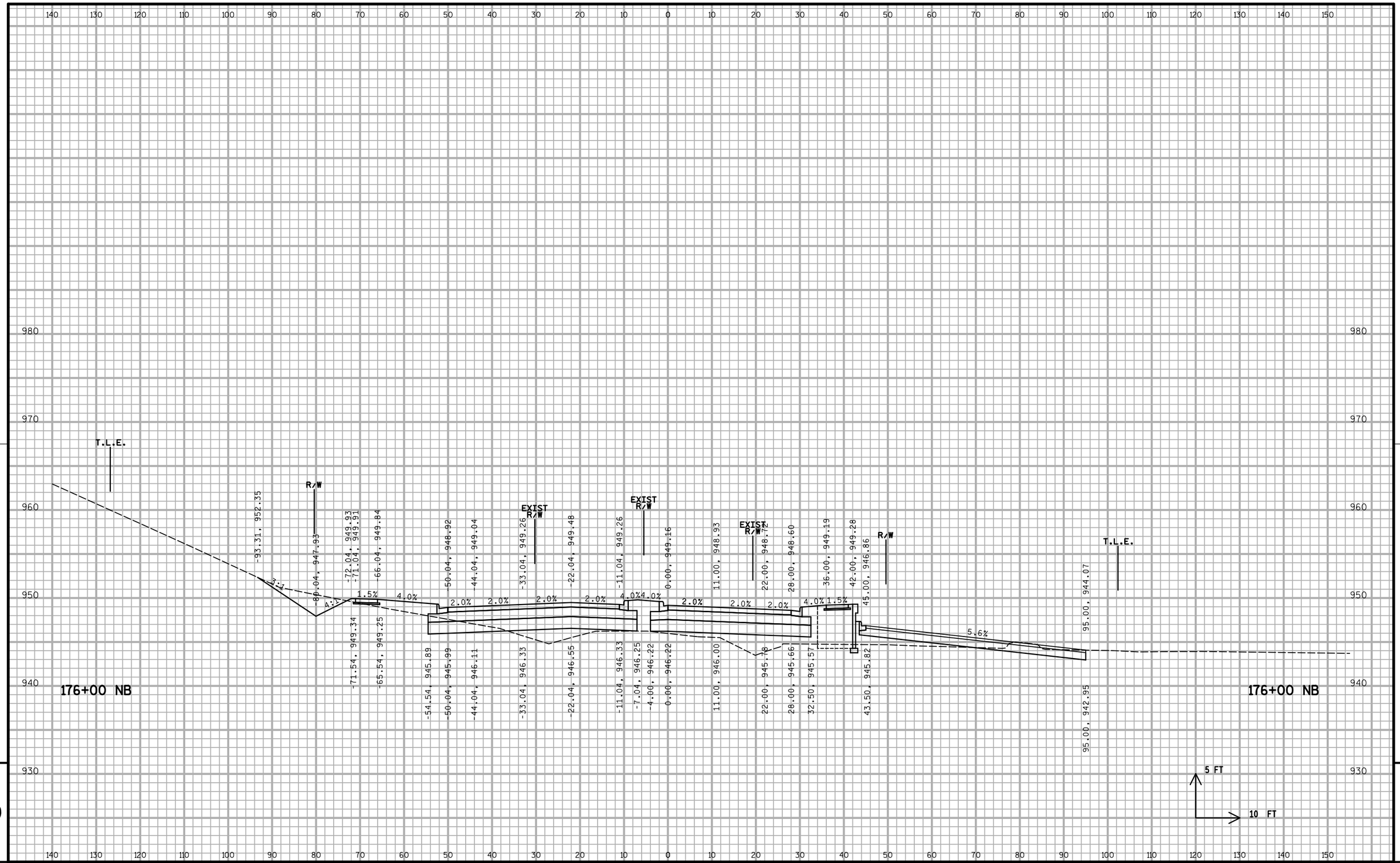


PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 1013	E

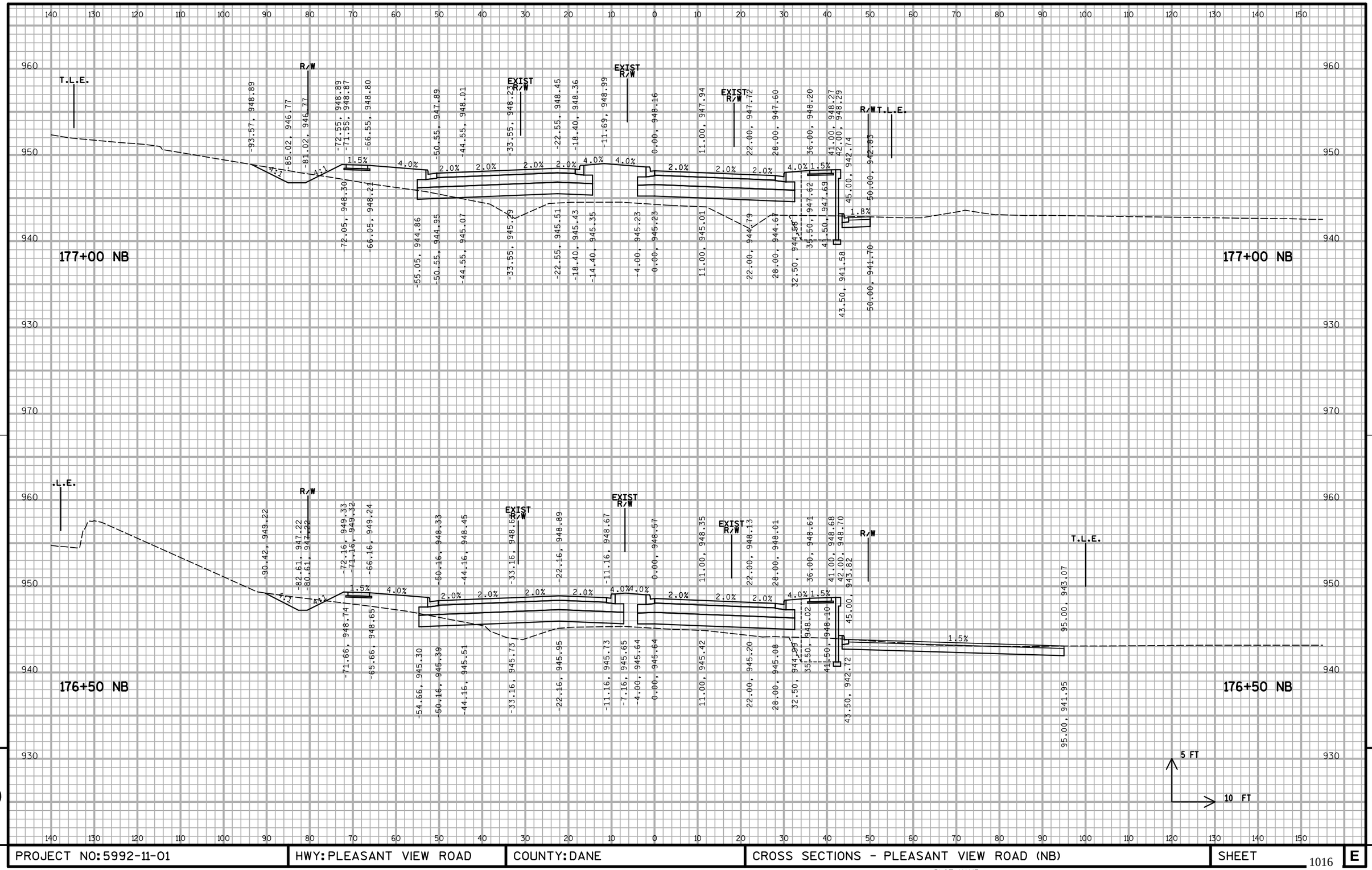
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 1014	E



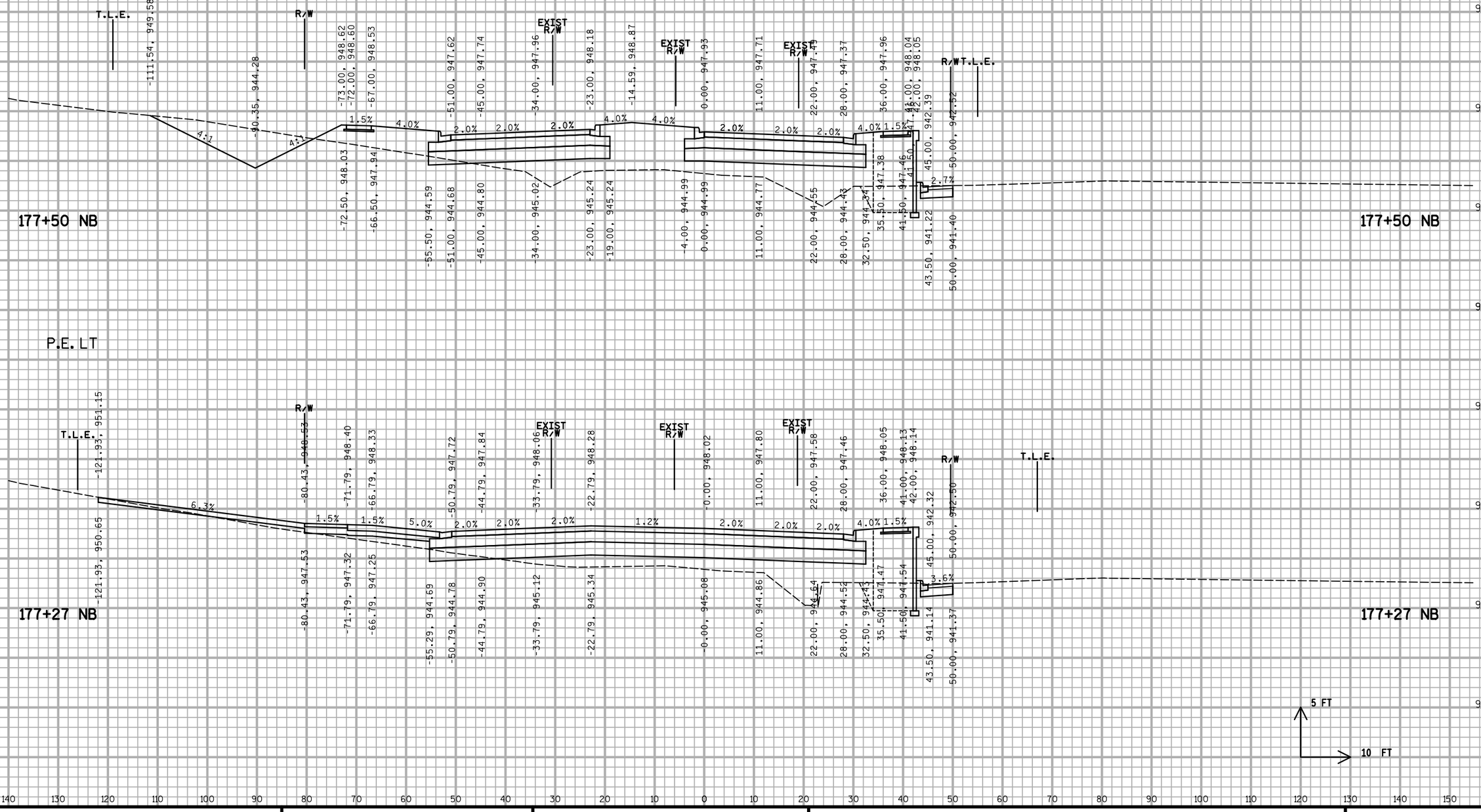
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 1015	E



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 1016 E

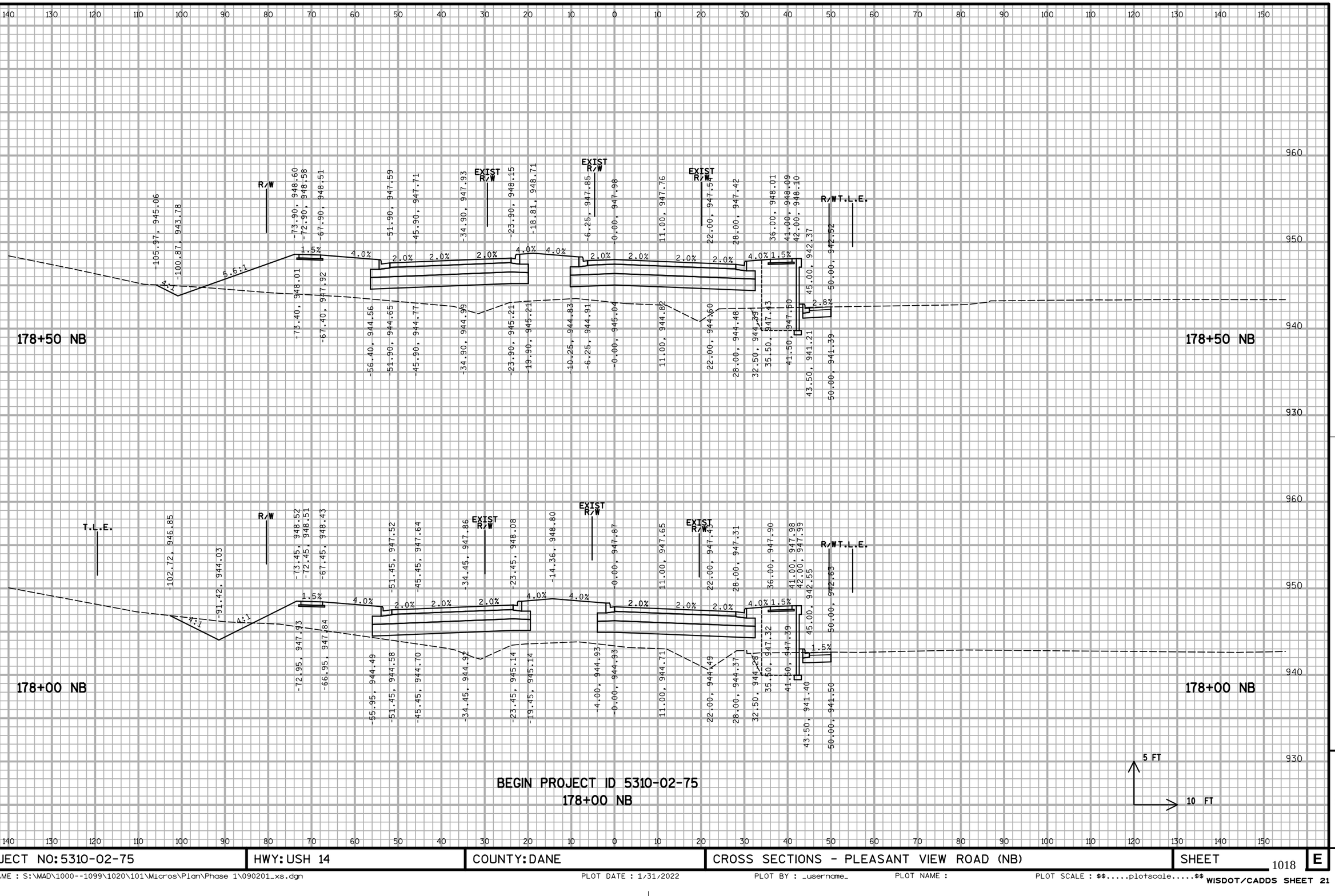
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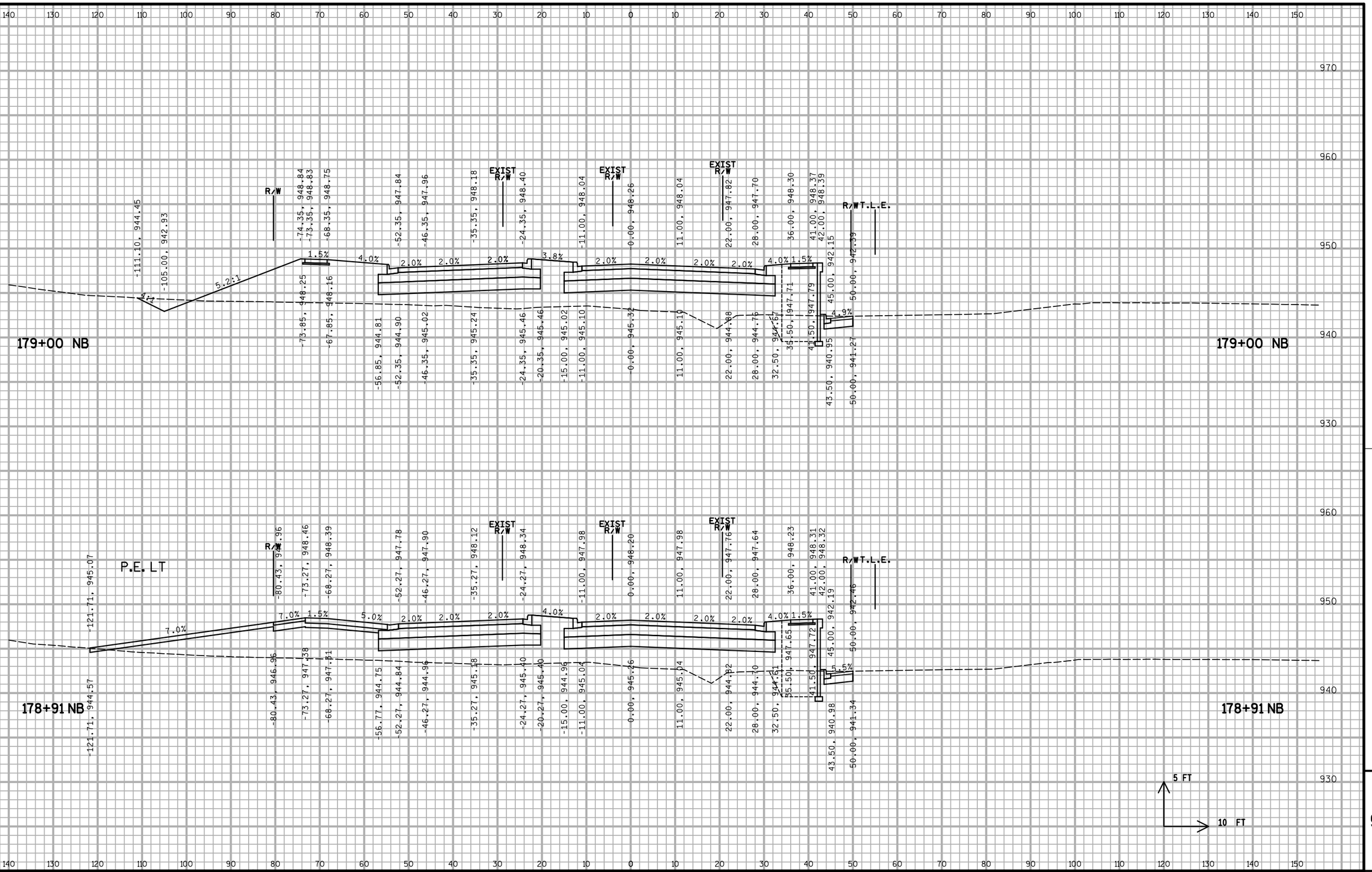
END PROJECT ID 5992-11-01
178+00 NB



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 1017	E

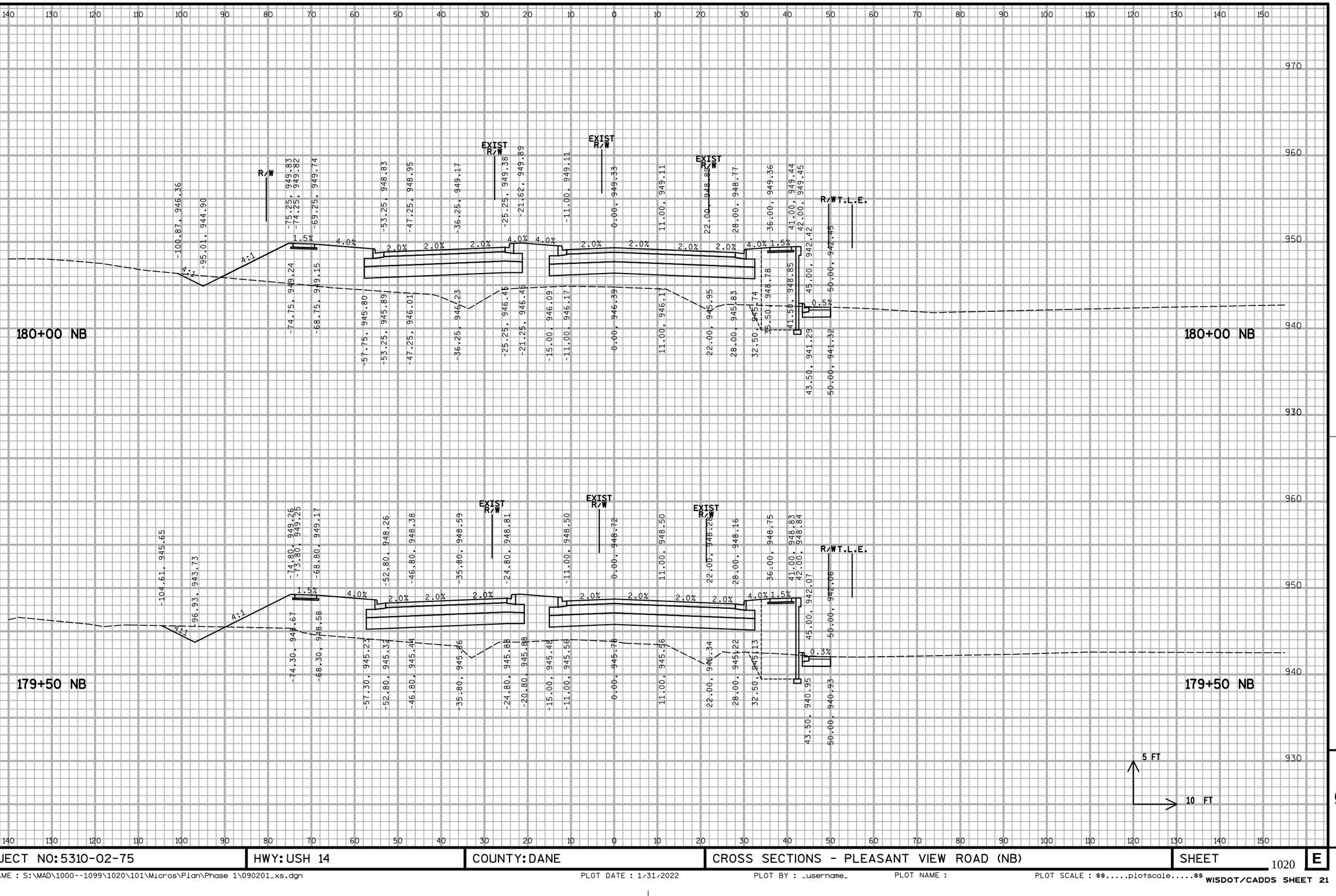
FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 7/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21


178+50 NB
R/W
EXIST R/W
EXIST R/W
EXIST R/W
R/W
T.L.E.
R/W
T.L.E.
178+50 NB
178+00 NB
178+00 NB
BEGIN PROJECT ID 5310-02-75
178+00 NB
5 FT
10 FT



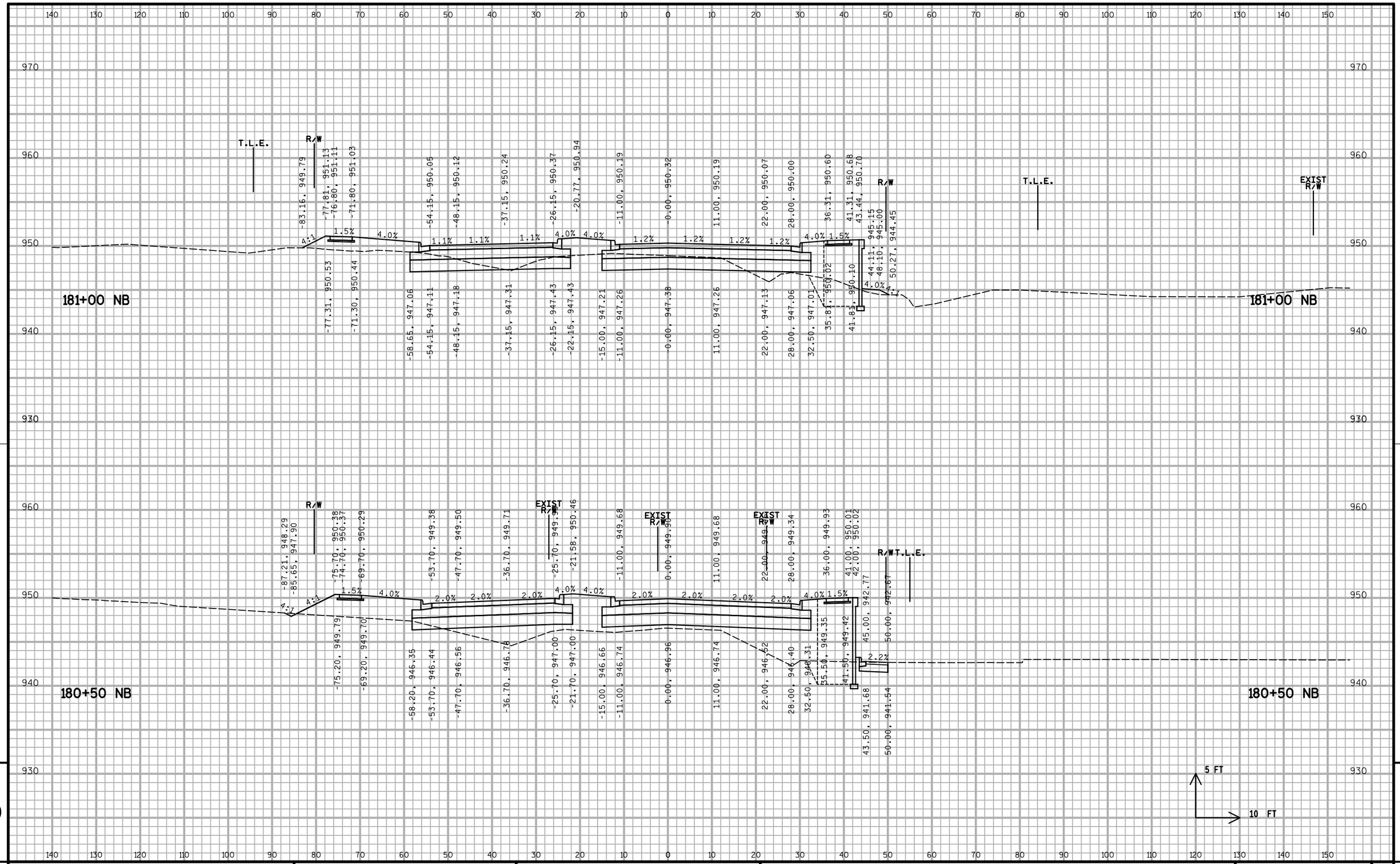
PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 1019	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 7/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 1020	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

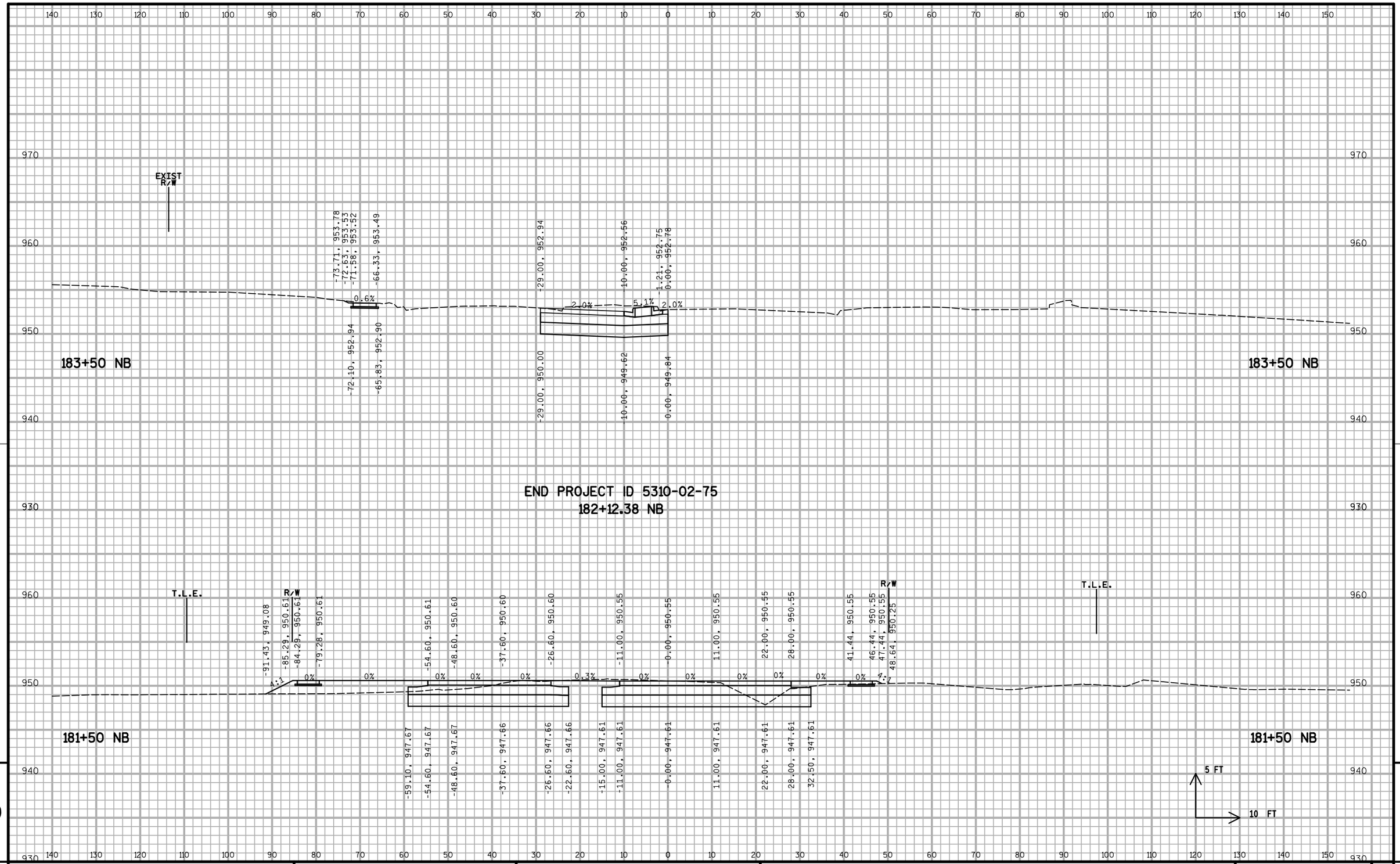


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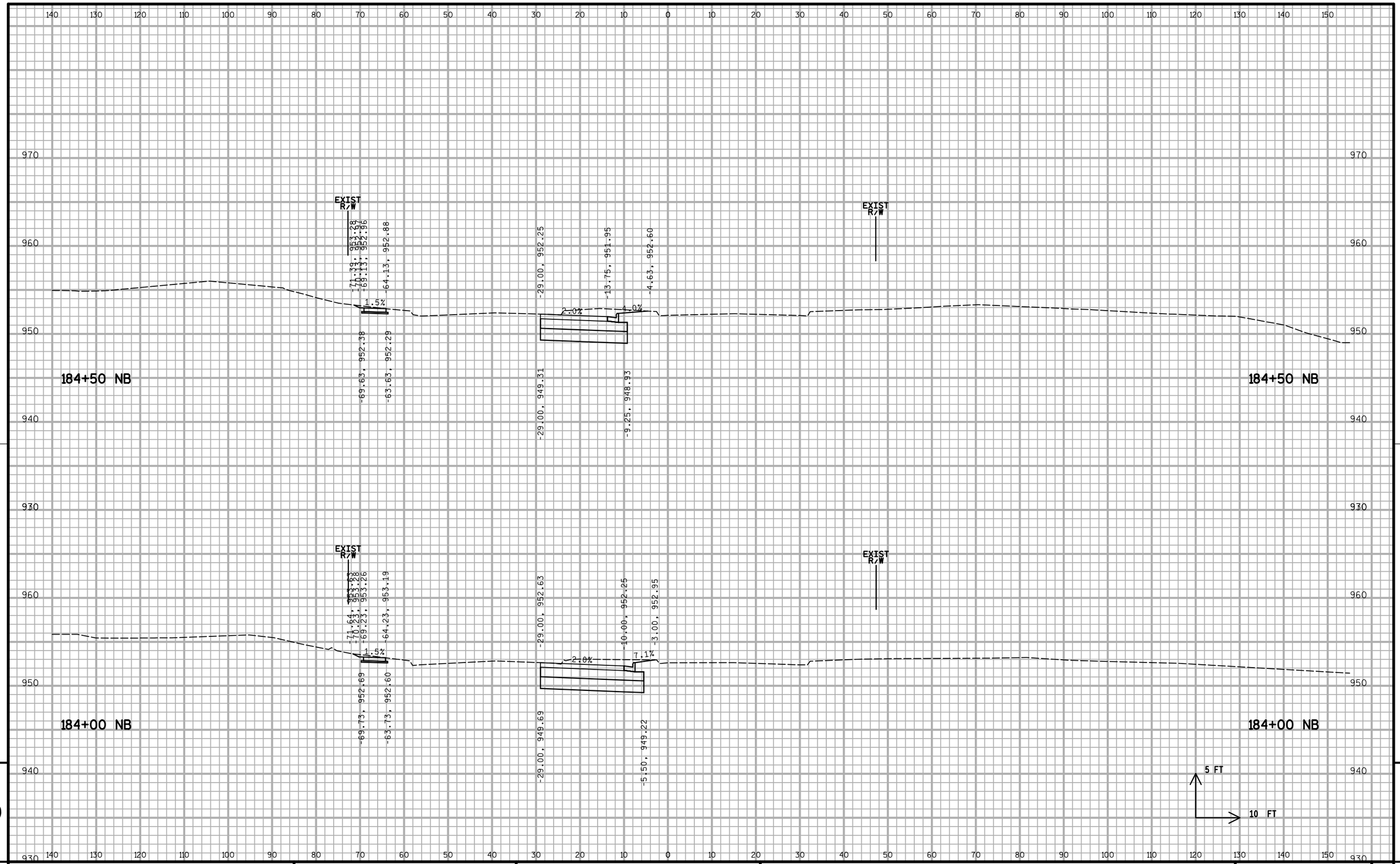
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PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 1022 E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



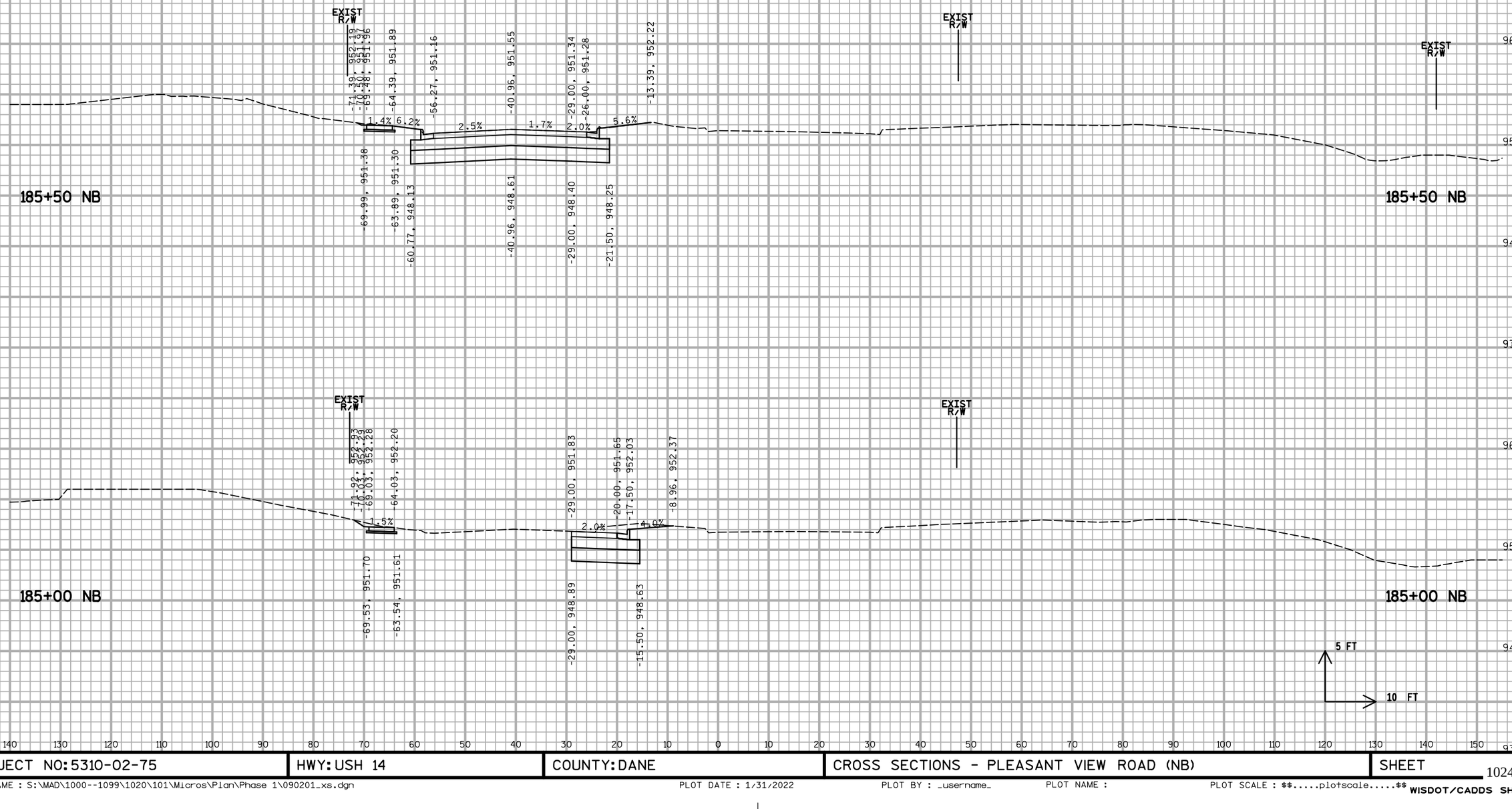
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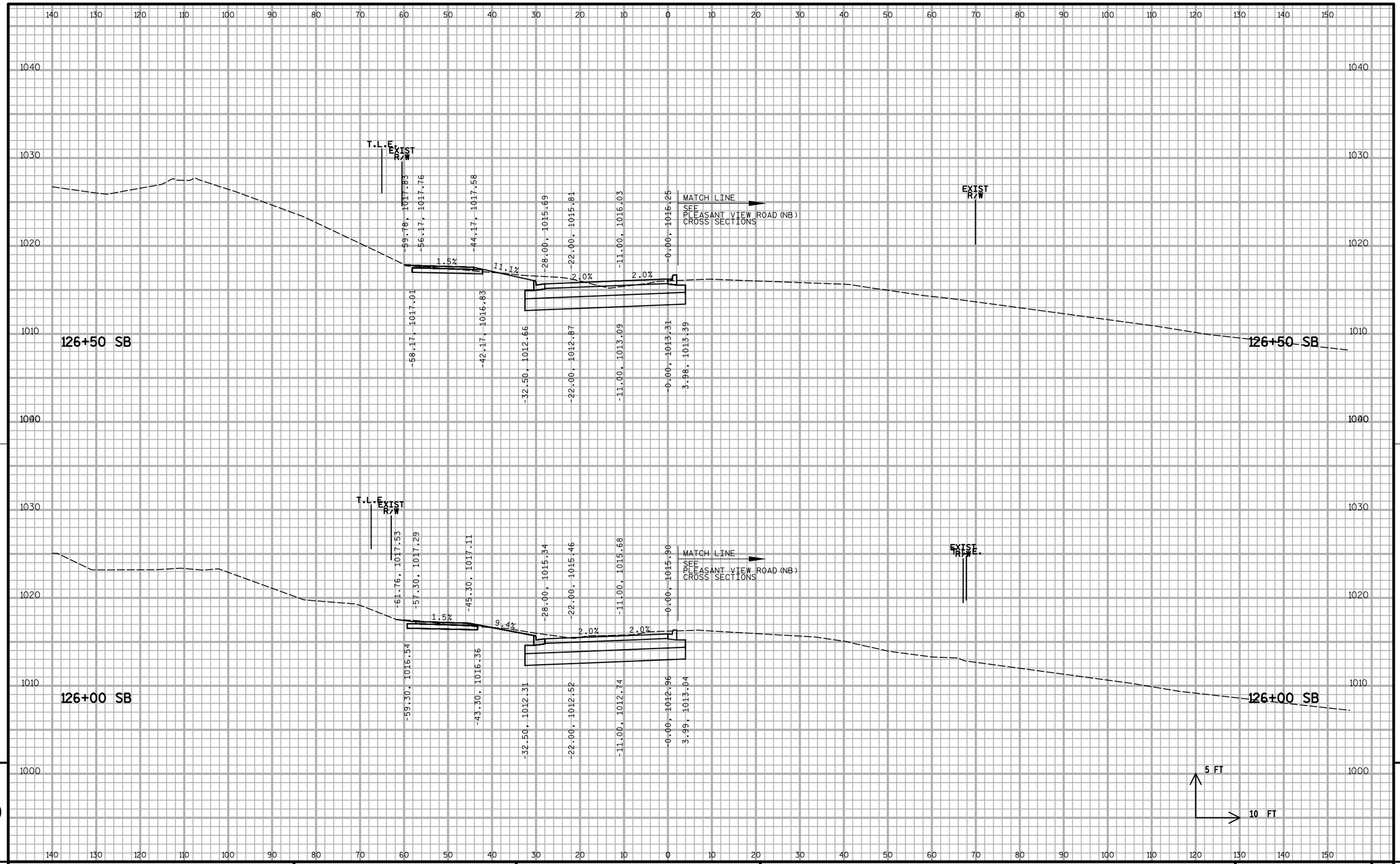
PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 1023	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

END CONSTRUCTION
PROJECT ID 5310-02-75
186+20 NB



PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (NB)	SHEET 1024	E

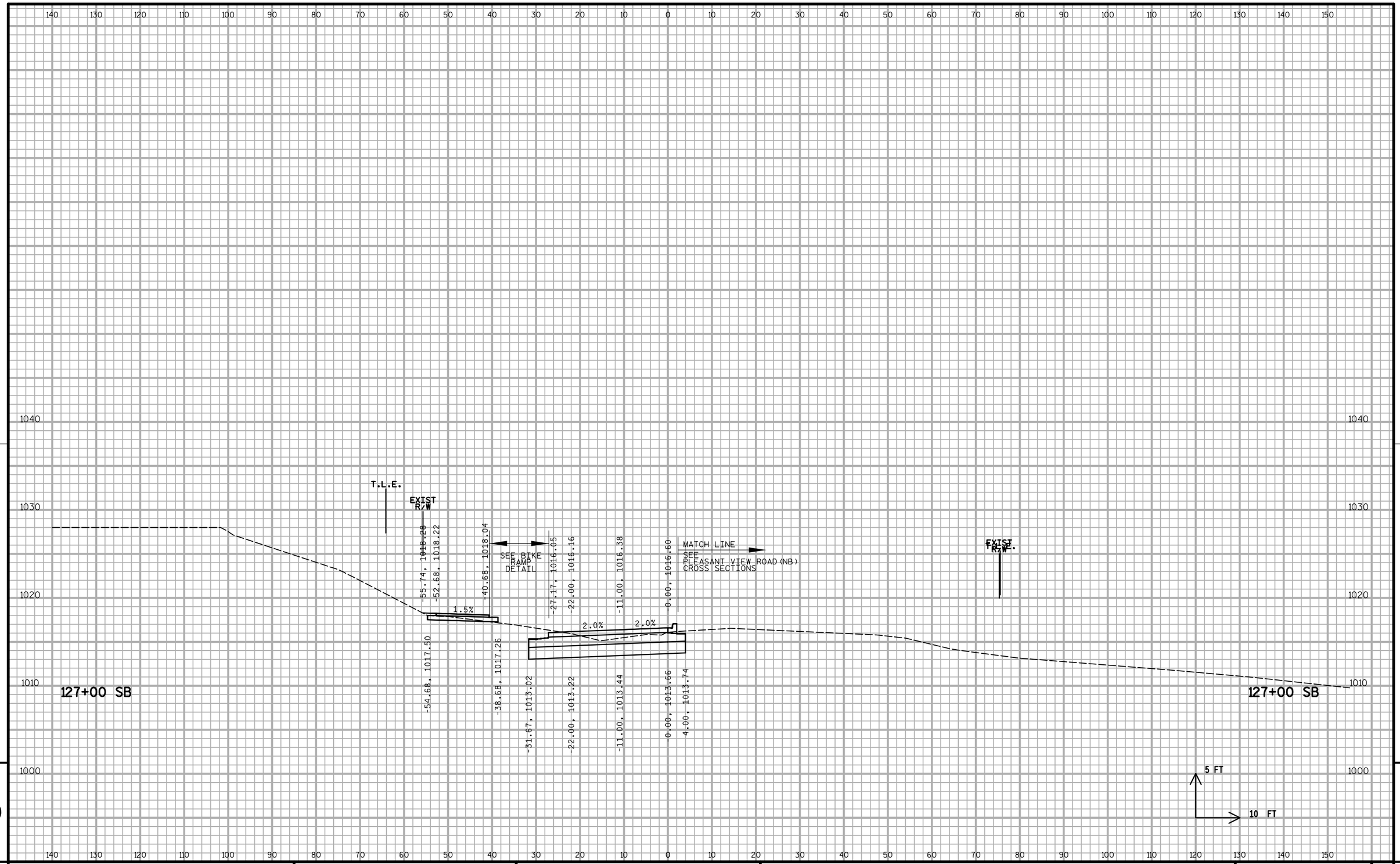


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1025	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201b_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

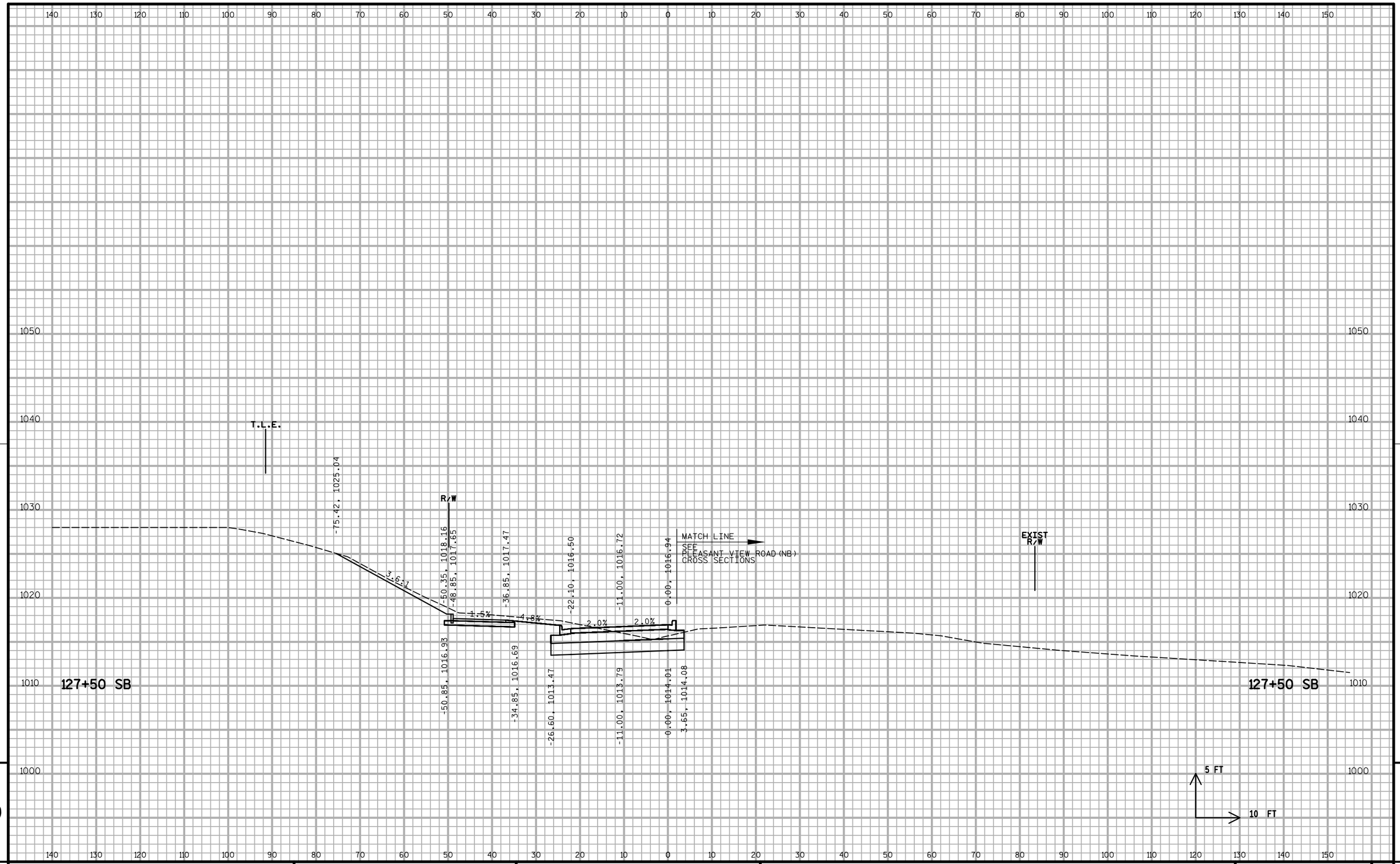


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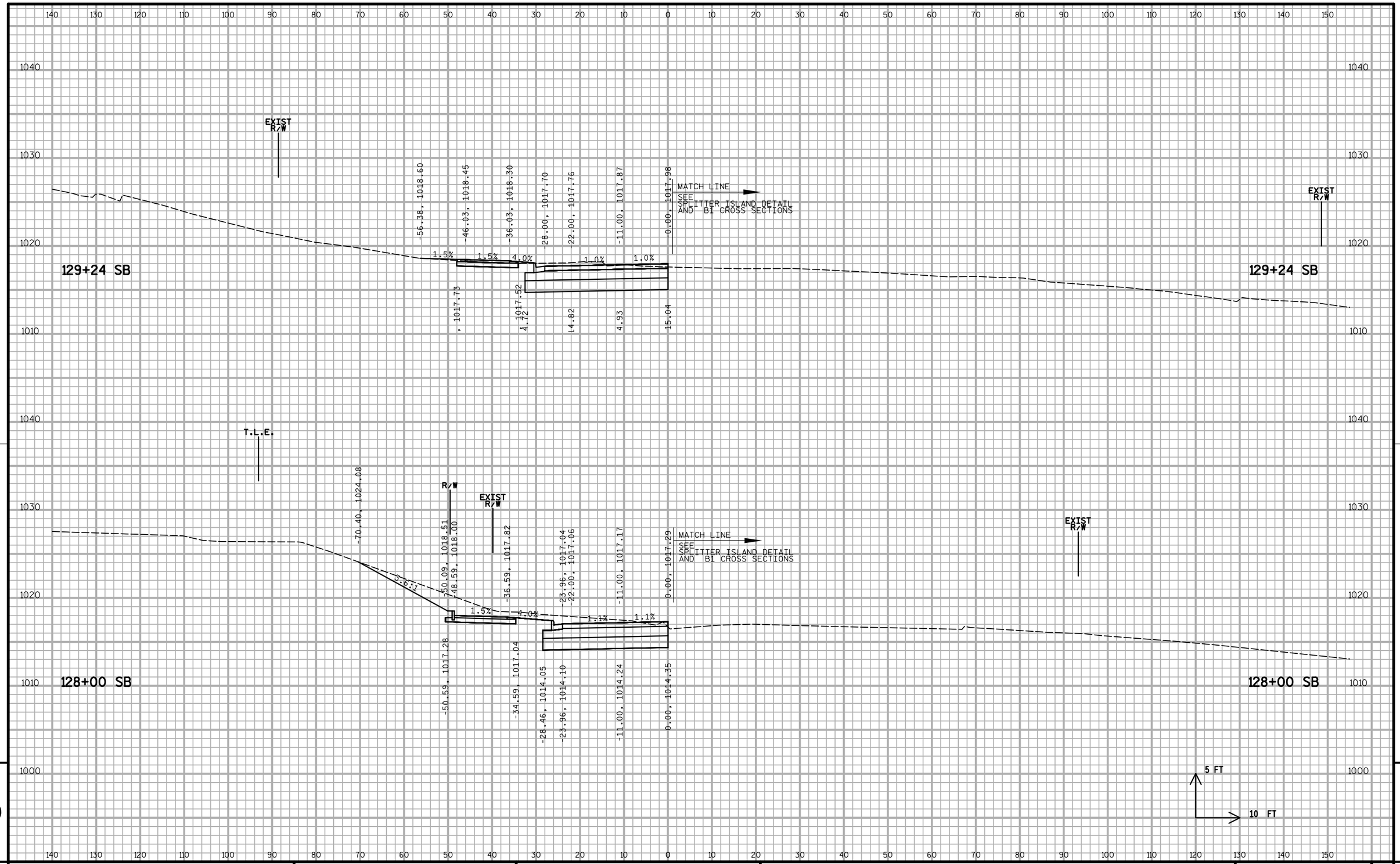
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1026	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201b_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



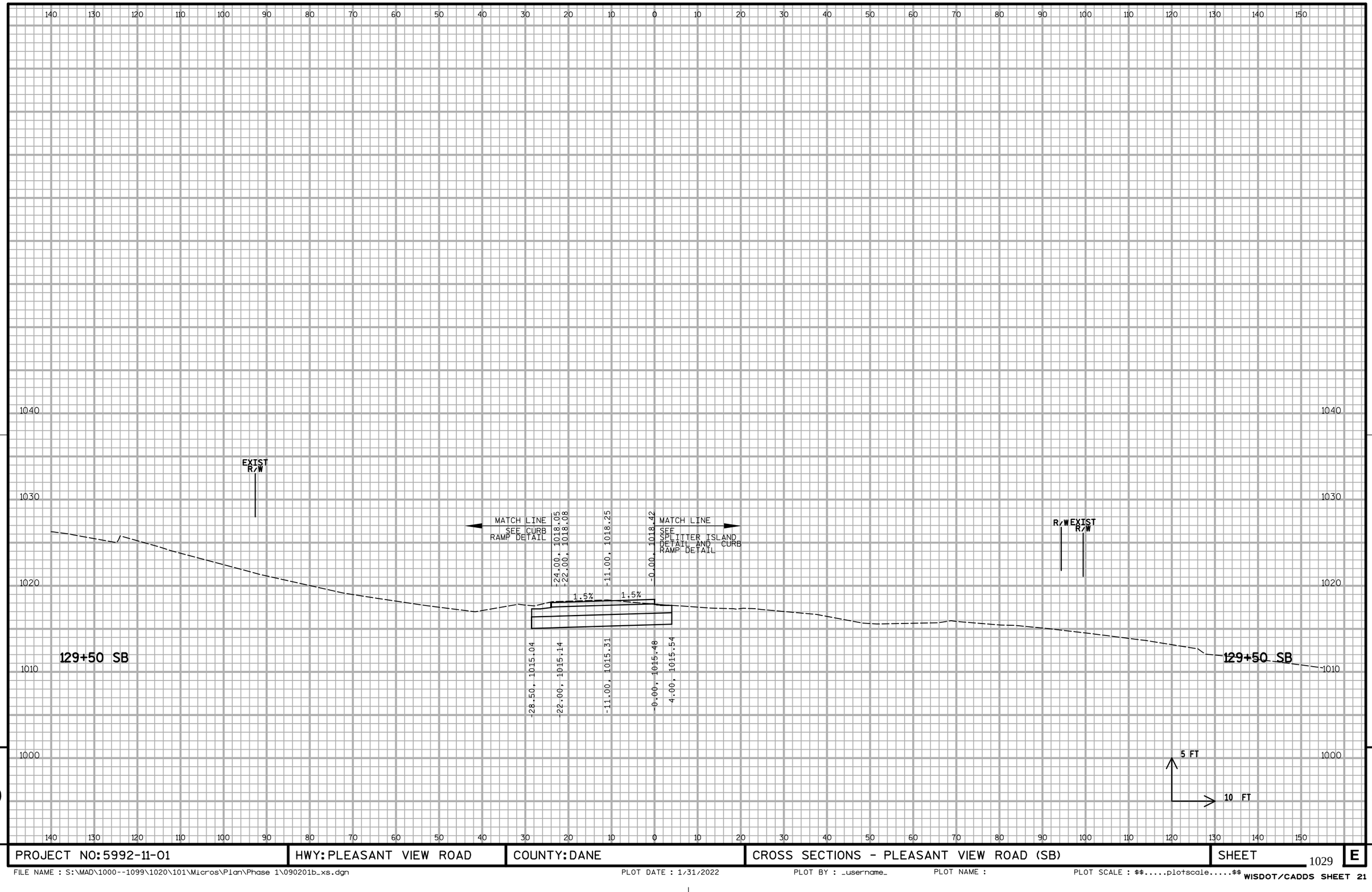
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1027	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201b_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1028	E

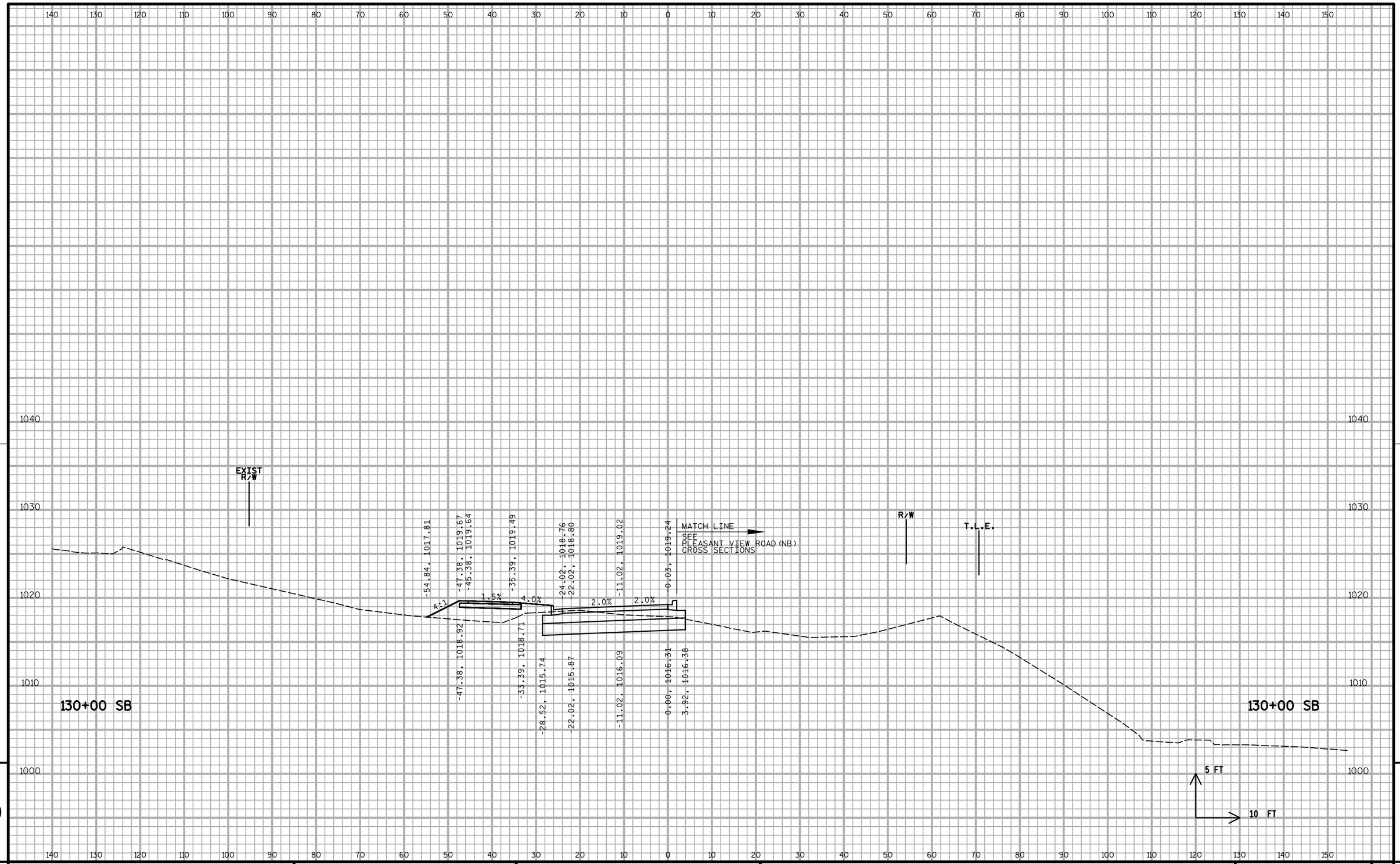
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1029	E

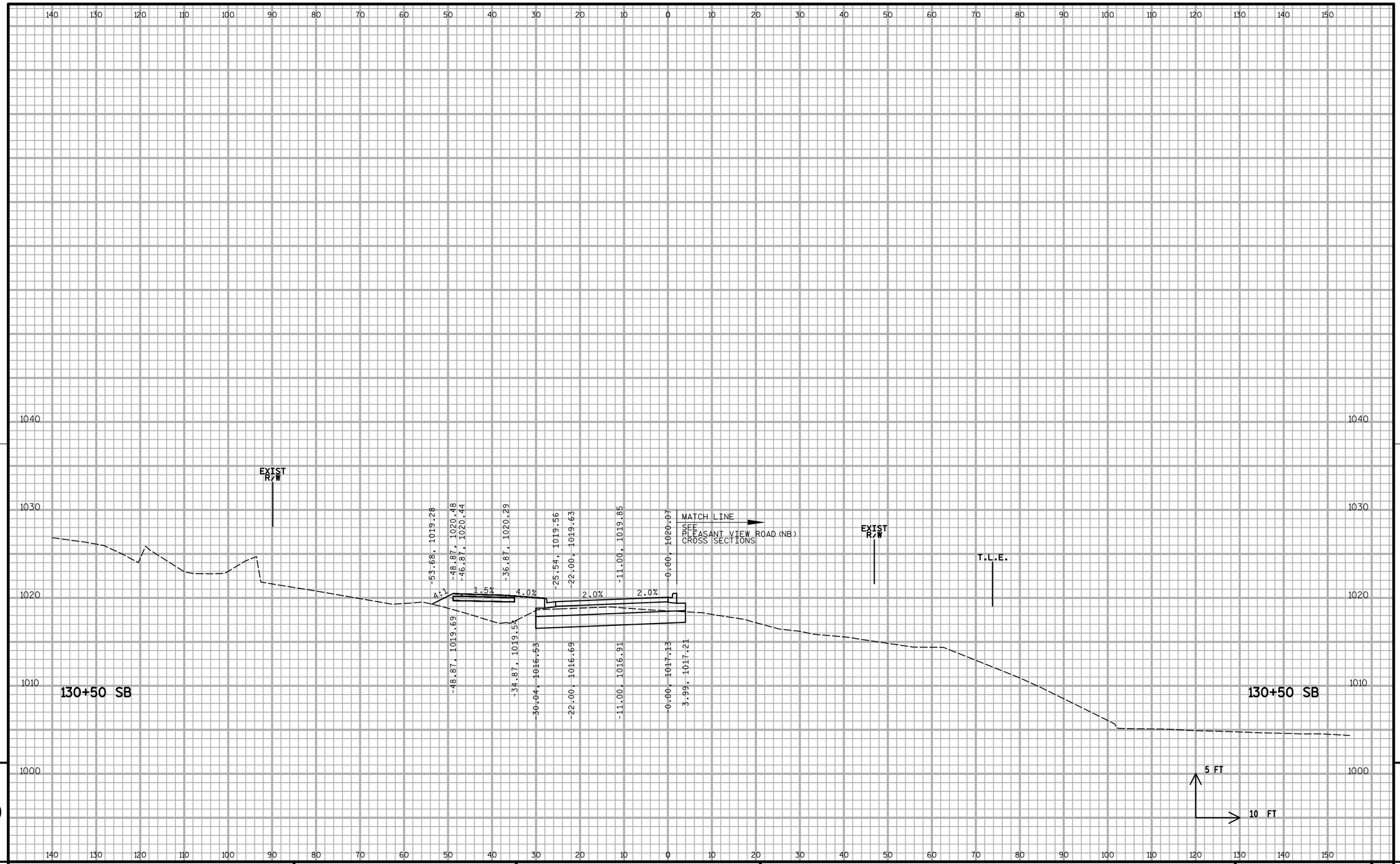


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1030	E

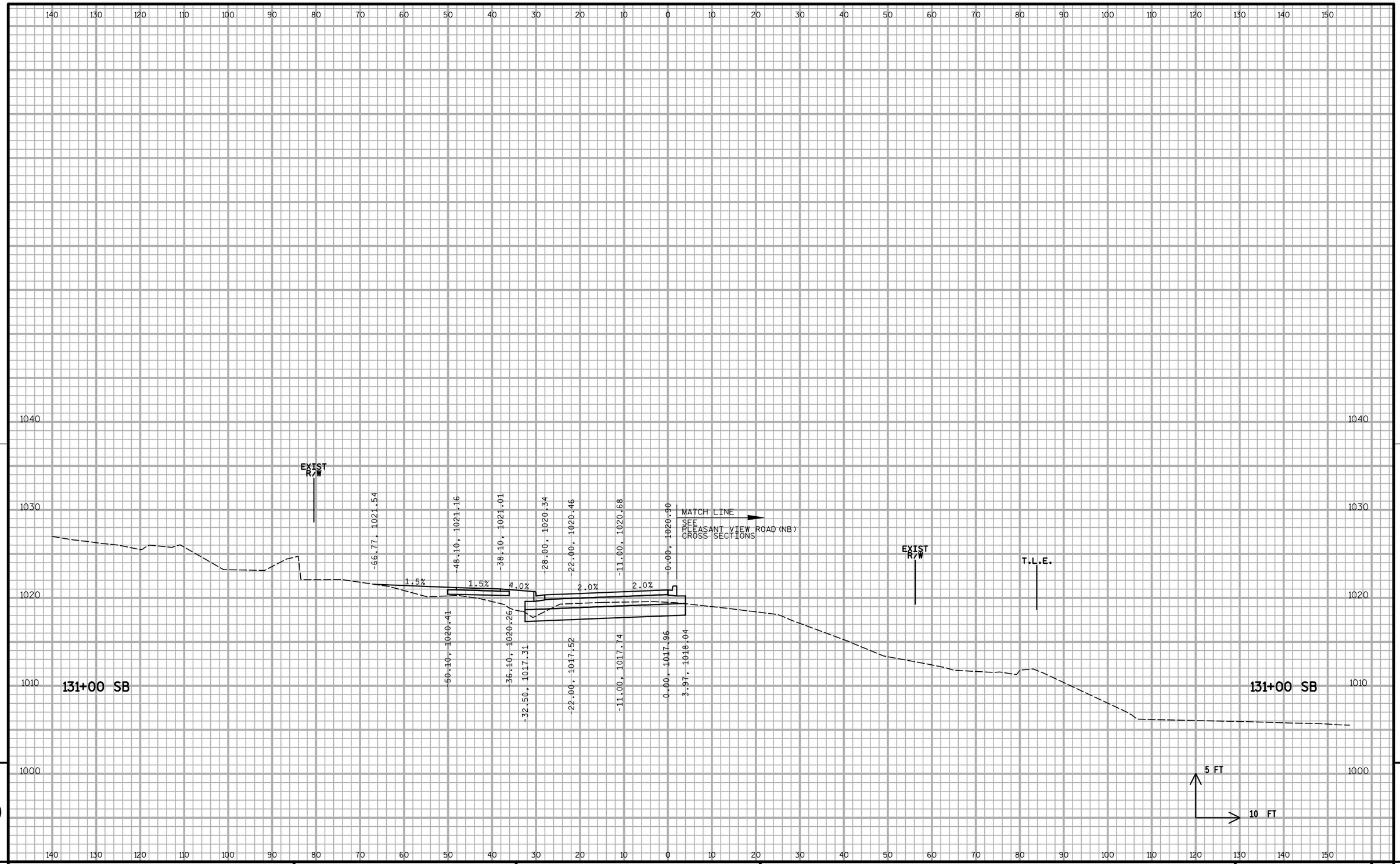
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1031	E

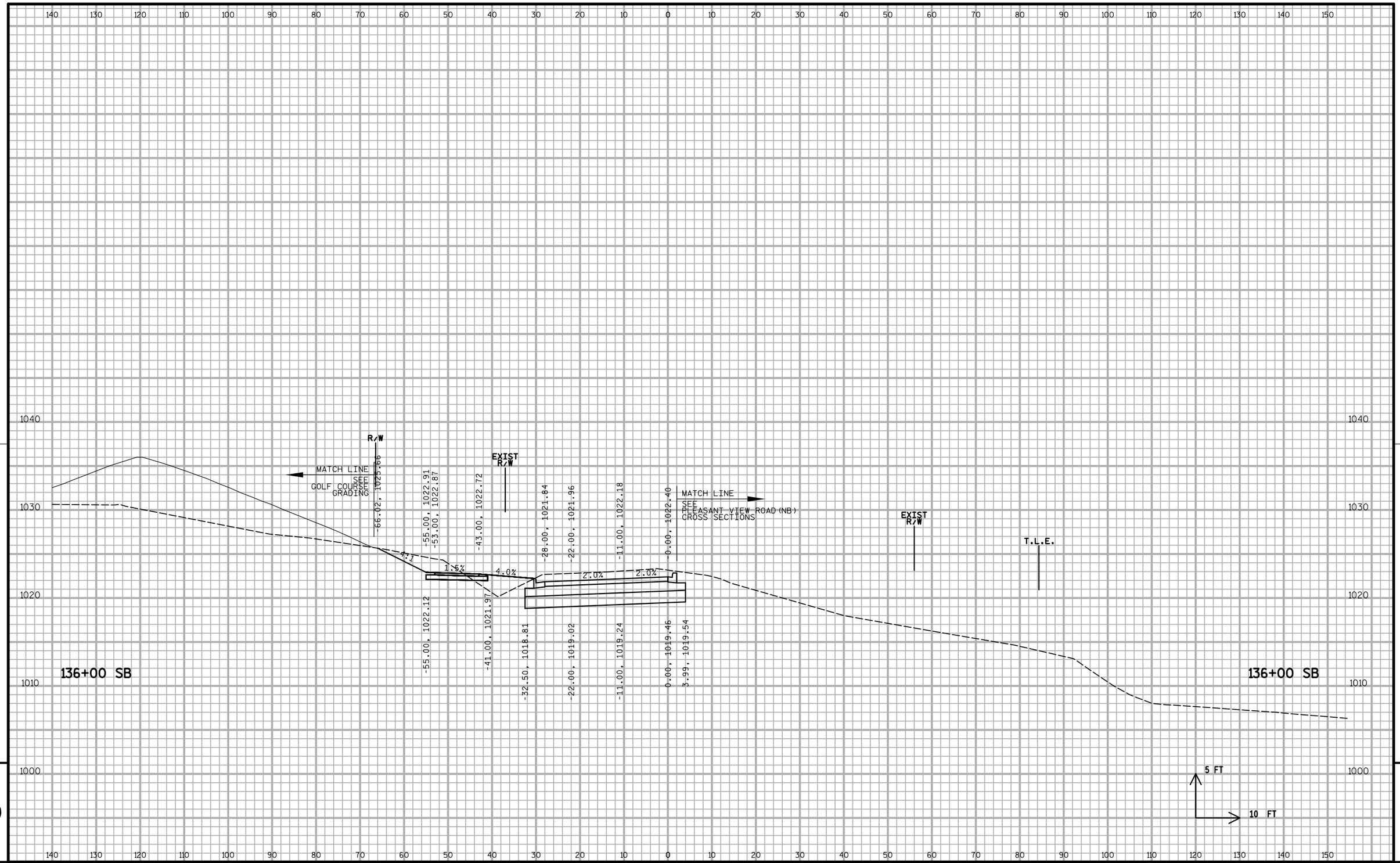


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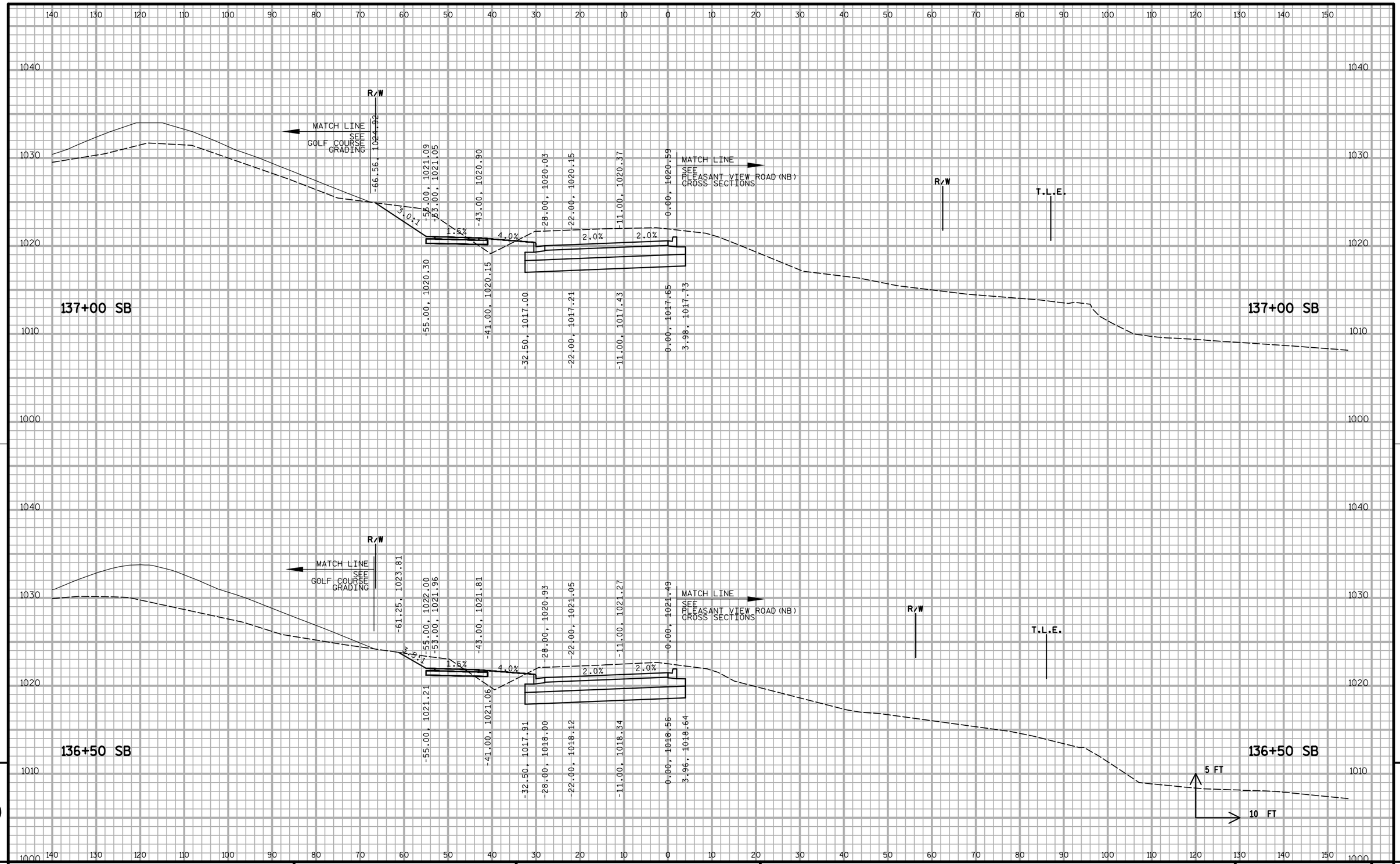
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1032	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201b_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1033	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201b_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

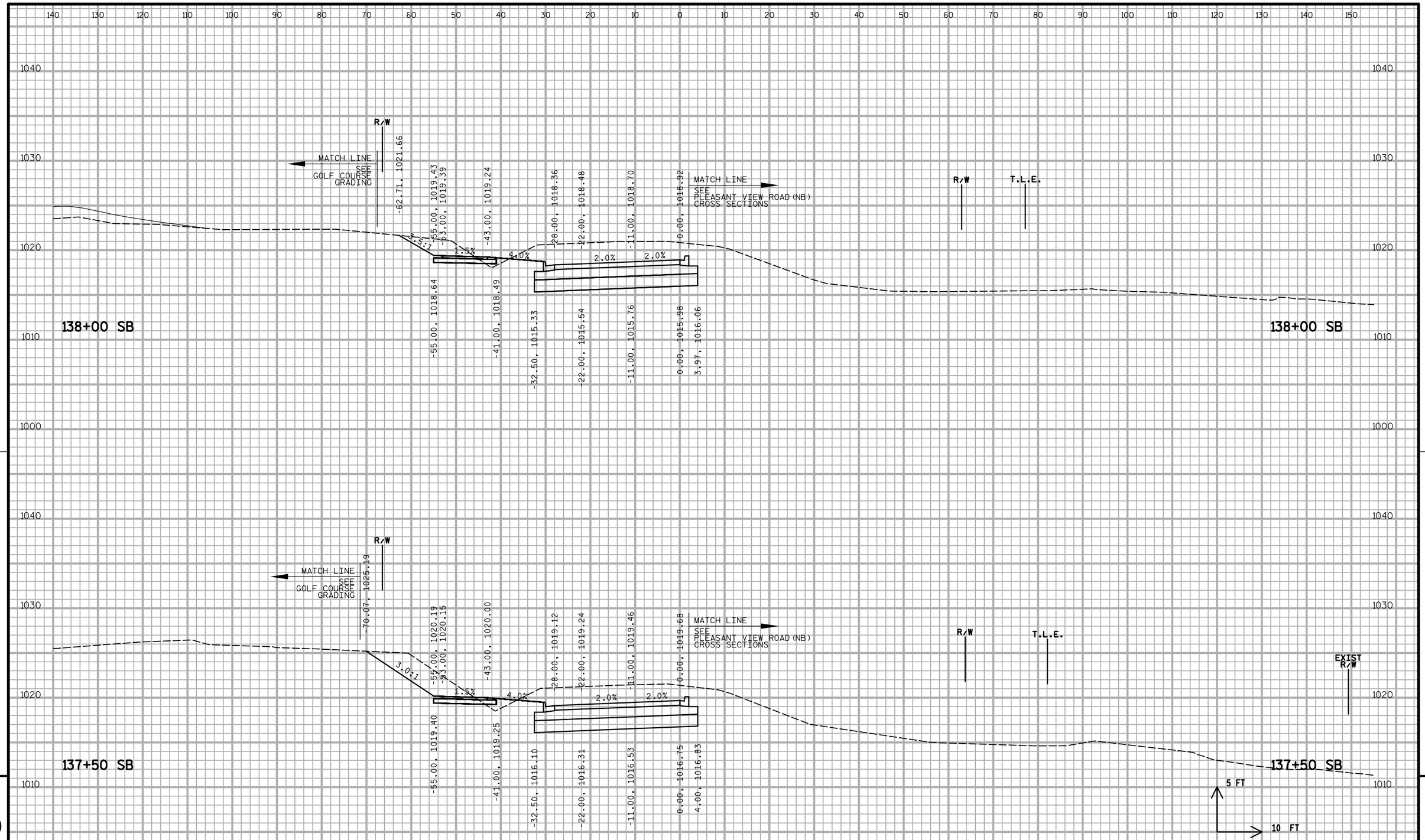


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1034	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201b_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

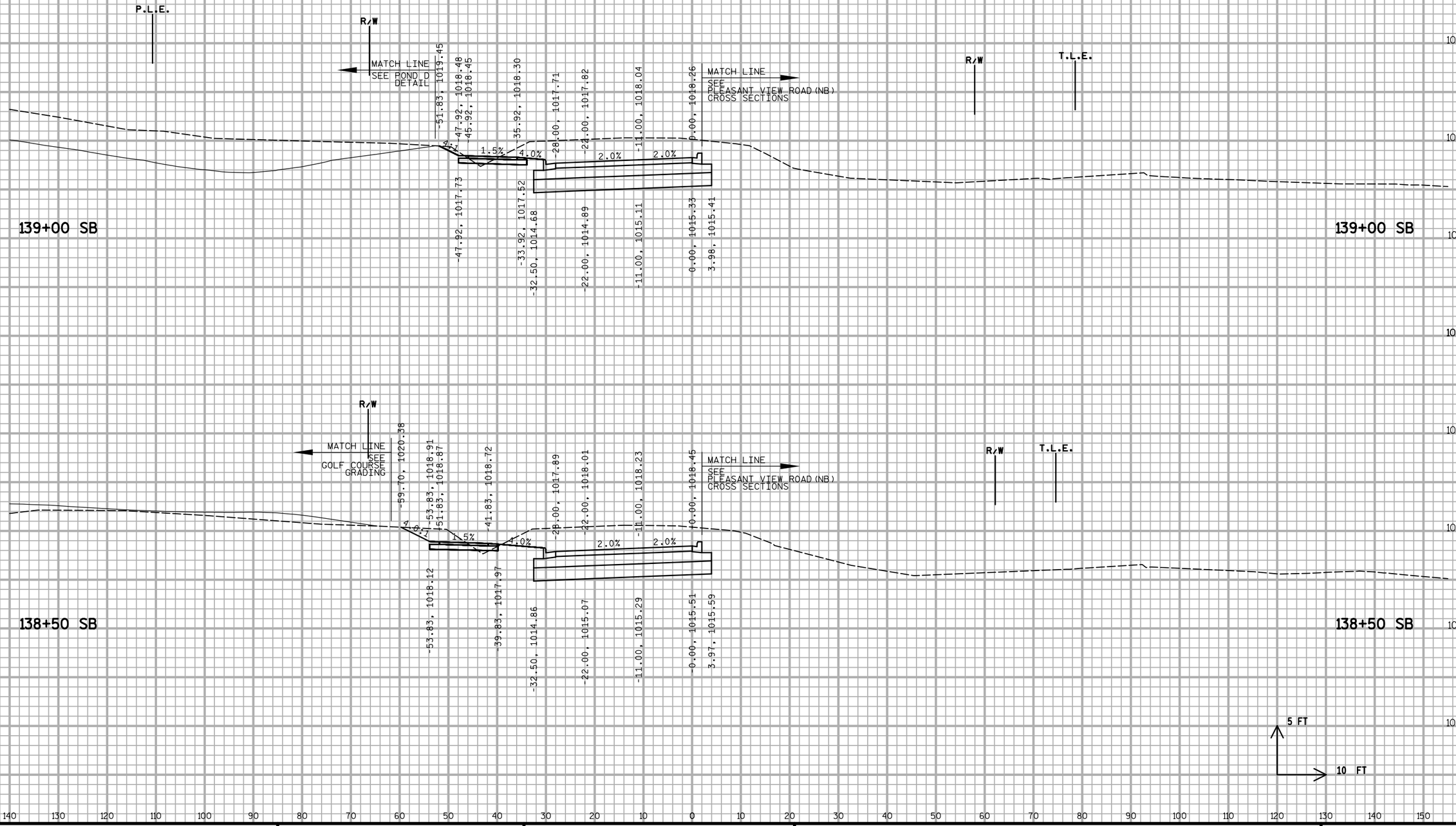


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1035	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201b_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

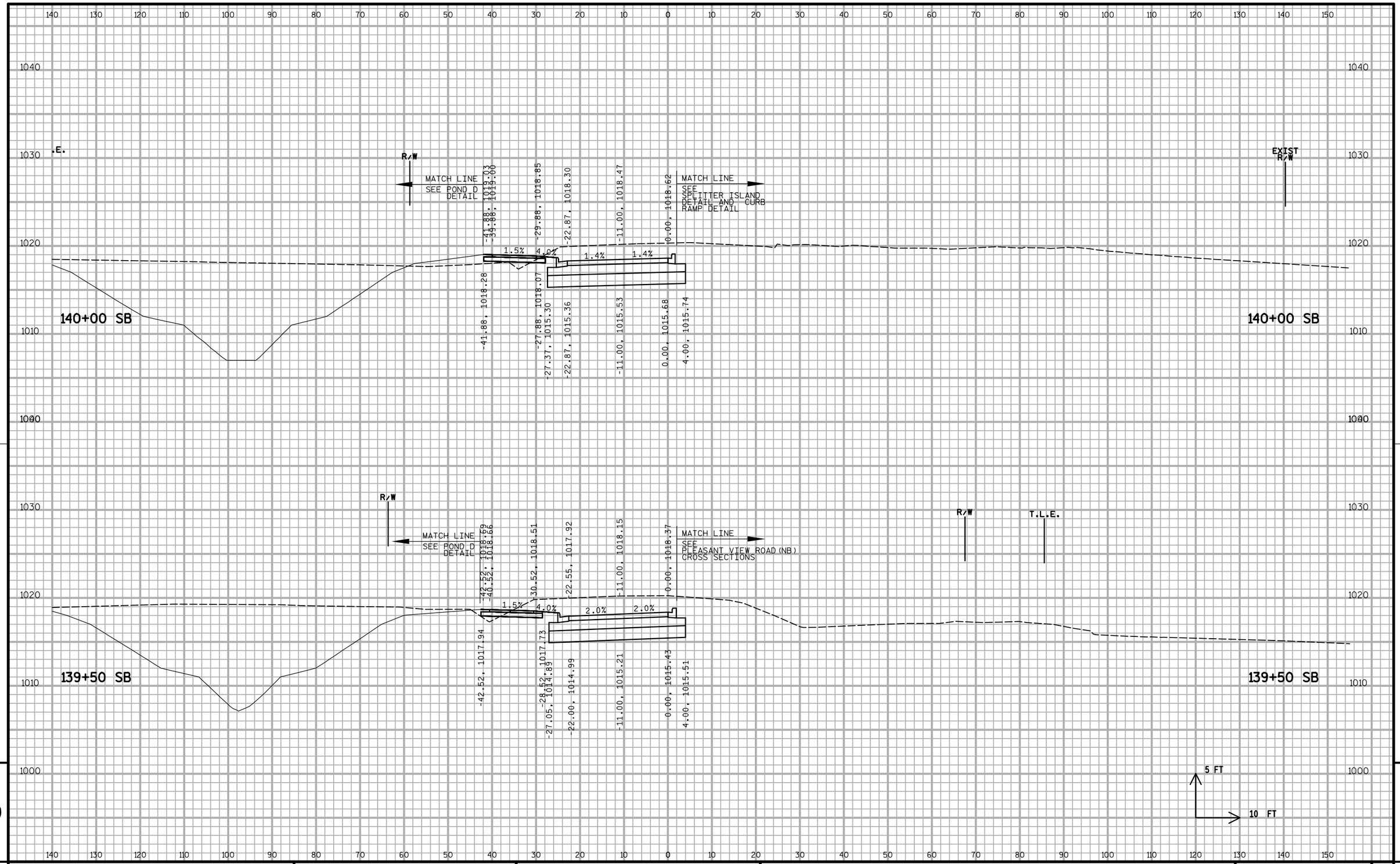


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1036	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201b_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

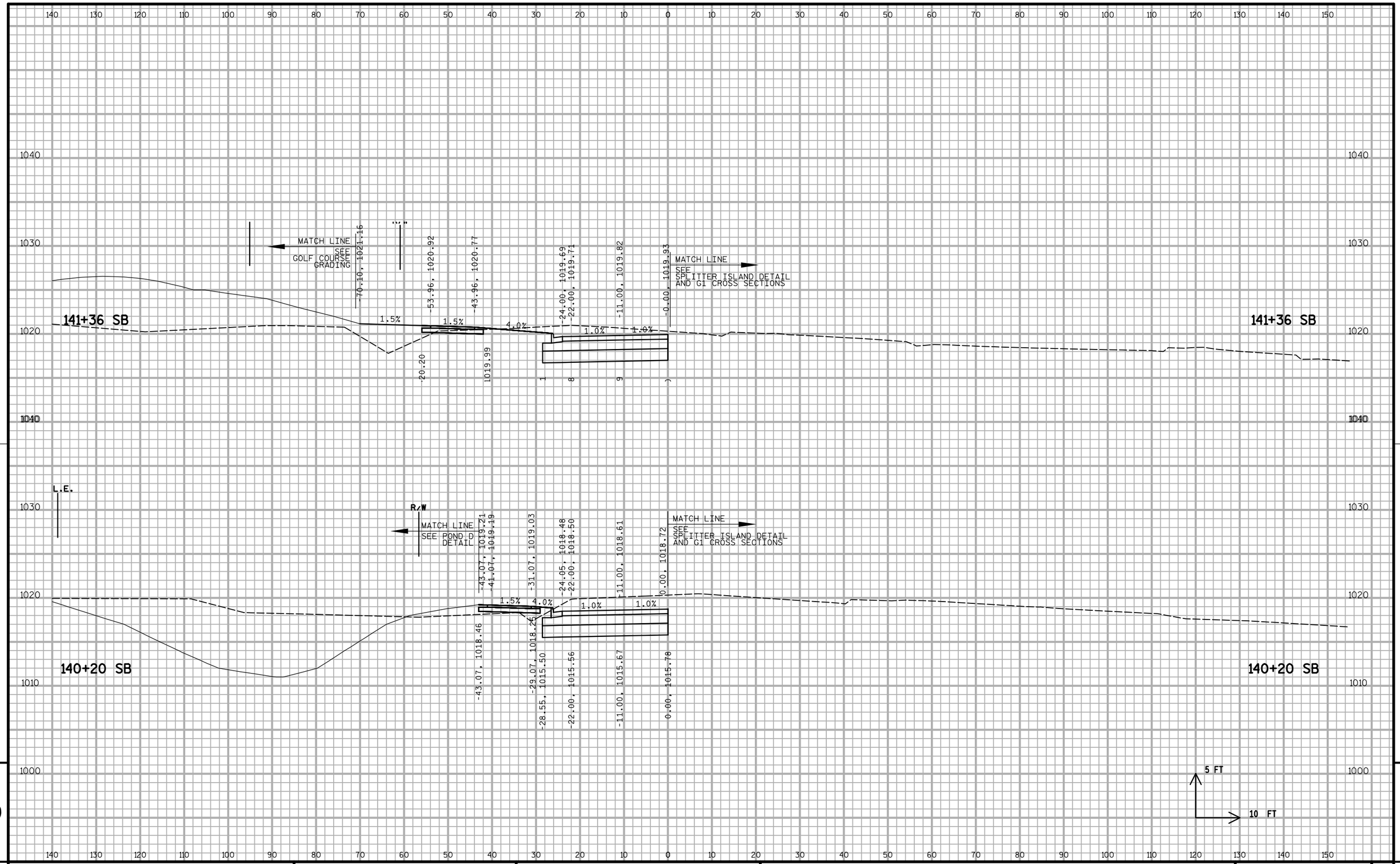


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1037	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201b_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

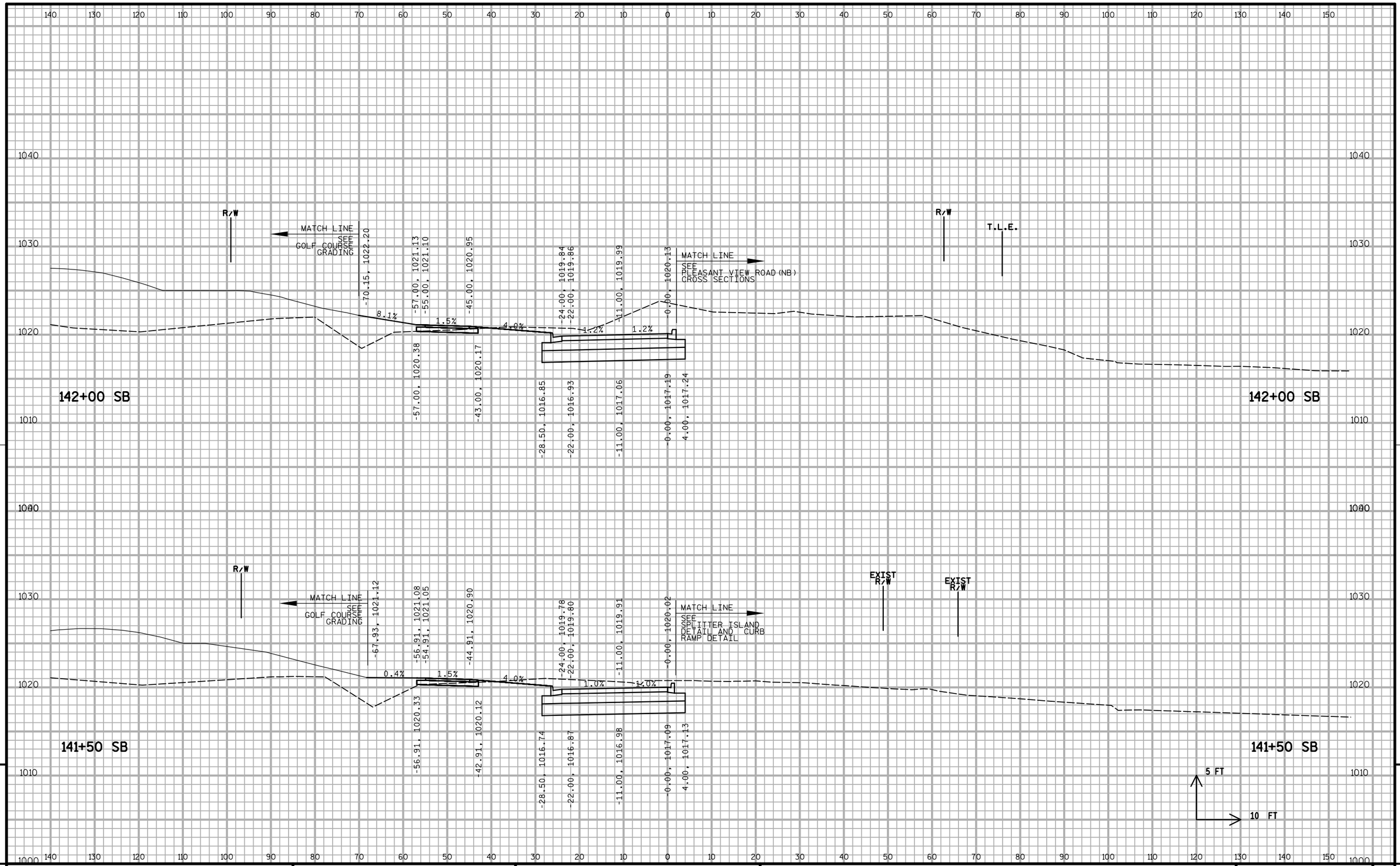


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1038	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201b_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

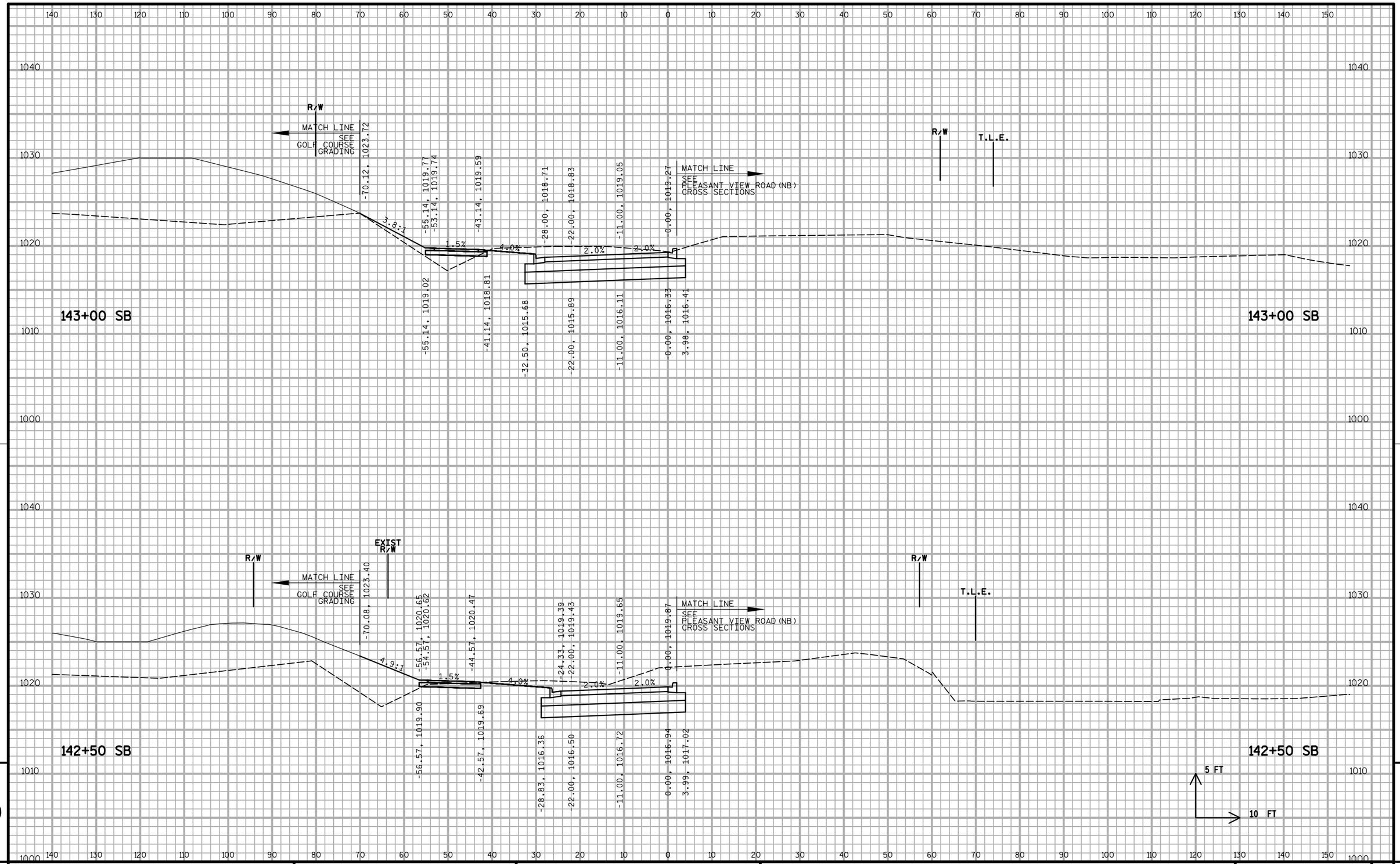


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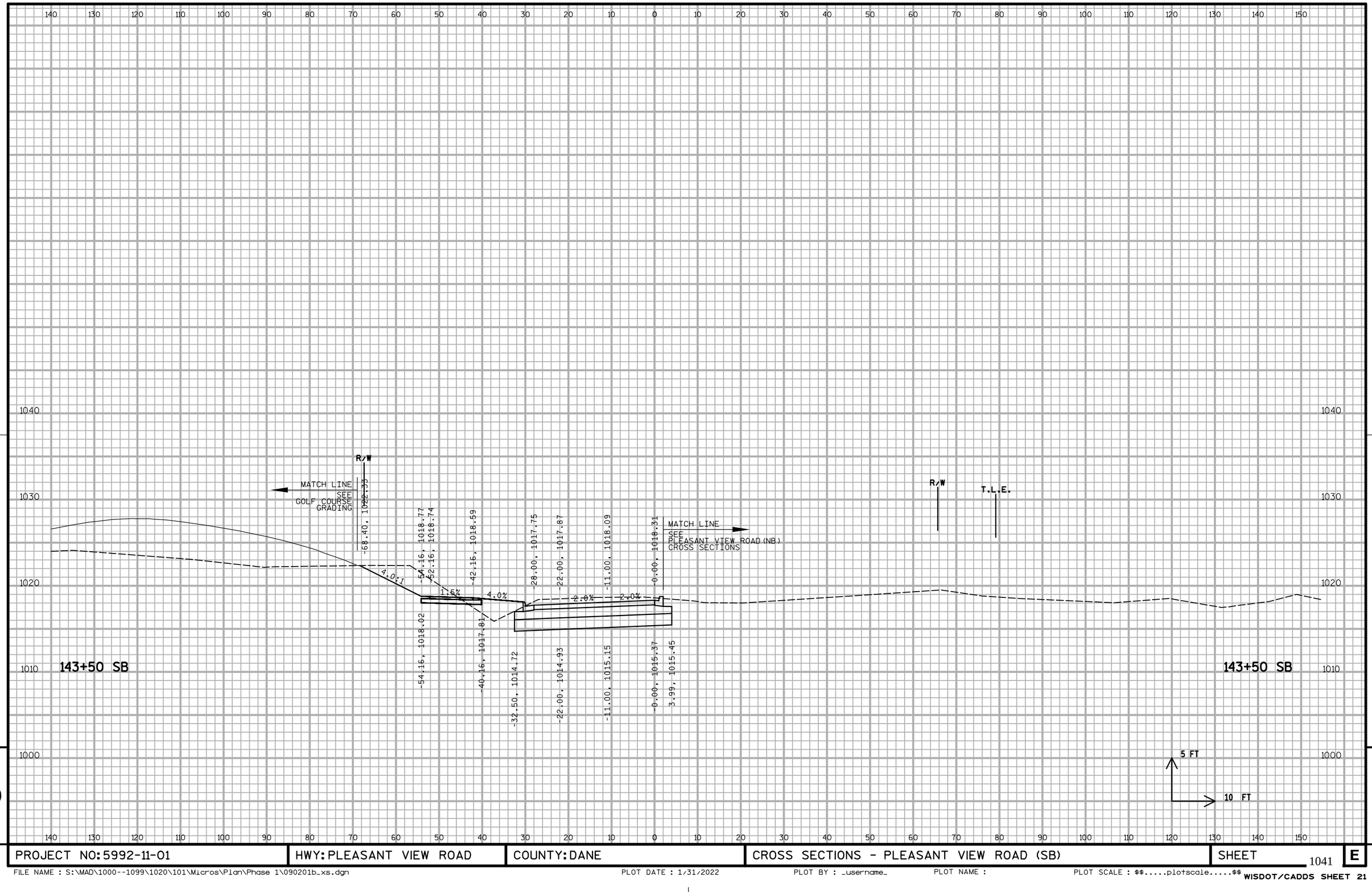
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1039	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201b_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

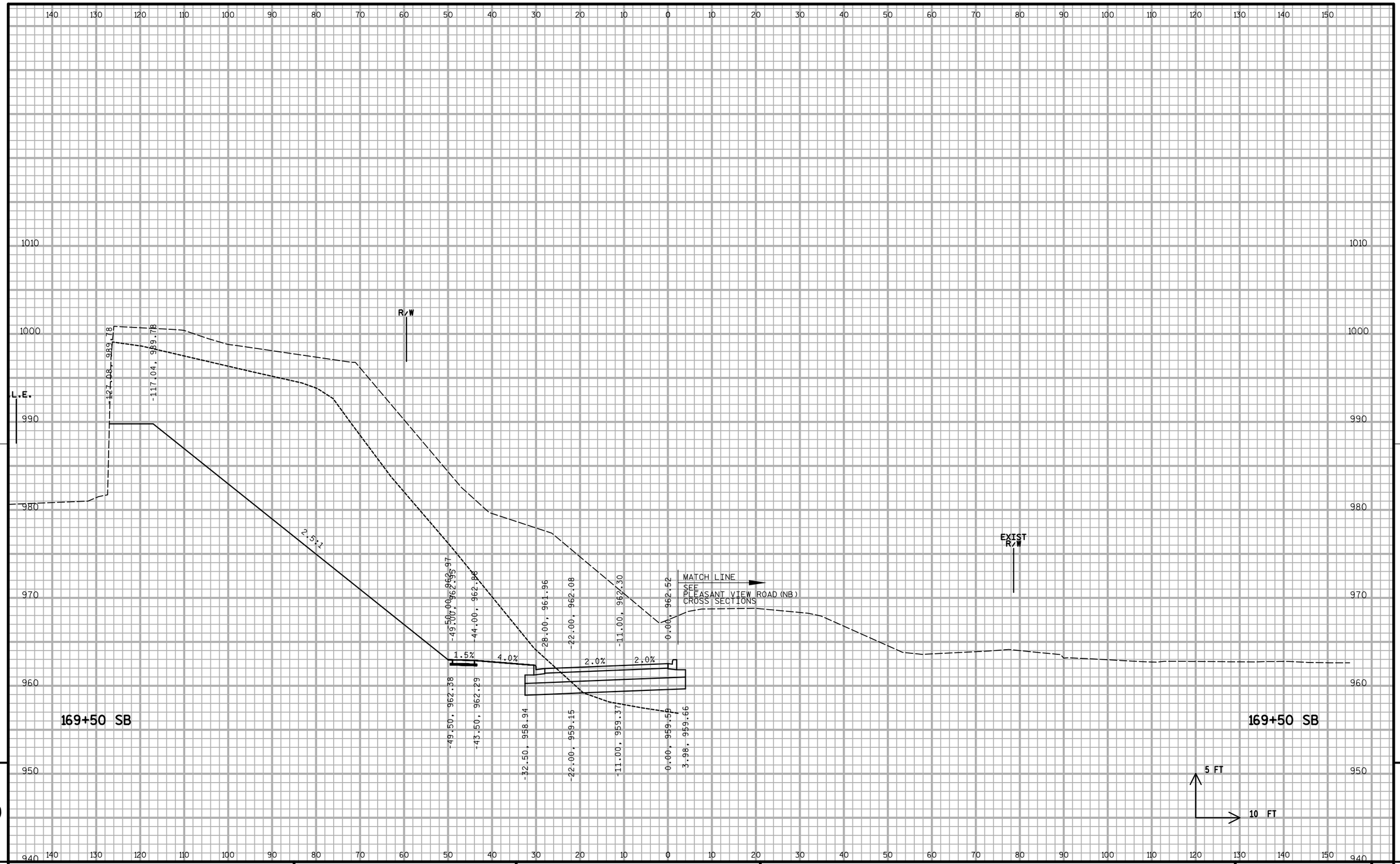


PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1040 E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201b_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



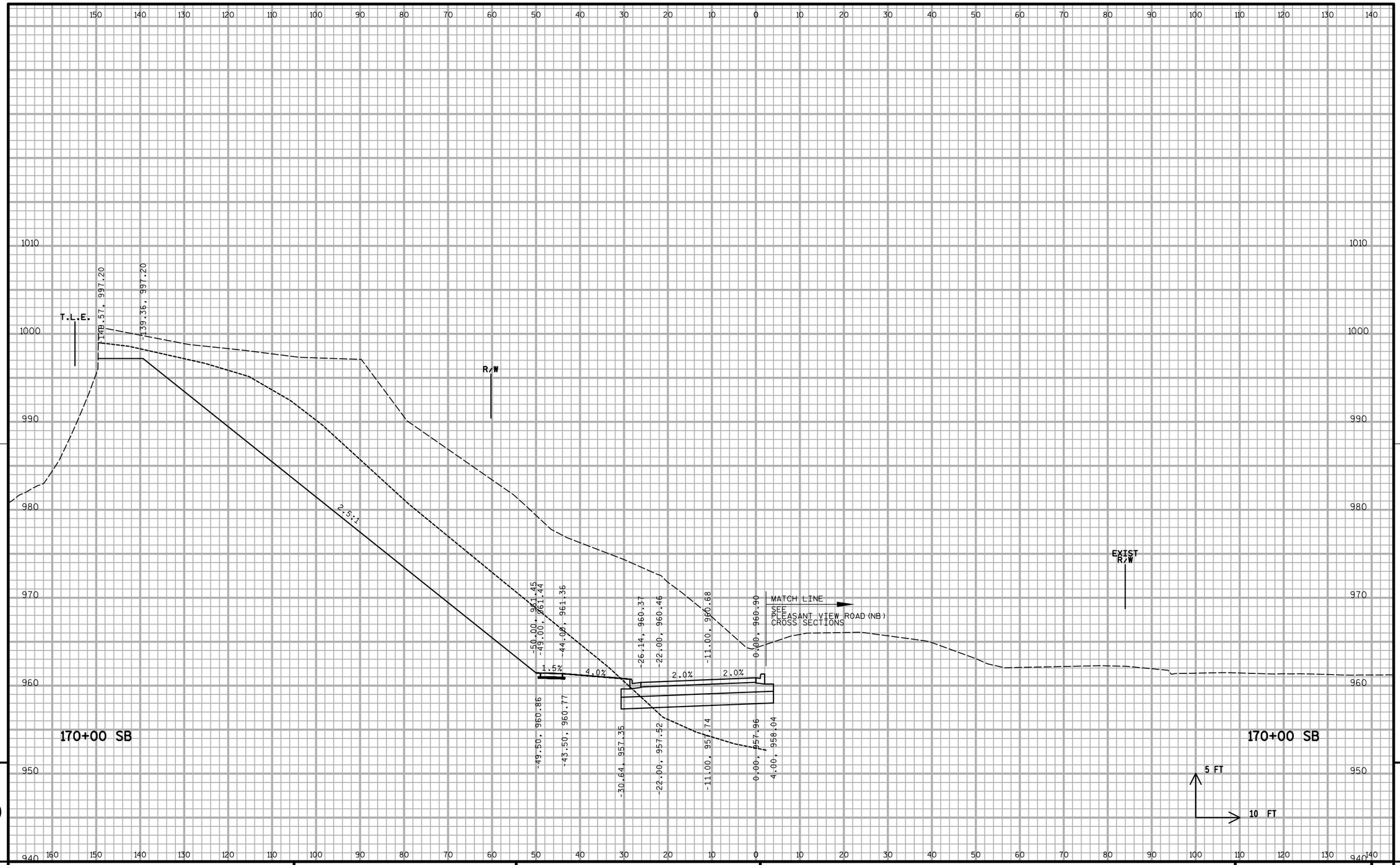
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1041	E



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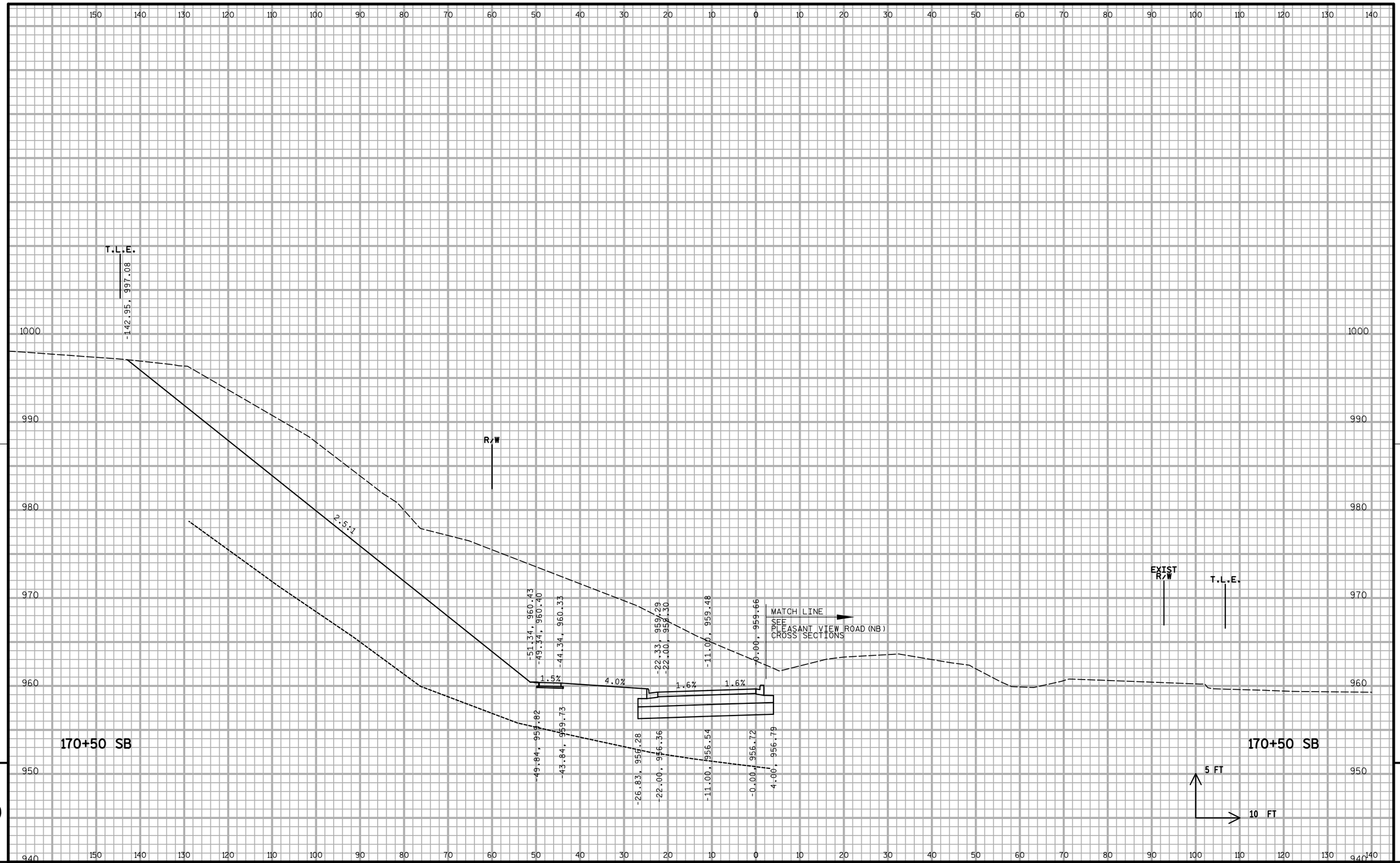
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1042	E



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1043	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201b_xs.dgn PLOT DATE : 3/8/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

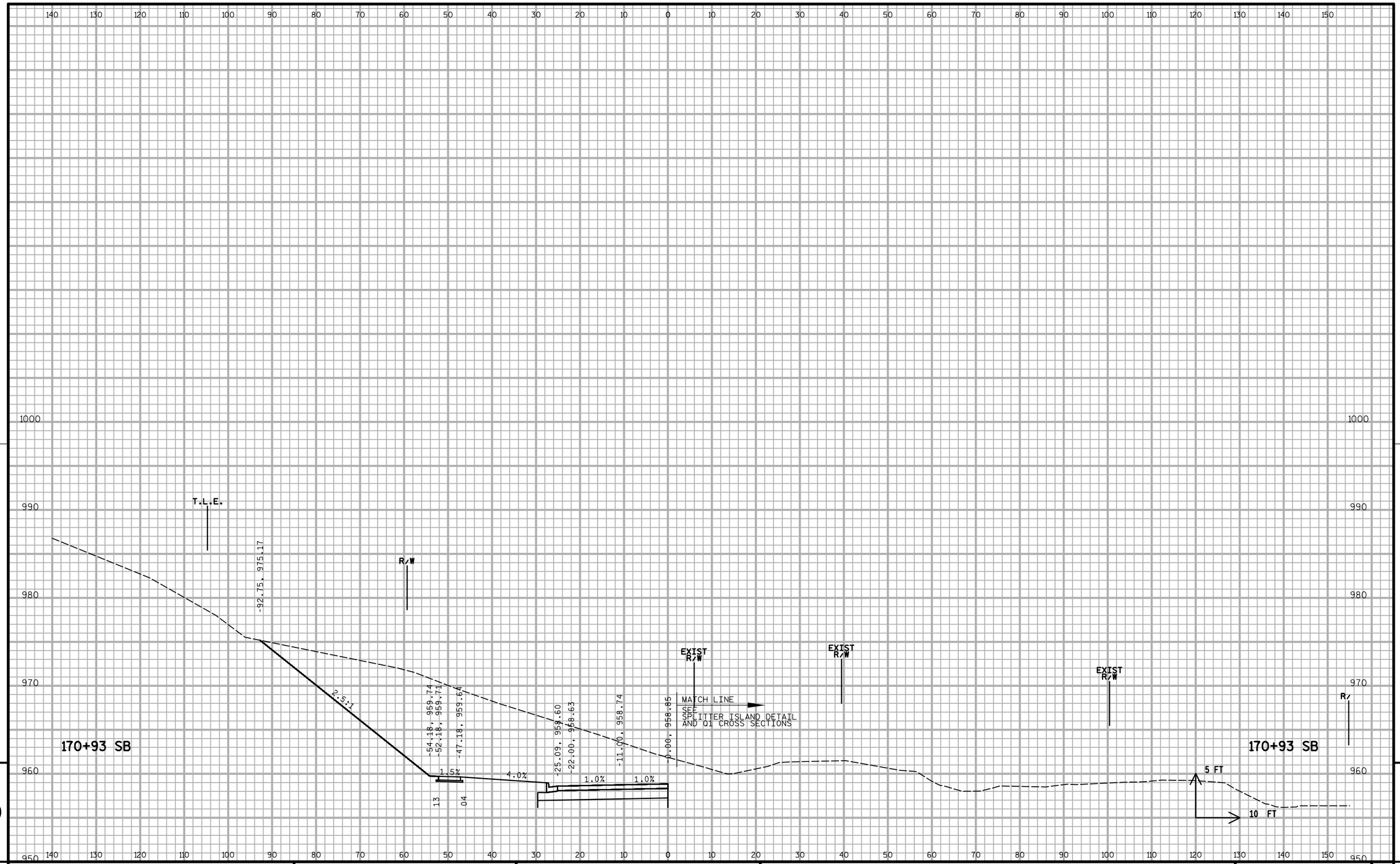


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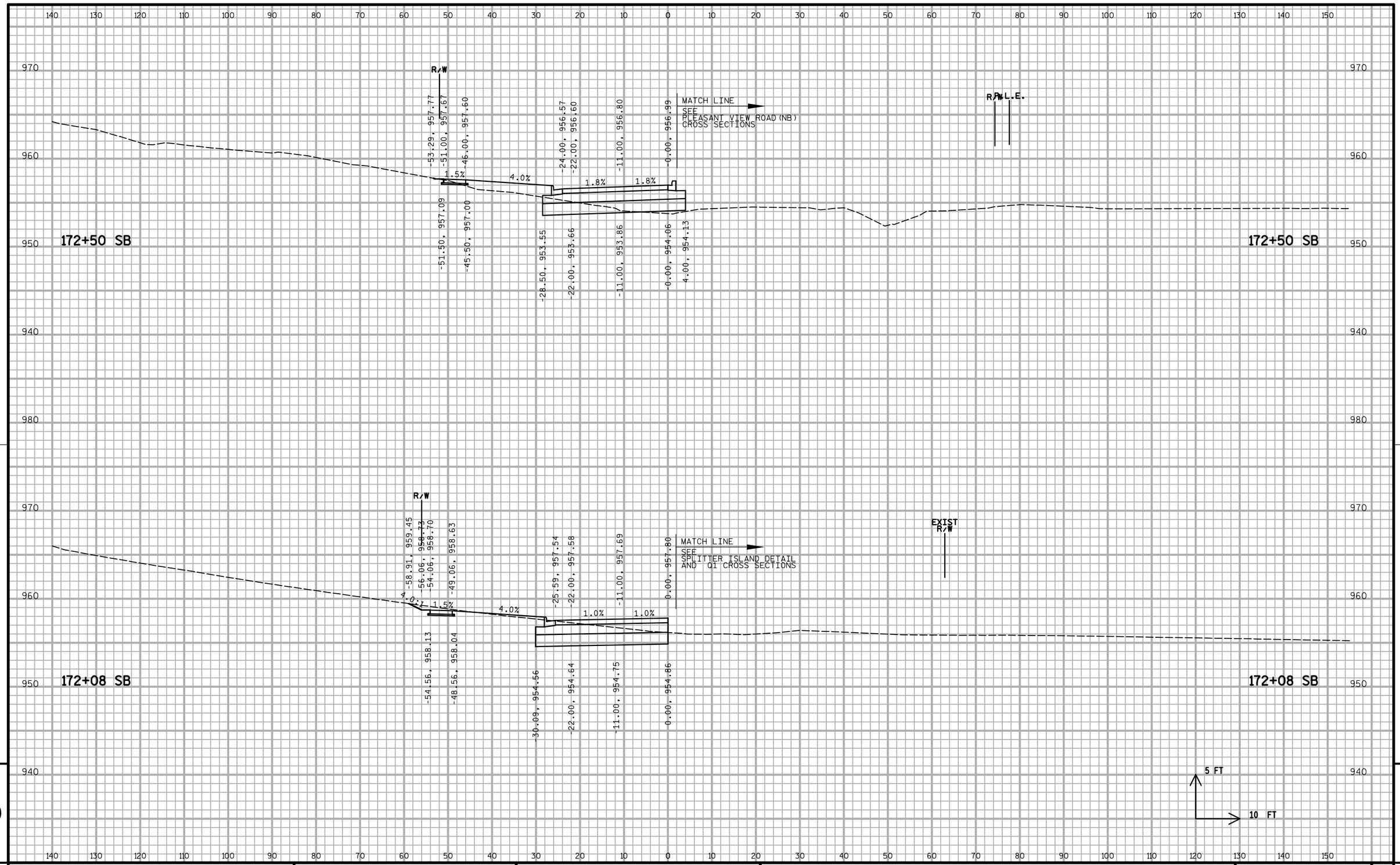
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1044	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201b_xs.dgn PLOT DATE : 7/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



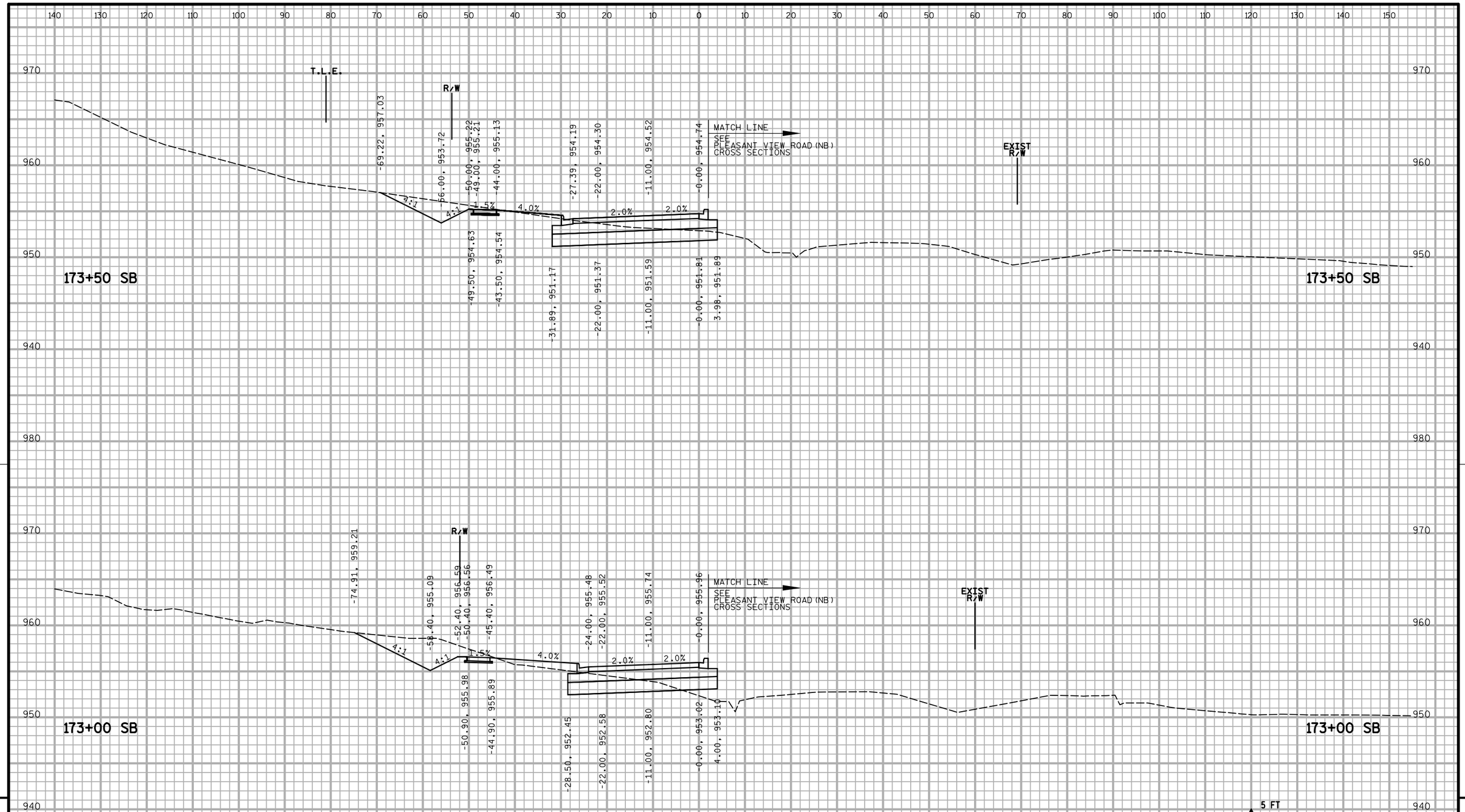
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1045 E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201b_xs.dgn PLOT DATE : 7/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



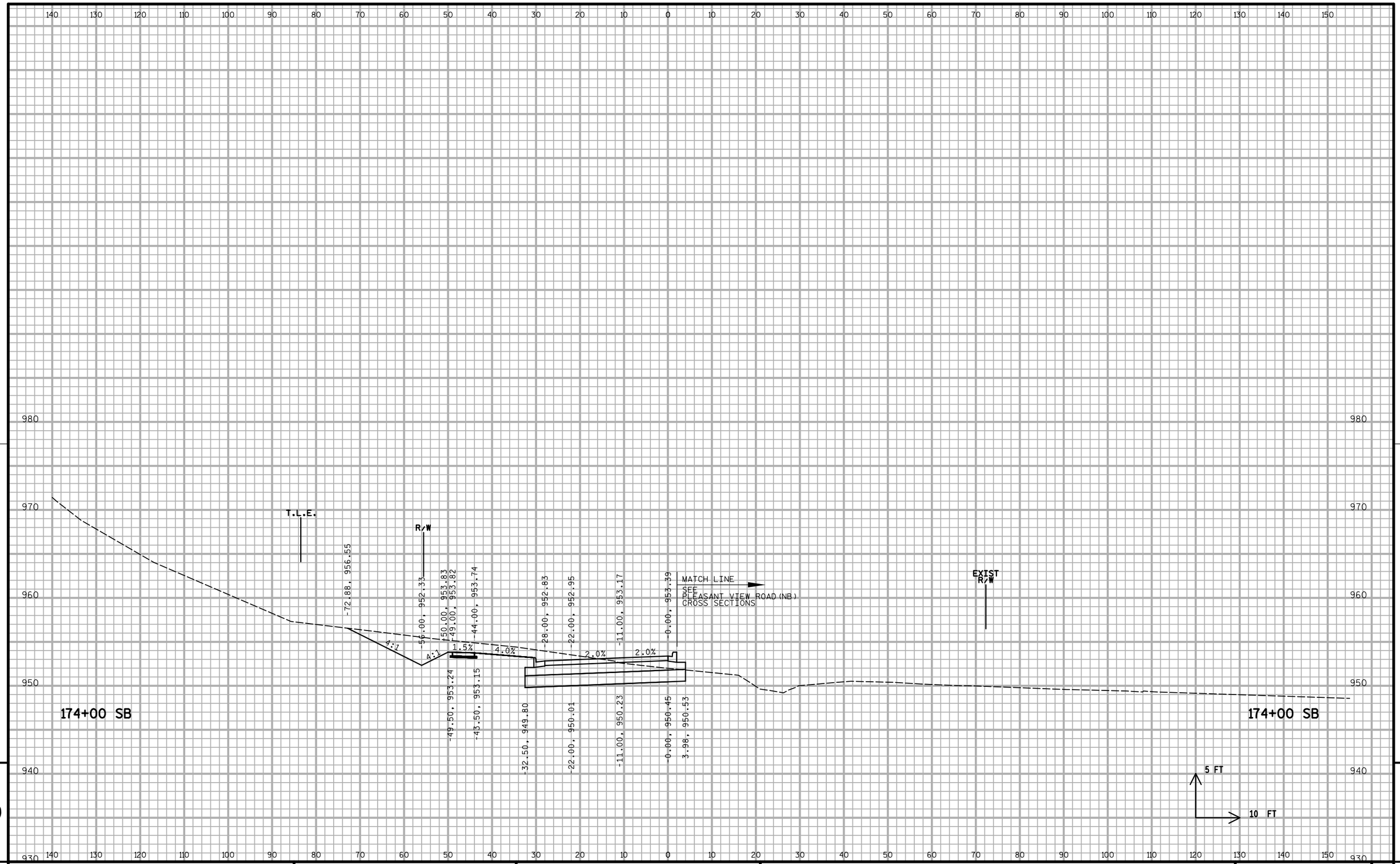
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1046	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201b_xs.dgn PLOT DATE : 7/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



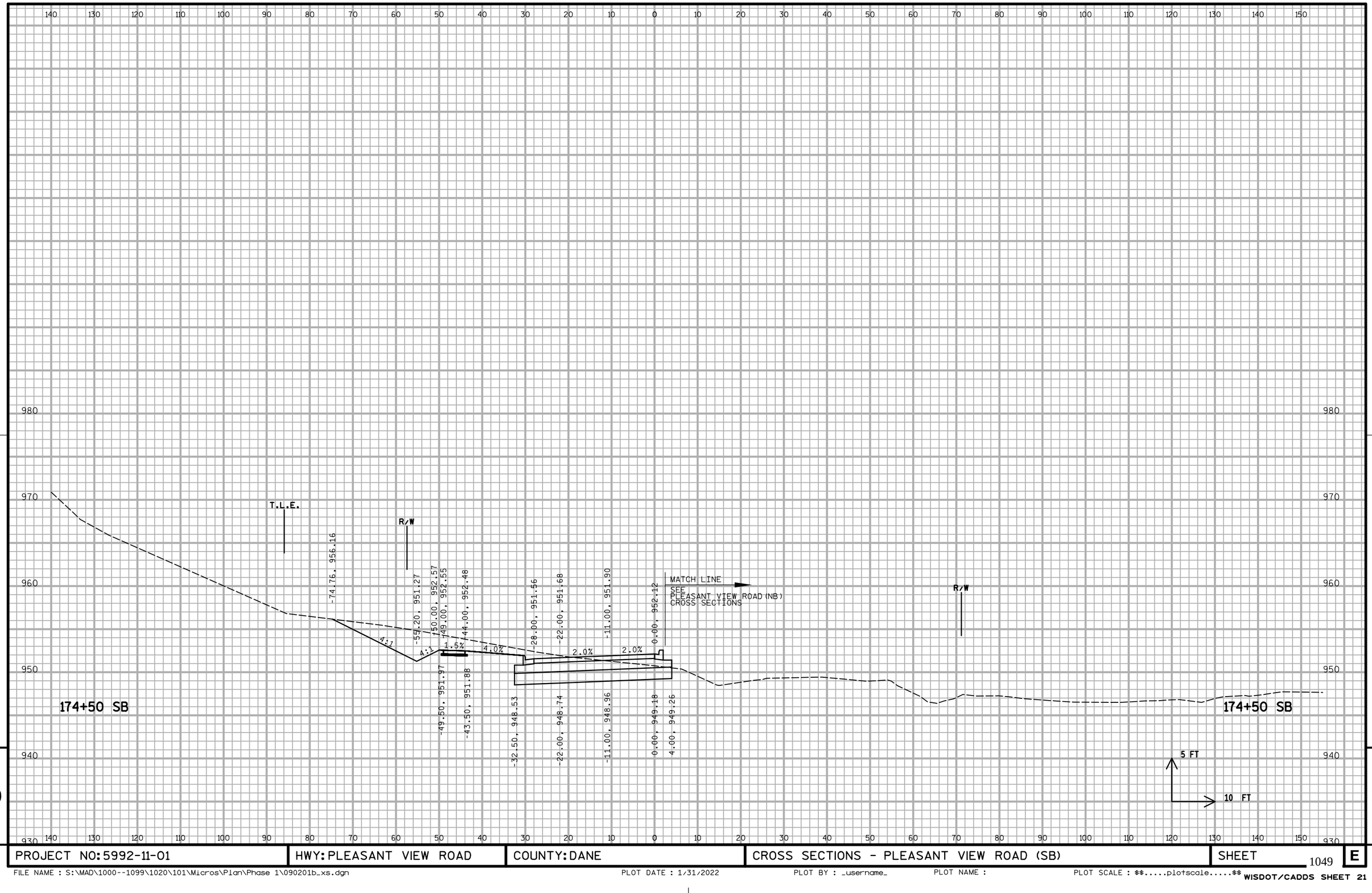
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1047	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201b_xs.dgn PLOT DATE : 7/25/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



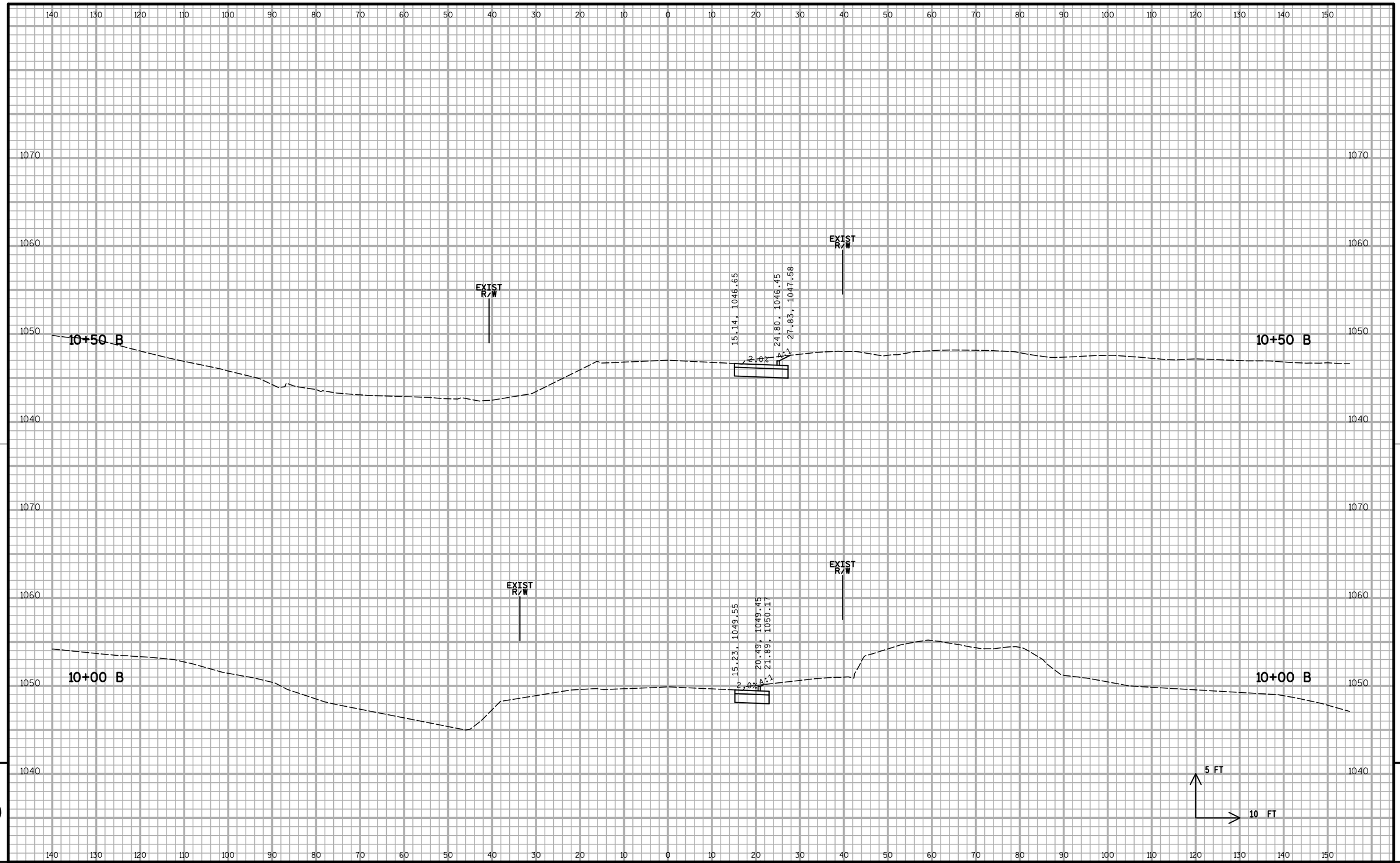
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1048	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201b_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - PLEASANT VIEW ROAD (SB)	SHEET 1049	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090201b_xs.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



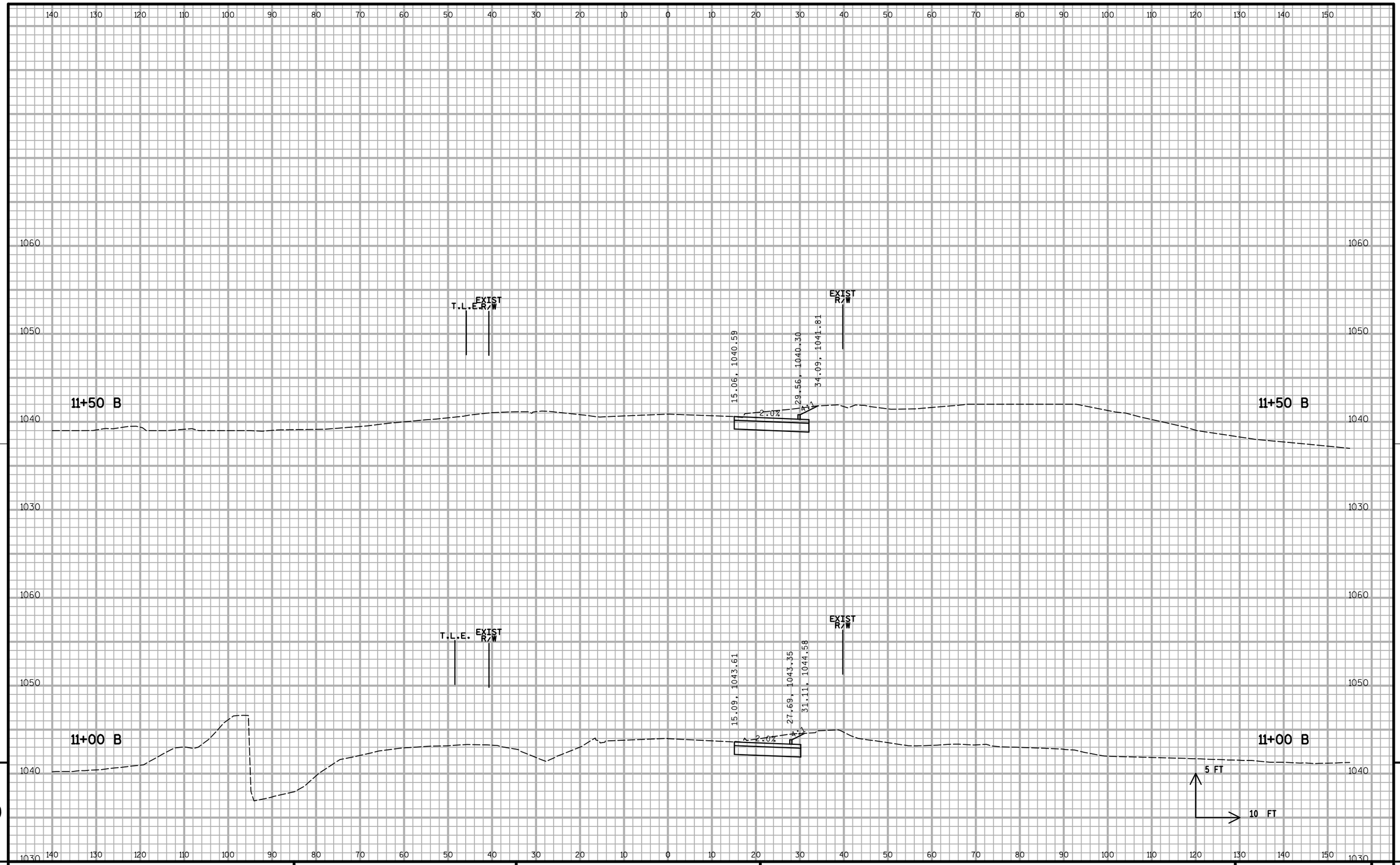
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BLACKHAWK ROAD (B) - STAGE 2 TEMPORARY	SHEET 1050	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090202_xs_bhk_S2.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

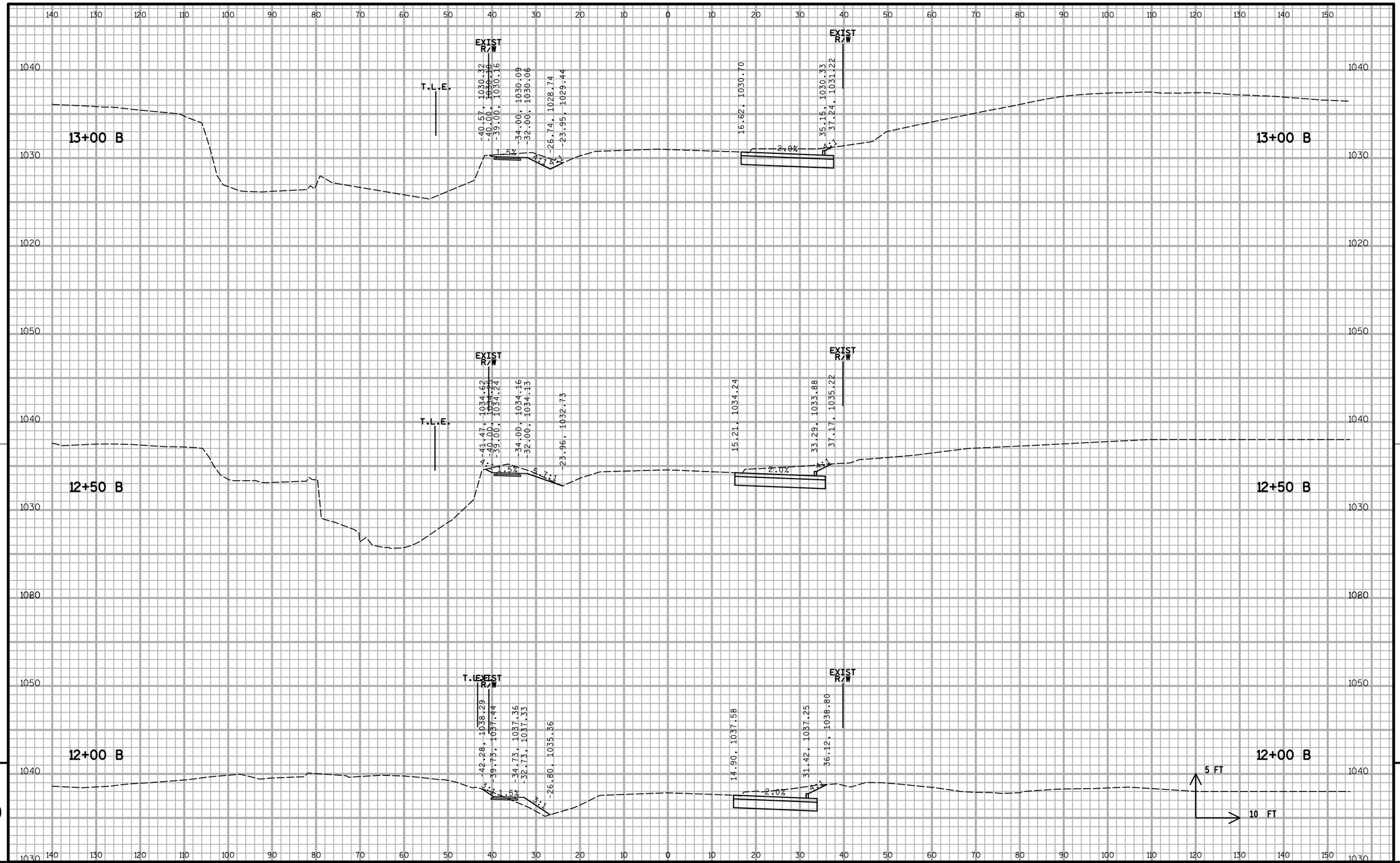
WISDOT/CADDS SHEET 21



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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BLACKHAWK ROAD (B) - STAGE 2 TEMPORARY	SHEET 1051	E

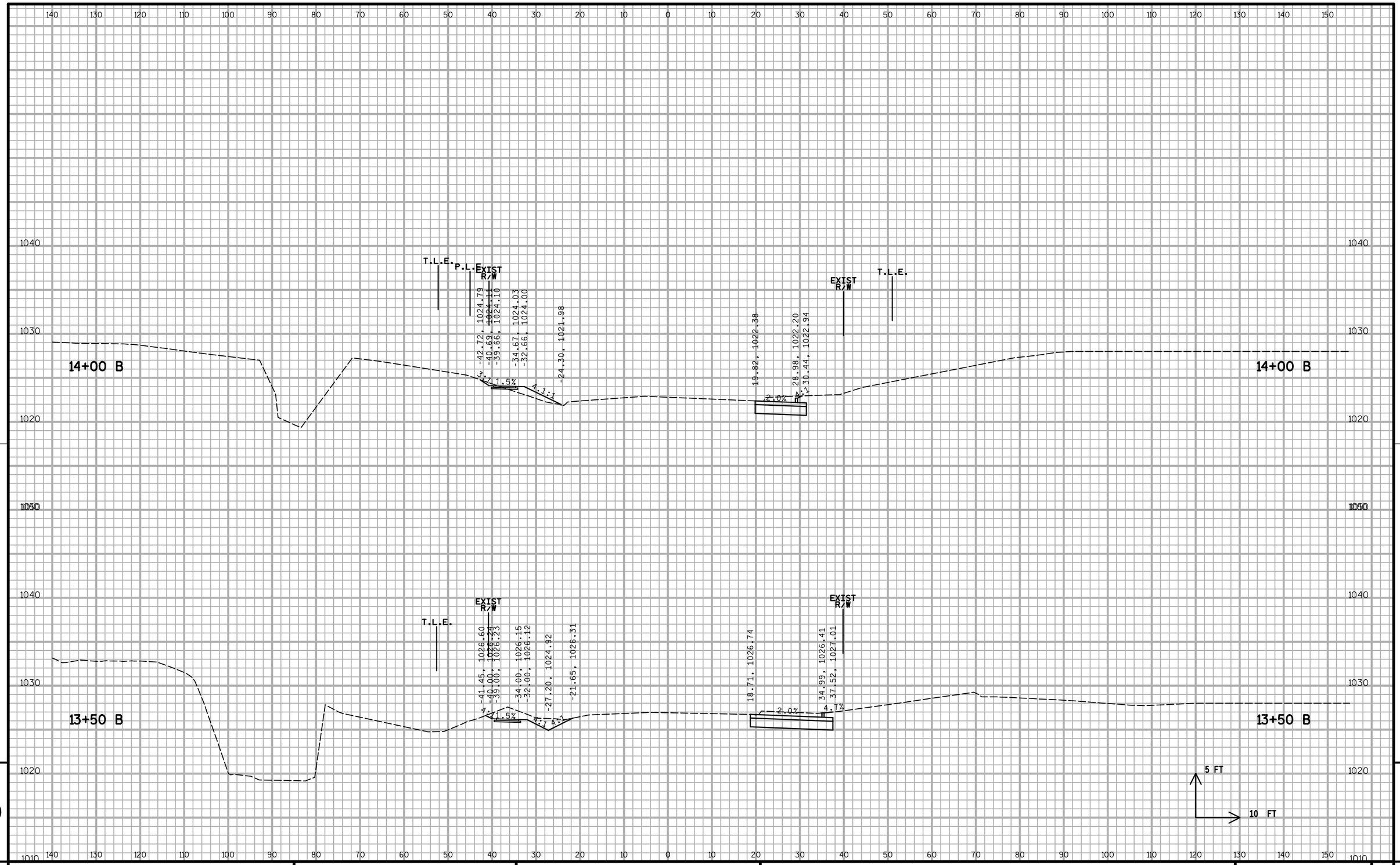
FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090202_xs_bhk_S2.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BLACKHAWK ROAD (B) - STAGE 2 TEMPORARY	SHEET 1052 E

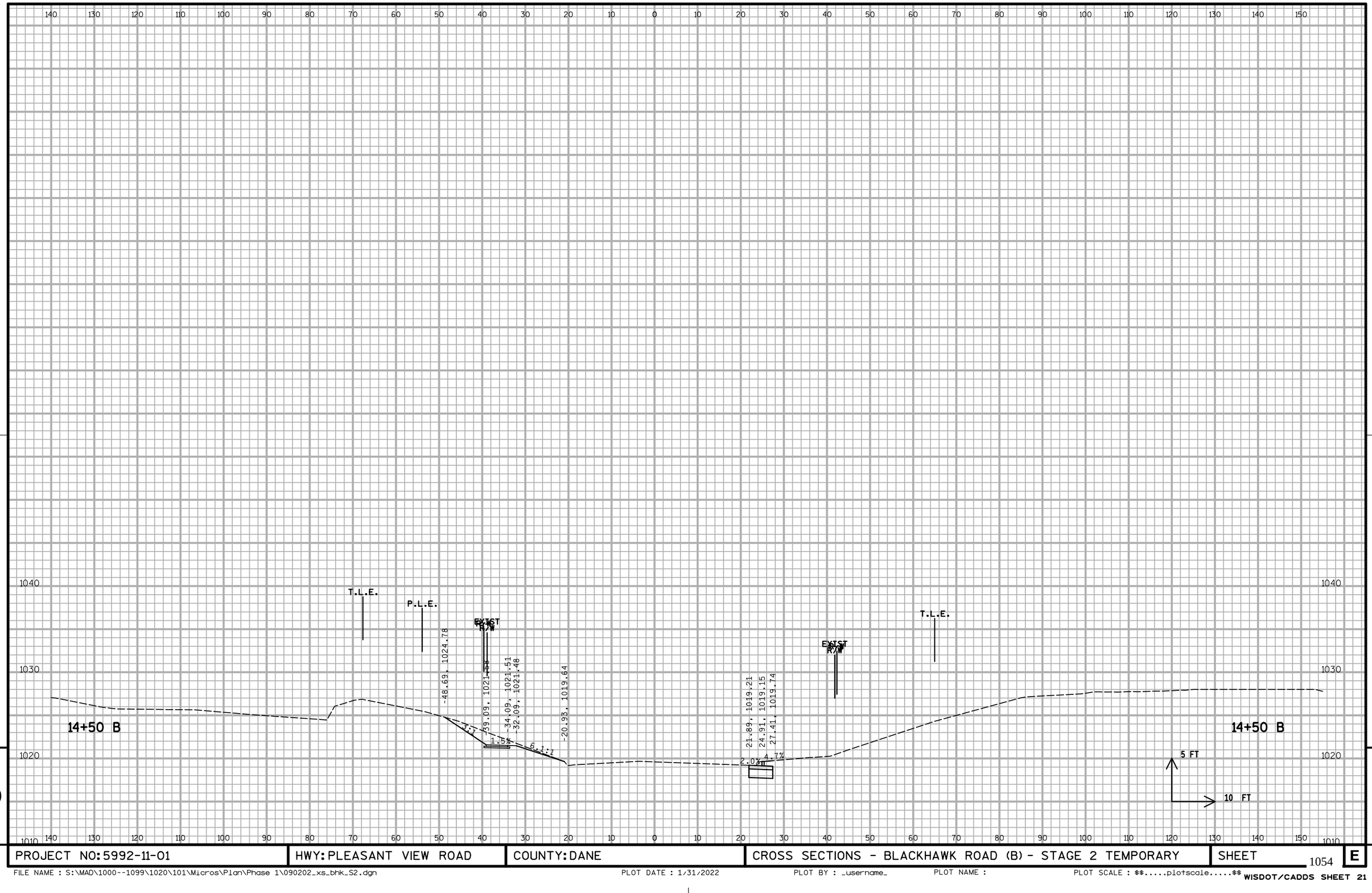
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WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BLACKHAWK ROAD (B) - STAGE 2 TEMPORARY	SHEET 1053	E

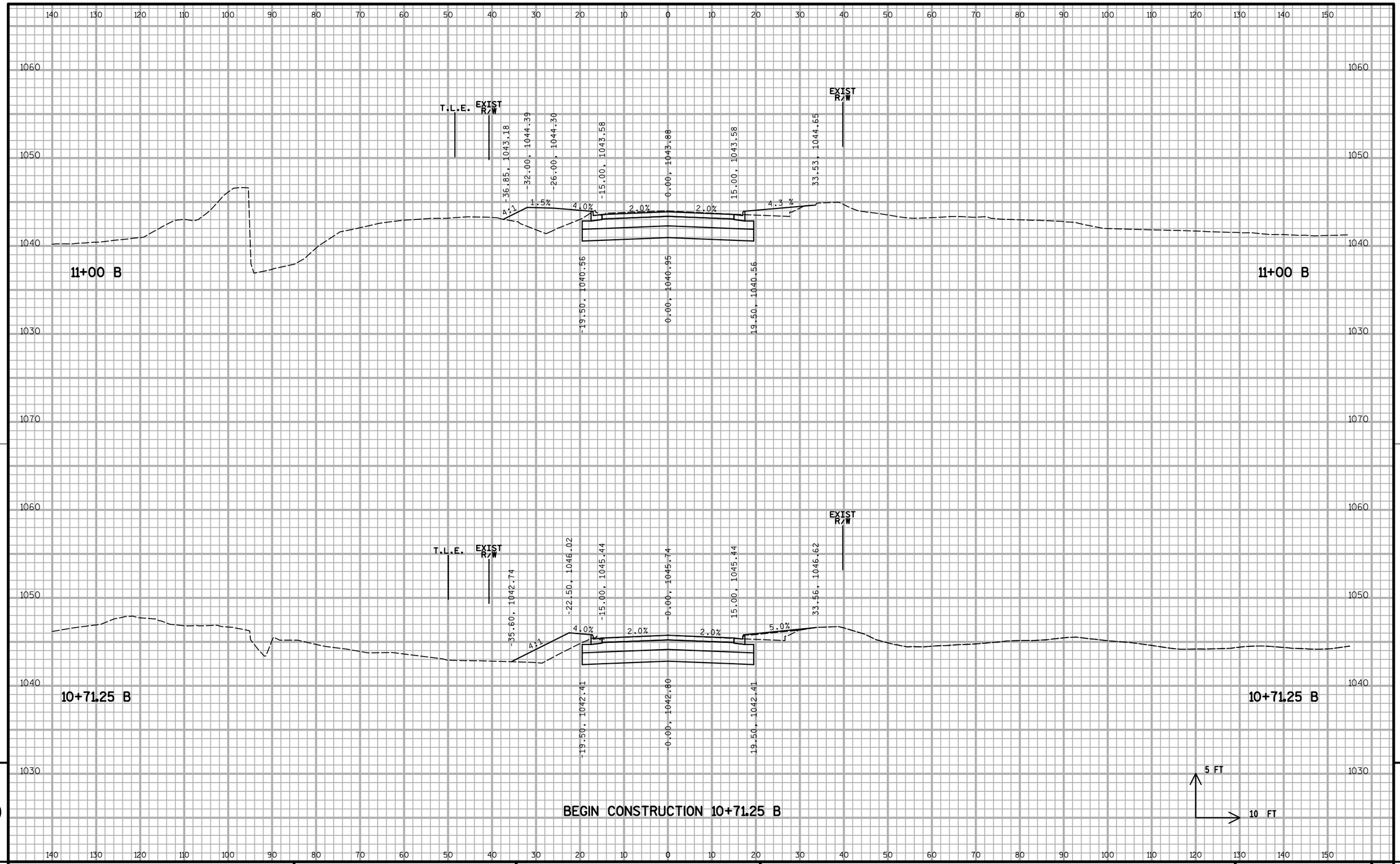
FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090202_xs_bhk_S2.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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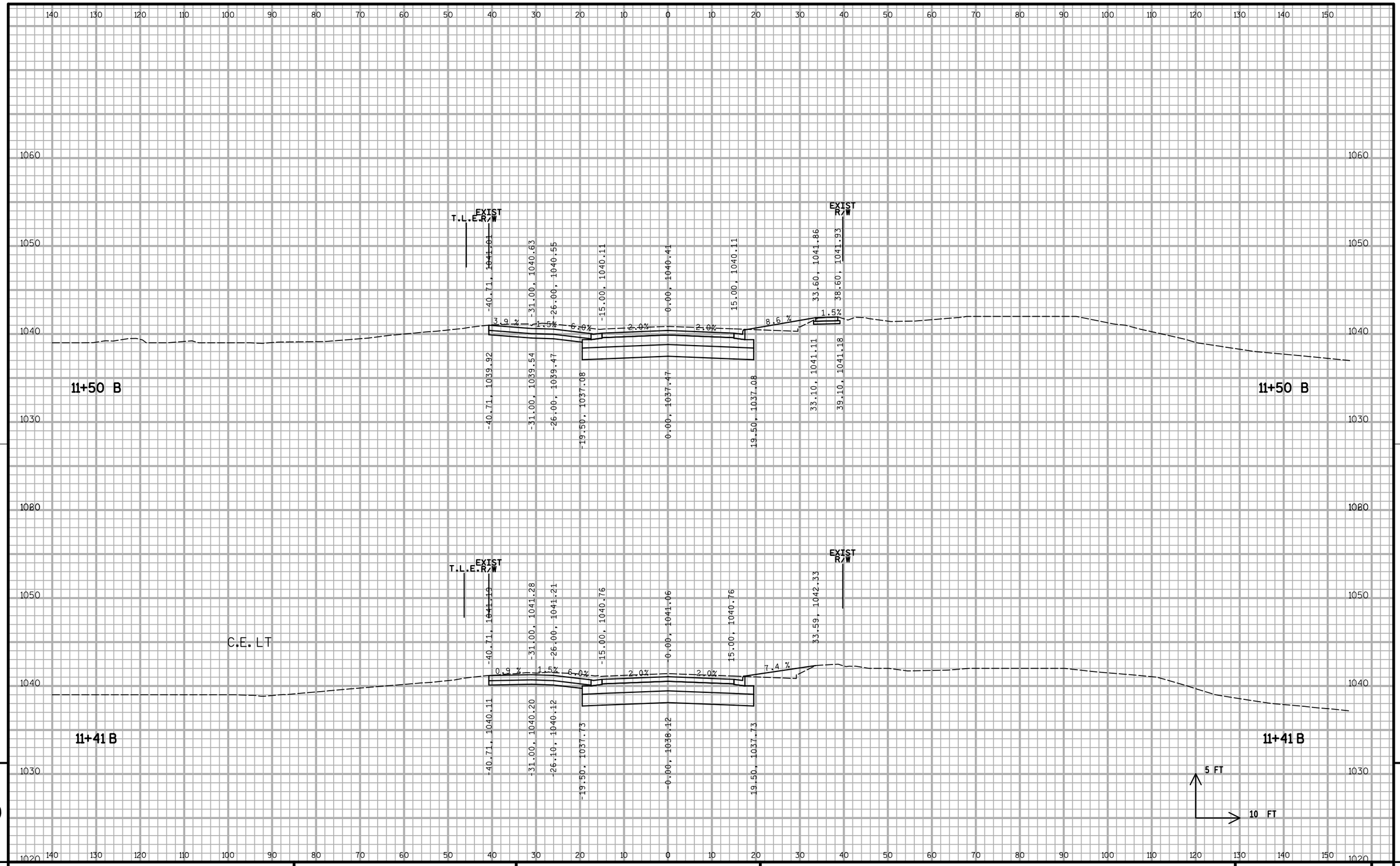
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BLACKHAWK ROAD (B) - STAGE 2 TEMPORARY	SHEET 1054	E



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BLACKHAWK ROAD (B)	SHEET 1055	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090202_xs_bhk.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



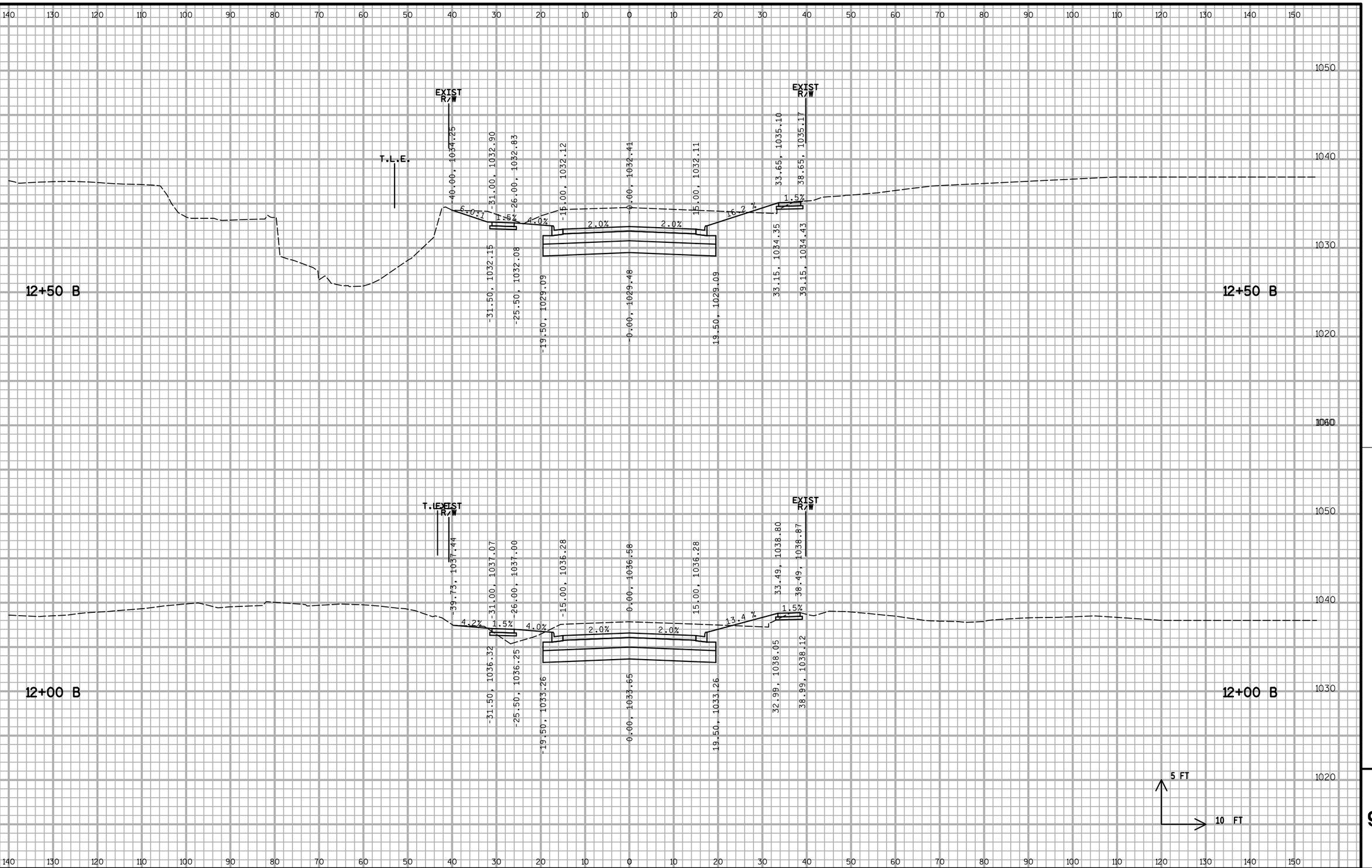
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BLACKHAWK ROAD (B)	SHEET 1056	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090202_xs_bhk.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



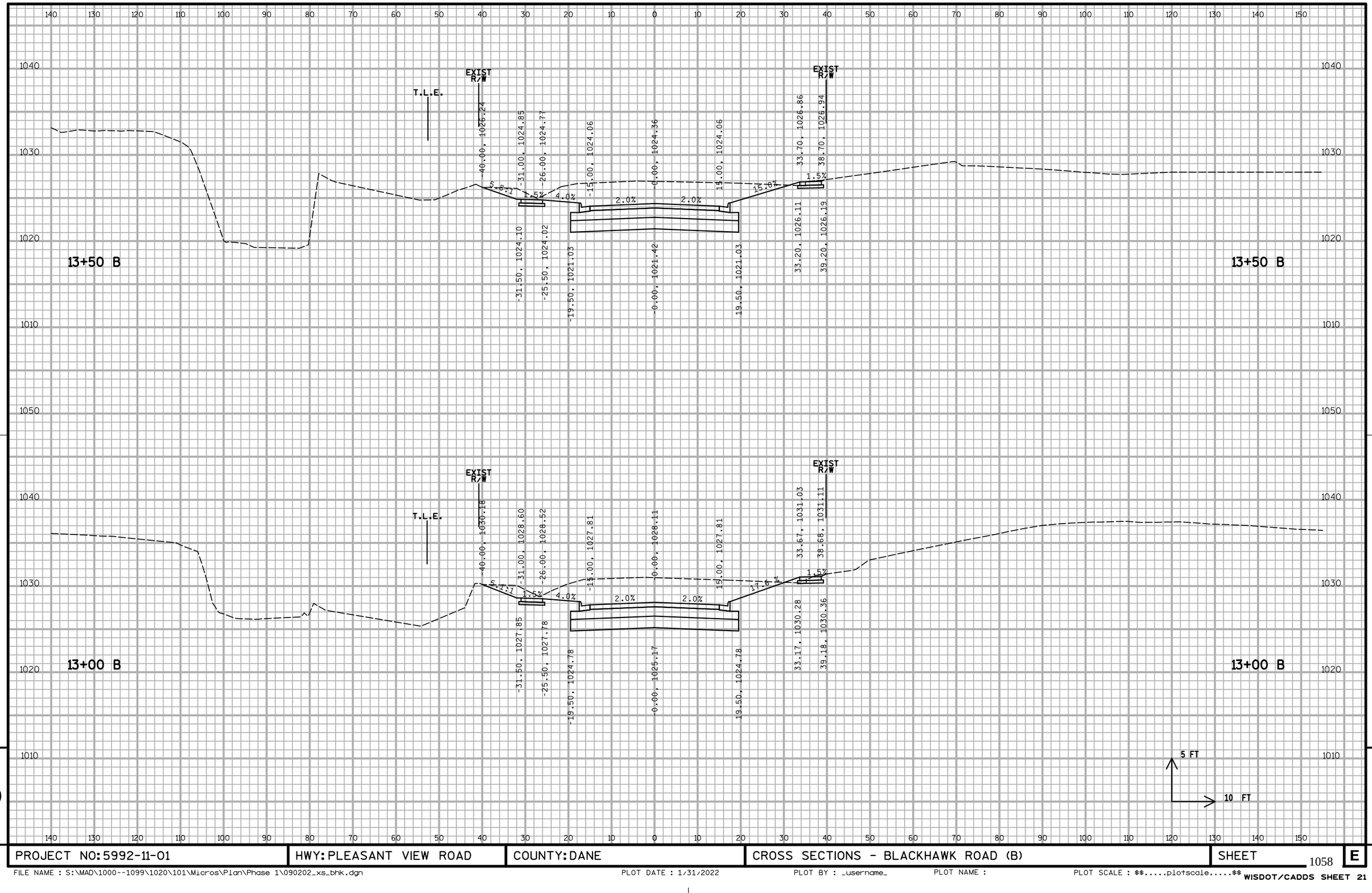
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BLACKHAWK ROAD (B)	SHEET 1057	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090202_xs_bhk.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

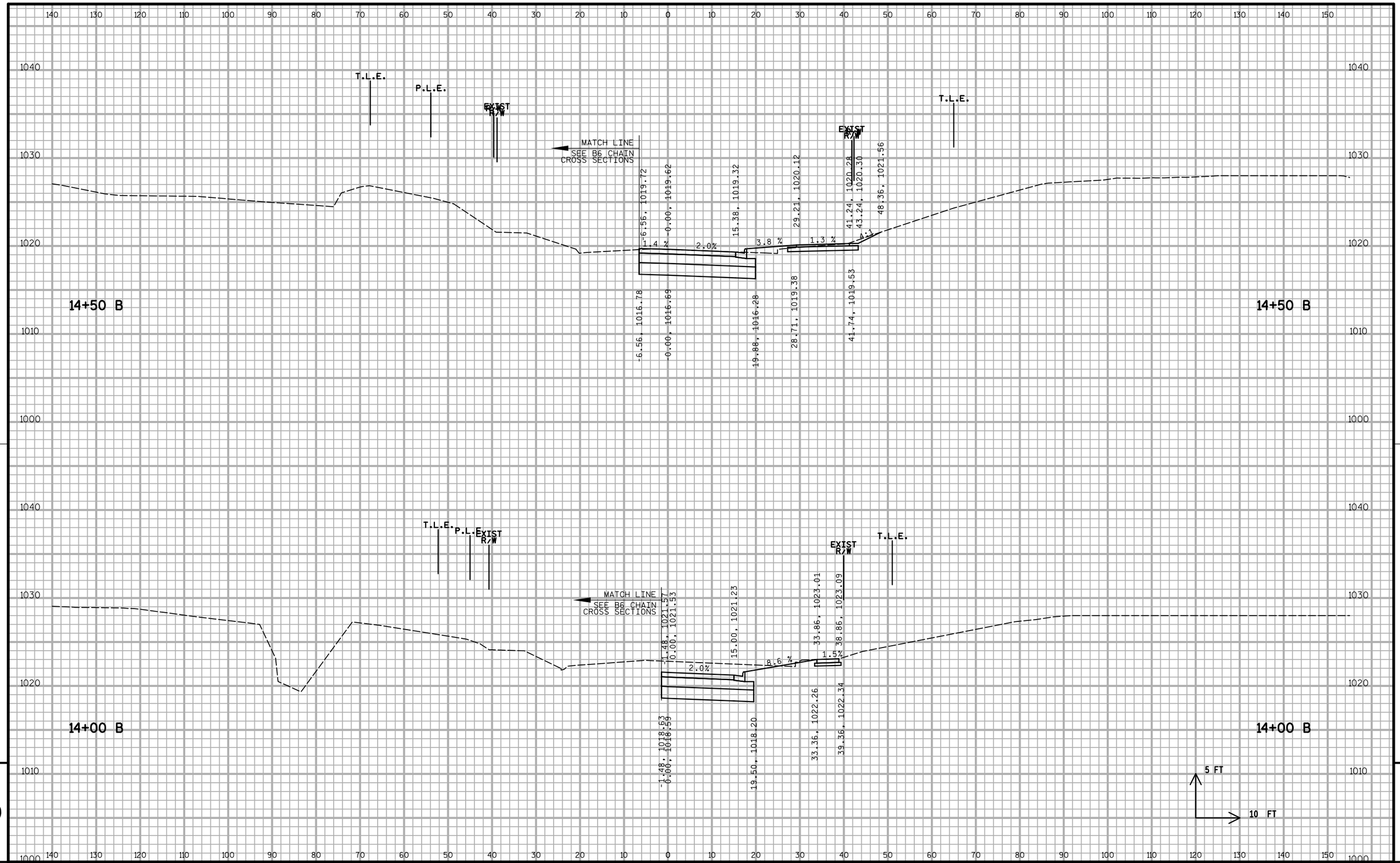


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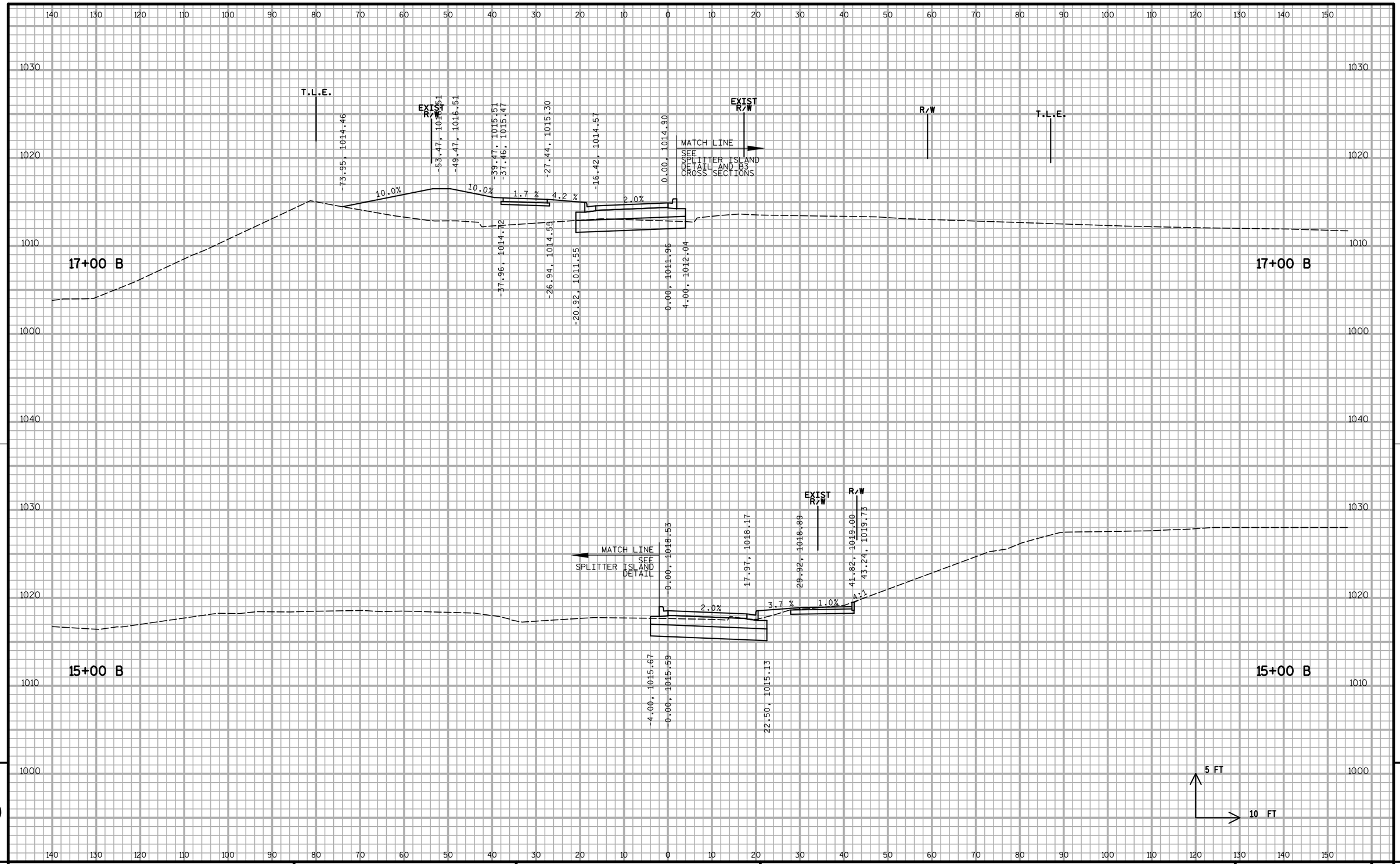
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BLACKHAWK ROAD (B)	SHEET 1058	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090202_xs_bhk.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BLACKHAWK ROAD (B)	SHEET 1059 E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090202_xs_bhk.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



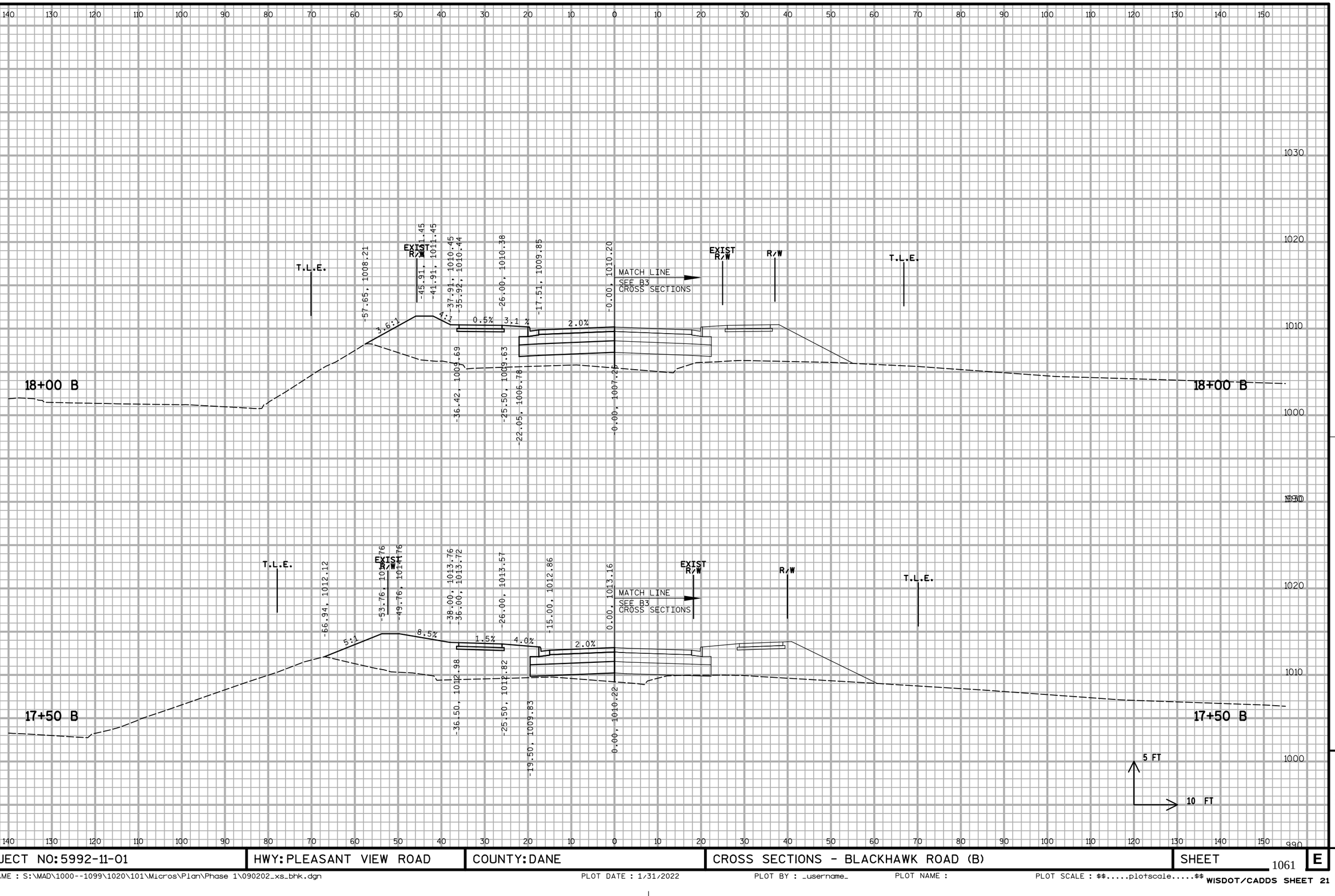
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BLACKHAWK ROAD (B)	SHEET 1060	E

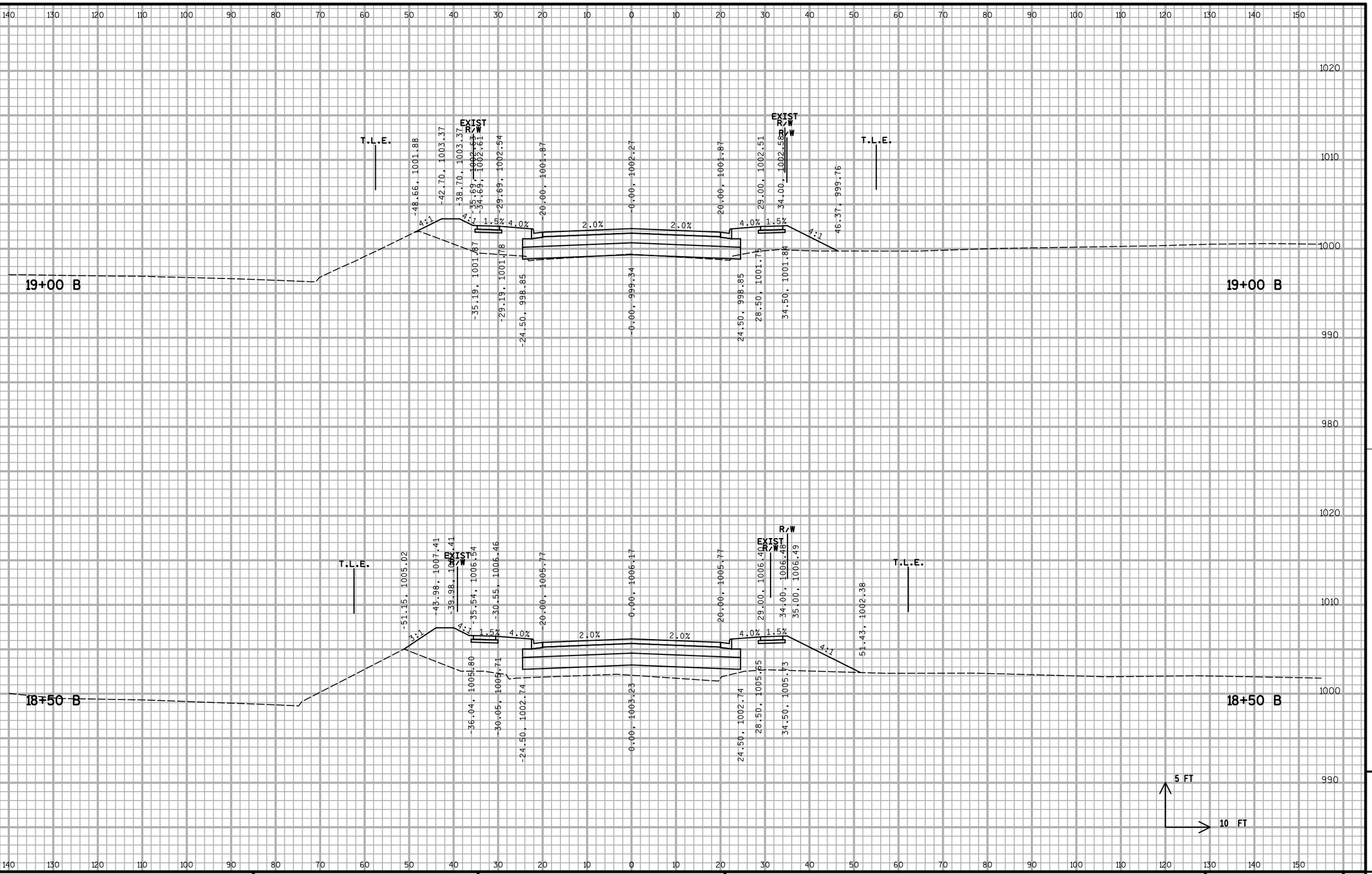
FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090202_xs_bhk.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BLACKHAWK ROAD (B)	SHEET 1061	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090202_xs_bhk.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

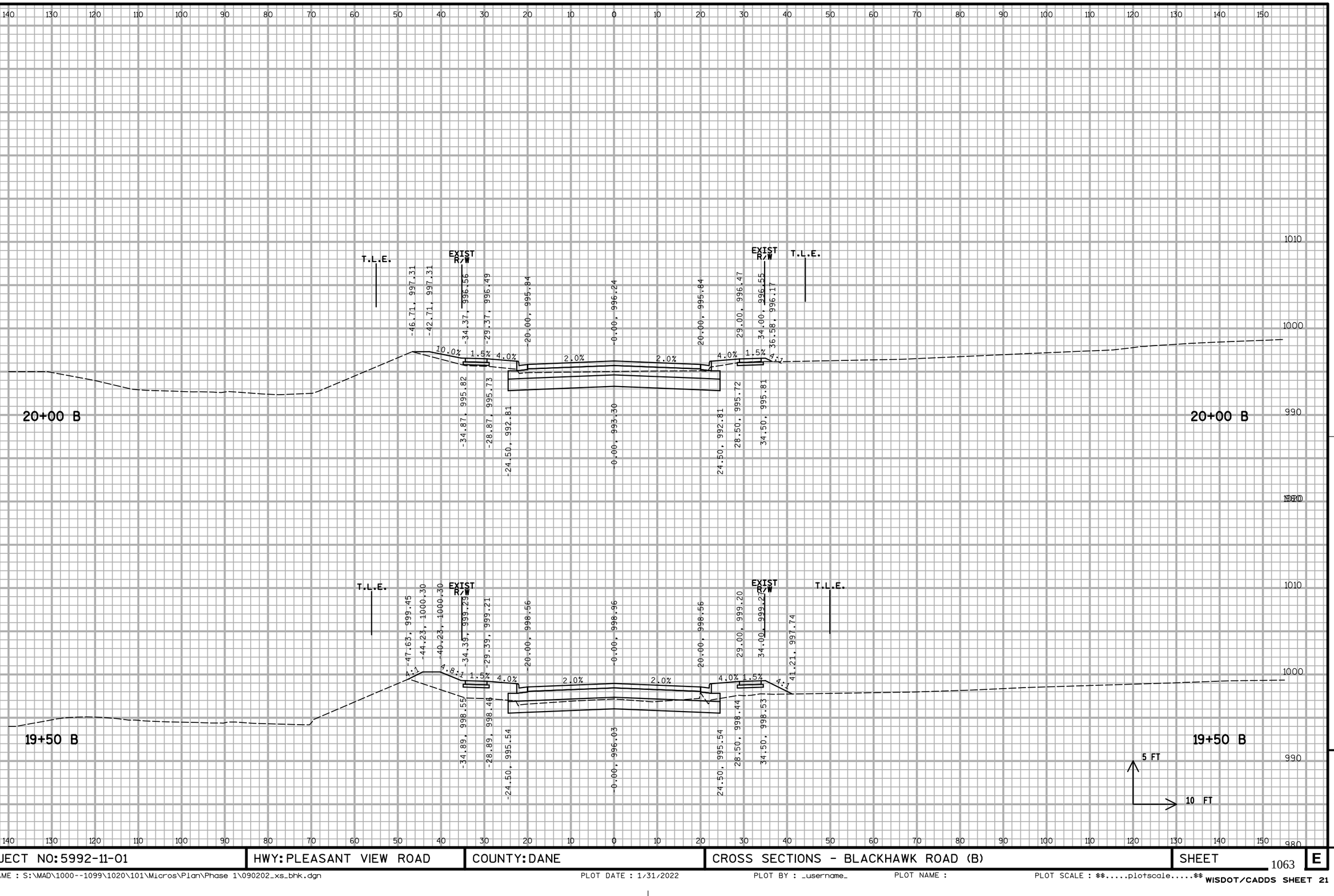


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BLACKHAWK ROAD (B)	SHEET 1062	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090202_xs_bhk.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

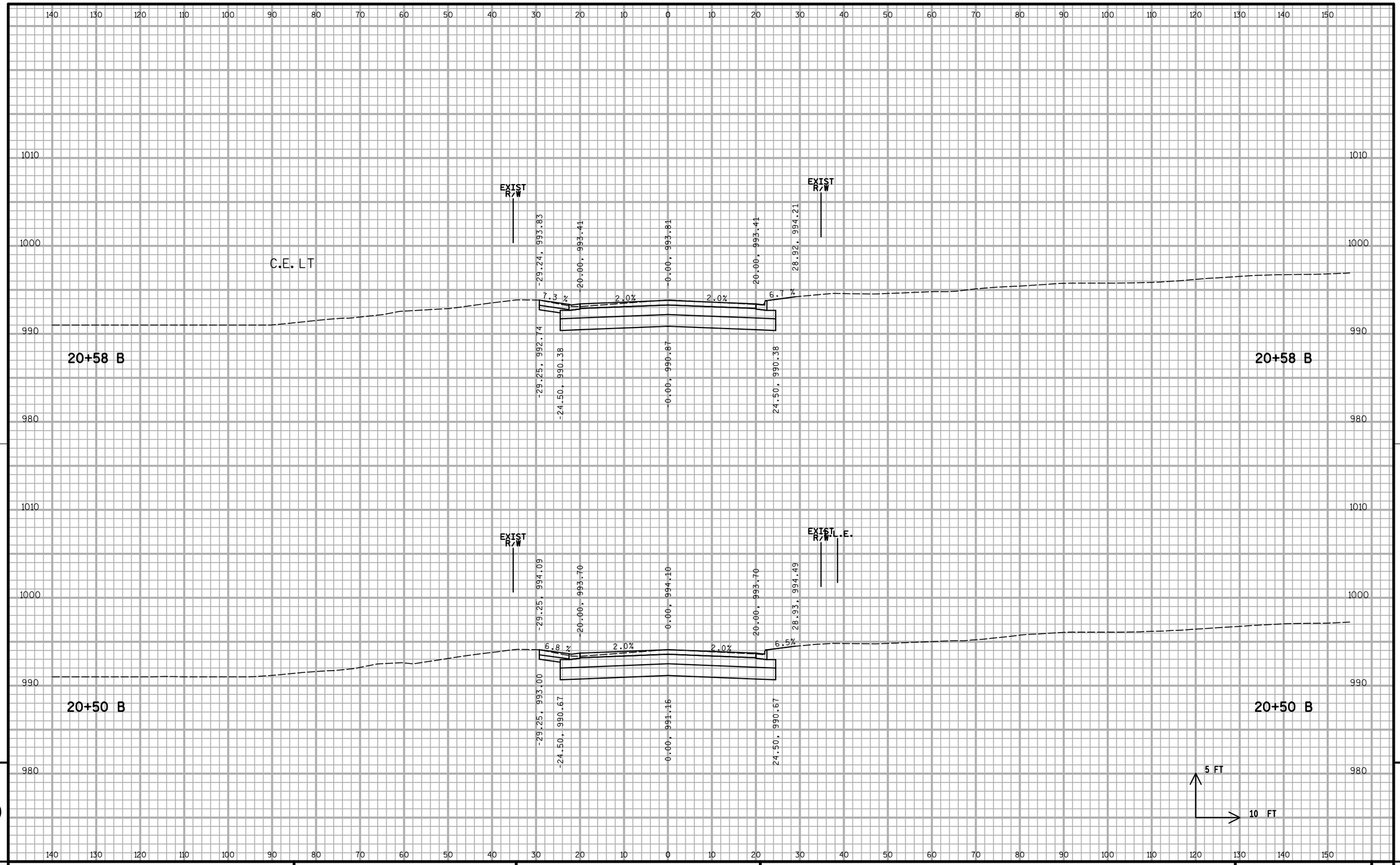


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BLACKHAWK ROAD (B)	SHEET 1063	E

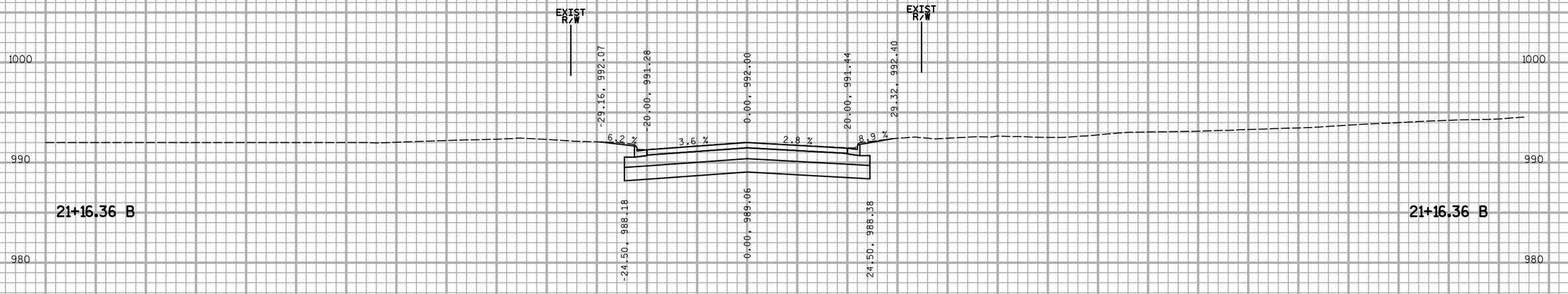
FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090202_xs_bhk.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



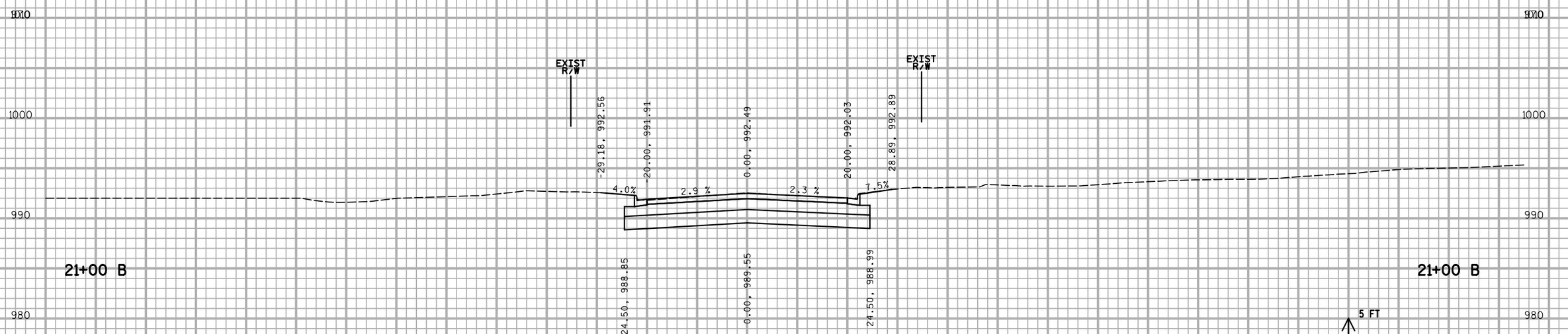
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BLACKHAWK ROAD (B)	SHEET 1064	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090202_xs_bhk.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

END CONSTRUCTION 21+16.36 B

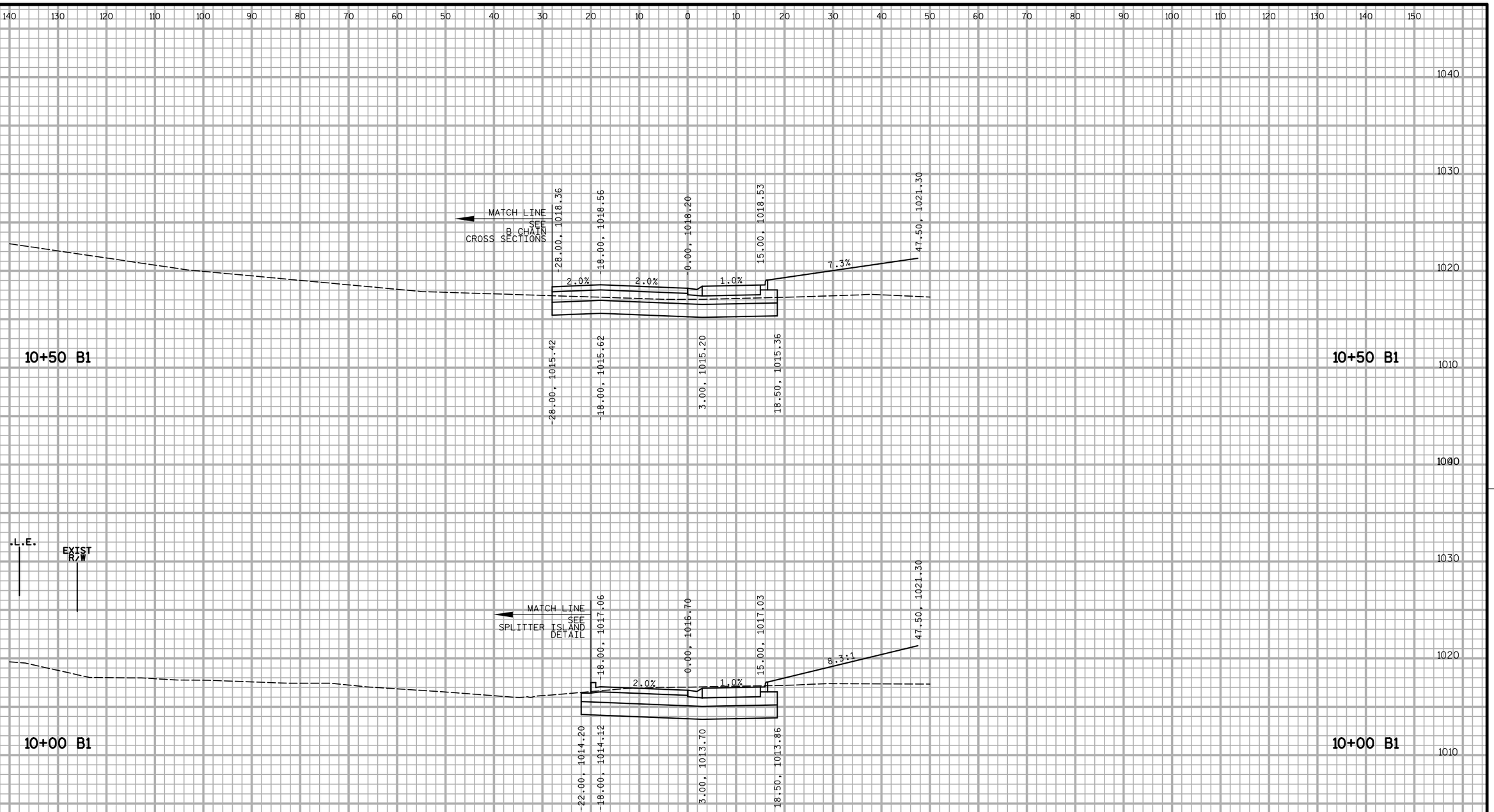


21+00 B



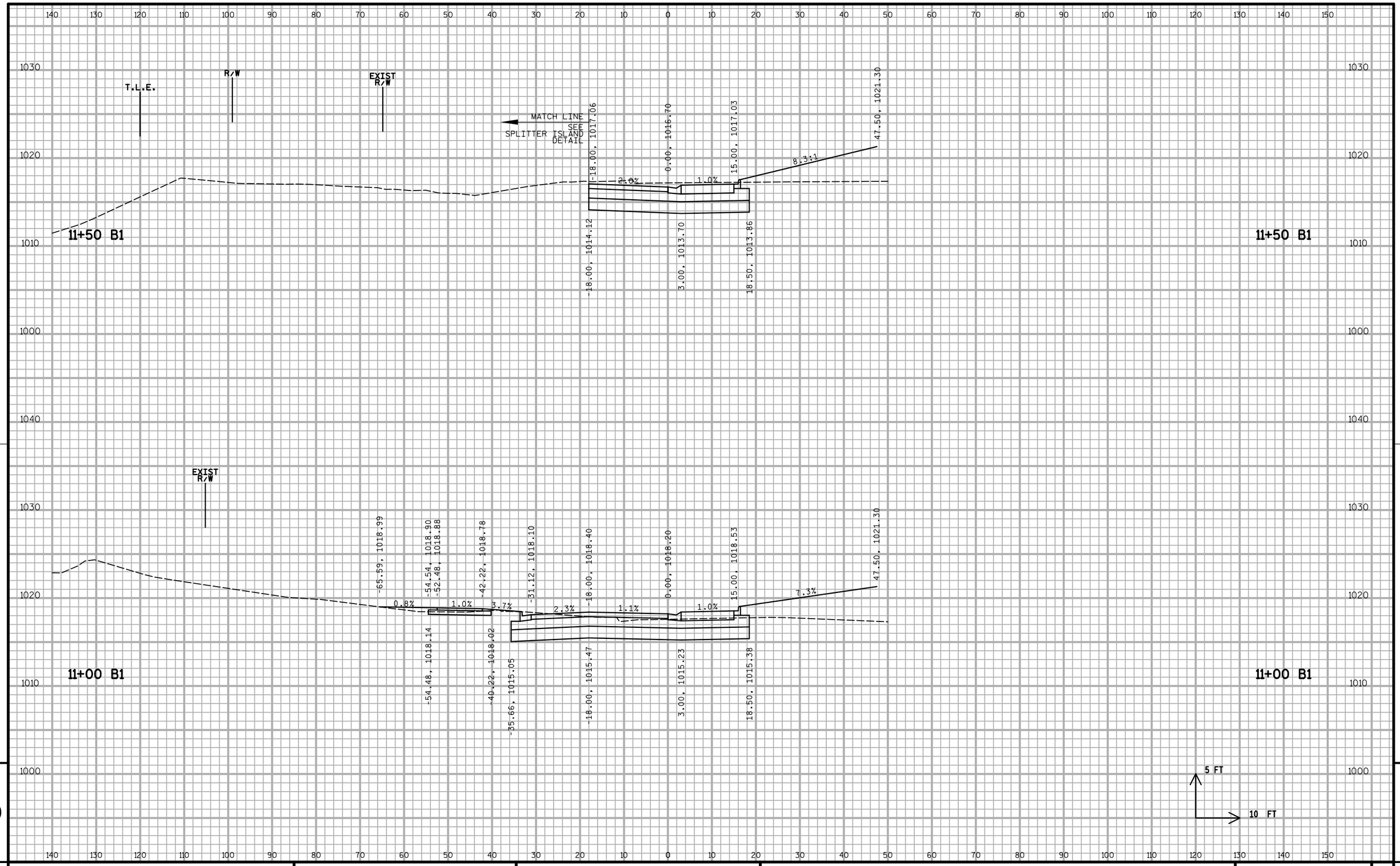
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BLACKHAWK ROAD (B)	SHEET 1065	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090202_xs_bhk.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BLACKHAWK ROAD (B1)	SHEET 1066	E

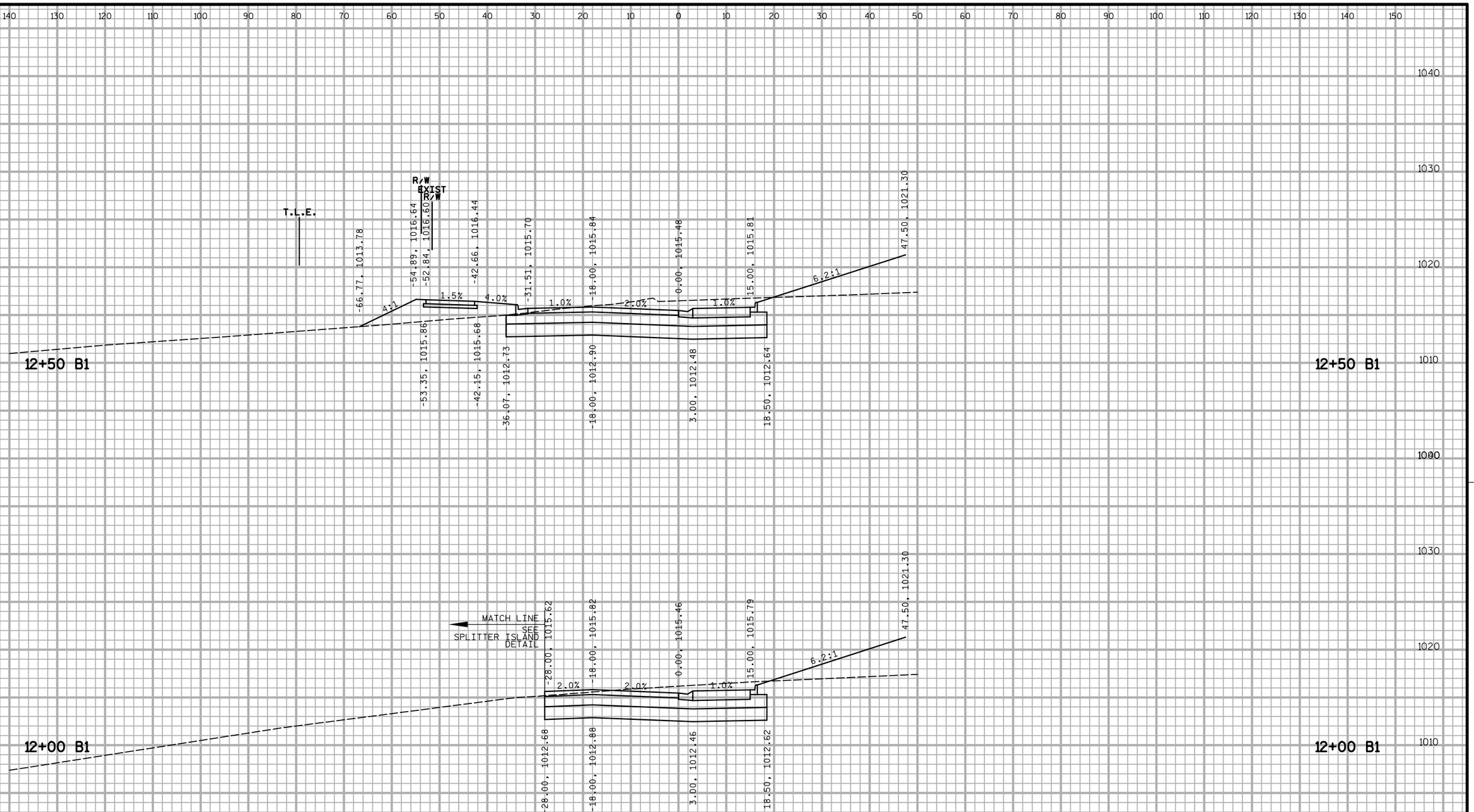
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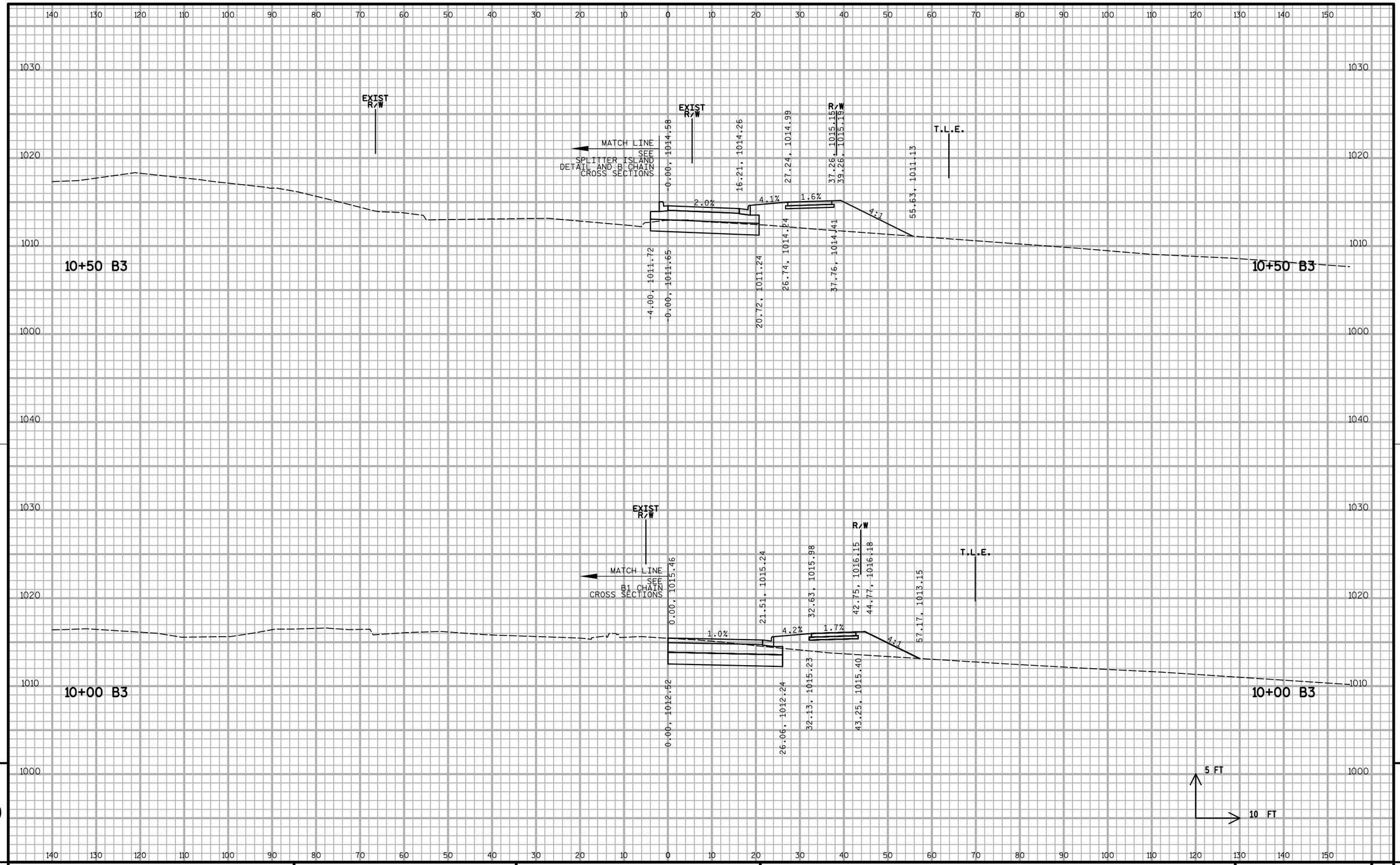
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BLACKHAWK ROAD (B1)	SHEET 1067	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090202_xs_bhk.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BLACKHAWK ROAD (B1)	SHEET 1068	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090202_xs_bhk.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



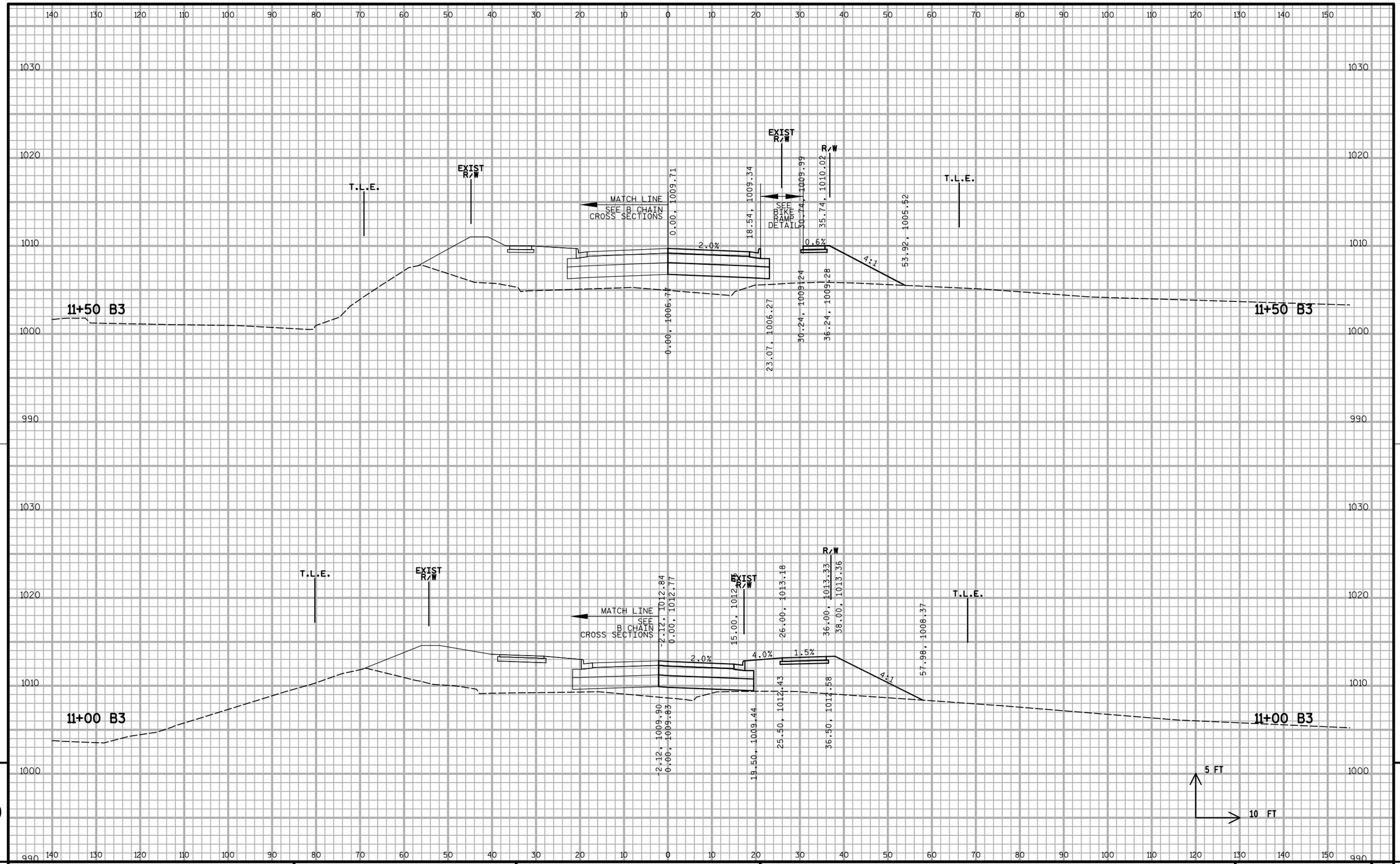
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BLACKHAWK ROAD (B3)	SHEET 1069	E

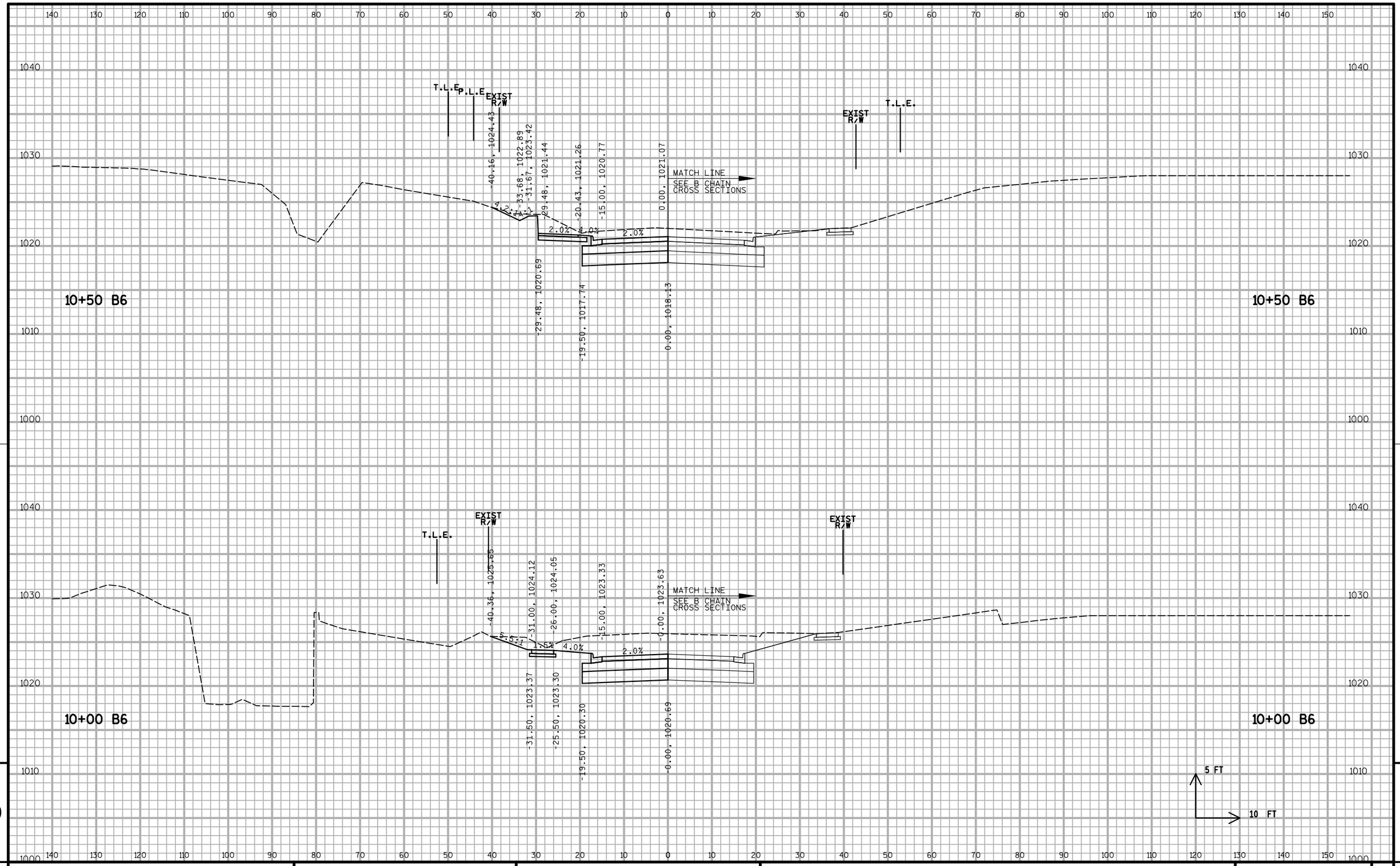
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WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BLACKHAWK ROAD (B3)	SHEET 1070	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090202_xs_bhk.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



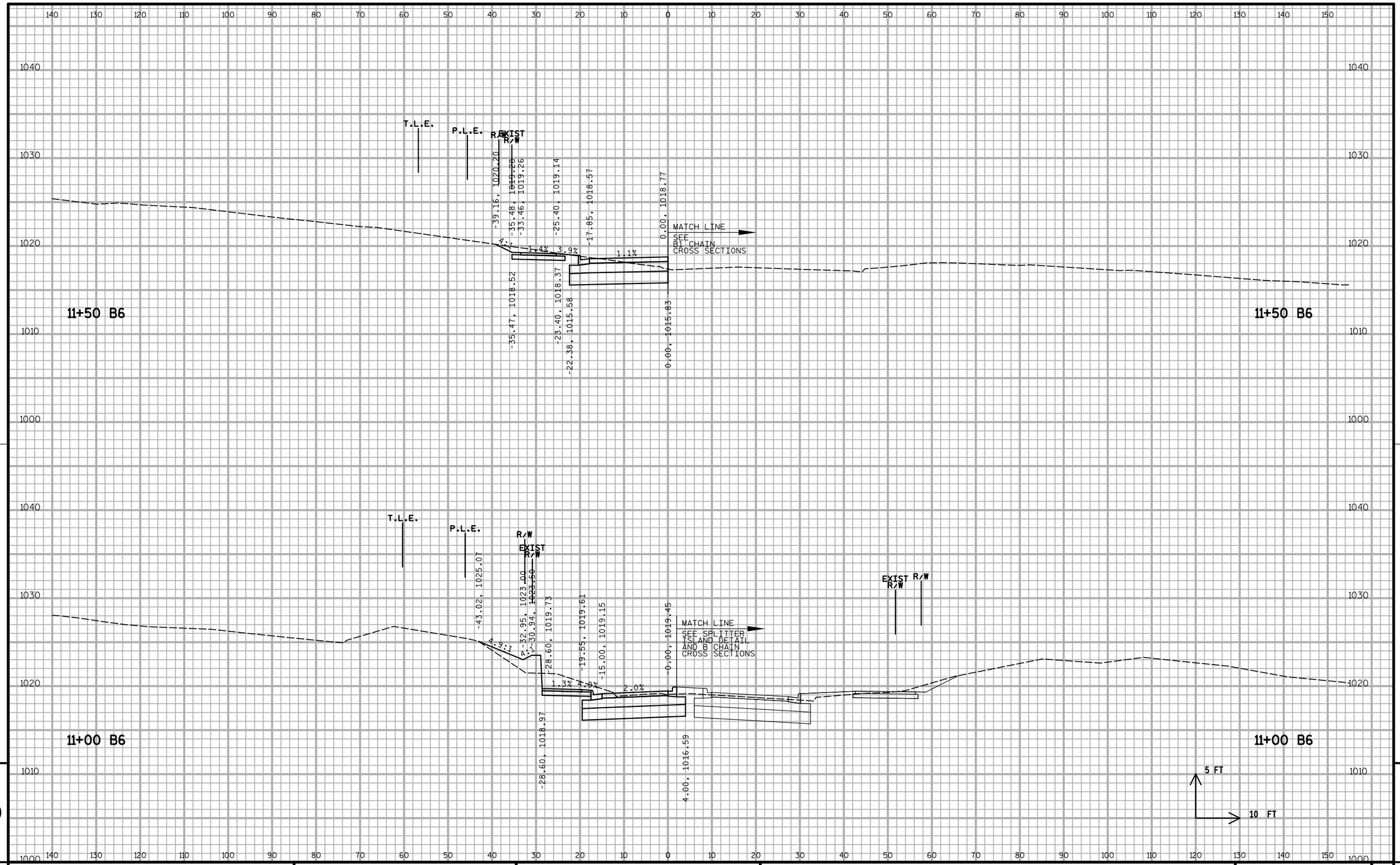
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BLACKHAWK ROAD (B6)	SHEET 1071	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090202_xs_bhk.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



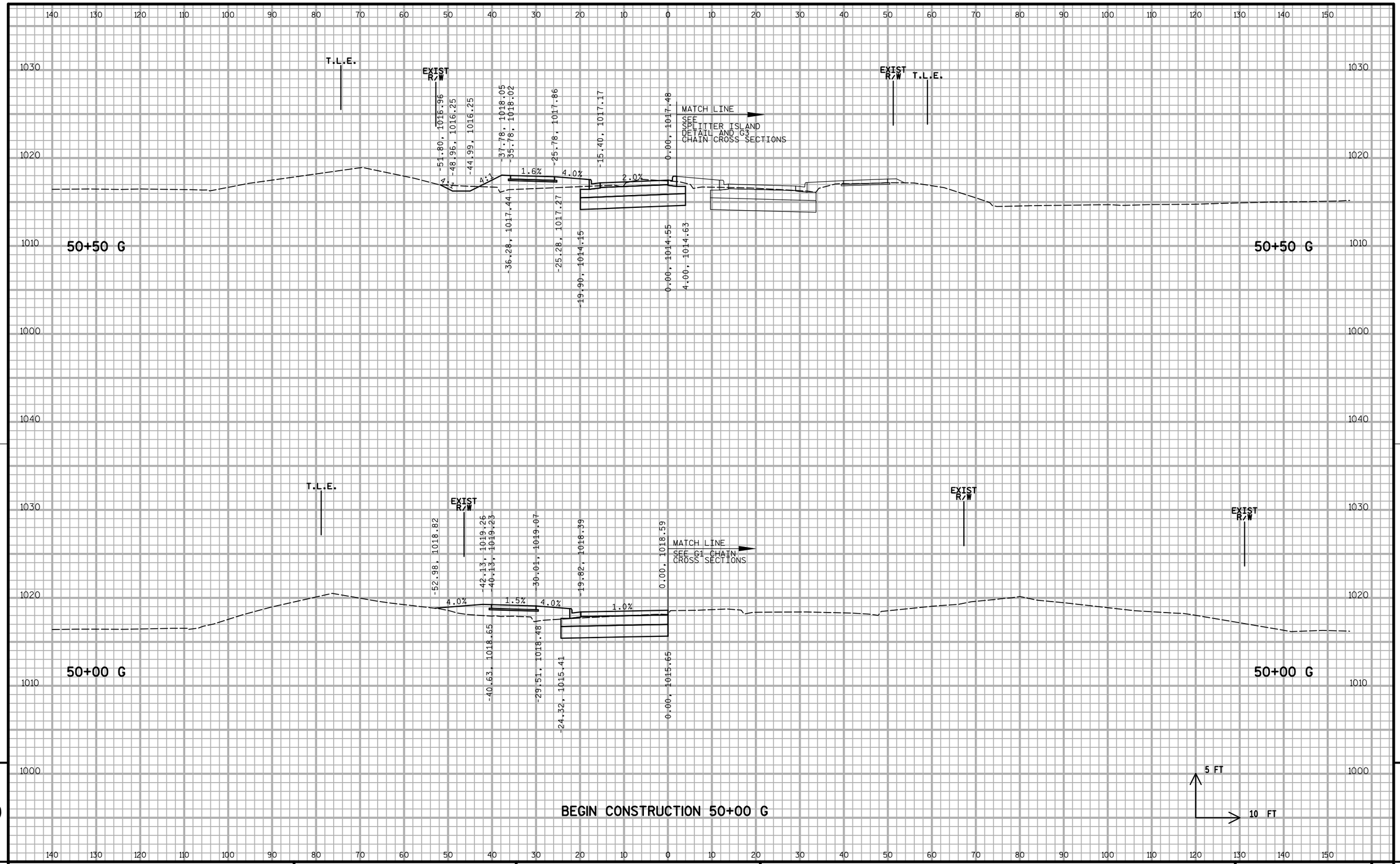
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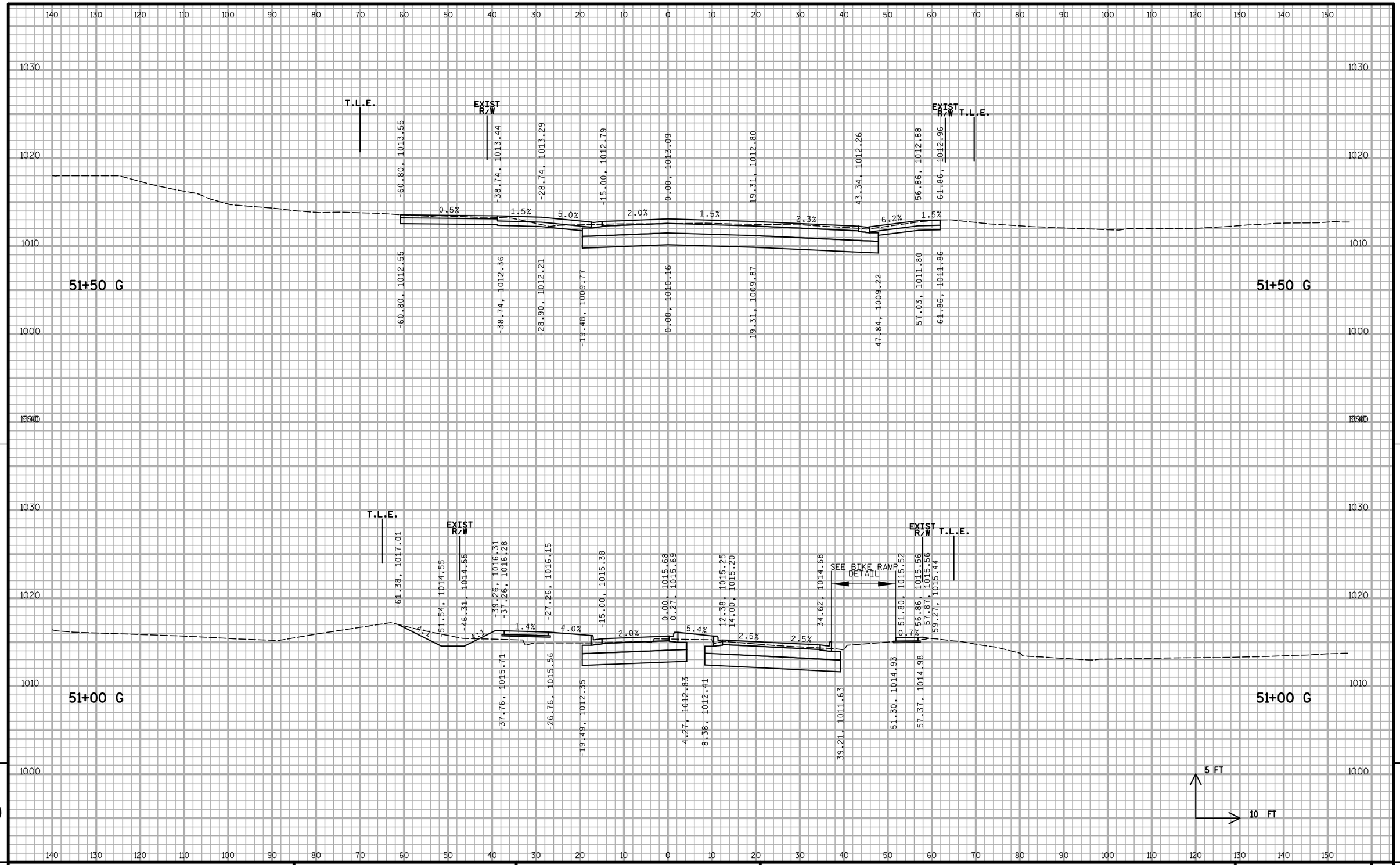
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BLACKHAWK ROAD (B6)	SHEET 1072	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090202_xs_bhk.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



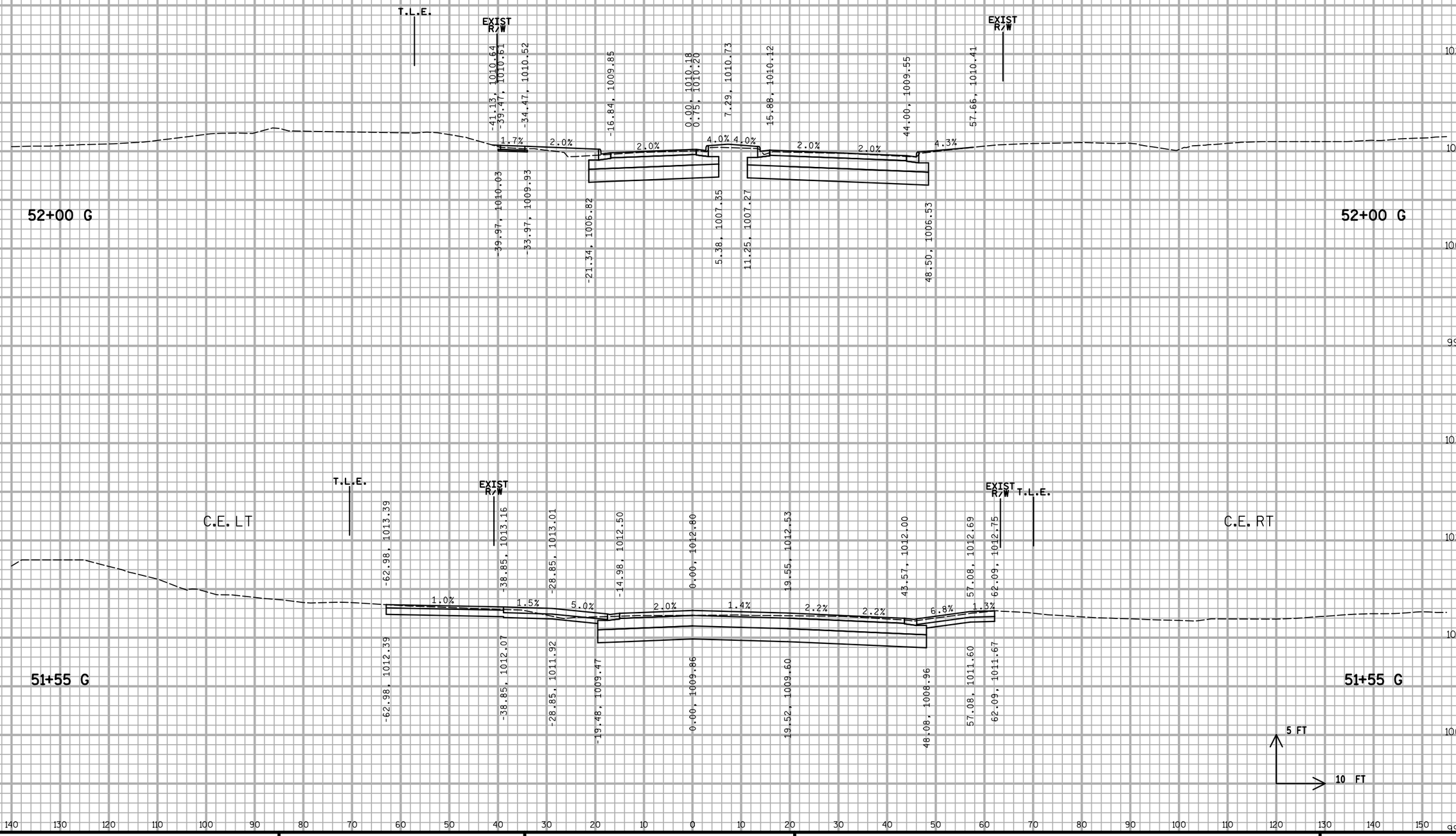
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - GREENWAY BOULEVARD (G)	SHEET 1073	E



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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - GREENWAY BOULEVARD (G)	SHEET 1074	E

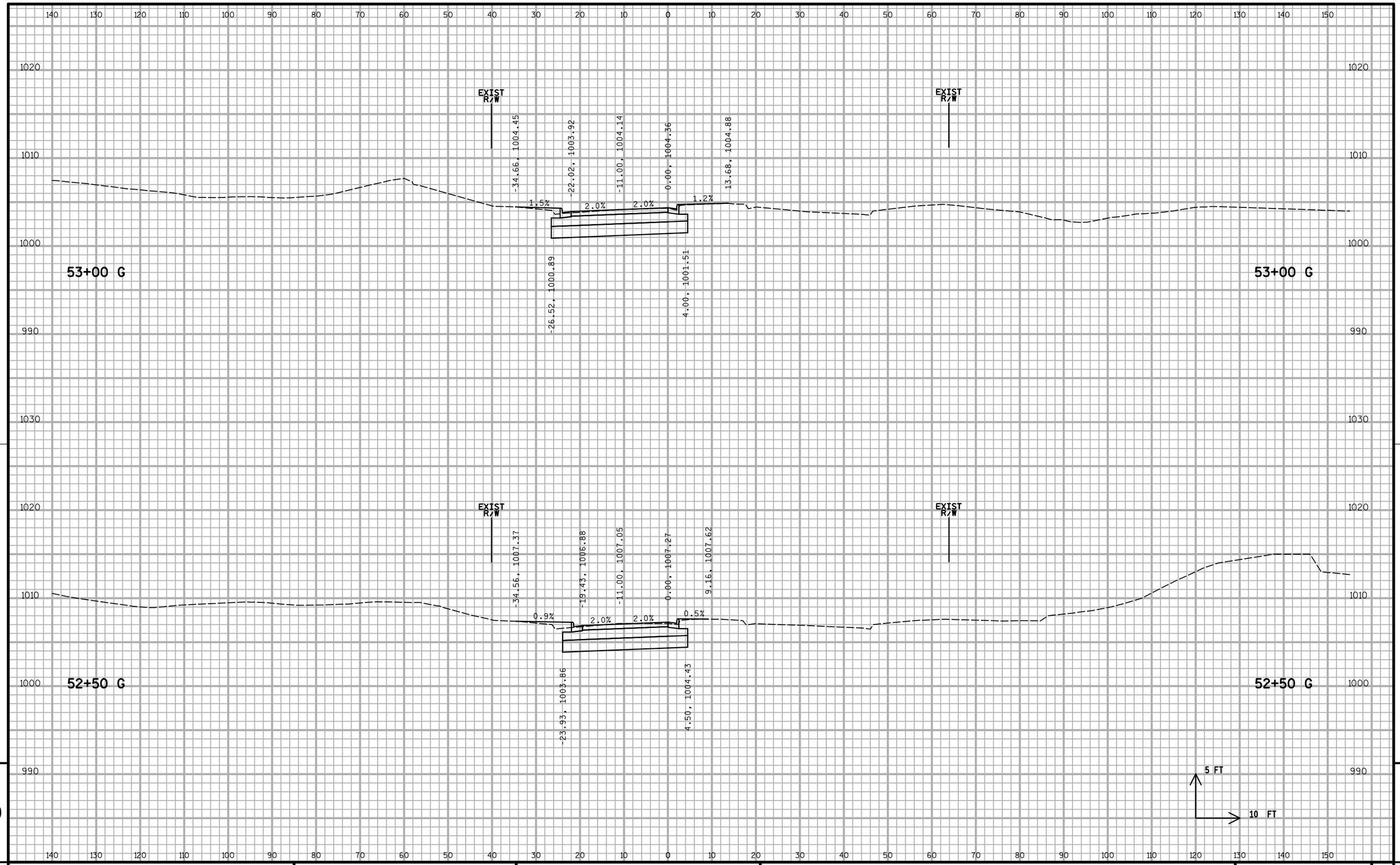


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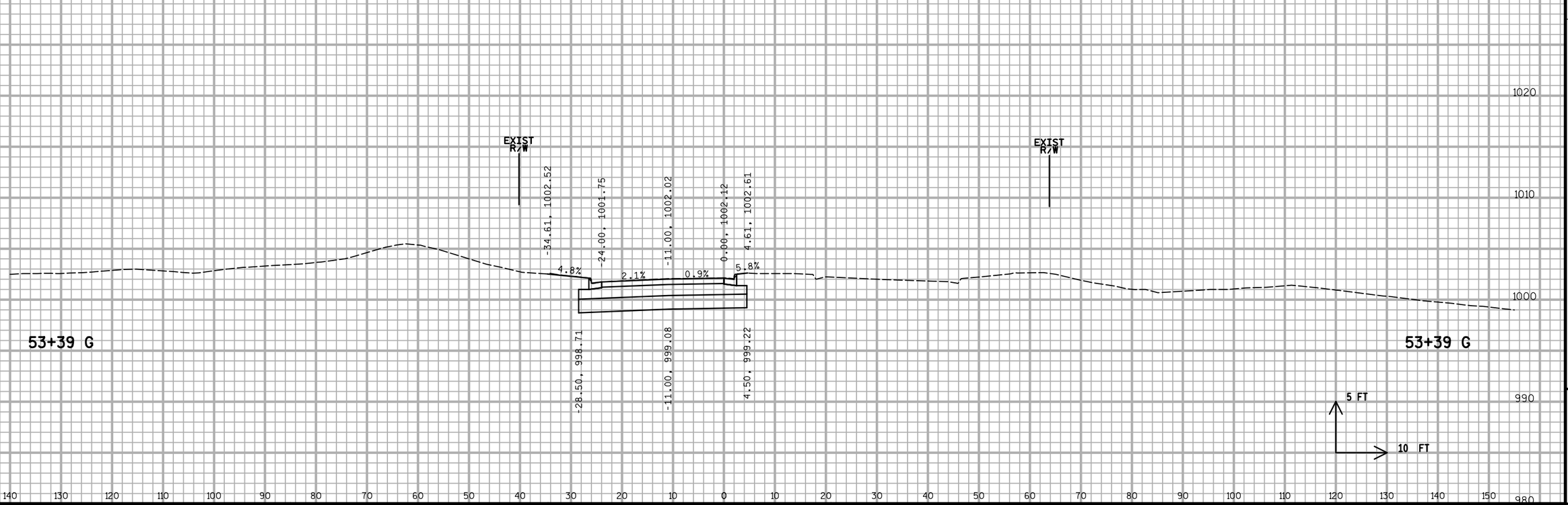
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - GREENWAY BOULEVARD (G)	SHEET 1075	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090203_xs_grwy.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



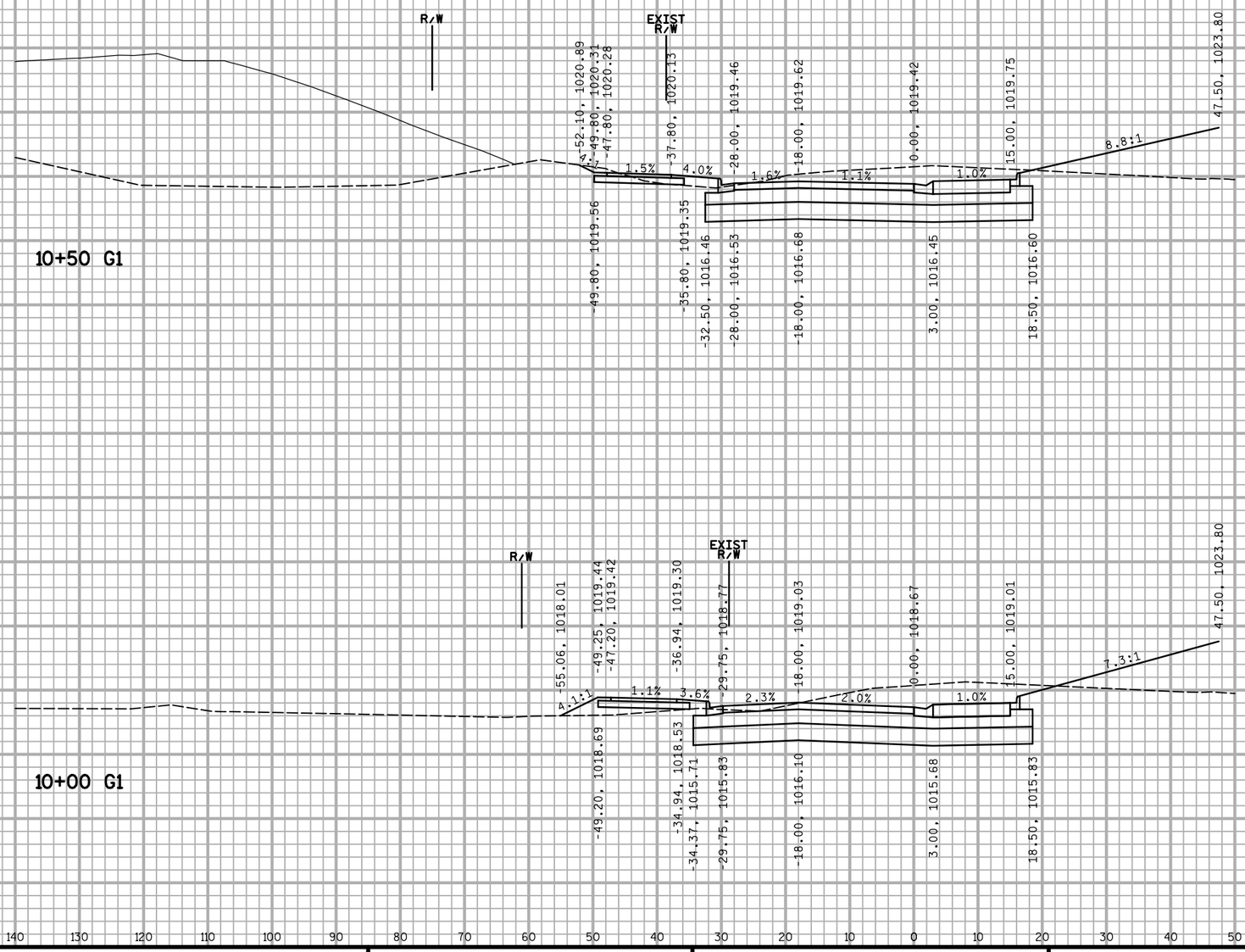
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - GREENWAY BOULEVARD (G)	SHEET 1076	E

END CONSTRUCTION 53+38.58 G



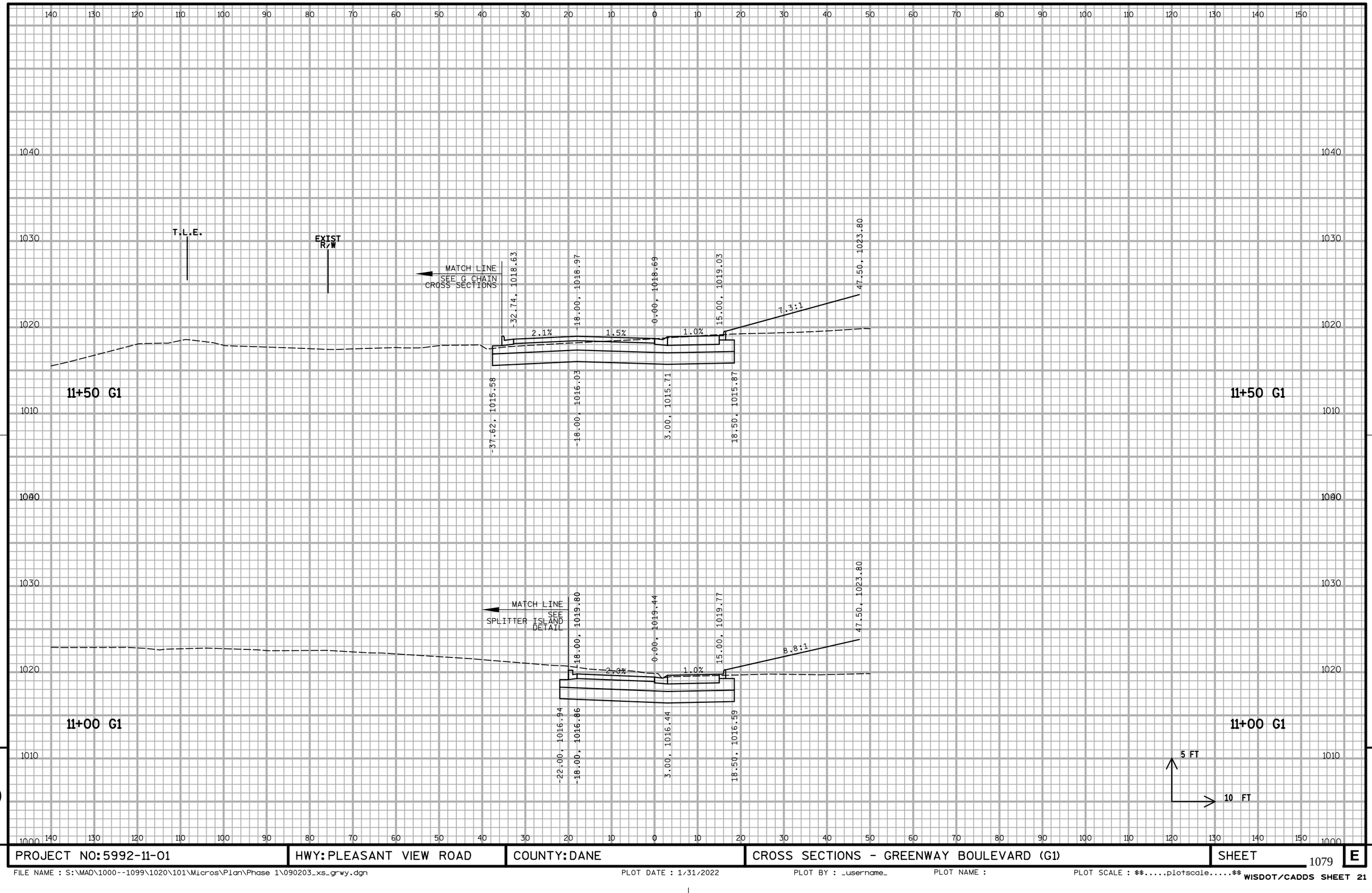
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - GREENWAY BOULEVARD (G)	SHEET 1077	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090203_xs_grwy.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - GREENWAY BOULEVARD (G1)	SHEET 1078 E

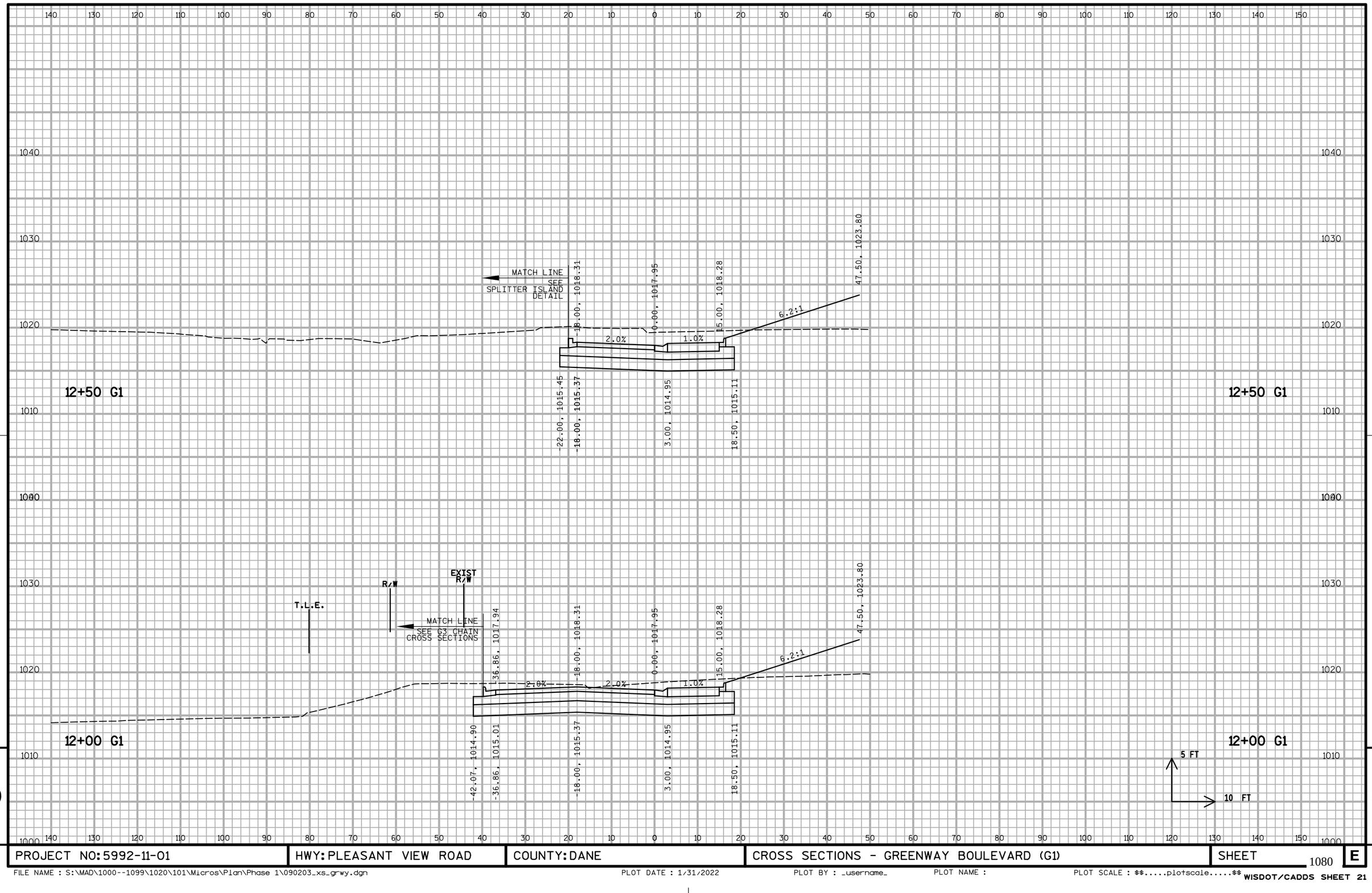
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - GREENWAY BOULEVARD (G1)	SHEET 1079	E

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WISDOT/CADDS SHEET 21

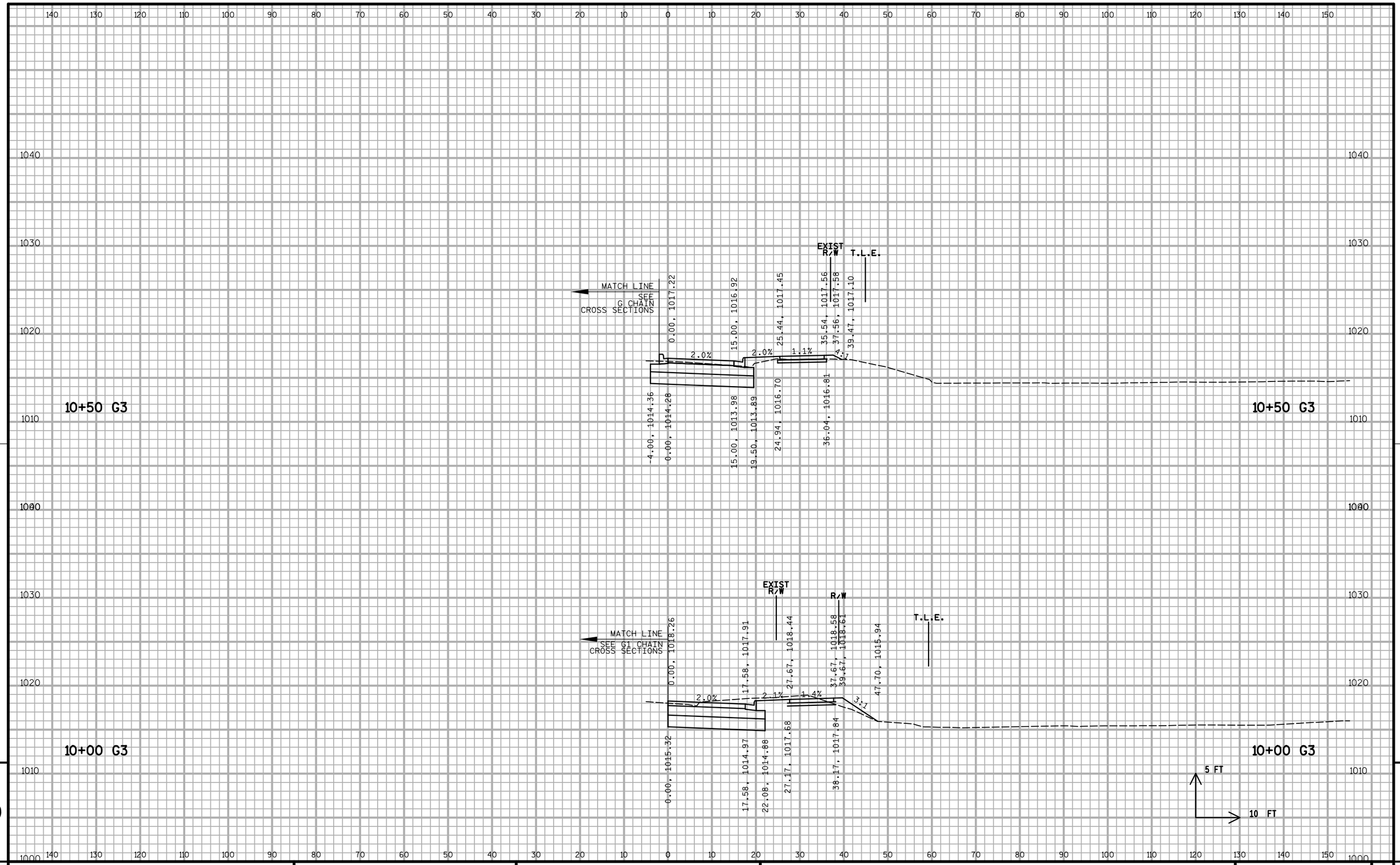


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - GREENWAY BOULEVARD (G1)	SHEET 1080	E

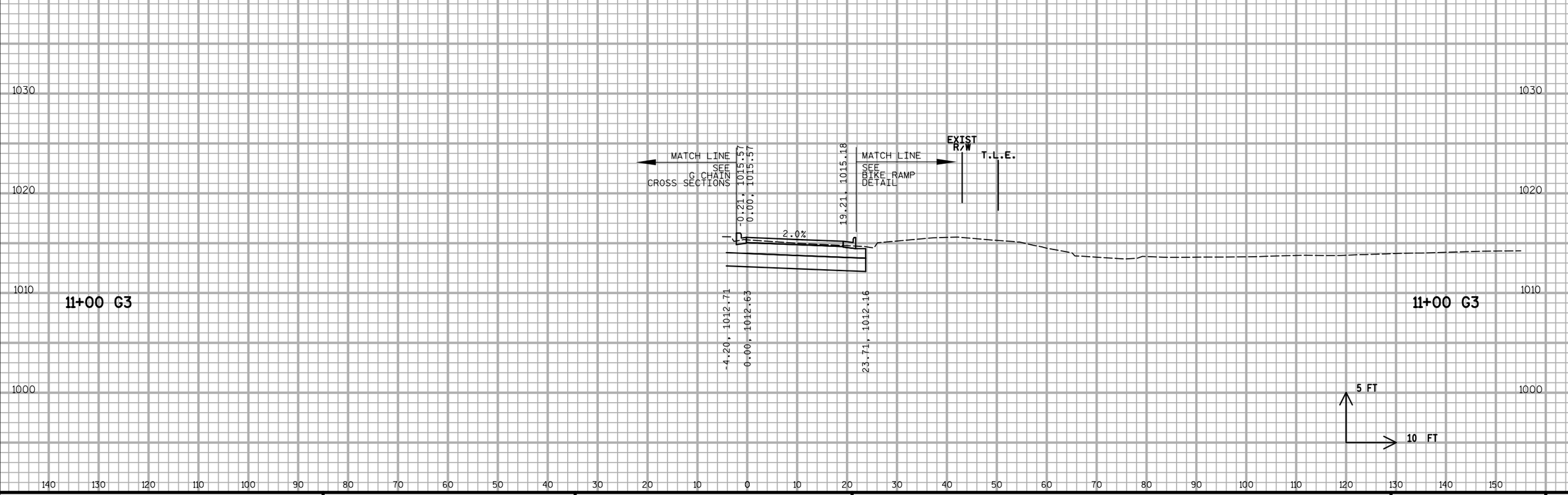
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - GREENWAY BOULEVARD (G3)	SHEET 1081 E

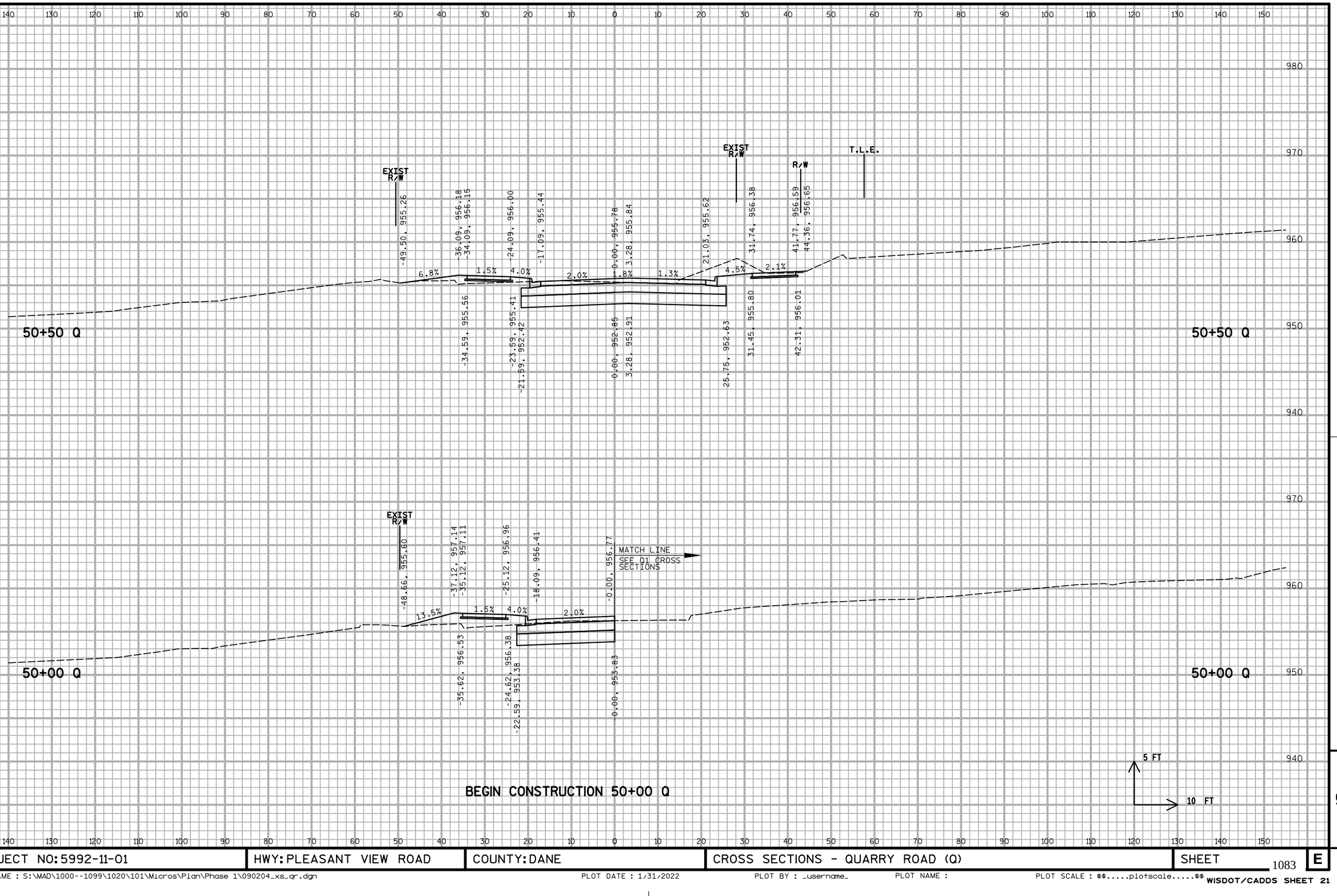
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WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - GREENWAY BOULEVARD (G3)	SHEET 1082	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090203_xs_grwy.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

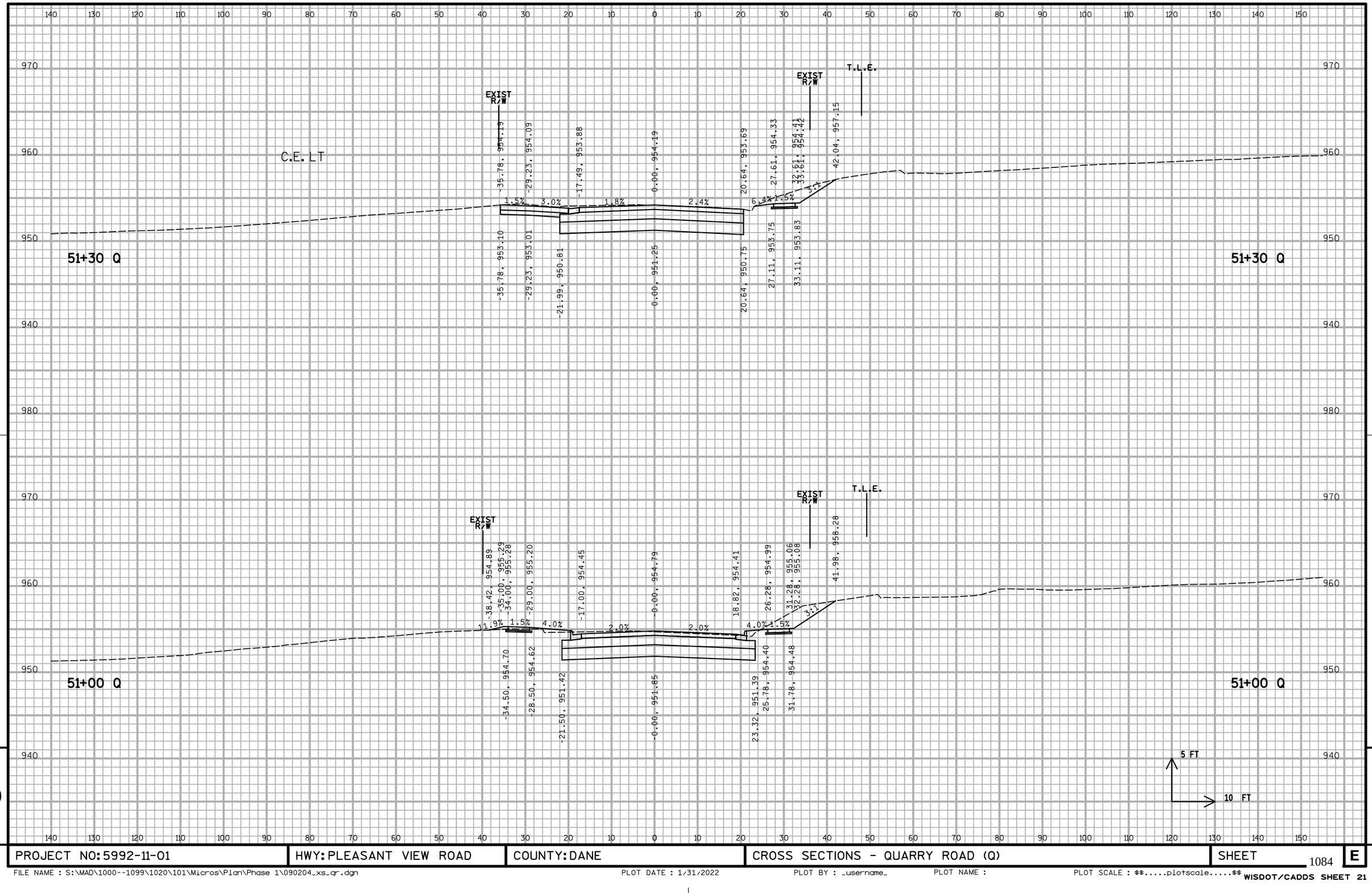


BEGIN CONSTRUCTION 50+00 Q

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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - QUARRY ROAD (Q)	SHEET 1083	E

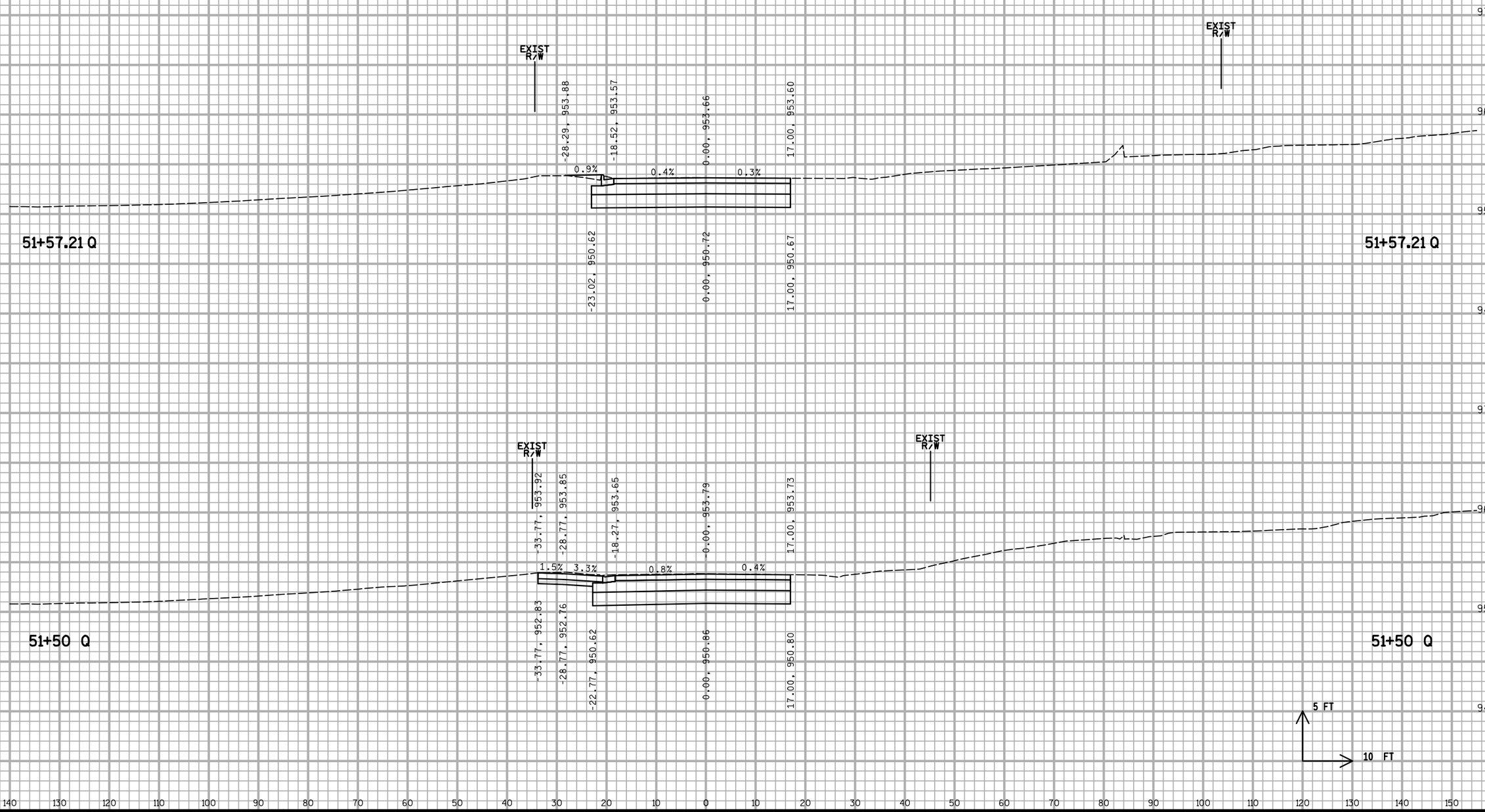
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - QUARRY ROAD (Q)	SHEET 1084	E

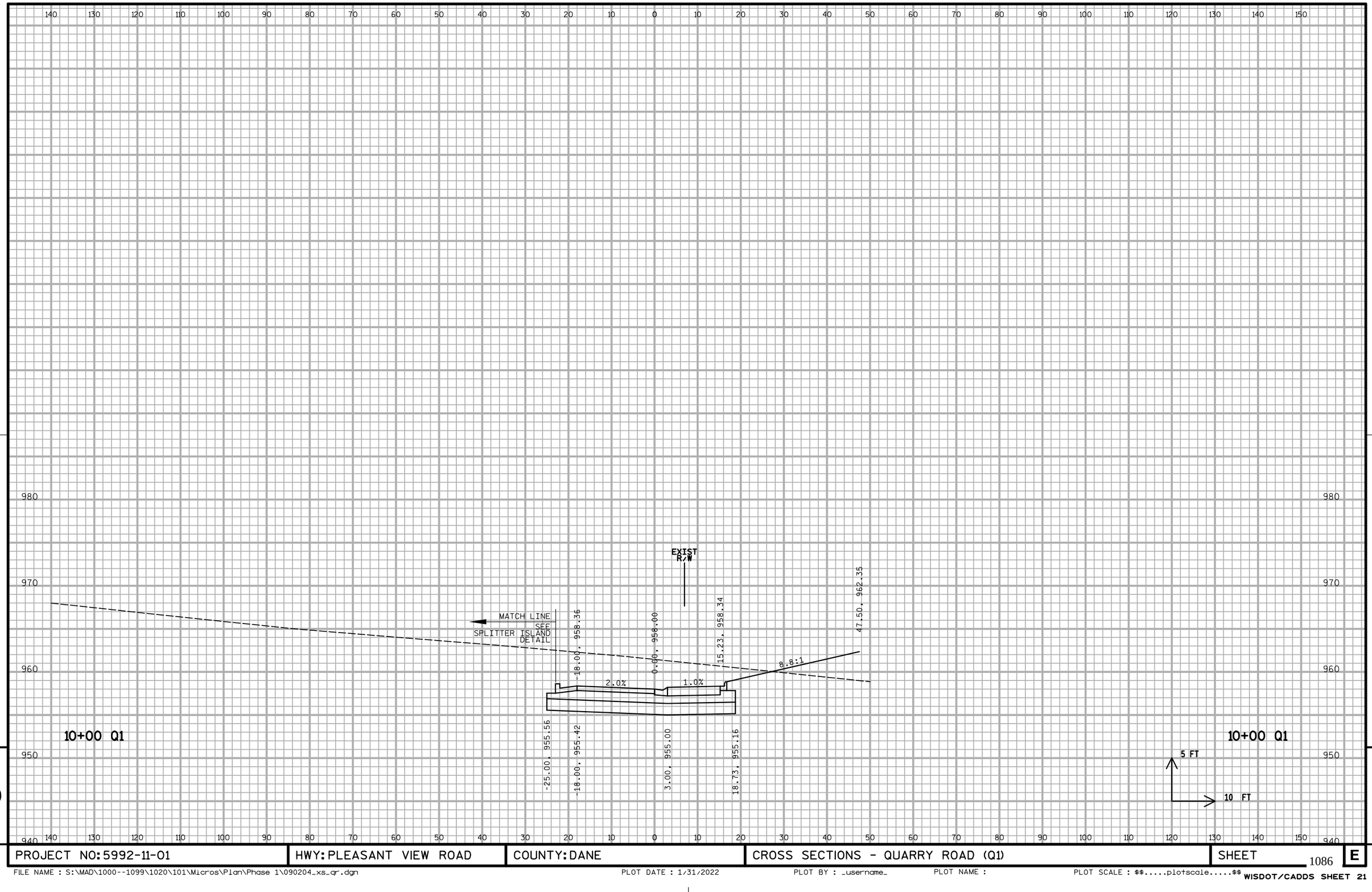
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END CONSTRUCTION 51+57.21 Q



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - QUARRY ROAD (Q)	SHEET 1085	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090204_xs_qr.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

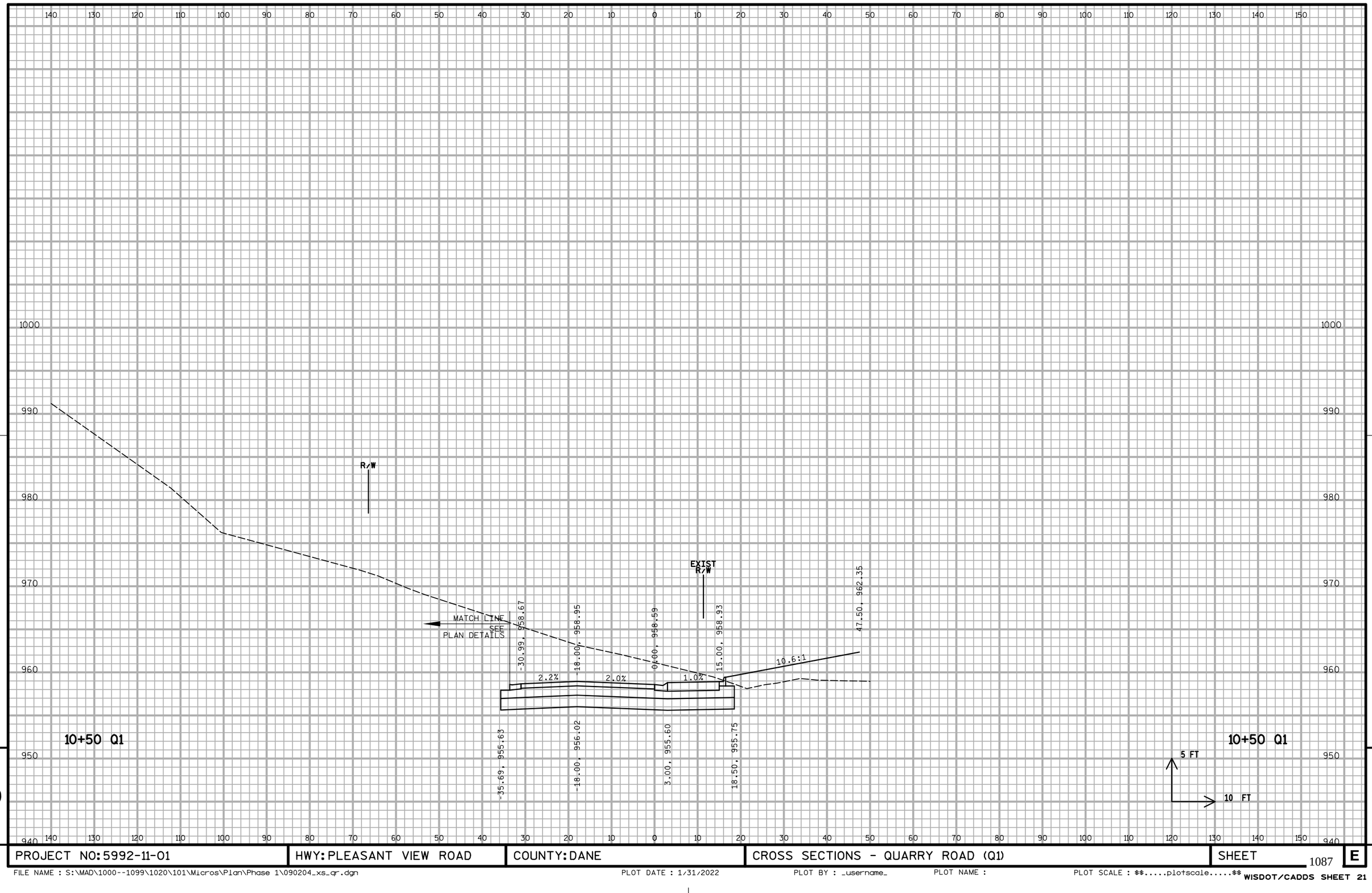


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - QUARRY ROAD (Q1)	SHEET 1086	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090204_xs_qr.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

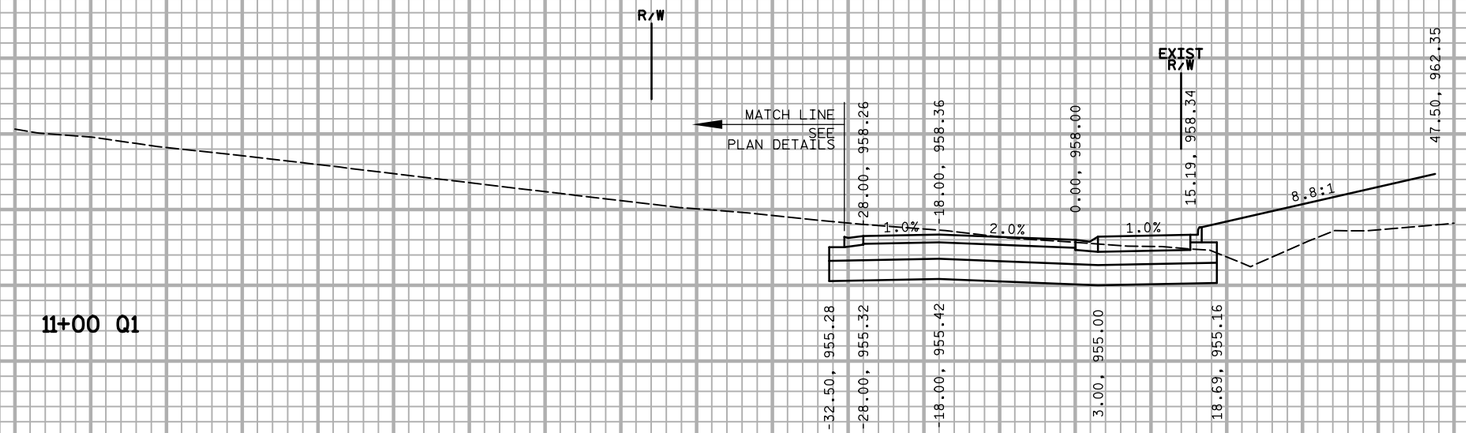


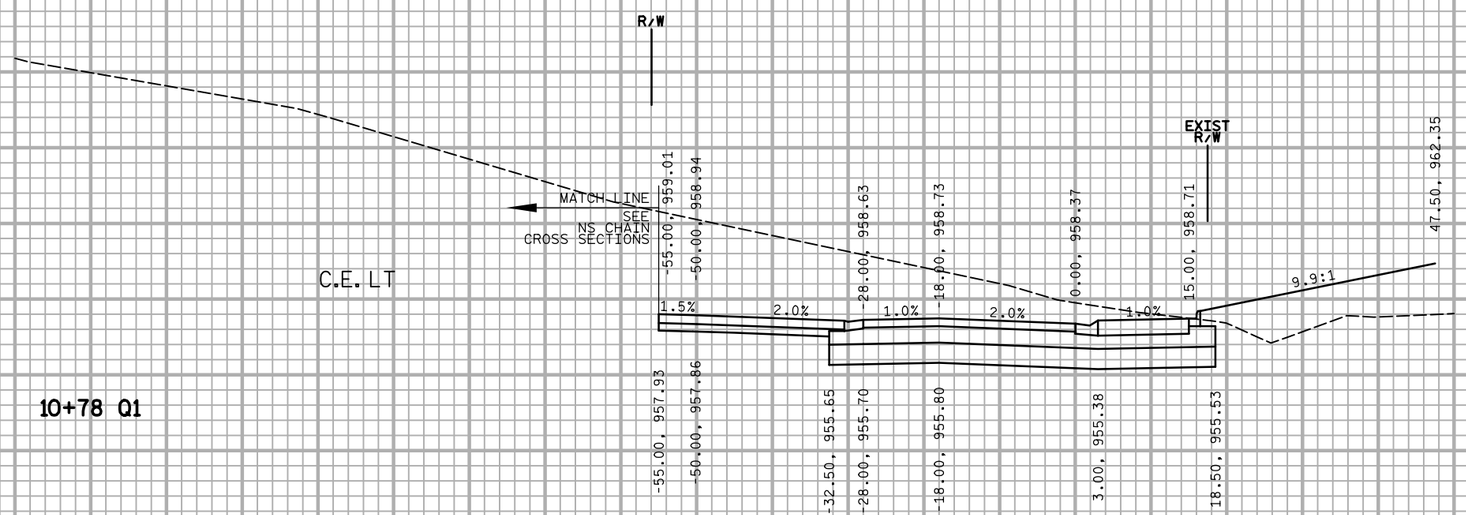
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - QUARRY ROAD (Q1)	SHEET 1087	E

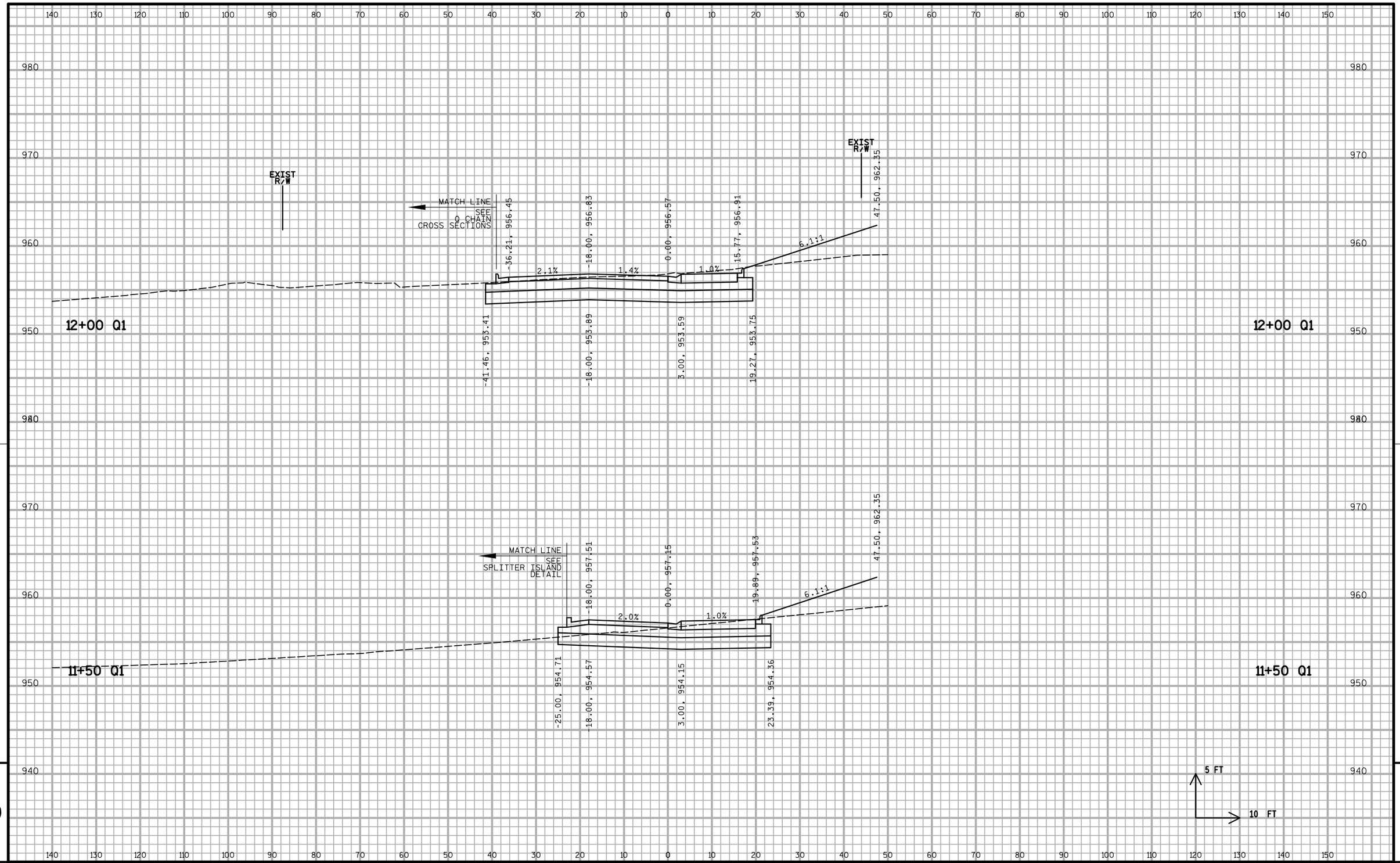
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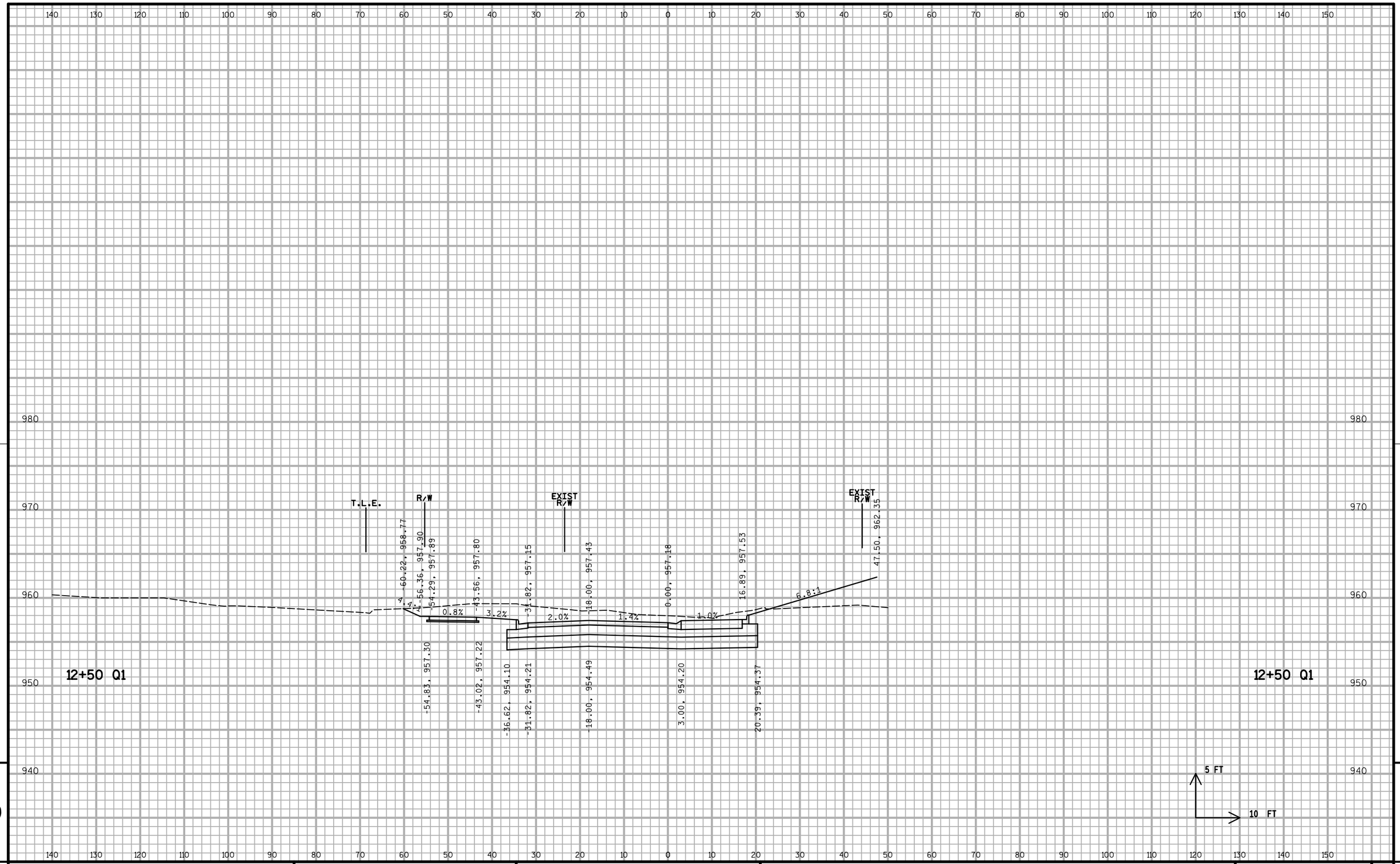
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - QUARRY ROAD (Q1)	SHEET 1088	E

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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - QUARRY ROAD (Q1)	SHEET 1089	E

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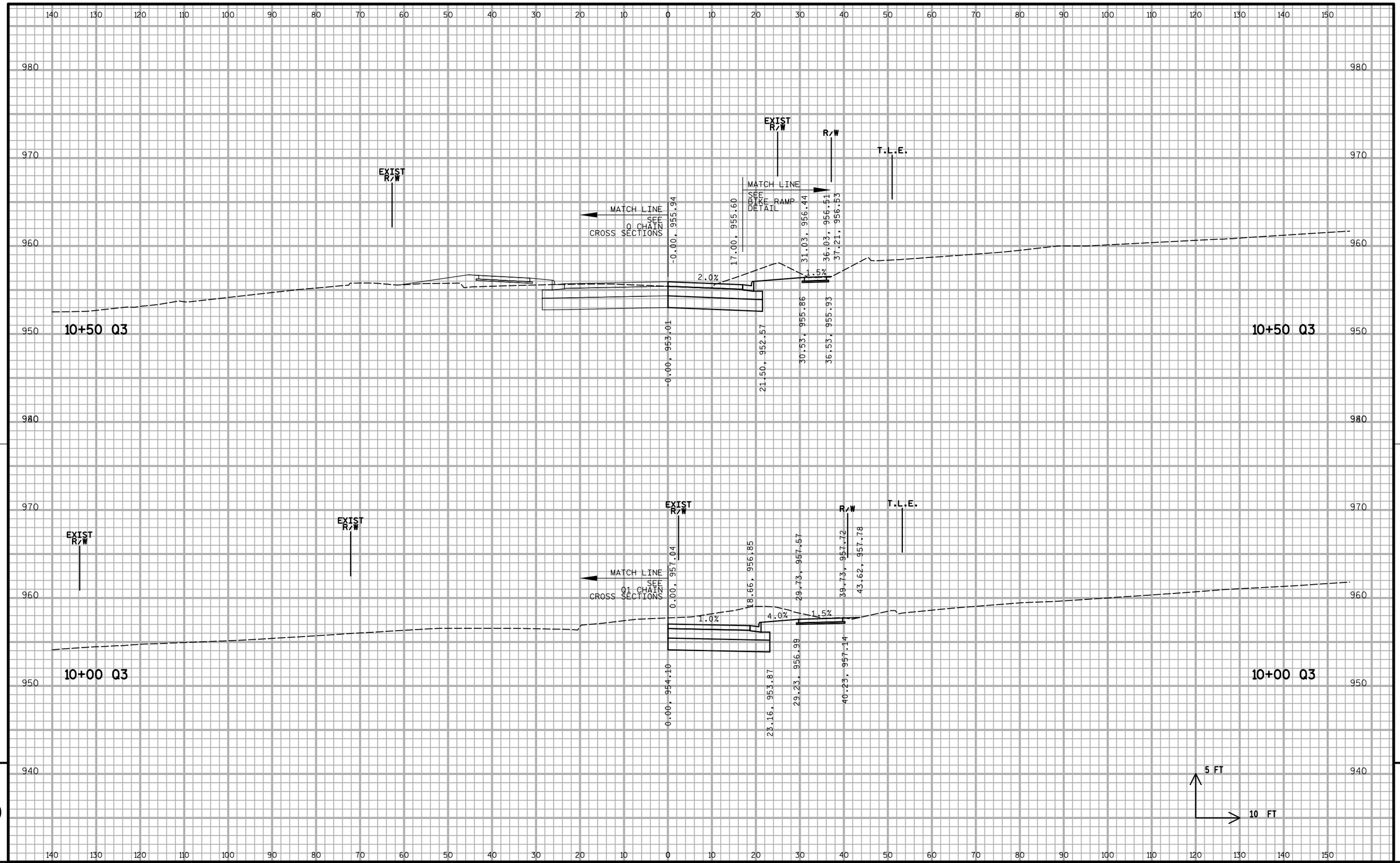


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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - QUARRY ROAD (Q1)	SHEET 1090	E

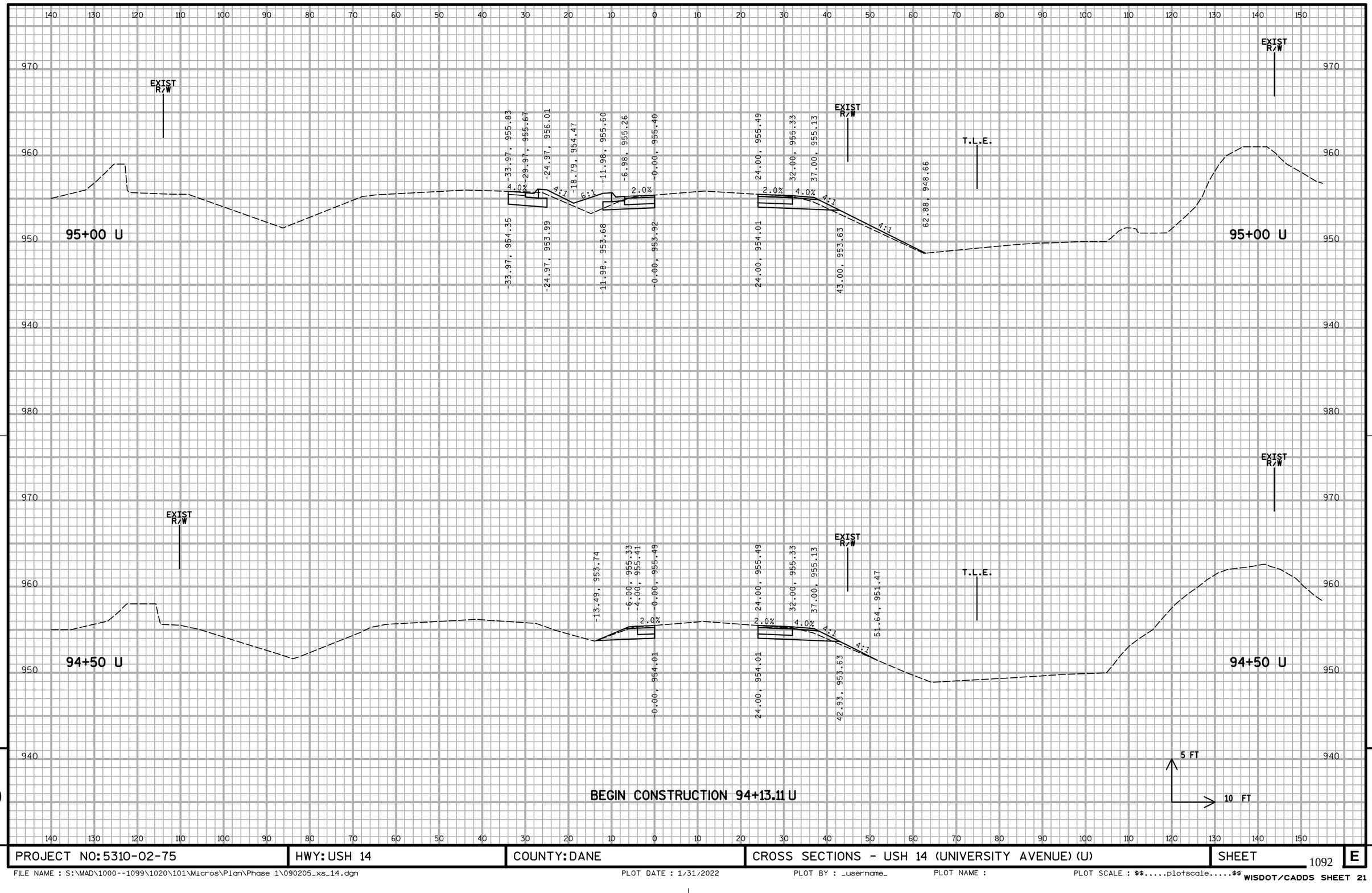
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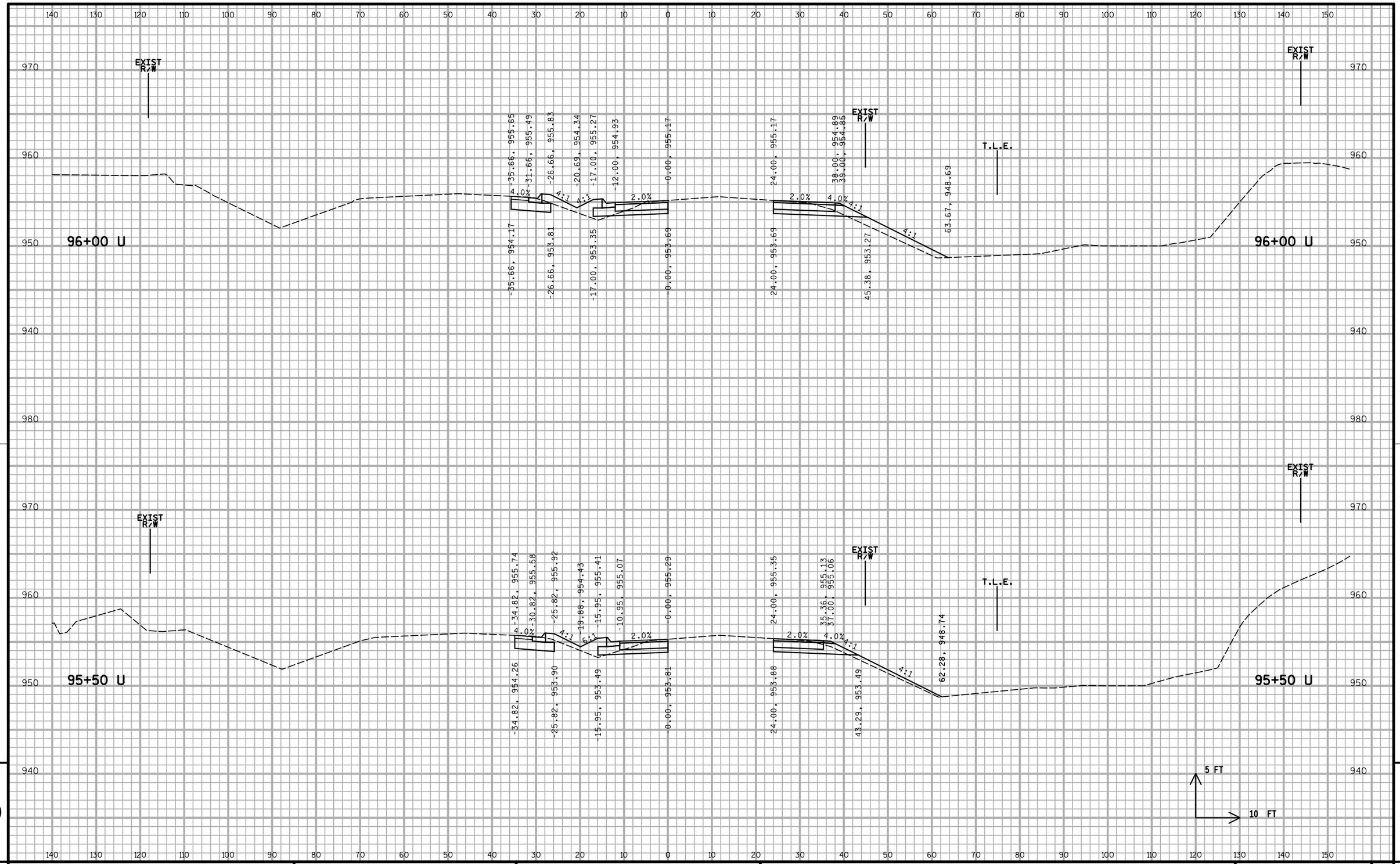
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - QUARRY ROAD (Q3)	SHEET 1091	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090204_xs_qr.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS - USH 14 (UNIVERSITY AVENUE) (U)	SHEET 1092	E

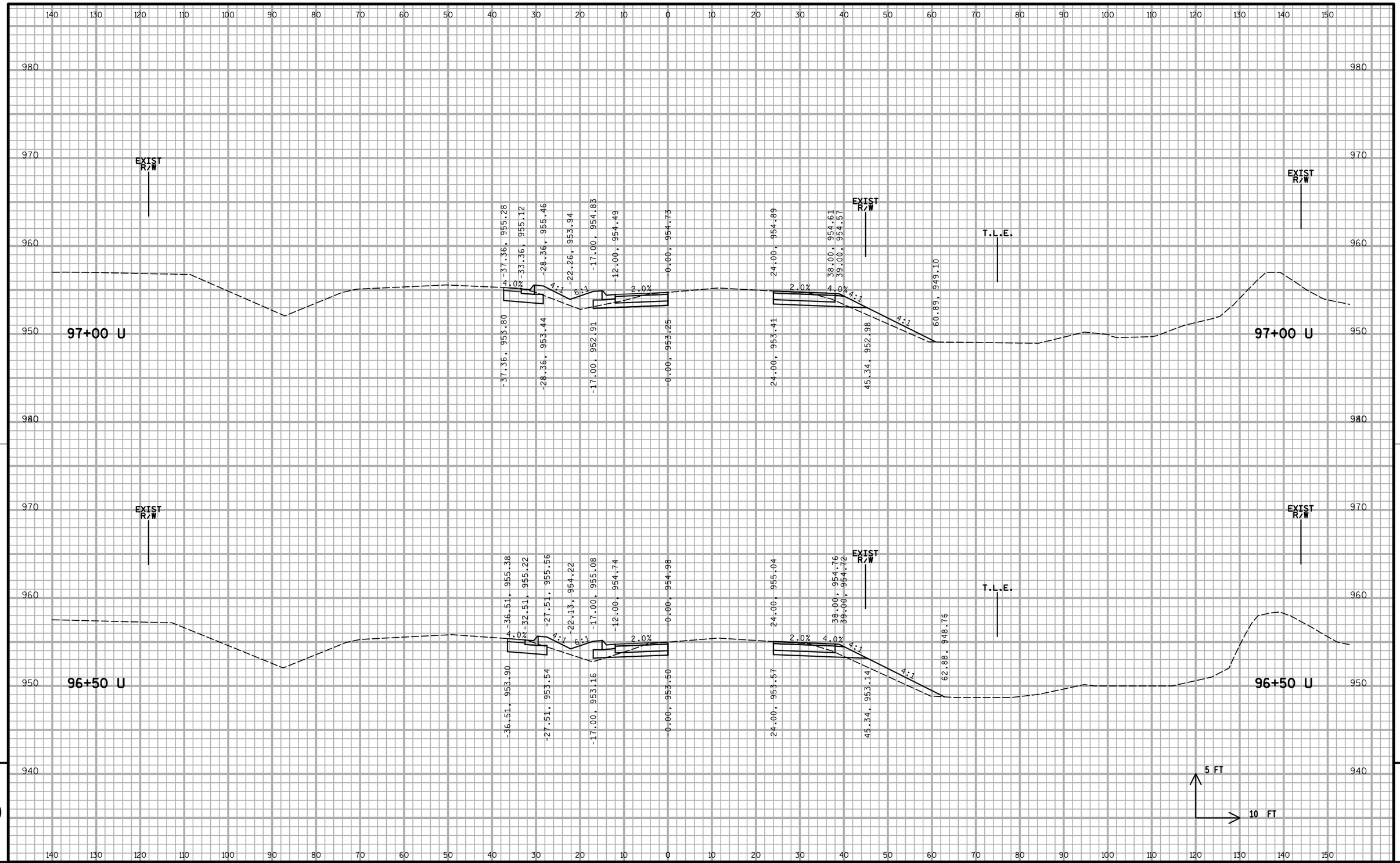
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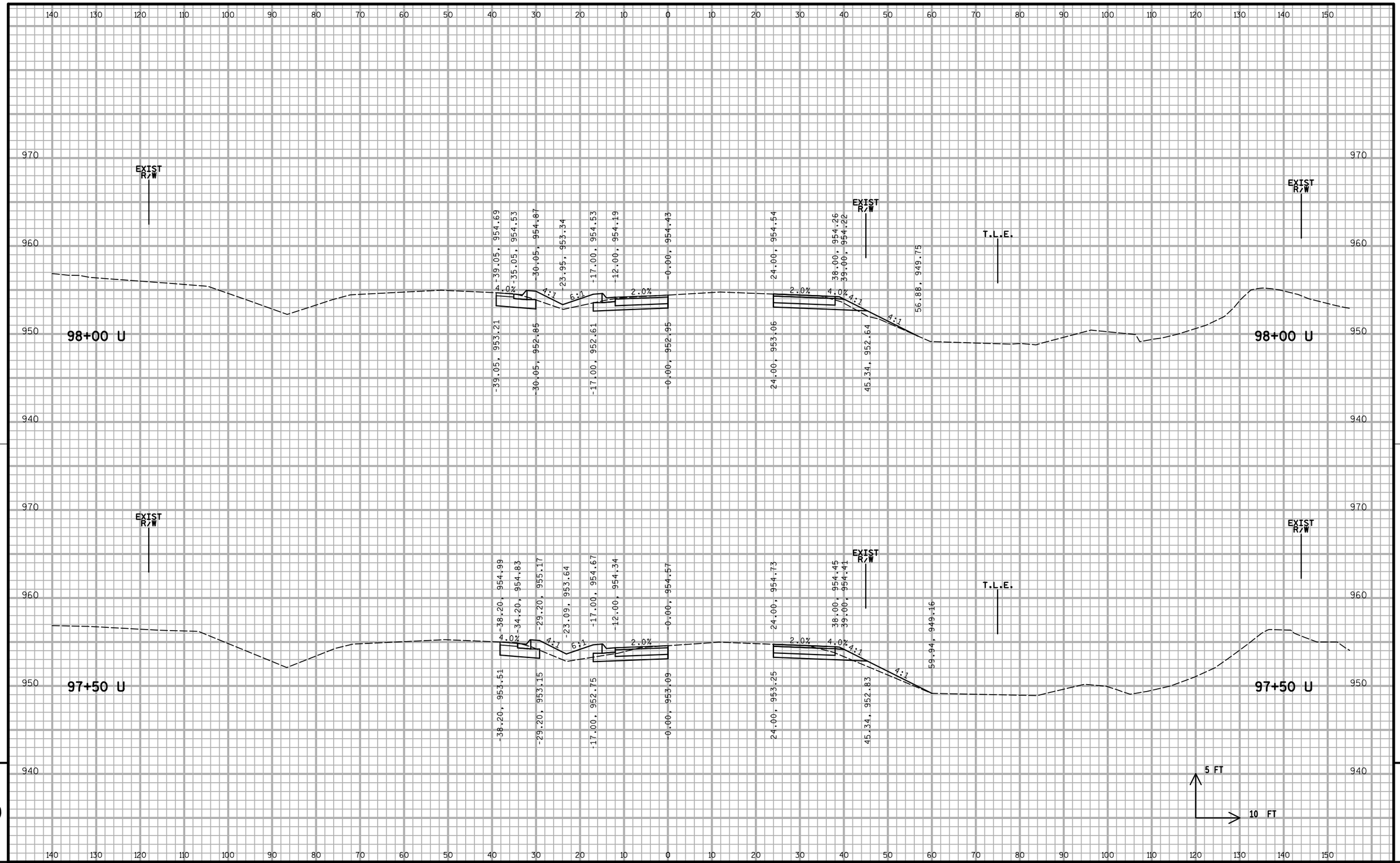


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PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS - USH 14 (UNIVERSITY AVENUE) (U)	SHEET 1093	E

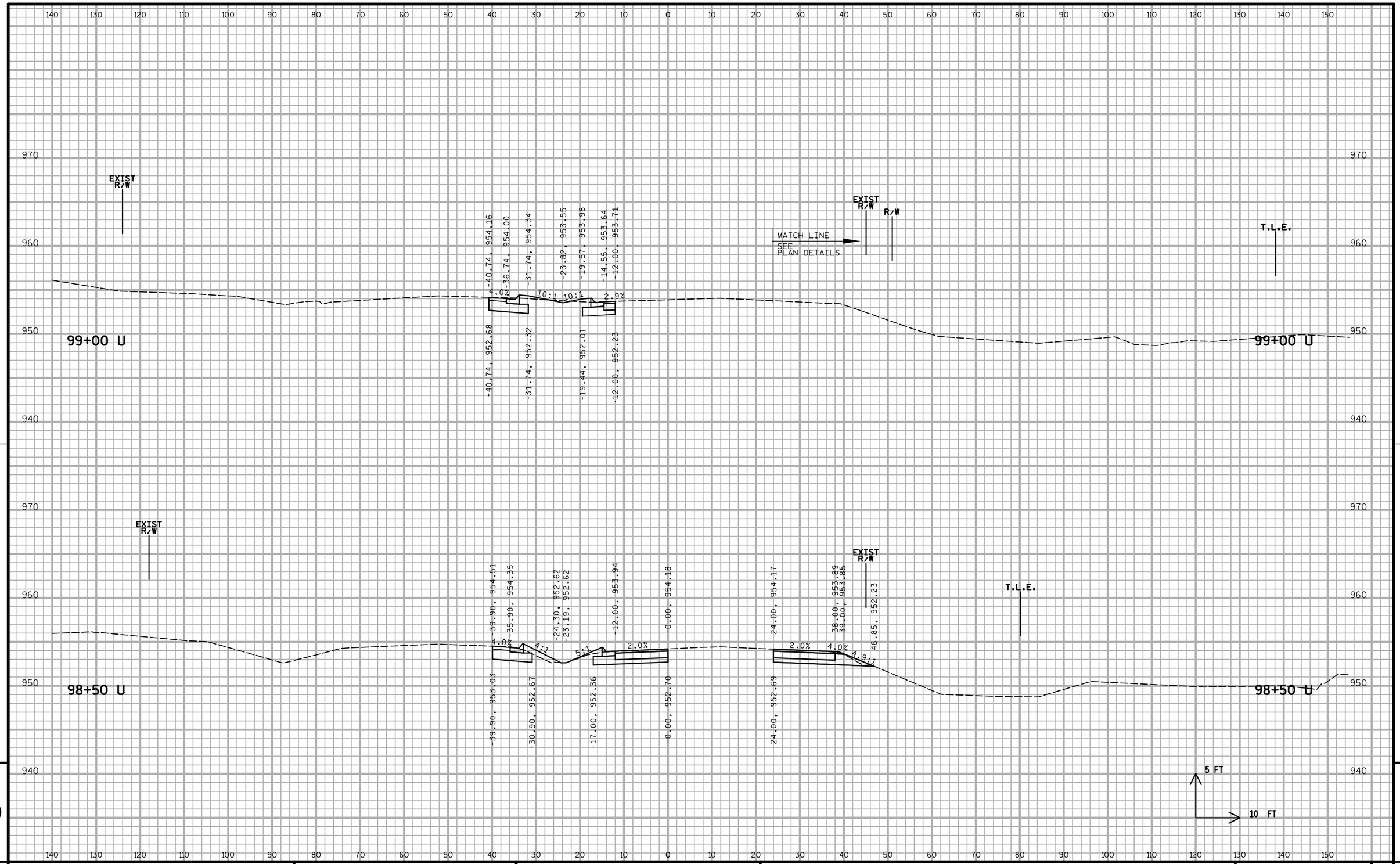
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-33.36, 955.12
-28.36, 955.46
-22.26, 953.94
-17.00, 954.83
-12.00, 954.49
-0.00, 954.73
24.00, 954.89
38.00, 954.61
39.00, 954.57
60.89, 949.10
T.L.E.
4.0%
4:1
6:1
2.0%
-37.36, 953.80
-28.36, 953.44
-17.00, 952.91
-0.00, 953.25
-24.00, 953.41
45.34, 952.98
97+00 U
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5 FT
10 FT

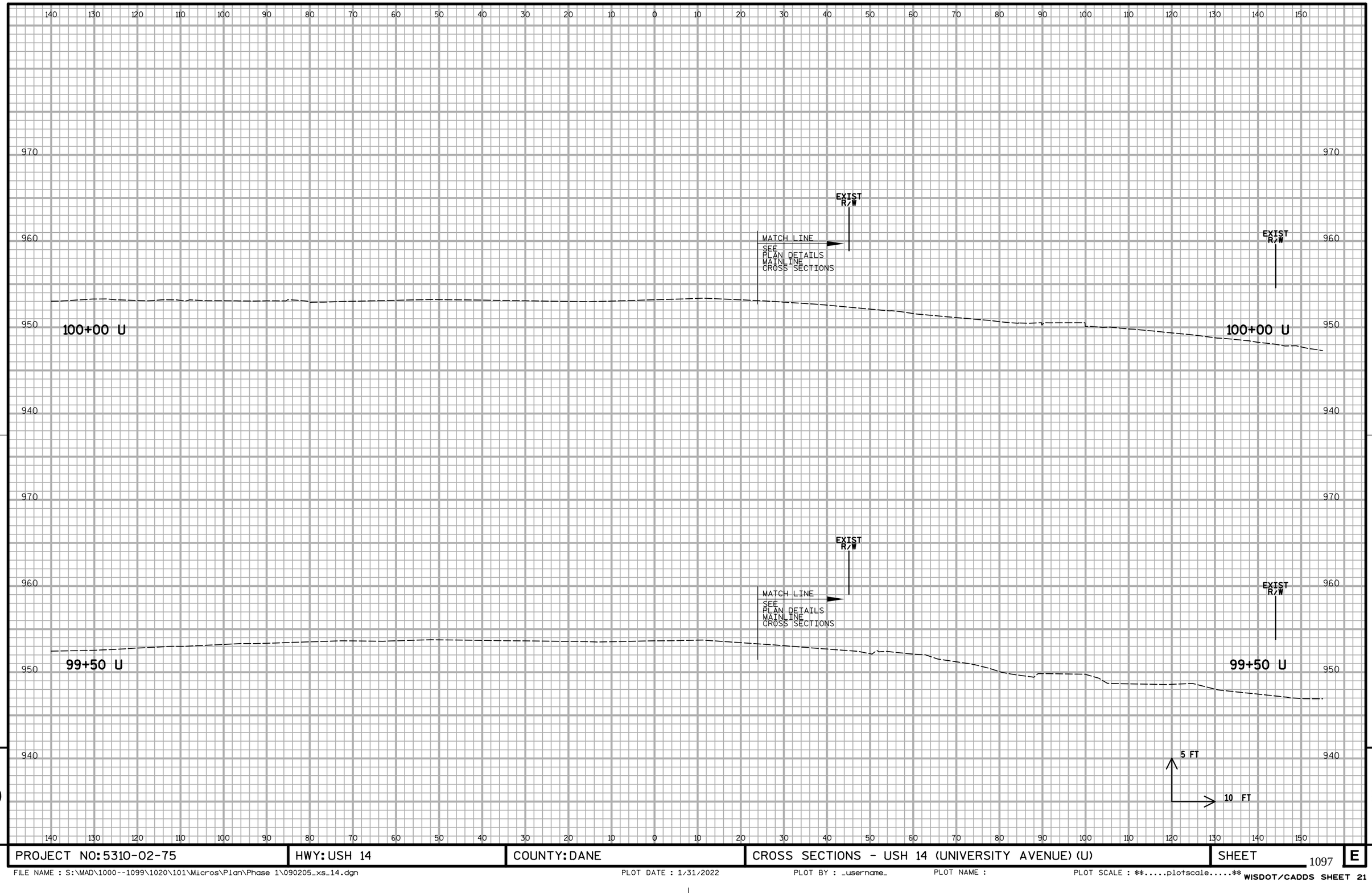


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PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS - USH 14 (UNIVERSITY AVENUE) (U)	SHEET 1095	E



PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS - USH 14 (UNIVERSITY AVENUE) (U)	SHEET 1096	E

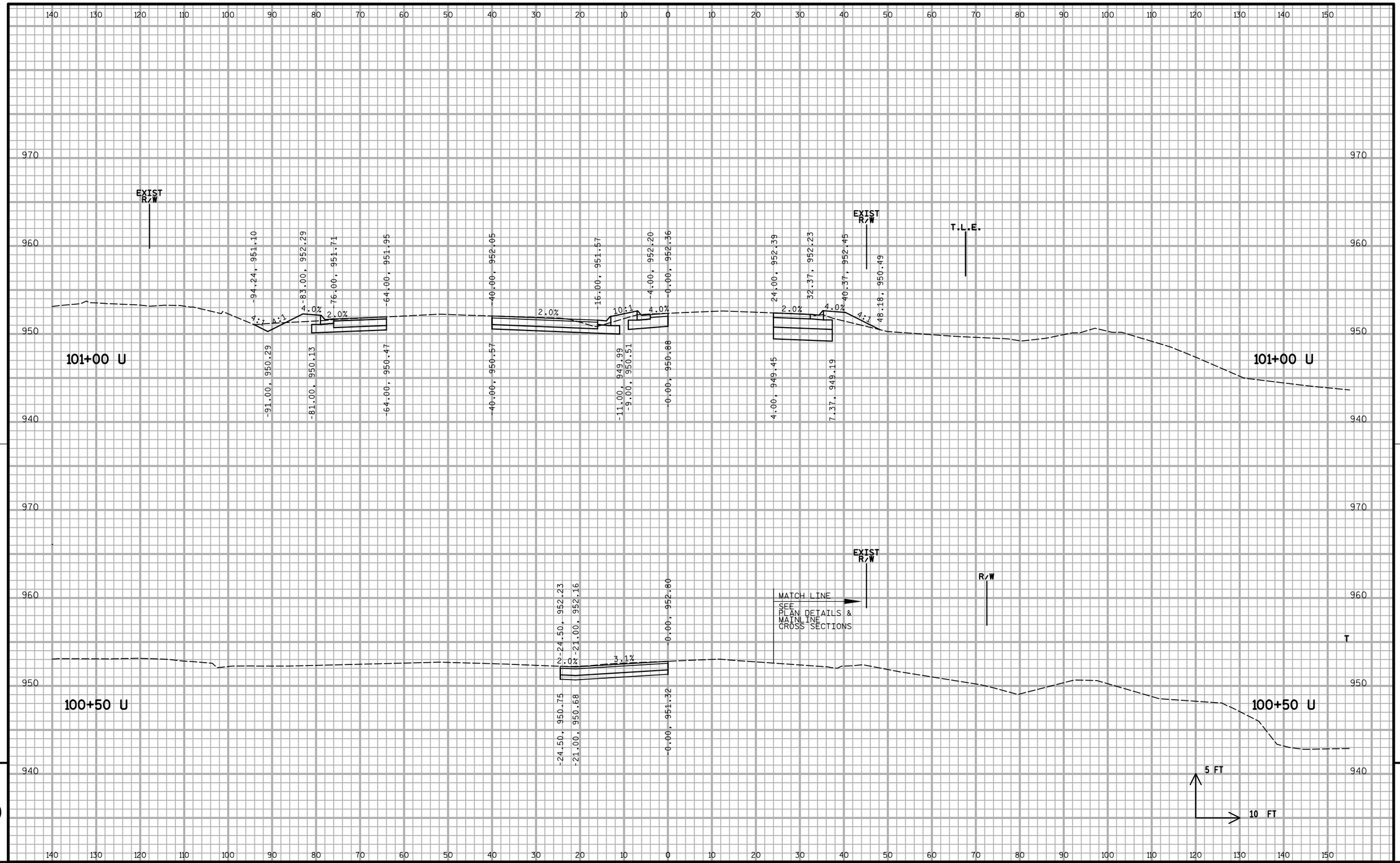


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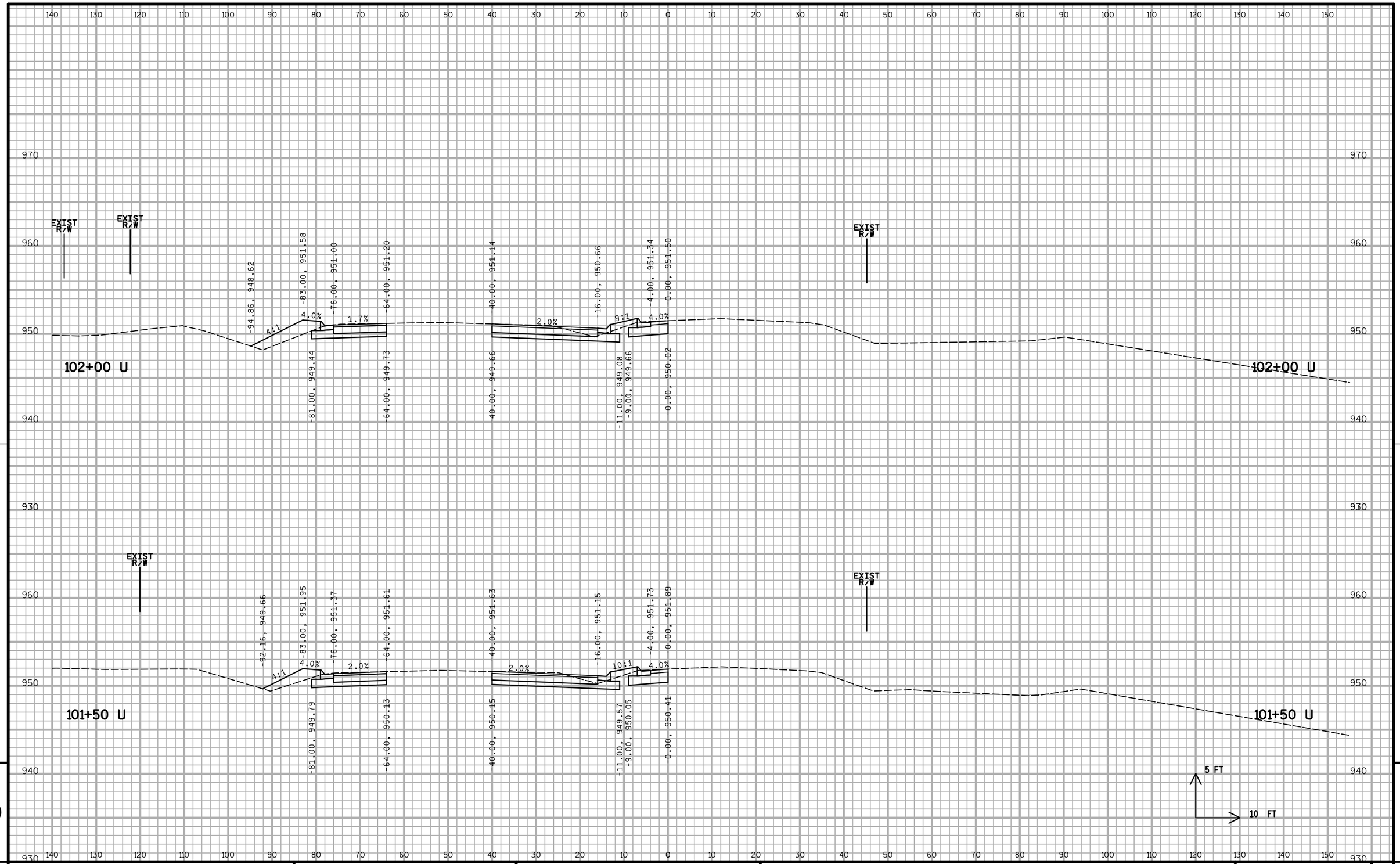
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FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090205_xs_14.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS - USH 14 (UNIVERSITY AVENUE) (U)	SHEET 1098	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090205_xs_14.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

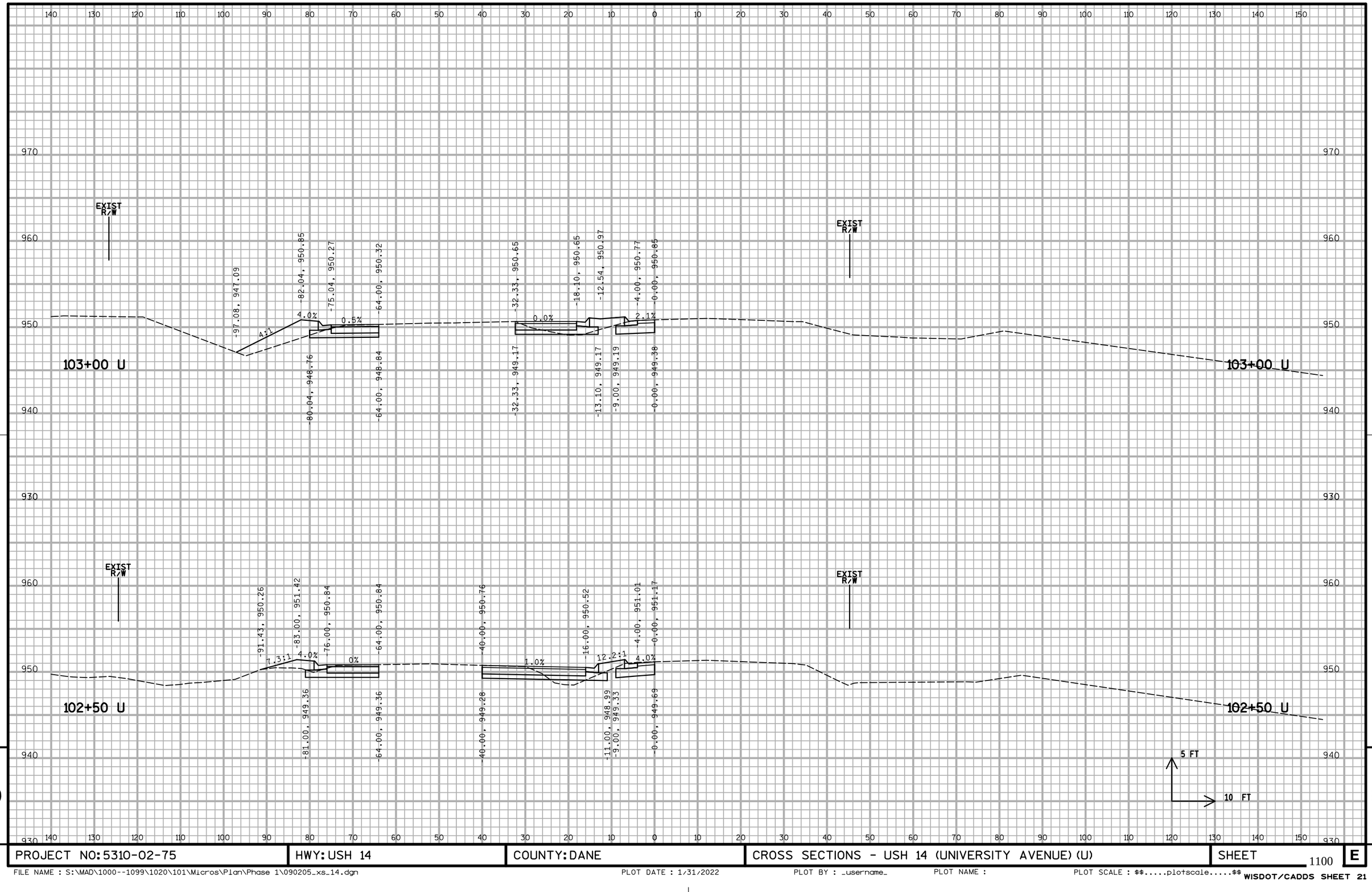


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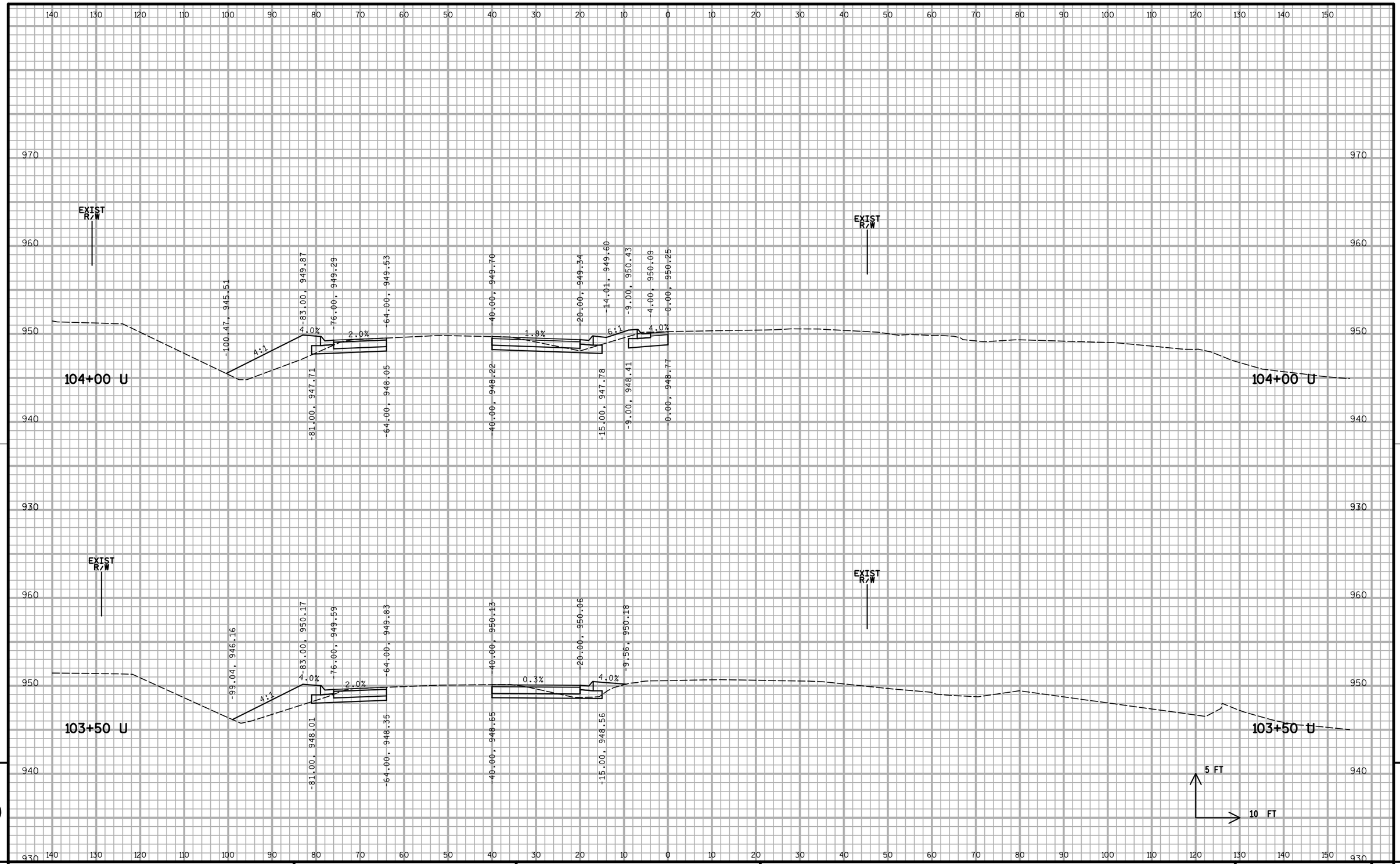
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PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS - USH 14 (UNIVERSITY AVENUE) (U)	SHEET 1099	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090205_xs_14.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

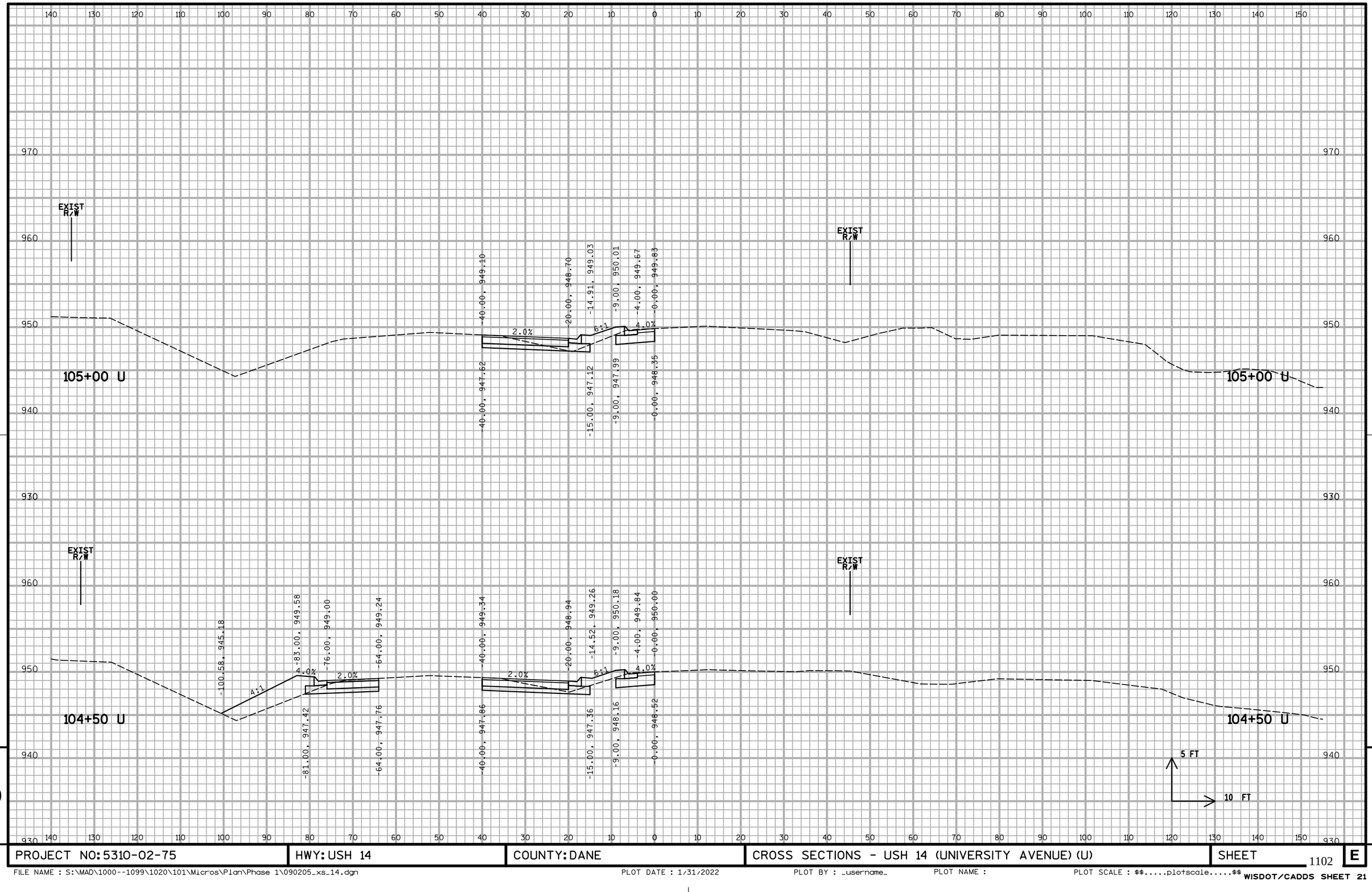


PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS - USH 14 (UNIVERSITY AVENUE) (U)	SHEET 1100	E



PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS - USH 14 (UNIVERSITY AVENUE) (U)	SHEET 1101	E

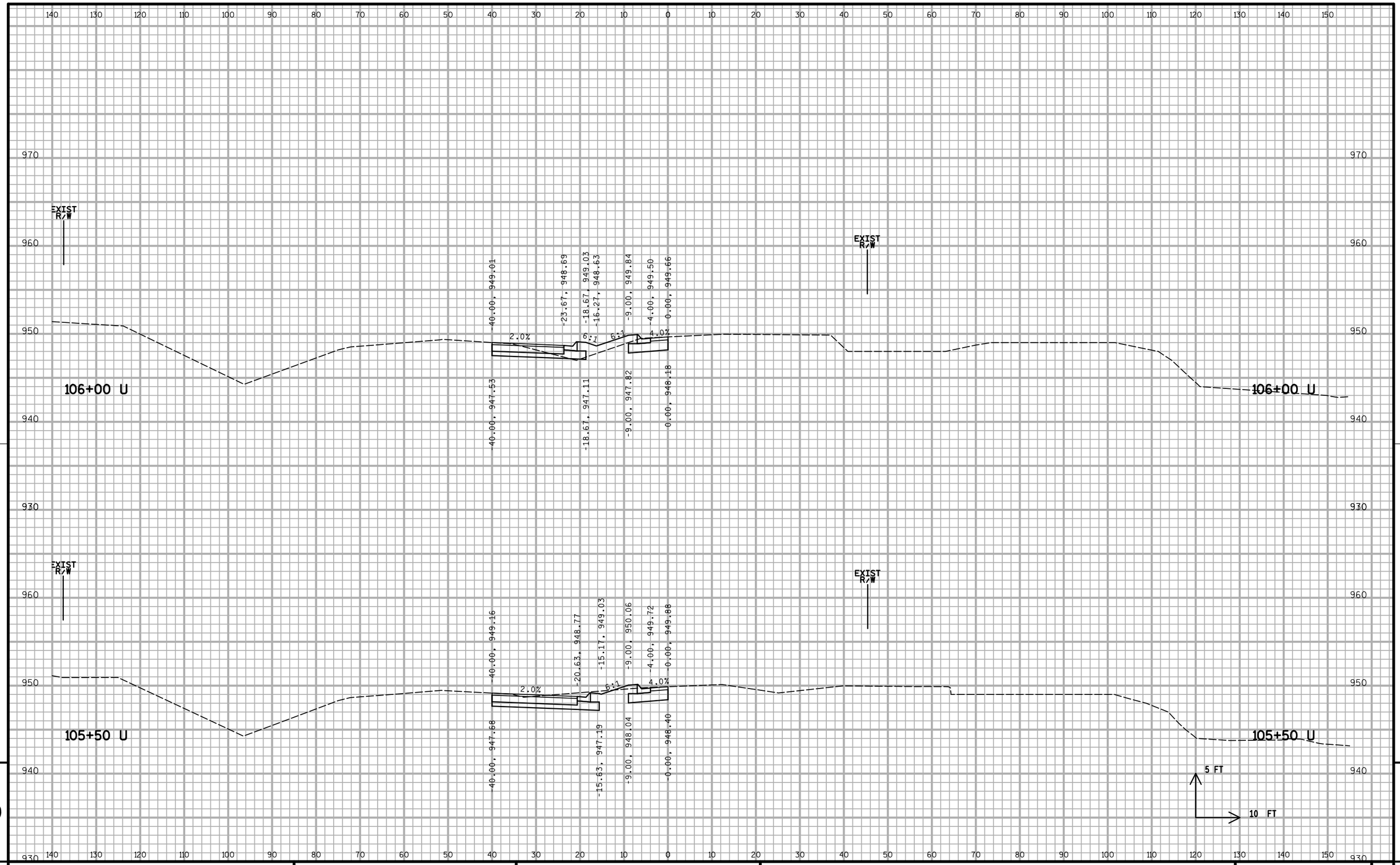
FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090205_xs_14.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



9

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PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS - USH 14 (UNIVERSITY AVENUE) (U)	SHEET 1102 E

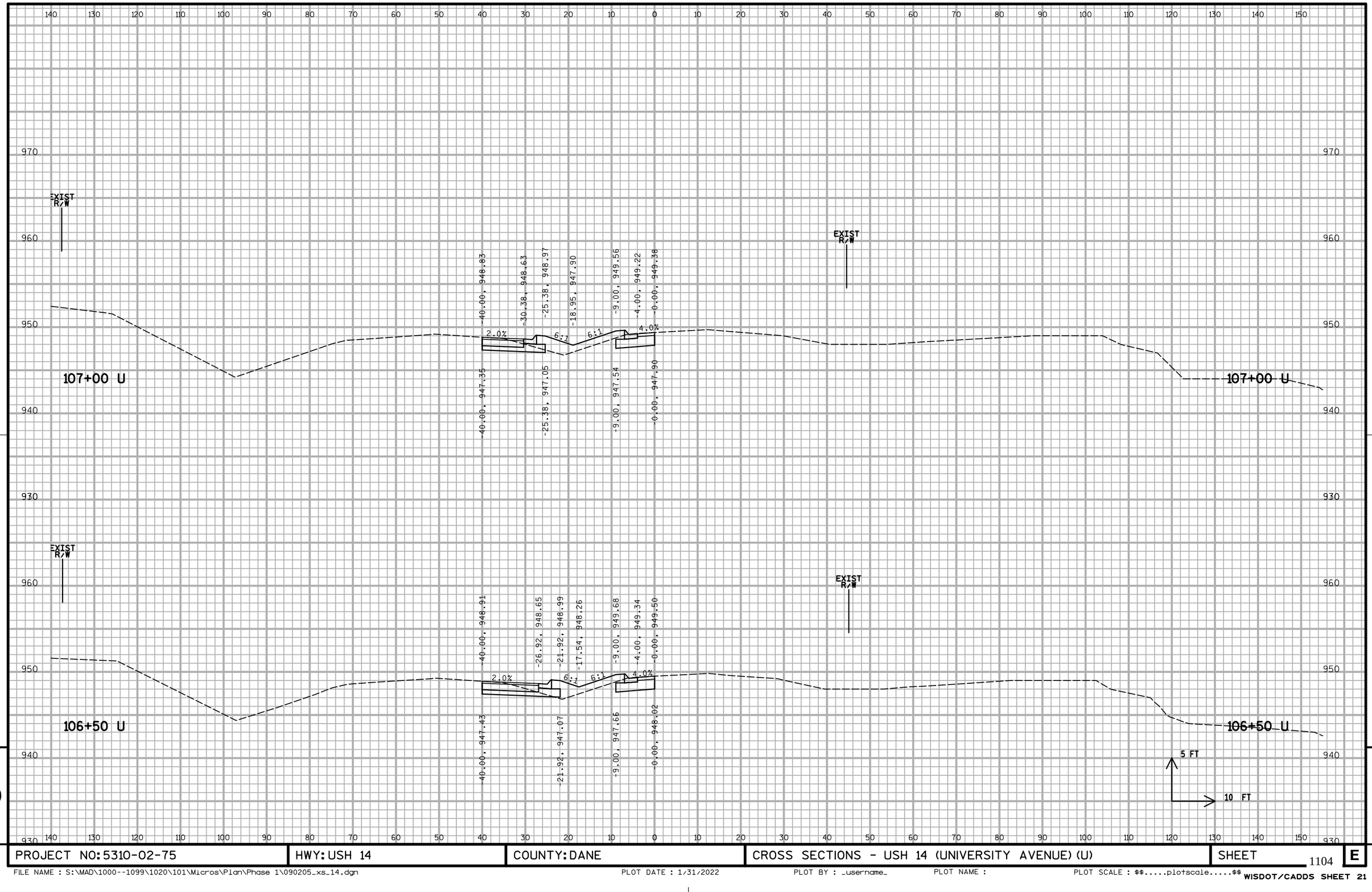


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PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS - USH 14 (UNIVERSITY AVENUE) (U)	SHEET 1103	E

9

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090205_xs_14.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



9

9

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS - USH 14 (UNIVERSITY AVENUE) (U)	SHEET 1104	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090205_xs_14.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

END CONSTRUCTION 108+25.51 U

EXIST R/W

108+00 U

-40.00, 948.63
-36.00, 948.55
-35.00, 948.51
-21.89, 946.68
2.0%
7:1
-40.00, 947.15

EXIST R/W

108+00 U

EXIST R/W

107+50 U

-40.00, 948.74
-34.05, 948.62
-29.05, 948.96
-18.62, 947.22
2.0%
6:1
-40.00, 947.26
-29.05, 947.04

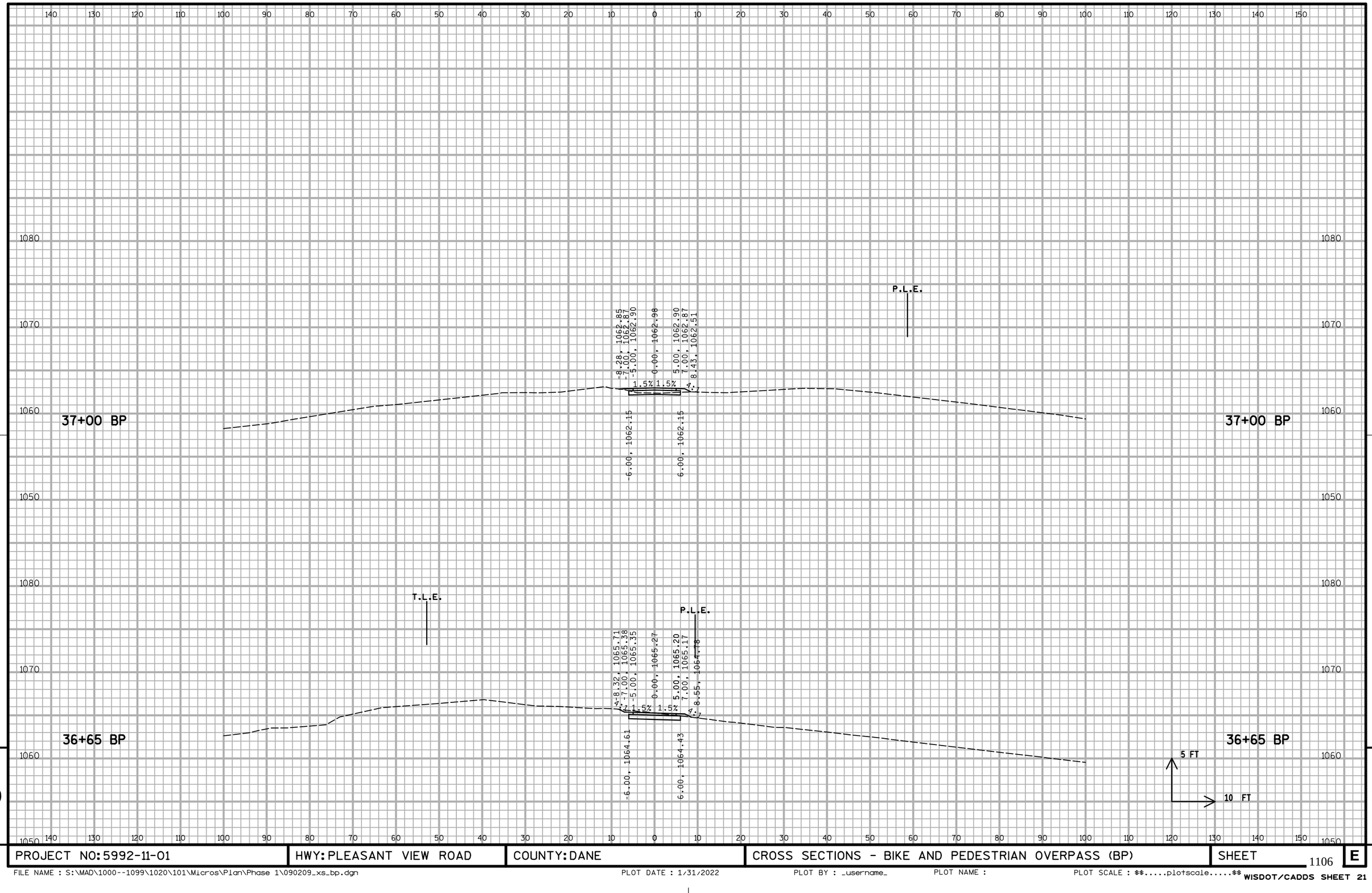
EXIST R/W

107+50 U

5 FT
10 FT

PROJECT NO: 5310-02-75	HWY: USH 14	COUNTY: DANE	CROSS SECTIONS - USH 14 (UNIVERSITY AVENUE) (U)	SHEET 1105 E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090205_xs_14.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



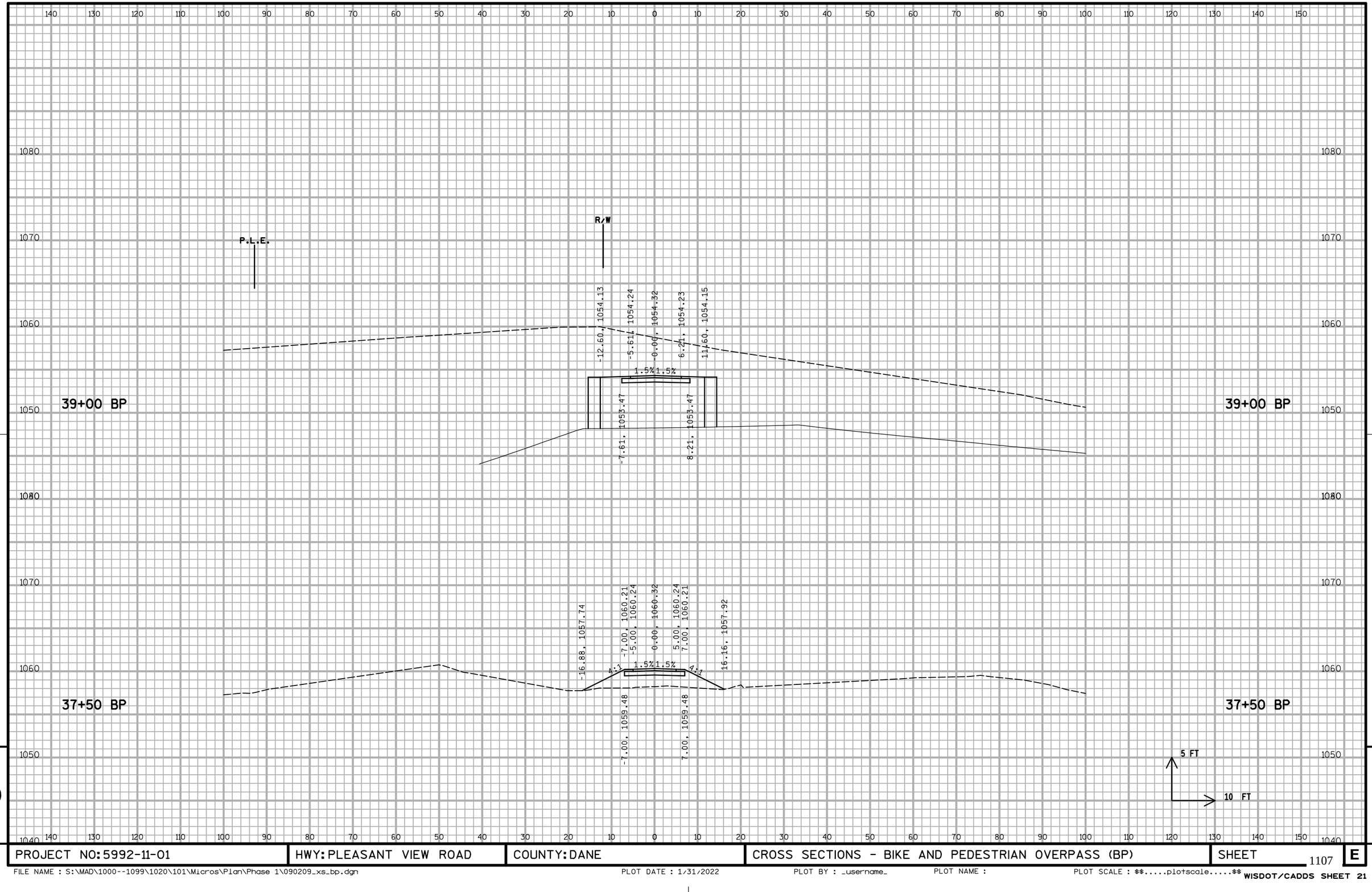
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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BIKE AND PEDESTRIAN OVERPASS (BP)	SHEET 1106 E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090209_xs_bp.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

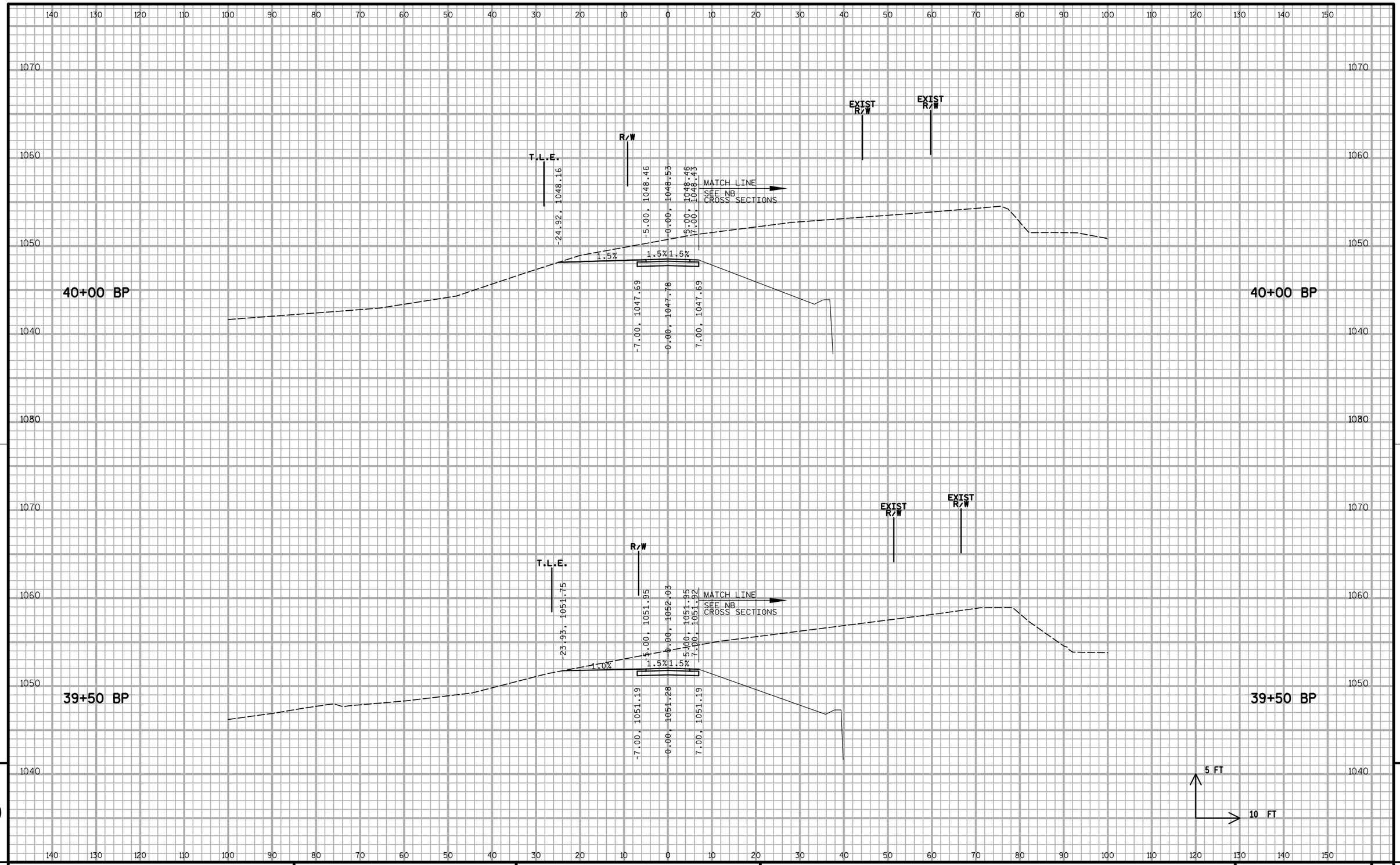
WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BIKE AND PEDESTRIAN OVERPASS (BP)	SHEET 1107	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090209_xs_bp.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

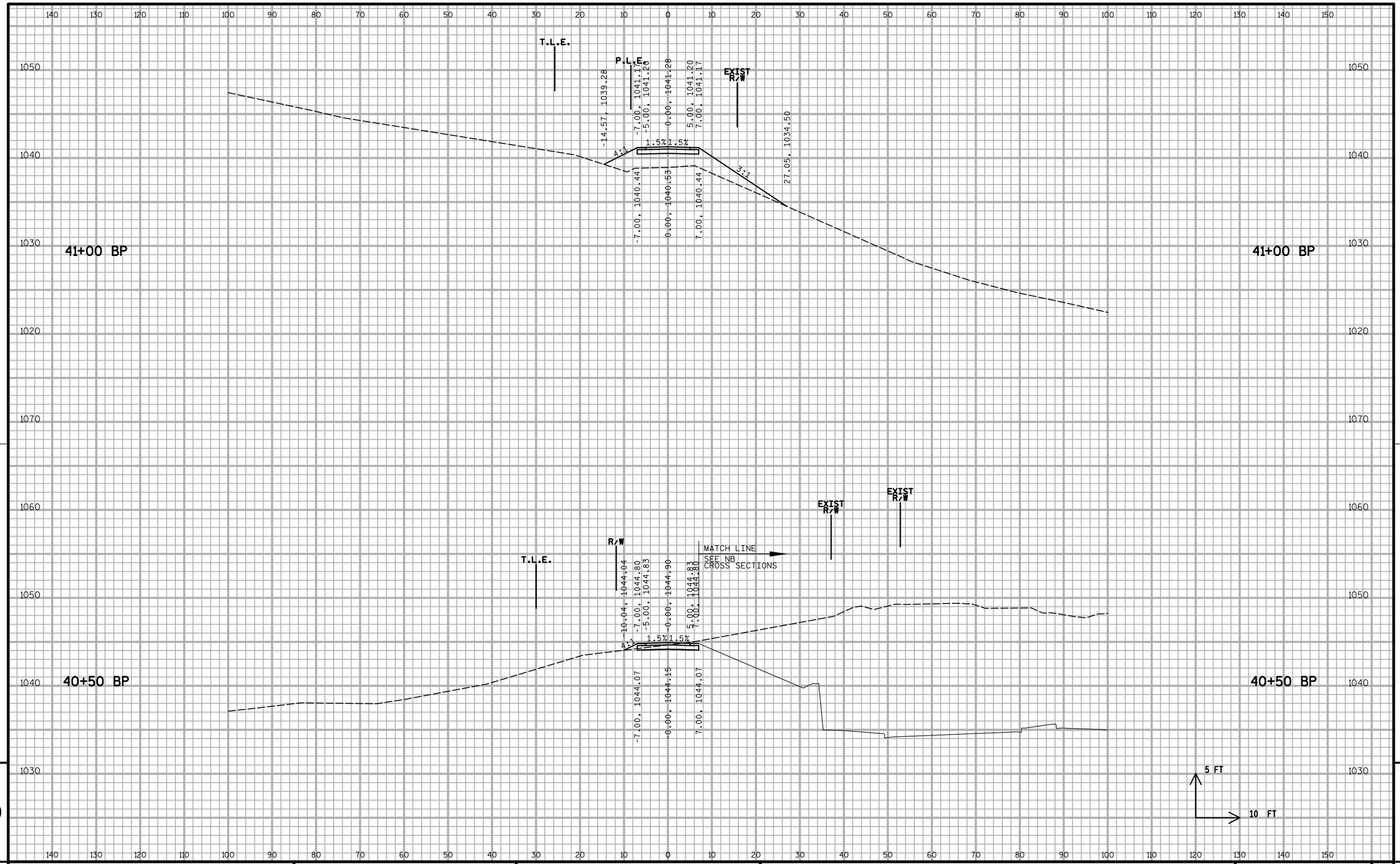


9

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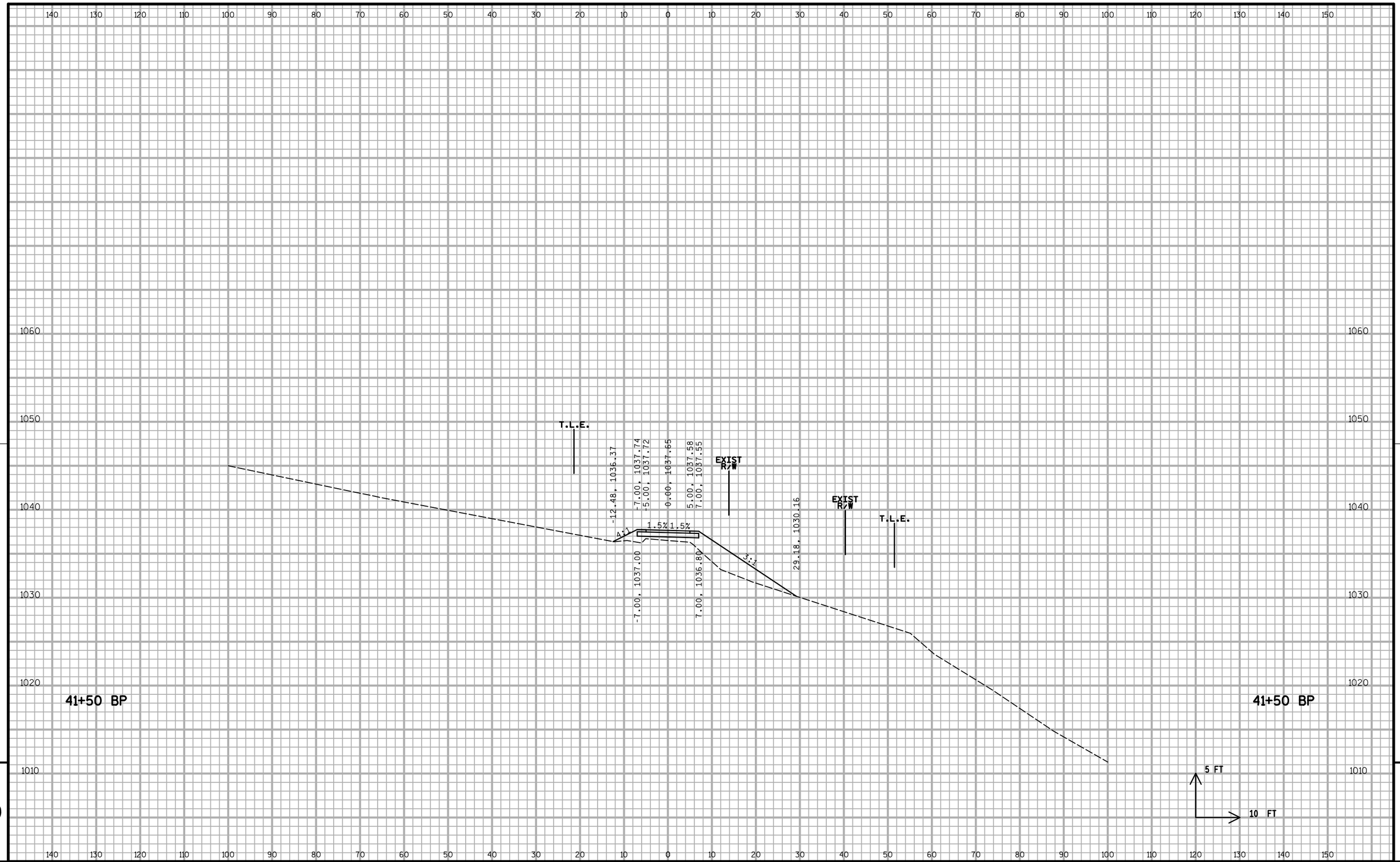
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BIKE AND PEDESTRIAN OVERPASS (BP)	SHEET 1108	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090209_xs_bp.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BIKE AND PEDESTRIAN OVERPASS (BP)	SHEET 1109	E

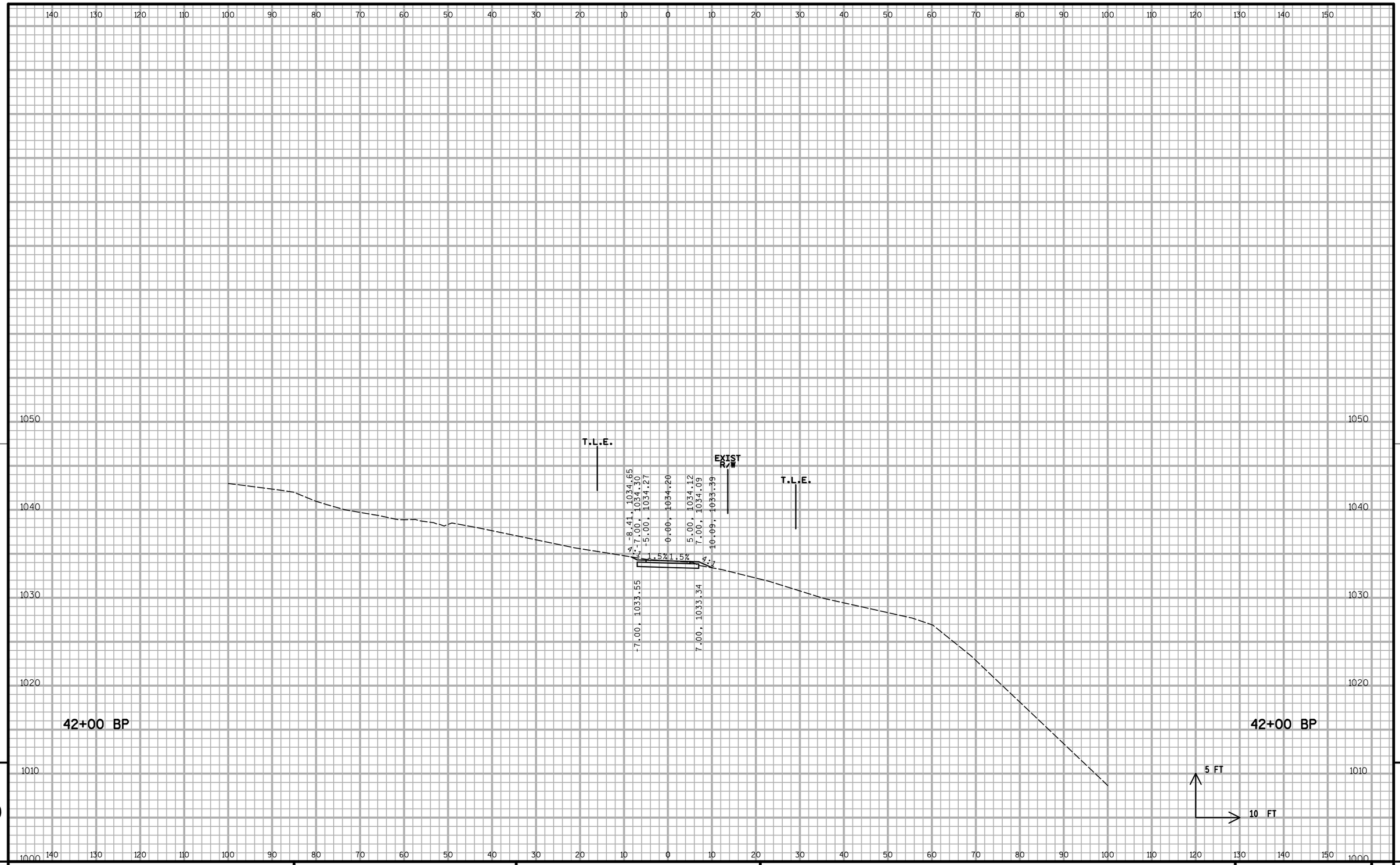
FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090209_xs_bp.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BIKE AND PEDESTRIAN OVERPASS (BP)	SHEET 1110	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090209_xs_bp.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



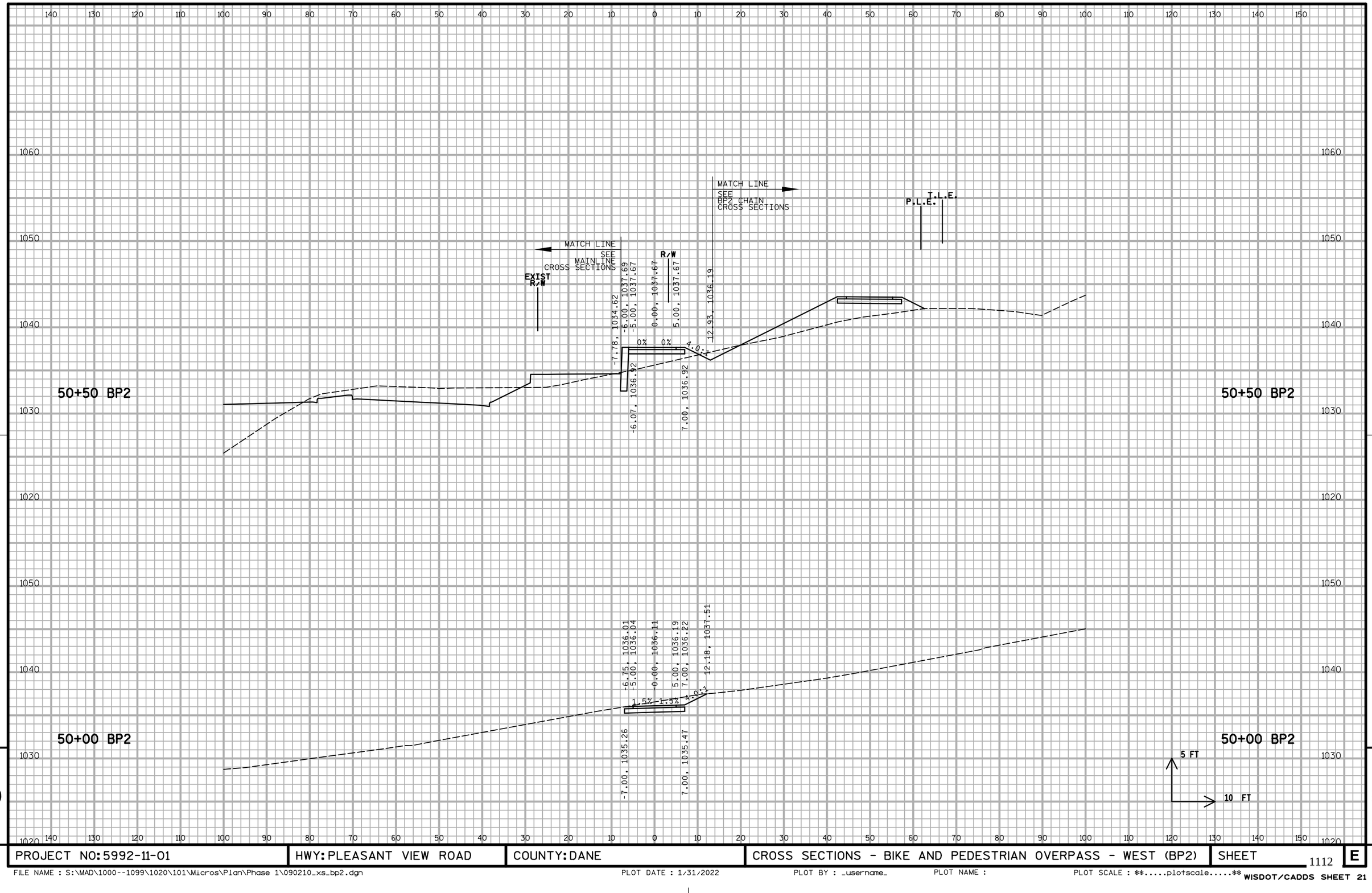
9

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PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BIKE AND PEDESTRIAN OVERPASS (BP)	SHEET 1111	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090209_xs_bp.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

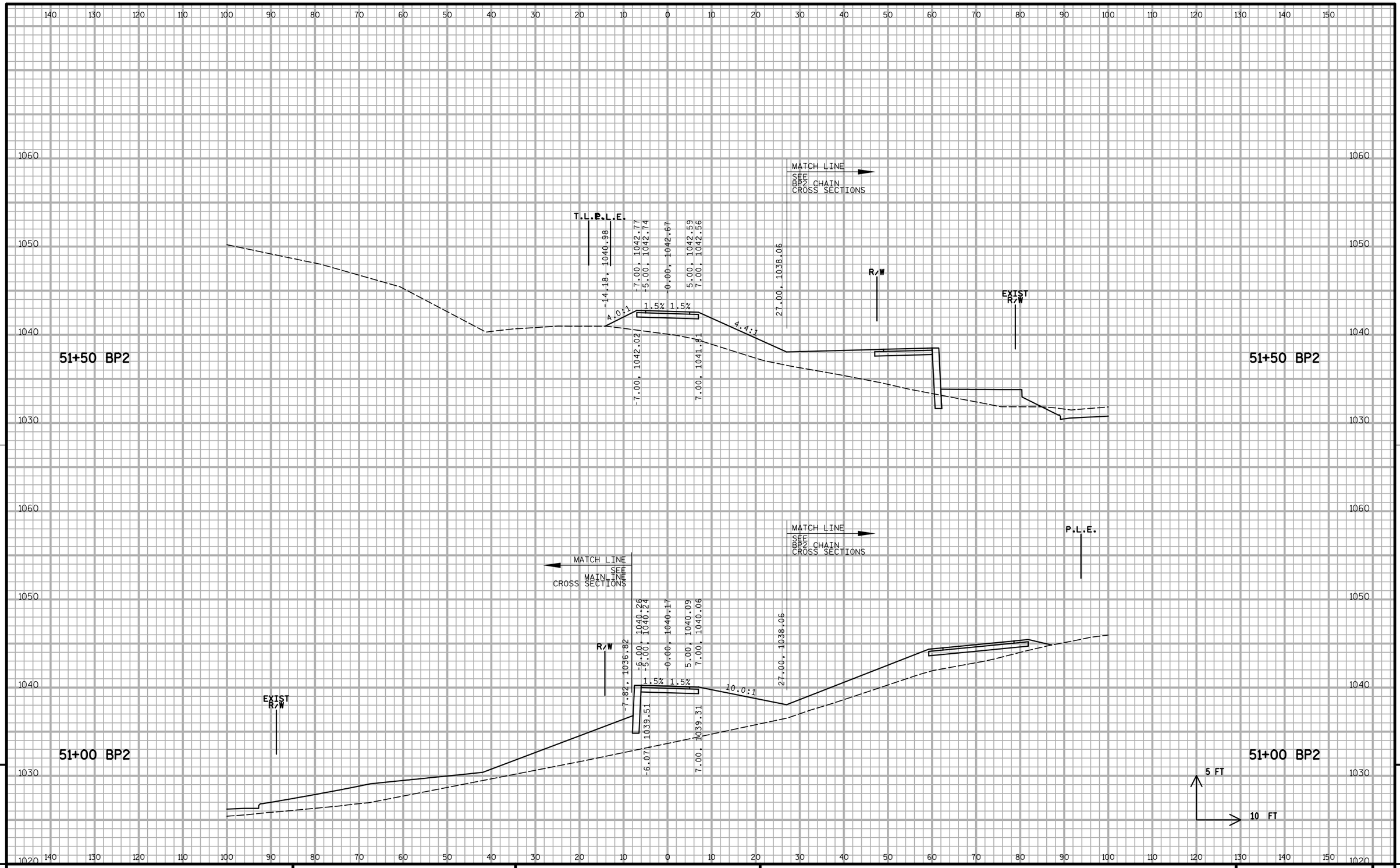
WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BIKE AND PEDESTRIAN OVERPASS - WEST (BP2)	SHEET 1112 E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090210_xs_bp2.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



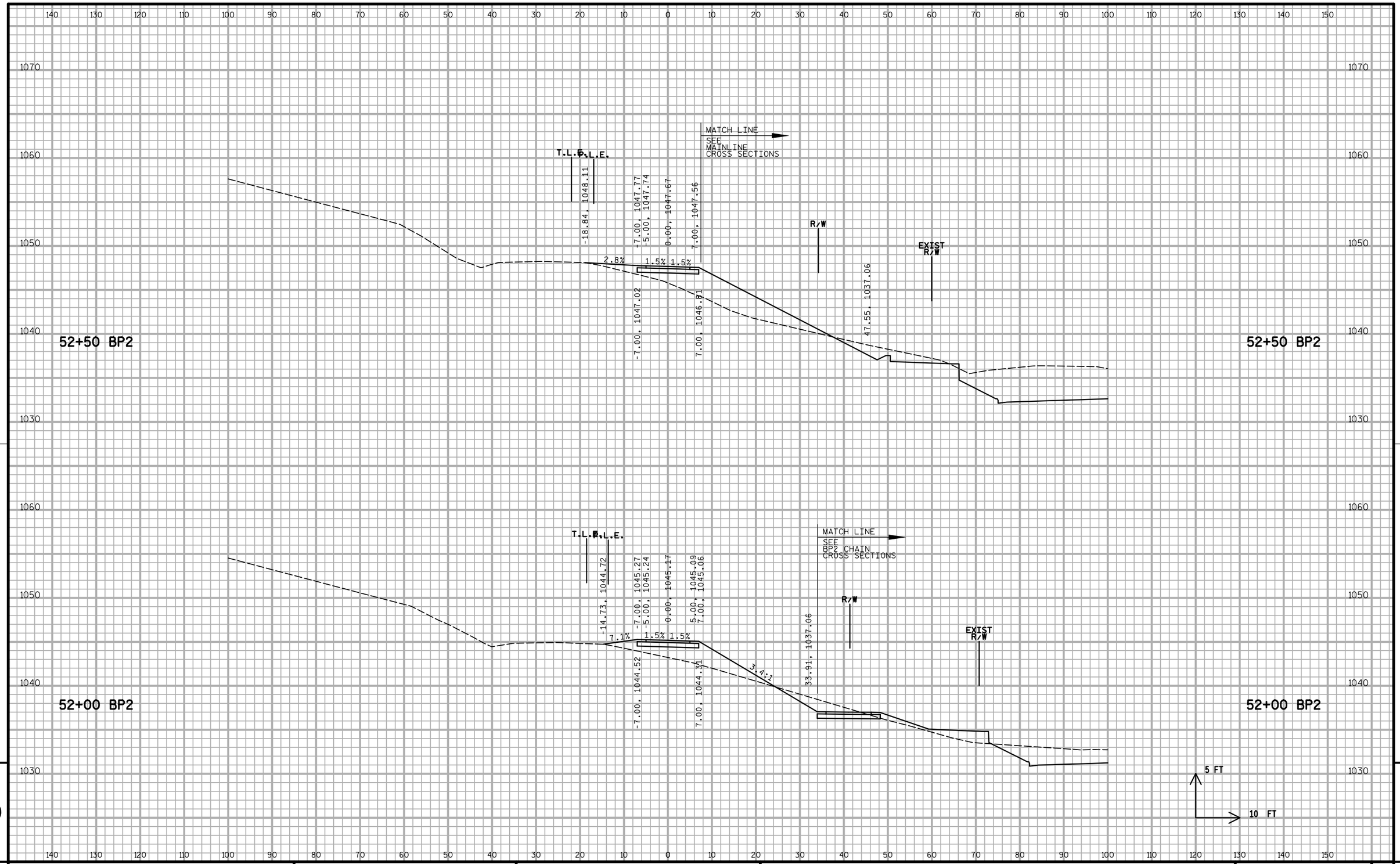
9

9

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BIKE AND PEDESTRIAN OVERPASS - WEST (BP2)	SHEET 1113	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090210_xs_bp2.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BIKE AND PEDESTRIAN OVERPASS - WEST (BP2)	SHEET 1114	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090210_xs_bp2.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

1070

MATCH LINE
SEE
MAINLINE
CROSS SECTIONS

P.L.E.

-13.52, 1050.37
-7.00, 1050.27
-5.00, 1050.24
0.00, 1050.17
5.00, 1050.09
7.00, 1050.06

R/W

EXIST
R/W

1.5% 1.5%

-7.00, 1049.52
7.00, 1049.61

1060
1050
1040
1030

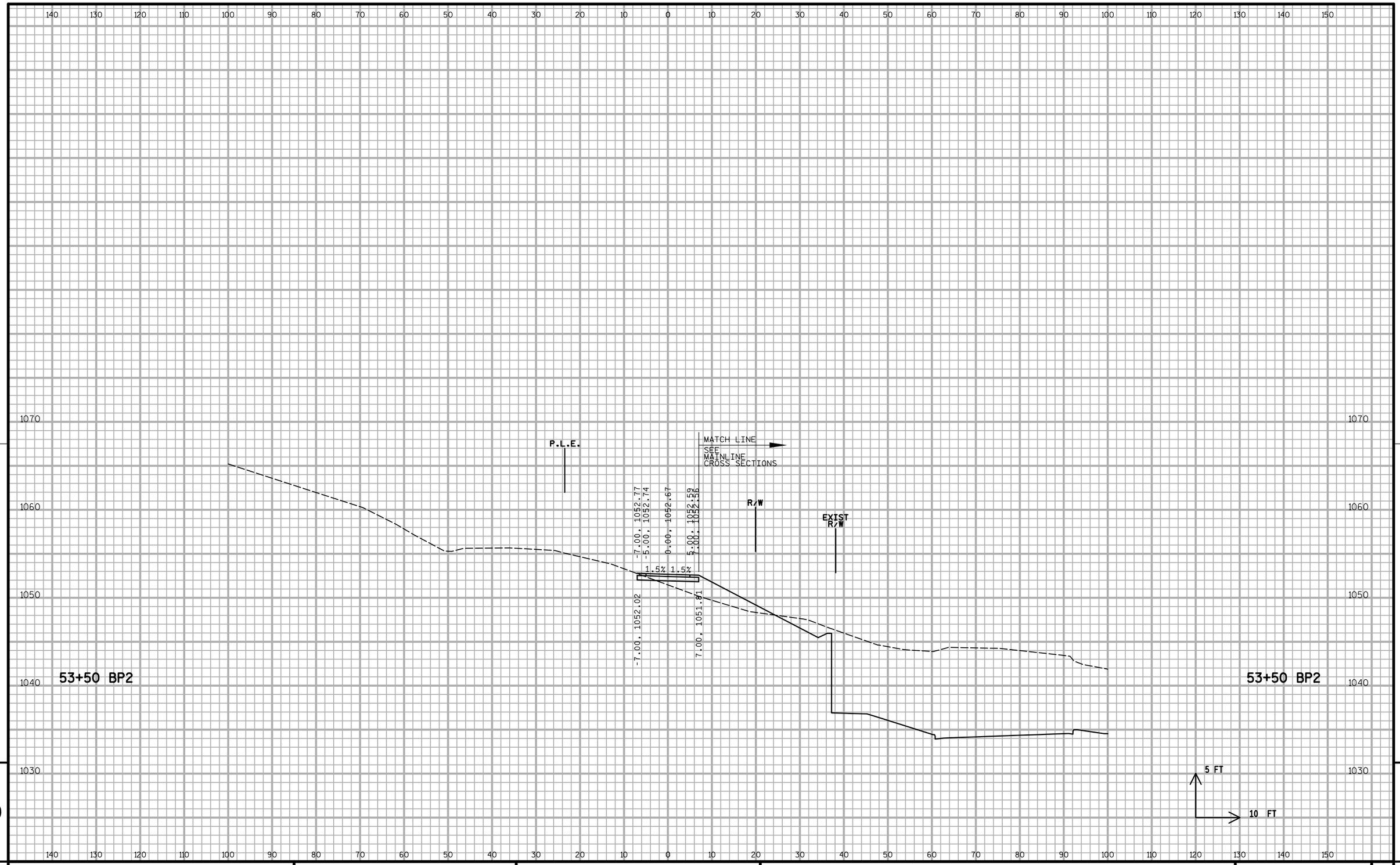
53+00 BP2

5 FT
10 FT

9

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BIKE AND PEDESTRIAN OVERPASS - WEST (BP2)	SHEET 1115	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090210_xs_bp2.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

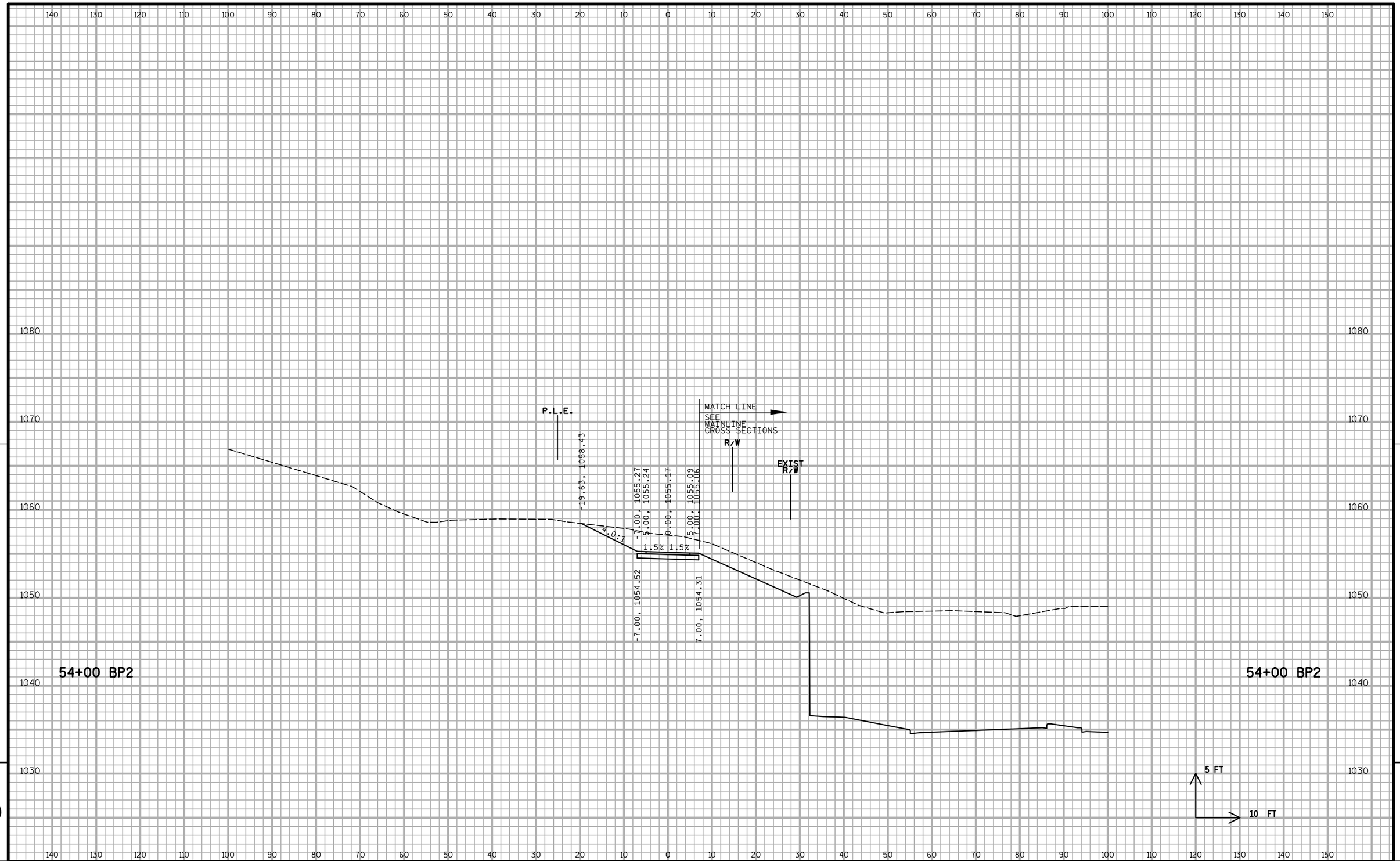


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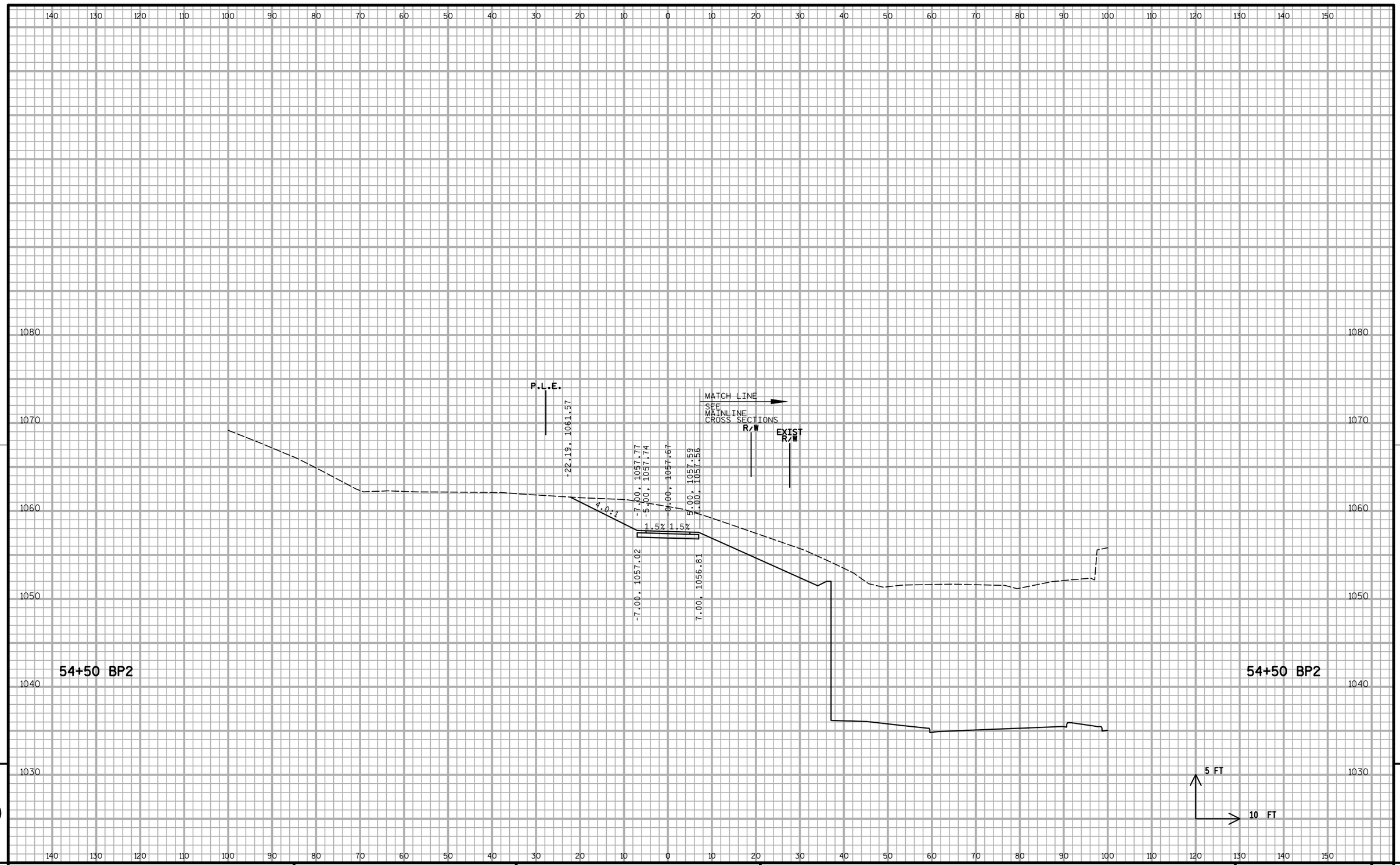
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BIKE AND PEDESTRIAN OVERPASS - WEST (BP2)	SHEET 1116	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090210_xs_bp2.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



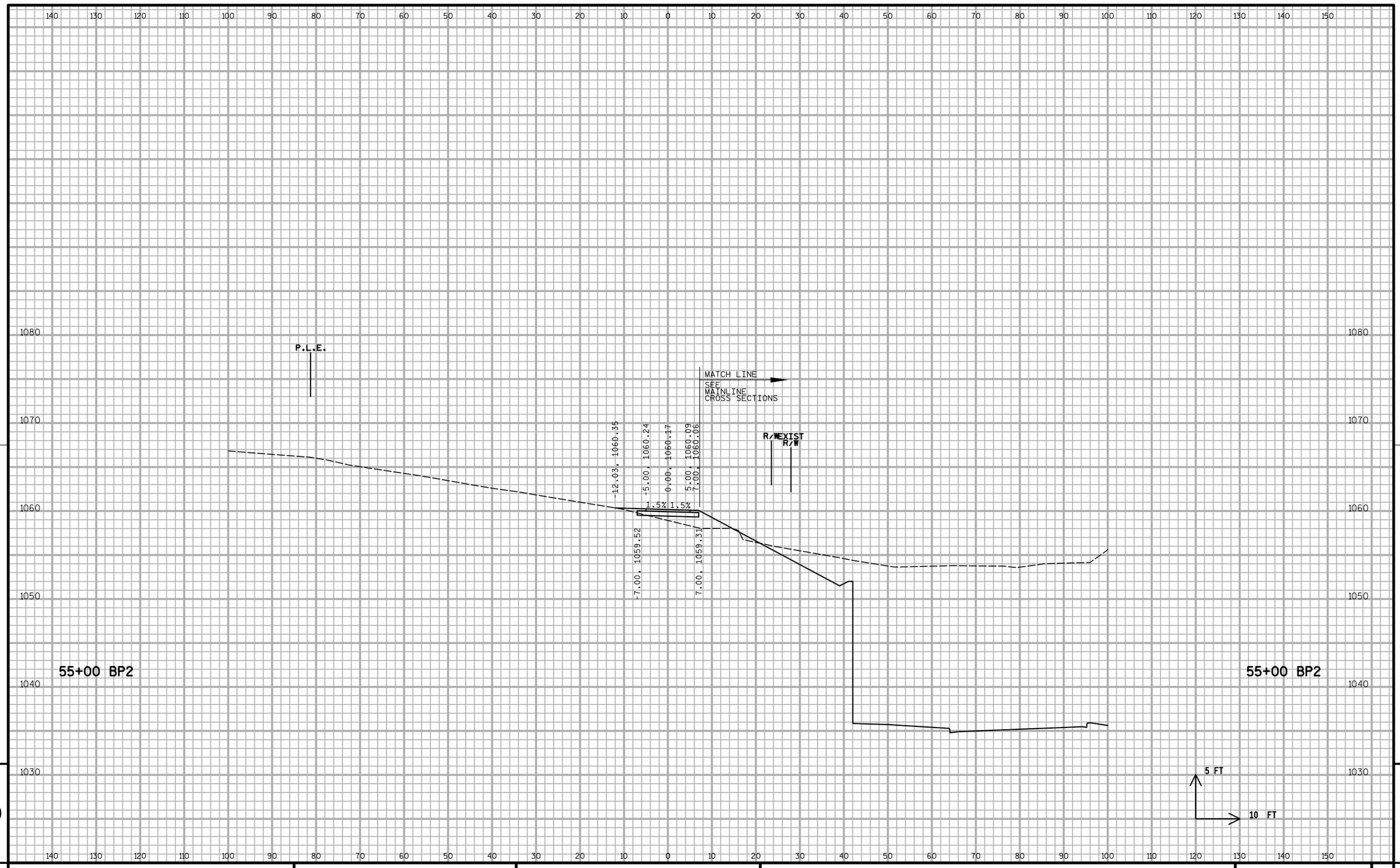
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BIKE AND PEDESTRIAN OVERPASS - WEST (BP2)	SHEET 1117	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090210_xs_bp2.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BIKE AND PEDESTRIAN OVERPASS - WEST (BP2)	SHEET 1118	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090210_xs_bp2.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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9

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - BIKE AND PEDESTRIAN OVERPASS - WEST (BP2)	SHEET 1119	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090210_xs_bp2.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

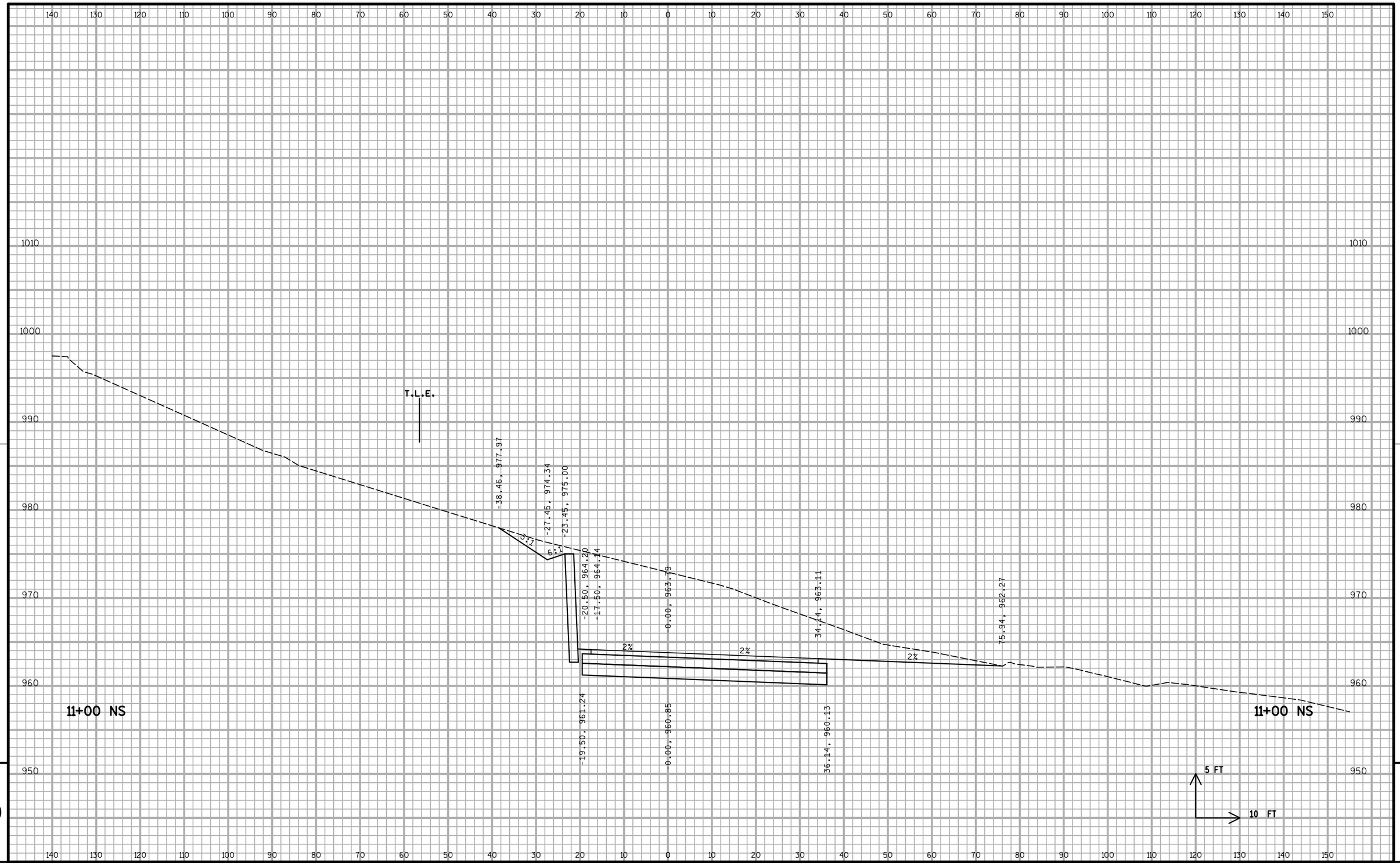


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9

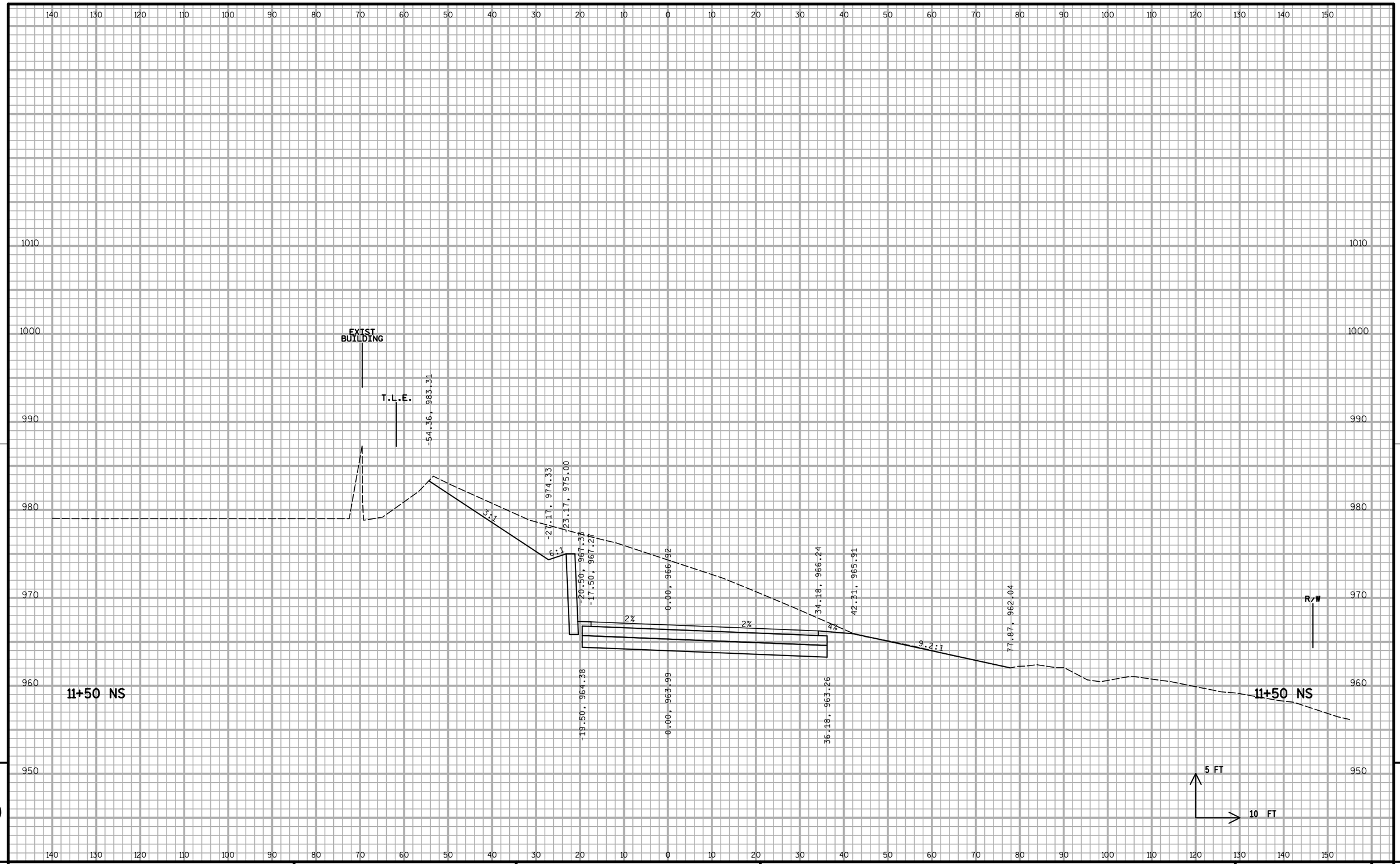
PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - NORTHWESTERN STONE DRIVEWAY (NS)	SHEET 1120 E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090211_xs_nws.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

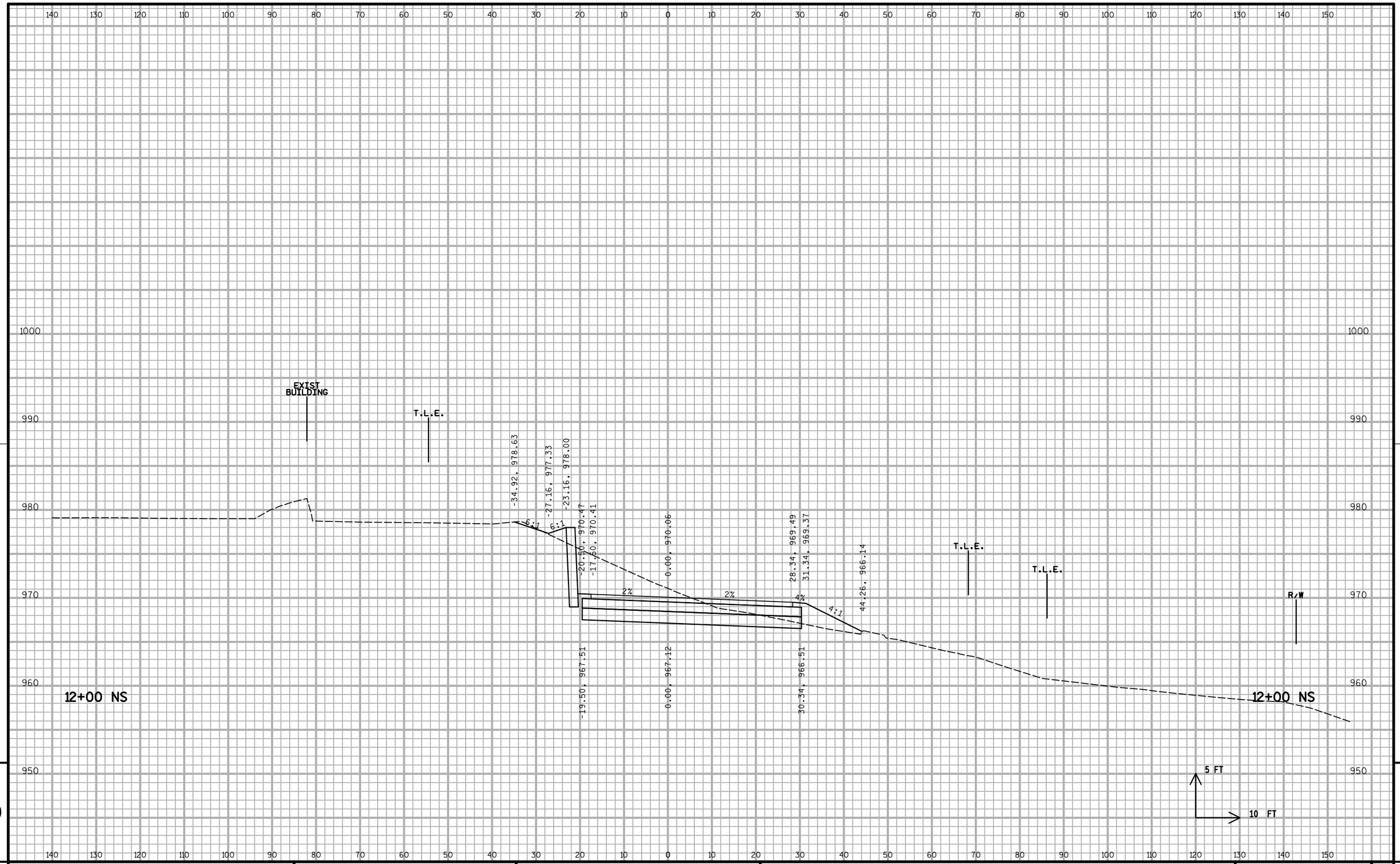


PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - NORTHWESTERN STONE DRIVEWAY (NS)	SHEET 1121	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090211_xs_nws.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

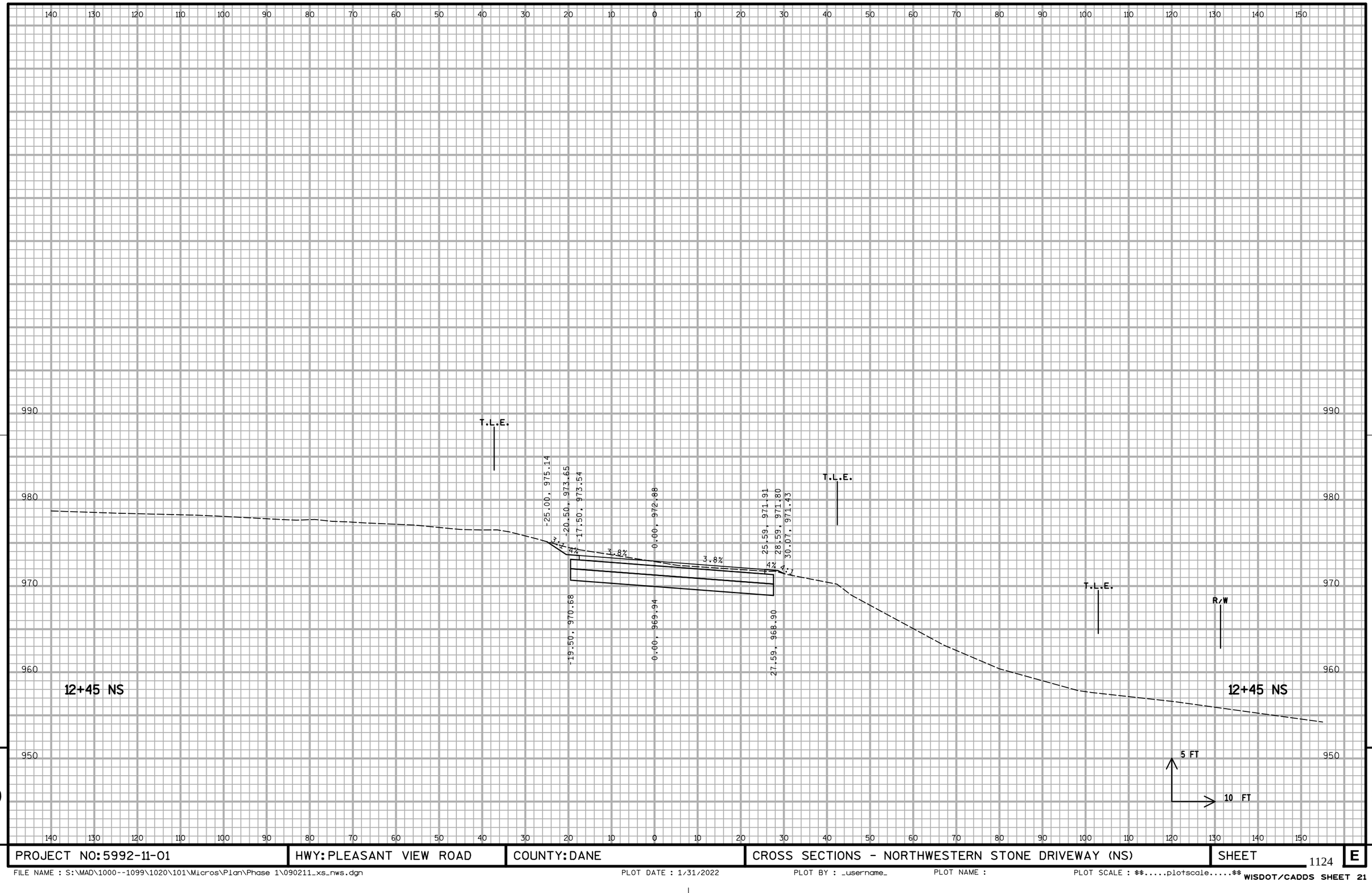


PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - NORTHWESTERN STONE DRIVEWAY (NS)	SHEET 1122	E



9 9

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - NORTHWESTERN STONE DRIVEWAY (NS)	SHEET 1123	E



9 9

PROJECT NO: 5992-11-01	HWY: PLEASANT VIEW ROAD	COUNTY: DANE	CROSS SECTIONS - NORTHWESTERN STONE DRIVEWAY (NS)	SHEET 1124	E

FILE NAME : S:\MAD\1000--1099\1020\101\Micros\Plan\Phase 1\090211_xs_nws.dgn PLOT DATE : 1/31/2022 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

Notes

Wisconsin Department of Transportation

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through innovation and exceptional service.

http://www.dot.wisconsin.gov