MAD

PROJECT ID: 5992-10-16/17/18

COUNTY: DANE

DECEMBER 2022

ORDER OF SHEETS

Section No. 1 Title
Section No. 2 Typical Sections and Details (Includes Erosion Control)
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 = 670

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

CITY OF MADISON, ATWOOD AVENUE

(FAIR OAKS AVENUE TO COTTAGE GROVE ROAD)

LOCAL STREET

DANE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5992-10-16	WISC 2023094	1
5992-10-17	WISC 2023095	1
5992-10-18	———	—

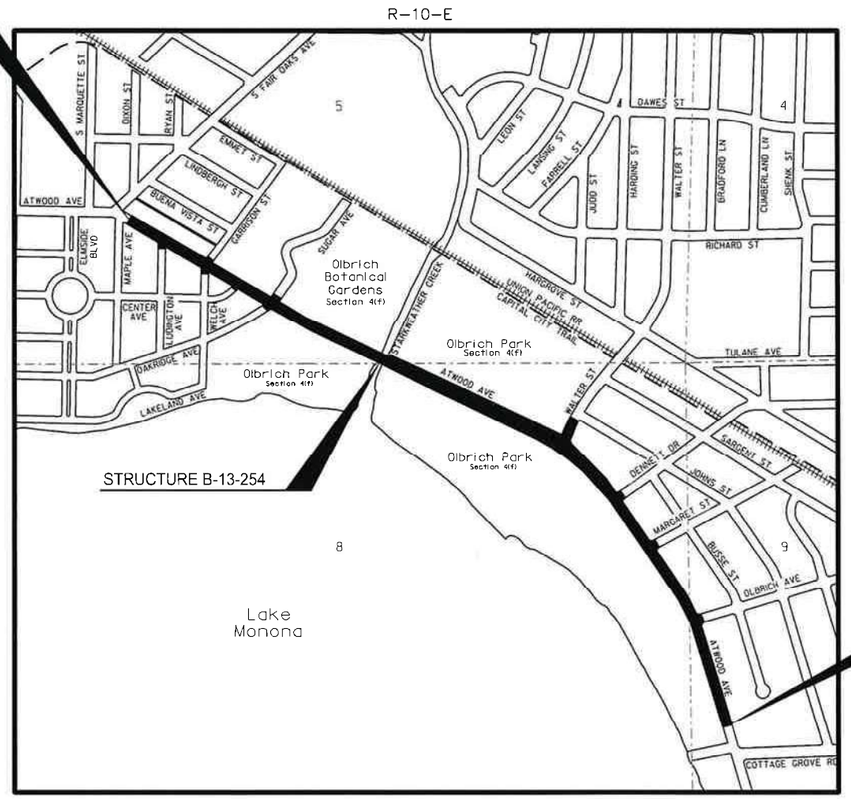
STATE PROJECT NUMBER	STATE PROJECT NUMBER	STATE PROJECT NUMBER
5992-10-16	5992-10-17	5992-10-18
(ROADWAY)	(MULTI-USE PATH)	(SANITARY SEWER & WATERMAIN)

N

T-7-N

R-10-E

BEGIN PROJECT 5992-10-16
STA. 12+75.00
Y= 489,752.48
X= 832,814.03



STRUCTURE B-13-254

END PROJECT 5992-10-16
STA. 68+10.66
Y= 486,370.61
X= 836,893.89

LAYOUT
SCALE 0 1,000 FT.

TOTAL NET LENGTH OF CENTERLINE = 1.048

DESIGN DESIGNATION 5992-10-16

A.A.D.T.	(2023)	= 17,800
A.A.D.T.	(2043)	= 18,950
D.H.V.		= 2,085
D.D.		= 59/41
T.		= 4.7%
DESIGN SPEED		= 35 MPH
ESALS		= 1,600,000

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 (300'ER)
- 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

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83 (2007), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2007).

ACCEPTED FOR
CITY OF MADISON

Sep 14, 2022 /E/ Greg Fries
(Date) City Engineer

STREET PROJECT APPROVED
_____ BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

ORIGINAL PLANS PREPARED BY

MSA
1702 Pankratz Street, Madison, WI 53704
608-242-7779 1-800-446-0679 Fax. 608-242-5664

WISCONSIN
JAIME L KURTEN-CHMIELEWSKI
E-42403
MADISON
WI
PROFESSIONAL ENGINEER

DATE 8-29-2022 Jaime Kurten
(Professional Engineer)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY
- Surveyor: MSA PROFESSIONAL SERVICES, INC.
- Designer: MSA PROFESSIONAL SERVICES, INC.
- Regional Examiner: LORRAINE BETZEL
- Regional Supervisor: KYLE HEMP

APPROVED FOR THE DEPARTMENT
DATE: 9-23-22 Lorraine Betzel
(Signature)

E

GENERAL NOTES

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 BY CONTACTING DIGGERS HOTLINE OR THE UTILITY DIRECTLY FOR THOSE THAT HAVE FACILITIES IN THE PROJECT VICINITY.

TYPICAL FINISHED SECTIONS SHOW THE GENERAL ROADWAY FEATURES THROUGHOUT THE PROJECT. PAVEMENT SLOPES, BORDER SLOPES, ETC., MAY VARY WITHIN THE STATION LIMITS OF THE STATION SECTION. SEE DETAIL SHEETS AND CROSS SECTIONS FOR SLOPES AND GRADES.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER. ALL TREES AND SHRUBS WITHIN TEMPORARY LIMITED EASEMENTS (TLE) SHALL REMAIN UNLESS OTHERWISE SHOWN ON THE PLAN & PROFILE SHEETS.

REMOVING CONCRETE STEPS SHALL BE PAID FOR AS REMOVING CONCRETE SIDEWALK.

WHEN THE QUANTITY OF THE ITEM OF BASE AGGREGATE IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE, AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

PROOF ROLLING OF SUBBASE IS REQUIRED BEFORE PLACEMENT OF BASE COURSE & IS INCIDENTAL TO EXCAVATION COMMON. PROOF ROLLING SHALL BE WITNESSED BY THE ENGINEER.

PRIOR TO ORDERING DRAINAGE PIPES, VERIFY RELATED DRAINAGE INFORMATION IN THE PLANS AND RESOLVE ALL CONFLICT VERIFICATIONS BY WAY OF ULO'S WITH THE ENGINEER.

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

ALL LENGTHS ARE IN FEET EXCEPT AS SHOWN.

ELEVATIONS SHOWN ON THE STORM SEWER SHEETS ARE AT THE FLANGE OF THE CASTING. A MINIMUM 6-INCHES OF ADJUSTMENT RINGS REQUIRED, UNLESS OTHERWISE NOTED.

PROVIDE JOINT TIES ON ALL CONCRETE STORM SEWER SYSTEM INFALL AND OUTFALL PIPES. JOINT TIES SHALL BE INSTALLED ON THE LAST TWO PIPE JOINTS AND THE ENDWALL JOINT.

MISCELLANEOUS REMOVAL ITEMS REQUIRING RESTORATION OF CONCRETE OR ASPHALTIC CONCRETE DRIVEWAYS, SIDEWALKS, OR SIDE STREETS SHALL BE REMOVED TO AN EXISTING JOINT OR SAWED AS DETERMINED BY THE ENGINEER, OR AS SHOWN ON THE PLANS.

DRIVEWAYS SHALL BE REPLACED IN KIND.

THE EXACT LOCATION AND WIDTH OF DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

ALL CONCRETE DRIVEWAYS AND SIDEWALKS ACROSS DRIVEWAYS SHALL BE 7" THICK AND SHALL BE PAID FOR AS CONCRETE DRIVEWAY 7-INCH.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE CURB FLANGE.

THE CLEAR ZONE BEHIND CURB AND GUTTER IS 2 FEET FROM THE FACE OF THE CURB.

PLACE EROSION CONTROL FEATURES AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER AND IN PLACE PRIOR TO START OF CONSTRUCTION.

COVER DISTURBED AREAS WITHIN THE RIGHT-OF-WAY WITH TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, AND EROSION MAT, UNLESS OTHERWISE SHOWN IN PLANS, AS DIRECTED BY THE ENGINEER.

A 25% EXPANSION FACTOR WAS USED TO CALCULATE FILL QUANTITIES.

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
MEDIAN STRIPTURF	0.19 0.24	0.20 0.26	0.24 0.30	0.19 0.25	0.22 0.28	0.26 0.33	0.20 0.26	0.23 0.30	0.30 0.37	0.20 0.27	0.25 0.32	0.30 0.40
SIDE SLOPETURF			0.25 0.32			0.27 0.34			0.28 0.36			0.30 0.38
PAVEMENT:												
ASPHALT:	0.70 - 0.95											
CONCRETE:	0.80 - 0.95											
BRICK:	0.70 - 0.80											
DRIVES, WALKS:	0.75 - 0.85											
ROOFS:	0.75 - 0.95											
GRAVEL ROADS, SHOULDERS:	0.40 - 0.60											

ASPHALTIC PAVING TABLE

ATWOOD AVENUE		
	THICKNESS	MIX TYPE
UPPER LAYER	2.25"	4 LT 58-28 S
LOWER LAYER	4"	3 LT 58-28 S
ATWOOD AVENUE MILL & OVERLAY SECTION		
UPPER LAYER	2"	4 LT 58-28 S
MULTI-USE PATH		
UPPER LAYER	3"	4 LT 58-28 S
LAKELAND AVENUE PARKING LOT		
UPPER LAYER	3.5"	4 LT 58-28 S

DESIGN CONTACTS

MSA PROFESSIONAL SERVICES INC.
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CITY OF MADISON
ATTN: ANDREW ZWIEG, P.E.
CITY-COUNTY BUILDING, ROOM 115
210 MARTIN LUTHER KING JR. BLVD.
MADISON, WI 53703
PHONE: (608) 266-9219
EMAIL: AZWIEG@CITYOFMADISON.COM

SECTION 2 ORDER OF SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PAVING DETAILS
CURB RAMP DETAILS
CONTOUR MAP
EROSION CONTROL
STORM SEWER
WATERMAIN
SANITARY SEWER
PERMANENT SIGNING
LIGHTING PLAN
TEMPORARY TRAFFIC SIGNALS
TRAFFIC SIGNAL PLAN
PAVEMENT MARKINGS
STAGING PLANS
PEDESTRIAN ACCESS
DETOUR PLAN
BICYCLE ROUTE DETOUR PLAN
PEDESTRIAN DETOUR
ALIGNMENT OVERVIEW
CONTROL POINTS
BORING LOGS

DNR LIAISON

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
ATTN: ERIC HEGGELUND
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
PHONE: (608) 275-3301
EMAIL: ERIC.HEGGELUND@WISCONSIN.GOV

UTILITIES

COMMUNICATIONS
AT&T
ATTN: MATT VACHALIK
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RACINE, WI 53403
PHONE: (262) 707-6216
EMAIL: MV5616@ATT.COM

COMMUNICATIONS
CHARTER COMMUNICATIONS
ATTN: BRAD TEMPLETON
2701 DANIELS STREET
MADISON, WI 53718
PHONE: (608) 225-2529
EMAIL: BRAD.TEMPLETON@CHARTER.COM

ELECTRIC
MADISON GAS & ELECTRIC COMPANY (MG&E)
ATTN: DAVID TYSZKA
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MADISON, WI 53701
PHONE: (224) 381-9227
EMAIL: DTYSZKA@MGE.COM

GAS
MADISON GAS & ELECTRIC COMPANY (MG&E)
ATTN: ROGER AHLES
P.O. BOX 1231
MADISON, WI 53701
PHONE: (608) 252-5682
EMAIL: RAHLES@MGE.COM

SANITARY SEWER
CITY OF MADISON
ATTN: MARK MODER
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210 MARTIN LUTHER KING JR. BLVD.
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PHONE: (608) 261-9250
EMAIL: MMODER@CITYOFMADISON.COM

SANITARY SEWER
CITY OF MONONA
ATTN: DAN STEPHANY
5211 SCHLUTER ROAD
MONONA, WI 53716
PHONE: (608) 222-2525
EMAIL: DSTEPHANY@CI.MONONA.WI.US

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MADISON METROPOLITAN SEWERAGE DISTRICT (MMSD)
ATTN: ERIC HJELLEN
1610 MOORLAND ROAD
MADISON, WI 53713
PHONE: (608) 222-1201 EXT. 348
EMAIL: ERICH@MADSEWER.ORG

PARKS
CITY OF MADISON
ATTN: MIKE STURM
210 MARTIN LUTHER KING JR. BLVD, ROOM 104
MADISON, WI 53703
PHONE: (608) 267-9421
EMAIL: MSTURM@CITYOFMADISON.COM

TRAFFIC SIGNALS/STREET LIGHTING
CITY OF MADISON
ATTN: YANG TAO
MADISON MUNICIPAL BUILDING, SUITE 100
215 MARTIN LUTHER KING JR. BLVD
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PHONE: (608) 266-4815
EMAIL: YTAO@CITYOFMADISON.COM

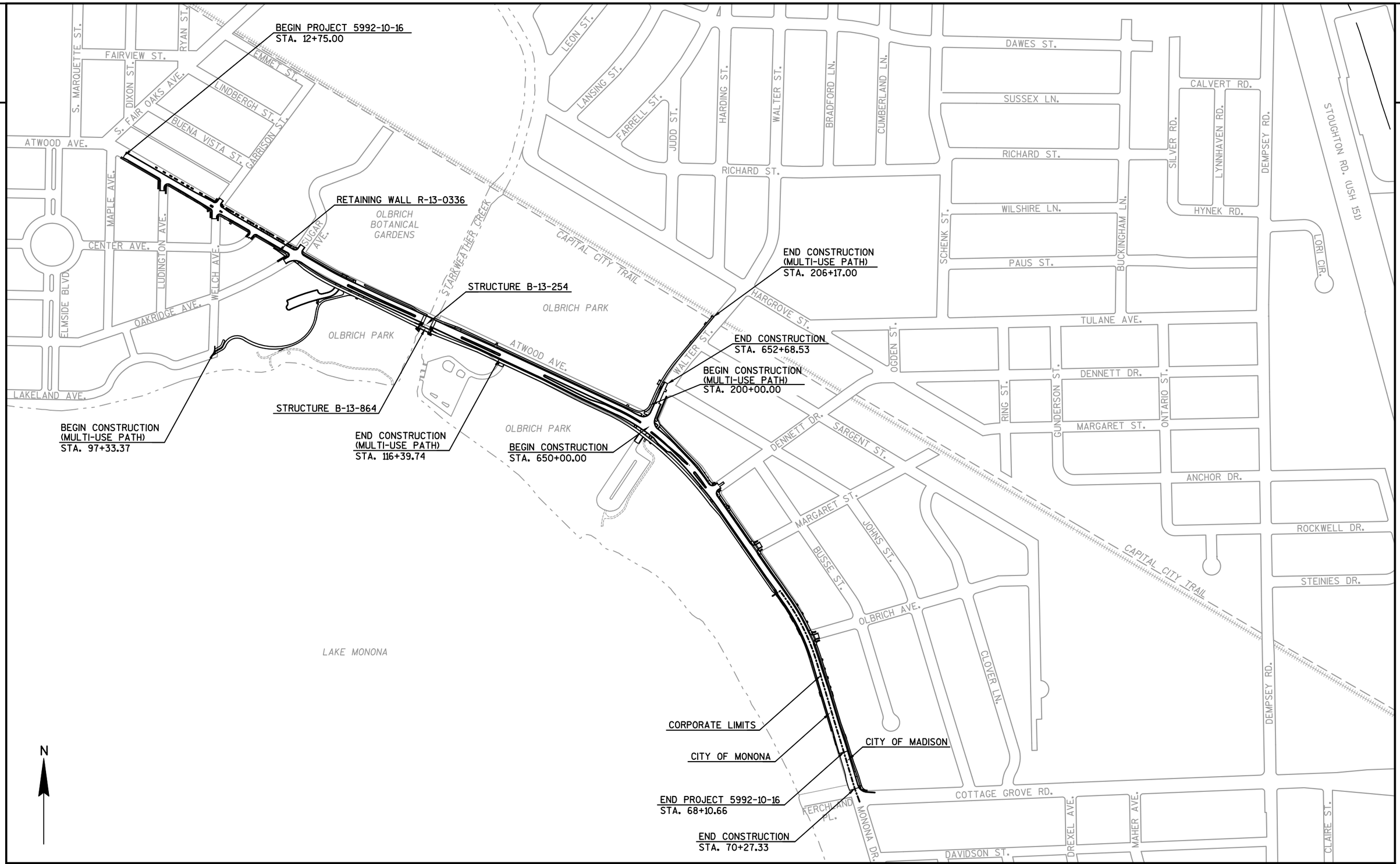
WATERMAIN
CITY OF MADISON
ATTN: PETE HOLMGREN
119 E. OLIN AVENUE
MADISON, WI 53713
PHONE: (608) 261-5530
EMAIL: PHOLMGREN@MADISONWATER.ORG

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

**-DENOTES UTILITIES THAT ARE NOT DIGGERS HOTLINE MEMBERS

STANDARD ABBREVIATIONS

AC	ACRES
AEW	APRON ENDWALL
AH	AHEAD
ALUM.	ALUMINUM
A.P.	ACCESS POINT
ASPH	ASPHALT
AVE	AVENUE
BAD	BASE AGGREGATE DENSE
BK	BACK
BLK	BLOCK
BM	BENCHMARK
CABC	CRUSHED AGGREGATE BASE COURSE
CL or ℄	CENTERLINE
△	CENTRAL ANGLE or DELTA
CONC	CONCRETE
CP	CONTROL POINT
CSM	CERTIFIED SURVEY MAP
D	DEGREE OF CURVE
DIA	DIAMETER
E	EAST
EB	EASTBOUND
EBS	EXCAVATION BELOW SUBGRADE
EOP	EDGE OF PAVEMENT
ET AL	AND OTHERS
EW	ENDWALL
EXIST	EXISTING
FOC	FACE OF CURB
FT	FOOT
FT2	SQUARE FEET
GN	GRID NORTH
GV	GAS VALVE
HYD	HYDRANT
IN	INCH
INL	INLET
INV	INVERT ELEVATION
IP	IRON PIPE
L	LENGTH
L	LENGTH OF CURVE
LF	LINEAL FEET
LC	LONG CHORD
LCB	LONG CHORD BEARING
LP	LOW POINT
LS	LUMP SUM
LT	LEFT
MH	MANHOLE
MI	MILE
MON	MONUMENT
N	NORTH
NB	NORTHBOUND
NO	NUMBER
PB	PULLBOX
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT
PT	POINT OF TANGENCY
PL	PROPERTY LINE
PLE	PERMANENT LIMITED EASEMENT
POB	POINT OF BEGINNING
R	RADIUS
R	RANGE
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
RL or R/L	REFERENCE LINE
RP	RADIUS POINT
RT	RIGHT
R/W	RIGHT-OF-WAY
RD	ROAD
S	SOUTH
SAN	SANITARY SEWER
SB	SOUTHBOUND
SL	SPECIAL LOGO
SQ	SQUARE
STD	STANDARD
SEC	SECTION
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SSPRCHE	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
ST	STREET
STA	STATION
STH	STATE TRUNK HIGHWAY
STM	STORM SEWER
STR	STRUCTURE
T	TANGENT
TAN	TANGENT
TEMP	TEMPORARY
TLE	TEMPORARY LIMITED EASEMENT
T or TN	TOWN
TYP.	TYPICAL
UD	PIPE UNDERDRAIN
WM	WATERMAIN
WV	WATER VALVE
W	WEST
WB	WESTBOUND
X	EAST GRID COORDINATE
Y	NORTH GRID COORDINATE



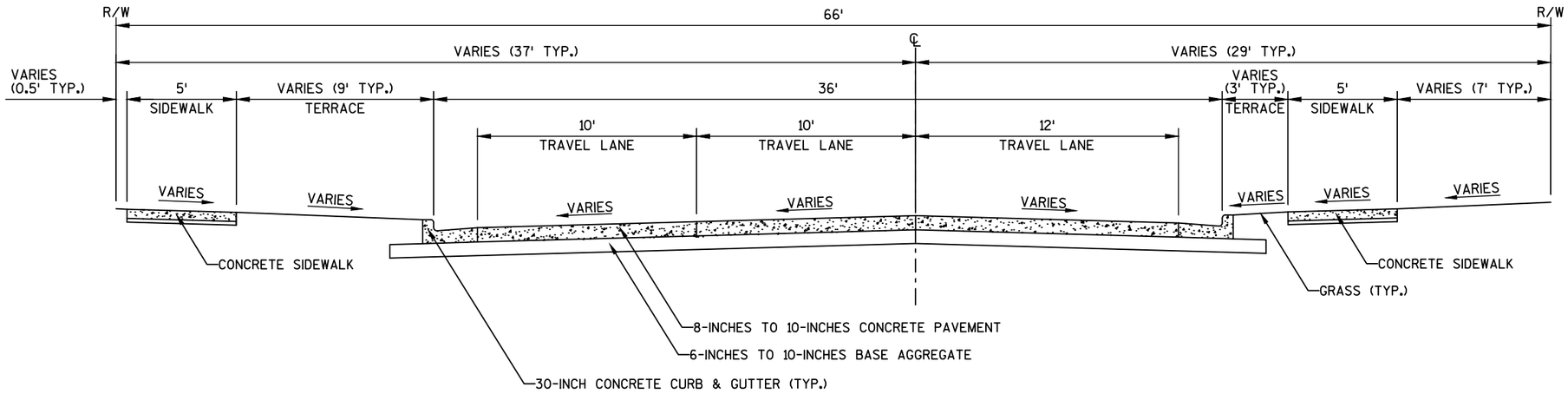
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - 020201-po

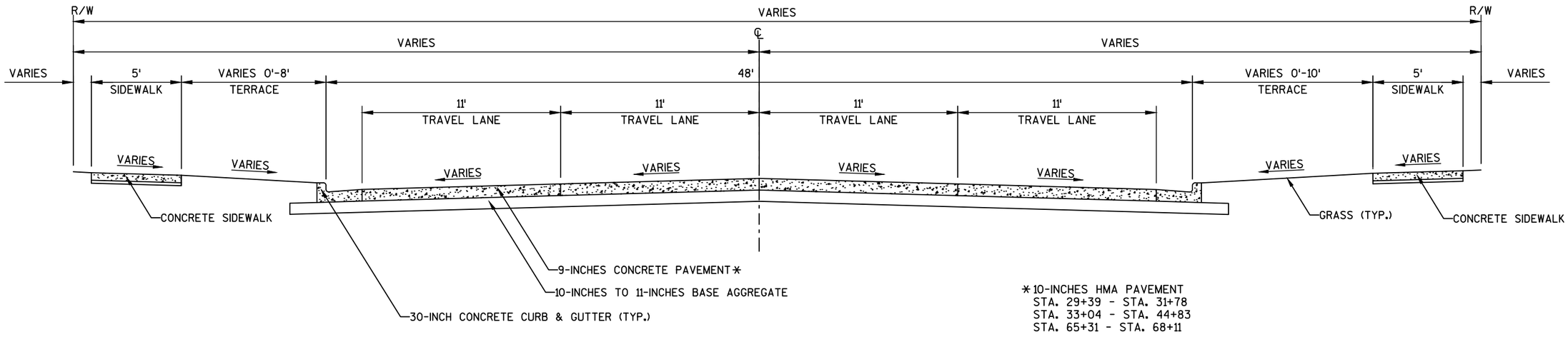
PLOT DATE : 10/12/2022 10:08 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

2

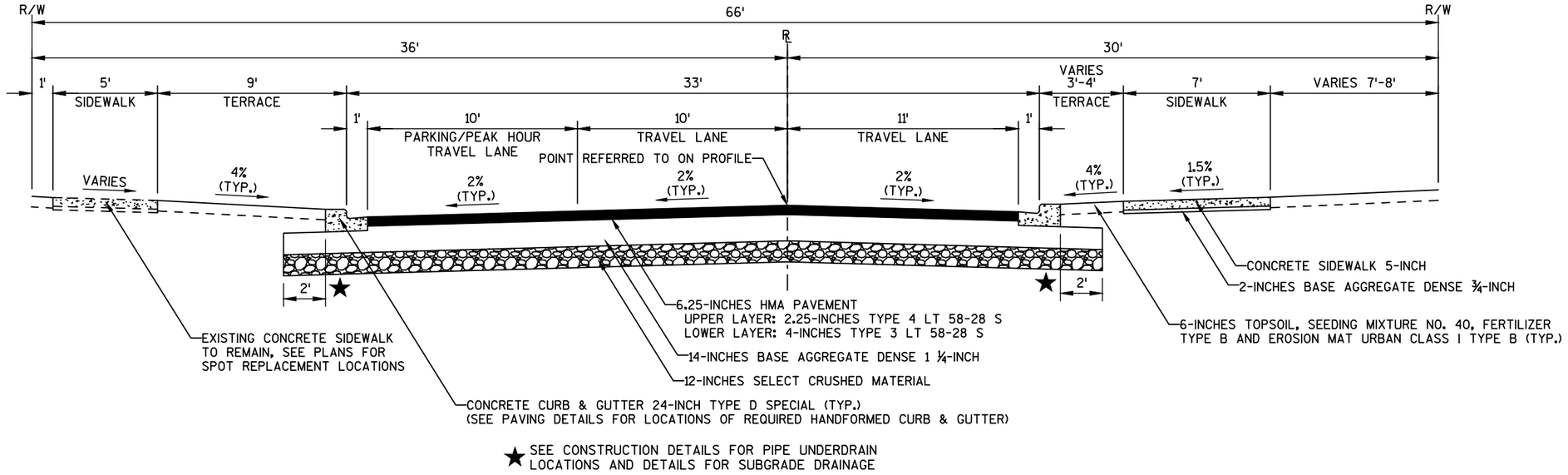


EXISTING TYPICAL SECTION – ATWOOD AVENUE
S. FAIR OAKS AVENUE - OAKRIDGE AVENUE/SUGAR AVENUE
(STA. 12+75 - STA. 24+00)



*10-INCHES HMA PAVEMENT
STA. 29+39 - STA. 31+78
STA. 33+04 - STA. 44+83
STA. 65+31 - STA. 68+11

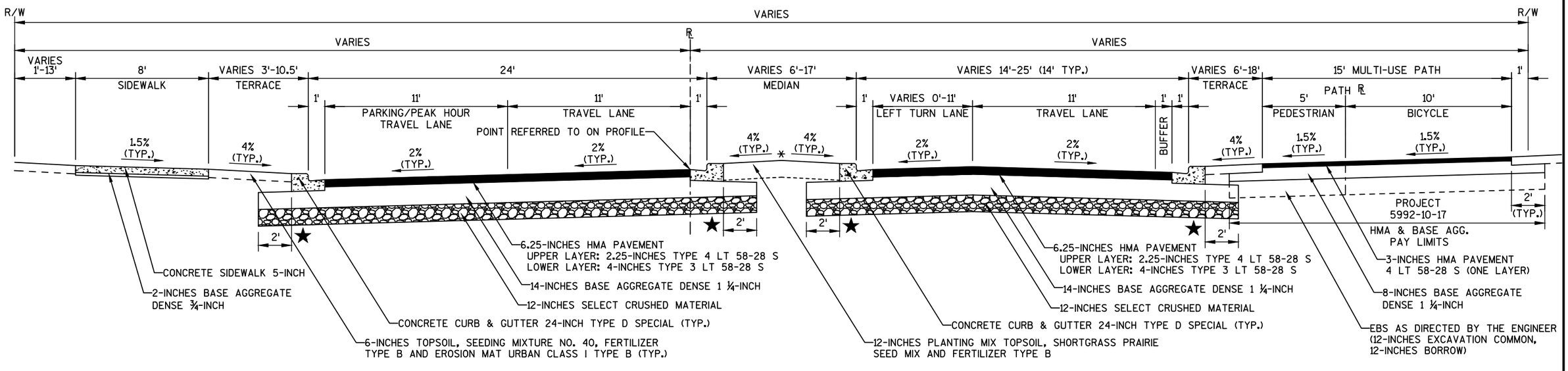
EXISTING TYPICAL SECTION – ATWOOD AVENUE
OAKRIDGE AVENUE/SUGAR AVENUE - COTTAGE GROVE ROAD
(STA. 24+00 - STA. 68+11)



FINISHED TYPICAL SECTION – ATWOOD AVENUE

S. FAIR OAKS AVENUE - OAKRIDGE AVENUE/SUGAR AVENUE
(STA. 12+75 - STA. 24+00)

NOTE: ALL DISTURBED GRASS AREAS BEHIND THE SIDEWALK SHALL BE COVERED WITH 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B AND EROSION MAT URBAN CLASS I TYPE B.



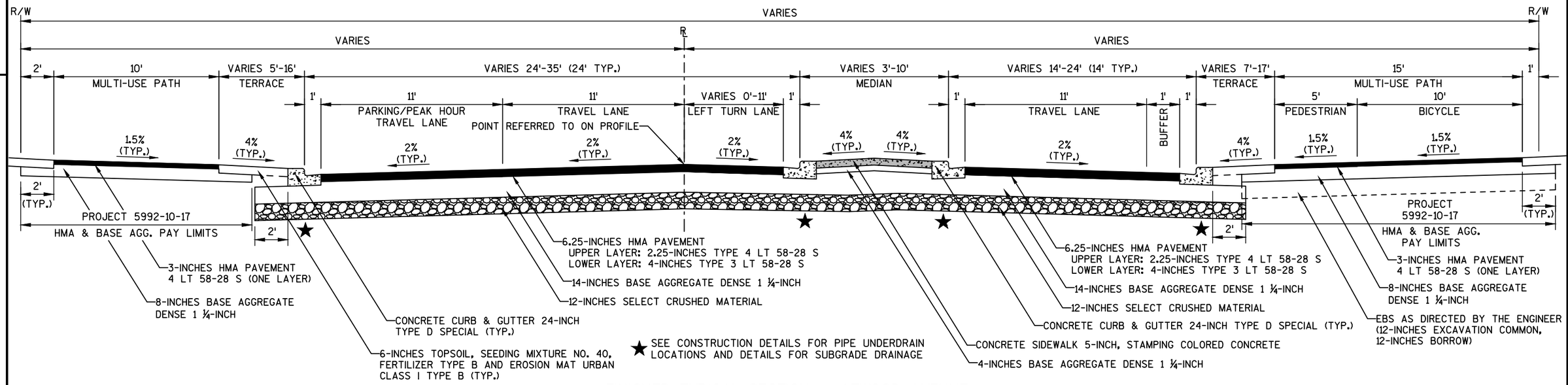
FINISHED TYPICAL SECTION – ATWOOD AVENUE

OAKRIDGE AVENUE/SUGAR AVENUE - WALTER STREET
(STA. 24+00 - STA. 46+00)

NOTE: ALL DISTURBED GRASS AREAS BEHIND THE SIDEWALK/PATH SHALL BE COVERED WITH 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B AND EROSION MAT URBAN CLASS I TYPE B.

* WHEN MEDIAN WIDTH IS LESS THAN 6-FEET BETWEEN BACK OF CURBS, CONSTRUCT CONCRETE SIDEWALK 5-INCH (STAMPING COLORED CONCRETE) OVER 4-INCHES BASE AGGREGATE DENSE 1 ¼-INCH. EXTEND SUBGRADE EXCAVATION AND SELECT CRUSHED MATERIAL TO MEET ADJACENT SUBGRADE POINT. SEE PAVING DETAILS FOR LOCATIONS.

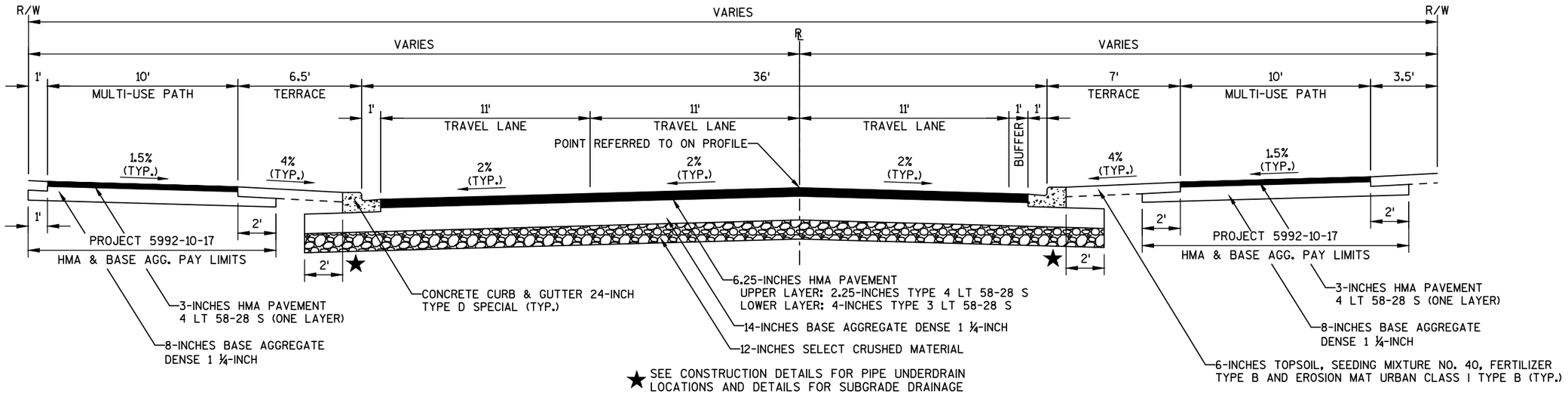
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	TYPICAL SECTIONS	SHEET 5	E



FINISHED TYPICAL SECTION – ATWOOD AVENUE

WALTER STREET - DENNETT DRIVE
(STA. 46+00 - STA. 51+50)

NOTE: ALL DISTURBED GRASS AREAS BEHIND THE SIDEWALK/PATH SHALL BE COVERED WITH 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B AND EROSION MAT URBAN CLASS I TYPE B.

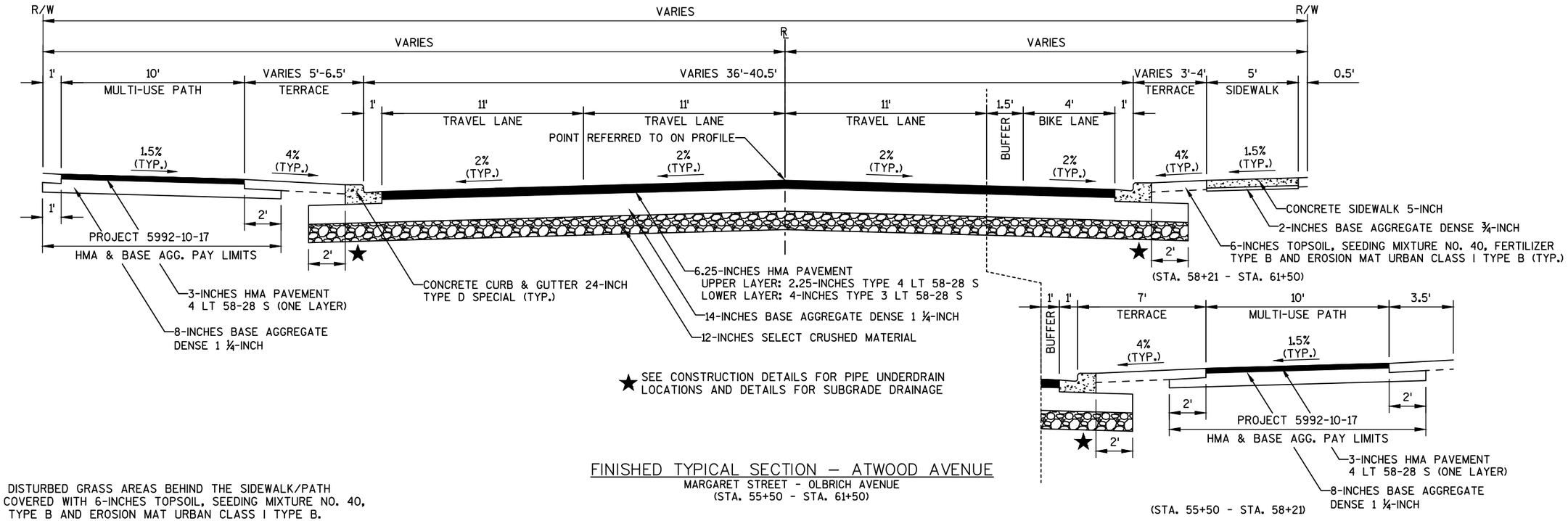


FINISHED TYPICAL SECTION – ATWOOD AVENUE

DENNETT DRIVE - MARGARET STREET
(STA. 51+50 - STA. 55+50)

NOTE: ALL DISTURBED GRASS AREAS BEHIND THE SIDEWALK/PATH SHALL BE COVERED WITH 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B AND EROSION MAT URBAN CLASS I TYPE B.

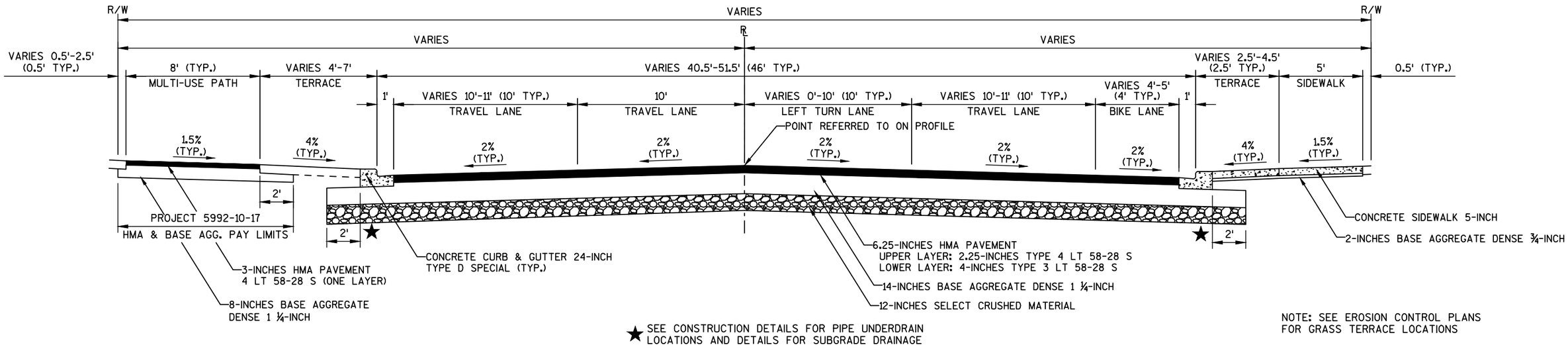
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	TYPICAL SECTIONS	SHEET 6	E



NOTE: ALL DISTURBED GRASS AREAS BEHIND THE SIDEWALK/PATH SHALL BE COVERED WITH 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B AND EROSION MAT URBAN CLASS I TYPE B.

FINISHED TYPICAL SECTION – ATWOOD AVENUE

MARGARET STREET - OLBRICH AVENUE
(STA. 55+50 - STA. 61+50)



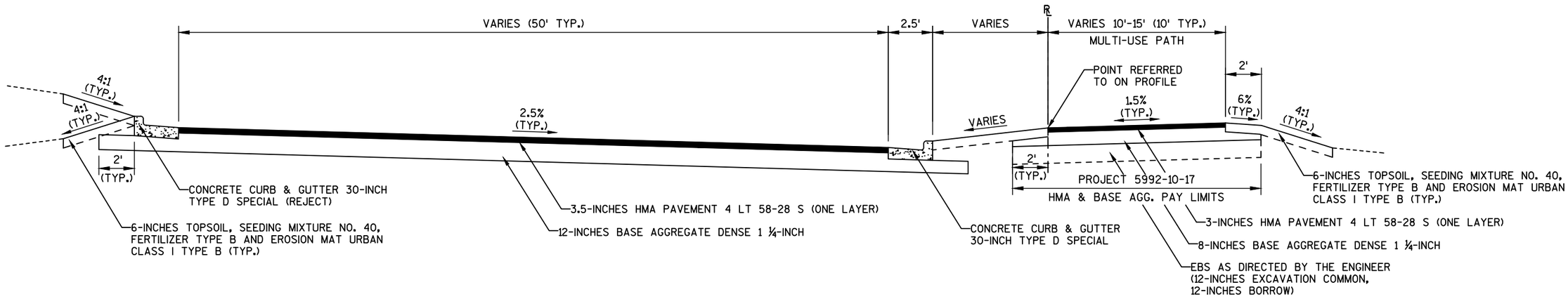
NOTE: SEE EROSION CONTROL PLANS FOR GRASS TERRACE LOCATIONS

FINISHED TYPICAL SECTION – ATWOOD AVENUE

OLBRICH AVENUE - COTTAGE GROVE ROAD
(STA. 61+50 - STA. 68+11)

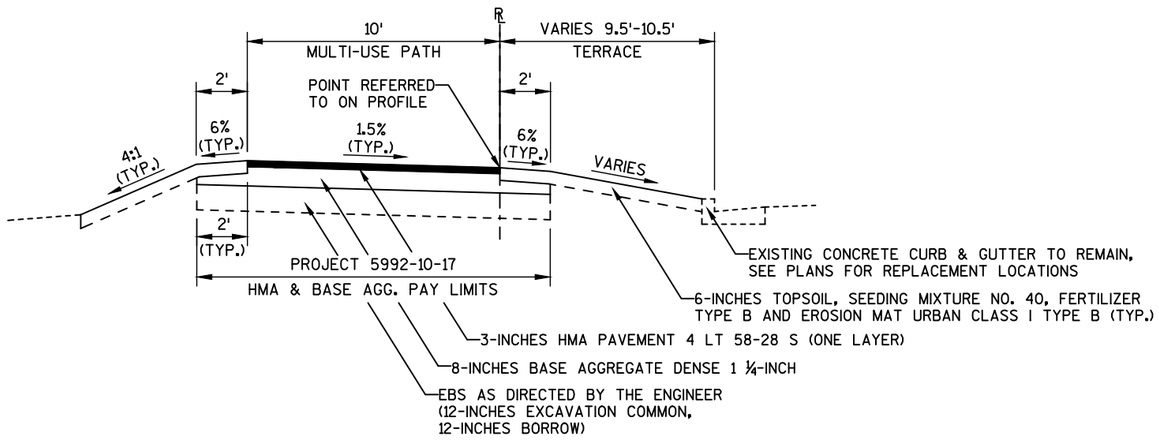
NOTE: ALL DISTURBED GRASS AREAS BEHIND THE SIDEWALK/PATH SHALL BE COVERED WITH 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B AND EROSION MAT URBAN CLASS I TYPE B.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	TYPICAL SECTIONS	SHEET 7	E



FINISHED TYPICAL SECTION – LAKELAND AVENUE MULTI–USE PATH & PARKING LOT

WELCH AVENUE - ATWOOD AVENUE
(STA. 97+45 - STA. 107+00)

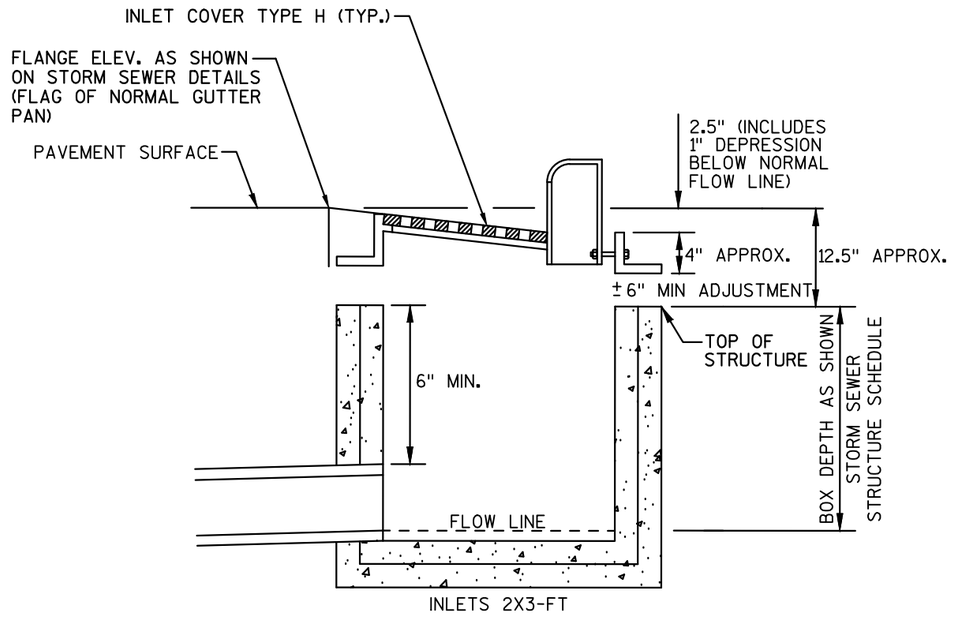


FINISHED TYPICAL SECTION – WALTER STREET MULTI–USE PATH

ATWOOD AVENUE - CAPITAL CITY TRAIL
(STA. 200+00 - STA. 206+17)

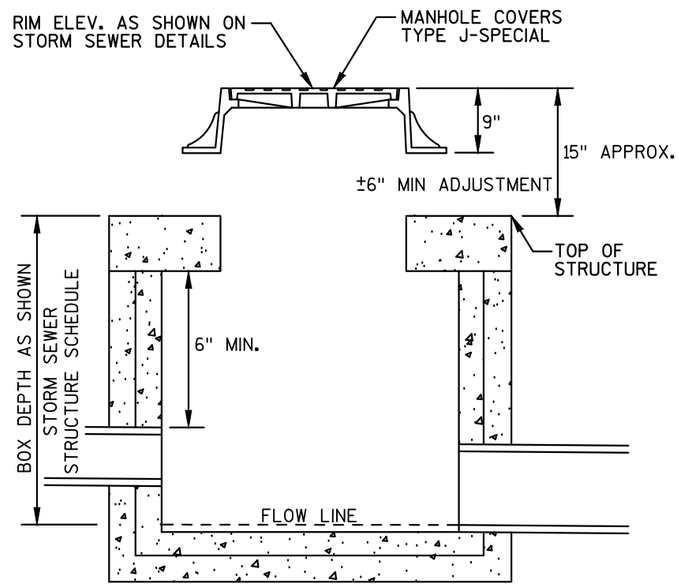
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	TYPICAL SECTIONS	SHEET 8	E

STATION, OFFSETS FOR INLETS
ARE TO CENTER OF STRUCTURE

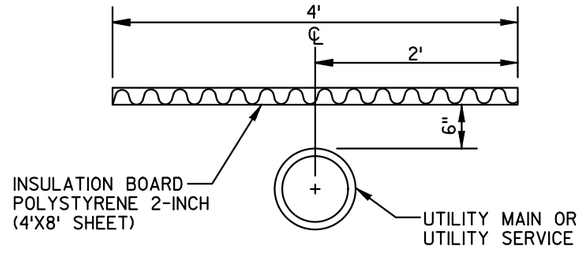


DETAIL FOR COMPUTING INLET ELEVATIONS
SCALE: NONE

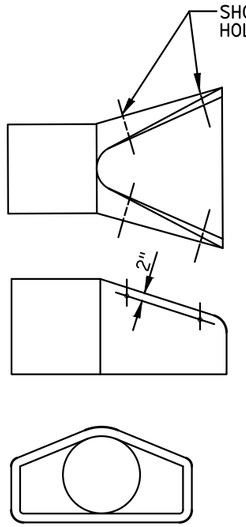
STATION, OFFSETS FOR MANHOLES
ARE TO CENTER OF STRUCTURE



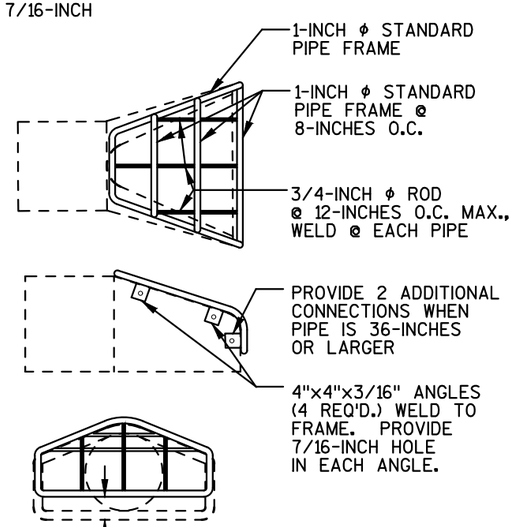
DETAIL FOR COMPUTING MANHOLE ELEVATIONS
SCALE: NONE



PIPE INSULATION DETAIL
SCALE: NONE



REINFORCED CONCRETE
APRON ENDWALL



PIPE GRATE

GENERAL NOTES:

1. BOLT THE PIPE GRATE TO THE ENDWALL WITH FOUR 3/8-INCH x 6-INCH STAINLESS STEEL ZINC COATED MACHINE BOLTS WITH NUTS ON INSIDE WALL.

2. PAINTING SPECIFICATIONS

   THE PIPE GRATE SHALL RECEIVE THE FOLLOWING PREPARATION AND PAINTING.

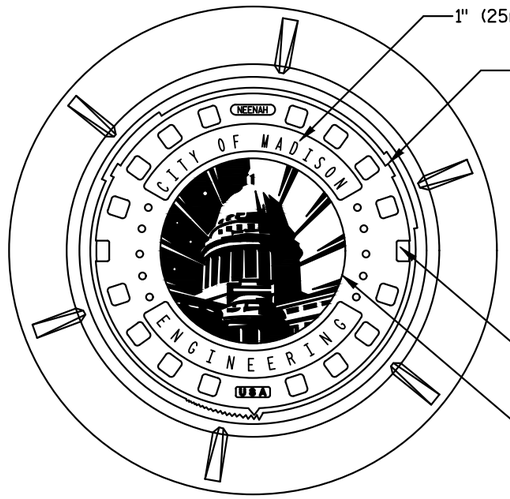
   PREPARATION:

   BARE SURFACES BY THOROUGH SCRAPING, WIRE BRUSHING AND CLEANING.

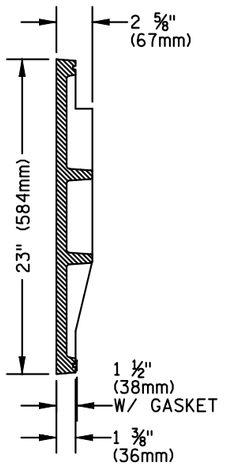
   APPLY A THREE COAT SYSTEM AS RECOMMENDED BY THE MANUFACTURER.

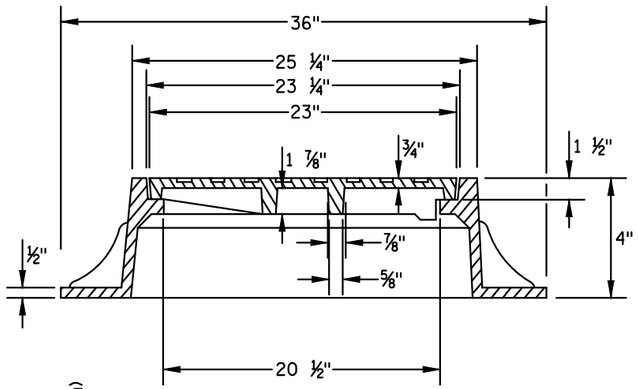
   ALLOW 24 - 48 HOURS DRYING TIME BETWEEN COATS.

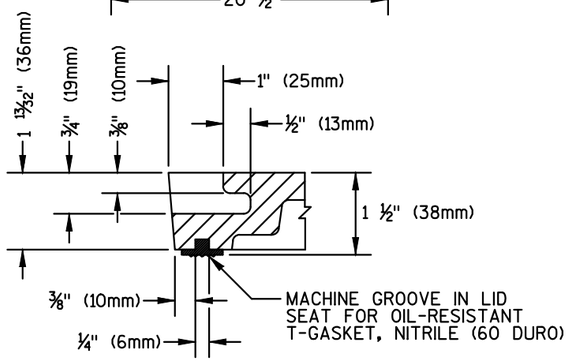
PIPE GRATE DETAIL
SCALE: NONE



LOGO DETAIL
SCALE: NONE







T-SEAL GASKET/CONCEALED PICK DETAIL
SCALE: NONE

1. FRAME AND COVER SHALL BE MACHINED AND FITTED SO THAT ROCKING AND CHATTERING WILL BE ELIMINATED.

2. ALL LIDS SHALL BE SELF-SEALING EXCEPT FOR STORM SEWER.

3. ALL LIDS SHALL HAVE CITY OF MADISON LOGO AS SHOWN IN DETAIL (R-1550-0054 OR EQUIV.)

LID NOTES: ALL DIMENSIONS SHOWN ARE IN ENGLISH AND (METRIC)
MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B

NOTES:

APPROXIMATE TOTAL WEIGHTS:
R-1550 w/ LOGO LID 1550-0054, 9" FRAME AND LID = 265 LBS.
R-1689 w/ LOGO LID 1550-0054, 4" FRAME AND LID = 279 LBS.

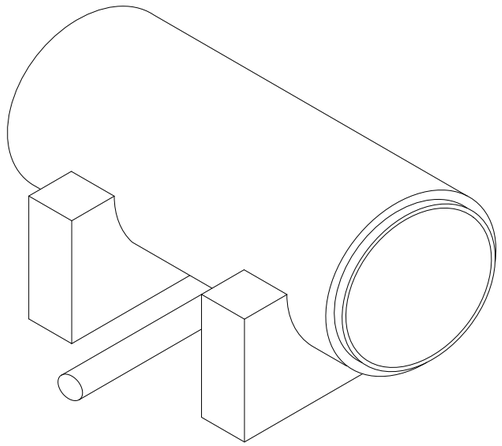
IF LOCKABLE LID IS NECESSARY, R-1920, 8 3/4" FRAME AND LID = 300 LBS THERE IS NO CITY OF MADISON LOGO LID AVAILABLE FOR THIS FRAME AND CASTING.

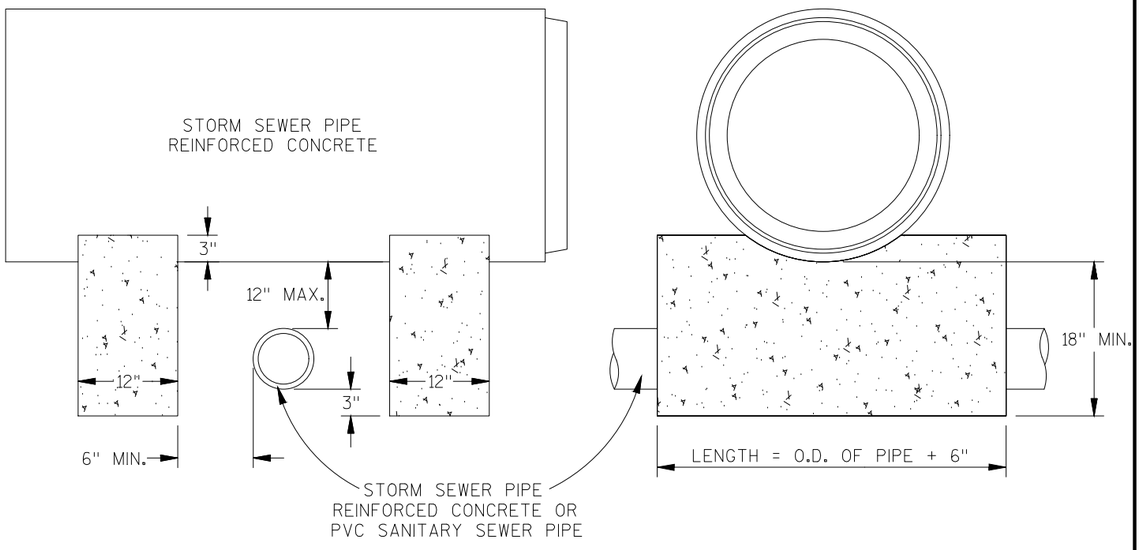
THE FOLLOWING NEENAH FOUNDRY CASTINGS (OR EQUAL CASTINGS) SHALL BE ACCEPTABLE:

1. R-1550, 9" NON-ROCKING ACCESS STRUCTURE FRAME.
2. R-1689, 4" NON-ROCKING ACCESS STRUCTURE FRAME (WHEN REQUESTED BY THE CITY CONSTRUCTION ENGINEER).
3. R-1920, 8 3/4" ACCESS STRUCTURE FRAME WITH LOCKING LID, TYPE 'F' LOCKS, AND CONCEALED PICK HOLES. TO BE USED IN GREENWAYS AND EASEMENTS.

MANHOLE COVERS TYPE J-SPECIAL
SCALE: NONE

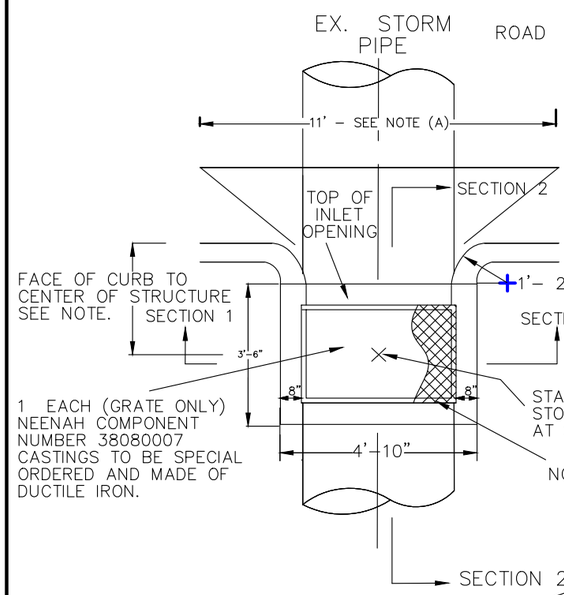
2



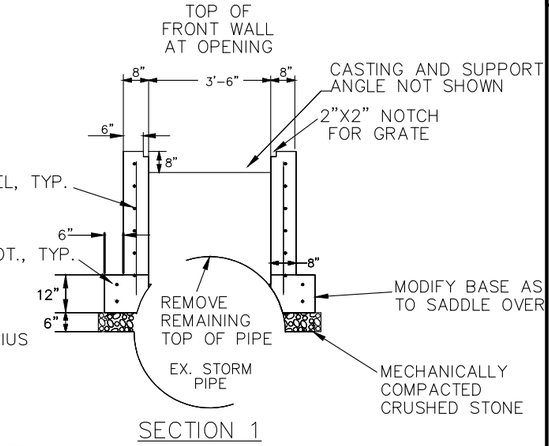


NOTE:
1. FIELD POURED, CONCRETE PIPE SUPPORT SHALL BE INSTALLED FOR STORM SEWERS WHEN CLEARANCE BETWEEN BOTTOM OF PIPE AND TOP OF CROSSING PIPE IS 12-INCHES OR LESS.

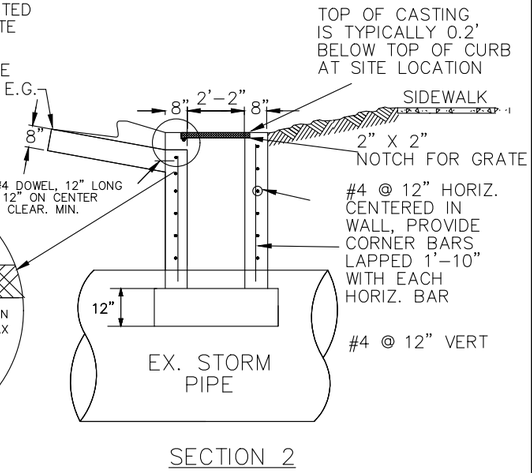
CONCRETE PIPE SUPPORT DETAIL
SCALE: NONE



STRUCTURE
PLAN VIEW



SECTION 1



INSET

SECTION 2

INLET COVERS MADISON SPECIAL
SCALE: NONE

NOTE:
DIMENSION FROM FACE OF CURB TO CENTER OF STRUCTURE

CURB TYPE	DISTANCE
TYPE A, D, G, X	3'- 3"
TYPE B, E, H	3'- 9"

PLAN VIEW NOTES:

(A) THE CONTRACTOR SHALL BE REQUIRED TO HAND POUR AND FORM THE LIMITS OF THE CURB ASSOCIATED WITH THE STRUCTURE UNLESS SPECIFICALLY APPROVED BY THE CONSTRUCTION ENGINEER.

A STRAIGHT LINE GRADE SHALL BE MAINTAINED FROM THE PAVEMENT EDGE OF GUTTER TO THE OUTSIDE EDGE OF THE INLET, AS SHOWN GRAPHICALLY IN SECTION #2. THE STRAIGHT LINE GRADE SHALL EXTEND 5.5' ON BOTH SIDES OF THE INLET. SEE THE DASHED LINES ON PLAN VIEW FOR REFERENCE.

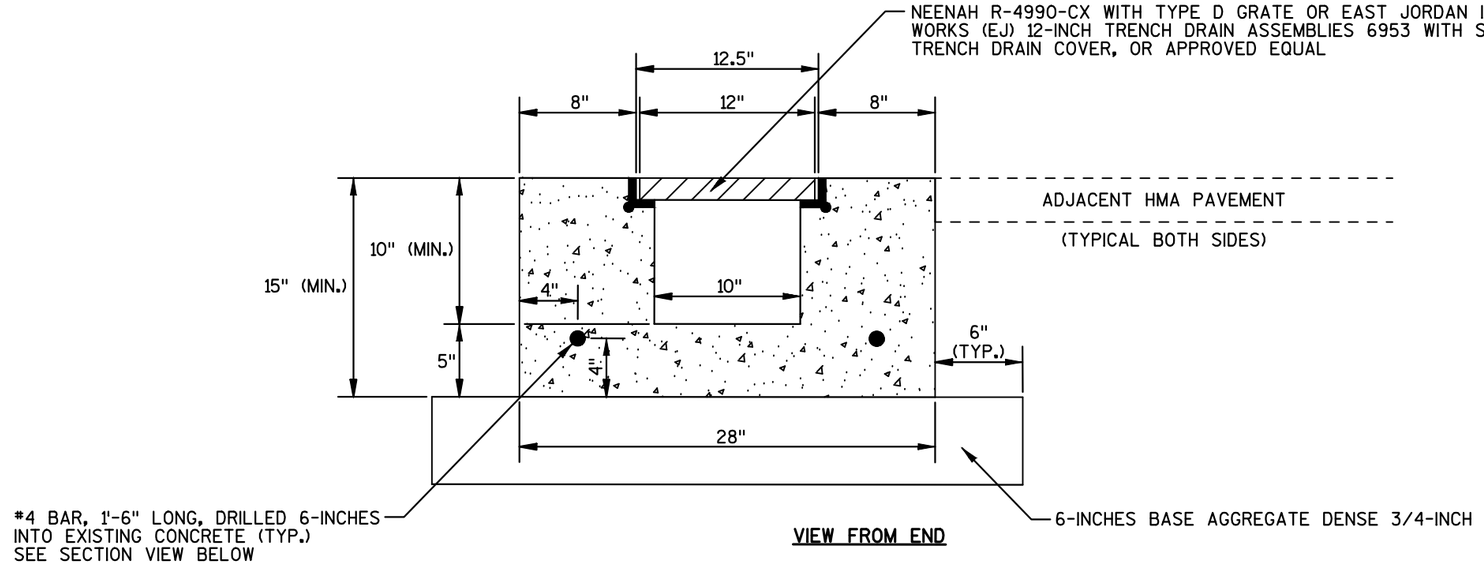
GENERAL NOTES:
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PROVIDE ADDITIONAL REINFORCEMENT AROUND PIPE OPENINGS PER "ADDITIONAL REINFORCEMENT AT CONCRETE OPENINGS" DETAIL ON STANDARD DETAIL DRAWING 5.7.3

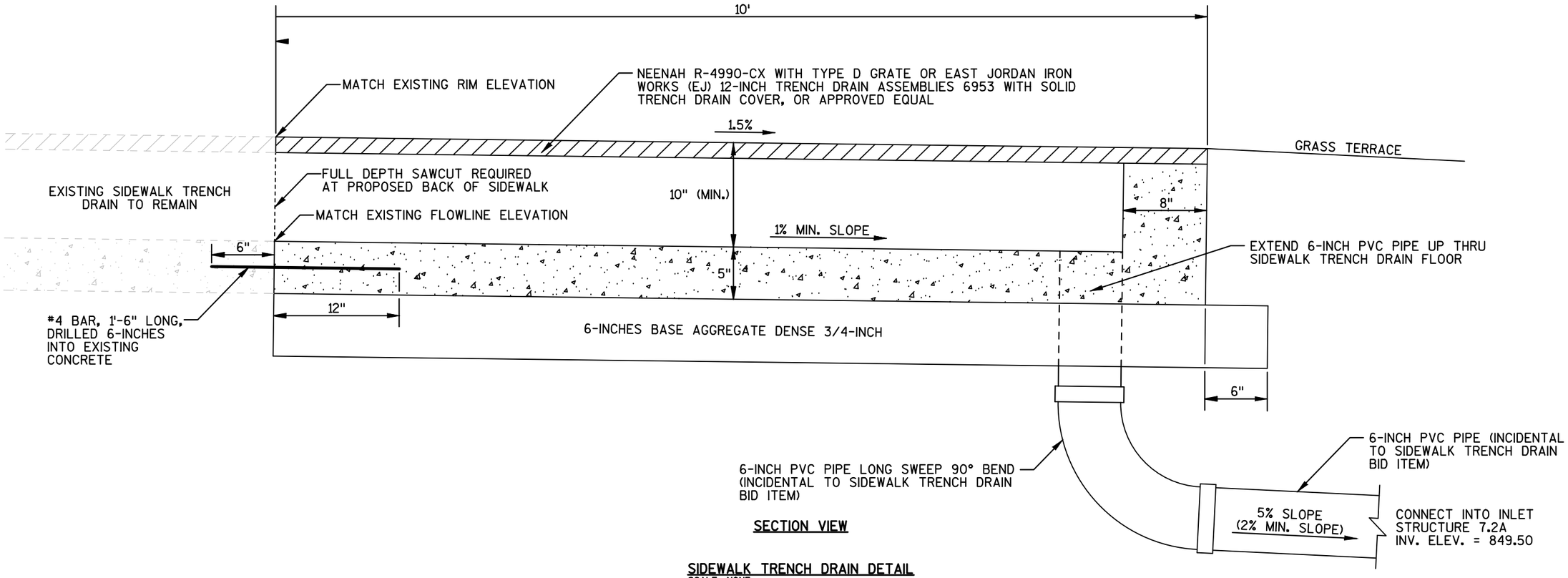
BACKFILL STRUCTURE WITH SELECT FILL SAND (BID ITEM 20208).

DESIGN DATA:
CONCRETE MASONRY: f'c = 4,000 PSI
STEEL REINFORCING: Fy = 60,000 PSI

2



VIEW FROM END

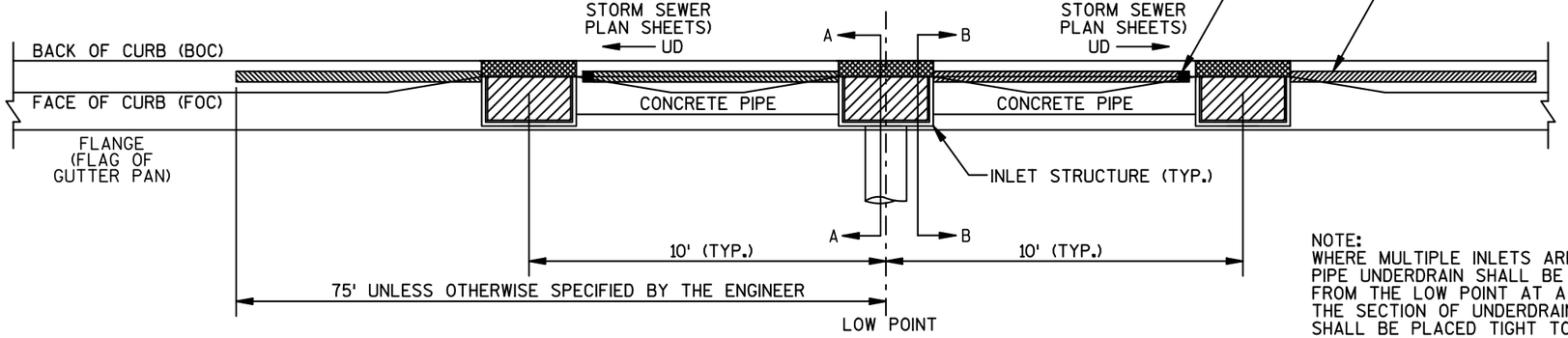


SECTION VIEW

SIDEWALK TRENCH DRAIN DETAIL
SCALE: NONE
(STA. 49+95, LT.)

2

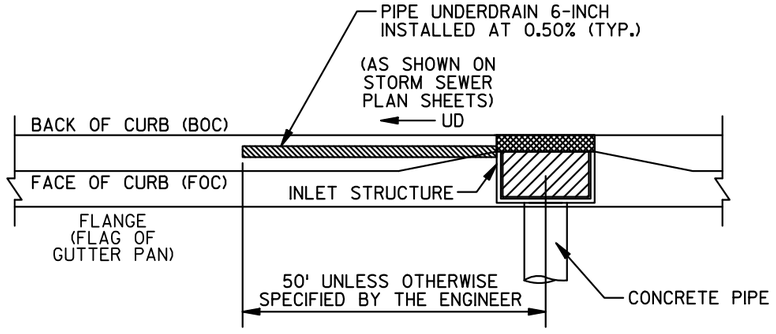
NOTE:
ATTACHMENT TO REAR OF INLET IS SATISFACTORY IF PIPE SIZE RESTRICTS SPACE FOR UNDERDRAIN CORE.



PLAN VIEW

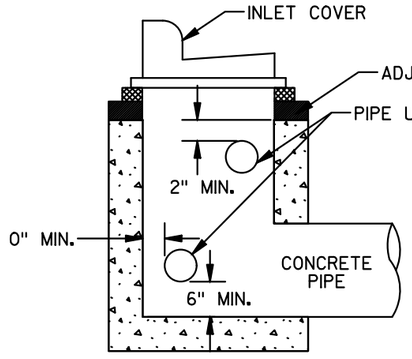
(TRIPLE INLET CONFIGURATION WITH UNDERDRAIN SHOWN)

NOTE:
WHERE MULTIPLE INLETS ARE USED AT LOW POINTS, PERFORATED PIPE UNDERDRAIN SHALL BE INSTALLED 75-FEET TO EITHER DIRECTION FROM THE LOW POINT AT A MINIMUM POSITIVE GRADE OF 0.50%. THE SECTION OF UNDERDRAIN BETWEEN THE CENTER AND OUTER INLETS SHALL BE PLACED TIGHT TO THE OUTER INLET, CAPPED WITH A PREMANUFACTURED PLASTIC CAP OR PLUG, AND LAID AS SPECIFIED ABOVE TO THE CENTER INLET.



PLAN VIEW

(TYPICAL ON-GRADE INLET CONFIGURATION WITH UNDERDRAIN)

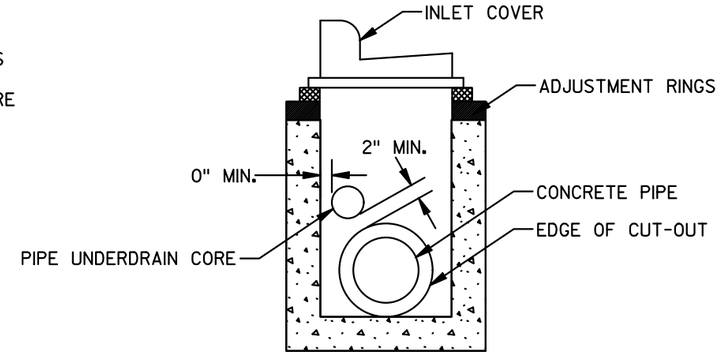


NOTES:

1. BOTTOM OF CORE SHALL BE PLACED A MINIMUM OF 6" ABOVE THE FLOOR OF THE INLET.
2. TOP OF CORE HOLES SHALL BE A MINIMUM OF 2" BELOW THE TOP OF INLET STRUCTURE (BOTTOM OF ADJUSTMENT RINGS).
3. CORE HOLES MAY HAVE 0" CLEARANCE FROM THE INSIDE WALLS OF A STRUCTURE.

SECTION A-A

(TYPICAL INLET CONFIGURATION WITH UNDERDRAIN CORED INTO WALL WITH CROSSPIPE ONLY)

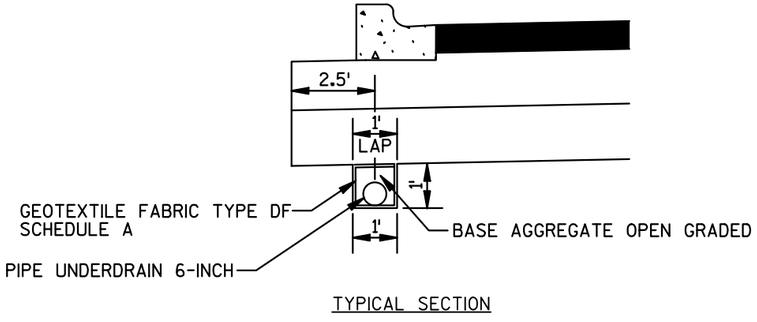


NOTES:

1. CORE HOLES SHALL PROVIDE FOR A MINIMUM OF 2" OF CONCRETE BETWEEN THE CUTOUT FOR A CONCRETE PIPE AND THE EDGE OF THE CORE HOLE..
2. CORE HOLES MAY HAVE 0" CLEARANCE FROM THE INSIDE WALLS OF A STRUCTURE.

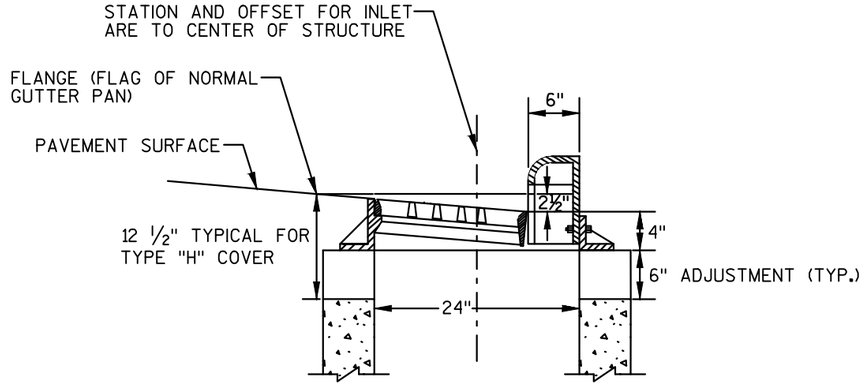
SECTION B-B

(TYPICAL INLET WITH UNDERDRAIN CORED INTO WALL WITH PIPE)

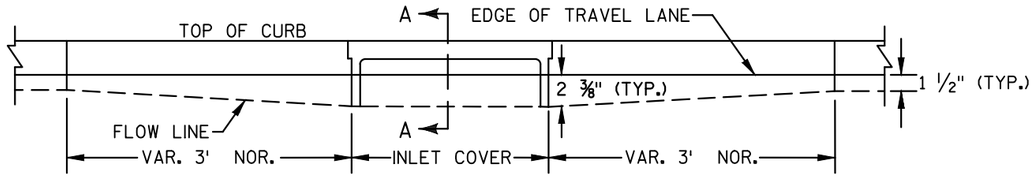


TYPICAL SECTION

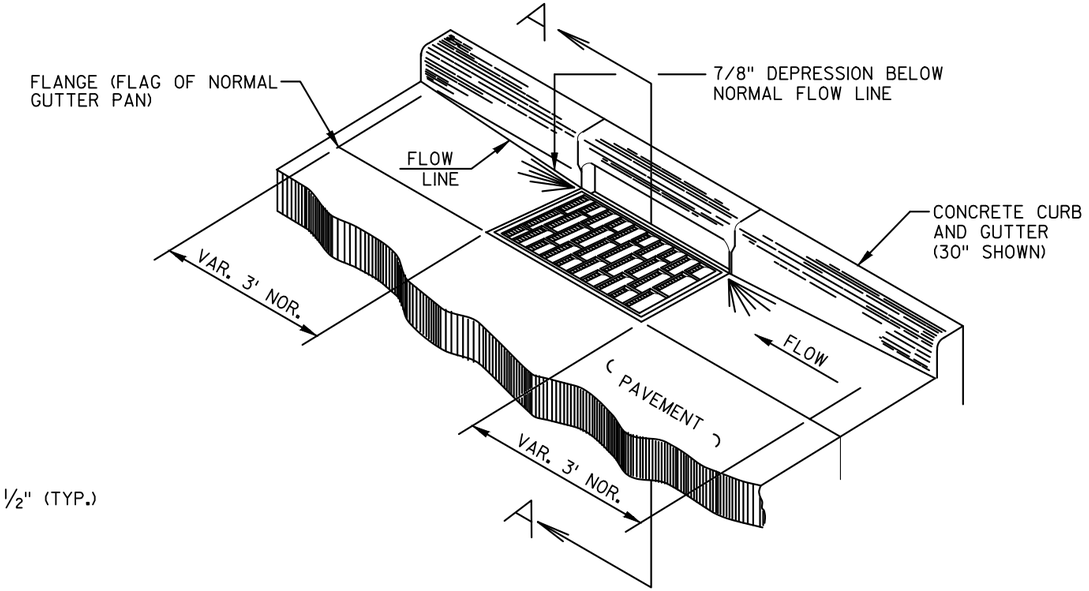
PIPE UNDERDRAIN CONNECTION DETAIL
SCALE: NONE



SECTION A-A
SCALE: NONE

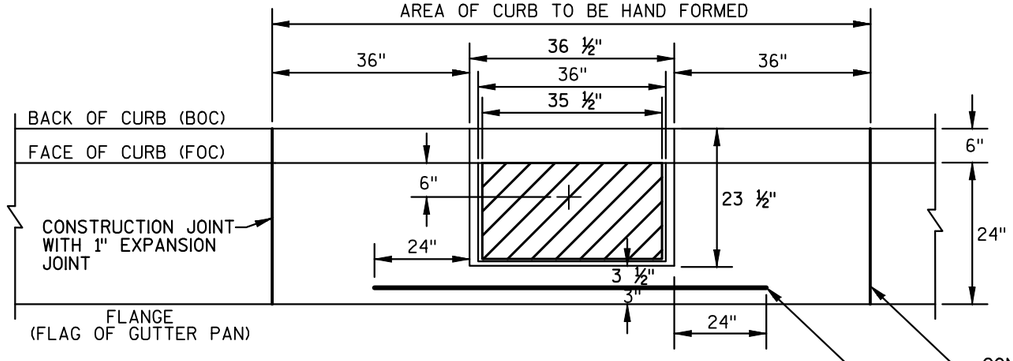


ELEVATION
SCALE: NONE



CURB AND GUTTER AT INLET DETAIL
SCALE: NONE

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

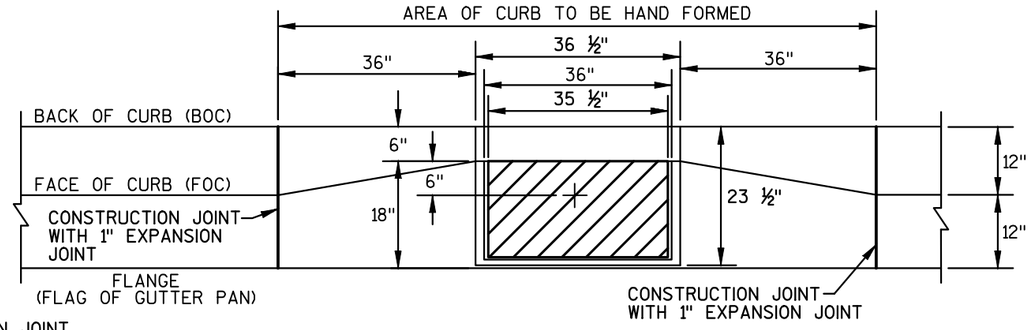


PLAN VIEW

CONCRETE CURB AND GUTTER 30-INCH TYPE D SPECIAL
SCALE: NONE

CONSTRUCTION JOINT WITH 1" EXPANSION JOINT

(1)-7' LONG #4 REBAR (INCIDENTAL TO THE ADJUSTING INLET COVER OR INLET COVERS TYPE 'H')

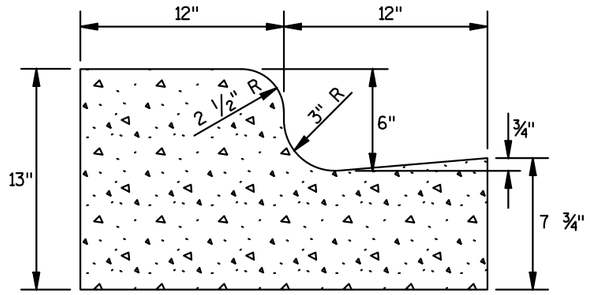


PLAN VIEW

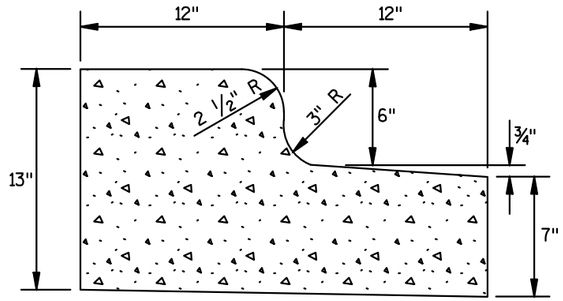
CONCRETE CURB AND GUTTER 24-INCH TYPE D SPECIAL
SCALE: NONE

CURB AND GUTTER AT INLET DETAIL
SCALE: NONE

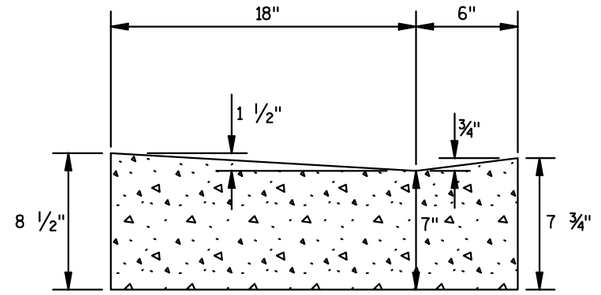
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 14	E



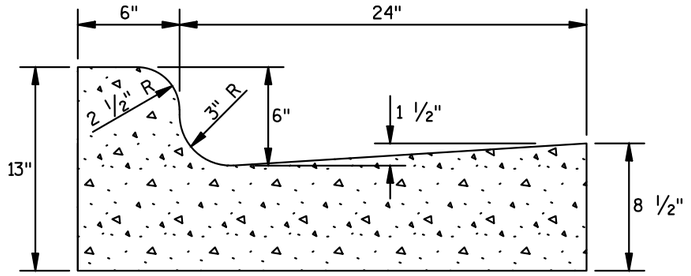
CONCRETE CURB AND GUTTER 24-INCH TYPE A SPECIAL
CONCRETE CURB AND GUTTER 24-INCH TYPE D SPECIAL
CONCRETE CURB AND GUTTER 24-INCH TYPE D SPECIAL HF
SCALE: NONE



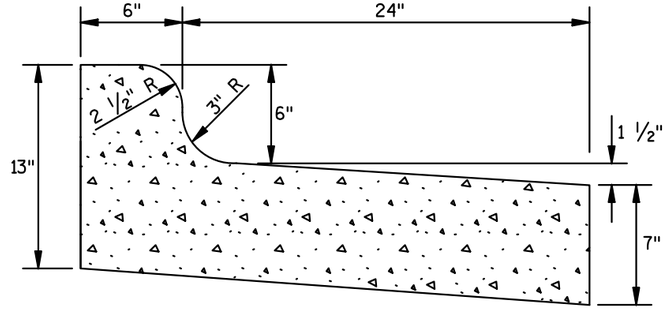
CONCRETE CURB AND GUTTER 24-INCH TYPE D SPECIAL (REJECT)
SCALE: NONE



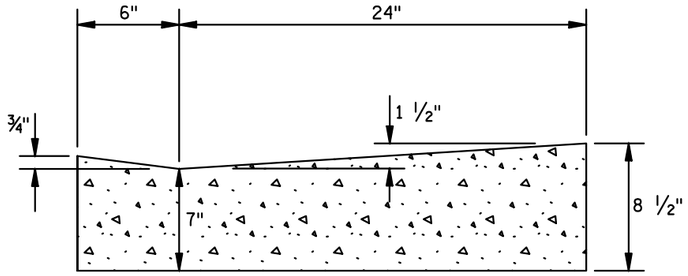
CONCRETE CURB AND GUTTER 24-INCH TYPE X SPECIAL
SCALE: NONE



CONCRETE CURB AND GUTTER 30-INCH TYPE A SPECIAL
CONCRETE CURB AND GUTTER 30-INCH TYPE D SPECIAL
CONCRETE CURB AND GUTTER 30-INCH TYPE D SPECIAL HF
SCALE: NONE



CONCRETE CURB AND GUTTER 30-INCH TYPE D SPECIAL (REJECT)
SCALE: NONE



CONCRETE CURB AND GUTTER 30-INCH TYPE D SPECIAL (DRIVEWAY)
SCALE: NONE

NOTES:

TIE BARS ARE REQUIRED FOR CURB & GUTTER TYPE A.

TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

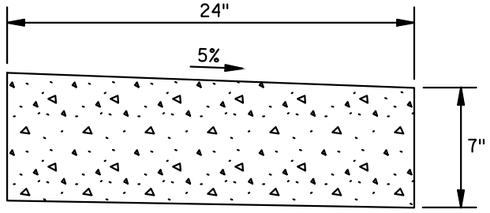
WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLANS.

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

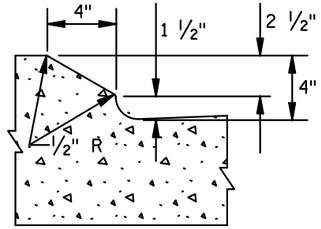
EXPANSION JOINTS SHALL BE PLACED TRANSVERSLY AT RADIUS POINTS ON CURVES OF RADIUS 200' OR LESS, AND AT ANGLE POINTS, OR AS DIRECTED BY THE ENGINEER. THE EXPANSION JOINT SHALL BE A ONE PIECE ASPHALTIC MATERIAL HAVING THE SAME DIMENSIONS AS CURB & GUTTER AT THAT STATION AND BE 1/2" THICK.

IN ALL CASES, CONCRETE CURB & GUTTER SHALL BE PLACED ON THOROUGHLY COMPACTED CRUSHED STONE.

CONCRETE CURB AND GUTTER TO BE HAND FORMED (HF) AROUND EXISTING TERRACE TREES TO REMAIN. SEE PAVING DETAILS FOR LOCATIONS.



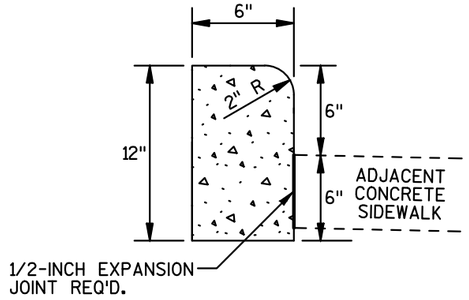
CONCRETE GUTTER 24-INCH TYPE D SPECIAL
SCALE: NONE



NOTES:
MOWER ACCESS CURB SECTIONS TO BE 8' LONG PLUS 1' TRANSITIONS, PAY AS ADJACENT CURB AND GUTTER

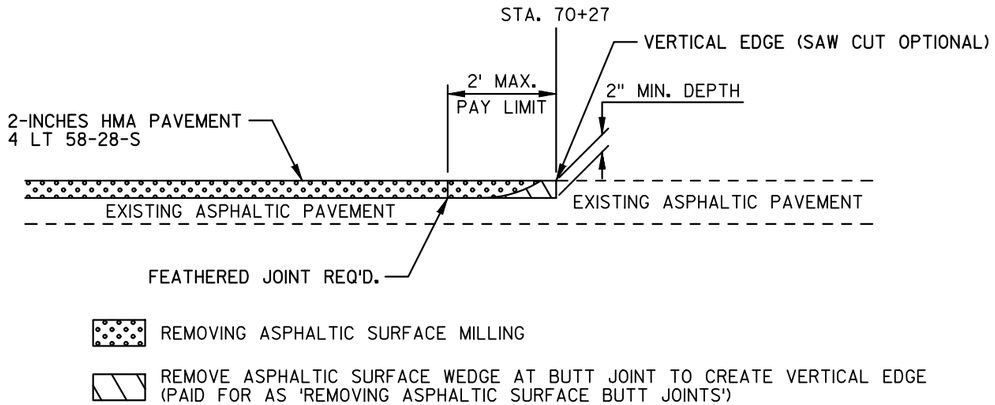
SEE PAVING DETAILS FOR LOCATIONS (STATIONS SHOWN ARE TO CENTER OF MOWER ACCESS)

MOWER ACCESS CURB AND GUTTER
SCALE: NONE

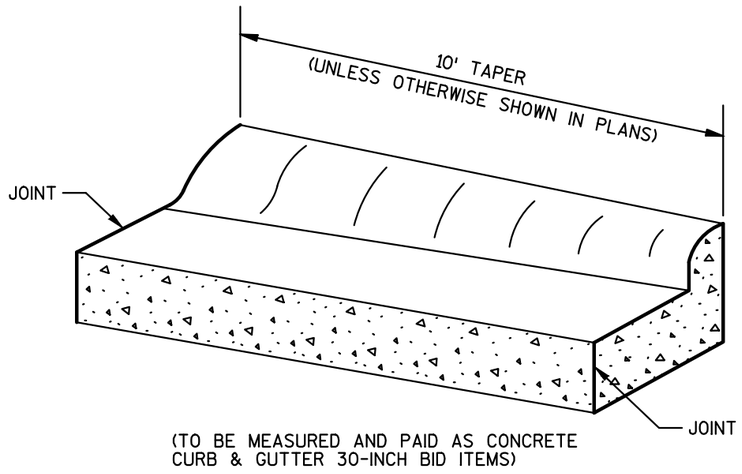


CONCRETE CURB PEDESTRIAN
SCALE: NONE

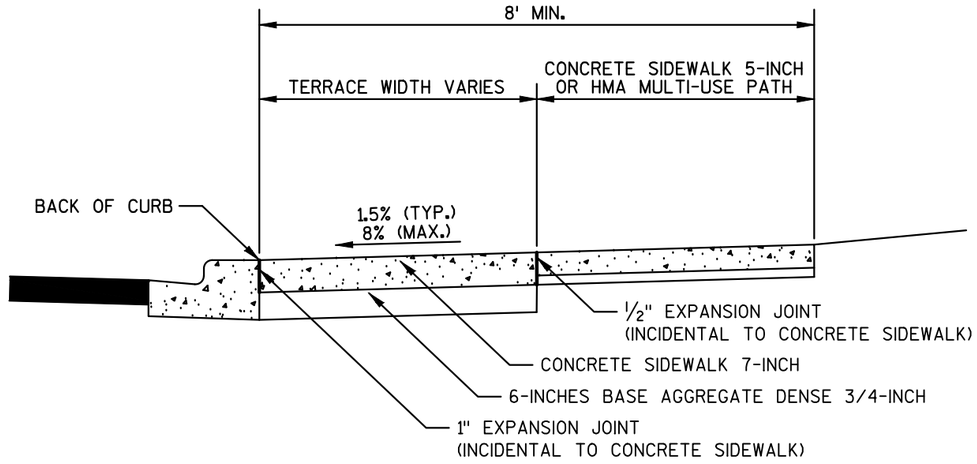
CONCRETE CURB & GUTTER DETAILS
SCALE: NONE



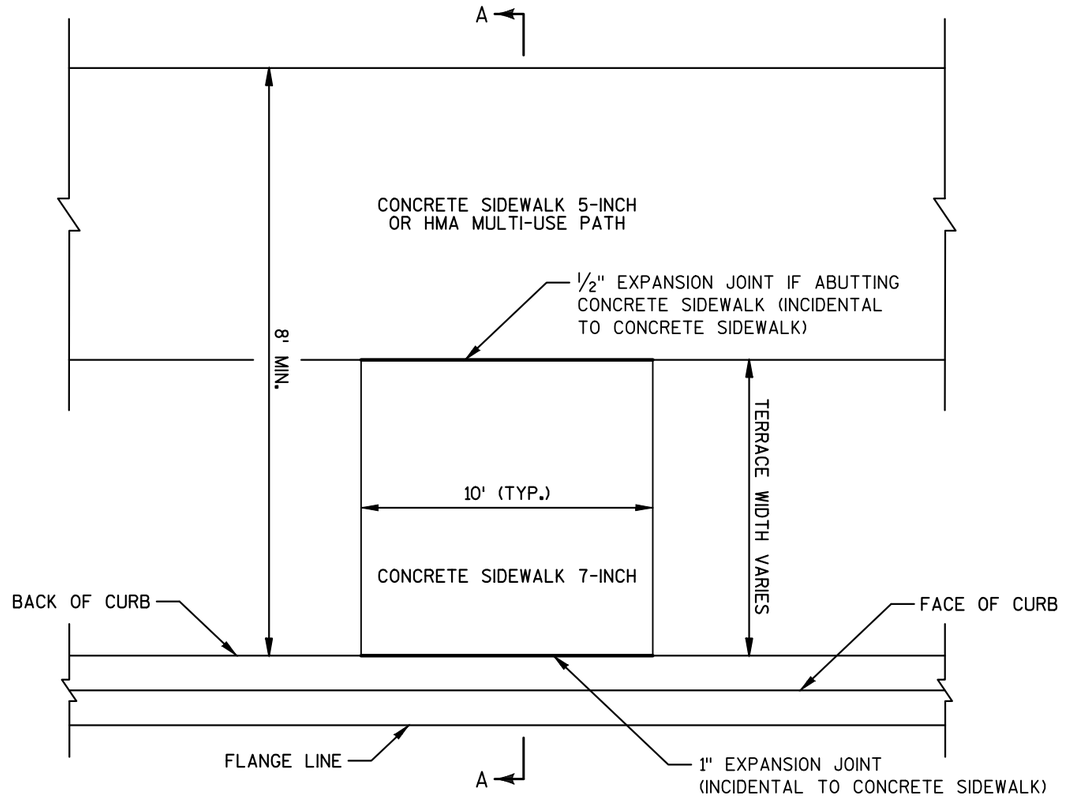
BUTT JOINT DETAIL FOR MILLED ASPHALTIC PAVEMENTS
SCALE: NONE



24-INCH TO 30-INCH CONCRETE CURB & GUTTER TRANSITION DETAIL
SCALE: NONE



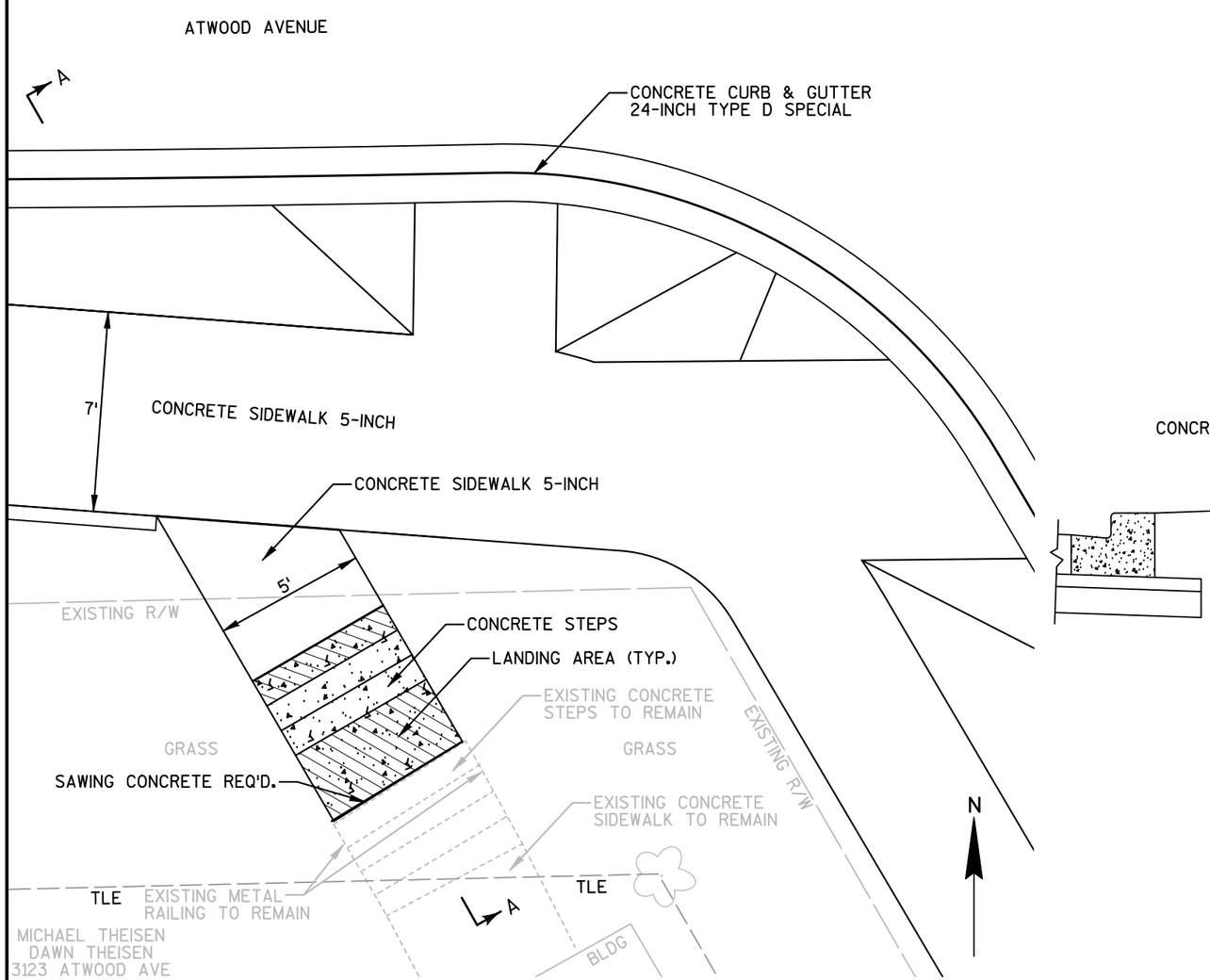
SECTION A-A (SHOWN ABUTTING CONCRETE SIDEWALK)



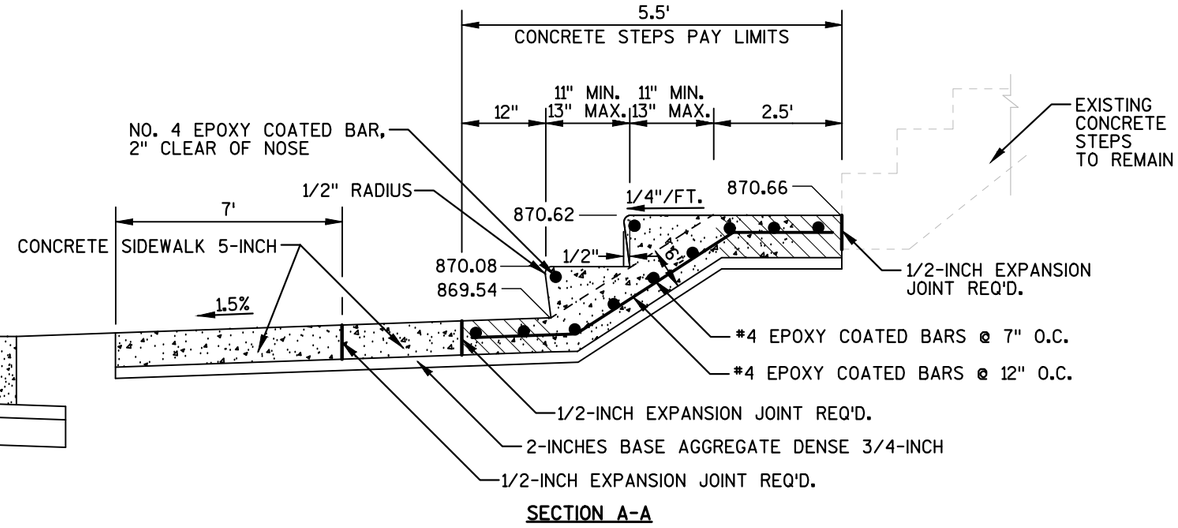
BUS STOP PAD WITH ADJACENT SIDEWALK DETAIL
SCALE: NONE

(SEE PLAN DETAILS FOR LOCATIONS)

2



PLAN VIEW



SECTION A-A

NOTES:

1. THE EXACT LOCATION, WIDTHS, & NUMBER OF STEPS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
2. BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2-INCHES CLEAR.

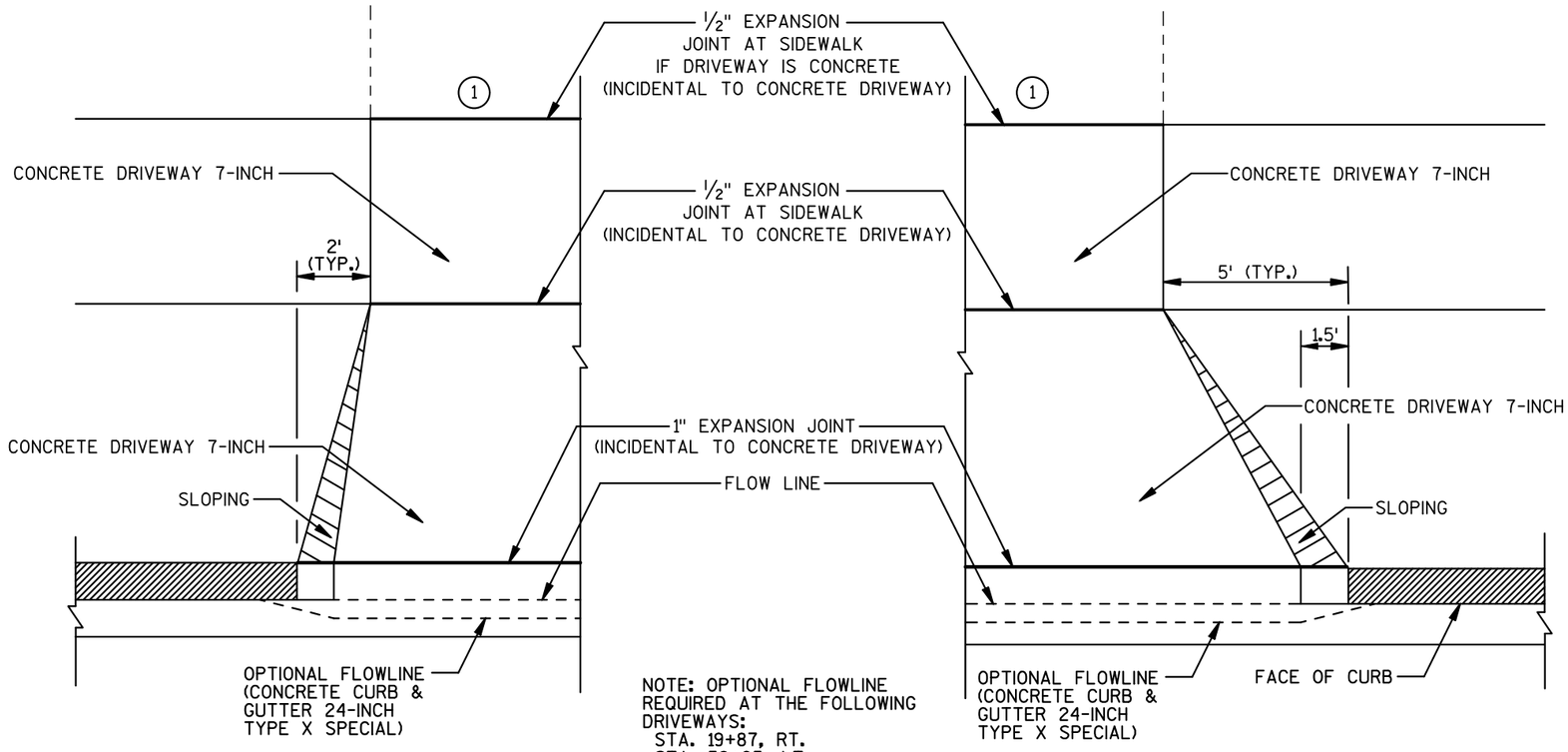
CONCRETE STEPS DETAIL
SCALE: NONE
(STA. 18+38 - STA. 18+46, RT.)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 17	E

2

(1) FOR ASPHALT DRIVEWAYS PLACE 3-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH.

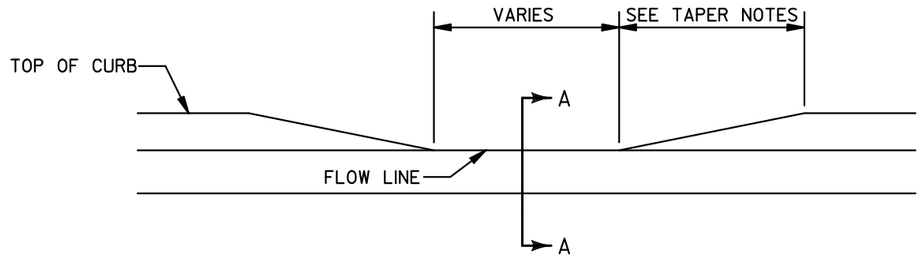
FOR CONCRETE DRIVEWAYS PLACE CONCRETE DRIVEWAY 7-INCH OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH.



RESIDENTIAL

NOTE: OPTIONAL FLOWLINE REQUIRED AT THE FOLLOWING DRIVEWAYS:
STA. 19+87, RT.
STA. 58+95, LT.
STA. 59+42, LT.

COMMERCIAL



NOTES:

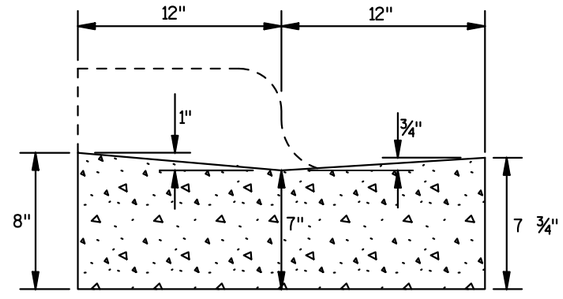
IF THE CURB CUT IS NOT CONSTRUCTED WITH THE INITIAL CURB AND GUTTER CONSTRUCTION, THE CURB CUT CAN BE MADE BY REMOVING AND REPLACING THE ENTIRE CURB AND GUTTER SECTION OR BY SAWCUTTING THE EXISTING CURB HEAD BY MEANS OF A SPECIAL SAW DESIGNED TO MEET THE DETAILS ABOVE FOR MADISON STANDARD CURB CUTS.

TYPICAL CURB CUT TAPER
SCALE: NONE

DRIVEWAY TAPERS:
DRIVEWAY TAPERS SHALL BE CONSTRUCTED PER SDD 8D18 "DRIVEWAY AND SIDEWALK RAMPS TYPE X AND Y", AND 8D19 "DRIVEWAY AND SIDEWALK RAMPS TYPE Z", OR REVIEWED BY CONSTRUCTION ENGINEER PRIOR TO CONSTRUCTION. TYPICAL TAPERS ARE 12" TO 18" FOR STANDARD DRIVEWAY APPROACH AND 18" TO 24" FOR STANDARD RAMP.

ALL EXPANSION JOINTS SHALL EXTEND THROUGH THE ENTIRE THICKNESS OF THE APPROACH OR SIDEWALK, WHICHEVER IS THICKER.

DRIVEWAY DETAIL
SCALE: NONE



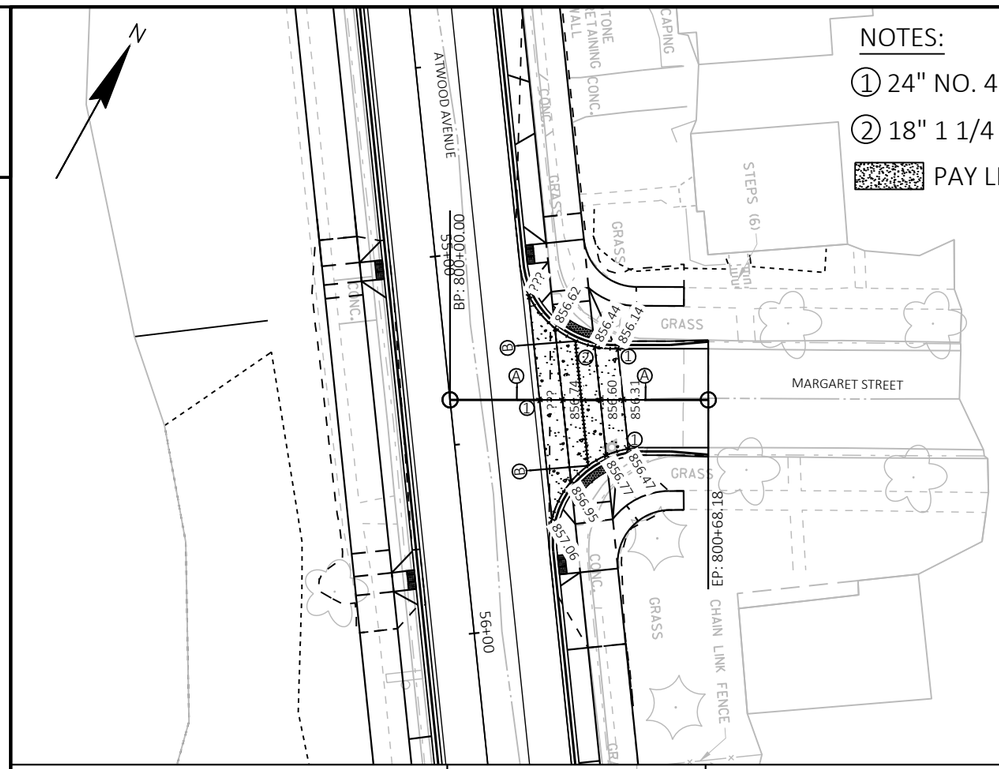
DRIVEWAY SECTION CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
SECTION A-A
SCALE: NONE

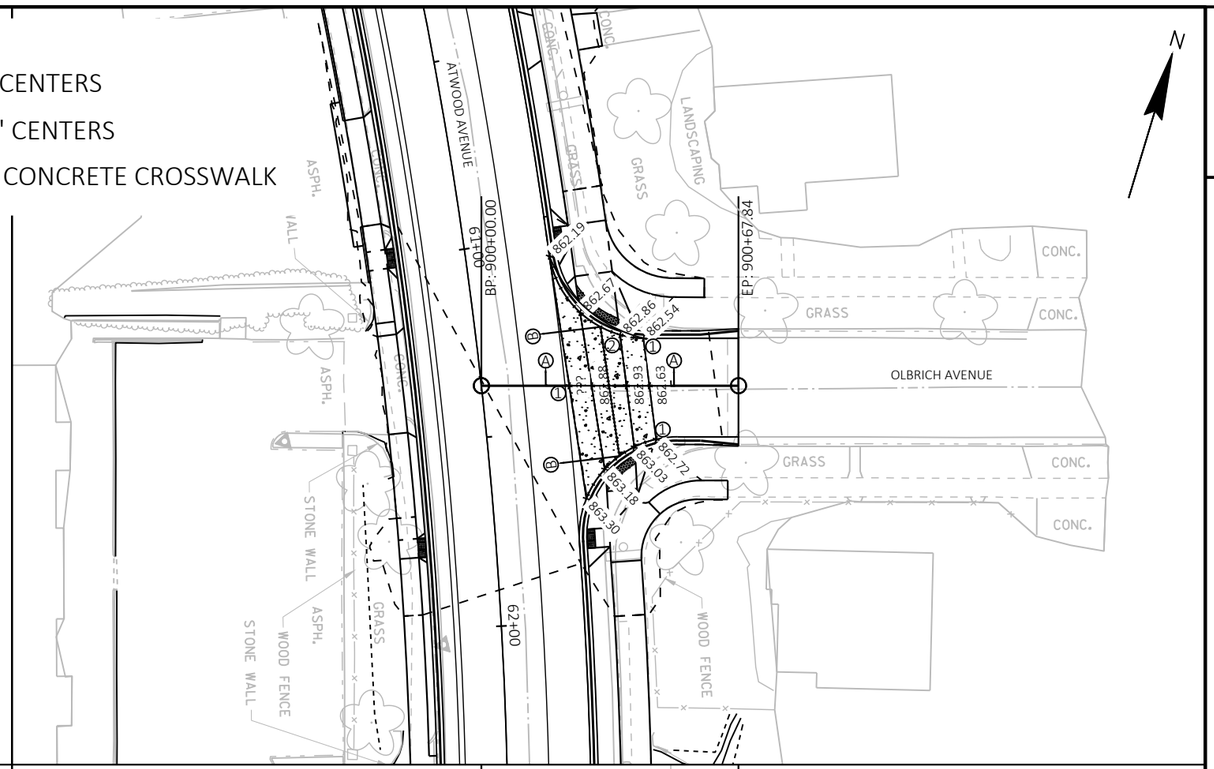
NOTES:

① 24" NO. 4 TIE BARS @ 36" CENTERS

② 18" 1 1/4 " DOWELS @ 12" CENTERS

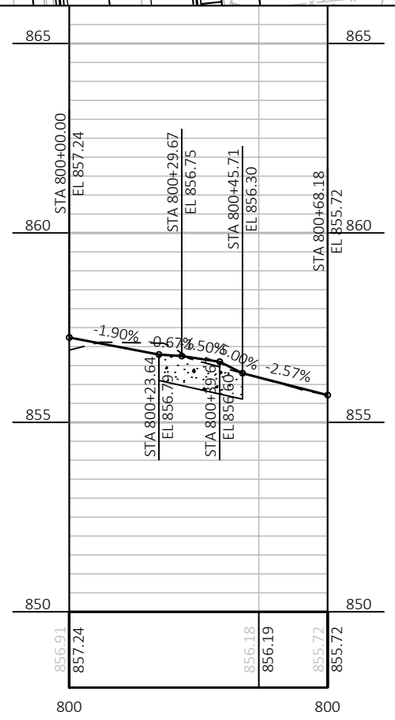
PAY LIMITS OF RAISED CONCRETE CROSSWALK





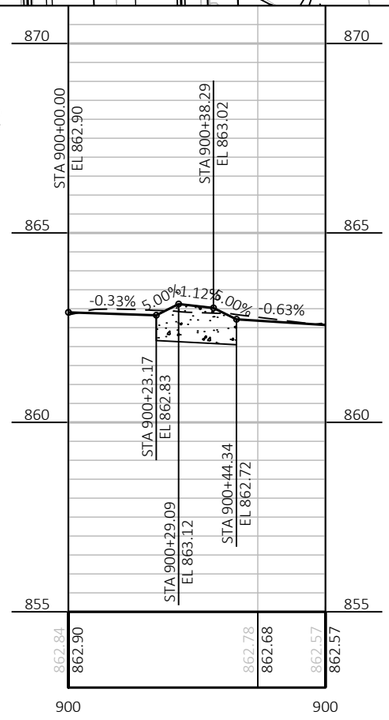
RAISED CONCRETE CROSSWALK

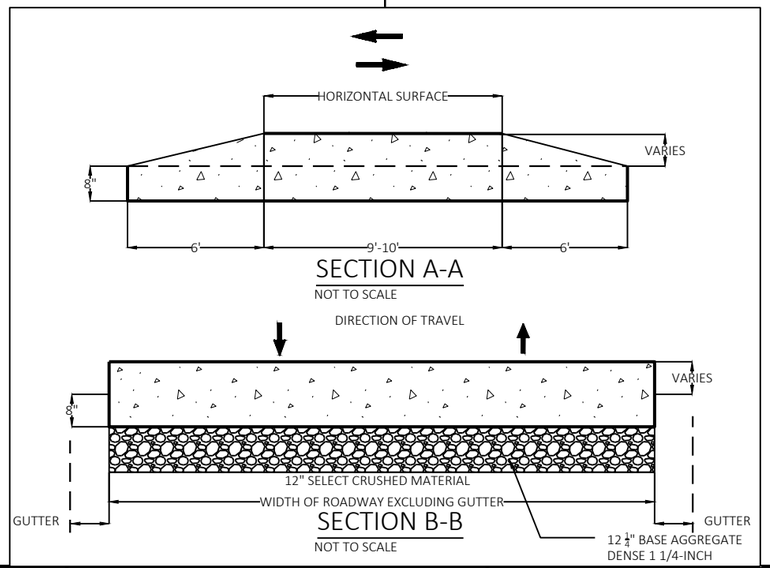
MARGARET STREET
STA. 800+23.64 - STA. 800+45.71



RAISED CONCRETE CROSSWALK

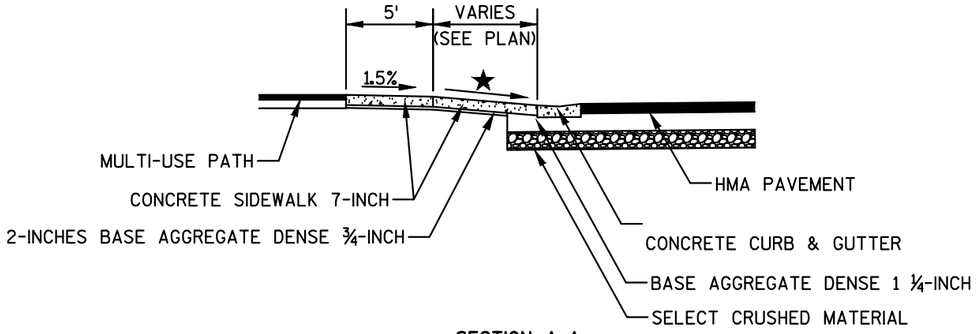
OLBRICH AVENUE
STA. 900+23.17 - STA. 900+44.72



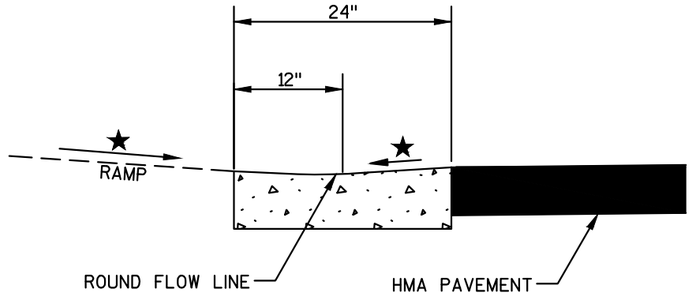


PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 19	E

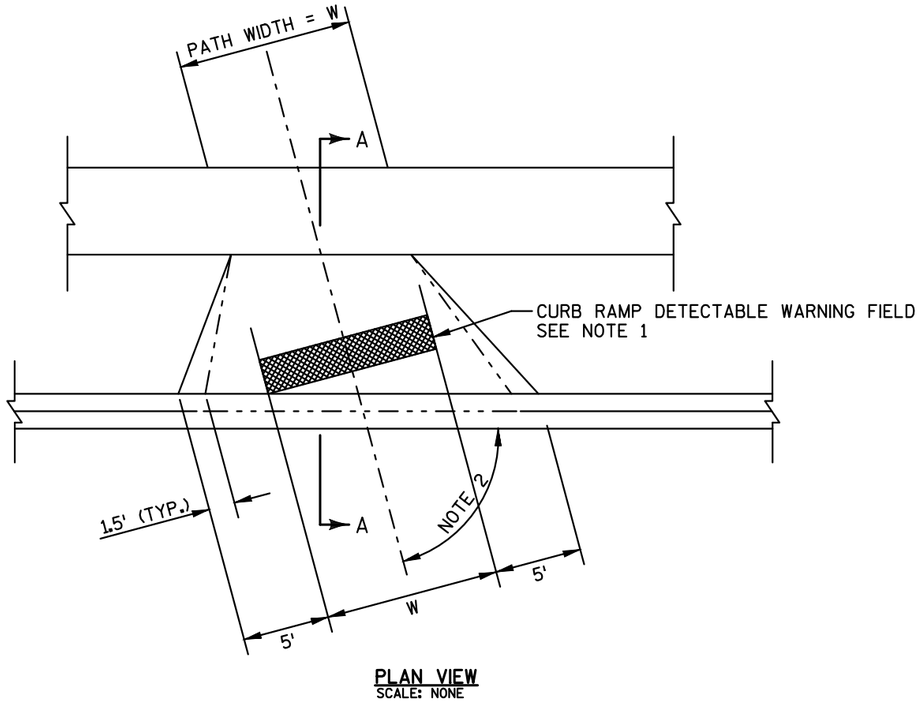
★ ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.



SECTION A-A
SCALE: NONE



CONCRETE CURB & GUTTER
SCALE: NONE

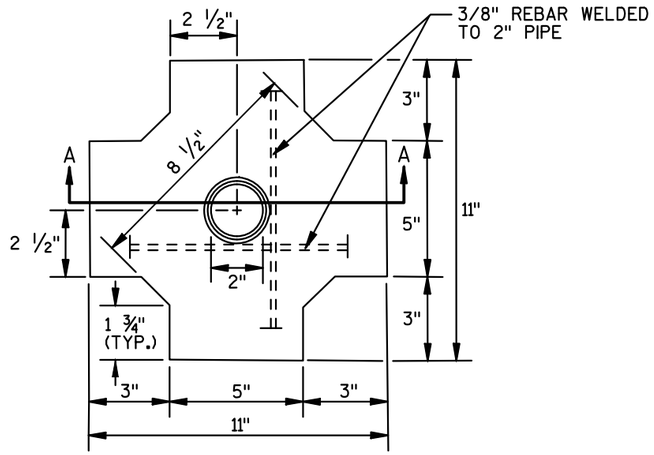


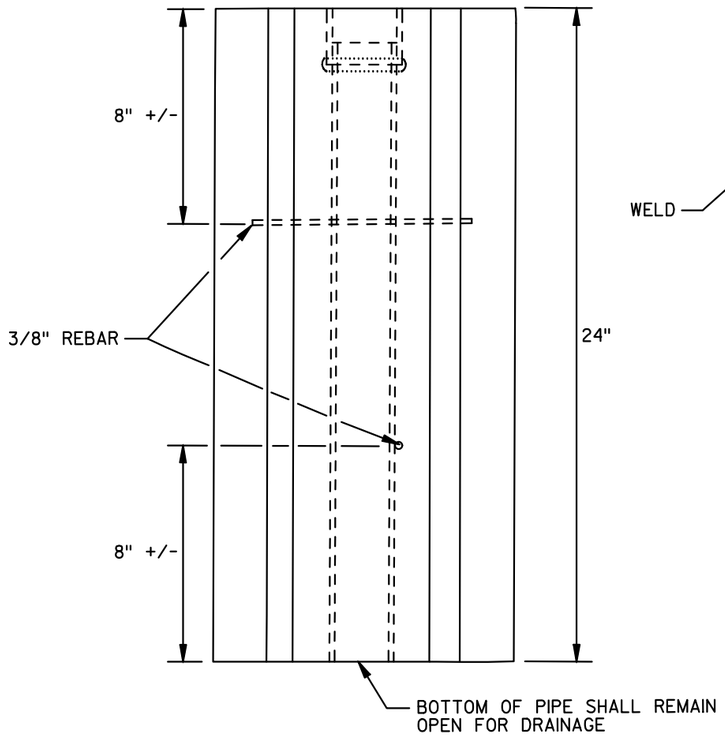
PLAN VIEW
SCALE: NONE

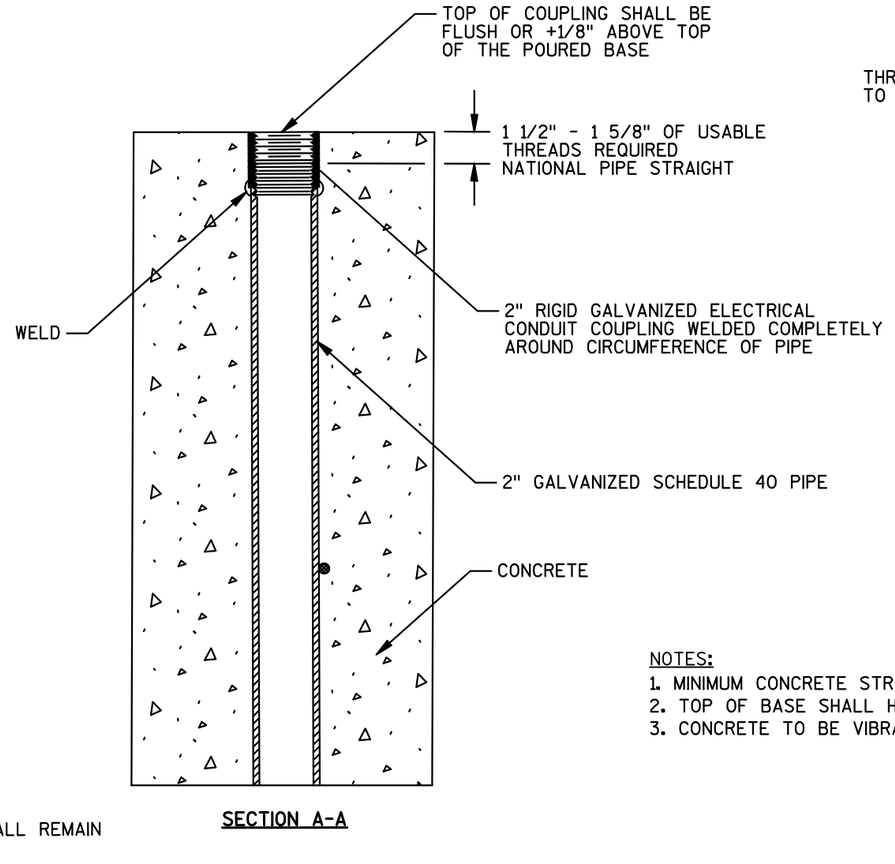
MULTI-USE PATH RAMP DETAIL
SCALE: NONE

NOTES:

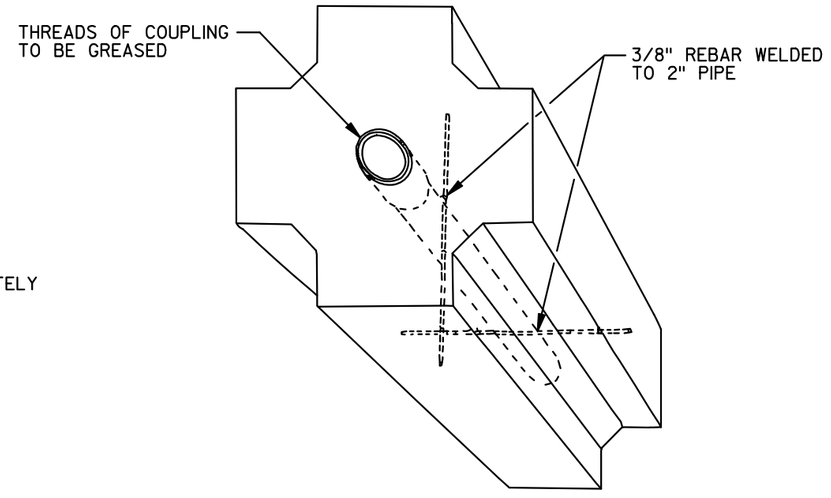
1. CURB RAMP DETECTABLE WARNING FIELDS REQUIRED WHERE PATH RAMP ENTERS A STREET.
2. FOR ANGLES LESS THAN 75° OR GREATER THAN 105° FLARE DIMENSIONS SHALL BE AS SHOWN IN SDD 8D5 CURB RAMPS OR SHALL BE REVIEWED BY THE CONSTRUCTION ENGINEER PRIOR TO CONSTRUCTION.
3. SEE PAVING AND CURB RAMP DETAILS FOR CURB AND GUTTER TYPE







SECTION A-A

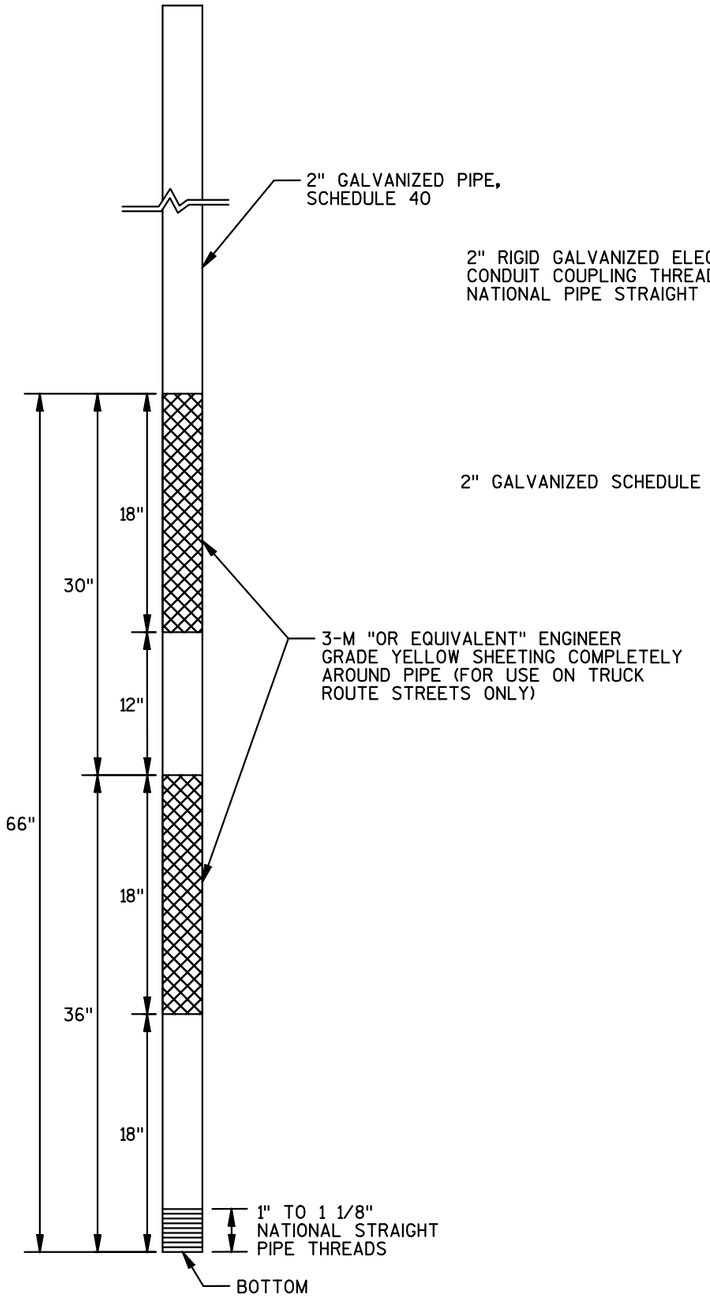


NOTES:
1. MINIMUM CONCRETE STRENGTH TO BE 3200 PSI IN 28 DAYS.
2. TOP OF BASE SHALL HAVE SMOOTH FINISH.
3. CONCRETE TO BE VIBRATED IN FORM TO REMOVE AIR POCKETS.

PRECAST CONCRETE SIGN BASE

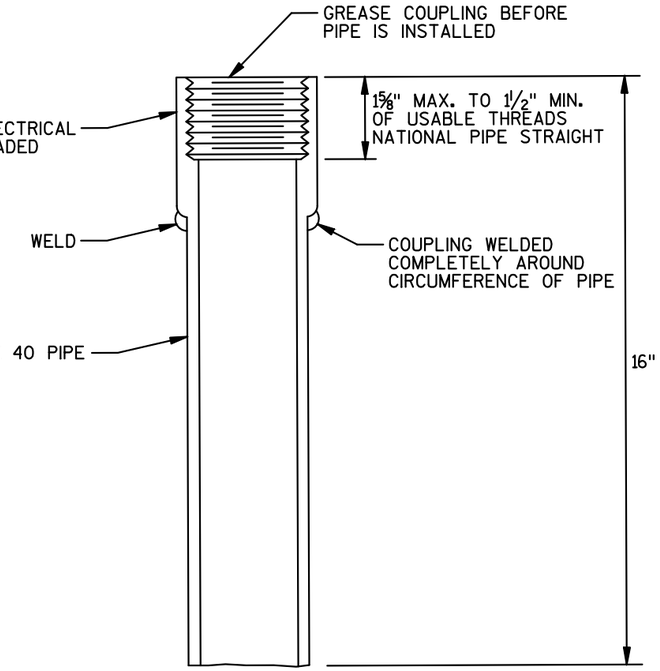
SCALE: NONE

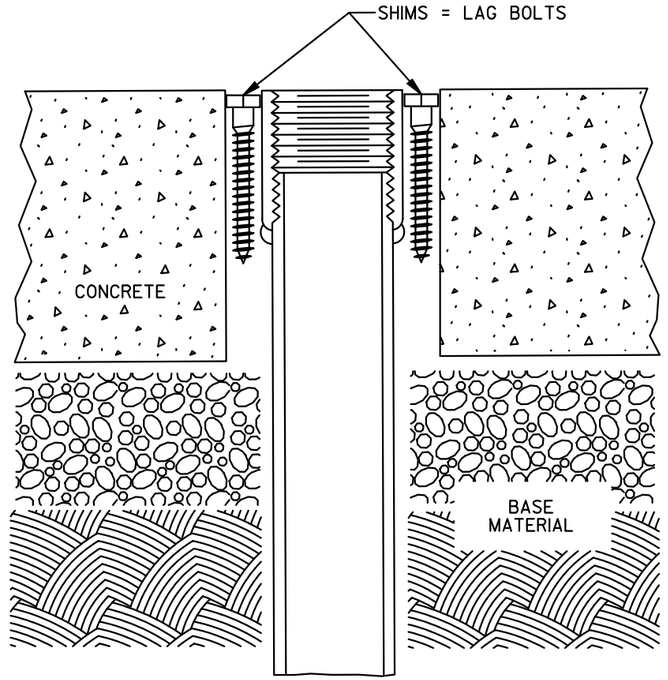
(CITY OF MADISON S.D.D. 6.42)



SIGN POST AND REFLECTIVE SIGN POST DETAIL
SCALE: NONE

(CITY OF MADISON S.D.D. 6.43)





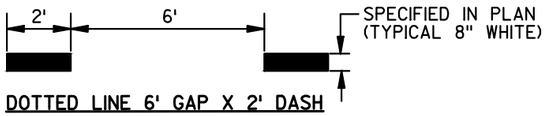
NOTES:
DRILL OR COREDRILL 3 1/8" HOLE ALL THE WAY THROUGH THE CONCRETE TO THE BASE MATERIAL. TEMPORARILY HAND-TIGHTEN A THREADED PIPE ABOUT 4 FEET LONG INTO THE INSERT (SEE INSERT DETAIL). DRIVE THE INSERT INTO THE BASE MATERIAL AT A LEVEL/PLUMB POSITION UNTIL THE INSERT IS FLUSH WITH THE TOP OF THE CONCRETE. SHIM INSERT TO A LEVEL/PLUMB POSITION USING VARIOUS SIZES OF LAG BOLTS. REMOVE TEMPORARY PIPE, INSTALL PERMANENT PIPE. USE LARGE PIPE WRENCH TO TIGHTEN UNTIL INSERT TURNS, THEN RESET SHIMS/OR ADD SHIMS UNTIL PIPE NO LONGER TURNS. RE-TIGHTEN PIPE, RECHECK LEVEL/PLUMB/TOP OF CONCRETE WITH INSERT. MIX UP A BATCH OF WATERPROOF ANCHORING CEMENT FOR CONCRETE THAT HAS A COMPRESSIVE STRENGTH OF 8000 PSI AT 28 DAYS. THE ANCHORING CEMENT SHALL BE MIXED UP TO A LIQUID CONSISTENCY, NOT A PASTE. POUR THE ANCHORING CEMENT BETWEEN THE CONCRETE AND OUTSIDE OF THE PIPE, UNTIL FLUSH WITH THE TOP OF THE INSERT. QUICKLY RECHECK INSERT FOR LEVEL/PLUMB/TOP OF CONCRETE SINCE THE ANCHORING CEMENT IS FAST-SETTING. ADD MORE ANCHORING CEMENT AS IT SETTLES. INSTALLATION SHALL BE LEVEL/PLUMB, SOLID AND STRONG WHEN COMPLETED.

SIGN POST FOR CONCRETE INSTALLATION DETAIL
SCALE: NONE

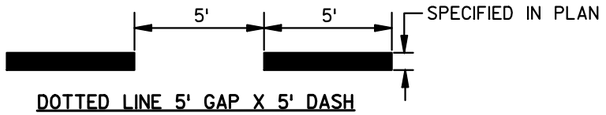
(CITY OF MADISON S.D.D. 6.41)

2

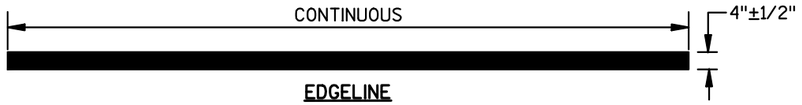
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 22 E



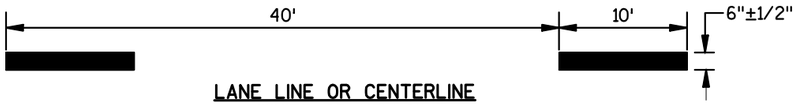
DOTTED LINE 6' GAP X 2' DASH
(WHITE OR YELLOW)



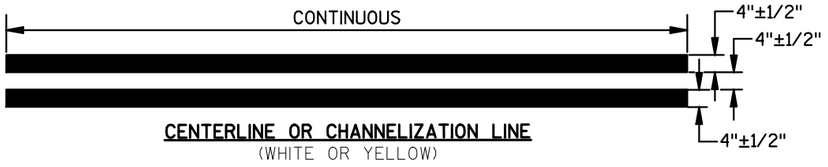
DOTTED LINE 5' GAP X 5' DASH
(WHITE OR YELLOW)



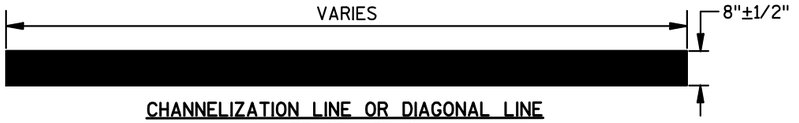
EDGELINE
(WHITE OR YELLOW)



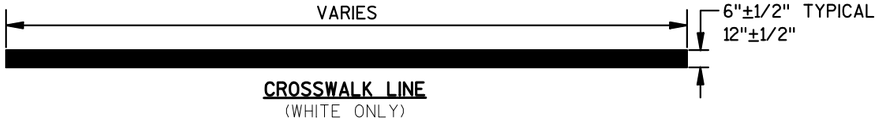
LANE LINE OR CENTERLINE
(WHITE OR YELLOW)



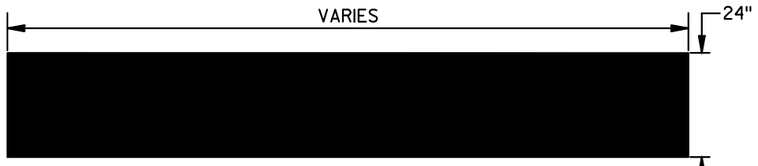
CENTERLINE OR CHANNELIZATION LINE
(WHITE OR YELLOW)



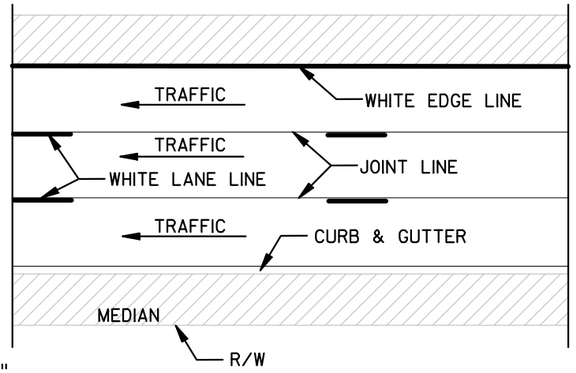
CHANNELIZATION LINE OR DIAGONAL LINE
(WHITE OR YELLOW)



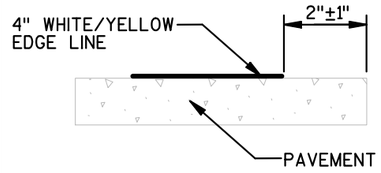
CROSSWALK LINE
(WHITE ONLY)



STOP LINE OR CROSSWALK LINE
(WHITE ONLY)



MARKING PLACEMENT DETAIL



EDGE LINE PLACEMENT

GENERAL NOTES FOR EPOXY PAVEMENT MARKINGS

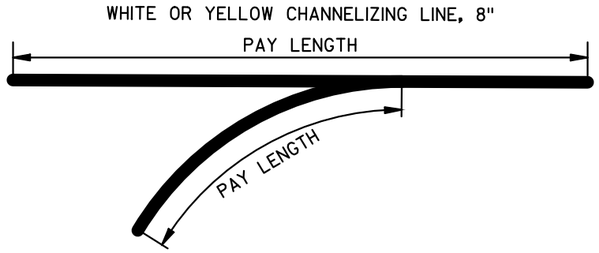
APPLY ALL MARKINGS IN ACCORDANCE WITH THE STATE OF WISCONSIN MANUAL ON TRAFFIC CONTROL DEVICES.

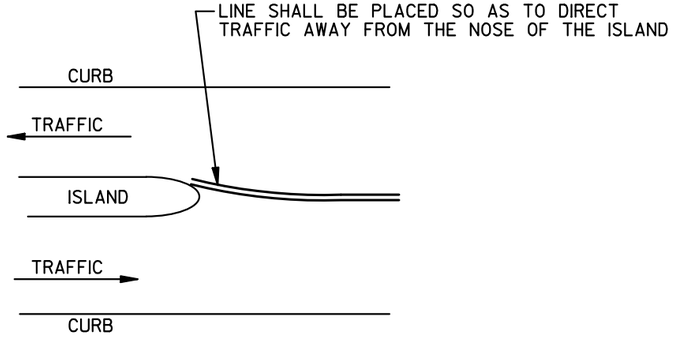
AT STREET INTERSECTIONS, MARKINGS START OR END AT THE MARKED CROSSWALK. THE PROPERTY LINE EXTENDED, IF THERE IS NO MARKED CROSSWALK.

CROSSWALKS AND STOP BARS WILL BE PLACED NO CLOSER THAN 2' TO THE FACE OF CURB.

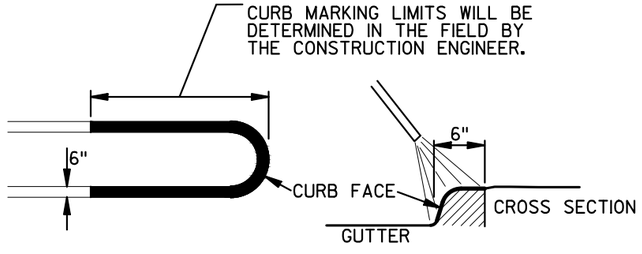
ADHERE TO THE TRAFFIC SPECIFICATION IN THE SPECIAL PROVISIONS AT ALL TIMES.

FOR MORE INFORMATION AND FULL SIZE PATTERNS FOR ARROWS & WORD LEGENDS ARE AVAILABLE AT THE CITY OF MADISON TRAFFIC ENGINEERING FIELD OPERATIONS FACILITY 1120 SAYLE ST. (608) 266-4767

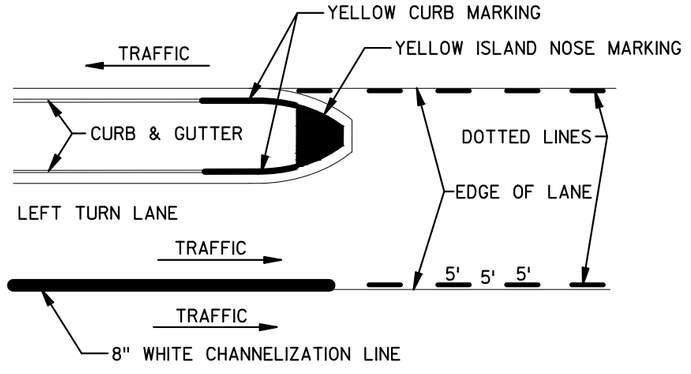




ISLAND APPROACH



CURB & ISLAND MARKING DETAILS

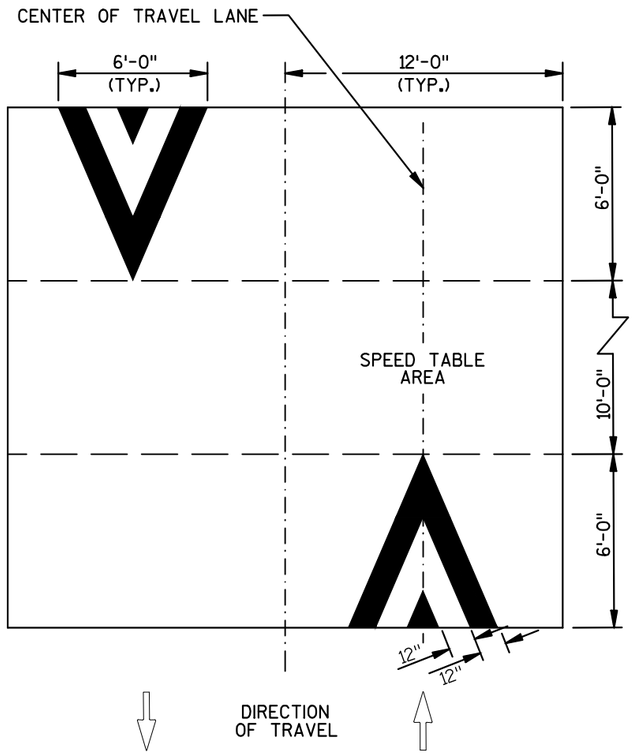


LEFT TURN LANE

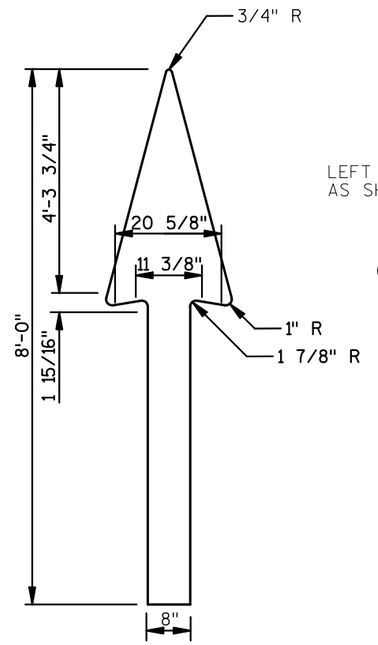
PERMANENT PAVEMENT MARKING DETAILS
SCALE: NONE

(CITY OF MADISON S.D.D. 6.37)

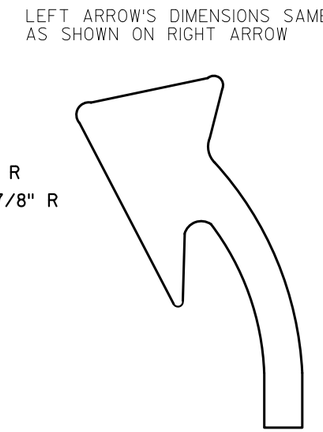
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 23 E



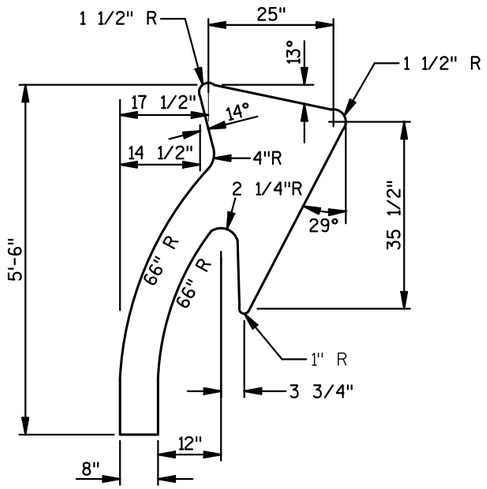
MARKINGS FOR RAISED CROSSWALKS



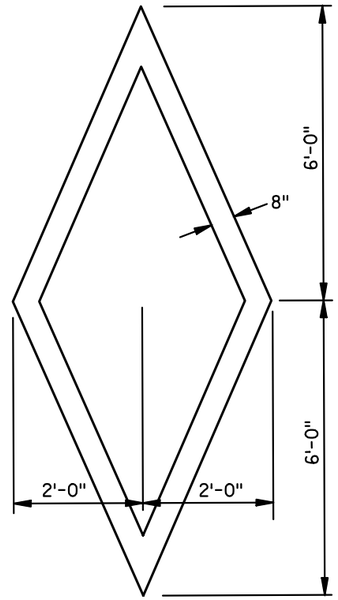
STRAIGHT ARROW



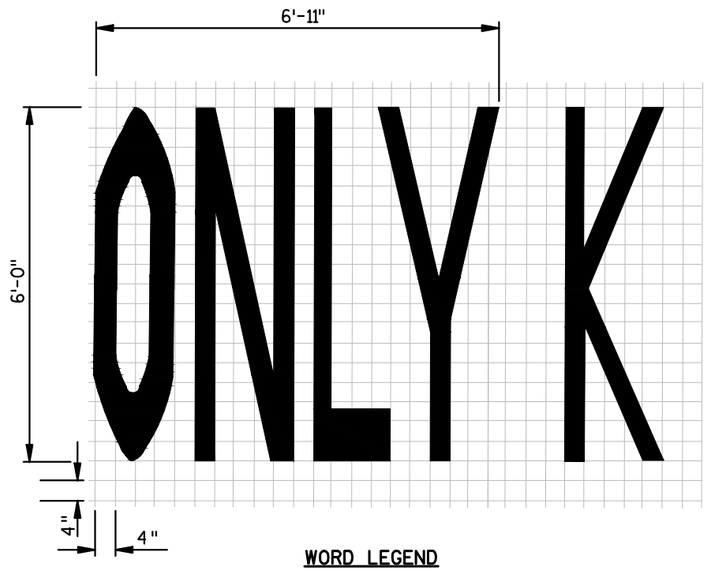
LEFT ARROW



RIGHT ARROW



RESTRICTED LANE SYMBOL



WORD LEGEND

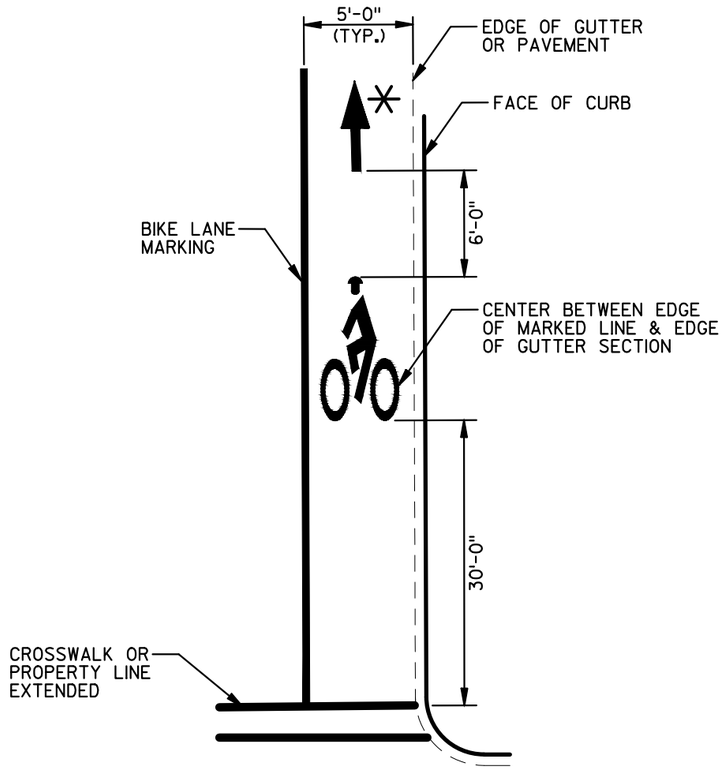
FULL SIZE PATTERNS FOR ARROWS &
WORD LEGENDS ARE AVAILABLE AT:
CITY OF MADISON TRAFFIC ENGINEERING
FIELD OPERATIONS FACILITY
1120 SAYLE ST. (608) 266-4767

RESTRICTED TRAFFIC LANE PAVEMENT MARKING DETAILS
SCALE: NONE

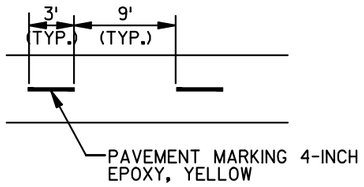
(CITY OF MADISON S.D.D. 6.39)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 24	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\021001-CD.DWG
LAYOUT NAME - 021011-cd
PLOT DATE : 9/13/2022 8:26 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : ##########



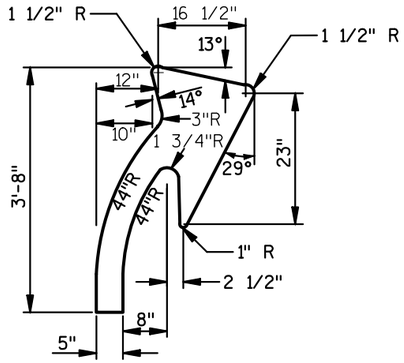
BIKE LANE SYMBOL &
OPTIONAL ARROW LAYOUT
(CURBSIDE)



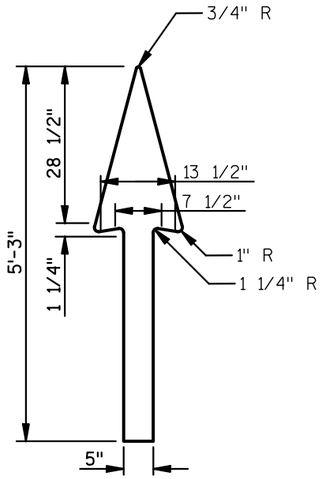
TYPICAL BIKE PATH PAVEMENT MARKINGS

LEFT ARROW'S DIMENSIONS SAME
AS SHOWN ON RIGHT ARROW

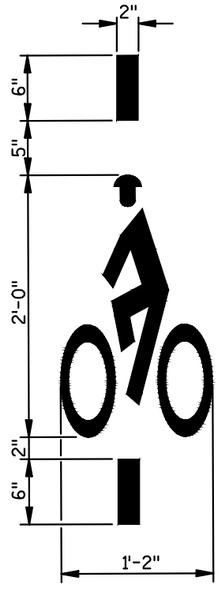
LEFT ARROW



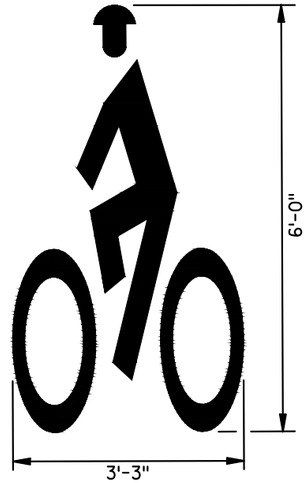
RIGHT ARROW



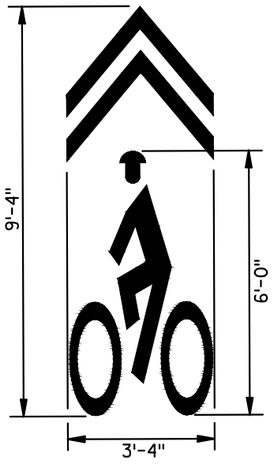
STRAIGHT ARROW



BICYCLE DETECTOR PAVEMENT MARKING



BIKE LANE SYMBOL FACING TRAFFIC LANE



SHAROW DETAIL

BIKE LANE PAVEMENT MARKING DETAILS
SCALE: NONE

FULL SIZE PATTERNS FOR ARROWS &
WORD LEGENDS ARE AVAILABLE AT:
CITY OF MADISON TRAFFIC ENGINEERING
FIELD OPERATIONS FACILITY
1120 SAYLE ST. (608) 266-4767

(CITY OF MADISON S.D.D. 6.40)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 25	E

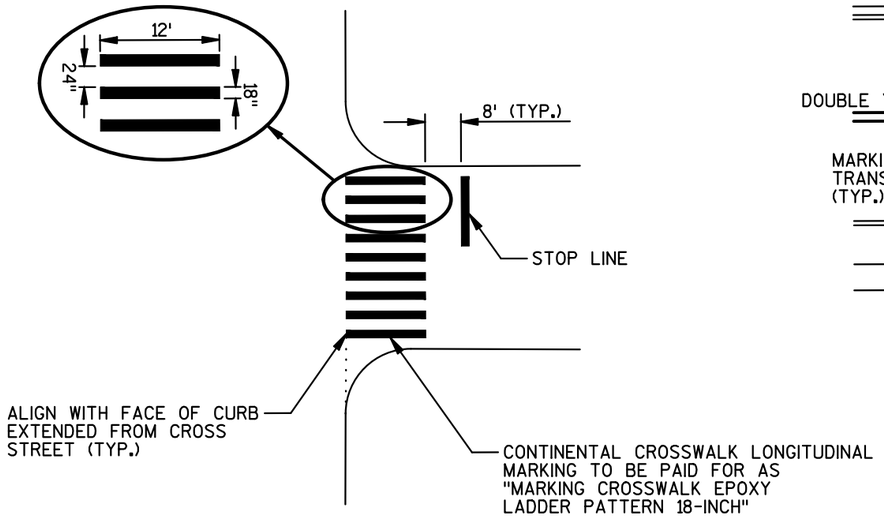
2

CONTINENTAL CROSSWALK NOTES

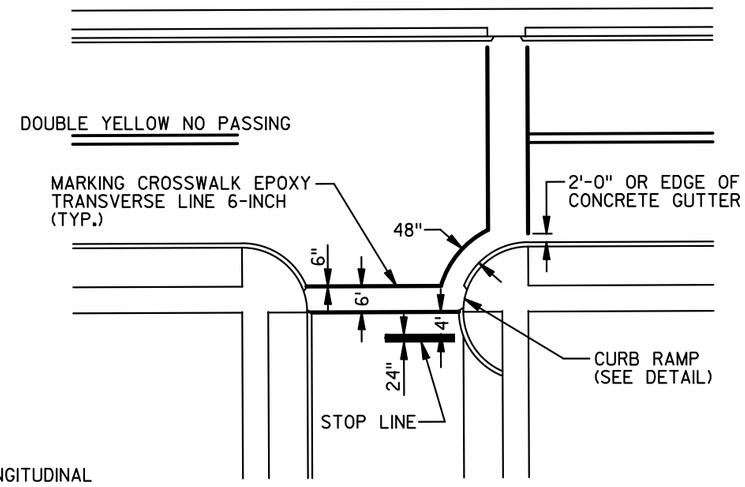
CONTINENTAL CROSSWALKS HAVE 18 INCH WIDE 12 FOOT LONG CROSSBARS PLACED IN LINE WITH THE TRAFFIC FLOW.

THE SPACING OR GAP BETWEEN THE CROSSBARS IS 24 INCHES.

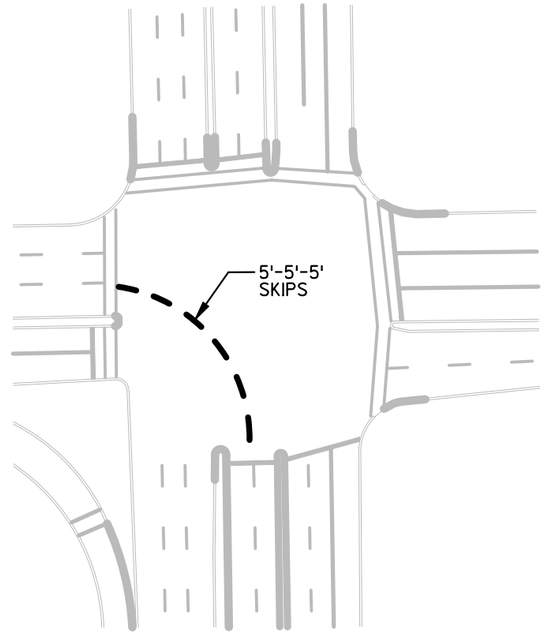
THE CROSSBARS SHALL BE PLACED IN A MANNER THAT MINIMIZES CONTACT WITH VEHICLES TIRES.



CONTINENTAL CROSSWALK & STOP LINE DETAILS



CROSSWALK & STOP LINE DETAILS



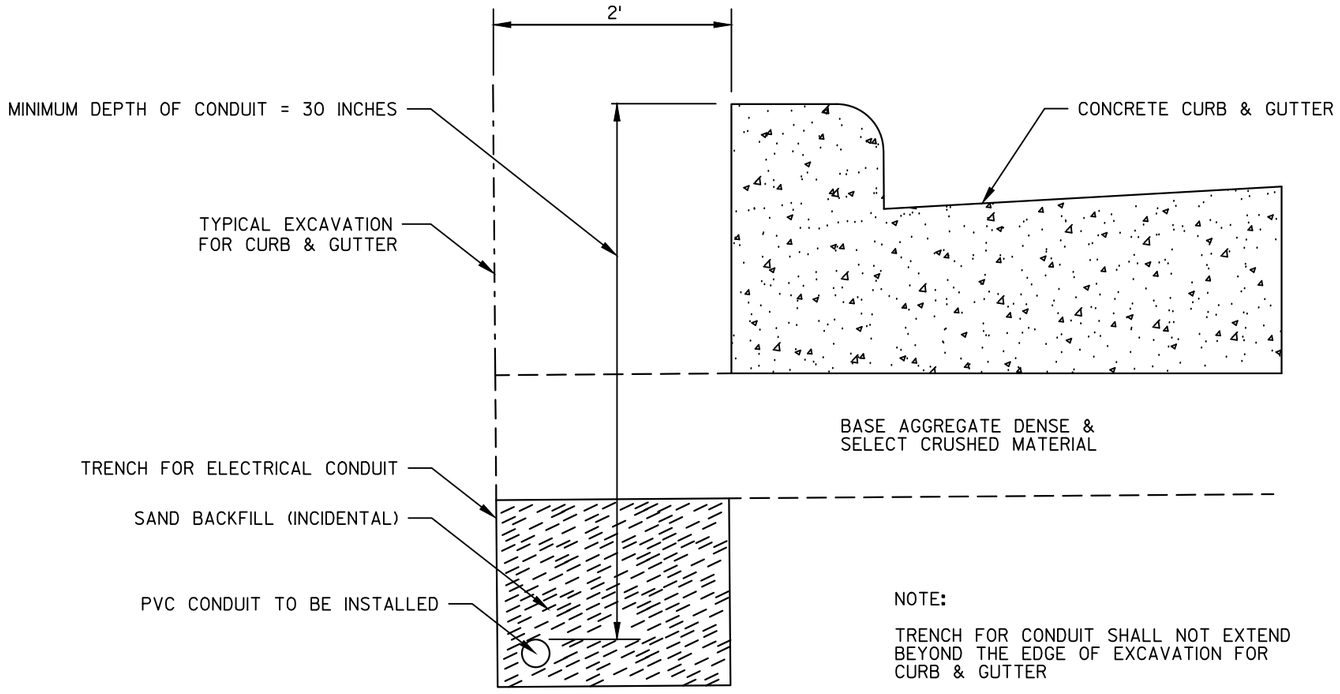
TURN RADIUS LINE DETAIL

PAVEMENT MARKING DETAILS

SCALE: NONE

(CITY OF MADISON S.D.D. 6.38)

2

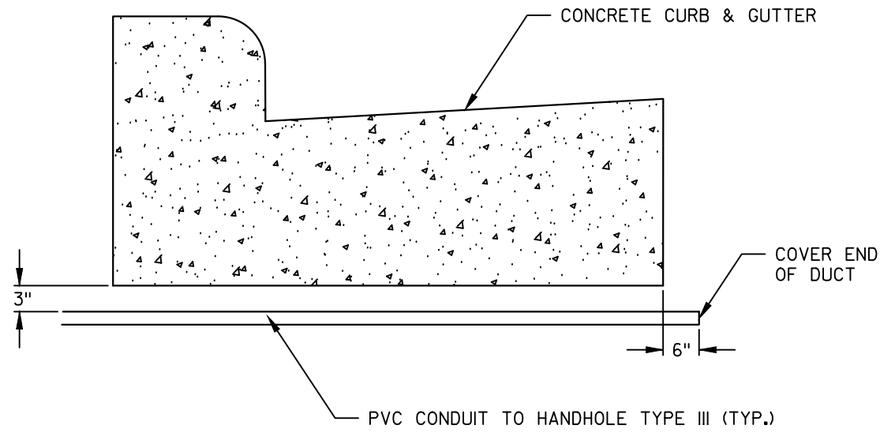


NOTE:

TRENCH FOR CONDUIT SHALL NOT EXTEND BEYOND THE EDGE OF EXCAVATION FOR CURB & GUTTER

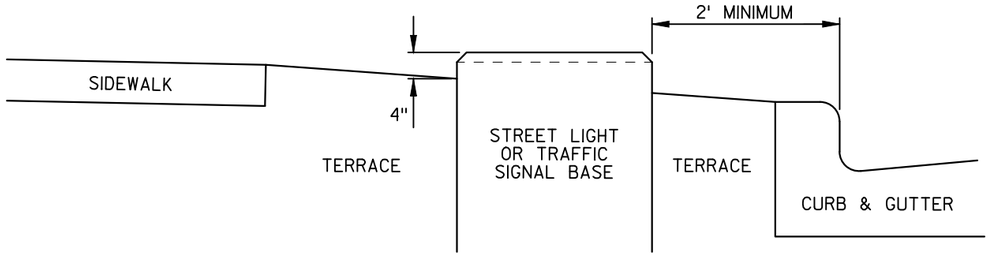
TYPICAL CONDUIT INSTALLATION PARALLEL TO CURB & GUTTER DETAIL
SCALE: NONE

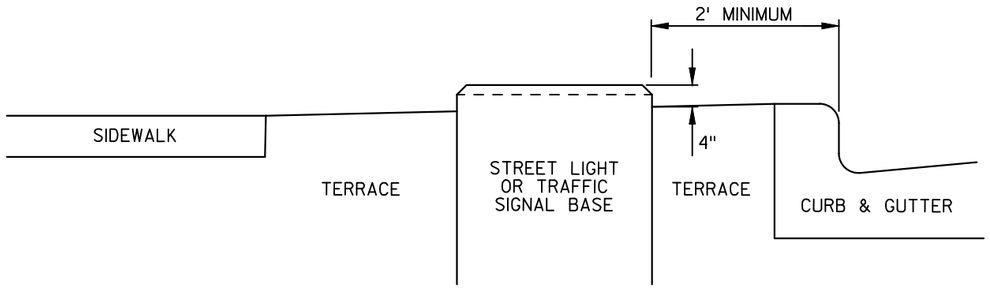
(CITY OF MADISON S.D.D. 6.46)

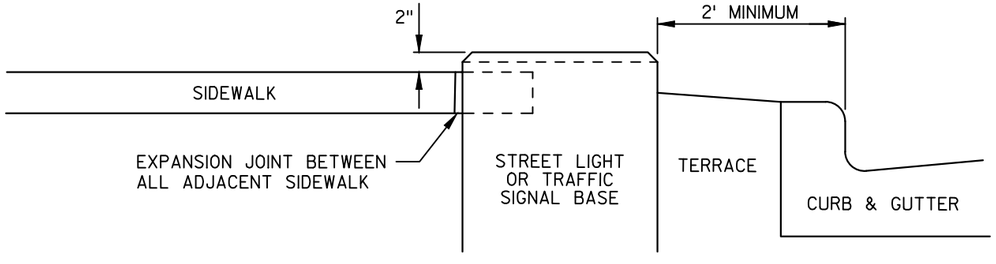


LOOP LEAD DUCT DETAIL
SCALE: NONE

(CITY OF MADISON S.D.D. 6.04)

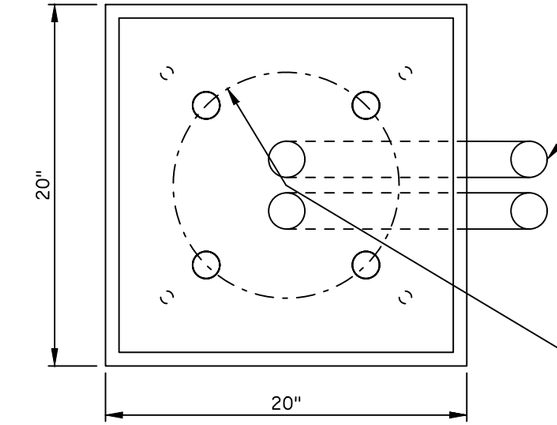






TYPICAL ELEVATIONS FOR BASES
SCALE: NONE

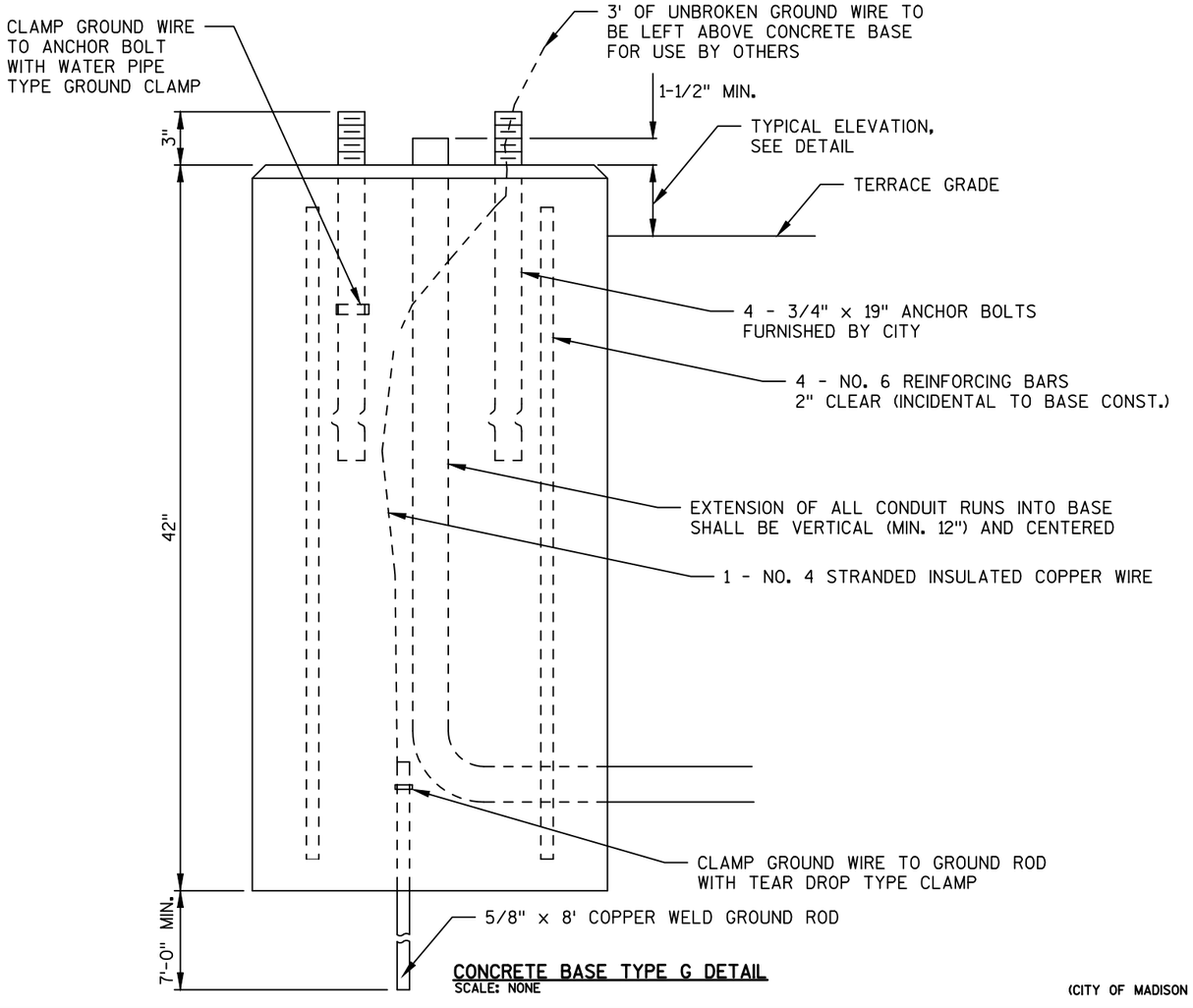
(CITY OF MADISON S.D.D. 6.01)



NOTES:

FORMS SHALL BE OF SUFFICIENT DEPTH TO PROVIDE A MINIMUM OF 12" OF FORMED BASE BELOW GRADE ON THE LOW SIDE.

ALL CONDUIT AND ELBOWS SHOWN IN CONCRETE BASE TO BE INCLUDED IN UNIT PRICE FOR TYPE "G" TRAFFIC SIGNAL BASE.

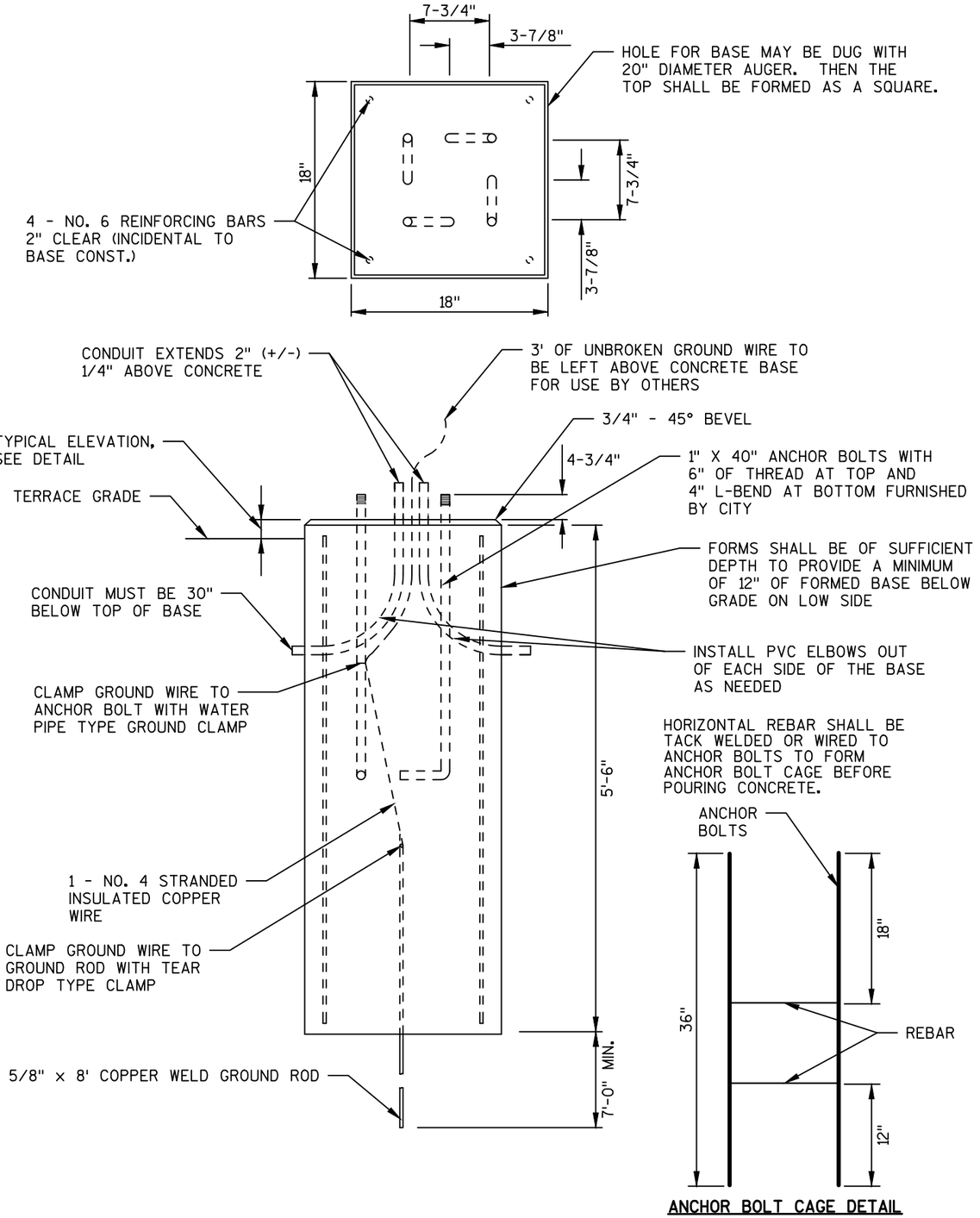


CONCRETE BASE TYPE G DETAIL
SCALE: NONE

(CITY OF MADISON S.D.D. 6.11)

2

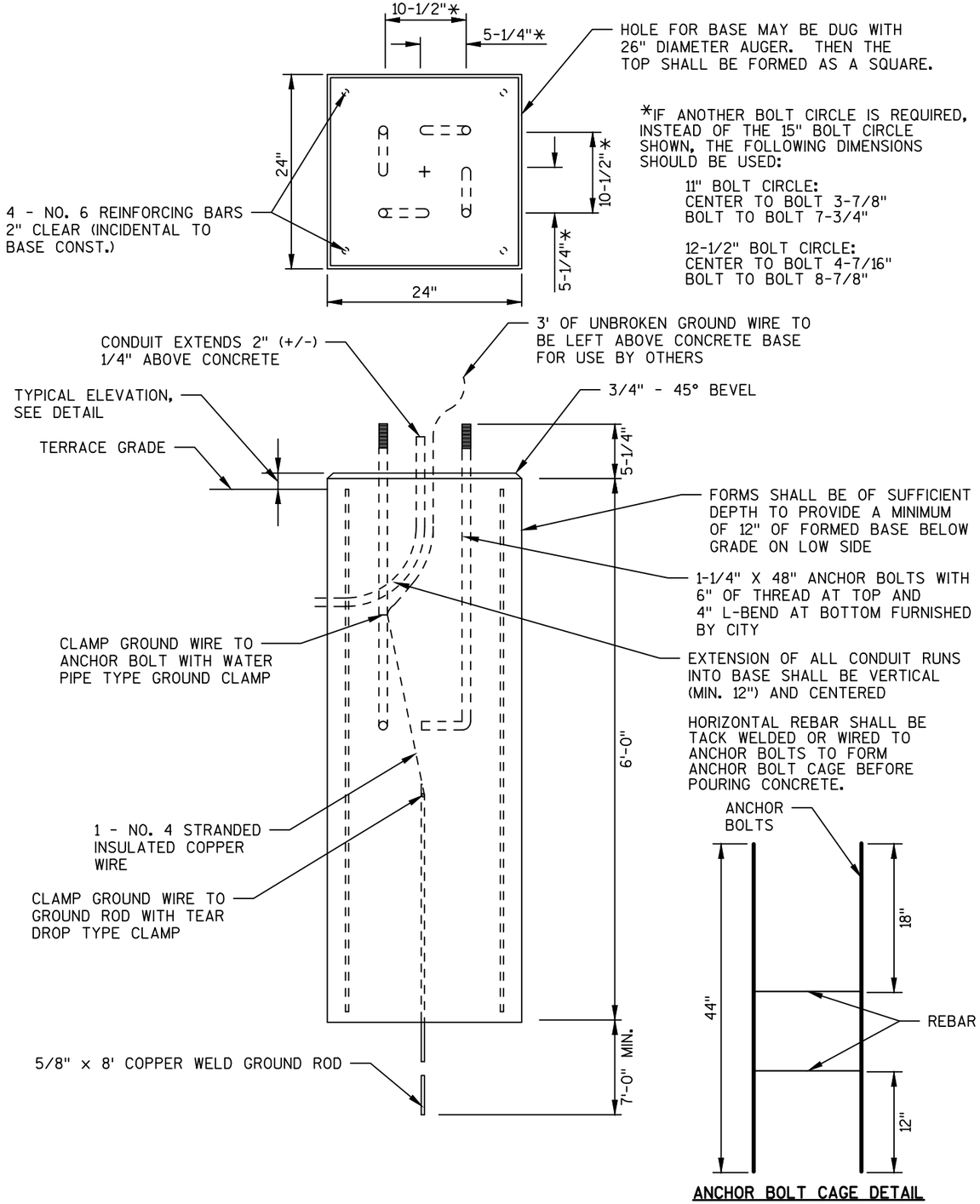
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 28 E



CONCRETE BASE TYPE LB-3 DETAIL
SCALE: NONE

ANCHOR BOLT CAGE DETAIL

(CITY OF MADISON S.D.D. 6.14)



CONCRETE BASE TYPE LB-8 DETAIL
SCALE: NONE

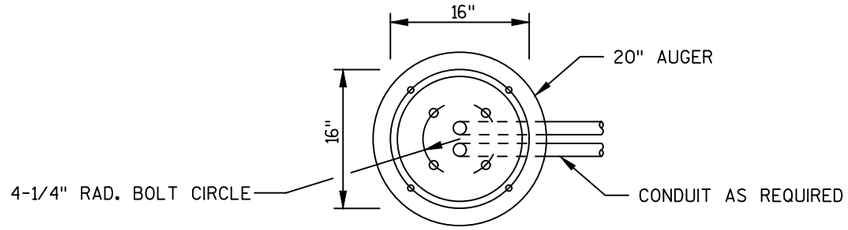
ANCHOR BOLT CAGE DETAIL

(CITY OF MADISON S.D.D. 6.19)

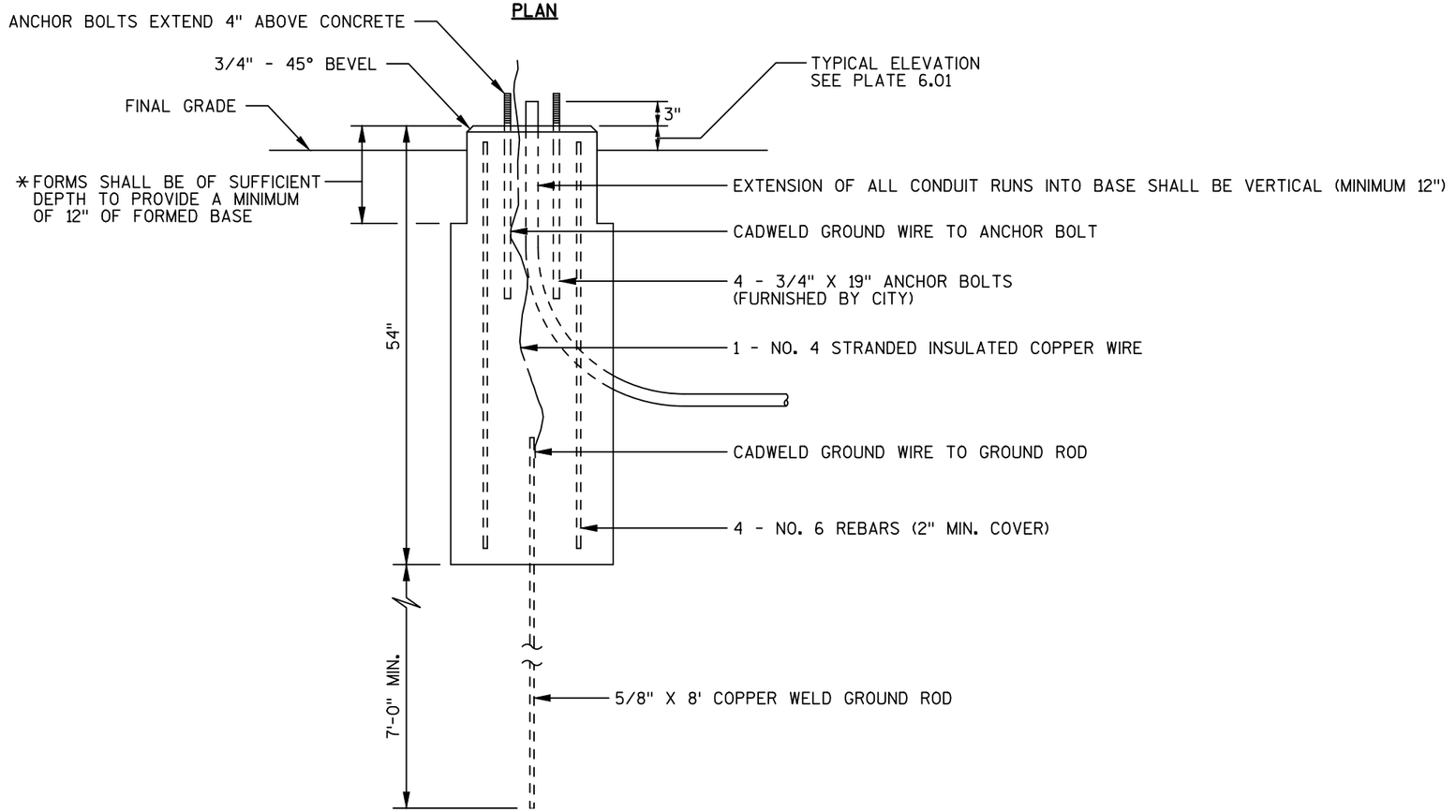
2

2

*TOP 12" OF FORMED BASE TO BE ROUND, 16" DIAMETER AS SHOWN, OR AS DIRECTED BY THE ENGINEER



PLAN

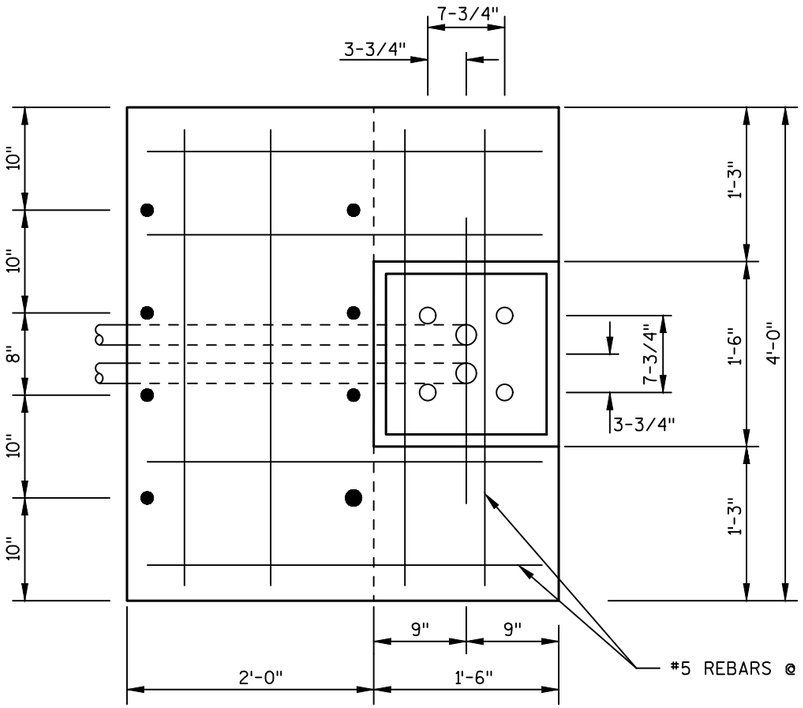


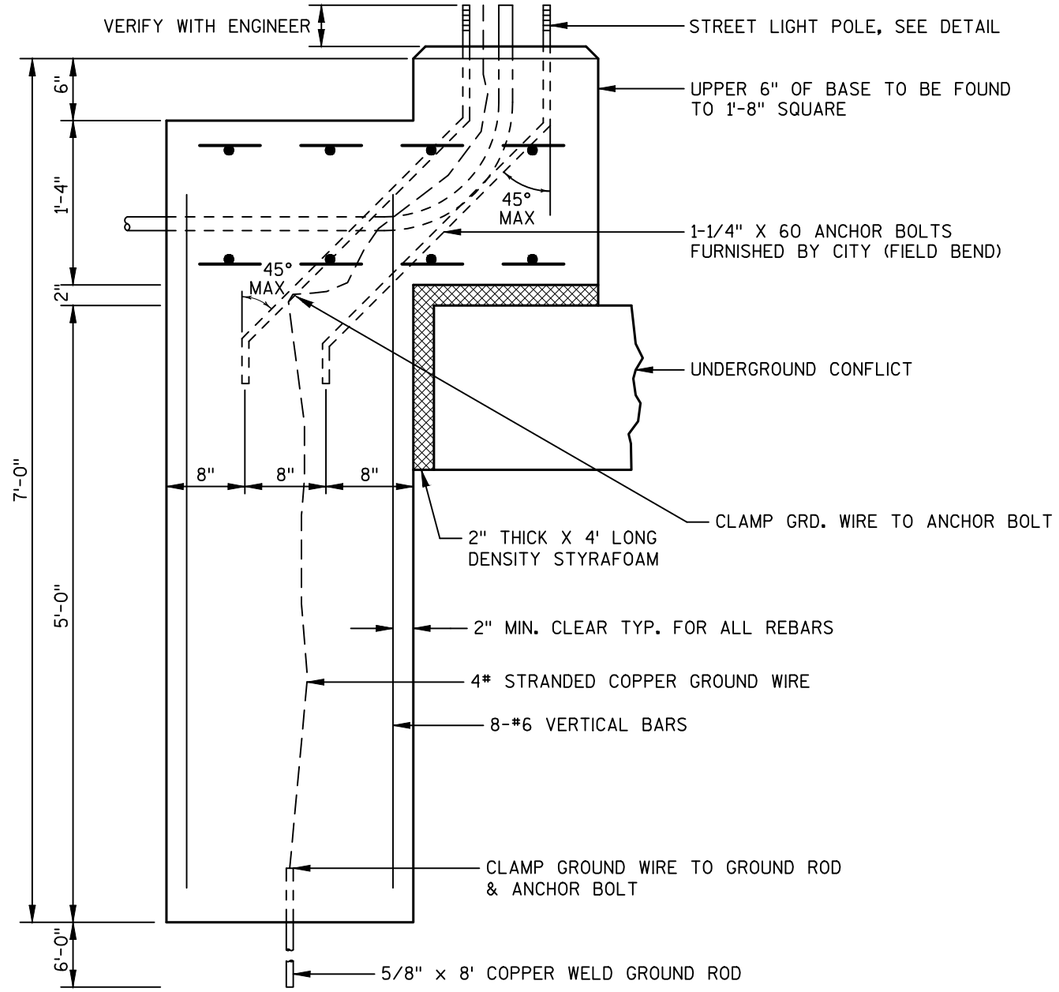
ELEVATION

CONCRETE BASE TYPE LB-2 DETAIL
SCALE: NONE

(CITY OF MADISON S.D.D. 6.13)

2

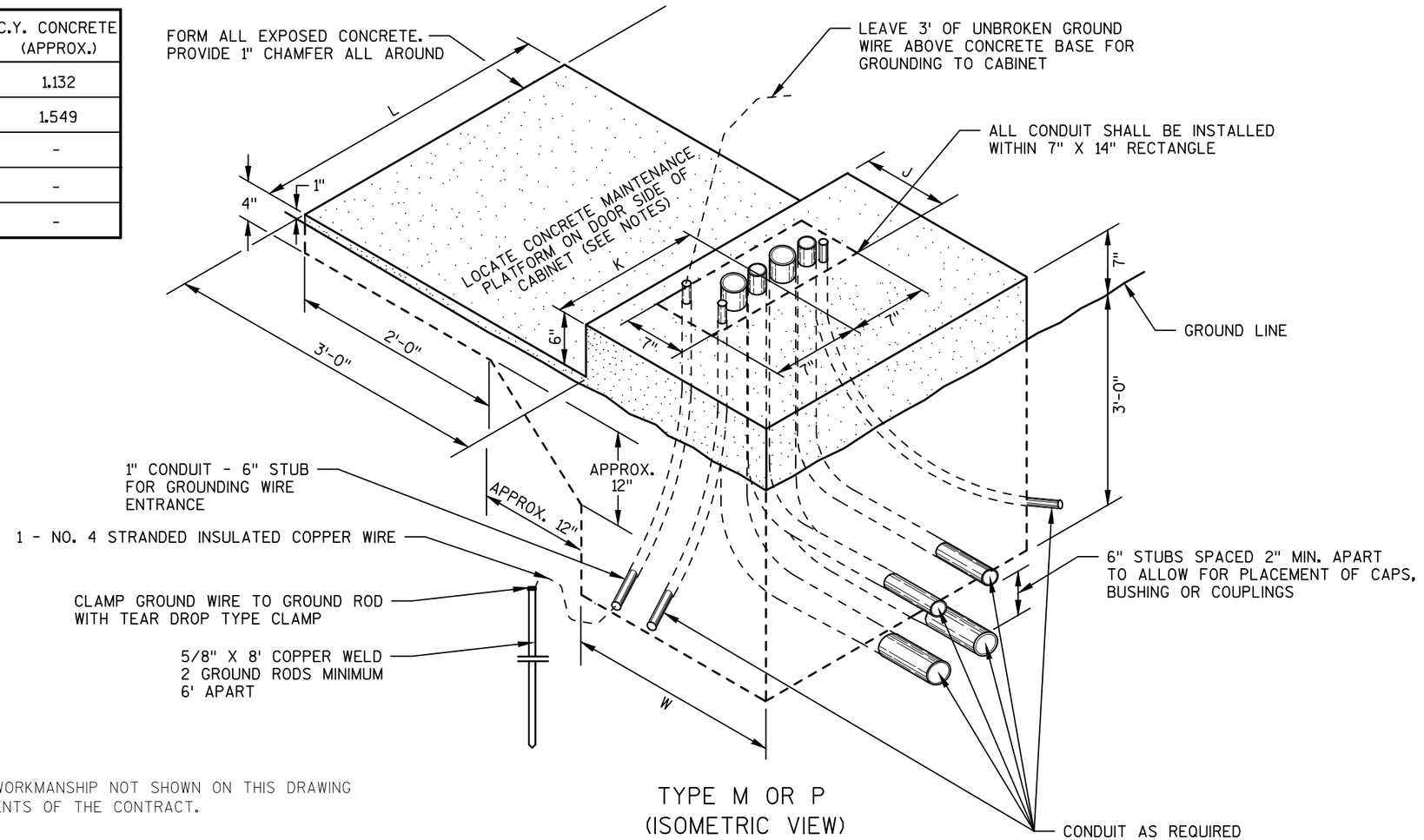




CONCRETE BASE OFFSET DETAIL
SCALE: NONE

(CITY OF MADISON S.D.D. 6.20)

CONTROL CABINET BASE TYPE	DIMENSIONS				C.Y. CONCRETE (APPROX.)
	L	W	J	K	
TYPE M	40"	30"	12"	20"	1.132
TYPE P	48"	30"	16"	24"	1.549
TYPE M MODIFIED	-	-	-	-	-
TYPE P MODIFIED	-	-	-	-	-
TYPE OTHER	-				-



TYPE M OR P
(ISOMETRIC VIEW)

CONCRETE CONTROL CABINET BASES

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.

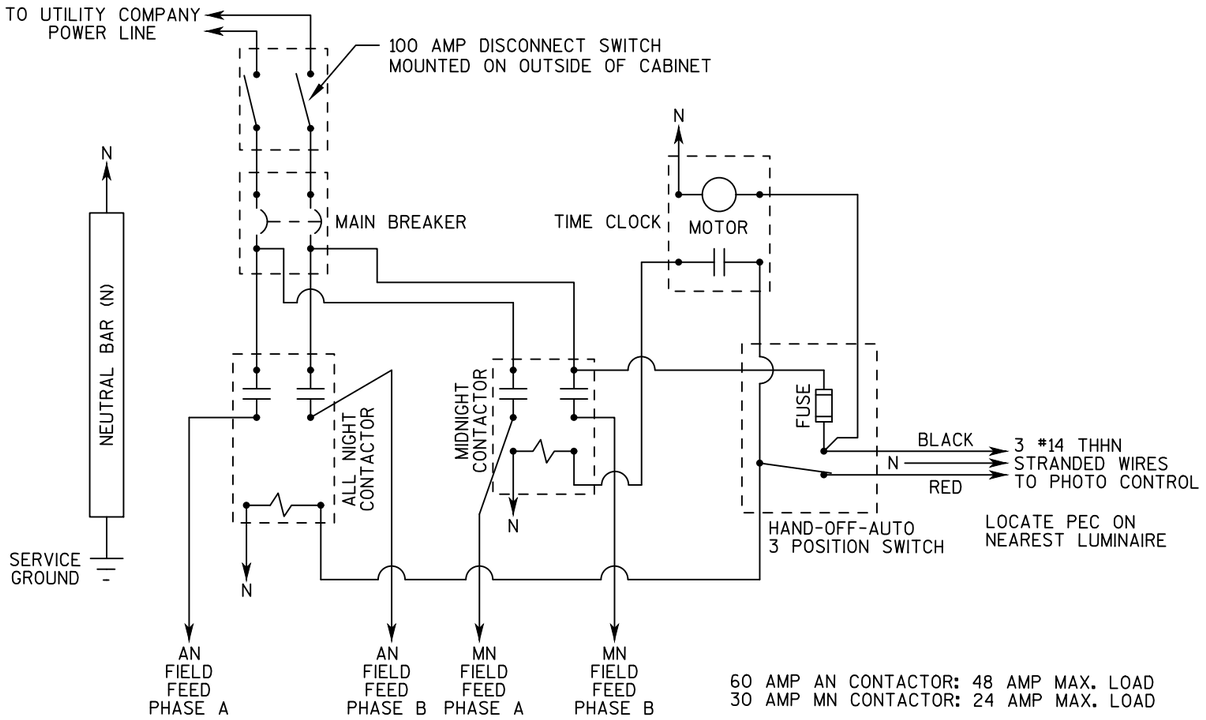
CONDUITS SHALL EXIT THE BASE IN THE DIRECTION OF THE STRUCTURE IT IS TERMINATING INTO.

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

CONCRETE BASE TYPES M AND P DETAIL
SCALE: NONE

(CITY OF MADISON S.D.D. 6.10)

2



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

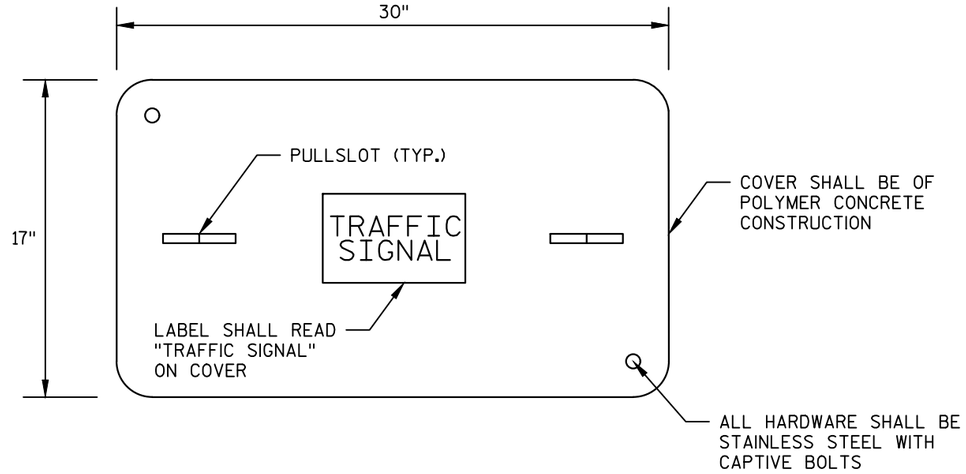
60 AMP CONTACTOR FOR #6 WIRE
100 AMP CONTACTOR FOR #4 WIRE

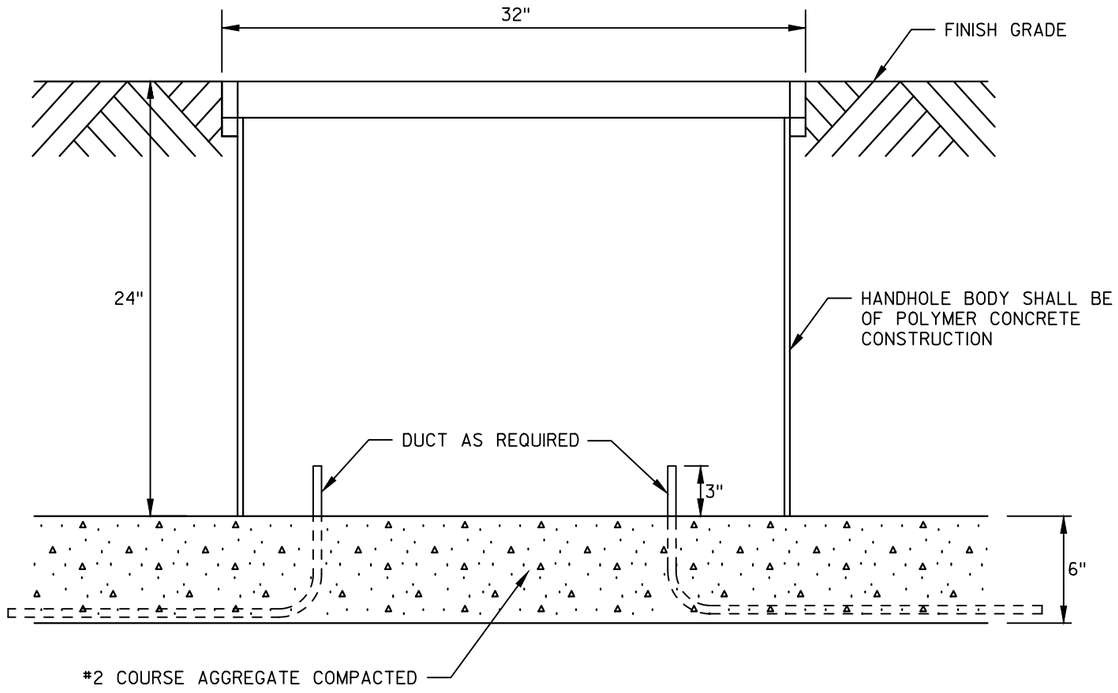
NOTE:
CONTRACTOR SHALL CONNECT CIRCUIT WIRING IN SUCH A MANNER TO BALANCE THE LOAD BETWEEN PHASE A AND B AS CLOSE AS POSSIBLE AND AS DIRECTED BY THE ENGINEER.

120V STREET LIGHT CONTROL PANEL ELECTRICAL SERVICE DETAIL

SCALE: NONE

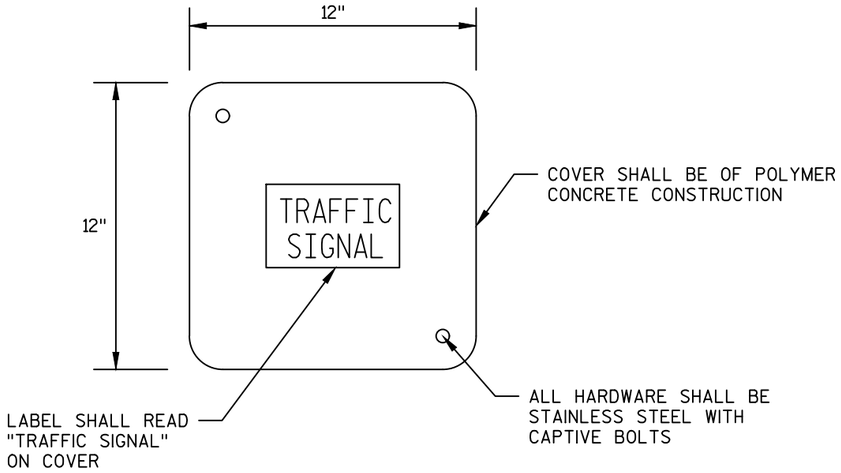
(CITY OF MADISON S.D.D. 6.08)

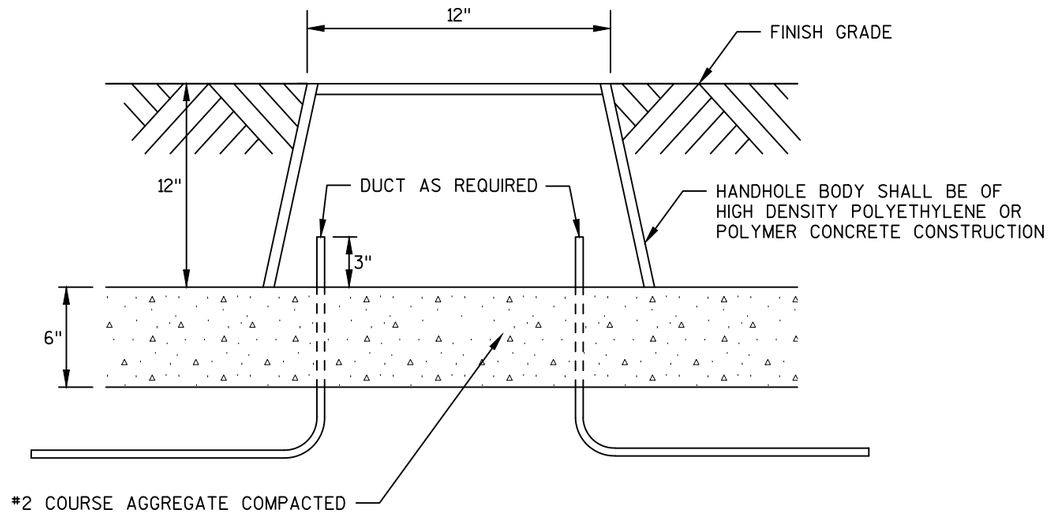




ELECTRICAL PULLBOX, TYPE I DETAIL
SCALE: NONE

(CITY OF MADISON S.D.D. 6.22)



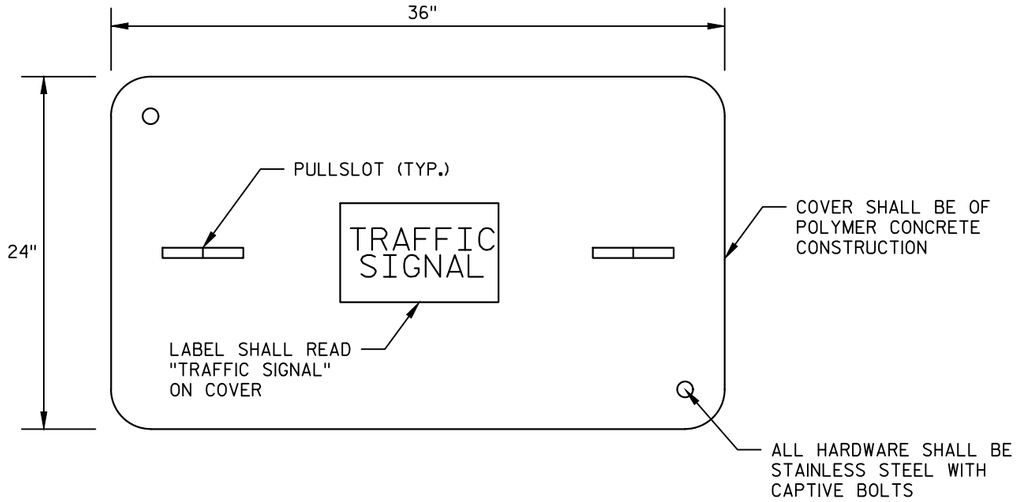


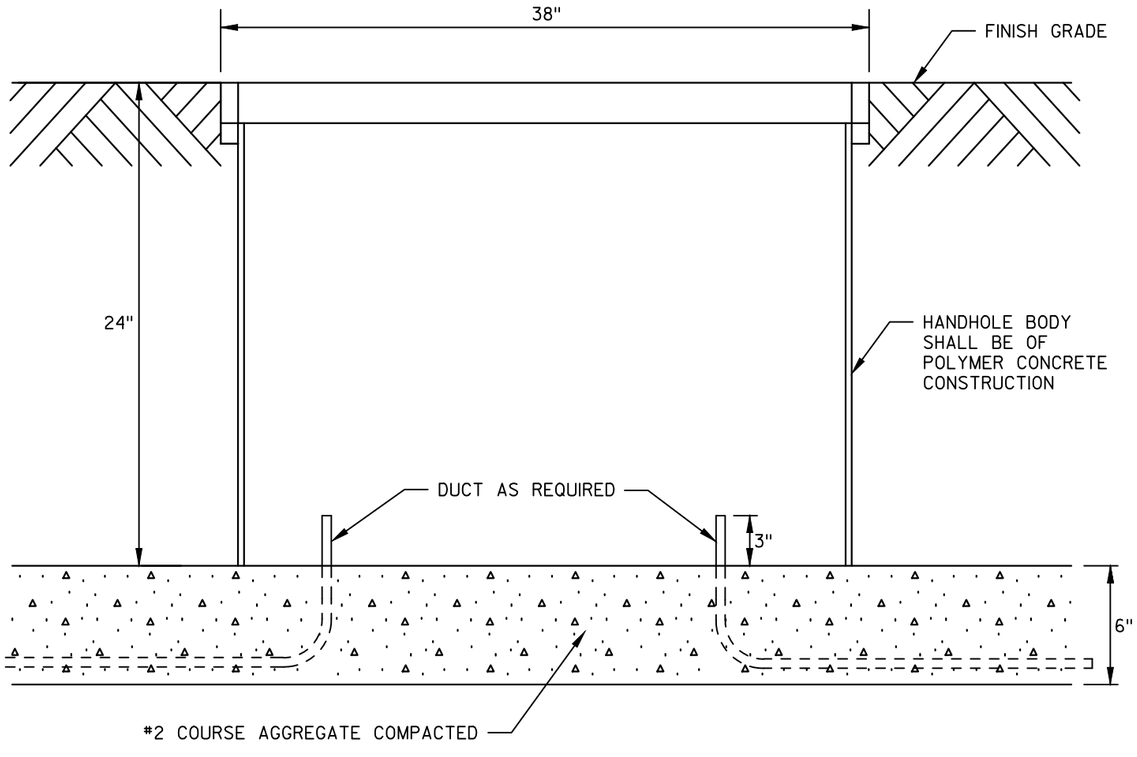
ELECTRICAL PULLBOX, TYPE III DETAIL
SCALE: NONE

(CITY OF MADISON S.D.D. 6.24)

2

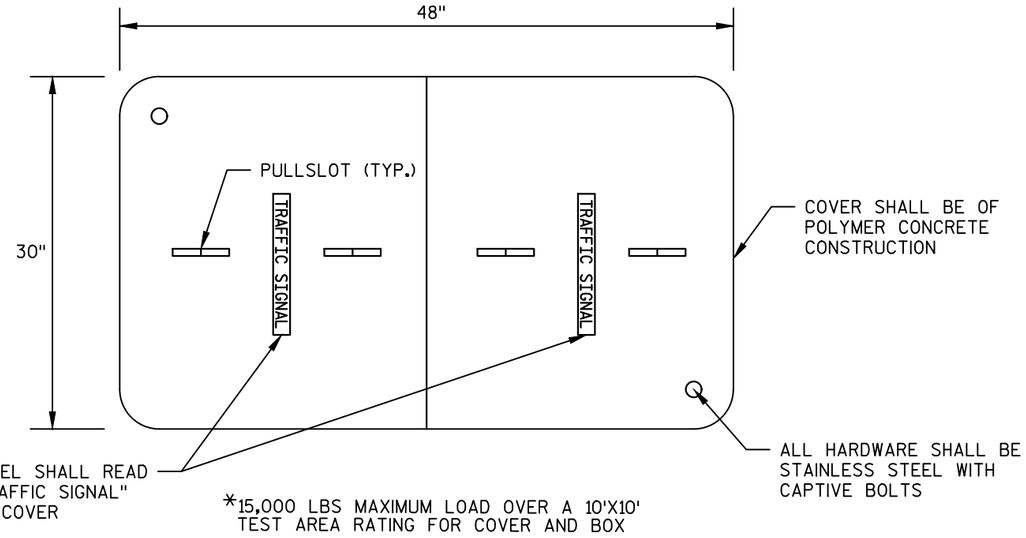
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 34 E

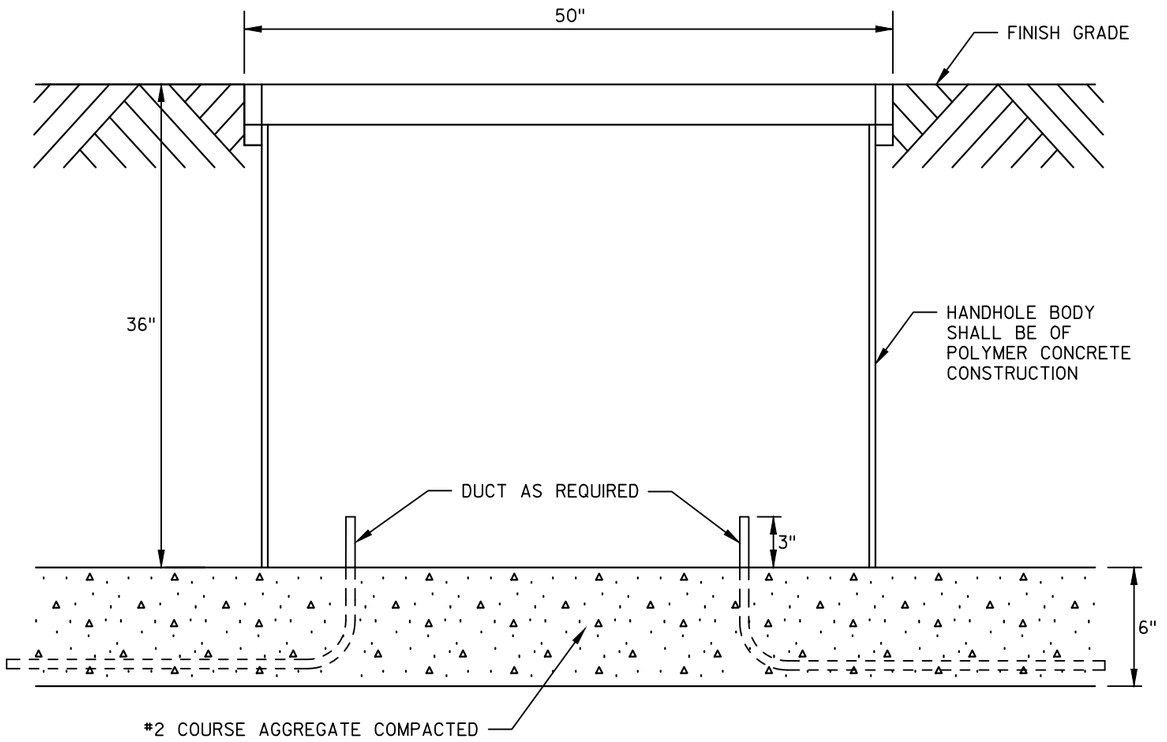




ELECTRICAL PULLBOX, TYPE V DETAIL
SCALE: NONE

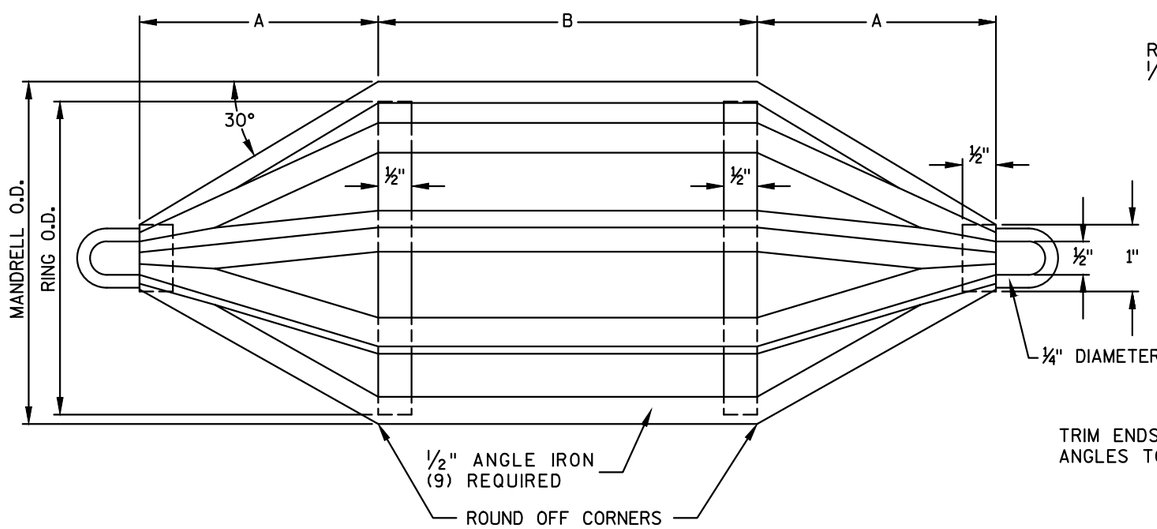
(CITY OF MADISON S.D.D. 6.26)



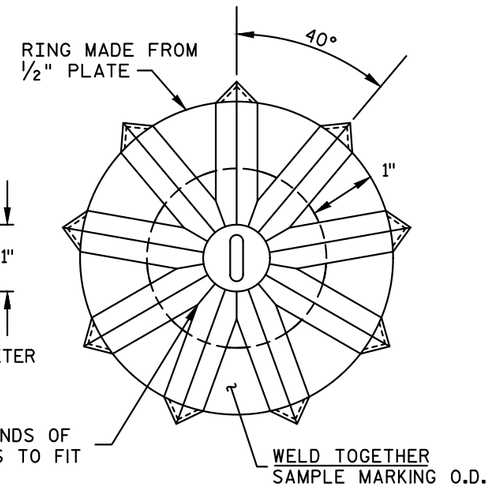


ELECTRICAL PULLBOX, TYPE VII DETAIL
SCALE: NONE

(CITY OF MADISON S.D.D. 6.26A)



SIDE VIEW



END VIEW

NOMINAL PIPE SIZE ID, In	DIMENSIONS A, In	DIMENSIONS B, In	MANDRELL O.D., In	RING O.D., 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

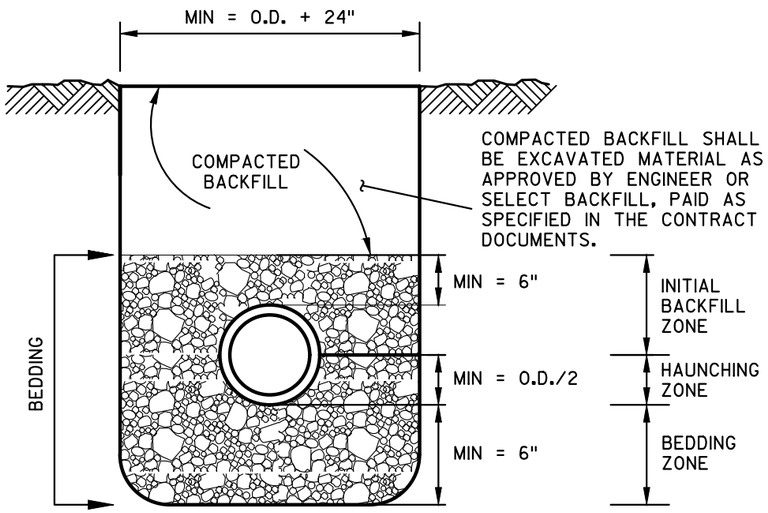
NOTE:

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

SANITARY SEWER MANDREL DETAIL

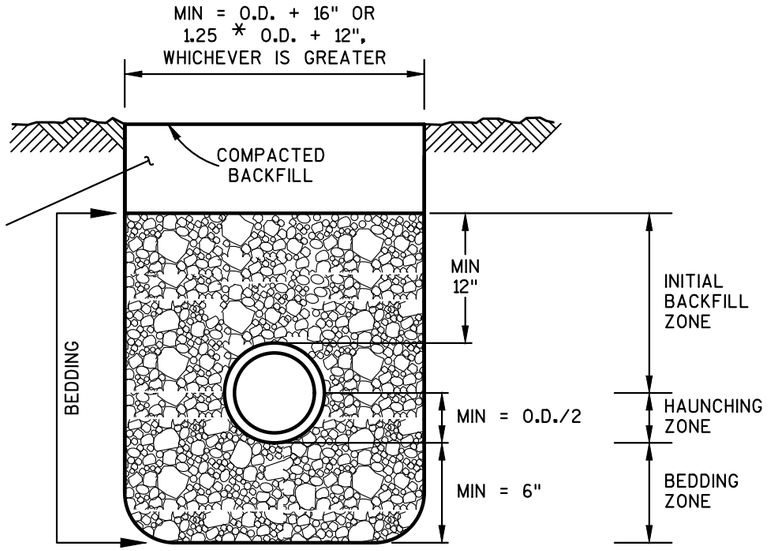
SCALE: NONE

(CITY OF MADISON S.D.D. 5.11)



WASHED GRAVEL OR CRUSHED STONE AS SPECIFIED IN SECTION 502.1 (d), 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), BEDDING OF SEWER PIPES

BEDDING FOR SANITARY SEWER PIPES

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.

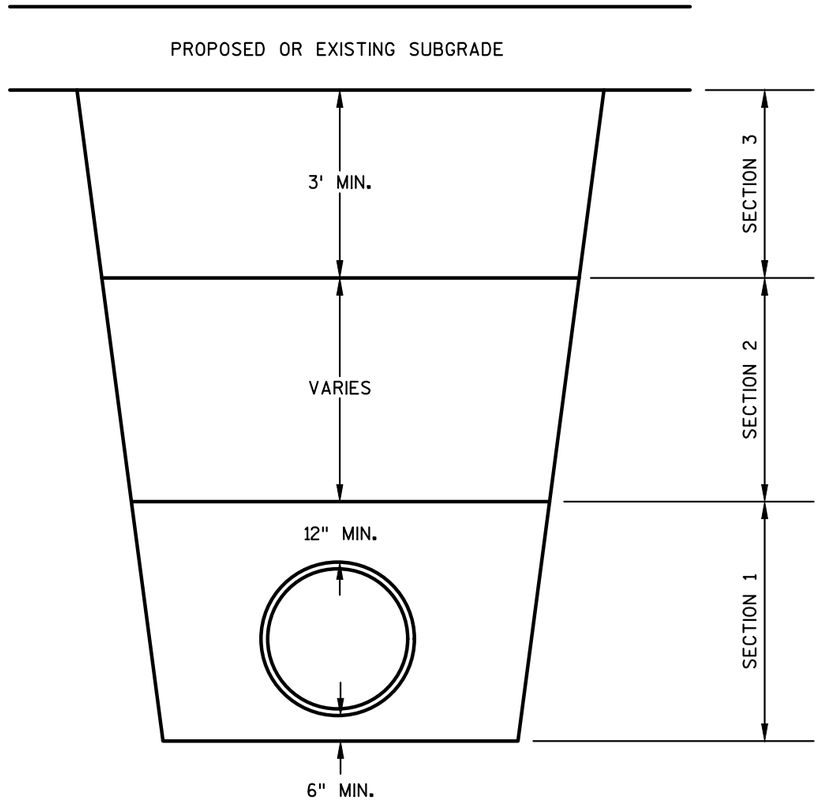
PAYMENT SHALL NOT BE MADE FOR BACKFILL WITH EXCAVATED MATERIAL, IF APPROVED. SELECT FILL, IF REQUIRED, SHALL BE PAID PER CONTRACT.

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.

SANITARY SEWER PIPE BEDDING AND BACKFILL DETAIL
SCALE: NONE

(CITY OF MADISON S.D.D. 5.2.1)



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), 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 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.

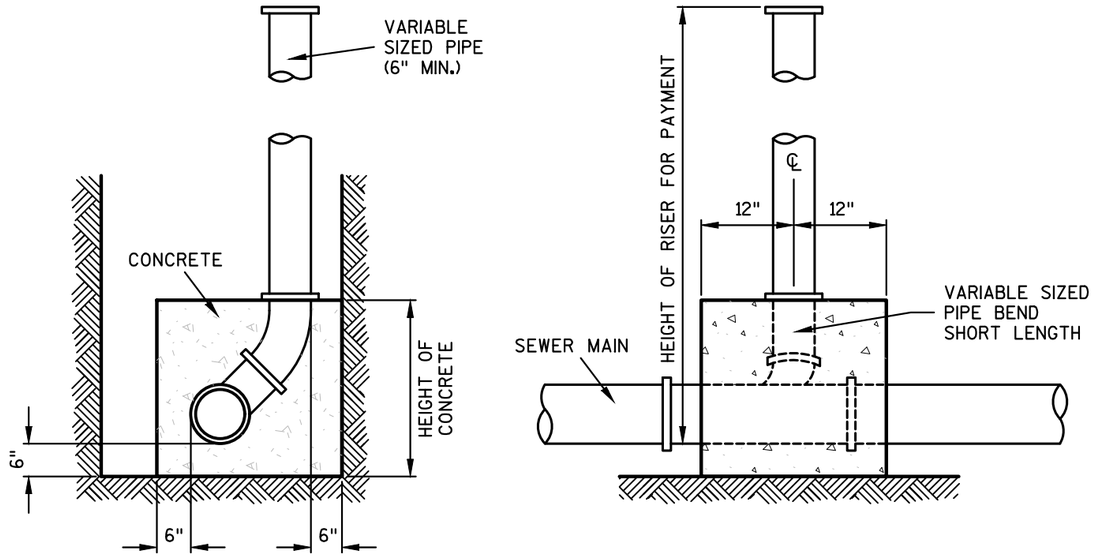
SECTION 3:

MINIMUM COMPACTION OF 95% MAXIMUM DENSITY.

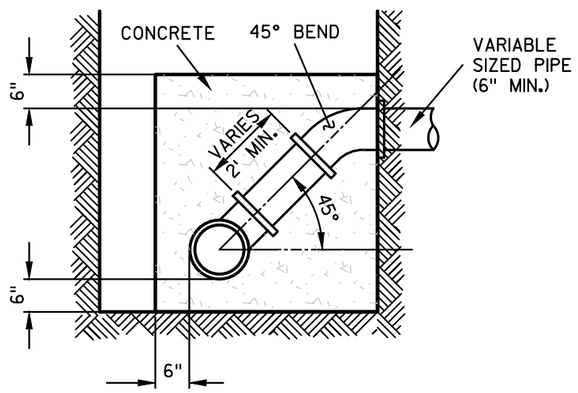
TYPICAL SANITARY SEWER TRENCH COMPACTION DETAIL
SCALE: NONE

(CITY OF MADISON S.D.D. 5.2.2)

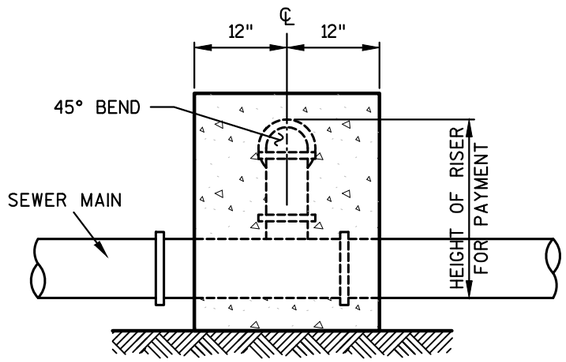
2

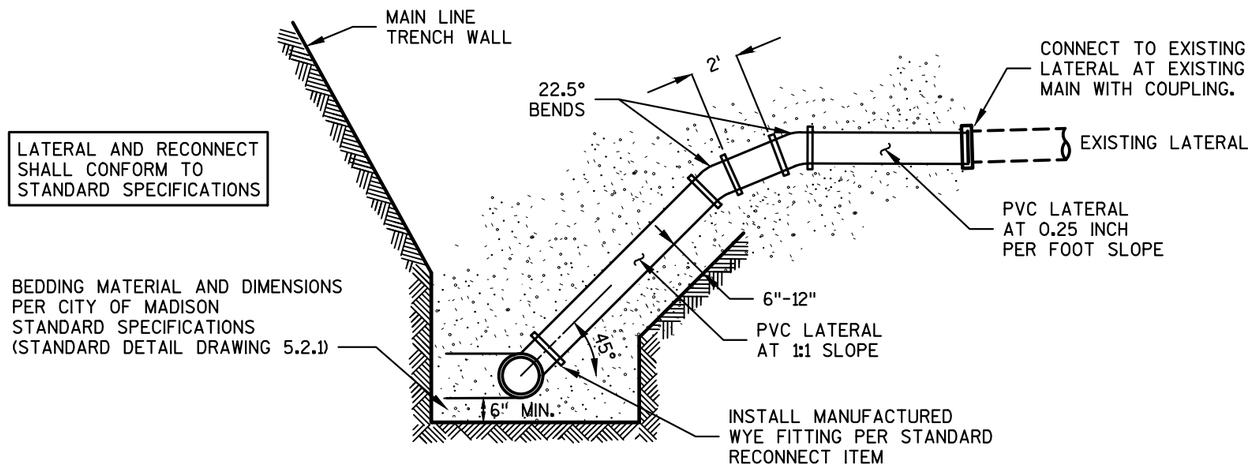


ALTERNATE METHOD A
SCALE: NONE



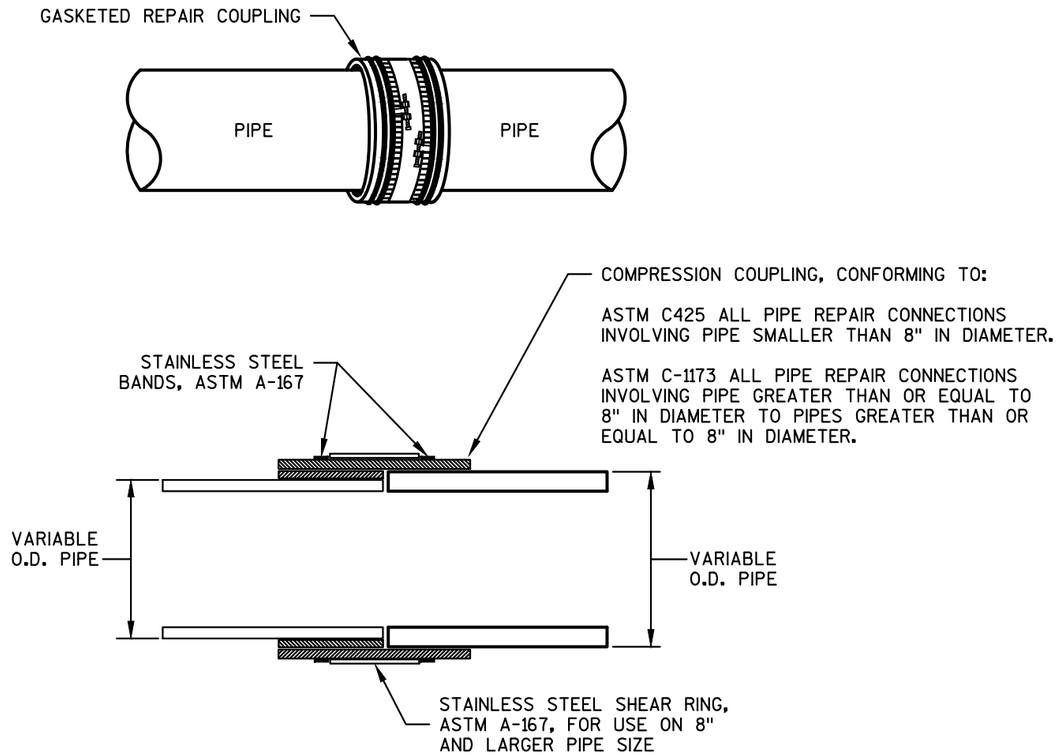
ALTERNATE METHOD B
SCALE: NONE





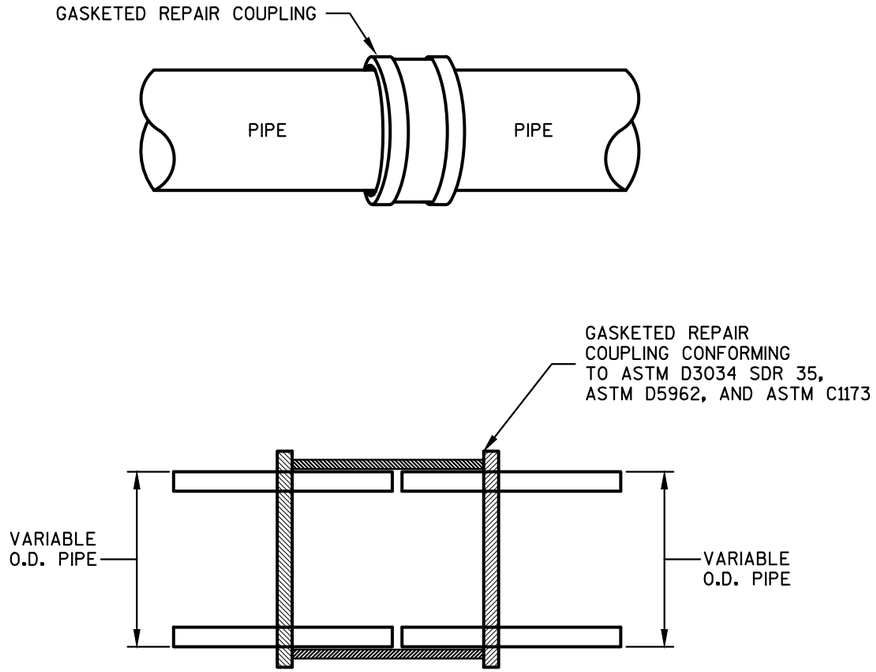
SANITARY SEWER RISER DETAIL
SCALE: NONE

(CITY OF MADISON S.D.D. 5.3.1)



COMPRESSION COUPLING
SCALE: NONE

PIPES WITH DIFFERENT MATERIAL TYPES
PIPES WITH DIFFERENT OUTSIDE DIAMETERS



GASKETED REPAIR COUPLING
SCALE: NONE

PVC TO PVC CONNECTION

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

SANITARY SEWER COUPLING DETAILS
SCALE: NONE

(CITY OF MADISON S.D.D. 5.3.3)

NOTES:

1) PRECAST S.A.S. SECTIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C-478.

2) THICKNESS OF BASE, "B":
   6" MIN. FOR 4' DIAMETER SAS
   8" MIN. FOR 5' AND 6' DIAMETER SAS

3) FOR CASTING DESIGNATION REFER TO STANDARD DETAIL DRAWING 5.7.16 AND 5.7.16A

4) CENTERED (CONCENTRIC) CONE SHALL BE INSTALLED UNLESS OTHERWISE DIRECTED.

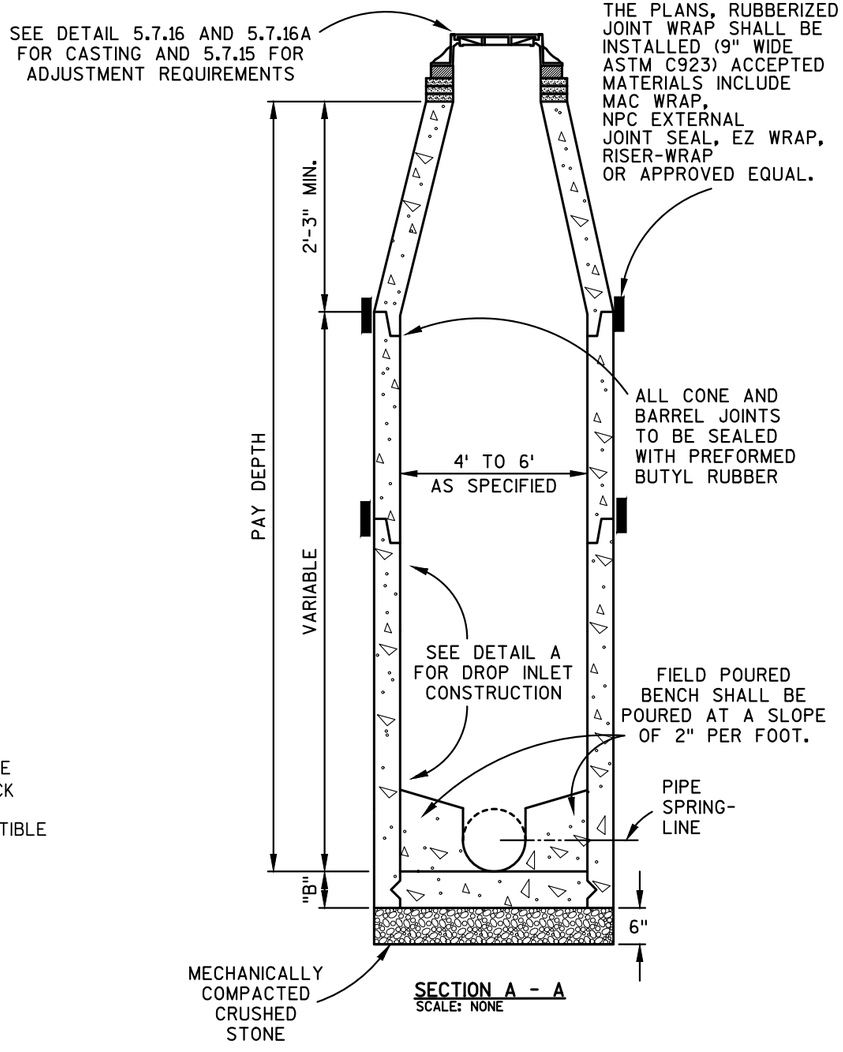
5) DROP INLET SHALL BE BUILT FOR ALL SEWER MAINS AND LATERALS WHEN "E" IS GREATER THAN 24". "E" SHOULD BE MEASURED FROM INVERT OF INCOMING PIPE TO THE SPRINGLINE OF THE OUTGOING SEWER. INSIDE DROP PER STANDARD DETAIL DRAWING 5.7.30 MAY BE INSTALLED FOR 4" AND 6" SERVICE CONNECTIONS WHERE OUTSIDE DROP INLET CONSTRUCTION IS INFEASIBLE. ENGINEER SHALL APPROVE INSIDE DROP INLET PRIOR TO INSTALLATION.

6) FLEXIBLE PIPE TO SAS CONNECTOR REQUIRED PER STANDARD DETAIL DRAWING 5.7.31

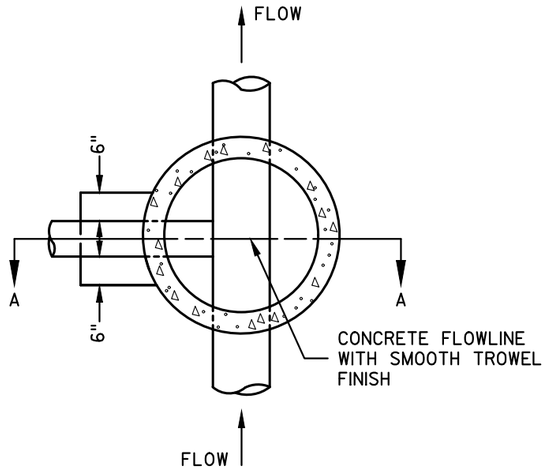
7) ALL BENCHES TO BE FIELD POURED CONCRETE WITH SMOOTH TROWEL FINISH. PRECAST BENCHES ONLY PERMITTED WITH PRIOR APPROVAL OF ENGINEER IN WRITING.

8) ALL JOINTS BETWEEN RINGS SHALL BE SEALED WITH ⅜" OF AIR-ENTRAINED TYPE M OR S MORTAR. THE OUTSIDE SURFACE OF THE ADJUSTING RINGS SHALL BE SEALED WITH A ½" THICK AIR-ENTRAINED MORTAR TYPE M OR S SEAL. THE METHOD USED FOR SEALING THE OUTSIDE SURFACE SHALL BE COMPATIBLE WITH THAT USED TO SEAL JOINTS BETWEEN THE RINGS.

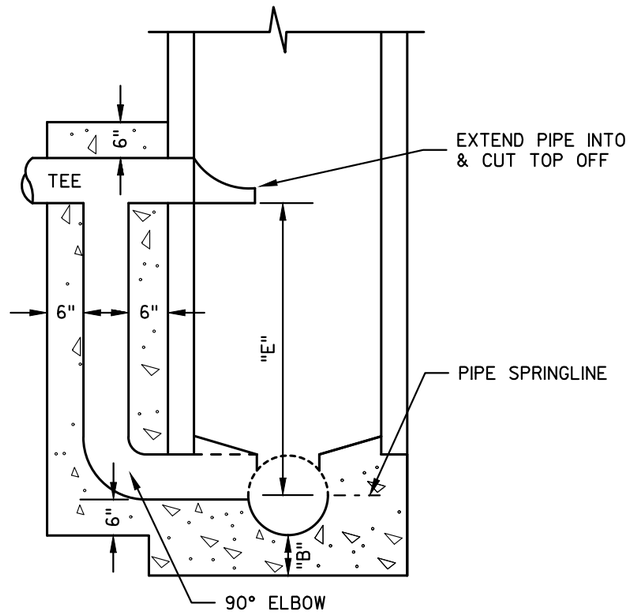
9) PRECAST SANITARY SEWER ACCESS STRUCTURE FOR STREET RECONSTRUCTION PROJECTS AND FOR STREET EXCAVATION PERMITS REQUIRE PRECAST SHOP DRAWING APPROVAL FROM CITY ENGINEERING. PRIOR TO BEING FABRICATED BY THE MANUFACTURER NO PRECAST SHOP DRAWINGS ARE REQUIRED FOR NEW CONSTRUCTION IN SUBDIVISION DEVELOPMENTS.



SECTION A - A
SCALE: NONE



TOP VIEW
SCALE: NONE



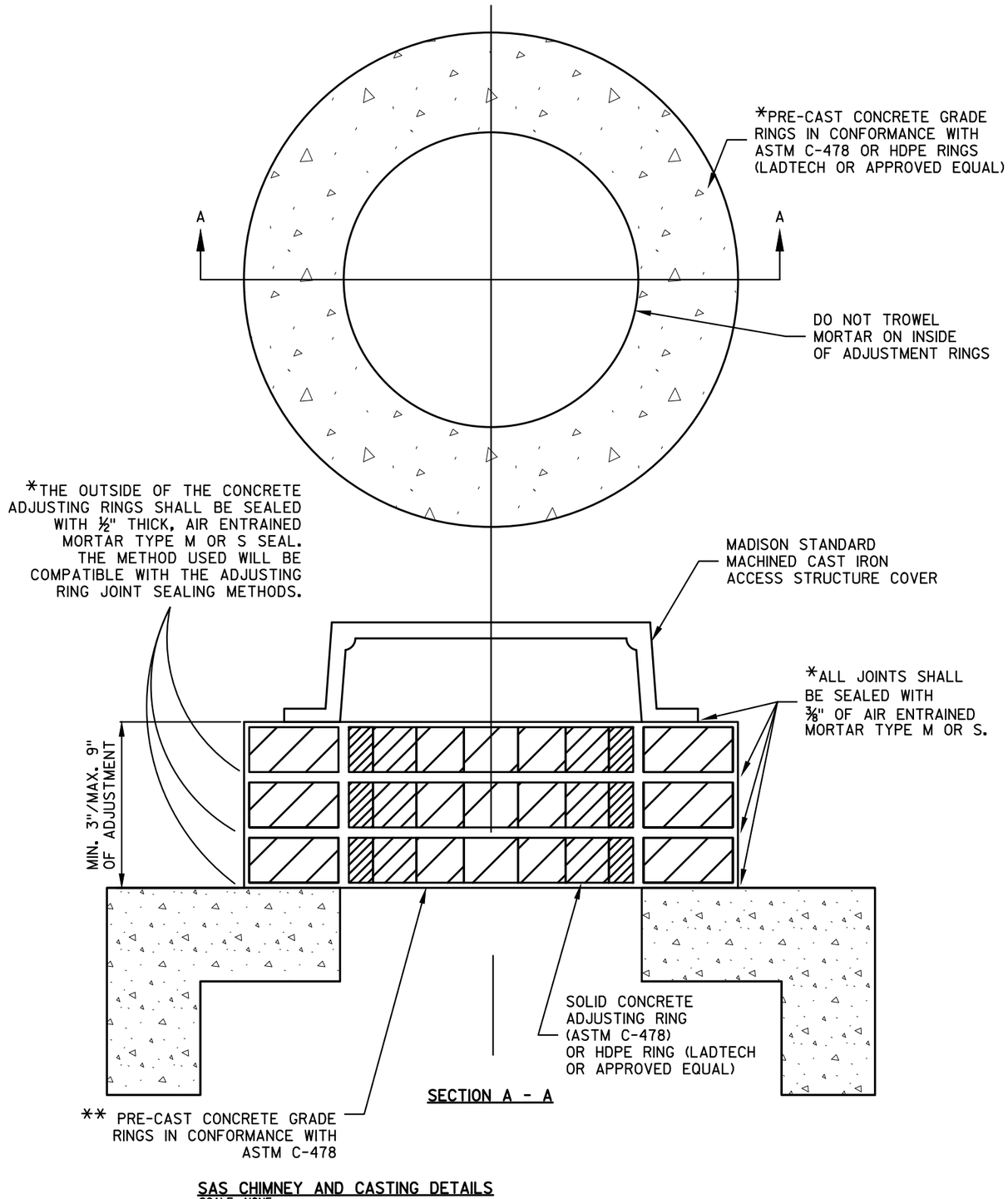
DETAIL A
SCALE: NONE

SHOW DROP INLET CONSTRUCTION FOR SANITARY SEWER MAINS & LATERALS

SANITARY SEWER PRECAST SAS DETAILS
SCALE: NONE

(CITY OF MADISON S.D.D. 5.7.2)

2



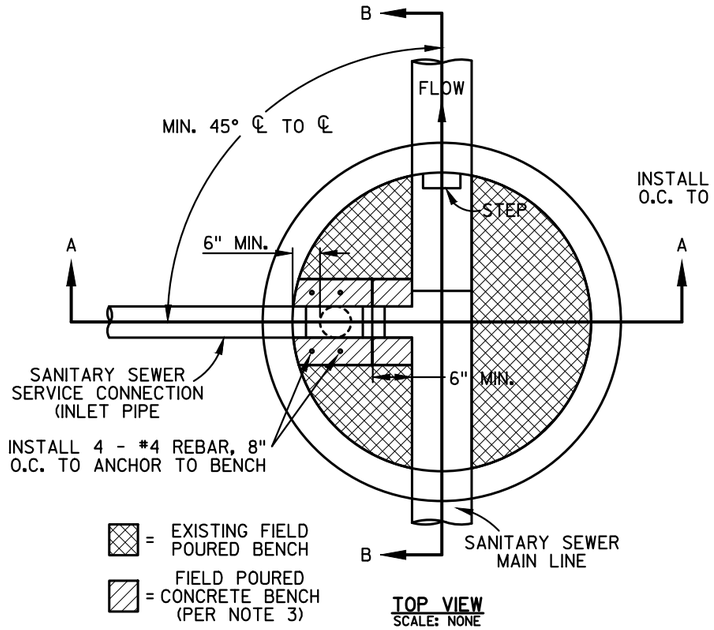
SECTION A - A

** NOTE: HDPE ADJUSTMENT RINGS (LADTECH OR APPROVED EQUAL) MEETING AASHTO HS25 SPECS. ASTM D-1248 INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS WILL BE CONSIDERED AN ACCEPTABLE ALTERNATE TO PRECAST RINGS. IF PRO-RINGS ARE INSTALLED FOR THE WHOLE ADJUSTMENT, CONTRACTOR WILL BE PAID FOR AN INTERNAL CHIMNEY SEAL. PRO-RING ADJUSTMENT IS CONSIDERED TO BE EQUIVALENT OF AN INTERNAL CHIMNEY SEAL. PRO-RING SHALL HAVE M-1 ADHESIVE BETWEEN RINGS. CRETEX PRO RING WILL BE CONSIDERED AN ACCEPTED ALTERNATE FOR PRECAST RINGS.
RING JOINT SEALANT SHALL BE ASTM C990 AND AASHTA M-198 (TROWELABLE EZ-STICK #3 OR EQUAL)

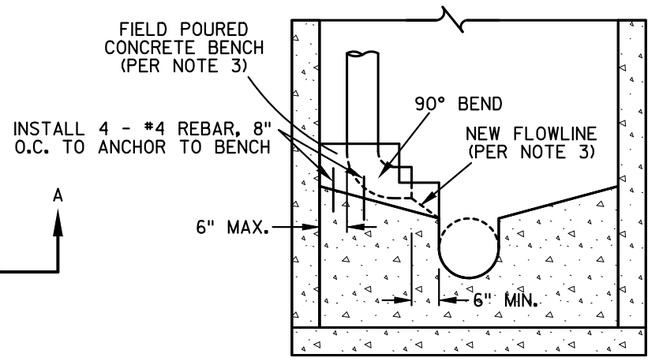
SAS CHIMNEY AND CASTING DETAILS

SCALE: NONE

(CITY OF MADISON S.D.D. 5.7.15)



TOP VIEW
SCALE: NONE



SIDE VIEW
SCALE: NONE

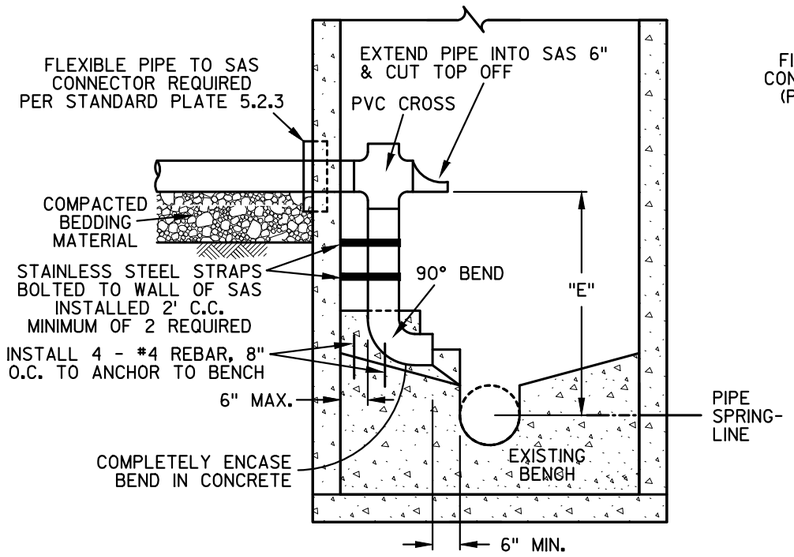
FIELD POURED
CONCRETE BENCH

NOTES:

1) INSIDE DROP INLETS SHALL BE USED ONLY WHERE SITE CONDITIONS MAKE AN OUTSIDE DROP CONNECTION INFEASIBLE TO CONSTRUCT. THIS DETERMINATION SHALL BE MADE BY THE ENGINEER IN THE FIELD. THE CONTRACTOR SHALL OBTAIN APPROVAL FOR INSTALLATION OF THE INSIDE DROP INLET FROM THE ENGINEER PRIOR TO CONSTRUCTION.

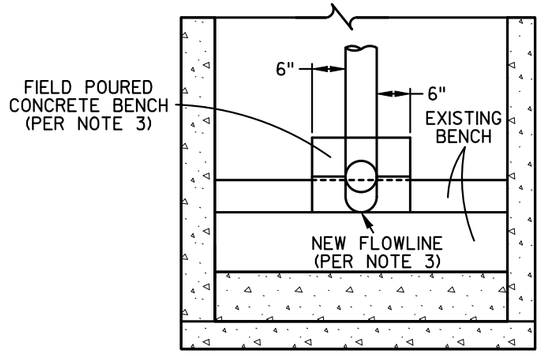
2) DROP INLET SHALL BE BUILT WHEN "E" IS GREATER THEN 24". "E" SHALL BE MEASURED FROM THE INVERT OF THE INCOMING PIPE TO THE SPRINGLINE OF THE OUTGOING SEWER.

3) ENCASE INLET PIPE IN CONCRETE FROM THE EXISTING BENCH TO FIRST JOINT ABOVE THE 90° BEND. FORM NEW SMOOTH FLOWLINE FROM PIPE END TO MAIN CHANNEL. ROUGH BRUSH FINISH ALL OTHER SURFACES OF THE NEW CONCRETE ENCASEMENT.



DRAWING NOT TO SCALE

SECTION A-A
SCALE: NONE



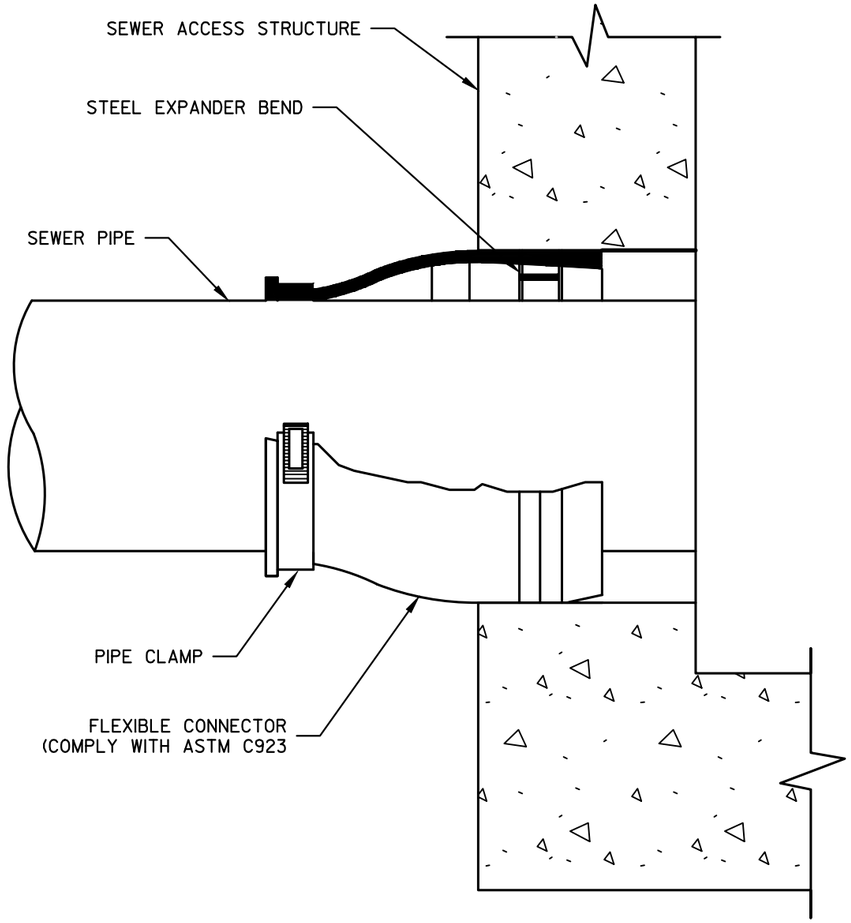
SECTION B-B
SCALE: NONE

INSIDE DROP FOR SANITARY MAIN & LATERAL DETAILS
SCALE: NONE

(CITY OF MADISON S.D.D. 5.7.30)

PROJECT NO: 5992-10-18	HWY: ATWOOD AVENUE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 43	E

2



NOTES:

1. S.A.S. CONNECTIONS FOR SEWER MAINS SHALL BE MADE USING FLEXIBLE, WATERTIGHT CONNECTIONS SUCH AS KOR-N-SEAL 1 OR APPROVED EQUAL, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

2. ALL STAINLESS STEEL ELEMENTS OF CONNECTOR SHALL BE TOTALLY NON-MAGNETIC SERIES 304 STAINLESS. EXCLUDING THE WORM SCREW TIGHTENING THE STEEL BAND AROUND THE PIPE WHICH SHALL BE SERIES 305 STAINLESS. THE WORM SCREW FOR TIGHTENING THE STEEL BAND SHALL BE TORQUED BY A BREAK-AWAY TORQUE WRENCH AVAILABLE FOR PRECAST S.A.S. SUPPLIER AND SET FOR 60 - 70 INCH/LBS.

3. THE CONNECTOR SHALL BE INSTALLED IN THE S.A.S. WALL BY ACTIVATING THE EXPANDING MECHANISM IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF THE CONNECTOR MANUFACTURER.

4. THE CONNECTOR SHALL BE OF A SIZE SPECIFICALLY DESIGNED FOR THE PIPE MATERIAL AND SIZE BEING UTILIZED ON THE PROJECT.

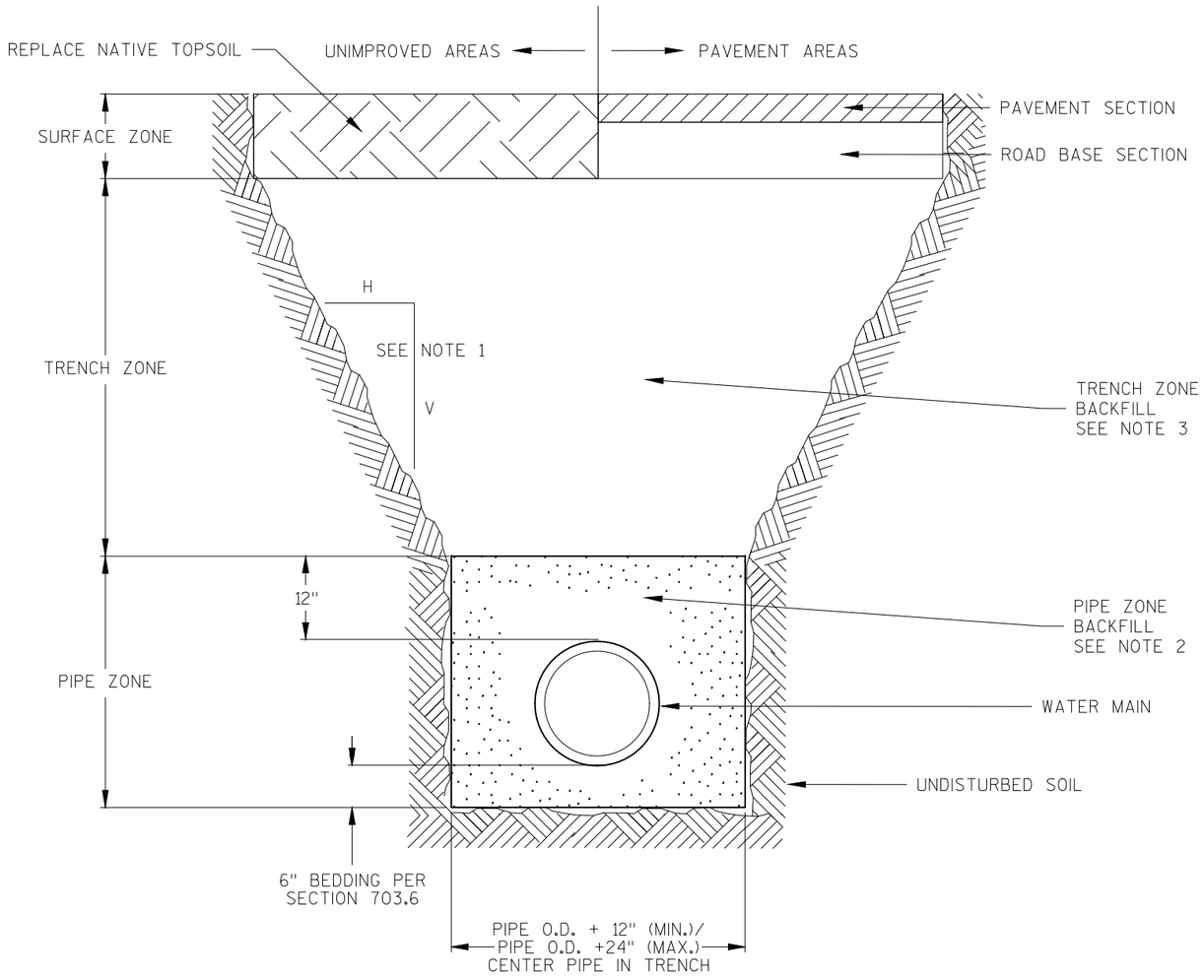
5. ALL COSTS SHALL BE CONSIDERED INCIDENTAL TO THE S.A.S. AND/OR PIPE. THE ENGINEER RESERVES THE RIGHT TO REQUIRE A "CONCRETE ENCASEMENT" CONNECTION AT NO ADDITIONAL EXPENSE IN THE EVENT OF A DESIGN CHANGE.

6. FLEXIBLE, WATERTIGHT CONNECTIONS SHALL ALSO BE USED AS REQUIRED FOR STORM SEWER CONNECTIONS.

FLEXIBLE PIPE TO S.A.S. CONNECTOR DETAIL
SCALE: NONE

(CITY OF MADISON S.D.D. 5.7.31)

2



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 SECTIONS 703.6 AND 202.2(B) OF THE STANDARD SPECIFICATIONS.

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

4) SEE SECTION 703.6.1 FOR BACKFILL/COMPACTION REQUIREMENTS OF BEDDING/COVER MATERIAL IN THE PIPE ZONE.

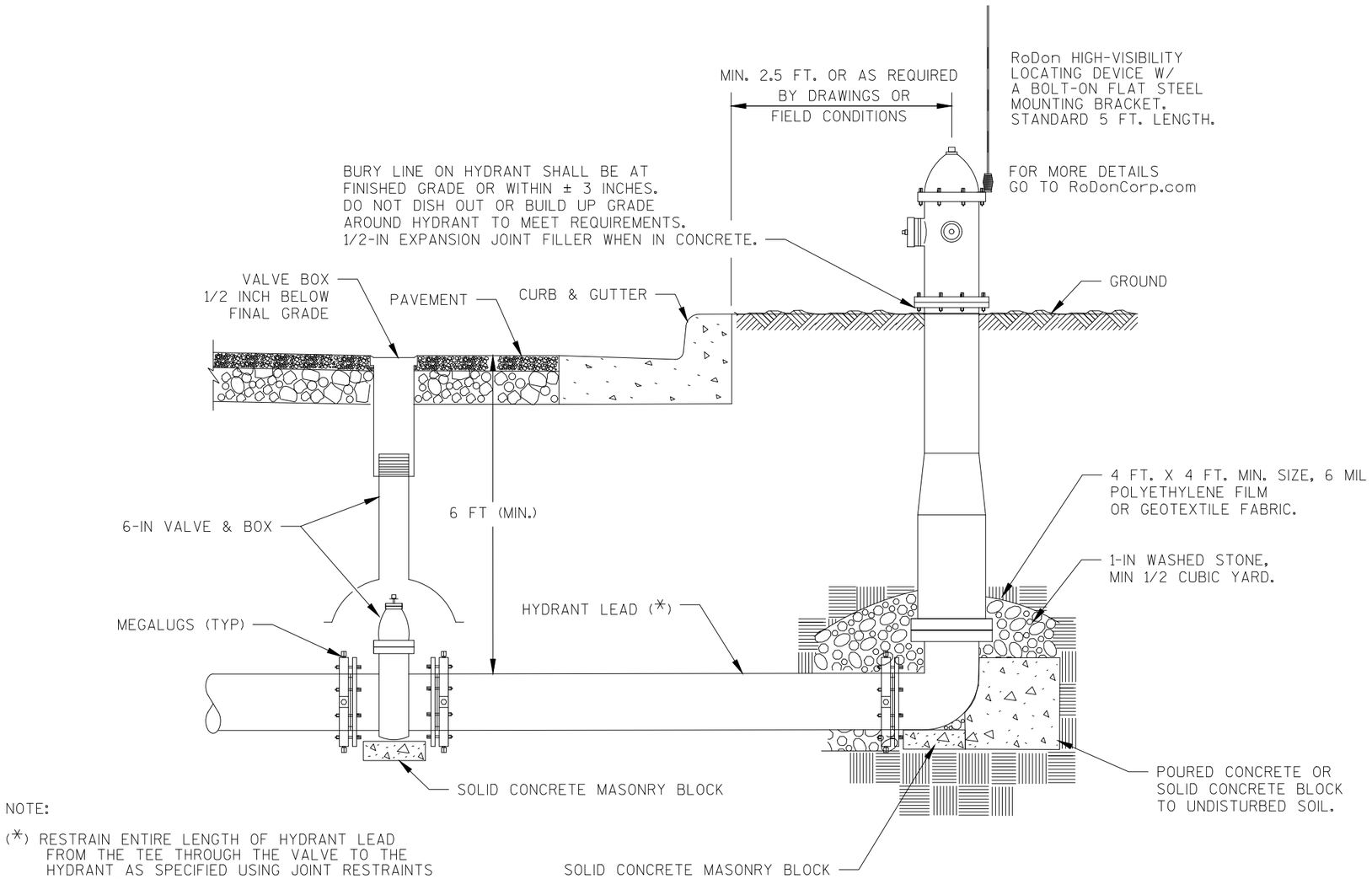
5) TRENCH ZONE COMPACTION REQUIREMENTS:
   -- ALL COMPACTION OPERATIONS SHALL COMPLY WITH SECTION 703.6.3
   -- DENSITY REQUIREMENTS:
      1. FROM 2-FEET OVER THE PIPE TO WITHIN 3-FEET OF THE SUBGRADE:
         A MINIMUM OF 90% OF MAXIMUM DENSITY.
      2. WITHIN 3-FEET OF THE BOTTOM OF SUBGRADE:
         A MINIMUM OF 95% OF MAXIMUM DENSITY.

TYPICAL WATER PIPE TRENCH DETAIL

SCALE: NONE

(CITY OF MADISON S.D.D. 7.01)

2



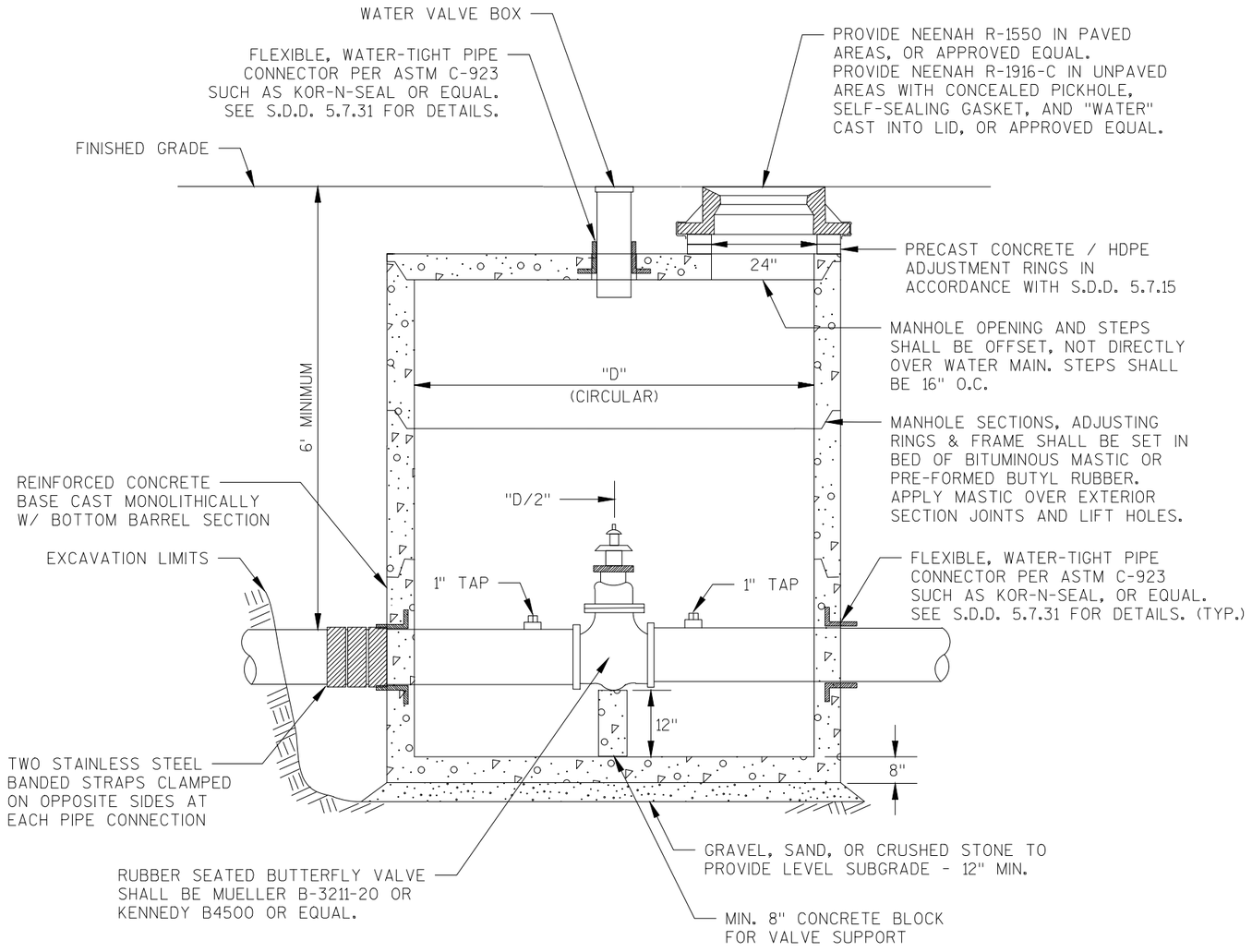
NOTE:

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

TYPICAL HYDRANT INSTALLATION DETAIL
SCALE: NONE

(CITY OF MADISON S.D.D. 7.04)

2



WATER VALVE ACCESS STRUCTURE

NOTES:

1. DIMENSION "D" SHALL BE 48" WHEN WATERMAIN IS LESS THAN 10" IN DIAMETER, 60" WHEN DIAMETER OF MAIN IS 10" OR 12", 72" WHEN DIAMETER OF MAIN IS 14" OR 16", AND 84" WHEN DIAMETER OF MAIN IS 18" OR LARGER.

2. THE CONTRACT UNIT PRICE FOR "WATER VALVE ACCESS STRUCTURE" SHALL INCLUDE THE COST OF FURNISHING AND PLACING 6" LEVELING BASE AS SPECIFIED, AND THE COST OF FURNISHING AND PLACING THE SPECIFIED FRAME AND COVER.

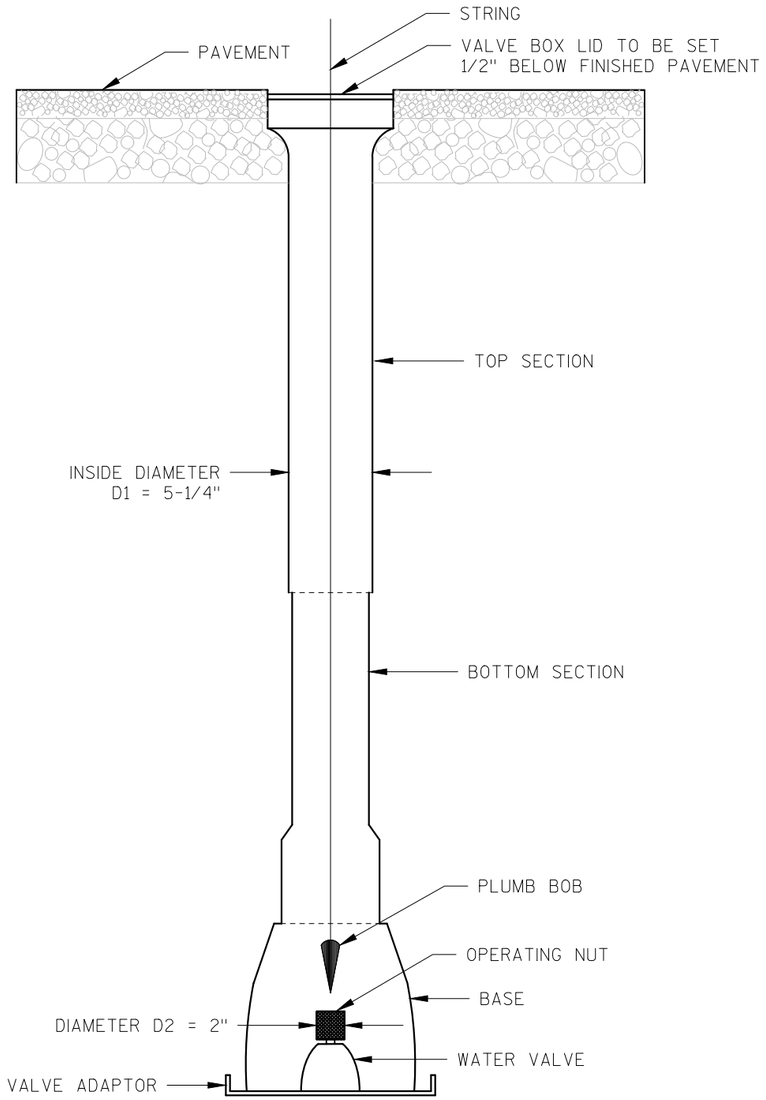
3. VALVE BOX SHALL BE ALIGNED OVER OPERATING NUT SO THAT VALVE CAN BE KEYED WITHOUT TWIST OR TORQUE.

4. MANHOLE SHALL BE WATER TIGHT.

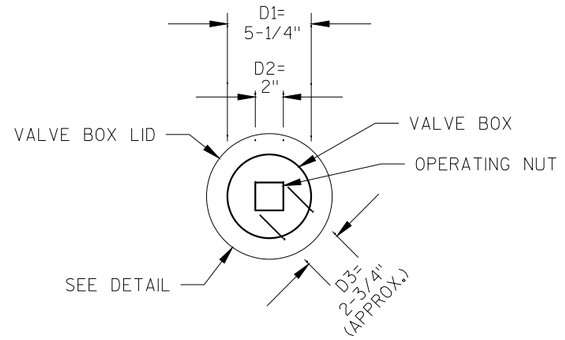
WATER VALVE ACCESS STRUCTURE DETAIL
SCALE: NONE

(CITY OF MADISON S.D.D. 7.05)

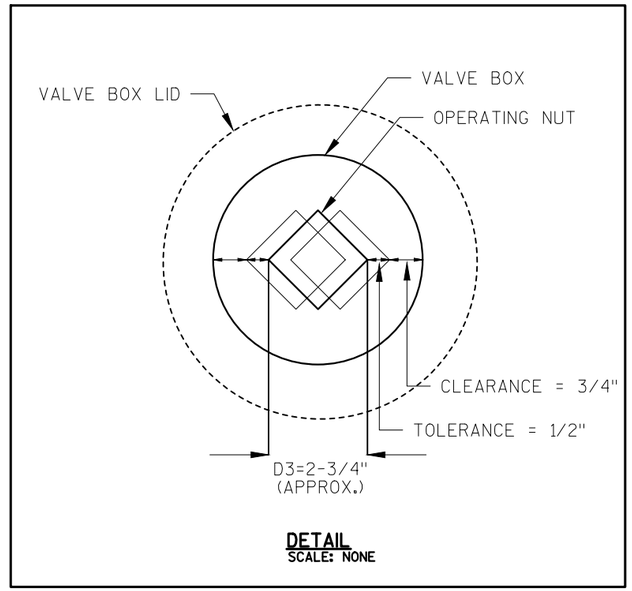
2



SECTION
SCALE: NONE



CROSS SECTION
SCALE: NONE



DETAIL
SCALE: NONE

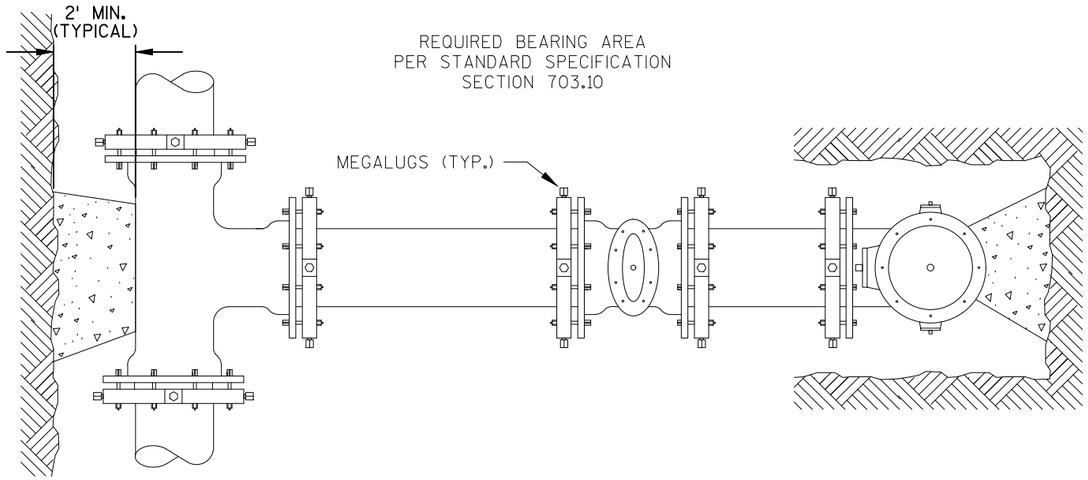
NOTES:

1. VALVE BOX SHALL BE LOCATED PLUMB AND CENTERED WITH RESPECT TO THE VALVE OPERATING NUT.
2. ALLOWABLE TOLERANCE SHALL BE 1/2"
3. PLUMBNESS AND ALIGNMENT SHALL BE VERIFIED WITH A PLUMB BOB, LOCATING THE VALVE NUT WITHIN THE ALLOWABLE TOLERANCE, AND CONFIRMING THAT THE VALVE IS OPERATIONAL WITHOUT THE VALVE KEY TOUCHING THE INSIDE EDGE OF THE VALVE BOX.
4. FOR STREETS WITH SLOPE GREATER THAN 3% THAT DOES NOT ALLOW EASY PLUMBNESS VERIFICATION, THE VALVE BOX STRAIGHTNESS SHALL BE VISUALLY ASSESSED VERIFYING ITS RELATIVE CENTERED POSITION, CONFIRMING THAT THE VALVE IS OPERATIONAL WITHOUT THE VALVE KEY TOUCHING THE INSIDE EDGE OF THE VALVE BOX AND RESTRICTING ITS USE.

WATER VALVE BOX ALIGNMENT DETAIL
SCALE: NONE

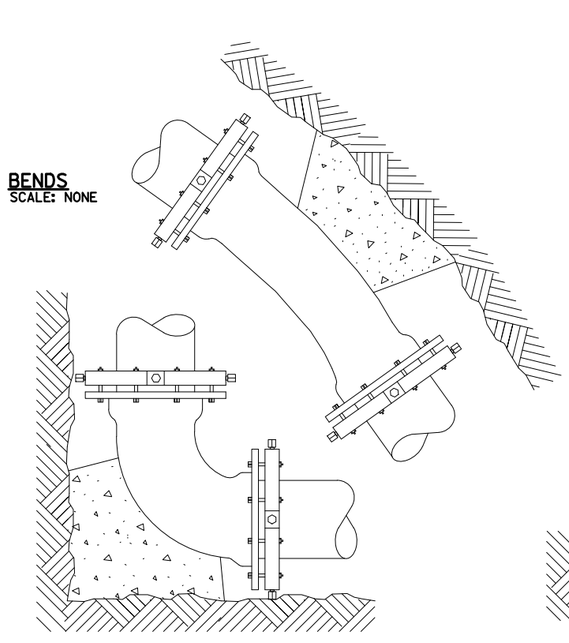
(CITY OF MADISON S.D.D. 7.06)

2

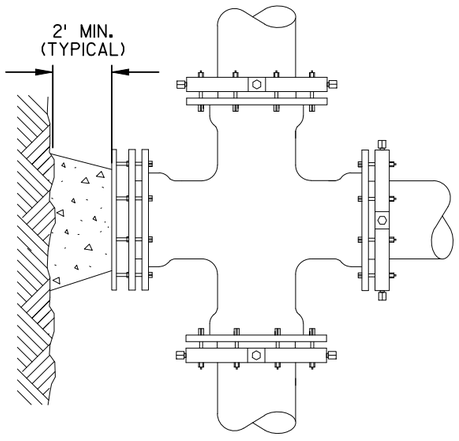


TEE
SCALE: NONE

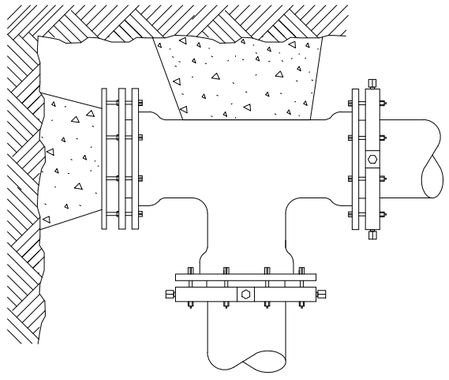
HYDRANT
SCALE: NONE



BENDS
SCALE: NONE



PLUGGED CROSS
SCALE: NONE



PLUGGED TEE
SCALE: NONE

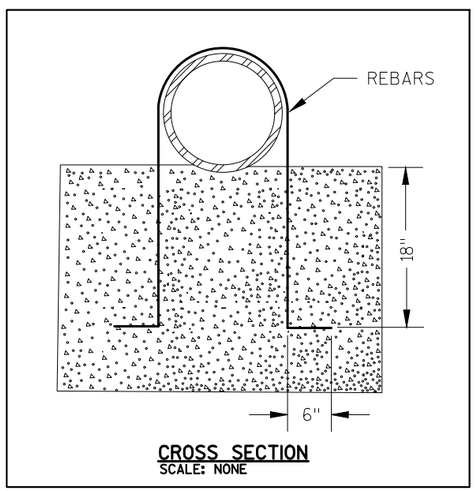
UNDISTURBED SOIL

POURED CONCRETE
OR SOLID CONCRETE BLOCK
WHERE SPECIFICATIONS ALLOW

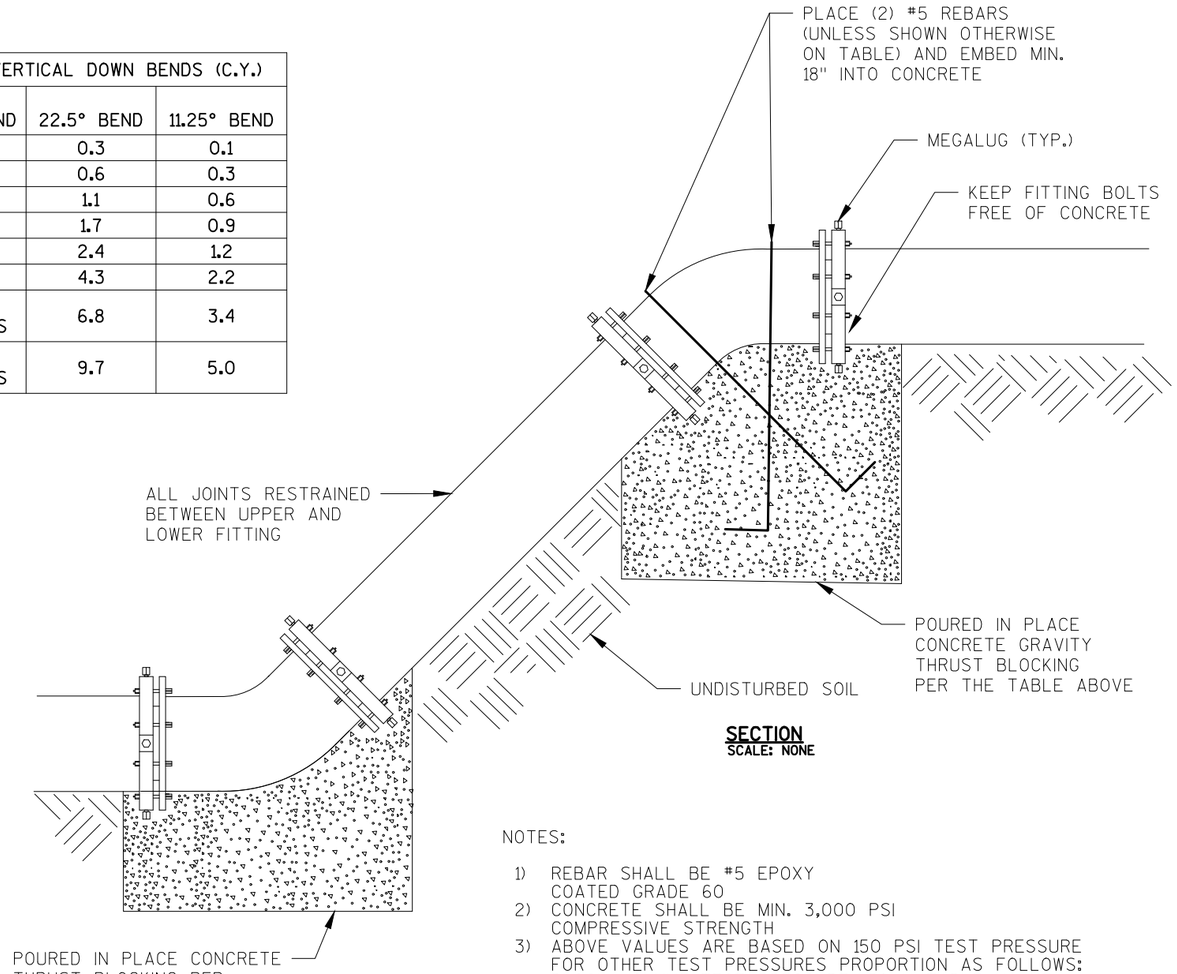
STANDARD CONCRETE BLOCK THRUST RESTRAINT DETAIL
SCALE: NONE

(CITY OF MADISON S.D.D. 7.13)

VOLUME REQUIREMENTS FOR VERTICAL DOWN BENDS (C.Y.)				
FITTING SIZE (IN)	90° BEND	45° BEND	22.5° BEND	11.25° BEND
4	0.7	0.5	0.3	0.1
6	1.6	1.1	0.6	0.3
8	2.8	2.0	1.1	0.6
10	4.4	3.1	1.7	0.9
12	6.4	4.5	2.4	1.2
16	11.3	8.0	4.3	2.2
20	17.7 3 BARS	12.5 3 BARS	6.8	3.4
24	25.4 6 BARS	18.0 4 BARS	9.7	5.0



CROSS SECTION
SCALE: NONE



SECTION
SCALE: NONE

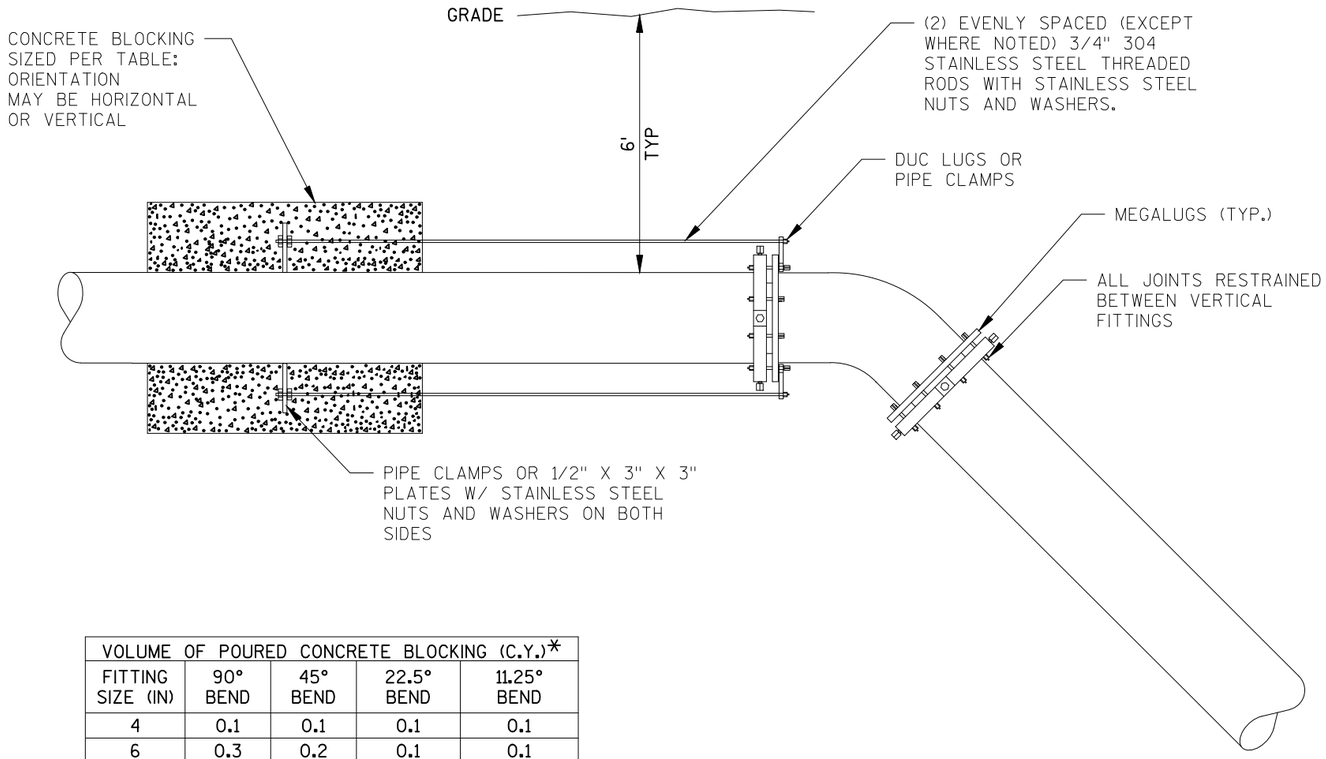
NOTES:

1) REBAR SHALL BE #5 EPOXY COATED GRADE 60
2) CONCRETE SHALL BE MIN. 3,000 PSI COMPRESSIVE STRENGTH
3) ABOVE VALUES ARE BASED ON 150 PSI TEST PRESSURE FOR OTHER TEST PRESSURES PROPORTION AS FOLLOWS: BLOCK VOLUME=TEST PRESSURE/150 X TABLE VALUE

STANDARD CONCRETE BLOCK THRUST RESTRAINT DETAIL
SCALE: NONE

(CITY OF MADISON S.D.D. 7.14)

2



VOLUME OF POURED CONCRETE BLOCKING (C.Y.)*				
FITTING SIZE (IN)	90° BEND	45° BEND	22.5° BEND	11.25° BEND
4	0.1	0.1	0.1	0.1
6	0.3	0.2	0.1	0.1
8	0.7	0.4	0.2	0.1
10	1.3	0.8	0.3	0.1
12	2.1	1.3	0.6	0.2
16	4.6	2.9	1.3	0.5
20	8.2 4 RODS	5.4 3 RODS	2.3	0.9
24	13.0 5 RODS	8.4 4 RODS	3.8	1.5

* CONCRETE SHALL BE A MIN. 3000 PSI COMPRESSIVE STRENGTH

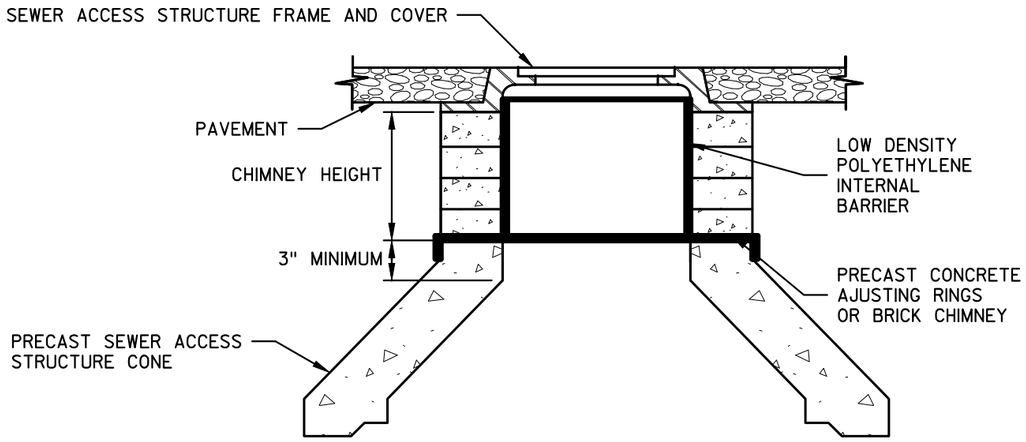
NOTE:

THIS METHOD MAY ONLY BE USED WHERE SPECIFIED OR WITH ENGINEER'S APPROVAL

ROD & CONCRETE BLOCK THRUST RESTRAINT FOR VERTICAL BENDS DETAIL
SCALE: NONE

(CITY OF MADISON S.D.D. 7.15)

2



LOW DENSITY POLYETHYLENE INTERNAL BARRIER DETAILS
SCALE: NONE

INTERNAL CHIMNEY SEALS SHALL BE USED ON ALL SANITARY SEWER ACCESS STRUCTURES AT THE FOLLOWING LOCATIONS:
1) WITHIN 100' OF A STREET LOW POINT
2) ALL GREENWAYS
3) WHERE SPECIFIED BY THE ENGINEER

AN INTERNAL CHIMNEY SEAL WHERE NEEDED, SHALL BE INSTALLED TO COVER THE ENTIRE CHIMNEY AREA IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. FRAME SEALS SHALL CONSIST OF THE FOLLOWING INTERNAL SEAL:

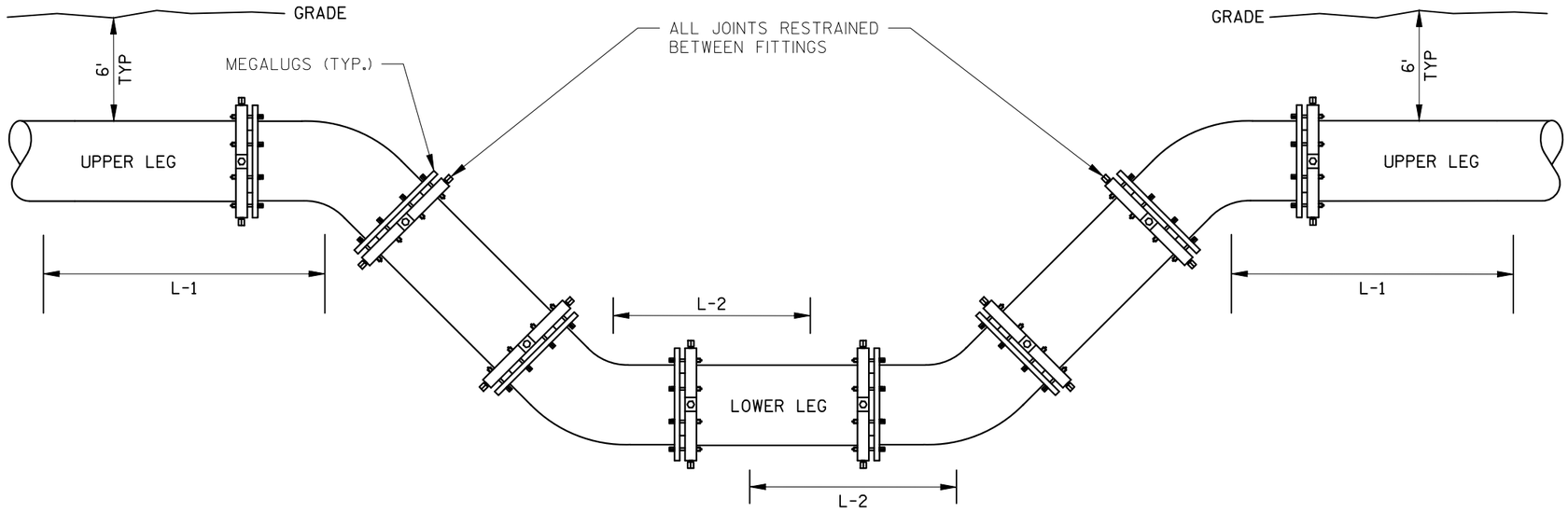
LOW DENSITY POLYETHYLENE INTERNAL BARRIER

A LOW DENSITY POLYETHYLENE INTERNAL BARRIER SHALL MAINTAIN THEIR ADHESION ALLOWING REPEATED HORIZONTAL MOVEMENT OF NOT LESS THAN 1 INCH. THE BARRIER SHALL HAVE A MINIMUM THICKNESS OF INCH AND CONFORM TO THE REQUIREMENTS OF THE FOLLOWING STANDARDS:
ASTM D 1248, D 1238, D 790, D 648, D 1693, ASTN D-792, UL-94.

IF CRETEX PRO-RINGS ARE INSTALLED FOR THE ENTIRE ADJUSTMENT, CONTRACTOR WILL BE PAID FOR AN INTERNAL CHIMNEY SEAL.
CRETEX PRO-RING SHALL HAVE M-1 ADHESIVE INSTALLED BETWEEN RINGS.

SANITARY SEWER INTERNAL CHIMNEY SEAL DETAIL
SCALE: NONE

(CITY OF MADISON S.D.D. 5.7.17)



	45° BEND		22.5° BEND		11.25° BEND	
FITTING SIZE (IN)	L-1 (FT)	L-2 (FT)	L-1 (FT)	L-2 (FT)	L-1 (FT)	L-2 (FT)
4	13	3	6	2	3	1
6	18	4	9	2	5	1
8	24	5	12	3	6	2
10	28	6	14	3	7	2
12	34	7	16	4	8	2
16	43	10	21	5	11	3
20	53	12	26	6	13	3
24	62	13	30	7	15	4

L - 1: RESTRAINED JOINT LENGTH
UPPER LEG OF VERTICAL BEND

L - 2: RESTRAINED JOINT LENGTH
LOWER LEG OF VERTICAL BEND

*NOTE - AS THE BEND ANGLE APPROACHES 90° (VERTICAL SWEEPS/OFFSETS), LATERAL MOVEMENT OF THE OUTER LEGS APPROACHES ZERO. FOR THIS CONDITION, RESTRAIN ALL PIPE BETWEEN THE FITTINGS AND RESTRAIN THE OUTER LEGS AS DEAD ENDS.

NOTES:
SOURCE: Adapted from the EBAA Iron Restraint Length Calculator, Version 7.1.2
Materials = Poly Wrapped Ductile Iron Pipe
Soil Type = GM (Silty Gravels, Gravel-Sand-Silt Mixtures)
Test Pressure = 150 PSI
Safety Factor = 1.5
Trench Type = 4
Bury Depth = 6'
Low Side Depth = 8'

JOINT RESTRAINT LENGTHS FOR VERTICAL BENDS DETAIL

SCALE: NONE

(CITY OF MADISON S.D.D. 7.16)

NOTES:

1) CLEARANCE SHALL BE AS SPECIFIED IN THE STANDARD SPECIFICATIONS, AS INDICATED ON THE CONSTRUCTION DRAWINGS, OR AS OTHERWISE AUTHORIZED BY THE ENGINEER.

2) MINIMUM ALLOWABLE CLEARANCE WHEN CROSSING BELOW SANITARY OR STORM SEWERS IS 18-IN.

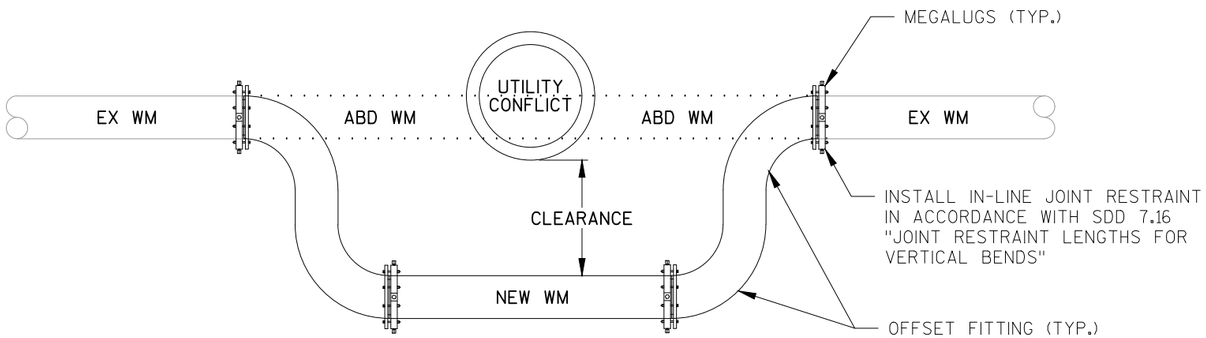
3) IF REQUIRED CLEARANCE CANNOT BE OBTAINED, USE 45° FITTINGS IN LIEU OF OFFSET FITTINGS.

4) 11.25°, 22.5°, OR 90° FITTINGS ARE NOT ALLOWED WITHOUT ENGINEER APPROVAL.

5) INSULATE AS REQUIRED PER THE STANDARD SPECIFICATIONS OR AS INDICATED ON THE DRAWINGS.

6) FITTINGS CONNECTED TO EXISTING WATER MAINS WITH CUT-IN CONNECTIONS PER THE STANDARD SPECIFICATIONS.

7) NEW PIPE SHALL HAVE NO JOINTS BETWEEN FITTINGS.



OFFSETTING EXISTING WATER MAIN UNDER UTILITY CONFLICTS
SCALE: NONE

NOTES:

1) CLEARANCE SHALL BE AS SPECIFIED IN THE STANDARD SPECIFICATIONS, AS INDICATED ON THE CONSTRUCTION DRAWINGS, OR AS OTHERWISE AUTHORIZED BY THE ENGINEER.

2) MINIMUM ALLOWABLE CLEARANCE WHEN CROSSING ABOVE SANITARY OR STORM SEWERS IS 6-IN.

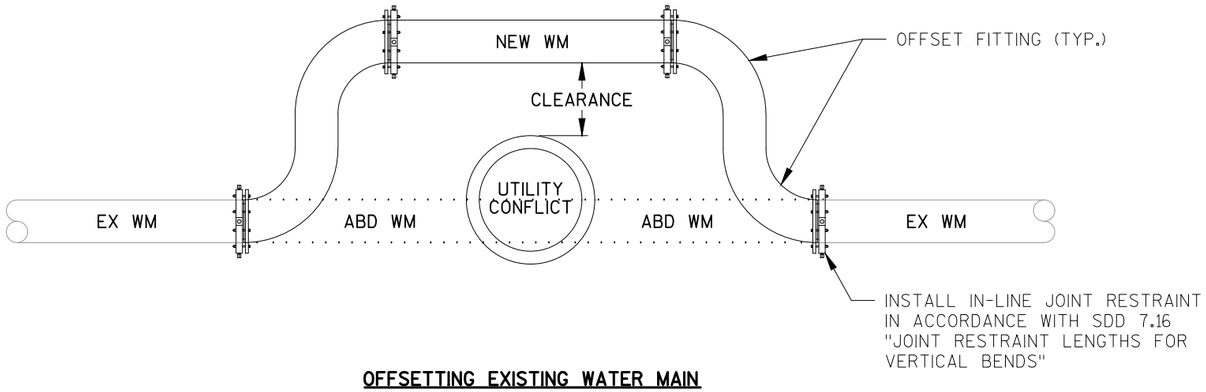
3) IF REQUIRED CLEARANCE CANNOT BE OBTAINED, USE 45° FITTINGS IN LIEU OF OFFSET FITTINGS.

4) 11.25°, 22.5°, OR 90° FITTINGS ARE NOT ALLOWED WITHOUT ENGINEER APPROVAL.

5) INSULATE AS REQUIRED PER THE STANDARD SPECIFICATIONS OR AS INDICATED ON THE DRAWINGS.

6) FITTINGS CONNECTED TO EXISTING WATER MAINS WITH CUT-IN CONNECTIONS PER THE STANDARD SPECIFICATIONS.

7) NEW PIPE SHALL HAVE NO JOINTS BETWEEN FITTINGS.



OFFSETTING EXISTING WATER MAIN OVER UTILITY CONFLICTS
SCALE: NONE

OFFSETTING EXISTING WATER MAIN OVER/UNDER UTILITY CONFLICTS DETAIL
SCALE: NONE

(CITY OF MADISON S.D.D. 7.22)

2

NOTES

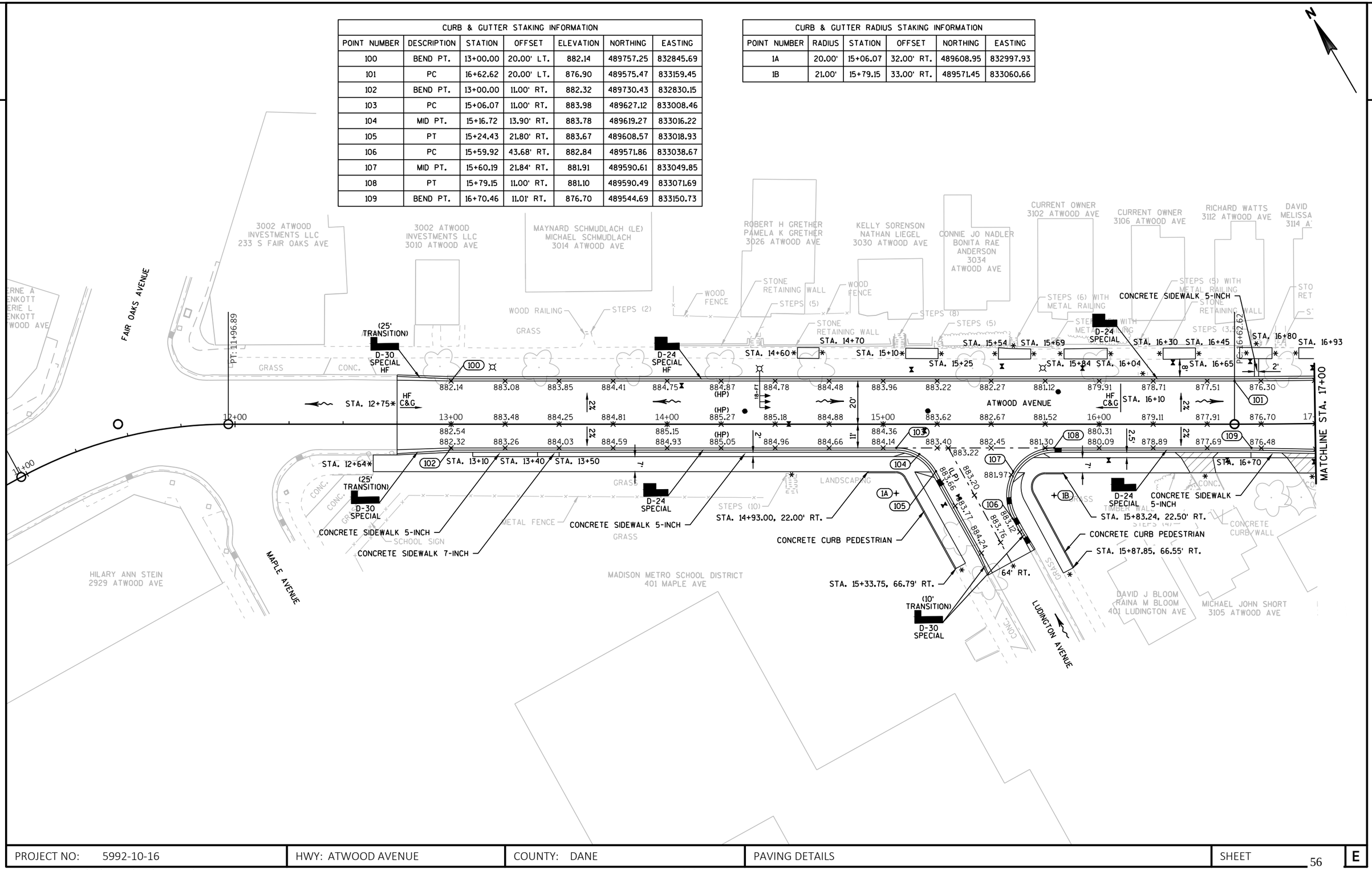
1. ELEVATIONS ARE AT 25-FOOT INTERVALS.
2. RADIUS DIMENSIONS ARE TO THE FACE OF CURB.
3. ALL MEDIAN NOSES ARE CONCRETE MEDIAN SLOPED NOSE TYPE 1 UNLESS OTHERWISE NOTED.
4. SIDEWALK REPLACEMENT AREAS ARE APPROXIMATE. ADJUST LIMITS IN THE FIELD TO THE NEAREST SIDEWALK JOINT LINE AS DIRECTED BY THE ENGINEER.

LEGEND

- CONCRETE DRIVEWAY 7-INCH
- ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- STAMPING COLORED CONCRETE
- X-XX — CONCRETE CURB & GUTTER XX-INCH TYPE X
- MANHOLE COVER
- INLET COVER
- WATER VALVE
- DRAINAGE DIRECTION
- SAWCUT REQUIRED
- STREET LIGHT POLE
- TRAFFIC SIGNAL POLE
- STREET LIGHTING & TRAFFIC SIGNAL CONTROL CABINET
- XX-FT — TRAFFIC SIGNAL TROMBONE ARMS ALUMINUM

CURB & GUTTER STAKING INFORMATION						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	BEND PT.	13+00.00	20.00' LT.	882.14	489757.25	832845.69
101	PC	16+62.62	20.00' LT.	876.90	489575.47	833159.45
102	BEND PT.	13+00.00	11.00' RT.	882.32	489730.43	832830.15
103	PC	15+06.07	11.00' RT.	883.98	489627.12	833008.46
104	MID PT.	15+16.72	13.90' RT.	883.78	489619.27	833016.22
105	PT	15+24.43	21.80' RT.	883.67	489608.57	833018.93
106	PC	15+59.92	43.68' RT.	882.84	489571.86	833038.67
107	MID PT.	15+60.19	21.84' RT.	881.91	489590.61	833049.85
108	PT	15+79.15	11.00' RT.	881.10	489590.49	833071.69
109	BEND PT.	16+70.46	11.01' RT.	876.70	489544.69	833150.73

CURB & GUTTER RADIUS STAKING INFORMATION					
POINT NUMBER	RADIUS	STATION	OFFSET	NORTHING	EASTING
1A	20.00'	15+06.07	32.00' RT.	489608.95	832997.93
1B	21.00'	15+79.15	33.00' RT.	489571.45	833060.66

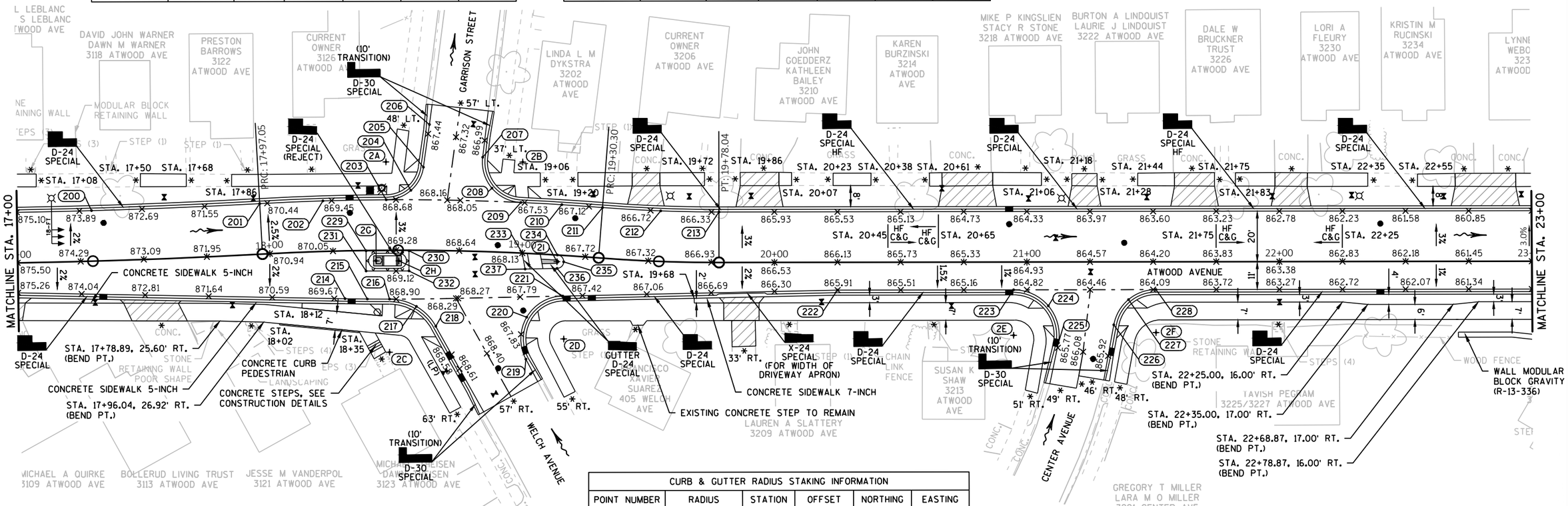


PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PAVING DETAILS	SHEET 56	E

CURB & GUTTER STAKING INFORMATION						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	MID PT.	17+29.83	20.00' LT.	873.66	489542.82	833217.59
201	PT/PC	17+97.05	20.00' LT.	870.57	489511.75	833276.58
202	MID PT.	18+21.61	20.00' LT.	869.58	489500.10	833298.76
203	PT/PC	18+46.18	20.00' LT.	868.79	489487.91	833320.65
204	MID PT.	18+55.75	23.69' LT.	868.47	489486.19	833330.97
205	PT	18+60.54	32.92' LT.	868.11	489491.64	833339.90
206	BEND PT.	18+62.68	49.81' LT.	867.26	489505.03	833350.44
207	PC	18+83.15	37.28' LT.	867.23	489483.22	833362.16
208	MID PT.	18+87.11	25.17' LT.	867.66	489470.79	833359.19
209	PT/PC	18+98.54	20.00' LT.	867.56	489460.15	833366.27
210	MID PT.	19+14.42	20.00' LT.	867.29	489451.26	833379.81
211	PT/PC	19+30.30	20.00' LT.	867.04	489442.16	833393.22
212	MID PT.	19+54.17	20.00' LT.	866.66	489429.42	833412.45

CURB & GUTTER STAKING INFORMATION						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
213	PT	19+78.04	20.00' LT.	866.28	489417.46	833432.19
214	PC	18+29.35	18.95' RT.	869.53	489462.20	833286.89
215	MID PT.	18+38.33	19.24' RT.	869.24	489457.66	833294.45
216	PT/PC	18+47.32	19.37' RT.	868.97	489453.20	833302.04
217	MID PT.	18+58.15	22.25' RT.	868.83	489445.37	833309.77
218	PT	18+66.14	30.03' RT.	868.71	489434.71	833312.47
219	PC	19+03.56	41.86' RT.	867.93	489405.54	833336.78
220	MID PT.	19+03.05	25.29' RT.	867.74	489419.70	833345.41
221	PT	19+17.13	16.08' RT.	867.53	489419.77	833361.99
222	BEND PT.	20+24.93	11.00' RT.	865.91	489367.13	833457.22
223	PC	20+94.69	11.00' RT.	864.89	489332.17	833517.59
224	MID PT.	21+08.44	17.38' RT.	865.13	489319.76	833526.28
225	PT	21+12.44	31.99' RT.	865.61	489305.10	833522.42

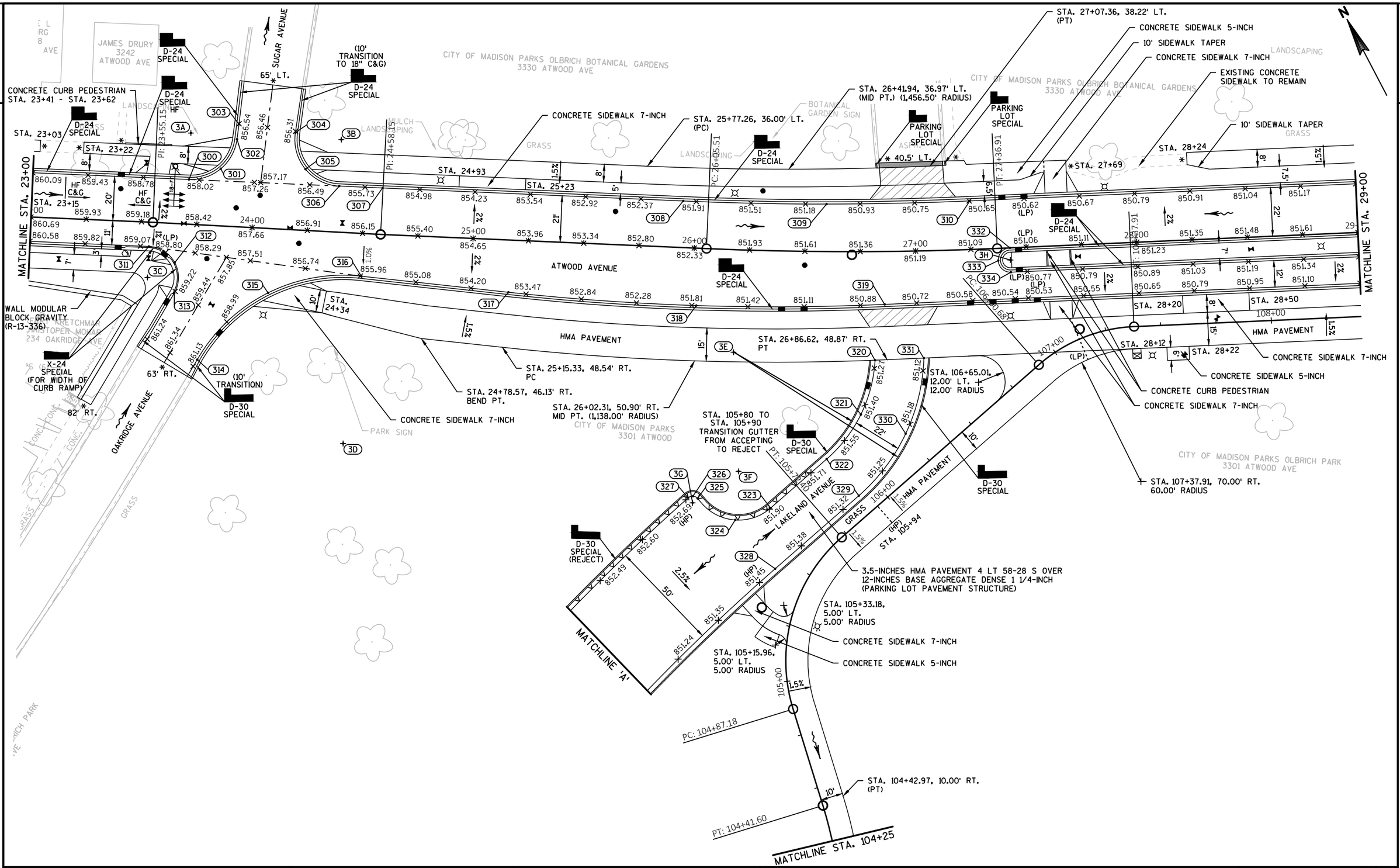
CURB & GUTTER STAKING INFORMATION						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
226	PC	21+34.39	24.92' RT.	864.92	489300.23	833544.96
227	MID PT.	21+40.23	14.94' RT.	864.61	489305.94	833555.02
228	PT	21+51.10	11.00' RT.	864.08	489303.89	833566.40
229	BEGIN C&G	18+38.11	0.13' RT.	869.63	489474.42	833303.62
230	END C&G	18+55.11	0.20' RT.	869.14	489465.90	833318.33
231	BEGIN C&G	18+38.00	8.13' RT.	869.47	489467.50	833299.61
232	END C&G	18+55.14	8.20' RT.	868.98	489458.98	833314.32
233	BEGIN C&G	19+00.00	0.00' .	868.13	489442.55	833356.66
234	PC	19+13.92	0.00' .	867.90	489434.90	833368.30
235	MID PT.	19+16.58	2.54' RT.	867.81	489431.32	833369.09
236	PT	19+14.15	5.29' RT.	867.79	489430.38	833365.54
237	BEGIN C&G	19+01.42	6.27' RT.	867.98	489436.51	833354.44



CURB & GUTTER RADIUS STAKING INFORMATION					
POINT NUMBER	RADIUS	STATION	OFFSET	NORTHING	EASTING
2A	14.00'	18+46.18	35.00' LT.	489500.92	833328.11
2B	15.00'	18+98.54	36.00' LT.	489473.59	833374.94
2C	20.00'	18+47.19	40.37' RT.	489435.05	833291.48
2D	16.00'	19+18.65	33.01' RT.	489404.89	833353.77
2E	17.00'	20+94.69	29.00' RT.	489316.59	833508.56
2F	16.00'	21+51.10	28.00' RT.	489289.18	833557.88
2G	3.00'	18+42.07	4.17' RT.	489468.96	833305.08
2H	3.00'	18+51.11	4.21' RT.	489464.45	833312.87
2I	2.65' (FLANGE)	19+13.92	2.65' RT.	489432.70	833366.83

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PAVING DETAILS	SHEET 57	E

2



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PAVING DETAILS	SHEET 58	E

2

CURB & GUTTER STAKING INFORMATION						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	PC	23+70.37	20.15' LT.	858.16	489220.71	833771.85
301	MID PT.	23+84.47	25.78' LT.	857.37	489218.37	833786.84
302	PT	23+91.09	39.45' LT.	856.92	489226.74	833799.51
303	BEND PT.	23+91.64	46.27' LT.	856.55	489232.32	833803.46
304	PC	24+17.26	43.83' LT.	856.34	489217.17	833824.25
305	MID PT.	24+22.68	27.62' LT.	856.49	489200.45	833820.65
306	PT	24+38.36	20.81' LT.	856.09	489186.60	833830.67
307	BEND PT.	24+57.94	21.00' LT.	855.49	489176.79	833847.60
308	PC	25+94.10	21.00' LT.	852.02	489108.63	833965.24
309	MID PT.	26+59.62	21.46' LT.	851.09	489077.40	834021.97
310	PT	27+25.33	21.96' LT.	850.65	489048.69	834080.00
311	PC	23+53.78	11.00' RT.	858.95	489202.30	833741.78
312	MID PT.	23+65.96	17.68' RT.	858.83	489190.42	833748.76
313	PT	23+66.47	31.45' RT.	859.27	489178.31	833742.18
314	PC	23+78.45	60.89' RT.	860.83	489146.88	833737.47
315	MID PT.	24+08.82	29.06' RT.	857.64	489158.77	833779.82
316	PT	24+50.48	19.31' RT.	855.94	489145.92	833820.64
317	PC	25+16.96	23.59' RT.	853.70	489108.72	833876.14

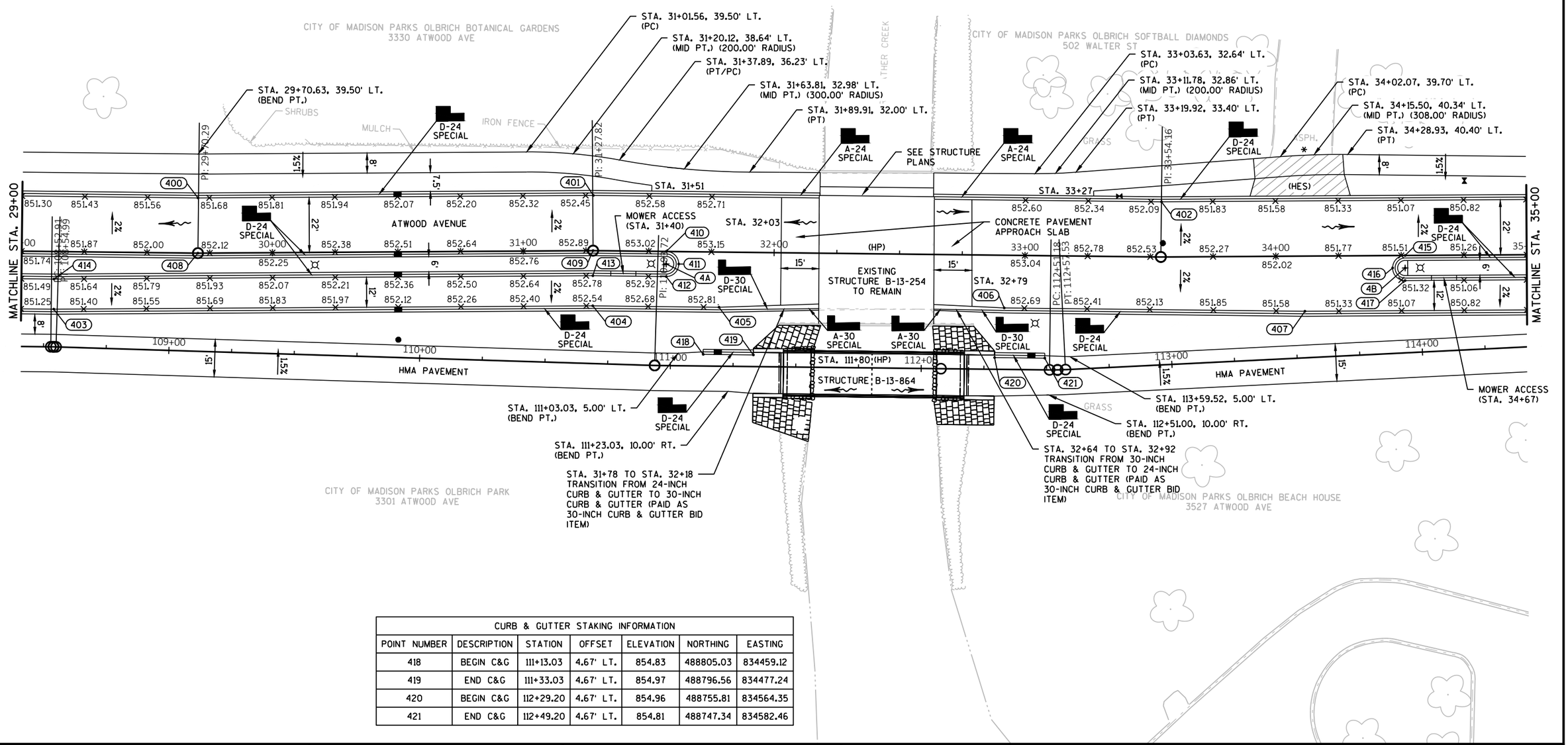
CURB & GUTTER STAKING INFORMATION						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
318	MID PT.	26+02.04	25.90' RT.	851.78	489064.07	833948.60
319	PT	26+85.80	23.88' RT.	850.80	489025.09	834024.25
320	PC	26+81.31	49.05' RT.	851.24	489004.78	834008.69
321	MID PT.	26+75.04	73.52' RT.	851.44	488986.04	833991.66
322	PT	26+60.48	93.65' RT.	851.64	488975.36	833968.70
323	PC	26+37.08	116.16' RT.	851.90	488967.49	833935.96
324	MID PT.	26+22.44	121.97' RT.	852.12	488970.12	833919.33
325	PT/PC	26+06.31	112.90' RT.	852.60	488986.62	833908.74
326	MID PT.	26+04.26	111.97' RT.	852.65	488988.48	833907.37
327	PT/PC	26+02.11	112.81' RT.	852.68	488988.83	833905.09
328	PT	26+39.52	143.51' RT.	851.42	488942.25	833925.10
329	PC	26+74.06	110.19' RT.	851.29	488953.97	833973.84
330	MID PT.	26+94.20	82.38' RT.	851.19	488968.97	834005.59
331	PT	27+02.69	48.40' RT.	851.10	488995.42	834028.69
332	PC	27+42.63	0.00' .	851.06	489021.51	834086.20
333	MID PT.	27+37.13	5.50' RT.	850.95	489018.86	834078.89
334	PT	27+42.63	11.00' RT.	850.78	489011.54	834081.54

CURB & GUTTER RADIUS STAKING INFORMATION					
POINT NUMBER	RADIUS	STATION	OFFSET	NORTHING	EASTING
3A	20.00'	23+70.16	41.15' LT.	489238.88	833782.37
3B	20.00'	24+38.16	41.81' LT.	489204.77	833841.20
3C	13.00'	23+53.78	25.00' RT.	489190.19	833734.76
3D	75.00'	24+46.28	95.19' RT.	489082.78	833778.33
3E	62.00'/88.00'	26+19.34	46.30' RT.	489037.59	833953.74
3F	20.00'	26+23.17	99.98' RT.	488988.88	833930.82
3G	5.00'	26+04.20	114.97' RT.	488985.92	833905.82
3H	4.50'	27+42.63	5.50' RT.	489016.53	834083.87

CURB & GUTTER STAKING INFORMATION						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
400	BEND PT.	29+70.48	22.00' LT.	851.66	488945.06	834301.56
401	BEND PT.	31+27.82	22.00' LT.	852.47	488880.80	834445.44
402	BEND PT.	33+54.55	22.00' LT.	852.04	488784.84	834650.60
403	BEND PT.	29+13.09	23.00' RT.	851.32	488928.45	834230.86
404	BEND PT.	31+27.56	22.00' RT.	852.56	488840.83	834427.05
405	BEND PT.	31+78.28	22.00' RT.	852.84	488819.50	834472.64
406	BEND PT.	32+91.96	21.00' RT.	852.78	488772.24	834576.04
407	BEND PT.	34+11.46	22.00' RT.	851.46	488721.46	834684.62
408	BEND PT.	29+70.29	0.00' .	852.10	488925.05	834292.42

CURB & GUTTER STAKING INFORMATION						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
409	BEND PT.	31+27.82	0.00' .	852.91	488860.81	834436.26
410	PC	31+56.97	0.00' LT.	853.06	488848.46	834462.66
411	MID PT.	31+62.01	4.96' RT.	853.01	488841.83	834465.12
412	PT	31+57.05	10.00' RT.	852.96	488839.37	834458.49
413	BEND PT.	31+27.67	10.00' RT.	852.80	488851.74	834432.04
414	BEND PT.	29+12.98	11.00' RT.	851.56	488939.37	834235.85
415	PC	34+51.53	0.00' .	851.50	488725.20	834730.18
416	MID PT.	34+46.53	4.96' RT.	851.56	488722.72	834723.59
417	PT	34+51.44	10.00' RT.	851.30	488716.11	834726.02

CURB & GUTTER RADIUS STAKING INFORMATION					
POINT NUMBER	RADIUS	STATION	OFFSET	NORTHING	EASTING
4A	4.00'	31+57.01	5.00' RT.	488843.91	834460.58
4B	4.00'	34+51.53	5.00' RT.	488720.64	834728.14

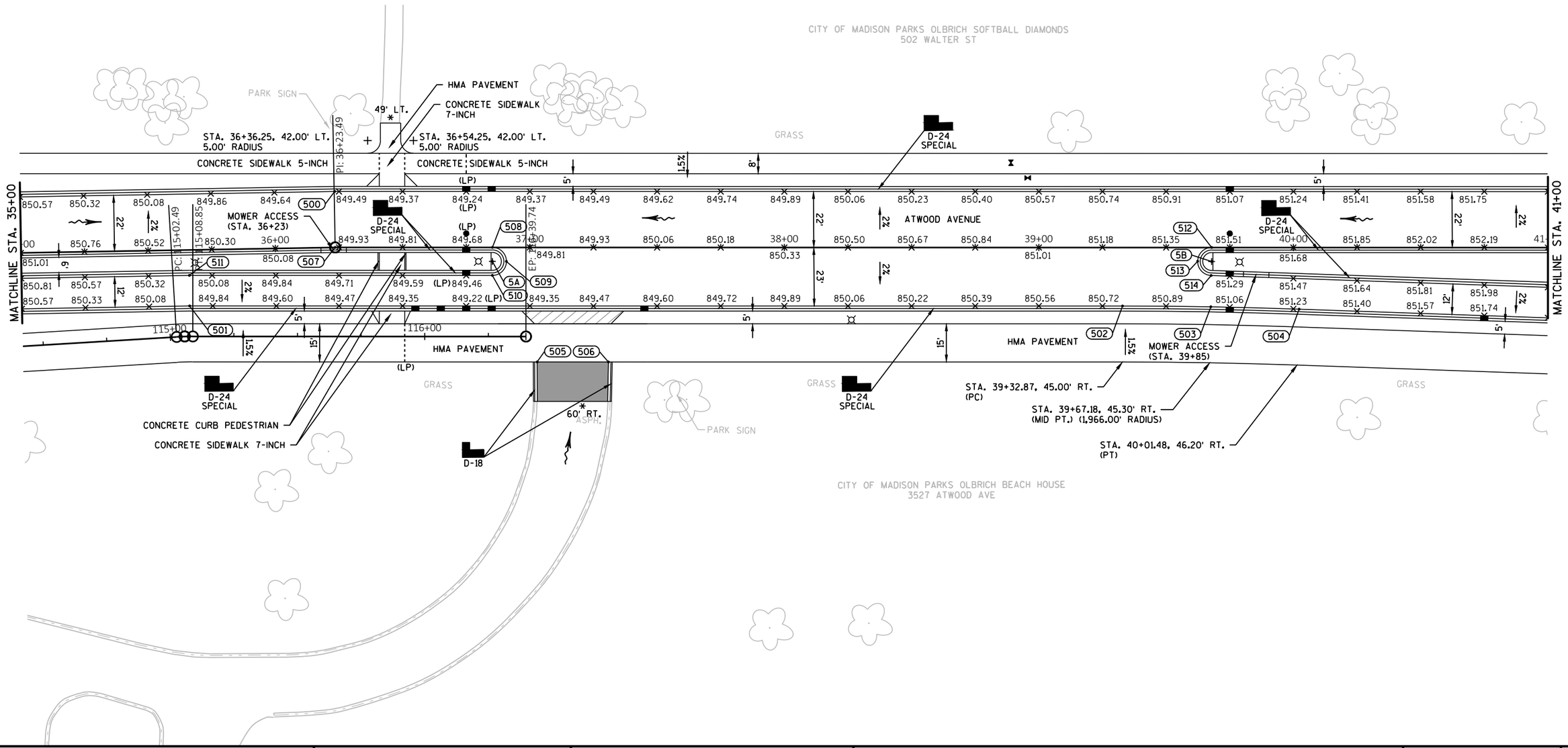


CURB & GUTTER STAKING INFORMATION						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
418	BEGIN C&G	111+13.03	4.67' LT.	854.83	488805.03	834459.12
419	END C&G	111+33.03	4.67' LT.	854.97	488796.56	834477.24
420	BEGIN C&G	112+29.20	4.67' LT.	854.96	488755.81	834564.35
421	END C&G	112+49.20	4.67' LT.	854.81	488747.34	834582.46

CURB & GUTTER STAKING INFORMATION						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
500	BEND PT.	36+23.49	22.00' LT.	849.50	488675.09	834896.34
501	BEND PT.	35+65.93	22.00' RT.	849.93	488658.46	834825.66
502	PC	39+32.87	23.00' RT.	850.78	488503.16	835157.69
503	MID PT.	39+67.56	23.30' RT.	851.01	488488.19	835188.98
504	PT	40+02.25	24.21' RT.	851.24	488472.67	835220.02
505	BEGIN C&G	37+02.85	45.00' RT.	849.86	488580.69	834940.01
506	BEGIN C&G	37+30.85	45.00' RT.	850.00	488568.82	834965.37
507	BEND PT.	36+23.49	0.00' .	849.94	488655.08	834887.19

CURB & GUTTER STAKING INFORMATION						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
508	PC	36+85.27	0.00' .	849.73	488628.90	834943.15
509	MID PT.	36+90.77	5.50' RT.	849.79	488621.59	834945.80
510	PT	36+85.27	11.00' RT.	849.71	488618.94	834938.49
511	BEND PT.	35+66.03	10.00' RT.	850.17	488669.38	834830.65
512	PC	39+67.87	0.00' .	851.47	488509.16	835199.14
513	MID PT.	39+62.38	5.40' RT.	851.41	488506.60	835191.87
514	PT	39+67.68	11.00' RT.	851.34	488499.28	835194.31

CURB & GUTTER RADIUS STAKING INFORMATION					
POINT NUMBER	RADIUS	STATION	OFFSET	NORTHING	EASTING
5A	4.50'	36+85.27	5.50' RT.	488623.92	834940.82
5B	4.50'	39+67.87	5.50' RT.	488504.18	835196.81



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PAVING DETAILS	SHEET 61	E

2

2

CHAIN LINK FENCE

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMOND
502 WALTER ST

PARK SIGN

GRASS

D-24 SPECIAL

(HP)

STA. 41+00

MATCHLINE STA. 41+00

5' 22' 2% 8' 1.5% 5' 15' 1.5%

851.92 852.09 852.25 852.42 852.55 852.67 852.80 852.92 852.85 852.72 852.60 852.47 852.34 852.21

852.36 852.53 852.69 852.86 852.99 853.11 853.24 853.36 853.29 853.16 853.04 852.91 852.78 852.65

852.15 852.32 852.49 852.66 852.78 852.91 853.03 853.18 853.12 852.99 852.85 852.71 852.57 852.43 852.29 852.15

851.91 852.08 852.25 852.42 852.54 852.67 852.79 852.91 852.78 852.66 852.53 852.39 852.25 852.11 851.97 851.83

42+00 43+00 44+00 45+00

D-24 SPECIAL

MOWER ACCESS (STA. 42+90)

STA. 43+33

CONCRETE SIDEWALK 5-INCH, STAMPING COLORED CONCRETE

HMA PAVEMENT

632 631 630 629 628 627 626 625 624 623 622 621 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620

STA. 41+78.24, 52.37' RT. (PC)

STA. 41+96.28, 52.84' RT. (MID PT.) (1,034.00' RADIUS)

STA. 42+14.32, 53.00' RT. (PT)

STA. 43+81.36, 53.00' RT. (PC)

STA. 44+94.02, 57.22' RT. (MID PT.) (985.00' RADIUS)

CONCRETE SIDEWALK 7-INCH

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

ATWOOD AVENUE

PC: 44+29.97

STA. 44+59 STA. 44+70 STA. 45+00

STA. 45+64.58, 106.50' LT. (STA. 651+16.22, 43.93' LT.) (PT)

STA. 45+53.85, 62.37' LT. (MID PT.) (59.00' RADIUS)

CONCRETE SIDEWALK 7-INCH

STA. 45+48.39, 40.00' LT. (PT)

STA. 45+41.94, 39.52' LT. (MID PT.) (30.00' RADIUS)

STA. 45+35.74, 37.60' LT. (PT/PC)

STA. 45+26.17, 34.32' LT. (MID PT.) (70.00' RADIUS)

STA. 45+15.62, 40.63' LT. (PC)

STA. 45+16.20, 32.65' LT. (PC)

CONCRETE SIDEWALK 7-INCH

GRASS 9'

D-24 SPECIAL

MATCHLINE STA. 200+50

1.5%

HMA PAVEMENT

BP: 200+00.00

21' 10'

849.99 850.30 850.61 850.93 851.29

6A

WALTER STREET

REJECT C&G

852.14 852.02 851.89 851.76

BP: 650+00.00

CONCRETE SIDEWALK 7-INCH

CONCRETE CURB PEDESTRIAN

851.74 851.79 851.67 851.54 851.63

D-24 SPECIAL

D-24 SPECIAL (REJECT)

851.69 851.55 851.41 851.27 851.15 851.02

6D

*ONLINE

*STA. 651+46

(10' TRANSITION)

D-30 SPECIAL

850.27 850.50 850.22 850.76 850.44 850.97 850.66 851.19 850.88 851.41

651+00

5'

GRASS

OLBRICH BY THE LAKE
3528 ATWOOD

CONCRETE SIDEWALK 7-INCH

6B

D-24 SPECIAL

STA. 46+72

HMA PAVEMENT

CONCRETE CURB PEDESTRIAN

46+00

851.51 851.38 851.29 851.20

633 634 635 636 637 638 639

6E

D-24 SPECIAL

851.16 851.02 850.90 850.78

MATCHLINE STA. 47+00

1.5%

CONCRETE SIDEWALK 5-INCH, STAMPING COLORED CONCRETE

STA. 46+09.86, 62.73' RT. (PT)

STA. 46+85 STA. 46+95

CONCRETE SIDEWALK 5-INCH

STA. 46+87.18, 63.74' RT. (PC)

CONCRETE SIDEWALK 7-INCH

6C

D-30 SPECIAL

851.37 851.33 851.28

80' RT.

111' RT.

HMA PAVEMENT

ASPH.

GRASS

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PAVING DETAILS	SHEET 62	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021207-pd

PLOT DATE : 9/12/2022 6:02 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

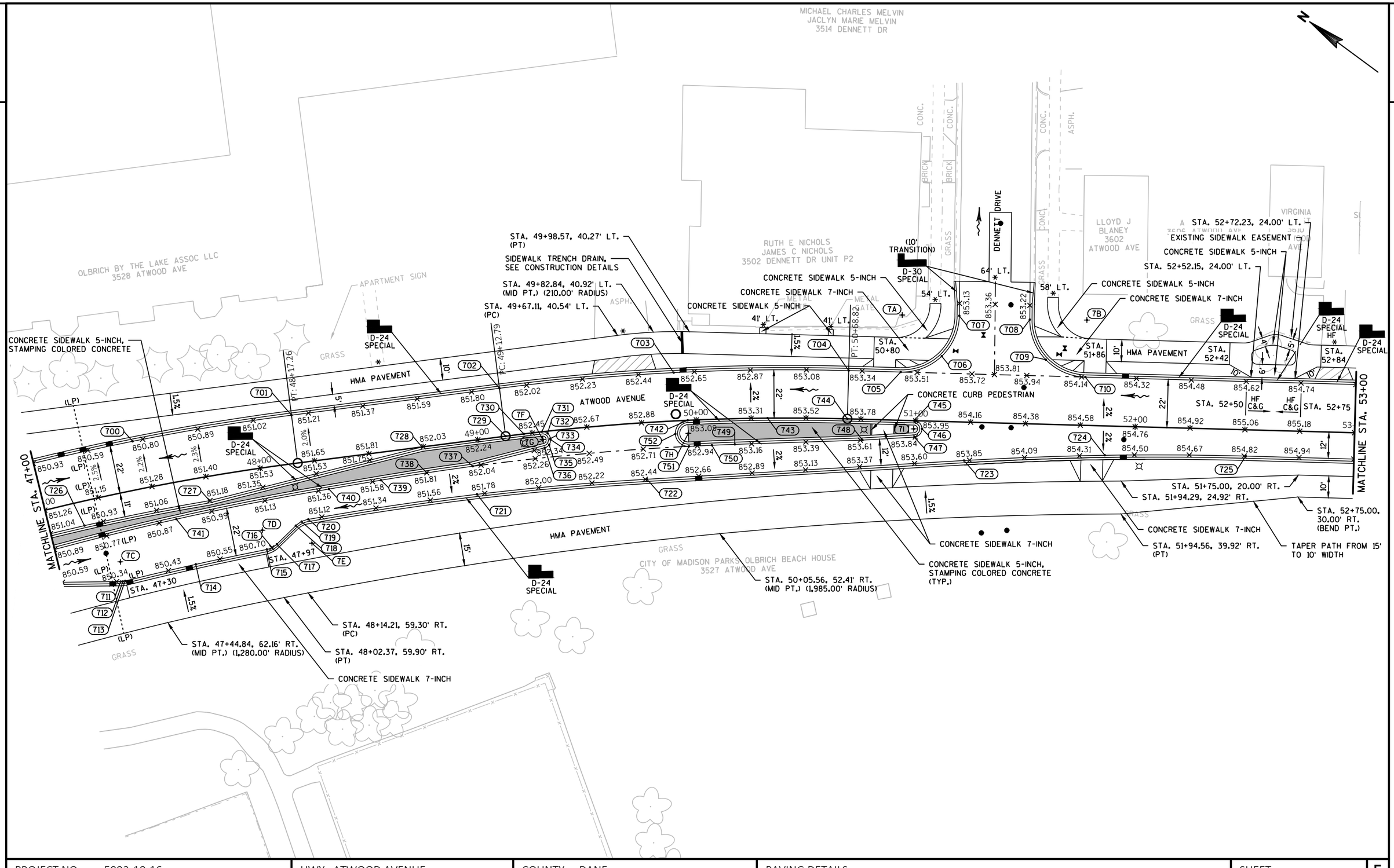
2

CURB & GUTTER STAKING INFORMATION						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
600	PC	44+29.97	22.00' LT.	852.19	488333.31	835627.03
601	MID PT.	44+71.88	22.00' LT.	851.97	488314.41	835665.42
602	PT	45+13.79	22.00' LT.	851.76	488294.00	835703.01
603	PC	45+50.34	24.33' LT.	851.77	488276.96	835736.34
604	MID PT.	45+81.17	41.65' LT.	851.30	488274.50	835772.47
605	PT	45+89.46	76.80' LT.	850.83	488298.96	835799.19
606	BEND PT.	46+11.25	126.03' LT.	850.21	488326.11	835846.70
607	PC	46+27.45	58.64' LT.	850.82	488260.96	835822.03
608	MID PT.	46+44.28	32.26' LT.	851.10	488229.31	835820.56
609	PT	46+73.51	22.00' LT.	851.20	488202.91	835838.07
610	PC	41+79.01	30.38' RT.	852.43	488392.19	835377.51
611	MID PT.	41+96.66	30.85' RT.	852.52	488384.29	835393.31
612	PT	42+14.32	31.00' RT.	852.61	488376.67	835409.24
613	PC	44+29.97	31.00' RT.	852.08	488285.30	835604.58
614	MID PT.	45+46.55	31.00' RT.	851.42	488231.78	835704.19
615	PT	46+63.12	31.00' RT.	850.84	488167.56	835797.25
616	PC	46+85.23	30.77' RT.	850.73	488154.41	835814.21
617	MID PT.	46+86.72	30.84' RT.	850.72	488153.45	835815.30
618	PT	46+88.19	31.09' RT.	850.70	488152.35	835816.24
619	BEGIN C&G	46+04.96	62.50' RT.	851.66	488174.98	835733.82

CURB & GUTTER STAKING INFORMATION						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
620	BEGIN C&G	46+32.77	63.59' RT.	851.55	488158.95	835754.50
621	PC	44+29.97	0.00' .	852.63	488313.38	835617.71
622	MID PT.	45+00.34	0.00' .	852.27	488281.45	835680.41
623	PT/PC	45+70.71	0.00' .	851.91	488245.40	835740.82
624	MID PT.	45+74.73	3.99' RT.	851.81	488239.87	835742.02
625	PT/PC	45+70.71	8.00' RT.	851.75	488238.67	835736.50
626	MID PT.	45+00.34	8.00' RT.	852.14	488274.45	835676.54
627	PT	44+29.97	8.00' RT.	852.54	488306.13	835614.32
628	BEND PT.	43+48.34	8.00' RT.	852.84	488340.72	835540.38
629	BEND PT.	42+60.46	19.00' RT.	853.02	488367.99	835456.12
630	PC	42+14.32	19.00' RT.	852.85	488387.54	835414.32
631	MID PT.	41+96.87	18.85' RT.	852.76	488395.07	835398.58
632	PT	41+79.42	18.39' RT.	852.68	488402.88	835382.97
633	PC/PC	46+57.35	11.00' RT.	851.25	488186.85	835804.98
634	MID PT.	46+53.29	14.99' RT.	851.20	488186.11	835799.38
635	PT/PC	46+57.35	19.00' RT.	851.10	488180.50	835800.12
636	MID PT.	46+60.24	19.00' RT.	851.09	488178.78	835802.36
637	PT	46+63.12	19.00' RT.	851.08	488177.04	835804.60
638	PC	46+86.13	18.75' RT.	850.96	488163.20	835822.46

CURB & GUTTER RADIUS STAKING INFORMATION					
POINT NUMBER	RADIUS	STATION	OFFSET	NORTHING	EASTING
6A	45.00'	45+46.91	70.19' LT.	488317.92	835757.28
6B	50.00'	46+73.51	73.00' LT.	488242.90	835869.72
6C	10.00'	46+85.69	41.77' RT.	488145.59	835807.64
6D	3.00'	45+70.71	4.00' RT.	488242.03	835738.66
6E	3.00'	46+57.35	15.00' RT.	488183.68	835802.55

2



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PAVING DETAILS	SHEET 64	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021208-pd

PLOT DATE : 10/12/2022 10:15 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

CURB & GUTTER STAKING INFORMATION						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
700	MID PT.	47+45.38	22.00' LT.	850.76	488155.44	835894.01
701	PT	48+17.26	22.00' LT.	851.15	488104.25	835946.58
702	PC	49+12.79	22.00' LT.	851.91	488035.30	836012.70
703	MID PT.	49+90.80	22.00' LT.	852.58	487975.66	836065.58
704	PT	50+68.82	22.00' LT.	853.24	487912.08	836113.66
705	PC	50+92.52	22.00' LT.	853.49	487892.63	836127.21
706	MID PT.	51+11.02	29.74' LT.	853.40	487881.87	836144.13
707	PT	51+18.52	48.34' LT.	853.24	487886.35	836163.68
708	PC	51+50.68	47.48' LT.	853.35	487859.47	836181.36
709	MID PT.	51+58.48	29.43' LT.	853.76	487842.76	836171.00
710	PT	51+76.68	22.00' LT.	854.16	487823.57	836175.31
711	PC	47+26.81	39.47' RT.	850.33	488121.86	835839.33
712	MID PT.	47+27.88	39.62' RT.	850.32	488121.07	835840.00
713	PT	47+28.96	39.65' RT.	850.33	488120.36	835840.77
714	MID PT.	47+63.29	38.49' RT.	850.50	488098.97	835865.99
715	PT/PC	47+97.56	37.09' RT.	850.67	488076.94	835890.65
716	MID PT.	48+00.20	36.59' RT.	850.70	488075.48	835892.80
717	PT	48+02.58	35.39' RT.	850.74	488074.70	835895.27
718	PC	48+12.64	28.21' RT.	850.97	488072.73	835907.22
719	MID PT.	48+15.53	26.72' RT.	851.02	488071.75	835910.24
720	PT/PC	48+18.76	26.09' RT.	851.06	488069.88	835912.91
721	MID PT.	48+96.46	24.61' RT.	851.75	488014.83	835967.76
722	PT	49+75.78	25.79' RT.	852.44	487956.62	836019.25
723	PC	51+22.46	17.54' RT.	853.82	487845.47	836111.88
724	MID PT.	51+86.52	13.38' RT.	854.40	487795.27	836151.90
725	PT	52+50.70	12.00' RT.	854.82	487743.40	836189.72
726	MID PT.	47+16.05	11.00' RT.	851.08	488150.24	835850.07
727	PT	47+74.76	11.00' RT.	851.18	488111.17	835893.04

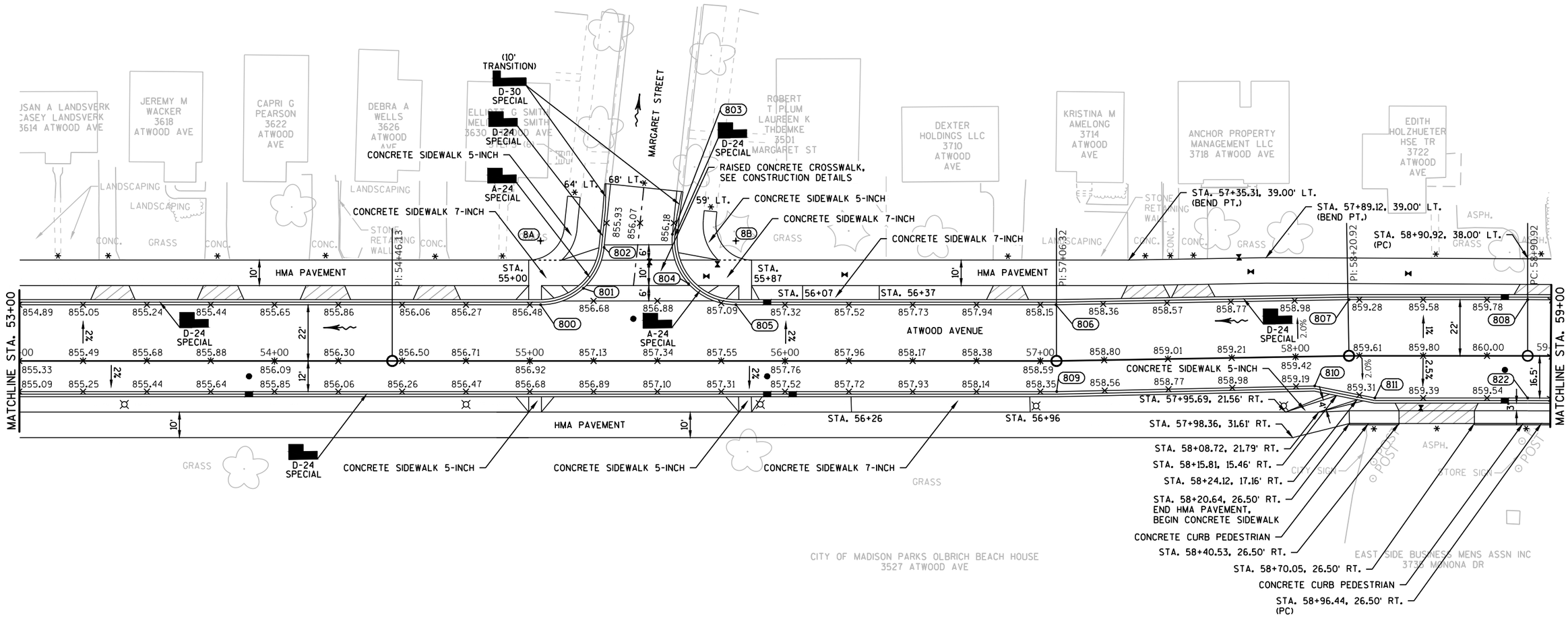
CURB & GUTTER STAKING INFORMATION						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
728	BEND PT.	48+74.36	0.00' .	852.02	488047.81	835970.22
729	PC	49+12.79	0.00' .	852.35	488020.07	835996.82
730	MID PT.	49+21.09	0.00' .	852.42	488014.06	836002.54
731	PT/PC	49+29.40	0.00' .	852.49	488007.99	836008.21
732	MID PT.	49+31.88	1.03' RT.	852.55	488005.47	836009.15
733	PT	49+32.91	3.50' RT.	852.47	488003.04	836008.02
734	PC	49+32.91	3.93' RT.	852.46	488002.75	836007.71
735	MID PT.	49+32.05	6.22' RT.	852.42	488001.82	836005.45
736	PT	49+29.89	7.39' RT.	852.40	488002.61	836003.13
737	PC	48+96.18	11.69' RT.	852.00	488023.97	835976.89
738	MID PT.	48+75.02	11.97' RT.	851.81	488039.05	835962.04
739	PT	48+53.87	12.63' RT.	851.62	488053.86	835946.93
740	PT	48+29.85	13.58' RT.	851.40	488070.53	835929.61
741	MID PT.	47+58.18	16.66' RT.	850.91	488118.30	835877.27
742	PC/PT	49+96.09	0.00' .	853.06	487957.62	836051.91
743	MID PT.	50+32.46	0.00' .	853.37	487928.96	836074.29
744	PT	50+68.82	0.00' .	853.68	487899.50	836095.61
745	PC	50+99.17	0.00' .	853.94	487874.60	836112.96
746	MID PT.	51+02.92	3.59' RT.	853.91	487869.47	836112.15
747	PT	50+99.49	7.48' RT.	853.83	487870.06	836107.00
748	BEND PT.	50+75.99	9.51' RT.	853.62	487888.19	836091.90
749	PC	50+17.25	11.73' RT.	853.09	487933.84	836055.79
750	MID PT.	50+06.69	11.82' RT.	852.99	487942.01	836049.28
751	PT/PC	49+96.12	11.88' RT.	852.90	487950.11	836042.69
752	MID PT.	49+90.11	5.94' RT.	853.00	487958.48	836043.54

CURB & GUTTER RADIUS STAKING INFORMATION					
POINT NUMBER	RADIUS	STATION	OFFSET	NORTHING	EASTING
7A	25.00'	50+92.52	48.00' LT.	487907.49	836148.54
7B	25.00'	51+76.68	48.00' LT.	487838.43	836196.64
7C	10.00'	47+28.67	30.65' RT.	488127.29	835846.50
7D	10.00'	47+96.82	28.11' RT.	488083.79	835896.50
7E	10.00'	48+19.00	37.09' RT.	488062.10	835905.13
7F	2.50'	49+29.40	3.50' RT.	488005.61	836005.65
7G	2.50'	49+29.40	3.92' RT.	488005.32	836005.34
7H	4.94'	49+96.09	5.94' RT.	487953.88	836047.29
7I	2.75'	50+99.17	3.75' RT.	487872.46	836109.88

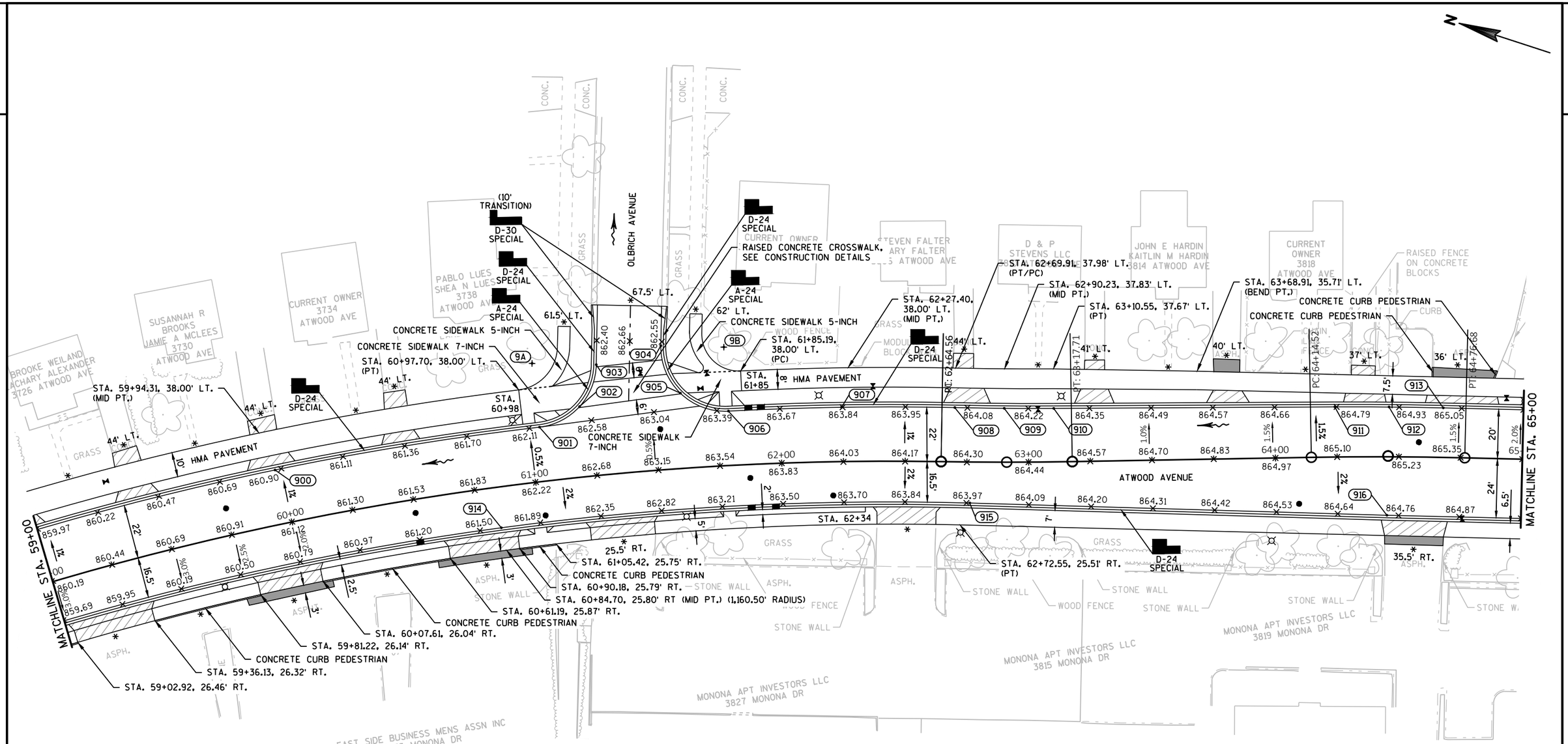
CURB & GUTTER STAKING INFORMATION						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
800	PC	55+04.23	22.00' LT.	856.52	487554.80	836362.53
801	MID PT.	55+20.97	28.43' LT.	856.61	487544.74	836377.38
802	PT	55+29.10	44.43' LT.	856.19	487547.21	836395.14
803	PC	55+55.87	49.57' LT.	856.33	487528.19	836414.67
804	MID PT.	55+62.17	30.26' LT.	856.93	487511.97	836402.42
805	PT	55+80.74	22.00' LT.	857.15	487492.02	836406.25
806	BEND PT.	57+06.11	22.00' LT.	858.20	487389.14	836477.91
807	BEND PT.	58+20.92	22.00' LT.	859.24	487296.10	836545.16

CURB & GUTTER STAKING INFORMATION						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
808	PC	58+90.92	22.00' LT.	859.90	487238.66	836585.17
809	BEND PT.	57+06.32	12.00' RT.	858.40	487369.45	836450.19
810	BEND PT.	58+07.30	11.56' RT.	859.25	487287.79	836509.77
811	BEND PT.	58+31.04	16.50' RT.	859.32	487265.78	836519.36
822	PC	58+90.92	16.50' RT.	859.64	487216.65	836553.58

CURB & GUTTER RADIUS STAKING INFORMATION					
POINT NUMBER	RADIUS	STATION	OFFSET	NORTHING	EASTING
8A	24.00'	55+04.23	47.00' LT.	487569.09	836383.04
8B	24.00'	55+80.74	47.00' LT.	487506.31	836426.77



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PAVING DETAILS	SHEET 66	E



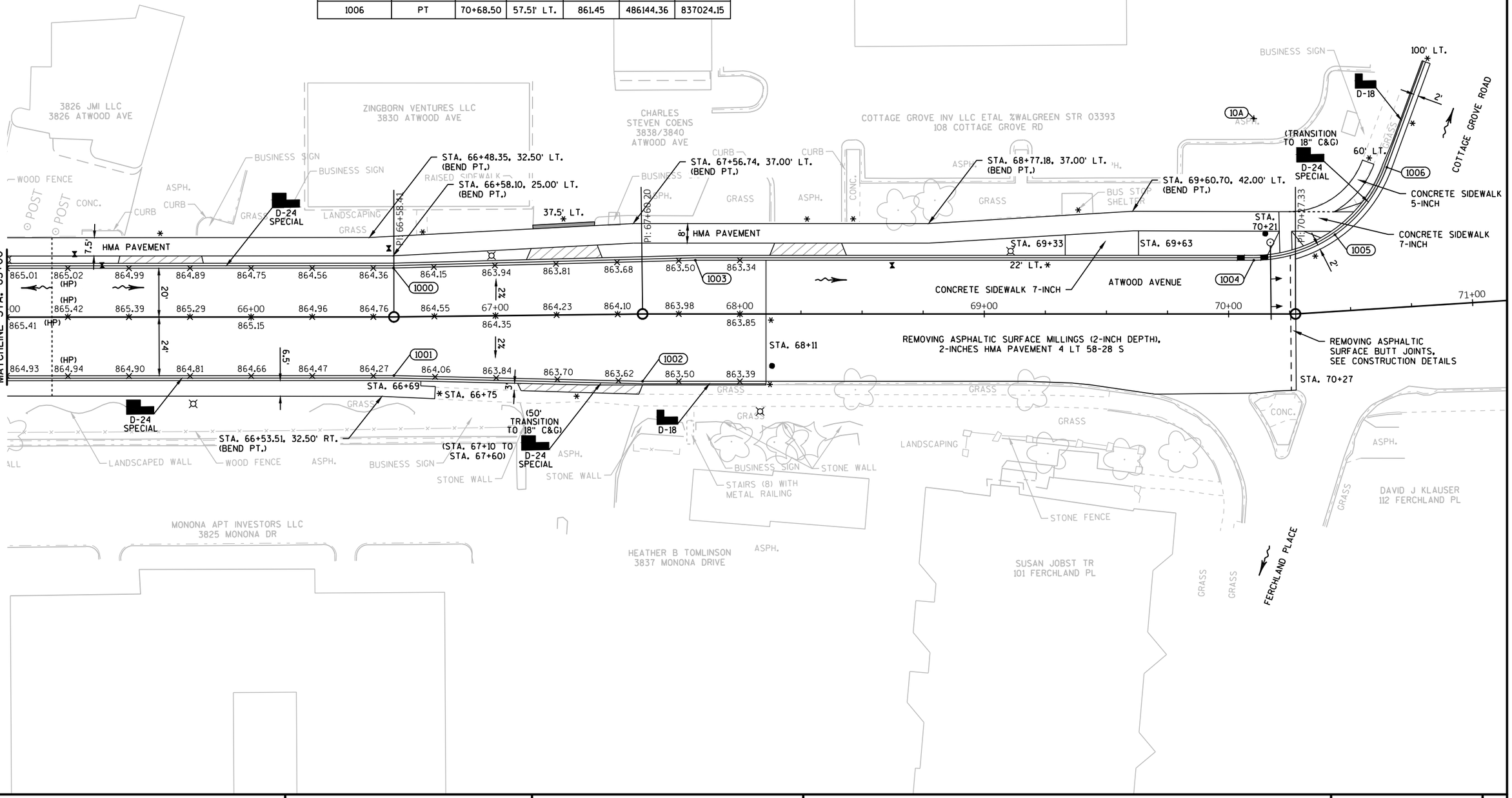
CURB & GUTTER STAKING INFORMATION						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
900	MID PT.	59+97.52	22.00' LT.	860.88	487146.94	836643.19
901	PT/PC	61+04.13	22.00' LT.	862.18	487050.44	836692.83
902	MID PT.	61+20.82	28.52' LT.	862.68	487037.58	836705.79
903	PT	61+28.96	44.73' LT.	862.53	487036.41	836724.00
904	PC	61+54.66	50.18' LT.	862.61	487013.92	836739.41
905	MID PT.	61+60.98	30.45' LT.	863.17	487000.44	836723.59
906	PT/PC	61+79.55	22.00' LT.	863.45	486979.68	836722.69
907	MID PT.	62+24.58	22.00' LT.	863.84	486936.60	836738.38
908	PT/PC	62+69.78	21.98' LT.	864.06	486892.95	836752.43

CURB & GUTTER STAKING INFORMATION						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
909	MID PT.	62+90.11	21.83' LT.	864.17	486873.82	836758.34
910	PT	63+10.43	21.67' LT.	864.28	486854.76	836764.51
911	PC	64+24.27	20.29' LT.	864.79	486746.67	836800.33
912	MID PT.	64+45.94	20.16' LT.	864.91	486725.77	836807.08
913	PT	64+67.61	20.03' LT.	865.02	486704.78	836813.54
914	MID PT.	60+83.76	16.50' RT.	861.63	487052.55	836649.31
915	PT	62+76.30	16.61' RT.	863.98	486875.24	836717.54
916	BEND PT.	64+45.18	23.67' RT.	864.73	486713.04	836765.13

CURB & GUTTER RADIUS STAKING INFORMATION					
POINT NUMBER	RADIUS	STATION	OFFSET	NORTHING	EASTING
9A	25.00'	61+04.13	48.00' LT.	487061.29	836716.46
9B	25.00'	61+79.09	48.00' LT.	486989.49	836746.78

CURB & GUTTER STAKING INFORMATION						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1000	BEND PT.	66+58.26	20.00' LT.	864.29	486522.03	836868.28
1001	BEND PT.	66+58.40	24.00' RT.	864.21	486509.26	836826.17
1002	BEND PT.	67+59.88	27.50' RT.	863.57	486411.09	836853.09
1003	BEND PT.	67+81.75	22.00' LT.	863.45	486404.62	836906.69
1004	PC	70+10.30	22.00' LT.	862.27	486185.64	836972.14
1005	MID PT.	70+45.54	31.35' LT.	862.13	486156.82	836991.65
1006	PT	70+68.50	57.51' LT.	861.45	486144.36	837024.15

CURB & GUTTER RADIUS STAKING INFORMATION					
POINT NUMBER	RADIUS	STATION	OFFSET	NORTHING	EASTING
10A	58.00'	70+10.30	80.00' LT.	486202.25	837027.71



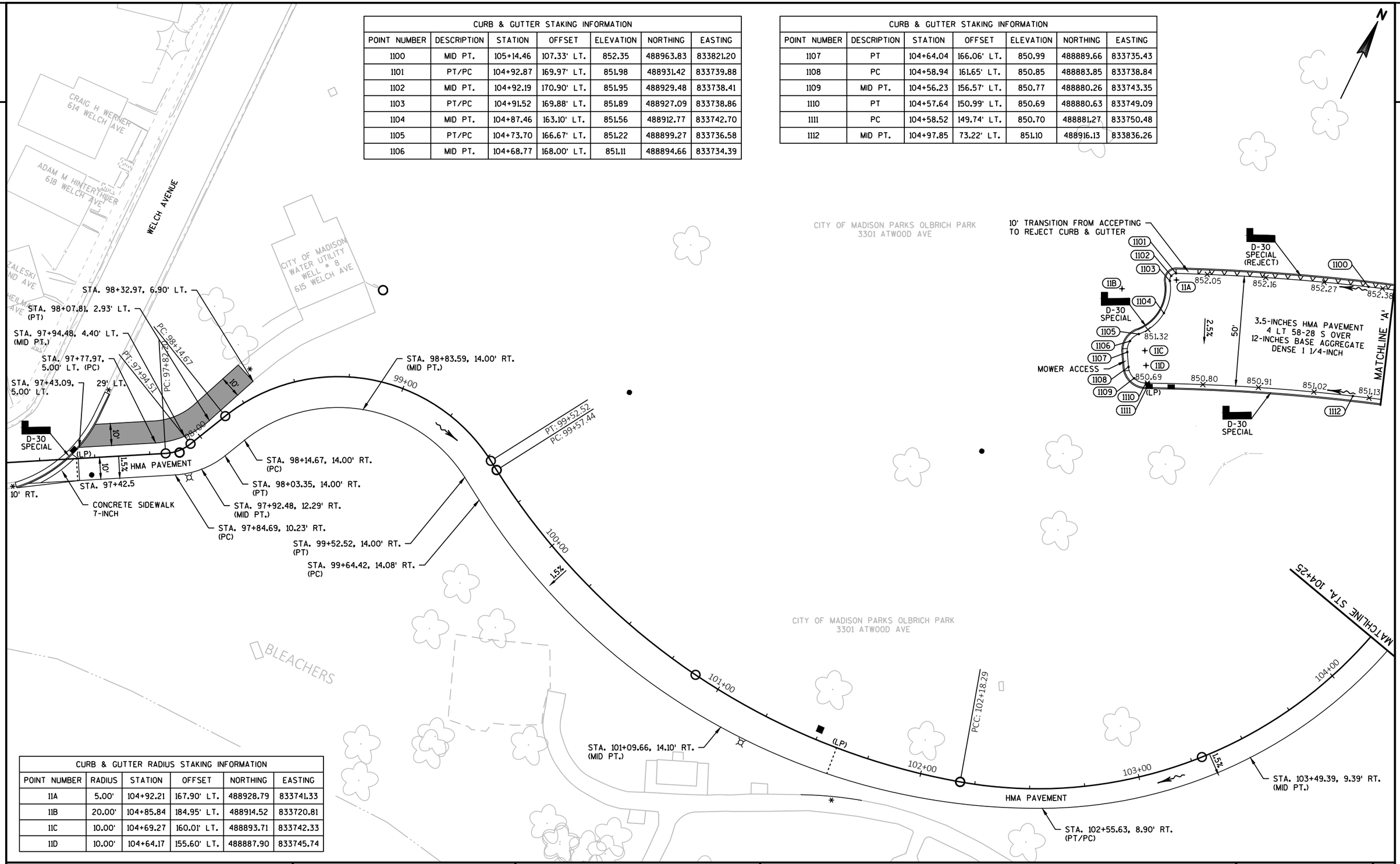
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PAVING DETAILS	SHEET 68	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021211-pd

PLOT DATE : 9/12/2022 6:02 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

CURB & GUTTER STAKING INFORMATION						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1100	MID PT.	105+14.46	107.33' LT.	852.35	488963.83	833821.20
1101	PT/PC	104+92.87	169.97' LT.	851.98	488931.42	833739.88
1102	MID PT.	104+92.19	170.90' LT.	851.95	488929.48	833738.41
1103	PT/PC	104+91.52	169.88' LT.	851.89	488927.09	833738.86
1104	MID PT.	104+87.46	163.10' LT.	851.56	488912.77	833742.70
1105	PT/PC	104+73.70	166.67' LT.	851.22	488899.27	833736.58
1106	MID PT.	104+68.77	168.00' LT.	851.11	488894.66	833734.39

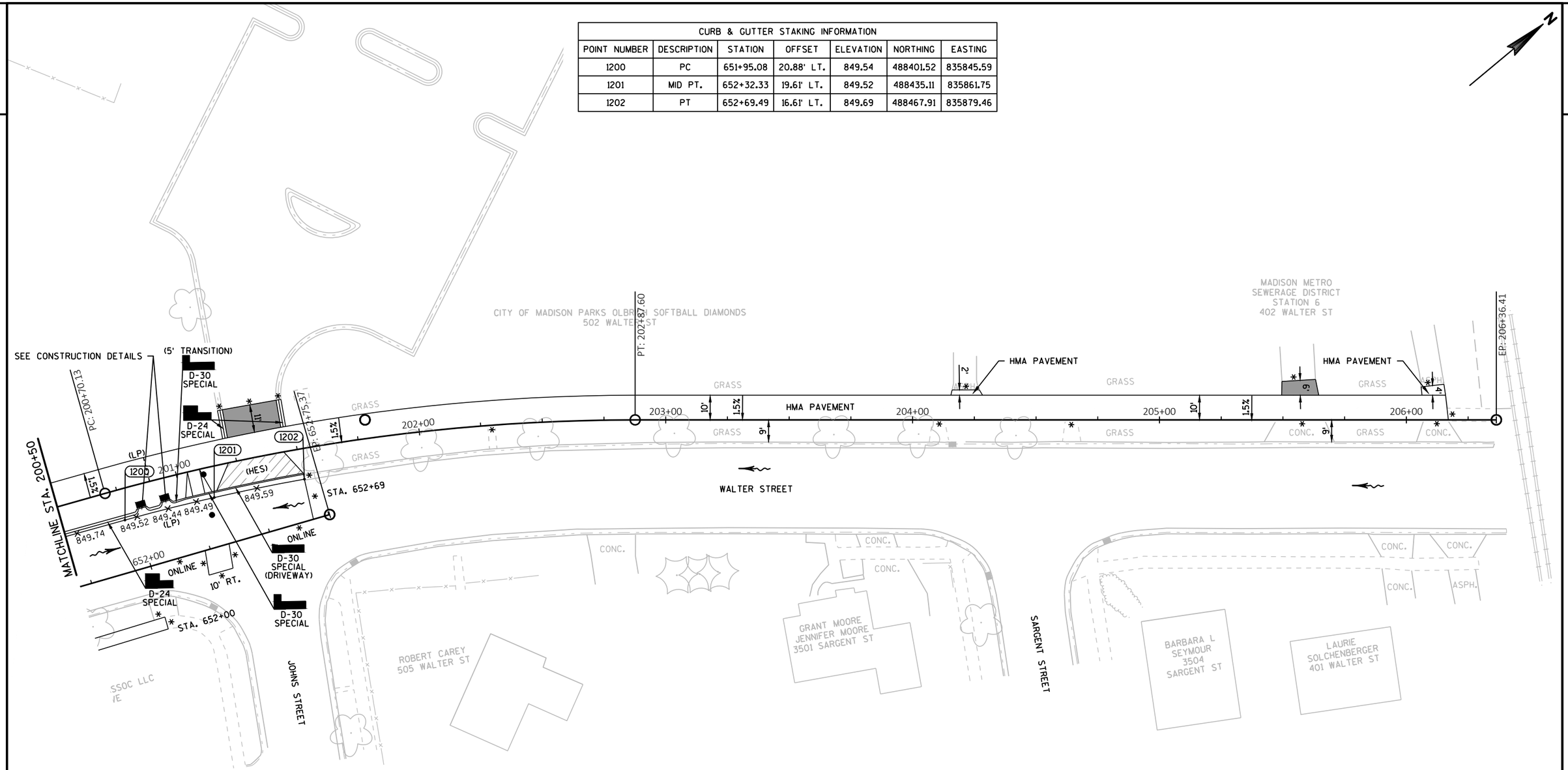
CURB & GUTTER STAKING INFORMATION						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1107	PT	104+64.04	166.06' LT.	850.99	488889.66	833735.43
1108	PC	104+58.94	161.65' LT.	850.85	488883.85	833738.84
1109	MID PT.	104+56.23	156.57' LT.	850.77	488880.26	833743.35
1110	PT	104+57.64	150.99' LT.	850.69	488880.63	833749.09
1111	PC	104+58.52	149.74' LT.	850.70	488881.27	833750.48
1112	MID PT.	104+97.85	73.22' LT.	851.10	488916.13	833836.26



CURB & GUTTER RADIUS STAKING INFORMATION					
POINT NUMBER	RADIUS	STATION	OFFSET	NORTHING	EASTING
11A	5.00'	104+92.21	167.90' LT.	488928.79	833741.33
11B	20.00'	104+85.84	184.95' LT.	488914.52	833720.81
11C	10.00'	104+69.27	160.01' LT.	488893.71	833742.33
11D	10.00'	104+64.17	155.60' LT.	488887.90	833745.74

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PAVING DETAILS	SHEET 69	E

CURB & GUTTER STAKING INFORMATION						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1200	PC	651+95.08	20.88' LT.	849.54	488401.52	835845.59
1201	MID PT.	652+32.33	19.61' LT.	849.52	488435.11	835861.75
1202	PT	652+69.49	16.61' LT.	849.69	488467.91	835879.46



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PAVING DETAILS	SHEET 70	E

2

15+00

16+00

CITY OF MADISON (SANITARY)

CITY OF MADISON (WATERMAIN)

MG&E (ELECTRIC)

ATWOOD AVENUE

14+93.00, 15.00' RT.
ELEV. = 884.80

15+04.82, 15.00' RT.
ELEV. = 883.93

15+12.74, 15.06' RT.
ELEV. = 883.81

15+15.61, 13.29' RT.
ELEV. = 883.79

15+14.71, 15.07' RT.
ELEV. = 883.73

14+93.00, 22.00' RT.
ELEV. = 884.90

15+04.82, 22.00' RT.
ELEV. = 884.04

15+05.93, 22.00' RT.
ELEV. = 884.03

15+05.93, 27.00' RT.
RADIUS PT.

15+10.30, 24.57' RT.
ELEV. = 884.18

15+14.64, 22.06' RT.
ELEV. = 883.96

CURB RAMP DETECTABLE WARNING
FIELD RADIAL NATURAL PATINA (TYP.)

CONCRETE
SIDEWALK
5-INCH

15+24.01, 21.09' RT.
ELEV. = 883.67

15+22.33, 22.10' RT.
ELEV. = 883.61

INLET COVER (TYP.)

MG&E (GAS)

AT&T (FIBER)

MG&E (OVERHEAD)
CHARTER (OVERHEAD)

CITY OF MADISON (FIBER)

AT&T (TELEPHONE)

LANDSCAPING

EXISTING R/W

DETECTABLE WARNING FIELD RADIAL INFORMATION:
BACK OF CURB RADIUS = 19.00'
CURB RAMP LANDING LENGTH 'XR' = 9.62'
RADIAL WARNING FIELD AREA = 20.81 S.F.
RADIAL LONG CHORD DIMENSION = 10.37'

MADISON METRO SCHOOL DISTRICT
401 MAPLE AVE

CONCRETE CURB PEDESTRIAN

15+33.75, 66.79' RT.
ELEV. = 885.74
(MATCH EXISTING)

EXISTING CONCRETE
SIDEWALK TO REMAIN

15+68.60, 13.69' RT.
ELEV. = 881.69

15+69.56, 15.45' RT.
ELEV. = 881.66

15+65.56, 22.47' RT.
ELEV. = 881.93

15+60.49, 21.35' RT.
ELEV. = 881.90

15+62.19, 22.41' RT.
ELEV. = 881.87

CONCRETE
SIDEWALK
5-INCH

15+77.34, 15.50' RT.
ELEV. = 881.78

15+77.34, 22.50' RT.
ELEV. = 881.88

16+14.82, 15.50' RT.
ELEV. = 879.92

16+14.82, 22.50' RT.
ELEV. = 880.02

15+83.24, 22.50' RT.
ELEV. = 881.59

15+75.10, 22.50' RT.
ELEV. = 881.89

GRASS

15+75.10, 29.00' RT.
RADIUS PT.

DETECTABLE WARNING FIELD RADIAL INFORMATION:
BACK OF CURB RADIUS = 20.00'
CURB RAMP LANDING LENGTH 'XR' = 12.76'
RADIAL WARNING FIELD AREA = 22.49 S.F.
RADIAL LONG CHORD DIMENSION = 10.14'

15+65.29, 35.07' RT.
ELEV. = 882.56

15+69.30, 31.92' RT.
ELEV. = 882.56

CAUTION

15+38.12, 64.36' RT.
ELEV. = 885.58
(MATCH EXISTING)

LUDINGTON AVENUE

DAVID J BLOOM
RAINA M BLOOM
401 LUDINGTON AVE

CONCRETE CURB PEDESTRIAN

15+87.85, 66.55' RT.
ELEV. = 884.55
(MATCH EXISTING)

15+83.44, 68.92' RT.
ELEV. = 884.43
(MATCH EXISTING)

EXISTING CONCRETE
SIDEWALK TO REMAIN

LEGEND

- DETECTABLE WARNING FIELD
- ADA LEVEL LANDING
- GUTTER PAN SLOPE TRANSITION (6.25% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (C) 10:1 CONCRETE FLARE
- (G) 6:1 GRADED FLARE

NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.

2. ALL LANDINGS SHALL BE 5'X5' MINIMUM IN AREA. CROSS SLOPE SHALL BE 1.5% IN ALL DIRECTIONS.

3. SLOPE PERCENTS SHOWN ARE FOR GENERAL GUIDANCE OF THE CONTRACTOR AND TO ALLOW FOR ADJUSTMENT IN THE FIELD WITHIN THE 8.33% MAXIMUM.

4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CURB RAMP DETAILS: ATWOOD AVENUE & LUDINGTON AVENUE	SHEET 71	E

LEGEND
- DETECTABLE WARNING FIELD
- ADA LEVEL LANDING
- GUTTER PAN SLOPE TRANSITION (6.25% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (C) 10:1 CONCRETE FLARE
- (G) 6:1 GRADED FLARE

18+53.07, 30.95' LT. ELEV. = 868.42
18+48.56, 31.53' LT. ELEV. = 868.46
18+48.42, 30.46' LT. ELEV. = 868.48
18+51.39, 25.95' LT. ELEV. = 868.50
18+46.51, 30.44' LT. ELEV. = 868.51
18+46.49, 25.46' LT. ELEV. = 868.55
STREET LIGHT POLE
CONCRETE SIDEWALK 5-INCH
18+46.35, 21.95' LT. ELEV. = 868.75
18+46.38, 20.00' LT. ELEV. = 868.79
INLET COVER (TYP.)
AT&T (FIBER)
18+59.99, 30.37' LT. ELEV. = 868.23
18+58.14, 30.98' LT. ELEV. = 868.19
18+55.24, 25.96' LT. ELEV. = 868.39
18+56.65, 24.57' LT. ELEV. = 868.43
4-INCH CURB HEIGHT
18+51.36, 25.26' LT. ELEV. = 868.51
18+51.29, 23.11' LT. ELEV. = 868.57
18+52.08, 21.28' LT. ELEV. = 868.61
GARRISON STREET
GRASS
EXISTING R/W
EXISTING CONCRETE SIDEWALK TO REMAIN

DETECTABLE WARNING FIELD RADIAL INFORMATION:
BACK OF CURB RADIUS = 13.00'
CURB RAMP LANDING LENGTH 'XR' = 6.05'
RADIAL WARNING FIELD AREA = 12.28 S.F.
RADIAL LONG CHORD DIMENSION = 5.84'

DETECTABLE WARNING FIELD RADIAL INFORMATION:
BACK OF CURB RADIUS = 13.00'
CURB RAMP LANDING LENGTH 'XR' = 3.58'
RADIAL WARNING FIELD AREA = 10.49 S.F.
RADIAL LONG CHORD DIMENSION = 5.17'

18+90.95, 36.89' LT. ELEV. = 867.50
18+90.48, 31.38' LT. ELEV. = 867.57
18+85.80, 31.23' LT. ELEV. = 867.43
18+83.97, 30.56' LT. ELEV. = 867.47
18+88.72, 26.33' LT. ELEV. = 867.63
18+87.30, 24.96' LT. ELEV. = 867.67
18+90.67, 26.41' LT. ELEV. = 867.64
3-INCH CURB HEIGHT
18+95.92, 26.64' LT. ELEV. = 867.58
18+96.48, 22.16' LT. ELEV. = 867.56
18+96.19, 20.18' LT. ELEV. = 867.60
CONCRETE SIDEWALK 5-INCH 5'
(HP)
CAUTION

LINDA L M DYKSTRA
3202 ATWOOD AVE

DETECTABLE WARNING FIELD RADIAL INFORMATION:
BACK OF CURB RADIUS = 14.00'
CURB RAMP LANDING LENGTH 'XR' = 5.67'
RADIAL WARNING FIELD AREA = 11.93 S.F.
RADIAL LONG CHORD DIMENSION = 5.74'

18+95.49, 36.61' LT. ELEV. = 867.62
18+95.30, 31.62' LT. ELEV. = 867.65
19+00.61, 31.87' LT. ELEV. = 867.62
19+05.45, 32.14' LT. ELEV. = 867.66
19+05.74, 26.69' LT. ELEV. = 867.65
19+00.88, 26.42' LT. ELEV. = 867.59
19+01.46, 22.00' LT. ELEV. = 867.47
19+01.46, 20.00' LT. ELEV. = 867.51
CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA (TYP.)
MG&E (GAS)
MG&E (OVERHEAD)
EXISTING CONCRETE SIDEWALK TO REMAIN
EXISTING R/W
GRAVEL
STEP (1)
CONC.

PRC: 17+97.05
PRC: 19+30.30
18+00
19+00

CITY OF MADISON (WATERMAIN)
CITY OF MADISON (SANITARY)
CONCRETE CURB PEDESTRIAN
18+45.11, 0.20' RT. ELEV. = 869.42
18+38.11, 0.13' RT. ELEV. = 869.63
18+50.11, 0.21' RT. ELEV. = 869.28
CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REJECT)
18+55.11, 0.20' RT. ELEV. = 869.14
CONCRETE SIDEWALK 5-INCH
TRAFFIC SIGNAL POLE (TYP.)
CONCRETE SIDEWALK 5-INCH, STAMPING COLORED CONCRETE
18+38.00, 8.13' RT. ELEV. = 869.47
18+55.14, 8.20' RT. ELEV. = 868.98
18+45.10, 8.20' RT. ELEV. = 869.26
18+50.10, 8.21' RT. ELEV. = 869.12
18+49.64, 19.50' RT. ELEV. = 868.90
18+49.56, 21.51' RT. ELEV. = 868.86
18+49.38, 26.69' RT. ELEV. = 869.22
18+50.80, 27.11' RT. ELEV. = 869.19
18+56.04, 27.16' RT. ELEV. = 869.11
18+61.36, 27.19' RT. ELEV. = 868.75
18+62.83, 25.80' RT. ELEV. = 868.79
18+66.25, 34.20' RT. ELEV. = 868.62
18+68.04, 33.20' RT. ELEV. = 868.66
18+60.26, 34.20' RT. ELEV. = 869.02
ATWOOD AVENUE
CONCRETE SIDEWALK 5-INCH
CONCRETE CURB PEDESTRIAN
18+44.55, 19.33' RT. ELEV. = 869.05
18+44.45, 21.34' RT. ELEV. = 869.02
18+44.25, 25.96' RT. ELEV. = 869.29
18+11.80, 22.10' RT. ELEV. = 870.77
18+42.74, 25.79' RT. ELEV. = 869.35
18+42.09, 32.77' RT. ELEV. = 869.38
18+10.81, 29.03' RT. ELEV. = 870.90
CONCRETE SIDEWALK 5-INCH
CONCRETE STEPS
18+51.52, 33.71' RT. ELEV. = 869.20
18+51.01, 38.68' RT. RADIUS PT.
18+55.54, 36.24' RT. ELEV. = 869.10
18+55.78, 36.65' RT. ELEV. = 869.09
AT&T (TELEPHONE)
TLE
WELCH AVENUE
CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA (TYP.)

DETECTABLE WARNING FIELD RADIAL INFORMATION:
BACK OF CURB RADIUS = 19.00'
CURB RAMP LANDING LENGTH 'XR' = 7.72'
RADIAL WARNING FIELD AREA = 17.37 S.F.
RADIAL LONG CHORD DIMENSION = 8.46'

19+07.14, 0.00' RT. ELEV. = 868.01
19+02.00, 0.00' . ELEV. = 868.10
18+99.95, 0.00' . ELEV. = 868.13
CONCRETE SIDEWALK 5-INCH
CONCRETE SIDEWALK 5-INCH, STAMPING COLORED CONCRETE
19+13.92, 0.00' . ELEV. = 867.90
CONCRETE GUTTER 24-INCH TYPE D SPECIAL (SLOPE VARIES)
19+01.42, 6.27' RT. ELEV. = 867.98
CONCRETE GUTTER 24-INCH TYPE D SPECIAL
19+16.58, 2.54' RT. ELEV. = 867.81
19+11.05, 17.71' RT. ELEV. = 867.59
19+14.15, 5.29' RT. ELEV. = 867.79
19+08.53, 5.74' RT. ELEV. = 867.87
19+11.93, 19.52' RT. ELEV. = 867.53
19+07.47, 22.67' RT. ELEV. = 867.61
19+03.45, 6.12' RT. ELEV. = 867.95
19+20.46, 17.80' RT. ELEV. = 867.92
19+05.98, 21.30' RT. ELEV. = 867.68
19+08.37, 26.36' RT. ELEV. = 867.67
19+04.72, 26.50' RT. ELEV. = 867.68
2-INCH CURB HEIGHT
19+02.88, 25.62' RT. ELEV. = 867.74
19+03.14, 33.46' RT. ELEV. = 867.79
19+01.07, 33.54' RT. ELEV. = 867.85
19+07.89, 33.26' RT. ELEV. = 867.74
19+09.77, 39.03' RT. ELEV. = 867.98
CONCRETE SIDEWALK 5-INCH
CITY OF MADISON (FIBER)
VARIES
19+19.03, 25.79' RT. ELEV. = 867.93
19+21.19, 25.64' RT. ELEV. = 868.05
19+14.15, 28.33' RT. ELEV. = 867.62
19+19.48, 32.28' RT. RADIUS PT.
19+12.79, 32.86' RT. ELEV. = 867.67
19+13.71, 35.61' RT. ELEV. = 867.83
19+16.73, 50.25' RT. ELEV. = 868.50
19+21.24, 47.67' RT. ELEV. = 868.62
FRANCISCO XAVIER SUAREZ
405 WELCH AVE

NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL LANDINGS SHALL BE 5'X5' MINIMUM IN AREA. CROSS SLOPE SHALL BE 1.5% IN ALL DIRECTIONS.
3. SLOPE PERCENTS SHOWN ARE FOR GENERAL GUIDANCE OF THE CONTRACTOR AND TO ALLOW FOR ADJUSTMENT IN THE FIELD WITHIN THE 8.33% MAXIMUM.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CURB RAMP DETAILS: ATWOOD AVENUE & GARRISON STREET/WELCH AVENUE	SHEET 72	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021302-cr
PLOT DATE : 9/12/2022 5:15 PM
PLOT BY : JAMES DES JARLAIS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

ATWOOD AVENUE

21+00

CITY OF MADISON (SANITARY)

CITY OF MADISON (WATERMAIN)

MG&E (OVERHEAD)

21+02.09, 18.27' RT.
ELEV. = 865.43

21+00.47, 18.27' RT.
ELEV. = 865.46

21+06.56, 18.27' RT.
ELEV. = 865.09

21+08.05, 16.93' RT.
ELEV. = 865.12

21+39.68, 18.27' RT.
ELEV. = 864.70

21+38.16, 16.98' RT.
ELEV. = 864.74

21+40.22, 25.24' RT.
ELEV. = 865.01

21+43.09, 18.28' RT.
ELEV. = 864.90

21+47.81, 18.38' RT.
ELEV. = 864.83

20+71.42, 16.00' RT.
ELEV. = 865.80

20+92.55, 16.00' RT.
ELEV. = 865.55

20+71.42, 23.00' RT.
ELEV. = 865.91

CONCRETE SIDEWALK 5-INCH

CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA (TYP.)

21+36.35, 25.27' RT.
ELEV. = 864.88

21+34.39, 24.91' RT.
ELEV. = 864.91

CONCRETE SIDEWALK 5-INCH

21+57.05, 16.00' RT.
ELEV. = 864.55

21+57.05, 23.00' RT.
ELEV. = 864.66

21+52.93, 23.00' RT.
ELEV. = 864.80

21+49.57, 23.55' RT.
ELEV. = 864.91

AT&T (FIBER)

CITY OF MADISON (FIBER)

GRASS

STEPS

EXISTING R/W

STONE RETAINING WALL

STEPS (4)

20+95.17, 23.00' RT.
ELEV. = 865.58

20+98.16, 23.62' RT.
ELEV. = 865.54

21+12.20, 24.81' RT.
ELEV. = 865.29

21+10.25, 25.27' RT.
ELEV. = 865.27

21+06.37, 25.26' RT.
ELEV. = 865.53

INLET COVER (TYP.)

DETECTABLE WARNING FIELD RADIAL INFORMATION:
BACK OF CURB RADIUS = 16.00'
CURB RAMP LANDING LENGTH 'XR' = 6.57'
RADIAL WARNING FIELD AREA = 16.40 S.F.
RADIAL LONG CHORD DIMENSION = 7.91'

20+92.44, 31.36' RT.
RADIUS PT.

20+95.17, 30.50' RT.
RADIUS PT.

21+01.97, 27.34' RT.
ELEV. = 865.61

21+02.56, 31.79' RT.
ELEV. = 866.13

21+07.33, 33.57' RT.
ELEV. = 866.31

20+99.27, 50.68' RT.
ELEV. = 868.31
(MATCH EXISTING)

21+04.13, 51.96' RT.
ELEV. = 868.04
(MATCH EXISTING)

21+34.59, 47.51' RT.
ELEV. = 867.43
(MATCH EXISTING)

21+39.50, 48.47' RT.
ELEV. = 867.68
(MATCH EXISTING)

21+57.05, 36.00' RT.
RADIUS PT.

21+46.21, 25.43' RT.
???

21+52.93, 33.50' RT.
RADIUS PT.

21+42.61, 31.60' RT.
ELEV. = 865.74

21+37.38, 32.38' RT.
ELEV. = 865.82

DETECTABLE WARNING FIELD RADIAL INFORMATION:
BACK OF CURB RADIUS = 15.00'
CURB RAMP LANDING LENGTH 'XR' = 6.12'
RADIAL WARNING FIELD AREA = 16.05 S.F.
RADIAL LONG CHORD DIMENSION = 7.76'

TAVISH PEGRAM
3225/3227 ATWOOD AVENUE

CENTER AVENUE

MG&E (GAS)

EXISTING CONCRETE SIDEWALK TO REMAIN

CONC.

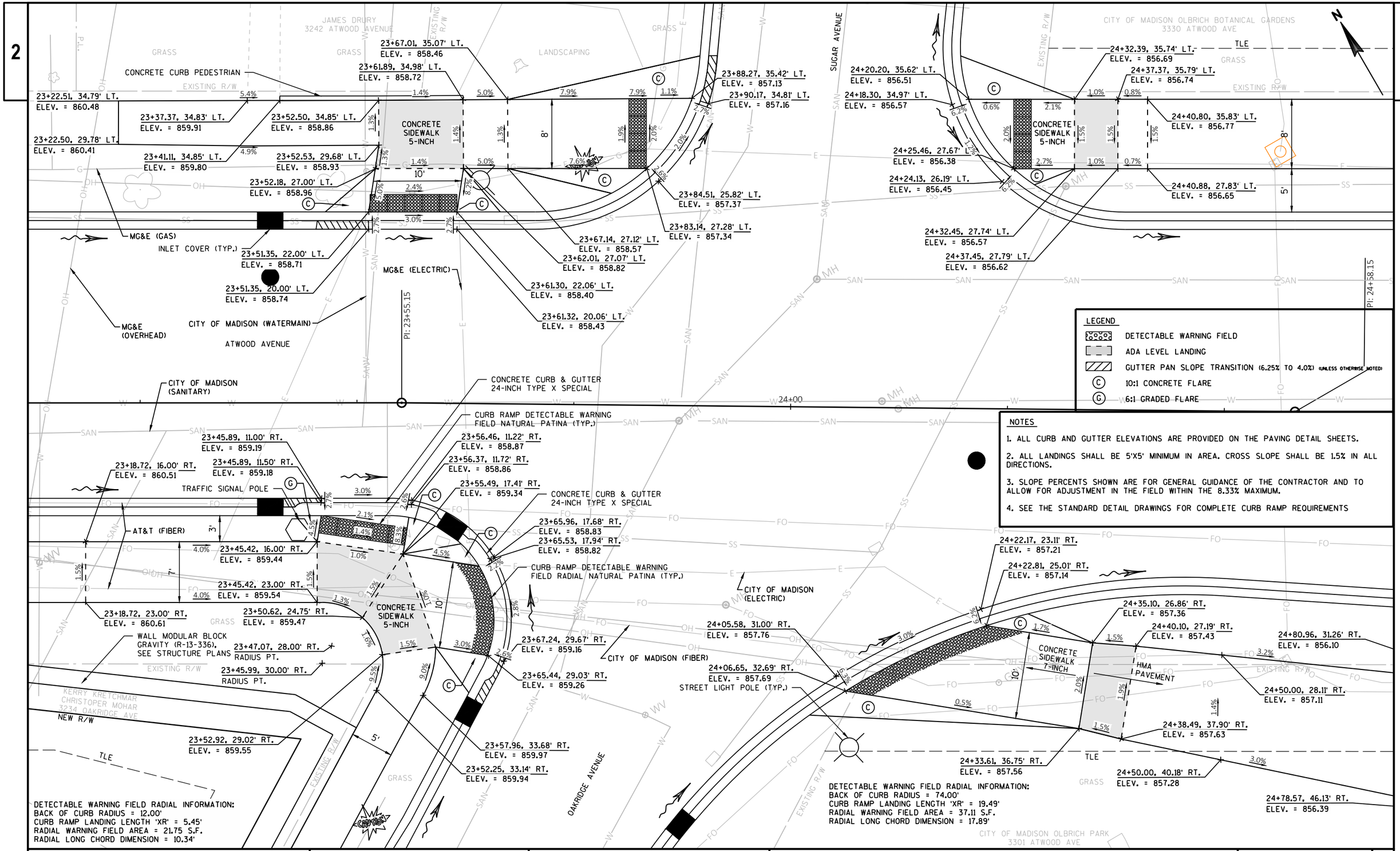
LEGEND

- DETECTABLE WARNING FIELD
- ADA LEVEL LANDING
- GUTTER PAN SLOPE TRANSITION (6.25% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (C) 10:1 CONCRETE FLARE
- (G) 6:1 GRADED FLARE

NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL LANDINGS SHALL BE 5'X5' MINIMUM IN AREA. CROSS SLOPE SHALL BE 1.5% IN ALL DIRECTIONS.
3. SLOPE PERCENTS SHOWN ARE FOR GENERAL GUIDANCE OF THE CONTRACTOR AND TO ALLOW FOR ADJUSTMENT IN THE FIELD WITHIN THE 8.33% MAXIMUM.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CURB RAMP DETAILS: ATWOOD AVENUE & CENTER AVENUE	SHEET 73	E



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CURB RAMP DETAILS: ATWOOD AVENUE & SUGAR AVENUE/OAKRIDGE AVENUE	SHEET 74	E

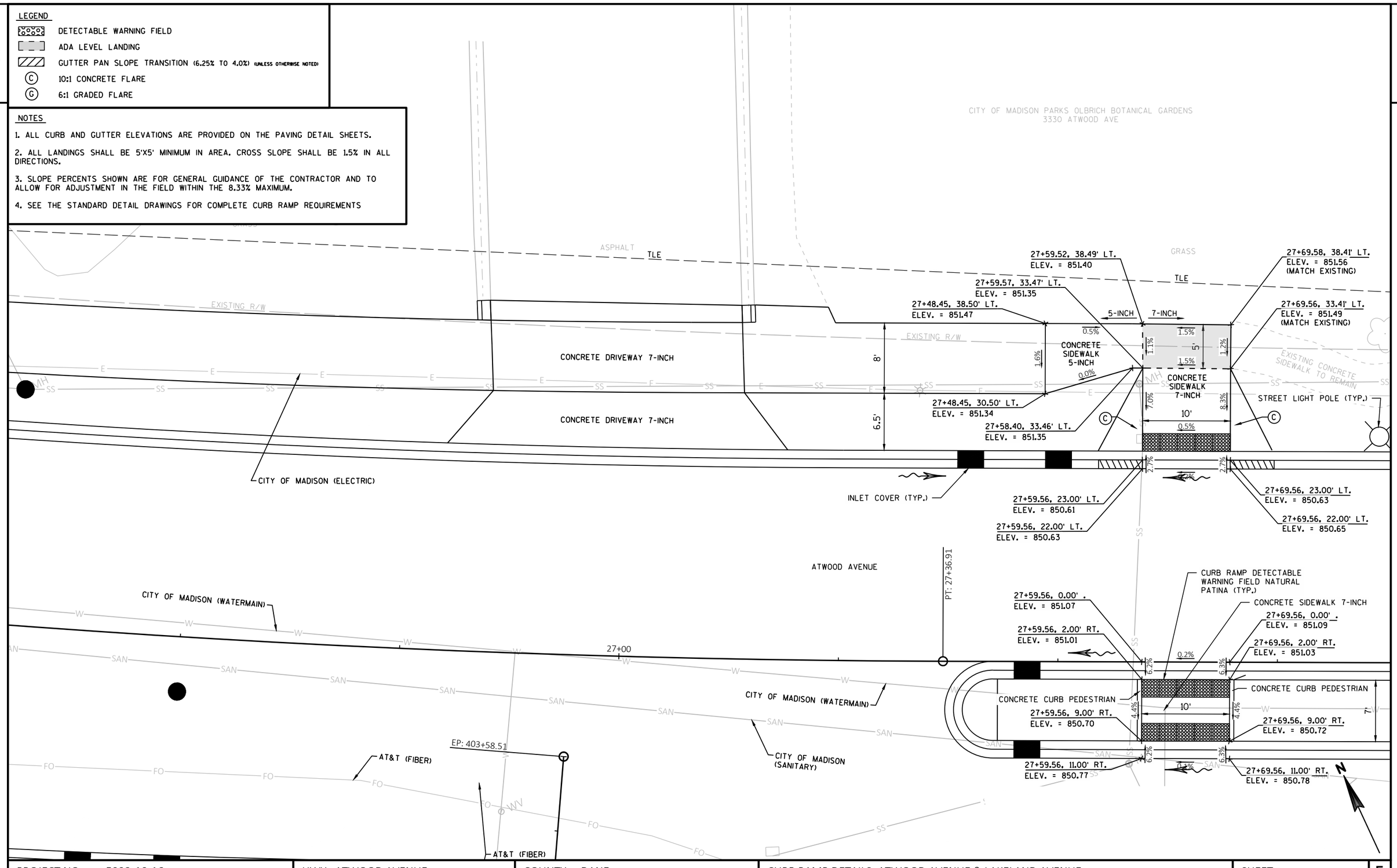
2

LEGEND

- DETECTABLE WARNING FIELD
- ADA LEVEL LANDING
- GUTTER PAN SLOPE TRANSITION (6.25% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (C) 10:1 CONCRETE FLARE
- (G) 6:1 GRADED FLARE

NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL LANDINGS SHALL BE 5'X5' MINIMUM IN AREA. CROSS SLOPE SHALL BE 1.5% IN ALL DIRECTIONS.
3. SLOPE PERCENTS SHOWN ARE FOR GENERAL GUIDANCE OF THE CONTRACTOR AND TO ALLOW FOR ADJUSTMENT IN THE FIELD WITHIN THE 8.33% MAXIMUM.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CURB RAMP DETAILS: ATWOOD AVENUE & LAKELAND AVENUE	SHEET 75	E

2

2

N

WELCH AVENUE

CITY OF MADISON (ELECTRIC)

AT&T (FIBER)

MG&E (GAS)

INLET COVER (TYP.)

97+42.52, 0.01' RT.
ELEV. = 871.77

97+35.97, 1.96' LT.
ELEV. = 871.85

97+37.52, 0.00' LT.
ELEV. = 871.73

BP: 97+07.44

MG&E (OVERHEAD)

CITY OF MADISON (WATERMAIN)

97+18.59, 7.64' RT.
ELEV. = 871.76

97+19.41, 10.00' RT.
ELEV. = 871.64

CONCRETE SIDEWALK
7-INCH

HMA PAVEMENT

10'

LAKELAND AVENUE
MULTI-USE PATH

97+42.52, 10.00' RT.
ELEV. = 871.62

97+37.51, 10.00' RT.
ELEV. = 871.57

CURB RAMP DETECTABLE WARNING
FIELD RADIAL NATURAL PATINA

PC: 97+82.20

PT: 97+94.51

98+00

PC: 98+14.67

CITY OF MADISON
(SANITARY)

6.3%
1.0%
1.5%
0.3%

DETECTABLE WARNING FIELD RADIAL INFORMATION:
BACK OF CURB RADIUS = 62.23'
CURB RAMP LANDING LENGTH 'XR' = 21.24'
RADIAL WARNING FIELD AREA = 64.42 S.F.
RADIAL LONG CHORD DIMENSION = 20.69'

LEGEND

- DETECTABLE WARNING FIELD
- ADA LEVEL LANDING
- GUTTER PAN SLOPE TRANSITION (6.25% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (C) 10:1 CONCRETE FLARE
- (G) 6:1 GRADED FLARE

NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL LANDINGS SHALL BE 5'X5' MINIMUM IN AREA. CROSS SLOPE SHALL BE 1.5% IN ALL DIRECTIONS.
3. SLOPE PERCENTS SHOWN ARE FOR GENERAL GUIDANCE OF THE CONTRACTOR AND TO ALLOW FOR ADJUSTMENT IN THE FIELD WITHIN THE 8.33% MAXIMUM.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CURB RAMP DETAILS: LAKELAND AVENUE & WELCH AVENUE	SHEET 76	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021306-cr
PLOT DATE : 9/12/2022 5:15 PM
PLOT BY : JAMES DES JARLAIS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

401+00

402+00

PT: 402+10.62

SAN

CITY OF MADISON
(SANITARY)

LAKELAND AVENUE
PARKING LOT

CURB RAMP DETECTABLE WARNING
FIELD NATURAL PATINA

HMA PAVEMENT

105+29.63, 24.99' LT.
ELEV. = 851.40

105+28.63, 22.87' LT.
ELEV. = 851.28

105+34.93, 20.98' LT.
ELEV. = 851.43

105+34.00, 18.77' LT.
ELEV. = 851.31

6.2%

6.3%

0.4%

105+25.79, 17.45' LT.
ELEV. = 851.59

4.7%

105+31.36, 13.16' LT.
ELEV. = 851.62

105+29.38, 8.70' LT.
ELEV. = 851.69

105+22.93, 11.88' LT.
ELEV. = 851.68

8'

1.5%

R20'

105+18.43, 14.67' LT.
ELEV. = 851.74

1.0%

0.1%

105+28.62, 6.01' LT.
ELEV. = 851.68

0.5%

CONCRETE SIDEWALK 5-INCH

1.3%

R5'

CONCRETE
SIDEWALK
7-INCH

105+20.54, 3.81' LT.
ELEV. = 851.57

1.1%

105+15.05, 5.12' LT.
ELEV. = 851.63

1.4%

0.8%

0.6%

105+33.18, 0.00' .
ELEV. = 851.63

105+15.96, 0.00' .
ELEV. = 851.49

HMA PAVEMENT

10'

105+33.18, 10.00' RT.
ELEV. = 851.48

105+15.96, 10.00' RT.
ELEV. = 851.34

LAKELAND AVENUE
MULTI-USE PATH

PT: 105+72.40

105+00

PC: 104+87.18

LEGEND

- DETECTABLE WARNING FIELD
- ADA LEVEL LANDING
- GUTTER PAN SLOPE TRANSITION (6.25% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (C) 10:1 CONCRETE FLARE
- (G) 6:1 GRADED FLARE

NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.

2. ALL LANDINGS SHALL BE 5'X5' MINIMUM IN AREA. CROSS SLOPE SHALL BE 1.5% IN ALL DIRECTIONS.

3. SLOPE PERCENTS SHOWN ARE FOR GENERAL GUIDANCE OF THE CONTRACTOR AND TO ALLOW FOR ADJUSTMENT IN THE FIELD WITHIN THE 8.33% MAXIMUM.

4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

N

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CURB RAMP DETAILS: LAKELAND AVENUE PARKING LOT	SHEET 77	E

2

PT: 27+36.91

CONCRETE SIDEWALK 7-INCH

ATWOOD AVENUE

27+59.56, 0.00' .
ELEV. = 851.07

27+59.56, 2.00' RT.
ELEV. = 851.01

27+69.56, 0.00' .
ELEV. = 851.09

27+69.56, 2.00' RT.
ELEV. = 851.03

27+00

28+00

CONCRETE CURB PEDESTRIAN

CONCRETE CURB PEDESTRIAN

27+59.56, 9.00' RT.
ELEV. = 850.70

27+69.56, 9.00' RT.
ELEV. = 850.72

10'

7'

6.2%

6.3%

4.4%

4.4%

CITY OF MADISON (WATERMAIN)

CITY OF MADISON (SANITARY)

EP: 403+58.51

AT&T (FIBER)

27+59.56, 11.00' RT.
ELEV. = 850.77

27+69.56, 11.00' RT.
ELEV. = 850.78

0.1%

27+59.56, 23.00' RT.
ELEV. = 850.53

27+69.56, 23.00' RT.
ELEV. = 850.54

27+59.56, 25.00' RT.
ELEV. = 850.47

27+69.56, 25.00' RT.
ELEV. = 850.48

INLET COVER (TYP.)

AT&T (FIBER)

27+15.00, 33.23' RT.
ELEV. = 851.42

CITY OF MADISON (FIBER)

EXISTING R/W

CONCRETE DRIVEWAY 7-INCH

HMA PAVEMENT

AT&T (TELEPHONE)

0.3%

1.4%

27+20.04, 33.10' RT.
ELEV. = 851.40

27+59.64, 33.00' RT.
ELEV. = 850.85

27+69.64, 33.00' RT.
ELEV. = 850.86

CONCRETE SIDEWALK 7-INCH

4.8%

4.8%

10'

0.1%

8'

27+97.11, 33.00' RT.
ELEV. = 851.49

PT: 107+37.91

2.3%

1.5%

1.5%

1.5%

1.5%

15'

27+20.04, 48.10' RT.
ELEV. = 851.63

27+26.14, 48.04' RT.
ELEV. = 851.61

27+69.64, 48.00' RT.
ELEV. = 851.08

PT: 403+23.31

PC: 106+90.68

0.3%

0.2%

1.6%

0.1%

27+59.39, 48.00' RT.
ELEV. = 851.07

27+97.12, 48.00' RT.
ELEV. = 851.71

27+15.00, 48.17' RT.
ELEV. = 851.64

27+37.12, 56.04' RT.
ELEV. = 851.63
(MID PT.)

27+77.29, 51.37' RT.
ELEV. = 851.29
(MID PT.)

1.5%

1.5%

0.8%

LAKELAND AVENUE PARKING LOT

CONTROL CABINET

STREET LIGHT POLE (TYP.)

27+26.22, 60.04' RT.
RADIUS PT.

1.4%

CITY OF MADISON (SANITARY)

GRASS

LAKELAND AVENUE MULTI-USE PATH

27+59.69, 61.09' RT.
ELEV. = 851.35

GRASS

27+33.44, 69.38' RT.
ELEV. = 851.65

1.7%

CITY OF MADISON OLBRICH PARK
3301 ATWOOD AVE

10'

27+39.52, 77.20' RT.
ELEV. = 851.80

N

LEGEND

- DETECTABLE WARNING FIELD
- ADA LEVEL LAN
- GUTTER PAN SLOPE TRANSITION (6.25% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (C) 10:1 CONCRETE FLARE
- (G) 6:1 GRADED FLARE

NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL LANDINGS SHALL BE 5'X5' MINIMUM IN AREA. CROSS SLOPE SHALL BE 1.5% IN ALL DIRECTIONS.
3. SLOPE PERCENTS SHOWN ARE FOR GENERAL GUIDANCE OF THE CONTRACTOR AND TO ALLOW FOR ADJUSTMENT IN THE FIELD WITHIN THE 8.33% MAXIMUM.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CURB RAMP DETAILS: ATWOOD AVENUE & LAKELAND AVENUE	SHEET 78	E

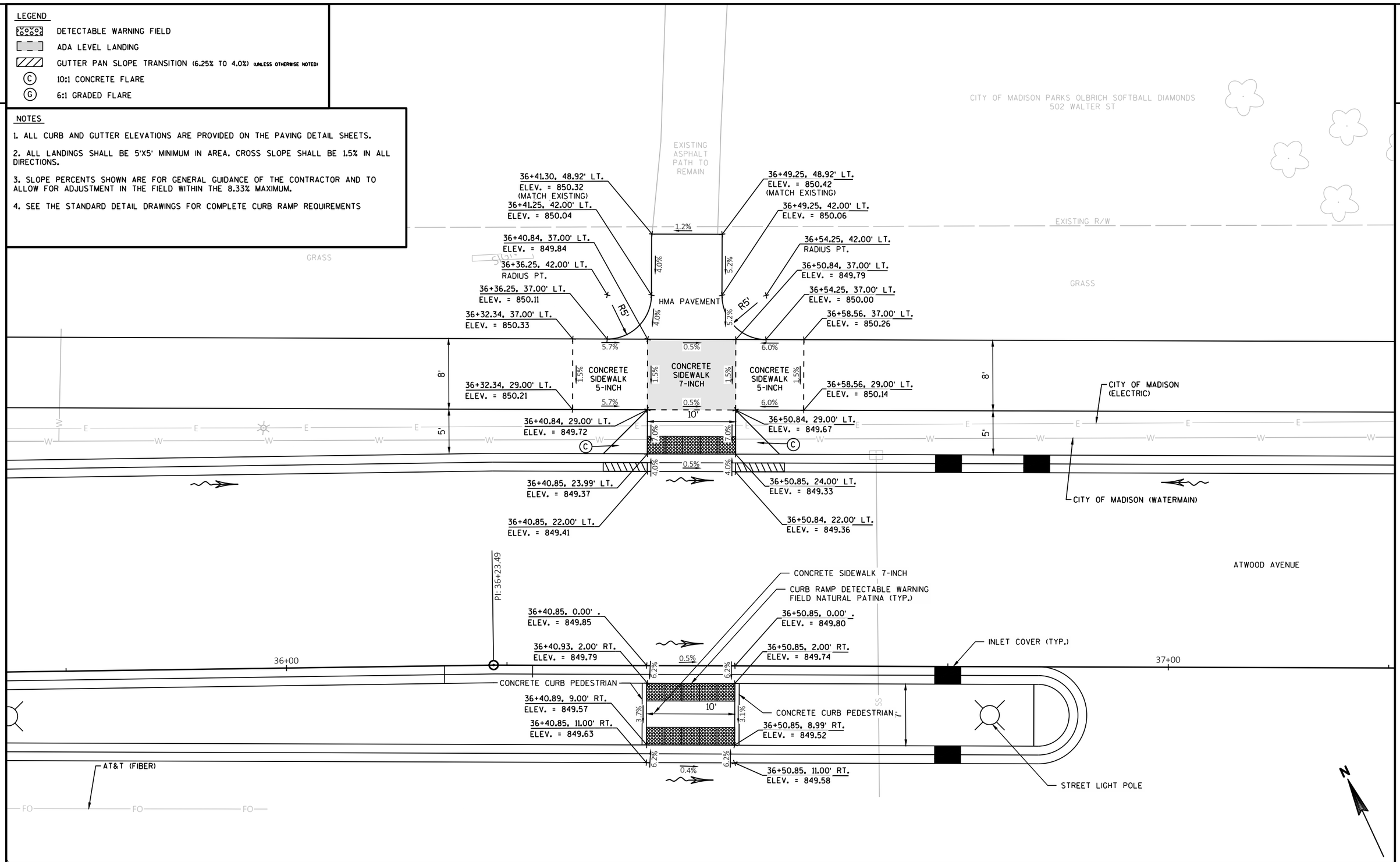
2

LEGEND

- DETECTABLE WARNING FIELD
- ADA LEVEL LANDING
- GUTTER PAN SLOPE TRANSITION (6.25% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (C) 10:1 CONCRETE FLARE
- (G) 6:1 GRADED FLARE

NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL LANDINGS SHALL BE 5'X5' MINIMUM IN AREA. CROSS SLOPE SHALL BE 1.5% IN ALL DIRECTIONS.
3. SLOPE PERCENTS SHOWN ARE FOR GENERAL GUIDANCE OF THE CONTRACTOR AND TO ALLOW FOR ADJUSTMENT IN THE FIELD WITHIN THE 8.33% MAXIMUM.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CURB RAMP DETAILS: ATWOOD AVENUE & BOAT LAUNCH ENTRANCE	SHEET 79	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021309-cr
PLOT DATE : 9/12/2022 5:16 PM
PLOT BY : JAMES DES JARLAIS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

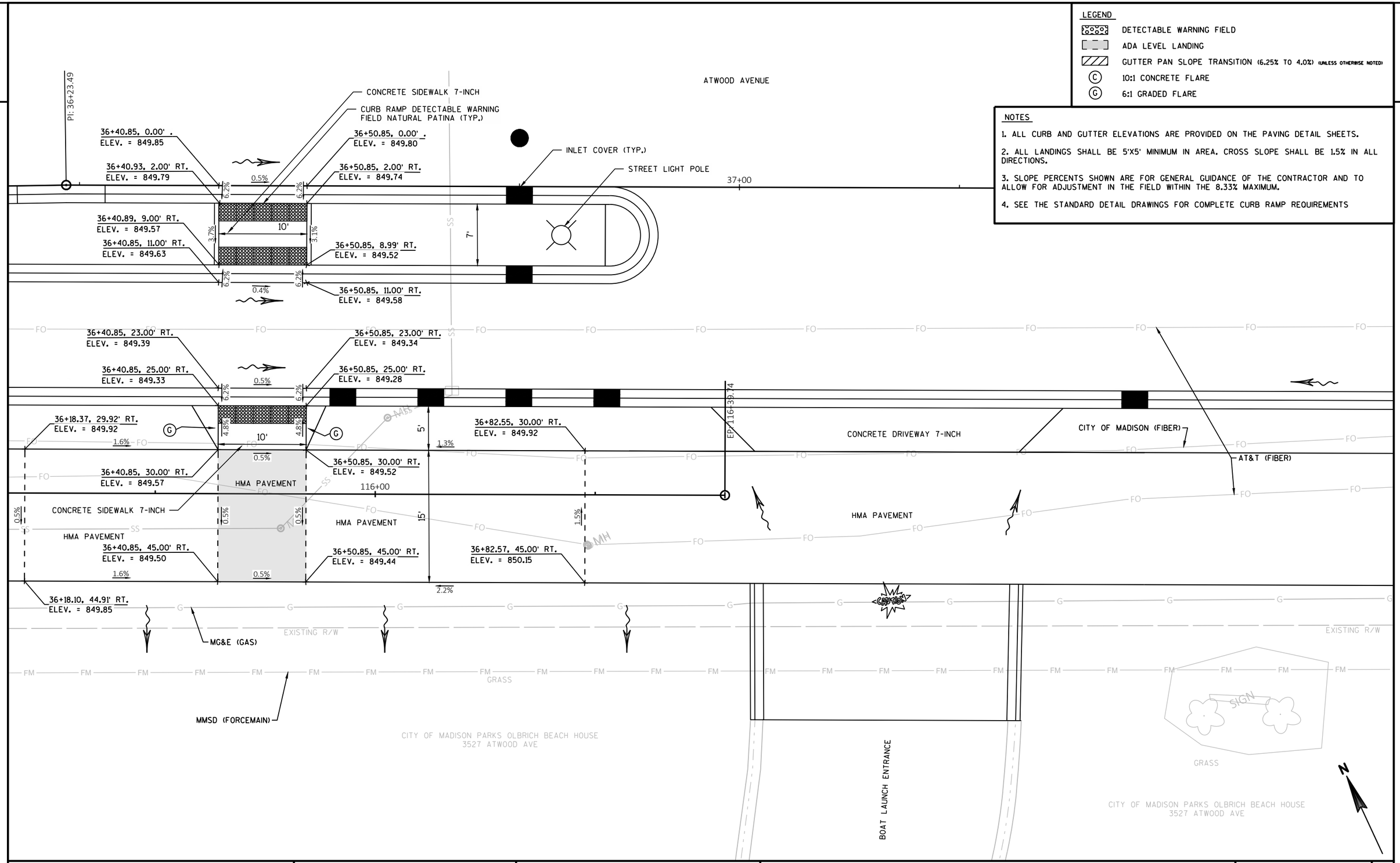
2

LEGEND

- DETECTABLE WARNING FIELD
- ADA LEVEL LANDING
- GUTTER PAN SLOPE TRANSITION (6.25% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (C) 10:1 CONCRETE FLARE
- (G) 6:1 GRADED FLARE

NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL LANDINGS SHALL BE 5'X5' MINIMUM IN AREA. CROSS SLOPE SHALL BE 1.5% IN ALL DIRECTIONS.
3. SLOPE PERCENTS SHOWN ARE FOR GENERAL GUIDANCE OF THE CONTRACTOR AND TO ALLOW FOR ADJUSTMENT IN THE FIELD WITHIN THE 8.33% MAXIMUM.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CURB RAMP DETAILS: ATWOOD AVENUE & BOAT LAUNCH ENTRANCE	SHEET 80	E

2

2

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

45+11.23, 99.44' LT.

4.8%
10'
2.5%

45+55.21, 64.32' LT.
ELEV. = 852.18

HMA PAVEMENT

1.5%

GRASS

STREET LIGHT POLE (TYP.)

45+62.77, 58.32' LT.
ELEV. = 852.03

45+61.70, 52.18' LT.
ELEV. = 851.90
(MID PT.)

TRAFFIC SIGNAL POLE (TYP.)

R5'

2.1%

45+67.04, 49.45' LT.
ELEV. = 851.76

45+32.63, 45.05' LT.
ELEV. = 852.69

CONCRETE SIDEWALK 7-INCH

1.5%

EXISTING R/W

45+50.53, 46.24' LT.
ELEV. = 852.28

CONCRETE SIDEWALK 7-INCH

2.0%

2.0%

10'

CONCRETE SIDEWALK 7-INCH

6.3%

45+35.74, 37.60' LT.
ELEV. = 852.57

5-INCH

7-INCH

45+48.39, 40.00' LT.
ELEV. = 852.30

2.0%

1.5%

10'

CONCRETE SIDEWALK 7-INCH

5.4%

45+41.94, 39.52' LT.
ELEV. = 852.43
(MID PT.)

R30'

45+57.23, 39.69' LT.
ELEV. = 852.11

CONCRETE SIDEWALK 5-INCH

1.7%

1.8%

1.0%

1.3%

4.0%

45+57.06, 27.49' LT.
ELEV. = 851.64

45+57.54, 25.55' LT.
ELEV. = 851.68

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA (TYP.)

MG&E (GAS)

WALTER STREET

DETECTABLE WARNING FIELD RADIAL INFORMATION:
BACK OF CURB RADIUS = 44.00'
CURB RAMP LANDING LENGTH 'XR' = 9.86'
RADIAL WARNING FIELD AREA = 24.90 S.F.
RADIAL LONG CHORD DIMENSION = 12.25'

45+83.54, 49.26' LT.
ELEV. = 851.16

3.5%

4.0%

45+85.24, 48.34' LT.
ELEV. = 851.20

CAUTION

CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA

MMSD (FORCEMAIN)

45+78.09, 37.91' LT.
ELEV. = 851.36

45+76.70, 39.30' LT.
ELEV. = 851.32

5.9%

45+66.86, 39.45' LT.
ELEV. = 851.96

45+66.83, 31.45' LT.
ELEV. = 851.49

45+67.77, 29.70' LT.
ELEV. = 851.53

CITY OF MADISON (ELECTRIC)

CITY OF MADISON (SANITARY)

AT&T (FIBER)

CITY OF MADISON (WATERMAIN)

EXISTING R/W

OLBRICH BY THE LAKE ASSOC LLC
3528 ATWOOD AVE

46+38.69, 69.86' LT.
ELEV. = 851.56

5'

46+34.17, 68.52' LT.
ELEV. = 851.49

R5'

46+43.29, 70.86' LT.

46+42.15, 59.84' LT.
ELEV. = 851.46

46+44.64, 64.09' LT.
ELEV. = 851.53

R10'

1.5%

GRASS

46+39.65, 55.59' LT.
RADIUS PT.

3.8%

R5'

3.9%

TRAFFIC SIGNAL POLE (TYP.)

46+32.51, 50.24' LT.
ELEV. = 850.87

1.5%

1.5%

46+30.80, 49.35' LT.
ELEV. = 850.91

4.0%

46+38.24, 50.50' LT.
ELEV. = 850.96

0.9%

0.2%

0.0%

10'

46+40.15, 50.60' LT.
ELEV. = 850.99

4.0%

0.8%

0.8%

46+37.24, 39.21' LT.
ELEV. = 851.01

46+36.70, 40.51' LT.
ELEV. = 850.97

46+40.63, 40.57' LT.
ELEV. = 850.99

46+49.36, 40.66' LT.
ELEV. = 851.07
(MID PT.)

CONCRETE SIDEWALK 5-INCH

46+44.25, 54.34' LT.
ELEV. = 851.22
(MID PT.)

5-INCH

46+71.96, 49.29' LT.
ELEV. = 851.37

0.7%

46+72.34, 39.26' LT.
ELEV. = 851.22

1.2%

46+53.47, 50.58' LT.
ELEV. = 851.20

46+67.05, 49.82' LT.
ELEV. = 851.34

CONCRETE SIDEWALK 7-INCH

EXISTING R/W

HMA PAVEMENT

46+60.01, 40.30' LT.
ELEV. = 851.16

R3'

0.5%

0.8%

1.5%

10'

46+59.85, 37.30' LT.

CONCRETE SIDEWALK 7-INCH

46+62.75, 37.38' LT.
ELEV. = 851.30

0.8%

0.3%

10'

0.3%

0.4%

4.0%

4.0%

0.5%

46+63.06, 25.24' LT.
ELEV. = 851.20

46+62.61, 23.29' LT.
ELEV. = 851.24

46+72.87, 24.00' LT.
ELEV. = 851.16

CAUTION

46+72.84, 22.00' LT.
ELEV. = 851.20

ATWOOD AVENUE

CITY OF MADISON (FIBER)

46+74.24, 11.00' RT.

45+47.28, 10.02' LT.

CONCRETE SIDEWALK 7-INCH

CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REJECT)

45+56.69, 0.00' .
ELEV. = 851.98

45+66.69, 0.00' .
ELEV. = 851.93

45+56.66, 2.00' RT.
ELEV. = 852.00

45+66.68, 1.00' RT.
ELEV. = 851.95

0.5%

2.0%

2.0%

46+00

CONCRETE SIDEWALK 5-INCH, STAMPING COLORED CONCRETE

4'

45+56.68, 5.92' RT.
ELEV. = 851.85

2.5%

10'

0.6%

2.6%

CONCRETE SIDEWALK 5-INCH, STAMPING COLORED CONCRETE

1.9%

2.0%

45+66.66, 6.05' RT.
ELEV. = 851.81

45+56.57, 8.00' RT.
ELEV. = 851.83

45+66.65, 8.00' RT.
ELEV. = 851.77

AT&T (TELEPHONE)

LEGEND

- DETECTABLE WARNING FIELD
- ADA LEVEL LANDING
- GUTTER PAN SLOPE TRANSITION (6.25% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (C) 10:1 CONCRETE FLARE
- (G) 6:1 GRADED FLARE

NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL LANDINGS SHALL BE 5'X5' MINIMUM IN AREA. CROSS SLOPE SHALL BE 1.5% IN ALL DIRECTIONS.
3. SLOPE PERCENTS SHOWN ARE FOR GENERAL GUIDANCE OF THE CONTRACTOR AND TO ALLOW FOR ADJUSTMENT IN THE FIELD WITHIN THE 8.33% MAXIMUM.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CURB RAMP DETAILS: ATWOOD AVENUE & WALTER STREET	SHEET 81	E

2

LEGEND

- DETECTABLE WARNING FIELD
- ADA LEVEL LANDING
- GUTTER PAN SLOPE TRANSITION (6.25% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (C) 10:1 CONCRETE FLARE
- (G) 6:1 GRADED FLARE

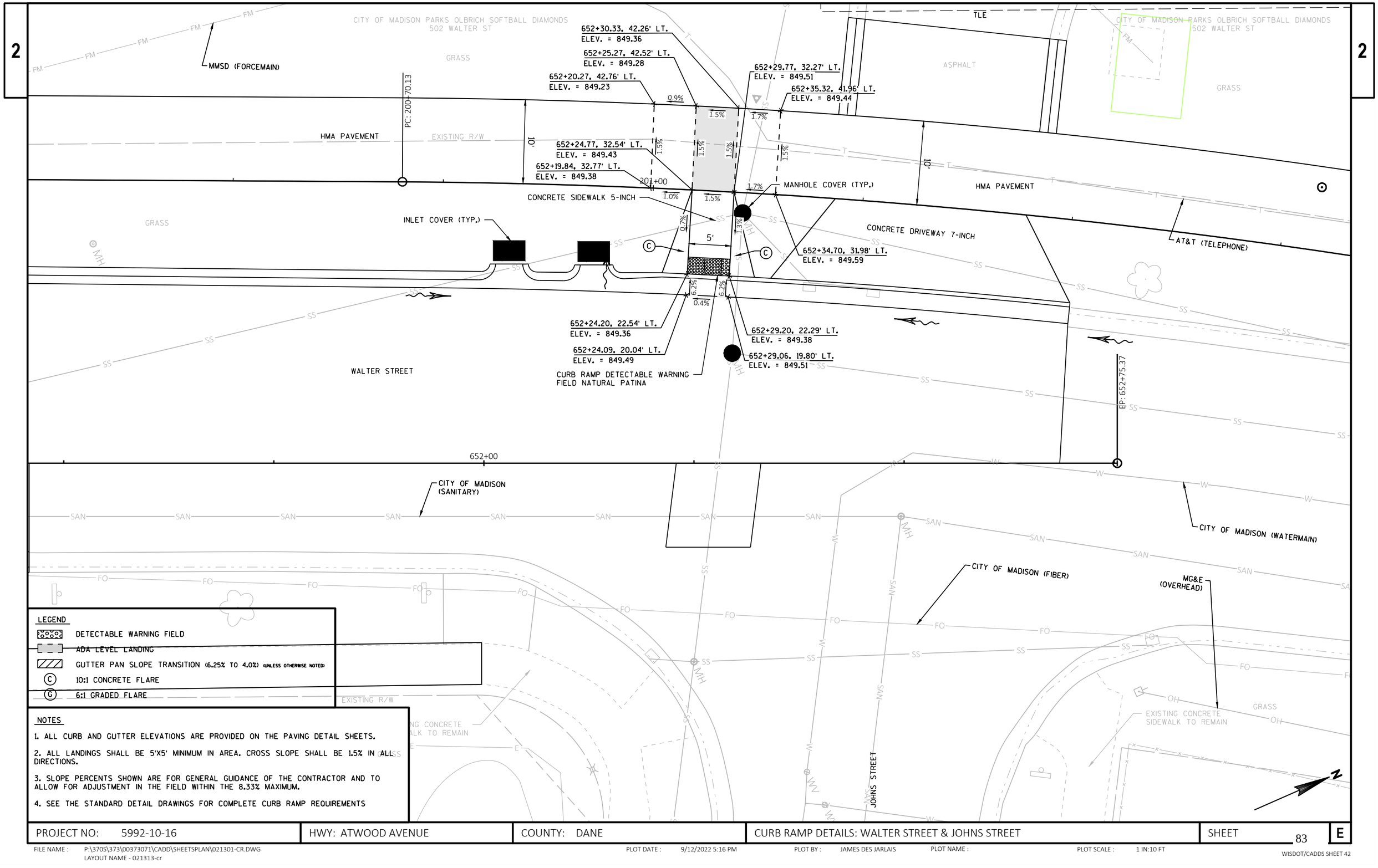
NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL LANDINGS SHALL BE 5'X5' MINIMUM IN AREA. CROSS SLOPE SHALL BE 1.5% IN ALL DIRECTIONS.
3. SLOPE PERCENTS SHOWN ARE FOR GENERAL GUIDANCE OF THE CONTRACTOR AND TO ALLOW FOR ADJUSTMENT IN THE FIELD WITHIN THE 8.33% MAXIMUM.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

CONCRETE SIDEWALK 7-INCH
CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REJECT)
45+56.69, 0.00' . ELEV. = 851.98
45+56.66, 2.00' RT. ELEV. = 852.00
45+66.69, 0.00' . ELEV. = 851.93
45+66.68, 1.00' RT. ELEV. = 851.95
CONCRETE CURB PEDESTRIAN
CONCRETE SIDEWALK 5-INCH, STAMPING COLORED CONCRETE
45+56.68, 5.92' RT. ELEV. = 851.85
45+66.66, 6.05' RT. ELEV. = 851.81
45+56.57, 8.00' RT. ELEV. = 851.83
45+66.65, 8.00' RT. ELEV. = 851.77
ATWOOD AVENUE
CITY OF MADISON (ELECTRIC)
AT&T (TELEPHONE)
AT&T (FIBER)
MMSD (FORCEMAIN)
CITY OF MADISON (FIBER)
46+00
45+56.23, 31.00' RT. ELEV. = 851.37
45+56.22, 33.00' RT. ELEV. = 851.31
45+66.54, 31.00' RT. ELEV. = 851.31
45+66.54, 33.00' RT. ELEV. = 851.25
EXISTING R/W
45+41.44, 44.45' RT. ELEV. = 852.34
45+56.01, 45.14' RT. ELEV. = 851.88
TRAFFIC SIGNAL POLE (TYP.)
45+84.60, 46.51' RT. ELEV. = 852.20
CONCRETE SIDEWALK 7-INCH
CONCRETE DRIVEWAY 7-INCH
PLE
45+66.47, 45.64' RT. ELEV. = 851.85
HMA PAVEMENT
45+40.65, 59.43' RT. ELEV. = 852.57
45+55.78, 60.15' RT. ELEV. = 852.11
45+66.39, 60.66' RT. ELEV. = 852.07
45+83.81, 61.49' RT. ELEV. = 852.42
GRASS
TLE
CITY OF MADISON PARKS OLBRICH BEACH HOUSE 3527 ATWOOD AVE
INLET COVER (TYP.)
CITY OF MADISON (SANITARY)
46+74.24, 11.00' RT. ELEV. = 851.16
46+64.17, 11.00' RT. ELEV. = 851.21
46+74.36, 13.00' RT. ELEV. = 851.10
46+64.35, 13.00' RT. ELEV. = 851.16
CONCRETE CURB PEDESTRIAN
CONCRETE SIDEWALK 7-INCH
CONCRETE SIDEWALK 5-INCH, STAMPING COLORED CONCRETE
46+64.38, 17.00' RT. ELEV. = 851.01
46+74.52, 16.94' RT. ELEV. = 850.96
46+64.41, 19.00' RT. ELEV. = 851.07
46+74.60, 18.94' RT. ELEV. = 851.02
46+64.83, 31.00' RT. ELEV. = 850.83
46+75.14, 30.93' RT. ELEV. = 850.78
46+64.86, 33.00' RT. ELEV. = 850.77
46+75.21, 32.93' RT. ELEV. = 850.71
46+47.59, 48.89' RT. ELEV. = 851.68
46+75.81, 48.93' RT. ELEV. = 851.23
46+95.30, 48.56' RT. ELEV. = 851.56
CONTROL CABINET
46+65.32, 49.16' RT. ELEV. = 851.09
46+84.71, 48.81' RT. ELEV. = 851.43
46+58.13, 63.99' RT. ELEV. = 851.39
46+47.50, 63.89' RT. ELEV. = 851.91
46+95.68, 63.55' RT. ELEV. = 851.78
46+49.27, 63.91' RT. ELEV. = 851.82
46+76.38, 63.92' RT. ELEV. = 851.17
46+85.04, 63.79' RT. ELEV. = 851.38
STREET LIGHT POLE (TYP.)
46+65.73, 64.00' RT. ELEV. = 851.02
46+85.14, 67.79' RT. ELEV. = 851.32
CITY OF MADISON (WATERMAIN)
46+52.21, 80.73' RT. ELEV. = 851.62
46+95.83, 67.55' RT. ELEV. = 851.72
46+60.75, 79.61' RT. ELEV. = 851.55
EXISTING ASPHALT PATH TO REMAIN

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CURB RAMP DETAILS: ATWOOD AVENUE & WALTER STREET/OLBRICH PARK PARKING LOT	SHEET 82	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021312-cr
PLOT DATE : 9/12/2022 5:16 PM
PLOT BY : JAMES DES JARLAIS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CURB RAMP DETAILS: WALTER STREET & JOHNS STREET	SHEET 83	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021313-cr
PLOT DATE : 9/12/2022 5:16 PM
PLOT BY : JAMES DES JARLAIS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

RUTH E NICHOLS
JAMES C NICHOLS
3502 DENNETT DR UNIT P2

GRAVEL / LANDSCAPING

BLDG

EXISTING R/W

50+90.01, 52.71' LT.

R15'

5'

CONCRETE SIDEWALK 5-INCH

50+80.10, 37.71' LT.
ELEV. = 853.65

50+73.55, 37.71' LT.
ELEV. = 854.03

HMA PAVEMENT

CONCRETE SIDEWALK 7-INCH

10'

51+03.24, 37.71' LT.
ELEV. = 853.34

50+90.46, 37.72' LT.
ELEV. = 853.53

51+03.21, 27.66' LT.
ELEV. = 853.39

50+73.55, 27.71' LT.
ELEV. = 853.88

50+80.10, 27.71' LT.
ELEV. = 853.50

50+80.10, 24.00' LT.
ELEV. = 853.32

50+80.10, 22.00' LT.
ELEV. = 853.38

CITY OF MADISON (SANITARY)

50+90.10, 27.71' LT.
ELEV. = 853.58

50+90.11, 24.00' LT.
ELEV. = 853.40

50+90.10, 22.00' LT.
ELEV. = 853.47

50+96.34, 27.69' LT.
ELEV. = 853.49

51+05.25, 27.65' LT.
ELEV. = 853.37

51+06.31, 25.96' LT.
ELEV. = 853.43

51+14.20, 37.71' LT.
ELEV. = 853.29

51+16.01, 36.85' LT.
ELEV. = 853.35

MG&E (GAS)

CITY OF MADISON (FIBER)

DENNETT DRIVE

DETECTABLE WARNING FIELD RADIAL INFORMATION:
BACK OF CURB RADIUS = 24.00'
CURB RAMP LANDING LENGTH 'XR' = 13.27'
RADIAL WARNING FIELD AREA = 27.06 S.F.
RADIAL LONG CHORD DIMENSION = 13.46'

CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA (TYP.)

CITY OF MADISON (WATERMAIN)

51+54.13, 39.76' LT.
ELEV. = 853.49

51+52.26, 39.08' LT.
ELEV. = 853.53

51+61.39, 29.50' LT.
ELEV. = 853.76

51+60.11, 27.96' LT.
ELEV. = 853.80

DETECTABLE WARNING FIELD RADIAL INFORMATION:
BACK OF CURB RADIUS = 24.00'
CURB RAMP LANDING LENGTH 'XR' = 10.42'
RADIAL WARNING FIELD AREA = 26.23 S.F.
RADIAL LONG CHORD DIMENSION = 12.57'

CONCRETE SIDEWALK 5-INCH

TLE

LLOYD J BLANEY
3602 ATWOOD AVE

51+65.34, 40.00' LT.
ELEV. = 854.19

51+78.57, 54.53' LT.

51+78.52, 39.53' LT.
ELEV. = 854.45

51+85.97, 39.50' LT.
ELEV. = 854.55

GRASS

EXISTING R/W

CONCRETE SIDEWALK 7-INCH

HMA PAVEMENT

51+96.06, 39.51' LT.
ELEV. = 854.80

51+85.97, 29.50' LT.
ELEV. = 854.50

51+95.97, 29.50' LT.
ELEV. = 854.65

51+71.60, 29.50' LT.
ELEV. = 854.45

51+75.94, 29.50' LT.
ELEV. = 854.39

51+75.91, 24.01' LT.
ELEV. = 854.11

51+75.90, 22.00' LT.
ELEV. = 854.15

51+85.97, 24.00' LT.
ELEV. = 854.19

51+85.96, 22.00' LT.
ELEV. = 854.23

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA (TYP.)

ATWOOD AVENUE

PT: 50+68.82

CONCRETE SIDEWALK 7-INCH

50+80.12, 0.00' .
ELEV. = 853.83

50+80.13, 2.00' RT.
ELEV. = 853.76

50+90.14, 0.00' .
ELEV. = 853.91

50+90.14, 2.00' RT.
ELEV. = 853.85

CONCRETE CURB PEDESTRIAN

STREET LIGHT POLE (TYP.)

CONCRETE CURB PEDESTRIAN

50+80.15, 7.14' RT.
ELEV. = 853.60

50+80.15, 9.15' RT.
ELEV. = 853.66

50+90.14, 6.28' RT.
ELEV. = 853.69

50+90.15, 8.29' RT.
ELEV. = 853.75

52+00

LEGEND

- DETECTABLE WARNING FIELD
- ADA LEVEL LANDING
- GUTTER PAN SLOPE TRANSITION (6.25% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (C) 10:1 CONCRETE FLARE
- (G) 6:1 GRADED FLARE

NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL LANDINGS SHALL BE 5'X5' MINIMUM IN AREA. CROSS SLOPE SHALL BE 1.5% IN ALL DIRECTIONS.
3. SLOPE PERCENTS SHOWN ARE FOR GENERAL GUIDANCE OF THE CONTRACTOR AND TO ALLOW FOR ADJUSTMENT IN THE FIELD WITHIN THE 8.33% MAXIMUM.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

50+90.18, 30.80' RT.
ELEV. = 853.84

50+89.99, 20.35' RT.
ELEV. = 853.51

50+90.17, 22.34' RT.
ELEV. = 853.44

50+80.17, 23.20' RT.
ELEV. = 853.35

50+80.00, 21.21' RT.
ELEV. = 853.42

AT&T (FIBER)

50+80.18, 31.65' RT.
ELEV. = 853.78

50+70.20, 32.55' RT.
ELEV. = 854.10

CONCRETE SIDEWALK 7-INCH

AT&T (TELEPHONE)

CITY OF MADISON (ELECTRIC)

MG&E (OVERHEAD)

EXISTING R/W

51+00.15, 30.01' RT.
ELEV. = 854.38

HMA PAVEMENT

HMA PAVEMENT

50+81.49, 46.58' RT.
ELEV. = 853.97

50+71.61, 47.48' RT.
ELEV. = 854.34

51+01.31, 44.96' RT.
ELEV. = 854.61

50+91.41, 45.75' RT.
ELEV. = 854.07

MMSD (FORCEMAIN)

GRASS

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

51+85.63, 13.42' RT.
ELEV. = 854.40

51+75.62, 13.90' RT.
ELEV. = 854.32

51+85.72, 15.42' RT.
ELEV. = 854.34

INLET COVER (TYP.)

51+75.72, 15.89' RT.
ELEV. = 854.25

51+75.67, 25.57' RT.
ELEV. = 854.71

51+67.82, 25.90' RT.
ELEV. = 855.02

CONCRETE SIDEWALK 7-INCH

51+85.67, 25.20' RT.
ELEV. = 854.80

STREET LIGHT POLE

51+94.29, 24.92' RT.
ELEV. = 855.05

HMA PAVEMENT

51+75.95, 40.57' RT.
ELEV. = 854.94

51+94.56, 39.92' RT.
ELEV. = 855.26

51+68.48, 40.88' RT.
ELEV. = 855.25

51+85.94, 40.20' RT.
ELEV. = 855.03

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CURB RAMP DETAILS: ATWOOD AVENUE & DENNETT DRIVE	SHEET 84	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021314-cr

PLOT DATE : 9/12/2022 5:16 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT

2

ELLIOTT G SMITH
MELISSA R SMITH
3630 ATWOOD AVE

54+99.55, 53.50' LT.

55+18.44, 51.45' LT.
ELEV. = 856.48

55+13.47, 51.97' LT.
ELEV. = 856.61

EXISTING CONCRETE SIDEWALK TO REMAIN

TLE

R14'

CONCRETE SIDEWALK 5-INCH

GRASS

54+99.55, 39.43' LT.
ELEV. = 856.83

54+92.57, 39.43' LT.
ELEV. = 857.09

55+12.39, 39.42' LT.
ELEV. = 856.63

EXISTING R/W

EXISTING CONCRETE SIDEWALK TO REMAIN

CAUTION

HMA PAVEMENT

CONCRETE SIDEWALK 7-INCH

54+92.57, 29.50' LT.
ELEV. = 856.94

CONCRETE SIDEWALK 5-INCH

54+99.55, 29.50' LT.
ELEV. = 856.68

54+99.54, 24.00' LT.
ELEV. = 856.42

54+99.54, 22.00' LT.
ELEV. = 856.48

ATWOOD AVENUE

55+12.43, 29.50' LT.
ELEV. = 856.71

55+04.55, 29.50' LT.
ELEV. = 856.63

55+04.55, 24.00' LT.
ELEV. = 856.46

55+04.55, 22.00' LT.
ELEV. = 856.52

(MID PT.)

55+15.85, 39.40' LT.
ELEV. = 856.49

55+25.95, 39.43' LT.
ELEV. = 856.39

55+27.84, 38.77' LT.
ELEV. = 856.45

CITY OF MADISON (FIBER)

CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA (TYP.)

55+19.15, 29.50' LT.
ELEV. = 856.54

55+20.45, 27.98' LT.
ELEV. = 856.61

55+15.84, 29.50' LT.
ELEV. = 856.59

MG&E (GAS)

CITY OF MONONA (SANITARY)

DETECTABLE WARNING FIELD RADIAL INFORMATION:
BACK OF CURB RADIUS = 23.00'
CURB RAMP LANDING LENGTH 'XR' = 10.11'
RADIAL WARNING FIELD AREA = 25.05 S.F.
RADIAL LONG CHORD DIMENSION = 12.03'

AT&T (TELEPHONE)

55+00

MARGARET STREET

55+68.31, 58.84' LT.
ELEV. = 856.96

55+73.16, 58.41' LT.
ELEV. = 857.11

ROBERT T PLUM
LAUREEN K THOEMKE
3501 MARGARET ST

55+86.90, 53.50' LT.

55+75.00, 46.13' LT.
ELEV. = 857.28

CONCRETE SIDEWALK 5-INCH

55+70.62, 43.48' LT.
ELEV. = 857.16

55+69.10, 39.51' LT.
ELEV. = 856.88

55+73.83, 39.50' LT.
ELEV. = 857.23

DETECTABLE WARNING FIELD RADIAL INFORMATION:
BACK OF CURB RADIUS = 23.00'
CURB RAMP LANDING LENGTH 'XR' = 10.09'
RADIAL WARNING FIELD AREA = 25.09 S.F.
RADIAL LONG CHORD DIMENSION = 12.05'

CITY OF MADISON (WATERMAIN)

55+86.90, 39.50' LT.
ELEV. = 857.46

55+57.10, 38.85' LT.
ELEV. = 856.78

55+58.99, 39.50' LT.
ELEV. = 856.72

CONCRETE SIDEWALK 7-INCH

HMA PAVEMENT

56+06.88, 39.50' LT.
ELEV. = 857.94

55+86.88, 29.50' LT.
ELEV. = 857.31

56+06.88, 29.50' LT.
ELEV. = 857.79

55+64.47, 28.02' LT.
ELEV. = 856.97

55+65.77, 29.54' LT.
ELEV. = 856.91

55+69.08, 29.53' LT.
ELEV. = 856.94

55+74.03, 29.52' LT.
ELEV. = 857.20

55+81.88, 29.51' LT.
ELEV. = 857.27

CONCRETE SIDEWALK 5-INCH

55+86.88, 24.00' LT.
ELEV. = 857.14

INLET COVER (TYP.)

55+86.87, 22.00' LT.
ELEV. = 857.21

55+81.88, 24.00' LT.
ELEV. = 857.10

55+81.88, 22.00' LT.
ELEV. = 857.16

LEGEND

- DETECTABLE WARNING FIELD
- ADA LEVEL LANDING
- GUTTER PAN SLOPE TRANSITION (6.25% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (C) 10:1 CONCRETE FLARE
- (G) 6:1 GRADED FLARE

NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL LANDINGS SHALL BE 5'X5' MINIMUM IN AREA. CROSS SLOPE SHALL BE 1.5% IN ALL DIRECTIONS.
3. SLOPE PERCENTS SHOWN ARE FOR GENERAL GUIDANCE OF THE CONTRACTOR AND TO ALLOW FOR ADJUSTMENT IN THE FIELD WITHIN THE 8.33% MAXIMUM.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA (TYP.)

54+99.57, 12.00' RT.
ELEV. = 856.68

54+99.54, 13.97' RT.
ELEV. = 856.62

55+04.55, 12.00' RT.
ELEV. = 856.72

55+04.57, 14.00' RT.
ELEV. = 856.66

CONCRETE SIDEWALK 5-INCH

54+99.54, 20.00' RT.
ELEV. = 856.90

55+04.52, 20.00' RT.
ELEV. = 856.94

MG&E (OVERHEAD)

54+92.63, 20.00' RT.
ELEV. = 857.30

55+08.12, 20.00' RT.
ELEV. = 857.14

HMA PAVEMENT

MMSD (FORCEMAIN)

EXISTING R/W

54+92.63, 30.00' RT.
ELEV. = 857.45

54+99.52, 30.00' RT.
ELEV. = 857.05

55+08.12, 30.00' RT.
ELEV. = 857.29

55+04.52, 30.00' RT.
ELEV. = 857.09

GRASS

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

CITY OF MADISON (ELECTRIC)

55+86.77, 12.00' RT.
ELEV. = 857.41

55+86.77, 13.00' RT.
ELEV. = 857.34

55+81.77, 12.00' RT.
ELEV. = 857.36

55+81.77, 13.00' RT.
ELEV. = 857.30

55+81.88, 20.00' RT.
ELEV. = 857.59

STREET LIGHT POLE

CONCRETE SIDEWALK 5-INCH

55+75.82, 20.00' RT.
ELEV. = 857.99

55+96.69, 20.00' RT.
ELEV. = 858.17

55+86.88, 20.00' RT.
ELEV. = 857.63

55+75.82, 30.00' RT.
ELEV. = 858.14

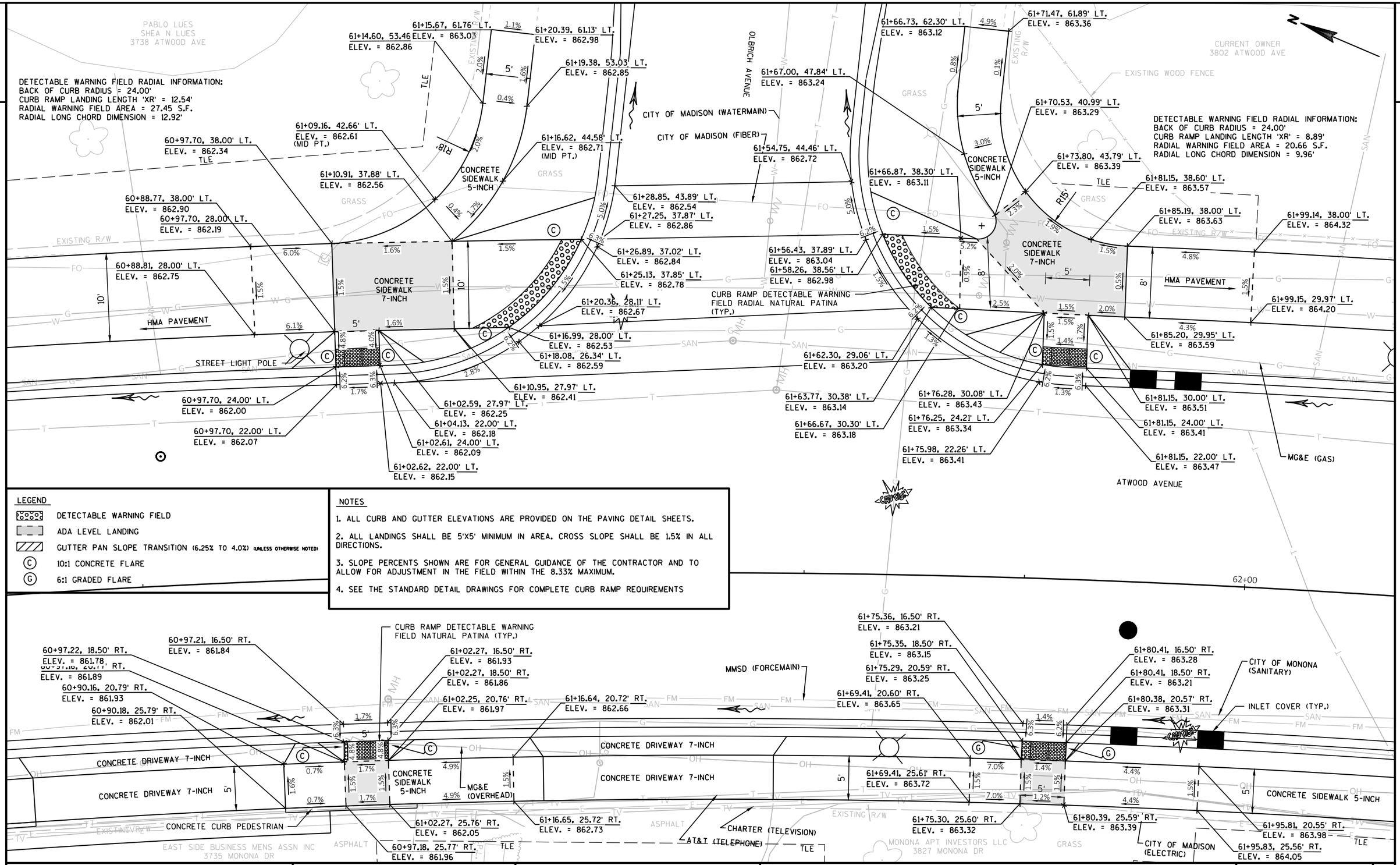
55+81.88, 30.00' RT.
ELEV. = 857.74

55+96.76, 30.00' RT.
ELEV. = 858.30

55+86.88, 30.00' RT.
ELEV. = 857.78

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CURB RAMP DETAILS: ATWOOD AVENUE & MARGARET STREET	SHEET 85	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021315-cr
PLOT DATE : 9/12/2022 5:16 PM
PLOT BY : JAMES DES JARLAIS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



LEGEND

- DETECTABLE WARNING FIELD
- ADA LEVEL LANDING
- GUTTER PAN SLOPE TRANSITION (6.25% TO 4.0%) (UNLESS OTHERWISE NOTED)
- (C) 10:1 CONCRETE FLARE
- (G) 6:1 GRADED FLARE

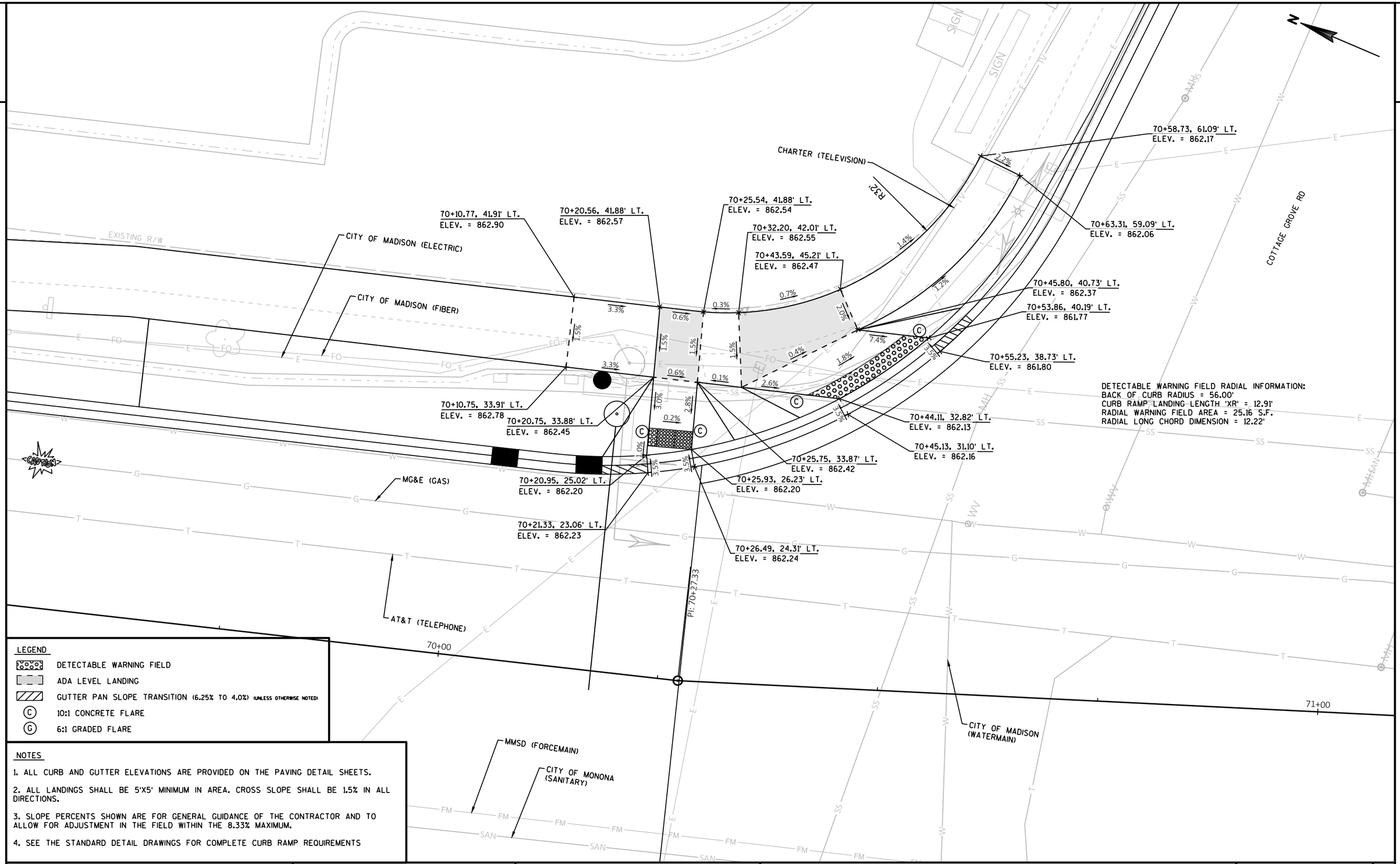
NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL LANDINGS SHALL BE 5'X5' MINIMUM IN AREA. CROSS SLOPE SHALL BE 1.5% IN ALL DIRECTIONS.
3. SLOPE PERCENTS SHOWN ARE FOR GENERAL GUIDANCE OF THE CONTRACTOR AND TO ALLOW FOR ADJUSTMENT IN THE FIELD WITHIN THE 8.33% MAXIMUM.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS

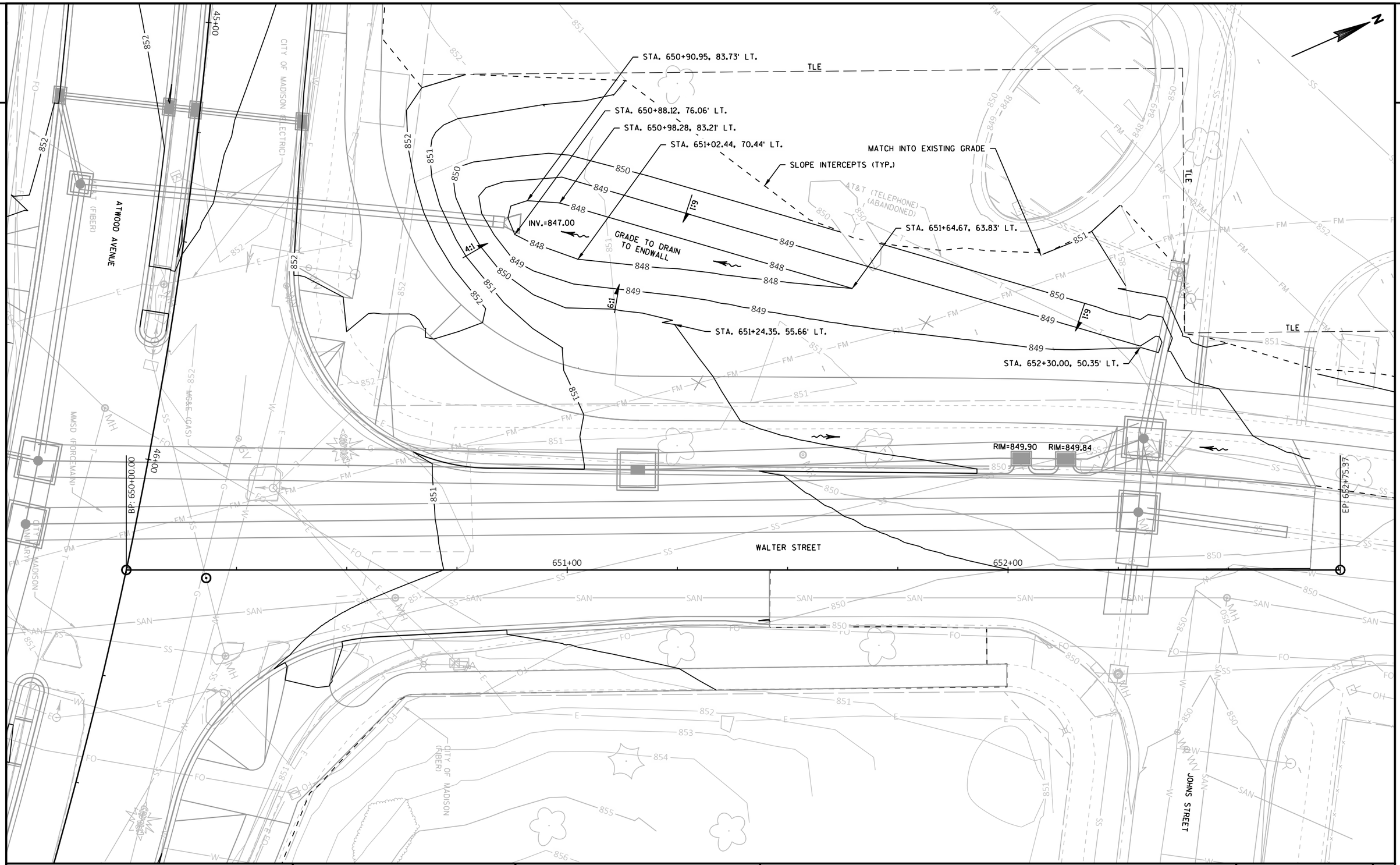
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CURB RAMP DETAILS: ATWOOD AVENUE & OLBRICH AVENUE	SHEET 86	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021316-cr
PLOT DATE : 9/12/2022 5:16 PM
PLOT BY : JAMES DES JARLAIS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CURB RAMP DETAILS: ATWOOD AVENUE & COTTAGE GROVE ROAD	SHEET 87	E



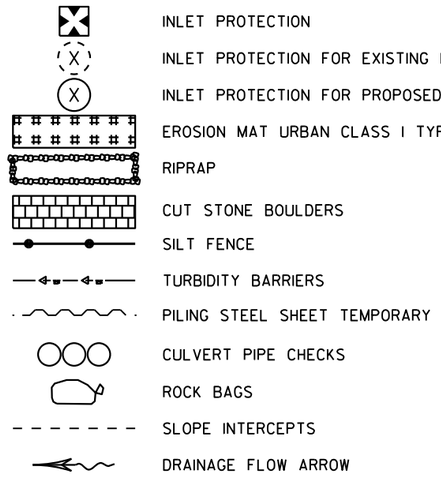
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CONTOUR MAP	SHEET 88	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\021601-CM.DWG
LAYOUT NAME - 021601-cm

PLOT DATE : 9/13/2022 5:05 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

EROSION CONTROL LEGEND



2

3002 ATWOOD
INVESTMENTS LLC
233 S FAIR OAKS AVE

3002 ATWOOD
INVESTMENTS LLC
3010 ATWOOD AVE

MAYNARD SCHMUDLACH (LE)
MICHAEL SCHMUDLACH
3014 ATWOOD AVE

ROBERT H GRETHER
PAMELA K GRETHER
3026 ATWOOD AVE

KELLY SORENSON
NATHAN LIEGEL
3030 ATWOOD AVE

CONNIE JO NADLER
BONITA RAE
ANDERSON
3034
ATWOOD AVE

CURRENT OWNER
3102 ATWOOD AVE

CURRENT OWNER
3106 ATWOOD AVE

RICHARD WATTS
3112 ATWOOD AVE

DAVID
MELISSA
3114 A

FAIR OAKS AVENUE

PT: 11+96.89

ASPH.

GRASS

CONC.

WOOD RAILING

STEPS (2)

GRASS

WOOD
FENCE

STONE
RETAINING WALL

STEPS (5)

WOOD
FENCE

STONE
RETAINING WALL

STEPS (8)

STEPS (5)

STEPS (6) WITH
METAL RAILING

STEPS (5) WITH
METAL RAILING

STEPS (5) WITH
METAL RAILING

STONE
RETAINING WALL

STEPS (3)

STO
RET

PT: 16+62.62

SS

ATWOOD AVENUE

12+00

13+00

14+00

15+00

16+00

17+

STA. 17+00

MATCHLINE STA. 1

11+00

MH

SS

GRASS

CONC.

GRASS

LANDSCAPING

GRASS

METAL FENCE

STEPS (10)

GRASS

SCHOOL SIGN

GRASS

TIMBER WALL

STERS (4)

CONCRETE
CURB WALL

HILARY ANN STEIN
2929 ATWOOD AVE

MAPLE AVENUE

MADISON METRO SCHOOL DISTRICT
401 MAPLE AVE

LUDINGTON AVENUE

DAVID J BLOOM
RAINA M BLOOM
401 LUDINGTON AVE

MICHAEL JOHN SHORT
3105 ATWOOD AVE

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	EROSION CONTROL	SHEET 90	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022002-ec

PLOT DATE : 9/12/2022 2:30 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

INSTALL INLET PROTECTION TYPE D IN EXISTING INLETS ON THE SOUTH SIDE OF THE BUENA VISTA DRIVE INTERSECTION

MATCHLINE STA. 17+00

MATCHLINE STA. 23+00

GARRISON STREET

ATWOOD AVENUE

WELCH AVENUE

CENTER AVENUE

PC: 17+97.05

PC: 19+30.30

PT: 19+78.04

13+00

19+00

20+00

21+00

22+00

L LEBLANC
S LEBLANC
TWOOD AVE

DAVID JOHN WARNER
DAWN M WARNER
3118 ATWOOD AVE

PRESTON BARROWS
3122
ATWOOD AVE

CURRENT OWNER
3126
ATWOOD AVE

LINDA L M DYKSTRA
3202
ATWOOD AVE

CURRENT OWNER
3206
ATWOOD AVE

JOHN GOEDDERZ
KATHLEEN BAILEY
3210
ATWOOD AVE

KAREN BURZINSKI
3214
ATWOOD AVE

MIKE P KINGSLIEN
STACY R STONE
3218 ATWOOD AVE

BURTON A LINDQUIST
LAURIE J LINDQUIST
3222 ATWOOD AVE

DALE W BRUCKNER TRUST
3226
ATWOOD AVE

LORI A FLEURY
3230
ATWOOD AVE

KRISTIN M RUCINSKI
3234
ATWOOD AVE

LYNNE WEBO
323
ATWOOD

NE
AINING WALL
TEPS (3)

MODULAR BLOCK RETAINING WALL

STEPS (3)

STEP (1)

STEP (1)

GRASS

CONC.

SS

STONE RETAINING WALL
POOR SHAPE

STEPS (4)

STEPS (3)

LANDSCAPING

MICHAEL A QUIRKE
3109 ATWOOD AVE

BOLLERUD LIVING TRUST
3113 ATWOOD AVE

JESSE M VANDERPOL
3121 ATWOOD AVE

MICHAEL THEISEN
DAWN THEISEN
3123 ATWOOD AVE

BETH A CARLSON
3122 CENTER AVE

FRANCISCO XAVIER SUAREZ
405 WELCH AVE

LAUREN A SLATTERY
3209 ATWOOD AVE

CHAIN LINK FENCE

SUSAN K SHAW
3213
ATWOOD AVE

STEPS

STONE RETAINING WALL

STEPS (4)

WOOD FENCE

TAVISH PEGRAM
3225/3227 ATWOOD AVE

SULLIVAN KIDDER
409 WELCH AVE

JAY SWENSON
413 WELCH AVE

JELIC FAMILY TRUST
3212 CENTER AVE

GREGORY T MILLER
LARA M O MILLER
3221 CENTER AVE

3217 LLC
3217 CENTER AVE

P T & L A ANDERSON TR
3213 CENTER AVE

MARY J CONROY
3209 CENTER AVE

CURRENT OWNER
3230
OAKRIDGE AVE

JEAN M RAWSON REV TRUST
3226
OAKRIDGE AVE

RICHARD L POLLAK
3222
OAKRIDGE AVE

MH

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	EROSION CONTROL	SHEET 91	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022003-ec

PLOT DATE : 9/12/2022 2:30 PM

PLOT BY : JASON DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

2

MATCHLINE STA. 23+00

MATCHLINE STA. 29+00

ATWOOD AVENUE

SUGAR AVENUE

OAKRIDGE AVENUE

LAKELAND AVENUE

PLANTING MIX TOPSOIL

PLANTING MIX TOPSOIL

BOTANICAL GARDEN SIGN

DRINKING FOUNTAIN

SCULPTURE FOUNDATION

PARK SIGN

CITY OF MADISON PARKS OLBRICH BOTANICAL GARDENS
3330 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH PARK
3301 ATWOOD AVE

JERRY KRETCHMAR
CHRISTOPER MOHAR
234 OAKRIDGE AVE

PI: 23+55.15

PI: 24+58.15

PC: 26+05.51

PI: 27+36.91

PC: 106+90.68

PT: 107+31.91

PT: 105+12.40

PC: 104+87.18

PT: 104+41.60

MATCHLINE STA. 104+00

STA. 23+82, 135' RT.

DO NOT DISTURB OR STORE ANY MATERIALS IN EXTANT MOUND AREA. THIS AREA SHALL BE SURROUNDED BY SAFETY FENCE FOR THE DURATION OF THE PROJECT.

STA. 24+35, 162.5' RT.

STA. 23+52, 188' RT.

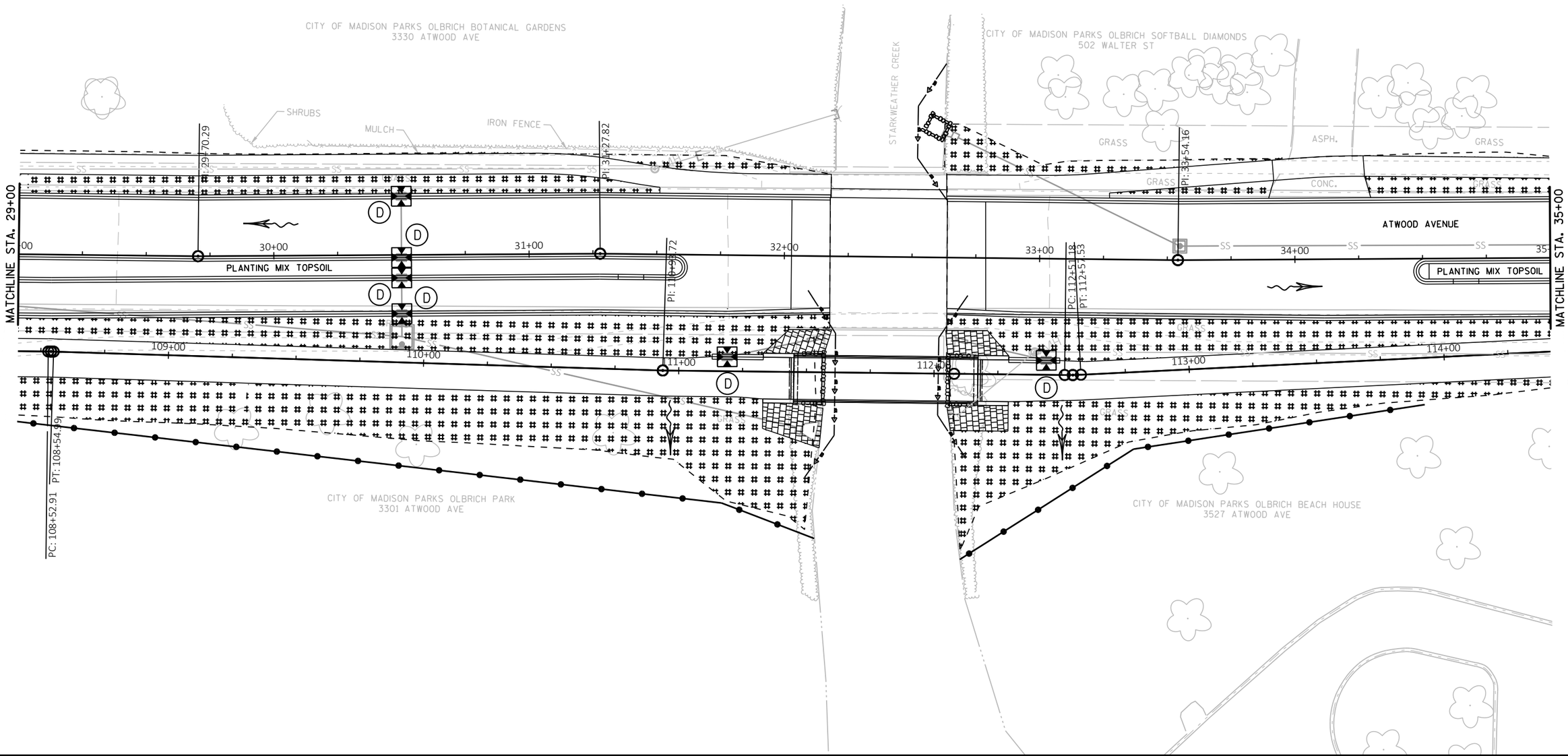
STA. 24+7.5, 216' RT.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	EROSION CONTROL	SHEET 92	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022004-ec

PLOT DATE : 9/12/2022 2:30 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

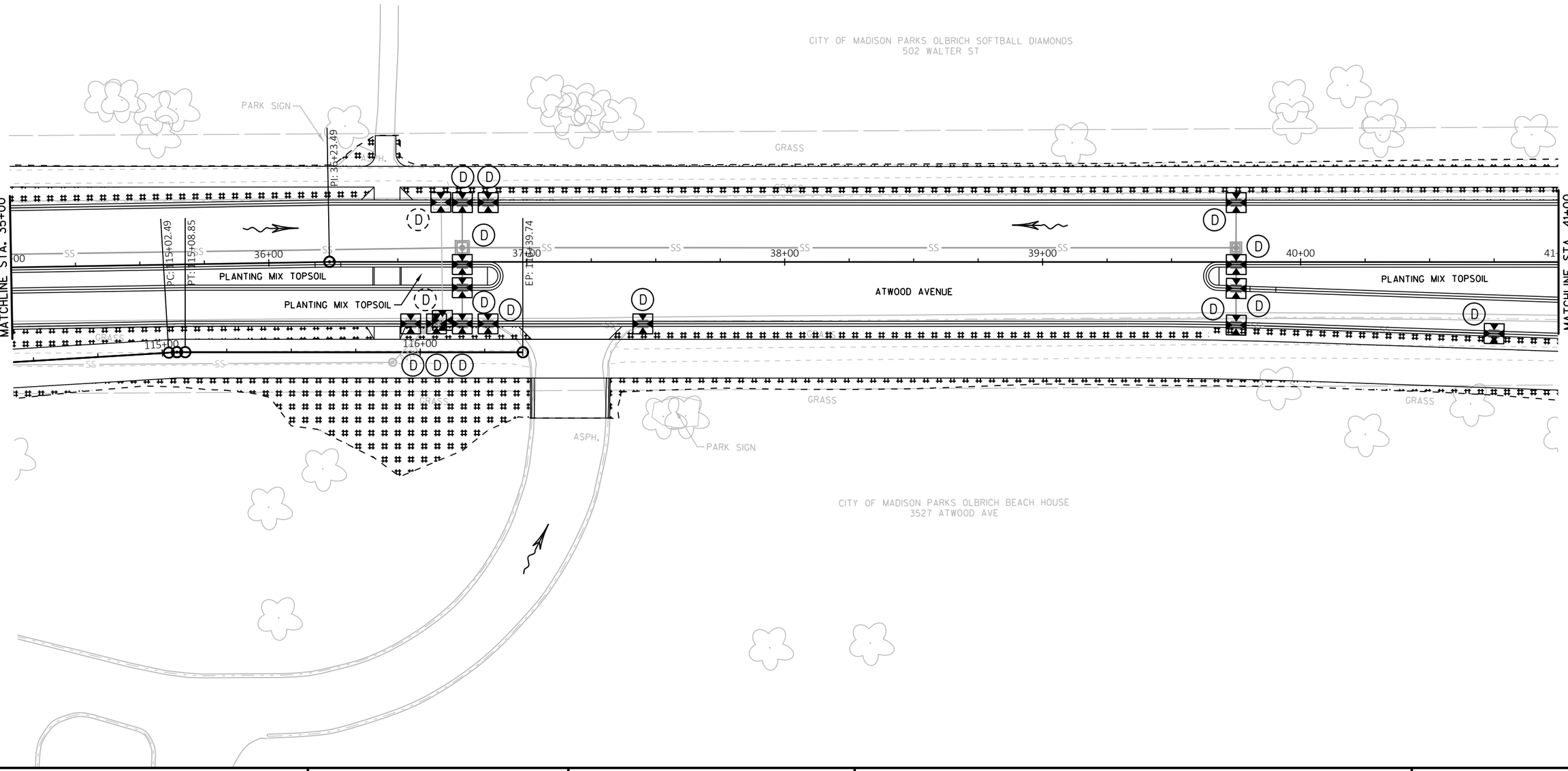


PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	EROSION CONTROL	SHEET 93	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022005-ec

PLOT DATE : 9/12/2022 2:30 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

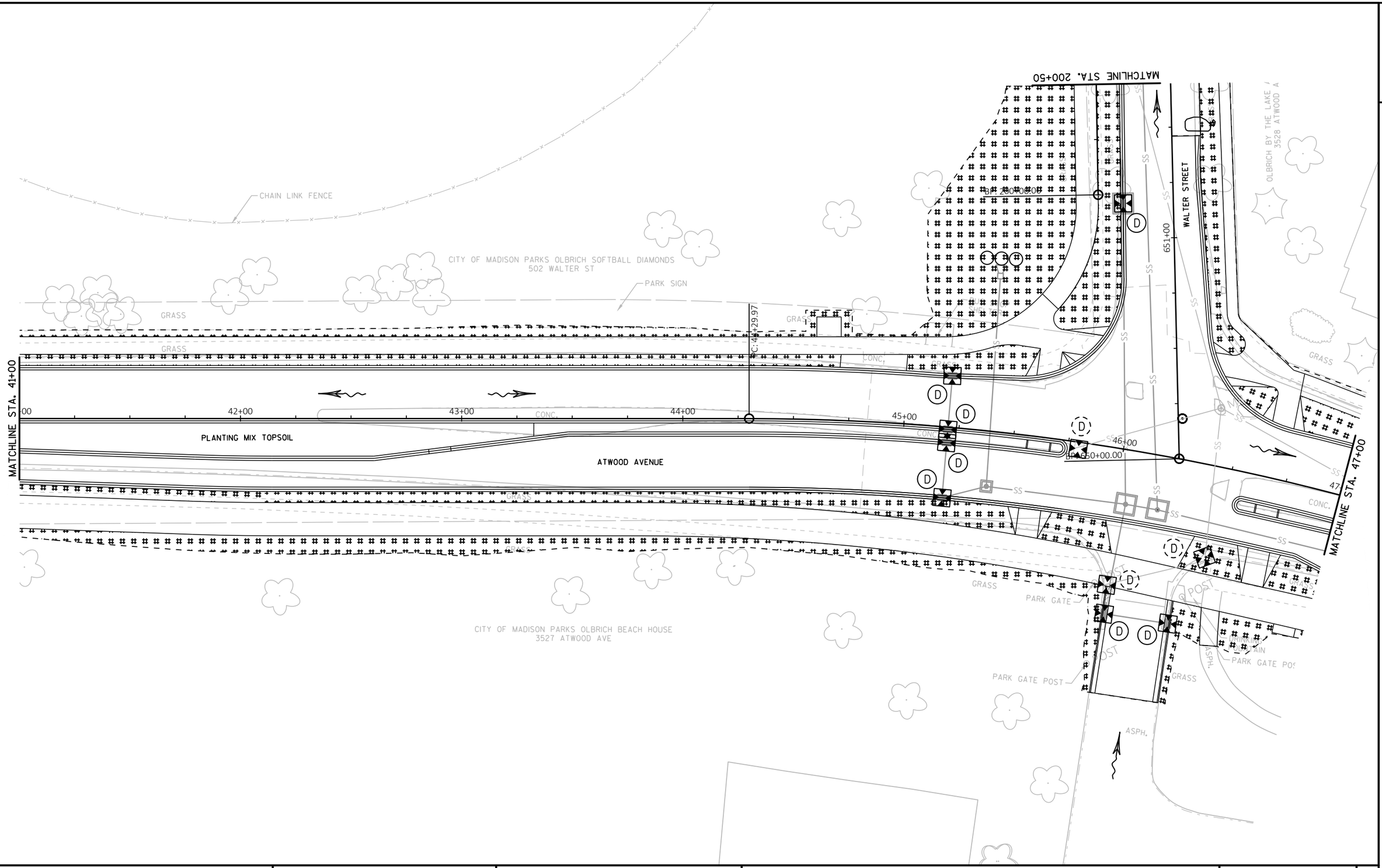


PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	EROSION CONTROL	SHEET 94	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022006-ec

PLOT DATE : 9/12/2022 2:30 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	EROSION CONTROL	SHEET 95	E

2

2

MICHAEL CHARLES MELVIN
JACLYN MARIE MELVIN
3514 DENNETT DR

INSTALL INLET PROTECTION TYPE D IN EXISTING INLET ON THE SOUTH SIDE OF THE JOHNS STREET INTERSECTION

INSTALL INLET PROTECTION TYPE D IN EXISTING INLET ON THE SOUTH SIDE OF THE BUSSE STREET INTERSECTION

OLBRICH BY THE LAKE ASSOC LLC
3528 ATWOOD AVE

APARTMENT SIGN

RUTH E NICHOLS
JAMES C NICHOLS
3502 DENNETT DR UNIT P2

LLOYD J BLANEY
3602 ATWOOD AVE

A J PROBST
3606 ATWOOD AVE
(VACANT LOT)

VIRGINIA PROBST
3610 ATWOOD AVE

DENNETT DRIVE

ATWOOD AVENUE

MATCHLINE STA. 47+00

MATCHLINE STA. 53+00

PC: 49+12.79

PT: 48+17.26

PT: 50+68.82

47+00

48+00

49+00

50+00

51+00

52+00

53+00

ASPH.

CONC.

BRICK

GRASS

METAL GATE

SS

SS MH

SEE OLBRICH PARK EROSION CONTROL PLAN SHEET

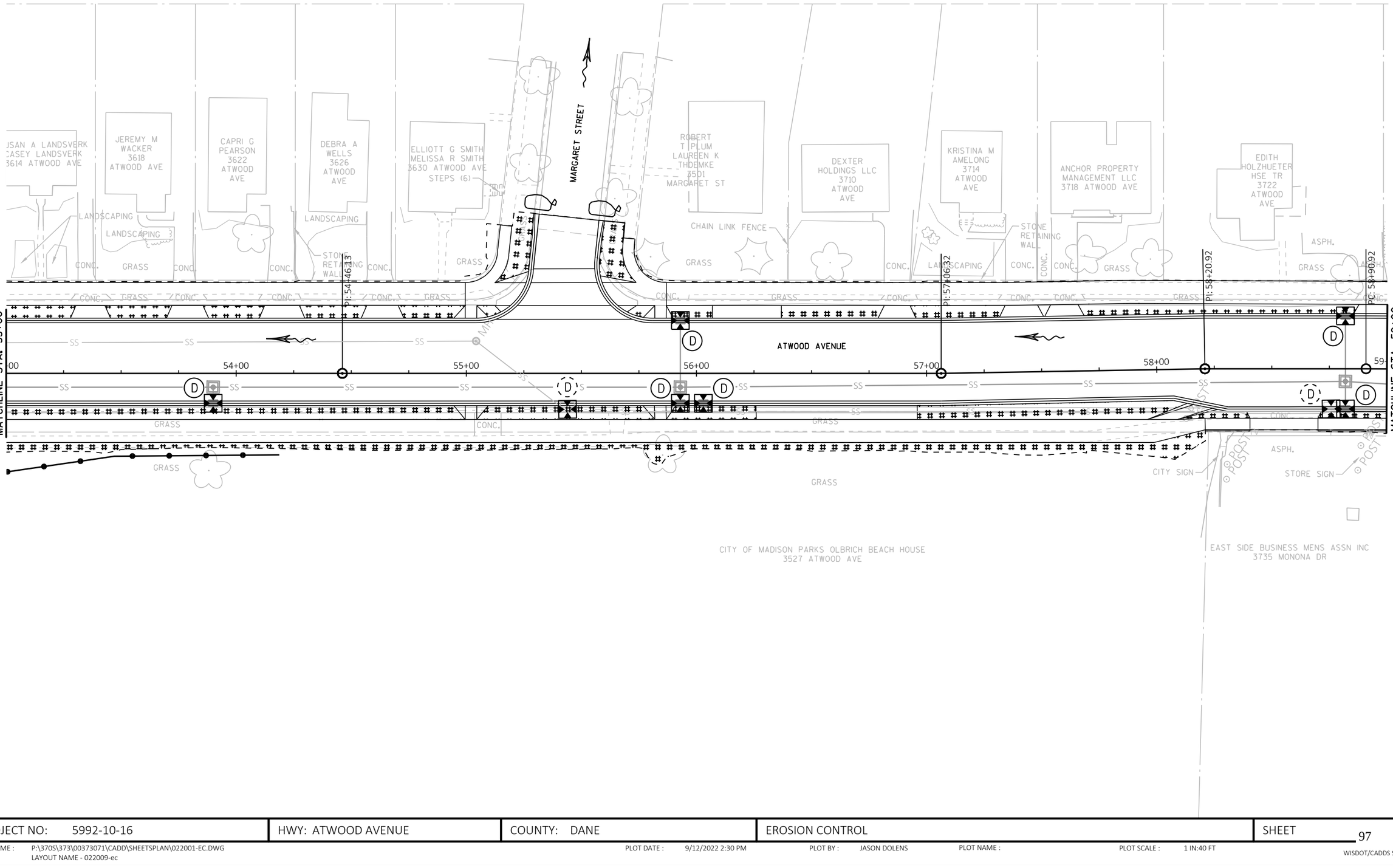
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	EROSION CONTROL	SHEET 96	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022008-ec

PLOT DATE : 10/12/2022 10:20 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

INSTALL INLET PROTECTION TYPE D IN EXISTING INLETS ON THE SOUTH SIDE OF THE BUSSE STREET INTERSECTION



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	EROSION CONTROL	SHEET 97	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022009-ec

PLOT DATE : 9/12/2022 2:30 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

INSTALL INLET PROTECTION TYPE D IN EXISTING INLETS ON THE SOUTH SIDE OF THE BUSSE STREET INTERSECTION

OLBRICH AVENUE

ATWOOD AVENUE

BROOKE WEILAND
ACHARY ALEXANDER
3726 ATWOOD AVE

SUSANNAH R BROOKS
JAMIE A MCLEES
3730 ATWOOD AVE

CURRENT OWNER
3734 ATWOOD AVE

PABLO LUES
SHEA N LUES
3738 ATWOOD AVE

CURRENT OWNER
3802 ATWOOD AVE

STEVEN FALTER
MARY FALTER
3806 ATWOOD AVE

D & P STEVENS LLC
3810 ATWOOD AVE

JOHN E HARDIN
KAITLIN M HARDIN
3814 ATWOOD AVE

CURRENT OWNER
3818 ATWOOD AVE

EAST SIDE BUSINESS MENS ASSN INC
3735 MONONA DR

MONONA APT INVESTORS LLC
3827 MONONA DR

MONONA APT INVESTORS LLC
3815 MONONA DR

MONONA APT INVESTORS LLC
3819 MONONA DR

RAISED FENCE ON CONCRETE BLOCKS

CURB

PEDESTRIAN CURB

WOOD FENCE

MODULAR BLOCK WALL

STONE WALL

STONE

LANDSCAPING

GRASS

ASPH.

CONC.

SAN

SS

TW

PC: 64+14.52

PT: 64+76.68

BC: 61+64.56

ET: 63+17.71

60+00

61+00

62+00

63+00

64+00

65+00

MATCHLINE STA. 59+00

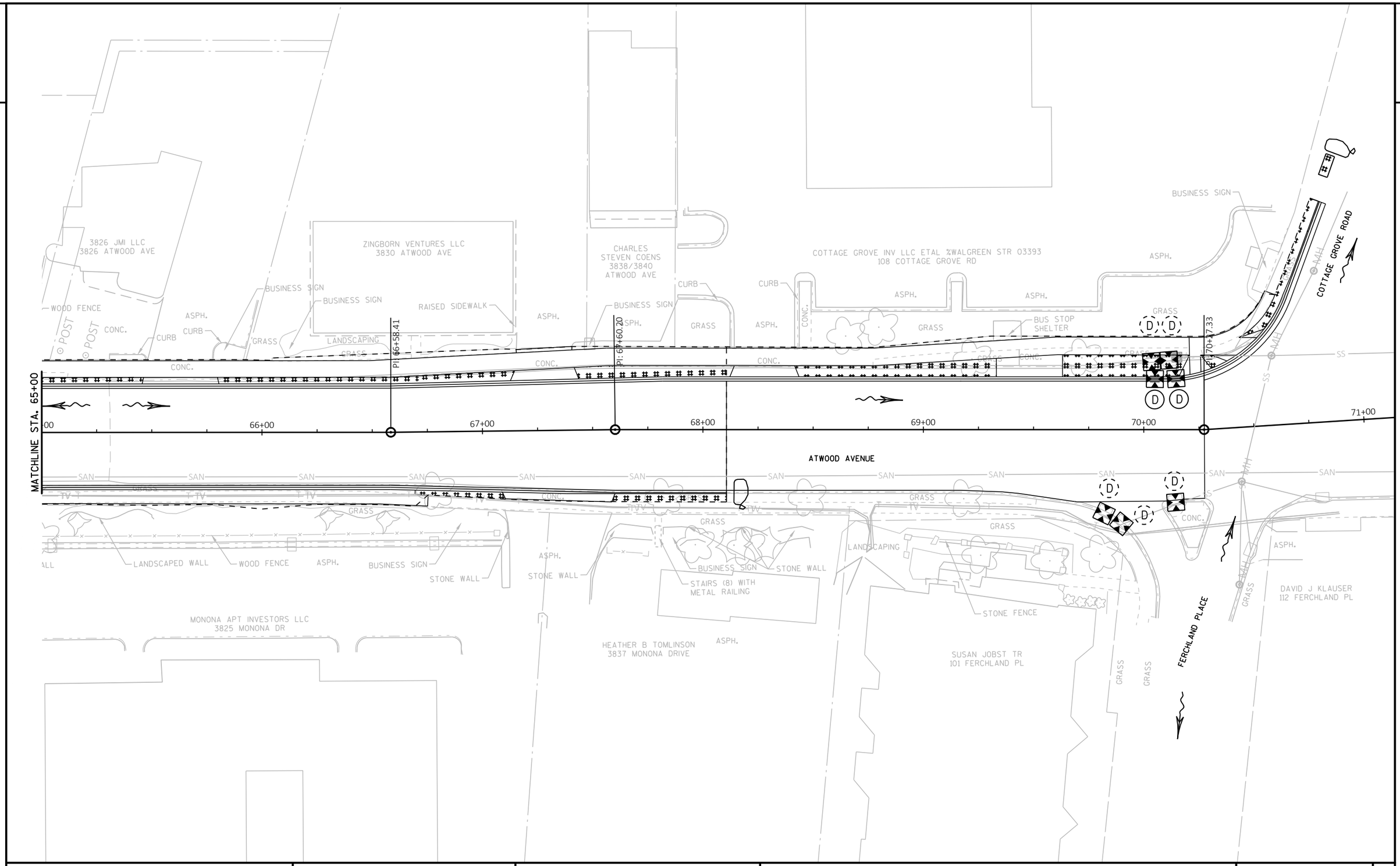
MATCHLINE STA. 65+00

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	EROSION CONTROL	SHEET 98	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022010-ec

PLOT DATE : 9/12/2022 2:30 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

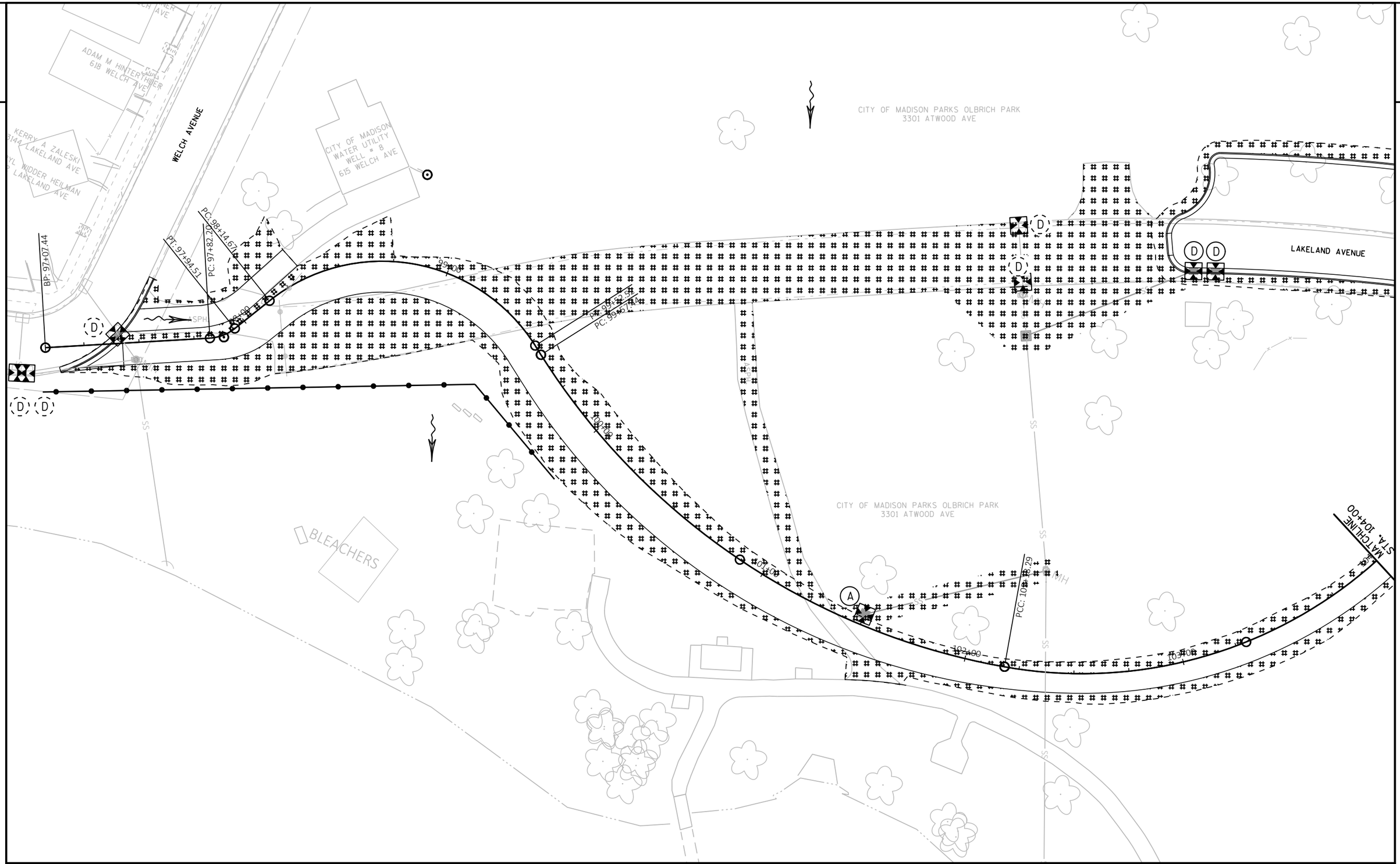
2



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	EROSION CONTROL	SHEET 99	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022011-ec
PLOT DATE : 9/12/2022 2:30 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	EROSION CONTROL	SHEET 100	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022012-ec
PLOT DATE : 9/12/2022 2:30 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

MADISON METRO
SEWERAGE DISTRICT
STATION 6
402 WALTER ST

PT: 202+87.60

EP: 206+36.41

MATCHLINE STA. 200+50

200+70.13

654+75.37

652+00

201+00

202+00

203+00

204+00

205+00

206+00

GRASS

ASPH.

CONC.

WALTER STREET

SS

MH

ROBERT CAREY
505 WALTER ST

GRANT MOORE
JENNIFER MOORE
3501 SARGENT ST

BARBARA L
SEYMOUR
3504
SARGENT ST

LAURIE
SOLCHENBERGER
401 WALTER ST

SSOC LLC
/E

JOHNS STREET

SARGENT STREET

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	EROSION CONTROL	SHEET 101	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022013-ec

PLOT DATE : 10/31/2022 10:38 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

REMOVE, SALVAGE, AND REINSTALL
RIPRAP HEAVY

LAKE
MONONA

ATWOOD AVENUE

52+00

53+00

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

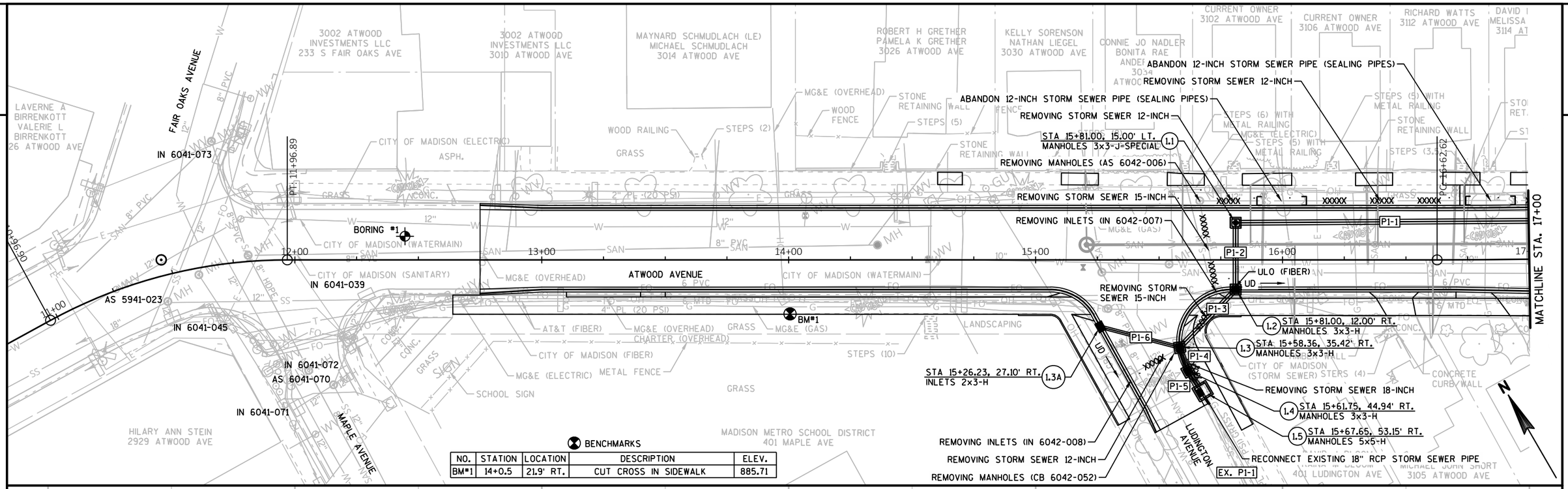
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	EROSION CONTROL: OLBRICH PARK	SHEET 102	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022014-ec

PLOT DATE : 9/12/2022 2:31 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

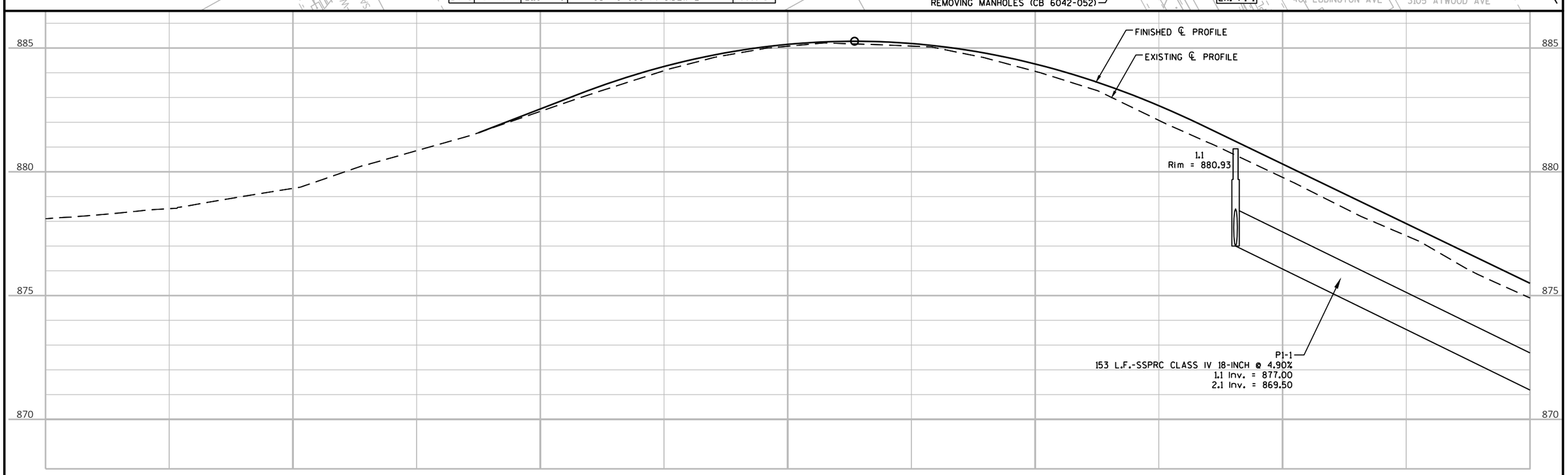
WISDOT/CADDS SHEET 42

2

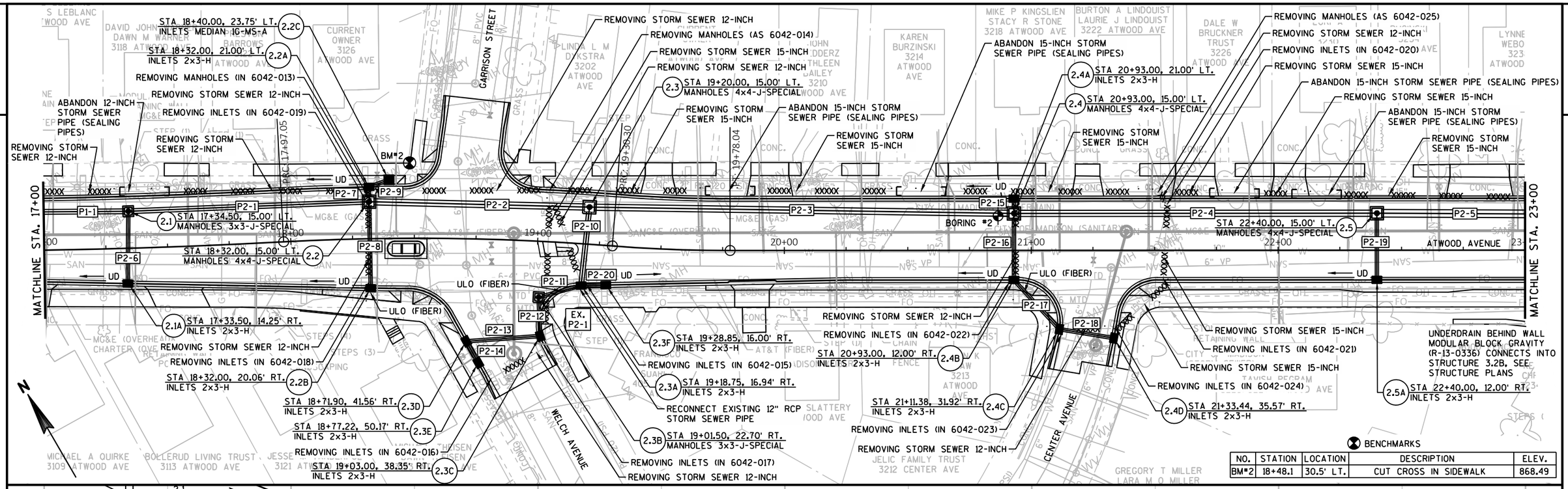


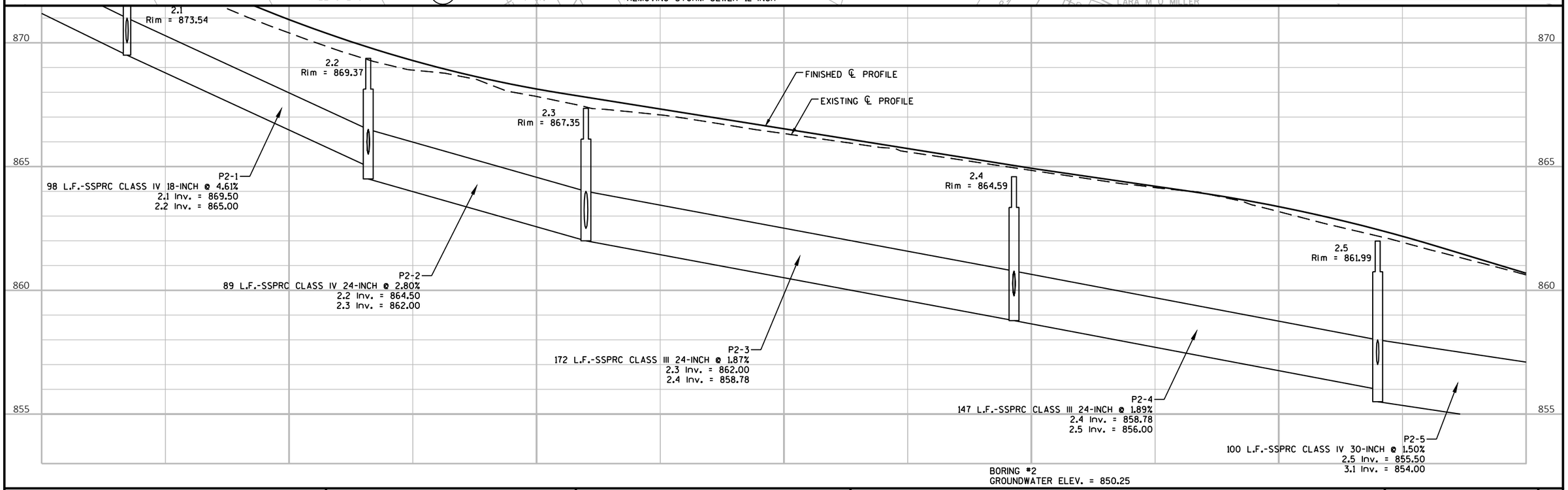
BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#1	14+0.5	21.9' RT.	CUT CROSS IN SIDEWALK	885.71



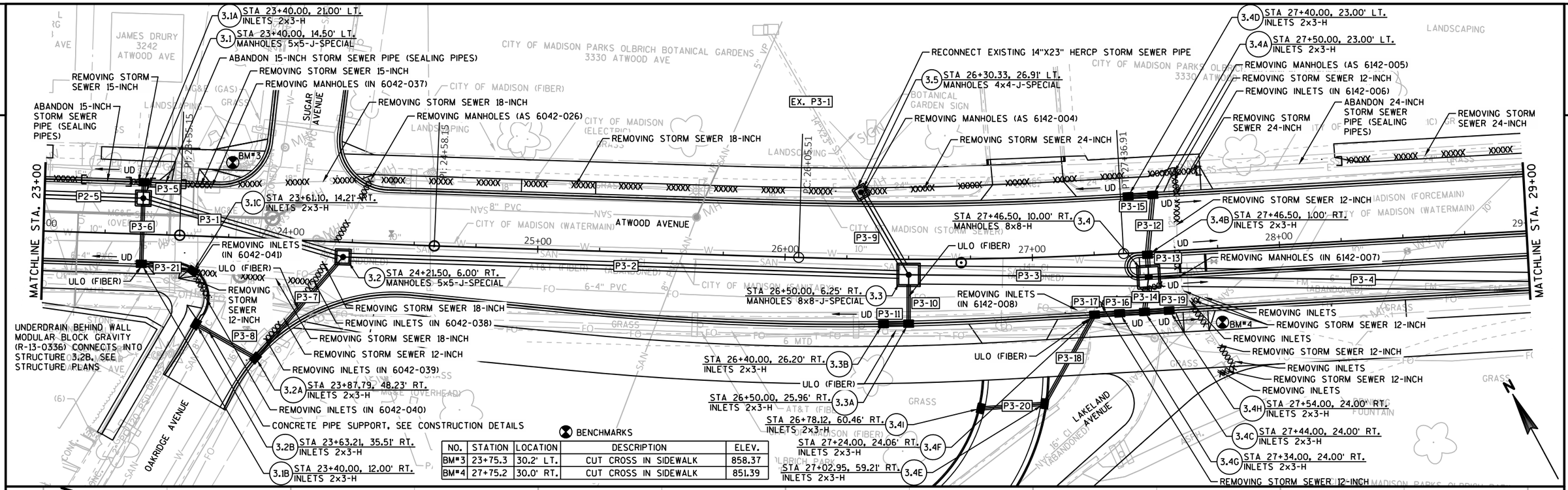
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STORM SEWER	SHEET 103	E



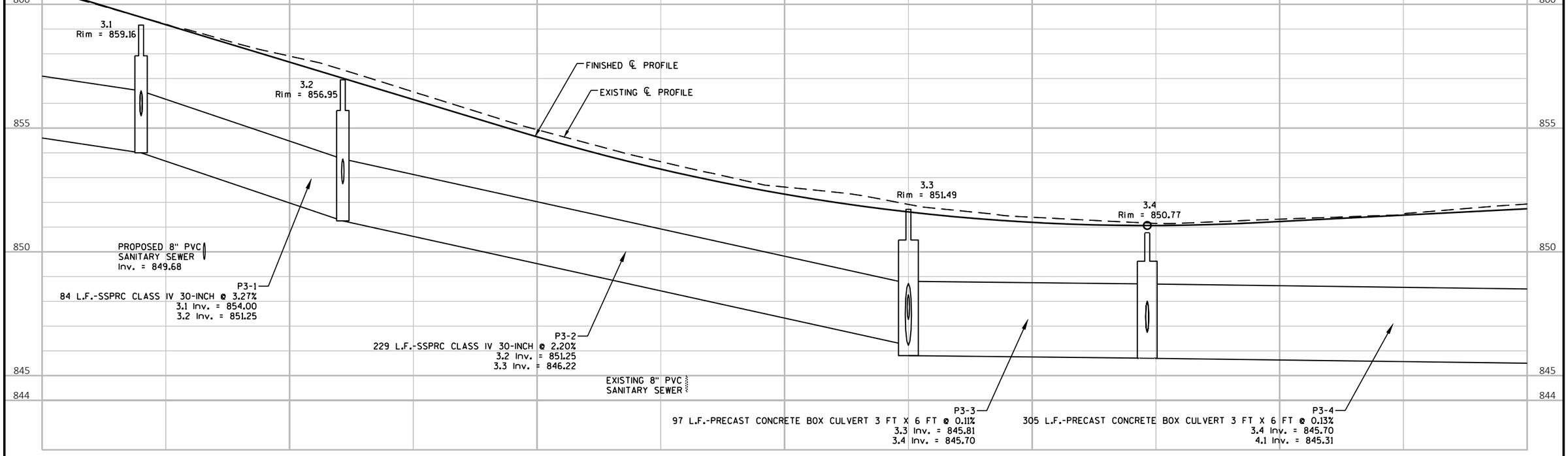


PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STORM SEWER	SHEET 104	E

2



BENCHMARKS				
NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM*3	23+75.3	30.2' LT.	CUT CROSS IN SIDEWALK	858.37
BM*4	27+75.2	30.0' RT.	CUT CROSS IN SIDEWALK	851.39



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STORM SEWER	SHEET 105	E

2

CITY OF MADISON PARKS OLBRICH BOTANICAL GARDENS
3330 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

ABANDON 24-INCH STORM SEWER PIPE (SEALING PIPES)
REMOVING STORM SEWER 24-INCH
REMOVING MANHOLES (AS 6142-003)
REMOVING STORM SEWER 24-INCH
REMOVING MANHOLES (AS 6143-001)
REMOVING STORM SEWER 15-INCH
REMOVING STORM SEWER 15-INCH

4.1A STA 30+50.00, 23.00' LT. INLETS 2x3-H
4.1B STA 30+50.00, 1.00' RT. INLETS 2x3-H
4.1C STA 30+50.00, 9.00' RT. INLETS 2x3-H
4.1D STA 30+50.00, 23.00' RT. INLETS 2x3-H
4.1 STA 30+50.00, 32.00' RT. MANHOLES 8x8 SPECIAL-J-SPECIAL
4.2 STA 33+55.00, 5.50' LT. MANHOLES 4x4-J-SPECIAL
4.3A STA 31+78.00, 39.83' RT. INLETS 2x3-H
4.4A STA 33+03.00, 39.83' RT. INLETS 2x3-H
EW.4A STA 32+05.40, 67.00' RT. APRON ENDWALLS FOR CPRC 48-INCH WITH PIPE GRATE REQ'D.
EW.4B STA 32+67.55, 47.00' LT. APRON ENDWALLS FOR CPRC 24-INCH WITH PIPE GRATE REQ'D.
EW.4C STA 32+09.50, 33.00' RT. APRON ENDWALLS FOR CPRC 12-INCH
EW.4D STA 32+72.00, 33.00' RT. APRON ENDWALLS FOR CPRC 12-INCH

P4-1 P4-2 P4-3 P4-4 P4-5 P4-6 P4-7 P4-8 P4-9 P3-4

Pt: 31+70.29
Pt: 31+27.82
Pt: 33+54.16

BM#5

BORING #3

ULO (FIBER)

ATWOOD AVENUE

MATCHLINE STA. 29+00

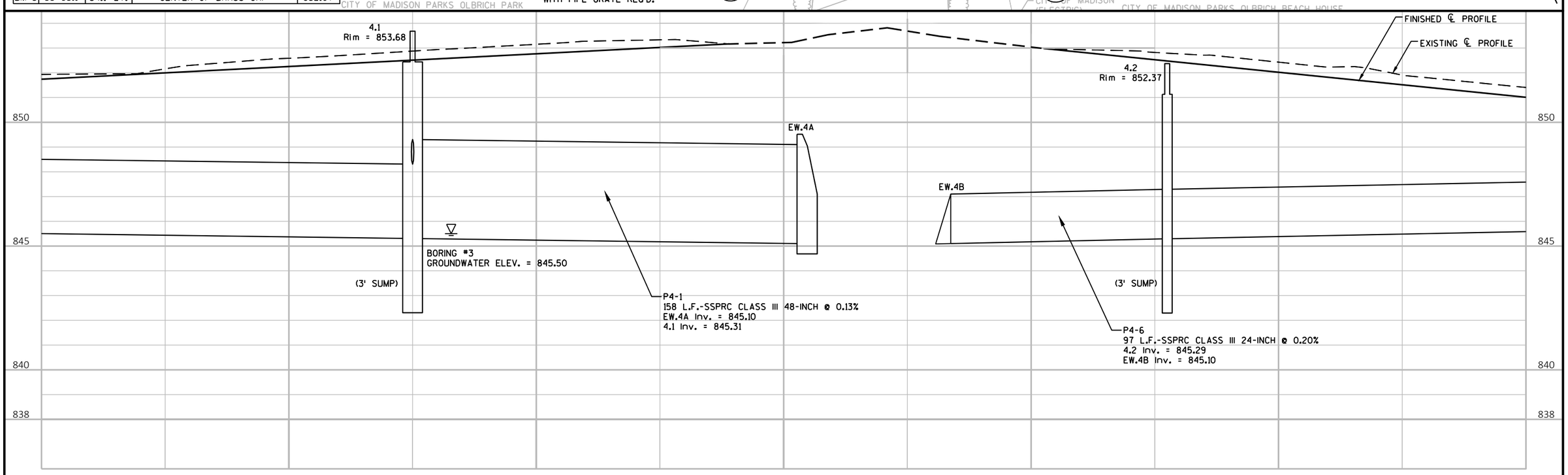
MATCHLINE STA. 35+00

CITY OF MADISON (STORM SEWER)
CITY OF MADISON (WATERMAIN)
CITY OF MADISON (ELECTRIC)
CITY OF MADISON (FORCEMAIN)
AT&T (FIBER)
MG&E (GAS)
STARKWEATHER CREEK
IRON FENCE
SHRUBS
MULCH
GRASS
ASPH.
CONC.

BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#5	33+93.1	34.1' LT.	CENTER OF BRASS CAP	852.07

CITY OF MADISON PARKS OLBRICH PARK
CITY OF MADISON PARKS OLBRICH BEACH HOUSE



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STORM SEWER	SHEET 106	E

FILE NAME : P:\370S\373\00373071\CADD\DESIGN\PIPENETWORKS\STORM SEWER.DWG
LAYOUT NAME - 022504-ss

PLOT DATE : 9/12/2022 4:26 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

REMOVING INLETS (IN 6143-004)
REMOVING STORM SEWER 12-INCH
REMOVING INLETS (IN 6143-005)
REMOVING STORM SEWER 12-INCH
REMOVING STORM SEWER 15-INCH
REMOVING MANHOLES (AS 6143-002)
REMOVING STORM SEWER 15-INCH
REMOVING MANHOLES (AS 6143-003)

5.1A STA 36+75.00, 23.00' LT. INLETS 2x3-H
5.1E STA 36+85.00, 23.00' LT. INLETS 2x3-H
5.1 STA 36+75.00, 5.50' LT. MANHOLES 4x4-J-SPECIAL
5.1B STA 36+75.00, 1.00' RT. INLETS 2x3-H
5.1C STA 36+75.00, 10.00' RT. INLETS 2x3-H
5.1F STA 36+55.00, 24.00' RT. INLETS 2x3-H
5.1I STA 37+45.00, 24.00' RT. INLETS 2x3-H
5.1G STA 36+65.00, 24.00' RT. INLETS 2x3-H
5.1D STA 36+75.00, 24.00' RT. INLETS 2x3-H
5.1H STA 36+85.00, 24.00' RT. INLETS 2x3-H

5.2A STA 39+75.00, 23.00' LT. INLETS 2x3-H
5.2 STA 39+75.00, 5.50' LT. MANHOLES 3x3-J-SPECIAL
5.2B STA 39+75.00, 1.00' RT. INLETS 2x3-H
5.2C STA 39+75.00, 10.25' RT. INLETS 2x3-H
5.2D STA 39+75.00, 24.45' RT. INLETS 2x3-H
5.2E STA 40+75.00, 27.75' RT. INLETS 2x3-H

MATCHLINE STA. 35+00
MATCHLINE STA. 41+00
PI: 36+23.49
ATWOOD AVENUE
CITY OF MADISON (ELECTRIC)
CITY OF MADISON (WATERMAIN)
CITY OF MADISON (FIBER)
CITY OF MADISON (FORCEMAIN)
CITY OF MADISON (STORM SEWER)
AT&T (FIBER)
ULO (FIBER)
MG&E (GAS)
PARK SIGN
ASPH.
GRASS
MH
P4-7
P5-1
P5-2
P5-3
P5-4
P5-5
P5-6
P5-7
P5-8
P5-9
P5-10
P5-11
P5-12
P5-13
P5-14
P5-15
UD

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
7637 ATWOOD AVE

FINISHED ℄ PROFILE
EXISTING ℄ PROFILE

5.1
Rim = 849.57

5.2
Rim = 851.41

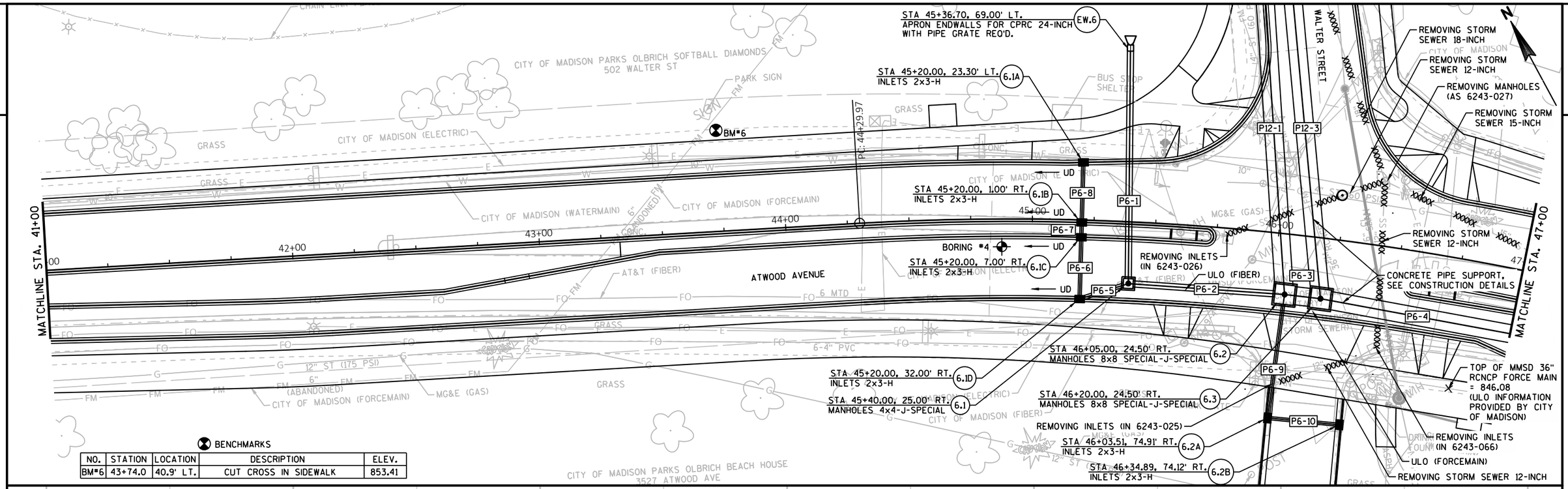
P4-7
320 L.F.-SSPRC CLASS IV 24-INCH @ 0.20%
5.1 Inv. = 845.93
4.2 Inv. = 845.29

P5-1
300 L.F.-SSPRC CLASS IV 18-INCH @ 0.20%
5.2 Inv. = 847.03
5.1 Inv. = 846.43

850
845
840
837

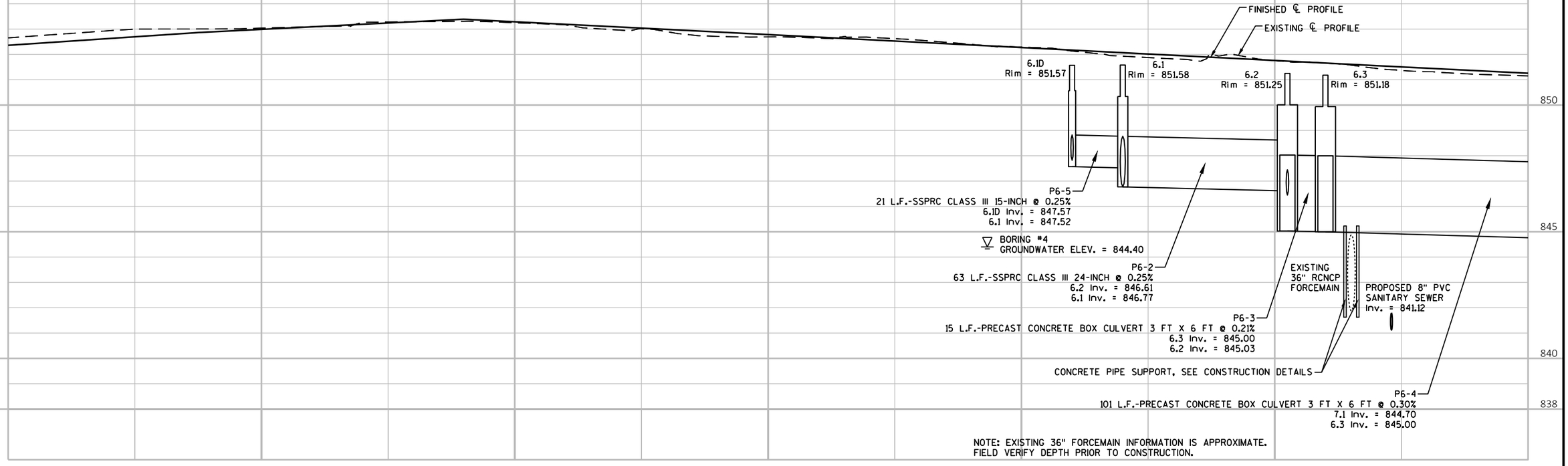
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STORM SEWER	SHEET 107	E

2



BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM*6	43+74.0	40.9' LT.	CUT CROSS IN SIDEWALK	853.41



NOTE: EXISTING 36" FORCEMAIN INFORMATION IS APPROXIMATE. FIELD VERIFY DEPTH PRIOR TO CONSTRUCTION.

2

7.1E STA 47+13.00, 23.00' LT. INLETS 2x3-H

REMOVING STORM SEWER 15-INCH

7.1A STA 47+23.00, 23.00' LT. INLETS 2x3-H

CONNECT TO EXISTING 12" PVC STORM SEWER PIPE

REMOVING INLETS (IN 6423-023)

REMOVING STORM SEWER 12-INCH

EX. P7-1

7.1F STA 47+35.00, 23.00' LT. INLETS 2x3-H

P7-11 P7-13 P7-12 P7-9 P7-8 P7-7 P6-4 P7-10 P7-14 P7-15

7.1B STA 47+23.00, 12.00' RT. INLETS 2x3-H

7.1C STA 47+23.00, 16.82' RT. INLETS 2x3-H

REMOVING MANHOLES (AS 6243-021)

REMOVING STORM SEWER 15-INCH

PT 48+17.26

PC 49+12.79

MATCHLINE STA. 47+00

ATWOOD AVENUE

7.1H STA 47+60.00, 39.61' RT. INLETS 2x3-H

7.1G STA 47+31.00, 40.59' RT. INLETS 2x3-H

REMOVING STORM SEWER 12-INCH

REMOVING INLETS (IN 6243-022)

7.1 STA 47+23.00, 25.50' RT. MANHOLES 8x8 SPECIAL-J-SPECIAL

7.1D STA 47+23.00, 39.71' RT. INLETS 2x3-H

TOP OF MMSD 36" RCNCP FORCE MAIN = 845.52
(ULO INFORMATION PROVIDED BY CITY OF MADISON)

SIDEWALK TRENCH DRAIN, SEE CONSTRUCTION DETAILS

7.2A STA 49+95.00, 23.00' LT. INLETS 2x3-H

7.2B STA 50+00.00, 1.00' RT. INLETS 2x3-H

P7-24 P7-17 P7-16 P7-2 P7-18 P7-1

PT 50+68.82

ULO (TELEPHONE)

MATCHLINE STA. 53+00

STA 50+00.00, 10.86' RT. MANHOLES 8x8 SPECIAL-H 7.2

STA 50+00.00, 26.67' RT. INLETS 2x3-H 7.2C

STA 50+50.00, 6.00' RT. MANHOLES 8x8 SPECIAL-J-SPECIAL 7.3

P7-3

ULO (ELECTRIC & TELEPHONE)

TOP OF MMSD 36" RCNCP FORCE MAIN = 849.01
(ULO INFORMATION PROVIDED BY CITY OF MADISON)

STA 51+30.20, 2.00' RT. MANHOLES 8x8 SPECIAL-J-SPECIAL 7.4

ULO (TELEPHONE)

STA 51+31.25, 50.30' RT. MANHOLES 8x8 SPECIAL-J-SPECIAL 7.7

RECONNECT EXISTING 48" RCP STORM SEWER PIPE

EX. P7-2

DENNETT DRIVE

7.8 STA 51+41.90, 54.00' LT. MANHOLES 6x6-J-SPECIAL

REMOVING STORM SEWER 48-INCH

7.5 STA 51+43.50, 2.00' RT. MANHOLES 8x8 SPECIAL-J-SPECIAL

7.6A STA 51+95.00, 23.00' LT. INLETS 2x3-H

REMOVING MANHOLES (AS 6244-009)

REMOVING STORM SEWER 15-INCH

P7-21 P7-4 P7-23 P7-5 P7-25 P7-6 P7-22 P7-19 P7-20

REMOVING STORM SEWER 12-INCH

REMOVING INLETS

7.6 STA 51+95.00, 6.00' RT. MANHOLES 4x4-J-SPECIAL

7.6B STA 51+95.00, 14.04' RT. INLETS 2x3-H

EX. P7-3

REMOVING MANHOLES (AS 6244-004)

REMOVING STORM SEWER 54-INCH

REMOVING MANHOLES (AS 6244-005)

7.9 STA 51+42.85, 48.83' RT. MANHOLES 8x8 SPECIAL-J-SPECIAL

RECONNECT EXISTING 54" RCP STORM SEWER PIPE

FINISHED ℄ PROFILE

EXISTING ℄ PROFILE

7.1 Rim = 850.63

7.2 Rim = 852.94

7.3 Rim = 853.88

7.4 Rim = 854.18

7.5 Rim = 854.29

7.6 Rim = 854.61

P7-1
274 L.F.-PRECAST CONCRETE BOX CULVERT 3 FT X 6 FT @ 0.30%
7.2 Inv. = 843.88
7.1 Inv. = 844.70

P7-2
50 L.F.-PRECAST CONCRETE BOX CULVERT 3 FT X 6 FT @ 0.30%
7.3 Inv. = 843.73
7.2 Inv. = 843.88

P7-3
80 L.F.-PRECAST CONCRETE BOX CULVERT 3 FT X 6 FT @ 0.30%
7.4 Inv. = 843.49
7.3 Inv. = 843.73

P7-4
13 L.F.-SSPRC CLASS III 66-INCH @ 0.00%
7.5 Inv. = 837.93
7.4 Inv. = 837.93

P7-5
52 L.F.-SSPRC CLASS III 24-INCH @ 0.33%
7.6 Inv. = 848.47
7.5 Inv. = 848.30

P7-6
195 L.F.-SSPRC CLASS III 24-INCH @ 1.12%
8.1 Inv. = 850.65
7.6 Inv. = 848.47

850 845 840 838

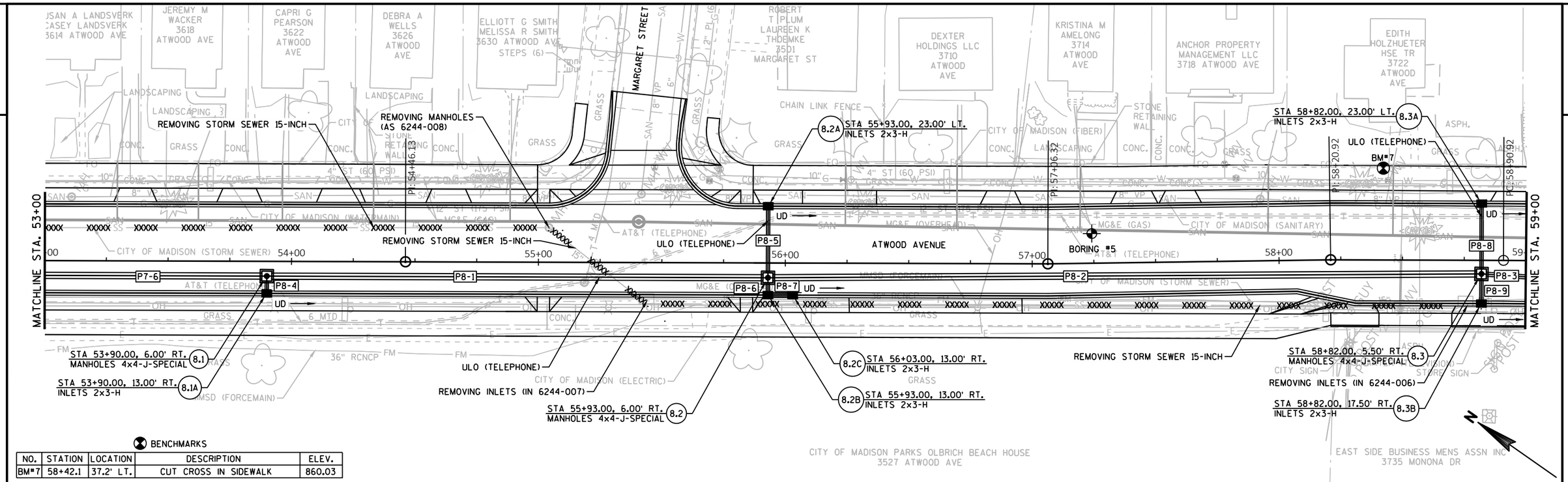
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STORM SEWER	SHEET 109	E

FILE NAME : P:\370S\373\00373071\CADD\DESIGN\PIPENETWORKS\STORM SEWER.DWG
LAYOUT NAME - 022507-ss

PLOT DATE : 10/12/2022 10:32 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

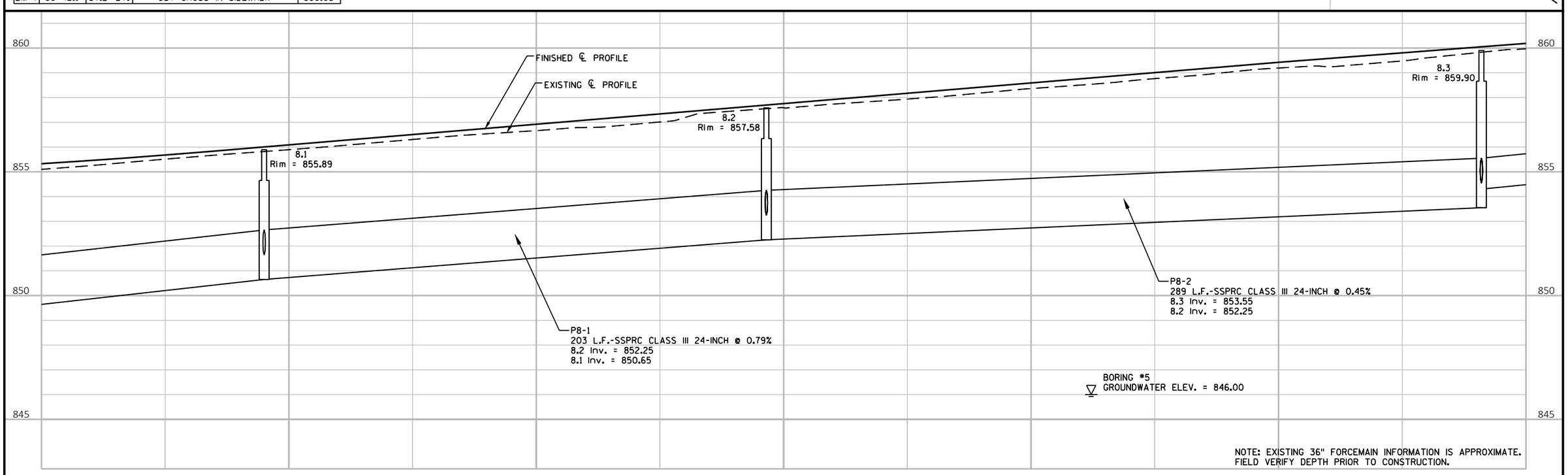
WISDOT/CADDS SHEET 41

2



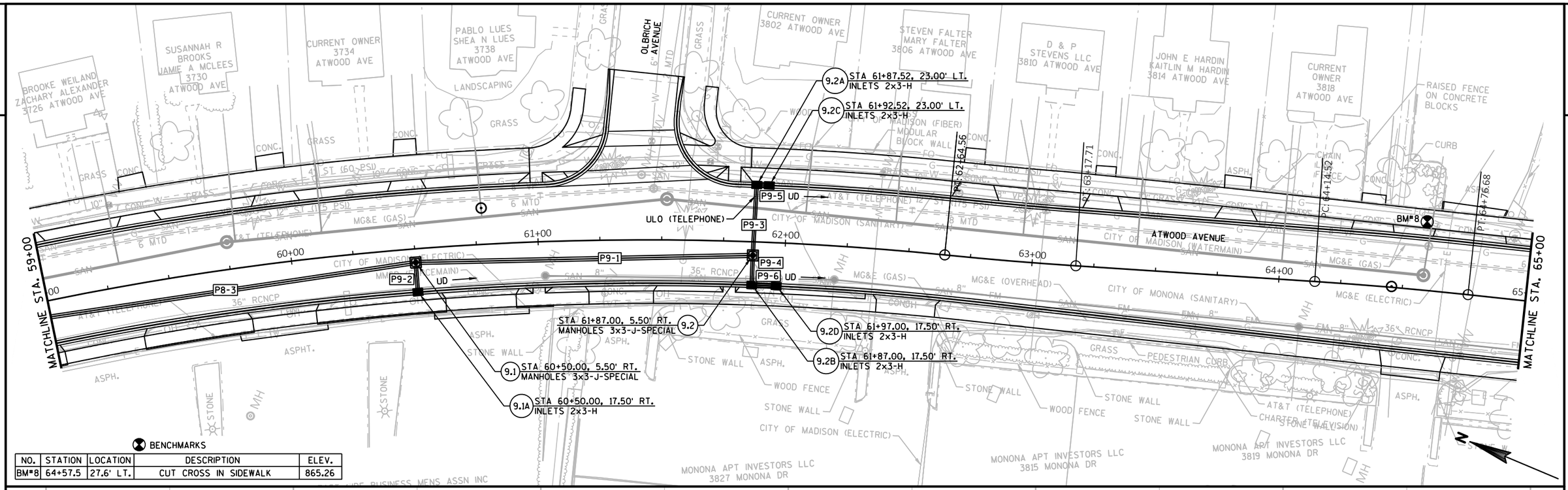
BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#7	58+42.1	37.2' LT.	CUT CROSS IN SIDEWALK	860.03



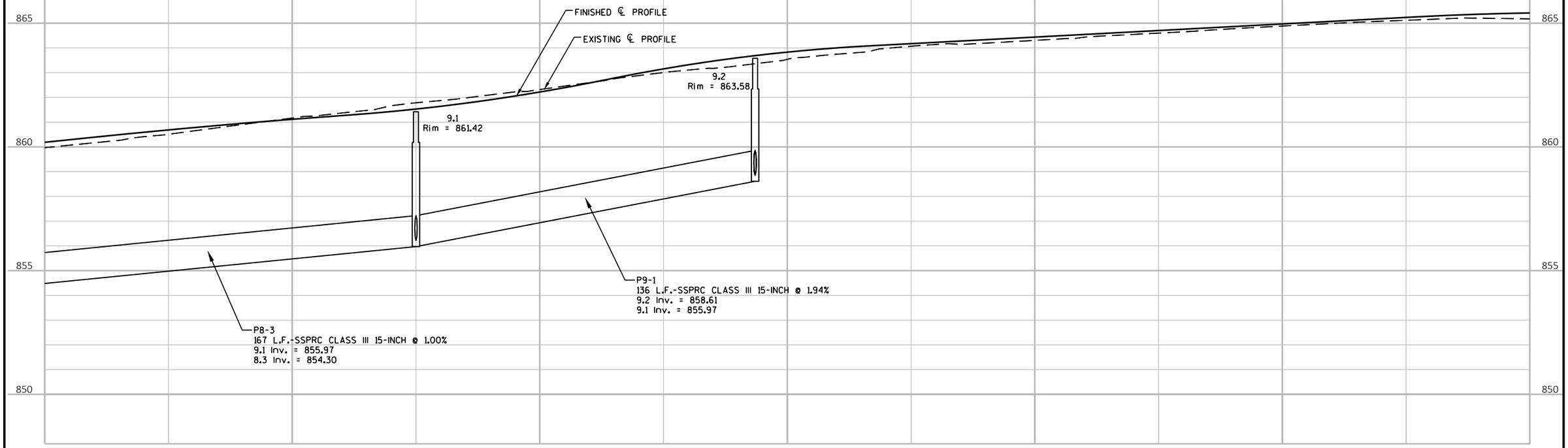
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STORM SEWER	SHEET 110	E

2



BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#8	64+57.5	27.6' LT.	CUT CROSS IN SIDEWALK	865.26



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STORM SEWER	SHEET 111	E

2

RECONNECT EXISTING 12" RCP STORM SEWER PIPE
STA 70+15.00, 32.90' LT. 10.1
MANHOLES 3x3-J-SPECIAL
REMOVING INLETS (IN 6345-021)
REMOVING STORM SEWER 12-INCH
REMOVING INLETS (IN 6345-022)
STA 70+05.00, 23.00' LT. 10.1B
INLETS 2x3-H
STA 70+14.59, 23.18' LT. 10.1A
INLETS 2x3-H

3826 JMI LLC
3826 ATWOOD AVE

ZINGBORN VENTURES LLC
3830 ATWOOD AVE

CHARLES
STEVEN COENS
3838/3840
ATWOOD AVE

COTTAGE GROVE INV LLC ETAL %WALGREEN STR 03393
108 COTTAGE GROVE

MATCHLINE STA. 65+00

ATWOOD AVENUE

COTTAGE GROVE ROAD

FERCHLAND PLACE

DAVID J KLAUSER
112 FERCHLAND PL

BM#9

EX. P10-1

P10-2

P10-1

AS 6345-013

AS 6345-012

AS 6345-011

TO 6345-023

TO 6345-025

TO 6345-024

TO 6346-010

TO 6346-011

BORING #6

BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#9	70+32.8	42.3' LT.	CUT CROSS IN SIDEWALK	862.61

FINISHED ℄ PROFILE

EXISTING ℄ PROFILE

10.1
Rim = 862.64

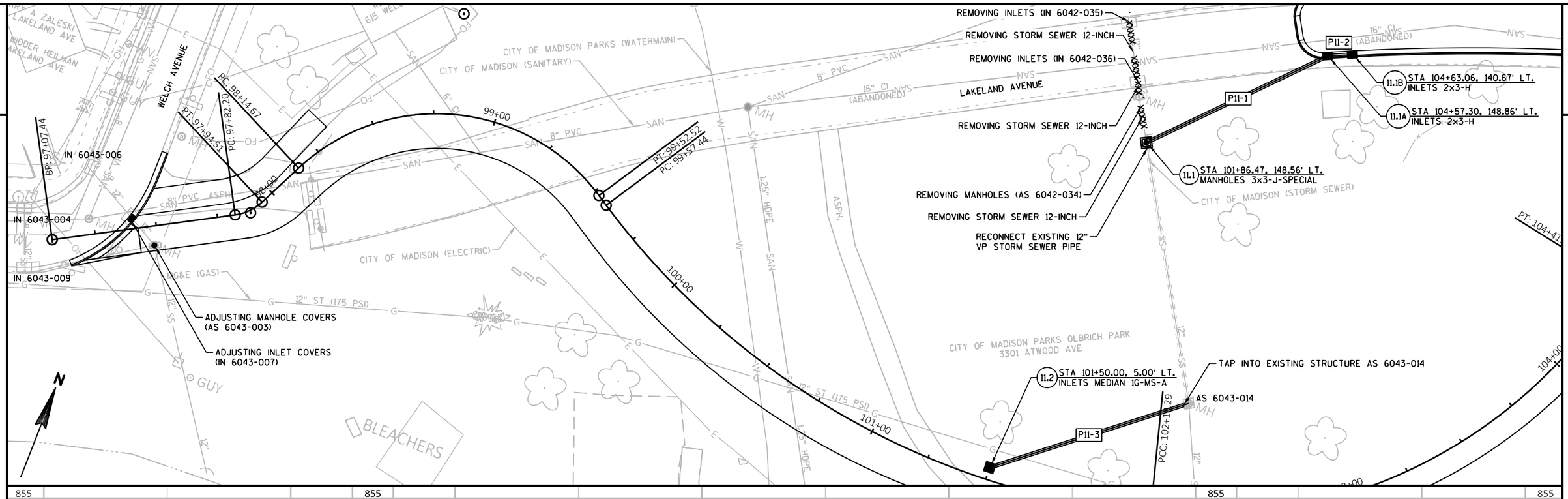
AS 6345-012
Rim = 861.97

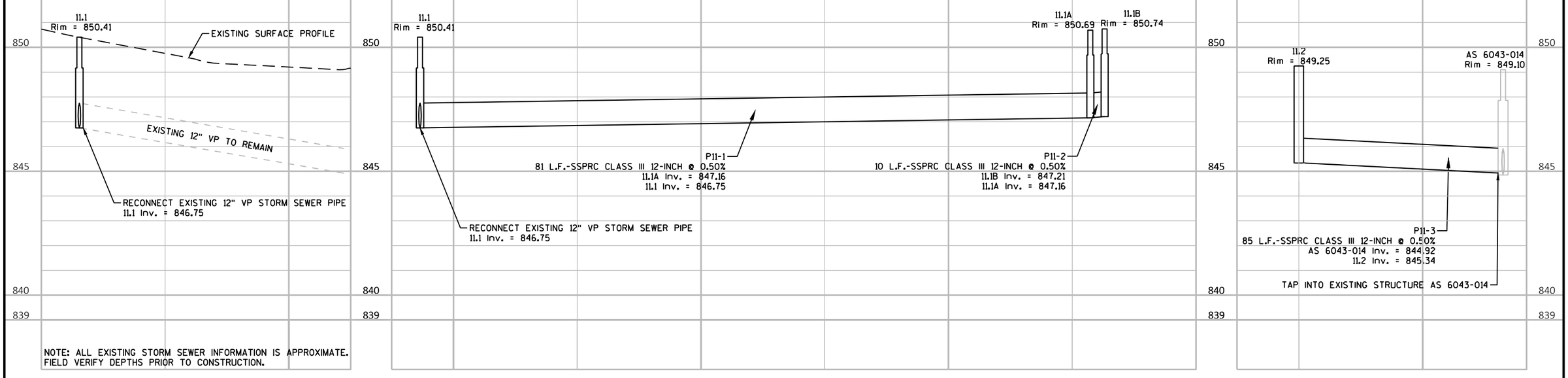
EX. P10-1
EXISTING 12" RCP
TO REMAIN

RECONNECT EXISTING 12" RCP STORM SEWER PIPE
10.1 Inv. = 858.68

NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE.
FIELD VERIFY DEPTHS PRIOR TO CONSTRUCTION.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STORM SEWER	SHEET 112	E

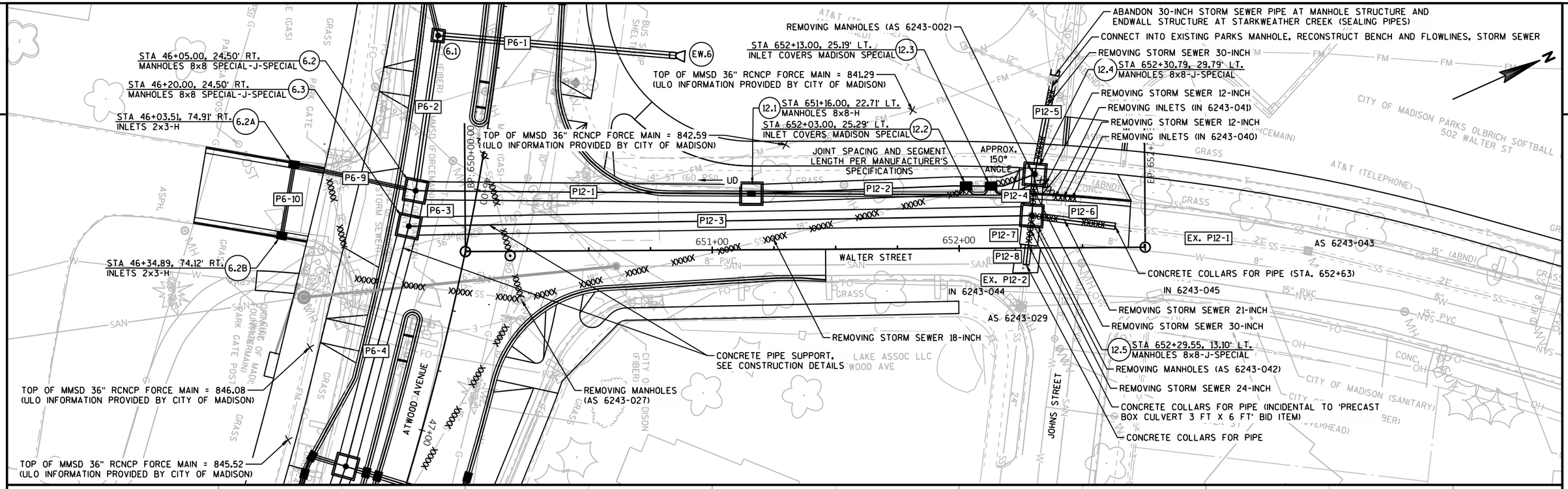


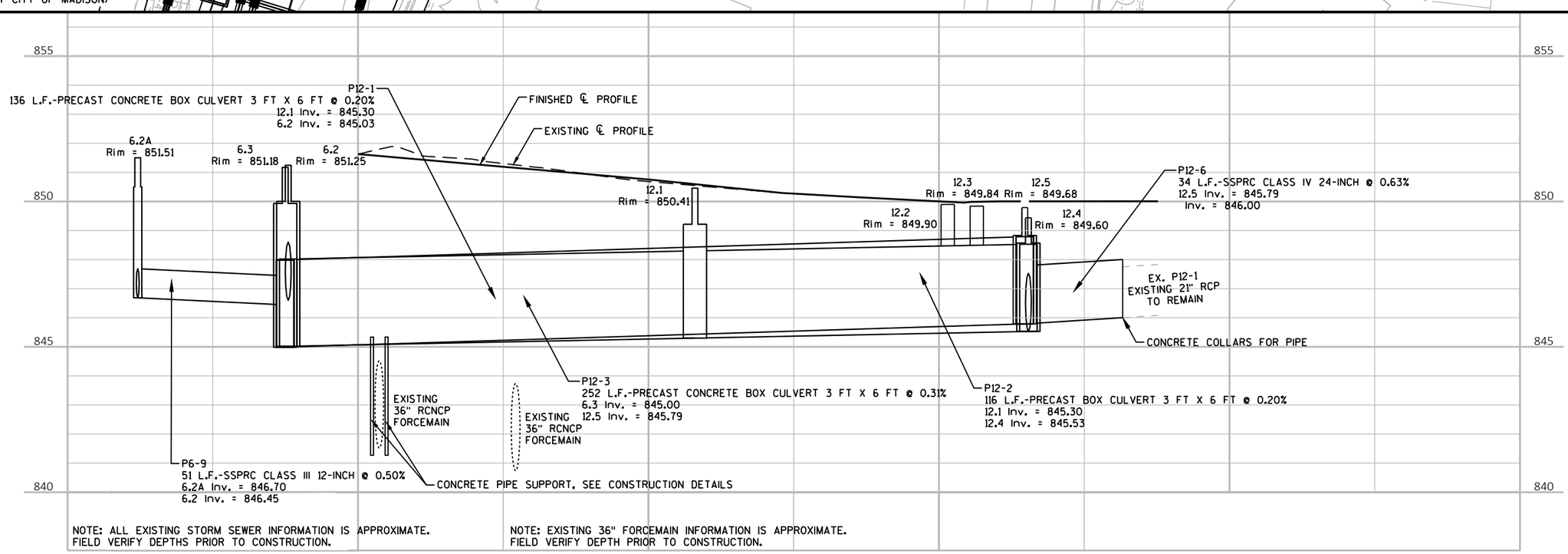


NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE. FIELD VERIFY DEPTHS PRIOR TO CONSTRUCTION.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STORM SEWER	SHEET 113	E

FILE NAME : P:\370S\373\00373071\CADD\DESIGN\PIPENETWORKS\STORM SEWER.DWG
LAYOUT NAME - 022511-ss
PLOT DATE : 9/12/2022 4:27 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

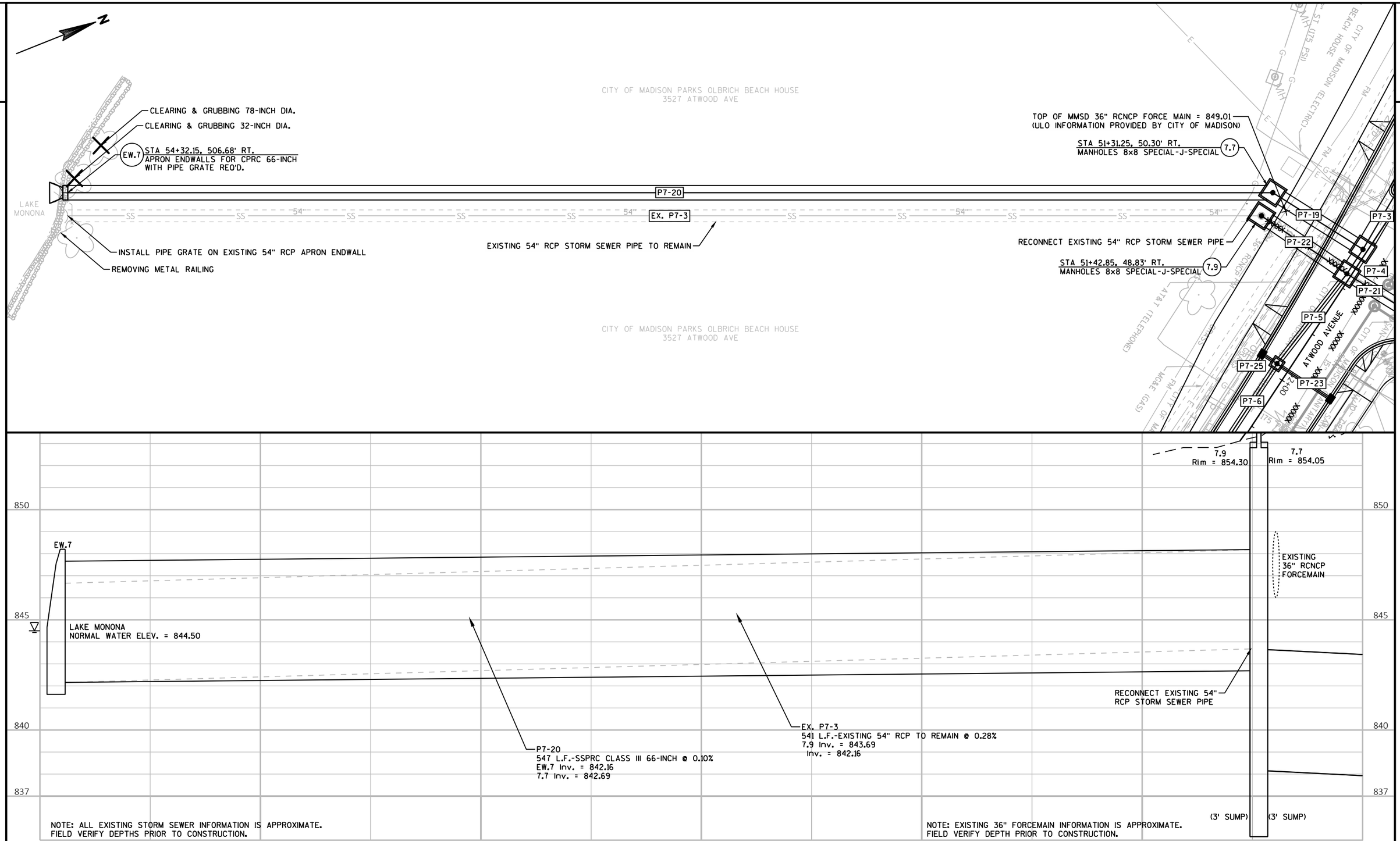




NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE.
FIELD VERIFY DEPTHS PRIOR TO CONSTRUCTION.

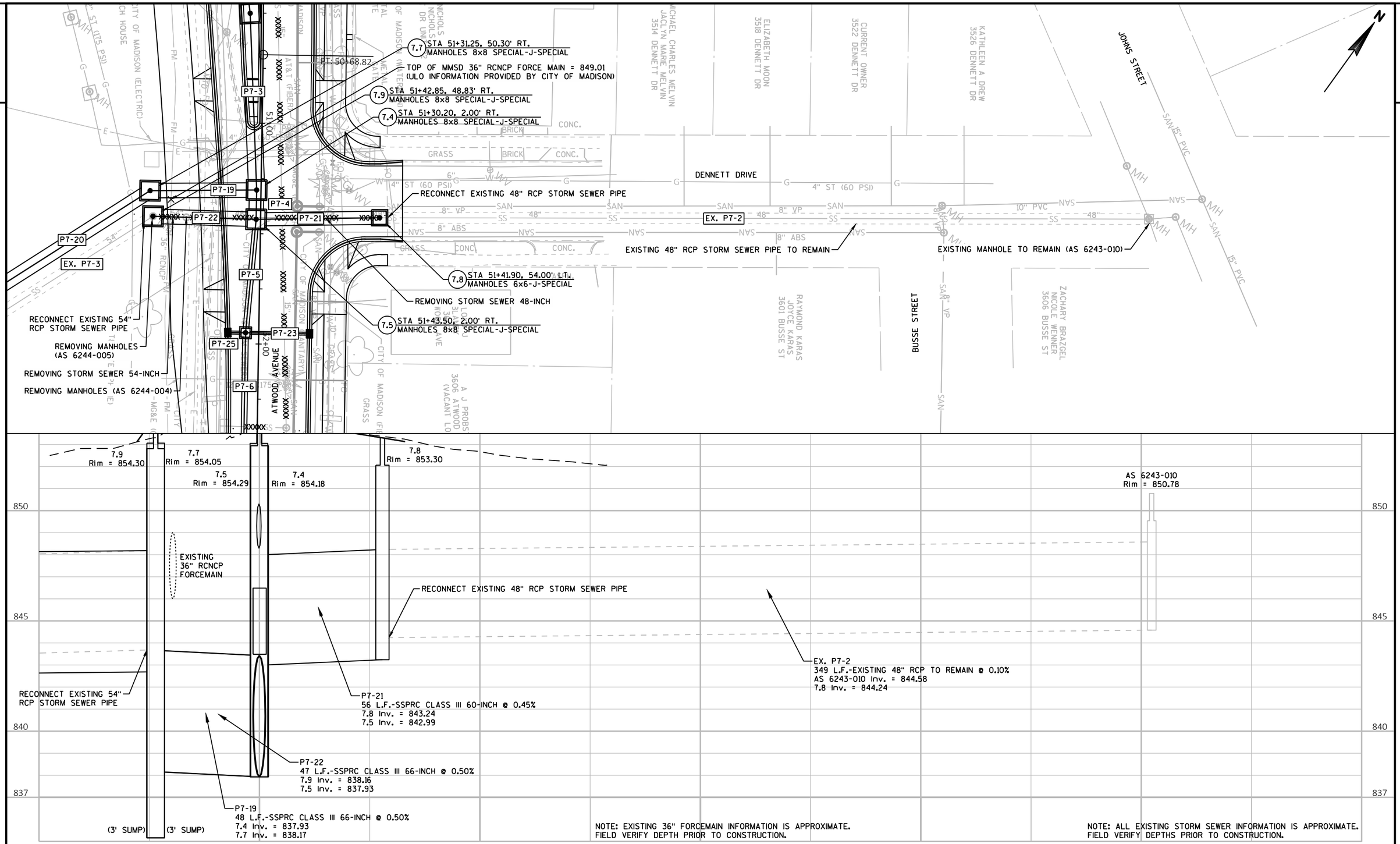
NOTE: EXISTING 36" FORCEMAIN INFORMATION IS APPROXIMATE.
FIELD VERIFY DEPTH PRIOR TO CONSTRUCTION.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STORM SEWER	SHEET 114	E

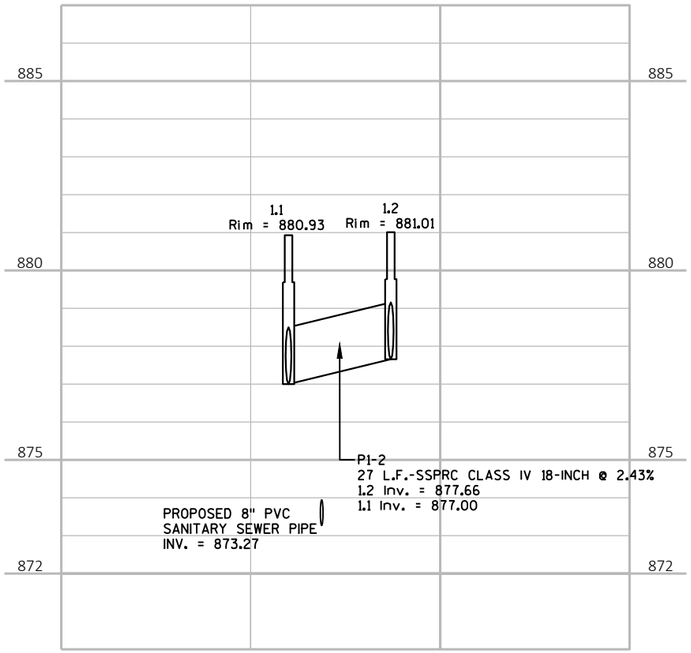


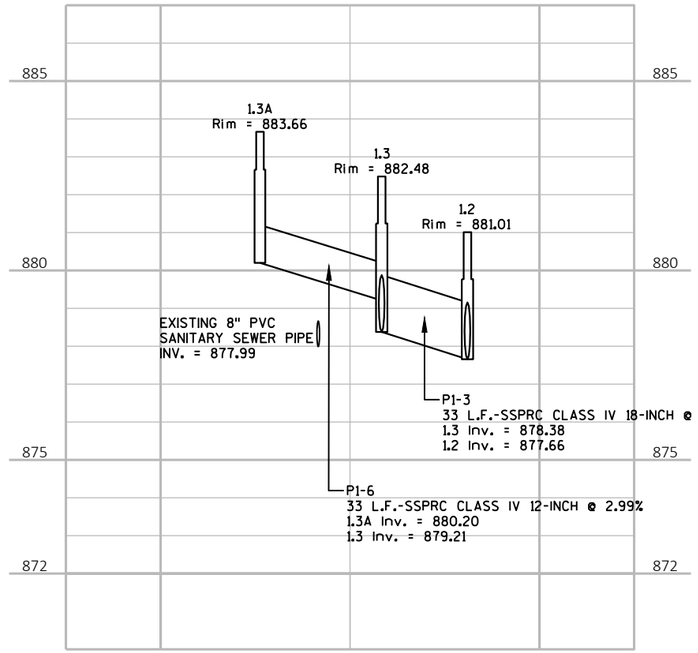
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STORM SEWER	SHEET 115	E

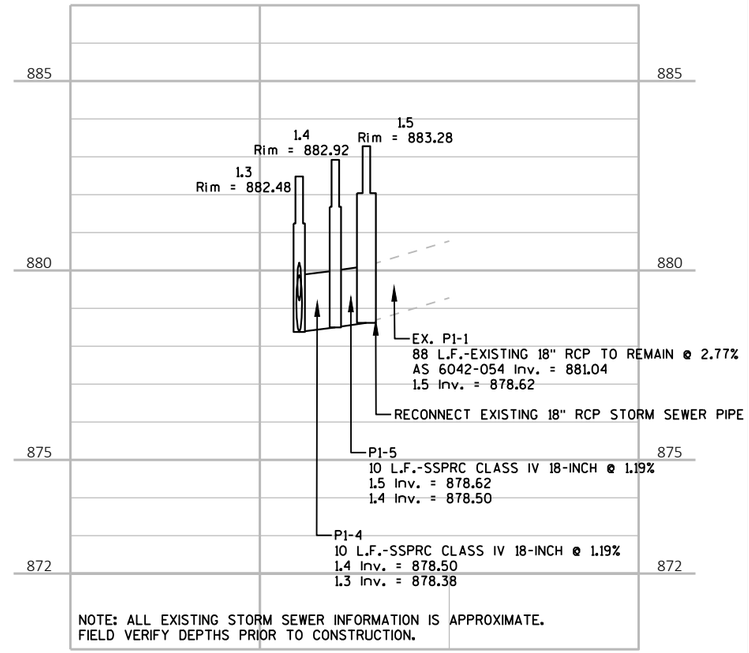
2

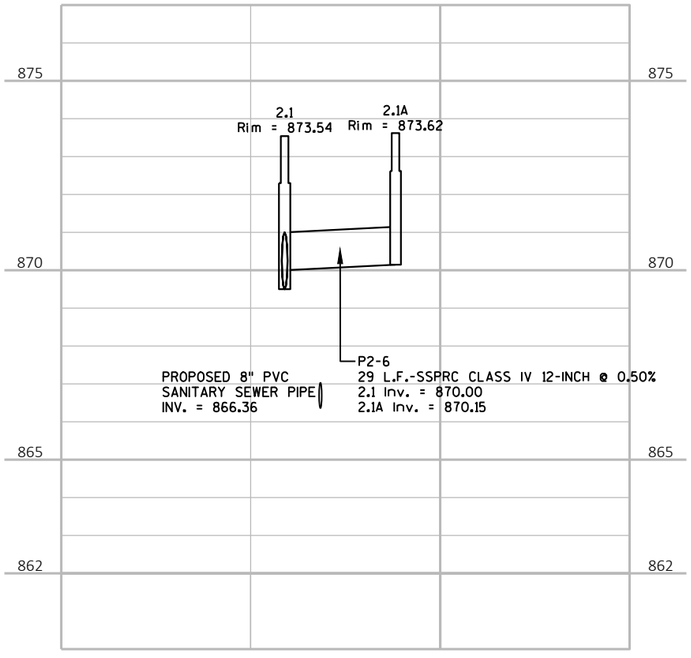


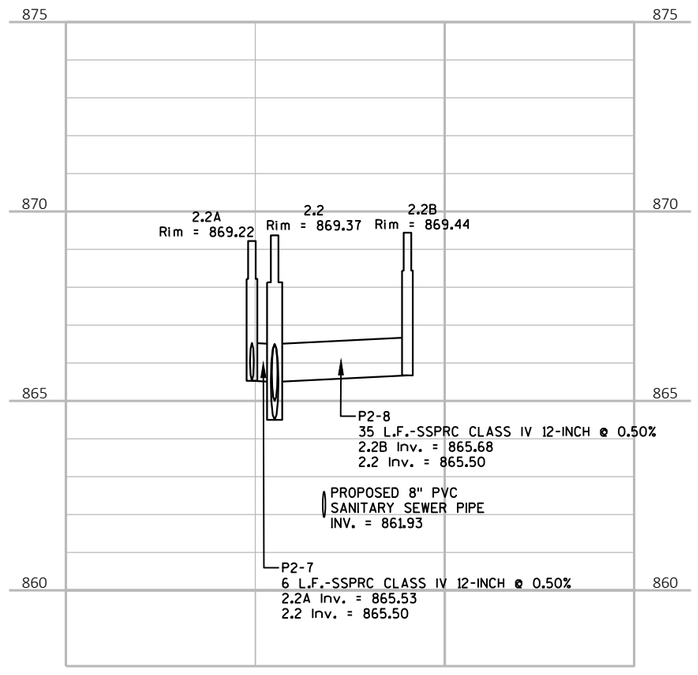
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STORM SEWER	SHEET 116	E

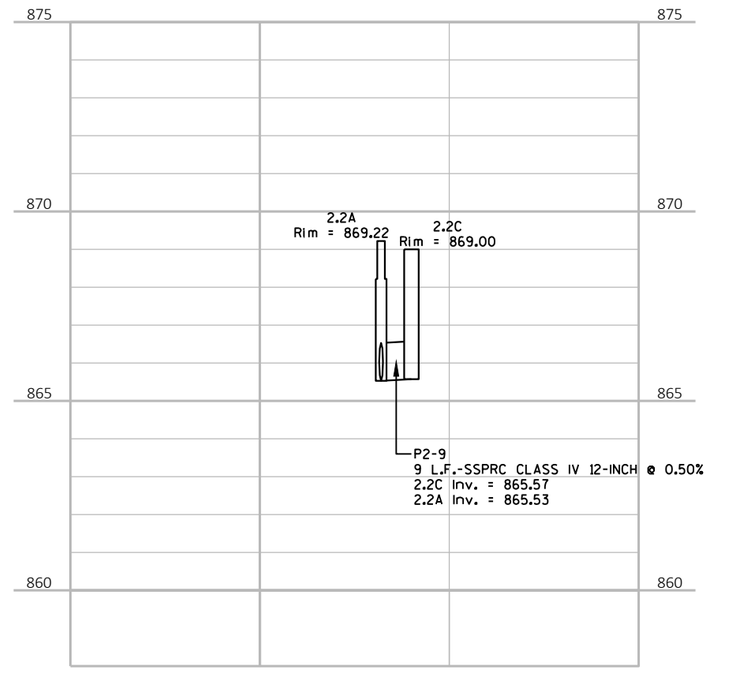

885
880
875
872
1.1
Rim = 880.93
1.2
Rim = 881.01
P1-2
27 L.F.-SSPRC CLASS IV 18-INCH @ 2.43%
1.2 Inv. = 877.66
1.1 Inv. = 877.00
PROPOSED 8" PVC
SANITARY SEWER PIPE
INV. = 873.27

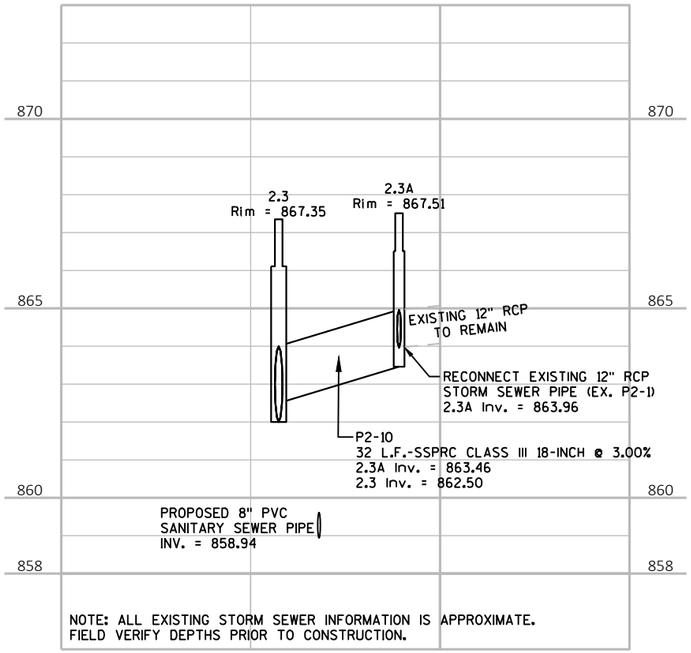

885
880
875
872
1.3A
Rim = 883.66
1.3
Rim = 882.48
1.2
Rim = 881.01
EXISTING 8" PVC
SANITARY SEWER PIPE
INV. = 877.99
P1-3
33 L.F.-SSPRC CLASS IV 18-INCH @ 2.21%
1.3 Inv. = 878.38
1.2 Inv. = 877.66
P1-6
33 L.F.-SSPRC CLASS IV 12-INCH @ 2.99%
1.3A Inv. = 880.20
1.3 Inv. = 879.21


885
880
875
872
1.4
Rim = 882.92
1.5
Rim = 883.28
1.3
Rim = 882.48
EX. P1-1
88 L.F.-EXISTING 18" RCP TO REMAIN @ 2.77%
AS 6042-054 Inv. = 881.04
1.5 Inv. = 878.62
RECONNECT EXISTING 18" RCP STORM SEWER PIPE
P1-5
10 L.F.-SSPRC CLASS IV 18-INCH @ 1.19%
1.5 Inv. = 878.62
1.4 Inv. = 878.50
P1-4
10 L.F.-SSPRC CLASS IV 18-INCH @ 1.19%
1.4 Inv. = 878.50
1.3 Inv. = 878.38
NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE.
FIELD VERIFY DEPTHS PRIOR TO CONSTRUCTION.

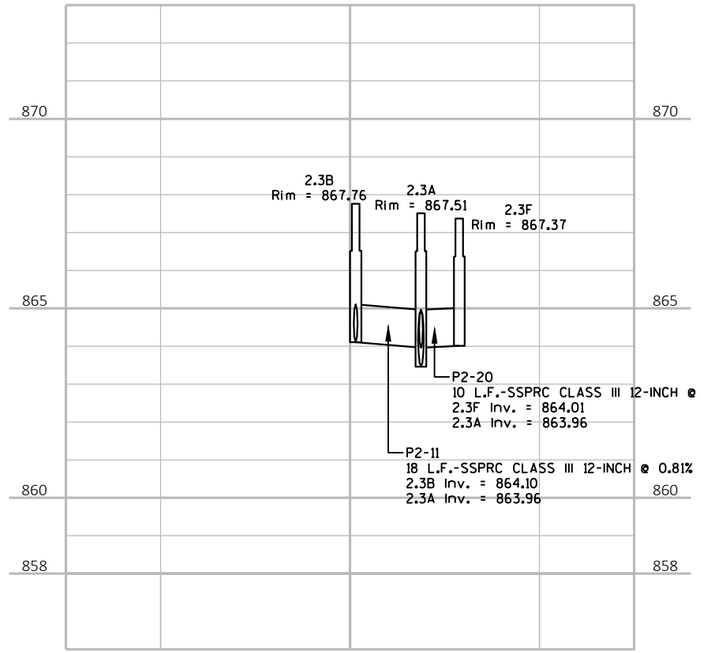

875
870
865
862
2.1
Rim = 873.54
2.1A
Rim = 873.62
P2-6
29 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
2.1 Inv. = 870.00
2.1A Inv. = 870.15
PROPOSED 8" PVC
SANITARY SEWER PIPE
INV. = 866.36

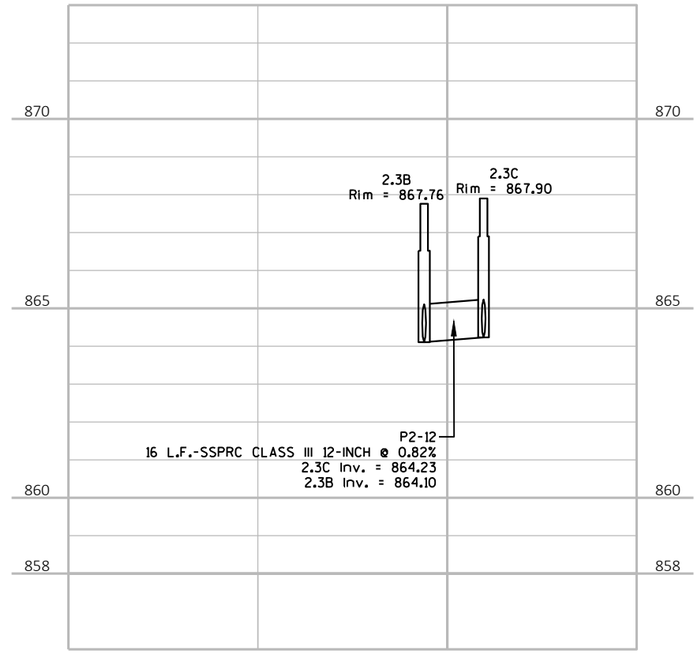

875
870
865
860
2.2A
Rim = 869.22
2.2
Rim = 869.37
2.2B
Rim = 869.44
P2-8
35 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
2.2B Inv. = 865.68
2.2 Inv. = 865.50
PROPOSED 8" PVC
SANITARY SEWER PIPE
INV. = 861.93
P2-7
6 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
2.2A Inv. = 865.53
2.2 Inv. = 865.50

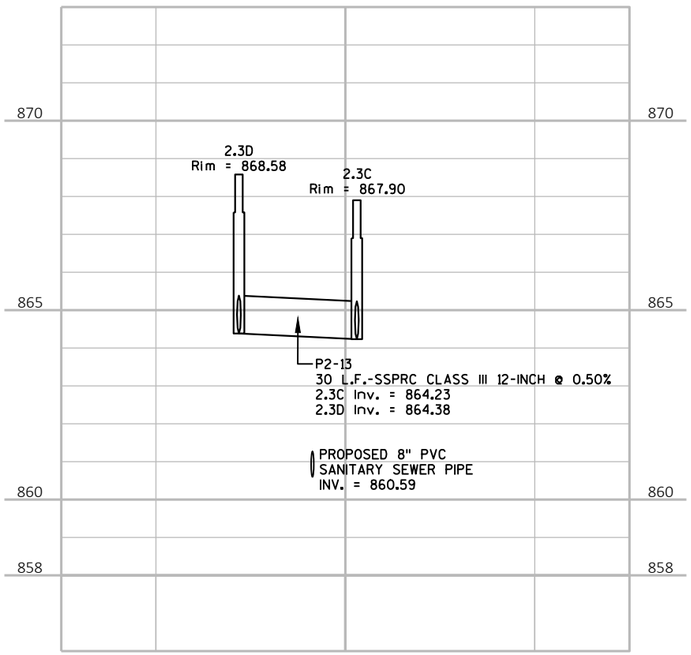

875
870
865
860
2.2A
Rim = 869.22
2.2C
Rim = 869.00
P2-9
9 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
2.2C Inv. = 865.57
2.2A Inv. = 865.53

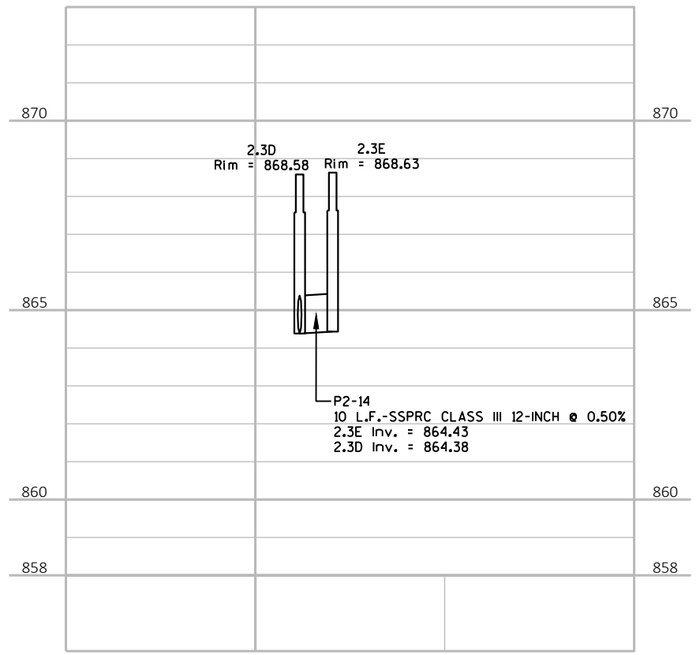


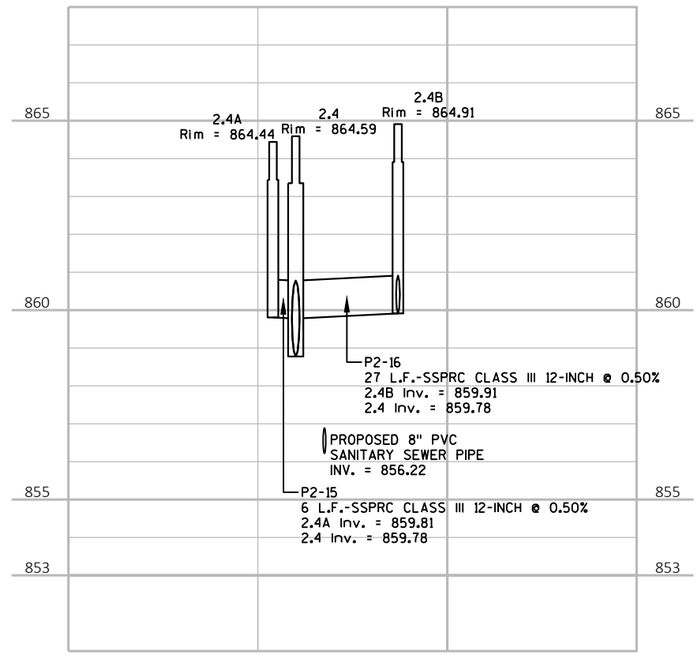
NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE.
FIELD VERIFY DEPTHS PRIOR TO CONSTRUCTION.



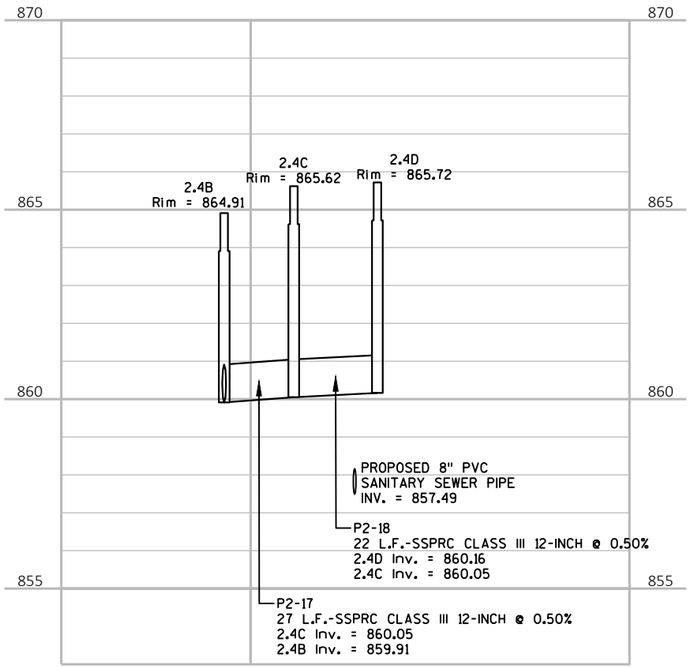


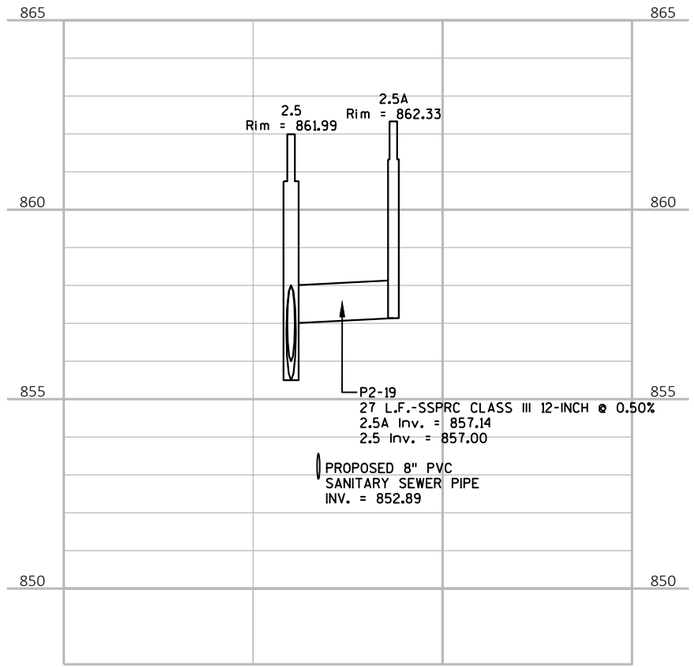


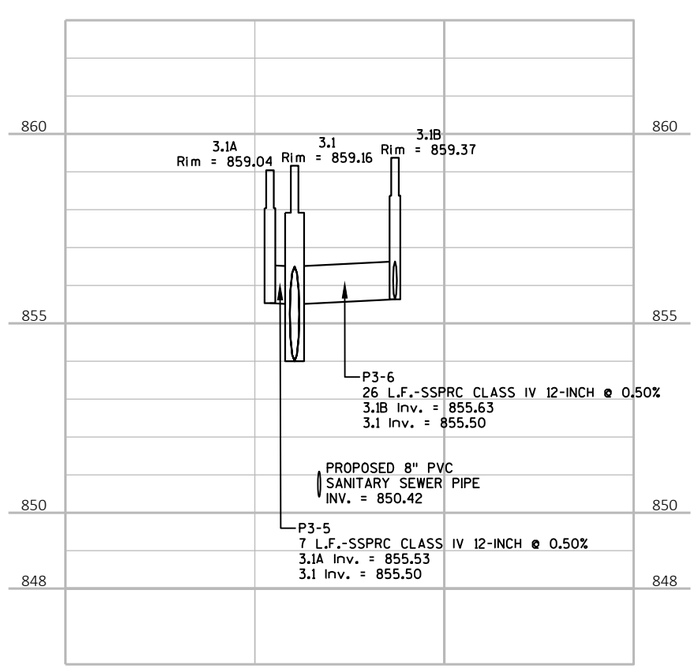


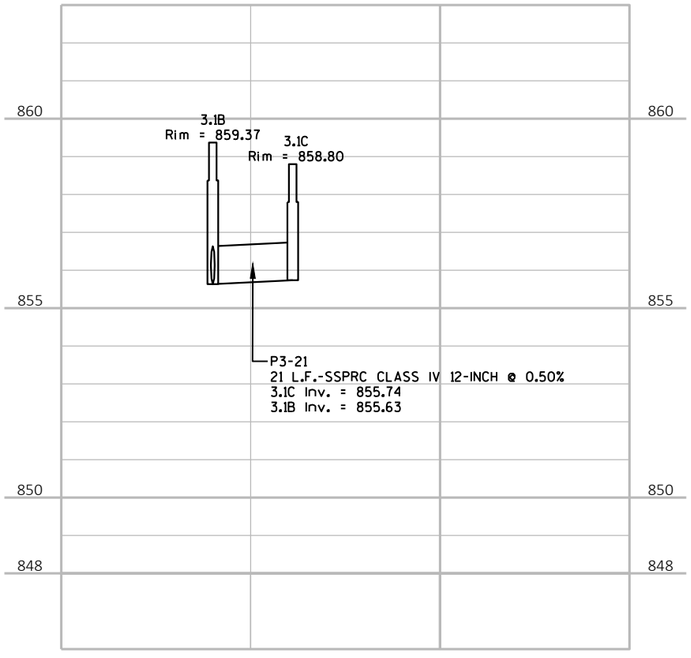


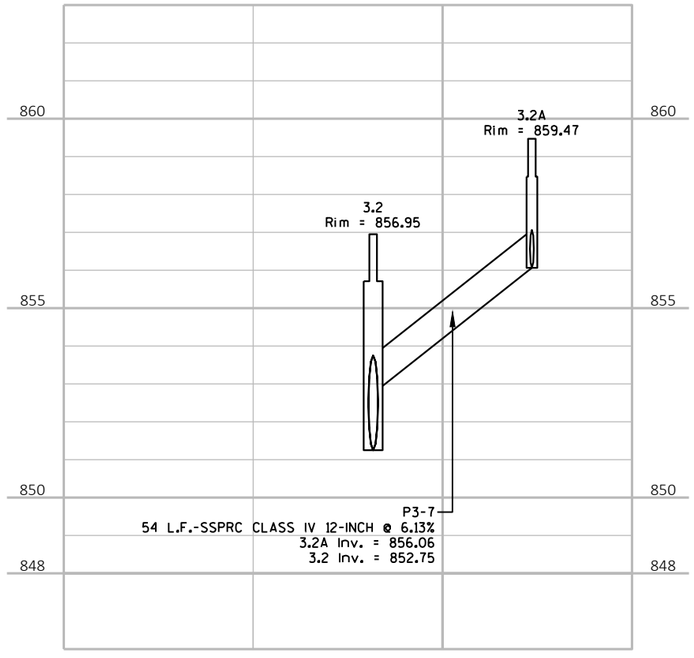
BORING #2
GROUNDWATER ELEV. = 850.25

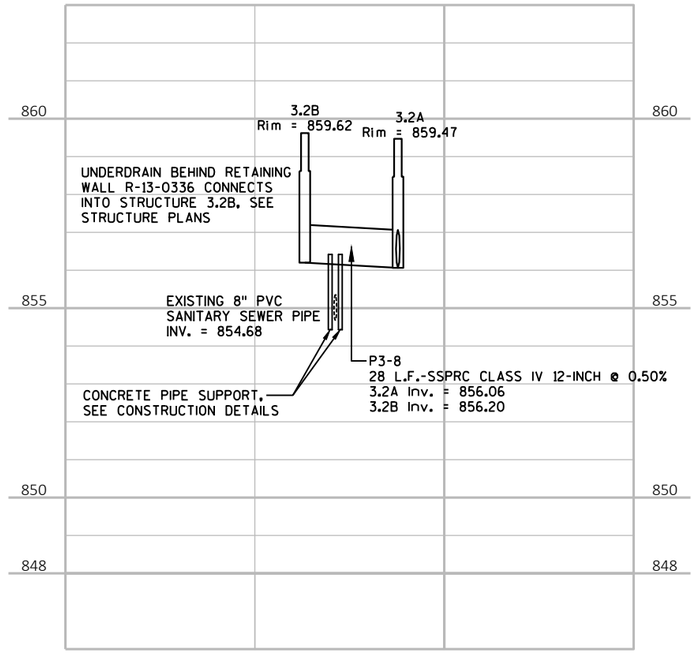

870
865
860
855
2.4B
Rim = 864.91
2.4C
Rim = 865.62
2.4D
Rim = 865.72
PROPOSED 8" PVC
SANITARY SEWER PIPE
INV. = 857.49
P2-18
22 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
2.4D Inv. = 860.16
2.4C Inv. = 860.05
P2-17
27 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
2.4C Inv. = 860.05
2.4B Inv. = 859.91

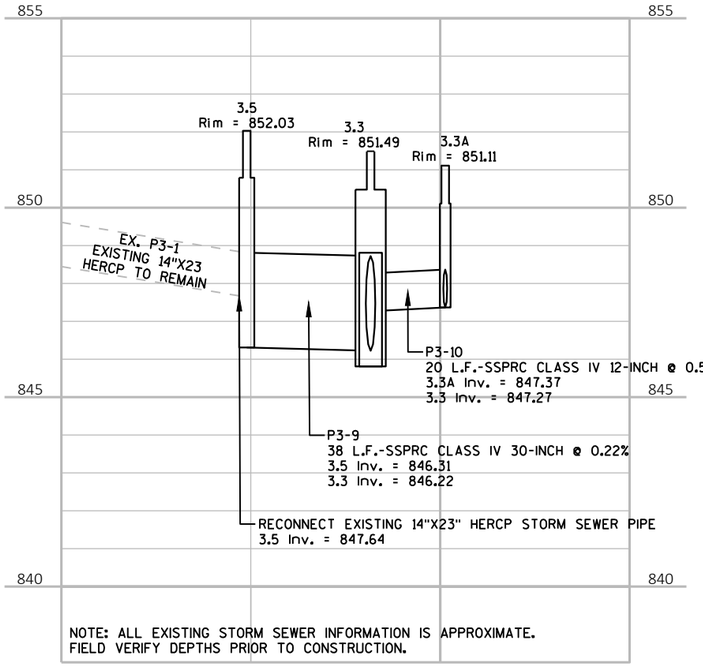

865
860
855
850
2.5
Rim = 861.99
2.5A
Rim = 862.33
P2-19
27 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
2.5A Inv. = 857.14
2.5 Inv. = 857.00
PROPOSED 8" PVC
SANITARY SEWER PIPE
INV. = 852.89

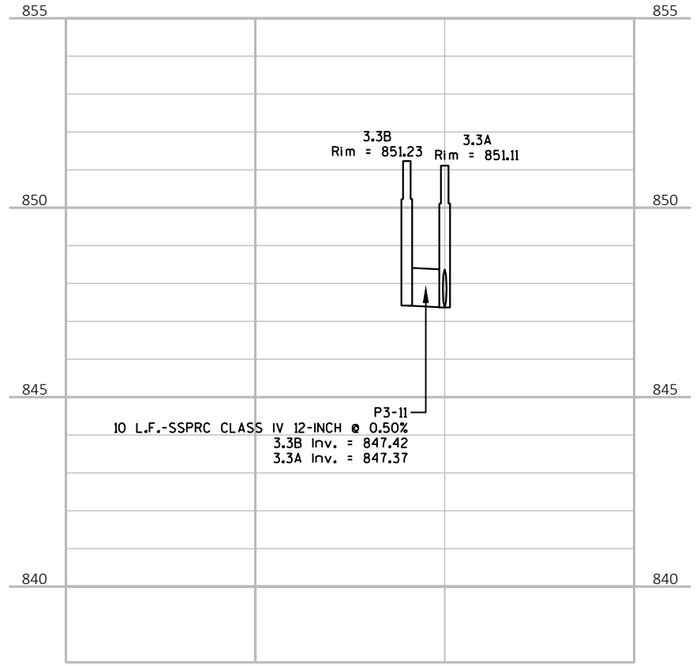

860
855
850
848
3.1A
Rim = 859.04
3.1
Rim = 859.16
3.1B
Rim = 859.37
P3-6
26 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
3.1B Inv. = 855.63
3.1 Inv. = 855.50
PROPOSED 8" PVC
SANITARY SEWER PIPE
INV. = 850.42
P3-5
7 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
3.1A Inv. = 855.53
3.1 Inv. = 855.50

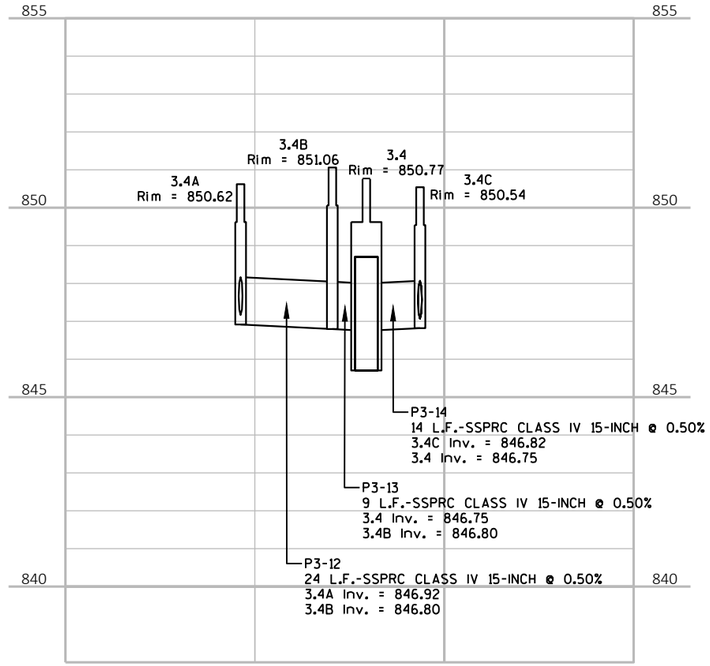

860
855
850
848
3.1B
Rim = 859.37
3.1C
Rim = 858.80
P3-21
21 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
3.1C Inv. = 855.74
3.1B Inv. = 855.63

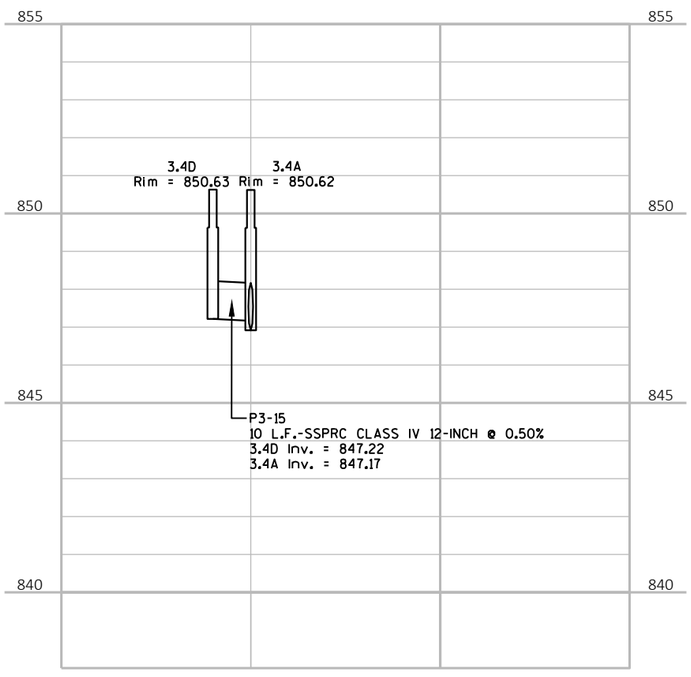

860
855
850
848
3.2A
Rim = 859.47
3.2
Rim = 856.95
P3-7
54 L.F.-SSPRC CLASS IV 12-INCH @ 6.13%
3.2A Inv. = 856.06
3.2 Inv. = 852.75

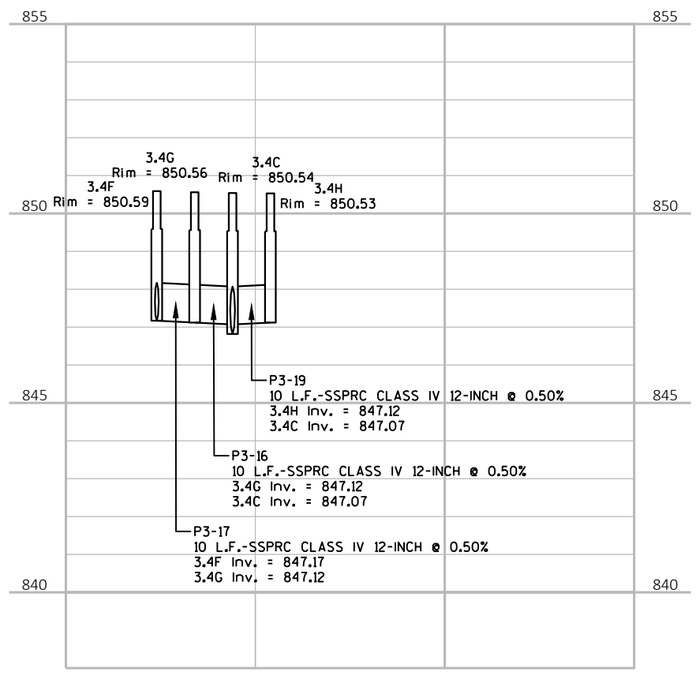

860
855
850
848
3.2B
Rim = 859.62
3.2A
Rim = 859.47
UNDERDRAIN BEHIND RETAINING
WALL R-13-0336 CONNECTS
INTO STRUCTURE 3.2B, SEE
STRUCTURE PLANS
EXISTING 8" PVC
SANITARY SEWER PIPE
INV. = 854.68
CONCRETE PIPE SUPPORT,
SEE CONSTRUCTION DETAILS
P3-8
28 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
3.2A Inv. = 856.06
3.2B Inv. = 856.20

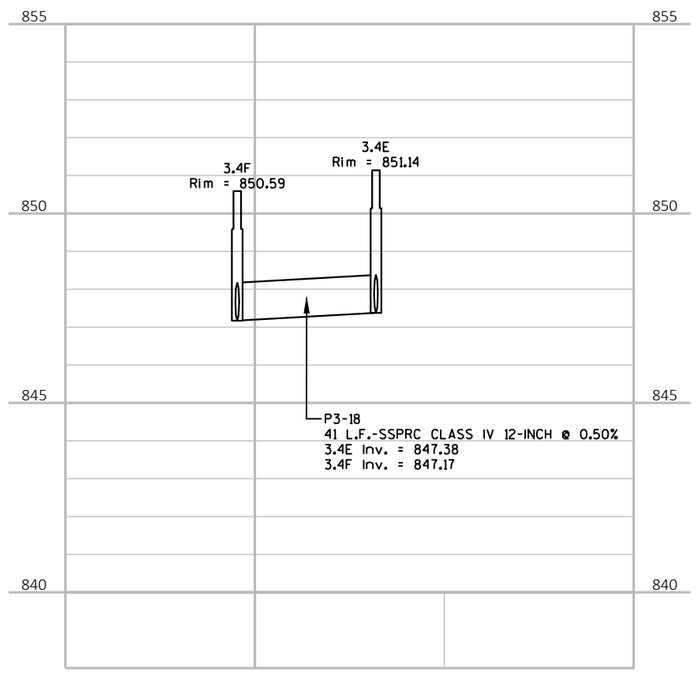








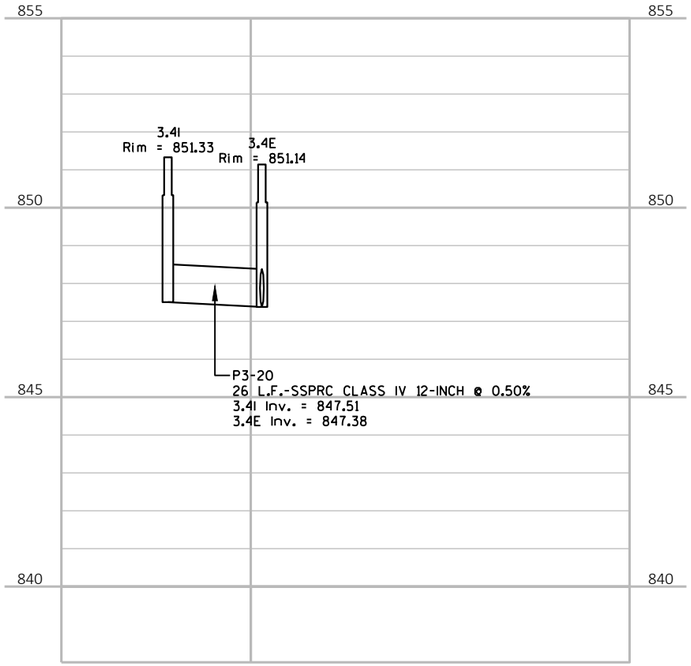


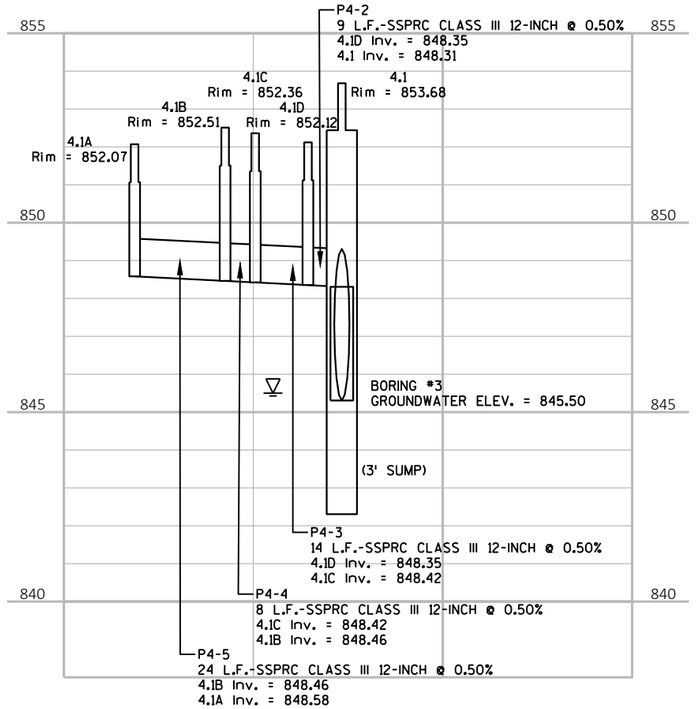


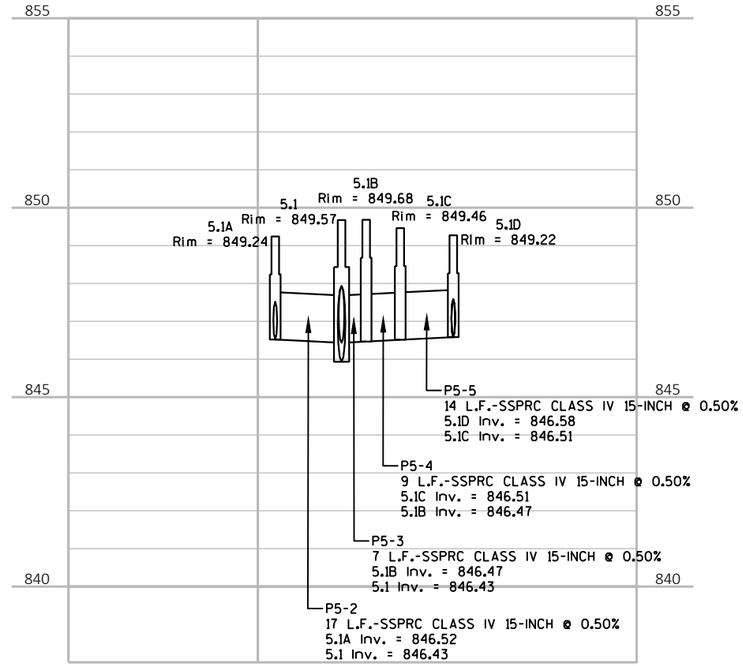
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STORM SEWER	SHEET 120	E

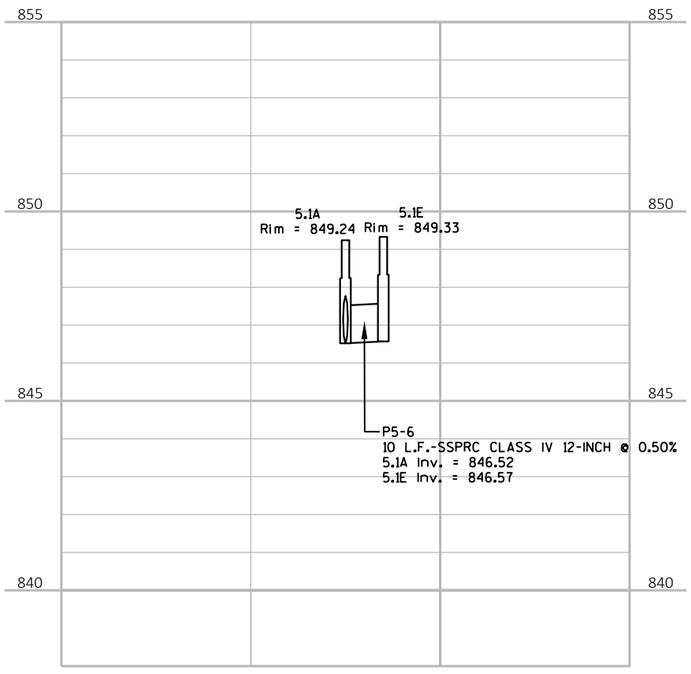
FILE NAME : P:\370S\373\00373071\CADD\DESIGN\PIPENETWORKS\STORM SEWER.DWG
LAYOUT NAME - 022518-ss

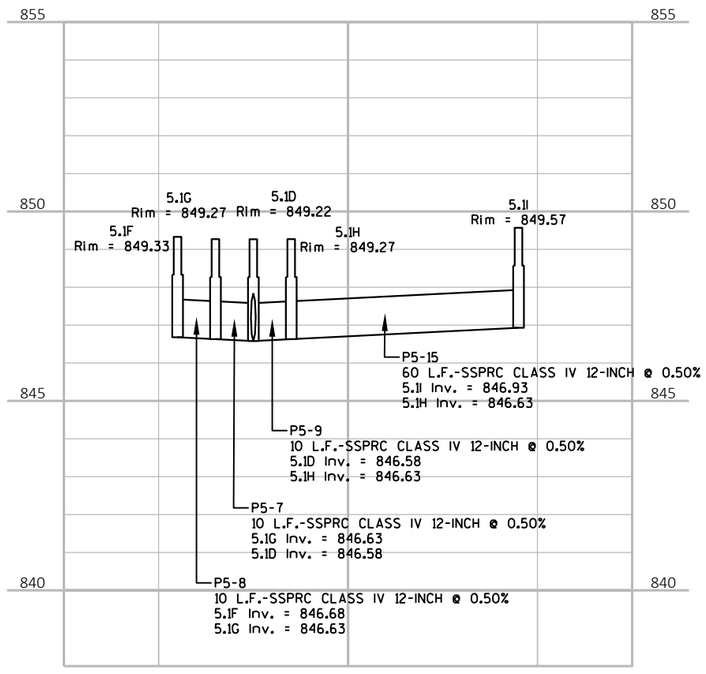
PLOT DATE : 9/12/2022 4:28 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

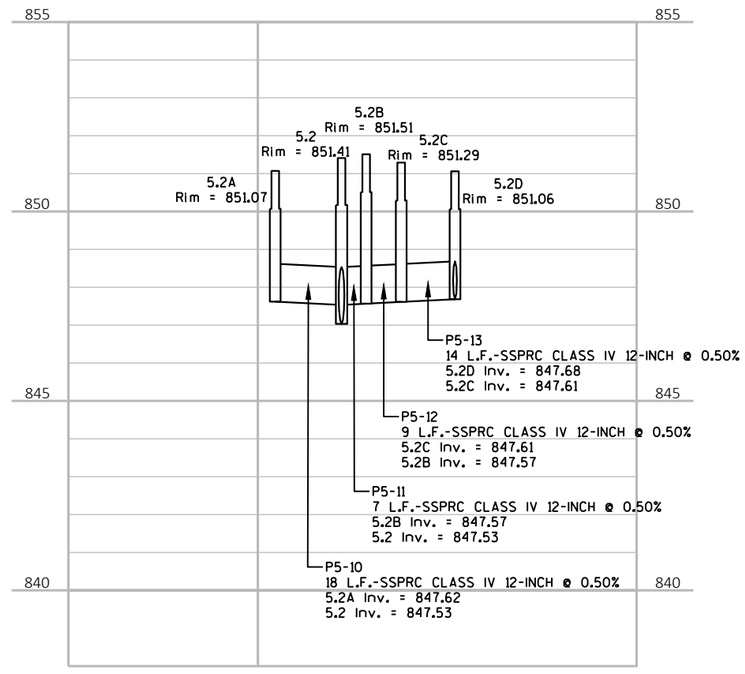








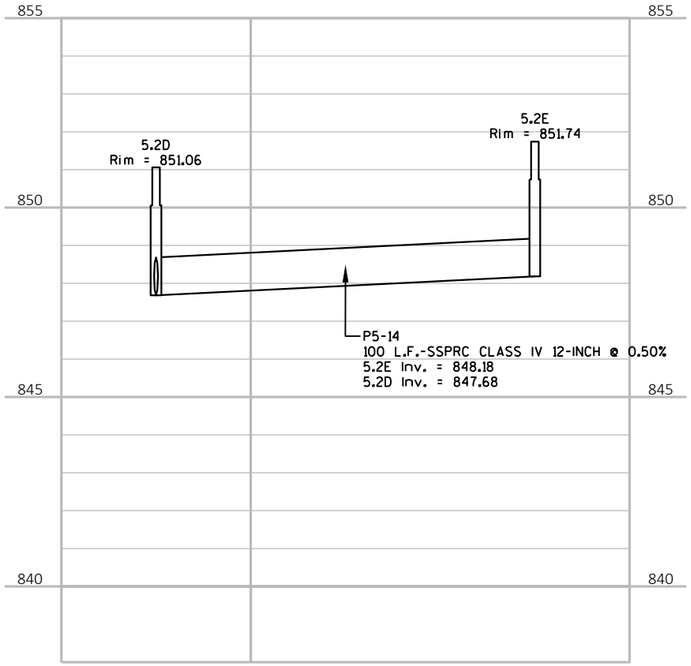


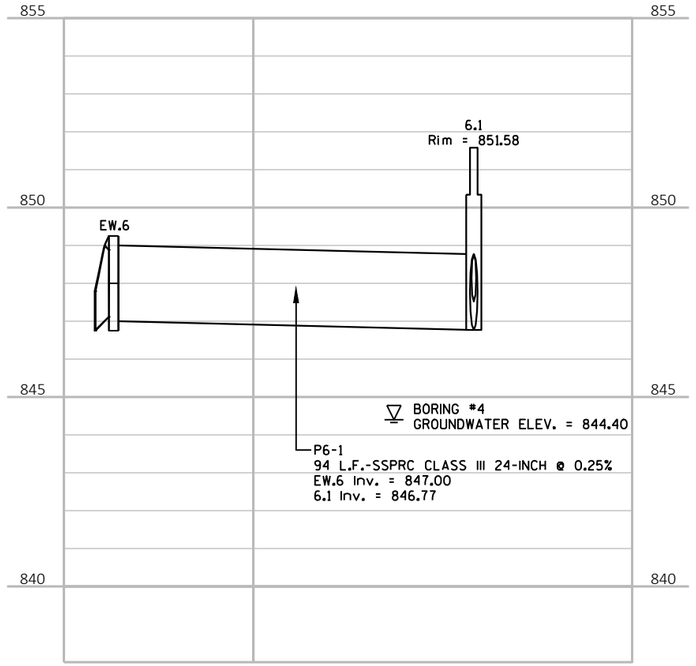


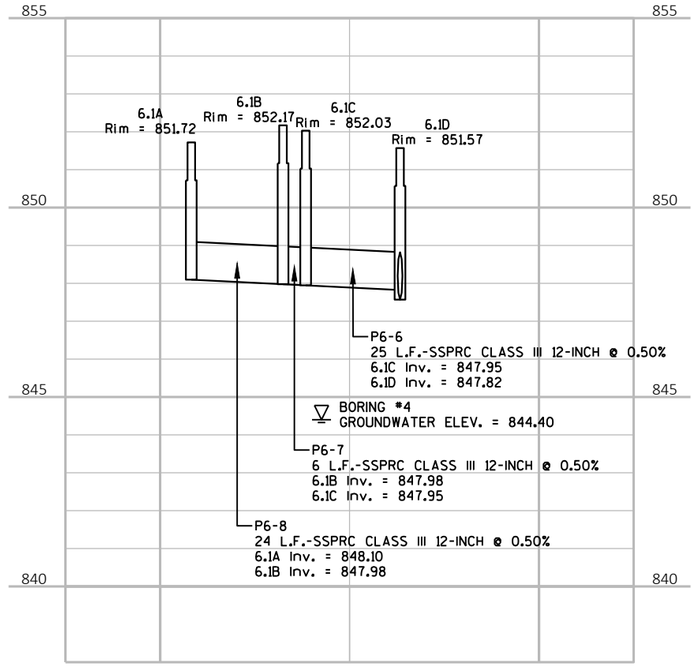
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STORM SEWER	SHEET 121	E

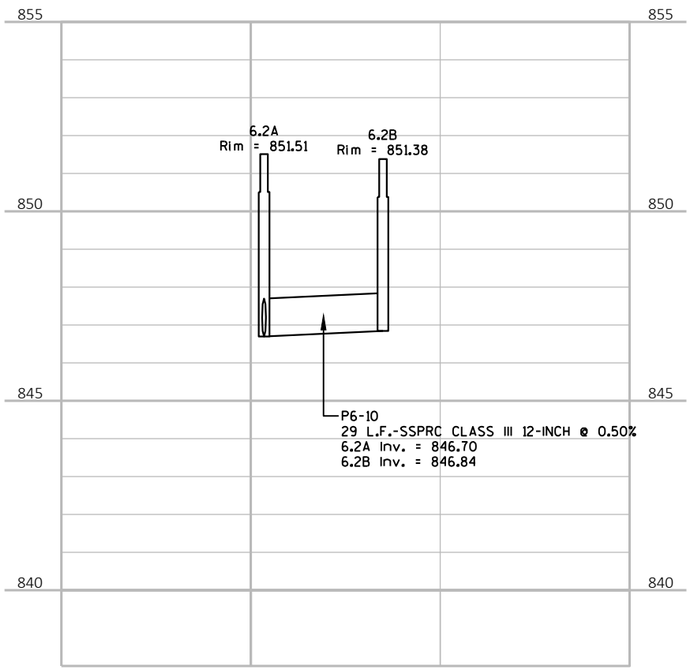
FILE NAME : P:\370S\373\00373071\CADD\DESIGN\PIPENETWORKS\STORM SEWER.DWG
LAYOUT NAME - 022519-ss

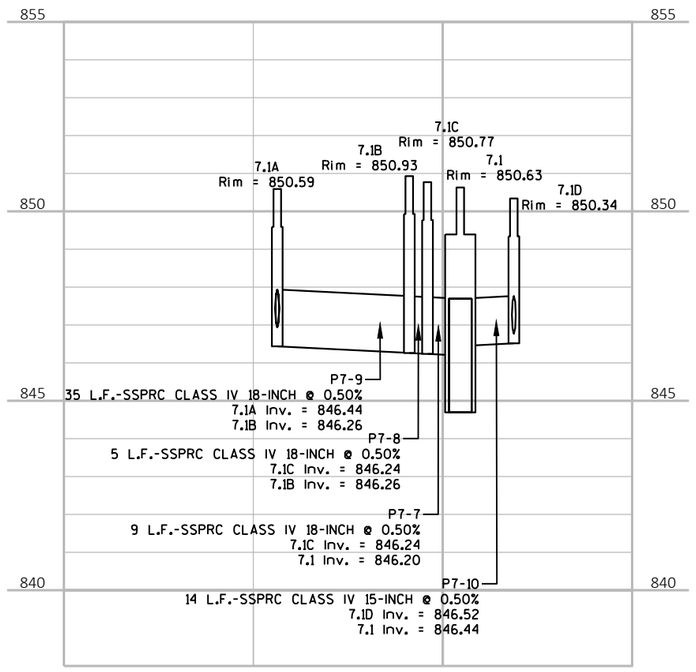
PLOT DATE : 9/12/2022 4:28 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

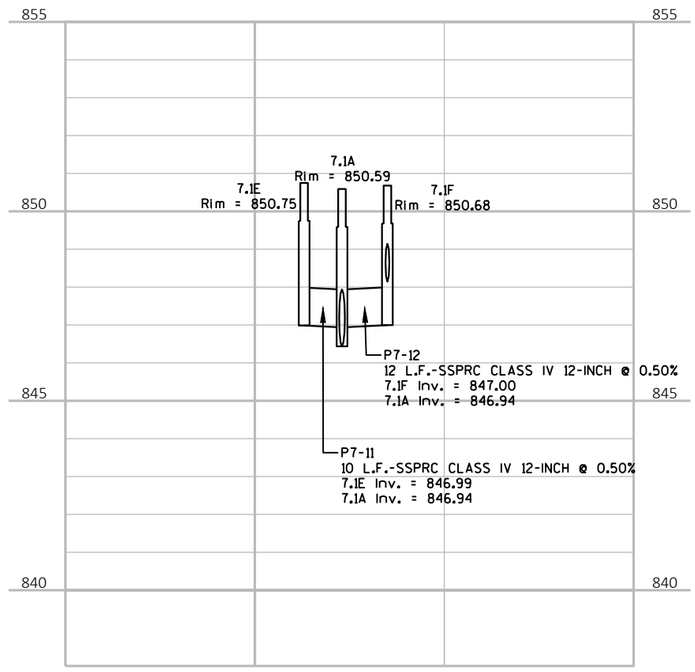

855
850
845
840
5.2D
Rim = 851.06
5.2E
Rim = 851.74
P5-14
100 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
5.2E Inv. = 848.18
5.2D Inv. = 847.68

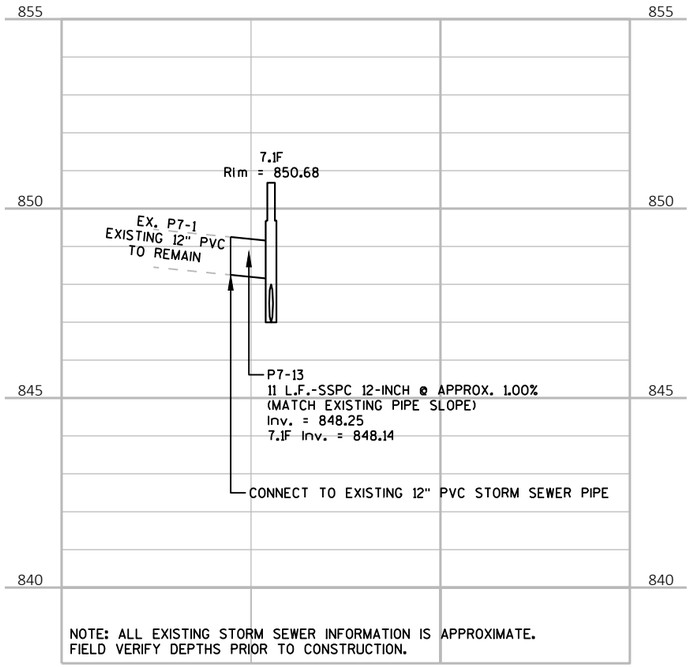

855
850
845
840
EW.6
6.1
Rim = 851.58
BORING #4
GROUNDWATER ELEV. = 844.40
P6-1
94 L.F.-SSPRC CLASS III 24-INCH @ 0.25%
EW.6 Inv. = 847.00
6.1 Inv. = 846.77

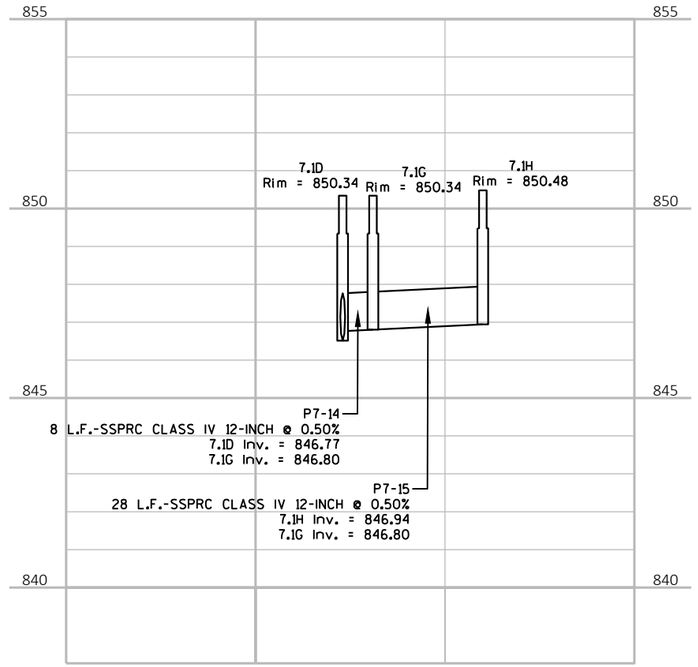

855
850
845
840
6.1A
Rim = 851.72
6.1B
Rim = 852.17
6.1C
Rim = 852.03
6.1D
Rim = 851.57
P6-6
25 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
6.1C Inv. = 847.95
6.1D Inv. = 847.82
BORING #4
GROUNDWATER ELEV. = 844.40
P6-7
6 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
6.1B Inv. = 847.98
6.1C Inv. = 847.95
P6-8
24 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
6.1A Inv. = 848.10
6.1B Inv. = 847.98

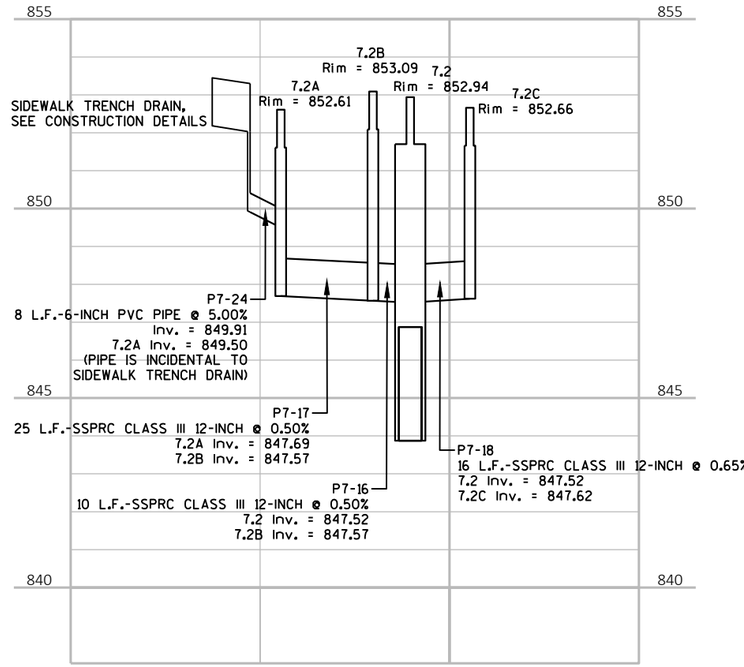

855
850
845
840
6.2A
Rim = 851.51
6.2B
Rim = 851.38
P6-10
29 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
6.2A Inv. = 846.70
6.2B Inv. = 846.84

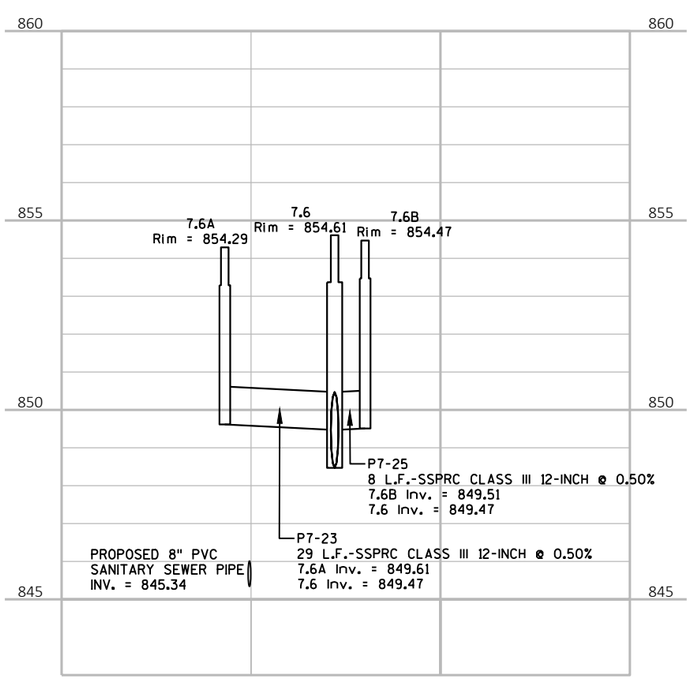

855
850
845
840
7.1C
Rim = 850.77
7.1B
Rim = 850.93
7.1A
Rim = 850.59
7.1
Rim = 850.63
7.1D
Rim = 850.34
P7-9
35 L.F.-SSPRC CLASS IV 18-INCH @ 0.50%
7.1A Inv. = 846.44
7.1B Inv. = 846.26
P7-8
5 L.F.-SSPRC CLASS IV 18-INCH @ 0.50%
7.1C Inv. = 846.24
7.1B Inv. = 846.26
P7-7
9 L.F.-SSPRC CLASS IV 18-INCH @ 0.50%
7.1C Inv. = 846.24
7.1 Inv. = 846.20
P7-10
14 L.F.-SSPRC CLASS IV 15-INCH @ 0.50%
7.1D Inv. = 846.52
7.1 Inv. = 846.44

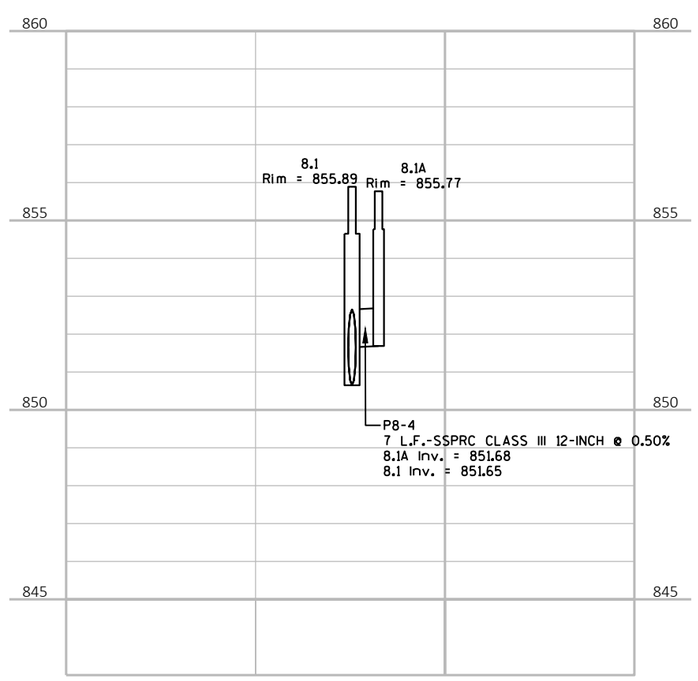

855
850
845
840
7.1A
Rim = 850.59
7.1E
Rim = 850.75
7.1F
Rim = 850.68
P7-12
12 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
7.1F Inv. = 847.00
7.1A Inv. = 846.94
P7-11
10 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
7.1E Inv. = 846.99
7.1A Inv. = 846.94

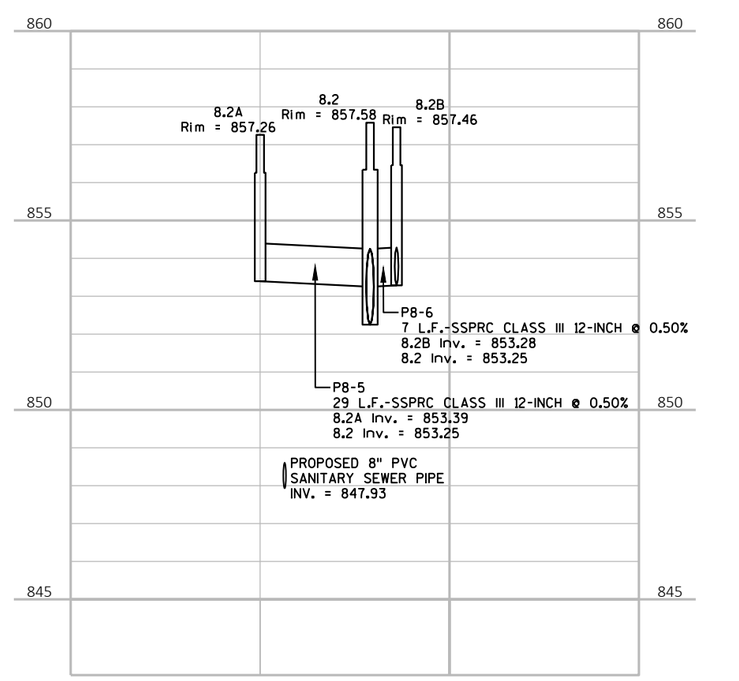

855
850
845
840
7.1F
Rim = 850.68
EX. P7-1
EXISTING 12" PVC
TO REMAIN
P7-13
11 L.F.-SSPC 12-INCH @ APPROX. 1.00%
(MATCH EXISTING PIPE SLOPE)
Inv. = 848.25
7.1F Inv. = 848.14
CONNECT TO EXISTING 12" PVC STORM SEWER PIPE
NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE.
FIELD VERIFY DEPTHS PRIOR TO CONSTRUCTION.

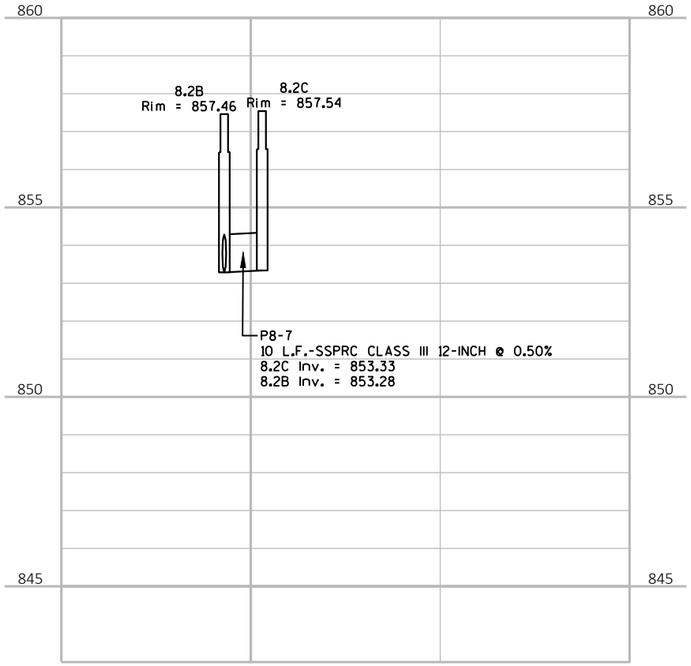

855
850
845
840
7.1D
Rim = 850.34
7.1G
Rim = 850.34
7.1H
Rim = 850.48
P7-14
8 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
7.1D Inv. = 846.77
7.1G Inv. = 846.80
P7-15
28 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
7.1H Inv. = 846.94
7.1G Inv. = 846.80

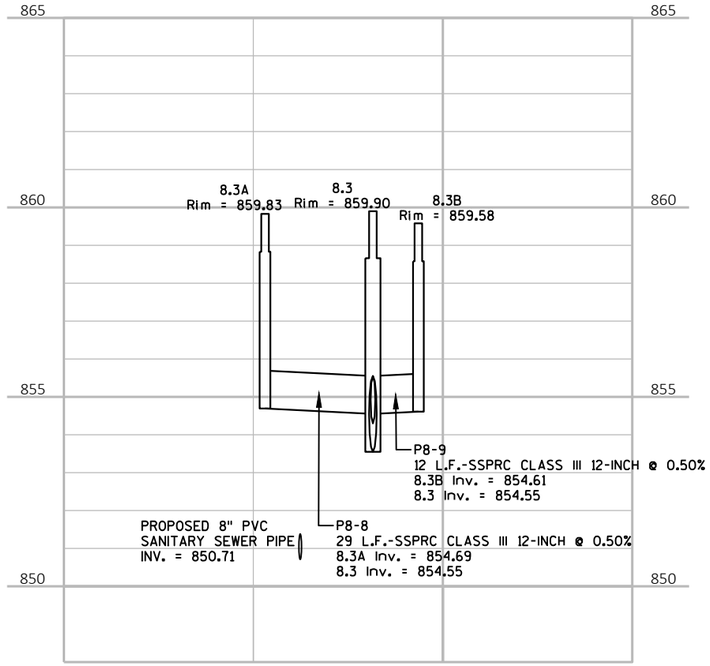

855
850
845
840
7.2B
Rim = 853.09
7.2
Rim = 852.94
7.2A
Rim = 852.61
7.2C
Rim = 852.66
SIDEWALK TRENCH DRAIN,
SEE CONSTRUCTION DETAILS
P7-24
8 L.F.-6-INCH PVC PIPE @ 5.00%
Inv. = 849.91
7.2A Inv. = 849.50
(PIPE IS INCIDENTAL TO
SIDEWALK TRENCH DRAIN)
P7-17
25 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
7.2A Inv. = 847.69
7.2B Inv. = 847.57
P7-16
10 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
7.2 Inv. = 847.52
7.2B Inv. = 847.57
P7-18
16 L.F.-SSPRC CLASS III 12-INCH @ 0.65%
7.2 Inv. = 847.52
7.2C Inv. = 847.62

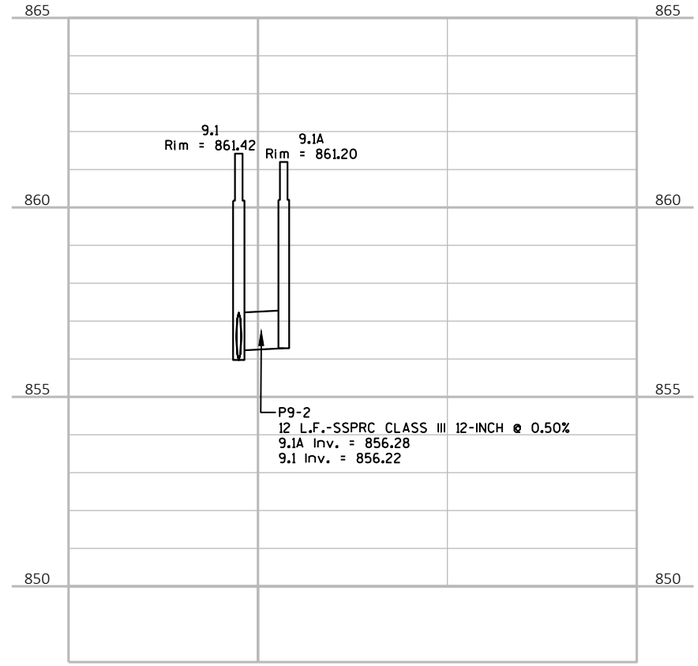

860
855
850
845
7.6A
Rim = 854.29
7.6
Rim = 854.61
7.6B
Rim = 854.47
P7-25
8 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
7.6B Inv. = 849.51
7.6 Inv. = 849.47
P7-23
29 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
7.6A Inv. = 849.61
7.6 Inv. = 849.47
PROPOSED 8" PVC
SANITARY SEWER PIPE
INV. = 845.34

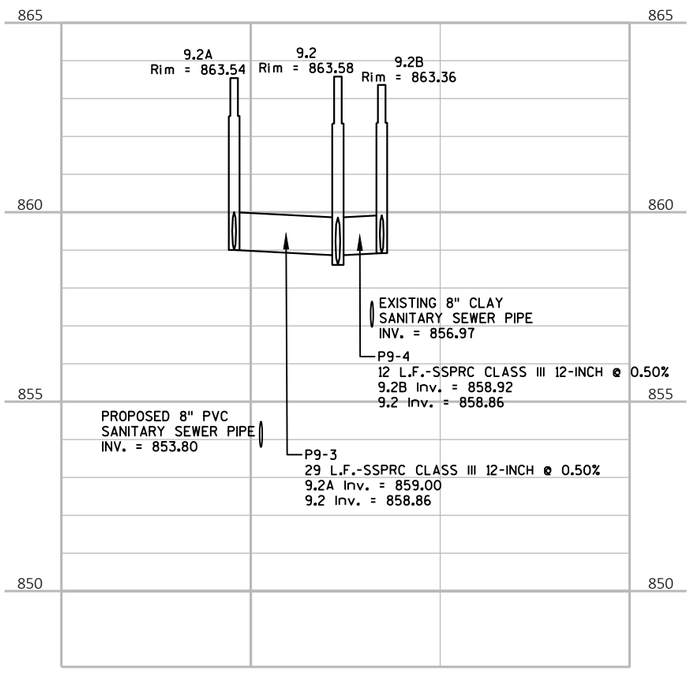

860
855
850
845
8.1
Rim = 855.89
8.1A
Rim = 855.77
P8-4
7 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
8.1A Inv. = 851.68
8.1 Inv. = 851.65

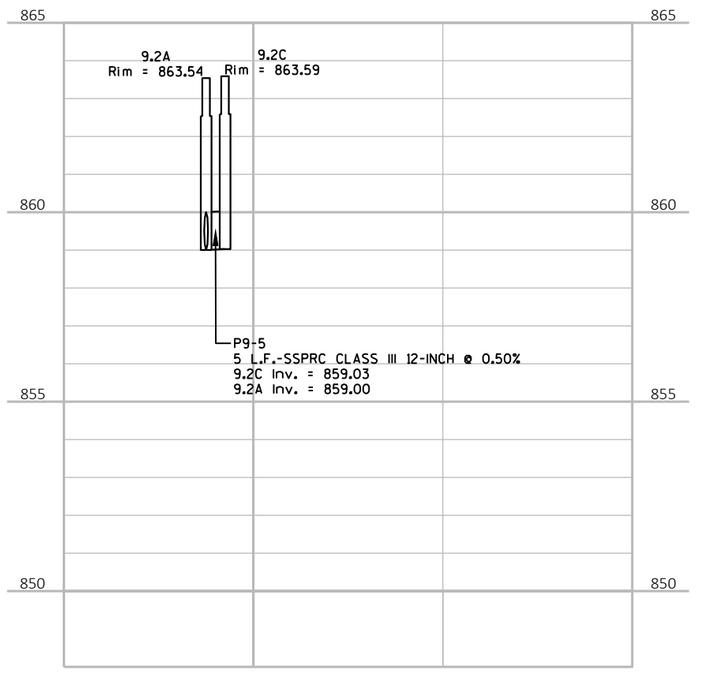

860
855
850
845
8.2A
Rim = 857.26
8.2
Rim = 857.58
8.2B
Rim = 857.46
P8-6
7 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
8.2B Inv. = 853.28
8.2 Inv. = 853.25
P8-5
29 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
8.2A Inv. = 853.39
8.2 Inv. = 853.25
PROPOSED 8" PVC
SANITARY SEWER PIPE
INV. = 847.93

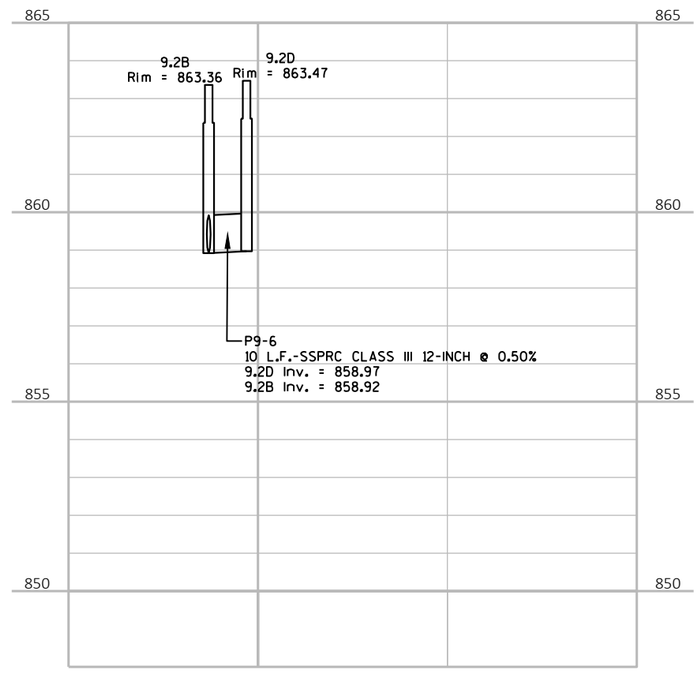

860
855
850
845
8.2B
Rim = 857.46
8.2C
Rim = 857.54
P8-7
10 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
8.2C Inv. = 853.33
8.2B Inv. = 853.28

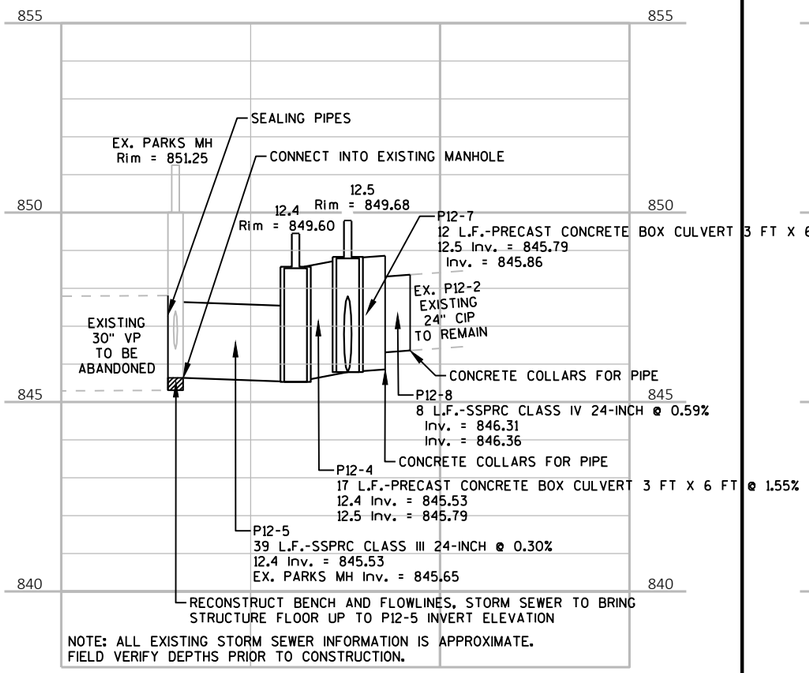

865
860
855
850
8.3A
Rim = 859.83
8.3
Rim = 859.90
8.3B
Rim = 859.58
P8-9
12 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
8.3B Inv. = 854.61
8.3 Inv. = 854.55
PROPOSED 8" PVC
SANITARY SEWER PIPE
INV. = 850.71
P8-8
29 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
8.3A Inv. = 854.69
8.3 Inv. = 854.55

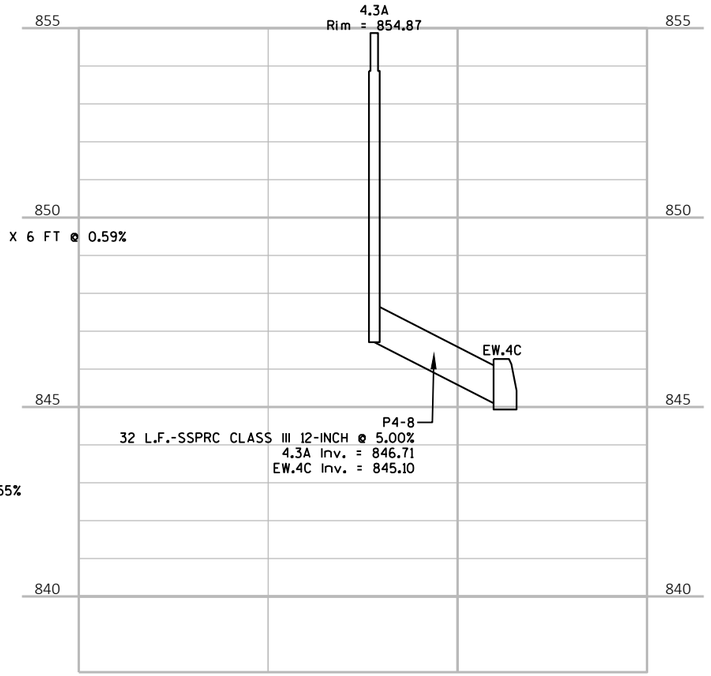

865
860
855
850
9.1
Rim = 861.42
9.1A
Rim = 861.20
P9-2
12 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
9.1A Inv. = 856.28
9.1 Inv. = 856.22

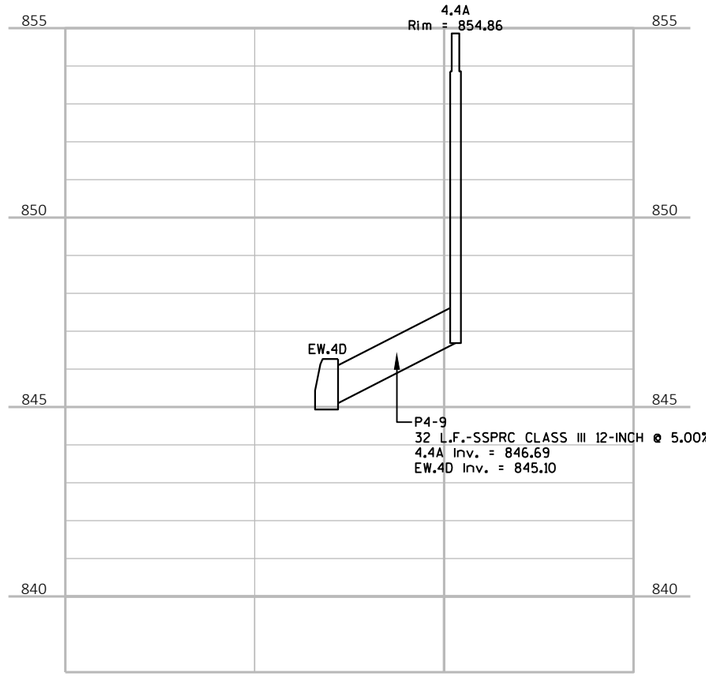

865
860
855
850
9.2A
Rim = 863.54
9.2
Rim = 863.58
9.2B
Rim = 863.36
EXISTING 8" CLAY
SANITARY SEWER PIPE
INV. = 856.97
P9-4
12 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
9.2B Inv. = 858.92
9.2 Inv. = 858.86
PROPOSED 8" PVC
SANITARY SEWER PIPE
INV. = 853.80
P9-3
29 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
9.2A Inv. = 859.00
9.2 Inv. = 858.86

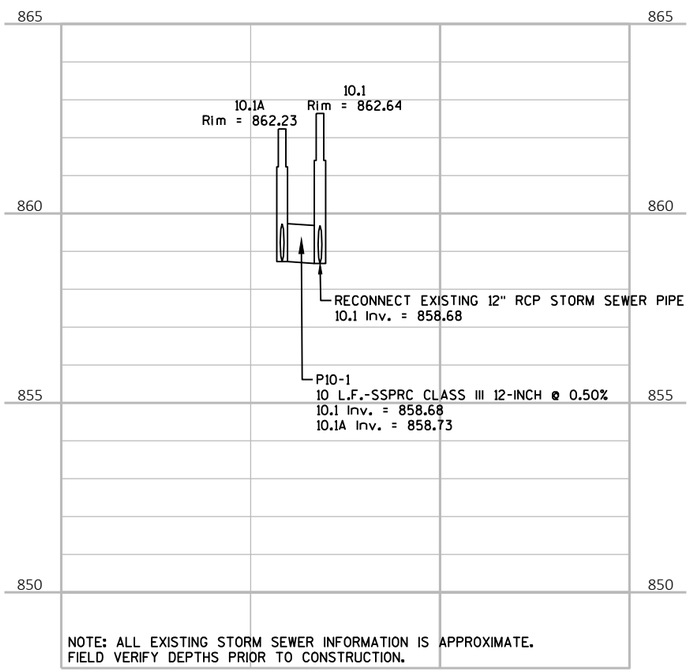

865
860
855
850
9.2A
Rim = 863.54
9.2C
Rim = 863.59
P9-5
5 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
9.2C Inv. = 859.03
9.2A Inv. = 859.00

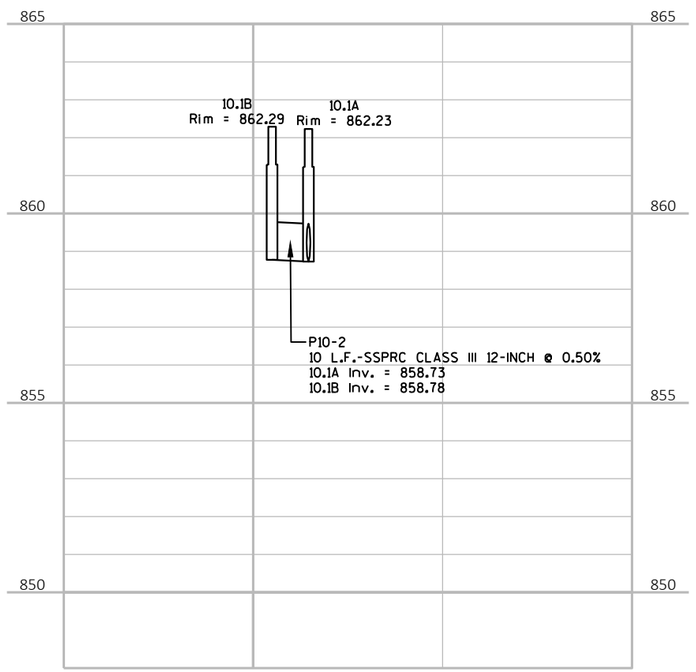

865
860
855
850
9.2B
Rim = 863.36
9.2D
Rim = 863.47
P9-6
10 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
9.2D Inv. = 858.97
9.2B Inv. = 858.92











PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STORM SEWER	SHEET 125	E

STORM SEWER PIPE SCHEDULE

PIPE NO.	DOWNSTREAM STRUCTURE	UPSTREAM STRUCTURE	PIPE LENGTH (FT)	DOWNSTREAM INVERT	UPSTREAM INVERT	PIPE SLOPE	PIPE SIZE	PIPE TYPE
P1-1	2.1	1.1	153	869.50	877.00	4.90%	18"	SSPRC Class IV
P1-2	1.1	1.2	27	877.00	877.66	2.43%	18"	SSPRC Class IV
P1-3	1.2	1.3	33	877.66	878.38	2.21%	18"	SSPRC Class IV
P1-4	1.3	1.4	10	878.38	878.50	1.19%	18"	SSPRC Class IV
P1-5	1.4	1.5	10	878.50	878.62	1.19%	18"	SSPRC Class IV
P1-6	1.3	1.3A	33	879.21	880.20	2.99%	12"	SSPRC Class IV
P2-1	2.2	2.1	98	865.00	869.50	4.61%	18"	SSPRC Class IV
P2-2	2.3	2.2	89	862.00	864.50	2.80%	24"	SSPRC Class IV
P2-3	2.4	2.3	172	858.78	862.00	1.87%	24"	SSPRC Class III
P2-4	2.5	2.4	147	856.00	858.78	1.89%	24"	SSPRC Class III
P2-5	3.1	2.5	100	854.00	855.50	1.50%	30"	SSPRC Class IV
P2-6	2.1	2.1A	29	870.00	870.15	0.50%	12"	SSPRC Class IV
P2-7	2.2	2.2A	6	865.50	865.53	0.50%	12"	SSPRC Class IV
P2-8	2.2	2.2B	35	865.50	865.68	0.50%	12"	SSPRC Class IV
P2-9	2.2A	2.2C	9	865.53	865.57	0.50%	12"	SSPRC Class IV
P2-10	2.3	2.3A	32	862.50	863.46	3.00%	18"	SSPRC Class III
P2-11	2.3A	2.3B	18	863.96	864.10	0.81%	12"	SSPRC Class III
P2-12	2.3B	2.3C	16	864.10	864.23	0.82%	12"	SSPRC Class III
P2-13	2.3C	2.3D	30	864.23	864.38	0.50%	12"	SSPRC Class III
P2-14	2.3D	2.3E	10	864.38	864.43	0.50%	12"	SSPRC Class III
P2-15	2.4	2.4A	6	859.78	859.81	0.50%	12"	SSPRC Class III
P2-16	2.4	2.4B	27	859.78	859.91	0.50%	12"	SSPRC Class III
P2-17	2.4B	2.4C	27	859.91	860.05	0.50%	12"	SSPRC Class III
P2-18	2.4C	2.4D	22	860.05	860.16	0.50%	12"	SSPRC Class III
P2-19	2.5	2.5A	27	857.00	857.14	0.50%	12"	SSPRC Class III
P2-20	2.3A	2.3F	10	863.96	864.01	0.50%	12"	SSPRC Class III
P3-1	3.2	3.1	84	851.25	854.00	3.27%	30"	SSPRC Class IV
P3-2	3.3	3.2	229	846.22	851.25	2.20%	30"	SSPRC Class IV
P3-3	3.4	3.3	97	845.70	845.81	0.11%	3'x6'	Precast Concrete Box Culvert
P3-4	4.1	3.4	305	845.31	845.70	0.13%	3'x6'	Precast Concrete Box Culvert
P3-5	3.1	3.1A	7	855.50	855.53	0.50%	12"	SSPRC Class IV
P3-6	3.1	3.1B	26	855.50	855.63	0.50%	12"	SSPRC Class IV
P3-7	3.2	3.2A	54	852.75	856.06	6.13%	12"	SSPRC Class IV
P3-8	3.2A	3.2B	28	856.06	856.20	0.50%	12"	SSPRC Class IV
P3-9	3.3	3.5	38	846.22	846.31	0.22%	30"	SSPRC Class IV
P3-10	3.3	3.3A	20	847.27	847.37	0.50%	12"	SSPRC Class IV
P3-11	3.3A	3.3B	10	847.37	847.42	0.50%	12"	SSPRC Class IV
P3-12	3.4B	3.4A	24	846.80	846.92	0.50%	15"	SSPRC Class IV
P3-13	3.4	3.4B	9	846.75	846.80	0.50%	15"	SSPRC Class IV
P3-14	3.4	3.4C	14	846.75	846.82	0.50%	15"	SSPRC Class IV
P3-15	3.4A	3.4D	10	847.17	847.22	0.50%	12"	SSPRC Class IV
P3-16	3.4C	3.4G	10	847.07	847.12	0.50%	12"	SSPRC Class IV
P3-17	3.4G	3.4F	10	847.12	847.17	0.50%	12"	SSPRC Class IV
P3-18	3.4F	3.4E	41	847.17	847.38	0.50%	12"	SSPRC Class IV
P3-19	3.4C	3.4H	10	847.07	847.12	0.50%	12"	SSPRC Class IV
P3-20	3.4E	3.4I	26	847.38	847.51	0.50%	12"	SSPRC Class IV
P3-21	3.1B	3.1C	21	855.63	855.74	0.50%	12"	SSPRC Class IV
P4-1	EW.4A	4.1	158	845.10	845.31	0.13%	48"	SSPRC Class III
P4-2	4.1	4.1D	9	848.31	848.35	0.50%	12"	SSPRC Class III
P4-3	4.1D	4.1C	14	848.35	848.42	0.50%	12"	SSPRC Class III
P4-4	4.1C	4.1B	8	848.42	848.46	0.50%	12"	SSPRC Class III
P4-5	4.1B	4.1A	24	848.46	848.58	0.50%	12"	SSPRC Class III
P4-6	EW.4B	4.2	97	845.10	845.29	0.20%	24"	SSPRC Class III
P4-7	4.2	5.1	320	845.29	845.93	0.20%	24"	SSPRC Class IV
P4-8	EW.4C	4.3A	32	845.10	846.71	0.50%	12"	SSPRC Class III

(CONTINUED ON NEXT SHEET)

STORM SEWER PIPE SCHEDULE (CONTINUED)

PIPE NO.	DOWNSTREAM STRUCTURE	UPSTREAM STRUCTURE	PIPE LENGTH (FT)	DOWNSTREAM INVERT	UPSTREAM INVERT	PIPE SLOPE	PIPE SIZE	PIPE TYPE
P4-9	EW.4D	4.4A	32	845.10	846.69	0.50%	12"	SSPRC Class III
P5-1	5.1	5.2	300	846.43	847.03	0.20%	18"	SSPRC Class IV
P5-2	5.1	5.1A	17	846.43	846.52	0.50%	15"	SSPRC Class IV
P5-3	5.1	5.1B	7	846.43	846.47	0.50%	15"	SSPRC Class IV
P5-4	5.1B	5.1C	9	846.47	846.51	0.50%	15"	SSPRC Class IV
P5-5	5.1C	5.1D	14	846.51	846.58	0.50%	15"	SSPRC Class IV
P5-6	5.1A	5.1E	10	846.52	846.57	0.50%	12"	SSPRC Class IV
P5-7	5.1D	5.1G	10	846.58	846.63	0.50%	12"	SSPRC Class IV
P5-8	5.1G	5.1F	10	846.63	846.68	0.50%	12"	SSPRC Class IV
P5-9	5.1D	5.1H	10	846.58	846.63	0.50%	12"	SSPRC Class IV
P5-10	5.2	5.2A	18	847.53	847.62	0.50%	12"	SSPRC Class IV
P5-11	5.2	5.2B	7	847.53	847.57	0.50%	12"	SSPRC Class IV
P5-12	5.2B	5.2C	9	847.57	847.61	0.50%	12"	SSPRC Class IV
P5-13	5.2C	5.2D	14	847.61	847.68	0.50%	12"	SSPRC Class IV
P5-14	5.2D	5.2E	100	847.68	848.18	0.50%	12"	SSPRC Class IV
P5-15	5.1H	5.1I	60	846.63	846.93	0.50%	12"	SSPRC Class IV
P6-1	6.1	EW.6	94	846.77	847.00	0.25%	24"	SSPRC Class III
P6-2	6.2	6.1	63	846.61	846.77	0.25%	24"	SSPRC Class III
P6-3	6.3	6.2	15	845.00	845.03	0.21%	3'x6'	Precast Concrete Box Culvert
P6-4	7.1	6.3	101	844.70	845.00	0.30%	3'x6'	Precast Concrete Box Culvert
P6-5	6.1	6.1D	21	847.52	847.57	0.25%	15"	SSPRC Class III
P6-6	6.1D	6.1C	25	847.82	847.95	0.50%	12"	SSPRC Class III
P6-7	6.1C	6.1B	6	847.95	847.98	0.50%	12"	SSPRC Class III
P6-8	6.1B	6.1A	24	847.98	848.10	0.50%	12"	SSPRC Class III
P6-9	6.2	6.2A	51	846.45	846.70	0.50%	12"	SSPRC Class III
P6-10	6.2A	6.2B	29	846.70	846.84	0.50%	12"	SSPRC Class III
P7-1	7.2	7.1	274	843.88	844.70	0.30%	3'x6'	Precast Concrete Box Culvert
P7-2	7.3	7.2	50	843.73	843.88	0.30%	3'x6'	Precast Concrete Box Culvert
P7-3	7.4	7.3	80	843.49	843.73	0.30%	3'x6'	Precast Concrete Box Culvert
P7-4	7.4	7.5	13	837.93	837.93	0.00%	66"	SSPRC Class III
P7-5	7.5	7.6	52	848.30	848.47	0.33%	24"	SSPRC Class III
P7-6	7.6	8.1	195	848.47	850.65	1.12%	24"	SSPRC Class III
P7-7	7.1	7.1C	9	846.20	846.24	0.50%	18"	SSPRC Class IV
P7-8	7.1C	7.1B	5	846.24	846.26	0.50%	18"	SSPRC Class IV
P7-9	7.1B	7.1A	35	846.26	846.44	0.50%	18"	SSPRC Class IV
P7-10	7.1	7.1D	14	846.44	846.52	0.50%	15"	SSPRC Class IV
P7-11	7.1A	7.1E	10	846.94	846.99	0.50%	12"	SSPRC Class IV
P7-12	7.1A	7.1F	12	846.94	847.00	0.50%	12"	SSPRC Class IV
P7-13	7.1F	EXISTING	11	848.14	848.25	1.00%	12"	SSP Composite
P7-14	7.1D	7.1G	8	846.77	846.80	0.50%	12"	SSPRC Class IV
P7-15	7.1G	7.1H	28	846.80	846.94	0.50%	12"	SSPRC Class IV
P7-16	7.2	7.2B	10	847.52	847.57	0.50%	12"	SSPRC Class III
P7-17	7.2B	7.2A	25	847.57	847.69	0.50%	12"	SSPRC Class III
P7-18	7.2	7.2C	16	847.52	847.62	0.65%	12"	SSPRC Class III
P7-19	7.4	7.7	48	837.93	838.17	0.50%	66"	SSPRC Class III
P7-20	EW.7	7.7	547	842.16	842.69	0.10%	66"	SSPRC Class III
P7-21	7.5	7.8	56	842.99	843.24	0.45%	60"	SSPRC Class III
P7-22	7.5	7.9	47	837.93	838.16	0.50%	66"	SSPRC Class III
P7-23	7.6	7.6A	29	849.47	849.61	0.50%	12"	SSPRC Class III
P7-24	7.2A	TRENCH DRAIN	8	849.50	849.91	5.00%	6"	PVC Pipe (Incidental to Sidewalk Trench Drain)
P7-25	7.6	7.6B	8	849.47	849.51	0.50%	12"	SSPRC Class III
P8-1	8.1	8.2	203	850.65	852.25	0.79%	24"	SSPRC Class III
P8-2	8.2	8.3	289	852.25	853.55	0.45%	24"	SSPRC Class III
P8-3	8.3	9.1	167	854.30	855.97	1.00%	15"	SSPRC Class III
P8-4	8.1	8.1A	7	851.65	851.68	0.50%	12"	SSPRC Class III

(CONTINUED ON NEXT SHEET)

STORM SEWER PIPE SCHEDULE (CONTINUED)

PIPE NO.	DOWNSTREAM STRUCTURE	UPSTREAM STRUCTURE	PIPE LENGTH (FT)	DOWNSTREAM INVERT	UPSTREAM INVERT	PIPE SLOPE	PIPE SIZE	PIPE TYPE
P8-5	8.2	8.2A	29	853.25	853.39	0.50%	12"	SSPRC Class III
P8-6	8.2	8.2B	7	853.25	853.28	0.50%	12"	SSPRC Class III
P8-7	8.2B	8.2C	10	853.28	853.33	0.50%	12"	SSPRC Class III
P8-8	8.3	8.3A	29	854.55	854.69	0.50%	12"	SSPRC Class III
P8-9	8.3	8.3B	12	854.55	854.61	0.50%	12"	SSPRC Class III
P9-1	9.1	9.2	136	855.97	858.61	1.94%	15"	SSPRC Class III
P9-2	9.1	9.1A	12	856.22	856.28	0.50%	12"	SSPRC Class III
P9-3	9.2	9.2A	29	858.86	859.00	0.50%	12"	SSPRC Class III
P9-4	9.2	9.2B	12	858.86	858.92	0.50%	12"	SSPRC Class III
P9-5	9.2A	9.2C	5	859.00	859.03	0.50%	12"	SSPRC Class III
P9-6	9.2B	9.2D	10	858.92	858.97	0.50%	12"	SSPRC Class III
P10-1	10.1	10.1A	10	858.68	858.73	0.50%	12"	SSPRC Class III
P10-2	10.1A	10.1B	10	858.73	858.78	0.50%	12"	SSPRC Class III
P11-1	11.1	11.1A	81	846.75	847.16	0.50%	12"	SSPRC Class III
P11-2	11.1A	11.1B	10	847.16	847.21	0.50%	12"	SSPRC Class III
P11-3	AS 6043-014	11.2	85	844.92	845.34	0.50%	12"	SSPRC Class III
P12-1	6.2	12.1	136	845.03	845.30	0.20%	3'x6'	Precast Concrete Box Culvert
P12-2	12.1	12.4	116	845.30	845.53	0.20%	3'x6'	Precast Concrete Box Culvert
P12-3	6.3	12.5	252	845.00	845.79	0.31%	3'x6'	Precast Concrete Box Culvert
P12-4	12.4	12.5	17	845.53	845.79	1.55%	3'x6'	Precast Concrete Box Culvert
P12-5	12.4	EX. PARKS MH	39	845.53	845.65	0.30%	24"	SSPRC Class III
P12-6	12.5	EXISTING	34	845.79	846.00	0.63%	24"	SSPRC Class IV
P12-7	12.5	P12-8	12	845.79	845.86	0.59%	3'x6'	Precast Concrete Box Culvert
P12-8	P12-7	EXISTING	8	846.31	846.36	0.59%	24"	SSPRC Class IV

STORM SEWER STRUCTURE SCHEDULE

STRUCTURE I.D.	TOP OF STRUCTURE ELEVATION	BOX DEPTH FEET	FLANGE OR RIM ELEVATION	INVERT	NOTES
1.1	879.68	2.68	880.93	877.00	
1.2	879.97	2.31	881.01	877.66	
1.3	881.44	3.06	882.48	878.38	
1.3A	882.62	2.42	883.66	880.20	
1.4	881.88	3.38	882.92	878.50	
1.5	882.24	3.62	883.28	878.62	
2.1	872.29	2.79	873.54	869.50	
2.1A	872.58	2.43	873.62	870.15	
2.2	868.12	3.62	869.37	864.50	
2.2A	868.18	2.65	869.22	865.53	
2.2B	868.40	2.72	869.44	865.68	
2.2C	869.00	3.43	869.00	865.57	
2.3	866.10	4.10	867.35	862.00	
2.3A	866.47	3.01	867.51	863.46	
2.3B	866.51	2.41	867.76	864.10	
2.3C	866.86	2.63	867.90	864.23	
2.3D	867.54	3.16	868.58	864.38	
2.3E	867.59	3.16	868.63	864.43	
2.3F	866.33	2.32	867.37	864.01	
2.4	863.34	4.56	864.59	858.78	
2.4A	863.40	3.59	864.44	859.81	
2.4B	863.87	3.96	864.91	859.91	
2.4C	864.58	4.53	865.62	860.05	
2.4D	864.68	4.52	865.72	860.16	
2.5	860.74	5.24	861.99	855.50	
2.5A	861.29	4.15	862.33	857.14	
3.1	857.91	3.91	859.16	854.00	
3.1A	858.00	2.47	859.04	855.53	
3.1B	858.33	2.70	859.37	855.63	
3.1C	857.76	2.02	858.80	855.74	
3.2	855.62	4.37	856.87	851.25	
3.2A	858.43	2.37	859.47	856.06	
3.2B	858.58	2.38	859.62	856.20	
3.3	850.24	4.43	851.49	845.81	
3.3A	850.07	2.70	851.11	847.37	
3.3B	850.19	2.77	851.23	847.42	
3.4	849.73	4.03	850.77	845.70	
3.4A	849.58	2.66	850.62	846.92	
3.4B	850.02	3.22	851.06	846.80	
3.4C	849.50	2.68	850.54	846.82	
3.4D	849.59	2.37	850.63	847.22	
3.4E	850.10	2.72	851.14	847.38	
3.4F	849.59	2.42	850.63	847.17	
3.4G	849.52	2.40	850.56	847.12	
3.4H	849.49	2.37	850.53	847.12	
3.4I	850.29	2.78	851.33	847.51	
3.5	850.78	4.47	852.03	846.31	
4.1	852.43	10.12	853.68	845.31	3' SUMP
4.1A	851.03	2.45	852.07	848.58	
4.1B	851.47	3.01	852.51	848.46	
4.1C	851.32	2.90	852.36	848.42	
4.1D	851.08	2.73	852.12	848.35	
EW.4A	-	-	-	845.10	
EW.4B	-	-	-	845.10	
EW.4C	-	-	-	845.10	

(CONTINUED)

STORM SEWER STRUCTURE SCHEDULE (CONTINUED)

STRUCTURE I.D.	TOP OF STRUCTURE ELEVATION	BOX DEPTH FEET	FLANGE OR RIM ELEVATION	INVERT	NOTES
EW.4D	-	-	-	845.10	
4.2	851.12	8.83	852.37	845.29	3' SUMP
4.3A	853.83	7.12	854.87	846.71	
4.4A	853.82	7.13	854.86	846.69	
5.1	848.32	2.39	849.57	845.93	
5.1A	848.20	1.68	849.24	846.52	
5.1B	848.64	2.17	849.68	846.47	
5.1C	848.42	1.91	849.46	846.51	
5.1D	848.18	1.60	849.22	846.58	
5.1E	848.29	1.72	849.33	846.57	
5.1F	848.29	1.61	849.33	846.68	
5.1G	848.23	1.60	849.27	846.63	
5.1H	848.23	1.60	849.27	846.63	
5.1I	848.53	1.60	849.57	846.93	
5.2	850.16	3.13	851.41	847.03	
5.2A	850.03	2.41	851.07	847.62	
5.2B	850.47	2.90	851.51	847.57	
5.2C	850.25	2.64	851.29	847.61	
5.2D	850.02	2.34	851.06	847.68	
5.2E	850.70	2.52	851.74	848.18	
6.1	850.33	3.56	851.58	846.77	
6.1A	850.68	2.58	851.72	848.10	
6.1B	851.13	3.15	852.17	847.98	
6.1C	850.99	3.04	852.03	847.95	
6.1D	850.53	2.96	851.57	847.57	
EW.6	-	-	-	847.00	
6.2	850.00	4.97	851.25	845.03	
6.2A	850.47	3.77	851.51	846.70	
6.2B	850.34	3.50	851.38	846.84	
6.3	849.93	4.93	851.18	845.00	
7.1	849.38	4.68	850.63	844.70	
7.1A	849.55	3.11	850.59	846.44	
7.1B	849.89	3.63	850.93	846.26	
7.1C	849.73	3.49	850.77	846.24	
7.1D	849.30	2.78	850.34	846.52	
7.1E	849.71	2.72	850.75	846.99	
7.1F	849.64	2.64	850.68	847.00	
7.1G	849.30	2.50	850.34	846.80	
7.1H	849.44	2.50	850.48	846.94	
7.2	851.90	8.02	852.94	843.88	
7.2A	851.57	3.88	852.61	847.69	
7.2B	852.05	4.48	853.09	847.57	
7.2C	851.62	4.00	852.66	847.62	
7.3	852.63	8.90	853.88	843.73	
7.4	852.93	15.00	854.18	837.93	
7.5	853.04	15.11	854.29	837.93	
7.6	853.36	4.89	854.61	848.47	
7.6A	853.25	3.64	854.29	849.61	
7.6B	853.43	3.92	854.47	849.51	
7.7	852.80	17.63	854.05	838.17	3' SUMP
EW.7	-	-	-	842.16	
7.8	852.05	8.81	853.30	843.24	
7.9	853.05	17.89	854.30	838.16	3' SUMP
8.1	854.64	3.99	855.89	850.65	
8.1A	854.73	3.05	855.77	851.68	

(CONTINUED)

STORM SEWER STRUCTURE SCHEDULE (CONTINUED)

STRUCTURE I.D.	TOP OF STRUCTURE ELEVATION	BOX DEPTH FEET	FLANGE OR RIM ELEVATION	INVERT	NOTES
8.2	856.33	4.08	857.58	852.25	
8.2A	856.22	2.83	857.26	853.39	
8.2B	856.42	3.14	857.46	853.28	
8.2C	856.50	3.17	857.54	853.33	
8.3	858.65	5.10	859.90	853.55	
8.3A	858.79	4.10	859.83	854.69	
8.3B	858.54	3.93	859.58	854.61	
9.1	860.17	4.20	861.42	855.97	
9.1A	860.16	3.88	861.20	856.28	
9.2	862.33	3.72	863.58	858.61	
9.2A	862.50	3.50	863.54	859.00	
9.2B	862.32	3.40	863.36	858.92	
9.2C	862.55	3.52	863.59	859.03	
9.2D	862.43	3.46	863.47	858.97	
10.1	861.39	2.71	862.64	858.68	
10.1A	861.19	2.46	862.23	858.73	
10.1B	861.25	2.47	862.29	858.78	
11.1	849.16	2.41	850.41	846.75	
11.1A	849.65	2.49	850.69	847.16	
11.1B	849.70	2.49	850.74	847.21	
11.2	849.25	3.91	849.25	845.34	
12.1	849.37	4.07	850.41	845.30	
12.2	-	-	849.90	-	
12.3	-	-	849.84	-	
12.4	848.35	2.82	849.60	845.53	
12.5	848.43	2.64	849.68	845.79	

2

3002 ATWOOD INVESTMENTS LLC
233 S FAIR OAKS AVE

3002 ATWOOD INVESTMENTS LLC
3010 ATWOOD AVE

MAYNARD SCHMUDLACH (LE)
MICHAEL SCHMUDLACH
3014 ATWOOD AVE

ROBERT H GRETHER
PAMELA K GRETHER
3026 ATWOOD AVE

KELLY SORENSON
NATHAN LIEGEL
3030 ATWOOD AVE

CONNIE JO NADLER
BONITA RAE ANDERSON
3034 ATWOOD AVE

CURRENT OWNER
3102 ATWOOD AVE

CURRENT OWNER
3106 ATWOOD AVE

RICHARD WATTS
3112 ATWOOD AVE

DAVID
MELISSA
3114 A

LAVERNE A BIRRENKOTT
VALERIE L BIRRENKOTT
26 ATWOOD AVE

FAIR OAKS AVENUE

EXISTING R/W

CITY OF MADISON (ELECTRIC)

MG&E (OVERHEAD)

MG&E (ELECTRIC)

MG&E (GAS)

ABANDON WATER VALVE ACCESS STRUCTURE
INSTALL WATER VALVE BOX

CUT OFF EXISTING WATERMAIN

ADJUST CURB BOX

INSULATION BOARD POLYSTYRENE 2-INCH (TYP.)

RELOCATE WATER SERVICE (TYP.)

EXISTING HYDRANT TO REMAIN

ADJUST WATER VALVE BOX

STA. 15+19.30, 0.98' RT
10"X8" TEE
CONNECT TO EXISTING WATER SYSTEM

BORING #1

CITY OF MADISON (WATERMAIN)

CITY OF MADISON (SANITARY)

ATWOOD AVENUE

CITY OF MADISON (WATERMAIN)

BM#1

AT&T (FIBER)

MG&E (OVERHEAD)

CHARTER (OVERHEAD)

MG&E (GAS)

CITY OF MADISON (FIBER)

MG&E (ELECTRIC)

ADJUST WATER VALVE BOX

STA. 15+19.25, 3.03' RT
8" VALVE & BOX
8" 22.5 BEND

EXISTING HYDRANT TO REMAIN

ADJUST WATER VALVE BOX

STA. 15+35.07, 33.71' RT
CONNECT TO EXISTING WATER SYSTEM

ADJUST CURB BOX

ADJUST CURB BOX

ADJUST CURB BOX

MATCHLINE STA. 17+00

CITY OF MADISON
(STORM SEWER)

ABANDON WATER VALVE BOX

CUT OFF EXISTING WATER MAIN

ULO (W)

SEE LUDINGTON AVENUE WATERMAIN PLAN & PROFILE SHEET FOR PROFILE VIEW

LUDINGTON AVENUE

MAPLE AVENUE

HILARY ANN STEIN
2929 ATWOOD AVE

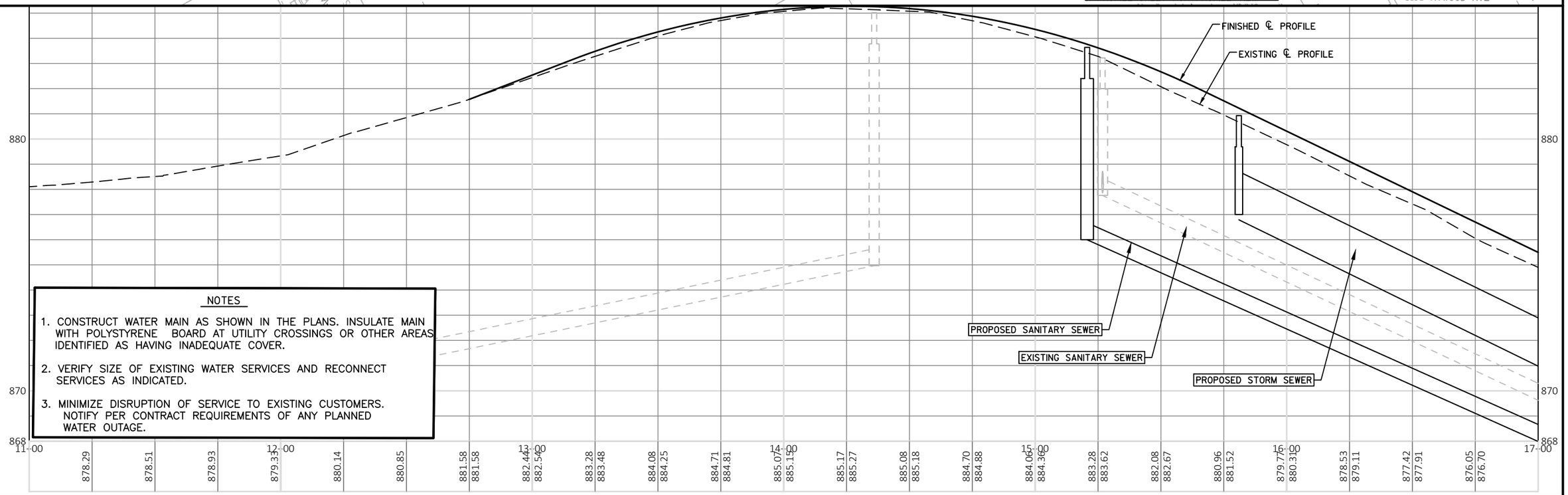
MADISON METRO SCHOOL DISTRICT
401 MAPLE AVE

DAVID J BLOOM
RAINA M BLOOM
101 LUDINGTON AVE

MICHAEL JOHN SHORT
3105 ATWOOD AVE

BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#1	14+0.5	21.9' RT.	CUT CROSS IN SIDEWALK	885.71



NOTES

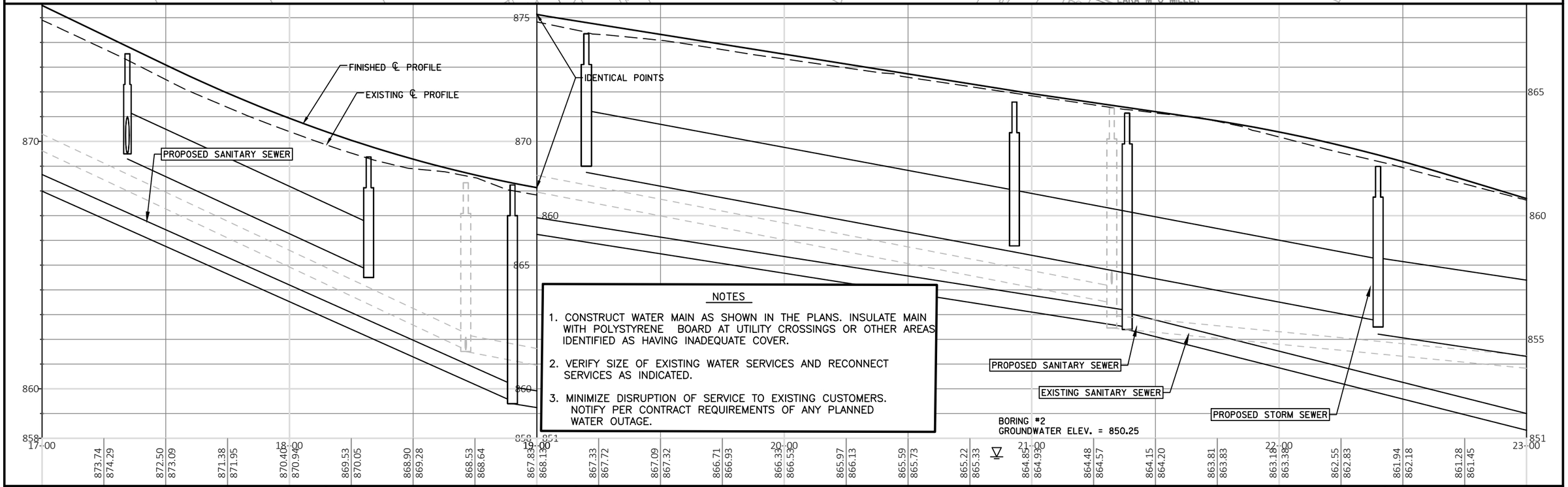
1. CONSTRUCT WATER MAIN AS SHOWN IN THE PLANS. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	WATERMAIN	SHEET 130	E

CUT OFF EXISTING WATER MAIN
ABANDON WATER VALVE BOX
ABANDON WATER VALVE ACCESS STRUCTURE
ABANDON WATER VALVE ACCESS STRUCTURE
INSTALL WATER VALVE & BOX
BM#2
STA. 18+79.28, 50.30' LT
8" VALVE & BOX
CONNECT TO EXISTING WATER SYSTEM
SEE WELCH/GARRISON WATERMAIN PLAN AND PROFILE SHEET.
STA. 18+81.29, 2.26' RT
8" VALVE AND BOX
CONNECT TO EXISTING WATER SYSTEM
STA. 18+81.43, 5.61' RT
10"X8" CROSS
CONNECT TO EXISTING WATER SYSTEM
STA. 21+11.50, 24.98' LT
HYDRANT (F.G.=864.78)
6" VALVE & BOX, 9.54' LT
10"X6" TEE, 0.54' LT
CONNECT TO EXISTING WATER SYSTEM
OFFSET PIPE BELOW STORM SEWER AT CROSSING
RELOCATE WATER SERVICE (TYP.)
BORING #2
CUT OFF EXISTING WATER MAIN
STA. 21+25.67, 0.47' RT
10"X6" TEE W/ 6" VALVE
CONNECT TO EXISTING WATER SYSTEM
REMOVE EXISTING 6"X4" REDUCER
RELOCATE WATER SERVICE (TYP.)
ABANDON WATER VALVE ACCESS STRUCTURE
INSTALL WATER VALVE BOX
MATCHLINE STA. 17+00
MATCHLINE STA. 23+00
ATWOOD AVENUE
ADJUST CURB BOX
ADJUST CURB BOX
CUT OFF EXISTING WATER MAIN
ABANDON WATER VALVE ACCESS STRUCTURE
ADJUST CURB BOX
STA. 18+76.30, 35.10' RT
8" 90 BEND
CONNECT TO EXISTING WATER SYSTEM
STA. 18+81.57, 9.04' RT
8" VALVE AND BOX
CONNECT TO EXISTING WATER SYSTEM
STA. 18+81.73, 12.73' RT
8" 22.5 BEND
STA. 18+90.36, 27.19' RT
8"X6" TEE & PLUG
EXISTING HYDRANT TO REMAIN
ADJUST WATER VALVE BOX
ADJUST CURB BOX
ADJUST CURB BOX
REMOVE AND SALVAGE EXISTING HYDRANT
ABANDON WATER VALVE BOX
ULO (W)
SEE CENTER AVENUE WATERMAIN PLAN AND PROFILE SHEET
INSULATION BOARD POLYSTYRENE 2-INCH (TYP.)
ADJUST CURB BOX
ABANDON WATER VALVE ACCESS STRUCTURE
3225/3227 ATWOOD AVE
WELCH AVENUE
CENTER AVENUE
GARRISON STREET

BENCHMARKS

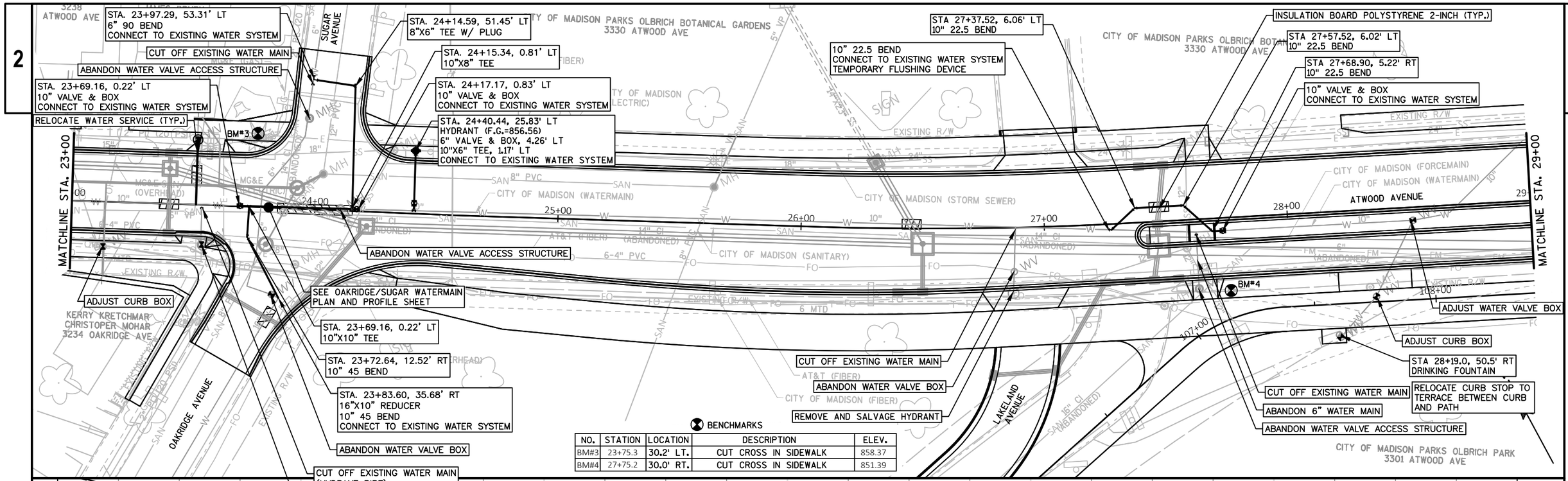
NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#2	18+48.1	30.5' LT.	CUT CROSS IN SIDEWALK	868.49



NOTES

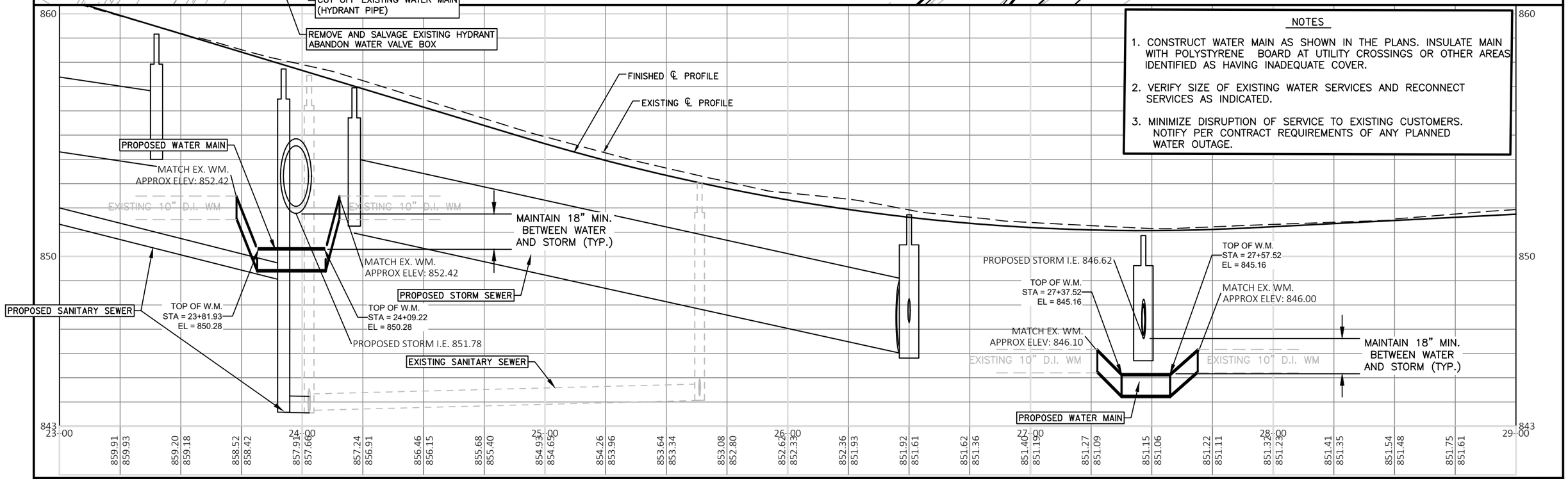
1. CONSTRUCT WATER MAIN AS SHOWN IN THE PLANS. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	WATERMAIN	SHEET 131 E



BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#3	23+75.3	30.2' LT.	CUT CROSS IN SIDEWALK	858.37
BM#4	27+75.2	30.0' RT.	CUT CROSS IN SIDEWALK	851.39



NOTES

1. CONSTRUCT WATER MAIN AS SHOWN IN THE PLANS. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	WATERMAIN	SHEET 132 E

2

CITY OF MADISON PARKS OLBRICH BOTANICAL GARDENS
3330 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

STA 32+98.89, 45.32' LT
10" 45° BEND

STA 33+34.85, 23.90' LT
10" 45° BEND

HYDRANT (F.G=852.54)
6" VALVE & BOX
10"X6" TEE

STA. 33+37.36, 24.07' LT
10" VALVE & BOX
CONNECT TO EXISTING WATER SYSTEM

ADJUST MANHOLE COVER

ADJUST WATER VALVE BOX

TEMPORARY FLUSHING DEVICE

BM#5

CITY OF MADISON (WATERMAIN)

CITY OF MADISON (STORM SEWER)

CITY OF MADISON (WATERMAIN)

CITY OF MADISON (ELECTRIC)

CITY OF MADISON (FIBER)

CITY OF MADISON (FORCEMAIN)

BORING #3

ATWOOD AVENUE

AT&T (FIBER)

6 MTD

6-4" PVC

9 MCD

AT&T (FIBER)

MG&E (GAS)

CITY OF MADISON
(ELECTRIC)

CITY OF MADISON PARKS OLBRICH PARK
3301 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

MATCHLINE STA. 29+00

MATCHLINE STA. 35+00

29+00 30+00 31+00 32+00 33+00 34+00 35+00

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

BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#5	33+93.1	34.1' LT.	CENTER OF BRASS CAP	852.07

FINISHED ℄ PROFILE

EXISTING ℄ PROFILE

850

840

MATCH EX. WM.
APPROX ELEV: 846.07

MATCH EX. WM.
APPROX ELEV: 847.31

EXISTING 10" D.I. WM

EXISTING 10" D.I. WM

BORING #3
GROUNDWATER ELEV. = 845.50

PROPOSED STORM SEWER

PROPOSED WATER MAIN

29+00 30+00 31+00 32+00 33+00 34+00 35+00

851.95 851.87 852.16 852.00 852.42 852.12 852.59 852.25 852.72 852.38 852.88 852.51 853.01 852.64 853.15 852.76 853.28 852.89 853.33 853.02 853.19 853.15 853.22 853.22 853.63 853.62 853.67 853.68 853.33 853.33 853.03 853.04 852.92 852.78 852.82 852.53 852.69 852.27 852.43 852.02 852.24 851.77 851.91 851.51 851.65 851.26

NOTES

1. CONSTRUCT WATER MAIN AS SHOWN IN THE PLANS. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	WATERMAIN	SHEET 133	E

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

EXISTING HYDRANT TO REMAIN
ADJUST WATER VALVE BOX
ADJUST WATER VALVE BOX

EXISTING R/W
CITY OF MADISON (ELECTRIC)
CITY OF MADISON (WATERMAIN)
MATCHLINE STA. 35+00
MATCHLINE STA. 41+00
36+00
37+00
38+00
39+00
40+00
ATWOOD AVENUE
AT&T (FIBER)
6 MTD
6-4" PVC
115+00
116+00
12" ST (175 PSI)
EXISTING R/W
6" (ABANDONED)
CITY OF MADISON (STORM SEWER)
CITY OF MADISON (FORCEMAIN))
MG&E (GAS)
CITY OF MADISON (FIBER)
CITY OF MADISON (FORCEMAIN)

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

FINISHED ℄ PROFILE
EXISTING ℄ PROFILE
PROPOSED STORM SEWER

850
840

NOTES

1. CONSTRUCT WATER MAIN AS SHOWN IN THE PLANS. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.

35+00	36+00	37+00	38+00	39+00	40+00	41+00
851.17 / 850.76	850.92 / 850.52	850.73 / 850.30	850.53 / 850.08	850.42 / 849.93	850.34 / 849.81	850.36 / 849.68
850.50 / 849.81	850.62 / 849.93	850.64 / 850.06	850.76 / 850.18	850.87 / 850.33	850.91 / 850.50	850.97 / 850.67
851.13 / 850.84	851.29 / 851.01	851.46 / 851.18	851.64 / 851.35	851.81 / 851.51	851.93 / 851.68	852.11 / 851.85
852.28 / 852.02	852.46 / 852.19					

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	WATERMAIN	SHEET 134	E

FILE NAME : P:\370S\373\00373071\CADD\DESIGN\PIPENETWORKS\WATERMAIN.DWG
LAYOUT NAME - 023005-wm
PLOT DATE : 9/13/2022 12:14 PM
PLOT BY : JAIME KURTEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

ATWOOD AVENUE

WALTER STREET

MATCHLINE STA. 41+00

MATCHLINE STA. 47+00

BM*6

BORING *4

STA. 45+56.54, 24.46' RT
10" VALVE & BOX
CONNECT TO EXISTING WATER SYSTEM

STA. 45+51.89, 32.74' LT
RELOCATE EXISTING HYDRANT (F.G.=852.21)

ADJUST WATER VALVE BOX

VERTICAL BENDS, SEE PROFILE FOR STORM SEWER CROSSING

INSULATION BOARD POLYSTYRENE 2-INCH (TYP.)

STA. 46+55.29, 20.83' LT
10" VALVE & BOX
CONNECT TO EXISTING WATER SYSTEM
TEMPORARY FLUSHING DEVICE

ABANDON CURB BOX (2)

ADJUST CURB BOX

TOP OF MMSD 36" RCNCP FORCE MAIN = 846.08
(ULO INFORMATION PROVIDED BY CITY OF MADISON)

STA 46+93.0, 66.0' RT
DRINKING FOUNTAIN

BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM*6	43+74.0	40.9' LT.	CUT CROSS IN SIDEWALK	853.41

FINISHED ℄ PROFILE

EXISTING ℄ PROFILE

PROPOSED STORM SEWER

MATCH EX. WM.
APPROX ELEV: 846.47

MATCH EX. WM.
APPROX ELEV: 846.54

EXISTING 10" D.I. WM

EXISTING 10" D.I. WM

BORING *4
GROUNDWATER ELEV. = 844.40

STORM SEWER I.E.
844.41

MAINTAIN 18" MIN.
BETWEEN WATER
AND STORM (TYP.)

PROPOSED WATER MAIN

PROPOSED SANITARY SEWER

NOTES

1. CONSTRUCT WATER MAIN AS SHOWN IN THE PLANS. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	WATERMAIN	SHEET 135	E

FILE NAME : P:\370S\373\00373071\CADD\DESIGN\PIPENETWORKS\WATERMAIN.DWG
LAYOUT NAME - 023006-wm
PLOT DATE : 9/13/2022 12:15 PM
PLOT BY : JAIME KURTEN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

OLBRICH BY THE LAKE ASSOC LLC
3528 ATWOOD AVE

INSULATION BOARD POLYSTYRENE 2-INCH (TYP.)

ADJUST WATER VALVE BOX

VERTICAL BENDS, SEE PROFILE FOR STORM SEWER CROSSING

STA. 51+17.32, 32.26' LT
STB. 10" VALVE & BOX
CONNECT TO EXISTING WATER SYSTEM
TEMPORARY FLUSHING DEVICE

STA 51+30.04, 32.02' LT
10"X6" TEE

EXISTING HYDRANT TO REMAIN

ADJUST WATER VALVE BOX

STA. 51+64.51, 32.04' LT
ADJUST WATER VALVE BOX
CONNECT TO EXISTING WATER SYSTEM

132 S.F.- INSULATION BOARD POLYSTYRENE 2 INCH

TOP OF MMSD 36" RCNCP FORCE MAIN = 845.52
(ULO INFORMATION PROVIDED BY CITY OF MADISON)

TOP OF MMSD 36" RCNCP FORCE MAIN = 849.01
(ULO INFORMATION PROVIDED BY CITY OF MADISON)

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

RUTH E NICHOLS

A J PROBST
3606 ATWOOD AVE
(VACANT LOT)

VIRGINIA PROBST
3610 ATWOOD AVE

DENNETT DRIVE

ATWOOD AVENUE

MATCHLINE STA. 47+00

MATCHLINE STA. 53+00

FINISHED ℄ PROFILE

EXISTING ℄ PROFILE

TOP OF W.M.
STA = 51+30.04
EL = 850.00

TOP OF W.M.
STA = 51+56.95
EL = 850.00

PROPOSED WATER MAIN

INSULATION BOARD POLYSTYRENE 2 INCH x 2 LAYERS (TYP.)

TOP OF W.M.
STA = 51+17.32
EL = 847.68

MAINTAIN 6" MIN. BETWEEN STORM AND WATER

EXISTING 10" D.I. WM

EXISTING 10" D.I. WM

PROPOSED SANITARY SEWER

EXISTING SANITARY SEWER

PROPOSED STORM SEWER

TOP OF W.M.
STA = 51+64.51
EL = 847.68

850

840

47+00 48+00 49+00 50+00 51+00 52+00 53+00

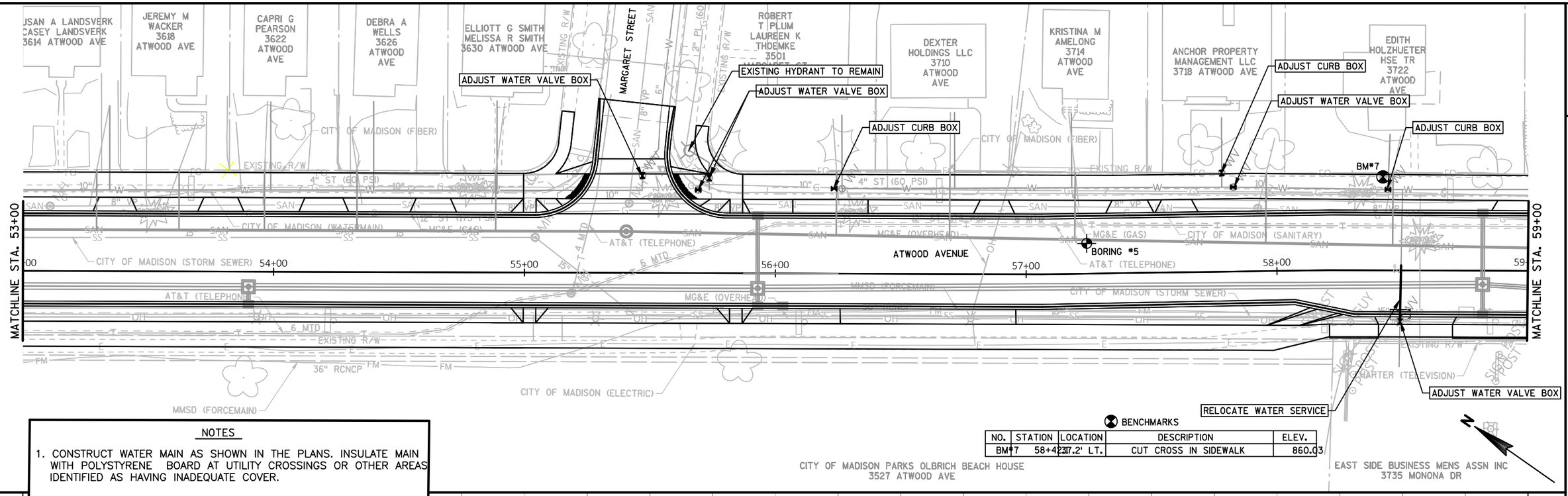
851.31 851.15 851.24 851.28 851.32 851.40 851.42 851.53 851.58 851.65 851.66 851.81 851.90 852.03 851.82 852.24 852.06 852.45 852.29 852.67 852.48 852.88 852.68 853.09 852.87 853.31 853.00 853.52 853.18 853.74 853.53 853.93 853.69 854.16 853.82 854.38 854.09 854.58 854.27 854.76 854.50 854.92 854.69 855.06 855.06 855.18

NOTES

1. CONSTRUCT WATER MAIN AS SHOWN IN THE PLANS. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	WATERMAIN	SHEET 136	E

2



BENCHMARKS

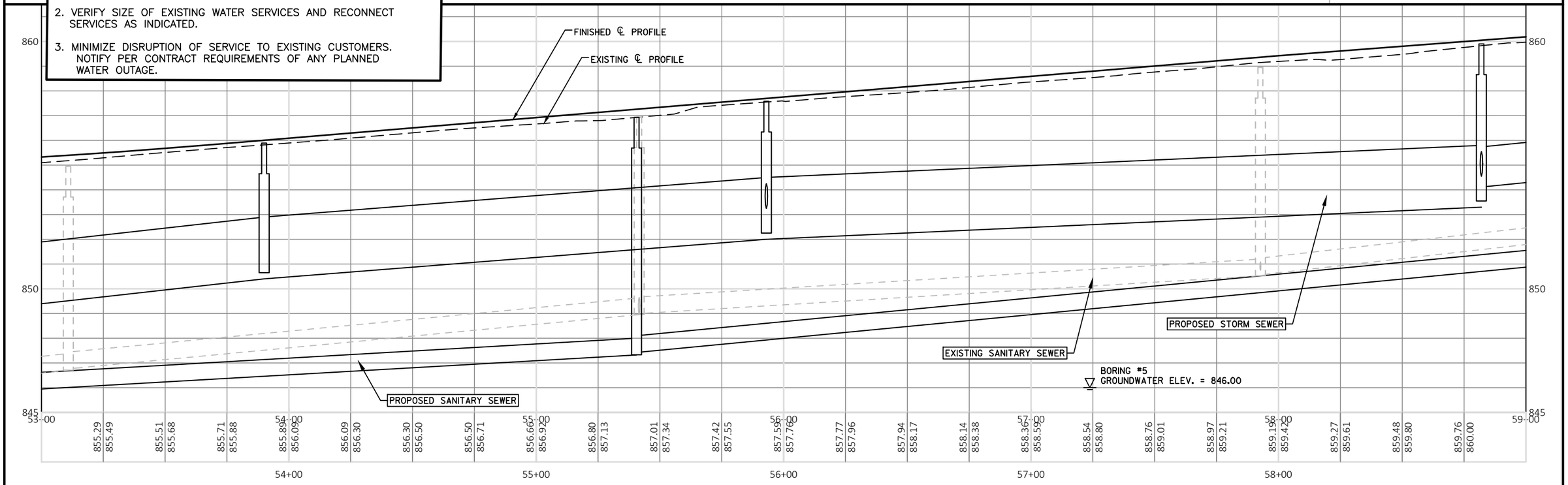
NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#7	58+423	37.2' LT.	CUT CROSS IN SIDEWALK	860.03

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

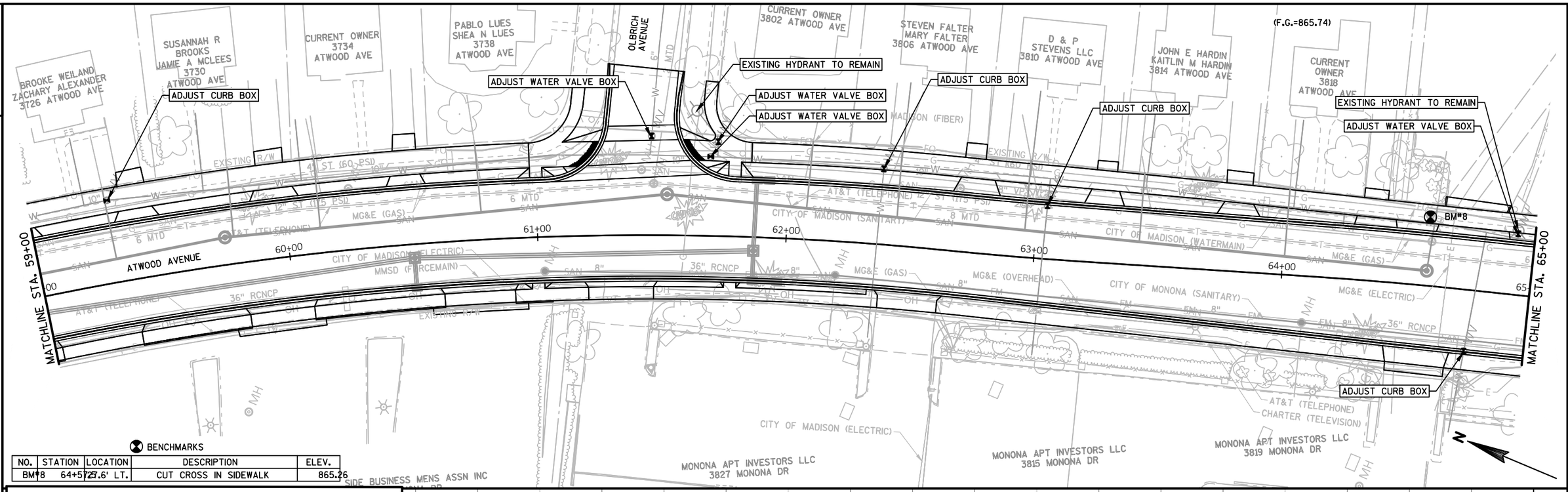
EAST SIDE BUSINESS MENS ASSN INC
3735 MONONA DR

NOTES

1. CONSTRUCT WATER MAIN AS SHOWN IN THE PLANS. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	WATERMAIN	SHEET 137	E



BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#8	64+57	25.6' LT.	CUT CROSS IN SIDEWALK	865.26

NOTES

1. CONSTRUCT WATER MAIN AS SHOWN IN THE PLANS. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED AS HAVING INADEQUATE COVER.
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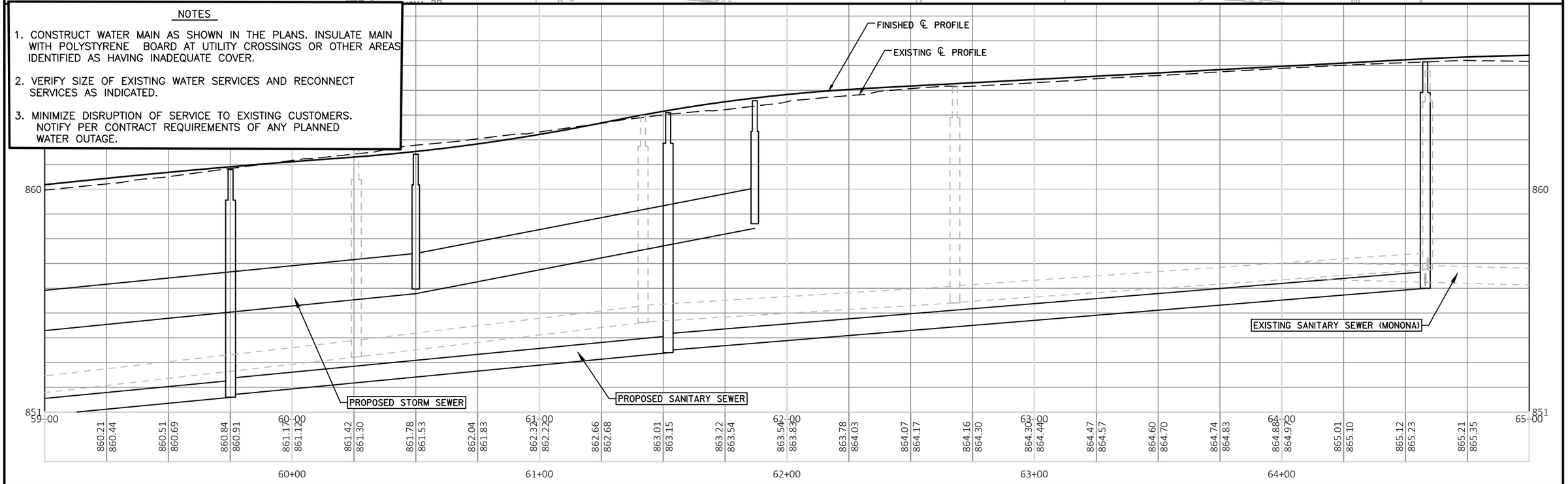
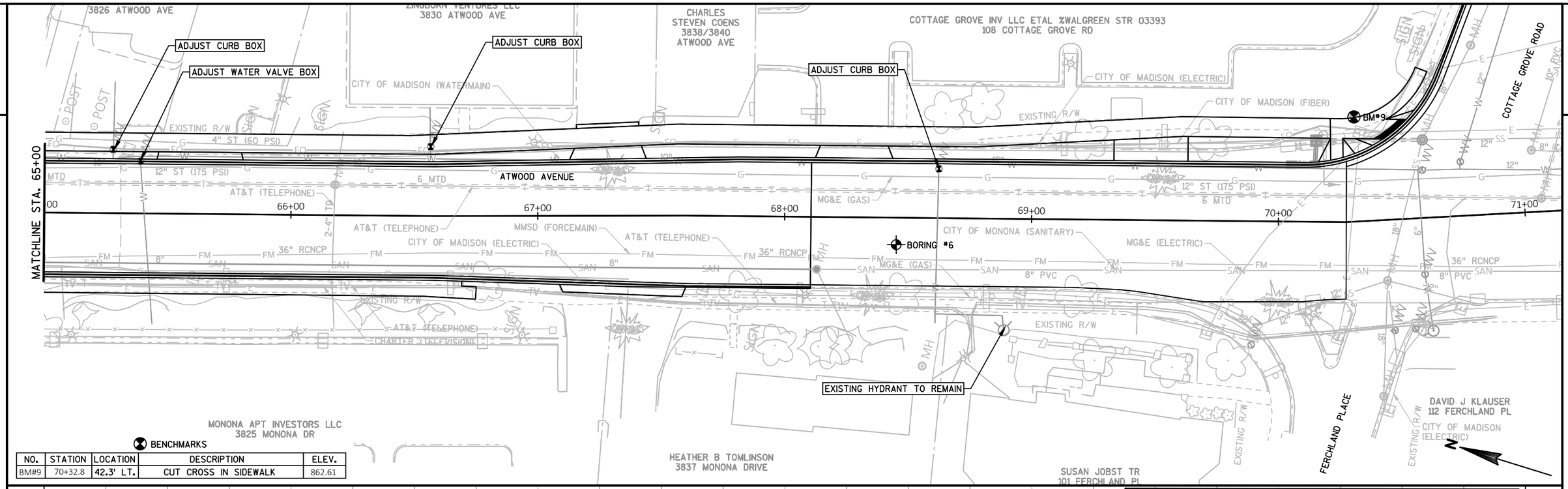


PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	WATERMAIN	SHEET 138	E



NOTES

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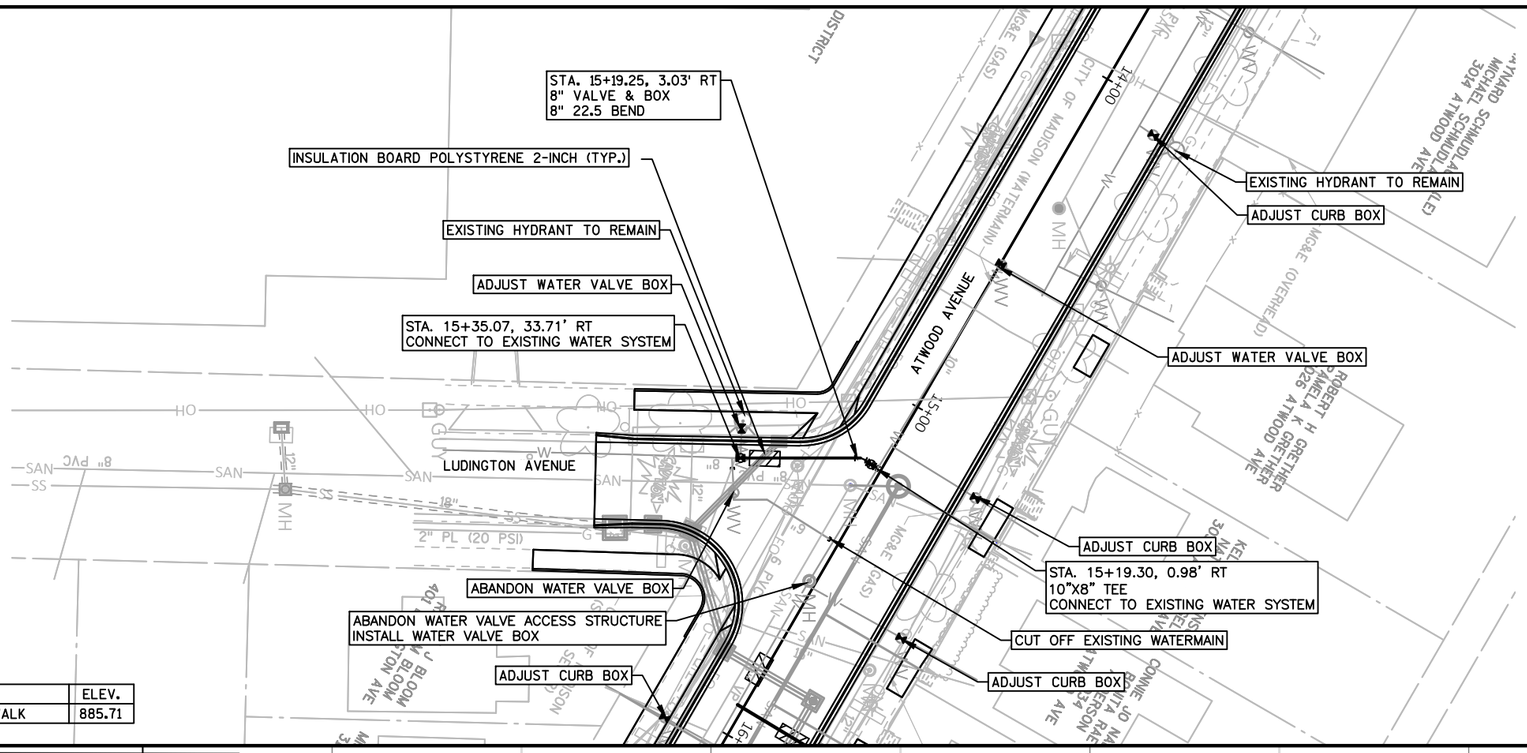
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	WATERMAIN	SHEET 139	E

FILE NAME : P:\370S\373\00373071\CADD\DESIGN\PIPENETWORKS\WATERMAIN.DWG
LAYOUT NAME - 023010-wm
PLOT DATE : 9/13/2022 12:16 PM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM*1	14+0.5	21.9' RT.	CUT CROSS IN SIDEWALK	885.71

NOTES

1. CONSTRUCT WATER MAIN AS SHOWN IN THE PLANS. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED AS HAVING INADEQUATE COVER.
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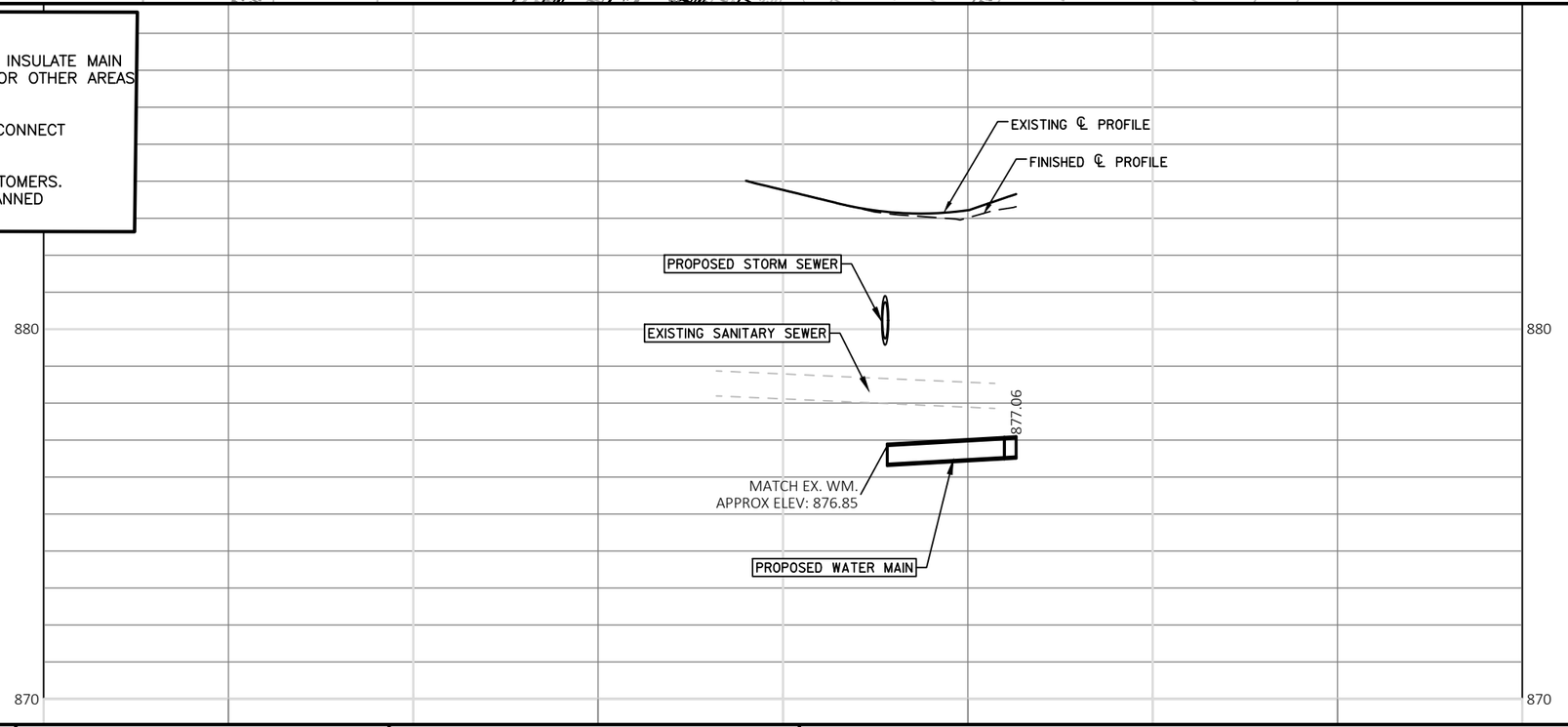
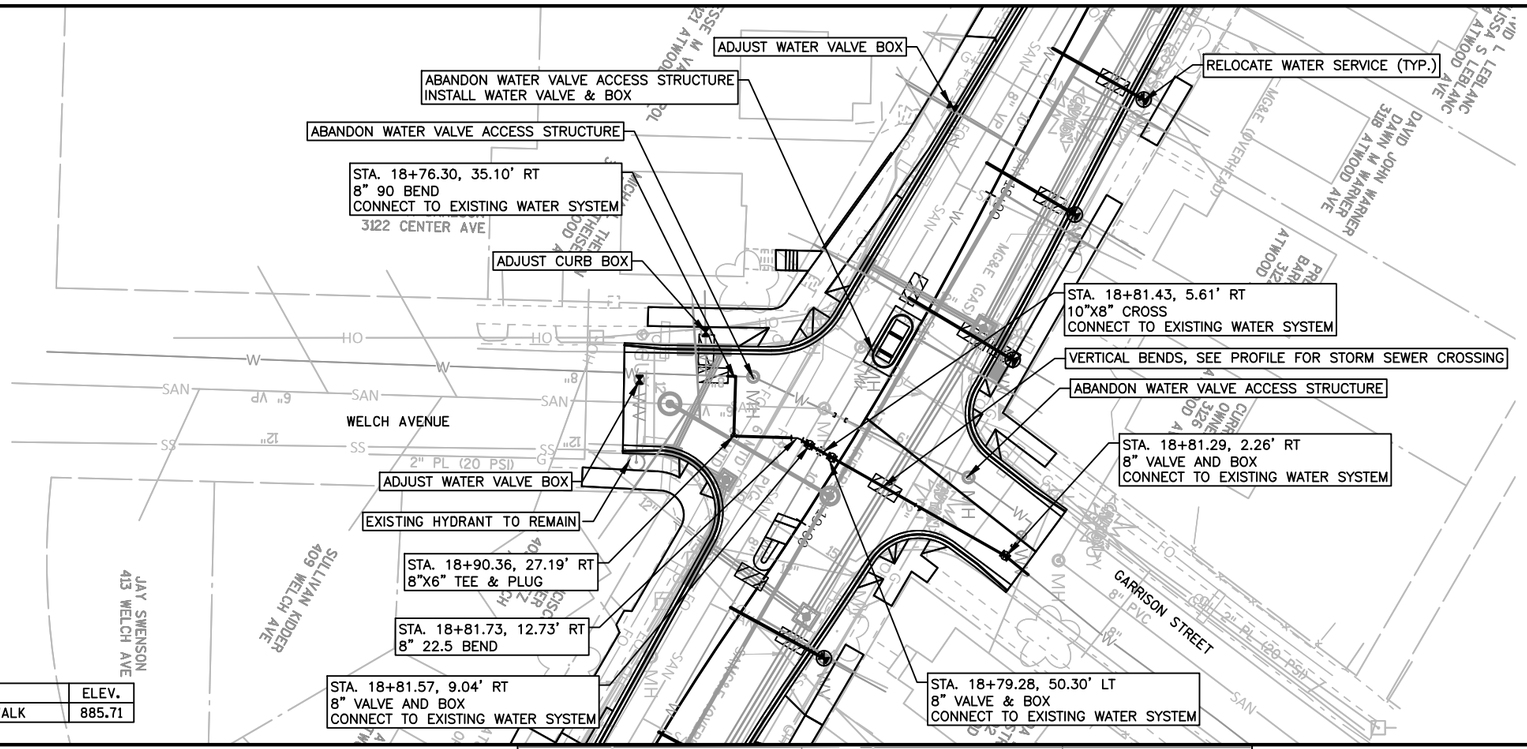


PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	WATERMAIN: LUDINGTON AVENUE	SHEET 140	E

2



BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#1	14+0.5	21.9' RT.	CUT CROSS IN SIDEWALK	885.71

NOTES

1. CONSTRUCT WATER MAIN AS SHOWN IN THE PLANS. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED AS HAVING INADEQUATE COVER.
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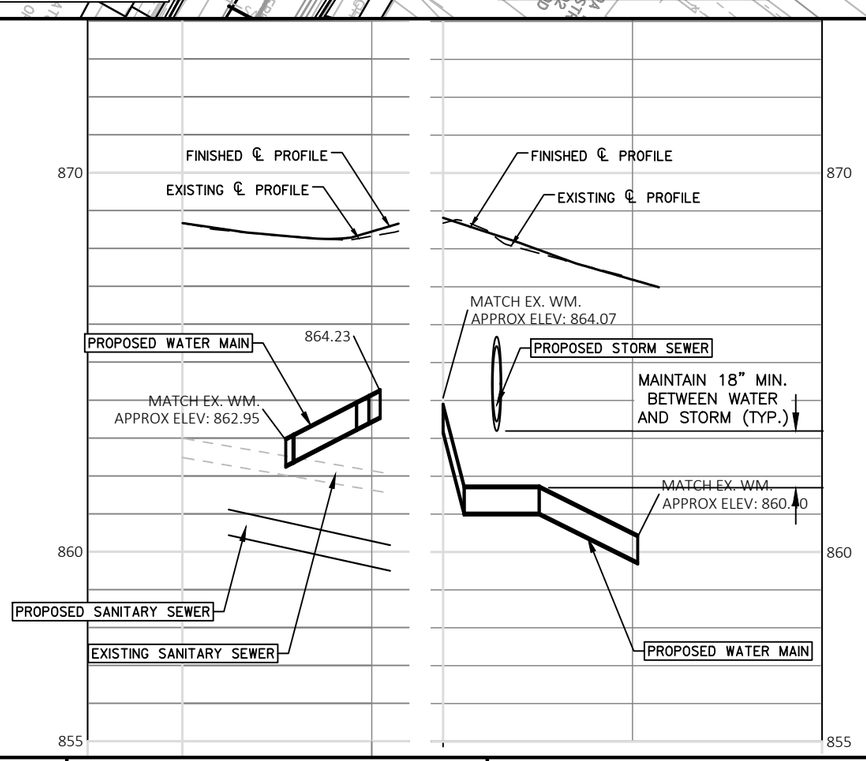
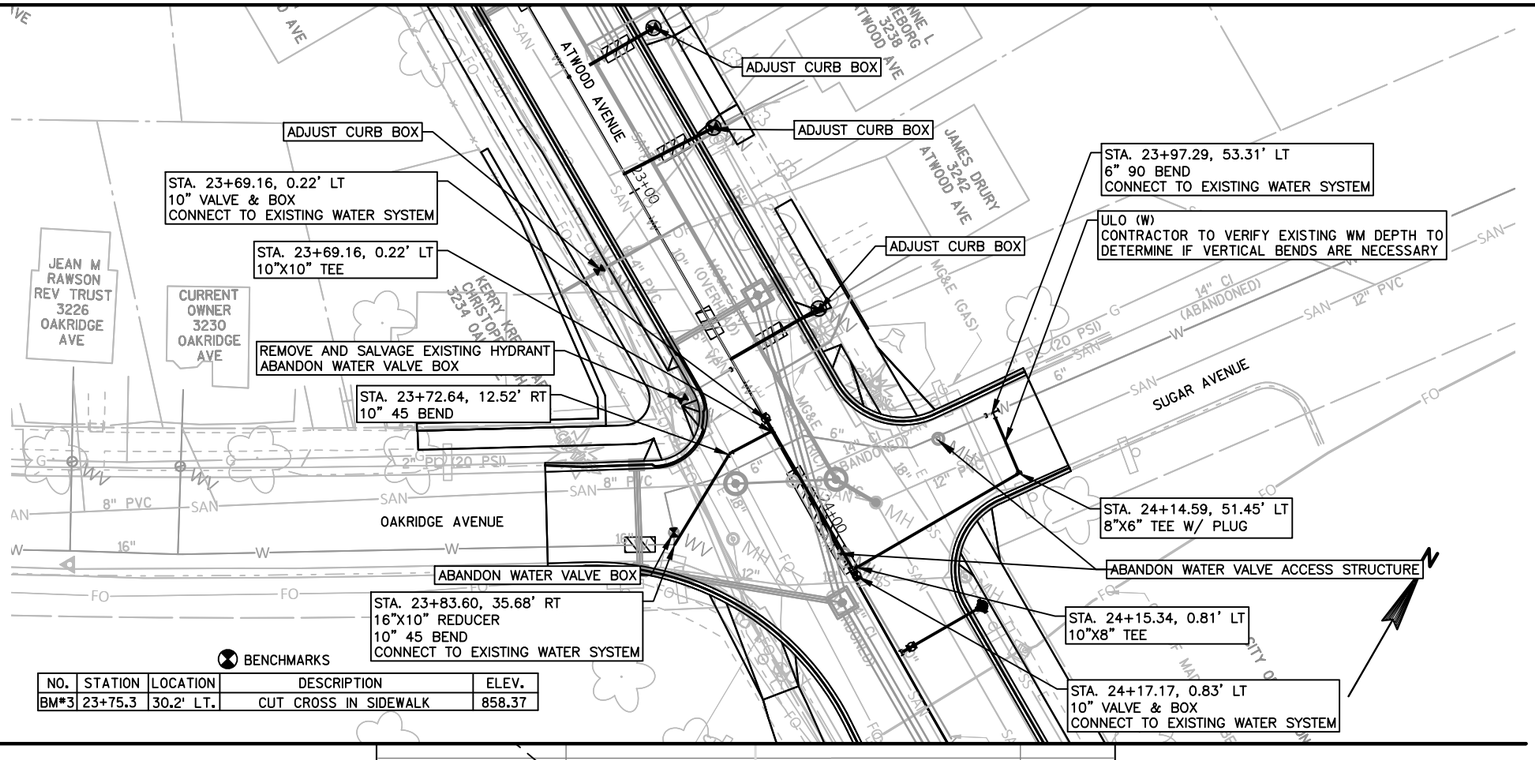


PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	WATERMAIN: WELCH AVENUE/GARRISON STREET	SHEET 141	E



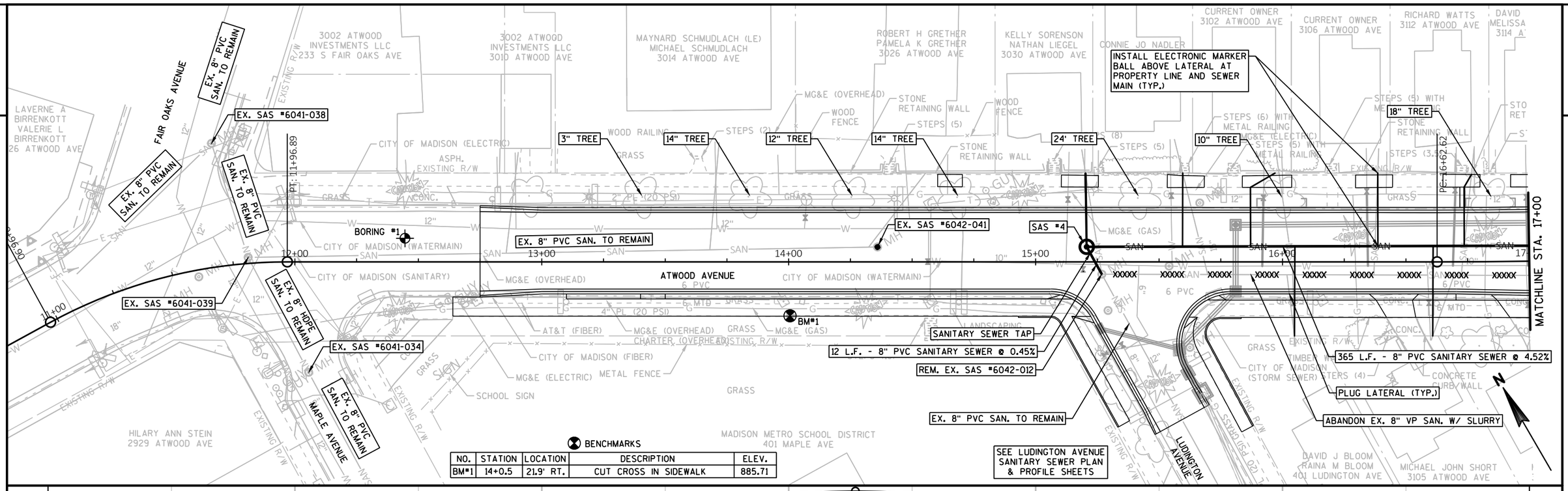
NOTES

1. CONSTRUCT WATER MAIN AS SHOWN IN THE PLANS. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.

2

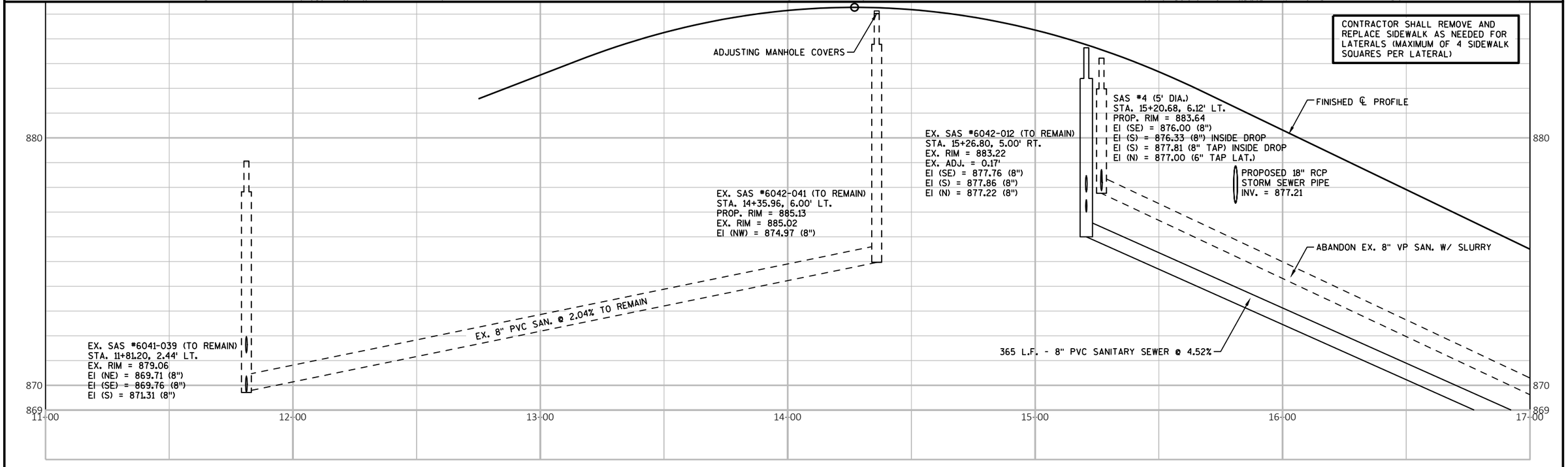
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	WATERMAIN: OAKRIDGE AVENUE/SUGAR AVENUE	SHEET 142	E

2



BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#1	14+0.5	21.9' RT.	CUT CROSS IN SIDEWALK	885.71



PROJECT NO: 5992-10-18	HWY: ATWOOD AVENUE	COUNTY: DANE	SANITARY SEWER	SHEET 143	E

2

MATCHLINE STA. 17+00

MATCHLINE STA. 23+00

ATWOOD AVENUE

GARRISON STREET

WELCH AVENUE

CENTER AVENUE

EX. 8" PVC SAN. TO REMAIN

EX. 6" VP SAN. TO REMAIN

EX. 6" VP SAN. TO REMAIN

EX. SAS #6042-034

BM#2

SAS #3

SAS #5

SAS #2

SAS #6

BORING #2

SANITARY SEWER TAP

PLUG LATERAL (TYP.)

INSTALL ELECTRONIC MARKER BALL ABOVE LATERAL AT PROPERTY LINE AND SEWER MAIN (TYP.)

MAKE LATERAL CONNECTION IN SIDEWALK TO PREVENT DISTURBING EXISTING TREE

44" TREE

5" TREE

20" TREE

7" TREE

24" TREE

18" TREE

20" TREE

14" TREE

18" TREE

365 L.F. - 8" PVC SANITARY SEWER @ 4.52%

ABANDON EX. 8" VP SAN. W/ SLURRY

ABANDON EX. SAS #6042-011

REM. EX. 6" VP SAN.

248 L.F. - 8" PVC SANITARY SEWER @ 1.57%

ABANDON EX. 8" VP SAN. W/ SLURRY

49 L.F. - 8" PVC SANITARY SEWER @ 1.92%

259 L.F. - 8" PVC SANITARY SEWER @ 2.47%

49 L.F. - 8" PVC SANITARY SEWER @ 2.69%

REM. EX. SAS #6042-010

REM. EX. 6" VP SAN.

ABANDON EX. 6" VP SAN. W/ SLURRY

EX. 6" VP SAN. IS INSTALLED ON A CURVE. A ULO IS REQUIRED TO FIND THE EXISTING SANITARY SEWER LOCATION FOR RECONNECTION

SEE WELCH AVENUE SANITARY SEWER PLAN & PROFILE SHEETS

SEE CENTER AVENUE SANITARY SEWER PLAN & PROFILE SHEETS

BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#2	18+48.1	30.5' LT.	CUT CROSS IN SIDEWALK	868.49

CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAXIMUM OF 4 SIDEWALK SQUARES PER LATERAL)

PROPOSED 12" RCP STORM SEWER PIPE INV. = 870.05

PROPOSED 12" RCP STORM SEWER PIPE INV. = 865.57

PROPOSED 18" RCP STORM SEWER PIPE INV. = 862.82

FINISHED ℄ PROFILE

ABANDON EX. 8" VP SAN. W/ SLURRY

365 L.F. - 8" PVC SANITARY SEWER @ 4.52%

ABANDON EX. SAS #6042-011
STA. 18+71.26, 10.75' RT.
EX. RIM = 868.33
EX. ADJ. = 0.08'
EI (SE) = 861.51 (8")
EI (S) = 861.58 (6")
EI (NW) = 861.58 (8")

SAS #3 (4' DIA.)
STA. 18+90.17, 2.70' LT.
PROP. RIM = 868.24
EI (NW) = 859.50 (8")
EI (SW) = 859.50 (8")
EI (SE) = 859.40 (8")

248 L.F. - 8" PVC SANITARY SEWER @ 1.57%

ABANDON EX. 8" VP SAN. W/ SLURRY

PROPOSED 12" RCP STORM SEWER PIPE INV. = 859.82

SAS #2 (4' DIA.)
STA. 21+38.57, 7.56' LT.
PROP. RIM = 864.14
EI (NW) = 855.50 (8")
EI (SW) = 855.50 (8")
EI (SE) = 855.40 (8")

PROPOSED 12" RCP STORM SEWER PIPE INV. = 857.04

ABANDON EX. 8" VP SAN. W/ SLURRY

REM EX. SAS #6042-010
STA. 21+32.37, 6.99' RT.
EX. RIM = 864.34
EX. ADJ. = 0.67'
EI (SE) = 855.46 (6")
EI (NW) = 856.48 (8")
EI (SW) = 857.24 (6")

259 L.F. - 8" PVC SANITARY SEWER @ 2.47%

BORING #2
GROUNDWATER ELEV. = 847.50

860

853

17+00 18+00 19+00 20+00 21+00 22+00 23+00

PROJECT NO: 5992-10-18	HWY: ATWOOD AVENUE	COUNTY: DANE	SANITARY SEWER	SHEET 144	E

2

REM. EX. 8" PVC SAN.
REM. EX SAS #6042-020
18" TREE
ABANDON EX. 6" VP SAN. W/ SLURRY
PLUG PIPE (TYP.)
24" TREE
EX. 14" CI SAN. (ABANDONED)
EX. 12" PVC SAN. TO REMAIN
SUGAR AVENUE
EX. SAS #6042-033
EX. 8" PVC SAN. TO REMAIN
EX. 5" VP SAN. TO REMAIN
EX. SAS #6042-030
CITY OF MADISON PARKS OLBRICH BOTANICAL GARDENS 3330 ATWOOD AVE
CITY OF MADISON (FIBER)
CITY OF MADISON (ELECTRIC)
CITY OF MADISON (ELECTRIC) GRASS
CITY OF MADISON (FORCEMAIN)
CITY OF MADISON (WATERMAIN)
CITY OF MADISON (STORM SEWER)
BOTANICAL GARDEN SIGN
ASPH.
PI: 23+55.15
PI: 24+58.15
PC: 26+05.51
PT: 27+36.91
PC: 106+30.68
PT: 107+07.91
BM#3
BM#4
MATCHLINE STA. 23+00
MATCHLINE STA. 29+00
SANITARY SEWER TAP
ATWOOD AVENUE
6-4" PVC
AT&T (FIBER)
6 MTD
EXISTING R/W
INSTALL ELECTRONIC MARKER BALL ABOVE LATERAL AT PROPERTY LINE AND SEWER MAIN (TYP.)
259 L.F. - 8" PVC SANITARY SEWER @ 2.47%
EX. 8" PVC SAN. @ 4.97% TO REMAIN
OAKRIDGE AVENUE
SEE OAKRIDGE AVENUE SANITARY SEWER PLAN & PROFILE SHEETS
SAS #16
SAS #1
12 L.F. - 8" PVC SANITARY SEWER @ 3.67%
24 L.F. - 8" PVC SANITARY SEWER @ 4.97%
CONCRETE PIPE SUPPORT, SEE CONSTRUCTION DETAILS
SCULPTURE FOUNDATION
CITY OF MADISON PARKS OLBRICH PARK 3301 ATWOOD AVE
EX. 8" PVC SAN. TO REMAIN
SEE LAKELAND AVENUE SANITARY SEWER PLAN & PROFILE SHEETS
LAKELAND AVENUE
EX. 16" CI SAN. (ABANDONED)
EX. 6" FORCEMAIN (ABANDONED)
DRINKING FOUNTAIN
RETAINING WALL
N

BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#3	23+75.3	30.2' LT.	CUT CROSS IN SIDEWALK	858.37
BM#4	27+75.2	30.0' RT.	CUT CROSS IN SIDEWALK	851.39

SAS #1 (5' DIA.)
STA. 23+92.35, 8.51' LT.
PROP. RIM = 857.72
EI (SW) = 849.00 (TAP), 844.33 (8") (INSIDE DROP)
EI (NW) = 849.00 (TAP), 844.33 (8") (INSIDE DROP)
EI (NE) = 844.00 (8")

PROPOSED 12" RCP STORM SEWER PIPE INV. = 855.53
ABANDON EX. 8" VP SAN. W/ SLURRY
PROPOSED 30" RCP STORM SEWER PIPE INV. = 852.34
259 L.F. - 8" PVC SANITARY SEWER @ 2.47%
ADJUSTING MANHOLE COVERS, INSTALL INTERNAL CHIMNEY SEAL
INSTALL EXTERNAL SEWER ACCESS STRUCTURE JOINT SEAL, SEE SANITARY SEWER PRECAST SAS DETAIL (S.D.D. 5.7.2)
CONSTRUCT INSIDE DROP EI = 849.00, 844.33
ADJUSTING MANHOLE COVERS
FINISHED ℄ PROFILE

850
843

24 L.F. - 8" PVC SANITARY SEWER @ 4.97%

SAS #16 (5' DIA.)
STA. 23+80.37, 15.12' RT.
PROP. RIM = 858.18
EI (SW) = 853.36 (INSIDE DROP) TAP
EI (SW) = 560.67 (INSIDE DROP)
EI (NE) = 850.34 (8")

REM EX. SAS #6042-020
STA. 23+87.15, 1.75' RT.
EX. RIM = 858.19
EX. ADJ. = 0.67'
EI (NE) = 843.65 (8")
EI (SW) = 852.64 (8") (INSIDE DROP)
EI (NW) = 852.99 (6") (INSIDE DROP)

EX. SAS #6042-033 (TO REMAIN)
STA. 24+02.87, 14.72' LT.
PROP. RIM = 857.28
EX. RIM = 857.46
EX. ADJ. = 0.50'
EI (NE) = 843.55 (12")
EI (SW) = 843.56 (8")
EI (SE) = 843.66 (8")

EX. 8" PVC SAN. @ 0.26% TO REMAIN

EX. SAS #6042-030 (TO REMAIN)
STA. 25+63.73, 14.97' LT.
PROP. RIM = 852.74
EX. RIM = 853.05
EX. ADJ. = 0.17'
EI (NW) = 844.07 (8")
EI (SW) = 844.25 (8")
EI (NE) = 844.45 (18' OF LATERAL 6" PVC)

23+00 24+00 25+00 26+00 27+00 28+00 29+00

REM. EX. 8" PVC SAN.
12 L.F. - 8" PVC SANITARY SEWER @ 3.67%
SANITARY SEWER TAP EI = 843.56 (8")
RECONSTRUCT BENCH AND FLOWLINES, SANITARY SEWER IF NEEDED

PROJECT NO: 5992-10-18	HWY: ATWOOD AVENUE	COUNTY: DANE	SANITARY SEWER	SHEET 145	E

2

CITY OF MADISON PARKS OLBRICH BOTANICAL GARDENS
3330 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

STARKWEATHER CREEK

CITY OF MADISON (WATERMAIN)

SHRUBS

MULCH

IRON FENCE

EXISTING R/W

GRASS

ASPH.

CONC.

BM#5

PI: 29+70.29

PI: 31+27.82

PI: 33+54.16

CITY OF MADISON (STORM SEWER)

CITY OF MADISON (WATERMAIN)

CITY OF MADISON (ELECTRIC)

MATCHLINE STA. 29+00

PC: 108+52.91
PT: 108+54.99

PI: 110+39.72

ATWOOD AVENUE

PC: 112+51.18
PT: 112+57.53

AT&T (FIBER)

6 MTD

6-4" PVC

CITY OF MADISON (FIBER)

BORING #3

CITY OF MADISON (FORCEMAIN)

9 MCD

EX. 6" FORCEMAIN (ABANDONED)

ABANDON SANITARY SEWER-PIPE PLUG

REM. EX. 6" FORCEMAIN (ABANDONED) FOR STRUCTURE EXCAVATION

ABANDON SANITARY SEWER-PIPE PLUG

ABANDON SANITARY SEWER-PIPE PLUG

REM. EX. 6" FORCEMAIN (ABANDONED) FOR STRUCTURE EXCAVATION

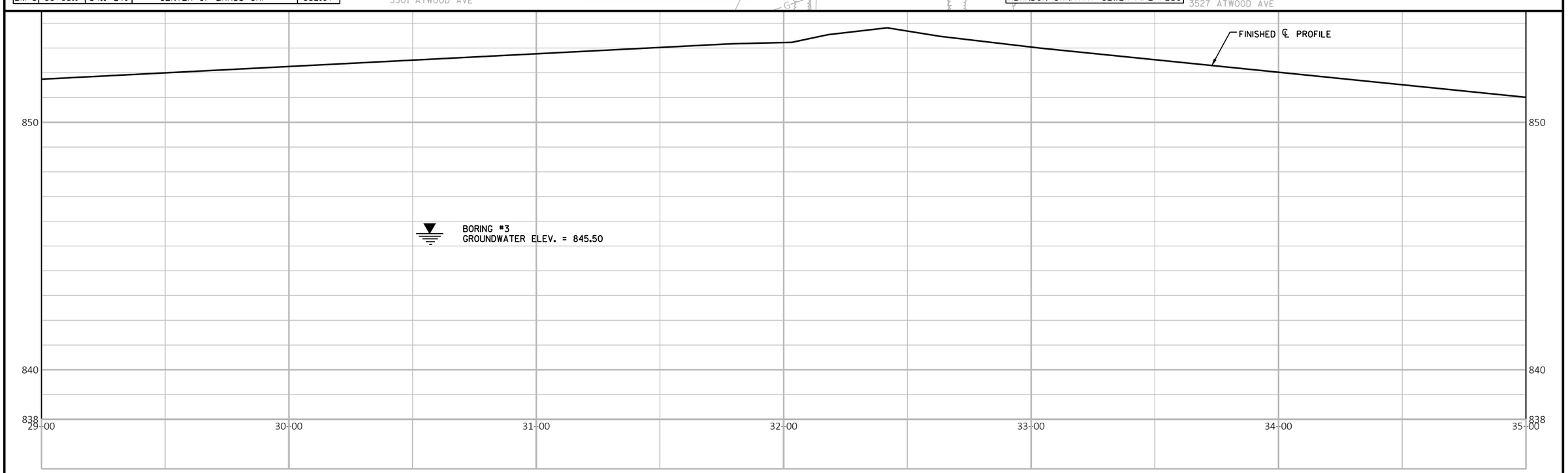
EX. 6" FORCEMAIN (ABANDONED)

BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#5	33+93.1	34.1' LT.	CENTER OF BRASS CAP	852.07

CITY OF MADISON PARKS OLBRICH PARK
3301 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

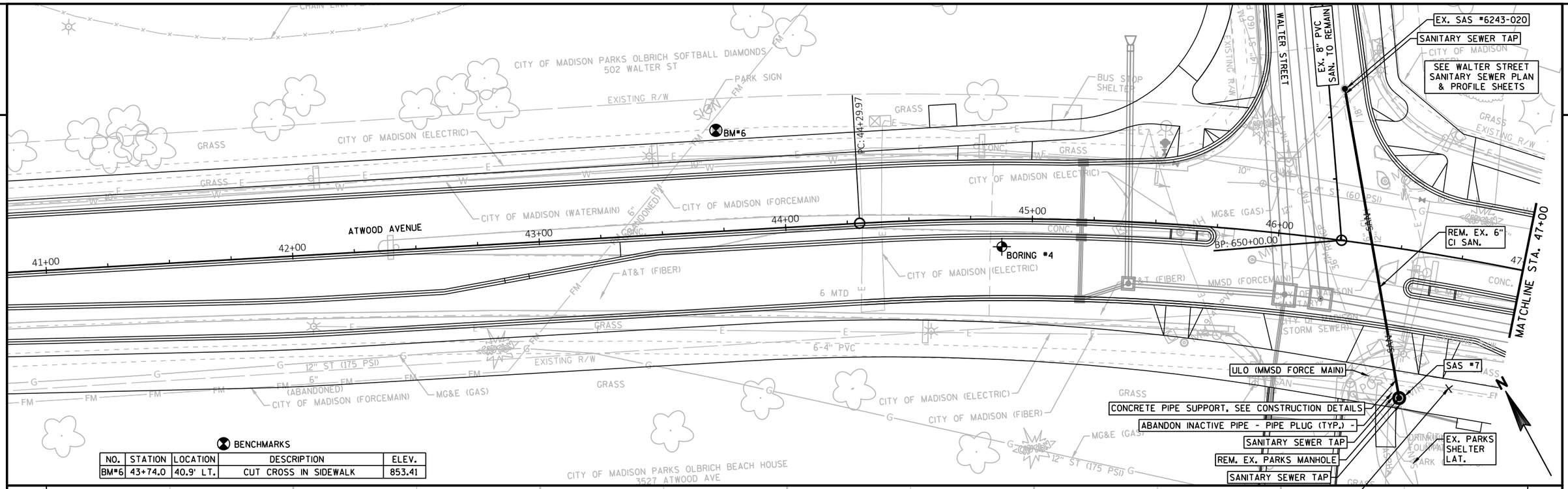


PROJECT NO: 5992-10-18	HWY: ATWOOD AVENUE	COUNTY: DANE	SANITARY SEWER	SHEET 146	E

FILE NAME : P:\370S\373\00373071\CADD\DESIGN\PIPENETWORKS\SANITARY SEWER.DWG
LAYOUT NAME - 023004-san

PLOT DATE : 10/3/2022 12:45 PM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

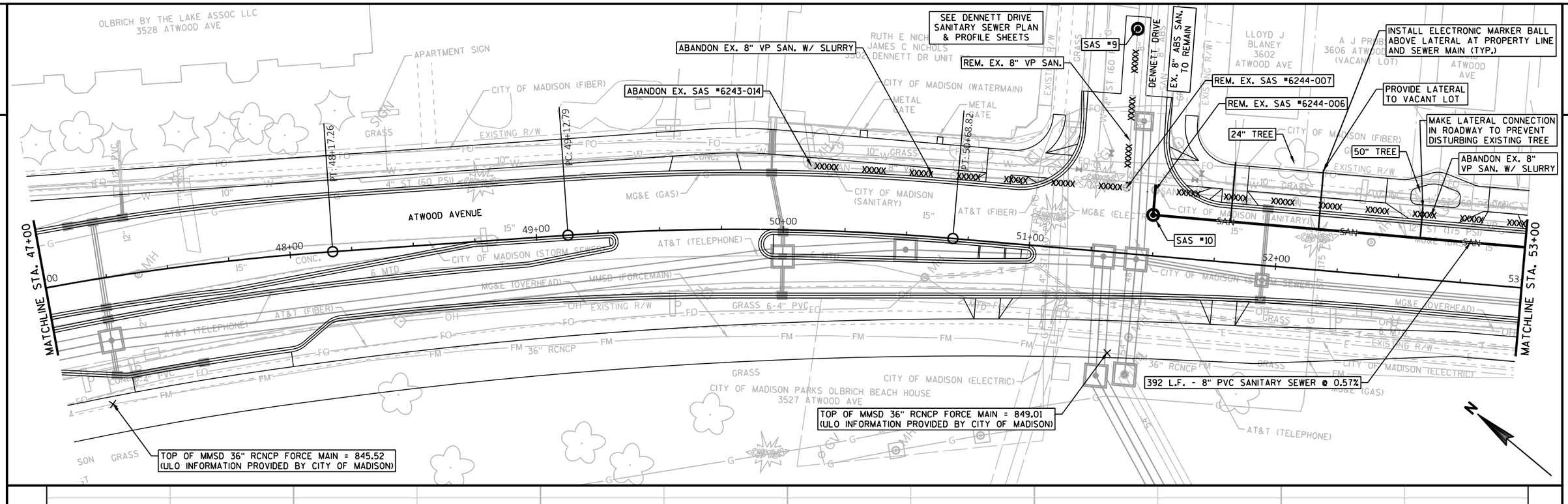
2

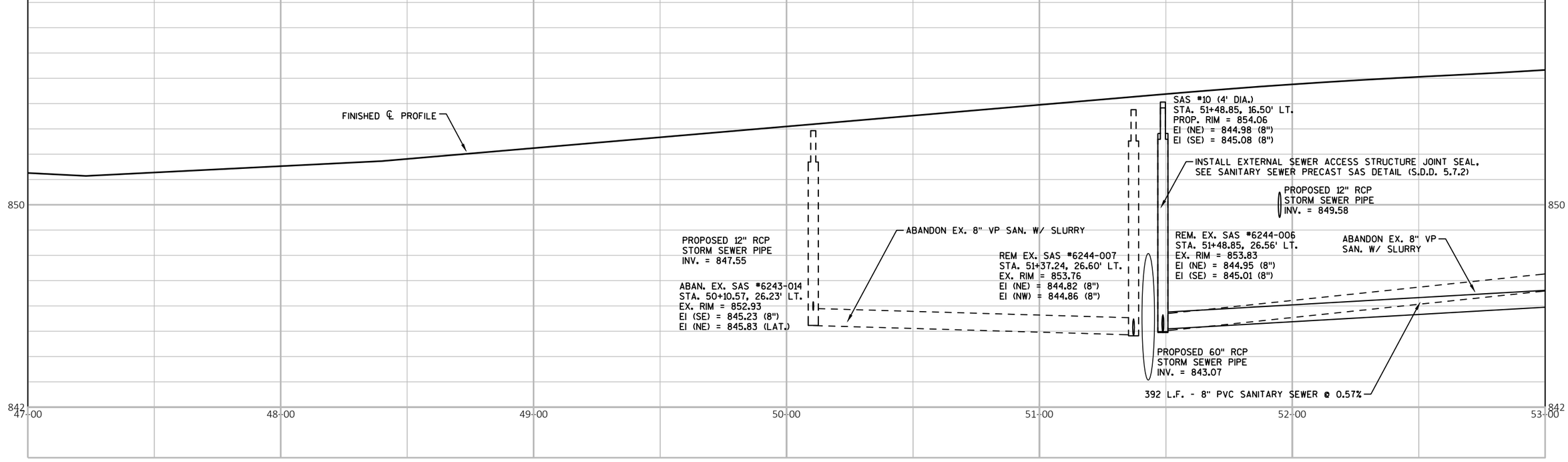


BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#6	43+74.0	40.9' LT.	CUT CROSS IN SIDEWALK	853.41

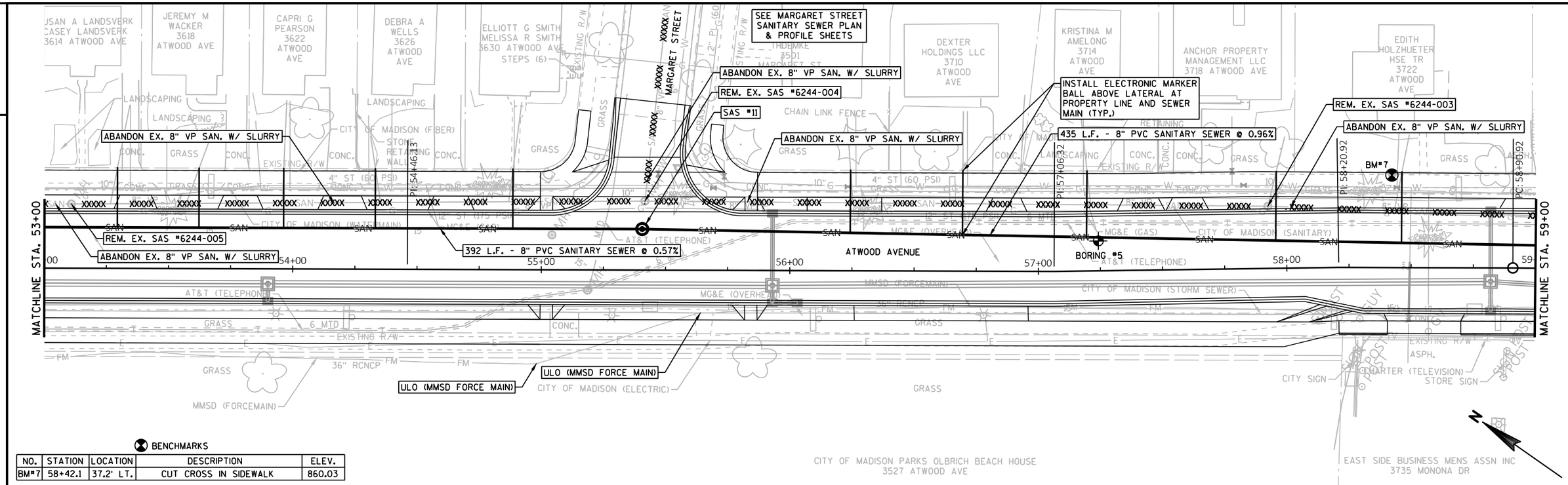
PROJECT NO: 5992-10-18	HWY: ATWOOD AVENUE	COUNTY: DANE	SANITARY SEWER	SHEET 147	E





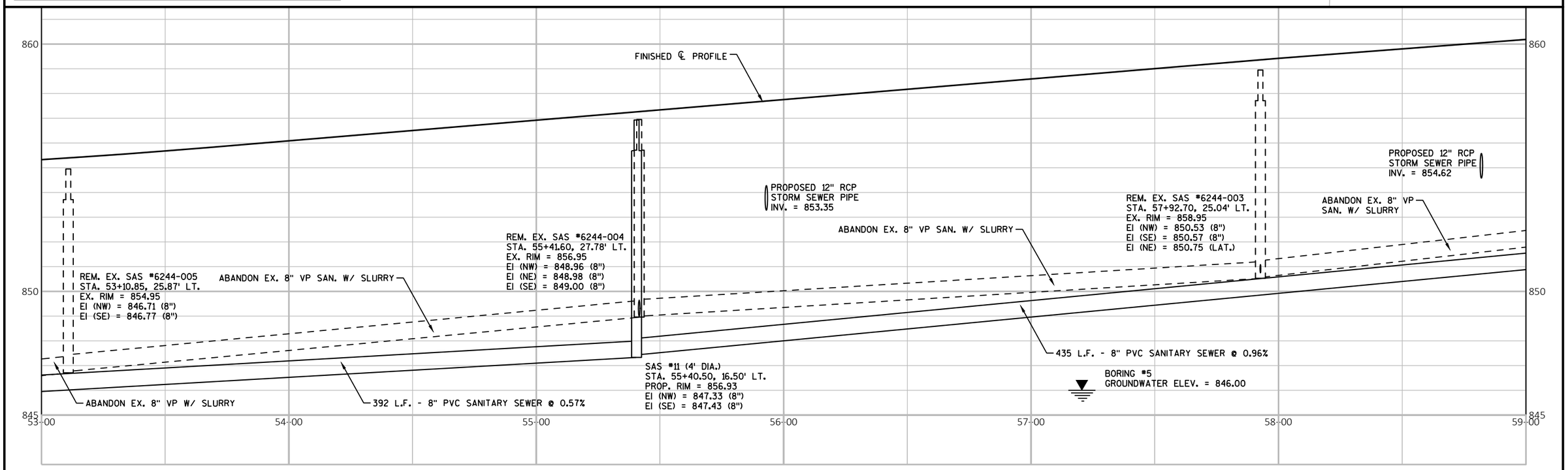
PROJECT NO: 5992-10-18	HWY: ATWOOD AVENUE	COUNTY: DANE	SANITARY SEWER	SHEET 148	E

2



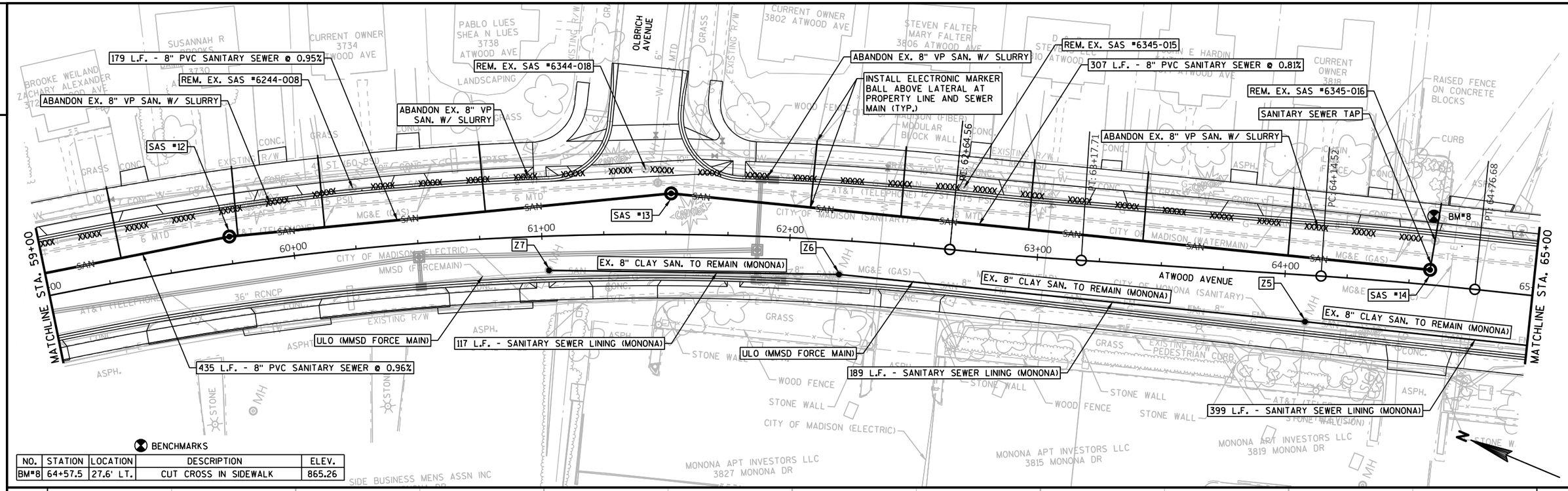
BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#7	58+42.1	37.2' LT.	CUT CROSS IN SIDEWALK	860.03



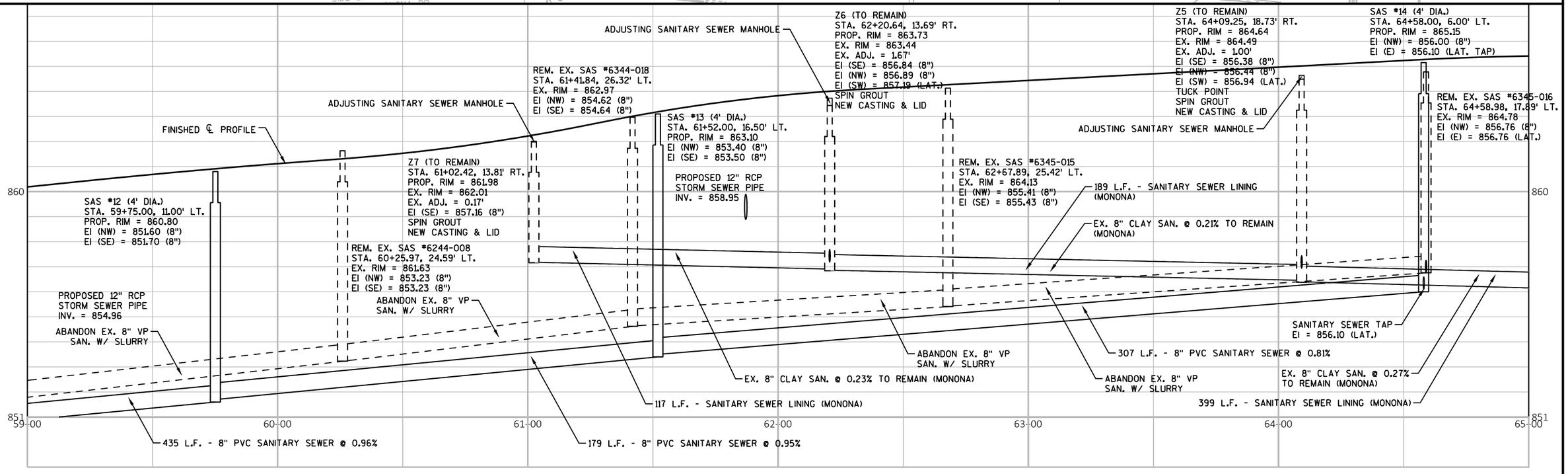
PROJECT NO: 5992-10-18	HWY: ATWOOD AVENUE	COUNTY: DANE	SANITARY SEWER	SHEET 149	E

2



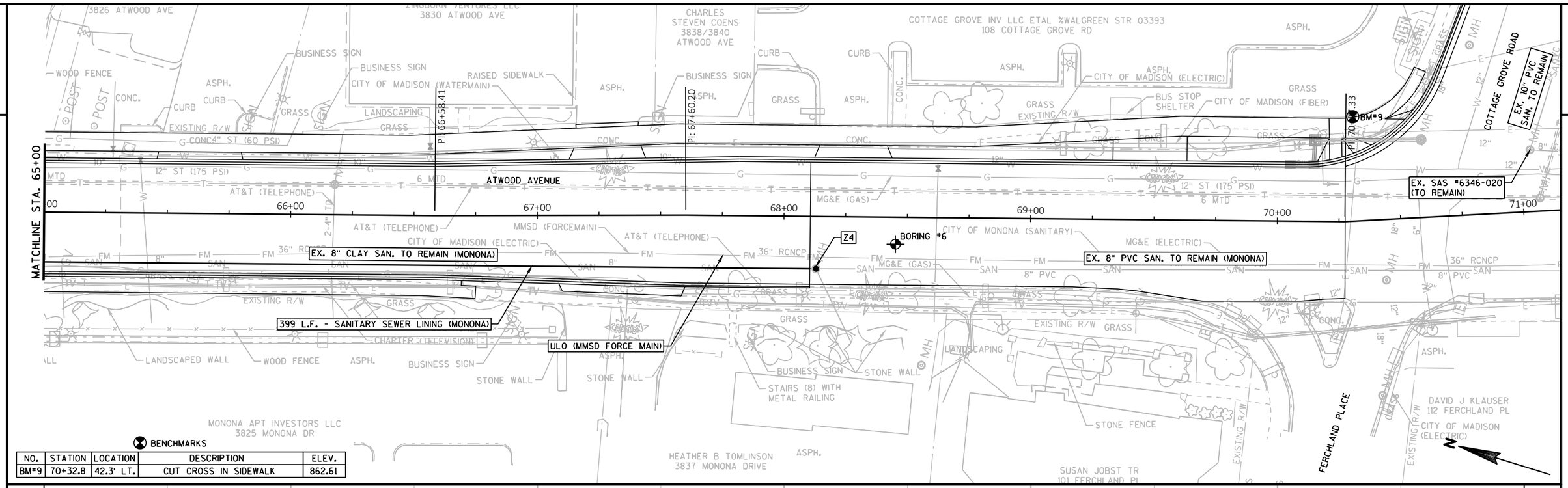
BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#8	64+57.5	27.6' LT.	CUT CROSS IN SIDEWALK	865.26



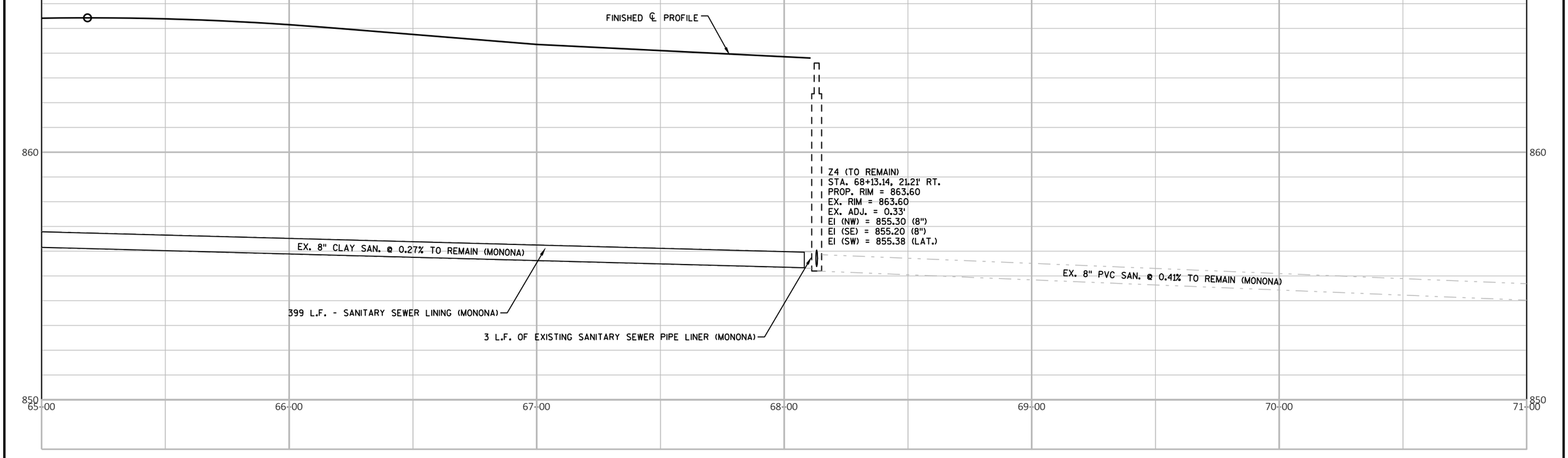
PROJECT NO: 5992-10-18	HWY: ATWOOD AVENUE	COUNTY: DANE	SANITARY SEWER	SHEET 150	E

2

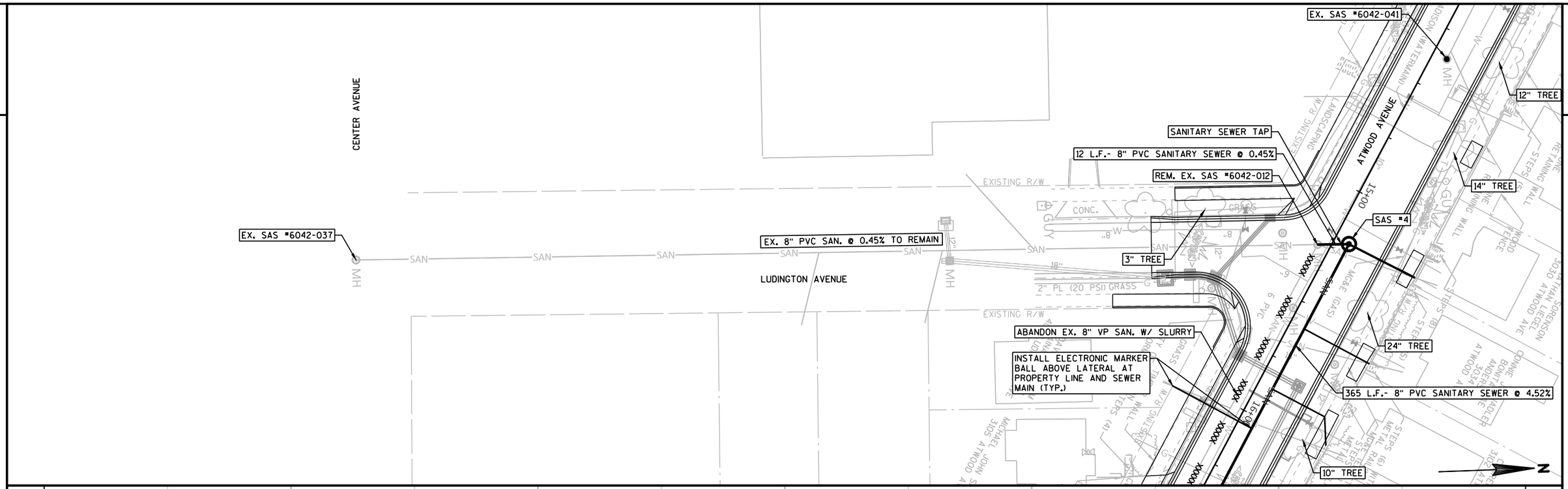


BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM*9	70+32.8	42.3' LT.	CUT CROSS IN SIDEWALK	862.61



PROJECT NO: 5992-10-18	HWY: ATWOOD AVENUE	COUNTY: DANE	SANITARY SEWER	SHEET 151	E



CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAXIMUM OF 4 SIDEWALK SQUARES PER LATERAL)

EX. SAS #6042-037 (TO REMAIN)
STA. 17+8.52, 346.59' RT.
EX. RIM = 887.31
EI (N) = 879.61 (8")
EI (S) = 879.69 (8")

EX. 8" PVC SAN. @ 0.45% TO REMAIN

PROPOSED 12" RCP STORM SEWER PIPE
INV. = 879.74

SAS #4 (5' DIA.)
STA. 15+20.68, 6.12' LT.
PROP. RIM = 883.64
EI (SE) = 876.00 (8")
EI (S) = 876.33 (8") INSIDE DROP
EI (S) = 877.81 (8" TAP) INSIDE DROP
EI (N) = 877.00 (6" TAP LAT.)

REM EX. SAS #6042-012
STA. 15+26.80, 5.00' RT.
EX. RIM = 883.22
EX. ADJ. = 0.17'
EI (SE) = 877.76 (8")
EI (S) = 877.86 (8")
EI (N) = 878.22 (5" LAT.)

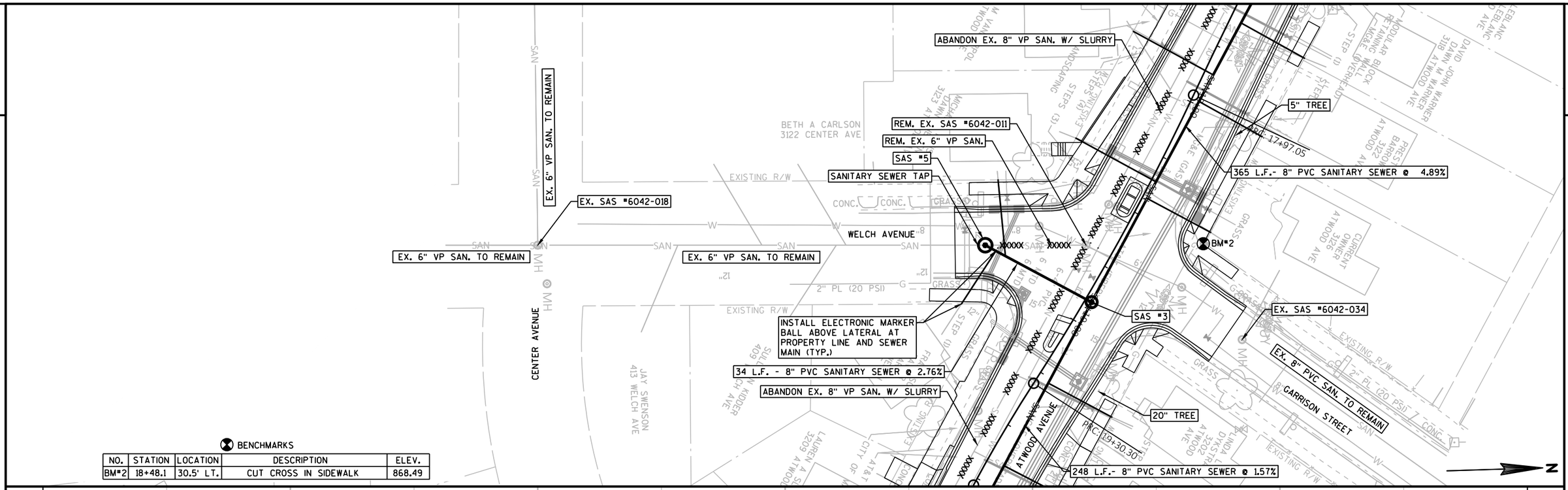
12 L.F. - 8" PVC SANITARY SEWER @ 0.45%

SANITARY SEWER TAP
EI = 877.81

880
873

PROJECT NO: 5992-10-18	HWY: ATWOOD AVENUE	COUNTY: DANE	SANITARY SEWER: LUDINGTON AVENUE	SHEET 152	E

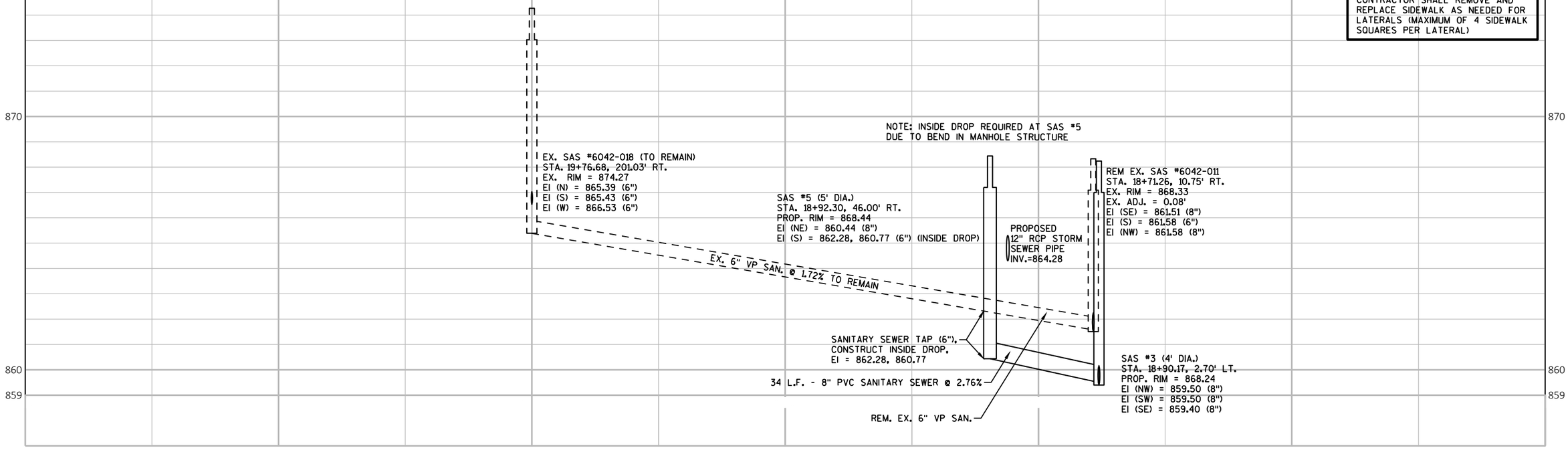
2



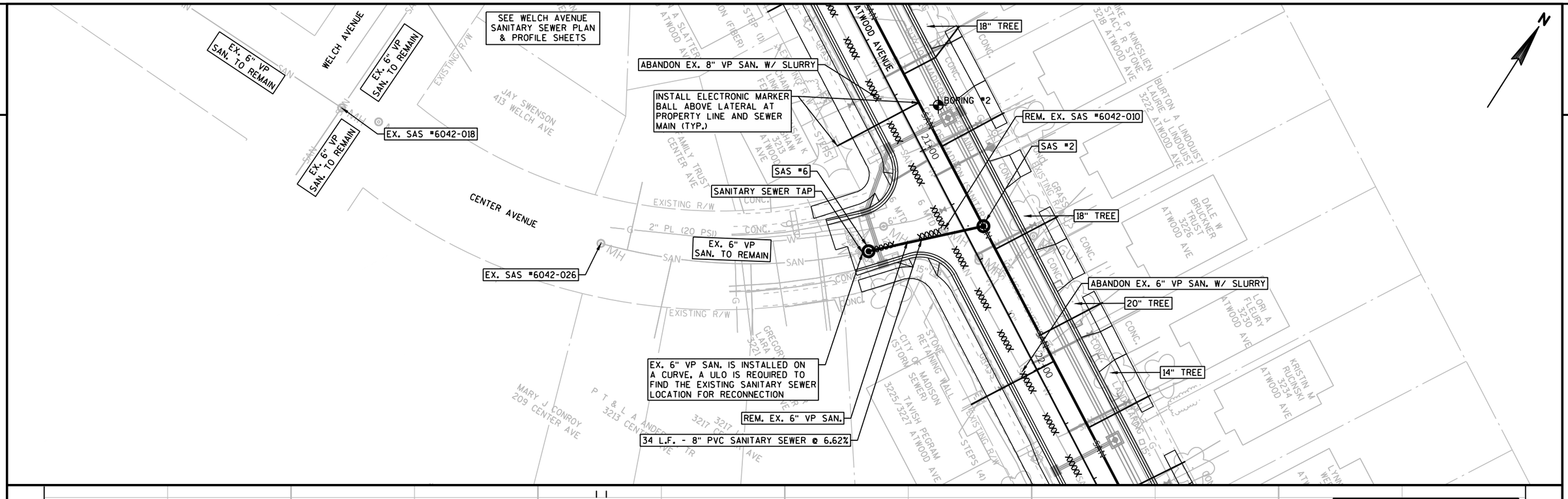
BENCHMARKS

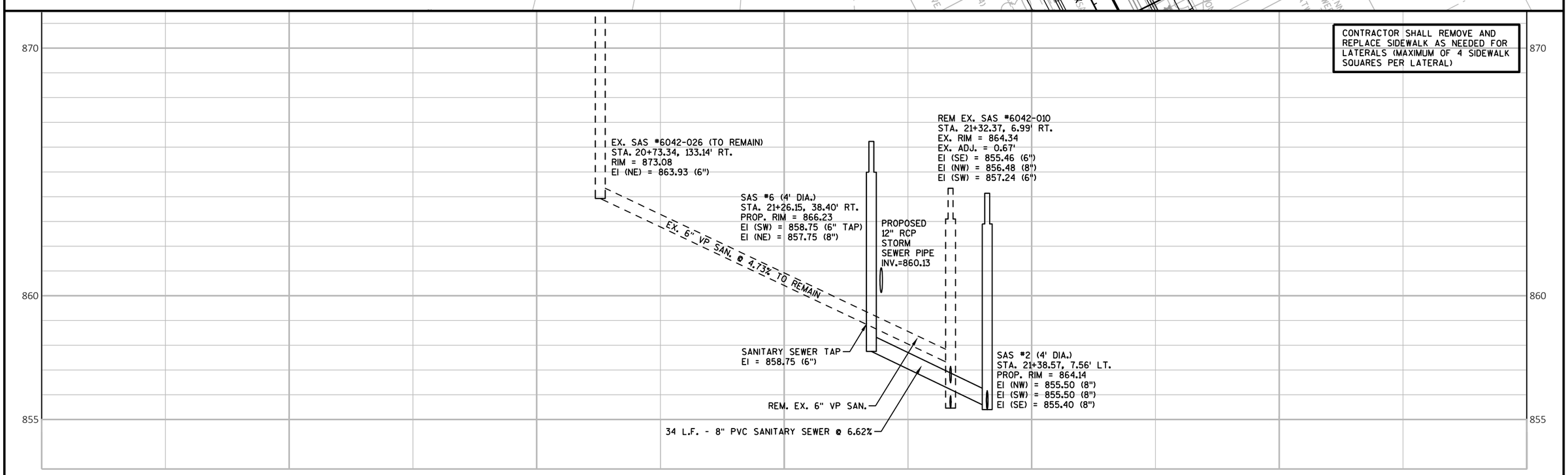
NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#2	18+48.1	30.5' LT.	CUT CROSS IN SIDEWALK	868.49

CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAXIMUM OF 4 SIDEWALK SQUARES PER LATERAL)



PROJECT NO: 5992-10-18	HWY: ATWOOD AVENUE	COUNTY: DANE	SANITARY SEWER: WELCH AVENUE	SHEET 153	E

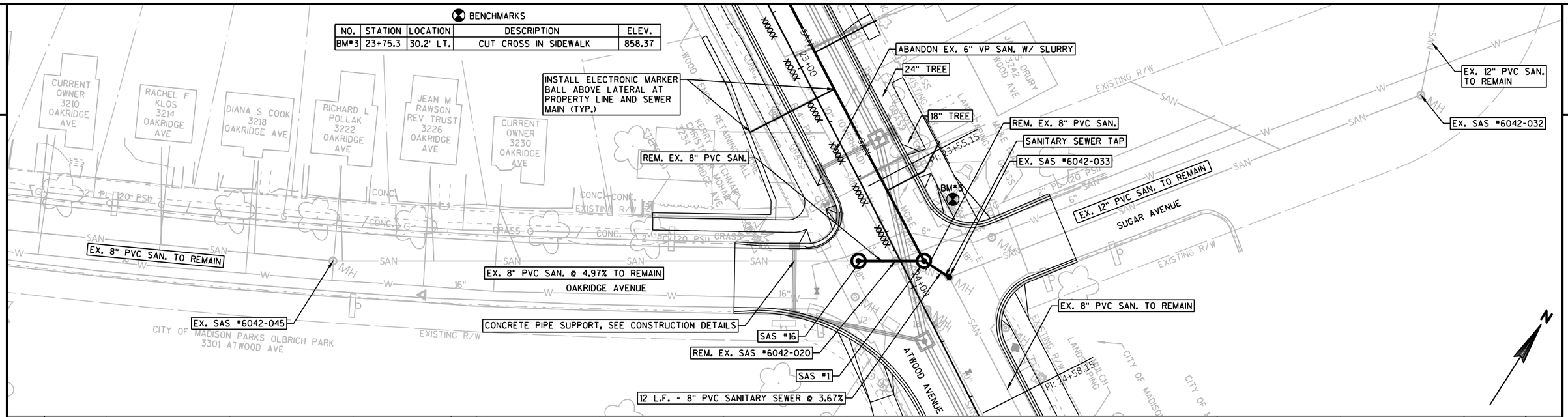


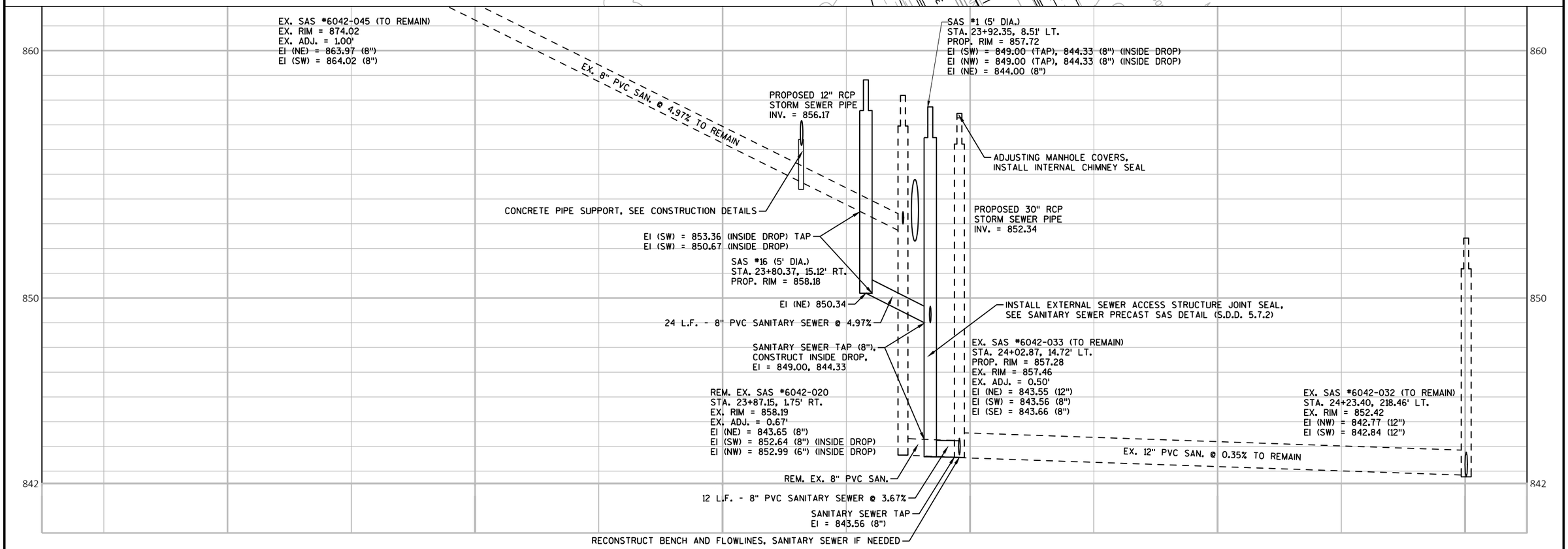


PROJECT NO: 5992-10-18	HWY: ATWOOD AVENUE	COUNTY: DANE	SANITARY SEWER: CENTER AVENUE	SHEET 154	E

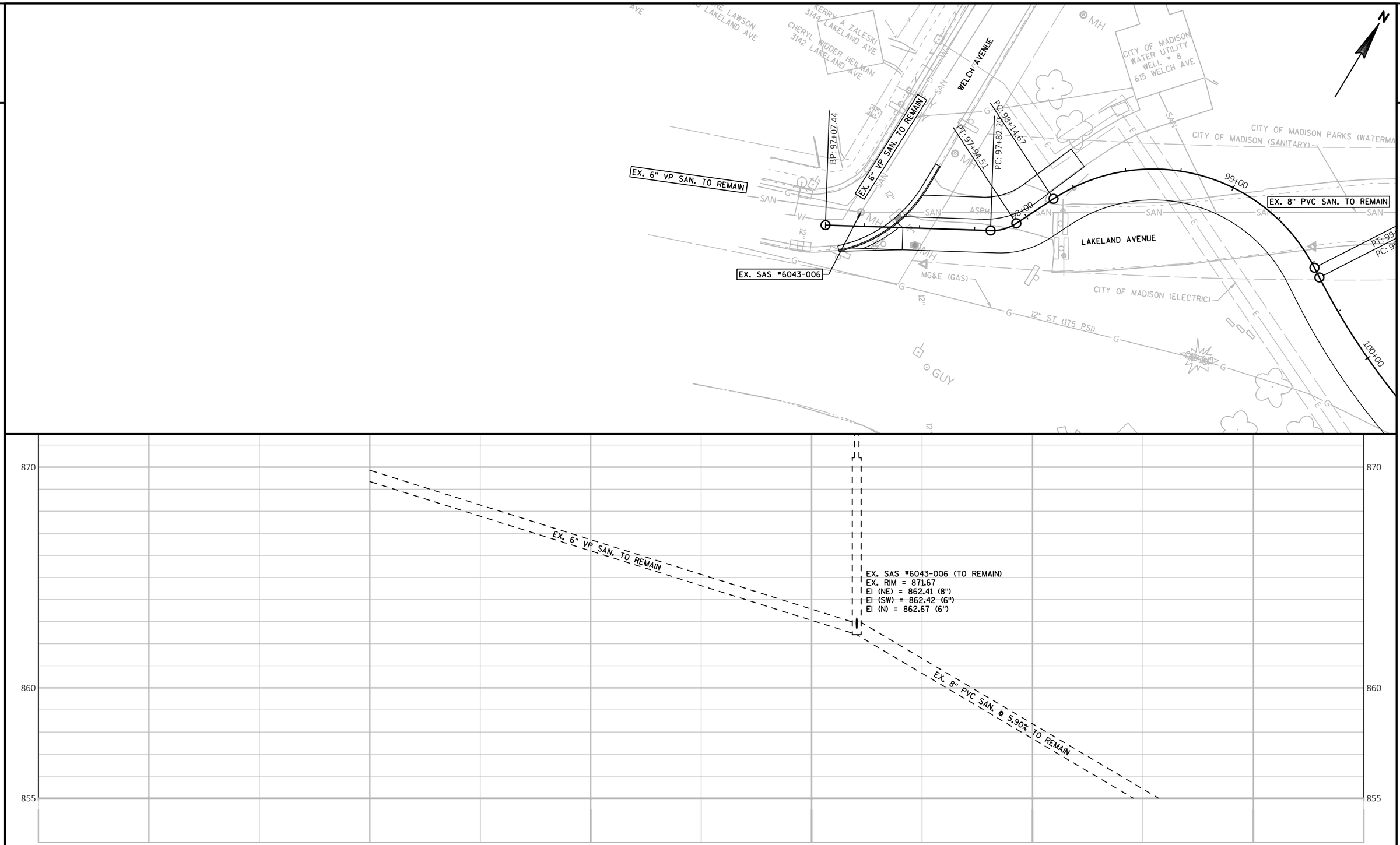
BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#3	23+75.3	30.2' LT.	CUT CROSS IN SIDEWALK	858.37





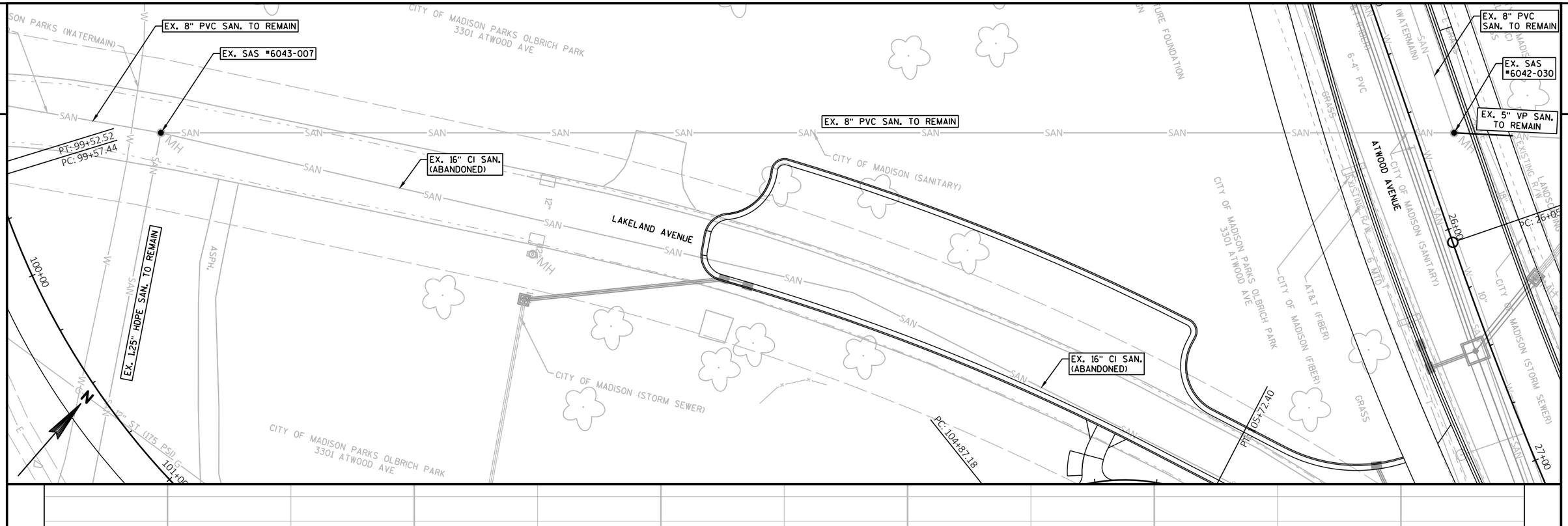
PROJECT NO: 5992-10-18	HWY: ATWOOD AVENUE	COUNTY: DANE	SANITARY SEWER: OAKRIDGE AVENUE/SUGAR AVENUE	SHEET 155	E



PROJECT NO: 5992-10-18	HWY: ATWOOD AVENUE	COUNTY: DANE	SANITARY SEWER: LAKELAND AVENUE	SHEET 156	E

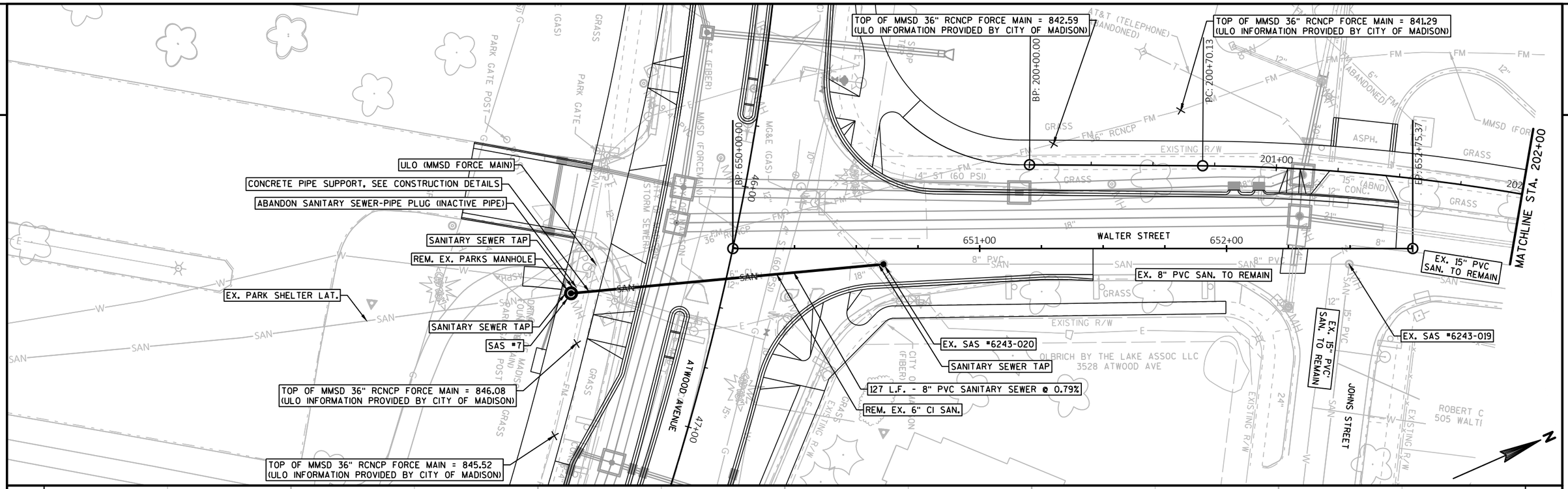
FILE NAME : P:\370S\373\00373071\CADD\DESIGN\PIPENETWORKS\SANITARY SEWER.DWG
LAYOUT NAME - 023011-san

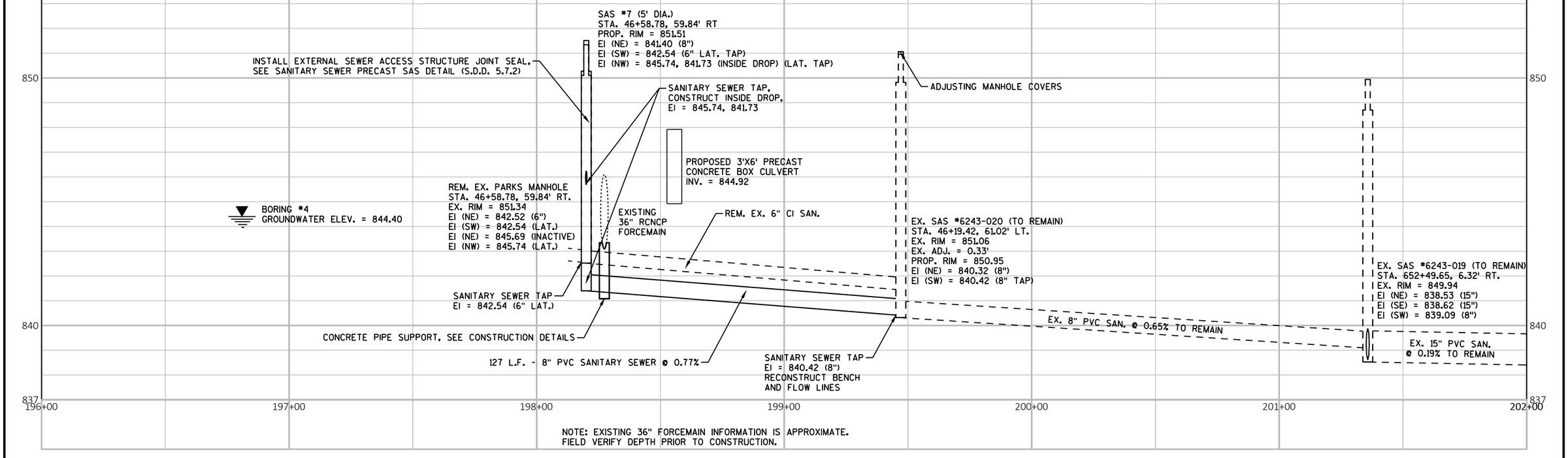
PLOT DATE : 10/3/2022 12:47 PM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 5992-10-18	HWY: ATWOOD AVENUE	COUNTY: DANE	SANITARY SEWER: LAKELAND AVENUE	SHEET 157	E

2

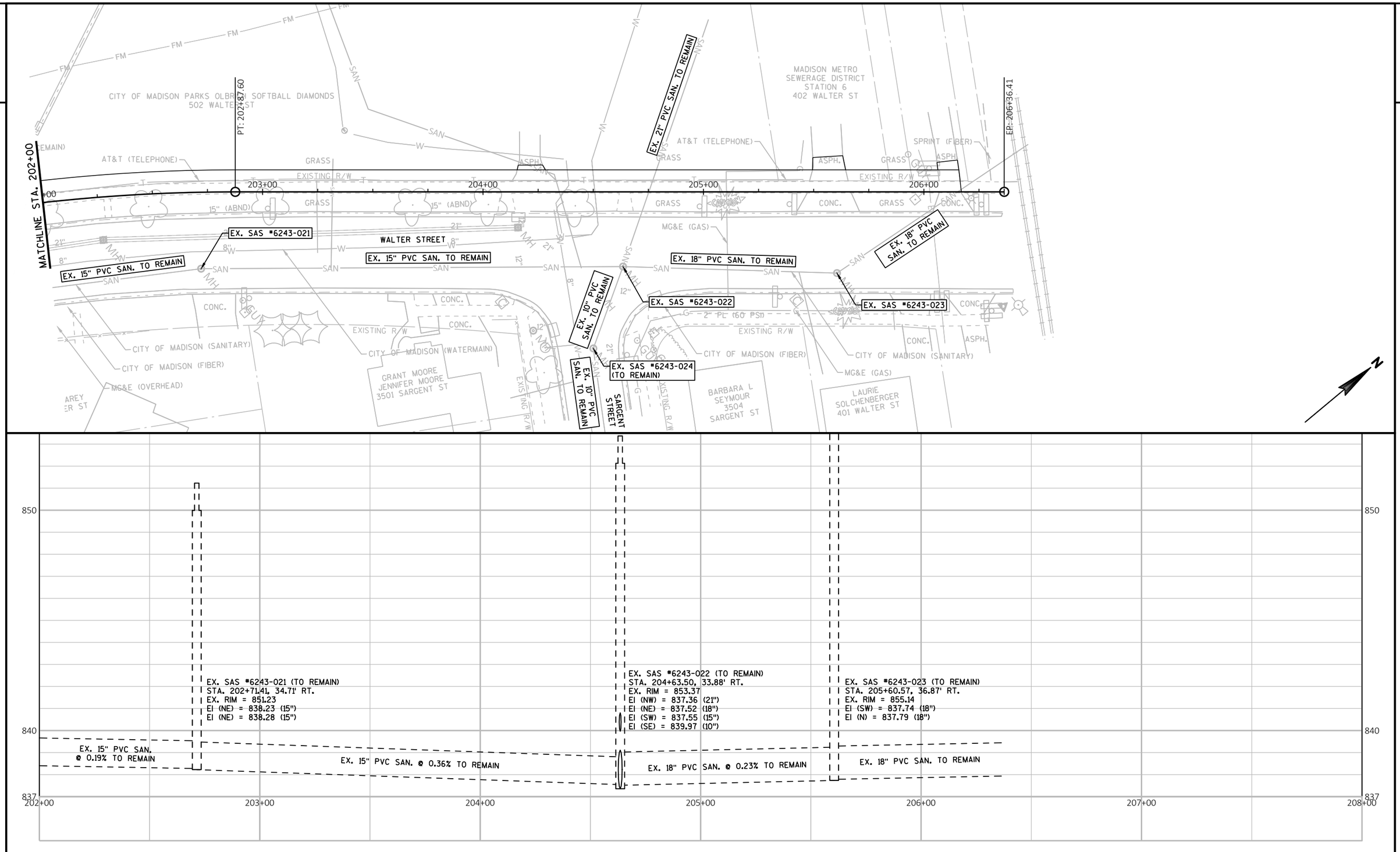




NOTE: EXISTING 36" FORCEMAIN INFORMATION IS APPROXIMATE.
FIELD VERIFY DEPTH PRIOR TO CONSTRUCTION.

PROJECT NO: 5992-10-18	HWY: ATWOOD AVENUE	COUNTY: DANE	SANITARY SEWER: WALTER STREET	SHEET 158	E

2



PROJECT NO: 5992-10-18	HWY: ATWOOD AVENUE	COUNTY: DANE	SANITARY SEWER: WALTER STREET	SHEET 159	E

2

ABANDON EX. 8" VP SAN. W/ SLURRY

REM. EX. SAS #6244-007

REM EX. 8" VP SAN.

ACTIVE LATERAL FOR 3502 DENNETT DRIVE

PT: 50+68.82

ATWOOD AVENUE

51+00

52+00

TOP OF MMSD 36" RCNCP FORCE MAIN = 849.01
(ULO INFORMATION PROVIDED BY CITY OF MADISON)

SAS #9

DENNETT DRIVE

REM. EX. SAS #6244-006

12 L.F. - 8" PVC SANITARY SEWER @ 0.28%
(CONNECT TO EXISTING 8" ABS SANITARY SEWER)
(COMPRESSION COUPLING REQ'D.)

SAS #10

INSTALL ELECTRONIC MARKER BALL ABOVE LATERAL AT PROPERTY LINE AND SEWER MAIN (TYP.)

ABANDON EX. 8" VP SAN. W/ SLURRY

EX. 8" VP SAN. TO REMAIN

EX. 8" ABS SAN. TO REMAIN

EX. SAS #6243-015

EX. 10" PVC SAN. TO REMAIN

EX. 8" VP SAN. TO REMAIN

EX. SAS #6243-016

EX. 15" PVC SAN. TO REMAIN

EX. SAS #6243-013

EX. 8" VP SAN. TO REMAIN

EX. 15" PVC SAN. TO REMAIN

JOHNS STREET

BUSSE STREET

CITY OF MADISON (ELECTRIC)

CITY OF MADISON (SANITARY)

AT&T (TELEPHONE)

MG&E (ELECTRIC)

MICHAEL CHARLES MELVIN
JACLYN MARIE MELVIN
3514 DENNETT DR

ELIZABETH MOON
3518 DENNETT DR

CURRENT OWNER
3522 DENNETT DR

KATHLEEN A DREW
3526 DENNETT DR

RAYMOND KARAS
JOYCE KARAS
3601 BUSSE ST

ZACHARY BRAZGEL
NICOLE WENNER
3606 BUSSE ST

EXISTING R/W

N

INSTALL EXTERNAL SEWER ACCESS STRUCTURE JOINT SEAL.
SEE SANITARY SEWER PRECAST SAS DETAIL (S.D.D. 5.7.2)

SAS #10 (4' DIA.)
STA. 51+48.85, 16.50' LT.
PROP. RIM = 854.06
EI (NE) = 844.98 (8")
EI (SE) = 845.08 (8")

REM. EX. SAS #6244-006
STA. 51+48.85, 26.56' LT.
EX. RIM = 853.83
EI (NE) = 844.95 (8")
EI (SE) = 845.01 (8")

REM. EX. SAS #6244-007
STA. 51+37.24, 26.60' LT.
EX. RIM = 853.76
EI (NE) = 844.82 (8")
EI (NW) = 844.86 (8")

INSTALL EXTERNAL SEWER ACCESS STRUCTURE JOINT SEAL.
SEE SANITARY SEWER PRECAST SAS DETAIL (S.D.D. 5.7.2)

SAS #9 (4' DIA.)
STA. 51+37.25, 91.0' LT.
PROP. RIM = 852.94
EI (NE) = 844.64 (8")

EX. SAS #6243-015 (TO REMAIN)
STA. 51+32.41, 309.01' LT.
EX. RIM = 851.77
EI (NE) = 841.67 (10")
EI (SW) = 843.81 (8")
EI (SE) = 844.03 (8")

EX. SAS #6243-013 (TO REMAIN)
STA. 51+44.62, 310.03' LT.
EX. RIM = 851.59
EI (NW) = 843.97 (8")
EI (SE) = 843.99 (8")
EI (SW) = 844.16 (8")

EX. SAS #6243-016 (TO REMAIN)
STA. 51+27.64, 426.90' LT.
EX. RIM = 851.12
EI (NW) = 840.32 (15")
EI (SE) = 840.37 (15")
EI (SW) = 841.12 (10")

EX. 8" VP SAN. @ 0.28% TO REMAIN

EX. 8" VP SAN. @ 0.36% TO REMAIN

EX. 10" PVC SAN. @ 0.47% TO REMAIN

12 L.F. - 8" PVC SANITARY SEWER @ 0.28%

12 L.F. - 8" PVC SANITARY SEWER @ 0.36%

CONNECT TO EXISTING 8" VP SANITARY SEWER
(COMPRESSION COUPLING REQ'D.)

REM. EX. 8" VP SAN.

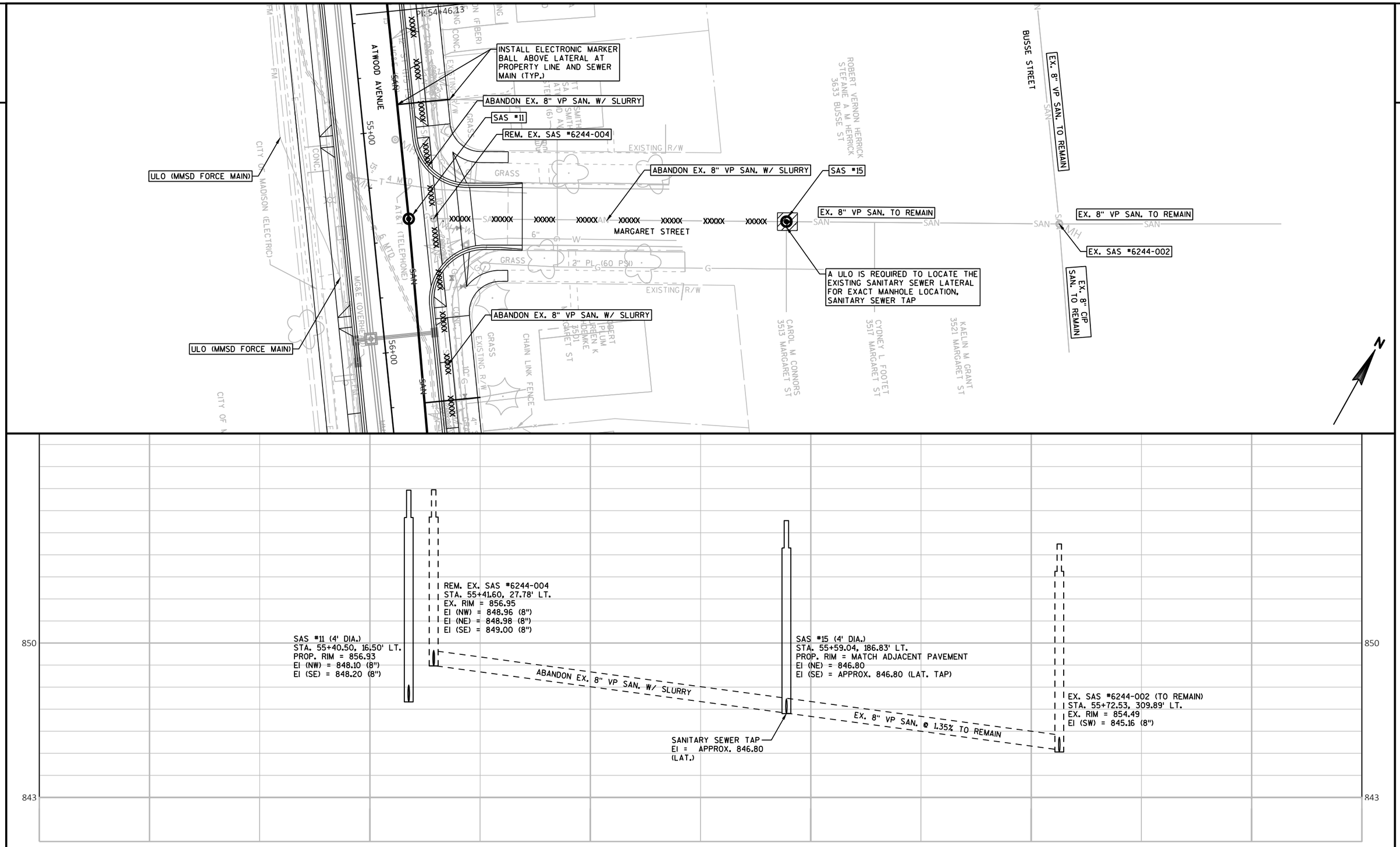
CONNECT TO EXISTING 8" ABS SANITARY SEWER
(COMPRESSION COUPLING REQ'D.)

850

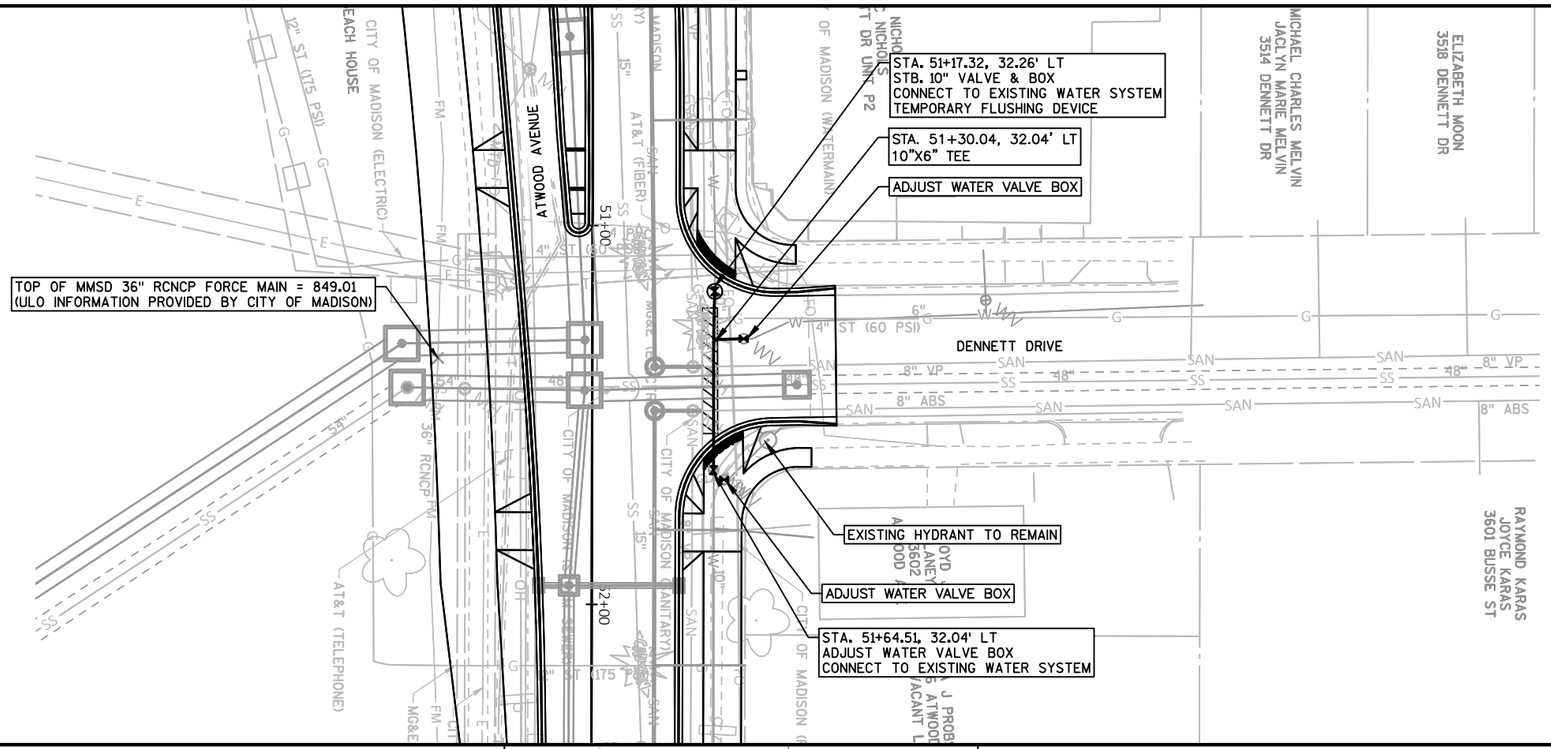
840

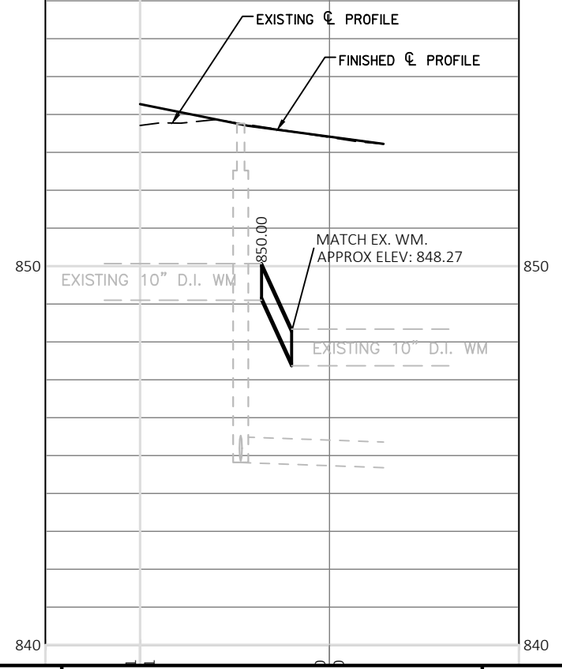
PROJECT NO: 5992-10-18	HWY: ATWOOD AVENUE	COUNTY: DANE	SANITARY SEWER: DENNETT DRIVE	SHEET 160	E

2



PROJECT NO: 5992-10-18	HWY: ATWOOD AVENUE	COUNTY: DANE	SANITARY SEWER: MARGARET STREET	SHEET 161	E





NOTES

1. CONSTRUCT WATER MAIN AS SHOWN IN THE PLANS. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	WATERMAIN: DENNETT DRIVE	SHEET 162	E

2

2

(ON TRAFFIC SIGNAL POLE)
NO TURN ON RED 7AM - 6PM MON. - FRI.
TO REMAIN

(ON TRAFFIC SIGNAL POLE)
NO TURN ON RED 7AM - 6PM MON. - FRI.
TO REMAIN

FAIR OAKS AVENUE

(ON TRAFFIC SIGNAL POLE)
S Fair Oaks Av
Atwood Av
TO REMAIN

(ON TROMBONE ARM)
S Fair Oaks Av
TO REMAIN

(ON TRAFFIC SIGNAL POLE)
LEFT TURN SIGNAL
TO REMAIN

(ON TRAFFIC SIGNAL POLE)
NO TURN ON RED 7AM - 6PM MON. - FRI.
TO REMAIN

(ON TRAFFIC SIGNAL POLE)
NO TURN ON RED
TO REMAIN

(ON TROMBONE ARM)
S Fair Oaks Av
TO REMAIN

3002 ATWOOD INVESTMENTS LLC
3010 ATWOOD AVE

MAYNARD SC
MICHAEL S
3014 AT

ROBERT H GRETHER
PAMELA K GRETHER
3026 ATWOOD AVE

CURRENT OWNER
3102 ATWOOD AVE

CURRENT OWNER
3106 ATWOOD AVE

RICHARD WATTS
3112 ATWOOD AVE

DAVID
MELISSA
3114 A

(ON STREET LIGHT POLE)
TRUCK ROUTE ** 1-2
** 1-3
NO STOPPING STANDING PARKING 7 AM - 8:30 AM TOW AWAY ZONE ** 1-4
** 1-5

(ON STREET LIGHT POLE)
TRUCK ROUTE E1.3
REMOVE
REMOVE
REMOVE
REMOVE

E1.1
NO STOPPING STANDING PARKING TOW AWAY ZONE
REMOVE

(ON STREET LIGHT POLE)
NO STOPPING STANDING PARKING 7 AM - 8:30 AM TOW AWAY ZONE E1.4
REMOVE

(ON STREET LIGHT POLE)
NO STOPPING STANDING PARKING 7 AM - 8:30 AM TOW AWAY ZONE ** 1-7

(ON TROMBONE ARM)
FLASHING WARNING BEACON
E1.5
REMOVE

(OVERHEAD ON TROMBONE ARM)
1-8
W3-3
36"X36"

(ON STREET LIGHT POLE)
Atwood Av ** 1-11
Ludington Av ** 1-12
NO STOPPING STANDING PARKING 7 AM - 8:30 AM TOW AWAY ZONE ** 1-13

(ON STREET LIGHT POLE)
Atwood Av E1.8
REMOVE
Ludington Av
REMOVE
NO STOPPING STANDING PARKING 7 AM - 8:30 AM TOW AWAY ZONE
REMOVE

STONE RETAINING WALL
WOOD FENCE
WOOD RAILING
GRASS
ASPH.
STEPS (5)
STEPS (6) WITH METAL RAILING
STEPS (10)
LANDSCAPING

2" PE (20 PSI)
4" PE (20 PSI)
6" PVC
8" PVC
8" VP
10"
12"
18-FT

11+00
12+00
13+00
14+00
15+00
16+00
17+00
MATCHLINE STA. 17+00
PC=16+62.62

ATWOOD AVENUE

(ON TRAFFIC SIGNAL POLE)
NO TURN ON RED 7AM - 6PM MON. - FRI.
TO REMAIN
HILARY ANN STEIN
2929 ATWOOD AVE

(ON TRAFFIC SIGNAL POLE)
EXCEPT BIKES AND POLICE AUTHORIZED VEHICLES
TO REMAIN

(ON TRAFFIC SIGNAL ARM)
EXCEPT BIKES AND POLICE AUTHORIZED VEHICLES
TO REMAIN

(ON TRAFFIC SIGNAL ARM)
EXCEPT BIKES AND POLICE AUTHORIZED VEHICLES
TO REMAIN

(ON TRAFFIC SIGNAL POLE)
Maple Av
TO REMAIN

(ON TRAFFIC SIGNAL POLE)
DO NOT ENTER
EXCEPT BIKES AND POLICE AUTHORIZED VEHICLES
TO REMAIN

MAPLE AVENUE

(ON TRAFFIC SIGNAL POLE)
NO TURN ON RED
TO REMAIN

(ON TRAFFIC SIGNAL POLE)
DO NOT ENTER
EXCEPT BIKES AND POLICE AUTHORIZED VEHICLES
TO REMAIN

NO PARKING THIS SIDE * 1-1
NO PARKING THIS SIDE E1.2
REMOVE

1-6

METRO SCHOOL DISTRICT
401 MAPLE AVE

1-9 * NO PARKING THIS SIDE
E1.6
NO PARKING THIS SIDE
REMOVE

E1.6
REMOVE

SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT
TO REMAIN

LUDINGTON AVENUE

1-14 NO PARKING THIS SIDE *
SPEED LIMIT 25 E1.10
REMOVE

SPEED LIMIT 25 1-15
R2-1
24"X30"

NO PARKING THIS SIDE E1.9
REMOVE

STOP E1.7
REMOVE

STOP 1-10
R1-1
30"X30"

J BLOOM
M BLOOM
'NGTON AVE

MICHAEL JOHN SHORT
3105 ATWOOD AVE

NOTES:

* PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS.

** SIGN PROVIDED AND INSTALLED BY OTHERS.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PERMANENT SIGNING	SHEET 163	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-ps

PLOT DATE : 11/2/2022 8:22 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

ATWOOD AVENUE

MATCHLINE STA. 17+00

MATCHLINE STA. 23+00

GARRISON STREET

WELCH AVENUE

CENTER AVENUE

(ON STREET LIGHT POLE)
2-15 ** S1-1 36"X36"
2-16 ** S16-7L 24"X12"
2-17 * Atwood Av
2-18 * Garrison St
2-19 STOP R1-1 30"X30"
(ON STREET LIGHT POLE)
SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT
** 2-1 S4-51 24"X48"
(ON STREET LIGHT POLE)
E2.5 REMOVE
AHEAD REMOVE
(ON STREET LIGHT POLE)
FLASHING WARNING BEACON
SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT
REMOVE E2.1
(ON TROMBONE ARM)
YOUR SPEED 00 REMOVE
FLASHING WARNING BEACON E2.2
2-3 * NO STOPPING STANDING PARKING 7 AM - 8:30 AM TOW AWAY ZONE REMOVE E2.3
E2.6 Atwood Av REMOVE
Garrison St REMOVE
STOP REMOVE
NO PARKING 8 AM TO 6 PM TO REMAIN
NO PARKING 8 AM - 11:30 AM WEDNESDAYS MAY 1 - NOV 15 TO REMAIN
(ON PEDESTAL POLE)
2-9 2-12 ** S1-1 36"X36"
2-10 2-13 ** S16-7R 24"X12"
2-11 2-14 (4' MOUNTING HEIGHT) R4-7 24"X30"
PRC: 17+97.05
PRC: 19+30.30
PT: 19+78.04
2-23 * R3-2 24"X24" 7 - 9 AM *
2-24 E2.9 REMOVE 7 - 9 AM REMOVE
(ON STREET LIGHT POLE)
NO STOPPING STANDING PARKING 7 AM - 8:30 AM TOW AWAY ZONE
** 2-25 REMOVE E2.11
2-28 * S1-1 36"X36"
2-29 * AHEAD S16-9P 24"X12"
2-30 * FINES HIGHER R2-6P 24"X18"
(ON STREET LIGHT POLE)
Center Av REMOVE E2.14
Atwood Av REMOVE
NO STOPPING STANDING PARKING REMOVE
REMOVE
(ON STREET LIGHT POLE)
Center Av ** 2-33
Atwood Av ** 2-34
NO STOPPING STANDING PARKING ** 2-35
** 2-36
REMOVE 7 - 9 AM REMOVE E2.16
(ON STREET LIGHT POLE)
R3-2 24"X24" 7 - 9 AM ** 2-40
** 2-39
(OVERHEAD ON TROMBONE ARM)
YOUR SPEED 00 R2-1C 30"X36"
2-2 **
NO PARKING THIS SIDE REMOVE E2.4
(ON PEDESTAL POLE)
** 2-5 S1-1 36"X36"
2-6 ** S16-7L 24"X12"
2-4 * NO PARKING THIS SIDE
REMOVE 7 - 9 AM REMOVE E2.7
NO PARKING 8 AM - 11:30 AM WEDNESDAYS MAY 1 - NOV 15 TO REMAIN
(ON PEDESTAL POLE)
2-7 ** R3-2 24"X24"
2-8 ** 7 - 9 AM
2-20 * Welch Av
2-21 * Atwood Av
2-22 STOP R1-1 30"X30"
NO PARKING THIS SIDE REMOVE E2.10
Welch Av REMOVE E2.8
Atwood Av REMOVE
STOP REMOVE
2-26 * NO PARKING THIS SIDE
NO PARKING THIS SIDE REMOVE E2.12
2-27 SPEED LIMIT 25 R2-1 24"X30"
2-41 END SCHOOL ZONE S5-2 24"X30"
REMOVE E2.13
7 - 9 AM REMOVE
2-31 * R3-2 24"X24"
2-32 * 7 - 9 AM
NO PARKING THIS SIDE TO REMAIN
STOP 2-37 R1-1 30"X30"
NO PARKING THIS SIDE REMOVE E2.17
2-38 *

NOTES:

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** SIGN PROVIDED AND INSTALLED BY OTHERS.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PERMANENT SIGNING	SHEET 164	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023202-ps
PLOT DATE : 11/2/2022 8:23 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

2

N

MATCHLINE STA. 23+00

MATCHLINE STA. 29+00

MATCHLINE STA. 104+75

ATWOOD AVENUE

SUGAR AVENUE

OAKRIDGE AVENUE

LAKELAND AVENUE

OLBRICH BOTANICAL GARDENS

TWOOD AVE

OLBRICH PARK

LANDSCAPING

BOTANICAL GARDEN SIGN

ASPH.

GRASS

Atwood Av * 3-13

Sugar Av * 3-14

3-15 * Dead End → ← Dead End * 3-16

STOP 3-17
R1-1
30"X30"

DEAD END 3-21
W14-1
30"X30"

TO REMAIN

(ON STREET LIGHT POLE)

** 3-24
R3-2
24"X24"

** 3-25
EXCEPT BUSES

** 3-26

REMOVE

EXCEPT BUSES

(ON STREET LIGHT POLE)
NO PARKING ANY TIME
** 3-28

(ON STREET LIGHT POLE)

REMOVE

* 3-30
W11-2
30"X30"

* 3-31
W16-7R
24"X12"

3-32
R4-7
24"X30"
(4' MOUNTING HEIGHT)

* 3-33
W11-2
30"X30"

* 3-34
W16-7R
24"X12"

3-39
W6-2
36"X36"

SPEED LIMIT 25
REMOVE

3-1
SPEED LIMIT 25
R2-1
24"X30"

* 3-2
NO STOPPING STANDING PARKING TOW AWAY ZONE

REMOVE

Atwood Av
Sugar Av
STOP
REMOVE

** 3-3
W11-2
30"X30"

** 3-4
W16-7L
24"X12"
(ON PEDESTAL POLE)

NO PARKING 8 AM - 11:30 AM WEDNESDAYS MAY 1 - NOV 15
TO REMAIN

** 3-5
W11-2
30"X30"

** 3-6
W16-7R
24"X12"
(ON PEDESTAL POLE)

** 3-7
W11-2
30"X30"

** 3-8
W16-7R
24"X12"
(ON RRFB POLE)

REMOVE
EXCEPT BUSES
REMOVE

NO PARKING THIS SIDE
TO REMAIN

** 3-9
W11-2
30"X30"

** 3-10
W16-7L
24"X12"
(ON RRFB POLE)

** 3-11
3-12
W11-2
30"X30"
(OVERHEAD WITH RRFB ASSEMBLY

Oakridge Av
REMOVE

Atwood Av
REMOVE

STOP
REMOVE

3-22
W6-1
36"X36"

3-23 * NO PARKING ANY TIME

REMOVE

(ON STREET LIGHT POLE)

Oakridge Av ** 3-18

Atwood Av ** 3-19

STOP 3-20
R1-1
30"X30"

3-46 3-48
R7-8A
12"X18"

3-47 3-49
R7-8V
12"X6"

REMOVE

REMOVE

3-29
STOP
R1-1
30"X30"

3-46
R1-2
18"X15.5"

3-40
MOVING SIGNS TYPE II

3-41
MOVING SIGNS TYPE II
(REMOVING SMALL SIGN SUPPORTS)

3-42
MOVING SIGNS TYPE II

3-43
MOVING SIGNS TYPE II, MOVING SMALL SIGN SUPPORTS

3-44
MOVING SIGNS TYPE II

3-45
MOVING SIGNS TYPE II

(ON STREET LIGHT POLE)

** 3-35
W11-2
30"X30"

** 3-36
W16-7L
24"X12"

(ON STREET LIGHT POLE)

** 3-37
W11-2
30"X30"

* 3-27

Atwood Av
REMOVE

Lakeland Av
REMOVE

STOP
REMOVE

** 3-38
W16-7L
24"X12"

PC: 104+87.18

PT: 105+72.40

PC: 106+90.63

PT: 107+37.91

PC: 26+05.51

PT: 24+58.15

PT: 23+55.15

PT: 27+36.91

NOTES:

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PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PERMANENT SIGNING	SHEET 165	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023203-ps

PLOT DATE : 11/2/2022 8:23 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

OLBRICH BOTANICAL GARDENS
ATWOOD AVE

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

CITY OF MADISON PARKS OLBRICH PARK
3301 ATWOOD AVE

OLBRICH BEACH HOUSE
ATWOOD AVE

ATWOOD AVENUE

MATCHLINE STA. 29+00

MATCHLINE STA. 35+00

PI: 29+70.29

PI: 31+27.82

PI: 33+54.16

PC: 108+52.91
PT: 108+54.99

PI: 110+96.72

PC: 112+51.18
PT: 112+53.53

(ON STREET LIGHT POLE)
SPEED LIMIT 25
E4.1
REMOVE

SPEED LIMIT 25
4-2
R2-1
24"X30"

NO PARKING ANY TIME
* 4-3

(ON STREET LIGHT POLE)
NO PARKING ANY TIME
E4.3
REMOVE

(ON STREET LIGHT POLE)
4-4
Starkweather Creek
MOVING SIGNS TYPE II
(ON STREET LIGHT POLE)

(ON STREET LIGHT POLE)
Starkweather Creek
4-7
MOVING SIGNS TYPE II
(ON STREET LIGHT POLE)

E4.4
NO PARKING ANY TIME
REMOVE

4-8 * NO PARKING ANY TIME

4-1 * NO PARKING ANY TIME

NO PARKING ANY TIME
E4.2
REMOVE

SPEED LIMIT 25
E4.5
REMOVE

NO PARKING ANY TIME
E4.6
REMOVE

(ON STREET LIGHT POLE)
4-9
R4-7
24"X30"
(4' MOUNTING HEIGHT)

(ON STREET LIGHT POLE)
SPEED LIMIT 25
4-5
R2-1
24"X30"

NO PARKING ANY TIME
** 4-6

NOTES:

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** SIGN PROVIDED AND INSTALLED BY OTHERS.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PERMANENT SIGNING	SHEET 166	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023204-ps

PLOT DATE : 11/2/2022 8:23 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

5-1 5-3 * W11-2 30"X30"

5-2 5-4 * W16-7R 24"X12"

5-7 * W11-2 30"X30"

5-8 * W16-7L 24"X12"

5-11 * NO PARKING ANY TIME

(ON STREET LIGHT POLE) E5.1 NO PARKING ANY TIME REMOVE

PARK SIGN

(ON STREET LIGHT POLE) NO PARKING ANY TIME REMOVE E5.3

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

GRASS

ASPH.

ATWOOD AVENUE

MATCHLINE STA. 35+00

MATCHLINE STA. 41+00

PC: 115+02.49

PT: 115+08.85

PH: 36+23.49

EP: 116+39.74

35+00 36+00 37+00 38+00 39+00 40+00 41

115+00 116+00

6 MTD

6-4" PVC

12" ST (175 PSI)

6" (ABANDONED)

5-5 * W11-2 30"X30"

5-6 * W16-7L 24"X12"

5-9 (ON STREET LIGHT POLE) R4-7 24"X30" (4' MOUNTING HEIGHT)

STOP E5.2 REMOVE

STOP 5-10 R1-1 30"X30"

5-12 ** (ON STREET LIGHT POLE) NO PARKING ANY TIME

CITY OF MADISON PARKS
3527 ATWOOD

E5.4 NO PARKING ANY TIME REMOVE

NOTES:

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PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PERMANENT SIGNING	SHEET 167	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023205-ps

PLOT DATE : 11/2/2022 8:23 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

MATCHLINE STA. 41+00

MATCHLINE STA. 47+00

MATCHLINE STA. 200+50

ATWOOD AVENUE

WALTER STREET

CHAIN LINK FENCE

CITY OF MADISON PARKS OLBRICH
502 WALTER ST

6-1 * NO PARKING ANY TIME
(ON TRAFFIC SIGNAL POLE)

6-2 * NO PARKING ANY TIME
REMOVE
E6.1

6-3 SPEED LIMIT 25
R2-1
24"X30"
(ON STREET LIGHT POLE)
REMOVE
E6.3

6-4 * NO PARKING ANY TIME
(ON STREET LIGHT POLE)
REMOVE
E6.4

CAUTION PARK GATE MAY BE CLOSED
REMOVE

6-5 ** (ON STREET LIGHT POLE)
REMOVE
E6.5

6-6 (ON TROMBONE ARM) Walter St
MOVING SIGNS TYPE II
(OVERHEAD ON TROMBONE ARM)

6-7 ** Atwood Av
6-8 ** Walter St
6-9
R4-7
24"X30"
(4' MOUNTING HEIGHT)
(ON TRAFFIC SIGNAL POLE)

E6.6 BUS STOP SHELTER
REMOVE

6-10 MOVING SIGNS TYPE II
(ON TRAFFIC SIGNAL POLE)

6-11 MOVING SIGNS TYPE II

6-12 MOVING SIGNS TYPE II
(ON STREET LIGHT POLE)

6-13 MOVING SIGNS TYPE II

6-14 MOVING SIGNS TYPE II

6-15
R3-8ER
36"X30"
ONLY

BP: 200+00.00
(ON TRAFFIC SIGNAL POLE)

6-16 SPEED LIMIT 25
R2-1
24"X30"
REMOVE
E6.7

6-17
R4-7
24"X30"
(4' MOUNTING HEIGHT)
(ON TRAFFIC SIGNAL POLE)

6-18 (ON TROMBONE ARM) Walter St
MOVING SIGNS TYPE II
(OVERHEAD ON TROMBONE ARM)

6-19 NO TURN ON RED
R10-11B
24"X24"
(ON TRAFFIC SIGNAL POLE)

6-20 NO TURN ON RED
R10-11B
24"X24"
(ON TRAFFIC SIGNAL ARM)

6-21 NO TURN ON RED
R10-11B
24"X24"
(ON TRAFFIC SIGNAL POLE)

6-22 NO TURN ON RED
R10-11B
24"X24"

6-23 ** Lake Loop to Isthmus / Cottage Grove Road
MOVING SIGNS TYPE II

6-24 ** Capital City Path / Cottage Grove Road
MOVING SIGNS TYPE II

NO PARKING ANY TIME
TO REMAIN

TO REMAIN

E6.8 Atwood Av
REMOVE
Walter St
REMOVE

E6.9 (ON PEDESTAL POLE) YIELD
REMOVE

RIGHT TURNS OBEY THIS SIGN
REMOVE

E6.10 CAUTION PARK GATE MAY BE CLOSED
REMOVE
(ON TRAFFIC SIGNAL POLE)

PC: 44+29.97

BP: 650+00.00

651+00

NOTES:

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PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PERMANENT SIGNING	SHEET 168	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023206-ps
PLOT DATE : 11/2/2022 8:23 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

MICHAEL CHARLES MELVIN
JACLYN MARIE MELVIN
3514 DENNETT DR

RUTH E NICHOLS
JAMES C NICHOLS
3502 DENNETT DR UNIT P2

LLOYD J BLANEY
3602 ATWOOD AVE

A J PROBST
3606 ATWOOD
(VACANT LO

VIRGINIA PROBST
10
OOD
E

OLBRICH BY THE LAKE AS
3528 ATWOOD AVE

ATWOOD AVENUE

DENNETT DRIVE

APARTMENT SIGN

METAL GATE

METAL GATE

BEACH HOUSE

CITY OF MADISON

(ON STREET LIGHT POLE)
NO PARKING ANY TIME
E7.3
REMOVE

NO PARKING ANY TIME * 7-3

(PRIVATE)
STOP
TO REMAIN

(PRIVATE)
ILLEGALLY PARKED VEHICLES WILL BE TOWED AT OWNERS EXPENSE & RISK
TO REMAIN

E7.6 Dennett Dr
REMOVE

Atwood Av
REMOVE

STOP
REMOVE

Dennett Dr * 7-8

Atwood Av * 7-9

STOP 7-10
R1-1
30"X30"

NO PARKING ANY TIME * 7-13

NO PARKING ANY TIME E7.8
REMOVE

PT: 48+17.26

PC: 49+12.79

PT: 50+68.82

47+00

48+00

49+00

50+00

51+00

52+00

53+00

MATCHLINE STA. 47+00

MATCHLINE STA. 53+00

SPEED LIMIT 25 E7.2
REMOVE

7-4
E7.4
REMOVE

E7.5
NO PARKING ANY TIME
REMOVE

7-5
W6-2
36"X36"

7-6
R4-7
24"X30"
(4' MOUNTING HEIGHT)

SPEED LIMIT 25 E7.7
REMOVE

(ON STREET LIGHT POLE)
NO PARKING ANY TIME ** 7-7

E7.1
REMOVE

SPEED LIMIT 25 7-1
R2-1
24"X30"

NO PARKING ANY TIME * 7-2

NOTES:

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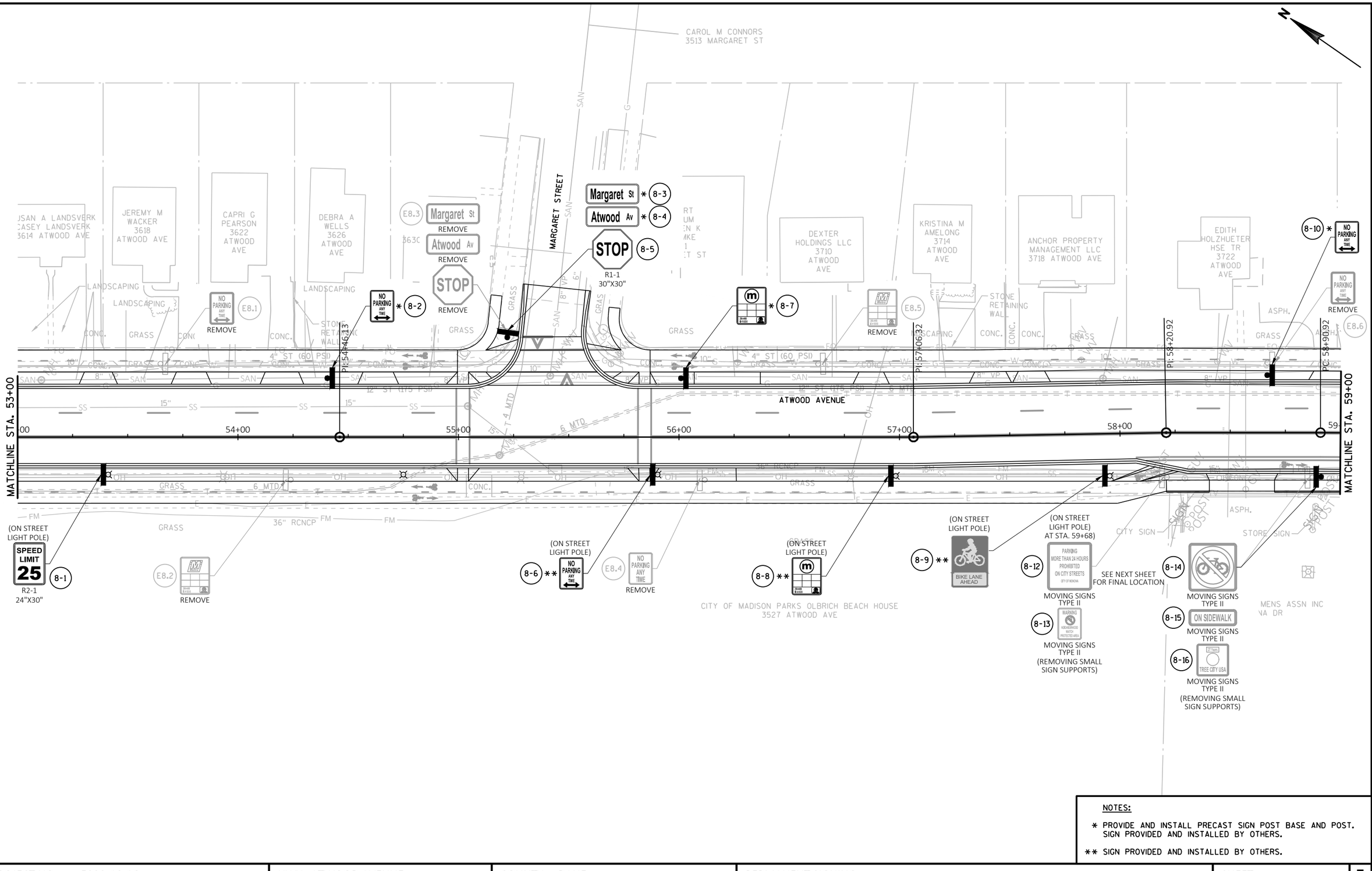
** SIGN PROVIDED AND INSTALLED BY OTHERS.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PERMANENT SIGNING	SHEET 169	E

2



NOTES:

* PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS.

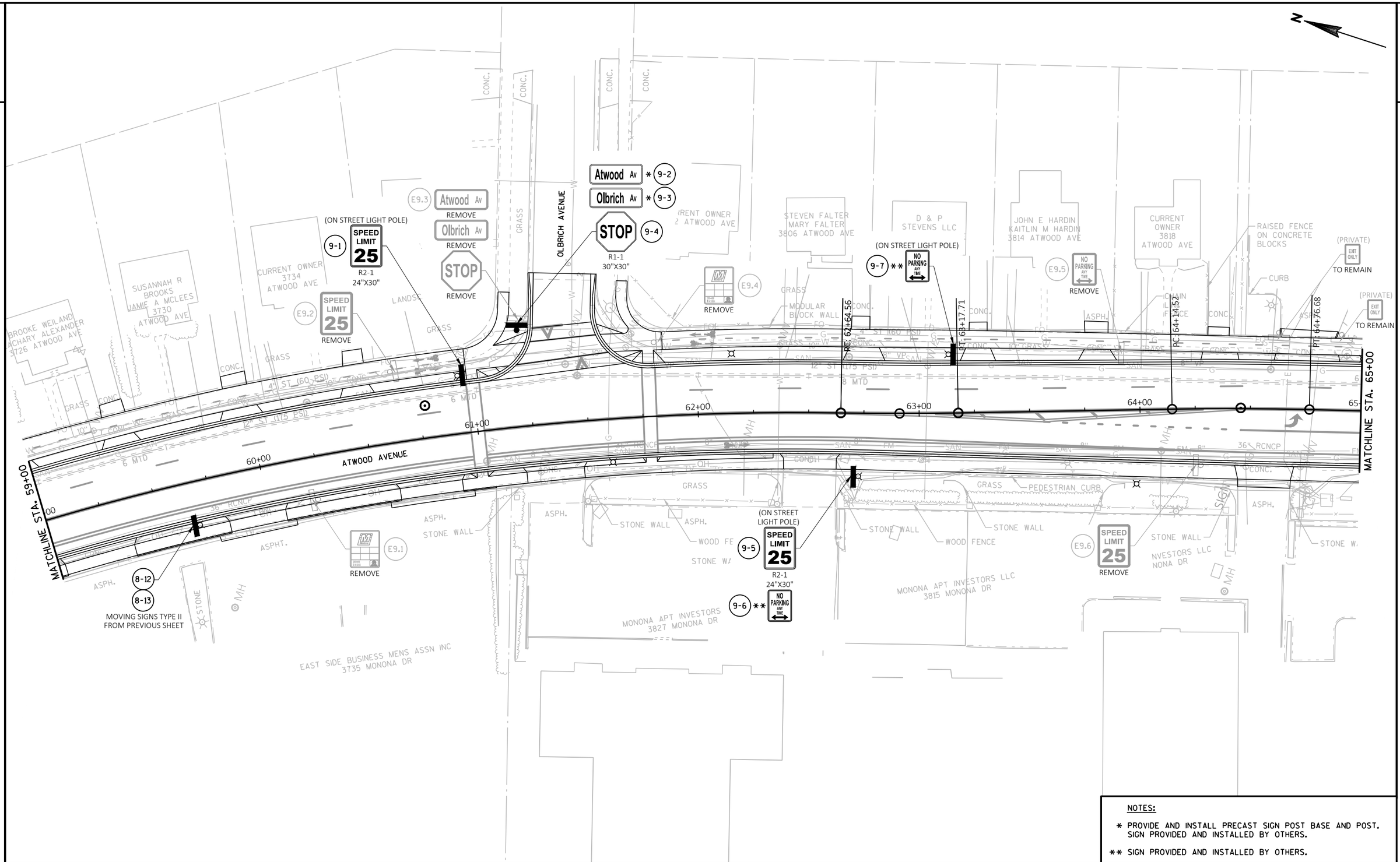
** SIGN PROVIDED AND INSTALLED BY OTHERS.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PERMANENT SIGNING	SHEET 170	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023208-ps

PLOT DATE : 11/2/2022 8:23 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



NOTES:

* PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS.

** SIGN PROVIDED AND INSTALLED BY OTHERS.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PERMANENT SIGNING	SHEET 171	E

2

(ON TRAFFIC SIGNAL POLE)
10-11 ← Atwood Av
10-12 Cottage Grove Rd
10-13 Monona Dr →
MOVING SIGNS TYPE II

(ON MONOTUBE ARM)
10-10 Cottage Grove Rd →
MOVING SIGNS TYPE II

(ON TRAFFIC SIGNAL POLE)
STOP
TO REMAIN

(ON STREET LIGHT POLE)
10-7
MOVING SIGNS TYPE II

SPEED LIMIT 25
NO PARKING ANY TIME
10-8
10-9
MOVING SIGNS TYPE II, MOVING SMALL SIGN SUPPORTS

(PRIVATE)
STOP
TO REMAIN

3826 JMI LLC
3826 ATWOOD AVE

ZINGBORN VENTURES LLC
3830 ATWOOD AVE

CHARLES STEVEN
3838 ATWOOD

GROVE INV LLC ETAL %WALI
108 COTTAGE GROVE I

COTTAGE GROVE ROAD

ATWOOD AVENUE

MATCHLINE STA. 65+00

66+00 67+00 68+00 69+00 70+00 71+00

PI 66+58.41
PI 67+60.20
PI 70+17.33

(ON STREET LIGHT POLE)
10-1 10-2
MOVING SIGNS TYPE II

10-3
MOVING SIGNS TYPE II, MOVING SMALL SIGN SUPPORTS

(ON STREET LIGHT POLE)
10-4 ONLY LEFT LANE
10-5 TRUCK ROUTE
10-6
MOVING SIGNS TYPE II

E10.1 BIKE LANE REMOVE
AHEAD REMOVE

(ON TRAFFIC SIGNAL POLE)
Monona Dr TO REMAIN
Ferchland Pl TO REMAIN
STOP TO REMAIN

(ON TRAFFIC SIGNAL POLE)
LEFT TURN YIELD ON GREEN
TO REMAIN

YIELD TO REMAIN

RIGHT TURNS OBEY THIS SIGN
TO REMAIN

FERCHLAND PLACE

MONONA APT IN 3825 MON

SUSAN JOBST
101 FERCHLAND

NOTES:

* PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS.

** SIGN PROVIDED AND INSTALLED BY OTHERS.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PERMANENT SIGNING	SHEET 172	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023210-ps
PLOT DATE : 11/2/2022 8:23 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

CRAIG H WERNER
614 WELCH AVE

M HINTERTHINER
WELCH AVE

WELCH AVENUE

CITY OF MADISON
WATER UTILITY
WELL # 8
615 WELCH AVE

CITY OF MADISON PARKS OLBRICH PARK
3301 ATWOOD AVE

LAKELAND AVENUE

NO PARKING 8 AM - 11:30 AM WEDNESDAYS MAY 1 - NOV 15
TO REMAIN

NO PARKING 8 AM - 11:30 AM THURSDAYS MAY 1 - NOV 15
TO REMAIN

PC: 96+00
PT: 9

E11.3
REMOVE

E11.2
REMOVE

99+00

8" PVC ASPH.

58+00

8" PVC

16" CI
(ABANDONED)

PT: 99+52.52
PC: 99+57.44

1.25" HDPE

ASPH.

12"

MATCHLINE STA. 104+75

100+00

PT: 104+41.60

104+00

101+00

"ST (T5 PSI)

PCC: 102+18.29

102+00

103+00

(ON STREET
LIGHT POLE)

DO NOT ENTER
11-1 11-3
R5-1
30"X30"

EXCEPT BIKES AND MAINTENANCE VEHICLES
* 11-2 11-4

(ON STREET
LIGHT POLE)
11-5
W7-5
18"X18"

11-6 20 MPH
W13-1
18"X18"

E11.1
NO PARKING ANY TIME
REMOVE

DOGS NOT ALLOWED IN THIS PARK
11-7
MOVING SIGNS
TYPE II

ALCOHOLIC BEVERAGES PROHIBITED IN THIS PARK
11-8
MOVING SIGNS
TYPE II

Madison Lake Loop
11-9
MOVING SIGNS
TYPE II

11-10
MOVING SIGNS
TYPE II

NOTES:

* PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS.

** SIGN PROVIDED AND INSTALLED BY OTHERS.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PERMANENT SIGNING	SHEET 173	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023211-ps

PLOT DATE : 11/2/2022 8:23 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

MATCHLINE STA. 200+50

PC: 200+70.13

652+00

201+00

202+00

EP: 169+75.3

PT: 202+87.60

203+00

204+00

205+00

206+00

EP: 206+36.41

WALTER STREET

JOHNS STREET

SARGENT STREET

MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

ROBERT CAREY
505 WALTER ST

GRANT MOORE
JENNIFER MOORE
3501 SARGENT ST

BARBARA L
SEYMOUR
3504

LAURIE
SOLCHENBERGER
401 WALTER ST

SSOC LLC
IE

12-1 NO PARKING THIS SIDE
TO REMAIN

12-2 Madison Lake Loop
12-3
MOVING SIGNS TYPE II, MOVING SMALL SIGN SUPPORTS

12-4 STOP
MOVING SIGNS TYPE II, MOVING SMALL SIGN SUPPORTS

12-5 STOP
MOVING SIGNS TYPE II, MOVING SMALL SIGN SUPPORTS

12-6 MOTOR DRIVEN VEHICLES PROHIBITED
MOVING SIGNS TYPE II

12-7 * Lake Loop to Monona / Lake Loop to Isthmus

12-8 * Path Ends / Capital City Path / Dwtn Madison / Lake Loop

TO REMAIN

Johns St
Walter St
Sargent St
Capital City Trail PATH
MOTOR DRIVEN VEHICLES PROHIBITED
STOP

NOTES:

* PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS.

** SIGN PROVIDED AND INSTALLED BY OTHERS.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PERMANENT SIGNING	SHEET 174	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023212-ps

PLOT DATE : 11/2/2022 8:23 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LIGHTING AND TRAFFIC SIGNAL LEGEND

—— - - ——	STREET LIGHTING CONDUIT RIGID NONMETALLIC (SEE MISCELLANEOUS QUANTITY TABLES FOR NUMBER OF CONDUITS AND SIZES)
— — — —	TRAFFIC SIGNAL CONDUIT RIGID NONMETALLIC (SEE MISCELLANEOUS QUANTITY TABLES FOR NUMBER OF CONDUITS AND SIZES)
⊠	CONTROL CABINET AND ELECTRICAL SERVICE METER BREAKER PEDESTAL
⌑	STREET LIGHT POLE (SEE MISCELLANEOUS QUANTITY TABLES FOR POLE AND BASE TYPES)
⧈	ELECTRICAL PULLBOX, TYPE I
⧈	ELECTRICAL PULLBOX, TYPE III
⧈ V	ELECTRICAL PULLBOX, TYPE V
⧈	ELECTRICAL PULLBOX, TYPE VII
◎ ○	TRAFFIC SIGNAL POLE (SEE MISCELLANEOUS QUANTITY TABLES FOR POLE AND BASE TYPES)
→	TRAFFIC SIGNAL HEAD
⌐⊣ CD	PEDESTRIAN SIGNAL WITH PUSH BUTTON
XX-FT	TRAFFIC SIGNAL TROMBONE ARMS ALUMINUM
	LOOP DETECTOR (4'x6', 6'x6', 6'x14')
XX	SIGNAL/PEDESTRIAN HEAD NUMBER
R	LED MODULES RED BALL 12-INCH (UNLESS OTHERWISE NOTED)
Y	LED MODULES YELLOW BALL 12-INCH (UNLESS OTHERWISE NOTED)
G	LED MODULES GREEN BALL 12-INCH (UNLESS OTHERWISE NOTED)
R R	LED MODULES RED ARROW 12-INCH
FY Y Y	LED MODULES YELLOW ARROW 12-INCH
FG G G	LED MODULES GREEN ARROW 12-INCH
XX	LED MODULES PEDESTRIAN COUNTDOWN TIMER 16-INCH
	LANE DESIGNATION ARROW

STREET LIGHTING
DESIGNED BY: CITY OF MADISON

WISCONSIN
JERRY L. SCHIPPA
44406-6
SUN PRAIRIE
WI
8-23-22
PROFESSIONAL ENGINEER

INSTALL CONDUITS INTO EXISTING PULLBOX
CONDUIT SPECIAL 2-INCH UNDER EXISTING SIDEWALK
CONDUIT SPECIAL 3-INCH UNDER EXISTING SIDEWALK
CONDUIT SPECIAL 2-INCH UNDER EXISTING DRIVEWAY
CONDUIT SPECIAL 3-INCH UNDER EXISTING DRIVEWAY
PT: 11+96.89
SL1033
TLM-E03-LED-E1-SL2-BK-8030-DIM (TYPE 2)
CIRCUIT 1A, TIMED
STA 13+18.8, 26' L
SL1034
TLM-E03-LED-E1-SL2-BK-8030-DIM (TYPE 2)
CIRCUIT 1B, ALL NIGHT
LB-8 BASE, SIGNAL AHEAD WARNING SIGN
STA 14+42.8, 25.5' L
SL1035
TLM-E03-LED-E1-SL3-BK-8030-DIM (TYPE 3)
CIRCUIT 1B, ALL NIGHT
STA 15+72.6, 25.6' L
PC: 16+62.62
MATCHLINE STA. 17+00
INTERCEPT EXISTING FIBER CONDUIT
ATWOOD AVENUE
FAIR OAKS AVENUE
MAPLE AVENUE
LUDINGTON AVENUE
HH1
HH2
HH9
L3
L4
L5
3002 ATWOOD INVESTMENTS LLC
233 S FAIR OAKS AVE
3002 ATWOOD INVESTMENTS LLC
3010 ATWOOD AVE
MAYNARD SCHMUDLACH (LE)
MICHAEL SCHMUDLACH
3014 ATWOOD AVE
ROBERT H GRETHER
PAMELA K GRETHER
3026 ATWOOD AVE
KELLY SORENSON
NATHAN LIEGEL
3030 ATWOOD AVE
CONNIE JO NADLER
BONITA RAE ANDERSON
3034 ATWOOD AVE
CURRENT OWNER
3102 ATWOOD AVE
CURRENT OWNER
3106 ATWOOD AVE
3112 ATWOOD AVE
MELISSA
3114 A
HILARY ANN STEIN
2929 ATWOOD AVE
MADISON METRO SCHOOL DISTRICT
401 MAPLE AVE
DAVID J BLOOM
RAINA M BLOOM
401 LUDINGTON AVE
MICHAEL JOHN SHORT
3105 ATWOOD AVE
STONE RETAINING WALL
WOOD FENCE
WOOD RAILING
METAL FENCE
STEPS (2)
STEPS (5)
STEPS (8)
STEPS (10)
STEPS (6) WITH METAL RAILING
STEPS (5) WITH METAL RAILING
STEPS (3)
LANDSCAPING
TIMBER WALL
STERS (4)
CONCRETE CURB/WALL
SCHOOL SIGN
GRASS
ASPH.
CONC.
4" PL (20 PSI)
2" PL (20 PSI)
6 PVC
8" PVC
8" HDPE
8" VP
10"
12"
18"
N

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	LIGHTING PLAN	SHEET 176	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023602-lp
PLOT DATE : 9/13/2022 5:34 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

SL1037
TLM-E03-LED-E1-SL3-BK-8030-DIM (TYPE 3)
STA 18+44.5, 24.6' L
CIRCUIT 1B, ALL NIGHT

SL1038
TLM-E03-LED-E1-SL2-BK-8030-DIM (TYPE 2)
STA 19+56.9, 25.0' L
CIRCUIT 1B, ALL NIGHT

SL1036
TLM-E03-LED-E1-SL2-BK-8030-DIM (TYPE 2)
CIRCUIT 1A, TIMED
STA 17+13.5, 25.2' L
DFB MOUNTED ON 18-FT TROMBONE ARM
LB-8 BASE, SZ SPEED LIMIT AND LED

SL1039
TLM-E03-LED-E1-SL3-BK-8030-DIM (TYPE 3)
STA 21+12.8, 23.5' L
CIRCUIT 1B, ALL NIGHT

SL1040
TLM-E03-LED-E1-SL2-BK-8030-DIM (TYPE 2)
STA 22+31.2, 26.1' L
CIRCUIT 1A, TIMED

GARRISON STREET

ATWOOD AVENUE

WELCH AVENUE

CENTER AVENUE

MATCHLINE STA. 17+00

MATCHLINE STA. 23+00

MATCHLINE

MATCHLINE

L LEBLANC
S LEBLANC
TWOOD AVE

DAVID JOHN WARNER
DAWN M WARNER
3118 ATWOOD AVE

PRESTON BARROWS
3122 ATWOOD AVE

CURRENT OWNER
3126 ATWOOD AVE

LINDA L M DYKSTRA
3202 ATWOOD AVE

CURRENT OWNER
3206 ATWOOD AVE

JOHN GOEDDERZ
KATHLEEN BAILEY
3210 ATWOOD AVE

KAREN BURZINSKI
3214 ATWOOD AVE

MIKE P KINGSLIEN
STACY R STONE
3218 ATWOOD AVE

BURTON A LINDQUIST
LAURIE J LINDQUIST
3222 ATWOOD AVE

DALE W BRUCKNER TRUST
3226 ATWOOD AVE

LORI A FLEURY
3230 ATWOOD AVE

KRISTIN M RUCINSKI
3234 ATWOOD AVE

LYNNE WEBO
323 ATWOOD

NE
AINING WALL

MODULAR RETAINING WALL

STEPS (3)

STEP (1)

GRASS

CONC.

HH3 HH4 HH5 HH6 HH7 HH8 HH10

TS1 TS2

PRC: 17+97.05

PRC: 19+30.30

PT: 19+78.04

18+00 19+00 20+00 21+00 22+00 23+00

8" VP 6-4" PVC 6 MTD 6" VP

STONE RETAINING WALL POOR SHAPE

STEPS (4)

LANDSCAPING

FRANCISCO XAVIER SUAREZ
405 WELCH AVE

CHAIN LINK FENCE

SUSAN K SHAW
3213 ATWOOD AVE

STONE RETAINING WALL

WOOD FENCE

TAVISH PEGRAM
3225/3227 ATWOOD AVE

LAUREN A SLATTERY
3209 ATWOOD AVE

MICHAEL A QUIRKE
3109 ATWOOD AVE

BOLLERUD LIVING TRUST
3113 ATWOOD AVE

JESSE M VANDERPOL
3121 ATWOOD AVE

MICHAEL THEISEN
DAWN THEISEN
3123 ATWOOD AVE

BETH A CARLSON
3122 CENTER AVE

SULLIVAN KIDDER
409 WELCH AVE

JAY SWENSON
413 WELCH AVE

JELIC FAMILY TRUST
3212 CENTER AVE

GREGORY T MILLER
LARA M O MILLER
3221 CENTER AVE

3217 LLC
3217 CENTER AVE

P T & L A ANDERSON TR
3213 CENTER AVE

MARY J CONROY
3209 CENTER AVE

CURRENT OWNER
3230 OAKRIDGE AVE

JEAN M RAWSON REV TRUST
3226 OAKRIDGE AVE

RICHARD L POLLAK
3222 OAKRIDGE AVE

2" PL (20 PSI)

12" SS

6" VP

8" VP

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	LIGHTING PLAN	SHEET 177	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023603-lp

PLOT DATE : 9/13/2022 5:35 AM

PLOT BY : JASON DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

2

2

SL1041
TLM-E03-LED-E1-SL3-BK-8030-DIM (TYPE 3)
STA 23+64, 25.7' L
CIRCUIT 1B, ALL NIGHT

INTERCEPT EXISTING
CONDUIT FOR FIBER
TO OLBRICH GARDENS

SL1043
TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 24+84, 25.7' L
CIRCUIT 1B, ALL NIGHT

SL1044
TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 26+76, 25.7' L
CIRCUIT 1A, TIMED

SL9988
TLM-E04-LED-E1-SL2-BK-8030-DIM (TYPE 4)
STA 27+87, 25.7' L
CIRCUIT 1B, ALL NIGHT

MATCHLINE STA. 23+00

MATCHLINE STA. 29+00

ATWOOD AVENUE

SUGAR AVENUE

OAKRIDGE AVENUE

LAKELAND AVENUE

JAMES DRURY
3242
ATWOOD AVE

CITY OF MADISON PARKS OLBRICH BOTANICAL GARDENS
3330 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH PARK
3301 ATWOOD AVE

PC: 23+55.15

PI: 24+58.15

PC: 26+05.51

PT: 27+36.91

PC: 106+90.68

PT: 105+72.40

PC: 104+87.18

HH11 HH12 HH13 HH14 HH15 HH16 HH17 HH18 HH19 HH22 HH23

TS3

LC1

REMOVE EXISTING HH16,
INTERCEPT EXISTING FIBER TO PUMP STATION,
REROUTE TO HH16

SL1042
TLM-E04-LED-E1-SL2-BK-8030-DIM (TYPE 4)
STA 24+07, 39.0' R
CIRCUIT 1B, ALL NIGHT
ORIENTATE OVER ATWOOD AVE.

SL1045
TLM-E04-LED-E1-SL2-BK-8030-DIM (TYPE 4, OVER ATWOOD AVE.)
TLM-E02-LED-E1-SL2-BK-8030-DIM (TYPE 1,OVER PATH)
STA 27+41, 30' R
CIRCUIT 1B/1B

P979
TLM-E02-LED-E1-SL2-BK-8030-DIM
STA 28+05, 51' R
CIRCUIT 1B, ALL NIGHT

SL1047
2 X TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 28+83, 5.5' R
CIRCUIT 1E/1D, T/A (WB/EB)

P913
TLM-E02-LED-E1-SL2-BK-8030-DIM
STA 105+28, 12' R
CIRCUIT 1C, ALL NIGHT

MATCHLINE STA. 104+50

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	LIGHTING PLAN	SHEET 178	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023604-lp

PLOT DATE : 9/13/2022 5:35 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

CITY OF MADISON PARKS OLBRICH BOTANICAL GARDENS
3330 ATWOOD AVE

STA 29+20
INSTALL EMPTY CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH FOR FUTURE IRRIGATION, CAP BOTH ENDS AND INSTALL ELECTRONIC MARKERS

SL1048
2 X TLM-E04-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 30+17, 5' R
CIRCUIT 1D/1D, A/A (WB/EB)

SL1049
2 X TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 31+51, 5' R
CIRCUIT 1E/1D, T/A (WB/EB)

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

SL1051
2 X TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 34+57.5, 5' R
CIRCUIT 2B/2B, A/A (WB/EB)

MATCHLINE STA. 29+00

MATCHLINE STA. 35+00

45' L

30' R

PC: 108+52.93
PT: 108+54.99

PI: 29+70.29

PI: 31+27.82

PI: 110+93.72

PC: 112+51.18
PT: 112+57.53

PI: 33+54.16

ATWOOD AVENUE

30+00 31+00 32+00 33+00 34+00

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

SHRUBS
MULCH
IRON FENCE
GRASS
ASPH.
CONC.

HH24
HH25
HH56
HH71

6 MTD
6-4" PVC
9 MCD
9-3.5" MP (ABANDONED)
6" (ABANDONED)
12" ST (175 PSI)

INTERCEPT EXISTING ELECTRIC CONDUIT INTO HH56

SL1050
TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5, OVER ATWOOD AVE.)
TLM-E02-LED-E1-SL2-BK-8030-DIM (TYPE 1, OVER PATH)
STA 33+04, 27' R
CIRCUIT 2B/2B, A/A

INTERCEPT EXISTING ELECTRIC CONDUIT INTO HH71

SEE BRIDGE STRUCTURE SHEETS FOR CONDUIT CROSSING DETAILS

CITY OF MADISON PARKS OLBRICH PARK
3301 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	LIGHTING PLAN	SHEET 179	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023605-lp

PLOT DATE : 9/13/2022 5:35 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

STA 35+30
INSTALL EMPTY CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH FOR FUTURE IRRIGATION, CAP BOTH ENDS AND INSTALL ELECTRONIC MARKERS

SL1052
2 X TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 35+68, 5' R
CIRCUIT 2A/2B, T/A (WB/EB)

SL1053
2 X TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 36+80, 5' R
CIRCUIT 2B/2B, A/A (WB/EB)

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

PARK SIGN

45' L

27' R

PI: 36+23.49

PC: 115+02.49

PT: 115+08.85

EP: 116+39.74

ATWOOD AVENUE

MATCHLINE STA. 35+00

MATCHLINE STA. 41+00

35+00 36+00 37+00 38+00 39+00 40+00 41

HH26 HH27 HH28 HH29 HH30

115+00 116+00

6 MTD 6-4" PVC 15" 12" ST (175 PSI) 6" (ABANDONED)

GRASS ASPH. CONC. MH

STUB 2-INCH, PVC SCH 40 CONDUIT BENEATH RAMP. CAP END.

SL1054
TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5, OVER ATWOOD)
TLM-E02-LED-E1-SL2-BK-8030-DIM (TYPE 1, OVER PATH)
STA 38+26, 28.5'R
CIRCUIT 2B, ALL NIGHT
DO NOT INTERCEPT FIBER OPTIC CONDUIT

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

SL1055
2 X TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 39+79, 5.5' R
CIRCUIT 2A/2B, T/A (WB/EB)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	LIGHTING PLAN	SHEET 180	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023606-lp
PLOT DATE : 9/13/2022 5:35 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

STA 41+70
INSTALL EMPTY CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH FOR FUTURE IRRIGATION, CAP BOTH ENDS AND INSTALL ELECTRONIC MARKERS

SL1056
2 X TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 41+14, 8' R
CIRCUIT 2B/2B, A/A (WB/EB)

SL1057
2 X TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 42+56, 9.5' R
CIRCUIT 2A/2B, T/A (WB/EB)

SL1058
2 X TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 43+98, 4' R
CIRCUIT 2B/2B, A/A (WB/EB)

SL1059
2 X TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 45+55, 4' R
CIRCUIT 2B/2B, A/A (WB/EB)

P980
TLM-E02-LED-E1-SL2-BK-8030-DIM
STA 45+01, 27' L
CIRCUIT 2A, TIMED

SL9989
TLM-E04-LED-E1-SL2-BK-8030-DIM (TYPE 4)
STA 45+80, 62' L
CIRCUIT 2B, ALL NIGHT
ORIENTATE OVER WALTER STREET.

SL1061
2 X TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 46+76, 15' R
CIRCUIT 2C/2C, A/A (WB/EB)

SL1060
TLM-E04-LED-E1-SL2-BK-8030-DIM (TYPE 4)
STA 46+38, 70' R
CIRCUIT 2B, ALL NIGHT
ORIENTATE WITH DRIVEWAY

INSTALL (1) - 3" PVC SCHEDULE 80 CONDUIT FROM TC1 TO NORTHEAST CORNER. COORDINATE EXACT LOCATION WITH MG&E

REMOVE EXISTING HANDHOLE. INTERCEPT NEW CONDUIT BETWEEN HH42 AND HERE TO MATCH EXISTING CONDUIT SIZE.

ABANDON EXISTING FIBER CONDUIT

ABANDON EXISTING HANDHOLE
RE-ROUTE FIBER TO HH38

CHAIN LINK FENCE
CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST
CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE
OLBRICH BOAT LAKE ASSOC LLC
3527 ATWOOD AVE
ATWOOD AVENUE
WALTER STREET
MATCHLINE STA. 41+00
MATCHLINE STA. 47+00
PARK SIGN
BUS SHOP SHELTER
PARK GATE
PARK GATE POST
DRINKING FOUNTAIN
PC: 44+29.97
35' R
T45' L
HH31
HH32
HH33
HH34
HH35
HH36
HH37
HH38
HH39
HH40
HH41
HH42
HH43
HH44
HH45
HH46
HH47
HH48
HH49
TS4
TS5
TS6
TS7
TS8
TS9
TS10
TS11
TS12
TS13
TC1
LC2
L11
L12
L22
L24
L25
L28
L41
L42
L43
L44
L45
L46
L52
L61
L62
L63
L64
L65
L66
L67
L81
L82
L83
12" ST (175 PSI)
6" (ABANDONED)
6-4" PVC
6 MTD
GRASS
ASPH.
CONC.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	LIGHTING PLAN	SHEET 181	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023607-lp
PLOT DATE : 9/13/2022 5:35 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

MICHAEL CHARLES MELVIN
JACLYN MARIE MELVIN
3514 DENNETT DR

OLBRICH BY THE LAKE ASSOC LLC
3528 ATWOOD AVE

RUTH E NICHOLS
JAMES C NICHOLS
3502 DENNETT DR UNIT P2

LLOYD J BLANEY
3602 ATWOOD AVE

A J PROBST
3606 ATWOOD AVE
(VACANT LOT)

VIRGINIA PROBST
3610 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

DENNETT DRIVE

ATWOOD AVENUE

APARTMENT SIGN

SL9991
2 X TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 50+76.5, 4.7' R
CIRCUIT 2C/2C, A/A (WB/EB)

SL1062
2 X TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 48+14.7, 10.7' R
CIRCUIT 2C/2C, A/A (WB/EB)

SL9990
2 X TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 49+21, 4.2' R
CIRCUIT 2D/2C, T/A (WB/EB)

SL9992
TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 52+02, 18.0' R
CIRCUIT 2C, ALL NIGHT

MATCHLINE STA. 47+00

MATCHLINE STA. 53+00

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	LIGHTING PLAN	SHEET 182	E

2

CAROL M CONNORS
3513 MARGARET ST

JSAN A LANDSVERK
CASEY LANDSVERK
3614 ATWOOD AVE

JEREMY M WACKER
3618 ATWOOD AVE

CAPRI G PEARSON
3622 ATWOOD AVE

DEBRA A WELLS
3626 ATWOOD AVE

ELLIOTT G SMITH
MELISSA R SMITH
3630 ATWOOD AVE

ROBERT T PLUM
LAUREEN K THDEMKE
3501 MARGARET ST

DEXTER HOLDINGS LLC
3710 ATWOOD AVE

KRISTINA M AMELONG
3714 ATWOOD AVE

ANCHOR PROPERTY MANAGEMENT LLC
3718 ATWOOD AVE

EDITH HOLZHUETER HSE TR
3722 ATWOOD AVE

MARGARET STREET

ATWOOD AVENUE

MATCHLINE STA. 53+00

MATCHLINE STA. 59+00

SL9993
TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 53+40, 17' R
CIRCUIT 2D, TIMED

SL9994
TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 54+75, 17' R
CIRCUIT 2C, ALL NIGHT

SL9995
TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 55+90, 17' R
CIRCUIT 2C, ALL NIGHT
CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

SL9996
TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 56+98, 18' R
CIRCUIT 2D, TIMED

SL9997
TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 57+95, 19' R
CIRCUIT 2C, ALL NIGHT
EAST SIDE BUSINESS MENS ASSN INC
3735 MONONA DR

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	LIGHTING PLAN	SHEET 183	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023609-lp

PLOT DATE : 9/13/2022 5:35 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

SL9999
TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 60+94, 26' L
POTENTIAL OFFSET BASE REQUIRED
CIRCUIT 2C, ALL NIGHT

SL10000
TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 62+16, 27' L
POTENTIAL OFFSET BASE REQUIRED
CIRCUIT 2C, ALL NIGHT

SL10001
TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 63+14, 27' L
POTENTIAL OFFSET BASE REQUIRED
CIRCUIT 2D, TIMED

SL9998
TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 59+67, 20' R
CIRCUIT 2E, TIMED

SL10197
TLM-E04-LED-E1-SL3-BK-PER7-8030- DIM (TYPE 5)
STA 61+60, 19.5'R
TRAFFIC SIGNAL CIRCUIT

SL10196
TLM-E04-LED-E1-SL3-BK-PER7-8030- DIM (TYPE 5)
STA 62+73, 28.5'R
TRAFFIC SIGNAL CIRCUIT

SL10195
TLM-E04-LED-E1-SL3-BK-PER7-8030-DIM (TYPE 5)
STA 63+98, 33.5'R
TRAFFIC SIGNAL CIRCUIT

ATWOOD AVENUE
OLBRICH AVENUE
MATCHLINE STA. 59+00
MATCHLINE STA. 65+00
59+00
60+00
61+00
62+00
63+00
64+00
65+00
PC: 62+64.56
PT: 63+37.71
PC: 64+14.52
PT: 64+76.68
HH61
HH62
BROOKE WEILAND
ACHARY ALEXANDER
3726 ATWOOD AVE
SUSANNAH R BROOKS
JAMIE A MCLEES
3730 ATWOOD AVE
CURRENT OWNER
3734 ATWOOD AVE
PABLO LUES
SHEA N LUES
3738 ATWOOD AVE
CURRENT OWNER
3802 ATWOOD AVE
STEVEN FALTER
MARY FALTER
3806 ATWOOD AVE
D & P
STEVENS LLC
3810 ATWOOD AVE
JOHN E HARDIN
KAITLIN M HARDIN
3814 ATWOOD AVE
CURRENT
OWNER
3818
ATWOOD AVE
EAST SIDE BUSINESS MENS ASSN INC
3735 MONONA DR
MONONA APT INVESTORS LLC
3827 MONONA DR
MONONA APT INVESTORS LLC
3815 MONONA DR
MONONA APT
3819 MONONA DR
RAISED FENCE
ON CONCRETE
BLOCKS
CURB
WOOD FENCE
MODULAR
BLOCK WALL
LANDSCAPING
PEDESTRIAN CURB
STONE WALL
STONE
ASPH.
CONC.
GRASS
36" RCNCP
12" ST (115 PSI)
8" ST (60 PSI)
6 MTD
8 MTD

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	LIGHTING PLAN	SHEET 184	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023610-lp
PLOT DATE : 9/13/2022 5:36 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

2

SL10002
TLM-E04-LED-E1-SL3-BK-8030-DIM (TYPE 5)
STA 65+00, 23.5' L
CIRCUIT 2C, ALL NIGHT

SL2516
TLM-E05-LED-SL3-BK-PER7-8030
STA 66+99, 24.5' L
RE-USE EXISTING POLE AND FIXTURE
CIRCUIT 3 (SIGNAL), ALL NIGHT
REMOVE EXISTING SL2516

SL2514
TLM-E05-LED-SL3-BK-PER7-8030
STA 69+11, 26' L
RE-USE EXISTING POLE AND FIXTURE
CIRCUIT 3 (SIGNAL), ALL NIGHT

CITY OF MADISON INSTALLED
LOOPS POST-CONSTRUCTION

INTERCEPT EXISTING
CONDUITS

REMOVE HH73

SL2517
TLM-E05-LED-SL3-BK-PER7-8030
STA 65+77, 35.4'R
RE-USE EXISTING POLE AND FIXTURE
CIRCUIT 3 (SIGNAL), ALL NIGHT
NEW CONDUIT TO INTERCEPT EXISTING CONDUIT.
REPLACE EXISTING 2517

SL2515
TLM-E05-LED-SL3-BK-PER7-8030
STA 68+08, 39.8' R
RE-USE EXISTING POLE AND FIXTURE
CIRCUIT 3 (SIGNAL), ALL NIGHT
NEW CONDUIT TO INTERCEPT EXISTING CONDUIT.
REMOVE EXISTING SL2515

EXISTING STREETLIGHT TO
REMAIN IN PLACE

ATWOOD AVENUE

COTTAGE GROVE ROAD

FERCHLAND PLACE

MATCHLINE STA. 65+00

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	LIGHTING PLAN	SHEET 185 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023611-lp

PLOT DATE : 9/13/2022 5:36 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

CRAIG H WERNER
614 WELCH AVE

M HINTERTHUER
WELCH AVE

WELCH AVENUE

CITY OF MADISON
WATER UTILITY
WELL # 8
615 WELCH AVE

CITY OF MADISON PARKS OLBRICH PARK
3301 ATWOOD AVE

LAKELAND AVENUE

16" CI
(ABANDONED)

8" PVC

8" PVC ASPH.

12" ST (175 PSI)

1.25" HDPE

ASPH.

PC: 98+14.67

PC: 97+82.20

PT: 97+94.51

88+00

99+00

HH21

PT: 99+52.52

PC: 99+57.44

100+00

101+00

102+00

103+00

104+00

PT: 104+41.60

MATCHLINE STA. 104+50

PCC: 102+28.29

HH20

P915
TLM-E02-LED-E1-SL2-BK-8030-DIM
STA 97+88, 13' R
CIRCUIT 1C, ALL NIGHT

P914
TLM-E02-LED-E1-SL2-BK-8030-DIM
STA 101+20, 16' R
CIRCUIT 1C, ALL NIGHT

GUY

BLEACHERS

CITY OF MADISON PARKS OLBRICH PARK
3301 ATWOOD AVE

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	LIGHTING PLAN	SHEET 186	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023612-lp

PLOT DATE : 9/13/2022 5:36 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

SIGNAL DESIGN GENERAL/CONSTRUCTION NOTES:

1. ENGINEER SHALL INSPECT THE POLE LOCATIONS 3 DAYS PRIOR TO PLACING SIGNAL CABLE AND ELECTRICAL WIRE INTO THE SYSTEM.

2. FINAL LOCATION OF WOOD POLES AND SIGNAL HEADS TO BE APPROVED BY THE ENGINEER.

3. LOCATION FOR GUYING OF POLES SHALL BE APPROVED BY THE ENGINEER.

4. THE CONTRACTOR SHALL BE AWARE THAT ALL EXISTING UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES WITHIN THE SCOPE OF THIS PROJECT MAY NOT BE LOCATED AS SHOWN IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR LOCATION AND AVOIDING ALL UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES. THE ENGINEER SHALL REVIEW IMPACTS BEFORE AUTHORIZING ANY RELOCATION AND ADJUST THE LOCATIONS OF THE ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES. RELOCATION OF ITEMS MAY IMPACT COMPLIANCE WITH MUTCD AND ADA STANDARDS.

5. CONTRACTOR TO SUPPLY & INSTALL NON-INTRUSIVE DETECTION AND EMERGENCY VEHICLE PREEMPTION SYSTEMS IN LOCATIONS TO MAXIMIZE EFFECTIVENESS BASED ON FINAL POLE LOCATIONS APPROVED BY THE ENGINEER. ADDITIONAL POLES MAY BE NECESSARY TO PROVIDE FULLY FUNCTIONING SYSTEM.

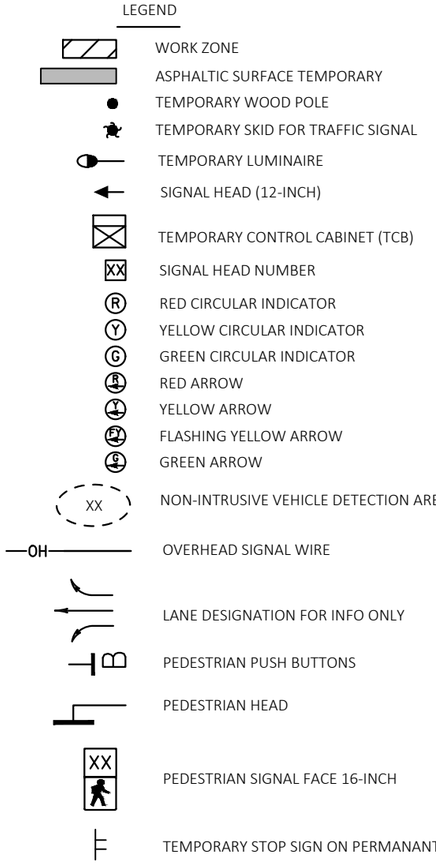
6. ALL LENSES ARE 12-INCH LED.

7. ALL OVERHEAD FACILITIES SHALL MAINTAIN A MINIMUM CLEARANCE OF 18-FEET FROM THE PAVEMENT TO THE OVERHEAD OBSTRUCTION.

8. ANY DAMAGE TO COMPLETED CONSTRUCTION DURING TEMPORARY SIGNAL INSTALLATION OR REMOVAL SHALL BE REPLACED OR REPAIRED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

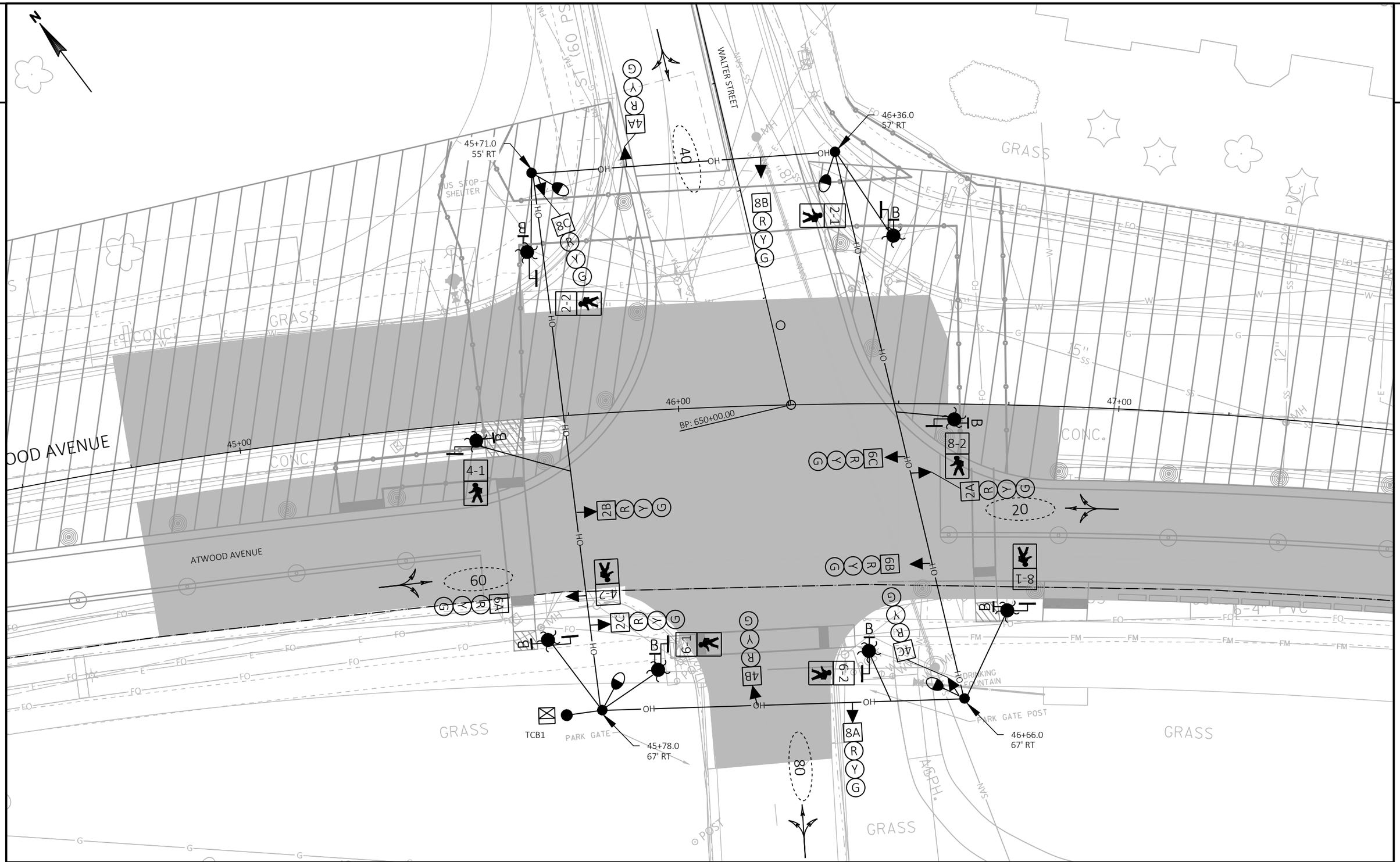
9. CONTRACTOR SHALL BE RESPONSIBLE FOR POWER INSTALLATION WITH THE LOCAL UTILITY.

LEGEND



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL GENERAL NOTES AND LEGEND	SHEET 187 E

2



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS: ATWOOD AVENUE/WALTER STREET - STAGE 3A	SHEET 188	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\TEMPORARY SIGNAL PLANS\024101-ST_S3A.DWG
LAYOUT NAME - 024101-st3a

PLOT DATE : 9/26/2022 2:56 PM PLOT BY : CHAD WAGNER PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

PROVIDE TEMPORARY POWER AND WIRING FROM EXISTING TRAFFIC SIGNAL POLE WHILE EXISTING MONOTUBE ON NORTHEAST CORNER IS RELOCATED AND WIRED ON NEW CONCRETE BASES TYPE 10

ASPH.

ASPH.

GRASS

BUS STOP SHELTER

L1

L2

HH68

HH67

12" ST (175 PSI)

PI: 70+27.33

2B R Y G

70+00

71+00

72+00

PI: 71+41.38

EP: 72+10.88

COTTAGE GROVE ROAD

10" PVC

8" MTD

8" CONC

12" MTD

CONC.

MONONA DRIVE

ATWOOD AVENUE

36" RCNCP

8" PVC

ASPH.

FERCHLAND PLACE

DAVID J KLAUSER
112 FERCHLAND PL

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS: ATWOOD AVENUE/COTTAGE GROVE ROAD - STAGE 3A	SHEET 189	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\TEMPORARY SIGNAL PLANS\024101-ST_S3A CGR.DWG
LAYOUT NAME - 024101-st3aCGR

PLOT DATE : 9/26/2022 2:57 PM PLOT BY : CHAD WAGNER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

N

WALTER STREET

4" ST (60 PSI)

45+71.0
55' RT

46+36.0
57' RT

BUS STOP SHELTER

GRASS

CONC.

12" PVC

4A

40

8C

8B

2-1

2A

8-2

8-1

2B

2C

6C

6B

6A

60

20

46+00

47+00

45+00

BP: 650+00.00

ATWOOD AVENUE

4B

80

8A

TCB1

PARK GATE

45+78.0
67' RT

46+66.0
67' RT

DRINKING FOUNTAIN

4C

POST

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS: ATWOOD AVENUE/WALTER STREET - STAGE 3B & C	SHEET 190	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\TEMPORARY SIGNAL PLANS\024101-ST_S3B.DWG
LAYOUT NAME - 024101-st3bc
PLOT DATE : 9/26/2022 2:57 PM
PLOT BY : CHAD WAGNER
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

TRAFFIC SIGNALS
DESIGNED BY: CITY OF MADISON

WISCONSIN
JERRY L. SCHIPPA
44406-6
SUN PRAIRIE
WI
8-23-22
PROFESSIONAL ENGINEER

WALTER STREET
ATWOOD AVENUE
OLBRICH BY THE LAKE ASSOC
3528 ATWOOD AVE
OLBRICH BY THE LAKE ASSOC LLC
3528 ATWOOD AVE
CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST
CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE
BUS STOP SHELTER
PARK SIGN
APARTMENT SIGN
DRINKING FOUNTAIN
PARK GATE POST
PARK GATE
PC: 44+29.97
PT: 48+17.26
PC: 49+12.79
43+00
44+00
45+00
46+00
47+00
48+00
49+00
HH31
HH32
HH33
HH34
HH35
HH36
HH37
HH38
HH39
HH40
HH41
HH42
HH43
HH44
HH45
HH46
HH47
HH48
HH49
HH50
HH51
TS4
TS5
TS6
TS7
TS8
TS9
TS10
TS11
TS12
TS13
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L41
L43
L44
L45
L46
L47
L51
L52
L61
L62
L63
L64
L65
L66
L67
L81
L82
L83
L84
LC2
18-FT
15-FT
12-FT
10-FT
6" ABANDONED FM
6" FM
8" SAN
4" ST (50 PSI)
12" ST (175 PSI)
36" RCNCP
6" PVC
GRASS
ASPH.
CONC.

TRAFFIC CONTROL SIGNAL
ATWOOD AVENUE & WALTER STREET
CITY OF MADISON
DANE COUNTY

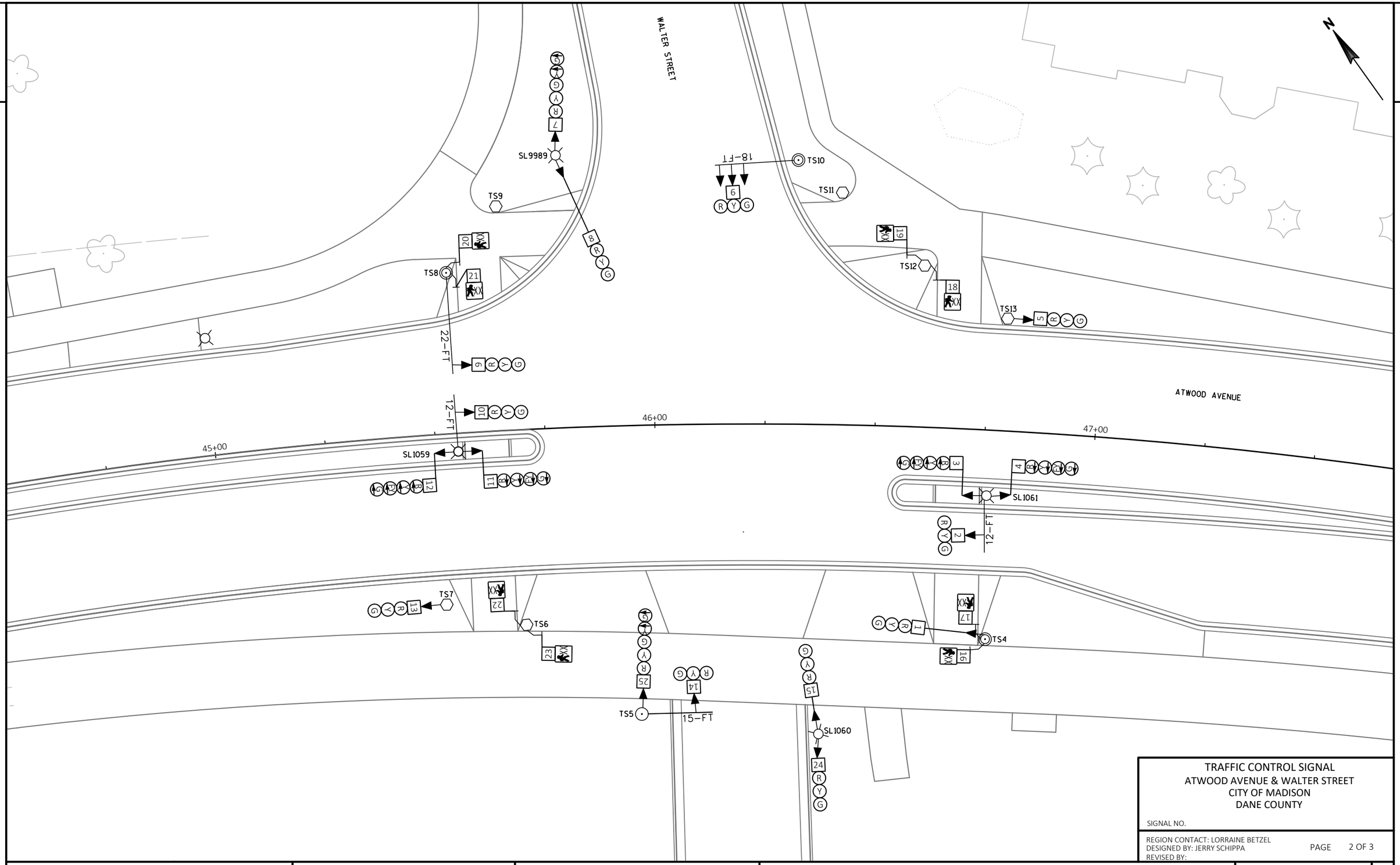
SIGNAL NO.

REGION CONTACT: LORRAINE BETZEL
DESIGNED BY: JERRY SCHIPPA
REVISED BY:

PAGE 1 OF 3

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 191	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 024201-sp
PLOT DATE : 9/13/2022 5:54 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



TRAFFIC CONTROL SIGNAL
ATWOOD AVENUE & WALTER STREET
CITY OF MADISON
DANE COUNTY

SIGNAL NO.

REGION CONTACT: LORRAINE BETZEL
DESIGNED BY: JERRY SCHIPPA
REVISED BY:

PAGE 2 OF 3

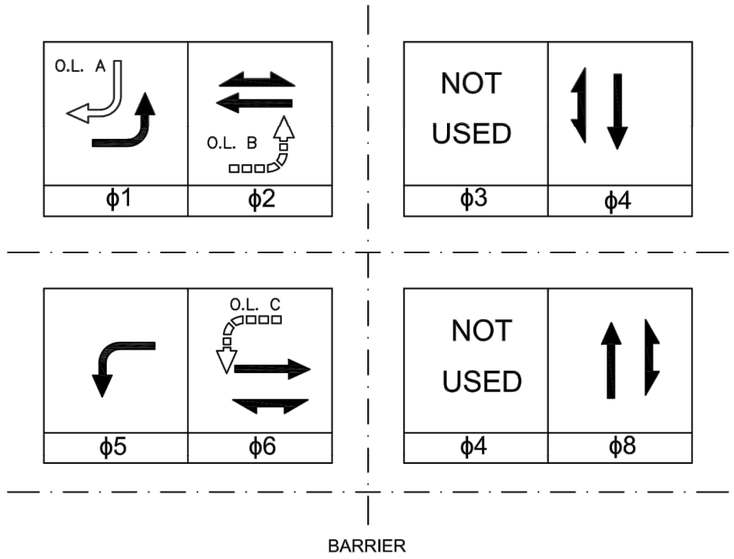
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	TRAFFIC SIGNAL PLAN: HEAD LAYOUT	SHEET 192	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 024202-sp

PLOT DATE : 9/13/2022 5:54 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:20 FT

	HEAD NUMBERS	FLASH
ϕ1	3, 12	R
ϕ2	5, 9, 10	R
ϕ3	---	---
ϕ4	7, 14, 15	R
ϕ5	4, 11	R
ϕ6	1, 2, 13	R
ϕ7	---	---
ϕ8	6, 8, 24	R
ϕ2 PED	19, 20	---
ϕ4 PED	21, 22	---
ϕ6 PED	16, 23	---
ϕ8 PED	17, 18	---
OLA	7, 25	---
OLB	3, 12	---
OLC	4, 11	---

O.L. ASSIGNMENTS
ϕ1
ϕ1, FYA ϕ2
ϕ5, FYA ϕ6



PREEMPTION ASSIGNMENTS			
PREEMPTION DESIGNATION	PREEMPTION TYPE	EVP CHANNEL	PHASE(S) CALLED
1	RESERVED		
2	RESERVED		
3	EB EVP	3	1, 6
4	WB EVP	4	5, 2
5	SB EVP	5	4, 8
6	NOT USED		
7	NOT USED		
8	NOT USED		
9	NOT USED		
10	NOT USED		

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / ϕ	PHASE RECALL	PHASE ACTIVE
1				X
2	X	6	PED	X
3				
4	X	8		X
5				X
6	X	2	PED	X
7				
8	X	4		X
9				

TYPE OF INTERCONNECT	
NONE	
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	X
RADIO	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	
IN SEPARATE LIGHTING CABINET	X

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	
GTT	X
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF REMOTE COMMUNICATION	
NONE	
FIBER	X
CELL MODEM	
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	L-62	L-61	L-51	L-11	L-65	L-64	L-41	L-81
PHASE CALLED	6	6	5	1		6	4	8
PHASE EXTENDED	6	6	5	1		6	4	8
DISCONNECT TIME								
CALLING DELAY				4				
EXTENSION STRETCH								
LOOP FUNCTION					BIKE	BIKE		

19	17	23	21	27	25	31	29	DETECTOR INPUT
L-23	L-21	L-44	L-45	L-47	L-82			DETECTOR #(S)
2	2	4		4	8			PHASE CALLED
2	2	4						PHASE EXTENDED
								DISCONNECT TIME
				3	3			CALLING DELAY
								EXTENSION STRETCH
		BIKE	BIKE	BIKE	BIKE			LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)	L-63		L-52	L-12	L-27	L-26	L-42	L-43
PHASE CALLED	6		5	1			1, 4	4
PHASE EXTENDED				1		2	1, 4	4
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION					BIKE	BIKE		

20	18	24	22	28	26	32	30	DETECTOR INPUT
L-22	L-24	L-46	L-84	L-25	L-83			DETECTOR #(S)
2	2	4	8	2	8			PHASE CALLED
2	2	4	8					PHASE EXTENDED
								DISCONNECT TIME
		4	10	3	3			CALLING DELAY
								EXTENSION STRETCH
		BIKE	BUS	BIKE	BIKE			LOOP FUNCTION

TRAFFIC CONTROL SIGNAL
ATWOOD AVENUE & WALTER STREET
CITY OF MADISON
DANE COUNTY

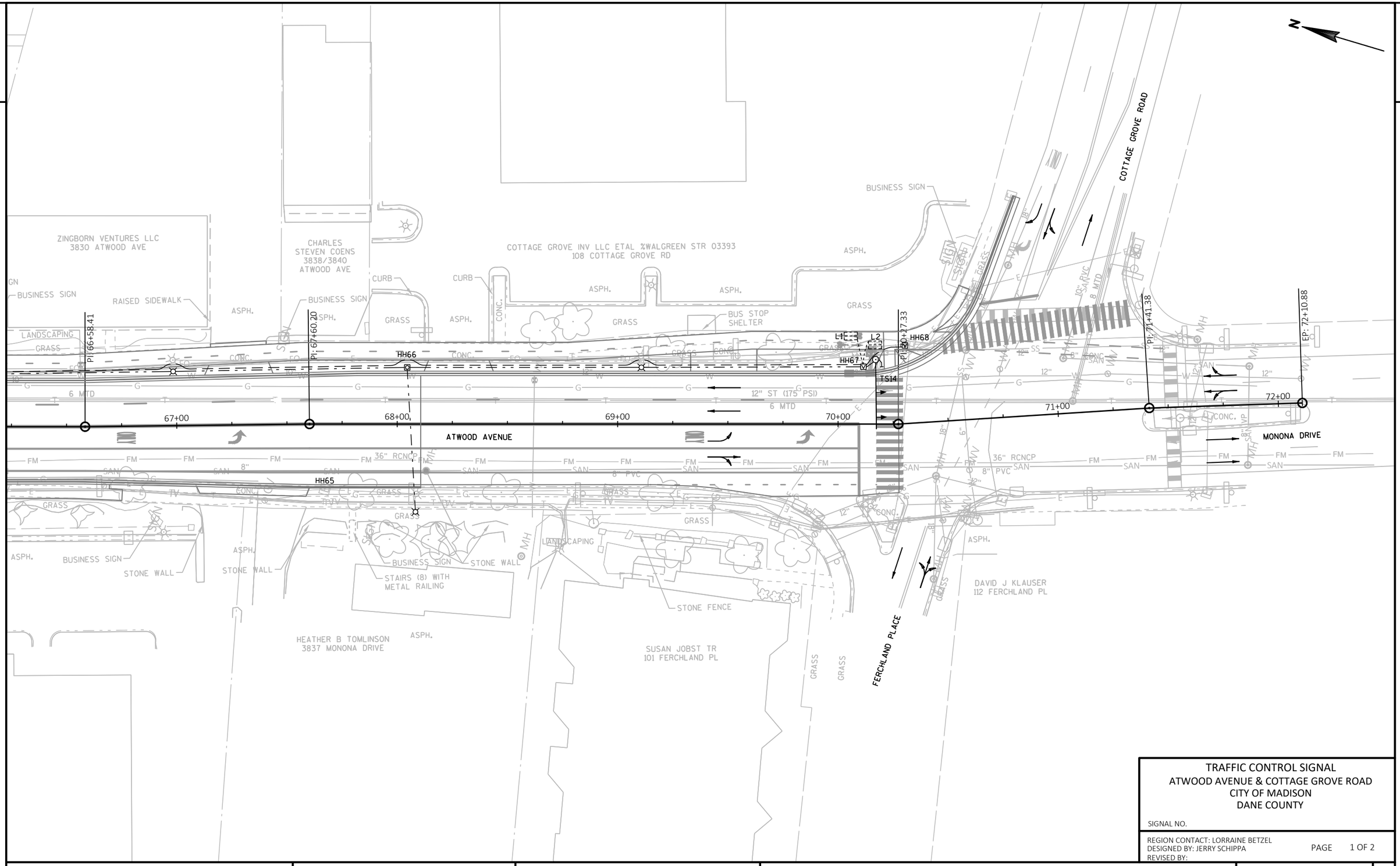
SIGNAL NO.

REGION CONTACT: LORRAINE BETZEL
DESIGNED BY: JERRY SCHIPPA
REVISED BY:

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	SEQUENCE OF OPERATIONS	SHEET 193	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 024205-sp
PLOT DATE : 9/13/2022 5:54 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL SIGNAL
ATWOOD AVENUE & COTTAGE GROVE ROAD
CITY OF MADISON
DANE COUNTY

SIGNAL NO.

REGION CONTACT: LORRAINE BETZEL
DESIGNED BY: JERRY SCHIPPA
REVISED BY:

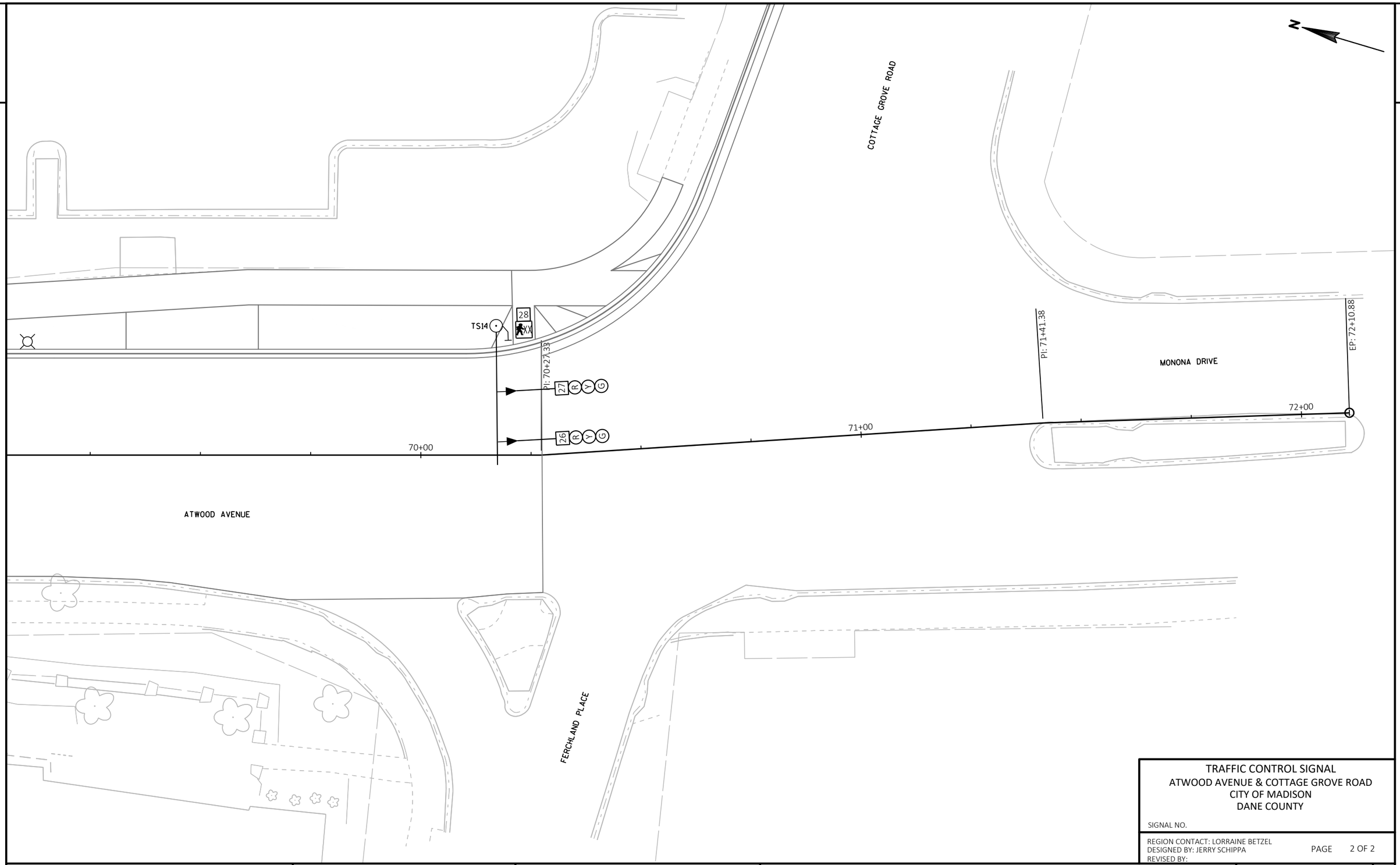
PAGE 1 OF 2

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 194	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 024203-sp

PLOT DATE : 9/13/2022 5:54 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



TRAFFIC CONTROL SIGNAL
ATWOOD AVENUE & COTTAGE GROVE ROAD
CITY OF MADISON
DANE COUNTY

SIGNAL NO.

REGION CONTACT: LORRAINE BETZEL
DESIGNED BY: JERRY SCHIPPA
REVISED BY:

PAGE 2 OF 2

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	TRAFFIC SIGNAL PLAN: HEAD LAYOUT	SHEET 195	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 024204-sp

PLOT DATE : 9/13/2022 5:54 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

PAVEMENT MARKING LEGEND

1	MARKING LINE EPOXY 4-INCH, YELLOW
2	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
3	MARKING LINE EPOXY 4-INCH, YELLOW, 3' LINE, 9' GAP
4	MARKING LINE EPOXY 4-INCH, YELLOW, 10' LINE, 30' GAP
5	MARKING LINE EPOXY 4-INCH, WHITE
6	MARKING LINE EPOXY 4-INCH, WHITE, 2' LINE, 6' GAP
7	MARKING LINE EPOXY 4-INCH, WHITE, 5' LINE, 5' GAP
8	MARKING PARKING STALL EPOXY, 4-INCH, WHITE
9	MARKING LINE EPOXY 6-INCH, WHITE
10	MARKING LINE EPOXY 6-INCH, WHITE, 10' LINE, 30' GAP
11	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
12	MARKING LINE EPOXY 4-INCH, YELLOW, 5' LINE, 5' GAP
13	MARKING LINE EPOXY 8-INCH, WHITE
14	MARKING LINE EPOXY 8-INCH, WHITE, 2' LINE, 6' GAP
15	MARKING DIAGONAL EPOXY 12-INCH, YELLOW
16	MARKING STOP LINE EPOXY 24-INCH, WHITE
17	MARKING CROSSWALK EPOXY LADDER PATTERN 18-INCH, WHITE
18	MARKING ARROW EPOXY, WHITE, TYPE 2
19	MARKING ARROW EPOXY, WHITE, BIKE LANE
20	MARKING SYMBOL EPOXY, WHITE, BIKE SYMBOL
21	MARKING SYMBOL EPOXY, WHITE, PEDESTRIAN SYMBOL
22	MARKING WORD EPOXY, WHITE, "ONLY"
23	MARKING CURB EPOXY, YELLOW
24	MARKING ISLAND NOSE EPOXY, YELLOW
25	MARKING SYMBOL EPOXY, WHITE, RAISED CROSSWALK SYMBOL
26	MARKING SYMBOL EPOXY, WHITE, HANDICAP SYMBOL
27	MARKING ARROW EPOXY, WHITE, TYPE 1
28	THERMOPLASTIC RETROREFLECTIVE PAVEMENT MARKING, 4-INCH, WHITE
29	THERMOPLASTIC RETROREFLECTIVE PAVEMENT MARKING, 6-INCH, WHITE
30	THERMOPLASTIC RETROREFLECTIVE PAVEMENT MARKING, 4-INCH, YELLOW, 3' LINE, 9' GAP
	HIGH FRICTION COLORED SURFACE, GREEN

2

3002 ATWOOD INVESTMENTS LLC
233 S FAIR OAKS AVE

3002 ATWOOD INVESTMENTS LLC
3010 ATWOOD AVE

MAYNARD SCHMUDLACH (LE)
MICHAEL SCHMUDLACH
3014 ATWOOD AVE

ROBERT H GRETHER
PAMELA K GRETHER
3026 ATWOOD AVE

KELLY SORENSON
NATHAN LIEGEL
3030 ATWOOD AVE

CONNIE JO NADLER
BONITA RAE ANDERSON
3034 ATWOOD AVE

CURRENT OWNER
3102 ATWOOD AVE

CURRENT OWNER
3106 ATWOOD AVE

RICHARD WATTS
3112 ATWOOD AVE

DAVID
MELISSA
3114 A

ERNE A
ENKOTT
ERIE L
ENKOTT
TWOOD AVE

FAIR OAKS AVENUE

WOOD RAILING
STEPS (2)
GRASS
ASPH.
WOOD FENCE
STONE RETAINING WALL
STEPS (5)
WOOD FENCE
STONE RETAINING WALL
STEPS (8)
STEPS (5)
STEPS (6) WITH METAL RAILING
STEPS (5) WITH METAL RAILING
STEPS (5) WITH METAL RAILING
STONE RETAINING WALL
STEPS (3)
STO
RET
S

PT: 11+96.89

PC: 16+62.62

16

10 (TYP.)

GRASS
CONC.

12+00
13+00
14+00
15+00
16+00
17+

4'

10'
10'
11'

2

8'

11

16

4'

ATWOOD AVENUE

MATCHLINE STA. 17+00

10+00

CONC.
CONC.
GRASS
SIGN
SCHOOL SIGN

GRASS
METAL FENCE
STEPS (10)
LANDSCAPING

GRASS

GRASS
TIMBER WALL
STERS (4)
CONC.
CONCRETE CURB/WALL

10 REPLACE MARKINGS REMOVED FOR STAGING LANE CLOSURE

HILARY ANN STEIN
2929 ATWOOD AVE

MAPLE AVENUE

MADISON METRO SCHOOL DISTRICT
401 MAPLE AVE

GRASS
CONC.

LUDINGTON AVENUE

DAVID J BLOOM
RAINA M BLOOM
401 LUDINGTON AVE

MICHAEL JOHN SHORT
3105 ATWOOD AVE

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PAVEMENT MARKINGS	SHEET 197	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024502-pm

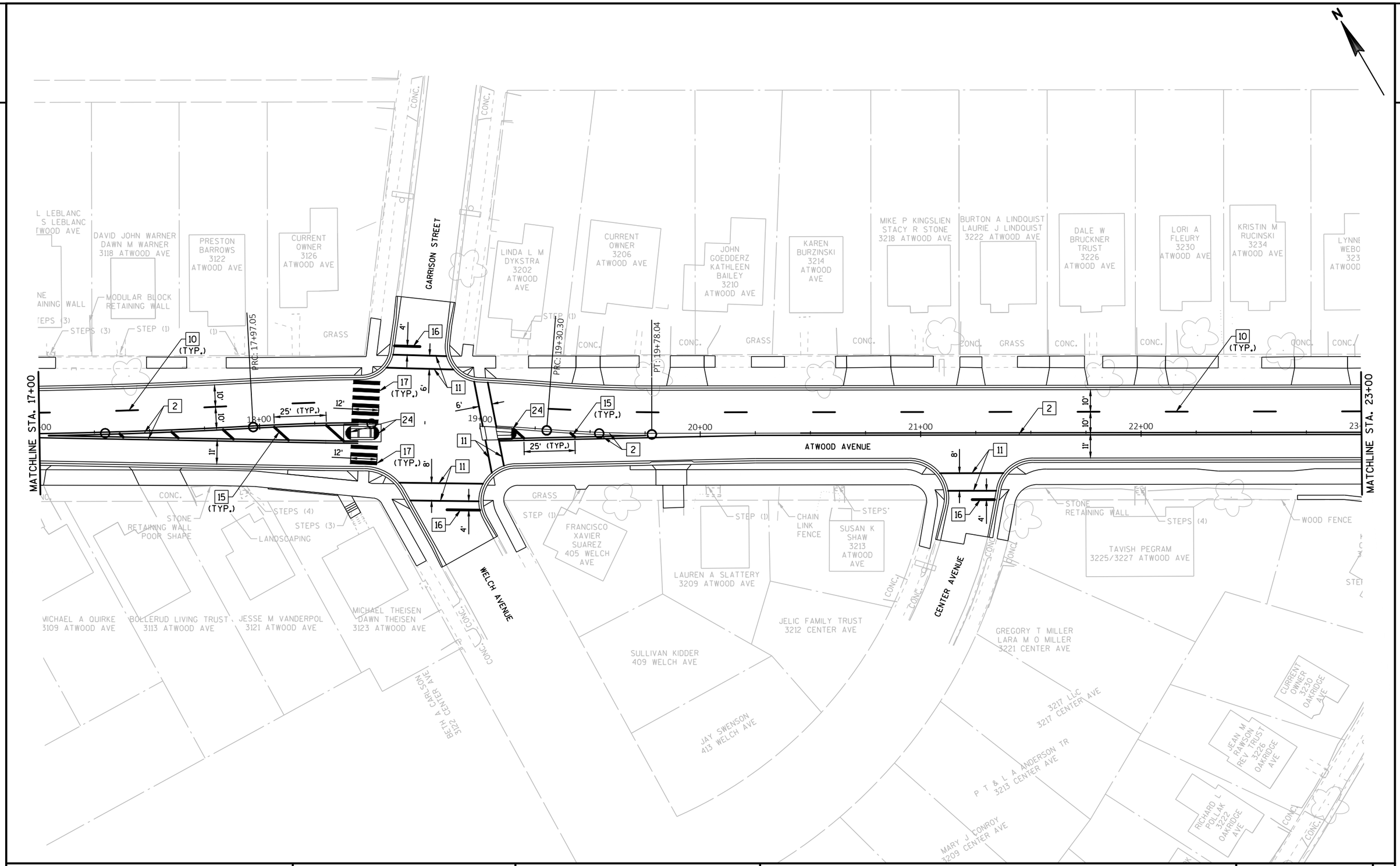
PLOT DATE : 9/13/2022 6:20 AM

PLOT BY : JASON DOLENS

PLOT NAME :

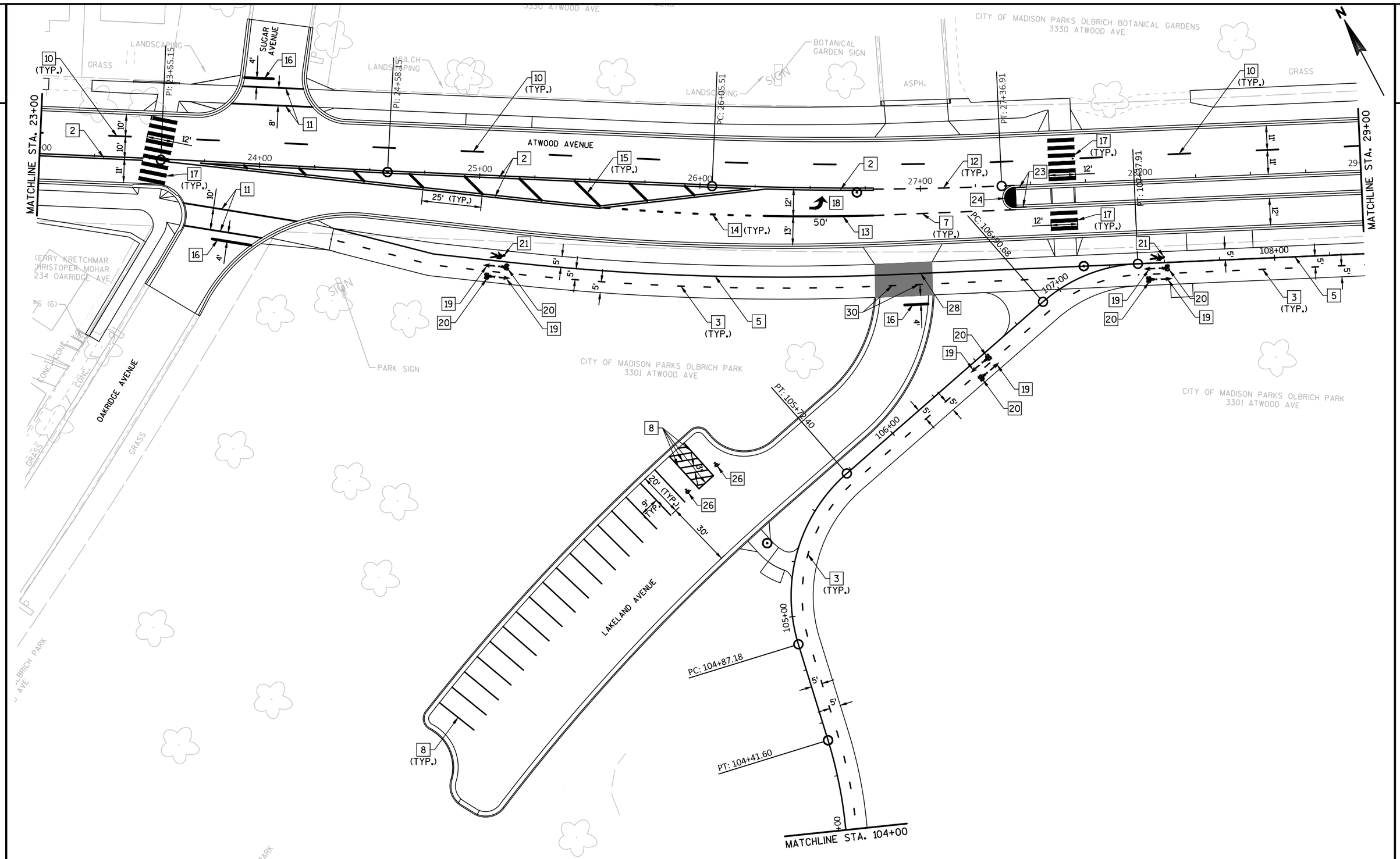
PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PAVEMENT MARKINGS	SHEET 198	E

2



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PAVEMENT MARKINGS	SHEET 199	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024504-pm

PLOT DATE : 9/13/2022 6:20 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

CITY OF MADISON PARKS OLBRICH BOTANICAL GARDENS
3330 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

SHRUBS
MULCH
IRON FENCE
GRASS
ASPH.
GRASS

PI: 29+70.29
PI: 31+27.82
PI: 33+54.16

ATWOOD AVENUE

MATCHLINE STA. 29+00
MATCHLINE STA. 35+00

PC: 108+52.91
PT: 108+54.99

PI: 12+51.72
PC: 12+51.18
PT: 12+57.53

29+00
30+00
31+00
32+00
33+00
34+00
35+00

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

11'
12'
10'
5'

10 (TYP.)
15 (TYP.)
2
23
24
18
22
13
12 (TYP.)
7 (TYP.)
21
19
20
3 (TYP.)
5

CITY OF MADISON PARKS OLBRICH PARK
3301 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PAVEMENT MARKINGS	SHEET 200	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024505-pm

PLOT DATE : 9/13/2022 6:20 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

PARK SIGN

GRASS

PI: 36+23.49

MATCHLINE STA. 35+00

MATCHLINE STA. 41+00

ATWOOD AVENUE

PC: 115+02.49

PT: 115+08.85

EP: 116+39.74

35+00

36+00

37+00

38+00

39+00

40+00

41

115+00

116+00

10 (TYP.)

17 (TYP.)

23

7 (TYP.)

13

18

22

2

15 (TYP.)

24

12 (TYP.)

28

21

3 (TYP.)

5

19

20

30

16

4'

ASPH.

PARK SIGN

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PAVEMENT MARKINGS	SHEET 201	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024506-pm

PLOT DATE : 9/13/2022 6:20 AM

PLOT BY : JASON DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

2

N

MATCHLINE STA. 41+00

MATCHLINE STA. 47+00

MATCHLINE STA. 200+50

BP: 200+00.00

PC: 44+29.97

ATWOOD AVENUE

WALTER STREET

200'

90'

42+00

43+00

44+00

45+00

46+00

CHAIN LINK FENCE

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

PARK SIGN

SIGN

GRASS

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

OLBRICH BY THE LAKE /
3528 ATWOOD A

ASPH.

10 (TYP.)

3 (TYP.)

5

7 (TYP.)

6 (TYP.)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PAVEMENT MARKINGS	SHEET 202	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024507-pm

PLOT DATE : 9/13/2022 6:20 AM

PLOT BY : JASON DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

2

MICHAEL CHARLES MELVIN
JACLYN MARIE MELVIN
3514 DENNETT DR

OLBRICH BY THE LAKE ASSOC LLC
3528 ATWOOD AVE

APARTMENT SIGN

RUTH E NICHOLS
JAMES C NICHOLS
3502 DENNETT DR UNIT P2

DENNETT DRIVE

LLOYD J BLANEY
3602 ATWOOD AVE

A J PROBST
3606 ATWOOD AVE
(VACANT LOT)

VIRGINIA PROBST
3610 ATWOOD AVE

ATWOOD AVENUE

PT: 48+17.26

PC: 49+12.79

PT: 50+68.82

MATCHLINE STA. 47+00

MATCHLINE STA. 53+00

CITY OF MADISON PARKS OLBRICH
3527 ATWOOD AVE

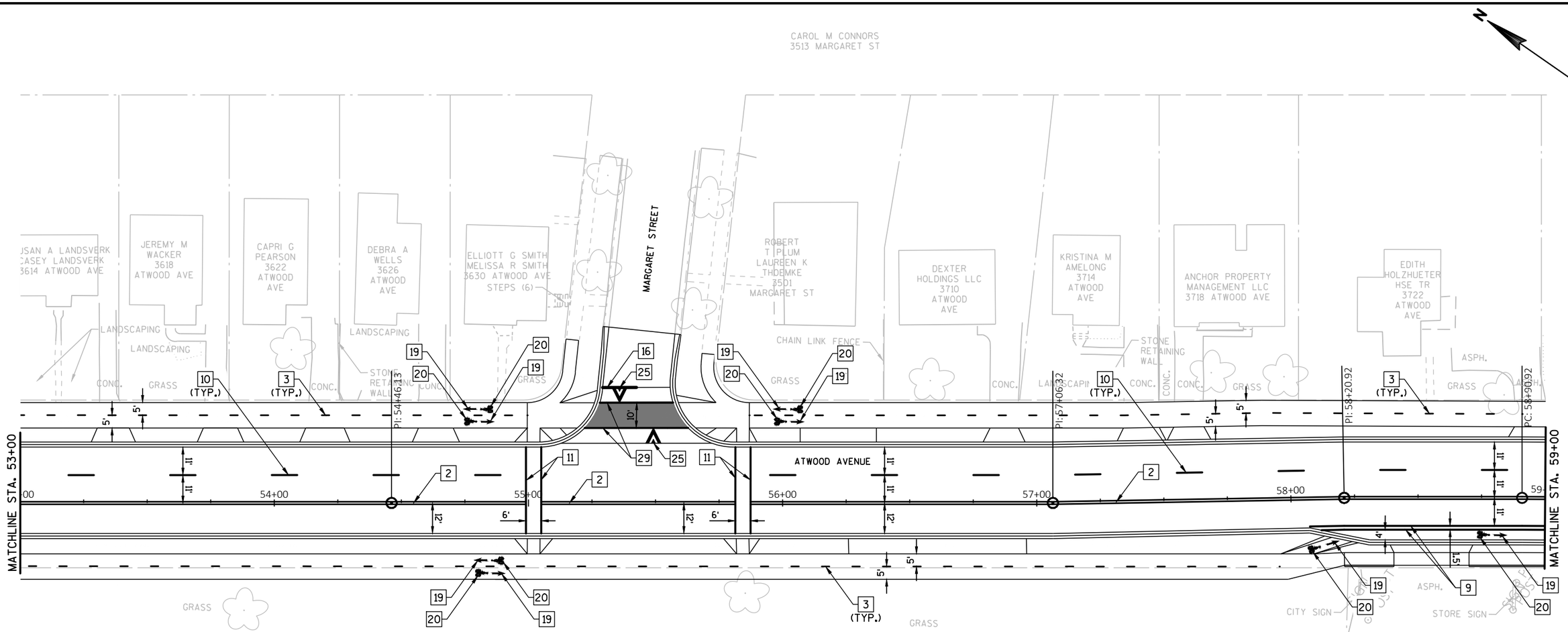
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PAVEMENT MARKINGS	SHEET 203 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024508-pm

PLOT DATE : 10/12/2022 11:18 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

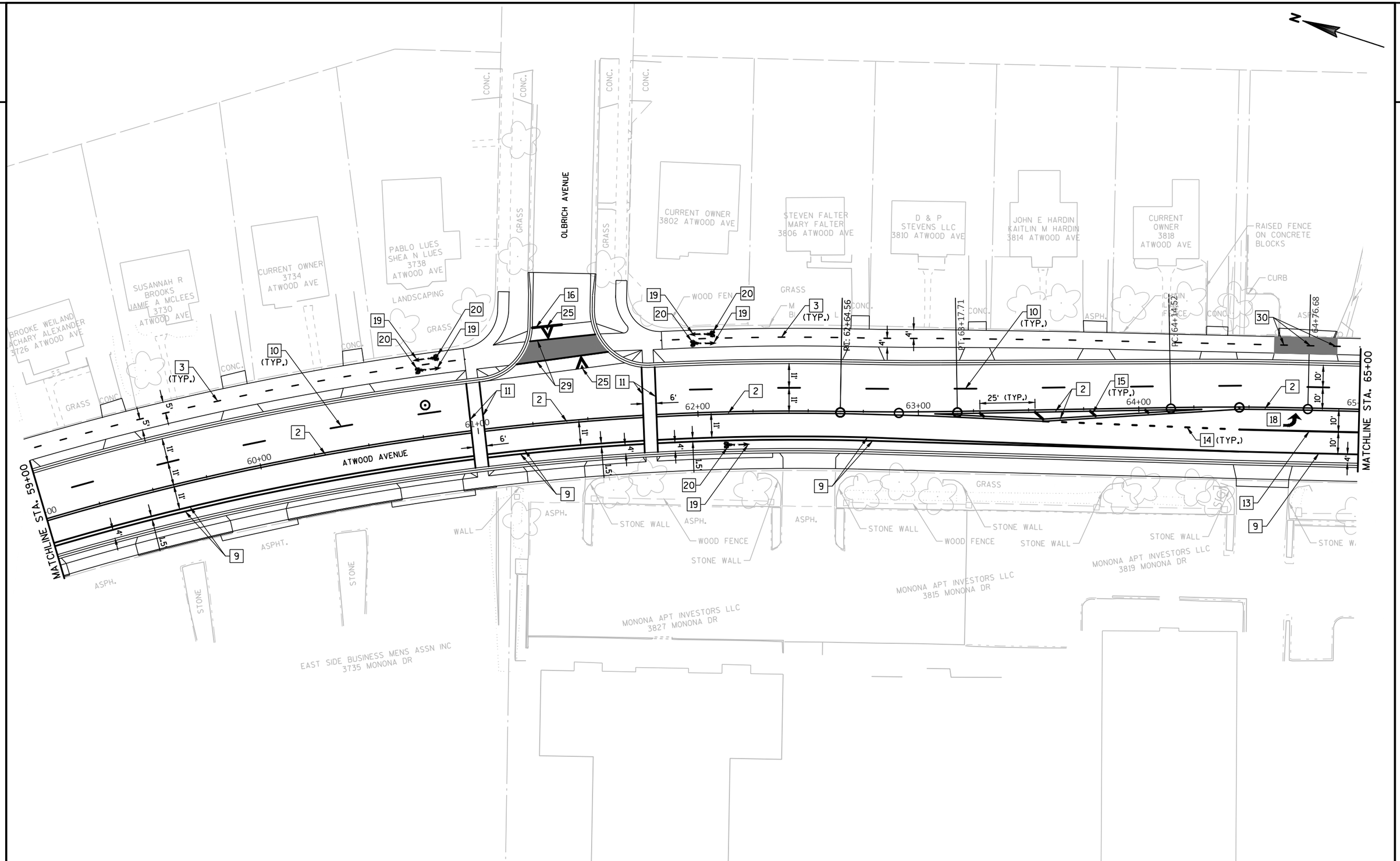
WISDOT/CADDS SHEET 42

2



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PAVEMENT MARKINGS	SHEET 204	E

2

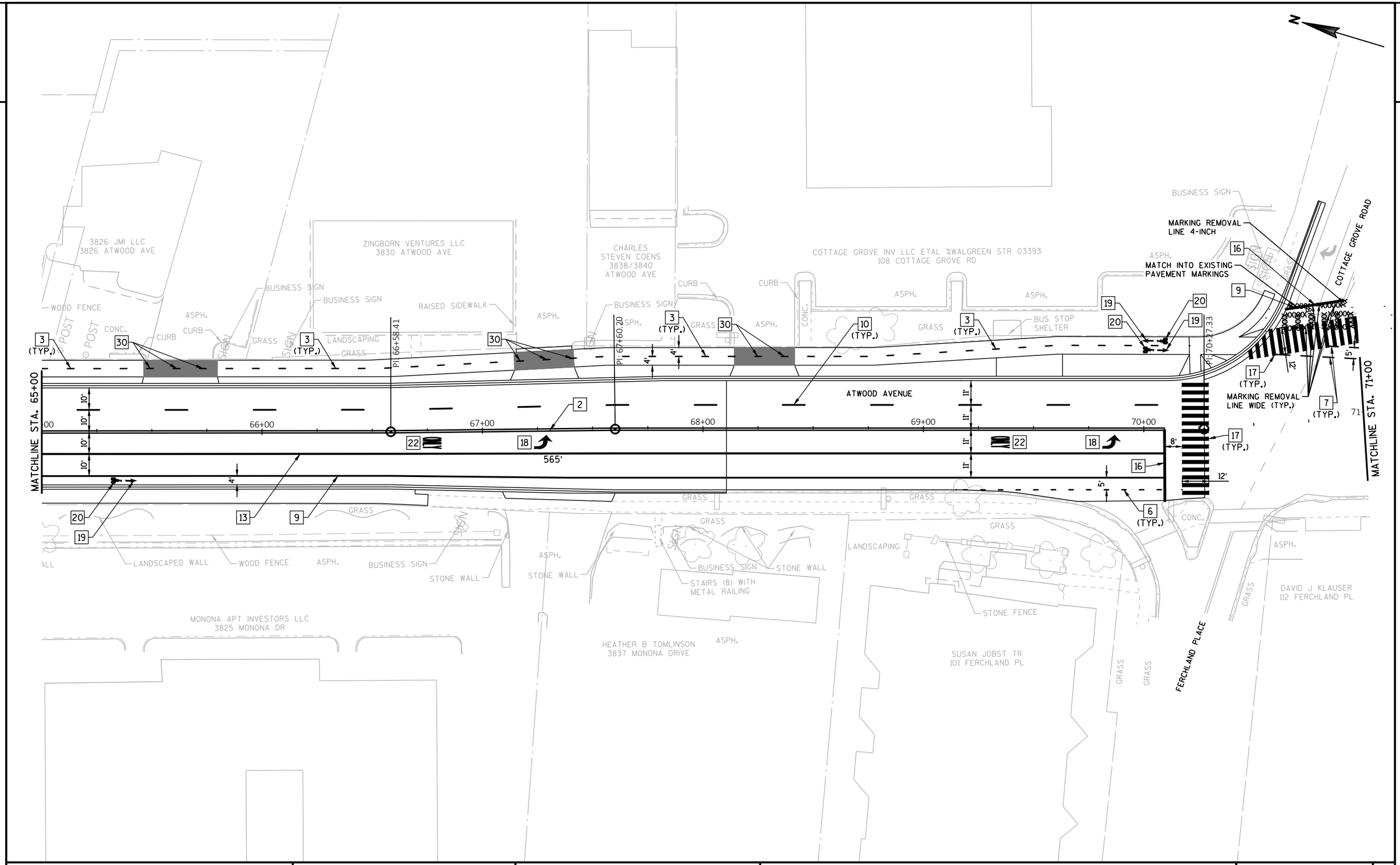


PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PAVEMENT MARKINGS	SHEET 205	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024510-pm

PLOT DATE : 9/13/2022 6:20 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

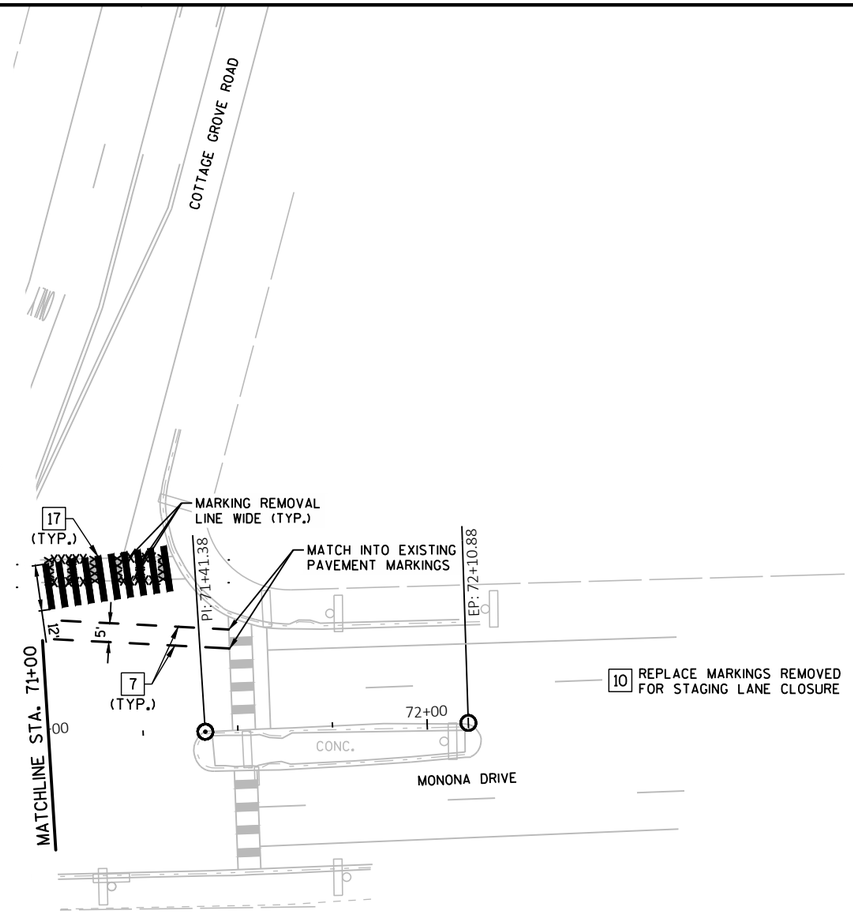
2



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PAVEMENT MARKINGS	SHEET 206	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024511-pm
PLOT DATE : 9/13/2022 6:20 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

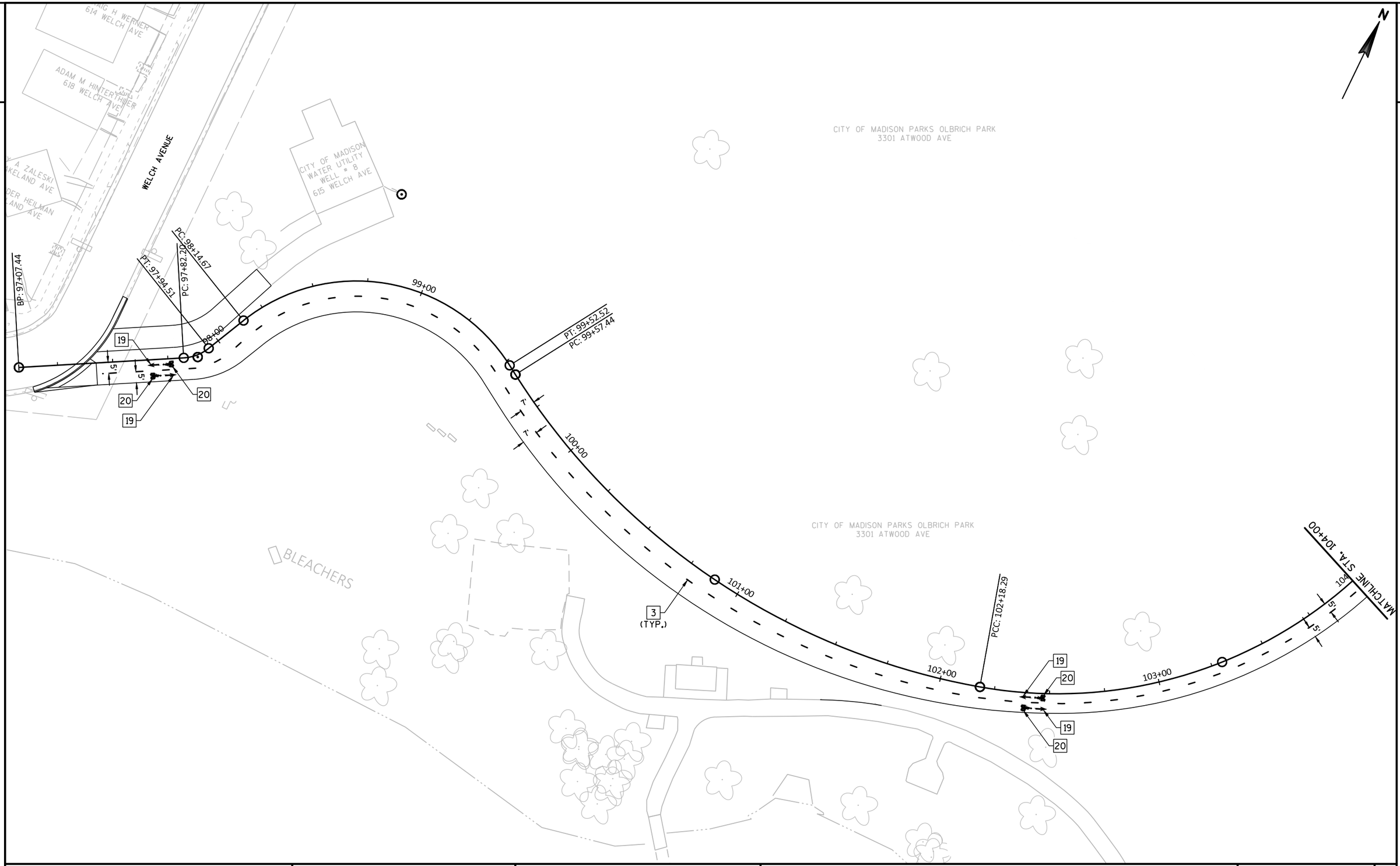
2



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PAVEMENT MARKINGS	SHEET 207	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024514-pm
PLOT DATE : 9/13/2022 6:21 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PAVEMENT MARKINGS	SHEET 208	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024512-pm

PLOT DATE : 9/13/2022 6:21 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

MADISON METRO
SEWERAGE DISTRICT
STATION 6
402 WALTER ST

PT: 202+87.60

EP: 206+36.41

PC: 200+70.13

MATCHLINE STA. 200+50

WALTER STREET

201+00 202+00 203+00 204+00 205+00 206+00

GRASS ASPH. CONC.

3 (TYP.)

27

30

10 (TYP.)

6'

10'

11'

11

2

19

20

MATCH INTO EXISTING
PAVEMENT MARKINGS

JOHNS STREET

SARGENT STREET

ROBERT CAREY
505 WALTER ST

GRANT MOORE
JENNIFER MOORE
3501 SARGENT ST

BARBARA L
SEYMOUR
3504
SARGENT ST

LAURIE
SOLCHENBERGER
401 WALTER ST

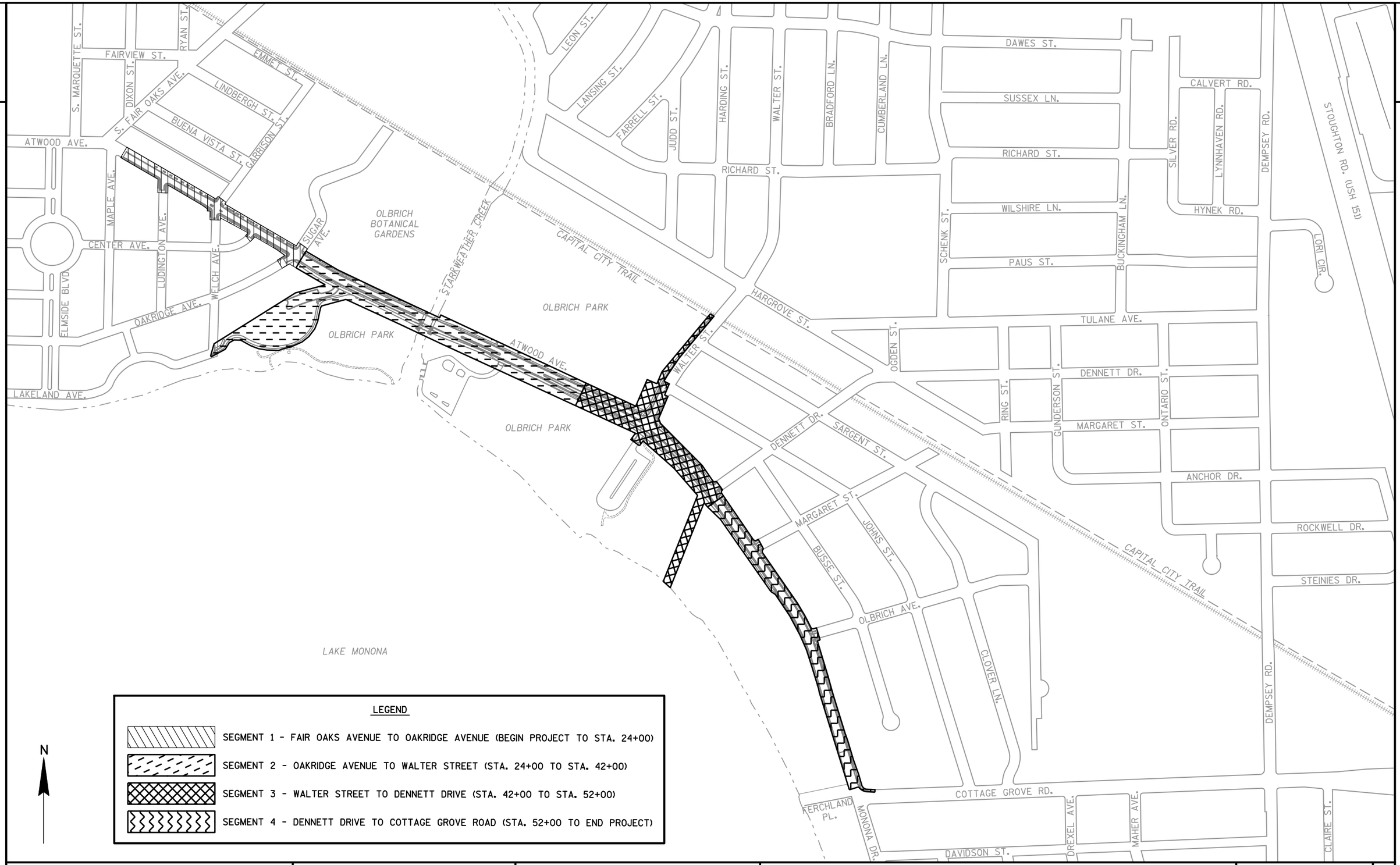
SSOC LLC
/E

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PAVEMENT MARKINGS	SHEET 209	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024513-pm

PLOT DATE : 9/13/2022 6:21 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	TRAFFIC CONTROL SEGMENTS	SHEET 210	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026000-TC SEGMENTS.DWG
LAYOUT NAME - 026000-tc

PLOT DATE : 9/13/2022 9:57 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:500 FT

2

2

N

GARRISON STREET

ATWOOD AVENUE

MATCHLINE STA. 23+00

17+00 18+00 19+00 20+00 21+00 22+00 23

PRC: 17+97.05

PRC: 19+30.30

PT: 19+78.04

DAVID L LEBLANC
MELISSA S LEBLANC
3114 ATWOOD AVE

DAVID JOHN WARNER
DAWN M WARNER
3118 ATWOOD AVE

PRESTON BARROWS
3122
ATWOOD AVE

CURRENT OWNER
3126
ATWOOD AVE

LINDA L M DYKSTRA
3202
ATWOOD AVE

CURRENT OWNER
3206
ATWOOD AVE

JOHN GOEDDERZ
KATHLEEN BAILEY
3210
ATWOOD AVE

KAREN BURZINSKI
3214
ATWOOD AVE

MIKE P KINGSLIEN
STACY R STONE
3218 ATWOOD AVE

BURTON A LINDQUIST
LAURIE J LINDQUIST
3222 ATWOOD AVE

DALE W BRUCKNER TRUST
3226
ATWOOD AVE

LORI A FLEURY
3230
ATWOOD AVE

KRISTIN M RUCINSKI
3234
ATWOOD AVE

LYNNE WEBO
323
ATWOOD

STONE RETAINING WALL
STEPS (3)
MODULAR BLOCK RETAINING WALL
STEPS (3)
STEP (1)
STEP (1)
GRASS
STOP
EXISTING TO REMAIN
GUY
8" PVC
2" PL (20 PSI)
CONC.
GRASS
STEP (1)
CONC. 2" PL (20 PSI) CONC.
GRASS
CONC.
GRASS
CONC.
GRASS
CONC.
LANDSCAPING
15"
12"
6"
8" VP
6" VP
6-4" PVC
6 MTD
STONE RETAINING WALL POOR SHAPE
STEPS (4)
STEPS (3)
LANDSCAPING
STEP (1)
FRANCISCO XAVIER SUAREZ
5 WELCH AVE
STOP
EXISTING TO REMAIN
LAUREN A SLATTER
3209 ATWOOD AVE
STEP (1)
ROAD WORK AHEAD
W20-1A
48"X48"
STEPS
SUSAN K SHAW
3213
ATWOOD AVE
STONE RETAINING WALL
STEPS (4)
WOOD FENCE
TAVISH PEGRAM
3225/3227 ATWOOD AVE
STOP
EXISTING TO REMAIN
WELCH AVENUE
CENTER AVENUE
2" PL (20 PSI)
SULLIVAN KIDDER
409 WELCH AVE
GREGORY T MILLER
LARA M O MILLER
3221 CENTER AVE
JAY SWENSON
413 WELCH AVE
3217 LLC
3217 CENTER AVE
P T & L A ANDERSON TR
3213 CENTER AVE
MARY J CONROY
3209 CENTER AVE
CURRENT OWNER
3230
OAKRIDGE AVE
JEAN M RAWSON REV TRUST
3226
OAKRIDGE AVE
RICHARD L POLLAK
3222
OAKRIDGE AVE
NOTE: SEE S.D.D. "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR SIGN SPACING REQUIREMENTS.

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 1	SHEET 211	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 026004-s1
PLOT DATE : 9/13/2022 8:25 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

MATCHLINE STA. 23+00

MATCHLINE STA. 29+00

ATWOOD AVENUE

SUGAR AVENUE

OAKRIDGE AVENUE

LAKELAND AVENUE

JAMES DRURY
3242
ATWOOD

CITY OF MADISON PARKS OLBRICH BOTANICAL GARDENS
3330 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH PARK
3301 ATWOOD AVE

JERRY KRETCHMAR
CHRISTOPER MOHAR
234 OAKRIDGE AVE

SCULPTURE FOUNDATION

LANDSCAPING

BOTANICAL
GARDEN SIGN

STOP
EXISTING
TO REMAIN

EXISTING
TO REMAIN

ROAD
WORK
500 FT
W20-1D
48"X48"

ROAD
WORK
250 FT
W20-1H
48"X48"

END
ROAD WORK
G20-2A
48"X24"

PI: 23+55.15

PI: 24+58.15

PC: 26+05.51

PT: 27+36.91

24+00

25+00

26+00

27+00

28+00

LEGEND

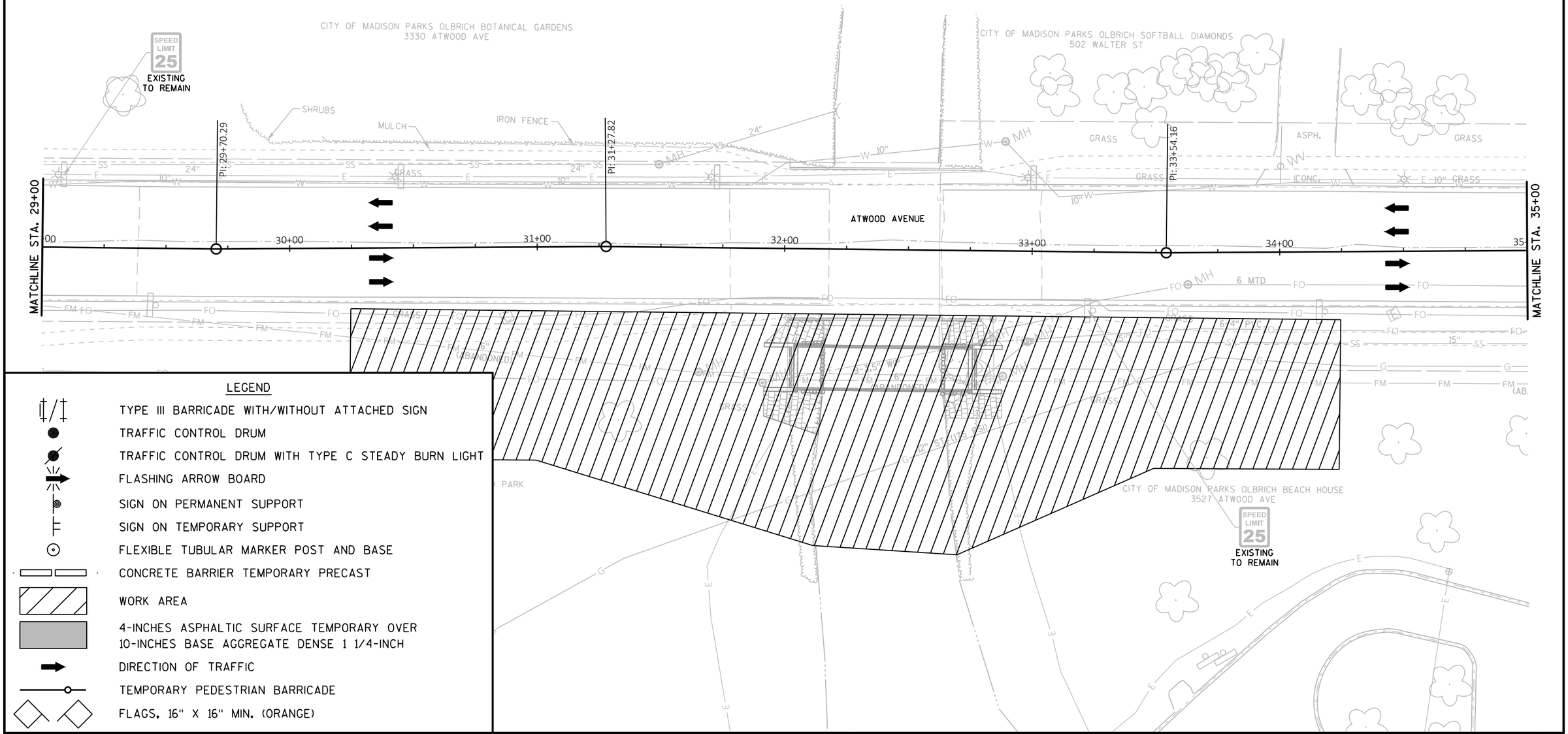
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 1	SHEET 212	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 026005-s1

PLOT DATE : 9/13/2022 8:25 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 1	SHEET 213	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 026006-s1
PLOT DATE : 9/13/2022 8:25 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

PARK SIGN

PI: 36+23.49

ASPH.

GRASS

ATWOOD AVENUE

MATCHLINE STA. 35+00

MATCHLINE STA. 41+00

36+00 37+00 38+00 39+00 40+00 41

6 MTD

6-4" PVC

12" ST (175 PSI)

6" (ABANDONED)

MH

STOP

EXISTING TO REMAIN

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

BOAT LAUNCH ENTRANCE

LEGEND

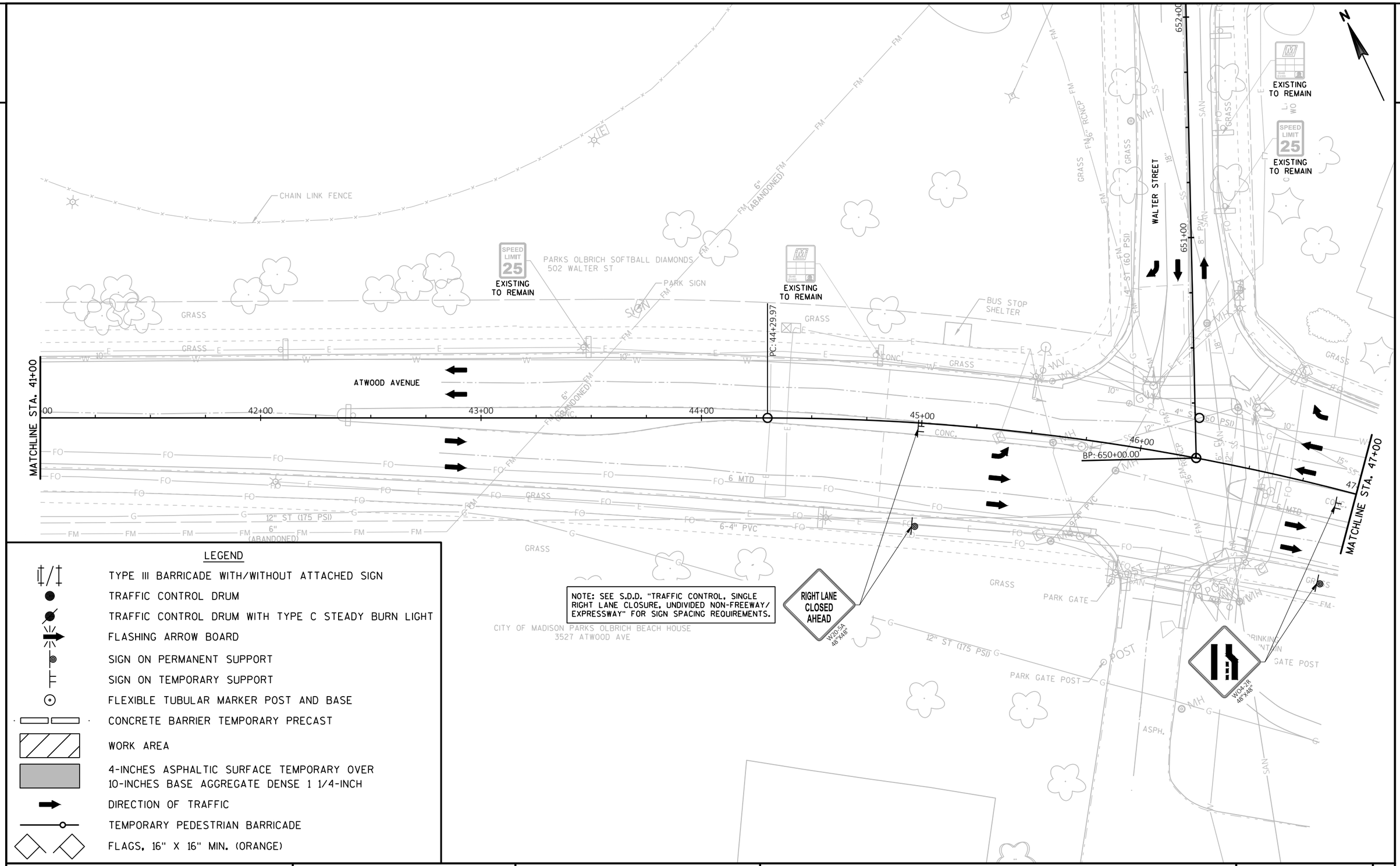
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 1	SHEET 214	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 026007-s1

PLOT DATE : 9/13/2022 8:25 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 1	SHEET 215	E

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD WORK AHEAD
W20-1A
48"X48"

MICHAEL CHARLES MELVIN
JACLYN MARIE MELVIN
3514 DENNETT DR

RUTH E NICHOLS
JAMES C NICHOLS
3502 DENNETT DR UNIT P2

STOP
EXISTING TO REMAIN

DENNETT DRIVE

LLOYD J BLANEY
3602 ATWOOD AVE

A J PROBST
3606 ATWOOD AVE
(VACANT LOT)

VIRGINIA PROBST
3610 ATWOOD AVE

ATWOOD AVENUE

PT: 48+17.26
PC: 49+12.79
PT: 50+68.82

MATCHLINE STA. 47+00
MATCHLINE STA. 53+00

48+00
49+00
50+00
51+00
52+00

125' TAPER
25' (TYP.)
25' (TYP.)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

LANE CLOSED
R11-2L
48"X30"

SPEED LIMIT 25
EXISTING TO REMAIN

SPEED LIMIT 25
EXISTING TO REMAIN

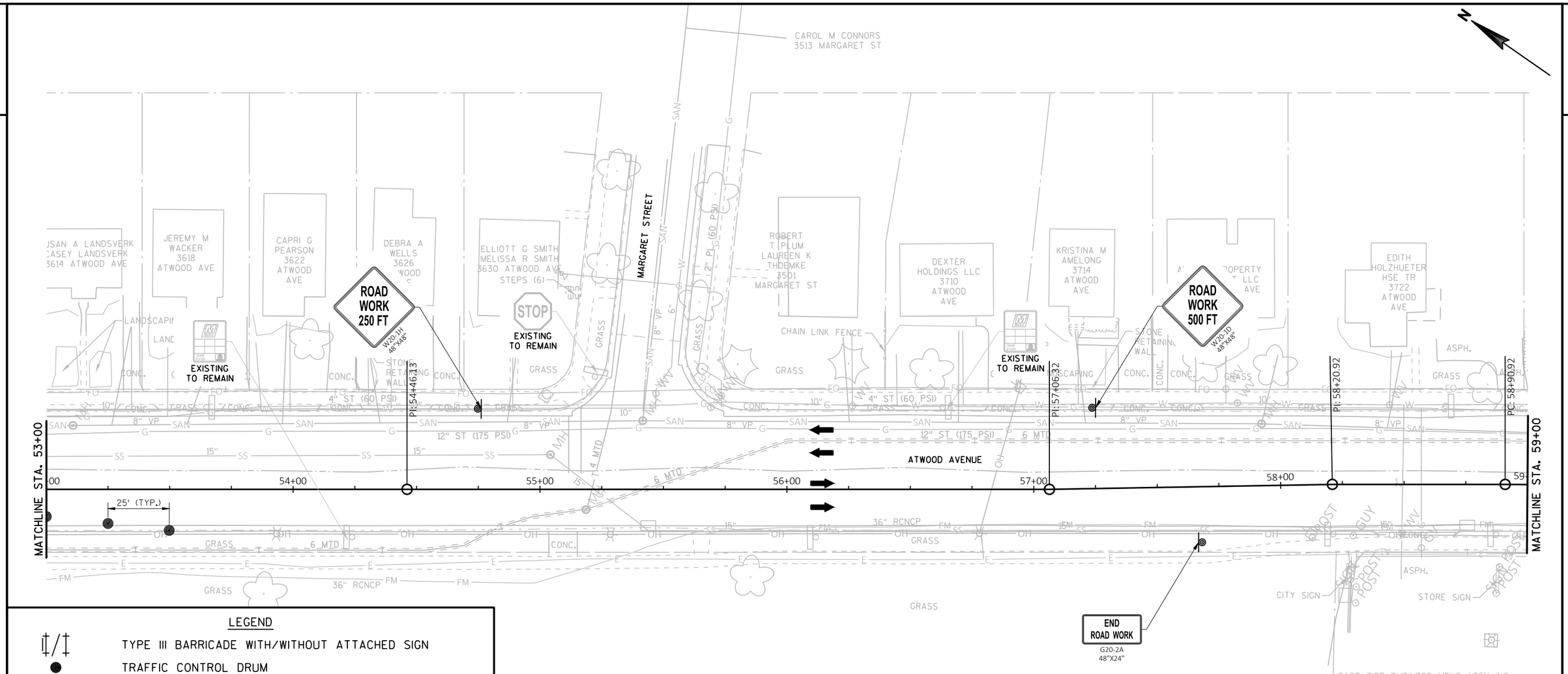
EXISTING TO REMAIN

CITY OF MADISON PARKS OLI
3527 ATWOOD

TLE
TLE

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 1	SHEET 216	E

2



LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 1	SHEET 217	E

2

N

ROAD WORK AHEAD
W20-1A 48"X48"

NOTE: SEE S.D.D. "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR SIGN SPACING REQUIREMENTS.

ATWOOD AVENUE

OLBRICH AVENUE

MATCHLINE STA. 59+00

60+00 61+00 62+00 63+00 64+00 65+00

PC: 62+64.56
PT: 63+17.71
PC: 64+14.52
PT: 64+76.68

SPEED LIMIT 25 EXISTING TO REMAIN

STOP EXISTING TO REMAIN

EXISTING TO REMAIN

EXISTING TO REMAIN

EXISTING TO REMAIN

BROOKE WEILAND
ACHARY ALEXANDER
3726 ATWOOD AVE

SUSANNAH R BROOKS
JAMIE A MCLEES
3730 ATWOOD AVE

CURRENT OWNER
3734 ATWOOD

PABLO LUF
SHEA N L'
3738 ATWOOD

CURRENT OWNER
3802 ATWOOD AVE

STEVEN FALTER
MARY FALTER
3806 ATWOOD

D & P

JOHN E HARDIN

CURRENT OWNER
3818 ATWOOD AVE

MONONA APT INVESTORS LLC
3827 MONONA DR

EAST SIDE BUSINESS MENS ASSN INC
3735 MONONA DR

MONONA APT IN
3815 MON

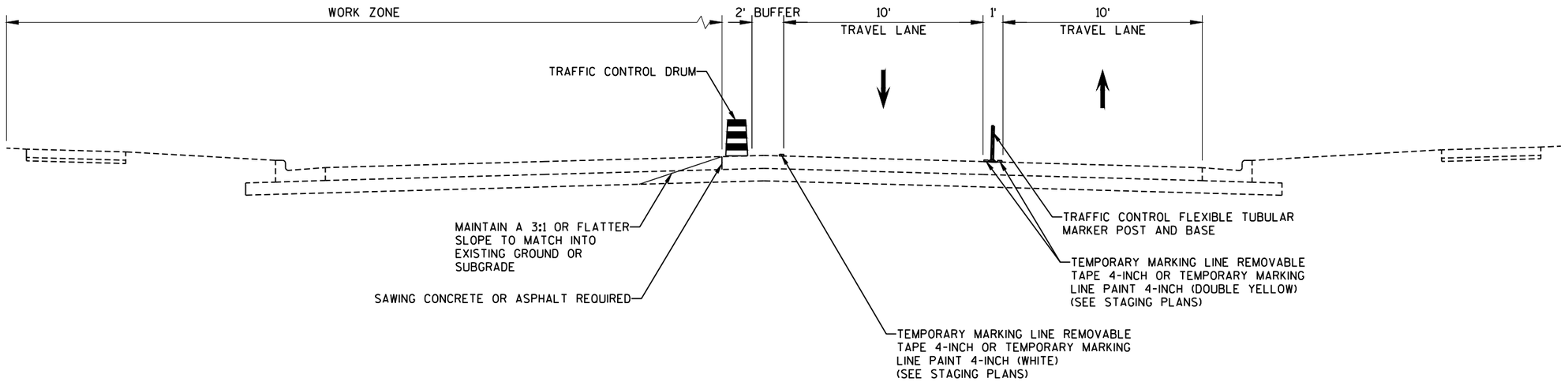
LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 1	SHEET 218	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 026011-s1
PLOT DATE : 9/13/2022 8:25 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



ATWOOD AVENUE – STAGE 2A

WALTER STREET - DENNETT DRIVE
(STA. 41+50 - STA. 52+50)

2

2

CITY OF MADISON PARKS OLBRICH BOTANICAL GARDENS
3330 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

SPEED LIMIT 25
EXISTING TO REMAIN

SHRUBS
MULCH
IRON FENCE
GRASS
ASPH.
CONC.

PI: 29+70.29
PI: 31+27.82
PI: 33+54.16

ATWOOD AVENUE

29+00 30+00 31+00 32+00 33+00 34+00 35

MATCHLINE STA. 35+00

6" (ABANDONED)
9-3.5" WIP
6" (ABANDONED)
6 MTD
6-4" PVC
12" ST

SPEED LIMIT 25
EXISTING TO REMAIN

ROAD WORK AHEAD
W20-1A 48"X48"

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

NOTE: SEE S.D.D. "TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/ EXPRESSWAY" FOR SIGN SPACING REQUIREMENTS.

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 2A	SHEET 220	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S2A.DWG
LAYOUT NAME - 026006-s2a
PLOT DATE : 9/13/2022 9:01 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

END ROAD WORK
G20-2A
48"X24"

PARK SIGN

LEFT LANE CLOSED AHEAD
W20-5SA
48"X48"

Pi: 36+23.49

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

GRASS

ASPH.

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

MARKING REMOVAL LINE 4-INCH (DOUBLE YELLOW CENTERLINE)

25' (TYP.)

ATWOOD AVENUE

11'

MATCHLINE STA. 35+00

MATCHLINE STA. 41+00

36+00

37+00

38+00

39+00

40+00

41

25' (TYP.)

125' TAPER

6 MTD

6-4" PVC

12" ST (175 PSI)

6" (ABANDONED)

MH

STOP
EXISTING TO REMAIN

W4O4-2L
48"X48"

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW) (LINES 2' APART)

MARKING REMOVAL LINE 4-INCH (LANE LINE DASH)

BOAT LAUNCH ENTRANCE

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 2A	SHEET 221	E

2

2

MATCHLINE STA. 651+75

MATCHLINE STA. 41+00

MATCHLINE STA. 47+00

CHAIN LINK FENCE
TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW) (LINES 2' APART)

MARKING REMOVAL LINE 4-INCH (DOUBLE YELLOW CENTERLINE)

125' TAPER

MARKING REMOVAL LINE 4-INCH (LANE LINE DASH)

W01-4R 48"X48"

SPEED LIMIT 25
R2-1
24"X30"

LANE CLOSED
R11-2L
48"X30"

W06-3 48"X48"

ATWOOD AVENUE

25' (TYP.)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

PARKS OLBRICH
502 WALTER S

SIGN

GRASS

12" ST (175 PSI)

6" (ABANDONED) FM

6-4" PVC

R3-2
24"X24"

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

COVER PLATES TEMPORARY

SAWCUT (TYP.)

PC: 44+29.97

44+75.00
-25.70'

44+75.00
0.00'

45+00

45+46.20
-24.00'

45+66.78
-23.81'

45+66.82
-29.18'

45+70.71
0.00'

45+74.60
-51.00'

46+00

46+11.81
-23.88'

46+49.98
5.00'

46+56.80
-24.60'

46+61.18
-14.19'

46+65.14
1.39'

BP: 650+00.00

651+00

WALTER STREET

OLBRICH BY THE LAKE ASS
3528 ATWOOD AVE

TEMPORARY CURB RAMP, TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

TEMPORARY BUS STOP ON EXISTING CONCRETE MEDIAN, TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

TAPE

PAINT

MARKING REMOVAL LINE WIDE (STOP LINE)

DO NOT PASS
R4-1
24"X30"

ROAD CLOSED
R11-2
48"X30"

PARK GATE

PARK GATE POST

STOP
R1-1
30"X30"

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

DRINKING FOUNTAIN

PARK GATE POST

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 2A	SHEET 222	E

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

MICHAEL CHARLES MELVIN
JACLYN MARIE MELVIN
3514 DENNETT DR

ROAD CLOSED AHEAD
W20-3A
48"X48"

ROAD CLOSED
R11-2
48"X30"

DENNETT DRIVE

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

MARKING REMOVAL LINE 4-INCH (DOUBLE YELLOW CENTERLINE)

LLOYD J BLANEY
3602 ATWOOD AVE

A J PROBST
3606 ATWOOD AVE
(VACANT LOT)

VIRGINIA PROBST
3610 ATWOOD AVE

DO NOT PASS
R4-1
24"X30"

LANE CLOSED
R11-2L
48"X30"

NICHOLS
NICHOLS DR UNIT P2

METAL GATE

R3-1
24"X24"

W06-3
48"X48"

PC: 49+12.79
PT: 49+17.26
PC: 50+68.82

MATCHLINE STA. 47+00

MATCHLINE STA. 53+00

ATWOOD AVENUE

125' TAPER

PAINT | TAPE

STA. 52+65

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

R3-2
24"X24"

CITY OF MADISON PARKS OLBRICH BEACH HOUS
3527 ATWOOD AVE

ROAD CLOSED
R11-2
48"X30"

SPEED LIMIT 25
EXISTING TO REMAIN

SPEED LIMIT 25
EXISTING TO REMAIN

EXISTING TO REMAIN

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW) (LINES 2' APART)

TLE

TLE

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 2A	SHEET 223	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S2A.DWG
LAYOUT NAME - 026009-s2a

PLOT DATE : 10/12/2022 11:49 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD WORK AHEAD
W20-1A
48"X48"

LANE CLOSED
R11-2L
48"X30"

STOP
EXISTING TO REMAIN

MARGARET STREET

LANE CLOSED
R11-2L
48"X30"

EXISTING TO REMAIN

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

WO1-6
48"X24"

WO1-4L
48"X48"

WO12-1L
48"X48"

MAINTAIN EXISTING BUS STOP

ATWOOD AVENUE

25' (TYP.)
125' TAPER
25' (TYP.)

PI: 54+46.13
PI: 57+06.32
PI: 58+20.92
PC: 58+90.92

MATCHLINE STA. 53+00
MATCHLINE STA. 59+00

54+00
55+00
56+00
57+00
58+00

MARKING REMOVAL LINE 4-INCH (DOUBLE YELLOW CENTERLINE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW) (LINES 2' APART)

EXISTING TO REMAIN

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

MARKING REMOVAL LINE 4-INCH (LANE LINE DASH)

CITY SIGN

STORE SIGN

CAROL M CONNORS
3513 MARGARET ST

JUSAN A LANDSVERK
CASEY LANDSVERK
3614 ATWOOD AVE

JEREMY M WACKER
3618 ATWOOD AVE

CAPRI G PEARSON
3622 ATWOOD AVE

ROBERT T PLUM
LAUREEN K THDEMKE
3501 MARGARET ST

DEXTER HOLDINGS LLC
3710 ATWOOD AVE

RISTINA M AMELONG
3714 ATWOOD AVE

ANCHOR PROPERTY MANAGEMENT LLC
3718 ATWOOD AVE

EDITH HOLZHUETER HSE TR
3722 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 2A	SHEET 224	E

2

N

NOTE: SEE S.D.D. "TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/ EXPRESSWAY" FOR SIGN SPACING REQUIREMENTS.

ATWOOD AVENUE

OLBRICH AVENUE

MATCHLINE STA. 59+00

60+00

61+00

62+00

63+00

64+00

65+00

W10-2R 48"X48"

SPEED LIMIT 25 EXISTING TO REMAIN

STOP EXISTING TO REMAIN

EXISTING TO REMAIN

RIGHT LANE CLOSED AHEAD W20-5A 48"X48"

PC: 62+64.56

PT: 63+17.71

PC: 64+14.52

ROAD WORK AHEAD W20-1A 48"X48"

PT: 64+76.68

END ROAD WORK G20-2A 48"X24"

SPEED LIMIT 25 EXISTING TO REMAIN

EXISTING TO REMAIN

SUSANNAH R BROOKS
JAMIE A MC
3726 ATWOOD AVE

BROOKE WEILAND
ACHARY ALEXANDER
3726 ATWOOD AVE

CURRENT OWNER
3734
ATWOOD AVE

PABLO L
SHEA N I
373
ATWOOD

CURRENT OWNER
3802 ATWOOD AVE

STEVEN FALTE
MARY FALT
3806 ATWOO

D & P
STEVENS LLC
3810 ATWOOD AVE

JOHN E HARDIN
KAITLIN M HARDIN
3814 ATWOOD AVE

CURRENT
OWNER
3818
ATWOOD AVE

MONONA APT INVESTORS LLC
3827 MONONA DR

EAST SIDE BUSINESS MENS ASSN INC
3735 MONONA DR

MONONA APT IN
3815 MON

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 2A	SHEET 225	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S2A.DWG
LAYOUT NAME - 026011-s2a

PLOT DATE : 9/13/2022 9:01 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

N

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD CLOSED AHEAD
W20-3A
48"X48"

ROAD CLOSED 1000 FT
W20-3C
48"X48"

ROAD CLOSED 500 FT
W20-3D
48"X48"

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

ONLY
R3-5OL
30"X36"

ONE WAY
R6-2R
24"X30"

ONE WAY
R6-2R
24"X30"

ROAD CLOSED
R11-2
48"X30"

STOP
EXISTING TO REMAIN

R3-2
24"X24"

STOP
EXISTING TO REMAIN

R3-2
24"X24"

EXISTING TO REMAIN

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A
48"X48"

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD WORK AHEAD
W20-1A
48"X48"

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

WALTER STREET

JOHNS STREET

SARGENT STREET

MATCHLINE STA. 651+75

652+00

GRANT MOORE
JENNIFER MOORE
3501 SARGENT ST

BARBARA L
SEYMOUR
3504
SARGENT ST

401 WALTER ST

OC LLC

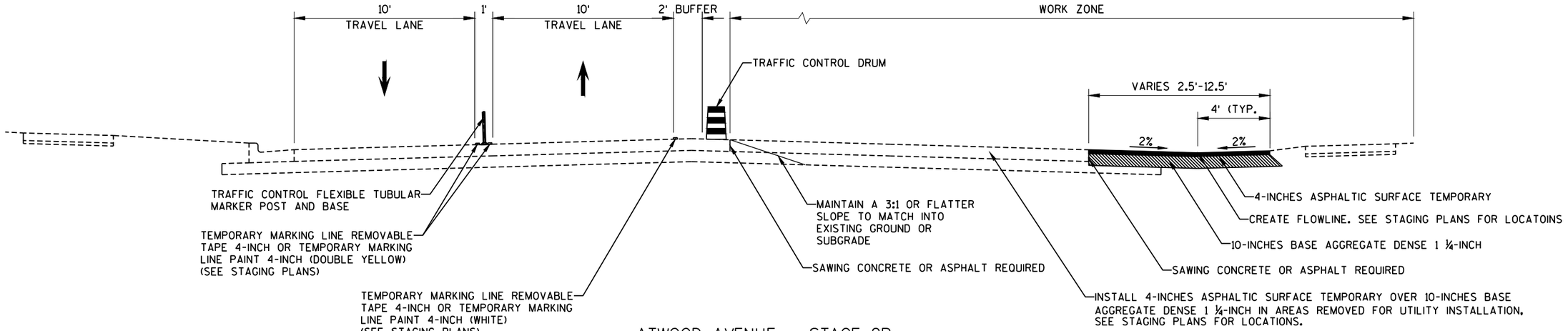
2

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 2A	SHEET 226	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S2A.DWG
LAYOUT NAME - 026015-s2a

PLOT DATE : 9/13/2022 9:02 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



ATWOOD AVENUE – STAGE 2B

OAKRIDGE AVENUE - COTTAGE GROVE ROAD
(STA. 24+00 - STA. 68+25)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 2B TYPICAL SECTION	SHEET 227	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\020301-STAGING TYPICALS.DWG
LAYOUT NAME - 020302-2b
PLOT DATE : 9/13/2022 9:24 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1:6
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

N

FAIR OAKS AVENUE

3002 ATWOOD INVESTMENTS LLC
233 S FAIR OAKS AVE

3002 ATWOOD INVESTMENTS LLC
3010 ATWOOD AVE

MAYNARD SCHMUDLACH (LE)
MICHAEL SCHMUDLACH
3014 ATWOOD AVE

ROBERT H GRETHER
PAMELA K GRETHER
3026 ATWOOD AVE

KELLY SORENSO
NATHAN LIEGEL
3030 ATWOOD AV

LAVERNE A
BIRRENKOTT
VALERIE L
BIRRENKOTT
6 ATWOOD AVE

PT: 11+96.89

PC: 16+62.6

MATCHLINE STA. 17+00

ATWOOD AVENUE

11+00 12+00 13+00 14+00 15+00 16+00 17

WOOD RAILING
STEPS (2)
GRASS
ASPH.
WOOD FENCE
STONE RETAINING WALL
STEPS (5)
STONE RETAINING WALL
WOOD FENCE
STEPS (5)
STEPS (5) WITH METAL RAILING
STEPS (3)
GRASS
CONC.
2" PL (20 PSI)
4" PL (20 PSI)
LANDSCAPING
STEPS (10)
METAL FENCE
SCHOOL SIGN
GRASS
TIMBER WALL
STERS (4)
CONCRE
CURB/W

ROAD WORK AHEAD
W20-1A
48"X48"

NOTE: SEE S.D.D. "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR SIGN SPACING REQUIREMENTS.

SPEED LIMIT 25
EXISTING TO REMAIN

STOP
EXISTING TO REMAIN

HILARY ANN STEIN
2929 ATWOOD AVE

METRO SCHOOL DISTRICT
401 MAPLE AVE

MAPLE AVENUE

LUDINGTON AVENUE

DAVID J BLOOM
RAINA M BLOOM
401 LUDINGTON AVE

MICHAEL JOHN SHORT
3105 ATWOOD AVE

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 2B	SHEET 228	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S2B.DWG
LAYOUT NAME - 026003-s2b

PLOT DATE : 9/13/2022 9:24 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

N

GARRISON STREET

ATWOOD AVENUE

MATCHLINE STA. 17+00

MATCHLINE STA. 23+00

17+00

18+00

19+00

20+00

21+00

22+00

23+00

PRC: 17+97.05

PRC: 19+30.30

PT: 19+78.04

STOP
EXISTING TO REMAIN

END ROAD WORK
G20-2A
48"X24"

ROAD WORK 500 FT
W20-1D
48"X48"

ROAD WORK 250 FT
W20-1H
48"X48"

W01-4L
48"X48"

STOP
EXISTING TO REMAIN

STOP
EXISTING TO REMAIN

NOTE: SEE S.D.D. "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC" FOR SIGN SPACING REQUIREMENTS.

L LEBLANC
S LEBLANC
TWOOD AVE

DAVID JOHN WARNER
DAWN M WARNER
3118 ATWOOD AVE

PRESTON BARROWS
3122
ATWOOD AVE

CURRENT OWNER
3126
ATWO

LINDA L M DYKSTRA
3202
ATWOOD AVE

CURRENT OWNER
3206
ATWOOD AVE

JOHN GOEDDERZ
KATHLEEN BAILEY
3210
ATWOOD AVE

KAREN BURZINSKI
3214
ATWOOD AVE

MIKE P KINGSLIEN
STACY R STONE
3218 ATWOOD AVE

NE
AINING WALL

MODULAR BLOCK RETAINING WALL

TEPS (3)

STEPS (3)

STEP (1)

STEP (1)

GRASS

STONE RETAINING WALL
POOR SHAP

NDSCAPING

STEPS (4)

STEPS (3)

FRANCISCO XAVIER SUAREZ
WELCH AVE

LAUREN A SLATTERY
3209 ATWOOD AVE

CHAIN LINK FENCE

SUSAN K SHAW
3213
ATWOOD AVE

STEPS

STONE RETAINING WALL

STEPS (4)

322

MICHAEL A QUIRK
3109 ATWOOD AV

MICHAEL THEISEN
DAWN THEISEN
3123 ATWOOD AVE

BETH A CARLSON
3122 CENTER AVE

WELCH AVENUE

SULLIVAN KIDDER
409 WELCH AVE

JAY SWENSON
413 WELCH AVE

JELIC FAMILY TRUST
3212 CENTER AVE

CENTER AVENUE

GREGORY T MILLER
LARA M O MILLER
3221 CENTER AVE

3217 LLC
3217 CENTER AVE

P T & L A ANDERSON TR
3213 CENTER AVE

MARY J CONROY
3209 CENTER AVE

CURRENT OWNER
3230
OAKRIDGE AVE

JEAN M RAWSON REV TRUST
3226
OAKRIDGE AVE

RICHARD L POLLAK
3222
OAKRIDGE AVE

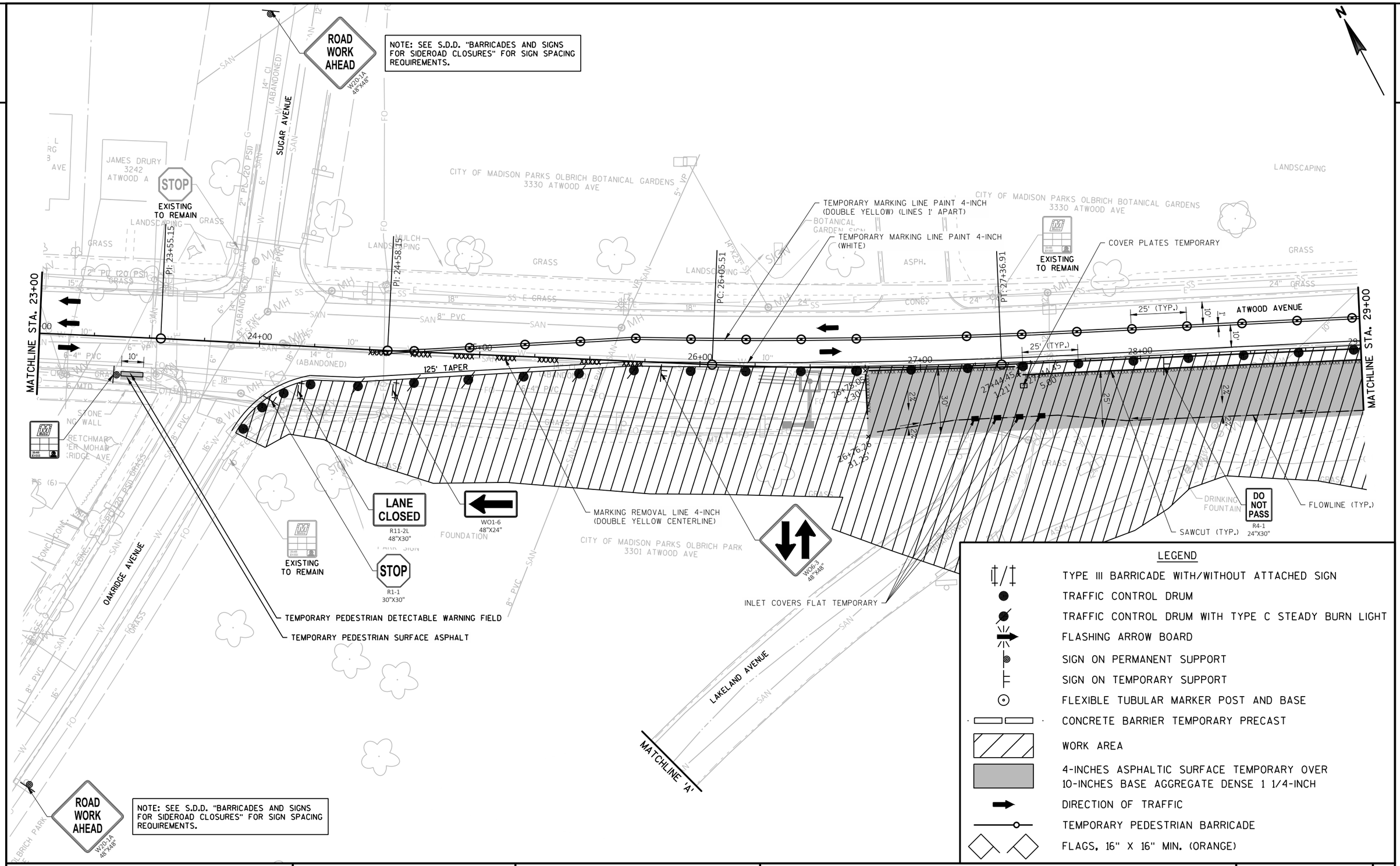
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 2B	SHEET 229	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S2B.DWG
LAYOUT NAME - 026004-s2b

PLOT DATE : 9/13/2022 9:24 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 2B	SHEET 230	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S2B.DWG
LAYOUT NAME - 026005-s2b
PLOT DATE : 9/13/2022 9:24 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

CITY OF MADISON PARKS OLBRICH BOTANICAL GARDENS
3330 ATWOOD AVE

SPEED LIMIT 25
EXISTING TO REMAIN

SHRUBS
MULCH
IRON FENCE
COVER PLATES TEMPORARY
TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINES 1' APART)
TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

PI: 29+70.29
PI: 31+27.82
PI: 33+54.16

MATCHLINE STA. 29+00
MATCHLINE STA. 35+00

ATWOOD AVENUE

25' (TYP.)

30+00 31+00 32+00 33+00 34+00

29+70.29 5.00' 25'
29+70.29 30.00'
30+75.00 20.27'
30+78.00 4.95'
30+84.81 30.00'
31+06.02 29.14'
31+47.73 26.32'
31+78.85 23.79'
33+03.99 24.87'
34+47.93 30.87'
34+71.96 31.72'
34+95.99 32.00'

FLOWLINE (TYP.)

CITY OF MADISON PARKS OLBRICH PARK
3301 ATWOOD AVE

LANE CLOSED
R11-2L
48"X30"

SAWCUT (TYP.)

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

SPEED LIMIT 25
R2-1
24"X30"

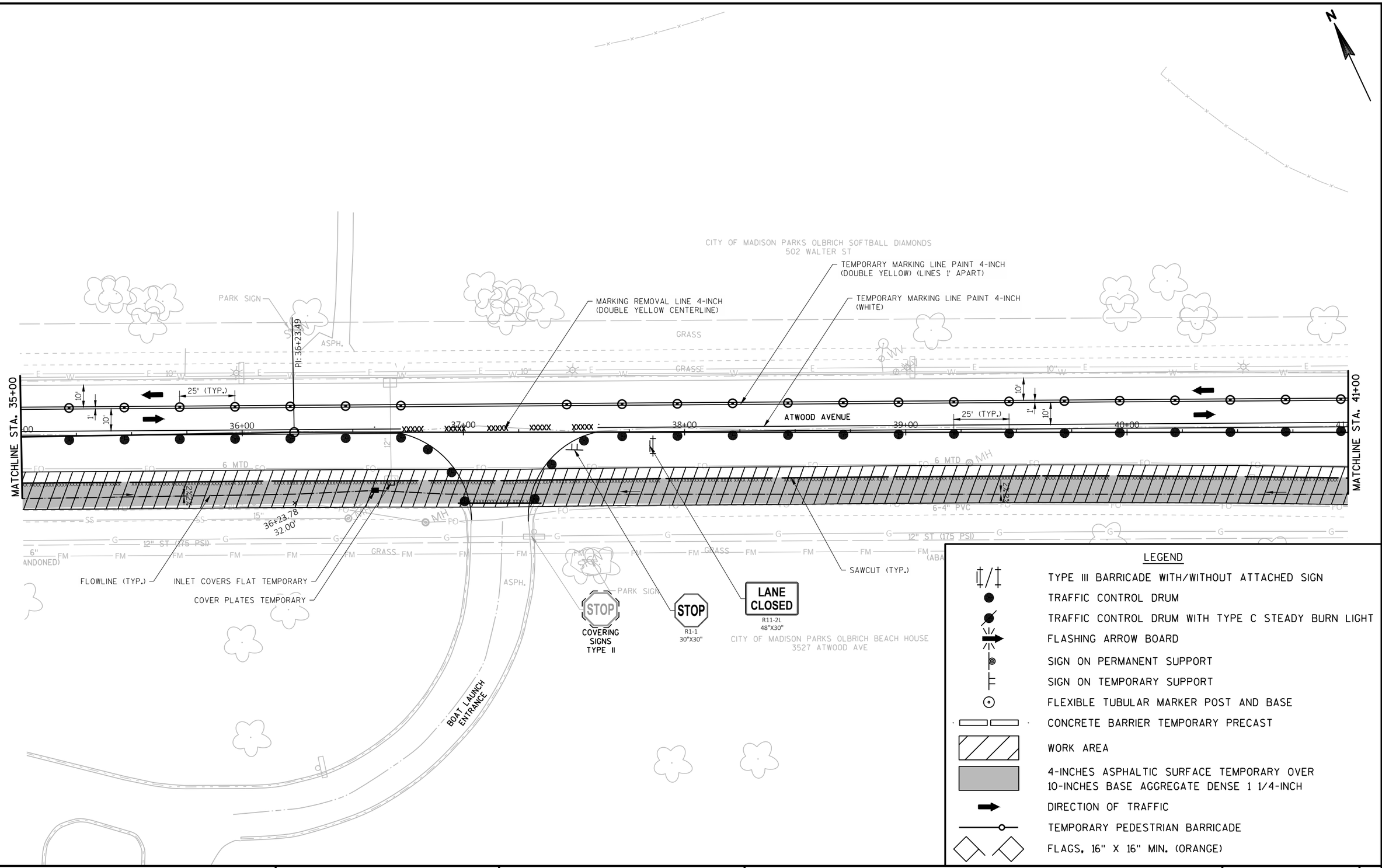
12" ST (175 PSI)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 2B	SHEET 231	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S2B.DWG
LAYOUT NAME - 026006-s2b

PLOT DATE : 9/13/2022 9:24 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 2B	SHEET 232	E

2

N

MATCHLINE STA. 41+00

MATCHLINE STA. 651+75

MATCHLINE STA. 47+00

ATWOOD AVENUE

WALTER STREET

TEMPORARY PEDESTRIAN SURFACE ASPHALT

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

CHAIN LINK FENCE

DO NOT PASS
R4-1
24"X30"

SPEED LIMIT 25
EXISTING TO REMAIN

SIGN

CITY OF MADISON PARKS OLBRICH
502 WALTER ST

OLBRICH BY THE LAKE ASS
3528 ATWOOD AVE

ROAD CLOSED
R11-2
48"X30"

W06-3
48"X48"

PC:44+29.97

25' (TYP.)

10'

1'

FLOWLINE (TYP.)

SAWCUT (TYP.)

12" ST (175 PSI)
(ABANDONED)

6" MTD

6-4" PVC

44+75.00
8.00'

44+75.00
38.95'

COVER PLATES TEMPORARY (TYP.)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

R3-2
24"X24"

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

PARK GATE POST

DRINKING FOUNTAIN

ASPH.

STOP
R1-1
30"X30"

R3-2
24"X24"

W06-3
48"X48"

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 2B	SHEET 233	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S2B.DWG
LAYOUT NAME - 026008-s2b

PLOT DATE : 9/13/2022 9:24 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD CLOSED AHEAD
W20-3A
48"X48"

ROAD CLOSED
R11-2
48"X30"

SPEED LIMIT 25
R2-1
24"X30"

R3-1
24"X24"

R3-2
24"X24"

DO NOT PASS
R4-1
24"X30"

LANE CLOSED
R11-2L
48"X30"

DENNETT DRIVE

ATWOOD AVENUE

MICHAEL CHARLES MELVIN
JACLYN MARIE MELVIN
3514 DENNETT DR

RUTH E NICHOLS
JAMES C NICHOLS

LLOYD J BLANEY
3602 ATWOOD AVE

A J PROBST
3606 ATWOOD AVE
(VACANT LOT)

VIRGINIA PROBST
3610 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

METAL GATE

MATCHLINE STA. 47+00

MATCHLINE STA. 53+00

FLOWLINE (TYP.)

SAWCUT (TYP.)

INLET COVERS FLAT TEMPORARY

COVER PLATES TEMPORARY (TYP.)

25' (TYP.)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 2B	SHEET 234	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S2B.DWG
LAYOUT NAME - 026009-s2b

PLOT DATE : 10/12/2022 1:29 PM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD WORK AHEAD
W20-1A
48"X48"

FLAGGING OPERATIONS SHALL BE USED WHEN WORKING DIRECTLY ADJACENT TO THE TRAVEL LANE AND A 10' TRAVEL LANE WIDTH CANNOT BE MAINTAINED. REFER TO WISDOT S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" FOR REQUIREMENTS. MODIFY TRAFFIC CONTROL DEVICE LAYOUT AS NECESSARY.

EXISTING CROSSWALK PAVEMENT MARKINGS TO REMAIN

W10-3
48"X48"

STOP
EXISTING TO REMAIN

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

DO NOT PASS
R4-1
24"X30"

EXISTING TO REMAIN

CAROL M CONNORS
3513 MARGARET ST

JUSAN A LANDSVERK
CASEY LANDSVERK
3614 ATWOOD AVE

JEREMY M WACKER
3618 ATWOOD AVE

3622 ATWOOD AVE

3626 ATWOOD

ELLIOTT G SMITH
MELISSA R SMITH
3630 ATWOOD AVE

MARGARET STREET

ROBERT T PLUM
LAUREEN K THDEMKE
3501 MARGARET ST

DEXTER HOLDINGS LLC
3710 ATWOOD AVE

KRISTINA M AMELONG
3714 ATWOOD AVE

ANCHOR PROPERTY MANAGEMENT LLC
3718 ATWOOD AVE

HOLZHUETER

ATWOOD AVE

ATWOOD AVENUE

MATCHLINE STA. 53+00

MATCHLINE STA. 59+00

PI: 54+46.13

PI: 57+06.32

PI: 58+20.92

PC: 58+90.92

COVER PLATES TEMPORARY (TYP.)

LANE CLOSED
R11-2L
48"X30"

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

W06-3
48"X48"

SPEED LIMIT 25
R2-1
24"X30"

SAWCUT (TYP.)

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

CITY SIGN

STORE SIGN

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 2B	SHEET 235	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S2B.DWG
LAYOUT NAME - 026010-s2b

PLOT DATE : 9/13/2022 9:25 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD WORK AHEAD
W20-1A
48"X48"

FLAGGING OPERATIONS SHALL BE USED WHEN WORKING DIRECTLY ADJACENT TO THE TRAVEL LANE AND A 10' TRAVEL LANE WIDTH CANNOT BE MAINTAINED. REFER TO WISDOT S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" FOR REQUIREMENTS. MODIFY TRAFFIC CONTROL DEVICE LAYOUT AS NECESSARY.

W06-3
48"X48"

STOP
EXISTING TO REMAIN

SPEED LIMIT 25
EXISTING TO REMAIN

EXISTING TO REMAIN

DO NOT PASS
R4-1
24"X30"

LANE CLOSED
R11-2L
48"X30"

SPEED LIMIT 25
R2-1
24"X30"

W06-3
48"X48"

SAWCUT (TYP.)

OLBRICH AVENUE

ATWOOD AVENUE

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

STA. 65+00 PAINT | TAPE

MATCHLINE STA. 59+00

MATCHLINE STA. 65+00

CURRENT OWNER 3802 ATWOOD AVE

STEVEN FALTER
MARY FALTER
3806 ATWOOD AVE

D & P STEVENS LLC
3810 ATWOOD AVE

JOHN E HARDIN
KAITLIN M HARDIN
3814 ATWOOD AVE

CURRENT OWNER
3818

RAISED FENCE ON CONCRETE BLOCKS

SUSANNAH R BROOKS
JAMIE A MCLEES
3730 ATWOOD AVE

BROOKE WEILAND
ACHARY ALEXANDER
3726 ATWOOD AVE

CURRENT OW...
3734 ATWOOD

PABLO L...
SHEA N...
373...
ATWOOD

MONONA APT INVESTORS LLC
3827 MONONA DR

EAST SIDE BUSINESS MENS ASSN INC
3735 MONONA DR

MONONA APT IN...
3815 MON...

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 2B	SHEET 236	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S2B.DWG
LAYOUT NAME - 026011-s2b

PLOT DATE : 9/13/2022 9:25 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

FLAGGING OPERATIONS SHALL BE USED WHEN WORKING DIRECTLY ADJACENT TO THE TRAVEL LANE AND A 10' TRAVEL LANE WIDTH CANNOT BE MAINTAINED. REFER TO WISDOT S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" FOR REQUIREMENTS. MODIFY TRAFFIC CONTROL DEVICE LAYOUT AS NECESSARY.

3826 JMI LLC
3826 ATWOOD AVE

ZINGBORN VENTURES LLC
3830 ATWOOD AVE

CHARLES
STEVEN COENS
3838/3840
ATWOOD AVE

COTTAGE GROVE INV LLC ETAL %W
108 COTTAGE GROV

NA APT INVESTORS LLC
3825 MONONA DR

STA. 65+00
PAINT | TAPE

MATCHLINE STA. 65+00

MATCHLINE STA. 70+00

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

DO NOT PASS
R4-1
24"X30"

WO6-3
48"X48"

WO1-6
48"X24"

EXISTING TO REMAIN

SPEED LIMIT 25
EXISTING TO REMAIN

LANE CLOSED
R11-2L
48"X30"

WO1-3R
48"X48"

15 MPH
WO13-1
36"X36"

COUNTY BB
M1-5A
24"X24"

M6-1
21"X21"

TRUCK ROUTE
R14-1
24"X18"

M6-6L
21"X21"

LANE CLOSED
R11-2L
48"X30"

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH (COVER EXISTING 4" DOUBLE YELLOW CENTERLINE PAVEMENT MARKING)

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH (COVER EXISTING 8" WHITE CHANNELIZATION LANE PAVEMENT MARKING)

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE, 3' LINE, 9' GAP)

NOTE: MOVE SHIFTING TAPER BACK AS FAR AWAY FROM COTTAGE GROVE ROAD INTERSECTION AS POSSIBLE WITH STAGING OPERATIONS TO MAXIMIZE LANE LENGTHS. INSTALL TEMPORARY PAVEMENT AS NECESSARY TO ADJUST SHIFTING TAPER.

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 2B	SHEET 237	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S2B.DWG
LAYOUT NAME - 026012-s2b
PLOT DATE : 9/13/2022 9:25 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD WORK AHEAD
W20-1A
48"X48"

BUSINESS SIGN

COTTAGE GROVE ROAD

WO12-1R
48"X48"

PI: 70+27.33

MATCHLINE STA. 70+00

71+00

PI: 71+41.38

LANE CLOSED
R11-2L
48"X30"

EP: 72+10.88

25' (TYP.)

72+00

MARKING REMOVAL LINE 4-INCH (LANE LINE DASH)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

MONONA DRIVE

180' TAPER

END ROAD WORK
G20-2A
48"X24"

FERCHLAND PLACE

DAVID J KLAUSER
112 FERCHLAND PL

ROAD WORK AHEAD
W20-1A
48"X48"

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

NOTE: SEE S.D.D. "TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/ EXPRESSWAY" FOR SIGN SPACING REQUIREMENTS.

WO4-2L
48"X48"

LEFT LANE CLOSED AHEAD
W20-3A
48"X48"

ROAD WORK AHEAD
W20-1A
48"X48"

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 2B	SHEET 238	E

2

2

N

WELCH AVENUE

LAKELAND AVENUE

CRAIG H WERNER
614 WELCH AVE

HINTERTHUER
LCH AVE

CITY OF MADISON
WATER UTILITY
WELL # 8
615 WELCH AVE

CITY OF MADISON PARKS OLBRICH PARK
3301 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH PARK
3301 ATWOOD AVE

ROAD
CLOSED
R11-2
48"X30"

MATCHLINE 'A'

BLEACHERS

GUY

MH

AG MH

WV MH

8" PVC

8" PVC ASPH.

16" CI
(ABANDONED)

6" CI

6" VP

12" ST (175 PSI)

1.25" HDPE

ASPH.

12" SS

SAN

W

G

E

F

FO

OH

SCULP

SIGN

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 2B	SHEET 239	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S2B.DWG
LAYOUT NAME - 026014-s2b

PLOT DATE : 9/13/2022 9:25 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

N

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD CLOSED AHEAD
W20-3A
48"X48"

ROAD CLOSED 1000 FT
W20-3C
48"X48"

ROAD CLOSED 500 FT
W20-3D
48"X48"

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

ONLY
R3-5OL
30"X36"

ONE WAY
R6-2R
24"X30"

ONE WAY
R6-2R
24"X30"

ROAD CLOSED
R11-2
48"X30"

STOP
EXISTING TO REMAIN
R3-2
24"X24"

STOP
EXISTING TO REMAIN
R3-2
24"X24"

EXISTING TO REMAIN

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A
48"X48"

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD WORK AHEAD
W20-1A
48"X48"

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

WALTER STREET

JOHNS STREET

SARGENT STREET

MATCHLINE STA. 651+75

652+00

GRANT MOORE
JENNIFER MOORE
3501 SARGENT ST

BARBARA L
SEYMOUR
3504
SARGENT ST

401 WALTER ST

OC LLC

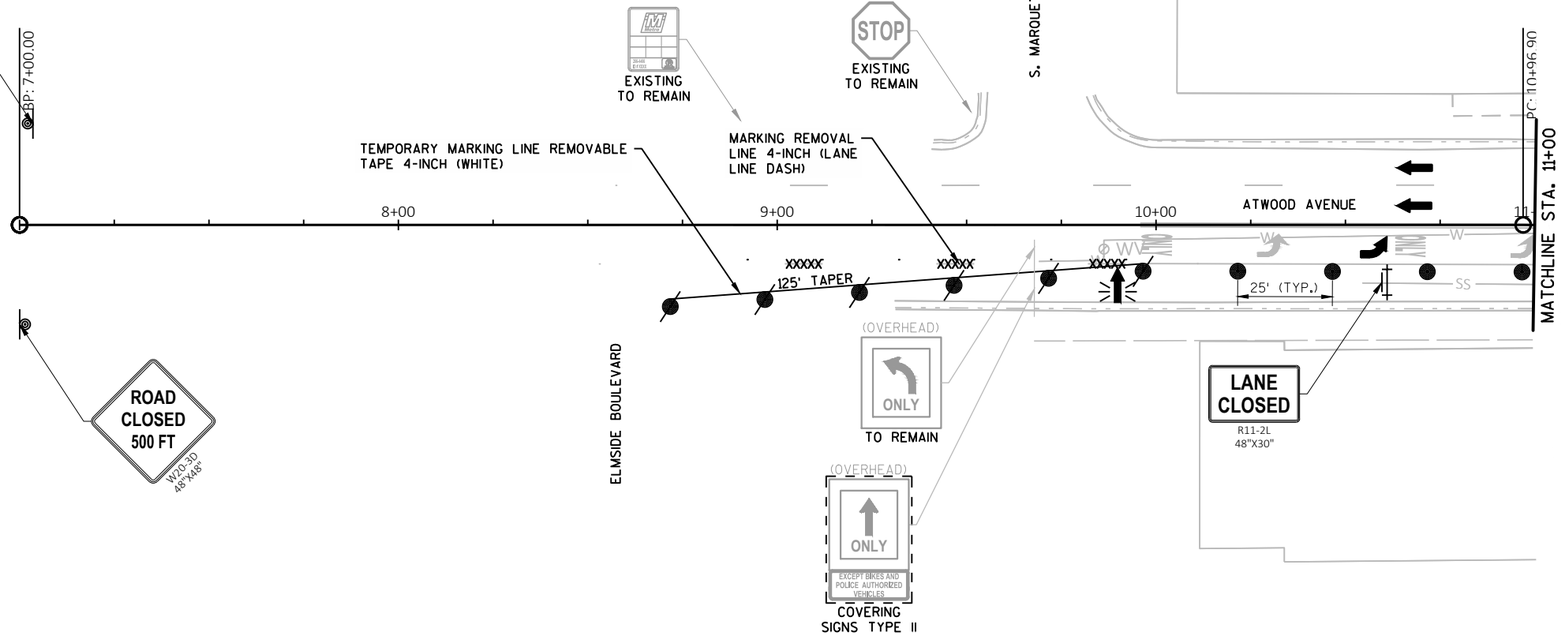
ERT CAREY
WALTER ST

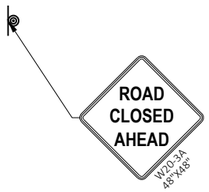
CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
WALTER ST

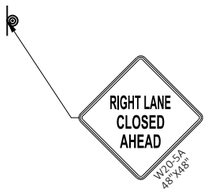
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 2B	SHEET 240	E

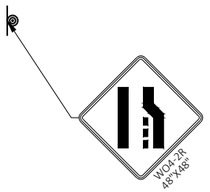
LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)









NOTE: SEE S.D.D. "TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED, NON-FREEWAY/EXPRESSWAY" FOR SIGN SPACING REQUIREMENTS.

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR SIGN SPACING REQUIREMENTS.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3A	SHEET 241	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S3A.DWG
LAYOUT NAME - 026002-s3a

PLOT DATE : 9/13/2022 9:52 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD WORK AHEAD
W20-1A
48"X48"

WO12-1R
48"X48"

LANE CLOSED
R11-2L
48"X30"

R3-2
24"X24"

GAP DRUMS TO MAINTAIN DRIVEWAY ACCESS

(OVERHEAD)
ONLY
EXCEPT BIKES AND POLICE AUTHORIZED VEHICLES
COVERING SIGNS TYPE II

(OVERHEAD)
ONLY
TO REMAIN

GAP DRUMS TO MAINTAIN DRIVEWAY ACCESS

ROAD CLOSED
R11-2
48"X30"

25' (TYP.)

FAIR OAKS AVENUE

3002 ATWOOD INVESTMENTS LLC
233 S FAIR OAKS AVE

3002 ATWOOD INVESTMENTS LLC
3010 ATWOOD AVE

MAYNARD SCHMUDLACH (LE)
MICHAEL SCHMUDLACH
3014 ATWOOD AVE

ROBERT H GRETHER
PAMELA K GRETHER
3026 ATWOOD AVE

KELLY SORENSO
NATHAN LIEGEL
3030 ATWOOD AV

LAVERNE A
BIRRENKOTT
VALERIE L
BIRRENKOTT
6 ATWOOD AVE

WOOD RAILING
STEPS (2)
GRASS
WOOD FENCE
STONE RETAINING WALL
STEPS (5)
WOOD FENCE
STONE RETAINING WALL
STEPS (5)
STEPS (5) WITH METAL RAILING
STEPS (3.5)

MATCHLINE STA. 11+00

11+00
12+00
13+00
14+00
15+00
16+00
17+00

25' (TYP.)

(BUSES ONLY)
11'
ATWOOD AVENUE
(BUSES ONLY)

MATCHLINE STA. 17+00

GRASS
METAL FENCE
STEPS (10)
LANDSCAPING
GRASS
TIMBER WALL
STERS (4)
CONCRETE CURB/WALL

WO1-6
48"X24"

(BUSES ONLY)

DO NOT ENTER
R5-1
30"X30"
EXCEPT BUSES
TRAFFIC CONTROL SIGNS FIXED MESSAGE
30"X9" (1.88 SF)

R3-1
24"X24"

MAPLE AVENUE

HILARY ANN STEIN
2929 ATWOOD AVE

MADISON METRO SCHOOL DISTRICT
401 MAPLE AVE

DAVID J BLOOM
RAINA M BLOOM
401 LUDINGTON AVE

MICHAEL JOHN SHORT
3105 ATWOOD AVE

LUDINGTON AVENUE

ROAD CLOSED
R11-2
48"X30"

DO NOT ENTER
R5-1
30"X30"

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD CLOSED AHEAD
W20-3A
48"X48"

ROAD WORK AHEAD
W20-1A
48"X48"

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

N

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3A	SHEET 242	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S3A.DWG
LAYOUT NAME - 026003-s3a

PLOT DATE : 9/13/2022 9:53 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD CLOSED AHEAD
W20-3A
48"X48"

ROAD CLOSED
R11-2
48"X30"

GARRISON STREET

ATWOOD AVENUE

WELCH AVENUE

CENTER AVENUE

MATCHLINE STA. 17+00

MATCHLINE STA. 23+00

PRC 17+97.05

PRC 19+30.30

PT 19+78.04

15+00 | 19+00 | 20+00 | 21+00 | 22+00 | 23+00

L LEBLANC
S LEBLANC
TWOOD AVE

DAVID JOHN WARNER
DAWN M WARNER
3118 ATWOOD AVE

PRESTON BARROWS
3122
ATWOOD AVE

CURRENT OWNER
3126
ATWOOD AVE

LINDA L M DYKSTRA
3202
ATWOOD AVE

CURRENT OWNER
3206
ATWOOD AVE

JOHN GOEDDERZ
KATHLEEN BAILEY
3210
ATWOOD AVE

KAREN BURZINSKI
3214
ATWOOD AVE

MIKE P KINGSLIEN
STACY R STONE
3218 ATWOOD AVE

NE
AINING WALL
TEPS (3)

MODULAR BLOCK RETAINING WALL

STEPS (3)
STEP (1)
STEP (1)

GRASS

STONE RETAINING WALL
POOR SHAPE

STEPS (4)
STEPS (3)

LANDSCAPING

FRANCISCO XAVIER SUAREZ
405 WELCH AVE

STEP (1)

LAUREN A SLATTERY
3209 ATWOOD AVE

CHAIN LINK FENCE

SUSAN K SHAW
3213
ATWOOD AVE

STEPS

STONE RETAINING WALL

STEPS (4)

WOOD FENCE

TAVISH PEGRAM
3225/3227 ATWOOD AVE

MICHAEL A QUIRKE
3109 ATWOOD AVE

BOLLERUD LIVING TRUST
3113 ATWOOD AVE

JESSE M VANDERPOL
3121 ATWOOD AVE

MICHAEL THEISEN
DAWN THEISEN
3123 ATWOOD AVE

SULLIVAN KIDDER
409 WELCH AVE

JELIC FAMILY TRUST
3212 CENTER AVE

BETH A CAY
3122

JAY SWENSON
413 WELCH AVE

3217 LLC
3217 CENTER AVE

P T & L A ANDERSON TR
3213 CENTER AVE

MARY J CONROY
3209 CENTER AVE

CURRENT OWNER
3230
OAKRIDGE AVE

JEAN M RAWSON REV TRUST
3226
OAKRIDGE AVE

RICHARD L POLLAK
3222
OAKRIDGE AVE

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD CLOSED AHEAD
W20-3A
48"X48"

ROAD CLOSED AHEAD
W20-3A
48"X48"

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED
R11-2
48"X30"

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3A	SHEET 243	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S3A.DWG
LAYOUT NAME - 026004-s3a

PLOT DATE : 9/13/2022 9:53 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

ROAD CLOSED AHEAD
W20-3A
48"X48"

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

FLAGGING OPERATIONS SHALL BE USED WHEN WORKING DIRECTLY ADJACENT TO THE TRAVEL LANE AND A 10' TRAVEL LANE WIDTH CANNOT BE MAINTAINED. REFER TO WISDOT S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" FOR REQUIREMENTS. MODIFY TRAFFIC CONTROL DEVICE LAYOUT AS NECESSARY.

ROAD CLOSED
R11-2
48"X30"

SUGAR AVENUE

JAMES DRURY
3242
ATWOOD AVE

CITY OF MADISON PARKS OLBRICH BOTANICAL GARDENS
3330 ATWOOD AVE

BOTANICAL GARDEN SIGN

MATCHLINE STA. 23+00

PI: 23+15.15

PI: 24+58.75

PC: 26+05.51

PI: 27+35.91

MATCHLINE STA. 29+00

ATWOOD AVENUE

RETAINING WALL

JERRY KRETCHMER
CHRISTOPHER MOHR
234 OAKRIDGE AVE

OAKRIDGE AVENUE

SCULPTURE FOUNDATION
PARK SIGN

WO1-6
48"X24"

CITY OF MADISON PARKS OLBRICH PARK
3301 ATWOOD AVE

LAKELAND AVENUE

MATCHLINE 'A'

CITY OF MADISON PARKS OLBRICH
3330 ATWOOD AVE

ROAD CLOSED
R11-2
48"X30"

WO6-3
48"X48"

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE
PAINT 4-INCH
(DOUBLE YELLOW)
(LINES 1' APART)

SAWCUT (TYP.)

25' (TYP.)

10'

1'

SPEED LIMIT
25
R2-1
24"X30"

ROAD CLOSED AHEAD
W20-3A
48"X48"

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3A	SHEET 244	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S3A.DWG
LAYOUT NAME - 026005-s3a
PLOT DATE : 9/13/2022 9:53 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

FLAGGING OPERATIONS SHALL BE USED WHEN WORKING DIRECTLY ADJACENT TO THE TRAVEL LANE AND A 10' TRAVEL LANE WIDTH CANNOT BE MAINTAINED. REFER TO WISDOT S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" FOR REQUIREMENTS. MODIFY TRAFFIC CONTROL DEVICE LAYOUT AS NECESSARY.

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

CITY OF MADISON PARKS OLBRICH BOTANICAL GARDENS
3330 ATWOOD AVE

LANE CLOSED
R11-2L
48"X30"

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

WO1-6
48"X24"

SAWCUT (TYP.)

SHRUBS

MULCH

IRON FENCE

PI: 29+70.29

PI: 31+27.82

PI: 33+64.18

MATCHLINE STA. 29+00

MATCHLINE STA. 35+00

ATWOOD AVENUE

PAINT | TAPE

STA. 31+75

TAPE | PAINT

STA. 33+00

125' TAPER

25' (TYP.)

10'

1'

DO NOT PASS
R4-1
24"X30"

CITY OF MADISON PARKS OLBRICH PARK
3301 ATWOOD AVE

WO24-1L
48"X48"

WO1-6
48"X24"

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

CRASH CUSHIONS TEMPORARY

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

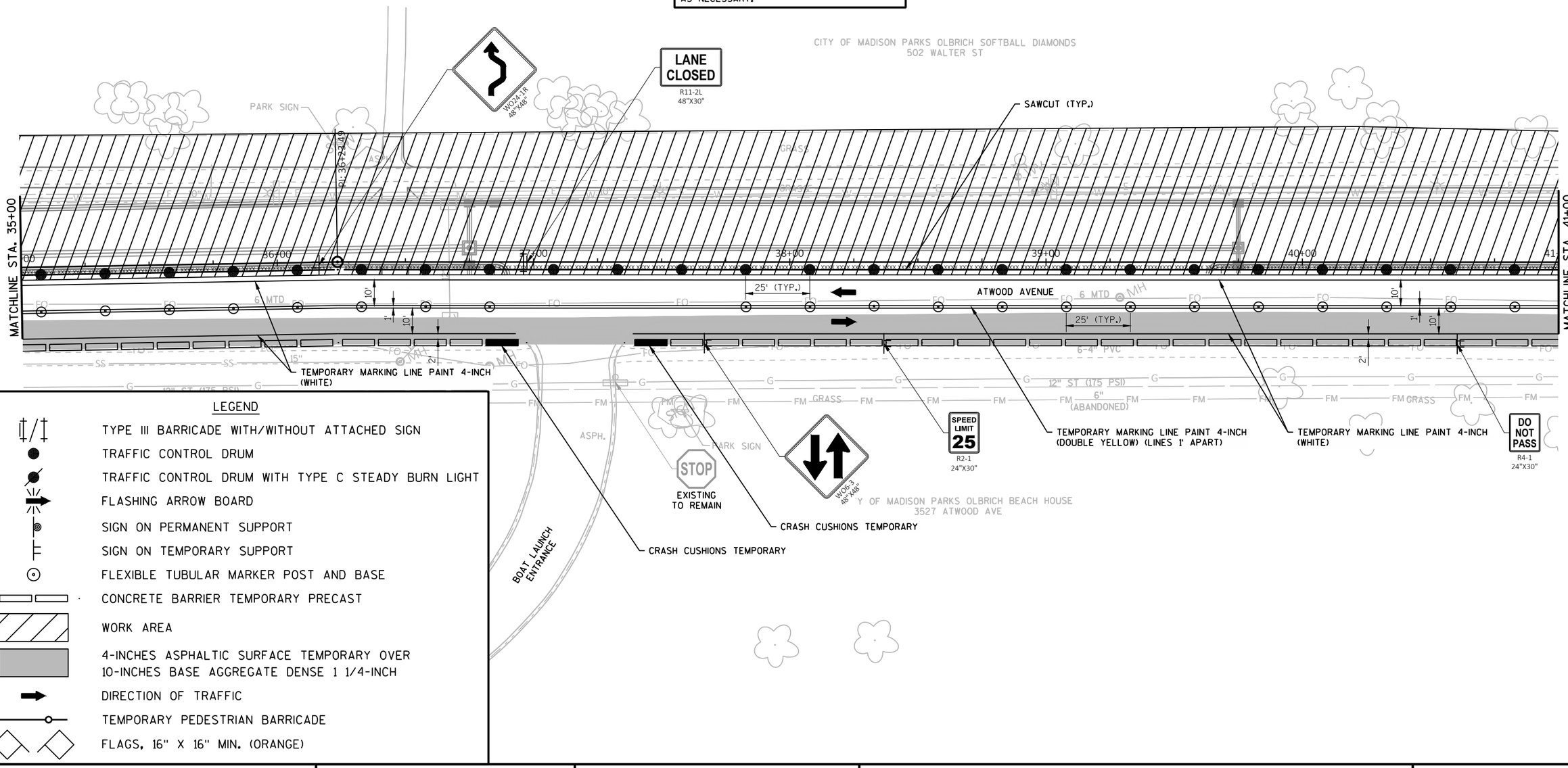
TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

12" ST (175 PSI)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3A	SHEET 245	E

2

FLAGGING OPERATIONS SHALL BE USED WHEN WORKING DIRECTLY ADJACENT TO THE TRAVEL LANE AND A 10' TRAVEL LANE WIDTH CANNOT BE MAINTAINED. REFER TO WISDOT S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" FOR REQUIREMENTS. MODIFY TRAFFIC CONTROL DEVICE LAYOUT AS NECESSARY.



LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3A	SHEET 246	E

2

FLAGGING OPERATIONS SHALL BE USED WHEN WORKING DIRECTLY ADJACENT TO THE TRAVEL LANE AND A 10' TRAVEL LANE WIDTH CANNOT BE MAINTAINED. REFER TO WISDOT S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" FOR REQUIREMENTS. MODIFY TRAFFIC CONTROL DEVICE LAYOUT AS NECESSARY.

DO NOT PASS
R4-1
24"X30"

LANE CLOSED
R11-2L
48"X30"

W06-3
48"X48"

SPEED LIMIT 25
R2-1
24"X30"

ACCESS TO LOCAL BUSINESSES
R10-71
66"X36"

SPEED LIMIT 25
EXISTING TO REMAIN

EXISTING TO REMAIN

MATCHLINE STA. 651+75

MATCHLINE STA. 41+00

MATCHLINE STA. 47+00

ATWOOD AVENUE

WALTER STREET

25' (TYP.)

25' (TYP.)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING STOP LINE PAINT 18-INCH

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

SAWCUT (TYP.)

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

TEMPORARY MARKING STOP LINE PAINT 18-INCH

TEMPORARY PEDESTRIAN SURFACE ASPHALT

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

PC: 44+29.97

PT: 650+00.00

CHAIN LINK FENCE

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

PARK GATE

DRINKING FOUNTAIN

PARK GATE POST

ASPH.

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3A	SHEET 247	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S3A.DWG
LAYOUT NAME - 026008-s3a
PLOT DATE : 9/26/2022 3:43 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

FLAGGING OPERATIONS SHALL BE USED WHEN WORKING DIRECTLY ADJACENT TO THE TRAVEL LANE AND A 10' TRAVEL LANE WIDTH CANNOT BE MAINTAINED. REFER TO WISDOT S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" FOR REQUIREMENTS. MODIFY TRAFFIC CONTROL DEVICE LAYOUT AS NECESSARY.

MICHAEL CHARLES MELVIN
JACLYN MARIE MELVIN
3514 DENNETT DR

RUTH E NICHOLS
JAMES C NICHOLS
3502 DENNETT DR UNIT P2

LLOYD J BLANEY
3602 ATWOOD AVE

A J PROBST
3606 ATWOOD AVE
(VACANT LOT)

VIRGINIA PROBST
3610 ATWOOD AVE

GRASS OF MADISON PARKS OLBRICH BI
3527 ATWOOD AVE

DENNETT DRIVE

ATWOOD AVENUE

MATCHLINE STA. 47+00

MATCHLINE STA. 53+00

ROAD CLOSED AHEAD
W20-3A
48"X48"

ROAD CLOSED
R11-2
48"X30"

LANE CLOSED
R11-2L
48"X30"

SPEED LIMIT 25
R2-1
24"X30"

R3-1
24"X24"

DO NOT PASS
R4-1
24"X30"

R3-2
24"X24"

W16-3
48"X48"

CRASH CUSHIONS TEMPORARY

SAWCUT (TYP.)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINE 1' APART)

25' (TYP.)

PT: 48+17.26
PC: 49+12.79
PT: 50+68.82

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3A	SHEET 248	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S3A.DWG
LAYOUT NAME - 026009-s3a

PLOT DATE : 10/13/2022 2:37 PM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD CLOSED AHEAD
W20-3A
48"X48"

ROAD CLOSED
R11-2
48"X30"

FLAGGING OPERATIONS SHALL BE USED WHEN WORKING DIRECTLY ADJACENT TO THE TRAVEL LANE AND A 10' TRAVEL LANE WIDTH CANNOT BE MAINTAINED. REFER TO WISDOT S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" FOR REQUIREMENTS. MODIFY TRAFFIC CONTROL DEVICE LAYOUT AS NECESSARY.

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

KAELIN M GRANT
3521 MARGARET ST

CYDNEY L FOOTET
3517 MARGARET ST

CAROL M CONNORS
3513 MARGARET ST

MARGARET STREET

JSAN A LANDSVERK
CASEY LANDSVERK
3614 ATWOOD AVE

JEREMY M WACKER
3618 ATWOOD AVE

CAPRI G PEARSON
3622 ATWOOD AVE

DEBRA A WELLS
3626 ATWOOD AVE

ELLIOTT G SMITH
MELISSA R SMITH
3630 ATWOOD AVE

ROBERT T PLUM
LAUREEN K THDEMKE
3501 MARGARET ST

DEXTER HOLDINGS LLC
3710

KRISTINA M AMELONG
3714 ATWOOD AVE

ANCHOR PROPERTY MANAGEMENT LLC
3718 ATWOOD AVE

EDITH HOLZHUETER HSE TR
3722 ATWOOD AVE

LANE CLOSED
R11-2L
48"X30"

ROAD CLOSED
R11-2
48"X30"

R3-1
24"X24"

TEMPORARY PEDESTRIAN SURFACE ASPHALT IF NEEDED AFTER INSTALLING UTILITIES

WO1-6
48"X24"

SAWCUT (TYP.)

MATCHLINE STA. 53+00

MATCHLINE STA. 59+00

PI: 54+46.43

PI: 57+46.32

PI: 58+20.92

PC: 58+20.92

STA. 56+80

54+00 55+00 56+00 57+00 58+00 59+00

25' (TYP.)

25' (TYP.)

ATWOOD AVENUE

PAINT 10' 5' TAPE

10'

125' TAPER

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

R3-2
24"X24"

W01-4L
48"X48"

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

WO1-6
48"X24"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

CITY SIGN

STORE SIGN

SPEED LIMIT 25
R2-1
24"X30"

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

EAST SIDE BUSINESS MENS ASSN INC
3735 MONONA DR

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3A	SHEET 249	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S3A.DWG
LAYOUT NAME - 026010-s3a

PLOT DATE : 9/13/2022 9:54 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD CLOSED AHEAD
W20-3A
48"X48"

FLAGGING OPERATIONS SHALL BE USED WHEN WORKING DIRECTLY ADJACENT TO THE TRAVEL LANE AND A 10' TRAVEL LANE WIDTH CANNOT BE MAINTAINED. REFER TO WISDOT S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" FOR REQUIREMENTS. MODIFY TRAFFIC CONTROL DEVICE LAYOUT AS NECESSARY.

TEMPORARY PEDESTRIAN SURFACE ASPHALT IF NEEDED AFTER INSTALLING UTILITIES

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED
R11-2
48"X30"

LANE CLOSED
R11-2L
48"X30"

R3-1
24"X24"

W20-5
48"X48"

W01-4L
48"X48"

SPEED LIMIT 25
R2-1
24"X30"

DO NOT PASS
R4-1
24"X30"

R3-2
24"X24"

SAWCUT (TYP.)

TAPE PAINT

STA. 60+75

ATWOOD AVENUE

OLBRICH AVENUE

MATCHLINE STA. 59+00

MATCHLINE STA. 65+00

PC 64+14.52

PT 64+76.68

BC 64+64.56

EC 64+17.71

25' (TYP.)

10'

5'

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW) (LINE 1' APART)

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINE 1' APART)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

CURRENT OWNER 3802 ATWOOD AVE

STEVEN FALTER
MARY FALTER
3806 ATWOOD

D & P STEVENS LLC
OOD AVE

JOHN E HARDIN
KAITLIN M HARDIN
3814 ATWOOD AVE

CURRENT OWNER
3818
ATWOOD AVE

CURRENT OWI
3734
ATWOOD AVE

PABLO LUES
HEA N LUES
3738
ATWOOD AVE

ISANNAH R
ROOKS
A MCLEES
1730
OOD AVE

BROOKE WEILAN
ACHARY ALEXANE
WOOD AVE

MONONA APT INVESTORS LLC
3827 MONONA DR

EAST SIDE BUSINESS MENS ASSN INC
3735 MONONA DR

RAISED FENCE ON CONCRETE BLOCKS

CURB

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3A	SHEET 250	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S3A.DWG
LAYOUT NAME - 026011-s3a

PLOT DATE : 9/13/2022 9:54 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

FLAGGING OPERATIONS SHALL BE USED WHEN WORKING DIRECTLY ADJACENT TO THE TRAVEL LANE AND A 10' TRAVEL LANE WIDTH CANNOT BE MAINTAINED. REFER TO WISDOT S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" FOR REQUIREMENTS. MODIFY TRAFFIC CONTROL DEVICE LAYOUT AS NECESSARY.

3826 JMI LLC
3826 ATWOOD AVE

ZINGBORN VENTURES LLC
3830 ATWOOD AVE

CHARLES STEVEN
3838/ ATWOOD

'.C ETAL %WALGREEN STR 03393
TAGE GROVE RD

LANE CLOSED
R11-2L
48"X30"

DO NOT PASS
R4-1
24"X30"

SPEED LIMIT 25
R2-1
24"X30"

WO6-3
48"X48"

WO1-6
48"X24"

MARKING REMOVAL SPECIAL MARKING (ONLY)

SAWCUT (TYP.)

BUSINESS SIGN

WOOD FENCE

RAISED SIDEWALK

CURB

GRASS

ASPH.

CONC.

BUS STOP SHELTER

Pt: 66+58.41

Pt: 67+60.20

MATCHLINE STA. 65+00

MATCHLINE STA. 70+00

66+00

67+00

68+00

69+00

70

25' (TYP.)

10'

ATWOOD AVENUE

155' TAPER

36" RCNCP

8" PVC

MARKING REMOVAL SPECIAL MARKING (TYPE 2 ARROW)

TEMPORARY MARKING LINE PAINT 8-INCH

TEMPORARY MARKING ARROW PAINT (TYPE 2, WHITE)

LANDSCAPED WALL

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

COUNTY BB
M1-5A
24"X24"

M6-1
21"X21"

MONONA APT INVESTORS LLC
3825 MONONA DR

TRUCK ROUTE
R14-1
24"X18"

M6-6L
21"X21"

MARKING REMOVAL LINE 4-INCH (LANE LINE DASH) (TYP.)

MARKING REMOVAL LINE WIDE (8" CHANNELIZATION LINE)

ONLY
R3-8LF
36"X30"

HEATHER B TOMLINSON
3837 MONONA DRIVE

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3A	SHEET 251	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S3A.DWG
LAYOUT NAME - 026012-s3a

PLOT DATE : 9/13/2022 9:54 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD WORK AHEAD
W20-1A
48"X48"

COTTAGE GROVE ROAD

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

TEMPORARY PEDESTRIAN SURFACE ASPHALT

LANE CLOSED
R11-2L
48"X30"

WO12-1L
48"X48"

TEMPORARY PEDESTRIAN SURFACE ASPHALT

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

RIGHT LANE MUST TURN RIGHT
R3-7R
30"X30"
EXCEPT BUSES
TRAFFIC CONTROL SIGNS FIXED MESSAGE
30"X9" (1.88 SF)

WO1-4L
48"X48"

ONLY
R3-8ER
36"X30"

NOTE: SEE S.D.D. "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY" FOR SIGN SPACING REQUIREMENTS.

ROAD WORK AHEAD
W20-1A
48"X48"

PI: 71+41.38

EP: 72+10.88

MONONA DRIVE

71+00

72+00

MATCHLINE STA. 70+00

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW, 5' LINE, 5' GAP)

MARKING REMOVAL LINE WIDE (STOP LINE)

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

TEMPORARY MARKING LINE PAINT 8-INCH

FERCHLAND PLACE

ROAD WORK AHEAD
W20-1A
48"X48"

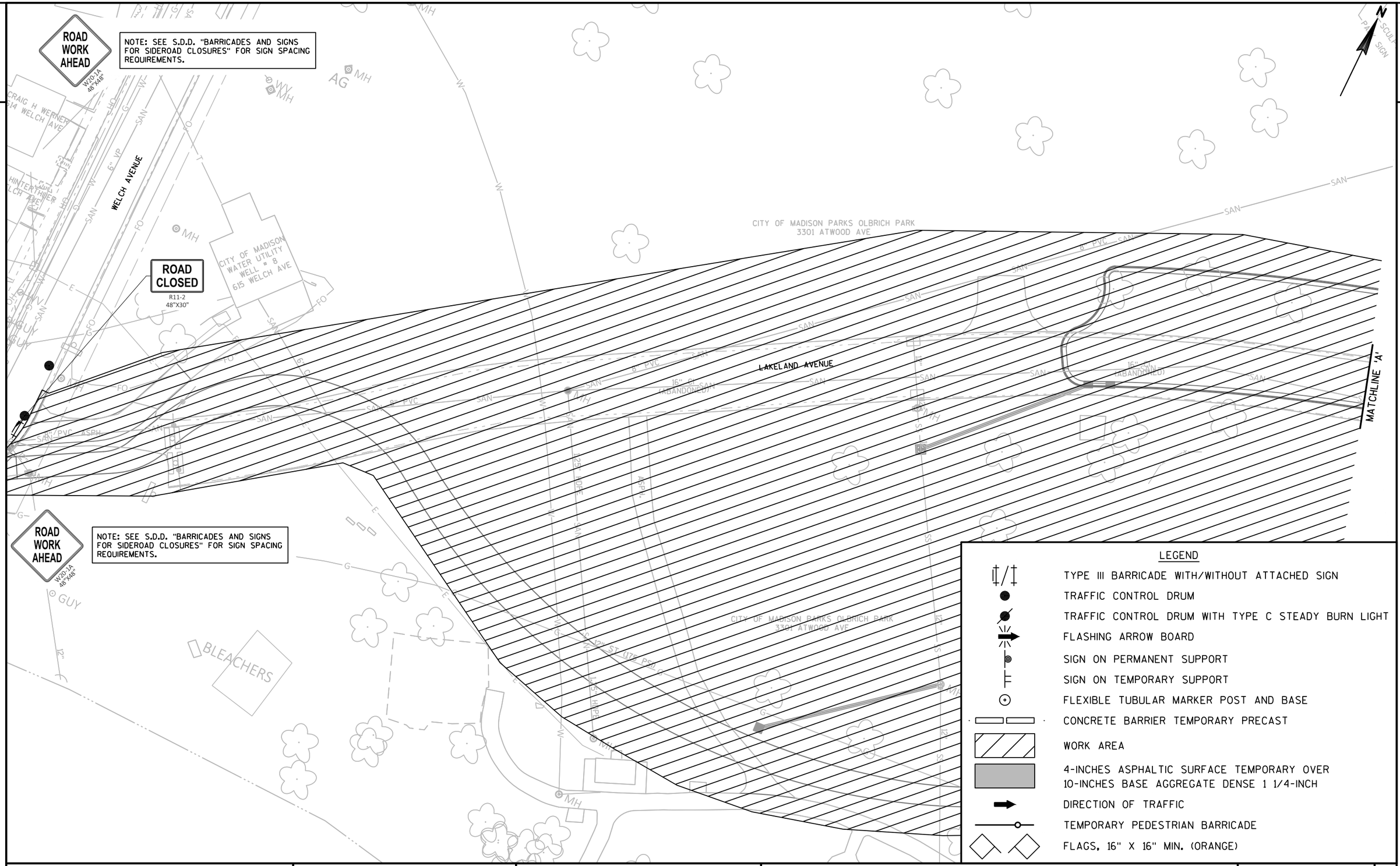
NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

END ROAD WORK
G20-2A
48"X24"

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

2



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3A	SHEET 253	E

2

N

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

ROAD WORK AHEAD
W20-1A
48"X48"

EB: 654+53

MATCHLINE STA. 651+75

652+00

WALTER STREET

END ROAD WORK
G20-2A
48"X24"

STOP
EXISTING TO REMAIN

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)

JOHNS STREET

SARGENT STREET

GRANT MOORE
JENNIFER MOORE
3501 SARGENT ST

BARBARA L
SEYMOUR
3504
SARGENT ST

EXISTING TO REMAIN

401 WALTER ST

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3A	SHEET 254	E

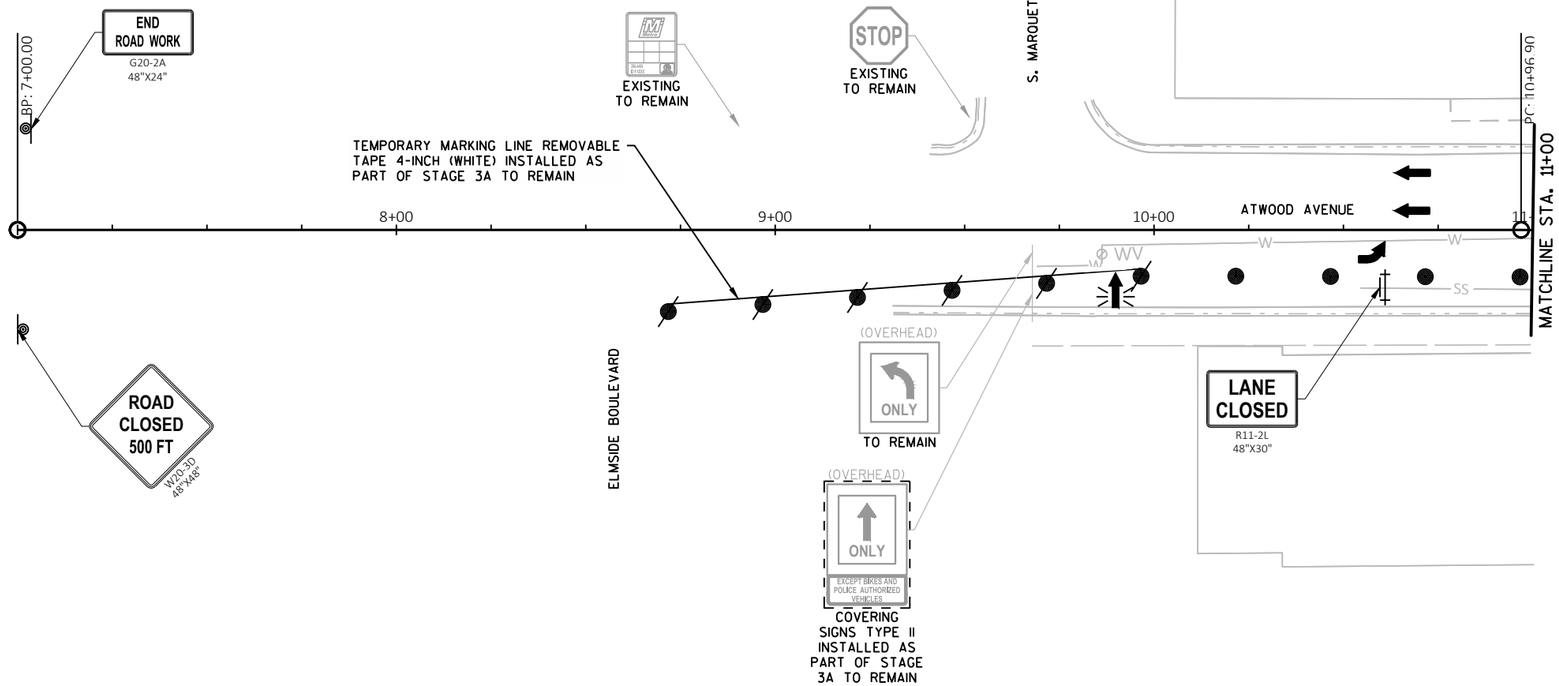
FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S3A.DWG
LAYOUT NAME - 026015-s3a

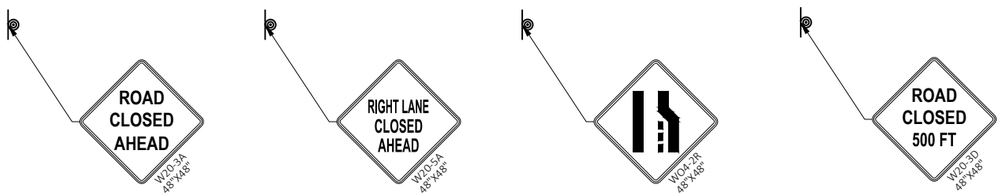
PLOT DATE : 9/13/2022 9:54 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)





NOTE: SEE S.D.D. "TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED, NON-FREEWAY/EXPRESSWAY" FOR SIGN SPACING REQUIREMENTS.

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR SIGN SPACING REQUIREMENTS.

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3B	SHEET 255	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S3B.DWG
LAYOUT NAME - 026002-s3b

PLOT DATE : 9/13/2022 10:33 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD WORK AHEAD
W20-1A
48"X48"

WO12-1R
48"X48"

LANE CLOSED
R11-2L
48"X30"

R3-2
24"X24"

GAP DRUMS TO MAINTAIN DRIVEWAY ACCESS

(OVERHEAD)
ONLY
TO REMAIN

(OVERHEAD)
ONLY
EXCEPT BIKES AND POLICE AUTHORIZED VEHICLES
COVERING SIGNS TYPE II INSTALLED AS PART OF STAGE 3A TO REMAIN

GAP DRUMS TO MAINTAIN DRIVEWAY ACCESS

FAIR OAKS AVENUE

25' (TYP.)

ROAD CLOSED
R11-2
48"X30"

LAVERNE A BIRRENKOTT
VALERIE L BIRRENKOTT
6 ATWOOD AVE

3002 ATWOOD INVESTMENTS LLC
3010 ATWOOD AVE

MAYNARD SCHMUDLACH (LE)
MICHAEL SCHMUDLACH
3014 ATWOOD AVE

ROBERT H GRETHER
PAMELA K GRETHER
3026 ATWOOD AVE

KELLY SORENSO
NATHAN LIEGEL
3030 ATWOOD A

WOOD RAILING
STEPS (2)
GRASS
ASPH
WOOD FENCE
STONE RETAINING WALL
STEPS (5)
WOOD FENCE
STONE RETAINING WALL
STEPS (5)
STEPS (5) WITH METAL RAILING
STEPS (3.5)

MATCHLINE STA. 11+00

11+00
12+00
13+00
14+00
15+00
16+00
17+00

25' (TYP.)

(BUSES ONLY)
11'
ATWOOD AVENUE
(BUSES ONLY)

MATCHLINE STA. 17+00

GRASS
METAL FENCE
STEPS (10)
LANDSCAPING
GRASS
TIMBER WALL
STERS (4)
CONCRETE CURB WALL

DO NOT ENTER
R5-1
30"X30"
EXCEPT BUSES
TRAFFIC CONTROL SIGNS FIXED MESSAGE INSTALLED AS PART OF STAGE 3A TO REMAIN

R3-1
24"X24"

MAPLE AVENUE

HILARY ANN STEIN
2929 ATWOOD AVE

MADISON METRO SCHOOL DISTRICT
401 MAPLE AVE

WO1-6
48"X24"

(BUSES ONLY)

DO NOT ENTER
R5-1
30"X30"

LUDINGTON AVENUE

DAVID J BLOOM
RAINA M BLOOM
401 LUDINGTON AVE

MICHAEL JOHN SHORT
3105 ATWOOD AVE

ROAD CLOSED
R11-2
48"X30"

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD WORK AHEAD
W20-1A
48"X48"

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD CLOSED AHEAD
W20-3A
48"X48"

N

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3B	SHEET 256	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S3B.DWG
LAYOUT NAME - 026003-s3b

PLOT DATE : 9/13/2022 10:33 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD CLOSED AHEAD
W20-3A
48"X48"

ROAD CLOSED
R11-2
48"X30"

GARRISON STREET

MATCHLINE STA. 17+00

MATCHLINE STA. 23+00

ATWOOD AVENUE

WELCH AVENUE

CENTER AVENUE

PRC 17+97.05

PRC 19+30.30

PT 19+78.04

15+00 | 19+00 | 20+00 | 21+00 | 22+00 | 23+00

L LEBLANC
S LEBLANC
TWOOD AVE

DAVID JOHN WARNER
DAWN M WARNER
3118 ATWOOD AVE

PRESTON BARROWS
3122
ATWOOD AVE

CURRENT OWNER
3126
ATWOOD AVE

LINDA L M DYKSTRA
3202
ATWOOD AVE

CURRENT OWNER
3206
ATWOOD AVE

JOHN GOEDDERZ
KATHLEEN BAILEY
3210
ATWOOD AVE

KAREN BURZINSKI
3214
ATWOOD AVE

MIKE P KINGSLIEN
STACY R STONE
3218 ATWOOD AVE

NE
AINING WALL
TEPS (3)

MODULAR BLOCK RETAINING WALL

STEPS (3)
STEP (1)
STEP (1)

GRASS

STONE RETAINING WALL
POOR SHAPE

STEPS (4)
STEPS (3)

LANDSCAPING

FRANCISCO XAVIER SUAREZ
405 WELCH AVE

STEP (1)

LAUREN A SLATTERY
3209 ATWOOD AVE

CHAIN LINK FENCE

SUSAN K SHAW
3213
ATWOOD AVE

STEPS

STONE RETAINING WALL

STEPS (4)

WOOD FENCE

TAVISH PEGRAM
3225/3227 ATWOOD AVE

MICHAEL A QUIRKE
3109 ATWOOD AVE

BOLLERUD LIVING TRUST
3113 ATWOOD AVE

JESSE M VANDERPOL
3121 ATWOOD AVE

MICHAEL THEISEN
DAWN THEISEN
3123 ATWOOD AVE

SULLIVAN KIDDER
409 WELCH AVE

JELIC FAMILY TRUST
3212 CENTER AVE

3217 LLC
3217 CENTER AVE

P T & L A ANDERSON TR
3213 CENTER AVE

MARY J CONROY
3209 CENTER AVE

CURRENT OWNER
3230
OAKRIDGE AVE

JEAN M RAWSON REV TRUST
3226
OAKRIDGE AVE

RICHARD L POLLAK
3222
OAKRIDGE AVE

BETH A CAY
3122 CENTR

JAY SWENSON
413 WELCH AVE

ROAD CLOSED AHEAD
W20-3A
48"X48"

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD CLOSED AHEAD
W20-3A
48"X48"

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED
R11-2
48"X30"

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3B	SHEET 257	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S3B.DWG
LAYOUT NAME - 026004-s3b

PLOT DATE : 9/13/2022 10:33 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

ROAD CLOSED AHEAD
W20-3A
48"X48"

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD CLOSED
R11-2
48"X30"

SUGAR AVENUE

JAMES DRURY
3242
ATWOOD AVE

CITY OF MADISON PARKS OLBRICH BOTANICAL GARDENS
3330 ATWOOD AVE

BOTANICAL GARDEN SIGN

CITY OF MADISON PARKS OLBRICH
3330 ATWOOD

WO1-6
48"X24"

WO5-3
48"X48"

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE
PAINT 4-INCH (DOUBLE YELLOW)
(LINES 1' APART)

MATCHLINE STA. 23+00

MATCHLINE STA. 29+00

ATWOOD AVENUE

25' (TYP.)

SPEED LIMIT
25
R2-1
24"X30"

SCULPTURE FOUNDATION
PARK SIGN

PARKS OLBRICH PARK
3301 ATWOOD AVE

OAKRIDGE AVENUE

LAKELAND AVENUE

MATCHLINE 'A'

ROAD CLOSED AHEAD
W20-3A
48"X48"

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3B	SHEET 258	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S3B.DWG
LAYOUT NAME - 026005-s3b
PLOT DATE : 9/13/2022 10:33 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

CITY OF MADISON PARKS OLBRICH BOTANICAL GARDENS
3330 ATWOOD AVE

CITY OF MADISON PA

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

SHRUBS

MULCH

IRON FENCE

PI: 29+70.29

PI: 31+27.82

PI: 33+54.16

MATCHLINE STA. 29+00

MATCHLINE STA. 35+00

STA. 31+75

STA. 33+00

25' (TYP.)

ATWOOD AVENUE

PAINT | TAPE

TAPE | PAINT

30+00

31+00

32+00

33+00

34+00

35+00

CITY OF MADISON PARKS OLBRICH PARK
3301 ATWOOD AVE

DO NOT PASS
R4-1
24"X30"

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

LANE CLOSED
R11-2L
48"X30"

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3B	SHEET 259	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S3B.DWG
LAYOUT NAME - 026006-s3b

PLOT DATE : 9/13/2022 10:33 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

N

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

PARK SIGN

PI: 36+23.49

ASPH.

GRASS

ATWOOD AVENUE

25' (TYP.)

10"

MATCHLINE STA. 35+00

MATCHLINE STA. 41+00

36+00

37+00

38+00

39+00

40+00

41

6" MED

12" STORM

8" SAN

8" WATER

6" GAS

BOAT LAUNCH ENTRANCE

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

STOP
R1-1
30"X30"

LANE CLOSED
R11-2L
48"X30"

W06-3
48"X48"

SPEED LIMIT 25
R2-1
24"X30"

DO NOT PASS
R4-1
24"X30"

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3B	SHEET 260	E

2

DO NOT PASS
R4-1
24"X30"

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

SPEED LIMIT 25
R2-1
24"X30"

W06-3
48"X48"

CHAIN LINK FENCE

CITY OF MAI S OLBRICH SOFTBALL DIAMONDS
WALTER ST

PARK SIGN

ATWOOD AVENUE

MATCHLINE STA. 41+00

42+00 43+00 44+00 45+00 46+00

25' (TYP.) 25' (TYP.)

PC 44+29.97

GRASS

BUS STOP SHELTER

LANE CLOSED
R11-2L
48"X30"

ACCESS TO LOCAL BUSINESSES
R10-71
66"X36"

TEMPORARY MARKING STOP LINE PAINT 18-INCH INSTALLED AS PART OF STAGE 3A TO REMAIN

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

TEMPORARY PEDESTRIAN SURFACE ASPHALT

MATCHLINE STA. 651+75

WALTER STREET

651+00

EXISTING TO REMAIN

SPEED LIMIT 25
EXISTING TO REMAIN

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) INSTALLED AS PART OF STAGE 3A TO REMAIN

650+00.00

MATCHLINE STA. 47+00

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

TEMPORARY MARKING STOP LINE PAINT 18-INCH

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

LANE CLOSED
R11-2L
48"X30"

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3B	SHEET 261	E

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

FLAGGING OPERATIONS SHALL BE USED WHEN WORKING DIRECTLY ADJACENT TO THE TRAVEL LANE AND A 10' TRAVEL LANE WIDTH CANNOT BE MAINTAINED. REFER TO WISDOT S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" FOR REQUIREMENTS. MODIFY TRAFFIC CONTROL DEVICE LAYOUT AS NECESSARY.

ROAD WORK AHEAD
W20-1A
48"X48"

MICHAEL CHARLES MELVIN
JACLYN MARIE MELVIN
3514 DENNETT DR

DENNETT DRIVE

W06-3
48"X48"

RUTH E NICHOLS
JAMES C NICHOLS
3502 DENNETT DR UNIT P2

STOP
R1-1
30"X30"

SPEED LIMIT 25
R2-1
24"X30"

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

DO NOT PASS
R4-1
24"X30"

LLOYD J BLANEY
3602 ATWOOD AVE

A J PROBST
3606 ATWOOD AVE
(VACANT LOT)

VIRGINIA PROBST
3610 ATWOOD AVE

ATWOOD AVENUE

25' (TYP.)

PT: 48+17.26

PC: 49+12.79

PT: 50+68.82

MATCHLINE STA. 47+00

MATCHLINE STA. 53+00

47+00

48+00

49+00

50+00

51+00

52+00

53+00

LANE CLOSED
R11-2L
48"X30"

SAWCUT (TYP.)

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
2527 ATWOOD AVE

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3B	SHEET 262	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S3B.DWG
LAYOUT NAME - 026009-s3b

PLOT DATE : 10/12/2022 3:42 PM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD WORK AHEAD
W20-1A
48"X48"

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

KAELIN M GRANT
3521 MARGARET ST

CYDNEY L FOOTET
3517 MARGARET ST

CAROL M CONNORS
3513 MARGARET ST

MARGARET STREET

ROBERT T PLUM
LAUREEN K THDEMKE
3501 MARGARET ST

DEXTER HOLDINGS LLC
3710 ATWOOD AVE

KRISTINA M AMELONG
3714 ATWOOD AVE

ELLIOTT G SMITH
MELISSA R SMITH
3630 ATWOOD AVE

JEREMY M WACKER
3618 ATWOOD AVE

CAPRI G PEARSON
3622 ATWOOD AVE

DO NOT PASS
R4-1
24"X30"

SPEED LIMIT 25
R2-1
24"X30"

STOP
R1-1
30"X30"

W06-3
48"X48"

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

PI: 54+46.13

PI: 57+06.32

PI: 58+20.92

PC: 58+90.92

MATCHLINE STA. 53+00

MATCHLINE STA. 59+00

25' (TYP.)

54+00

55+00

56+00

57+00

58+00

ATWOOD AVENUE

SAWCUT (TYP.)

FLAGGING OPERATIONS SHALL BE USED WHEN WORKING DIRECTLY ADJACENT TO THE TRAVEL LANE AND A 10' TRAVEL LANE WIDTH CANNOT BE MAINTAINED. REFER TO WISDOT S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" FOR REQUIREMENTS. MODIFY TRAFFIC CONTROL DEVICE LAYOUT AS NECESSARY.

LANE CLOSED
R11-2L
48"X30"

W06-3
48"X48"

W01-4R
48"X48"

EAST SIDE BUSINESS MENS ASSN INC
3735 MONONA DR

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3B	SHEET 263	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S3B.DWG
LAYOUT NAME - 026010-s3b

PLOT DATE : 9/13/2022 10:34 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD CLOSED AHEAD
W20-3A
48"X48"

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED
R11-2
48"X30"

TEMPORARY BUS STOP PAD INSTALLED DURING STAGE 3A TO REMAIN

R3-1
24"X24"

W01-4R
48"X48"

LANE CLOSED
R11-2L
48"X30"

R3-2
24"X24"

OLBRICH AVENUE

ATWOOD AVENUE

MATCHLINE STA. 59+00

MATCHLINE STA. 65+00

STA. 60+75

60+00

61+00

62+00

63+00

64+00

25' (TYP.)

PAINT

PAINT INSTALLED AS PART OF STAGE 3A

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINES 1' APART)

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) INSTALLED AS PART OF STAGE 3A TO REMAIN

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINES 1' APART) INSTALLED AS PART OF STAGE 3A TO REMAIN

PC 63+64.56

PT 63+77.71

PC 64+14.76

PT 64+76.68

RAISED FENCE ON CONCRETE BLOCKS

CURB

CURRENT OWNER 3802 ATWOOD AVE

STEVEN FALTER
MARY FALTER
3806 ATWOOD

D & P STEVENS LLC
JOD AVE

JOHN E HARDIN
KAITLIN
3814 A

CURRENT OWNER 3818 ATWOOD AVE

PABLO LUES
SHEA N LUES
3738 ATWOOD AVE

CURRENT OWNER 3734 ATWOOD AVE

SUSANNAH R BROOKS
JAMIE A MCLEES
3730 ATWOOD AVE

BROOKE WEILAND
ACHARY ALEXANDER
3726 ATWOOD AVE

LANDSCAPING

WOOD FENCE

MODULAR BLOCK WALL

STONE WALL

MONONA APT INVESTORS LLC
3827 MONONA DR

EAST SIDE BUSINESS MENS ASSN INC
3735 MONONA DR

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

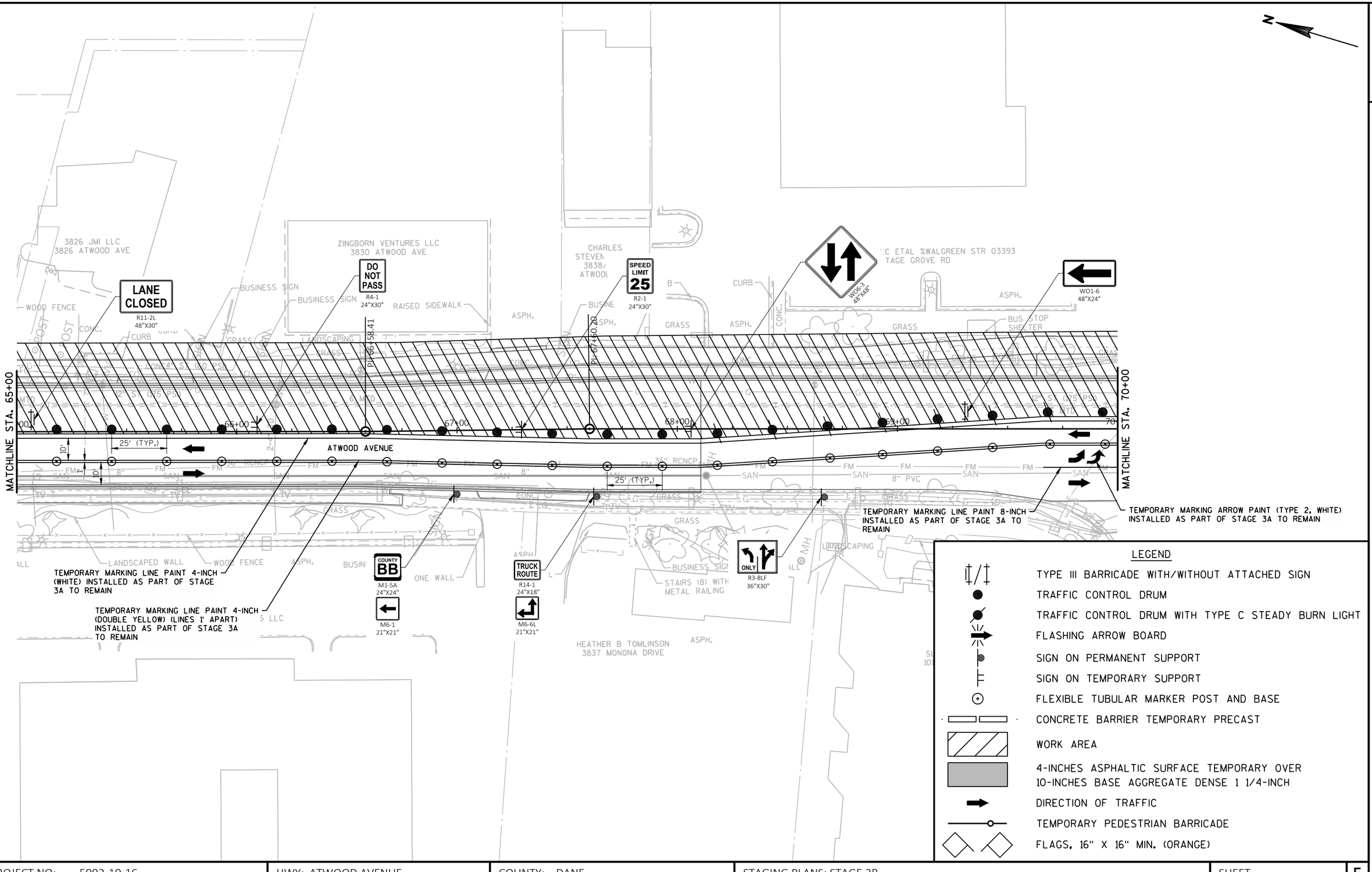
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3B	SHEET 264	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S3B.DWG
LAYOUT NAME - 026011-s3b

PLOT DATE : 9/13/2022 10:34 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3B	SHEET 265	E

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD WORK AHEAD
W20-1A
48"X48"

COTTAGE GROVE ROAD

TEMPORARY BUS STOP PAD INSTALLED AS PART OF STAGE 3A TO REMAIN

LANE CLOSED
R11-2L
48"X30"

WO12-1L
48"X48"

TEMPORARY BUS STOP PAD INSTALLED AS PART OF STAGE 3A TO REMAIN

RIGHT LANE MUST TURN RIGHT
R3-7R
30"X30"
EXCEPT BUSES
TRAFFIC CONTROL SIGNS FIXED MESSAGE INSTALLED AS PART OF STAGE 3A TO REMAIN

WO1-4L
48"X48"

R3-8ER
36"X30"

NOTE: SEE S.D.D. "TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY" FOR SIGN SPACING REQUIREMENTS.

ROAD WORK AHEAD
W20-1A
48"X48"

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) INSTALLED AS PART OF STAGE 3A TO REMAIN

PI: 70+27.33

PI: 71+41.38

EP: 72+10.88

MONONA DRIVE

71+00

72+00

MATCHLINE STA. 70+00

MATCHLINE

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW, 5' LINE, 5' GAP) INSTALLED AS PART OF STAGE 3A TO REMAIN

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) (LINES 1' APART) INSTALLED AS PART OF STAGE 3A TO REMAIN

TEMPORARY MARKING LINE PAINT 8-INCH INSTALLED AS PART OF STAGE 3A TO REMAIN

FERCHLAND PLACE

ROAD WORK AHEAD
W20-1A
48"X48"

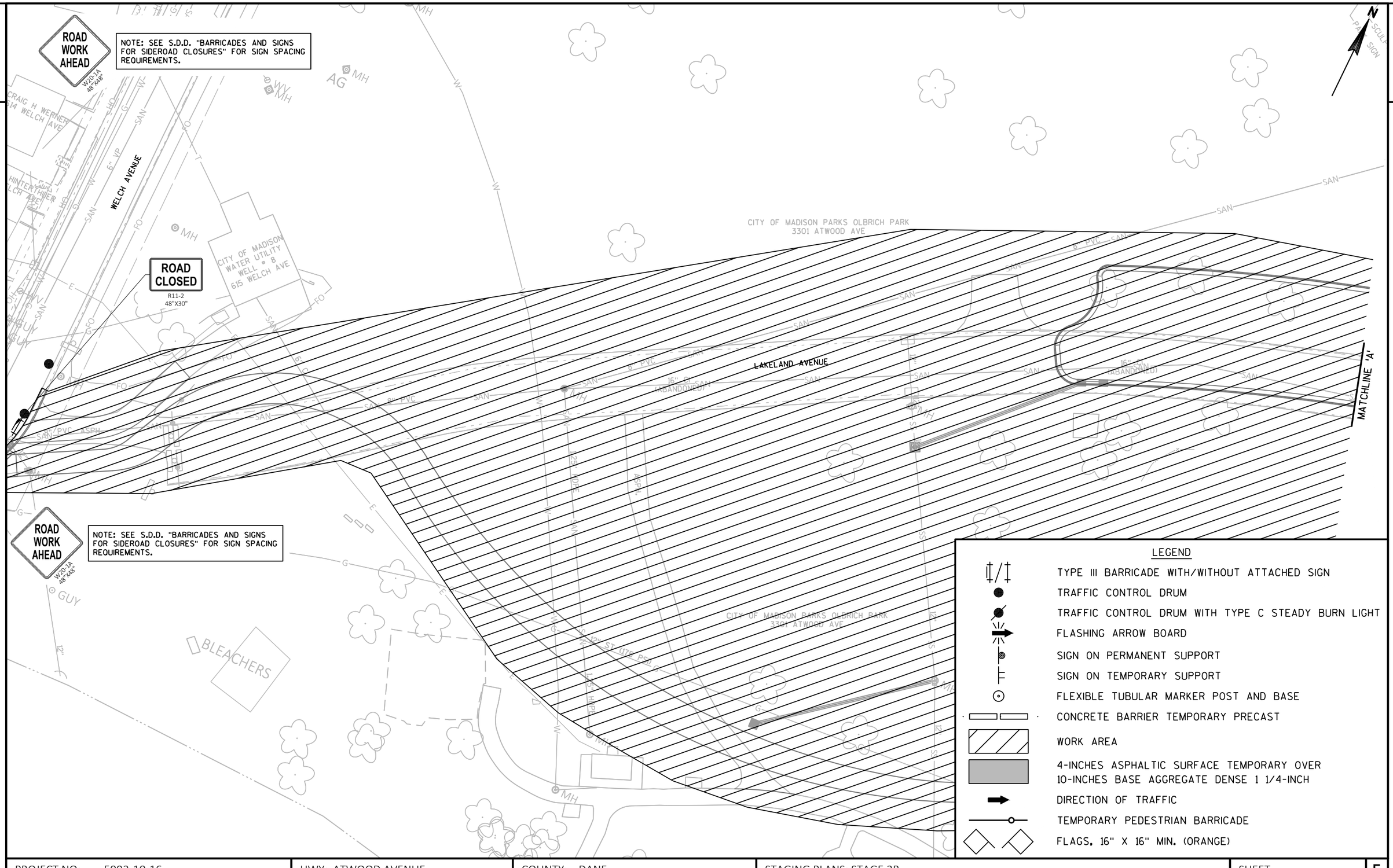
NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

END ROAD WORK
G20-2A
48"X24"

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

2



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3B	SHEET 267	E

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

N

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD WORK AHEAD
W20-1A
48"X48"

Y OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

AGE DISTRICT
ATION 6
ALTER ST

WALTER STREET

MATCHLINE STA. 651+75

652+00

25' (TYP.)

TEMPORARY MARKING LINE
PAINT 4-INCH (DOUBLE YELLOW)
INSTALLED AS PART OF STAGE
3A TO REMAIN

STOP
EXISTING
TO REMAIN

WO12-1R
48"X48"

JOHNS STREET

CAREY
ALTER ST

GRANT MOORE
JENNIFER MOORE
3501 SARGENT ST

SARGENT STREET

STOP
EXISTING
TO REMAIN

BARBARA L
SEYMOUR
3504
SARGENT ST

EXISTING
TO REMAIN

RIE
IBERGER
401 WALTER ST

END
ROAD WORK
G20-2A
48"X24"

2

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3B	SHEET 268	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S3B.DWG
LAYOUT NAME - 026015-s3b

PLOT DATE : 9/13/2022 10:35 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD CLOSED AHEAD
W20-3A
48"X48"

ROAD CLOSED
R11-2
48"X30"

SUGAR AVENUE

LYNNE L WEBORG
3238 ATWOOD AVE

JAMES DRURY
3242 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH BOTANICAL GARDENS
3330 ATWOOD AVE

BOTANICAL GARDEN SIGN

ATWOOD AVENUE

KERRY KRETCHMAN
CHRISTOPHER MOHR
3234 OAKRIDGE AVE

OAKRIDGE AVENUE

SCULPTURE FOUNDATION PARK SIGN

WO1-6
48"X24"

TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) INSTALLED AS PART OF STAGE 3B TO REMAIN

LAKELAND AVENUE

SPEED LIMIT 25
R2-1
24"X30"

MATCHLINE STA. 29+00

NOTE: SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR SIGN SPACING REQUIREMENTS.

ROAD CLOSED AHEAD
W20-3A
48"X48"

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3C	SHEET 269	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026001-S3C.DWG
LAYOUT NAME - 026005-s3c

PLOT DATE : 9/13/2022 10:56 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

N

2

TANICAL GARDENS

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

LANE CLOSED
R11-2L
48"X30"

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) INSTALLED AS PART OF STAGE 3B TO REMAIN

IRON FENCE

PI: 29+70.2

PI: 31+27.82

PI: 33+54.16

ATWOOD AVENUE

25' (TYP.)

MATCHLINE STA. 29+00

MATCHLINE STA. 35+00

30+00

31+00

32+00

33+00

34+00

CITY OF MADISON PARKS OLBRICH PARK
3301 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

LANE CLOSED
R11-2L
48"X30"

WO1-4L
48"X48"

12" ST (175 PSI)

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3C	SHEET 270	E

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- FLAGS, 16" X 16" MIN. (ORANGE)

N

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) INSTALLED AS PART OF STAGE 3B TO REMAIN

LANE CLOSED
R11-2L
48"X30"

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

SPEED LIMIT 25
R2-1
24"X30"

TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)

TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) INSTALLED AS PART OF STAGE 3B TO REMAIN

MATCHLINE STA. 35+00

ATWOOD AVENUE

PI: 36+23

36+00 37+00 38+00 39+00 40+00 41+00

25' (TYP.)

225' TAPER

6 MTD

12"

11'

10'

1'

GRASS

ASPH.

PARK SIGN

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

STOP
R1-1
30"X30"

WO1-6
48"X24"

TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)

WO6-3
48"X48"

BOAT LAUNCH ENTRANCE

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGING PLANS: STAGE 3C	SHEET 271	E

2

LEGEND

- TYPE II BARRICADE
- TYPE II BARRICADE WITH ATTACHED SIGN
- TEMPORARY SIGN SUPPORT WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH WARNING LIGHT TYPE C
- TEMPORARY PEDESTRIAN BARRICADE
- PEDESTRIAN ROUTE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY COVER PLATES
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

PEDESTRIAN ACCESS NOTES

1. MAINTAIN AN ADA ACCESSIBLE PEDESTRIAN ACCESS, 6-FT WIDE DESIRABLE (4-FT MINIMUM) ON EITHER THE EXISTING SIDEWALK OR A TEMPORARY SURFACE TO ALL BUSINESS AND RESIDENTIAL ENTRANCES ALONG ATWOOD AVE. THROUGH THE WORK ZONE AS LONG AS POSSIBLE. IF A 4-FT WIDE PEDESTRIAN ACCESS IS NECESSARY, INSTALL PASSING ZONES AS SHOWN ON S.D.D. "TRAFFIC CONTROL, PEDESTRIAN ACCOMODATION."

2. PROVIDE PROTECTION FROM ANY DROP-OFF EXCEEDING 6-INCHES AND INSTALL A TEMPORARY PEDESTRIAN BARRICADE BETWEEN THE PEDESTRIAN ACCESS AND THE WORK ZONE.

3. WHEN REMAINING SIDEWALKS NEED TO BE REMOVED FOR REPLACEMENT, THE CONTRACTOR SHALL HAVE THE BASE COURSE MATERIAL LEVELED AND COMPACTED IN THE REMOVAL AREAS WITHIN 24 HOURS, AND THE NEW CONCRETE SIDEWALK MUST BE IN PLACE AND AVAILABLE FOR PEDESTRIAN USE WITHIN THE SAME WORK WEEK. CLOSURE OF SIDEWALK MUST BE APPROVED BY THE ENGINEER AND BE LIMITED TO ONE SIDE OF THE STREET AT A TIME TO MAINTAIN PEDESTRIAN ACCESS ALONG ATWOOD AVE. (THE CONTRACTOR WILL ONLY BE ABLE TO REMOVE THE SIDEWALK ON ONE SIDE OF THE STREET AT A TIME).

4. THE CONTRACTOR SHALL COORDINATE WITH LOCAL BUSINESSES WHEN ACCESS TO THE BUSINESS WILL BE CLOSED OFF FOR SIDEWALK INSTALLATION AND ANY OTHER WORK THAT MAY IMPACT PEDESTRIAN ACCESS.

5. TEMPORARY CROSSWALKS SHALL BE MOVED AS NEEDED TO PROVIDE CONTINUOUS PEDESTRIAN ACCESS THROUGHOUT THE WORK ZONE.

6. 4-INCH PVC PIPE (IF NECESSARY FOR DRAINAGE) SHALL BE INCIDENTAL TO THE "TEMPORARY CURB RAMP" BID ITEM.

7. SEE S.D.D. "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" FOR ADDITIONAL INFORMATION.

8. PROVIDE GAPS IN PEDESTRIAN BARRICADE AS NEEDED TO FACILITATE CONSTRUCTION TRAFFIC WITHIN THE WORKZONE. PEDESTRIAN BARRICADE SHALL BE CONTINUOUS THROUGH THE WORK ZONE IN AREAS WHERE CONSTRUCTION ACTIVITY ISN'T PRESENT WITHIN THE WORKZONE AND OUTSIDE OF WORKING HOURS.

1.

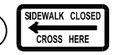
R9-9
24"X12"

2.

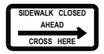
R9-9A
30"X18"

3.

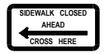
R9-11AR
24"X12"

4. 

R9-11AL
24"X12"

5. 

R9-11R
24"X12"

6. 

R9-11L
24"X12"

7.

M4-9BA
30"X24"

8.

M4-9BL
30"X24"

9.

M4-9BR
30"X24"

10.
WO11-2
48"X48"

WO16-9P
24"X12"

11.
WO11-2
48"X48"

WO16-7L
24"X12"

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS GENERAL NOTES	SHEET 272	E

2

N

8+00
9+00
10+00
11+00
12+00
13+00
14+

FAIR OAKS AVENUE
MAPLE AVENUE
ATWOOD AVENUE
SIGN
MATCH LINE 14+00

2

N

MATCH LINE 14+00
-00
15+00
16+00
ATWOOD AVENUE
17+00
18+00
19+00
ATWOOD AVENUE
20+00
MATCH LINE 20+50

GARRISON STREET
WELCH STREET
STREET

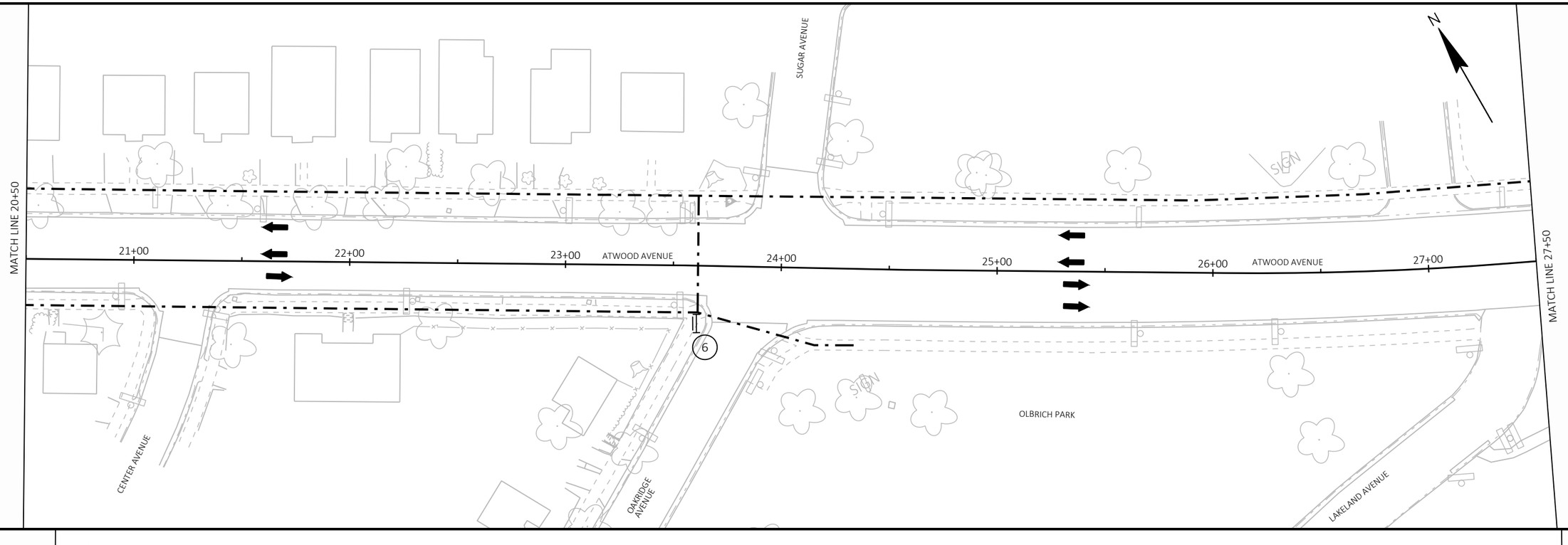
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 1	SHEET 273 E

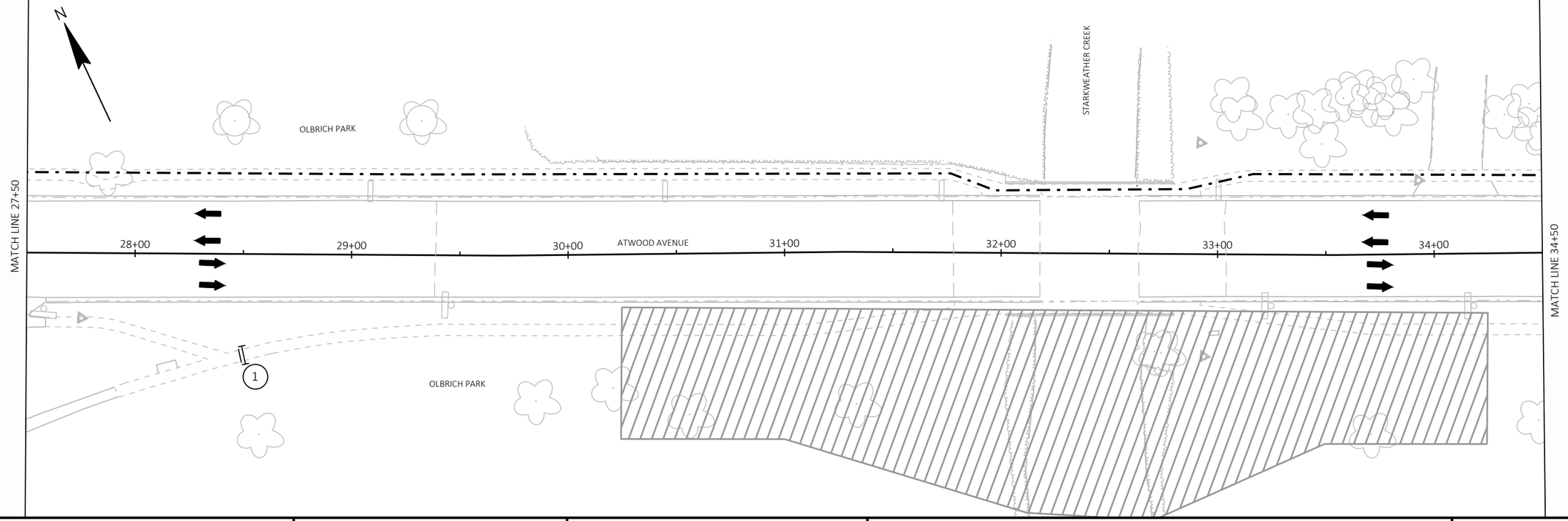
FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026008-PED S1.DWG
LAYOUT NAME - 26008-1-S1

PLOT DATE : 9/16/2022 8:14 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2



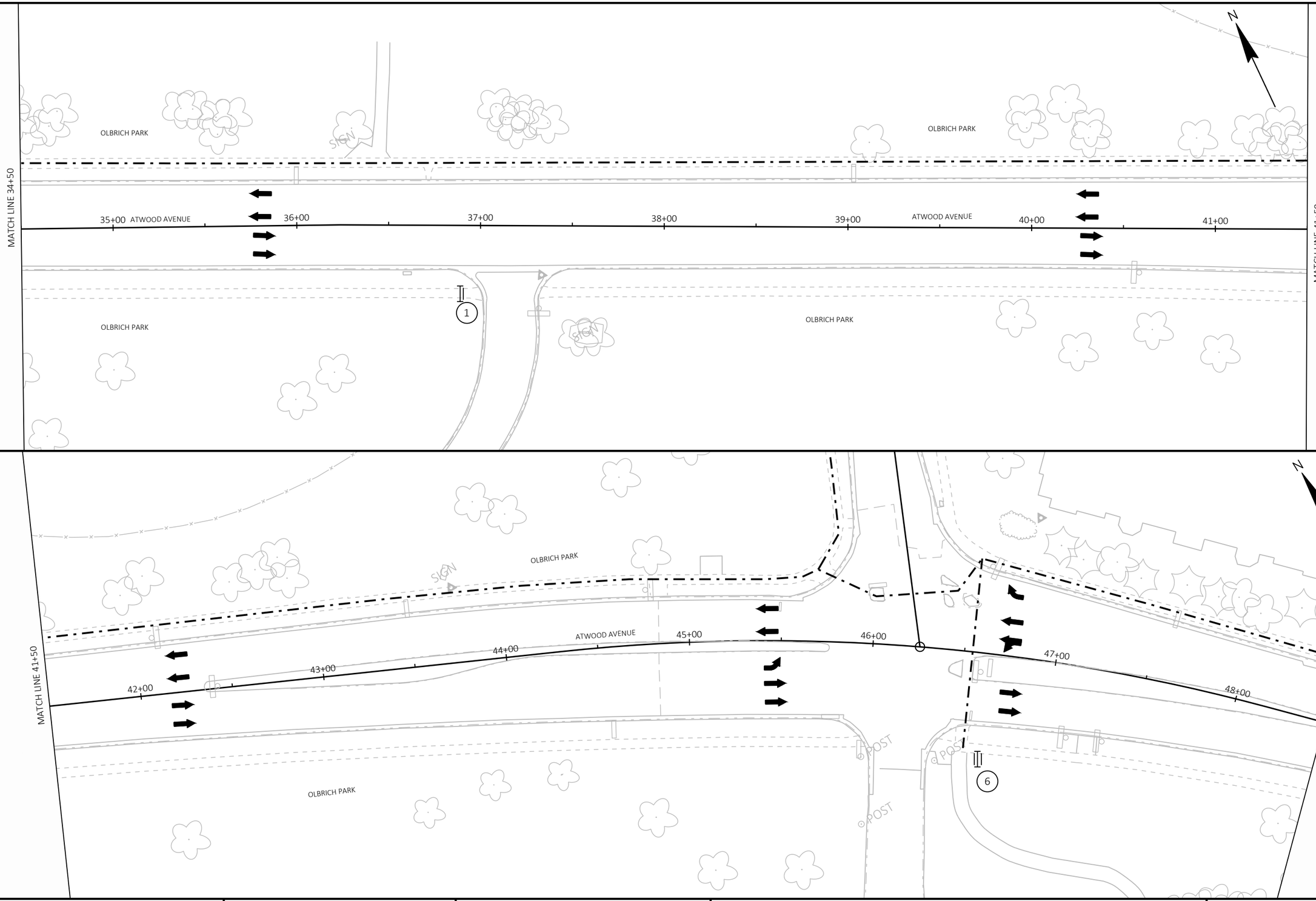


PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 1	SHEET 274	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026008-PED S1.DWG
LAYOUT NAME - 26008-2-S1

PLOT DATE : 9/16/2022 8:14 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



2

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 1	SHEET 275	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026008-PED S1.DWG
LAYOUT NAME - 26008-3-S1

PLOT DATE : 9/16/2022 8:14 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

2

N

DENNETT DRIVE

MATCH LINE 48+50

ATWOOD AVENUE

49+00

50+00

51+00

52+00

53+00

54+00

ATWOOD AVENUE

55+

MATCH LINE 55+00

OLBRICH PARK

OLBRICH PARK

1

3

MARGARET STREET

OLBRICH AVENUE

MATCH LINE 55+00

56+00

57+00

58+00

ATWOOD AVENUE

59+00

60+00

61+00

62

MATCH LINE 62+00

OLBRICH PARK

SIGN POST

SIGN POST

N

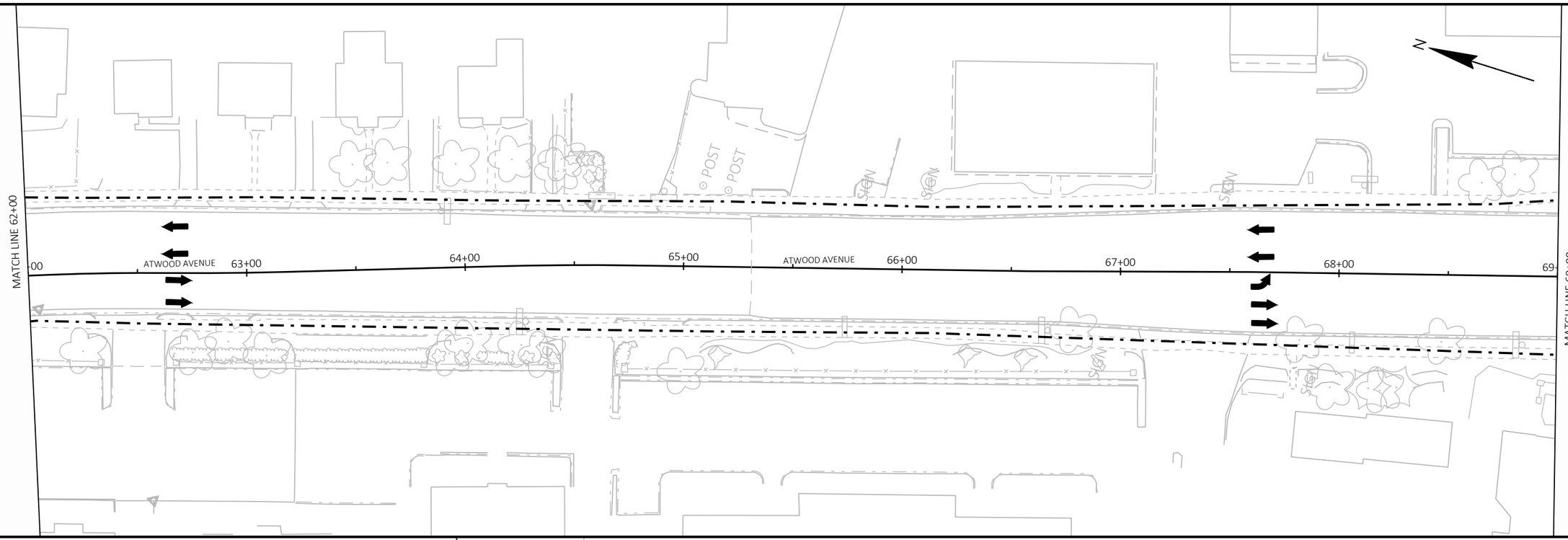
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 1	SHEET 276	E

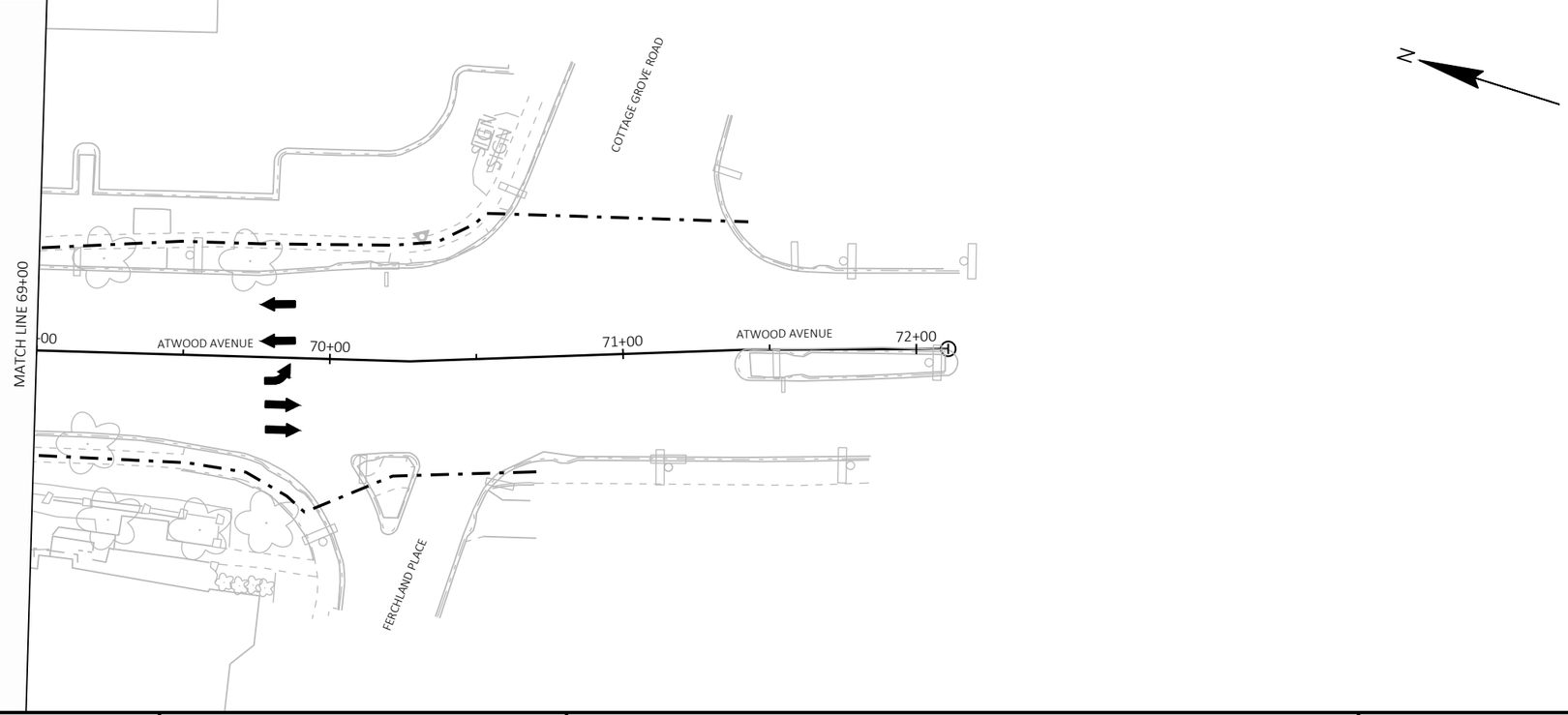
FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026008-PED S1.DWG
LAYOUT NAME - 26008-4-S1

PLOT DATE : 9/16/2022 8:14 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2





2

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 1	SHEET 277	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026008-PED S1.DWG
LAYOUT NAME - 26008-5-S1

PLOT DATE : 9/16/2022 8:14 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

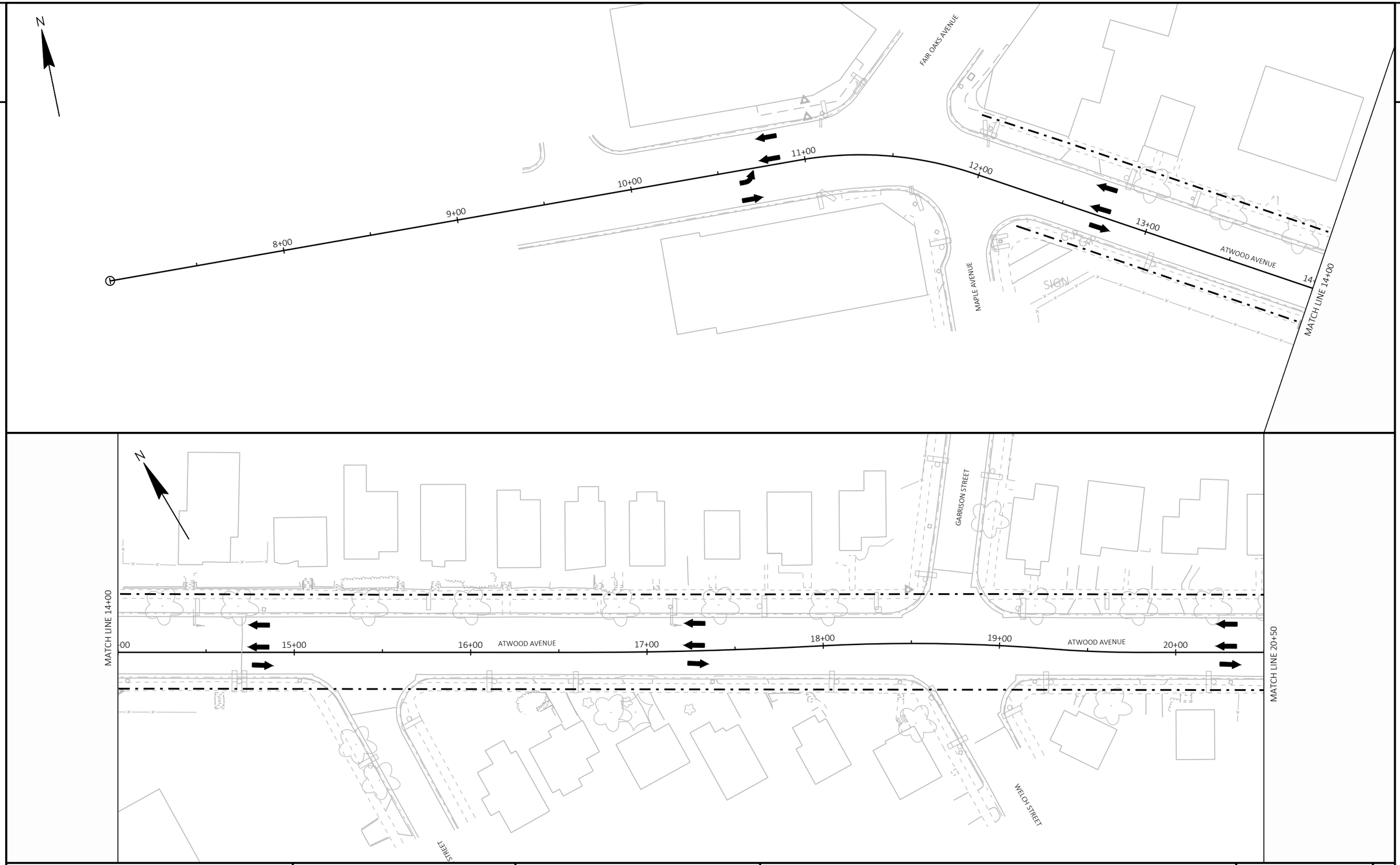
WISDOT/CADDS SHEET 44

2

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 1	SHEET 278	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026008-PED S1.DWG
LAYOUT NAME - 26008-6-S1

PLOT DATE : 9/16/2022 8:14 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

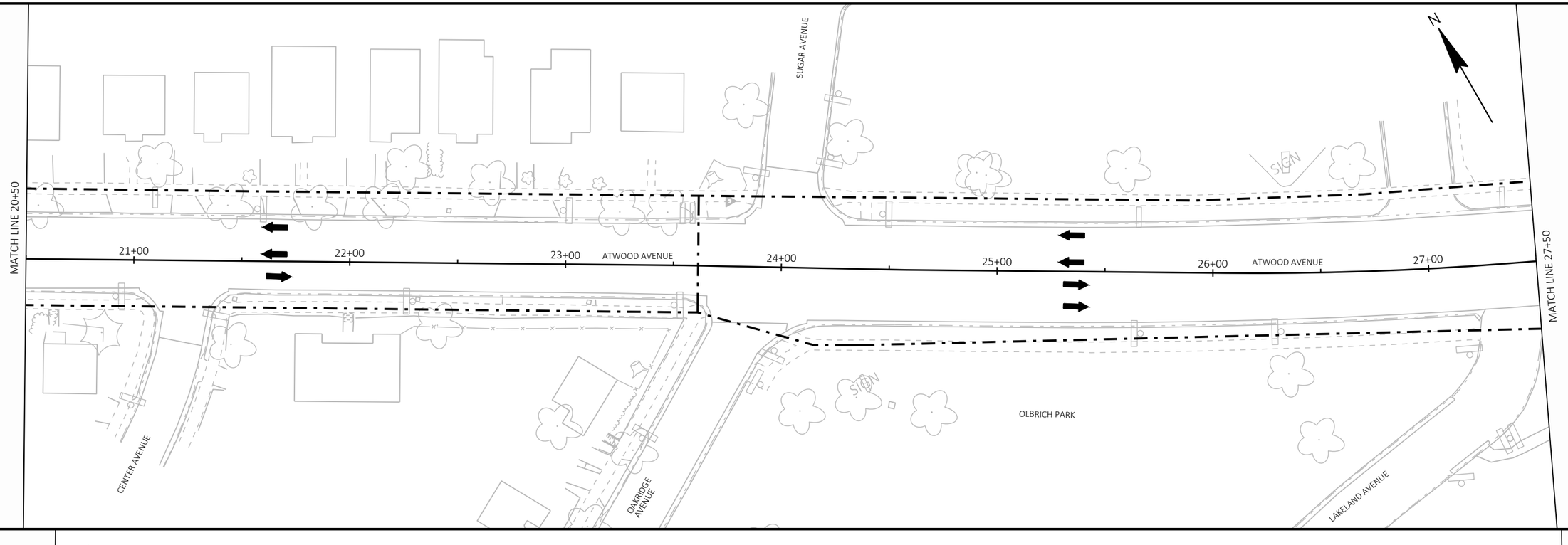


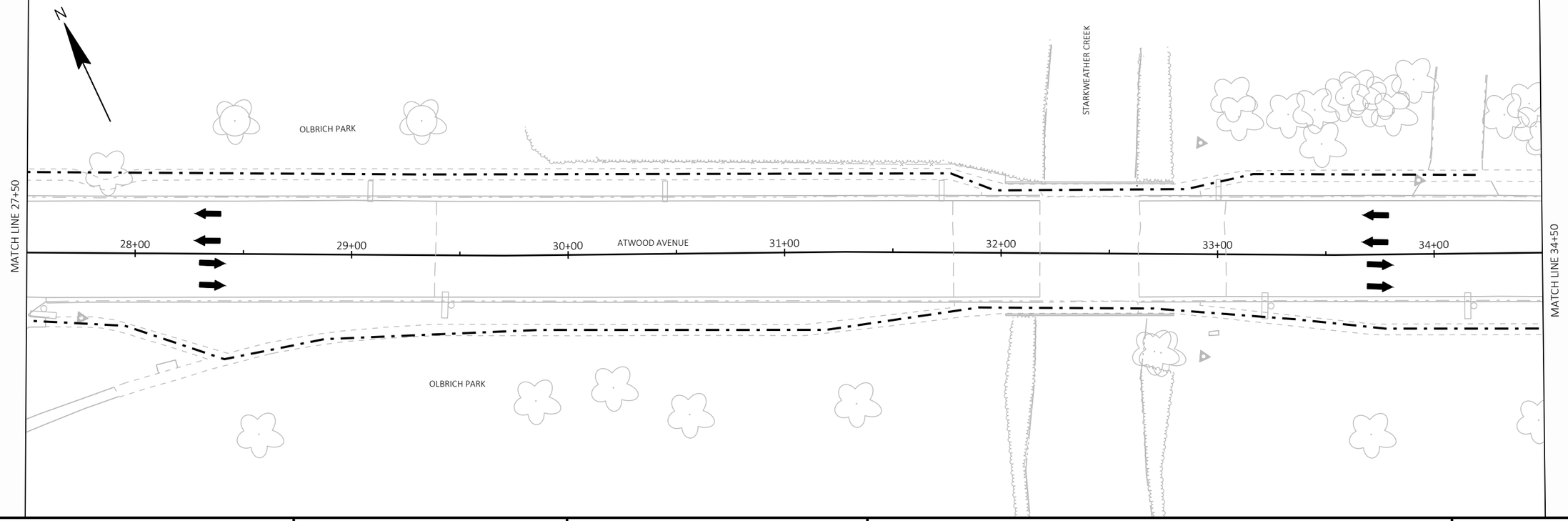
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 2A	SHEET 279	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S2A.DWG
LAYOUT NAME - 26009-1-S2A

PLOT DATE : 9/16/2022 8:15 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



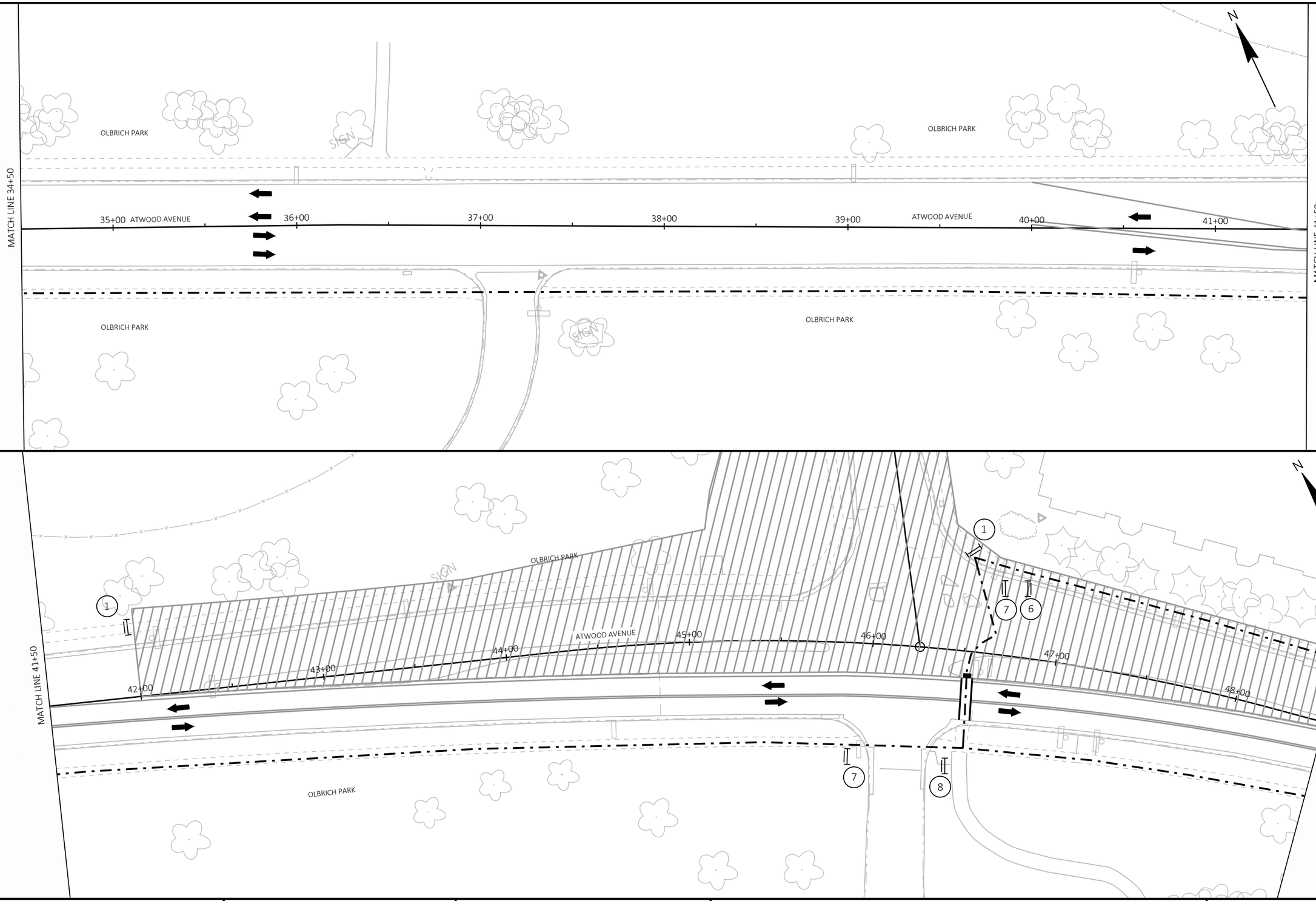


PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 2A	SHEET 280	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S2A.DWG
LAYOUT NAME - 26009-2-S2A

PLOT DATE : 9/16/2022 8:15 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

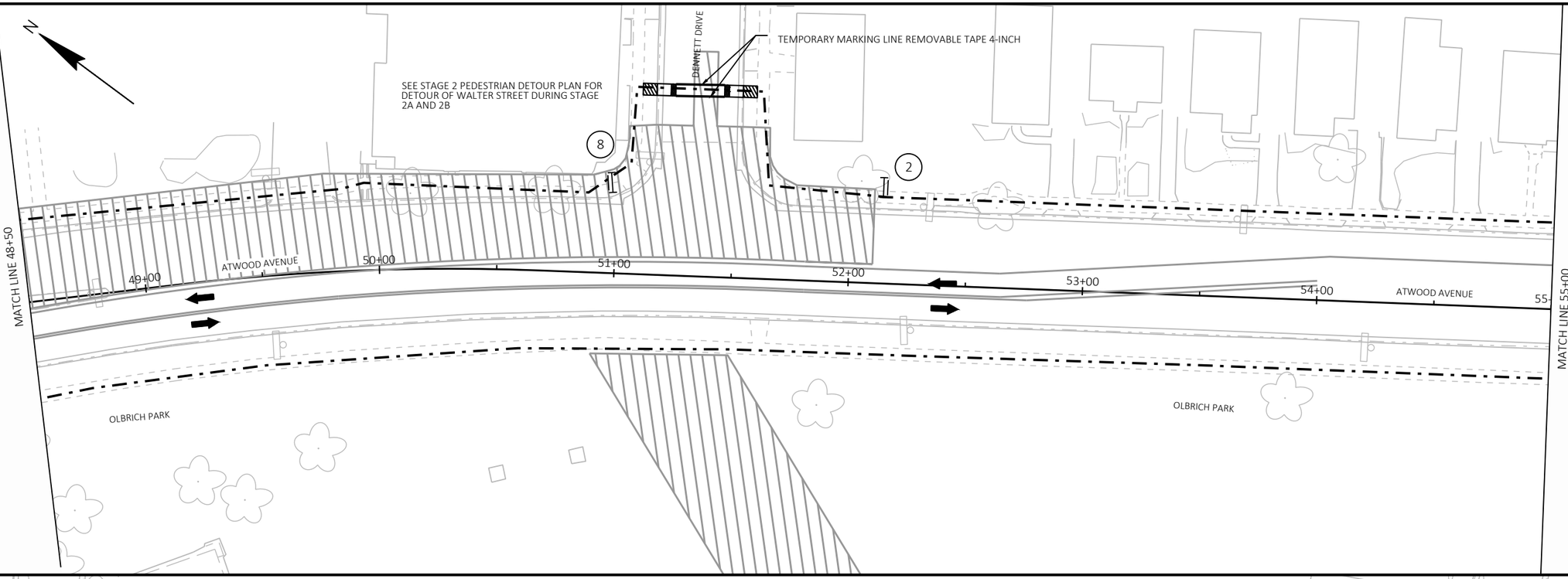


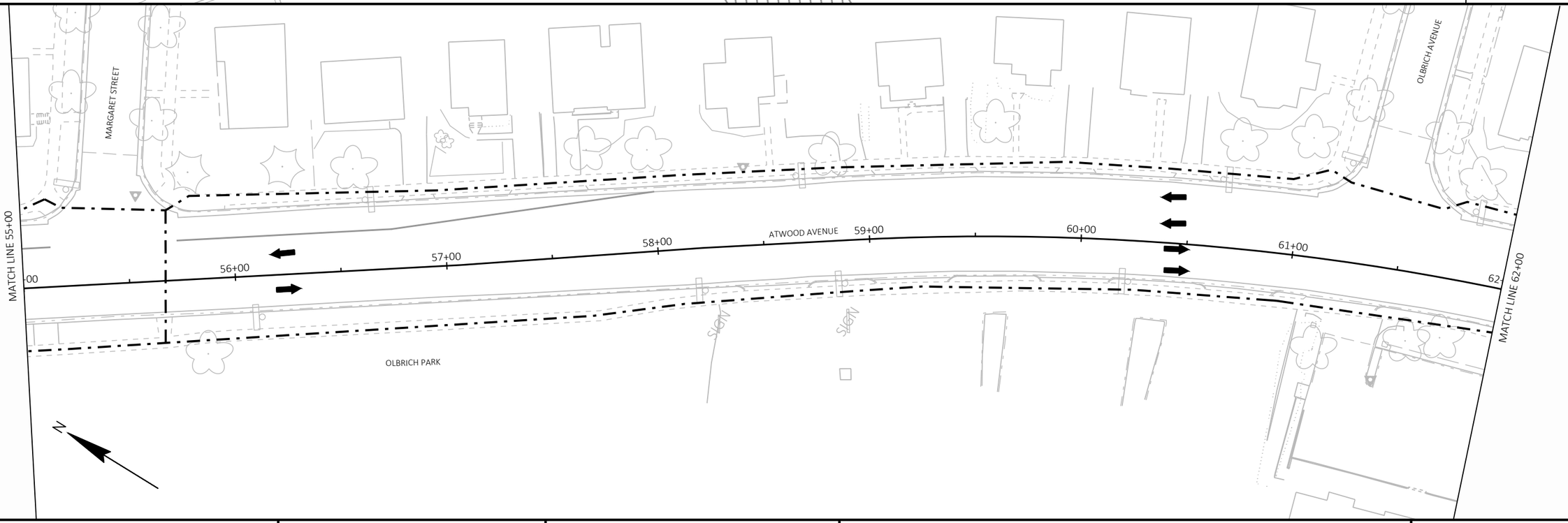
2

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 2A	SHEET 281	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S2A.DWG
LAYOUT NAME - 26009-3-S2A
PLOT DATE : 9/16/2022 8:15 AM
PLOT BY : JAIME KURTEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2





PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 2A	SHEET 282	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S2A.DWG
LAYOUT NAME - 26009-4-S2A

PLOT DATE : 10/12/2022 4:06 PM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

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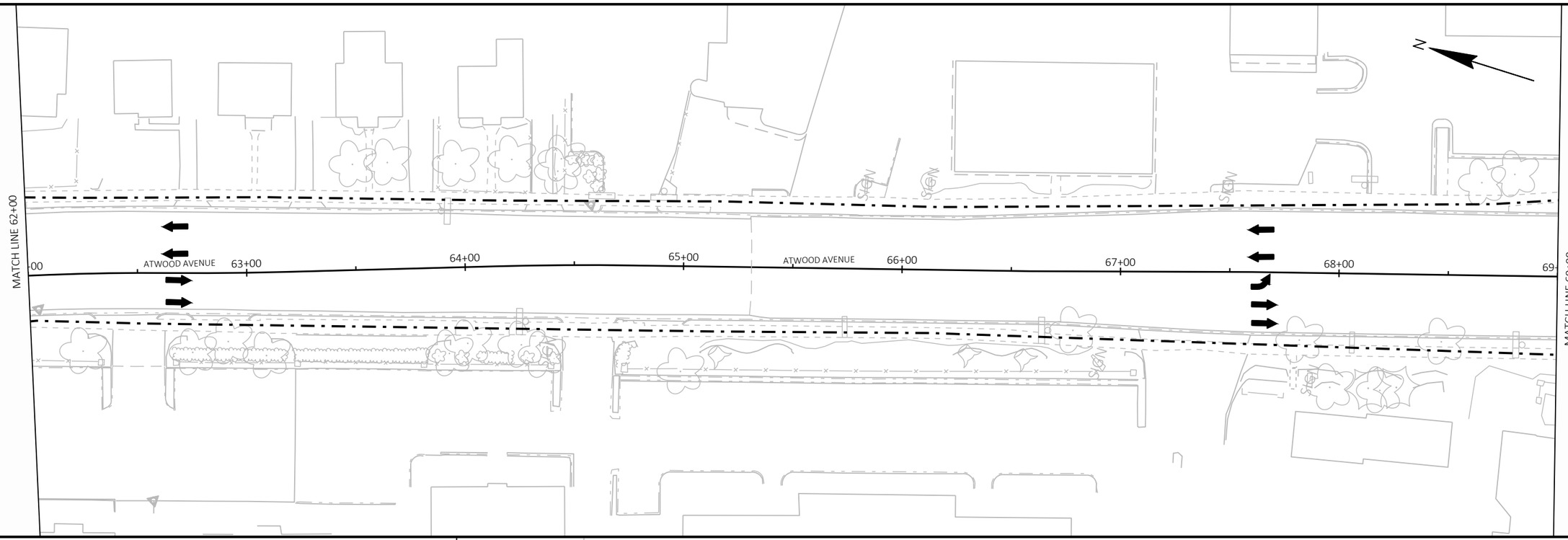
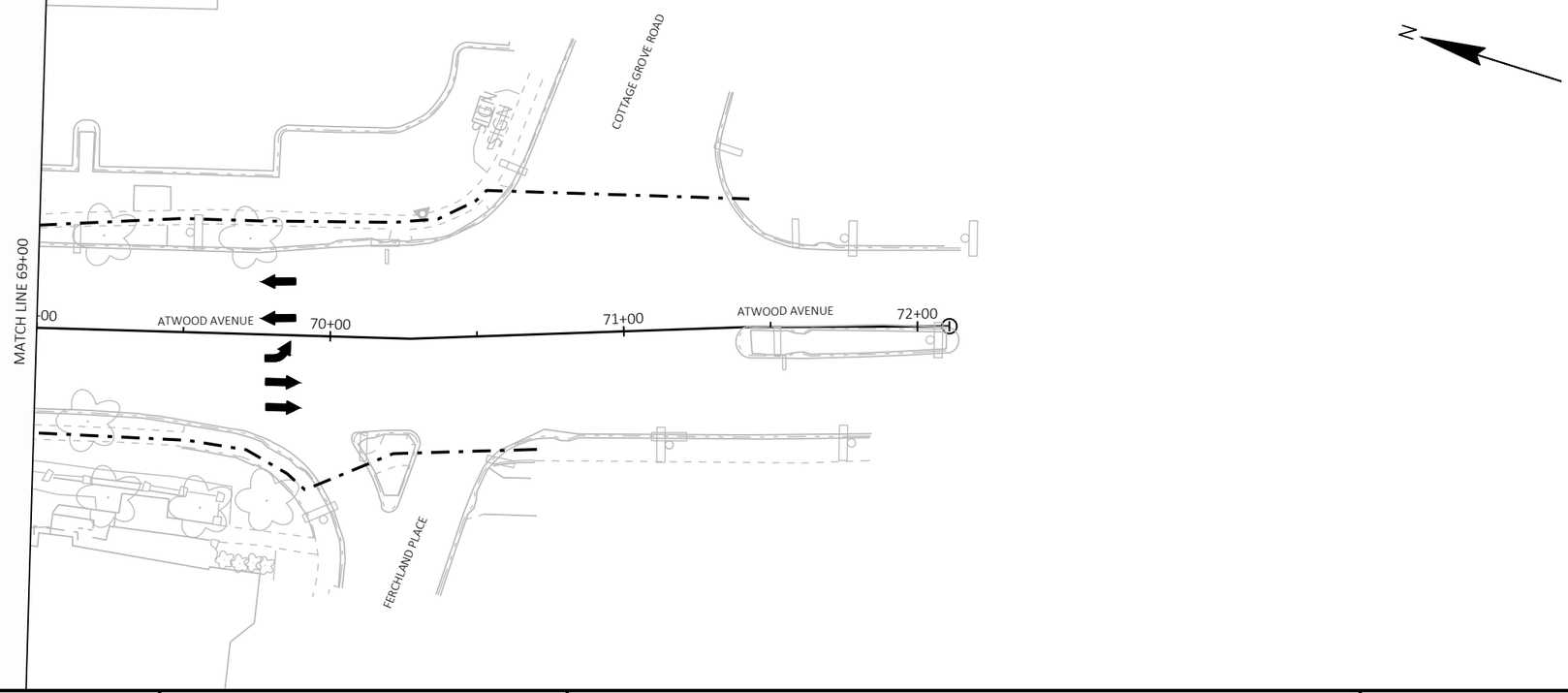




2

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 2A	SHEET 283	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S2A.DWG
LAYOUT NAME - 26009-5-S2A

PLOT DATE : 9/16/2022 8:15 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

2

MAINTAIN ONE CROSSING TO ALLOW PEDESTRIANS TO CROSS ATWOOD AT ALL TIMES

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

SIDEWALK CLOSED SIGN AT WALTER STREET AND HARGROVE STREET- SEE STAGE 2 PEDESTRIAN DETOUR PLAN

SIDEWALK CLOSED AHEAD SIGN AT NORTHEAST CORNER OF WALTER STREET AND SARGENT STREET.

WALTER STREET

JOHNS STREET

LAKELAND AVENUE

LAKELAND AVENUE

BLEACHERS

46+00

47+00

N

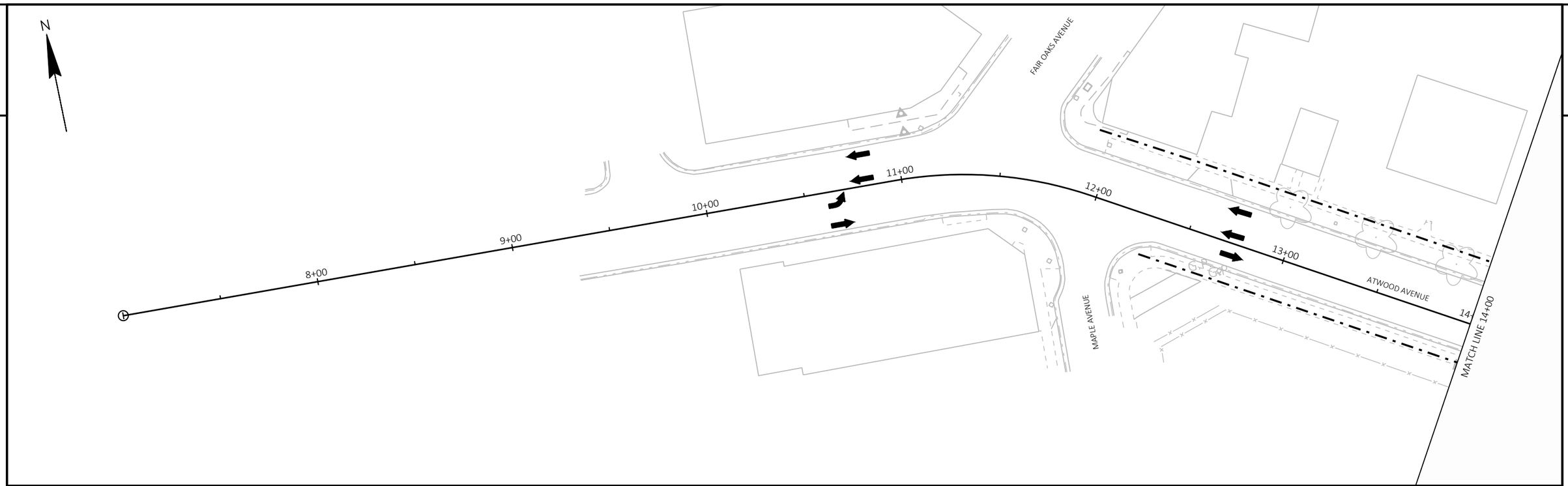
N

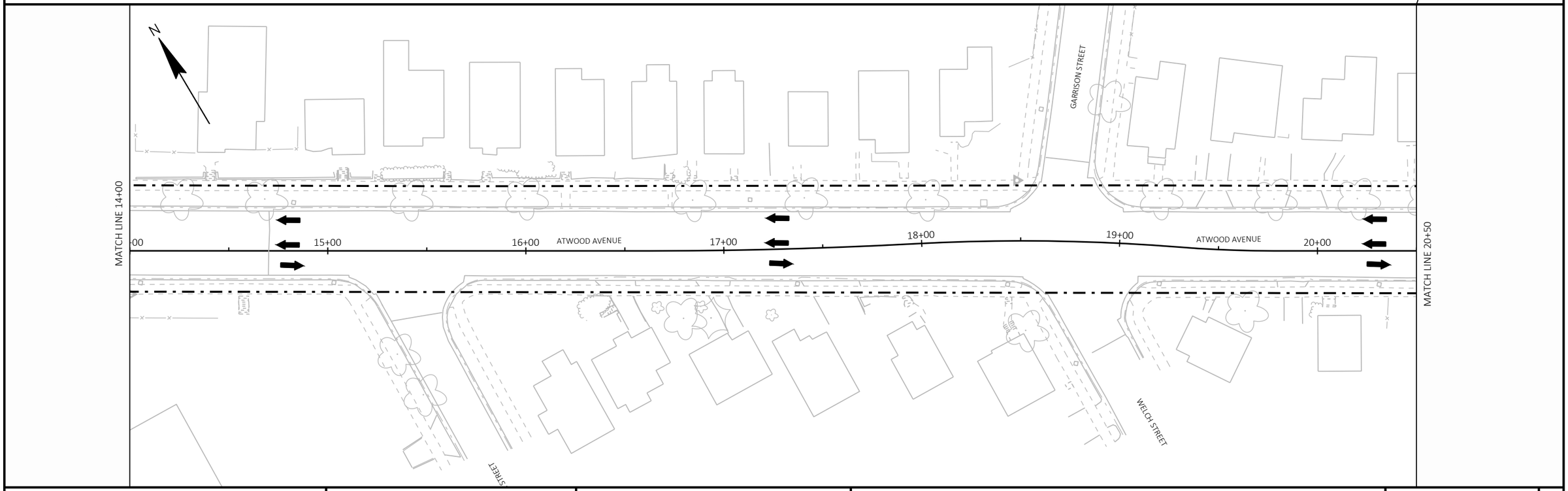
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 2A	SHEET 284	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S2A.DWG
LAYOUT NAME - 26009-6-S2A

PLOT DATE : 9/16/2022 8:15 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44





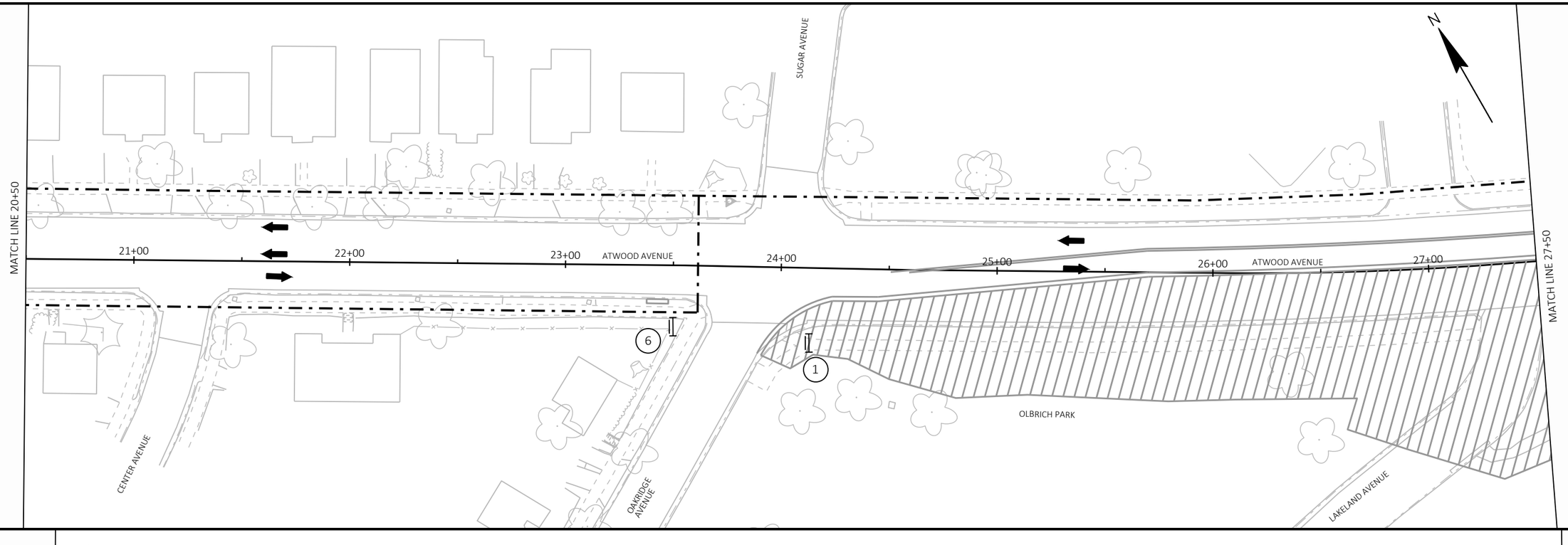
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 2B	SHEET 285	E

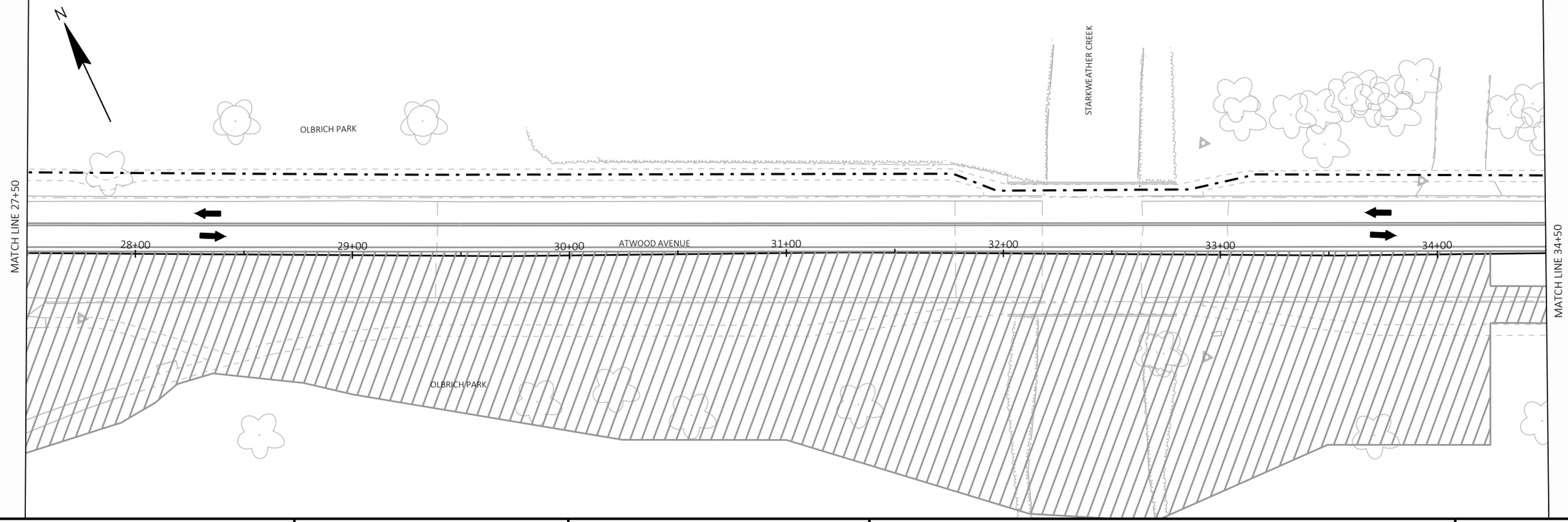
FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S2B.DWG
LAYOUT NAME - 26009-1-S2B

PLOT DATE : 9/16/2022 8:16 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2





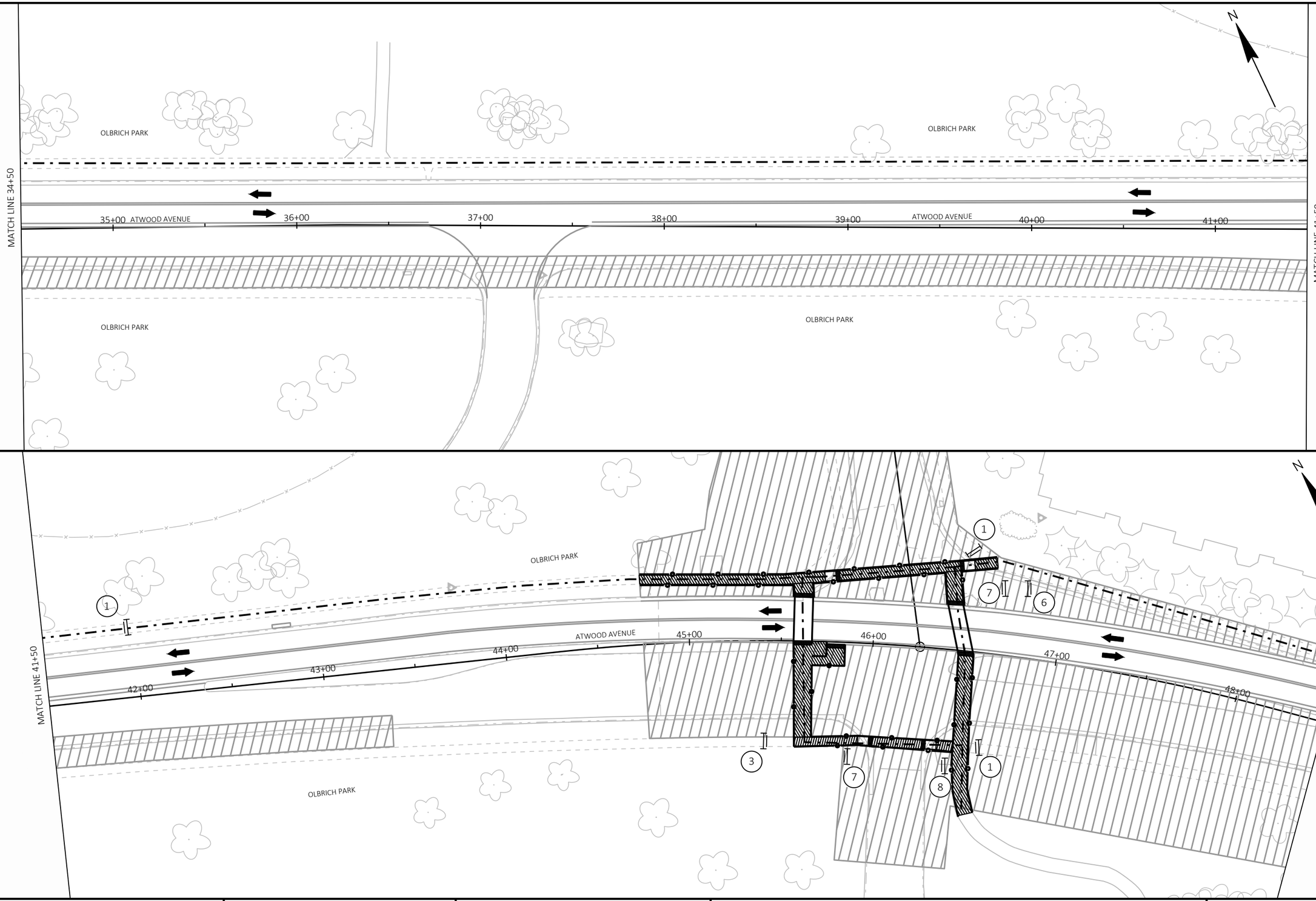
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 2B	SHEET 286	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S2B.DWG
LAYOUT NAME - 26009-2-S2B

PLOT DATE : 9/16/2022 8:16 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2



2

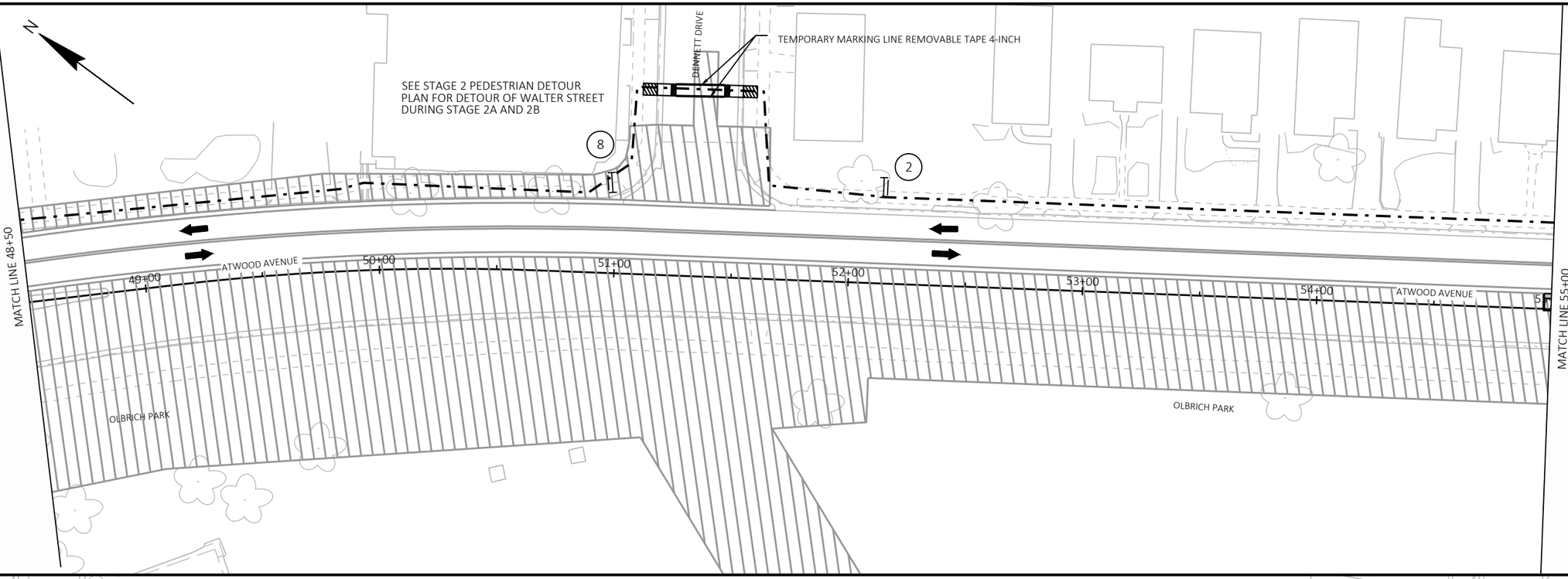
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 2B	SHEET 287	E

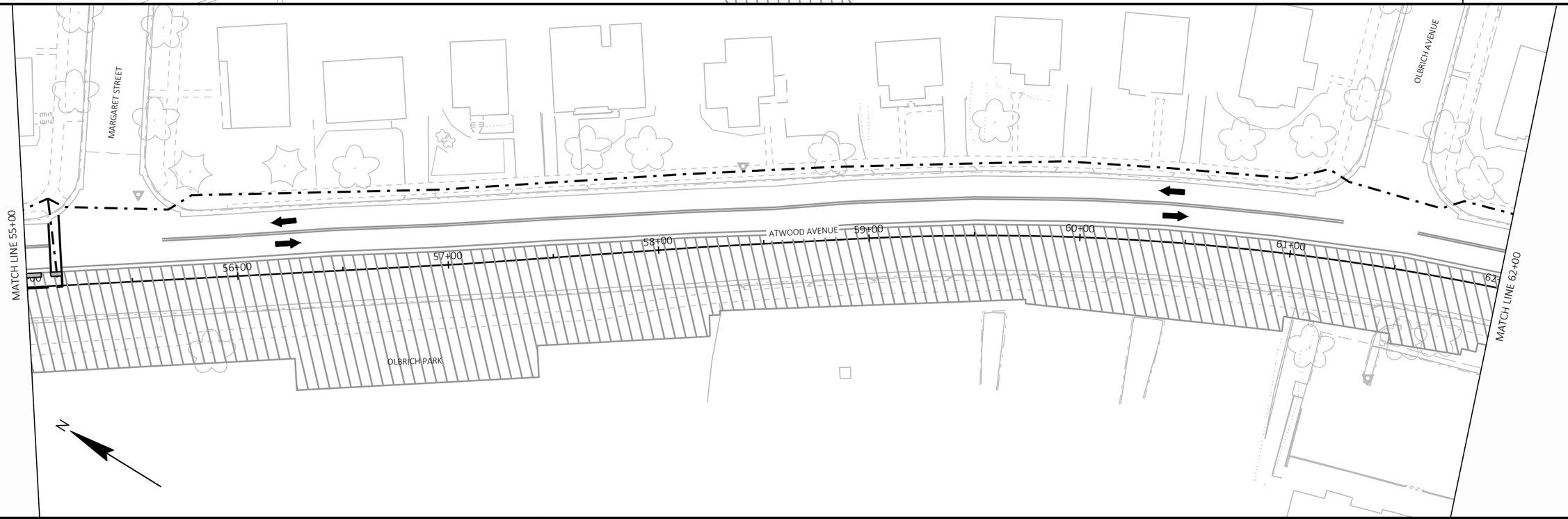
FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S2B.DWG
LAYOUT NAME - 26009-3-S2B

PLOT DATE : 9/16/2022 8:16 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

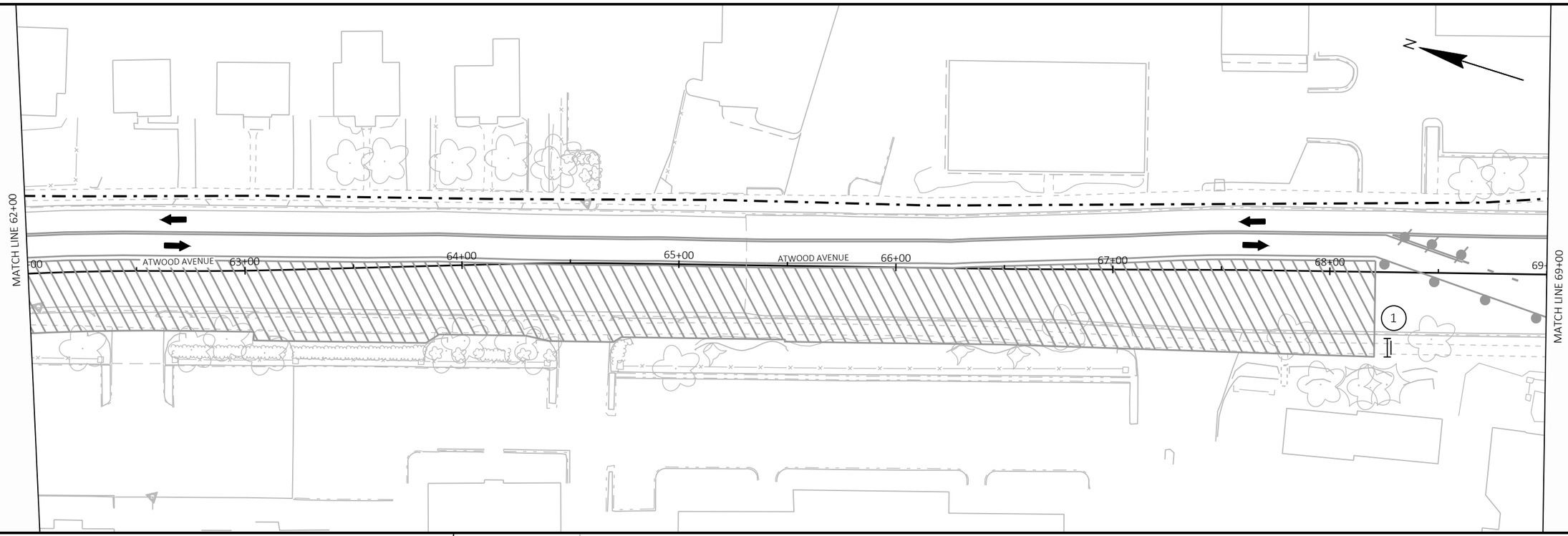
2

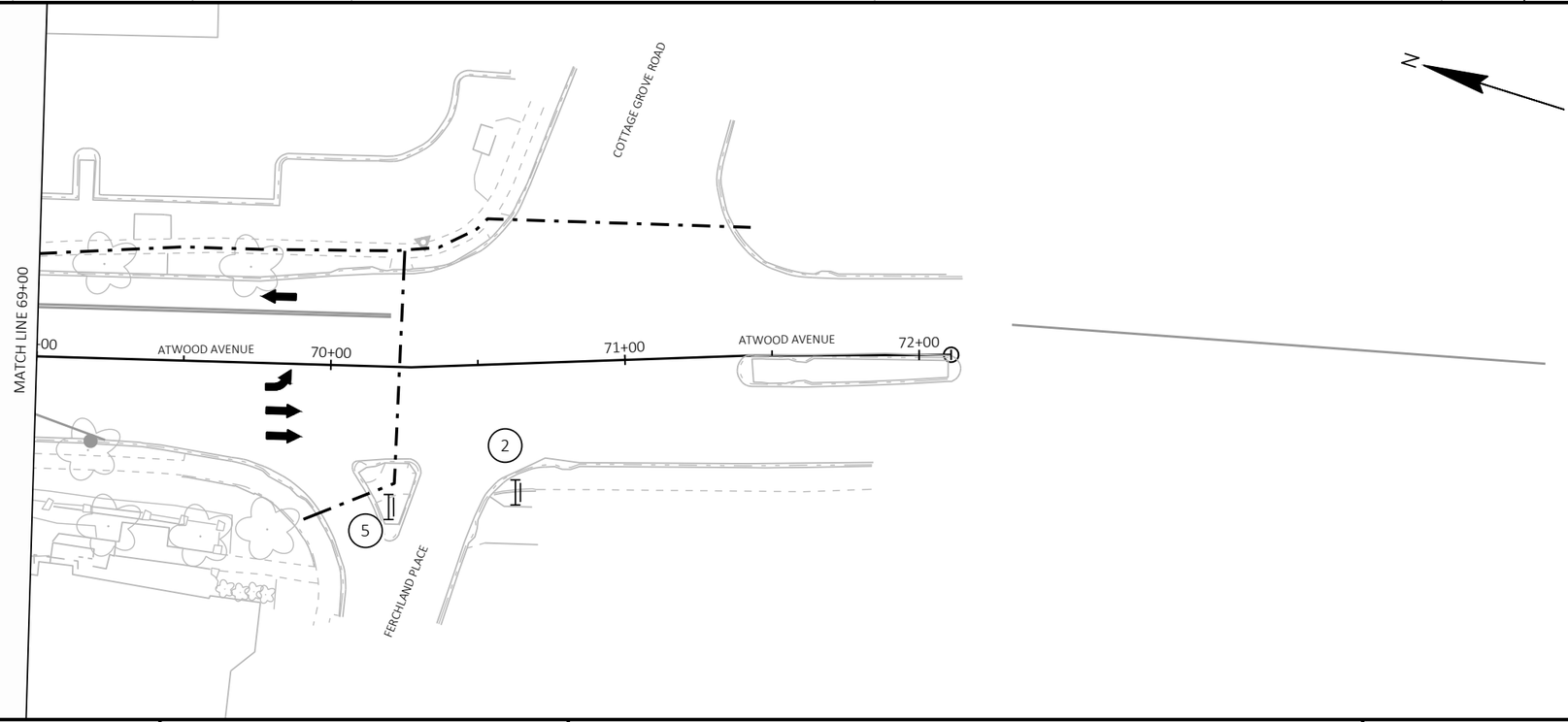




PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 2B	SHEET 288	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S2B.DWG
LAYOUT NAME - 26009-4-S2B
PLOT DATE : 10/12/2022 4:12 PM
PLOT BY : JAIME KURTEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 2B	SHEET 289	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S2B.DWG
LAYOUT NAME - 26009-5-S2B

PLOT DATE : 9/16/2022 8:17 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

N

WALTER STREET

JOHNS STREET

LAKELAND AVENUE

LAKELAND AVENUE

BLEACHERS

46+00

47+00

3

8

1

7

6

1

2

2

2

2

2

2

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

MAINTAIN ONE CROSSING TO ALLOW PEDESTRIANS TO CROSS ATWOOD AT ALL TIMES

SIDEWALK CLOSED SIGN AT WALTER STREET AND HARGROVE STREET- SEE STAGE 2 PEDESTRIAN DETOUR PLAN

SIDEWALK CLOSED SIGN AT WALTER STREET AND HARGROVE STREET- SEE STAGE 2 PEDESTRIAN DETOUR PLAN

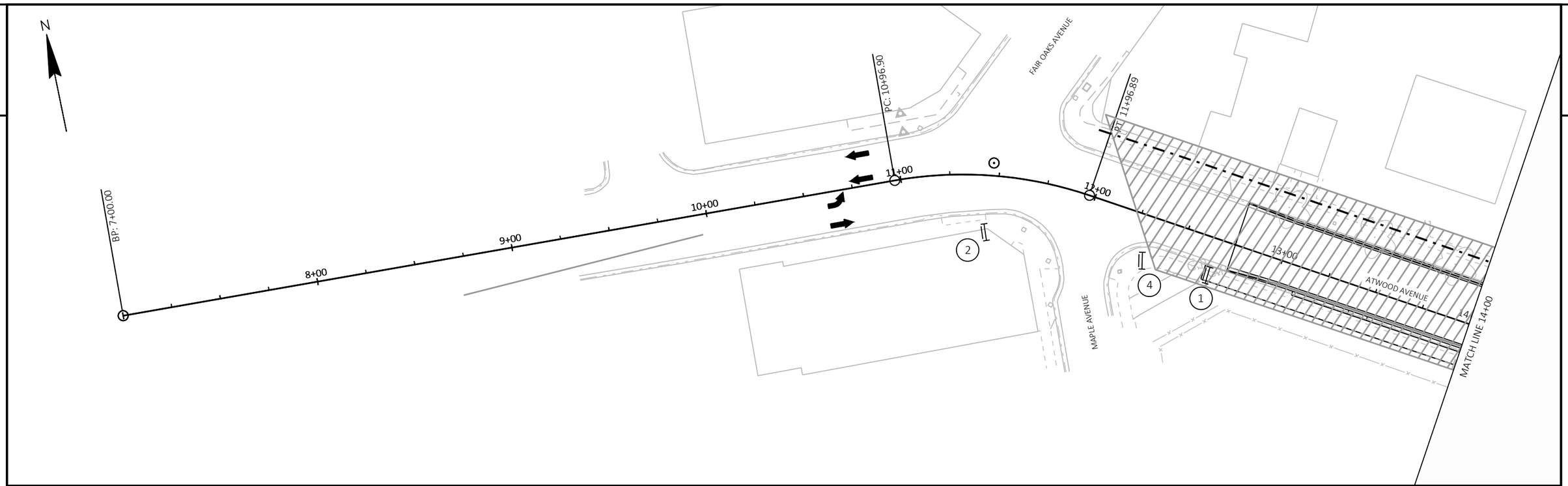
SIDEWALK CLOSED AHEAD SIGN AT NORTHEAST CORNER OF WALTER STREET AND SARGENT STREET.

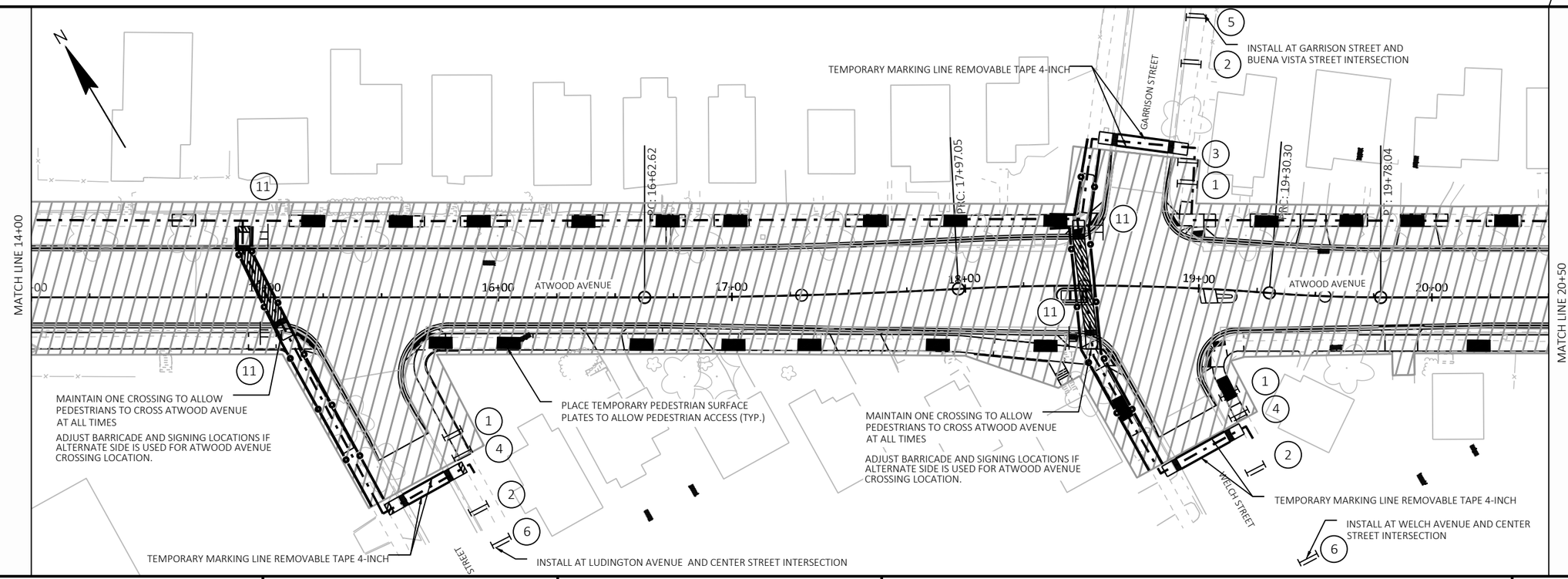
N

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 2B	SHEET 290	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S2B.DWG
LAYOUT NAME - 26009-6-S2B

PLOT DATE : 9/16/2022 8:17 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT





PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 3A	SHEET 291	E

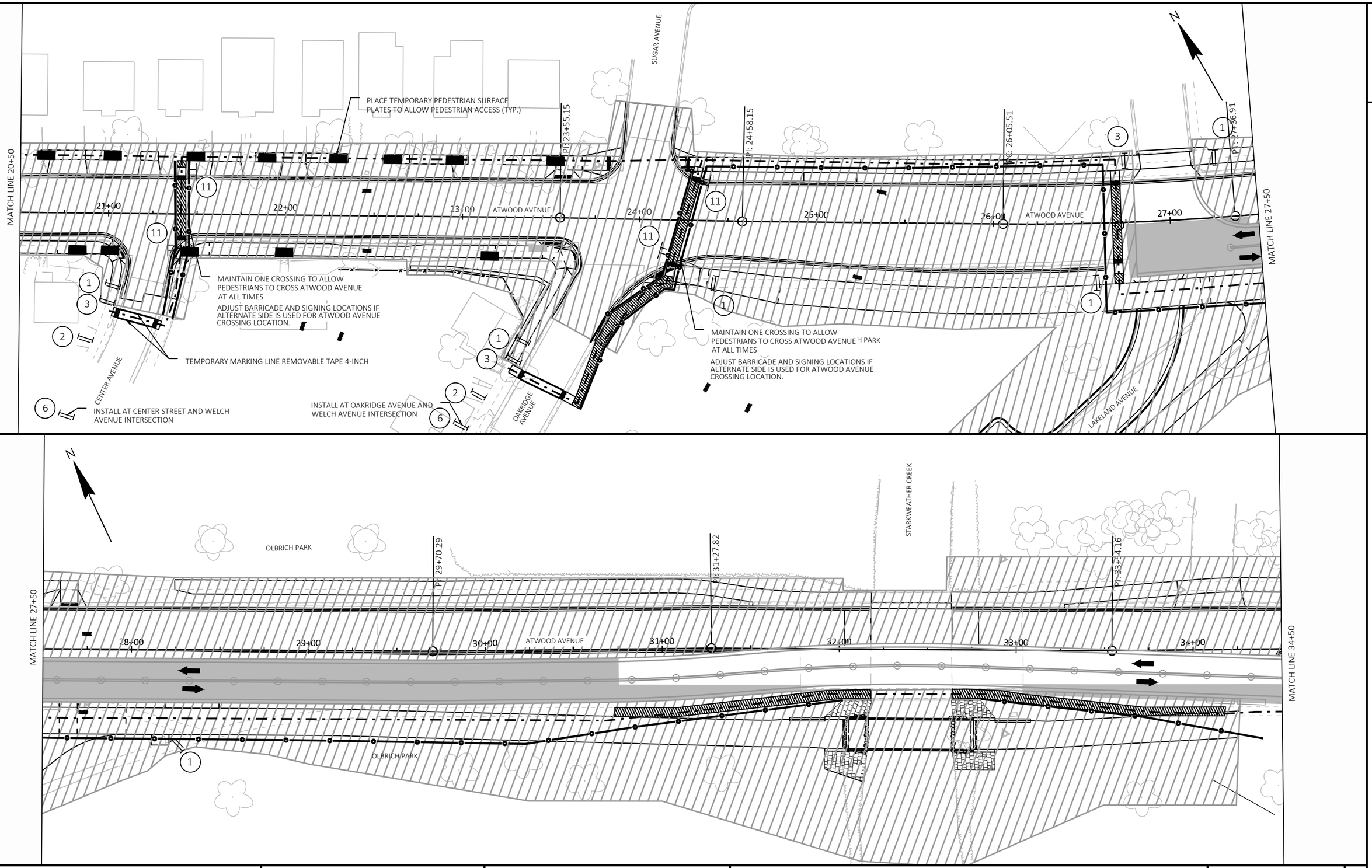
FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S3A.DWG
LAYOUT NAME - 26009-1-S3A

PLOT DATE : 9/16/2022 8:18 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

2



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 3A	SHEET 292	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S3A.DWG
LAYOUT NAME - 26009-2-S3A

PLOT DATE : 9/16/2022 8:18 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

2

N

MATCH LINE 34+50

MATCH LINE 41+50

OLBRICH PARK

OLBRICH PARK

PC=36+23.49

35+00 ATWOOD AVENUE

36+00

37+00

38+00

39+00

ATWOOD AVENUE

40+00

41+00

OLBRICH PARK

OLBRICH PARK

1

1

N

MATCH LINE 41+50

MATCH LINE 48+50

PC=44+29.97

OLBRICH PARK

42+00

43+00

44+00

ATWOOD AVENUE

45+00

46+00

47+00

48+00

PT=48+17.26

1

1

3

11

11

11

11

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

MAINTAIN A MINIMUM OF ONE CROSSING TO ALLOW PEDESTRIANS TO CROSS ATWOOD AVENUE AT ALL TIMES

ADJUST BARRICADE AND SIGNING LOCATIONS IF ALTERNATE SIDE IS USED FOR ATWOOD AVENUE CROSSING LOCATION.

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

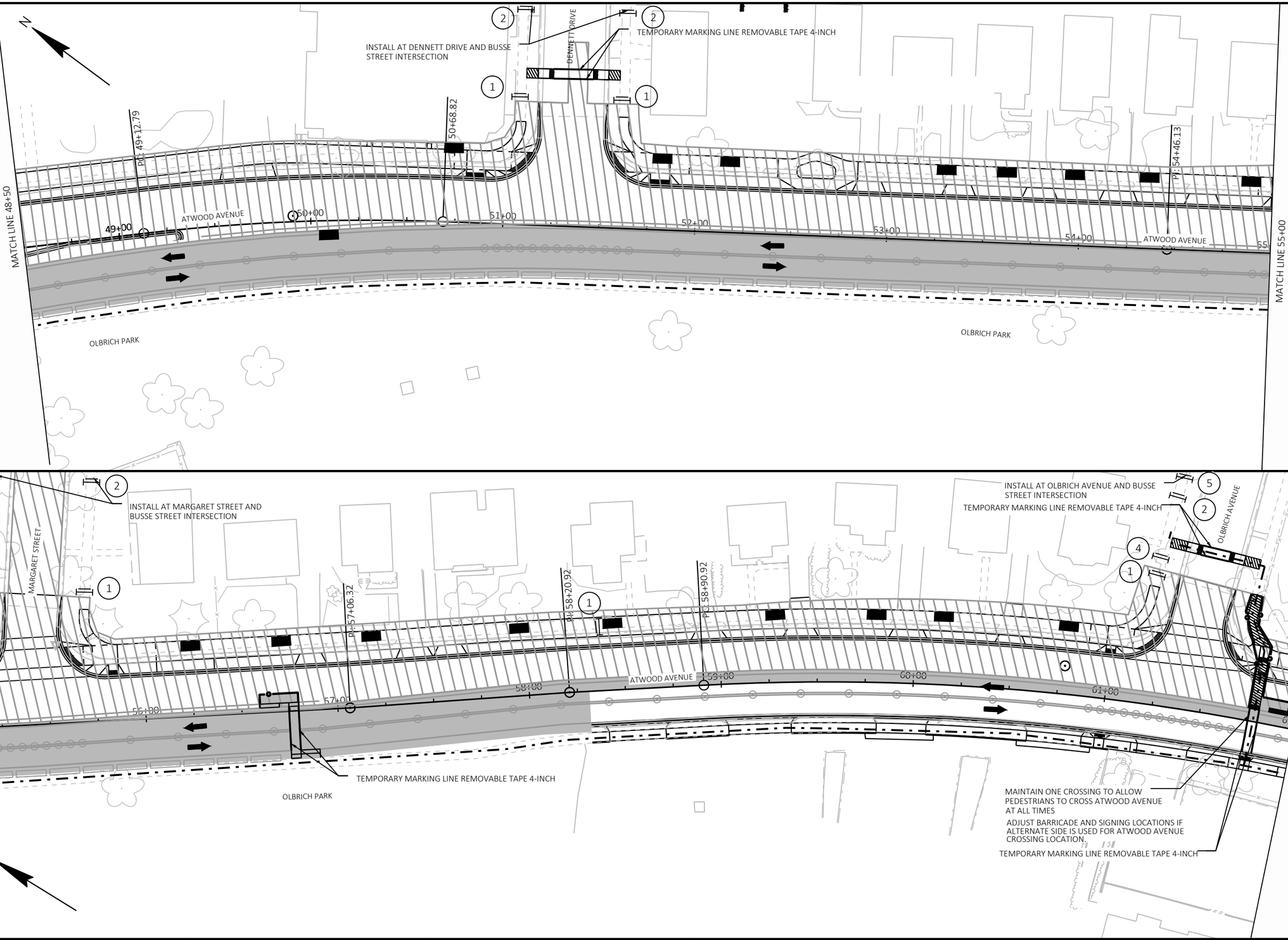
OLBRICH PARK

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 3A	SHEET 293	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S3A.DWG
LAYOUT NAME - 26009-3-S3A

PLOT DATE : 9/16/2022 8:18 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

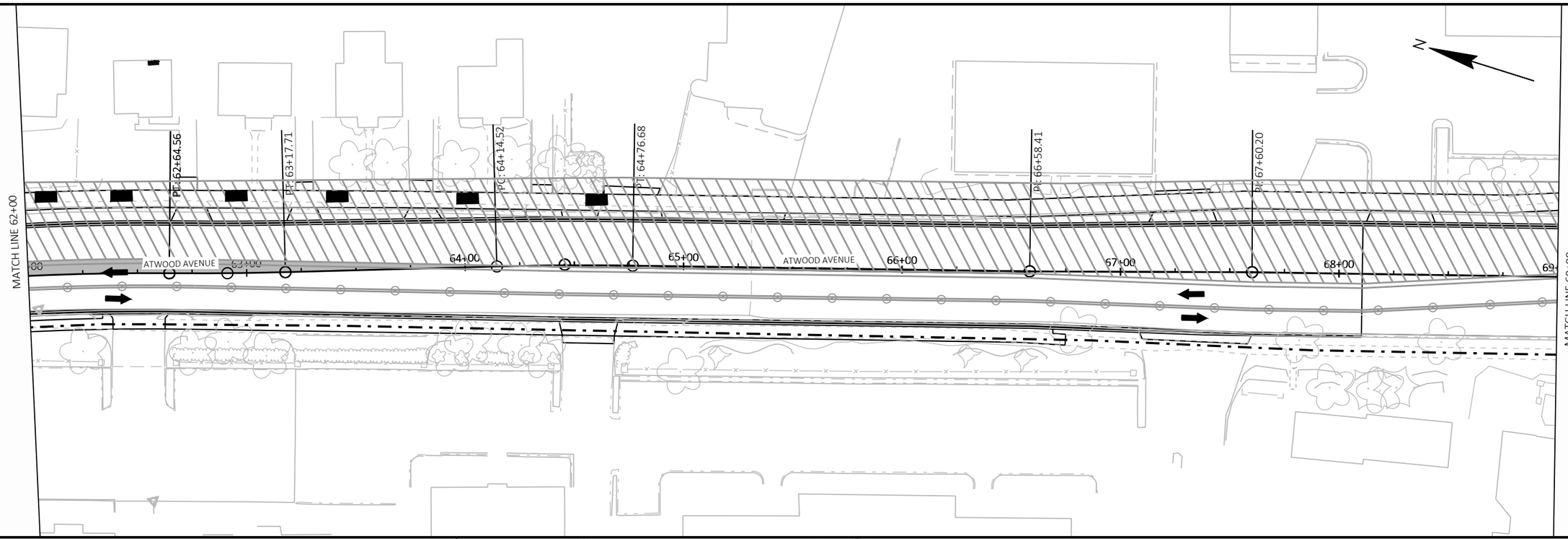


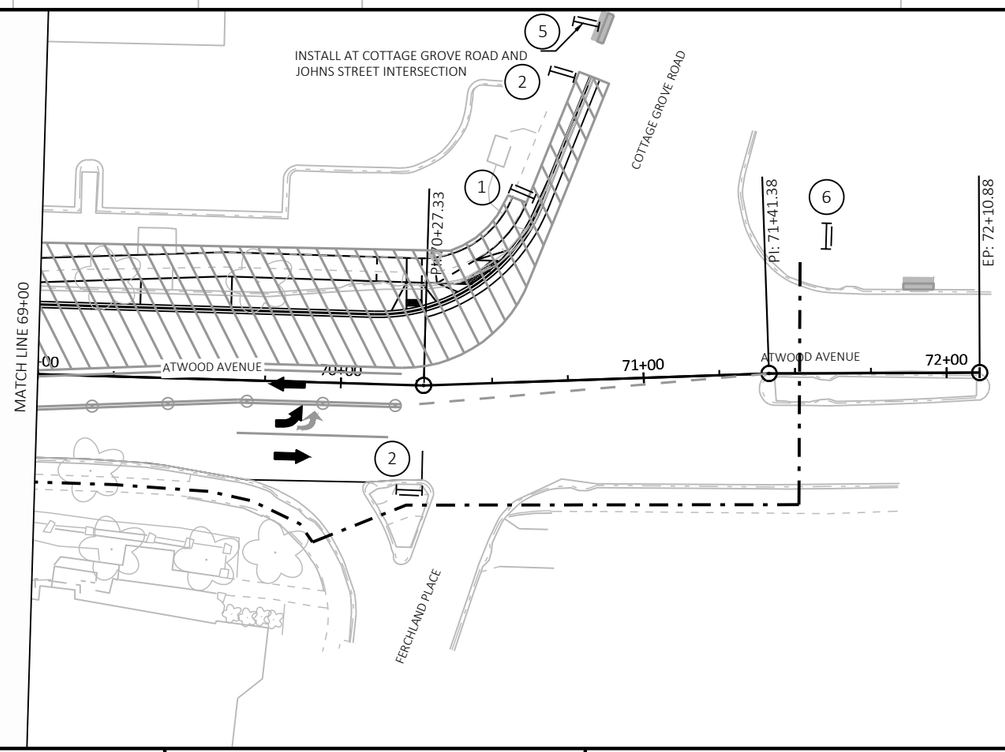
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 3A	SHEET 294	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S3A.DWG
LAYOUT NAME - 26009-4-S3A

PLOT DATE : 10/13/2022 1:37 PM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

2





PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 3A	SHEET 295	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S3A.DWG
LAYOUT NAME - 26009-5-S3A

PLOT DATE : 9/16/2022 8:18 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

MAINTAIN A MINIMUM OF ONE CROSSING
TO ALLOW PEDESTRIANS TO CROSS ATWOOD
AT ALL TIMES

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

WALTER STREET

JOHNS STREET

LAKELAND AVENUE

LAKELAND AVENUE

BLEACHERS

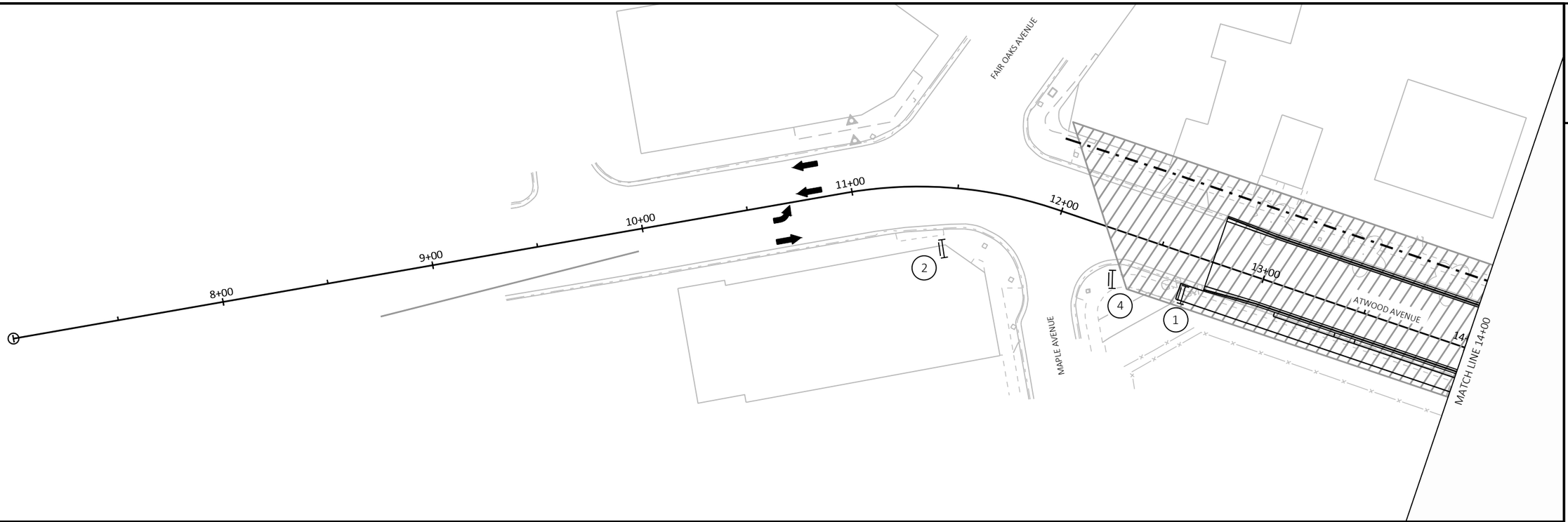
PATH CLOSED
R11-2 (MOD)
48"X30"

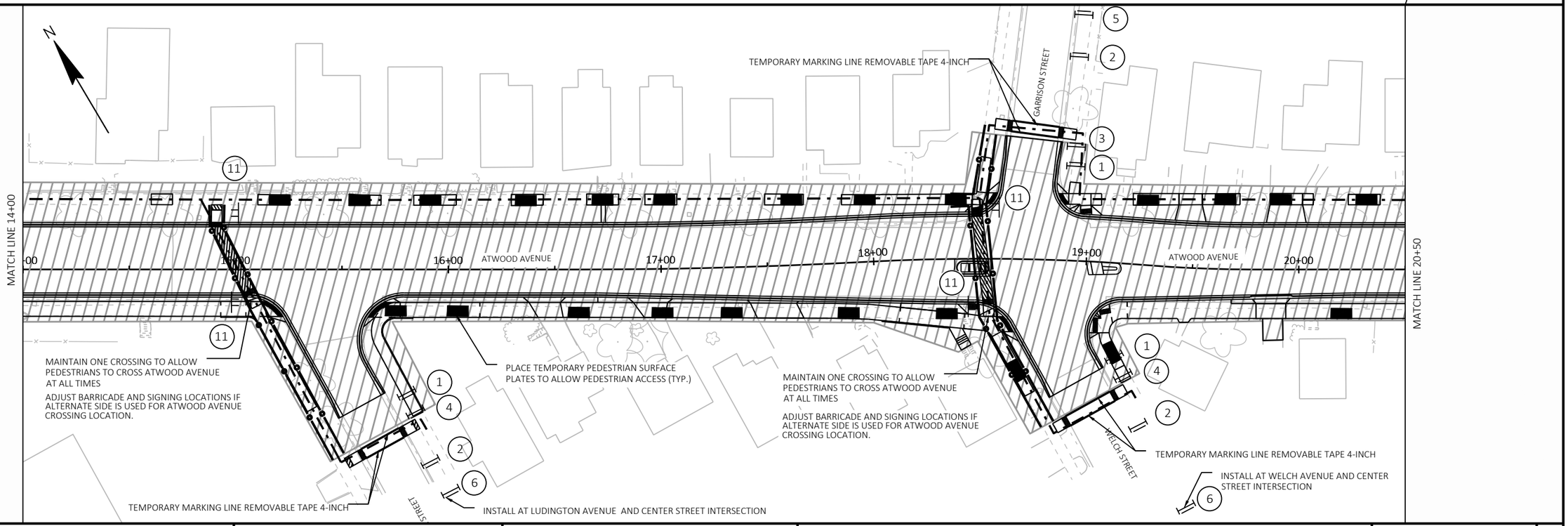
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 3A	SHEET 296	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S3A.DWG
LAYOUT NAME - 26009-6-S3A

PLOT DATE : 9/16/2022 8:19 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44



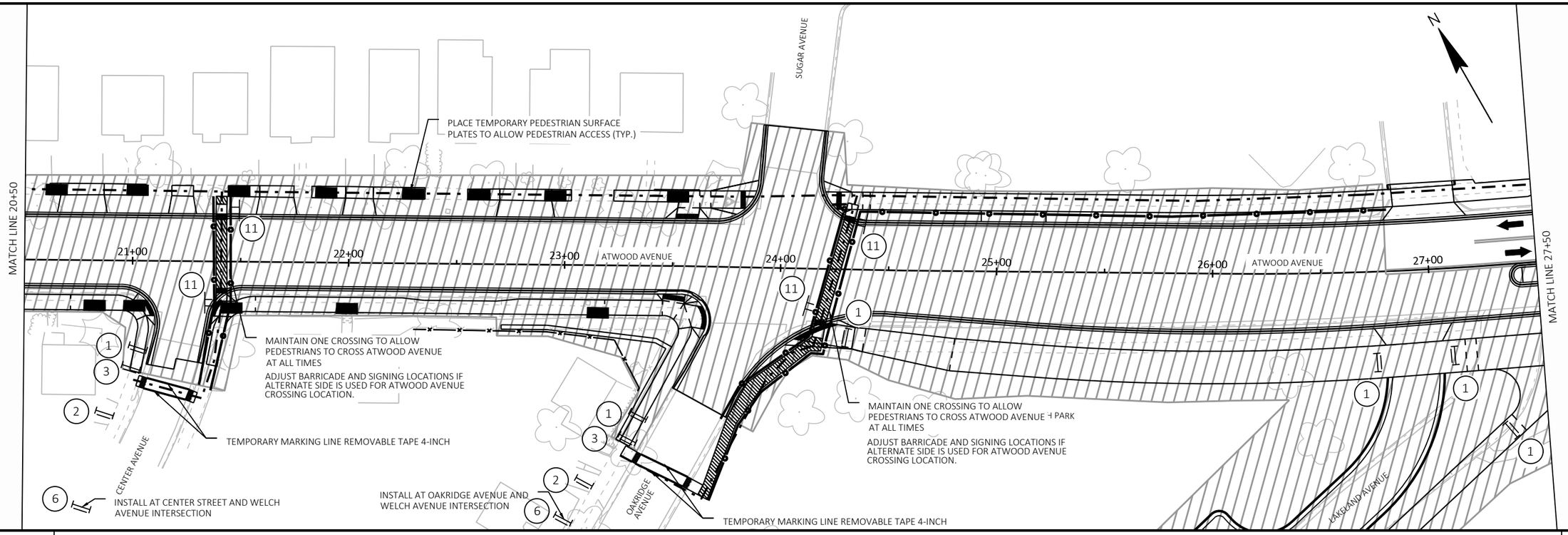


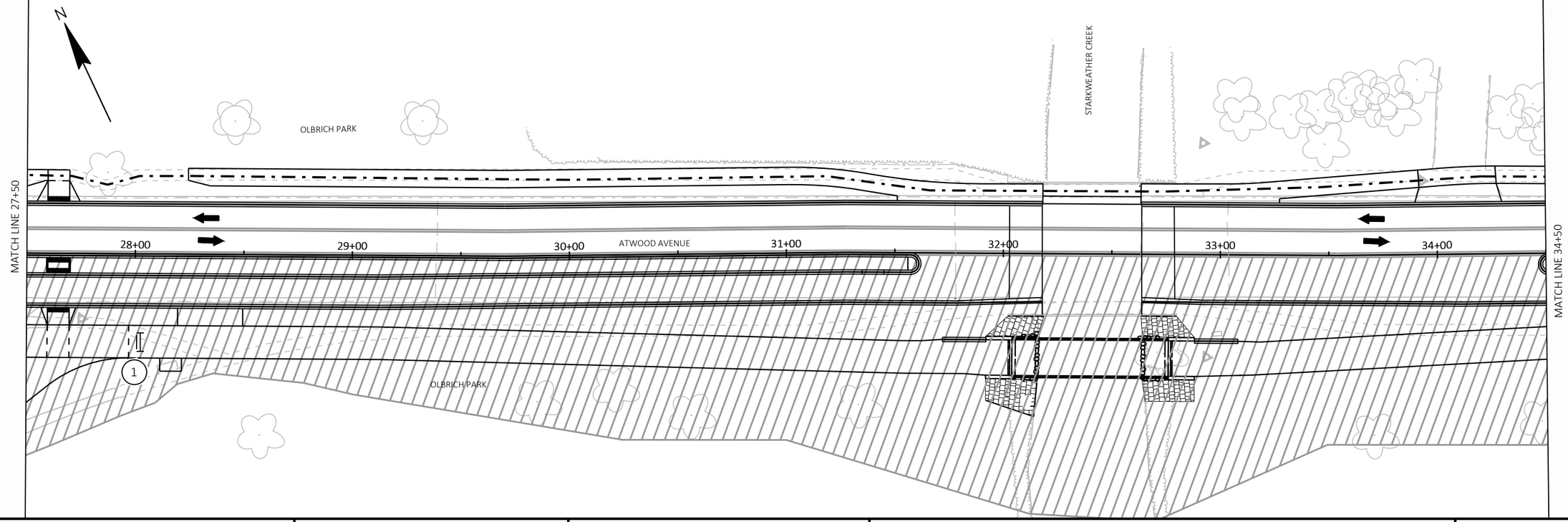
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 3B/C	SHEET 297	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S3B.DWG
LAYOUT NAME - 26009-1-S3B

PLOT DATE : 9/16/2022 8:19 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

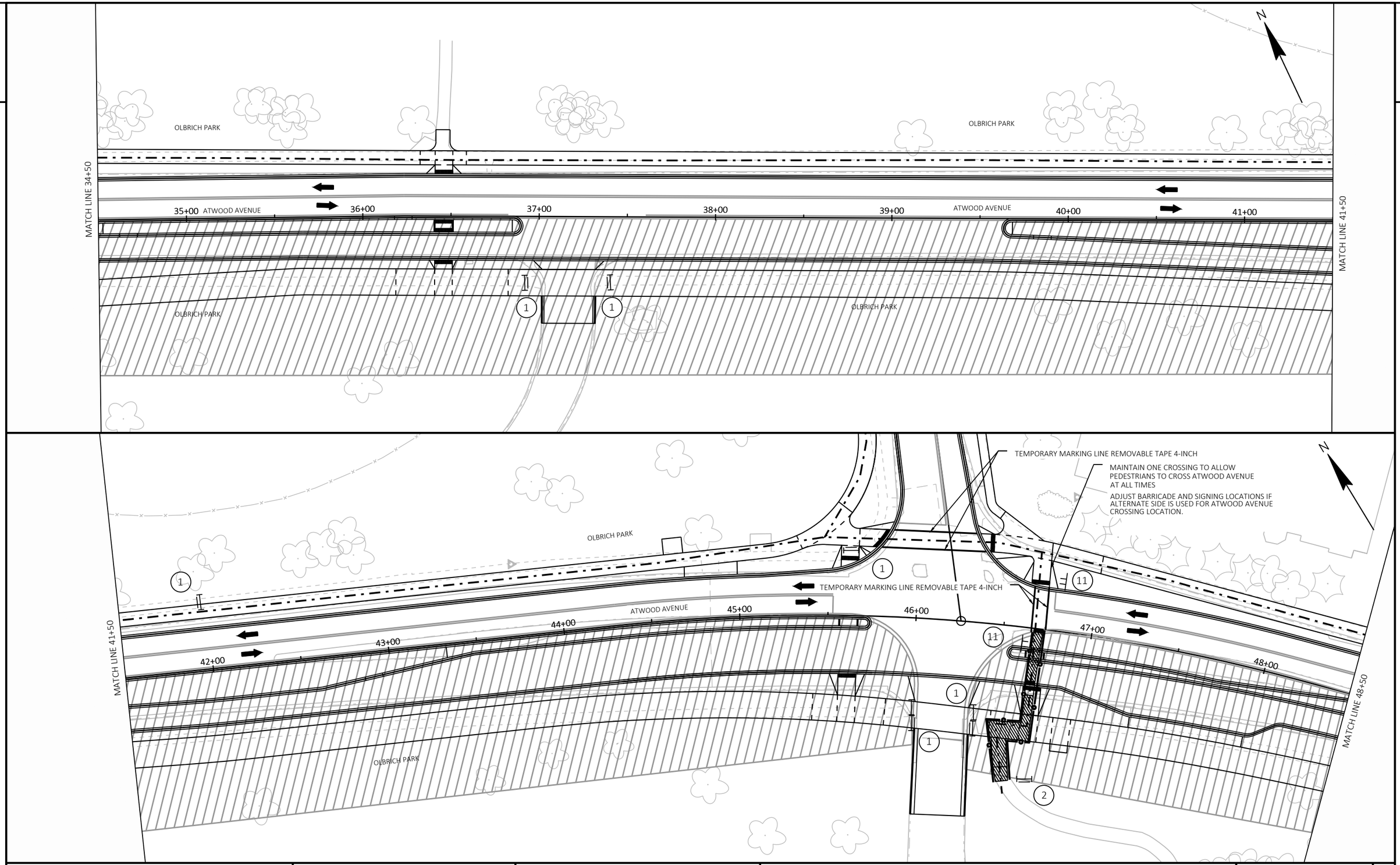




PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 3B/C	SHEET 298	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S3B.DWG
LAYOUT NAME - 26009-2-S3B

PLOT DATE : 9/16/2022 8:20 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

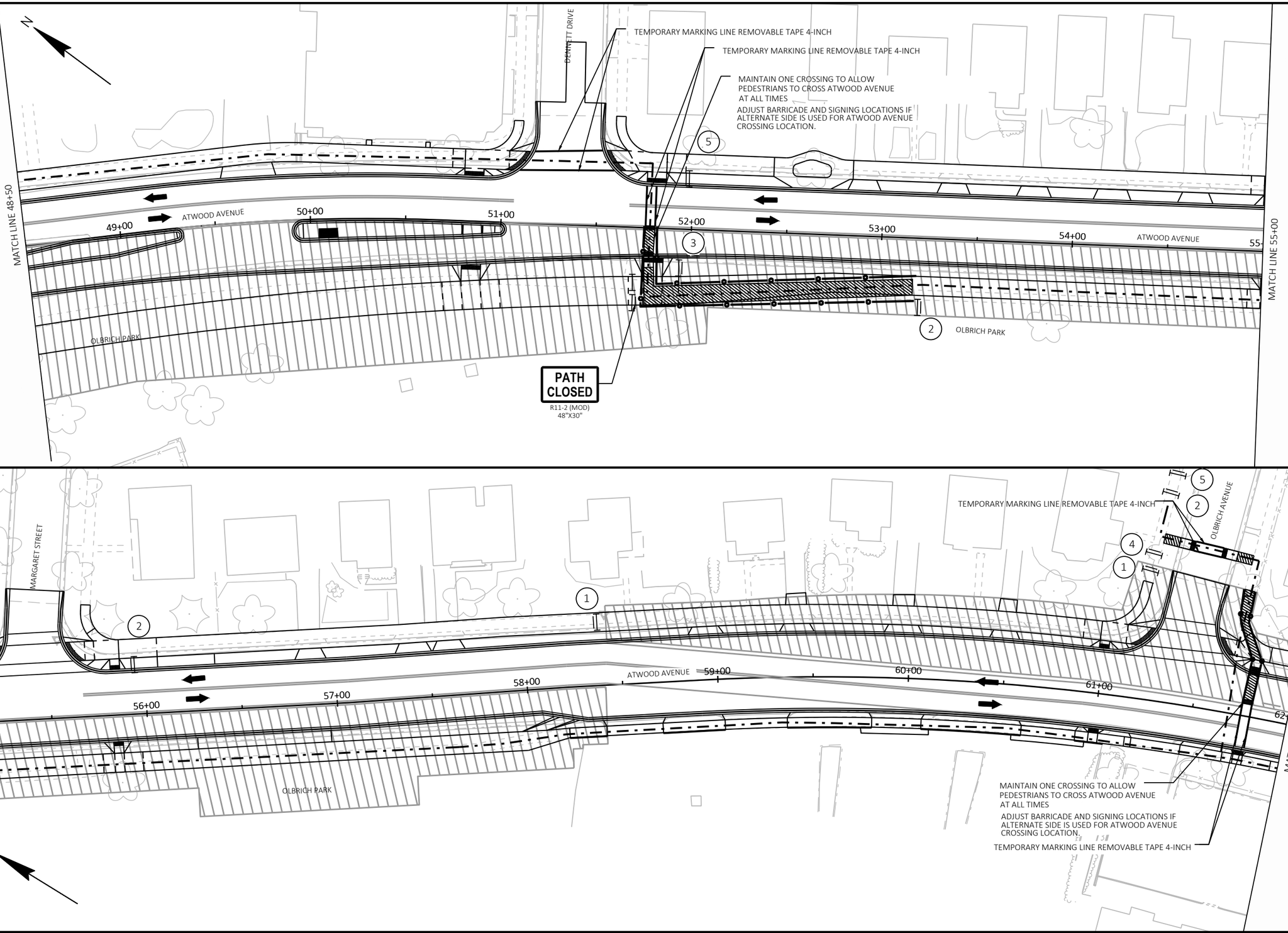


PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 3B/C	SHEET 299	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S3B.DWG
LAYOUT NAME - 26009-3-S3B

PLOT DATE : 9/16/2022 8:20 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

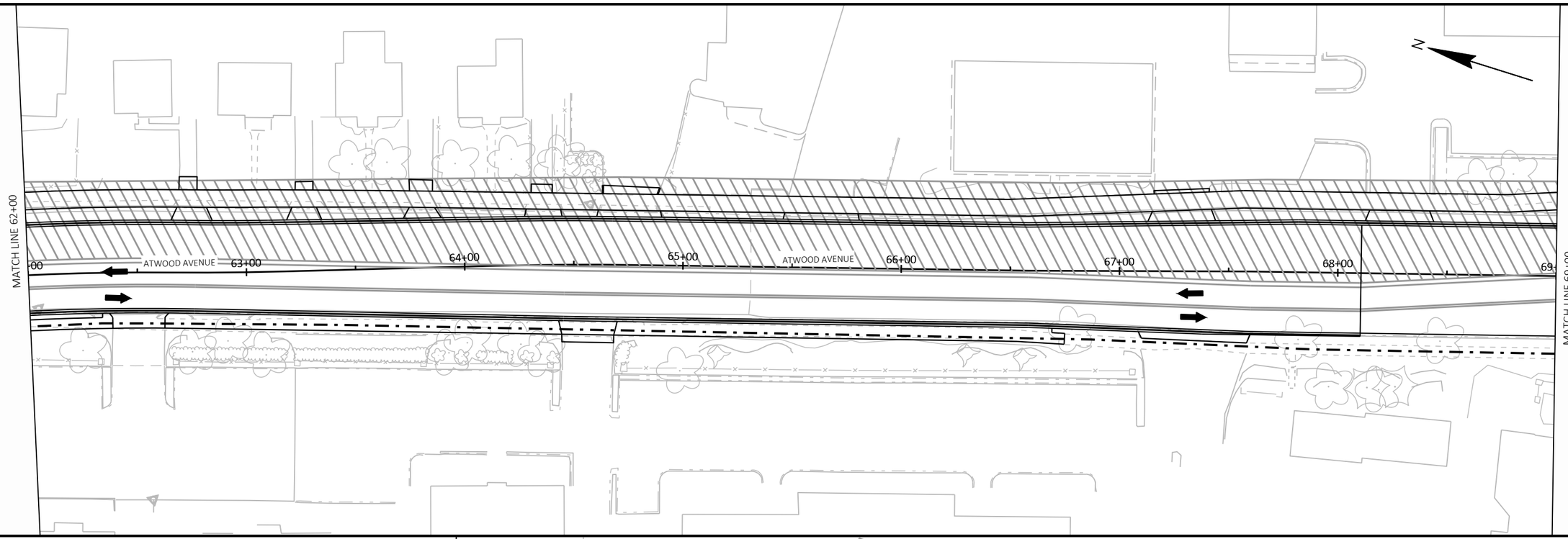


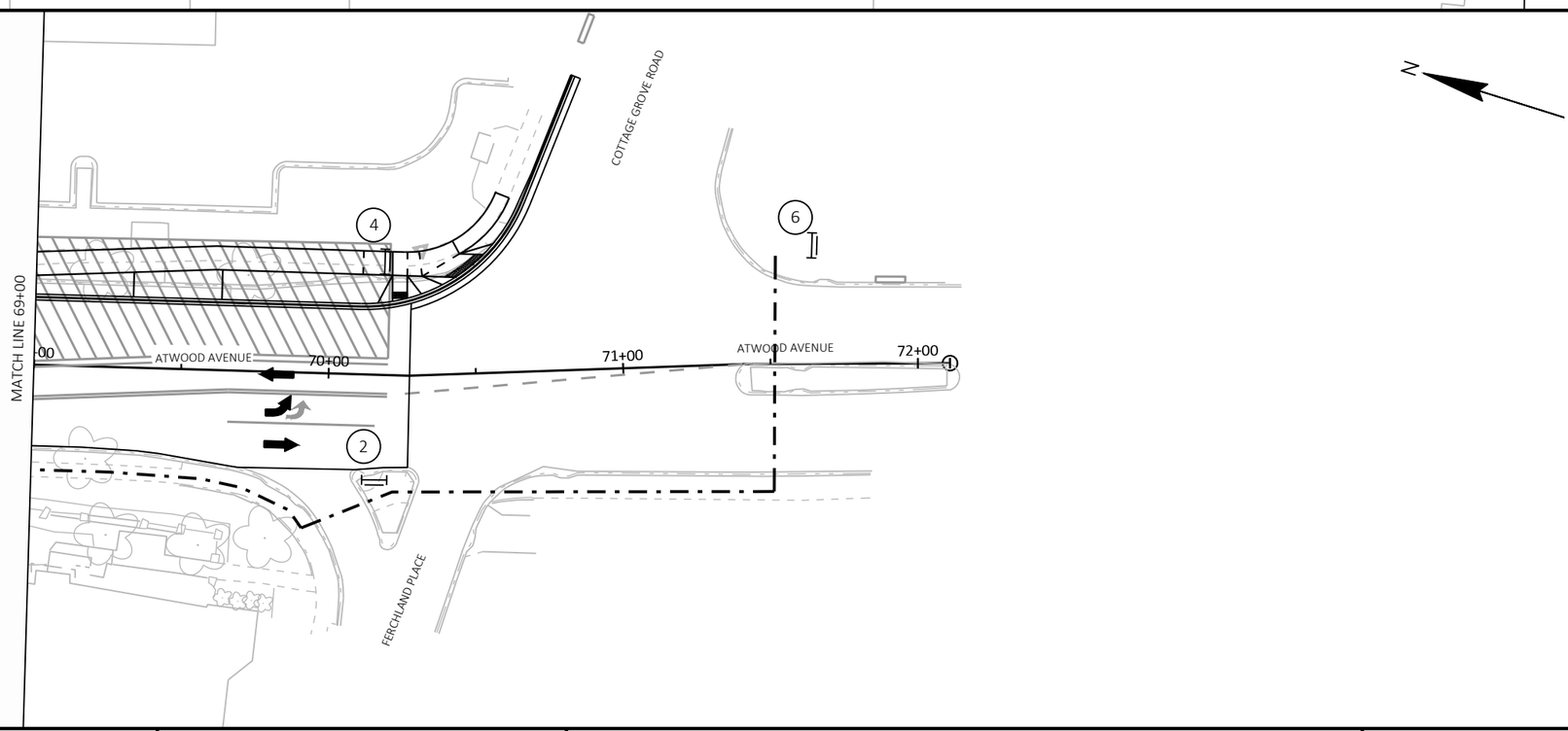
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 3B/C	SHEET 300	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S3B.DWG
LAYOUT NAME - 26009-4-S3B

PLOT DATE : 10/13/2022 2:14 PM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

2





PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 3B/C	SHEET 301	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S3B.DWG
LAYOUT NAME - 26009-5-S3B

PLOT DATE : 9/16/2022 8:20 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

WALTER STREET

JOHNS STREET

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

MAINTAIN ONE CROSSING TO ALLOW PEDESTRIANS TO CROSS ATWOOD AT ALL TIMES

LAKELAND AVENUE

LAKELAND AVENUE

PATH CLOSED

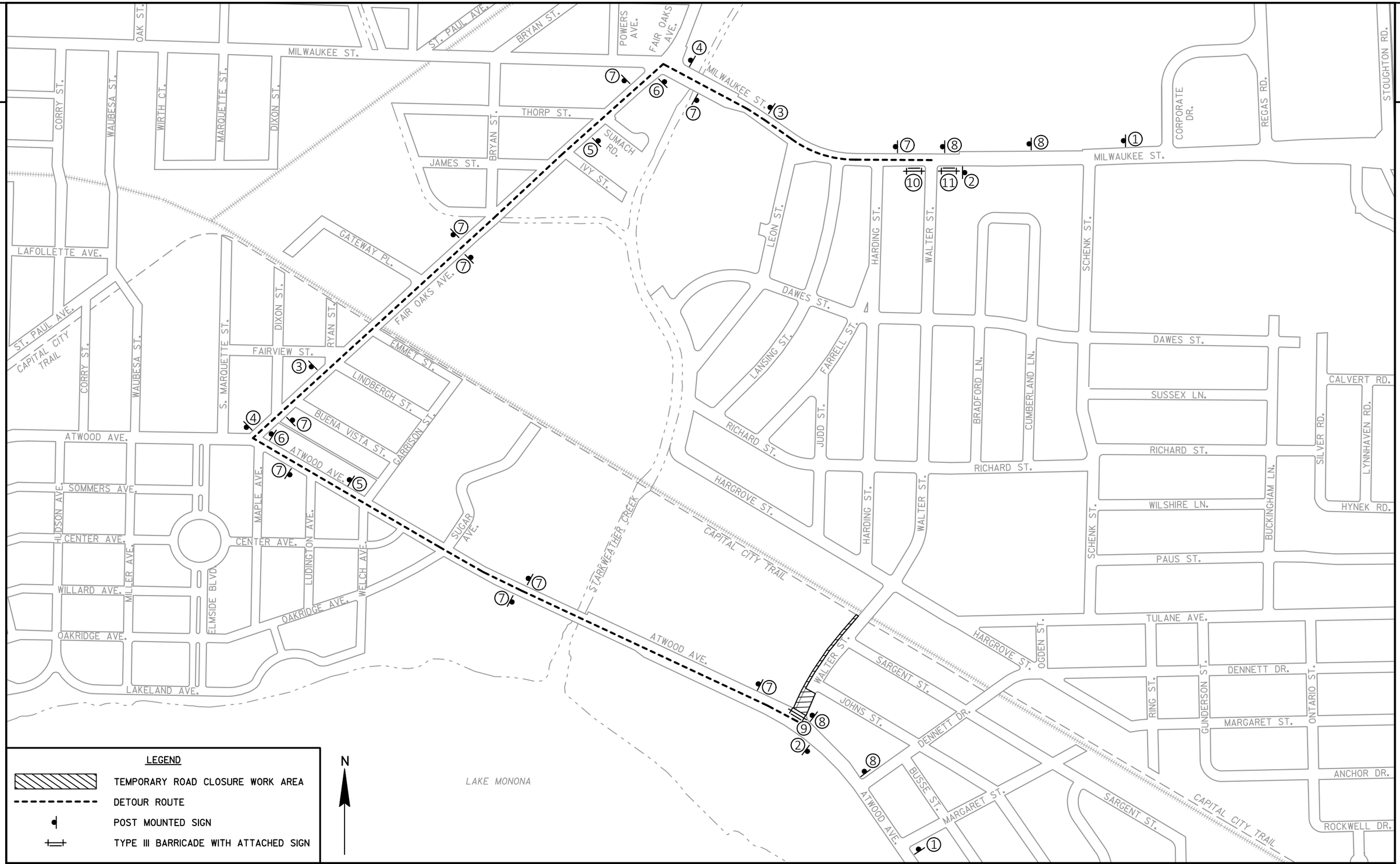
R11-2 (MOD)
48"X30"

BLEACHERS

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PEDESTRIAN ACCESS - STAGE 3B/C	SHEET 302	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\026009-PED S3B.DWG
LAYOUT NAME - 26009-6-S3B

PLOT DATE : 9/16/2022 8:20 AM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:50 FT



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	DETOUR PLAN: STAGES 2A & 2B	SHEET 303	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\027001-DT_S2A.DWG
LAYOUT NAME - 027004-dt

PLOT DATE : 7/11/2022 5:49 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

2

① Walter St
TRAFFIC CONTROL
SIGNS FIXED MESSAGE
36"X12" (3 S.F.)

② END DETOUR
M4-8A
24"X18"
Walter St
TRAFFIC CONTROL
SIGNS FIXED MESSAGE
36"X12" (3 S.F.)

③ DETOUR
M4-8
24"X12"
Walter St
TRAFFIC CONTROL
SIGNS FIXED MESSAGE
36"X12" (3 S.F.)

MO5-1L
21"X21"

④ DETOUR
M4-8
24"X12"
Walter St
TRAFFIC CONTROL
SIGNS FIXED MESSAGE
36"X12" (3 S.F.)

MO6-1L
21"X21"

⑤ DETOUR
M4-8
24"X12"
Walter St
TRAFFIC CONTROL
SIGNS FIXED MESSAGE
36"X12" (3 S.F.)

MO5-1R
21"X21"

⑥ DETOUR
M4-8
24"X12"
Walter St
TRAFFIC CONTROL
SIGNS FIXED MESSAGE
36"X12" (3 S.F.)

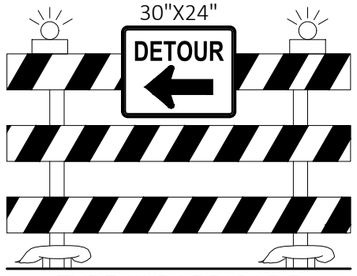
M06-1R
21"X21"

⑦ DETOUR
M4-8
24"X12"
Walter St
TRAFFIC CONTROL
SIGNS FIXED MESSAGE
36"X12" (3 S.F.)

⑧ DETOUR
M4-8
24"X12"
Walter St
TRAFFIC CONTROL
SIGNS FIXED MESSAGE
36"X12" (3 S.F.)

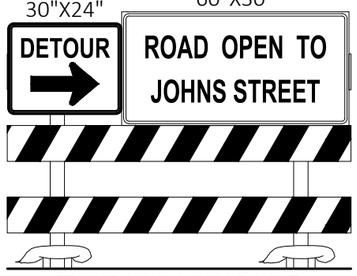
M06-1
21"X21"

⑨ M4-9L
30"X24"



TYPE III BARRICADE

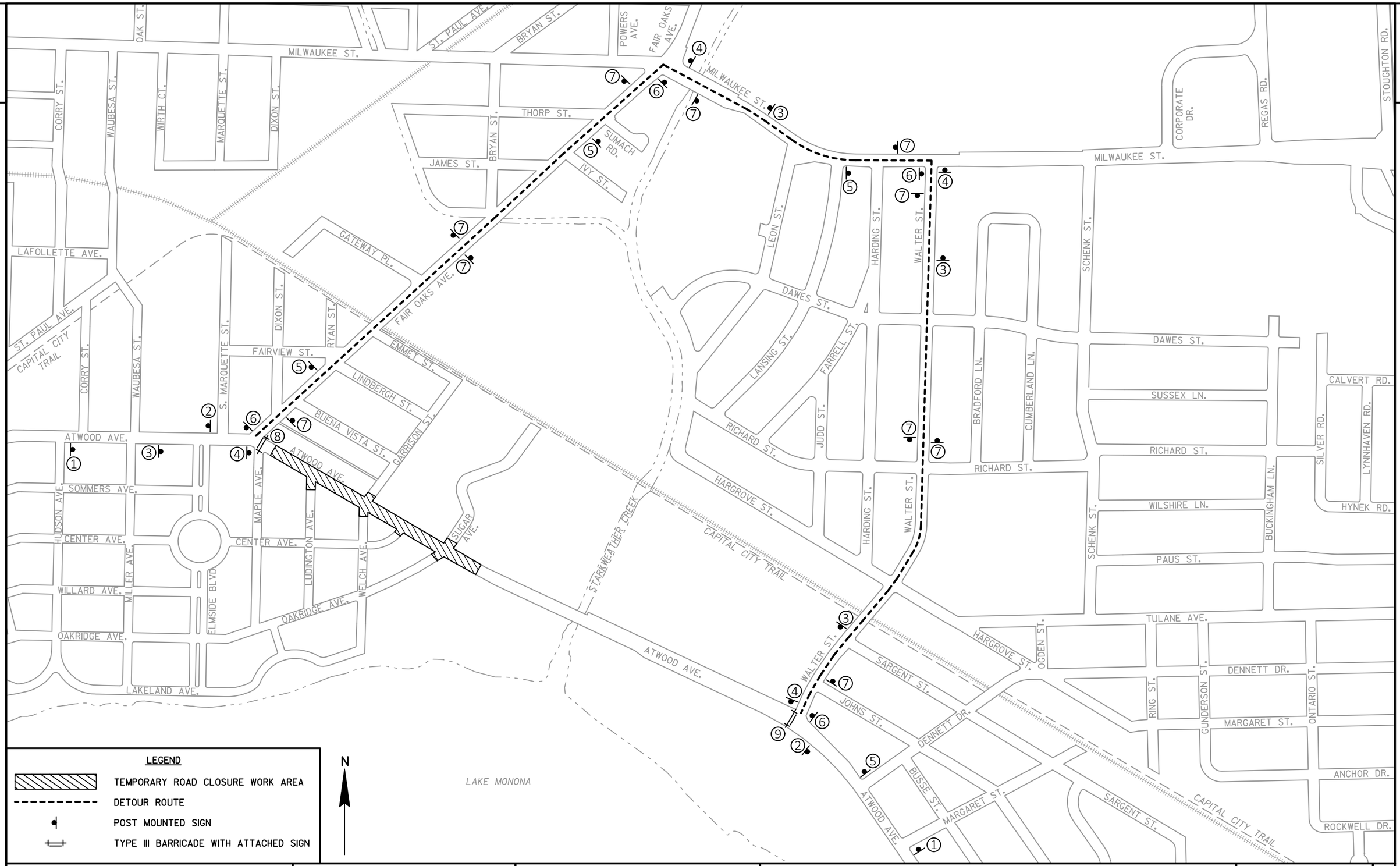
⑩ M4-9R
30"X24"
R10-61 (MOD.)
60"X30"



TYPE III BARRICADE

⑪ R11-3
60"X30"

TYPE III BARRICADE



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	DETOUR PLAN: STAGES 3A, 3B & 3C	SHEET 305	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\027001-DT_S1A.DWG
LAYOUT NAME - 027001-dt

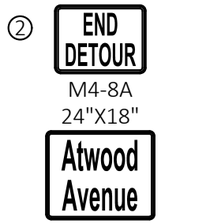
PLOT DATE : 8/18/2022 7:13 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:500 FT

WISDOT/CADDS SHEET 42

2

①

TRAFFIC CONTROL
SIGNS FIXED MESSAGE
30"X24" (5 S.F.)

② 

M4-8A
24"X18"
TRAFFIC CONTROL
SIGNS FIXED MESSAGE
30"X24" (5 S.F.)

③

M4-8
24"X12"
TRAFFIC CONTROL
SIGNS FIXED MESSAGE
30"X24" (5 S.F.)

MO5-1L
21"X21"

④

M4-8
24"X12"
TRAFFIC CONTROL
SIGNS FIXED MESSAGE
30"X24" (5 S.F.)

MO6-1L
21"X21"

⑤

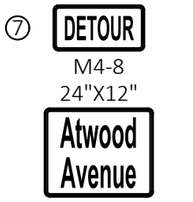
M4-8
24"X12"
TRAFFIC CONTROL
SIGNS FIXED MESSAGE
30"X24" (5 S.F.)

MO5-1R
21"X21"

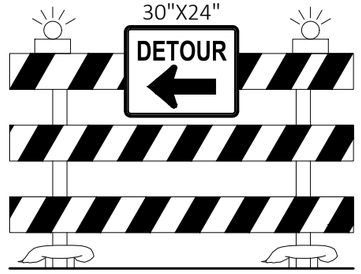
⑥

M4-8
24"X12"
TRAFFIC CONTROL
SIGNS FIXED MESSAGE
30"X24" (5 S.F.)

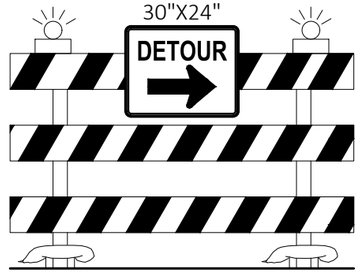
M06-1R
21"X21"

⑦ 

M4-8
24"X12"
TRAFFIC CONTROL
SIGNS FIXED MESSAGE
30"X24" (5 S.F.)

⑧ M4-9L
30"X24"


TYPE III BARRICADE

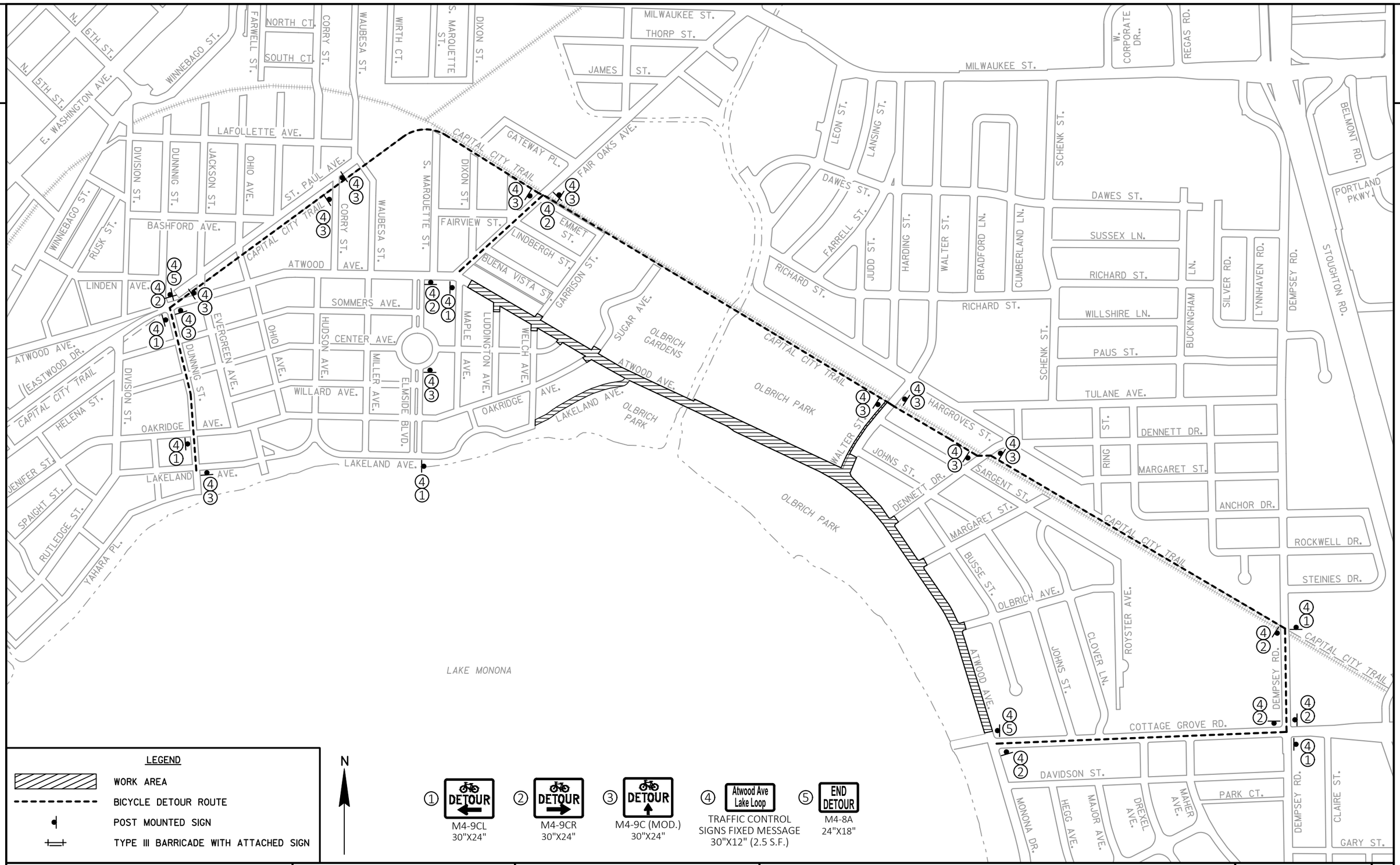
⑨ M4-9R
30"X24"


TYPE III BARRICADE

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	DETOUR PLAN: STAGES 3A, 3B & 3C SIGN LEGEND	SHEET 306	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\027001-DT_S1A.DWG
LAYOUT NAME - 027003-dt
PLOT DATE : 8/18/2022 7:13 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : NONE
WISDOT/CADDS SHEET 42

2



LEGEND

- WORK AREA
- BICYCLE DETOUR ROUTE
- POST MOUNTED SIGN
- TYPE III BARRICADE WITH ATTACHED SIGN

N

① DETOUR — M4-9CL, 30"X24"

② DETOUR — M4-9CR, 30"X24"

③ DETOUR — M4-9C (MOD.), 30"X24"

④ Atwood Ave / Lake Loop — TRAFFIC CONTROL SIGNS FIXED MESSAGE, 30"X12" (2.5 S.F.)

⑤ END DETOUR — M4-8A, 24"X18"

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	BICYCLE ROUTE DETOUR PLAN	SHEET 307 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\027002-BIKE DT.DWG
LAYOUT NAME - 027003-dt
PLOT DATE : 7/8/2022 3:22 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:700 FT
WISDOT/CADDS SHEET 42

2

STARKWEATHER CREEK

CAPITAL CITY TRAIL

OLBRICH PARK

ATWOOD AVE.

OLBRICH PARK

LAKE MONONA

OLBRICH PARK

SIDEWALK CLOSED AHEAD
R9-9A
30"X18"

SIDEWALK CLOSED
R9-11AL
24"X12"

SIDEWALK CLOSED
R9-9
24"X12"

HARGROVE ST.

Walter St
DETOUR
TRAFFIC CONTROL SIGNS FIXED MESSAGE
36"X12" (3 S.F.)
M4-9BL
30"X24"

SIDEWALK CLOSED
DETOUR
R9-9
24"X12"
M4-9BR
30"X24"

WALTER ST.

CAPITAL CITY TRAIL

DETOUR
M4-9BL
30"X24"

DETOUR
M4-9BR
30"X24"

SARGENT ST.

DETOUR
M4-9BR
30"X24"

DENNETT DR.

JOHNS ST.

SIDEWALK CLOSED AHEAD
DETOUR
R9-9A
30"X18"
M4-9BR
30"X24"

DETOUR
M4-9BL
30"X24"

SIDEWALK CLOSED
DETOUR
R9-9
24"X12"
M4-9BR
30"X24"

DENNETT DR.

SIDEWALK CLOSED AHEAD
DETOUR
R9-9A
30"X18"
M4-9BR
30"X24"

TRAFFIC CONTROL SIGNS FIXED MESSAGE
36"X12" (3 S.F.)
Walter St
Capital City Trail
TRAFFIC CONTROL SIGNS FIXED MESSAGE
24"X12" (2 S.F.)
M4-9BA
30"X24"
DETOUR AHEAD

ATWOOD AVE.

BUSSE ST.

MARGARET ST.

JOHNS ST.

BUSSE ST.

MARGARET ST.

CLOVER LN.

OLBRICH AVE.

PAUS ST.

SCHENK ST.

TULANE AVE.

OGDEN ST.

DENNETT DR.

HARGROVE ST.

CAPITAL CITY TRAIL

SARGENT ST.

N

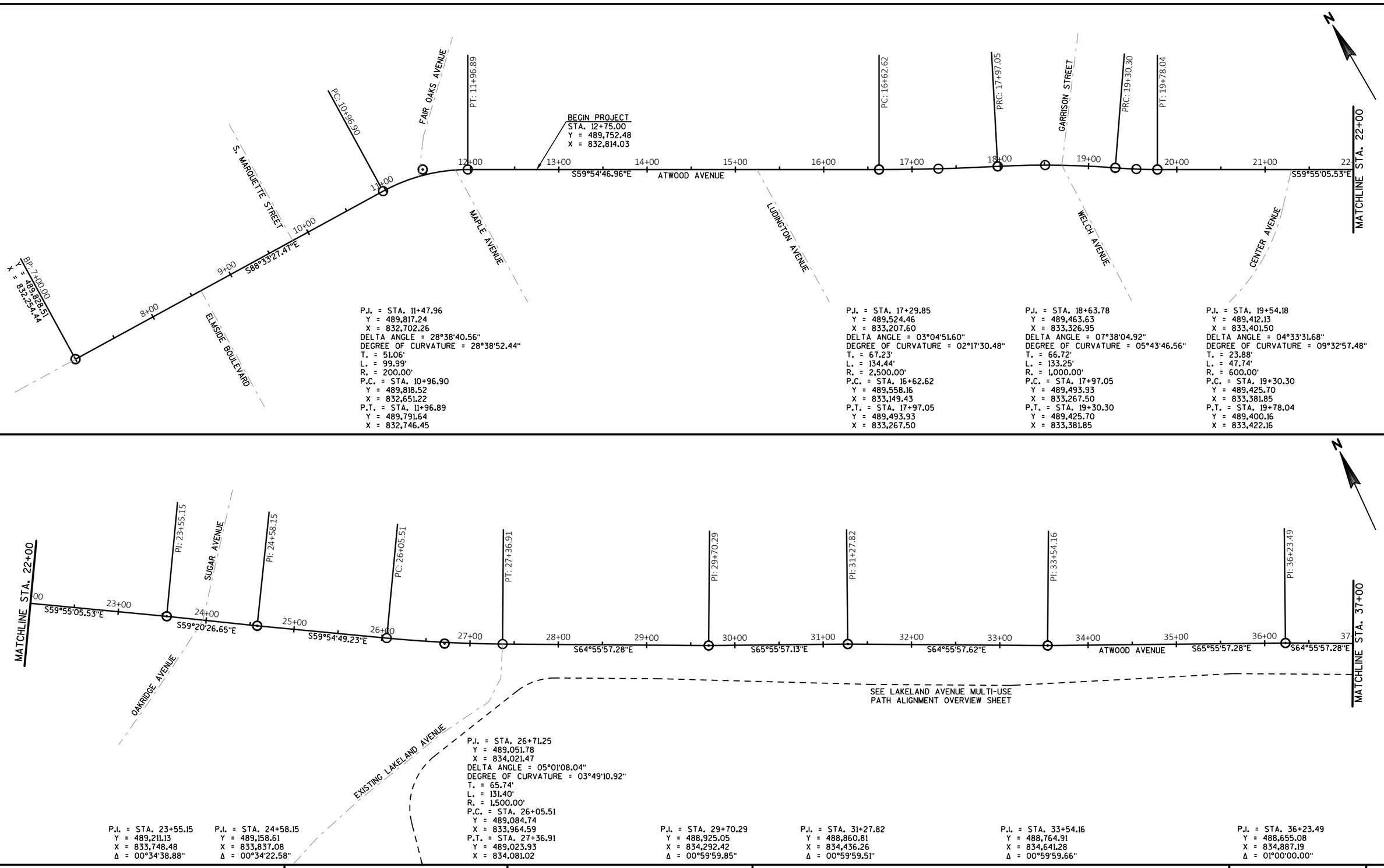
2

LEGEND

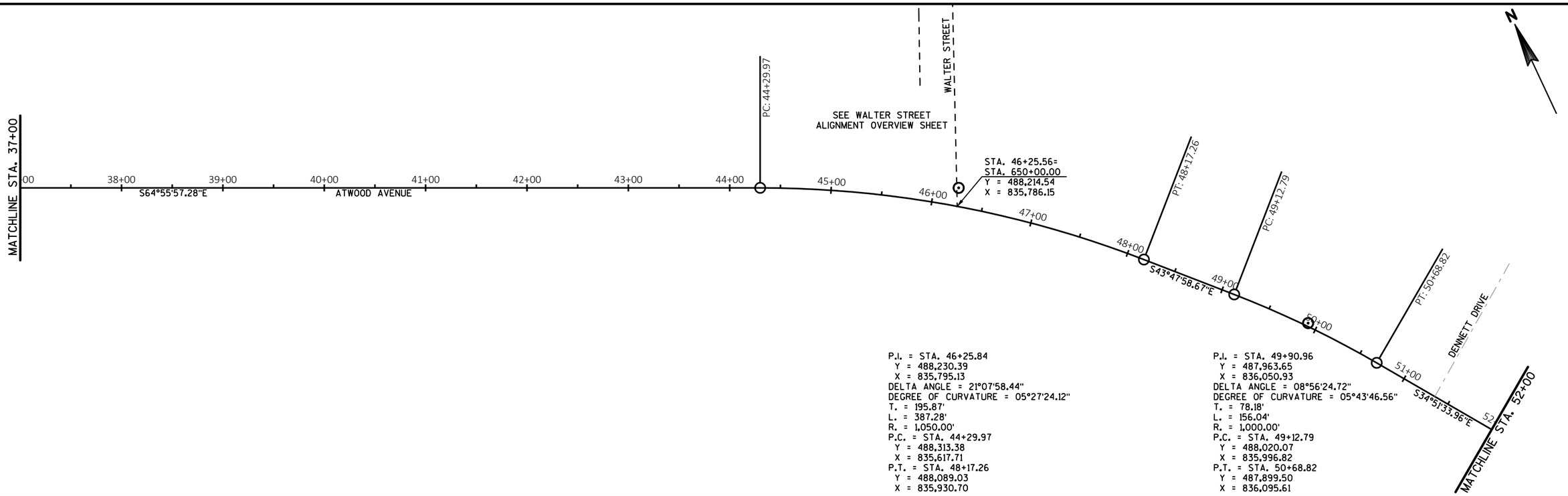
- POST MOUNTED SIGN
- TYPE II BARRICADE WITH ATTACHED SIGN
- PEDESTRIAN DETOUR ROUTE (EXISTING SIDEWALK)
- WORK AREA

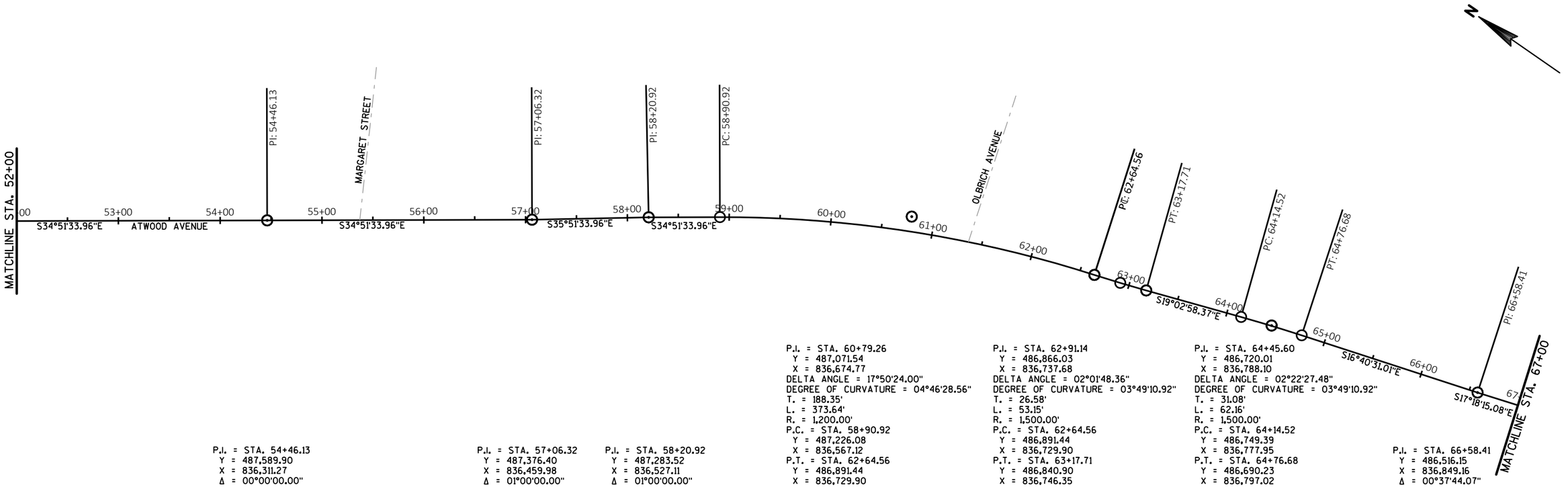
NOTE: SEE PEDESTRIAN STAGING SHEETS FOR ADDITIONAL PEDESTRIAN SIGNING

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	STAGE 2 - PEDESTRIAN DETOUR	SHEET 308	E



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	ALIGNMENT OVERVIEW: ATWOOD AVENUE	SHEET 309	E

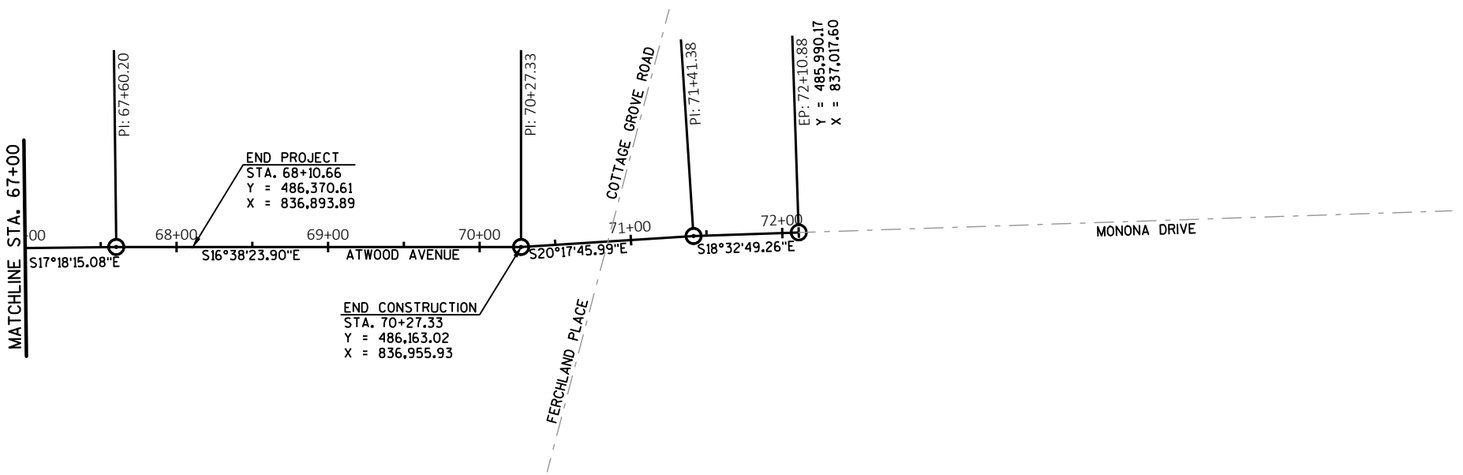




PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	ALIGNMENT OVERVIEW: ATWOOD AVENUE	SHEET 310 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 027202-ad
PLOT DATE : 7/26/2022 12:58 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

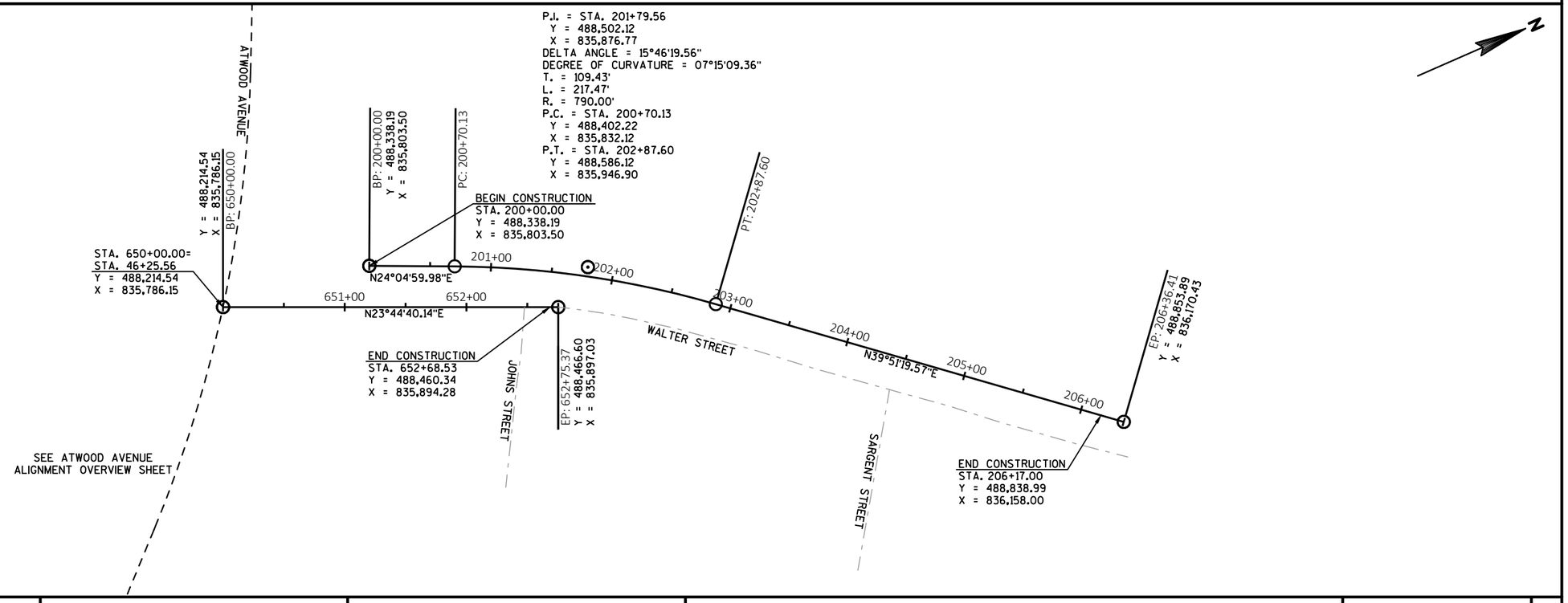
2



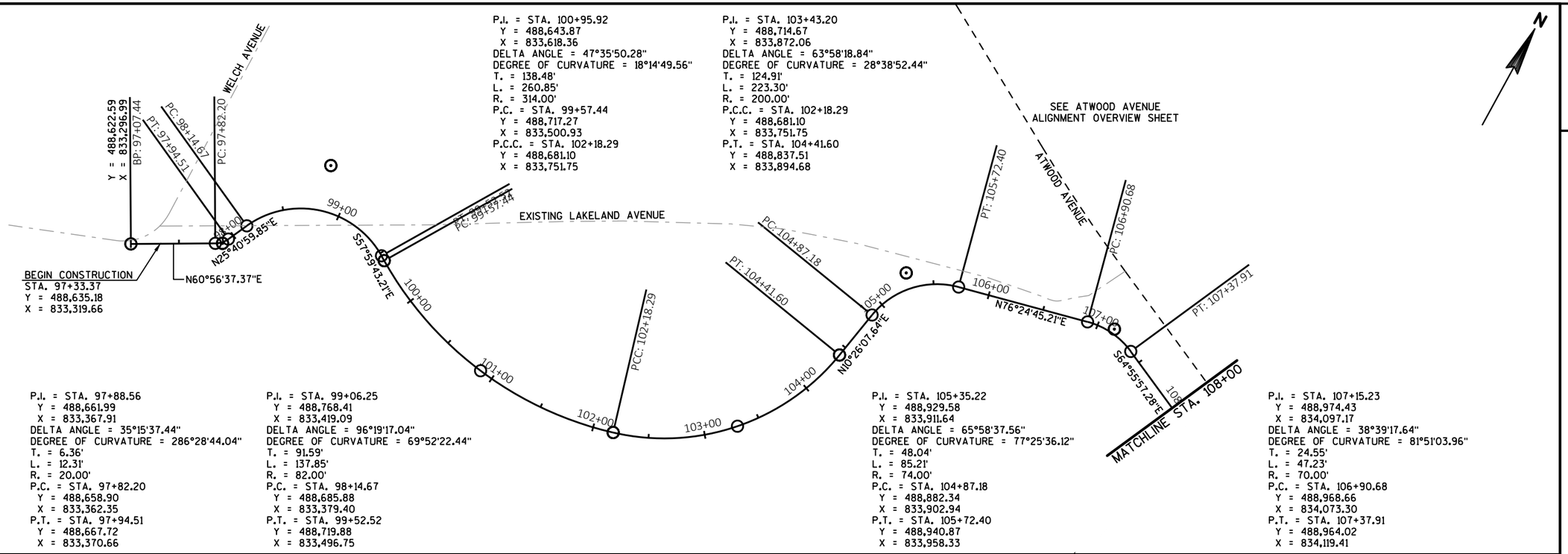
P.I. = STA. 67+60.20
Y = 486,418.97
X = 836,879.44
Δ = 00°39'51.18"

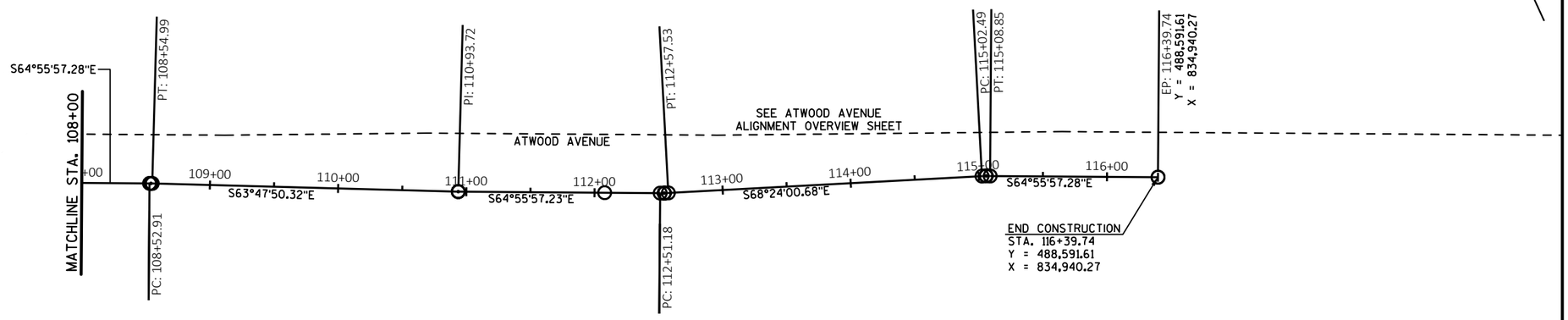
P.I. = STA. 70+27.33
Y = 486,163.02
X = 836,955.93
Δ = 03°39'22.09"

P.I. = STA. 71+41.38
Y = 486,056.05
X = 836,995.49
Δ = 01°44'56.73"



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	ALIGNMENT OVERVIEW: ATWOOD AVENUE AND WALTER STREET	SHEET 311	E





PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	ALIGNMENT OVERVIEW: LAKELAND AVENUE MULTI-USE PATH	SHEET 312	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 027204-ad
PLOT DATE : 7/26/2022 12:58 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

3002 ATWOOD INVESTMENTS LLC
3010 ATWOOD AVE

MAYNARD SCHMUDLACH (LE)
MICHAEL SCHMUDLACH
3014 ATWOOD AVE

ROBERT H GRETHER
PAMELA K GRETHER
3026 ATWOOD AVE

KELLY SORENSON
NATHAN LIEGEL
3030 ATWOOD AVE

CONNIE JO NADLER
BONITA RAE ANDERSON
3034 ATWOOD AVE

ATWOOD AVENUE

13+00 14+00 15+00

CP#1
CUT CROSS IN SIDEWALK
Y = 489,670.62
X = 832,911.68
ELEV. = 885.71

MADISON METRO SCHOOL DISTRICT
401 MAPLE AVE

LUDINGTON AVENUE

DAVID JOHN WARNER
DAWN M WARNER
3118 ATWOOD AVE

PRESTON BARROWS
3122 ATWOOD AVE

CURRENT OWNER
3126 ATWOOD AVE

GARRISON STREET

LINDA L M DYKSTRA
3202 ATWOOD AVE

CURRENT OWNER
3206 ATWOOD AVE

CP#2
CUT CROSS IN SIDEWALK
Y = 489,496.02
X = 833,327.64
ELEV. = 868.49

PRC: 17+97.05
PRC: 19+30.30
PT: 19+78.04

ATWOOD AVENUE

18+00 19+00 20+00

FRANCISCO XAVIER SUAREZ
405 WELCH AVE

WELCH AVENUE

MICHAEL A QUIRKE
3109 ATWOOD AVE

BOLLERUD LIVING TRUST
3113 ATWOOD AVE

JESSE M VANDERPOL
3121 ATWOOD AVE

MICHAEL THEISEN
DAWN THEISEN
3123 ATWOOD AVE

KRISTIN M RUCINSKI
3234 ATWOOD AVE

LYNNE L WEBORG
3238 ATWOOD AVE

JAMES DRURY
3242 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH BOTANICAL GARDENS
3330 ATWOOD AVE

SUGAR AVENUE

CP#3
CUT CROSS IN SIDEWALK
Y = 489,226.85
X = 833,781.25
ELEV. = 858.37

PI: 23+55.15
PI: 24+58.15

ATWOOD AVENUE

23+00 24+00 25+00

KERRY KRETCHMAR
CHRISTOPER MOHAR
3234 OAKRIDGE AVE

OAKRIDGE AVENUE

PT: 27+36.91

ATWOOD AVENUE

27+00 28+00 29+00

PT: 28+07.91
PC: 108+52.91
PT: 108+54.99

CP#4
CUT CROSS IN SIDEWALK
Y = 488,980.54
X = 834,103.07
ELEV. = 851.39

PC: 106+90.68

107+00 108+00

LAKELAND AVENUE

CITY OF MADISON PARKS OLBRICH PARK
3301 ATWOOD AVE

PT: 105+

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CONTROL POINTS	SHEET 313	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\027301-CP.DWG
LAYOUT NAME - 027301-cp

PLOT DATE : 9/13/2022 7:10 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

CITY OF MADISON PARKS OLBRICH PARK
3301 ATWOOD AVE

CP#5
DRILL HOLE SOUTHEAST
MANHOLE RIM
Y = 488,774.24
X = 833,540.12
ELEV. = 852.54

LAKELAND AVENUE

PT: 99+52.52
PC: 99+57.44

100+00

101+00

102+00

103+00

PCC: 102+18.29

CP#6
DRILL HOLE EAST MANHOLE RIM
Y = 488,609.00
X = 833,616.62
ELEV. = 849.37

CP#7
MAGNAIL IN PATH
Y = 488,653.38
X = 833,769.13
ELEV. = 849.41

CITY OF MADISON PARKS OLBRICH PARK
3301 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

CP#8
CENTER OF BRASS CAP
Y = 488,780.11
X = 834,690.79
ELEV. = 852.07

PI: 33+54.16

ATWOOD AVENUE

33+00

34+00

35+00

PC: 112+51.18
PT: 112+57.53

112+00

113+00

114+00

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

CP#9
CUT CROSS IN SIDEWALK
Y = 488,374.16
X = 835,584.36
ELEV. = 853.41

PC: 44+29.97

ATWOOD AVENUE

43+00

44+00

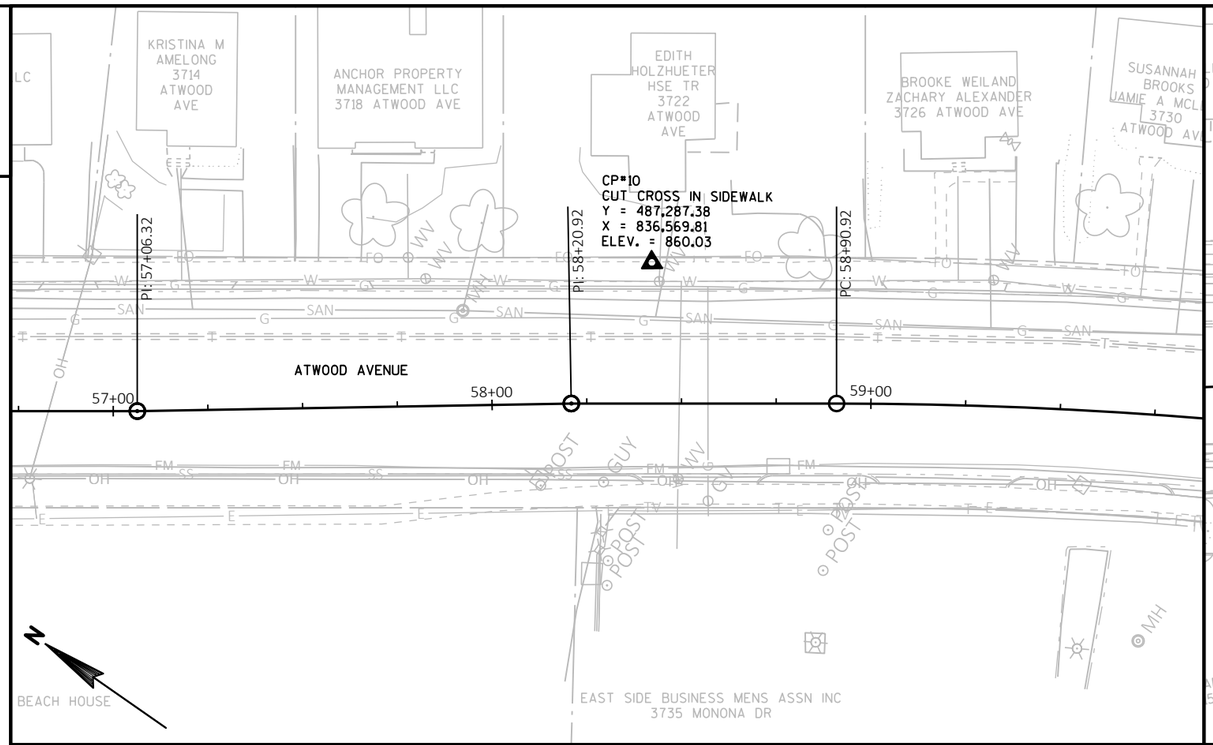
45+00

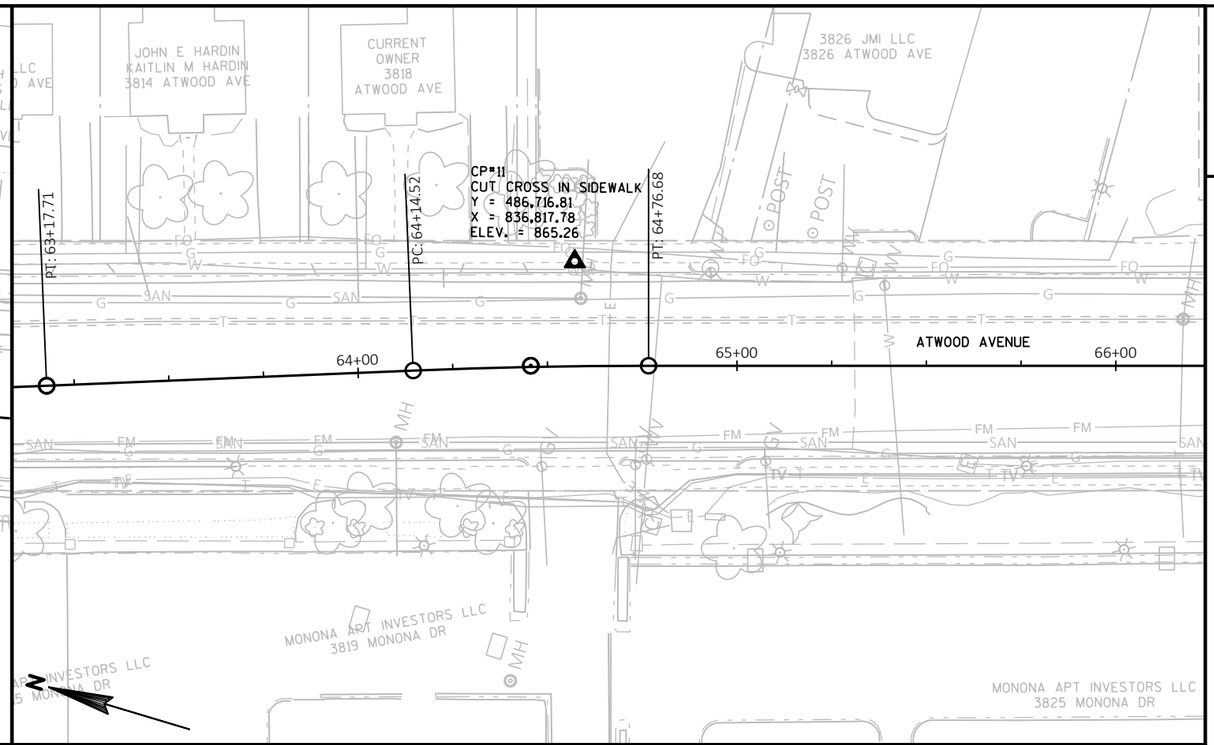
CITY OF MADISON PARKS OLBRICH BEACH HOUSE

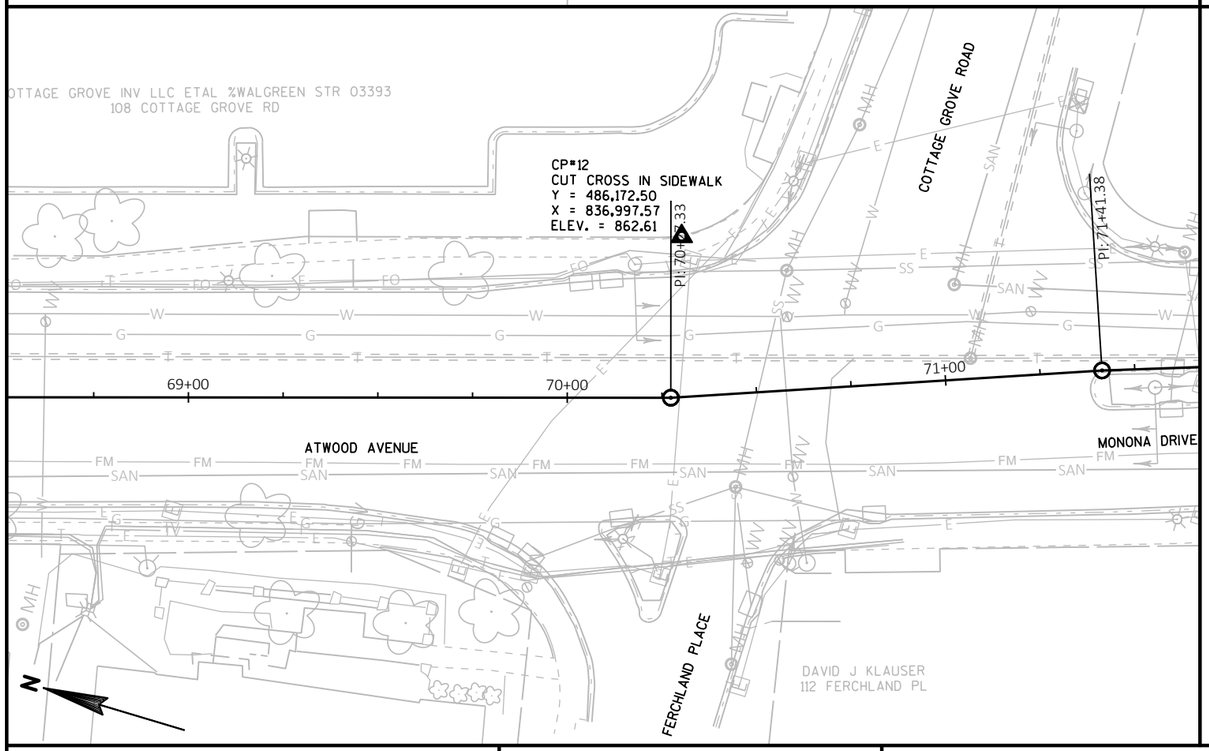
PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CONTROL POINTS	SHEET 314	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\027301-CP.DWG
LAYOUT NAME - 027302-cp

PLOT DATE : 9/13/2022 7:10 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT







PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	CONTROL POINTS	SHEET 315	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\027301-CP.DWG
LAYOUT NAME - 027303-cp

PLOT DATE : 9/13/2022 7:10 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

CGC, Inc.

LOG OF TEST BORING

General Notes

DESCRIPTIVE SOIL CLASSIFICATION

Grain Size Terminology

Soil Fraction	Particle Size	U.S. Standard Sieve Size
Boulders	Larger than 12"	Larger than 12"
Cobbles	3" to 12"	3" to 12"
Gravel: Coarse	¾" to 3"	¾" to 3"
Fine	4.76 mm to ¾"	#4 to ¾"
Sand: Coarse	2.00 mm to 4.76 mm	#10 to #4
Medium	0.42 to mm to 2.00 mm	#40 to #10
Fine	0.074 mm to 0.42 mm	#200 to #40
Silt	0.005 mm to 0.074 mm	Smaller than #200
Clay	Smaller than 0.005 mm	Smaller than #200

Plasticity characteristics differentiate between silt and clay.

General Terminology

Physical Characteristics
Color, moisture, grain shape, fineness, etc.
Major Constituents
Clay, silt, sand, gravel
Structure
Laminated, varved, fibrous, stratified, cemented, fissured, etc.
Geologic Origin
Glacial, alluvial, eolian, residual, etc.

Relative Density

Term	"N" Value
Very Loose	0 - 4
Loose	4 - 10
Medium Dense	10 - 30
Dense	30 - 50
Very Dense	Over 50

Relative Proportions Of Cohesionless Soils

Proportional Term	Defining Range by Percentage of Weight
Trace	0% - 5%
Little	5% - 12%
Some	12% - 35%
And	35% - 50%

Consistency

Term	q_u-tons/sq. ft
Very Soft	0.0 to 0.25
Soft	0.25 to 0.50
Medium	0.50 to 1.0
Stiff	1.0 to 2.0
Very Stiff	2.0 to 4.0
Hard	Over 4.0

Organic Content by Combustion Method

Soil Description	Loss on Ignition
Non Organic	Less than 4%
Organic Silt/Clay	4 – 12%
Sedimentary Peat	12% - 50%
Fibrous and Woody Peat	More than 50%

Plasticity

Term	Plastic Index
None to Slight	0 - 4
Slight	5 - 7
Medium	8 - 22
High to Very High	Over 22

The penetration resistance, N, is the summation of the number of blows required to effect two successive 6" penetrations of the 2" split-barrel sampler. The sampler is driven with a 140 lb. weight falling 30" and is seated to a depth of 6" before commencing the standard penetration test.

SYMBOLS

Drilling and Sampling

CS – Continuous Sampling
RC – Rock Coring: Size AW, BW, NW, 2"W
RQD – Rock Quality Designation
RB – Rock Bit/Roller Bit
FT – Fish Tail
DC – Drove Casing
C – Casing: Size 2 ½", NW, 4", HW
CW – Clear Water
DM – Drilling Mud
HSA – Hollow Stem Auger
FA – Flight Auger
HA – Hand Auger
COA – Clean-Out Auger
SS - 2" Dia. Split-Barrel Sample
2ST – 2" Dia. Thin-Walled Tube Sample
3ST – 3" Dia. Thin-Walled Tube Sample
PT – 3" Dia. Piston Tube Sample
AS – Auger Sample
WS – Wash Sample
PTS – Peat Sample
PS – Pitcher Sample
NR – No Recovery
S – Sounding
PMT – Borehole Pressuremeter Test
VS – Vane Shear Test
WPT – Water Pressure Test

Laboratory Tests

q_a – Penetrometer Reading, tons/sq ft
q_a – Unconfined Strength, tons/sq ft
W – Moisture Content, %
LL – Liquid Limit, %
PL – Plastic Limit, %
SL – Shrinkage Limit, %
LI – Loss on Ignition
D – Dry Unit Weight, lbs/cu ft
pH – Measure of Soil Alkalinity or Acidity
FS – Free Swell, %

Water Level Measurement

▽ - Water Level at Time Shown
NW – No Water Encountered
WD – While Drilling
BCR – Before Casing Removal
ACR – After Casing Removal
CW – Cave and Wet
CM – Caved and Moist

Note: Water level measurements shown on the boring logs represent conditions at the time indicated and may not reflect static levels, especially in cohesive soils.

CGC Inc.

LOG OF TEST BORING

Project Atwood Avenue
145'SE of Luddington, 10'NE of CL
Location Madison, WI

Boring No. 1
Surface Elevation (ft) 875±
Job No. C17051-16
Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE No.	Type	Rec (in.)	Moist	N	Depth (ft)	VISUAL CLASSIFICATION and Remarks	qu (qa) (tsf)	W	LL	PL	LI
						8 in. Concrete Pavement/6 in. Base Course					
1		14	M	12		Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
2		10	M	14	5						
3		12	M	18		Medium Dense, Light Brown Fine SAND, Little Silt (SP-SM)					
4		16	M	24	10						
5		10	M	21		Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
					15	End of Boring at 15 ft Borehole Backfilled with Bentonite Chips and Asphalt Patch					
					20						

WATER LEVEL OBSERVATIONS

While Drilling ▽ NW Upon Completion of Drilling NW
Time After Drilling 15 min.
Depth to Water
Depth to Cave in 11.5'

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start 6/29/17 End 6/29/17
Driller BSD Chief MC Rig CME-55
Logger MG/CD Editor ESF
Drill Method 2.25" HSA; Autohammer

CGC Inc.

LOG OF TEST BORING

Project Atwood Avenue
50'SE of Center, 10'NE of CL
Location Madison, WI

Boring No. 2
Surface Elevation (ft) 863±
Job No. C17051-16
Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE No.	Type	Rec (in.)	Moist	N	Depth (ft)	VISUAL CLASSIFICATION and Remarks	qu (qa) (tsf)	W	LL	PL	LI
						10 in. Concrete Pavement/10 in. Base Course					
1		3	M	8		Very Stiff, Brown Lean CLAY, Little Gravel (CL - Possible Fill)	(2.25)				
2		8	M	8	5	Loose, Brown Clayey SAND, Some Silt, Trace Gravel (SC/SM)					
3		12	M	13		Medium Dense to Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
4		6	M	20	10						
5		12	W	47							
					15	End of Boring at 15 ft Borehole Backfilled with Bentonite Chips and Asphalt Patch					
					20						

WATER LEVEL OBSERVATIONS

While Drilling ▽ 14.5' Upon Completion of Drilling 14.5'
Time After Drilling 15 min.
Depth to Water
Depth to Cave in 11.3'

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start 6/29/17 End 6/29/17
Driller BSD Chief MC Rig CME-55
Logger MG/CD Editor ESF
Drill Method 2.25" HSA; Autohammer

CGC Inc.

LOG OF TEST BORING

Project: Atwood Avenue
340'SE of Lakeland, 18'SW of CL
Location: Madison, WI

Boring No. 3
Surface Elevation (ft) 852±
Job No. C17051-16
Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE No.	Ext.	Rec (in.)	Moist	N	Depth (ft)	VISUAL CLASSIFICATION and Remarks	qu (qa) (tsf)	W	LL	PL	LI
						6 in. Asphalt Pavement/4 in. Recycled Asphalt/11 in. Base Course					
1		12	M	13		FILL: Stiff, Dark Gray Clay Over Sand with Silt and Gravel	(1.25)				
						Medium Dense, Light Brown Fine to Coarse SAND, Little to Some Gravel, Trace Silt, Numerous Shell Fragments (SP)					
2		10	M	12	5						
3		12	W	14							
4		12	W	11	10	Becoming Gray with Depth					
5			W	9		Loose Near 14 ft					
					15	End of Boring at 15 ft Borehole Backfilled with Bentonite Chips and Asphalt Patch					
					20						

WATER LEVEL OBSERVATIONS

While Drilling ▽ 7.0' Upon Completion of Drilling 7'
Time After Drilling 15 min.
Depth to Water 7' ▼
Depth to Cave in 7.2'

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start 6/29/17 End 6/29/17
Driller BSD Chief MC Rig CME-55
Logger MG/CD Editor ESF
Drill Method 2.25" HSA; Autohammer

CGC Inc.

LOG OF TEST BORING

Project: Atwood Avenue
165'NW of Walter, 5'SW of CL
Location: Madison, WI

Boring No. 4
Surface Elevation (ft) 852±
Job No. C17051-16
Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE No.	Ext.	Rec (in.)	Moist	N	Depth (ft)	VISUAL CLASSIFICATION and Remarks	qu (qa) (tsf)	W	LL	PL	LI
						10 in. Asphalt Pavement/10 in. Base Course					
1		12	M	22		FILL: Medium Dense, Brown Sand with Gravel, Clay and Topsoil					
						FILL: Very Stiff, Gray Clay with Gravel					
2		10	M	14	5		(2.5)				
3		12	M/W	24		Medium Dense to Dense, Brown to Gray Fine to Medium SAND, Trace Silt, Gravel and Shell Fragments (SP)					
4		14	W	31	10						
5		12	W	17							
					15	End of Boring at 15 ft Borehole Backfilled with Bentonite Chips and Asphalt Patch					
					20						

WATER LEVEL OBSERVATIONS

While Drilling ▽ 7.5' Upon Completion of Drilling 7.5'
Time After Drilling 15 min.
Depth to Water 7.5' ▼
Depth to Cave in 8'

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start 6/29/17 End 6/29/17
Driller BSD Chief MC Rig CME-55
Logger MG/CD Editor ESF
Drill Method 2.25" HSA; Autohammer

CGC Inc.

LOG OF TEST BORING

Project Atwood Avenue
185'SE of Margaret, 5'NE of CL
Location Madison, WI

Boring No. 5
Surface Elevation (ft) 858±
Job No. C17051-16
Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE No.	Type	Rec (in.)	Moist	N	Depth (ft)	VISUAL CLASSIFICATION and Remarks	qu (qa) (tsf)	W	LL	PL	LI
						9 in. Concrete Pavement/10 in. Base Course					
1		10	M	12		Very Stiff to Stiff, Brown Lean CLAY (CL)	(2.75)				
2		10	M	8	5		(1.25)				
3		12	M/W	2		Very Loose, Brown Clayey Fine SAND, Some Silt (SC/SM)					
4		12	M	20		Medium Dense to Loose, Brown Fine to Coarse SAND, Little to Some Gravel, Trace Silt and Shell Fragments (SP)					
5		16	W	7	10						
					15	End of Boring at 15 ft Borehole Backfilled with Bentonite Chips and Asphalt Patch					
					20						

WATER LEVEL OBSERVATIONS

While Drilling ▽ 12.5' Upon Completion of Drilling
Time After Drilling 15 min.
Depth to Water
Depth to Cave in 11.1'

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start 6/29/17 End 6/29/17
Driller BSD Chief MC Rig CME-55
Logger MG/CD Editor ESF
Drill Method 2.25" HSA; Autohammer

CGC Inc.

LOG OF TEST BORING

Project Atwood Avenue
220'N of Cottage Grove Road, Near CL
Location Madison, WI

Boring No. 6
Surface Elevation (ft) 863±
Job No. C17051-16
Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE No.	Type	Rec (in.)	Moist	N	Depth (ft)	VISUAL CLASSIFICATION and Remarks	qu (qa) (tsf)	W	LL	PL	LI
						10 in. Asphalt Pavement/10 in. Base Course					
1		10	M	31		FILL: Dense, Brown Fine Sand with Silt and Gravel					
2		12	M	8	5	FILL: Medium Stiff to Stiff, Brown Sandy Clay	(1.0)				
3		12	M	8		Loose, Brown SAND, Some Clay and Silt, Trace Gravel (SC/SM)					
4		12	M	24		Medium Dense to Dense, Light Brown to Gray Fine to Medium SAND, Trace Silt and Gravel (SP)					
5		16	M	31	10						
					15	End of Boring at 15 ft Borehole Backfilled with Bentonite Chips and Asphalt Patch					
					20						

WATER LEVEL OBSERVATIONS

While Drilling ▽ NW Upon Completion of Drilling
Time After Drilling 15 min.
Depth to Water
Depth to Cave in 11.3'

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

GENERAL NOTES

Start 6/29/17 End 6/29/17
Driller BSD Chief MC Rig CME-55
Logger MG/CD Editor ESF
Drill Method 2.25" HSA; Autohammer

Line	Item	Item Description	Unit	Total	5992-10-16 Qty	5992-10-17 Qty	5992-10-18 Qty
0002	201.0105	Clearing	STA	3.000	3.000		
0004	201.0120	Clearing	ID	408.000	408.000		
0006	201.0205	Grubbing	STA	3.000	3.000		
0008	201.0220	Grubbing	ID	408.000	408.000		
0010	204.0100	Removing Concrete Pavement	SY	20,085.000	20,085.000		
0012	204.0115	Removing Asphaltic Surface Butt Joints	SY	14.000	14.000		
0014	204.0120	Removing Asphaltic Surface Milling	SY	1,235.000	1,235.000		
0016	204.0130	Removing Curb	LF	68.000	68.000		
0018	204.0150	Removing Curb & Gutter	LF	8,055.000	8,055.000		
0020	204.0155	Removing Concrete Sidewalk	SY	8,095.000	8,095.000		
0022	204.0165	Removing Guardrail	LF	45.000	45.000		
0024	204.0195	Removing Concrete Bases	EACH	35.000	35.000		
0026	204.0210	Removing Manholes	EACH	23.000	23.000		
0028	204.0220	Removing Inlets	EACH	38.000	38.000		
0030	204.0245	Removing Storm Sewer (size) 01. 12-Inch or Less	LF	1,063.000	1,063.000		
0032	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	2,193.000	2,193.000		
0034	204.0245	Removing Storm Sewer (size) 03. 18-Inch	LF	592.000	592.000		
0036	204.0245	Removing Storm Sewer (size) 04. 21-Inch	LF	34.000	34.000		
0038	204.0245	Removing Storm Sewer (size) 05. 24-Inch	LF	487.000	487.000		
0040	204.0245	Removing Storm Sewer (size) 06. 30-Inch	LF	56.000	56.000		
0042	204.0245	Removing Storm Sewer (size) 07. 48-Inch	LF	88.000	88.000		
0044	204.0245	Removing Storm Sewer (size) 08. 54-Inch	LF	15.000	15.000		
0046	204.0280	Sealing Pipes	EACH	12.000	12.000		
0048	204.9060.S	Removing (item description) 01. Vehicular Gate	EACH	1.000	1.000		
0050	204.9060.S	Removing (item description) 02. Sidewalk Trench Drain	EACH	1.000	1.000		
0052	204.9090.S	Removing (item description) 01. Stone Retaining Wall	LF	150.000	150.000		
0054	204.9090.S	Removing (item description) 02. Metal Railing	LF	30.000	30.000		
0056	205.0100	Excavation Common	CY	51,632.000	44,959.000	6,673.000	
0058	206.1001	Excavation for Structures Bridges (structure) 01. B-13-864	EACH	1.000		1.000	
0060	206.5001	Cofferdams (structure) 01. B-13-864	EACH	1.000		1.000	
0062	208.0100	Borrow	CY	4,496.000		4,496.000	
0064	210.1500	Backfill Structure Type A	TON	200.000		200.000	
0066	213.0100	Finishing Roadway (project) 01. 5992-10-16	EACH	1.000	1.000		
0068	214.0100	Obliterating Old Road	STA	4.000	4.000		
0070	305.0110	Base Aggregate Dense 3/4-Inch	TON	539.000	539.000		
0072	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	38,372.000	32,952.000	5,420.000	
0074	310.0115	Base Aggregate Open-Graded	CY	137.000	137.000		
0076	312.0110	Select Crushed Material	TON	29,484.000	29,484.000		
0078	405.1000	Stamping Colored Concrete	CY	40.590	40.590		
0080	415.0410	Concrete Pavement Approach Slab	SY	142.000	142.000		
0082	416.0170	Concrete Driveway 7-Inch	SY	823.000	823.000		
0084	416.0270	Concrete Driveway HES 7-Inch	SY	98.000	98.000		
0086	450.4000	HMA Cold Weather Paving	TON	1,800.000	1,800.000		
0088	455.0605	Tack Coat	GAL	1,348.000	1,348.000		
0090	460.2000	Incentive Density HMA Pavement	DOL	6,746.000	5,747.000	999.000	
0092	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	11,200.000	11,200.000		
0094	460.5223	HMA Pavement 3 LT 58-28 S	TON	5,657.000	5,657.000		
0096	460.5224	HMA Pavement 4 LT 58-28 S	TON	3,344.000	1,782.000	1,562.000	
0098	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	63.000	63.000		

Line	Item	Item Description	Unit	Total	5992-10-16 Qty	5992-10-17 Qty	5992-10-18 Qty
0100	465.0125	Asphaltic Surface Temporary	TON	2,000.000	2,000.000		
0102	502.0100	Concrete Masonry Bridges	CY	69.000	3.000	66.000	
0104	502.3101	Expansion Device	LF	32.600		32.600	
0106	502.3200	Protective Surface Treatment	SY	236.000	21.000	215.000	
0108	502.4204	Adhesive Anchors No. 4 Bar	EACH	64.000	64.000		
0110	504.2000.S	Precast Concrete Box Culvert (ft X ft) 01. 3 FT x 6 FT	LF	1,455.000	1,455.000		
0112	505.0400	Bar Steel Reinforcement HS Structures	LB	4,730.000		4,730.000	
0114	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	2,920.000	210.000	2,710.000	
0116	506.8006.S	Prefabricated Steel Truss Pedestrian Bridge LRFD (structure) 01. B-13-864	EACH	1.000		1.000	
0118	509.0301	Preparation Decks Type 1	SY	12.000	12.000		
0120	509.0302	Preparation Decks Type 2	SY	6.000	6.000		
0122	509.0310.S	Sawing Pavement Deck Preparation Areas	LF	112.000	112.000		
0124	509.0500	Cleaning Decks	SY	16.000	16.000		
0126	509.2000	Full-Depth Deck Repair	SY	1.000	1.000		
0128	509.2100.S	Concrete Masonry Deck Repair	CY	3.000	3.000		
0130	509.5100.S	Polymer Overlay	SY	230.000	230.000		
0132	509.9015.S	Removing Polymer Overlay (structure) 01. B-13-254	SY	246.000	246.000		
0134	511.1200	Temporary Shoring (structure) 01. R-13-336	SF	1,100.000	1,100.000		
0136	512.1000	Piling Steel Sheet Temporary	SF	560.000	560.000		
0138	516.0500	Rubberized Membrane Waterproofing	SY	14.000		14.000	
0140	517.1010.S	Concrete Staining (structure) 01. R-13-336	SF	770.000	770.000		
0142	520.8000	Concrete Collars for Pipe	EACH	2.000	2.000		
0144	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	2.000	2.000		
0146	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	2.000	2.000		
0148	522.1048	Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	EACH	1.000	1.000		
0150	522.1066	Apron Endwalls for Culvert Pipe Reinforced Concrete 66-Inch	EACH	1.000	1.000		
0152	550.2106	Piling CIP Concrete 10 3/4 X 0.365-Inch	LF	540.000		540.000	
0154	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	128.000	128.000		
0156	601.0600	Concrete Curb Pedestrian	LF	406.000	406.000		
0158	602.0410	Concrete Sidewalk 5-Inch	SF	38,420.000	38,420.000		
0160	602.0420	Concrete Sidewalk 7-Inch	SF	8,005.000	8,005.000		
0162	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	572.000	572.000		
0164	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	427.650	427.650		
0166	602.1500	Concrete Steps	SF	35.000	35.000		
0168	603.8000	Concrete Barrier Temporary Precast Delivered	LF	2,500.000	2,500.000		
0170	603.8125	Concrete Barrier Temporary Precast Installed	LF	2,500.000	2,500.000		
0172	606.0200	Riprap Medium	CY	3.110	3.110		
0174	606.0300	Riprap Heavy	CY	44.000		44.000	
0176	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	893.000	893.000		
0178	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	324.000	324.000		
0180	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	32.000	32.000		
0182	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	1,351.000	1,351.000		
0184	608.0348	Storm Sewer Pipe Reinforced Concrete Class III 48-Inch	LF	158.000	158.000		
0186	608.0360	Storm Sewer Pipe Reinforced Concrete Class III 60-Inch	LF	56.000	56.000		
0188	608.0366	Storm Sewer Pipe Reinforced Concrete Class III 66-Inch	LF	655.000	655.000		
0190	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	691.000	691.000		
0192	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	108.000	108.000		
0194	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	680.000	680.000		
0196	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	451.000	451.000		

Line	Item	Item Description	Unit	Total	5992-10-16 Qty	5992-10-17 Qty	5992-10-18 Qty
0198	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	451.000	451.000		
0200	608.6012	Storm Sewer Pipe Composite 12-Inch	LF	11.000	11.000		
0202	611.0535	Manhole Covers Type J-Special	EACH	50.000	35.000		15.000
0204	611.0624	Inlet Covers Type H	EACH	91.000	91.000		
0206	611.0645	Inlet Covers Type MS-A	EACH	2.000	2.000		
0208	611.2033	Manholes 3x3-FT	EACH	11.000	11.000		
0210	611.2044	Manholes 4x4-FT	EACH	12.000	12.000		
0212	611.2055	Manholes 5x5-FT	EACH	3.000	3.000		
0214	611.2066	Manholes 6x6-FT	EACH	1.000	1.000		
0216	611.3230	Inlets 2x3-FT	EACH	84.000	84.000		
0218	611.3901	Inlets Median 1 Grate	EACH	2.000	2.000		
0220	611.8110	Adjusting Manhole Covers	EACH	7.000	1.000		6.000
0222	611.8115	Adjusting Inlet Covers	EACH	1.000	1.000		
0224	611.8120.S	Cover Plates Temporary	EACH	45.000	40.000		5.000
0226	611.9800.S	Pipe Grates	EACH	5.000	5.000		
0228	612.0106	Pipe Underdrain 6-Inch	LF	3,425.000	3,425.000		
0230	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	270.000	150.000	120.000	
0232	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-Inch	SY	916.560			916.560
0234	614.0905	Crash Cushions Temporary	EACH	5.000	5.000		
0236	616.0700.S	Fence Safety	LF	700.000	700.000		
0238	618.0100	Maintenance And Repair of Haul Roads (project) 01. 5992-10-16	EACH	1.000	1.000		
0240	619.1000	Mobilization	EACH	1.000	0.770	0.060	0.170
0242	620.0300	Concrete Median Sloped Nose	SF	525.000	525.000		
0244	624.0100	Water	MGAL	445.000	369.000	76.000	
0246	625.0100	Topsoil	SY	20,760.000	20,760.000		
0248	628.1504	Silt Fence	LF	2,000.000	2,000.000		
0250	628.1520	Silt Fence Maintenance	LF	2,000.000	2,000.000		
0252	628.1905	Mobilizations Erosion Control	EACH	12.000	12.000		
0254	628.1910	Mobilizations Emergency Erosion Control	EACH	6.000	6.000		
0256	628.2008	Erosion Mat Urban Class I Type B	SY	20,760.000	20,760.000		
0258	628.6005	Turbidity Barriers	SY	300.000	300.000		
0260	628.7005	Inlet Protection Type A	EACH	5.000	5.000		
0262	628.7020	Inlet Protection Type D	EACH	153.000	153.000		
0264	628.7555	Culvert Pipe Checks	EACH	3.000	3.000		
0266	628.7560	Tracking Pads	EACH	4.000	4.000		
0268	628.7570	Rock Bags	EACH	20.000	20.000		
0270	629.0210	Fertilizer Type B	CWT	14.100	14.100		
0272	630.0140	Seeding Mixture No. 40	LB	378.000	378.000		
0274	630.0500	Seed Water	MGAL	1,239.000	1,239.000		
0276	637.2210	Signs Type II Reflective H	SF	197.950	197.950		
0278	637.2230	Signs Type II Reflective F	SF	46.750	46.750		
0280	638.2102	Moving Signs Type II	EACH	43.000	43.000		
0282	638.2602	Removing Signs Type II	EACH	85.000	85.000		
0284	638.3000	Removing Small Sign Supports	EACH	66.000	66.000		
0286	638.4000	Moving Small Sign Supports	EACH	6.000	6.000		
0288	642.5401	Field Office Type D	EACH	1.000	1.000		
0290	643.0300	Traffic Control Drums	DAY	45,000.000	45,000.000		
0292	643.0410	Traffic Control Barricades Type II	DAY	8,500.000	8,500.000		
0294	643.0420	Traffic Control Barricades Type III	DAY	11,944.000	11,944.000		

Line	Item	Item Description	Unit	Total	5992-10-16 Qty	5992-10-17 Qty	5992-10-18 Qty
0296	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	700.000	700.000		
0298	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	700.000	700.000		
0300	643.0705	Traffic Control Warning Lights Type A	DAY	25,888.000	25,888.000		
0302	643.0715	Traffic Control Warning Lights Type C	DAY	5,500.000	5,500.000		
0304	643.0800	Traffic Control Arrow Boards	DAY	300.000	300.000		
0306	643.0900	Traffic Control Signs	DAY	45,516.000	45,516.000		
0308	643.0920	Traffic Control Covering Signs Type II	EACH	10.000	10.000		
0310	643.1000	Traffic Control Signs Fixed Message	SF	321.640	321.640		
0312	643.1050	Traffic Control Signs PCMS	DAY	100.000	100.000		
0314	643.3105	Temporary Marking Line Paint 4-Inch	LF	42,500.000	42,500.000		
0316	643.3150	Temporary Marking Line Removable Tape 4-Inch	LF	13,000.000	13,000.000		
0318	643.3205	Temporary Marking Line Paint 8-Inch	LF	100.000	100.000		
0320	643.3250	Temporary Marking Line Removable Tape 8-Inch	LF	60.000	60.000		
0322	643.3505	Temporary Marking Arrow Paint	EACH	2.000	2.000		
0324	643.3550	Temporary Marking Arrow Removable Tape	EACH	2.000	2.000		
0326	643.3805	Temporary Marking Stop Line Paint 18-Inch	LF	150.000	150.000		
0328	643.3850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	100.000	100.000		
0330	643.3970	Temporary Marking Removable Mask Out Tape 10-Inch	LF	100.000	100.000		
0332	643.5000	Traffic Control	EACH	1.000	1.000		
0334	644.1410	Temporary Pedestrian Surface Asphalt	SF	52,300.000	52,300.000		
0336	644.1430	Temporary Pedestrian Surface Plate	SF	2,300.000	2,300.000		
0338	644.1440	Temporary Pedestrian Surface Matting	SF	4,000.000	4,000.000		
0340	644.1601	Temporary Pedestrian Curb Ramp	DAY	4,350.000	4,350.000		
0342	644.1605	Temporary Pedestrian Detectable Warning Field	SF	1,200.000	1,200.000		
0344	644.1810	Temporary Pedestrian Barricade	LF	23,300.000	23,300.000		
0346	645.0111	Geotextile Type DF Schedule A	SY	1,941.000	1,903.000	38.000	
0348	645.0120	Geotextile Type HR	SY	238.000	13.000	225.000	
0350	646.1020	Marking Line Epoxy 4-Inch	LF	14,425.000	9,745.000	4,680.000	
0352	646.3020	Marking Line Epoxy 8-Inch	LF	1,350.000	1,350.000		
0354	646.5020	Marking Arrow Epoxy	EACH	63.000	19.000	44.000	
0356	646.5120	Marking Word Epoxy	EACH	6.000	6.000		
0358	646.5220	Marking Symbol Epoxy	EACH	62.000	10.000	52.000	
0360	646.7120	Marking Diagonal Epoxy 12-Inch	LF	175.000	175.000		
0362	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	858.000	858.000		
0364	646.8120	Marking Curb Epoxy	LF	110.000	110.000		
0366	646.8220	Marking Island Nose Epoxy	EACH	13.000	13.000		
0368	646.8320	Marking Parking Stall Epoxy	LF	450.000	450.000		
0370	646.9000	Marking Removal Line 4-Inch	LF	1,500.000	1,500.000		
0372	646.9200	Marking Removal Line Wide	LF	600.000	600.000		
0374	646.9300	Marking Removal Special Marking	EACH	4.000	4.000		
0376	650.4000	Construction Staking Storm Sewer	EACH	136.000	136.000		
0378	650.4500	Construction Staking Subgrade	LF	13,168.000	6,194.000	6,974.000	
0380	650.5000	Construction Staking Base	LF	13,168.000	6,194.000	6,974.000	
0382	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	16,584.000	16,584.000		
0384	650.6501	Construction Staking Structure Layout (structure) 01. R-13-336	EACH	1.000	1.000		
0386	650.6501	Construction Staking Structure Layout (structure) 02. B-13-864	EACH	1.000		1.000	
0388	650.6501	Construction Staking Structure Layout (structure) 03. B-13-254	EACH	1.000	1.000		
0390	650.8000	Construction Staking Resurfacing Reference	LF	216.000	216.000		
0392	650.8501	Construction Staking Electrical Installations (project) 01. 5992-10-16	EACH	1.000	1.000		

					5992-10-16	5992-10-17	5992-10-18
Line	Item	Item Description	Unit	Total	Qty	Qty	Qty
0394	650.9000	Construction Staking Curb Ramps	EACH	58.000	58.000		
0396	650.9500	Construction Staking Sidewalk (project) 01. 5992-10-16	EACH	1.000	1.000		
0398	650.9911	Construction Staking Supplemental Control (project) 01. 5992-10-16	EACH	1.000	1.000		
0400	650.9920	Construction Staking Slope Stakes	LF	7,807.000	7,807.000		
0402	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	8,038.000	8,038.000		
0404	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	6,600.000	6,600.000		
0406	652.0325	Conduit Rigid Nonmetallic Schedule 80 2-Inch	LF	1,307.000	1,307.000		
0408	652.0335	Conduit Rigid Nonmetallic Schedule 80 3-Inch	LF	1,437.000	1,437.000		
0410	652.0605	Conduit Special 2-Inch	LF	55.000	55.000		
0412	652.0615	Conduit Special 3-Inch	LF	55.000	55.000		
0414	652.0700.S	Install Conduit into Existing Item	EACH	2.000	2.000		
0416	653.0905	Removing Pull Boxes	EACH	17.000	17.000		
0418	654.0110	Concrete Bases Type 10	EACH	1.000	1.000		
0420	655.0230	Cable Traffic Signal 5-14 AWG	LF	1,349.000	1,349.000		
0422	655.0240	Cable Traffic Signal 7-14 AWG	LF	1,450.000	1,450.000		
0424	655.0250	Cable Traffic Signal 9-14 AWG	LF	480.000	480.000		
0426	655.0615	Electrical Wire Lighting 10 AWG	LF	5,594.000	5,594.000		
0428	655.0620	Electrical Wire Lighting 8 AWG	LF	8,245.000	8,245.000		
0430	655.0630	Electrical Wire Lighting 4 AWG	LF	24,345.000	24,345.000		
0432	655.0800	Loop Detector Wire	LF	1,751.000	1,751.000		
0434	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. Sta 46+84.5, 47.5' RT	EACH	1.000	1.000		
0436	656.0201	Electrical Service Meter Breaker Pedestal (location) 02. Sta 27+98.0, 51.0' RT	EACH	1.000	1.000		
0438	656.0201	Electrical Service Meter Breaker Pedestal (location) 03. Sta 46+90.0, 47.5' RT	EACH	1.000	1.000		
0440	657.0405	Traffic Signal Standards Aluminum 3.5-FT	EACH	2.000	2.000		
0442	657.0415	Traffic Signal Standards Aluminum 11-FT	EACH	4.000	4.000		
0444	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	3.000	3.000		
0446	658.0500	Pedestrian Push Buttons	EACH	11.000	11.000		
0448	658.5070	Signal Mounting Hardware (location) 01. Atwood Avenue & Walter Street	EACH	1.000	1.000		
0450	658.5070	Signal Mounting Hardware (location) 02. Atwood Avenue & Cottage Grove Road	EACH	1.000	1.000		
0452	678.0200	Fiber Optic Splice Enclosure	EACH	2.000	2.000		
0454	678.0300	Fiber Optic Splice	EACH	576.000	576.000		
0456	678.0400	Fiber Optic Termination	EACH	42.000	42.000		
0458	690.0150	Sawing Asphalt	LF	7,496.000	7,432.000	64.000	
0460	690.0250	Sawing Concrete	LF	5,247.500	5,247.500		
0462	715.0502	Incentive Strength Concrete Structures	DOL	500.000		500.000	
0464	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	500.000	500.000		
0466	740.0440	Incentive IRI Ride	DOL	6,550.000	6,550.000		
0468	999.1501.S	Crack and Damage Survey	EACH	1.000	1.000		
0470	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,100.000	2,100.000		
0472	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,500.000	1,500.000		
0474	SPV.0035	Special 01. Abandon Sanitary Sewer-Slurry	CY	28.490			28.490
0476	SPV.0060	Special 01. Root Pruning Trees	EACH	30.000	30.000		
0478	SPV.0060	Special 02. Pruning Tree	EACH	3.000	3.000		
0480	SPV.0060	Special 03. Grubbing Special 72-Inch	EACH	1.000	1.000		
0482	SPV.0060	Special 04. Remove, Salvage, and Reinstall Bicycle Rack	EACH	1.000	1.000		
0484	SPV.0060	Special 05. Precast Sign Post Base	EACH	57.000	57.000		
0486	SPV.0060	Special 06. Sign Post Base for Concrete Installation	EACH	3.000	3.000		
0488	SPV.0060	Special 07. Manholes 8x8-FT Special	EACH	15.000	15.000		
0490	SPV.0060	Special 08. Sidewalk Trench Drain	EACH	1.000	1.000		

Line	Item	Item Description	Unit	Total	5992-10-16 Qty	5992-10-17 Qty	5992-10-18 Qty
0492	SPV.0060	Special 09. Concrete Pipe Support	EACH	6.000	5.000		1.000
0494	SPV.0060	Special 10. Reconstruct Bench and Flowlines, Storm Sewer	EACH	1.000	1.000		
0496	SPV.0060	Special 11. Utility Line Opening (ULO)	EACH	41.000	22.000		19.000
0498	SPV.0060	Special 12. Locate and Reference Property Corners	EACH	20.000	20.000		
0500	SPV.0060	Special 13. Reset Property Corners	EACH	20.000	20.000		
0502	SPV.0060	Special 14. Street Light Removal	EACH	28.000	28.000		
0504	SPV.0060	Special 15. Traffic Signal Removal	EACH	3.000	3.000		
0506	SPV.0060	Special 16. Lighting Control Cabinet	EACH	2.000	2.000		
0508	SPV.0060	Special 17. LED Luminaire and Mounting Bracket Type 1	EACH	8.000	8.000		
0510	SPV.0060	Special 18. LED Luminaire and Mounting Bracket Type 2	EACH	5.000	5.000		
0512	SPV.0060	Special 19. LED Luminaire and Mounting Bracket Type 3	EACH	4.000	4.000		
0514	SPV.0060	Special 20. LED Luminaire and Mounting Bracket Type 4	EACH	5.000	5.000		
0516	SPV.0060	Special 21. LED Luminaire and Mounting Bracket Type 5	EACH	45.000	45.000		
0518	SPV.0060	Special 22. Pole Aluminum 20-Foot Street Light, Black	EACH	5.000	5.000		
0520	SPV.0060	Special 23. Pole 30-Foot, 11 Gauge	EACH	42.000	42.000		
0522	SPV.0060	Special 24. Pole 30-Foot, 7 Gauge	EACH	6.000	6.000		
0524	SPV.0060	Special 25. Pole 20-Foot, 7 Gauge	EACH	4.000	4.000		
0526	SPV.0060	Special 26. Electrical Pullbox, Type I	EACH	36.000	36.000		
0528	SPV.0060	Special 27. Electrical Pullbox, Type III	EACH	3.000	3.000		
0530	SPV.0060	Special 28. Electrical Pullbox, Type V	EACH	18.000	18.000		
0532	SPV.0060	Special 29. Electrical Pullbox, Type VII	EACH	3.000	3.000		
0534	SPV.0060	Special 30. Concrete Base Type G	EACH	9.000	9.000		
0536	SPV.0060	Special 31. Concrete Base Type LB-2	EACH	5.000	5.000		
0538	SPV.0060	Special 32. Concrete Base Type LB-3	EACH	44.000	44.000		
0540	SPV.0060	Special 33. Concrete Base Type LB-8	EACH	11.000	11.000		
0542	SPV.0060	Special 34. Concrete Base Type P	EACH	2.000	2.000		
0544	SPV.0060	Special 35. Concrete Base Type M	EACH	1.000	1.000		
0546	SPV.0060	Special 36. Concrete Base Offset	EACH	4.000	4.000		
0548	SPV.0060	Special 37. Transformer Base 16-Inch Steel	EACH	4.000	4.000		
0550	SPV.0060	Special 38. Inlet Covers Flat Temporary	EACH	10.000	10.000		
0552	SPV.0060	Special 40. NEMA TS2 Type 1 Traffic Signal Control Cabinet	EACH	1.000	1.000		
0554	SPV.0060	Special 41. Traffic Signal Ethernet Switch	EACH	1.000	1.000		
0556	SPV.0060	Special 42. Pedestal Base, Black	EACH	9.000	9.000		
0558	SPV.0060	Special 43. Traffic Signal Trombone Arms Aluminum 12-Foot	EACH	2.000	2.000		
0560	SPV.0060	Special 44. Traffic Signal Trombone Arms Aluminum 18-Foot	EACH	3.000	3.000		
0562	SPV.0060	Special 45. Traffic Signal Trombone Arms Aluminum 22-Foot	EACH	1.000	1.000		
0564	SPV.0060	Special 46. Traffic Signal Heads 12-Inch, 3-Section	EACH	13.000	13.000		
0566	SPV.0060	Special 47. Traffic Signal Heads 12-Inch, 4-Section	EACH	4.000	4.000		
0568	SPV.0060	Special 48. Traffic Signal Heads 12-Inch, 5-Section	EACH	2.000	2.000		
0570	SPV.0060	Special 49. Traffic Signal Heads 16-Inch Pedestrian With Countdown	EACH	9.000	9.000		
0572	SPV.0060	Special 50. Backplates Signal Face, 3-Section 12-Inch	EACH	13.000	13.000		
0574	SPV.0060	Special 51. Backplates Signal Face, 4-Section 12-Inch	EACH	4.000	4.000		
0576	SPV.0060	Special 52. Backplates Signal Face, 5-Section, 12-Inch	EACH	2.000	2.000		
0578	SPV.0060	Special 56. Remove Base Type 10	EACH	1.000	1.000		
0580	SPV.0060	Special 57. Remove Sanitary Sewer Access Structure	EACH	13.000			13.000
0582	SPV.0060	Special 58. Abandon Sanitary Sewer Access Structure	EACH	2.000			2.000
0584	SPV.0060	Special 59. Sanitary Sewer Access Structure, 4-Foot Diameter	EACH	11.000			11.000
0586	SPV.0060	Special 60. Sanitary Sewer Access Structure, 5-Foot Diameter	EACH	4.000			4.000
0588	SPV.0060	Special 61. Sanitary Sewer Tap	EACH	12.000			12.000

					5992-10-16	5992-10-17	5992-10-18
Line	Item	Item Description	Unit	Total	Qty	Qty	Qty
0590	SPV.0060	Special 62. Sewer Electronic Markers	EACH	121.000	6.000		115.000
0592	SPV.0060	Special 63. Sanitary Sewer Internal Chimney Seal	EACH	2.000			2.000
0594	SPV.0060	Special 64. External Sewer Access Structure Joint Seal	EACH	4.000			4.000
0596	SPV.0060	Special 65. Sanitary Lateral Reconnect	EACH	57.000			57.000
0598	SPV.0060	Special 66. Adjusting Sanitary Sewer Manhole, Monona	EACH	3.000			3.000
0600	SPV.0060	Special 67. Abandon Sanitary Sewer - Pipe Plug	EACH	5.000			5.000
0602	SPV.0060	Special 68. Reconstruct Bench and Flowlines, Sanitary Sewer	EACH	2.000			2.000
0604	SPV.0060	Special 69. Install Compression Coupling	EACH	3.000			3.000
0606	SPV.0060	Special 70. Cut Off Existing Water Main	EACH	8.000			8.000
0608	SPV.0060	Special 71. Cut-In or Connect-To Existing Water System	EACH	23.000			23.000
0610	SPV.0060	Special 72. Abandon Water Valve Box	EACH	6.000			6.000
0612	SPV.0060	Special 73. Abandon Water Valve Access Structure	EACH	9.000			9.000
0614	SPV.0060	Special 74. Remove and Salvage Existing Hydrant	EACH	3.000			3.000
0616	SPV.0060	Special 75. Adjust Water Valve Box Section	EACH	23.000			23.000
0618	SPV.0060	Special 76. Furnish & Install 6-Inch Valve	EACH	5.000			5.000
0620	SPV.0060	Special 77. Furnish & Install 8-Inch Valve	EACH	4.000			4.000
0622	SPV.0060	Special 78. Furnish & Install 10-Inch Valve	EACH	7.000			7.000
0624	SPV.0060	Special 79. Furnish and Install Hydrant	EACH	3.000			3.000
0626	SPV.0060	Special 80. Relocate Water Service	EACH	19.000			19.000
0628	SPV.0060	Special 81. Remove and Salvage Drinking Fountain	EACH	1.000			1.000
0630	SPV.0060	Special 82. Drinking Fountain	EACH	1.000			1.000
0632	SPV.0060	Special 83. Remove, Salvage, and Reinstall Boulder Retaining Wall	EACH	1.000	1.000		
0634	SPV.0060	Special 84. Adjust Curb Box	EACH	24.000			24.000
0636	SPV.0060	Special 85. Relocate Hydrant	EACH	1.000			1.000
0638	SPV.0060	Special 86. Inlet Covers Madison Special	EACH	2.000	2.000		
0640	SPV.0060	Special 87. Temporary Lighting	EACH	1.000	1.000		
0642	SPV.0060	Special 88. Optical Signal Preempt	EACH	1.000	1.000		
0644	SPV.0060	Special 89. Temporary Traffic Signals Atwood Avenue - Walter Street	EACH	1.000	1.000		
0646	SPV.0060	Special 90. Temporary Traffic Signals Atwood Avenue - Cottage Grove Road	EACH	1.000	1.000		
0648	SPV.0060	Special 91. Wastewater Control 150 GPM	EACH	1.000			1.000
0650	SPV.0060	Special 92. Remove, Salvage, and Reinstall Riprap Heavy	EACH	1.000	1.000		
0652	SPV.0060	Special 93. Construction Staking Sanitary Sewer	EACH	1.000			1.000
0654	SPV.0060	Special 94. Construction Staking Water Main	EACH	1.000			1.000
0656	SPV.0060	Special 95. Temporary Overhead Fiber Optic	EACH	1.000	1.000		
0658	SPV.0085	Special 01. Shortgrass Prairie Seed Mix	LB	3.300	3.300		
0660	SPV.0090	Special 01. Railing Pedestrian Steel B-13-864	LF	48.000		48.000	
0662	SPV.0090	Special 02. Concrete Curb & Gutter 24-Inch Type D Special	LF	14,184.000	14,184.000		
0664	SPV.0090	Special 03. Concrete Curb & Gutter 30-Inch Type D Special	LF	1,136.000	1,136.000		
0666	SPV.0090	Special 04. Concrete Curb & Gutter 24-Inch Type D Special HF	LF	445.000	445.000		
0668	SPV.0090	Special 05. Concrete Curb & Gutter 30-Inch Type D Special HF	LF	25.000	25.000		
0670	SPV.0090	Special 06. Concrete Curb & Gutter 24-Inch Type X Special	LF	56.000	56.000		
0672	SPV.0090	Special 07. Concrete Curb & Gutter 24-Inch Type A Special	LF	144.000	144.000		
0674	SPV.0090	Special 08. Concrete Curb & Gutter 30-Inch Type A Special	LF	30.000	30.000		
0676	SPV.0090	Special 09. Concrete Curb & Gutter Type Special Parking Lot	LF	5.000	5.000		
0678	SPV.0090	Special 10. Concrete Gutter 24-Inch Type D Special	LF	25.000	25.000		
0680	SPV.0090	Special 12. Reflective Sign Post	LF	613.000	613.000		
0682	SPV.0090	Special 13. Marking Line Epoxy 6-Inch	LF	3,205.000	3,205.000		
0684	SPV.0090	Special 14. Marking Crosswalk Epoxy Ladder Pattern 18-Inch	LF	898.000	898.000		
0686	SPV.0090	Special 15. Marking Stop Line Epoxy 24-Inch	LF	333.000	333.000		

					5992-10-16	5992-10-17	5992-10-18
Line	Item	Item Description	Unit	Total	Qty	Qty	Qty
0688	SPV.0090	Special 16. Electrical Wire Lighting, 14-3 Grounded	LF	2,885.000	2,885.000		
0690	SPV.0090	Special 17. Loop Detector Lead-In Cable Special	LF	6,224.000	6,224.000		
0692	SPV.0090	Special 18. Fiber Optic Cable 24-Count	LF	1,320.000	1,320.000		
0694	SPV.0090	Special 19. Fiber Optic Cable 144-Count	LF	6,959.000	6,959.000		
0696	SPV.0090	Special 20. Staking Temporary Pavement	LF	4,000.000	4,000.000		
0698	SPV.0090	Special 21. Sanitary Sewer Pipe PVC, 8-Inch	LF	2,484.000			2,484.000
0700	SPV.0090	Special 22. Sanitary Sewer Lateral	LF	1,391.000			1,391.000
0702	SPV.0090	Special 23. Remove Sanitary Sewer Pipe	LF	216.000			216.000
0704	SPV.0090	Special 24. Select Fill for Sanitary Sewer	LF	3,875.000			3,875.000
0706	SPV.0090	Special 25. Utility Trench Patch Type III	LF	52.000			52.000
0708	SPV.0090	Special 26. Sanitary Sewer Lining	LF	705.000			705.000
0710	SPV.0090	Special 27. Furnish & Install 6-Inch Pipe & Fittings	LF	124.000			124.000
0712	SPV.0090	Special 28. Furnish & Install 8-Inch Pipe & Fittings	LF	252.000			252.000
0714	SPV.0090	Special 29. Furnish & Install 10-Inch Pipe & Fittings	LF	377.000			377.000
0716	SPV.0090	Special 30. Furnish & Install 12-Inch Pipe & Fittings	LF	50.000			50.000
0718	SPV.0090	Special 31. Sawed in Bicycle Loop Detection	LF	1,488.000	1,488.000		
0720	SPV.0090	Special 32. Thermoplastic Retroreflective Pavement Marking, 4-Inch	LF	160.000	160.000		
0722	SPV.0090	Special 33. Thermoplastic Retroreflective Pavement Marking, 6-Inch	LF	662.000	662.000		
0724	SPV.0165	Special 01. Wall Modular Block Gravity R-13-336	SF	770.000	770.000		
0726	SPV.0165	Special 02. Cut-Stone Boulders	SF	476.000		476.000	
0728	SPV.0165	Special 03. High Friction Colored Surface, Green	SF	5,670.000		5,670.000	
0730	SPV.0170	Special 01. Pavement Cleanup	STA	79.000	79.000		
0732	SPV.0180	Special 01. Raised Concrete Crosswalk	SY	176.000	176.000		
0734	SPV.0180	Special 02. Shredded Hardwood Bark Mulch	SY	915.000	915.000		
0736	SPV.0180	Special 03. Planting Mix Topsoil	SY	915.000	915.000		
0738	SPV.0200	Special 01. Construct Inside Drop, 6-Inch	VF	5.520			5.520
0740	SPV.0200	Special 02. Construct Inside Drop, 8-Inch	VF	13.490			13.490

CLEARING & GRUBBING

CATEGORY	STATION	TO STATION	LOCATION	(201.0105) CLEARING STA	(201.0120) CLEARING ID	(201.0205) GRUBBING STA	(201.0220) GRUBBING ID	NOTES
0010	18+03	-	LT	-	5	-	5	
	19+19	-	LT	-	20	-	20	
	20+20	-	LT	-	24	-	24	
	22+50	23+60	RT	2	-	2	-	
	26+35	-	RT	-	20	-	20	
	29+84	-	RT	-	18	-	18	
	30+20	-	RT	-	18	-	18	
	30+55	-	RT	-	18	-	18	
	31+34	-	RT	-	18	-	18	
	32+00	33+00	LT & RT	1	-	1	-	
	32+71	-	RT	-	8	-	8	
	32+74	-	RT	-	8	-	8	
	39+91	-	RT	-	14	-	14	
	40+66	-	RT	-	18	-	18	
	48+40	-	RT	-	18	-	18	
	50+14	-	LT	-	8	-	8	
	50+72	-	LT	-	2	-	2	
	54+06	-	RT	-	78	-	78	BY STORM SEWER OUTFALL
	54+25	-	RT	-	32	-	32	BY STORM SEWER OUTFALL
	69+22	-	LT	-	4	-	4	
	69+72	-	LT	-	2	-	2	
	104+50	-	LT	-	8	-	8	
	104+82	-	LT	-	10	-	10	
	104+91	-	LT	-	2	-	2	
	105+01	-	LT	-	3	-	3	
	105+10	-	LT	-	2	-	2	
	651+25	-	LT	-	4	-	4	
	651+70	-	LT	-	20	-	20	
	652+19	-	LT	-	18	-	18	
CATEGORY 0010 TOTALS				**3**	**400**	**3**	**400**	
0060	66+78	-	RT	-	4	-	4	
	67+82	-	RT	-	4	-	4	
CATEGORY 0060 TOTALS				**0**	**8**	**0**	**8**	
PROJECT TOTALS				**3**	**408**	**3**	**408**	

REMOVING CONCRETE PAVEMENT

CATEGORY	STATION	TO STATION	LOCATION	(204.0100) REMOVING CONCRETE PAVEMENT SY	* (690.0250) SAWING CONCRETE LF	NOTES
0010	14+70	29+39	LT & RT	7,294	-	ROADWAY
	19+84	19+93	RT	10	10	DRIVEWAY
	31+78	32+18	LT & RT	219	-	ROADWAY
	32+64	33+04	LT & RT	219	-	ROADWAY
	44+83	65+31	LT & RT	10,363	-	ROADWAY
	59+37	59+46	LT	7	10	DRIVEWAY
	59+91	60+02	LT	7	11	DRIVEWAY
	60+44	60+54	LT	7	9	DRIVEWAY
	62+69	62+78	LT	5	8	DRIVEWAY
	63+23	63+32	LT	4	8	DRIVEWAY
	64+31	64+40	LT	4	10	DRIVEWAY
	97+46	97+51	RT	1	-	AROUND MANHOLE
CATEGORY 0010 TOTAL				**18,140**	**66**	
0060	58+23	65+31	LT & RT	1,945	-	
CATEGORY 0060 TOTAL				**1,945**	**0**	
PROJECT TOTAL				**20,085**	**66**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

REMOVING CURB & GUTTER

CATEGORY	STATION	TO STATION	LOCATION	(204.0130) REMOVING CURB LF	(204.0150) REMOVING CURB & GUTTER LF	* (690.0250) SAWING CONCRETE LF	NOTES
0010	12+75	14+70	LT	-	195	2.5	
	12+75	14+70	RT	-	195	2.5	
	15+30	15+49	RT	-	39	2.5	
	15+60	15+70	RT	-	30	2.5	
	18+60	18+61	LT	-	16	2.5	
	18+82	18+85	RT	-	6	2.5	
	18+86	18+86	LT	-	16	2.5	
	19+07	19+10	RT	-	6	2.5	
	21+07	21+10	RT	-	13	2.5	
	21+32	21+34	RT	-	8	2.5	
	23+51	23+66	RT	-	34	2.5	
	23+76	24+02	RT	-	47	2.5	
	23+90	23+92	LT	-	19	1.5	
	24+18	24+20	LT	-	20	1.5	
	26+75	27+23	RT	-	48	2.5	STAGE 2B TEMPORARY PAVEMENT
	26+83	26+83	LT	-	2	1.5	
	27+14	27+14	LT	-	2	1.5	
	97+14	97+58	RT & LT	-	62	5	
	97+95	106+97	RT & LT	-	769	-	
	98+18	106+78	RT & LT	-	746	-	
	27+59	31+78	RT	-	420	2.5	STAGE 2B TEMPORARY PAVEMENT
	29+39	31+78	LT	-	239	2.5	
	33+04	44+75	LT	-	1,173	2.5	
	33+04	36+98	RT	-	397	5	STAGE 2B TEMPORARY PAVEMENT
	36+98	37+02	RT	-	30	1.5	
	37+32	37+34	RT	-	30	1.5	
	37+34	43+11	RT	-	580	5	STAGE 2B TEMPORARY PAVEMENT
	43+11	44+75	RT	-	163	2.5	
	44+75	45+67	LT	-	95	5	STAGE 2A TEMPORARY PAVEMENT
	44+75	46+02	RT	-	152	5	STAGE 2B TEMPORARY PAVEMENT
	46+02	46+03	RT	-	30	2.5	
	46+34	46+35	RT	-	30	2.5	
	650+57	651+46	RT	-	90	2.5	
	650+78	652+70	LT	-	192	2.5	
	652+43	652+43	LT	-	18	2	
	652+67	652+67	LT	-	18	2	
	46+35	58+31	RT	-	1,219	5	STAGE 2B TEMPORARY PAVEMENT
	51+16	51+16	LT	-	7	2.5	
	51+52	51+52	LT	-	7	2.5	
	55+29	55+29	LT	-	7	2.5	
	55+59	55+59	LT	-	7	2.5	
	61+29	61+29	LT	-	3	2.5	
	61+58	61+58	LT	-	3	2.5	
	64+63	64+63	LT	4	-	0.5	
	64+88	64+89	LT	4	-	0.5	
	65+31	70+86	LT	-	592	1.5	
CATEGORY 0010 TOTALS				**8**	**7,775**	**113.0**	
0060	63+22	63+82	RT	60	-	-	
	65+31	68+11	RT	-	280	1.5	
CATEGORY 0060 TOTALS				**60**	**280**	**1.5**	
PROJECT TOTALS				**68**	**8,055**	**114.5**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

NOTE: CURB & GUTTER THAT IS ADJACENT TO CONCRETE PAVEMENT IS PAID FOR UNDER BID ITEM 'REMOVING CONCRETE PAVEMENT'.

NOTE: SAWING ASPHALT AND SAWING CONCRETE ALONG THE PAVEMENT EDGE TO REMOVE CURB & GUTTER FOR TEMPORARY PAVEMENT IS INCLUDED ON THE STAGING SAWCUTS MISCELLANEOUS QUANITY TABLE.

REMOVING CONCRETE SIDEWALK

CATEGORY	STATION	TO STATION	LOCATION	(204.0155) REMOVING CONCRETE SIDEWALK SY	(690.0250)* SAWING CONCRETE LF	NOTES
0010	12+64	15+38	RT	171	15	
	14+60	14+70	LT	6	10	
	15+10	15+25	LT	8	12	
	15+54	15+69	LT	8	14	
	15+61	18+77	RT	236	19	
	15+84	16+04	LT	11	10	
	16+30	16+45	LT	9	10	
	16+65	16+80	LT	10	16	
	16+93	17+08	LT	8	14	
	17+50	17+68	LT	10	10	
	17+86	18+57	LT	49	17	
	18+89	19+06	LT	13	10	
	19+07	21+10	RT	147	26	
	19+20	19+72	LT	43	13	
	19+86	20+07	LT	29	10	
	20+23	20+38	LT	8	10	
	20+61	21+06	LT	48	14	
	21+18	21+33	LT	18	10	
	21+35	23+65	RT	191	15	
	21+44	21+75	LT	32	10	
	21+83	22+35	LT	45	16	
	22+55	23+03	LT	52	10	
	23+22	23+88	LT	43	9	
	23+85	27+22	RT	192	-	
	24+19	27+69	LT	206	14	
	27+59	32+18	RT	296	-	
	28+24	32+18	LT	228	5	
	32+64	37+01	RT	246	-	
	32+64	200+00	LT	857	-	
	37+32	45+99	RT	484	-	
	42+35	45+76	LT & RT (MEDIAN)	279	-	
	200+00	206+17	LT & RT	384	47	
	45+96	46+05	LT (ISLAND)	7	-	
	46+34	46+57	LT (ISLAND)	24	-	
	46+36	58+23	RT	714	-	
	46+43	48+84	RT & LT (MEDIAN)	263	-	
	652+00	51+12	RT/LT	375	25	
	51+59	55+21	LT	258	16	
	55+64	61+22	LT	380	23	
	61+65	70+63	LT	673	77	
	104+20	104+51	LT	14	-	BICYCLE RACK PAD
	UNDISTRIBUTED (REPLACEMENT LIMIT ADJUSTMENTS)			429	43	
	CATEGORY 0010 TOTALS			**7,500**	**550**	
0060	58+23	66+75	RT	573	5	
	67+08	67+60	RT	22	49	
	CATEGORY 0060 TOTALS			**595**	**54**	
	PROJECT TOTALS			**8,095**	**604**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

NOTE: REMOVING CONCRETE STEPS SHALL BE PAID FOR AS REMOVING CONCRETE SIDEWALK

REMOVING GUARDRAIL

CATEGORY	STATION	TO STATION	LOCATION	(204.0165) REMOVING GUARDRAIL LF
0010	97+99	98+07	RT	15
	98+10	98+19	RT	15
	98+20	98+34	RT & LT	15
	PROJECT TOTAL			**45**

REMOVING VEHICULAR GATE

CATEGORY	STATION	LOCATION	(204.9060.S.01) REMOVING VEHICULAR GATE EACH
0010	45+97	RT	1
	PROJECT TOTAL		**1**

REMOVING SIDEWALK TRENCH DRAIN

CATEGORY	STATION	LOCATION	(204.9060.S.02) REMOVING SIDEWALK TRENCH DRAIN EACH
0030	49+95	LT	1
	PROJECT TOTAL		**1**

REMOVING STONE RETAINING WALL

CATEGORY	STATION	LOCATION	TO STATION	LOCATION	(204.9090.S.01) REMOVING STONE RETAINING WALL LF
0020	22+71	25' RT	23+26	81' RT	150
	PROJECT TOTAL				**150**

REMOVING METAL RAILING

CATEGORY	STATION	LOCATION	TO STATION	LOCATION	(204.9090.S.02) REMOVING METAL RAILING LF
0010	54+35	512' RT	54+53	501' RT	30
	PROJECT TOTAL				**30**

REMOVE, SALVAGE, AND REINSTALL BICYCLE RACK

CATEGORY	FROM STATION	LOCATION	TO STATION	LOCATION	(SPV.0060.04) EACH
0010	104+43	135.5' LT	105+19	9' LT	1
			PROJECT TOTAL		**1**

EARTHWORK SUMMARY

DIVISION	FROM/TO STATION	LOCATION	205.0100 EXCAVATION COMMON (1) CUT (2)	205.0100 EXCAVATION COMMON (1) EBS EXCAVATION (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.25	MASS ORDINATE +/- (14)	WASTE	208.0100 BORROW	COMMENT
5992-10-17 STAGE 1												
LAKELAND MULTI-USE PATH	109+65.53/113+66.06		9	0	0	9	811	1,014	-1,005	0	1,005	
UNDISTRIBUTED EBS				236							236	
5992-10-17 STAGE 1 SUBTOTALS			9	236	0	9	811	1,014	-1,005	0	1,241	
5992-10-17 STAGE 2A/2B												
WALTER STREET	201+50.00/206+20.00		272	0	177	95	0	0	272	272	0	
WALTER STREET MULTI-USE PATH	201+50.00/206+20.00		201	0	0	201	1	1	200	200	0	
UNDISTRIBUTED EBS				348							348	
5992-10-17 STAGE 2A/2B SUBTOTALS			473	348	177	296	1	1	472	472	348	
5992-10-17 STAGE 2B-3C												
ATWOOD AVENUE	11+50.00/70+83.71		2,116	0	0	2,116	244	305	1,811	1,811	0	
LAKELAND MULTI-USE PATH	97+33.35/116+23.84		584	0	0	584	617	771	-187	0	0	
UNDISTRIBUTED EBS				2,907							2,907	
5992-10-17 STAGE 2B-3C SUBTOTALS			2,700	2,907	0	2,700	861	1,076	1,624	1,811	2,907	
5992-10-17 GRAND TOTALS			3,182	3,491	177	3,005	1,673	2,091	1,091	2,283	4,496	
5992-10-17 TOTAL COMMON EXC			6,673									
5992-10-16 STAGE 2A/2B												
WALTER STREET	650+25.00/652+68.53		1,406	0	177	1,229	12	15	1,214	1,214	0	
TEMPORARY WIDENING	ATWOOD AVENUE		2,506									
UNDISTRIBUTED EBS				978								
5992-10-16 STAGE 2A/2B SUBTOTALS			3,912	978	177	1,229	12	15	1,214	1,214	0	
5992-10-16 STAGE 2B-3C												
ATWOOD AVENUE	11+50.00/70+83.71		31,054	0	7,816	23,238	1	1	23,237	23,237	0	
OAKRIDGE AVENUE	10+62.37/11+12.39		99	0	0	99	6	8	92	92	0	
UNDISTRIBUTED EBS				7,788								
5992-10-16 STAGE 2B-3C SUBTOTALS			31,153	7,788	7,816	23,337	7	9	23,328	23,328	0	
5992-10-16 CAT 0010 TOTAL			43,831									
5992-10-16 CAT 0100												
LAKELAND PARKING LOT	400+00.00/403+21.39		902	0	0	902	24	30	872	872	0	
UNDISTRIBUTED EBS				226								
5992-10-16 CAT 0100 SUBTOTALS			902	226	0	902	24	30	872	872	0	
5992-10-16 CAT 0100 TOTAL			1,128									
5992-10-16 GRAND TOTALS			35,967	8,992	7,993	25,468	43	54	25,414	25,414	0	
5992-10-16 TOTAL COMMON EXC			44,959									
OVERALL PROJECT GRAND SUBTOTALS			39,149	12,483	8,170	28,473	1,716	2,145	26,505	27,697	4,496	
OVERALL PROJECT TOTAL COMMON EXC			51,632									
OVERALL PROJECT TOTAL BORROW			4,496									

NOTES:

(1) EXCAVATION COMMON IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

(3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERAL UNDER PROJECT 5992-10-16 AND BORROW UNDER PROJECT 5992-10-17.

(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL INCLUDES EXISTING CONCRETE PAVEMENT

5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(13) EXPANDED FILL FACTOR = 1.25

(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

(15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

OBLITERATING OLD ROAD

CATEGORY	STATION	TO STATION	LOCATION	(214.0100) OBLITERATING OLD ROAD STA	NOTES
0010	98+05	104+60	RT & LT	4	LAKELAND AVENUE
		PROJECT TOTAL		**4**	

PROPERTY CORNERS

CATEGORY	STATION	LOCATION	(SPV.0060.12) LOCATE AND REFERENCE PROPERTY CORNERS EACH	(SPV.0060.13) RESET PROPERTY CORNERS EACH
0010	46+63.79	52.76' LT	1	1
	49+87.73	43.93' LT	1	1
	52+95.37	40.50' LT	1	1
	53+38.82	40.50' LT	1	1
	54+25.65	40.50' LT	1	1
	54+69.18	40.50' LT	1	1
	56+39.81	40.50' LT	1	1
	58+22.51	27.50' RT	1	1
	59+51.59	38.75' LT	1	1
	60+04.99	38.94' LT	1	1
	60+92.02	39.06' LT	1	1
	61+14.11	58.97' LT	1	1
	62+77.39	39.43' LT	1	1
	63+33.40	37.68' LT	1	1
	64+42.75	33.39' LT	1	1
	64+93.44	33.00' LT	1	1
	65+92.74	33.00' LT	1	1
	67+17.34	37.41' LT	1	1
	67+41.86	38.09' LT	1	1
	70+24.27	42.33' LT	1	1
	PROJECT TOTALS		**20**	**20**

PRUNING TREE

CATEGORY	DESCRIPTION	(SPV.0060.02) PRUNING TREE EACH
0010	UNDISTRIBUTED	3
	PROJECT TOTAL	**3**

ROOT PRUNING TREES

CATEGORY	STATION	LOCATION	(SPV.0060.01) ROOT PRUNING TREES EACH
0010	12+95	LT	1
	13+41	LT	1
	13+84	LT	1
	14+25	LT	1
	14+68	LT	1
	15+35	RT	1
	15+41	LT	1
	16+00	LT	1
	16+85	LT	1
	17+42	LT	1
	19+78	LT	1
	20+56	LT	1
	21+43	LT	1
	21+82	LT	1
	22+16	LT	1
	23+25	LT	1
	23+47	LT	1
	27+87	LT	1
	52+62	LT	1
	101+48	LT	1
	101+98	LT	1
	103+00	LT	1
	201+60	RT	1
	202+00	RT	1
	202+48	RT	1
	203+04	RT	1
	203+68	RT	1
	204+02	RT	1
	204+42	RT	1
	CATEGORY 0010 TOTAL		**29**
0060	61+76	RT	1
	CATEGORY 0060 TOTAL		**1**
	PROJECT TOTAL		**30**

PAVEMENT CLEANUP

CATEGORY	STATION	TO STATION	(SPV.0170.01) PAVEMENT CLEANUP STA	NOTES
0010	12+00	71+00	59	ATWOOD AVENUE
	97+00	107+00	10	LAKELAND AVENUE PARKING LOT & MULTI-USE PATH
	650+00	653+00	3	WALTER STREET
	200+00	207+00	7	WALTER STREET MULTI-USE PATH
		PROJECT TOTAL	**79**	

3

REMOVING STORM SEWER STRUCTURES

CATEGORY	STATION	LOCATION	STRUCTURE I.D.	(204.0210) REMOVING MANHOLES EACH	(204.0220) REMOVING INLETS EACH
0030	15+37	47' RT	IN 6042-008	-	1
	15+60	35' RT	CB 6042-052	1	-
	15+66	24' LT	AS 6042-006	1	-
	15+73	13' RT	IN 6042-007	-	1
	18+31	19' RT	IN 6042-018	-	1
	18+32	19' LT	IN 6042-013	1	-
	18+32	16' LT	IN 6042-019	-	1
	18+81	57' RT	IN 6042-016	-	1
	19+04	21' LT	AS 6042-014	1	-
	19+05	43' RT	IN 6042-017	-	1
	19+18	17' RT	IN 6042-015	-	1
	20+93	14' RT	IN 6042-022	-	1
	21+11	32' RT	IN 6042-023	-	1
	21+34	32' RT	IN 6042-024	-	1
	21+51	24' LT	AS 6042-025	1	-
	21+53	14' RT	IN 6042-021	-	1
	21+55	21' LT	IN 6042-020	-	1
	23+60	15' RT	IN 6042-041	-	1
	23+67	21' LT	IN 6042-037	1	-
	23+67	25' RT	IN 6042-040	-	1
	23+91	40' RT	IN 6042-039	-	1
	24+10	17' RT	IN 6042-038	-	1
	24+31	26' LT	AS 6042-026	1	-
	26+30	27' LT	AS 6142-004	1	-
	27+18	22' RT	IN 6142-008	-	1
	27+58	12' RT	IN 6142-007	1	-
	27+59	32' LT	AS 6142-005	1	-
	27+60	25' LT	IN 6142-006	-	1
	27+63	21' RT	-	-	1
	27+67	21' RT	-	-	1
	27+73	51' RT	-	-	1
	27+79	48' RT	-	-	1
	31+49	34' LT	AS 6142-003	1	-
	32+98	37' RT	AS 6143-001	1	-
	36+48	39' RT	AS 6143-002	1	-
	36+60	26' RT	AS 6143-003	1	-
	36+67	23' RT	IN 6143-005	-	1
	36+67	23' LT	IN 6143-004	-	1
	45+78	3' RT	IN 6243-026	-	1
	46+02	61' RT	IN 6243-025	-	1
	46+40	26' LT	AS 6243-027	1	-
	46+46	42' RT	IN 6243-066	-	1
	47+36	34' LT	IN 6243-023	-	1
	47+38	1' RT	AS 6243-021	1	-
	47+39	35' RT	IN 6243-022	-	1
	51+43	34' RT	AS 6244-004	1	-
	51+43	49' RT	AS 6244-005	1	-
	52+37	16' RT	-	-	1
	52+38	13' LT	AS 6244-009	1	-
	55+04	14' LT	AS 6244-008	1	-
	55+44	16' RT	IN 6244-007	-	1
	58+76	17' RT	IN 6244-006	-	1
	70+04	32' LT	IN 6345-022	-	1
	70+12	32' LT	IN 6345-021	-	1
	102+12	204' LT	IN 6042-035	-	1
	102+17	180' LT	IN 6042-036	-	1
	102+17	174' LT	AS 6042-034	1	-
	652+30	13' LT	AS 6243-042	1	-
	652+31	29' LT	AS 6243-002	1	-
	652+38	21' LT	IN 6243-041	-	1
	652+46	21' LT	IN 6243-040	-	1
	PROJECT TOTALS			**23**	**38**

REMOVING STORM SEWER

CATEGORY	STATION	TO STATION	LOCATION	SIZE 01. (204.0245.01) 12-INCH OR LESS LF	SIZE 02. (204.0245.02) 15-INCH LF	SIZE 03. (204.0245.03) 18-INCH LF	SIZE 04. (204.0245.04) 21-INCH LF	SIZE 05. (204.0245.05) 24-INCH LF	SIZE 06. (204.0245.06) 30-INCH LF	SIZE 07. (204.0245.07) 48-INCH LF	SIZE 08. (204.0245.08) 54-INCH LF
0030	15+37	15+60	RT	26	-	-	-	-	-	-	-
	15+60	15+68	RT	-	-	20	-	-	-	-	-
	15+60	15+73	RT	-	25	-	-	-	-	-	-
	15+66	15+73	LT & RT	-	38	-	-	-	-	-	-
	15+66	15+90	LT	23	-	-	-	-	-	-	-
	16+10	16+75	LT	65	-	-	-	-	-	-	-
	16+95	17+31	LT	36	-	-	-	-	-	-	-
	17+51	18+32	LT	81	-	-	-	-	-	-	-
	18+31	18+32	RT & LT	34	-	-	-	-	-	-	-
	18+32	18+32	LT	3	-	-	-	-	-	-	-
	18+32	19+04	LT	73	-	-	-	-	-	-	-
	18+81	19+05	RT	26	-	-	-	-	-	-	-
	19+04	19+05	LT & RT	-	64	-	-	-	-	-	-
	19+04	19+18	LT & RT	40	-	-	-	-	-	-	-
	19+04	19+68	LT	-	63	-	-	-	-	-	-
	19+88	20+45	LT	-	57	-	-	-	-	-	-
	20+65	21+51	LT	-	86	-	-	-	-	-	-
	20+93	20+93	LT & RT	38	-	-	-	-	-	-	-
	21+11	21+34	RT	23	-	-	-	-	-	-	-
	21+34	21+53	RT	-	26	-	-	-	-	-	-
	21+51	21+55	LT	5	-	-	-	-	-	-	-
	21+51	21+72	LT	-	21	-	-	-	-	-	-
	21+53	21+55	RT & LT	-	34	-	-	-	-	-	-
	21+92	22+06	LT	-	14	-	-	-	-	-	-
	22+26	23+15	LT	-	89	-	-	-	-	-	-
	23+35	23+42	LT	-	7	-	-	-	-	-	-
	23+57	23+67	LT	-	11	-	-	-	-	-	-
	23+60	23+67	RT	11	-	-	-	-	-	-	-
	23+67	24+31	LT	-	-	64	-	-	-	-	-
	23+67	24+10	RT	-	-	49	-	-	-	-	-
	23+91	24+10	RT	30	-	-	-	-	-	-	-
	24+10	24+31	RT & LT	-	-	47	-	-	-	-	-
	24+31	26+30	LT	-	-	198	-	-	-	-	-
	26+30	27+59	LT	-	-	-	-	127	-	-	-
	27+18	27+58	RT	42	-	-	-	-	-	-	-
	27+58	27+59	RT & LT	36	-	-	-	-	-	-	-
	27+58	27+63	RT	11	-	-	-	-	-	-	-
	27+59	27+60	LT	6	-	-	-	-	-	-	-
	27+59	27+68	LT	-	-	-	-	9	-	-	-
	27+63	27+67	RT	4	-	-	-	-	-	-	-
	27+63	27+79	RT	31	-	-	-	-	-	-	-
	27+73	27+79	RT	6	-	-	-	-	-	-	-
	28+28	31+49	LT	-	-	-	-	322	-	-	-
	31+49	31+65	LT	-	-	-	-	17	-	-	-
	32+68	32+98	RT	-	39	-	-	-	-	-	-
	32+98	36+48	RT	-	350	-	-	-	-	-	-
	36+48	36+60	RT	-	18	-	-	-	-	-	-
	36+60	36+67	RT	8	-	-	-	-	-	-	-
	36+67	36+67	LT & RT	46	-	-	-	-	-	-	-
	45+78	46+40	RT & LT	69	-	-	-	-	-	-	-
	46+02	46+46	RT	46	-	-	-	-	-	-	-
	46+40	46+46	LT & RT	68	-	-	-	-	-	-	-
	46+40	47+38	LT & RT	-	103	-	-	-	-	-	-
	46+40	652+31	LT	-	-	214	-	-	-	-	-
	47+36	47+38	LT & RT	34	-	-	-	-	-	-	-

(CONTINUED ON NEXT SHEET)

REMOVING STORM SEWER (CONTINUED)

CATEGORY	STATION	TO STATION	LOCATION	SIZE 01. (204.0245.01) 12-INCH OR LESS LF	SIZE 02. (204.0245.02) 15-INCH LF	SIZE 03. (204.0245.03) 18-INCH LF	SIZE 04. (204.0245.04) 21-INCH LF	SIZE 05. (204.0245.05) 24-INCH LF	SIZE 06. (204.0245.06) 30-INCH LF	SIZE 07. (204.0245.07) 48-INCH LF	SIZE 08. (204.0245.08) 54-INCH LF
0030	47+38	47+39	RT	34	-	-	-	-	-	-	-
	47+38	52+38	RT & LT	-	501	-	-	-	-	-	-
	51+42	51+43	LT & RT	-	-	-	-	-	-	88	-
	51+43	51+43	RT	-	-	-	-	-	-	-	15
	52+37	52+38	RT & LT	29	-	-	-	-	-	-	-
	52+38	55+04	LT	-	266	-	-	-	-	-	-
	55+04	55+44	LT & RT	-	49	-	-	-	-	-	-
	55+44	58+76	RT	-	332	-	-	-	-	-	-
	70+04	70+12	LT	8	-	-	-	-	-	-	-
	102+12	102+17	LT	27	-	-	-	-	-	-	-
	102+17	102+17	LT	5	-	-	-	-	-	-	-
	102+17	102+20	LT	19	-	-	-	-	-	-	-
	652+30	652+31	LT	-	-	-	-	-	17	-	-
	652+30	652+28	LT	-	-	-	-	12	-	-	-
	652+30	652+64	LT	-	-	-	34	-	-	-	-
	652+31	652+39	LT	-	-	-	-	-	39	-	-
	652+31	652+38	LT	12	-	-	-	-	-	-	-
	652+38	652+46	LT	8	-	-	-	-	-	-	-
PROJECT TOTALS				**1,063**	**2,193**	**592**	**34**	**487**	**56**	**88**	**15**

CONSTRUCTION STAKING

CATEGORY	STATION	TO STATION	LOCATION	* (650.4500) SUBGRADE LF	* (650.5000) BASE LF	(650.9911.01) SUPPLEMENTAL CONTROL EACH	(650.8000) RESURFACING REFERENCE LF	(650.9920) SLOPE STAKES LF
0010	12+75	68+11	LT & RT	5,536	5,536	-	-	5,536
	68+11	70+27	LT & RT	-	-	-	216	-
	97+04	107+00	LT & RT	-	-	-	-	996
	650+00	652+69	LT & RT	269	269	-	-	269
	200+00	206+17	RT	-	-	-	-	617
		PROJECT 5992-10-16		-	-	1	-	-
		CATEGORY 0010 TOTALS		**5,805**	**5,805**	**1**	**216**	**7,418**
0100	LAKELAND AVENUE PARKING LOT		LT & RT	389	389	-	-	389
		CATEGORY 0100 TOTALS		**389**	**389**	**0**	**0**	**389**
		PROJECT TOTALS		**6,194**	**6,194**	**1**	**216**	**7,807**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

CONCRETE PAVEMENT APPROACH SLAB

CATEGORY	STATION	TO STATION	LOCATION	(415.0410) CONCRETE PAVEMENT APPROACH SLAB SY
0010	32+03	32+18	LT & RT	71
	32+64	32+79	LT & RT	71
PROJECT TOTAL				**142**

NOTE: BASE AGGREGATE DENSE 1 1/4-INCH AND SELECT CRUSHED MATERIAL UNDER THE APPROACH SLAB ARE INCLUDED WITH THE HMA PAVEMENT BID ITEMS

RAISED CONCRETE CROSSWALK

CATEGORY	STATION	TO STATION	LOCATION	(SPV.0180.01) RAISED CONCRETE CROSSWALK SY
0010	55+13	55+72	LT	88
	61+04	61+68	LT	88
PROJECT TOTAL				**176**

HMA PAVEMENT

CATEGORY	STATION	TO STATION	LOCATION	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	* (312.0110) SELECT CRUSHED MATERIAL TON	(450.4000) HMA COLD WEATHER PAVING TON	(460.5223) HMA PAVEMENT 3 LT 58-28 S TON	* (460.5224) HMA PAVEMENT 4 LT 58-28 S TON	* (455.0605) TACK COAT GAL	* (624.0100) WATER MGAL
0010	12+75	32+03	LT & RT	8,302	6,759	-	1,872	1,055	417	116
	32+79	68+11	LT & RT	14,390	11,715	1,800	3,200	-	714	202
	68+11	70+89	LT	126	102	-	5	3	1	2
UNDISTRIBUTED (EBS)				-	8,766	-	-	-	-	-
CATEGORY 0010 TOTALS				**22,818**	**27,343**	**1,800**	**5,077**	**1,058**	**1,132**	**320**
0060	58+23	68+11	LT & RT	2,350	1,915	-	580	325	130	33
CATEGORY 0060 TOTALS				**2,350**	**1,915**	**0**	**580**	**325**	**130**	**33**
PROJECT TOTALS				**25,168**	**29,258**	**1,800**	**5,657**	**1,382**	**1,262**	**353**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

NOTE: WATER IS FOR DUST CONTROL AND COMPACTION

HMA PAVEMENT MILL AND OVERLAY

CATEGORY	STATION	TO STATION	LOCATION	(204.0115) REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	(204.0120) REMOVING ASPHALTIC SURFACE MILLING SY	* (460.5224) HMA PAVEMENT 4 LT 58-28 S TON	* (455.0605) TACK COAT GAL
0010	68+11	70+27	LT	6	530	60	37
CATEGORY 0010 TOTALS				**6**	**530**	**60**	**37**
0060	68+11	70+27	RT	8	705	79	49
CATEGORY 0060 TOTALS				**8**	**705**	**79**	**49**
PROJECT TOTALS				**14**	**1,235**	**139**	**86**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

LAKELAND AVENUE PARKING LOT

CATEGORY	STATION	TO STATION	LOCATION	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	* (312.0110) SELECT CRUSHED MATERIAL TON	* (460.5224) HMA PAVEMENT 4 LT 58-28 S TON	* (624.0100) WATER MGAL
0100	104+64	106+53	LT	1,110	-	260	16
UNDISTRIBUTED (EBS)				-	226	-	-
PROJECT TOTALS				**1,110**	**226**	**260**	**16**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

NOTE: WATER IS FOR DUST CONTROL AND COMPACTION

DRIVEWAYS

CATEGORY	STATION	LOCATION	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	(416.0170) CONCRETE DRIVEWAY 7-INCH SY	(416.0270) CONCRETE DRIVEWAY HES 7-INCH SY	(465.0120) ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	* (690.0150) SAWING ASPHALT LF	* (690.0250) SAWING CONCRETE LF
0010	16+48	RT	5	15	-	-	-	12
	16+97	RT	5	14	-	-	-	10
	17+55	RT	7	20	-	-	-	22
	19+47	LT	6	17	-	-	-	11
	19+87	RT	9	26	-	-	-	10
	19+94	LT	8	25	-	-	-	17
	20+76	LT	10	31	-	-	-	24
	21+23	LT	5	16	-	-	-	10
	21+66	LT	8	25	-	-	-	16
	22+05	LT	7	20	-	-	-	13
	22+82	LT	12	36	-	-	-	20
	26+92	RT	9	28	-	-	-	-
	26+99	LT	19	49	-	1	29	-
	34+10	LT	22	-	65	-	25	-
	37+17	RT	22	19	-	8	28	-
	46+18	RT	66	60	-	23	28	-
	49+69	LT	7	20	-	-	25	-
	52+90	LT	3	9	-	-	-	12
	53+37	LT	3	9	-	-	-	8
	53+79	LT	3	10	-	-	-	10
	54+20	LT	4	11	-	-	-	13
	54+64	LT	3	10	-	-	-	12
	56+87	LT	3	8	-	-	-	11
	57+42	LT	3	10	-	-	-	16
	57+60	LT	3	9	-	-	-	15
	58+95	LT	2	7	-	-	12	-
	59+42	LT	5	14	-	-	-	10
	59+96	LT	5	15	-	-	-	11
	60+49	LT	4	13	-	-	-	9
	62+75	LT	5	16	-	-	-	8
	63+27	LT	4	12	-	-	-	8
	63+81	LT	5	8	-	1	11	-
	64+37	LT	3	10	-	-	-	10
	64+75	LT	6	10	-	2	26	-
	65+60	LT	4	11	-	-	30	-
	67+28	LT	7	16	-	1	25	-
	68+28	LT	5	16	-	-	27	-
	97+43 - 98+33	LT	30	-	-	15	10	-
	652+53	LT	20	-	33	5	22	-
	205+57	LT	3	-	-	2	15	-
	CATEGORY 0010 TOTALS		**361**	**646**	**98**	**57**	**313**	**318**
0060	58+55	RT	9	27	-	-	60	-
	59+20	RT	10	29	-	-	69	-
	59+94	RT	11	22	-	2	82	-
	60+76	RT	12	24	-	2	75	-
	61+33	RT	7	21	-	-	-	26
	62+51	RT	6	19	-	-	-	24
	64+56	RT	9	18	-	2	24	-
	67+34	RT	6	18	-	-	-	49
	CATEGORY 0060 TOTALS		**70**	**177**	**0**	**6**	**310**	**99**
	PROJECT TOTALS		**431**	**823**	**98**	**63**	**623**	**417**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

CONCRETE CURB & GUTTER

CATEGORY	STATION	TO STATION	LOCATION	(601.0407) CONCRETE CURB & GUTTER 18-INCH TYPE D LF	(SPV.0090.02) CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL LF	(SPV.0090.07) CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL LF	(SPV.0090.03) CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL LF	(SPV.0090.08) CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL LF	(SPV.0090.04) CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL HF LF	(SPV.0090.05) CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL HF LF	(SPV.0090.06) CONCRETE CURB & GUTTER 24-INCH TYPE X SPECIAL LF	(SPV.0090.09) CONCRETE CURB & GUTTER TYPE SPECIAL PARKING LOT LF	(SPV.0090.10) CONCRETE GUTTER 24-INCH TYPE D SPECIAL LF	(601.0600) CONCRETE CURB PEDESTRIAN	(650.5500) CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
0010	12+75	15+49	RT	-	271	-	35	-	-	-	-	-	-	67	373
	12+75	18+62	LT	-	271	-	10	-	310	25	-	-	-	-	616
	15+58	18+85	RT	-	370	-	20	-	-	-	-	-	-	92	482
	18+41	18+52	RT (MEDIAN)	-	22	-	-	-	-	-	-	-	-	-	22
	18+84	23+82	LT	-	451	-	10	-	110	-	-	-	-	21	592
	19+02	21+12	RT	-	223	-	25	-	-	-	20	-	-	-	268
	19+05	19+15	RT (MEDIAN)	-	-	-	-	-	-	-	-	-	25	-	25
	21+31	23+67	RT	-	249	-	20	-	-	-	36	-	-	-	305
	23+76	32+18	RT	-	816	-	35	15	-	-	-	-	-	-	866
	24+19	32+18	LT	-	816	15	-	-	-	-	-	5	-	-	836
	97+04	97+49	RT & LT	-	-	-	62	-	-	-	-	-	-	-	62
	27+43	31+56	RT (MEDIAN)	-	826	-	-	-	-	-	-	-	-	14	840
	32+64	652+69	LT	-	1,476	15	59	-	-	-	-	-	-	-	1,550
	111+13	111+33	LT	-	20	-	-	-	-	-	-	-	-	-	20
	32+64	58+23	RT	-	2,520	-	13	15	-	-	-	-	-	-	2,548
	37+03	37+03	RT	16	-	-	-	-	-	-	-	-	-	-	16
	37+31	37+31	RT	16	-	-	-	-	-	-	-	-	-	-	16
	112+29	112+49	LT	-	20	-	-	-	-	-	-	-	-	-	20
	34+53	36+85	RT (MEDIAN)	-	465	-	-	-	-	-	-	-	-	14	479
	39+68	45+69	RT (MEDIAN)	-	1,201	-	-	-	-	-	-	-	-	8	1,209
	46+07	46+07	RT	-	-	-	49	-	-	-	-	-	-	-	49
	46+33	46+33	RT	-	-	-	47	-	-	-	-	-	-	-	47
	651+46	51+17	RT/LT	-	614	-	20	-	-	-	-	-	-	-	634
	652+43	652+43	LT	-	12	-	-	-	-	-	-	-	-	-	12
	652+67	652+67	LT	-	12	-	-	-	-	-	-	-	-	-	12
	46+59	49+29	RT (MEDIAN)	-	537	-	-	-	-	-	-	-	-	8	545
	49+96	50+97	RT (MEDIAN)	-	201	-	-	-	-	-	-	-	-	10	211
	51+52	55+30	LT	-	371	28	20	-	25	-	-	-	-	-	444
	55+58	61+30	LT	-	563	62	20	-	-	-	-	-	-	-	645
	61+56	70+86	LT	46	925	24	10	-	-	-	-	-	-	8	1,013
CATEGORY 0010 TOTALS				**78**	**13,252**	**144**	**455**	**30**	**445**	**25**	**56**	**5**	**25**	**242**	**14,757**
0060	58+23	68+11	RT	50	932	-	-	-	-	-	-	-	-	164	1,146
CATEGORY 0060 TOTALS				**50**	**932**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**164**	**1,146**
0100	104+54	106+55	LT (PARKING LOT)	-	-	-	681	-	-	-	-	-	-	-	681
CATEGORY 0100 TOTALS				**0**	**0**	**0**	**681**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**681**
PROJECT TOTALS				**128**	**14,184**	**144**	**1,136**	**30**	**445**	**25**	**56**	**5**	**25**	**406**	**16,584**

NOTE: BASE AGGREGATE DENSE 1 1/4-INCH UNDER THE CURB & GUTTER IS INCLUDED WITH THE HMA PAVEMENT BID ITEMS

CONCRETE STEPS

CATEGORY	STATION	TO STATION	LOCATION	(602.1500) CONCRETE STEPS SF
0010	18+38	18+46	RT	35
PROJECT TOTAL				**35**

CONCRETE MEDIAN SLOPED NOSE

CATEGORY	STATION	TO STATION	LOCATION	(620.0300) CONCRETE MEDIAN SLOPED NOSE SF	NOTES
0010	18+38	18+41	RT	24	TYPE 1
	18+52	18+55	RT	24	TYPE 1
	27+37	27+43	RT	53	TYPE 1
	31+56	31+62	RT	50	TYPE 1
	34+47	34+53	RT	50	TYPE 1
	36+85	36+91	RT	53	TYPE 1
	39+62	39+68	RT	53	TYPE 1
	45+69	45+75	RT	41	TYPE 1
	46+53	46+59	RT	41	TYPE 1
	49+27	49+33	RT	40	TYPE 1
	49+90	49+96	RT	56	TYPE 1
	50+97	51+03	RT	40	TYPE 1
PROJECT TOTAL				**525**	

CONCRETE SIDEWALK

CATEGORY	STATION	TO STATION	LOCATION	* (305.0110) BASE AGGREGATE DENSE 3/4-INCH TON	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	(405.1000) STAMPING COLORED CONCRETE CY	(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	(650.9000) CONSTRUCTION STAKING CURB RAMPS EACH	(650.9500.01) CONSTRUCTION STAKING SIDEWALK EACH
0010	12+64	15+38	RT	32	-	-	2,495	20	-	20.81	1	-
	14+60	14+70	LT	1	-	-	50	-	-	-	-	-
	15+10	15+25	LT	1	-	-	75	-	-	-	-	-
	15+54	15+69	LT	1	-	-	75	-	-	-	-	-
	15+61	18+77	RT	30	-	-	2,435	-	10	39.86	3	-
	15+84	16+04	LT	1	-	-	100	-	-	-	-	-
	16+30	16+45	LT	1	-	-	75	-	-	-	-	-
	16+65	16+80	LT	1	-	-	95	-	-	-	-	-
	16+93	17+08	LT	1	-	-	75	-	-	-	-	-
	17+50	17+68	LT	1	-	-	90	-	-	-	-	-
	17+86	18+59	LT	6	-	-	475	-	-	22.77	2	-
	18+41	18+52	RT (MEDIAN)	-	1	0.31	40	-	-	-	1	-
	18+85	19+06	LT	2	-	-	185	-	10	11.93	2	-
	19+00	19+14	RT (MEDIAN)	-	1	0.15	40	-	-	-	1	-
	19+03	21+11	RT	22	-	-	1,750	20	24	16.40	3	-
	19+20	19+72	LT	3	-	-	210	-	-	-	-	-
	19+86	20+07	LT	0	-	-	30	-	-	-	-	-
	20+23	20+38	LT	1	-	-	75	-	-	-	-	-
	20+61	21+06	LT	2	-	-	125	-	-	-	-	-
	21+36	23+66	RT	26	-	-	2,115	-	20	37.80	3	-
	21+44	21+75	LT	1	-	-	75	-	-	-	-	-
	21+83	22+35	LT	3	-	-	210	-	-	-	-	-
	22+55	23+03	LT	2	-	-	125	-	-	-	-	-
	23+22	23+89	LT	7	-	-	605	-	36	-	2	-
	24+06	24+35	RT	10	-	-	-	265	-	37.11	1	-
	24+20	27+71	LT	43	-	-	2,480	340	36	-	2	-
	27+58	27+72	RT	1	-	-	-	105	20	-	1	-
	27+60	27+70	RT (MEDIAN)	-	2	-	-	70	40	-	1	-
	28+12	28+22	RT	1	-	-	60	-	-	-	-	-
	28+20	28+50	RT	3	-	-	-	240	-	-	-	-
	28+24	32+18	LT	39	-	-	3,170	-	-	-	-	-
	32+63	45+86	LT	135	-	-	9,890	1,330	40	24.90	3	-
	36+39	36+53	RT	1	-	-	-	65	20	-	1	-
	36+41	36+51	RT (MEDIAN)	-	2	-	-	70	40	-	1	-
	43+33	45+73	RT (MEDIAN)	-	24	14.35	930	40	-	-	1	-
	45+51	45+72	RT	2	-	-	-	185	20	-	1	-
	46+30	46+70	LT	19	-	-	905	660	40	-	2	-
	46+55	49+30	RT (MEDIAN)	-	27	16.28	1,055	40	-	-	1	-
	46+63	46+77	RT	3	-	-	-	240	20	-	1	-
	46+85	46+95	RT	0	-	-	40	-	-	-	-	-
	47+30	47+97	RT	5	-	-	-	390	-	-	-	-
	49+96	50+97	RT (MEDIAN)	-	17	9.49	615	50	-	-	1	-
	50+29	50+32	LT	0	-	-	10	-	-	-	-	-
	50+59	50+61	LT	0	-	-	10	-	-	-	-	-
	50+80	51+16	LT	1	-	-	100	400	20	27.06	2	-
	50+75	50+95	RT	2	-	-	-	125	20	-	1	-
	51+54	51+86	LT	1	-	-	105	420	20	26.23	2	-
	51+71	51+91	RT	2	-	-	-	145	20	-	1	-
	52+42	52+84	LT	6	-	-	500	-	-	-	-	-
	55+00	55+27	LT	6	-	-	140	335	10	25.05	2	-
	54+98	55+06	RT	1	-	-	60	-	10	-	1	-
	55+58	55+87	LT	6	-	-	115	335	10	25.09	2	-
	55+80	55+88	RT	1	-	-	60	-	10	-	1	-
	56+07	56+37	LT	2	-	-	-	165	-	-	-	-
	56+26	56+96	RT	5	-	-	-	420	-	-	-	-
	57+95	58+26	RT	1	-	-	100	-	-	-	-	-
	60+98	61+26	LT	2	-	-	140	330	10	27.45	2	-
	61+57	61+85	LT	5	-	-	135	310	10	20.66	2	-
	69+33	69+63	LT	3	-	-	-	280	-	-	-	-
	70+21	70+63	LT	6	-	-	150	325	10	25.16	2	-
	97+14	97+43	RT & LT	2	-	-	-	155	-	39.37	1	-
	105+15	105+23	LT	1	-	-	60	-	-	-	-	-
	105+16	105+33	LT	2	-	-	-	130	16	-	1	-
	652+23	652+31	LT	1	-	-	80	-	10	-	1	-
		PROJECT 5992-10-16		-	-	-	-	-	-	-	-	1
		UNDISTRIBUTED (REPLACEMENT LIMIT ADJUSTMENTS)		28	-	-	2,000	-	-	-	-	-
		CATEGORY 0010 TOTALS		**490**	**73**	**40.59**	**34,535**	**8,005**	**552**	**427.65**	**56**	**1**
0060	58+21	66+75	RT	48	-	-	3,885	-	20	-	2	-
		CATEGORY 0060 TOTALS		**48**	**0**	**0**	**3,885**	**0**	**20**	**0**	**2**	**0**
		PROJECT TOTALS		**538**	**73**	**40.59**	**38,420**	**8,005**	**572**	**427.65**	**58**	**1**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

SEALING PIPES

CATEGORY	STATION	TO STATION	LOCATION	(204.0280) SEALING PIPES EACH	PIPE DIA.
0030	15+90	16+10	LT	1	12"
	16+75	16+95	LT	1	12"
	17+31	17+51	LT	1	12"
	19+68	19+88	LT	1	15"
	20+45	20+65	LT	1	15"
	21+72	21+92	LT	1	15"
	22+06	22+26	LT	1	15"
	23+15	23+35	LT	1	15"
	23+42	23+57	LT	1	15"
	27+68	28+28	LT	1	24"
	31+65	32+20	LT	1	24"
	32+60#	652+39	LT	1	30"
		PROJECT TOTAL		**12**	

NOTE: SEALING PIPES INCLUDES SEALING BOTH ENDS

#SEAL 30" ENDWALL STRUCTURE AT STARKWEATHER CREEK

RECONSTRUCT BENCH AND FLOWLINES, STORM SEWER

CATEGORY	STRUCTURE I.D.	STATION	LOCATION	(SPV.0060.10) RECONSTRUCT BENCH AND FLOWLINES, STORM SEWER EACH
0030	EX. PARKS MH	652+39	68' LT	1
		PROJECT TOTAL		**1**

CONCRETE PIPE SUPPORT

CATEGORY	STATION	LOCATION	* (SPV.0060.09) CONCRETE PIPE SUPPORT EACH
0030	23+69	38' RT	1
	46+29	25' RT	1
	650+10	11' LT	1
	UNDISTRIBUTED		2
	PROJECT TOTAL		**5**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

PIPE UNDERDRAIN

CATEGORY	LOW POINT STRUCTURE	LOW POINT STATION	LOW POINT LOCATION	(612.0106) PIPE UNDERDRAIN 6-INCH LF	(310.0115) BASE AGGREGATE OPEN-GRADED CY	* (645.0111) GEOTEXTILE TYPE DF SCHEDULE A SY
0010	1.2	15+81.00	12.00' RT	50	2	28
	1.3A	15+26.23	27.10' RT	50	2	28
	2.1A	17+33.50	14.25' RT	50	2	28
	2.2A	18+32.00	21.00' LT	50	2	28
	2.2B	18+32.00	20.06' RT	50	2	28
	2.3F	19+28.85	16.00' RT	50	2	28
	2.4A	20+93.00	21.00' LT	50	2	28
	2.4B	20+93.00	12.00' RT	50	2	28
	2.5A	22+40.00	12.00' RT	50	2	28
	3.1A	23+40.00	21.00' LT	50	2	28
	3.1B	23+40.00	12.00' RT	50	2	28
	3.3B	26+40.00	26.20' RT	50	2	28
	3.4	27+46.50	10.00' RT	75	3	42
	3.4A	27+46.50	10.00' RT	150	6	83
	3.4B	27+46.50	1.00' RT	75	3	42
	3.4C	27+44.00	24.00' RT	150	6	83
	4.1A	30+50.00	23.00' LT	50	2	28
	4.1B	30+50.00	1.00' RT	50	2	28
	4.1C	30+50.00	9.00' RT	50	2	28
	4.1D	30+50.00	23.00' RT	50	2	28
	5.1A	36+75.00	23.00' LT	150	6	83
	5.1B	36+75.00	1.00' RT	75	3	42
	5.1C	36+75.00	10.00' RT	75	3	42
	5.1D	36+75.00	24.00' RT	75	3	42
	5.1I	37+45.00	24.00' RT	50	2	28
	5.2A	39+75.00	23.00' LT	50	2	28
	5.2B	39+75.00	1.00' RT	50	2	28
	5.2C	39+75.00	10.25' RT	50	2	28
	5.2D	39+75.00	24.45' RT	50	2	28
	5.2E	40+75.00	27.75' RT	50	2	28
	6.1A	45+20.00	23.30' LT	50	2	28
	6.1B	45+20.00	1.00' RT	50	2	28
	6.1C	45+20.00	7.00' RT	50	2	28
	6.1D	45+20.00	32.00' RT	50	2	28
	7.1A	47+23.00	23.00' LT	150	6	83
	7.1B	47+23.00	12.00' RT	125	5	69
	7.1C	47+23.00	16.82' RT	125	5	69
	7.1G	47+31.00	40.59' RT	150	6	83
	7.2	50+00.00	10.86' RT	50	2	28
	7.2A	49+95.00	23.00' LT	50	2	28
	7.2B	50+00.00	1.00' RT	50	2	28
	7.2C	50+00.00	26.67' RT	50	2	28
	7.6A	51+95.00	23.00' LT	50	2	28
	7.6B	51+95.00	14.04' RT	50	2	28
	8.1A	53+90.00	13.00' RT	50	2	28
	8.2A	55+93.00	23.00' LT	50	2	28
	8.2C	56+03.00	13.00' RT	50	2	28
	8.3A	58+82.00	23.00' LT	50	2	28
	9.2C	61+92.52	23.00' LT	50	2	28
	12.1	651+16.00	22.71' LT	50	2	28
	CATEGORY 0010 TOTALS			**3,275**	**131**	**1,819**
0060	8.3B	58+82.00	17.50' RT	50	2	28
	9.1A	60+50.00	17.50' RT	50	2	28
	9.2D	61+97.00	17.50' RT	50	2	28
	CATEGORY 0060 TOTALS			**150**	**6**	**84**
	PROJECT TOTALS			**3,425**	**137**	**1,903**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

STORM SEWER PIPE REINFORCED CONCRETE

CATEGORY	PIPE ID	FROM STRUCTURE ID	TO STRUCTURE ID	(608.0312) CLASS III 12-INCH LF	(608.0315) CLASS III 15-INCH LF	(608.0318) CLASS III 18-INCH LF	(608.0324) CLASS III 24-INCH LF	(608.0348) CLASS III 48-INCH LF	(608.0360) CLASS III 60-INCH LF	(608.0366) CLASS III 66-INCH LF	(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	(504.2000.S) PRECAST CONCRETE BOX CULVERT, 3 FT x 6 FT LF	(608.6012) STORM SEWER PIPE COMPOSITE 12-INCH LF	(520.8000) CONCRETE COLLARS FOR PIPE EACH
0030	P1-1	1.1	2.1	-	-	-	-	-	-	-	-	-	153	-	-	-	-	-
	P1-2	1.1	1.2	-	-	-	-	-	-	-	-	-	27	-	-	-	-	-
	P1-3	1.2	1.3	-	-	-	-	-	-	-	-	-	33	-	-	-	-	-
	P1-4	1.3	1.4	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-
	P1-5	1.4	1.5	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-
	P1-6	1.3	1.3A	-	-	-	-	-	-	-	33	-	-	-	-	-	-	-
	P2-1	2.1	2.2	-	-	-	-	-	-	-	-	-	98	-	-	-	-	-
	P2-2	2.2	2.3	-	-	-	-	-	-	-	-	-	-	89	-	-	-	-
	P2-3	2.3	2.4	-	-	-	172	-	-	-	-	-	-	-	-	-	-	-
	P2-4	2.4	2.5	-	-	-	147	-	-	-	-	-	-	-	-	-	-	-
	P2-5	2.5	3.1	-	-	-	-	-	-	-	-	-	-	-	100	-	-	-
	P2-6	2.1	2.1A	-	-	-	-	-	-	-	29	-	-	-	-	-	-	-
	P2-7	2.2	2.2A	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-
	P2-8	2.2	2.2B	-	-	-	-	-	-	-	35	-	-	-	-	-	-	-
	P2-9	2.2A	2.2C	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-
	P2-10	2.3	2.3A	-	-	32	-	-	-	-	-	-	-	-	-	-	-	-
	P2-11	2.3A	2.3B	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P2-12	2.3B	2.3C	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P2-13	2.3C	2.3D	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P2-14	2.3D	2.3E	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P2-15	2.4	2.4A	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P2-16	2.4	2.4B	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P2-17	2.4B	2.4C	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P2-18	2.4C	2.4D	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P2-19	2.5	2.5A	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P2-20	2.3A	2.3F	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P3-1	3.1	3.2	-	-	-	-	-	-	-	-	-	-	-	84	-	-	-
	P3-2	3.2	3.3	-	-	-	-	-	-	-	-	-	-	-	229	-	-	-
	P3-3	3.3	3.4	-	-	-	-	-	-	-	-	-	-	-	-	97	-	-
	P3-4	3.4	4.1	-	-	-	-	-	-	-	-	-	-	-	-	305	-	-
	P3-5	3.1	3.1A	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-
	P3-6	3.1	3.1B	-	-	-	-	-	-	-	26	-	-	-	-	-	-	-
	P3-7	3.2	3.2A	-	-	-	-	-	-	-	54	-	-	-	-	-	-	-
	P3-8	3.2A	3.2B	-	-	-	-	-	-	-	28	-	-	-	-	-	-	-
	P3-9	3.3	3.5	-	-	-	-	-	-	-	-	-	-	-	38	-	-	-
	P3-10	3.3	3.3A	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-
	P3-11	3.3A	3.3B	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
	P3-12	3.4A	3.4B	-	-	-	-	-	-	-	-	24	-	-	-	-	-	-
	P3-13	3.4B	3.4	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-
	P3-14	3.4	3.4C	-	-	-	-	-	-	-	-	14	-	-	-	-	-	-
	P3-15	3.4A	3.4D	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
	P3-16	3.4G	3.4C	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
	P3-17	3.4F	3.4G	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
	P3-18	3.4E	3.4F	-	-	-	-	-	-	-	41	-	-	-	-	-	-	-
	P3-19	3.4C	3.4H	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
	P3-20	3.4E	3.4I	-	-	-	-	-	-	-	26	-	-	-	-	-	-	-
	P3-21	3.1B	3.1C	-	-	-	-	-	-	-	21	-	-	-	-	-	-	-
	P4-1	4.1	EW.4A	-	-	-	-	158	-	-	-	-	-	-	-	-	-	-
	P4-2	4.1	4.1D	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P4-3	4.1C	4.1D	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P4-4	4.1B	4.1C	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P4-5	4.1A	4.1B	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P4-6	EW.4B	4.2	-	-	-	97	-	-	-	-	-	-	-	-	-	-	-
	P4-7	4.2	5.1	-	-	-	-	-	-	-	-	-	-	320	-	-	-	-
	P4-8	4.3A	EW.4C	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(CONTINUED ON NEXT SHEET)

STORM SEWER PIPE REINFORCED CONCRETE (CONTINUED)

CATEGORY	PIPE ID	FROM STRUCTURE ID	TO STRUCTURE ID	(608.0312) CLASS III 12-INCH LF	(608.0315) CLASS III 15-INCH LF	(608.0318) CLASS III 18-INCH LF	(608.0324) CLASS III 24-INCH LF	(608.0348) CLASS III 48-INCH LF	(608.0360) CLASS III 60-INCH LF	(608.0366) CLASS III 66-INCH LF	(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	(504.2000.S) PRECAST CONCRETE BOX CULVERT, 3 FT x 6 FT LF	(608.6012) STORM SEWER PIPE COMPOSITE 12-INCH LF	(520.8000) CONCRETE COLLARS FOR PIPE EACH
0030	P4-9	EW.4D	4.4A	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P5-1	5.1	5.2	-	-	-	-	-	-	-	-	-	300	-	-	-	-	-
	P5-2	5.1A	5.1	-	-	-	-	-	-	-	-	17	-	-	-	-	-	-
	P5-3	5.1	5.1B	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-
	P5-4	5.1B	5.1C	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-
	P5-5	5.1C	5.1D	-	-	-	-	-	-	-	-	14	-	-	-	-	-	-
	P5-6	5.1A	5.1E	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
	P5-7	5.1D	5.1G	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
	P5-8	5.1F	5.1G	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
	P5-9	5.1D	5.1H	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
	P5-10	5.2	5.2A	-	-	-	-	-	-	-	18	-	-	-	-	-	-	-
	P5-11	5.2	5.2B	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-
	P5-12	5.2B	5.2C	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-
	P5-13	5.2C	5.2D	-	-	-	-	-	-	-	14	-	-	-	-	-	-	-
	P5-14	5.2D	5.2E	-	-	-	-	-	-	-	100	-	-	-	-	-	-	-
	P5-15	5.1H	5.1I	-	-	-	-	-	-	-	60	-	-	-	-	-	-	-
	P6-1	EW.6	6.1	-	-	-	94	-	-	-	-	-	-	-	-	-	-	-
	P6-2	6.1	6.2	-	-	-	63	-	-	-	-	-	-	-	-	-	-	-
	P6-3	6.2	6.3	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-
	P6-4	6.3	7.1	-	-	-	-	-	-	-	-	-	-	-	-	101	-	-
	P6-5	6.1	6.1D	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-
	P6-6	6.1C	6.1D	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P6-7	6.1B	6.1C	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P6-8	6.1A	6.1B	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P6-9	6.2	6.2A	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P6-10	6.2A	6.2B	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P7-1	7.1	7.2	-	-	-	-	-	-	-	-	-	-	-	-	274	-	-
	P7-2	7.2	7.3	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-
	P7-3	7.3	7.4	-	-	-	-	-	-	-	-	-	-	-	-	80	-	-
	P7-4	7.4	7.5	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-
	P7-5	7.5	7.6	-	-	-	52	-	-	-	-	-	-	-	-	-	-	-
	P7-6	7.6	8.1	-	-	-	195	-	-	-	-	-	-	-	-	-	-	-
	P7-7	7.1	7.1C	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-
	P7-8	7.1B	7.1C	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-
	P7-9	7.1A	7.1B	-	-	-	-	-	-	-	-	-	35	-	-	-	-	-
	P7-10	7.1	7.1D	-	-	-	-	-	-	-	-	14	-	-	-	-	-	-
	P7-11	7.1A	7.1E	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
	P7-12	7.1A	7.1F	-	-	-	-	-	-	-	12	-	-	-	-	-	-	-
	P7-13	7.1F	EXISTING	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-
	P7-14	7.1D	7.1G	-	-	-	-	-	-	-	8	-	-	-	-	-	-	-
	P7-15	7.1G	7.1H	-	-	-	-	-	-	-	28	-	-	-	-	-	-	-
	P7-16	7.2	7.2B	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P7-17	7.2A	7.2B	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P7-18	7.2	7.2C	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P7-19	7.4	7.7	-	-	-	-	-	-	48	-	-	-	-	-	-	-	-
	P7-20	EW.7	7.7	-	-	-	-	-	-	547	-	-	-	-	-	-	-	-
	P7-21	7.5	7.8	-	-	-	-	-	56	-	-	-	-	-	-	-	-	-
	P7-22	7.5	7.9	-	-	-	-	-	-	47	-	-	-	-	-	-	-	-
	P7-23	7.6	7.6A	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P7-25	7.6	7.6B	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P8-1	8.1	8.2	-	-	-	203	-	-	-	-	-	-	-	-	-	-	-
	P8-2	8.2	8.3	-	-	-	289	-	-	-	-	-	-	-	-	-	-	-
	P8-4	8.1	8.1A	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P8-5	8.2	8.2A	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P8-6	8.2	8.2B	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(CONTINUED ON NEXT SHEET)

STORM SEWER PIPE REINFORCED CONCRETE (CONTINUED)

CATEGORY	PIPE ID	FROM STRUCTURE ID	TO STRUCTURE ID	(608.0312) CLASS III 12-INCH LF	(608.0315) CLASS III 15-INCH LF	(608.0318) CLASS III 18-INCH LF	(608.0324) CLASS III 24-INCH LF	(608.0348) CLASS III 48-INCH LF	(608.0360) CLASS III 60-INCH LF	(608.0366) CLASS III 66-INCH LF	(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	(504.2000.S) PRECAST CONCRETE BOX CULVERT, 3 FT x 6 FT LF	(608.6012) STORM SEWER PIPE COMPOSITE 12-INCH LF	(520.8000) CONCRETE COLLARS FOR PIPE EACH
0030	P8-7	8.2B	8.2C	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P8-8	8.3	8.3A	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P9-3	9.2	9.2A	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P9-5	9.2A	9.2C	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P10-1	10.1	10.1A	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P10-2	10.1A	10.1B	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P11-1	11.1	11.1A	81	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P11-2	11.1A	11.1B	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P11-3	11.2	AS 6043-014	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P12-1	6.2	12.1	-	-	-	-	-	-	-	-	-	-	-	-	136	-	-
	P12-2	12.1	12.4	-	-	-	-	-	-	-	-	-	-	-	-	116	-	-
	P12-3	6.3	12.5	-	-	-	-	-	-	-	-	-	-	-	-	252	-	-
	P12-4	12.4	12.5	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-
	P12-5	12.4	EX. PARKS MH	-	-	-	39	-	-	-	-	-	-	-	-	-	-	-
	P12-6	12.5	EXISTING	-	-	-	-	-	-	-	-	-	-	34	-	-	-	1
	P12-7	12.5	P12-8	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-
	P12-8	P12-7	EXISTING	-	-	-	-	-	-	-	-	-	-	8	-	-	-	1
CATEGORY 0030 TOTALS				**847**	**21**	**32**	**1,351**	**158**	**56**	**655**	**691**	**108**	**680**	**451**	**451**	**1,455**	**11**	**2**
0070	P8-3	8.3	9.1	-	167	-	-	-	-	-	-	-	-	-	-	-	-	-
	P8-9	8.3	8.3B	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P9-1	9.1	9.2	-	136	-	-	-	-	-	-	-	-	-	-	-	-	-
	P9-2	9.1	9.1A	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P9-4	9.2	9.2B	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	P9-6	9.2B	9.2D	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CATEGORY 0070 TOTALS				**46**	**303**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
PROJECT TOTALS				**893**	**324**	**32**	**1,351**	**158**	**56**	**655**	**691**	**108**	**680**	**451**	**451**	**1,455**	**11**	**2**

SIDEWALK TRENCH DRAIN

CATEGORY	STATION	LOCATION	(SPV.0060.08) SIDEWALK TRENCH DRAIN EACH	# * (305.0110) BASE AGGREGATE DENSE 3/4-INCH TON
0030	49+95	LT	1	1
PROJECT TOTALS			**1**	**1**

PAID FOR UNDER CATEGORY 0010

ADJUSTING STORM SEWER STRUCTURES

CATEGORY	STRUCTURE I.D.	STATION	LOCATION	(611.8110) ADJUSTING MANHOLE COVERS EACH	(611.8115) ADJUSTING INLET COVERS EACH
0030	IN 6043-007	97+30.98	4.01' LT	-	1
	AS 6043-003	97+38.51	7.80' RT	1	-
PROJECT TOTALS				**1**	**1**

UTILITY LINE OPENING (ULO)

CATEGORY	STATION	LOCATION	* (SPV.0060.011) UTILITY LINE OPENING (ULO) EACH	UTILITY
0030	15+81	11' RT	1	FIBER
	18+32	22' RT	1	FIBER
	19+11	19' RT	1	FIBER
	20+97	17' RT	1	FIBER
	23+40	12' RT	1	FIBER
	24+05	27' RT	1	FIBER
	26+45	29' RT	1	FIBER
	26+50	15' RT	1	FIBER
	27+23	26' RT	1	FIBER
	30+50	27' RT	1	FIBER
	36+75	16' RT	1	FIBER
	39+75	14' RT	1	FIBER
	46+10	29' RT	1	FORCEMAIN
	50+00	11' RT	1	TELEPHONE
	51+12	3' RT	1	ELECTRIC & TELEPHONE
	51+30	21' RT	1	TELEPHONE
	55+25	6' RT	1	TELEPHONE
	55+93	17' LT	1	TELEPHONE
	58+82	18' LT	1	TELEPHONE
	61+87	18' LT	1	TELEPHONE
UNDISTRIBUTED			2	
PROJECT TOTAL			**22**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

STORM SEWER STRUCTURES

CATEGORY	STRUCTURE I.D.	STATION	LOCATION	(522.1012) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	(522.1024) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	(522.1048) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 48-INCH EACH	(522.1066) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 66-INCH EACH	(611.2033) MANHOLES 3x3-FT EACH	(611.2044) MANHOLES 4x4-FT EACH	(611.2055) MANHOLES 5x5-FT EACH	(611.2066) MANHOLES 6x6-FT EACH	(SPV.0060.07) MANHOLES 8x8-FT SPECIAL EACH	(611.3230) INLETS 2x3-FT EACH	(611.3901) INLETS MEDIAN 1 GRATE EACH	* (611.0535) MANHOLE COVERS TYPE J-SPECIAL EACH	(611.0624) INLET COVERS TYPE H EACH	(611.0645) INLET COVERS TYPE MS-A EACH	(SPV.0060.86) INLET COVERS MADISON SPECIAL EACH	(611.9800.S) PIPE GRATES EACH	(650.4000) CONSTRUCTION STAKING STORM SEWER EACH
0030	1.1	15+81.00	15.00' LT	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	1
	1.2	15+81.00	12.00' RT	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	1
	1.3	15+58.36	35.42' RT	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	1
	1.3A	15+26.23	27.10' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	1.4	15+61.75	44.94' RT	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	1
	1.5	15+67.65	53.15' RT	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	1
	2.1	17+34.50	15.00' LT	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	1
	2.1A	17+33.50	14.25' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	2.2	18+32.00	15.00' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1
	2.2A	18+32.00	21.00' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	2.2B	18+32.00	20.06' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	2.2C	18+40.00	23.75' LT	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	1
	2.3	19+20.00	15.00' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1
	2.3A	19+18.75	16.94' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	2.3B	19+01.50	22.70' RT	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	1
	2.3C	19+03.00	38.35' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	2.3D	18+71.90	41.56' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	2.3E	18+77.22	50.17' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	2.3F	19+28.85	16.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	2.4	20+93.00	15.00' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1
	2.4A	20+93.00	21.00' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	2.4B	20+93.00	12.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	2.4C	21+11.38	31.92' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	2.4D	21+33.44	35.57' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	2.5	22+40.00	15.00' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1
	2.5A	22+40.00	12.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	3.1	23+40.00	14.50' LT	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1
	3.1A	23+40.00	21.00' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	3.1B	23+40.00	12.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	3.1C	23+61.10	14.21' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	3.2	24+21.50	6.00' RT	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1
	3.2A	23+87.79	48.23' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	3.2B	23+63.21	35.51' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	3.3	26+50.00	6.25' RT	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	1
	3.3A	26+50.00	25.96' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	3.3B	26+40.00	26.20' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	3.4	27+46.50	10.00' RT	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	1
	3.4A	27+50.00	23.00' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	3.4B	27+46.50	1.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	3.4C	27+44.00	24.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	3.4D	27+40.00	23.00' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	3.4E	27+02.95	59.21' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	3.4F	27+24.00	24.06' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	3.4G	27+34.00	24.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	3.4H	27+54.00	24.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	3.4I	26+78.12	60.46' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	3.5	26+30.33	26.91' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1
	4.1	30+50.00	32.00' RT	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	1
	4.1A	30+50.00	23.00' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	4.1B	30+50.00	1.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	4.1C	30+50.00	9.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	4.1D	30+50.00	23.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	EW.4A	32+05.40	67.00' RT	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	EW.4B	32+67.55	47.00' LT	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	4.2	33+55.00	5.50' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

(CONTINUED ON NEXT SHEET)

STORM SEWER STRUCTURES (CONTINUED)

CATEGORY	STRUCTURE I.D.	STATION	LOCATION	(522.1012) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	(522.1024) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	(522.1048) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 48-INCH EACH	(522.1066) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 66-INCH EACH	(611.2033) MANHOLES 3x3-FT EACH	(611.2044) MANHOLES 4x4-FT EACH	(611.2055) MANHOLES 5x5-FT EACH	(611.2066) MANHOLES 6x6-FT EACH	(SPV.0060.07) MANHOLES 8x8-FT SPECIAL EACH	(611.3230) INLETS 2x3-FT EACH	(611.3901) INLETS MEDIAN 1 GRATE EACH	(611.0535) * MANHOLE COVERS TYPE J-SPECIAL EACH	(611.0624) INLET COVERS TYPE H EACH	(611.0645) INLET COVERS TYPE MS-A EACH	(SPV.0060.86) INLET COVERS MADISON SPECIAL EACH	(611.9800.S) PIPE GRATES EACH	(650.4000) CONSTRUCTION STAKING STORM SEWER EACH
0030	4.3A	31+78.00	39.83' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	EW.4C	32+09.50	33.00' RT	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	EW.4D	32+72.00	33.00' RT	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	4.4A	33+03.00	39.83' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	5.1	36+75.00	5.50' LT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1
	5.1A	36+75.00	23.00' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	5.1B	36+75.00	1.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	5.1C	36+75.00	10.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	5.1D	36+75.00	24.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	5.1E	36+85.00	23.00' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	5.1F	36+55.00	24.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	5.1G	36+65.00	24.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	5.1H	36+85.00	24.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	5.1I	37+45.00	24.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	5.2	39+75.00	5.50' LT	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	1
	5.2A	39+75.00	23.00' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	5.2B	39+75.00	1.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	5.2C	39+75.00	10.25' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	5.2D	39+75.00	24.45' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	5.2E	40+75.00	27.75' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	EW.6	45+36.70	69.00' LT	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	6.1	45+40.00	25.00' RT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1
	6.1A	45+20.00	23.30' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	6.1B	45+20.00	1.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	6.1C	45+20.00	7.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	6.1D	45+20.00	32.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	6.2	46+05.00	24.50' RT	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	1
	6.2A	46+03.51	74.91' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	6.2B	46+34.89	74.12' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	6.3	46+20.00	24.50' RT	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	1
	7.1	47+23.00	25.50' RT	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	1
	7.1A	47+23.00	23.00' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	7.1B	47+23.00	12.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	7.1C	47+23.00	16.82' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	7.1D	47+23.00	39.71' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	7.1E	47+13.00	23.00' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	7.1F	47+35.00	23.00' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	7.1G	47+31.00	40.59' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	7.1H	47+60.00	39.61' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	7.2	50+00.00	10.86' RT	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	1
	7.2A	49+95.00	23.00' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	7.2B	50+00.00	1.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	7.2C	50+00.00	26.67' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	7.3	50+50.00	6.00' RT	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	1
	7.4	51+30.20	2.00' RT	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	1
	7.5	51+43.50	2.00' RT	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	1
	7.6	51+95.00	6.00' RT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1
	7.6A	51+95.00	23.00' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	7.6B	51+95.00	14.04' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	7.7	51+31.25	50.30' RT	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	1
	7.8	51+41.90	54.00' LT	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	1
	7.9	51+42.85	48.83' RT	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	1
	EW.7	54+32.15	506.68' RT	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	1
	EX. EW	54+40.92	500.90' RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
	8.1	53+90.00	6.00' RT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

(CONTINUED ON NEXT SHEET)

3

STORM SEWER STRUCTURES (CONTINUED)

CATEGORY	STRUCTURE I.D.	STATION	LOCATION	(522.1012) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	(522.1024) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	(522.1048) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 48-INCH EACH	(522.1066) APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 66-INCH EACH	(611.2033) MANHOLES 3x3-FT EACH	(611.2044) MANHOLES 4x4-FT EACH	(611.2055) MANHOLES 5x5-FT EACH	(611.2066) MANHOLES 6x6-FT EACH	(SPV.0060.07) MANHOLES 8x8-FT SPECIAL EACH	(611.3230) INLETS 2x3-FT EACH	(611.3901) INLETS MEDIAN 1 GRATE EACH	(611.0535)* MANHOLE COVERS TYPE J-SPECIAL EACH	(611.0624) INLET COVERS TYPE H EACH	(611.0645) INLET COVERS TYPE MS-A EACH	(SPV.0060.86) INLET COVERS MADISON SPECIAL EACH	(611.9800.S) PIPE GRATES EACH	(650.4000) CONSTRUCTION STAKING STORM SEWER EACH
0030	8.1A	53+90.00	13.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	8.2	55+93.00	6.00' RT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1
	8.2A	55+93.00	23.00' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	8.2B	55+93.00	13.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	8.2C	56+03.00	13.00' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	8.3A	58+82.00	23.00' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	9.2A	61+87.52	23.00' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	9.2C	61+92.52	23.00' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	10.1	70+15.00	32.90' LT	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	1
	10.1A	70+14.59	23.18' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	10.1B	70+05.00	23.00' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	11.1	101+86.47	148.56' LT	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	1
	11.1A	104+57.30	148.86' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	11.1B	104+63.06	140.67' LT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	11.2	101+50.00	5.00' LT	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	1
	12.1	651+16.00	22.71' LT	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	1
	12.2	652+03.00	25.29' LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
	12.3	652+13.00	25.19' LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
	12.4	652+30.79	29.79' LT	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	1
	12.5	652+29.55	13.10' LT	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	1
CATEGORY 0030 TOTALS				**2**	**2**	**1**	**1**	**9**	**11**	**3**	**1**	**15**	**80**	**2**	**32**	**87**	**2**	**2**	**5**	**129**
0070	8.3	58+82.00	5.50' RT	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1
	8.3B	58+82.00	17.50' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	9.1	60+50.00	5.50' RT	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	1
	9.1A	60+50.00	17.50' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	9.2	61+87.00	5.50' RT	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	1
	9.2B	61+87.00	17.50' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
	9.2D	61+97.00	17.50' RT	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1
CATEGORY 0070 TOTALS				**0**	**0**	**0**	**0**	**2**	**1**	**0**	**0**	**0**	**4**	**0**	**3**	**4**	**0**	**0**	**0**	**7**
PROJECT TOTALS				**2**	**2**	**1**	**1**	**11**	**12**	**3**	**1**	**15**	**84**	**2**	**35**	**91**	**2**	**2**	**5**	**136**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

FINISHING ITEMS

CATEGORY	STATION	TO STATION	LOCATION	(625.0100) TOPSOIL SY	(628.2008) EROSION MAT URBAN CLASS I TYPE B SY	(629.0210) FERTILIZER TYPE B CWT	(630.0140) SEEDING MIXTURE NO. 40 LB	(630.0500) SEED WATER MGAL	(SPV.0180.03) PLANTING MIX TOPSOIL SY	(SPV.0085.01) SHORTGRASS PRAIRIE SEED MIX LB	(SPV.0180.02) SHREDDED HARDWOOD BARK MULCH SY
0010	12+62	18+61	LT	511	511	0.32	9	29	-	-	-
	12+64	15+48	RT	50	50	0.03	1	3	-	-	-
	15+59	18+85	RT	147	147	0.09	3	8	-	-	-
	18+85	23+91	LT	326	326	0.21	6	18	-	-	-
	19+03	21+11	RT	108	108	0.07	2	6	-	-	-
	21+32	23+65	RT	232	232	0.15	4	13	-	-	-
	23+76	26+79	RT	362	362	0.23	7	20	-	-	-
	24+19	32+18	LT	581	581	0.37	10	33	-	-	-
	27+05	32+16	RT	1,482	1,482	0.93	27	84	-	-	-
	97+10	107+00	LT & RT	3,539	3,539	2.23	64	200	-	-	-
	27+43	31+56	RT (MEDIAN)	-	-	0.18	-	16	289	1.05	-
	32+62	45+78	LT	1,558	1,558	0.98	28	88	-	-	-
	32+66	37+01	RT	1,151	1,151	0.73	21	65	-	-	-
	34+52	36+85	RT (MEDIAN)	-	-	0.10	-	9	157	0.56	-
	37+32	46+02	RT	1,060	1,060	0.67	19	60	-	-	-
	39+68	43+33	RT (MEDIAN)	-	-	0.30	-	27	469	1.69	-
	200+00	206+36	LT & RT	1,275	1,275	0.80	23	72	-	-	-
	650+46	651+95	RT	157	157	0.10	3	9	-	-	-
	46+37	58+23	RT	1,865	1,865	1.17	34	105	-	-	-
	46+39	51+16	LT	351	351	0.22	6	20	-	-	-
	51+05	54+62	RT (STORM OUTLET)	3,046	3,046	1.92	55	172	-	-	-
	51+52	55+29	LT	197	197	0.12	4	11	-	-	-
	55+60	61+29	LT	289	289	0.18	5	16	-	-	-
	61+58	68+11	LT	496	496	0.31	9	28	-	-	-
	70+86	70+94	LT	6	6	0.00	0	0	-	-	-
	71+85	71+95	LT	6	6	0.00	0	0	-	-	-
		UNDISTRIBUTED		1,805	1,805	1.58	35	115	-	-	915
		CATEGORY 0010 TOTALS		**20,600**	**20,600**	**14.00**	**375**	**1,230**	**915**	**3.30**	**915**
0060	58+23	68+11	RT	160	160	0.10	3	9	-	-	-
		CATEGORY 0060 TOTALS		**160**	**160**	**0.10**	**3**	**9**	**0**	**0.00**	**0**
		PROJECT TOTALS		**20,760**	**20,760**	**14.10**	**378**	**1,239**	**915**	**3.30**	**915**

RIPRAP

CATEGORY	STATION	LOCATION	(606.0200) RIPRAP MEDIUM CY	(645.0120) GEOTEXTILE TYPE HR SY	(SPV.0060.92) REMOVE, SALVAGE, AND REINSTALL RIPRAP HEAVY EACH
0010	32+68	47' LT	3.11	13	-
	54+32	507' RT	-	-	1
	PROJECT TOTALS		**3.11**	**13**	**1**

SILT FENCE

CATEGORY	STATION	TO STATION	LOCATION	(628.1504) SILT FENCE LF	(628.1520) SILT FENCE MAINTENANCE LF
0010	27+30	32+15	RT	500	500
	32+70	34+50	RT	200	200
	50+25	54+00	RT	600	600
	51+70	54+20	RT	250	250
	97+05	100+00	RT	250	250
		UNDISTRIBUTED		200	200
		PROJECT TOTALS		**2,000**	**2,000**

MOBILIZATIONS EROSION CONTROL

CATEGORY	DESCRIPTION	(628.1905) EACH	(628.1910) EMERGENCY EACH
0010	PROJECT 5992-10-16	12	6
	PROJECT TOTALS	**12**	**6**

TURBIDITY BARRIERS

CATEGORY	STATION	TO STATION	LOCATION	(628.6005) TURBIDITY BARRIERS SY
0010	32+10	32+20	RT	86
	32+50	32+60	LT	64
	32+60	32+70	RT	80
	54+00	54+70	RT	70
	PROJECT TOTAL			**300**

PILING SHEET STEEL TEMPORARY

CATEGORY	STATION	TO STATION	LOCATION	(512.1000) PILING SHEET STEEL TEMPORARY SF
0010	54+02	54+68	RT	560
	PROJECT TOTAL			**560**

CULVERT PIPE CHECKS

CATEGORY	STATION	LOCATION	(628.7555) CULVERT PIPE CHECKS EACH
0010	45+37	69' LT	3
	PROJECT TOTAL		**3**

TRACKING PADS

CATEGORY	DESCRIPTION	(628.7560) TRACKING PADS EACH
0010	UNDISTRIBUTED	4
	PROJECT TOTAL	**4**

3

INLET PROTECTION

CATEGORY	STATION	LOCATION	(628.7005) INLET PROTECTION TYPE A EACH	(628.7020) INLET PROTECTION TYPE D EACH	NOTES
0010	11+75	LT	-	1	EXISTING
	12+30	RT	-	1	EXISTING
	15+26	RT	-	1	PROPOSED
	15+37	RT	-	1	EXISTING
	15+58	RT	-	1	PROPOSED
	15+60	RT	-	1	EXISTING
	15+62	RT	-	1	PROPOSED
	15+68	RT	-	1	PROPOSED
	15+73	RT	-	1	EXISTING
	15+81	RT	-	1	PROPOSED
	17+34	RT	-	1	PROPOSED
	18+31	RT	-	1	EXISTING
	18+32	LT	-	1	EXISTING
	18+32	LT	-	1	PROPOSED
	18+32	RT	-	1	PROPOSED
	18+40	LT	1	-	PROPOSED
	18+62	RT	-	1	EXISTING
	18+72	RT	-	1	PROPOSED
	18+77	RT	-	1	PROPOSED
	19+03	RT	-	1	PROPOSED
	19+05	RT	-	1	EXISTING
	19+18	RT	-	1	EXISTING
	19+19	RT	-	1	PROPOSED
	19+29	RT	-	1	PROPOSED
	GARRISON ST./BUENA VISTA DR.		-	2	EXISTING
	20+93	LT	-	1	PROPOSED
	20+93	RT	-	1	EXISTING
	20+93	RT	-	1	PROPOSED
	21+11	RT	-	1	EXISTING
	21+11	RT	-	1	PROPOSED
	21+33	RT	-	1	PROPOSED
	21+34	RT	-	1	EXISTING
	21+53	RT	-	1	EXISTING
	21+55	LT	-	1	EXISTING
	22+40	RT	-	1	PROPOSED
	23+40	LT	-	1	PROPOSED
	23+40	RT	-	1	PROPOSED
	23+60	RT	-	1	EXISTING
	23+61	RT	-	1	PROPOSED
	23+63	RT	-	1	PROPOSED
	23+67	LT	-	1	EXISTING
	23+67	RT	-	1	EXISTING
	23+88	RT	-	1	PROPOSED
	23+91	RT	-	1	EXISTING
	24+10	RT	-	1	EXISTING
	26+40	RT	-	1	PROPOSED
	26+50	RT	-	1	PROPOSED
	26+78	RT	-	1	PROPOSED
	27+03	RT	-	1	PROPOSED
	27+18	RT	-	1	EXISTING
	27+24	RT	-	1	PROPOSED
	27+34	RT	-	1	PROPOSED
	27+40	LT	-	1	PROPOSED
	27+44	RT	-	1	PROPOSED
	27+47	RT	-	1	PROPOSED
	27+47	RT	-	1	PROPOSED
	27+50	LT	-	1	PROPOSED
	27+54	RT	-	1	PROPOSED
	27+60	LT	-	1	EXISTING
	27+63	RT	-	1	EXISTING

(CONTINUED)

INLET PROTECTION (CONTINUED)

CATEGORY	STATION	LOCATION	(628.7005) INLET PROTECTION TYPE A EACH	(628.7020) INLET PROTECTION TYPE D EACH	NOTES
0010	27+67	RT	-	1	EXISTING
	27+73	RT	1	-	EXISTING
	27+79	RT	1	-	EXISTING
	30+50	LT	-	1	PROPOSED
	30+50	RT	-	1	PROPOSED
	30+50	RT	-	1	PROPOSED
	30+50	RT	-	1	PROPOSED
	31+78	RT	-	1	PROPOSED
	33+03	RT	-	1	PROPOSED
	36+55	RT	-	1	PROPOSED
	36+65	RT	-	1	PROPOSED
	36+67	LT	-	1	EXISTING
	36+67	RT	-	1	EXISTING
	36+75	LT	-	1	PROPOSED
	36+75	RT	-	1	PROPOSED
	36+75	RT	-	1	PROPOSED
	36+75	RT	-	1	PROPOSED
	36+85	LT	-	1	PROPOSED
	36+85	RT	-	1	PROPOSED
	37+45	RT	-	1	PROPOSED
	39+75	LT	-	1	PROPOSED
	39+75	RT	-	1	PROPOSED
	39+75	RT	-	1	PROPOSED
	39+75	RT	-	1	PROPOSED
	40+75	RT	-	1	PROPOSED
	45+20	LT	-	1	PROPOSED
	45+20	RT	-	1	PROPOSED
	45+20	RT	-	1	PROPOSED
	45+20	RT	-	1	PROPOSED
	45+78	RT	-	1	EXISTING
	46+02	RT	-	1	EXISTING
	46+04	RT	-	1	PROPOSED
	46+35	RT	-	1	PROPOSED
	46+46	RT	-	1	EXISTING
	651+16	LT	-	1	PROPOSED
	47+13	LT	-	1	PROPOSED
	47+23	LT	-	1	PROPOSED
	47+23	RT	-	1	PROPOSED
	47+23	RT	-	1	PROPOSED
	47+23	RT	-	1	PROPOSED
	47+31	RT	-	1	PROPOSED
	47+35	LT	-	1	PROPOSED
	47+36	LT	-	1	EXISTING
	47+39	RT	-	1	EXISTING
	47+60	RT	-	1	PROPOSED
	50+00	LT	-	1	PROPOSED
	50+00	RT	-	1	PROPOSED
	50+00	RT	-	1	PROPOSED
	50+00	RT	-	1	PROPOSED
	DENNETT DR./BUSSE ST.		-	1	EXISTING
	DENNETT DR./JOHNS ST.		-	1	EXISTING
	51+95	LT	-	1	PROPOSED
	51+95	RT	-	1	PROPOSED
	52+37	RT	-	1	EXISTING
	53+90	RT	-	1	PROPOSED
	55+44	RT	-	1	EXISTING
	MARGARET ST./BUSSE ST.		-	2	EXISTING
	55+93	LT	-	1	PROPOSED
	55+93	RT	-	1	PROPOSED
	56+03	RT	-	1	PROPOSED

(CONTINUIED)

INLET PROTECTION (CONTINUED)

CATEGORY	STATION	LOCATION	(628.7005) INLET PROTECTION TYPE A EACH	(628.7020) INLET PROTECTION TYPE D EACH	NOTES
0010	58+76	RT	-	1	EXISTING
	58+82	LT	-	1	PROPOSED
	OLBRICH AVE./BUSSE ST.		-	2	EXISTING
	61+88	LT	-	1	PROPOSED
	61+93	LT	-	1	PROPOSED
	70+04	LT	-	1	EXISTING
	70+05	LT	-	1	PROPOSED
	70+12	LT	-	1	EXISTING
	70+15	LT	-	1	PROPOSED
	96+85	RT	-	1	EXISTING
	96+90	RT	-	1	EXISTING
	97+30	LT	-	1	EXISTING
	101+50	LT	1	-	PROPOSED
	102+12	LT	-	1	EXISTING
	102+17	LT	-	1	EXISTING
	104+57	LT	-	1	PROPOSED
	104+63	LT	-	1	PROPOSED
	652+03	LT	-	1	PROPOSED
	652+13	LT	-	1	PROPOSED
	652+39	LT	-	1	EXISTING
	652+46	LT	-	1	EXISTING
	204+16	RT	-	1	EXISTING
	UNDISTRIBUTED		1	5	
	CATEGORY 0010 TOTALS		**5**	**146**	
0060	58+82	RT	-	1	PROPOSED
	60+50	RT	-	1	PROPOSED
	61+87	RT	-	1	PROPOSED
	61+97	RT	-	1	PROPOSED
	69+82	RT	-	1	EXISTING
	69+90	RT	-	1	EXISTING
	70+14	RT	-	1	EXISTING
	CATEGORY 0060 TOTALS		**0**	**7**	
	PROJECT TOTALS		**5**	**153**	

ROCK BAGS

CATEGORY	STATION	LOCATION	(628.7570) ROCK BAGS EACH
0010	12+70	LT	1
	12+70	RT	1
	18+63	LT	1
	18+86	LT	1
	23+92	LT	1
	24+20	LT	1
	51+17	LT	1
	51+51	LT	1
	55+31	LT	1
	55+59	LT	1
	61+31	LT	1
	61+57	LT	1
	70+88	LT	1
	651+50	RT	1
	UNDISTRIBUTED		5
	CATEGORY 0010 TOTAL		**19**
0060	68+15	RT	1
	CATEGORY 0060 TOTAL		**1**
	PROJECT TOTAL		**20**

REMOVING SIGNS

CATEGORY	SIGN NO.	STATION	LOCATION	(638.2602) REMOVING SIGNS TYPE II EACH	(638.3000) REMOVING SMALL SIGN SUPPORTS EACH	NOTES
0010	E1.1	12+80	LT	1	1	
	E1.2	13+10	RT	1	1	
	E1.3	13+19	LT	1	-	ON STREET LIGHT POLE
	E1.4	14+43	LT	1	-	ON STREET LIGHT POLE
	E1.5	14+43	LT (OVERHEAD)	1	-	OVERHEAD ON TROMBONE ARM
	E1.6	14+69	RT	1	1	
	E1.7	15+65	RT	1	1	
	E1.8	15+74	LT	1	-	ON STREET LIGHT POLE
	E1.9	16+13	RT	1	1	
	E1.10	16+62	RT	1	1	
	E2.1	17+14	LT	1	-	ON STREET LIGHT POLE
	E2.2	17+14	LT (OVERHEAD)	1	-	OVERHEAD ON TROMBONE ARM
	E2.3	17+65	LT	1	1	
	E2.4	18+07	RT	1	1	
	E2.5	18+28	LT	1	-	ON STREET LIGHT POLE
	E2.6	18+58	LT	1	1	
	E2.7	18+62	RT	1	1	
	E2.8	19+08	RT	1	1	
	E2.9	19+10	LT	1	1	
	E2.10	19+31	RT	1	1	
	E2.11	19+58	LT	1	-	ON STREET LIGHT POLE
	E2.12	20+22	RT	1	1	
	E2.13	20+92	RT	1	1	
	E2.14	21+07	LT	1	-	ON STREET LIGHT POLE
	E2.15	21+37	RT	1	1	
	E2.16	21+57	LT	1	1	
	E2.17	22+29	RT	1	1	
	E3.1	23+00	LT	1	1	
	E3.2	23+50	RT	1	1	
	E3.3	23+56	LT	1	-	ON STREET LIGHT POLE
	E3.4	23+87	LT	1	1	
	E3.5	23+91	RT	1	1	
	E3.6	23+97	RT	1	1	
	E3.7	24+22	LT	1	1	
	E3.8	24+47	LT	1	1	
	E3.9	25+63	LT	1	-	ON STREET LIGHT POLE
	E3.10	25+67	RT	1	1	
	E3.11	26+31	RT	1	1	
	E3.12	27+17	RT	1	1	
	E3.13	27+34	LT	1	-	ON STREET LIGHT POLE
	E3.14	27+58	RT	1	1	
	-	104+44	RT	-	1	SIGNS TO BE MOVED
	-	104+75	RT	-	1	SIGNS TO BE MOVED
	E4.1	29+06	LT	1	-	ON STREET LIGHT POLE
	E4.2	29+46	RT	1	1	
	E4.3	30+43	LT	1	-	ON STREET LIGHT POLE
	E4.4	32+98	LT	1	-	ON STREET LIGHT POLE
	E4.5	33+25	RT	1	1	
	E4.6	34+18	RT	1	1	
	E5.1	35+98	LT	1	-	ON STREET LIGHT POLE
	E5.2	37+32	RT	1	1	
	E5.3	39+01	LT	1	-	ON STREET LIGHT POLE
	E5.4	40+59	RT	1	1	
	E6.1	42+09	LT	1	1	
	E6.2	42+42	LT	1	1	

(CONTINUED)

REMOVING SIGNS (CONTINUED)

CATEGORY	SIGN NO.	STATION	LOCATION	(638.2602) REMOVING SIGNS TYPE II EACH	(638.3000) REMOVING SMALL SIGN SUPPORTS EACH	NOTES
0010	E6.3	43+46	LT	1	-	ON STREET LIGHT POLE
	E6.4	44+58	RT	1	-	ON STREET LIGHT POLE
	E6.5	44+78	LT	1	1	
	E6.6	46+01	LT	1	-	ON TRAFFIC SIGNAL POLE
	E6.7	651+14	RT	1	1	
	E6.8	46+60	RT	1	1	
	E6.9	46+60	LT	1	-	ON PEDESTAL POLE
	E6.10	46+62	RT	1	-	ON TRAFFIC SIGNAL POLE
	E7.1	47+12	RT	1	1	
	E7.2	47+32	RT	1	1	
	E7.3	47+58	LT	1	-	ON STREET LIGHT POLE
	E7.4	48+76	LT	1	1	
	E7.5	49+57	RT	1	1	
	E7.6	51+14	LT	1	1	
	E7.7	52+27	RT	1	1	
	E7.8	52+31	LT	1	1	
	E8.1	53+65	LT	1	1	
	E8.2	54+24	RT	1	1	
	E8.3	55+22	LT	1	1	
	E8.4	56+12	RT	1	1	
	E8.5	56+63	LT	1	1	
	-	58+21	RT	-	1	SIGNS TO BE MOVED
	E8.6	58+67	LT	1	1	
	-	58+87	RT	-	1	SIGNS TO BE MOVED
	E9.2	60+64	LT	1	1	
	E9.3	61+23	LT	1	1	
	E9.4	61+82	LT	1	1	
	E9.5	63+90	LT	1	1	
	E11.1	97+92	RT	1	1	
	E11.2	98+11	RT	1	1	
	E11.3	98+05	RT	1	1	
CATEGORY 0010 TOTALS				**82**	**63**	
0060	E9.1	60+23	RT	1	1	
	E9.6	64+27	RT	1	1	
	E10.1	68+84	RT	1	1	
CATEGORY 0060 TOTALS				**3**	**3**	
PROJECT TOTALS				**85**	**66**	

NOTE: SIGNS AT THE SAME LOCATION ARE COUNTED AS ONE SIGN REMOVAL

3

3

MOVING SIGNS

CATEGORY	SIGN NO.	FROM STATION	LOCATION	TO STATION	LOCATION	(638.2102) MOVING SIGNS TYPE II EACH	(638.4000) MOVING SMALL SIGN SUPPORTS EACH	* (SPV.0090.12) REFLECTIVE SIGN POST LF	* (SPV.0060.05) PRECAST SIGN POST BASE EACH	NOTES
0010	3-40	106+27	RT	105+28	RT	1	-	-	-	INSTALL ON STREET LIGHT POLE
	3-41	106+27	RT	105+28	RT	1	-	-	-	INSTALL ON STREET LIGHT POLE
	3-42	106+58	RT	106+86	RT	1	1	-	-	
	3-43	106+58	RT	106+86	RT	1	-	-	-	INSTALL ON POST WITH SIGN 3.42
	3-44	106+58	RT	107+46	RT	1	-	-	-	INSTALL ON STREET LIGHT POLE
	3-45	106+58	RT	107+46	RT	1	-	-	-	INSTALL ON STREET LIGHT POLE
	4-4	31+70	LT	31+51	RT	1	-	-	-	INSTALL ON STREET LIGHT POLE
	4-7	32+98	LT	33+04	RT	1	-	-	-	INSTALL ON STREET LIGHT POLE
	6-6	45+49	LT	45+55	LT	1	-	-	-	INSTALL OVERHEAD ON TROMBONE ARM
	6-10	45+78	RT	45+69	RT	1	-	-	-	INSTALL ON TRAFFIC SIGNAL POLE
	6-11	45+78	RT	45+69	RT	1	-	-	-	INSTALL ON TRAFFIC SIGNAL POLE
	6-12	45+98	RT	45+95	RT	1	-	-	-	INSTALL ON TRAFFIC SIGNAL POLE
	6-13	45+98	RT	45+95	RT	1	-	-	-	INSTALL ON TRAFFIC SIGNAL POLE
	6-14	45+98	RT	45+95	RT	1	-	-	-	INSTALL ON TRAFFIC SIGNAL POLE
	6-18	46+58	RT	46+76	RT	1	-	-	-	INSTALL OVERHEAD ON TROMBONE ARM
	10-7	69+11	LT	69+11	LT	1	-	-	-	INSTALL ON STREET LIGHT POLE
	10-8	69+51	LT	69+76	LT	1	1	-	-	
	10-9	69+51	LT	69+76	LT	1	-	-	-	INSTALL ON POST WITH SIGN 10-8
	10-10	70+19	LT	70+17	LT	1	-	-	-	INSTALL OVERHEAD ON MONOTUBE ARM
	10-11	70+19	LT	70+17	LT	1	-	-	-	INSTALL ON TRAFFIC SIGNAL POLE
	10-12	70+19	LT	70+17	LT	1	-	-	-	INSTALL ON TRAFFIC SIGNAL POLE
	10-13	70+19	LT	70+17	LT	1	-	-	-	INSTALL ON TRAFFIC SIGNAL POLE
	11-7	97+92	RT	98+30	RT	1	-	11	1	
	11-8	97+92	RT	98+30	RT	1	-	-	-	INSTALL ON POST WITH SIGN 11-7
	11-9	98+05	RT	101+20	RT	1	-	-	-	INSTALL ON STREET LIGHT POLE
	11-10	98+05	RT	101+20	RT	1	-	-	-	INSTALL ON STREET LIGHT POLE
	12-1	200+92	RT	201+80	RT	1	1	-	-	
	12-2	200+92	RT	201+80	RT	1	-	-	-	INSTALL ON POST WITH SIGN 12-1
	12-3	200+92	RT	201+80	RT	1	-	-	-	INSTALL ON POST WITH SIGN 12-1
	12-4	201+18	LT	201+18	LT	1	1	-	-	
	12-5	206+02	LT	206+00	LT	1	1	-	-	
	12-6	206+02	LT	206+00	LT	1	-	-	-	
CATEGORY 0010 TOTALS						**32**	**5**	**11**	**1**	
0060	8-12	58+21	RT	59+68	RT	1	-	-	-	INSTALL ON STREET LIGHT POLE
	8-13	58+21	RT	59+68	RT	1	-	-	-	INSTALL ON STREET LIGHT POLE
	8-14	58+87	RT	58+91	RT	1	-	12	1	
	8-15	58+87	RT	58+91	RT	1	-	-	-	INSTALL ON POST WITH SIGN 8-14
	8-16	58+87	RT	58+91	RT	1	-	-	-	INSTALL ON POST WITH SIGN 8-14
	10-1	65+76	RT	65+76	RT	1	-	-	-	INSTALL ON STREET LIGHT POLE
	10-2	65+76	RT	65+76	RT	1	-	-	-	INSTALL ON STREET LIGHT POLE
	10-3	66+67	RT	67+00	RT	1	1	-	-	
	10-4	68+09	RT	68+08	RT	1	-	-	-	INSTALL ON STREET LIGHT POLE
	10-5	68+09	RT	68+08	RT	1	-	-	-	INSTALL ON STREET LIGHT POLE
	10-6	68+09	RT	68+08	RT	1	-	-	-	INSTALL ON STREET LIGHT POLE
CATEGORY 0060 TOTALS						**11**	**1**	**12**	**1**	
PROJECT TOTALS						**43**	**6**	**23**	**2**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

PERMANENT SIGNING

CATEGORY	SIGN NO.	STATION	LOCATION	SIGN CODE	MESSAGE	SIZE WIDTH x HEIGHT IN		IN	(637.2210) SIGNS TYPE II REFLECTIVE H SF	(637.2230) SIGNS TYPE II REFLECTIVE F SF	* (SPV.0090.12) REFLECTIVE SIGN POST LF	* (SPV.0060.05) PRECAST SIGN POST BASE EACH	(SPV.0060.06) SIGN POST BASE FOR CONCRETE INSTALLATION EACH	NOTES
0010	1-1	13+11	RT	CUSTOM	NO PARKING THIS SIDE	-	x	-	-	-	10	-	1	SIGN BY OTHERS
	1-2	13+19	LT	CUSTOM	TRUCK ROUTE	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	1-3	13+19	LT	CUSTOM	TRUCK ROUTE ARROW	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	1-4	13+19	LT	CUSTOM	NO S/S/P, TOW AWAY	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	1-5	13+19	LT	CUSTOM	SINGLE ARROW	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	1-6	13+55	RT	CUSTOM	BUS STOP	-	x	-	-	-	10	-	1	SIGN BY OTHERS
	1-7	14+43	LT	CUSTOM	NO S/S/P, TOW AWAY, TIMES	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	1-8	14+43	LT (OVERHEAD)	W3-3		36	x	36	-	9.00	-	-	-	OVERHEAD ON TROMBONE ARM
	1-9	14+66	RT	CUSTOM	NO PARKING THIS SIDE	-	x	-	-	-	10	-	1	SIGN BY OTHERS
	1-10	15+62	RT	R1-1		30	x	30	5.18	-	10	1	-	
	1-11	15+74	LT	CUSTOM	ATWOOD AV	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	1-12	15+74	LT	CUSTOM	LUDINGTON AV	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	1-13	15+74	LT	CUSTOM	NO S/S/P, TIMES, TOW AWAY	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	1-14	15+90	RT	CUSTOM	NO PARKING THIS SIDE	-	x	-	-	-	10	1	-	SIGN BY OTHERS
	1-15	16+65	RT	R2-1	25 MPH	24	x	30	5.00	-	10	1	-	
	2-1	17+14	LT	S4-51		24	x	48	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	2-2	17+14	LT (OVERHEAD)	R2-1C		30	x	36	-	-	-	-	-	SIGN BY OTHERS, OVERHEAD ON TROMBONE ARM, FACES EAST
	2-3	17+66	LT	CUSTOM	NO S/S/P, TIMES TOW AWAY	-	x	-	-	-	10	1	-	SIGN BY OTHERS
	2-4	18+14	RT	CUSTOM	NO PARKING THIS SIDE	-	x	-	-	-	10	1	-	SIGN BY OTHERS
	2-5	18+42	RT	S1-1		36	x	36	-	-	-	-	-	SIGN BY OTHERS, ON PEDESTAL POLE, FACES WEST
	2-6	18+42	RT	S16-7L		24	x	12	-	-	-	-	-	SIGN BY OTHERS, ON PEDESTAL POLE, FACES WEST
	2-7	18+42	RT	R3-2		24	x	24	-	-	-	-	-	SIGN BY OTHERS, ON PEDESTAL POLE, FACES EAST
	2-8	18+42	RT	CUSTOM	7-9 AM	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON PEDESTAL POLE, FACES EAST
	2-9	18+43	RT (MEDIAN)	S1-1		36	x	36	-	-	-	-	-	SIGN BY OTHERS, ON PEDESTAL POLE, FACES WEST
	2-10	18+43	RT (MEDIAN)	S16-7R		24	x	12	-	-	-	-	-	SIGN BY OTHERS, ON PEDESTAL POLE, FACES WEST
	2-11	18+43	RT (MEDIAN)	R4-7		24	x	30	5.00	-	-	-	-	ON PEDESTAL POLE, FACES WEST, 4' MOUNTING HEIGHT
	2-12	18+43	RT (MEDIAN)	S1-1		36	x	36	-	-	-	-	-	SIGN BY OTHERS, ON PEDESTAL POLE, FACES EAST
	2-13	18+43	RT (MEDIAN)	S16-7R		24	x	12	-	-	-	-	-	SIGN BY OTHERS, ON PEDESTAL POLE, FACES EAST
	2-14	18+43	RT (MEDIAN)	R4-7		24	x	30	5.00	-	-	-	-	ON PEDASTAL POLE, FACES EAST, 4' MOUNTING HEIGHT
	2-15	18+45	LT	S1-1		36	x	36	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	2-16	18+45	LT	S16-7L		24	x	12	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	2-17	18+57	LT	CUSTOM	ATWOOD AV	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 2-19
	2-18	18+57	LT	CUSTOM	GARRISON ST	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 2-19
	2-19	18+57	LT	R1-1		30	x	30	5.18	-	10	1	-	
	2-20	19+07	RT	CUSTOM	WELCH AV	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 2-22
	2-21	19+07	RT	CUSTOM	ATWOOD AV	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 2-22
	2-22	19+07	RT	R1-1		30	x	30	5.18	-	10	1	-	
	2-23	19+07	LT	R3-2		24	x	24	-	-	10	1	-	SIGN BY OTHERS
	2-24	19+07	LT	CUSTOM	7-9 AM	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 2-23
	2-25	19+58	LT	CUSTOM	NO S/S/P, TIMES, TOW AWAY	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	2-26	20+02	RT	CUSTOM	NO PARKING THIS SIDE	-	x	-	-	-	10	1	-	SIGN BY OTHERS
	2-27	20+43	RT	R2-1	25 MPH	24	x	30	5.00	-	13	1	-	
	2-28	20+45	LT	S1-1		36	x	36	-	-	12	1	-	SIGN BY OTHERS
	2-29	20+45	LT	S16-9P		24	x	12	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 2-28
	2-30	20+45	LT	R2-6P		24	x	18	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 2-28
	2-31	20+98	RT	R3-2		24	x	24	-	-	10	1	-	SIGN BY OTHERS
	2-32	20+98	RT	CUSTOM	7-9 AM	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 2-31
	2-33	21+14	LT	CUSTOM	CENTER AV	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	2-34	21+14	LT	CUSTOM	ATWOOD AV	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	2-35	21+14	LT	CUSTOM	NO S/S/P, TOW AWAY	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	2-36	21+14	LT	CUSTOM	SINGLE ARROW	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	2-37	21+37	RT	R1-1		30	x	30	5.18	-	10	1	-	
	2-38	22+21	RT	CUSTOM	NO PARKING THIS SIDE	-	x	-	-	-	10	1	-	SIGN BY OTHERS
	2-39	22+32	LT	R3-2		24	x	24	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	2-40	22+32	LT	CUSTOM	7-9 AM	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	2-41	20+43	RT	S5-2		24	x	30	5.00	-	-	-	-	ON POST WITH SIGN 2-27
	3-1	23+02	LT	R2-1	25 MPH	24	x	30	5.00	-	11	1	-	
	3-2	23+02	LT	CUSTOM	NO S/S/P, TOW AWAY	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 3-1
	3-3	23+43	RT	W11-2		30	x	30	-	-	-	-	-	SIGN BY OTHERS, ON PEDESTAL POLE, FACES WEST
	3-4	23+43	RT	W16-7L		24	x	12	-	-	-	-	-	SIGN BY OTHERS, ON PEDESTAL POLE, FACES WEST

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

(CONTINUED ON NEXT SHEET)

PERMANENT SIGNING (CONTINUED)

CATEGORY	SIGN NO.	STATION	LOCATION	SIGN CODE	MESSAGE	SIZE WIDTH x HEIGHT IN		IN	(637.2210) SIGNS TYPE II REFLECTIVE H SF	(637.2230) SIGNS TYPE II REFLECTIVE F SF	* (SPV.0090.12) REFLECTIVE SIGN POST LF	* (SPV.0060.05) PRECAST SIGN POST BASE EACH	(SPV.0060.06) SIGN POST BASE FOR CONCRETE INSTALLATION EACH	NOTES
0010	3-5	23+43	RT	W11-2		30	x	30	-	-	-	-	-	SIGN BY OTHERS, ON PEDESTAL POLE, FACES EAST
	3-6	23+43	RT	W16-7R		24	x	12	-	-	-	-	-	SIGN BY OTHERS, ON PEDESTAL POLE, FACES EAST
	3-7	23+64	LT	W11-2		30	x	30	-	-	-	-	-	SIGN BY OTHERS ON RRFB POLE, FACES WEST
	3-8	23+64	LT	W16-7R		24	x	12	-	-	-	-	-	SIGN BY OTHERS, ON RRFB POLE, FACES WEST
	3-9	23+64	LT	W11-2		30	x	30	-	-	-	-	-	SIGN BY OTHERS, ON RRFB POLE, FACES EAST
	3-10	23+64	LT	W16-7L		24	x	12	-	-	-	-	-	SIGN BY OTHERS, ON RRFB POLE, FACES EAST
	3-11	23+64	LT (OVERHEAD)	W11-2		30	x	30	-	-	-	-	-	SIGN BY OTHERS, MOUNT ON ARM ABOVE RRFB, FACES WEST
	3-12	23+64	LT (OVERHEAD)	W11-2		30	x	30	-	-	-	-	-	SIGN BY OTHERS, MOUNT ON ARM ABOVE RRFB, FACES EAST
	3-13	23+83	LT	CUSTOM	ATWOOD AV	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 3-17
	3-14	23+83	LT	CUSTOM	SUGAR AV	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 3-17
	3-15	23+83	LT	CUSTOM	DEAD END, RIGHT ARROW	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 3-17
	3-16	23+83	LT	CUSTOM	DEAD END, LEFT ARROW	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 3-17
	3-17	23+83	LT	R1-1		30	x	30	5.18	-	10	1	-	
	3-18	24+07	RT	CUSTOM	OAKRIDGE AV	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	3-19	24+07	RT	CUSTOM	ATWOOD AV	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	3-20	24+07	RT	R1-1		30	x	30	5.18	-	-	-	-	ON STREET LIGHT POLE
	3-21	24+23	LT	W14-1		30	x	30	-	6.25	11	1	-	
	3-22	24+65	RT	W6-1		36	x	36	-	9.00	13	1	-	
	3-23	24+65	RT	CUSTOM	NO PARKING ANY TIME	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 3-22
	3-24	24+84	LT	R3-2		24	x	24	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	3-25	24+84	LT	CUSTOM	EXCEPT BUSES	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	3-26	24+84	LT	CUSTOM	BUS STOP	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	3-27	28+54	RT	CUSTOM	BUS STOP	-	x	-	-	-	10	1	-	SIGN BY OTHERS
	3-28	26+17	LT	CUSTOM	NO PARKING ANY TIME	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	3-30	27+56	RT (MEDIAN)	W11-2		30	x	30	-	-	14	1	-	SIGN BY OTHERS, FACES WEST
	3-31	27+56	RT (MEDIAN)	W16-7R		24	x	12	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 3-30, FACES WEST
	3-32	27+56	RT (MEDIAN)	R4-7		24	x	30	5.00	-	-	-	-	ON POST WITH SIGN 3-30, FACES WEST, 4' MOUNTING HEIGHT
	3-33	27+56	RT (MEDIAN)	W11-2		30	x	30	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 3-30, FACES EAST
	3-34	27+56	RT (MEDIAN)	W16-7R		24	x	12	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 3-30, FACES EAST
	3-35	27+41	RT	W11-2		30	x	30	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	3-36	27+41	RT	W16-7L		24	x	12	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	3-37	27+87	LT	W11-2		30	x	30	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	3-38	27+87	LT	W16-7L		24	x	12	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	3-39	28+83	LT	W6-2		36	x	36	-	9.00	12	1	-	
	3-46	27+27	RT	R1-2		18	x	15.5	0.97	-	9	1	-	
	4-1	29+46	RT	CUSTOM	NO PARKING ANY TIME	-	x	-	-	-	10	1	-	SIGN BY OTHERS
	4-2	30+00	LT	R2-1	25 MPH	24	x	30	5.00	-	11	1	-	
	4-3	30+00	LT	CUSTOM	NO PARKING ANY TIME	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 4-2
	4-5	33+04	RT (MEDIAN)	R2-1	25 MPH	24	x	30	5.00	-	-	-	-	ON STREET LIGHT POLE
	4-6	33+04	RT (MEDIAN)	CUSTOM	NO PARKING ANY TIME	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	4-8	34+38	LT	CUSTOM	NO PARKING ANY TIME	-	x	-	-	-	10	1	-	SIGN BY OTHERS
	4-9	34+58	RT (MEDIAN)	R4-7		24	x	30	5.00	-	-	-	-	ON STREET LIGHT POLE, 4' MOUNTING HEIGHT
	5-1	36+37	RT (MEDIAN)	W11-2		30	x	30	-	-	11	1	-	SIGN BY OTHERS, FACES WEST
	5-2	36+37	RT (MEDIAN)	W16-7R		24	x	12	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 5-1, FACES WEST
	5-3	36+37	RT (MEDIAN)	W11-2		30	x	30	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 5-1, FACES EAST
	5-4	36+37	RT (MEDIAN)	W16-7R		24	x	12	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 5-1, FACES EAST
	5-5	36+37	RT	W11-2		30	x	30	-	-	11	1	-	SIGN BY OTHERS
	5-6	36+37	RT	W16-7L		24	x	12	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 5-5
	5-7	36+55	LT	W11-2		30	x	30	-	-	11	1	-	SIGN BY OTHERS
	5-8	36+55	LT	W16-7L		24	x	12	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 5-7
	5-9	36+80	RT (MEDIAN)	R4-7		24	x	30	5.00	-	-	-	-	ON STREET LIGHT POLE, 4' MOUNTING HEIGHT
	5-10	37+38	RT	R1-1		30	x	30	5.18	-	10	1	-	
	5-11	37+75	LT	CUSTOM	NO PARKING ANY TIME	-	x	-	-	-	10	1	-	SIGN BY OTHERS
	5-12	38+26	RT	CUSTOM	NO PARKING ANY TIME	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	6-1	41+06	RT	CUSTOM	NO PARKING ANY TIME	-	x	-	-	-	10	1	-	SIGN BY OTHERS
	6-2	42+00	LT	CUSTOM	NO PARKING ANY TIME	-	x	-	-	-	10	1	-	SIGN BY OTHERS
	6-3	43+49	LT	R2-1	25 MPH	24	x	30	5.00	-	10	1	-	
	6-4	44+58	RT	CUSTOM	NO PARKING ANY TIME	-	x	-	-	-	10	1	-	SIGN BY OTHERS
	6-5	45+01	LT	CUSTOM	BUS STOP	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	6-7	45+55	RT (MEDIAN)	CUSTOM	ATWOOD AV	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON TRAFFIC SIGNAL POLE
	6-8	45+55	RT (MEDIAN)	CUSTOM	WALTER ST	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON TRAFFIC SIGNAL POLE

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

(CONTINUED ON NEXT SHEET)

PERMANENT SIGNING (CONTINUED)

CATEGORY	SIGN NO.	STATION	LOCATION	SIGN CODE	MESSAGE	SIZE WIDTH x HEIGHT IN		IN	(637.2210) SIGNS TYPE II REFLECTIVE H SF	(637.2230) SIGNS TYPE II REFLECTIVE F SF	* (SPV.0090.12) REFLECTIVE SIGN POST LF	* (SPV.0060.05) PRECAST SIGN POST BASE EACH	(SPV.0060.06) SIGN POST BASE FOR CONCRETE INSTALLATION EACH	NOTES
0010	6-9	45+55	RT (MEDIAN)	R4-7		24	x	30	5.00	-	-	-	-	ON TRAFFIC SIGNAL POLE, 4' MOUNTING HEIGHT
	6-15	651+27	LT	R3-8ER	LEFT/THRU, RIGHT TURN ONLY	36	x	30	7.50	-	10	1	-	
	6-16	650+95	RT	R2-1	25 MPH	24	x	30	5.00	-	10	1	-	
	6-17	46+76	RT (MEDIAN)	R4-7		24	x	30	5.00	-	-	-	-	ON TRAFFIC SIGNAL POLE, 4' MOUNTING HEIGHT
	6-19	45+80	LT	R10-11B	NO TURN ON RED	24	x	24	4.00	-	-	-	-	ON TRAFFIC SIGNAL POLE
	6-20	46+32	LT	R10-11B	NO TURN ON RED	24	x	24	4.00	-	-	-	-	ON TRAFFIC SIGNAL ARM
	6-21	46+38	RT	R10-11B	NO TURN ON RED	24	x	24	4.00	-	-	-	-	ON TRAFFIC SIGNAL POLE
	6-22	45+95	RT	R10-11B	NO TURN ON RED	24	x	24	4.00	-	-	-	-	ON TRAFFIC SIGNAL POLE
	6-23	45+69	RT	CUSTOM	BIKE WAYFINDING SIGN	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON TRAFFIC SIGNAL POLE
	6-24	45+95	RT	CUSTOM	BIKE WAYFINDING SIGN	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON TRAFFIC SIGNAL POLE
	7-1	47+00	RT	R2-1	25 MPH	24	x	30	5.00	-	11	1	-	
	7-2	47+00	RT	CUSTOM	NO PARKING ANY TIME	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 7-1
	7-3	47+70	LT	CUSTOM	NO PARKING ANY TIME	-	x	-	-	-	10	1	-	SIGN BY OTHERS
	7-4	48+03	RT	CUSTOM	BUS STOP	-	x	-	-	-	10	1	-	SIGN BY OTHERS
	7-5	50+00	RT	W6-2		36	x	36	-	9.00	12	1	-	
	7-6	50+95	RT (MEDIAN)	R4-7		24	x	30	5.00	-	7	1	-	4' MOUNTING HEIGHT
	7-7	52+02	RT	CUSTOM	NO PARKING ANY TIME	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	7-8	51+12	LT	CUSTOM	DENNETT DR	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 7-10
	7-9	51+12	LT	CUSTOM	ATWOOD AV	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 7-10
	7-10	51+12	LT	R1-1		30	x	30	5.18	-	10	1	-	
	7-13	52+19	LT	CUSTOM	NO PARKING ANY TIME	-	x	-	-	-	10	1	-	SIGN BY OTHERS
	8-1	53+41	RT	R2-1	25 MPH	24	x	30	5.00	-	-	-	-	ON STREET LIGHT POLE
	8-2	54+41	LT	CUSTOM	NO PARKING ANY TIME	-	x	-	-	-	10	1	-	SIGN BY OTHERS
	8-3	55+22	LT	CUSTOM	MARGARET ST	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 8-5
	8-4	55+22	LT	CUSTOM	ATWOOD AV	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 8-5
	8-5	55+22	LT	R1-1		30	x	30	5.18	-	10	1	-	
	8-6	55+90	RT	CUSTOM	NO PARKING ANY TIME	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	8-7	56+01	LT	CUSTOM	BUS STOP	-	x	-	-	-	10	1	-	SIGN BY OTHERS
	8-8	56+98	RT	CUSTOM	BUS STOP	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	8-9	57+95	RT	CUSTOM	BIKE LANE AHEAD	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	8-10	58+67	LT	CUSTOM	NO PARKING ANY TIME	-	x	-	-	-	10	1	-	SIGN BY OTHERS
	9-1	60+94	LT	R2-1	25 MPH	24	x	30	5.00	-	-	-	-	ON STREET LIGHT POLE
	9-2	61+21	LT	CUSTOM	ATWOOD AV	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 9-4
	9-3	61+21	LT	CUSTOM	OLBRICH AV	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 9-4
	9-4	61+21	LT	R1-1		30	x	30	5.18	-	10	1	-	
	9-7	63+14	LT	CUSTOM	NO PARKING ANY TIME	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
	11-1	97+44	LT	R5-1		30	x	30	6.25	-	10	1	-	
	11-2	97+44	LT	CUSTOM	EXCEPT BIKES & MAINTENANCE VEHICLES	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 11-1
	11-3	97+44	RT	R5-1		30	x	30	6.25	-	10	1	-	
	11-4	97+44	RT	CUSTOM	EXCEPT BIKES & MAINTENANCE VEHICLES	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 11-3
	11-5	97+88	RT	W7-5		18	x	18	-	2.25	-	-	-	ON STREET LIGHT POLE
	11-6	97+88	RT	W13-1	20 MPH	18	x	18	-	2.25	-	-	-	ON STREET LIGHT POLE
	12-7	205+90	LT	CUSTOM	BIKE WAYFINDING SIGN	-	x	-	-	-	6	1	-	SIGN BY OTHERS
	12-8	205+90	RT	CUSTOM	BIKE WAYFINDING SIGN	-	x	-	-	-	7	1	-	SIGN BY OTHERS
					CATEGORY 0010 TOTALS				**183.77**	**46.75**	**562**	**52**	**3**	
0060	9-5	62+73	RT	R2-1	25 MPH	24	x	30	5.00	-	-	-	-	ON STREET LIGHT POLE
	9-6	62+73	RT	CUSTOM	NO PARKING ANY TIME	-	x	-	-	-	-	-	-	SIGN BY OTHERS, ON STREET LIGHT POLE
					CATEGORY 0060 TOTALS				**5.00**	**0.00**	**0**	**0**	**0**	
0100	3-29	27+10	RT	R1-1		30	x	30	5.18	-	10	1	-	
	3-46	105+42	LT	R7-8A		12	x	18	1.50	-	9	1	-	
	3-47	105+42	LT	R7-8V		12	x	6	0.50	-	-	-	-	ON POST WITH SIGN 3-46
	3-48	105+51	LT	R7-8A		12	x	18	1.50	-	9	1	-	
	3-49	105+51	LT	R7-8V		12	x	6	0.50	-	-	-	-	ON POST WITH SIGN 3-48
					CATEGORY 0100 TOTALS				**9.18**	**0.00**	**28**	**3**	**0**	
					PROJECT TOTALS				**197.95**	**46.75**	**590**	**55**	**3**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

3

PAVEMENT MARKINGS

CATEGORY	STATION	TO STATION	* (646.1020) MARKING LINE EPOXY 4-INCH (YELLOW) LF	(646.1020) MARKING LINE EPOXY 4-INCH (WHITE) LF	(SPV.0090.13) MARKING LINE EPOXY 6-INCH (WHITE) LF	(646.3020) MARKING LINE EPOXY 8-INCH (WHITE) LF	* (646.5020) MARKING ARROW EPOXY (TYPE 1) (WHITE) EACH	(TYPE 2) (WHITE) EACH	(BIKE LANE) (WHITE) EACH	(646.5120) MARKING WORDS EPOXY (WHITE, ONLY) EACH	* (646.5220) MARKING SYMBOL EPOXY (BIKE LANE) (WHITE) EACH	HANDICAP (WHITE) EACH	(RAISED CROSSWALK) (WHITE) EACH	(SPV.0090.15) MARKING STOP LINE EPOXY 24-INCH LF	(646.7120) MARKING DIAGONAL EPOXY 12-INCH (YELLOW) LF
0010	9+00	71+48	6,480	315	1,405	670	-	9	1	4	1	-	4	262	160
	650+00	652+36	335	-	20	90	2	1	-	-	-	-	-	28	-
CATEGORY 0010 SUBTOTALS			**6,815**	**315**	**-**	**-**	**2**	**10**	**1**	**-**	**1**	**0**	**4**	**-**	**160**
CATEGORY 0010 TOTALS			**7,130**		**1,425**	**760**		**13**		**4**		**5**		**290**	**160**
0060	58+23	70+27	2,591	24	1,780	590	-	3	3	2	3	-	-	32	15
CATEGORY 0060 SUBTOTALS			**2,591**	**24**	**-**	**-**	**0**	**3**	**3**	**-**	**3**	**0**	**0**	**-**	**15**
CATEGORY 0060 TOTALS			**2,615**		**1,780**	**590**		**6**		**2**		**3**		**32**	**15**
0100	LAKELAND AVENUE PARKING LOT		-	-	-	-	-	-	-	-	-	2	-	11	-
CATEGORY 0100 SUBTOTALS			**0**	**0**	**-**	**-**	**0**	**0**	**0**	**-**		**2**		**-**	**0**
CATEGORY 0100 TOTALS			**0**		**0**	**0**		**0**		**0**		**2**		**11**	**0**
PROJECT TOTALS			**9,745**		**3,205**	**1,350**		**19**		**6**		**10**		**333**	**175**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

PAVEMENT MARKINGS (CONTINUED)

CATEGORY	STATION	TO STATION	(646.7420) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	(SPV.0090.14) MARKING CROSSWALK EPOXY LADDER PATTERN 18-INCH LF	(646.8120) MARKING CURB EPOXY LF	(646.8220) MARKING ISLAND NOSE EPOXY EACH	(646.8320) MARKING PARKING STALL EPOXY LF	(SPV.0090.32) THERMOPLASTIC RETROREFLECTIVE PAVEMENT MARKING, 4-INCH (YELLOW) LF	(WHITE) LF	(SPV.0090.33) THERMOPLASTIC RETROREFLECTIVE PAVEMENT MARKING, 6-INCH (WHITE) LF
0010	9+00	71+48	679	790	110	13	-	58	95	556
	650+00	652+36	89	-	-	-	-	7	-	106
CATEGORY 0010 SUBTOTALS			**-**	**-**	**-**	**-**	**-**	**65**	**95**	**-**
CATEGORY 0010 TOTALS			**768**	**790**	**110**	**13**	**0**	**160**		**662**
0060	58+23	70+27	90	108	-	-	-	-	-	-
CATEGORY 0060 SUBTOTALS			-	-	-	-	-	**0**	**0**	-
CATEGORY 0060 TOTALS			**90**	**108**	**0**	**0**	**0**	**0**		**0**
0100	LAKELAND AVENUE PARKING LOT		**-**	**-**	**-**	**-**	**450**	-	-	-
CATEGORY 0100 SUBTOTALS			**-**	**-**	**-**	**-**	**-**	**0**	**0**	**-**
CATEGORY 0100 TOTALS			**0**	**0**	**0**	**0**	**450**	**0**		**0**
PROJECT TOTALS			**858**	**898**	**110**	**13**	**450**	**160**		**662**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

MARKING REMOVAL

CATEGORY	STAGE	STATION	TO STATION	LOCATION	(646.9000) MARKING REMOVAL LINE 4-INCH LF	(646.9200) MARKING REMOVAL LINE WIDE LF	(646.9300) MARKING REMOVAL SPECIAL MARKING EACH	NOTES
0010	2A	40+00	41+25	LT & RT	250	-	-	DOUBLE YELLOW CENTERLINE
	2A	40+00	41+25	RT	30	-	-	LANE LINE DASH
	2A	45+74	-	RT	-	24	-	STOP LINE
	2A	52+75	54+00	LT	250	-	-	DOUBLE YELLOW CENTERLINE
	2A	56+75	58+00	LT	30	-	-	LANE LINE DASH
	2B	24+50	25+75	RT	250	-	-	DOUBLE YELLOW CENTERLINE
	2B	36+70	37+60	RT	180	-	-	DOUBLE YELLOW CENTERLINE
	2B	MONONA DRIVE SOUTH OF COTTAGE GROVE ROAD			40	-	-	LANE LINE DASH
	3A	8+75	10+00	RT	30	-	-	LANE LINE DASH
	3A	68+10	70+15	RT	-	205	-	8" CHANNELIZATION LINE
	3A	70+15	-	LT & RT	-	12	-	STOP LINE
	3A	68+10	70+15	RT	50	-	-	LANE LINE DASH
	3A	68+88	-	LT & RT	-	-	1	ONLY
	3A	69+88	-	LT & RT	-	-	1	TYPE 2 ARROW
	PERMANENT	70+62	71+39	LT	5	245	-	CROSSWALK REALIGNMENT
			UNDISTRIBUTED		385	114	2	
			PROJECT TOTALS		**1,500**	**600**	**4**	

CONCRETE BARRIER TEMPORARY PRECAST

CATEGORY	STAGE	STATION	STATION	LOCATION	(603.8000) CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	(603.8125) CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	(614.0905) CRASH CUSHIONS TEMPORARY EACH	BACK WIDTH FT	OBJECT MARKING PATTERN	CRASH TEST LEVEL	TRAFFIC DIRECTION	TRAFFIC LOCATION	CRASH CUSHION SHIELDS
0010	3A	34+00	36+95	RT	300	300	2	2	OM-3R (W5-58R)	TL-2	BIDIRECTIONAL	ONE SIDE (LT)	TEMPORARY BARRIER
	3A	37+35	43+10	RT	570	570	1	2	OM-3R (W5-58R)	TL-2	BIDIRECTIONAL	ONE SIDE (LT)	TEMPORARY BARRIER
	3A	47+00	57+00	RT	985	985	1	2	OM-3R (W5-58R)	TL-2	BIDIRECTIONAL	ONE SIDE (LT)	TEMPORARY BARRIER
			UNDISTRIBUTED		645	645	1						
			PROJECT TOTALS		**2,500**	**2,500**	**5**						

TRAFFIC CONTROL DETOUR

CATEGORY	DESCRIPTION	BARRICADES TYPE III NO. DEVICES	* (643.0420) TRAFFIC CONTROL BARRICADES TYPE III DAY	WARNING LIGHTS TYPE A NO. DEVICES	* (643.0705) TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	SIGNS NO. DEVICES	* (643.0900) TRAFFIC CONTROL SIGNS DAY	SIGNS FIXED MESSAGE NO. DEVICES	* (643.1000) TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	DURATION	
STAGES 2A & 2B											
0010	ATWOOD AVENUE	1	88	2	176	15	1,320	10	30.00	88	DAYS
	FAIR OAKS AVENUE	-	-	-	-	12	1,056	8	24.00	88	DAYS
	MILWAUKEE STREET	2	176	4	352	15	1,320	8	24.00	88	DAYS
STAGES 3A, 3B & 3C											
	ATWOOD AVENUE	2	180	4	360	14	1,260	8	40.00	90	DAYS
	FAIR OAKS AVENUE	-	-	-	-	12	1,080	8	40.00	90	DAYS
	MILWAUKEE STREET	-	-	-	-	10	900	6	30.00	90	DAYS
	WALTER STREET	-	-	-	-	12	1,080	8	40.00	90	DAYS
	PROJECT TOTALS	**-**	**444**		**888**		**8,016**		**228.00**		

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

BICYCLE ROUTE DETOUR

CATEGORY	DESCRIPTION	SIGNS NO. DEVICES	* (643.0900) TRAFFIC CONTROL SIGNS DAY	SIGNS FIXED MESSAGE NO. DEVICES	* (643.1000) TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	DURATION	
0010	ATWOOD AVENUE	2	538	2	5.00	269	DAYS
	DUNNING STREET	2	538	2	5.00	269	DAYS
	OAKRIDGE AVENUE	1	269	1	2.50	269	DAYS
	CAPITAL CITY TRAIL	12	3,228	12	30.00	269	DAYS
	FAIR OAKS AVENUE	1	269	1	2.50	269	DAYS
	DEMPSEY ROAD	2	538	2	5.00	269	DAYS
	COTTAGE GROVE ROAD	3	807	3	7.50	269	DAYS
	MONONA DRIVE	1	269	1	2.50	269	DAYS
	LAKELAND AVENUE	1	269	1	2.50	269	DAYS
	ELMSIDE BOULEVARD	2	538	2	5.00	269	DAYS
	UNDISTRIBUTED	-	737		12.50		
	PROJECT TOTALS		**8,000**		**80.00**		

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

FENCE SAFETY

CATEGORY	STATION	TO STATION	LOCATION	(616.0700.S) FENCE SAFETY LF
0010	23+52	24+35	RT	240
		UNDISTRIBUTED		460
		PROJECT TOTAL		**700**

TRAFFIC CONTROL

CATEGORY	DESCRIPTION	(643.5000) TRAFFIC CONTROL EACH	DRUMS NO. DEVICES	(643.0300) TRAFFIC CONTROL DRUMS DAY	BARRICADES TYPE III NO. DEVICES	* (643.0420) TRAFFIC CONTROL BARRICADES TYPE III DAY	(643.0500) TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS POSTS EACH	(643.0600) TRAFFIC CONTROL FLEXIBLE TUBULAR MARKERS BASES EACH	WARNING LIGHTS TYPE A NO. DEVICES	* (643.0705) TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	WARNING LIGHTS TYPE C NO. DEVICES	(643.0715) TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	ARROW BOARDS NO. DEVICES	(643.0800) TRAFFIC CONTROL ARROW BOARDS DAY	SIGNS NO. DEVICES	* (643.0900) TRAFFIC CONTROL SIGNS DAY	SIGNS FIXED MESSAGE NO. DEVICES	* (643.1000) TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	SIGNS PCMS NO. DEVICES	(643.1050) TRAFFIC CONTROL SIGNS PCMS DAY	DURATION	
0010	STAGE 1	-	19	1,121	1	59	-	-	2	118	6	354	1	59	14	826	-	-	3	21	59	DAYS
	STAGE 2A	-	81	2,673	35	1,155	51	51	48	1,584	18	594	1	33	47	1,551	-	-	-	-	33	DAYS
	STAGE 2B	-	220	12,100	55	3,025	186	186	80	4,400	17	935	1	55	87	4,785	-	-	-	-	55	DAYS
	STAGE 3A	-	257	11,565	80	3,600	192	192	115	5,175	37	1,665	1	45	113	5,085	3	5.64	-	-	45	DAYS
	STAGES 3B &3C	-	242	10,890	54	2,430	172	172	82	3,690	29	1,305	1	45	106	4,770	-	-	-	-	45	DAYS
	STAGE 4	-	100	500	5	25	-	-	10	50	5	25	2	10	11	55					5	DAYS
	STAGE 5	-	0	0	0	0	-	-	0	0	0	0	0	0	10	270	-	-	-	-	27	DAYS
	PROJECT 5992-10-16	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	269	DAYS
	UNDISTRIBUTED	-	-	6,151	-	1,206	99	99	-	1,483	-	622	-	53	-	2,158	-	-	-	79	-	-
	PROJECT TOTALS	**1**	**-**	**45,000**	**-**	**11,500**	**700**	**700**	**-**	**16,500**	**-**	**5,500**	**-**	**300**	**-**	**19,500**	**-**	**5.64**		**100**		

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TEMPORARY PAVEMENT MARKINGS

CATEGORY	STAGE	STATION	TO STATION	LOCATION	* (643.3105) TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW) LF	(643.3105) TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) LF	* (643.3150) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) LF	(643.3150) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) LF	(643.3205) TEMPORARY MARKING LINE PAINT 8-INCH LF	(643.3250) TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH LF	(643.3505) TEMPORARY MARKING ARROW PAINT (TYPE 2, WHITE) EACH	(643.3550) TEMPORARY MARKING ARROW REMOVABLE TAPE (TYPE 2, WHITE) EACH	(643.3805) TEMPORARY MARKING STOP LINE PAINT 18-INCH LF	(643.3850) TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	(643.3970) TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH LF
0010	1	49+00	50+25	RT	-	-	-	125	-	-	-	-	-	-	-
	2A	40+00	58+00	LT & RT	1,210	610	1,560	1,130	-	-	-	-	-	-	-
	2B	23+90	70+20	RT & LT	7,920	4,770	1,290	430	-	10	-	-	-	-	-
	2B	68+22	68+62	LT	-	-	-	-	-	-	-	-	-	-	40
	2B	68+55	68+95	RT	-	-	-	-	-	-	-	-	-	-	40
	3A	8+75	10+00	RT	-	-	-	125	-	-	-	-	-	-	-
	3A	27+14	46+13	LT & RT	3,390	3,315	250	250	-	-	-	-	25	-	-
	3A	650+55	652+10	LT & RT	310	-	-	-	-	-	-	-	21	-	-
	3A	46+27	71+41	LT & RT	3,900	3,105	850	605	50	-	1	-	18	-	-
	3B	26+80	46+04	LT & RT	3,415	1,760	250	125	-	-	-	-	25	-	-
	3B	46+33	61+75	LT & RT	2,585	1,570	-	-	-	-	-	-	10	-	-
	3C	27+00	40+00	LT & RT	345	235	-	-	-	-	-	-	-	-	-
	4	LANE CLOSURE TAPER			-	-	-	625	-	-	-	-	-	-	-
		UNDISTRIBUTED			2,425	1,635	2,800	1,585	50	50	1	2	51	100	20
		SUBTOTALS			**25,500**	**17,000**	**7,000**	**5,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
		PROJECT TOTALS			**42,500**		**12,000**		**100**	**60**	**2**	**2**	**150**	**100**	**100**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TEMPORARY PAVEMENT

CATEGORY	STAGE	STATION	TO STATION	LOCATION	(465.0125) ASPHALTIC SURFACE TEMPORARY TON	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	(SPV.0090.20) STAKING TEMPORARY PAVEMENT LF
0010	2A	44+75	46+60	LT & RT	128	309	185
	2B	26+75	31+78	RT	282	681	503
	2B	33+04	43+11	RT	259	627	1,007
	2B	44+75	58+31	RT & LT	1,008	2,434	1,356
	2B	58+31	64+25	LT	87	210	594
			UNDISTRIBUTED		236	590	355
			PROJECT TOTALS		**2,000**	**4,850**	**4,000**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

STAGING SAWCUTS

CATEGORY	STAGE	STATION	TO STATION	LOCATION	* (690.0150) SAWING ASPHALT LF	* (690.0250) SAWING CONCRETE LF
0010	2A	44+75	46+60	LT & RT	40	260
	2B	26+75	31+78	RT	255	290
	2B	33+04	43+11	RT	1,040	10
	2B	44+75	68+21	RT	360	2,090
	3A	27+30	32+18	LT & RT	240	245
	3A	32+64	44+75	LT & RT	1,170	40
	3A	46+60	68+11	RT/ONLINE	1,750	415
	3B	51+00	58+40	ONLINE	740	-
			UNDISTRIBUTED		405	650
			PROJECT TOTALS		**6,000**	**4,000**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

COVER PLATES TEMPORARY

CATEGORY	STAGE	STATION	LOCATION	* (611.8120.S) COVER PLATES TEMPORARY EACH
0010	2A	45+20	23' LT	1
	2B	27+47	10' RT	1
	2B	30+50	9' RT	1
	2B	30+50	23' RT	1
	2B	36+68	23' RT	1
	2B	45+20	32' RT	1
	2B	45+40	25' RT	1
	2B	46+05	25' RT	1
	2B	46+20	25' RT	1
	2B	47+23	17' RT	1
	2B	47+23	26' RT	1
	2B	50+00	11' RT	1
	2B	50+00	27' RT	1
	2B	50+50	6' RT	1
	2B	51+30	2' RT	1
	2B	51+44	2' RT	1
	2B	51+95	6' RT	1
	2B	51+95	14' RT	1
	2B	53+90	6' RT	1
	2B	53+90	13' RT	1
	2B	55+93	6' RT	1
	2B	55+93	13' RT	1
	2B	56+03	13' RT	1
		UNDISTRIBUTED		17
		PROJECT TOTAL		**40**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

COVERING SIGNS TYPE II

CATEGORY	STAGE	STATION	LOCATION	(643.0920) COVERING SIGNS TYPE II EACH	NO. OF CYCLES	NOTES
0010	2B	37+32	RT	1	1	
	3A	9+68	RT	1	1	OVERHEAD
	3A	11+70	LT	1	1	OVERHEAD
		UNDISTRIBUTED		7		
		PROJECT TOTAL		**10**		

INLET COVERS FLAT TEMPORARY

CATEGORY	STAGE	STATION	LOCATION	(SPV.0060.38) INLET COVERS FLAT TEMPORARY EACH
0010	2B	27+24	24' RT	1
	2B	27+34	24' RT	1
	2B	27+44	24' RT	1
	2B	27+54	24' RT	1
	2B	36+60	26' RT	1
	2B	47+23	40' RT	1
	2B	47+50	40' RT	1
	2B	47+60	40' RT	1
		UNDISTRIBUTED		2
		PROJECT TOTAL		**10**

PEDESTRIAN ACCESS

CATEGORY	DESCRIPTION	BARRICADES TYPE II NO. DEVICES	(643.0410) TRAFFIC CONTROL BARRICADES TYPE II DAY	WARNING LIGHTS TYPE A NO. DEVICES	* (643.0705) TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	SIGNS NO. DEVICES	* (643.0900) TRAFFIC CONTROL SIGNS DAY	* (644.1410) TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	SIGNS FIXED MESSAGE NO. DEVICES	* (643.1000) TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	(644.1430) TEMPORARY PEDESTRIAN SURFACE PLATE SF	(644.1440) TEMPORARY PEDESTRIAN SURFACE MATTING SF	TEMPORARY CURB RAMP NO. DEVICES	* (644.1601) TEMPORARY PEDESTRIAN CURB RAMP DAY	* (644.1605) TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD SF	* (644.1810) TEMPORARY PEDESTRIAN BARRICADE LF	* (643.3150) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) LF	DURATION	
0010	STAGE 1	6	354	6	354	7	413	250	6	-	-	-	-	-	-	-	-	-	59	DAYS
	STAGE 2A	15	495	15	495	15	495	60	1	-	-	-	-	2	66	24	-	-	33	DAYS
	STAGE 2B	16	880	16	880	16	880	805	20	-	-	-	1,975	28	1,540	264	880	100	55	DAYS
	STAGE 3A	51	2,295	51	2,295	62	2,790	2,519	62	-	-	1,920	1,094	29	1,305	256	2,524	492	45	DAYS
	STAGES 3B & 3C	50	2,250	50	2,250	56	2,520	2,032	50	-	-	-	552	21	945	192	918	325	45	DAYS
	PED DETOUR - 2A/2B	15	1,320	15	1,320	22	1,936	-	-	3	8.00	-	-	-	-	-	-	-	88	DAYS
	UNDISTRIBUTED	-	906	-	906	-	966	84	30	-	-	380	379	10	444	64	78	43	-	DAYS
	UNDISTRIBUTED - STAGE 2A	-	-	-	-	-	-	5,000	123	-	-	-	-	-	-	-	2,000	-	-	DAYS
	UNDISTRIBUTED - STAGE 2B	-	-	-	-	-	-	11,750	290	-	-	-	-	-	-	-	4,700	-	-	DAYS
	UNDISTRIBUTED - STAGE 3A	-	-	-	-	-	-	14,500	358	-	-	-	-	-	-	-	5,800	-	-	DAYS
	UNDISTRIBUTED - STAGES 3B & 3C	-	-	-	-	-	-	14,500	358	-	-	-	-	-	-	-	5,800	-	-	DAYS
	PROJECT TOTALS		**8,500**		**8,500**		**10,000**	**51,500**	**1,300**		**8.00**	**2,300**	**4,000**		**4,300**	**800**	**22,700**	**1,000**		

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TEMPORARY BUS STOPS

CATEGORY	STAGE	STATION	TO STATION	LOCATION	* (644.1410) TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	TEMPORARY CURB RAMP NO. DEVICES	* (644.1601) TEMPORARY PEDESTRIAN CURB RAMP DAY	* (644.1605) TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD SF	* (644.1810) TEMPORARY PEDESTRIAN BARRICADE LF	DURATION	
0010	2A	46+50	46+80	LT	-	-	1	33	30	175	33	DAYS
	2B	23+38	23+48	RT	35	1	-	-	20	-	55	DAYS
	2B	42+75	42+85	LT	65	2	-	-	20	-	55	DAYS
	2B	45+55	45+85	RT	-	-	-	-	20	60	55	DAYS
	2B	54+97	55+17	LT	-	-	-	-	30	40	55	DAYS
	3A	45+21	45+56	RT	-	-	-	-	20	40	45	DAYS
	3A	46+85	46+95	RT	50	1	-	-	20	20	45	DAYS
	3A	56+60	56+80	LT	140	3	-	-	30	45	45	DAYS
	3A	56+75	56+90	RT	-	-	-	-	30	10	45	DAYS
	3A	61+75	61+98	LT	140	3	-	-	30	45	45	DAYS
	3A	70+86	70+94	LT	40	1	-	-	20	-	45	DAYS
	3A	71+85	71+95	LT	40	1	-	-	20	-	45	DAYS
	3B	651+25	651+35	RT	105	3	-	-	20	-	45	DAYS
			UNDISTRIBUTED		185	4	-	17	90	165	-	DAYS
			PROJECT TOTALS		**800**	**20**		**50**	**400**	**600**		

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

3

STREET LIGHTING REMOVALS

CATEGORY	STRUCTURE	STATION	OFFSET	* (204.0195) REMOVING CONCRETE BASES EACH	(SPV.0060.14) STREET LIGHT REMOVAL EACH
0040	SL1033	13+45.5	26.4' L	1	1
	SL1034	14+65.4	25.6' L	1	1
	SL1035	15+73.8	26' L	1	1
	SL1036	17+13.9	25.3' L	1	1
	SL1037 (EXISTING)	18+28.3	24.4' L	1	1
	SL1038	19+57.8	25' L	1	1
	SL1039	21+10	25.2' L	1	1
	SL1040	22+31.6	26' L	1	1
	SL1041 (EXISTING)	23+56.0	24.1' L	1	1
	SL1042 (EXISTING)	24+30.6	29.5' R	1	1
	SL1043 (EXISTING)	25+63.1	25.4' L	1	1
	SL1044 (EXISTING)	27+34.1	30.8' L	1	1
	SL1046 (EXISTING)	29+06.1	29.3' L	1	1
	SL1047 (EXISTING)	30+42.7	28.8' L	1	1
	SL1048 (EXISTING)	31+70	28.5' L	1	1
	SL1049 (EXISTING)	32+71.8	31.65' L	1	1
	SL1050 (EXISTING)	34+51	29.1' L	1	1
	SL1051 (EXISTING)	35+97.7	27.2' L	1	1
	SL1052 (EXISTING)	37+49	28.1' L	1	1
	SL1053 (EXISTING)	39+00.0	29.3' L	1	1
	SL1054 (EXISTING)	40+52.6	29.7' L	1	1
	SL1056 (EXISTING)	43+46	32.0' L	1	1
	SL1058 (EXISTING)	45+48.9	25.8' L	1	1
	SL1059 (EXISTING)	45+97.6	57.4' R	1	1
	SL1057 (EXISTING)	44+38.3	35.6' R	1	1
	EXISTING TS BASE	46+37.0	56.8' R	1	-
	EXISTING TC BASE	46+30.5	76.1' L	1	-
	EXISTING TS BASE	46+47.7	27.9' L	1	-
	EXISTING TS BASE	46+61.8	7.9' R	1	-
	SL1060 (EXISTING)	46+57.5	41.8' R	1	1
	SL1062 (EXISTING)	47+57.6	35.4' L	1	1
	SL10003	66+98.4	29.1' L	1	1
	PROJECT TOTALS			**32**	**28**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

STREET LIGHTING PULLBOXES

CATEGORY	STRUCTURE	STATION	OFFSET	* (SPV.0060.26) ELECTRICAL PULLBOX, TYPE I EACH	* (653.0905) REMOVING PULL BOXES EACH	COMMENTS
0040	HH4	18+28	24.5' L	1	-	
	HH20	102+66	11' R	1	-	FIELD LOCATED
	HH21	98+61	16' R	1	-	FIELD LOCATED
	HH22	27+95	7.5' R	1	-	
	HH23	27+96	29' R	1	-	
	HH26	36+33	25.5' L	1	-	
	HH27	36+33	7' R	1	-	
	HH28	36+33	28' R	1	-	
	HH29	39+79	29' R	1	-	
	HH40	46+87	15' R	1	-	
	HH48	45+46	6' R	1	-	
	HH52	50+73	28' R	1	-	
	HH53	50+72	4.5' L	1	-	
	HH58	55+75	17' R	1	-	
	HH66	68+05	26' L	1	-	
	HH56	111+38 (PATH)	14' R	1	-	PARKS PULLBOX
	HH71	112+33 (PATH)	14' R	1	-	PARKS PULLBOX
	CATEGORY 0040 TOTALS			**17**	**0**	
0080	HH60	57+90	19' R	1	-	
	HH64	65+60	28 R	-	1	
	HH65	67+67	30' R	-	1	
	CATEGORY 0080 TOTALS			**1**	**2**	
	PROJECT TOTALS			**18**	**2**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

STREET LIGHTING CONDUIT & WIRE

CATEGORY	FROM	TO	* (652.0235) CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	* (652.0225) CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	* (652.0325) CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	(655.0630) ELECTRICAL WIRE LIGHTING 4 AWG LF	(655.0620) ELECTRICAL WIRE LIGHTING 8 AWG LF	COMMENT
0040	EXISTING CONDUIT	SL1033	-	5	-	15	5	1 - 2"
	SL1033	EXISTING CONDUIT	-	5	-	15	5	1 - 2"
	EXISTING CONDUIT	SL1034	-	5	-	15	5	1 - 2"
	SL1034	SL1035	-	132	-	396	132	1 - 2"
	SL1035	HH2	-	5	-	15	5	1 - 2"
	HH2	SL1036	-	136	-	408	136	1 - 2"
	SL1036	HH4	-	115	-	345	115	1 - 2"
	HH4	HH3	-	5	-	-	-	1 - 2"
	HH4	SL1038	-	60	75	405	135	1 - 2"
	SL1038	SL1039	-	100	60	480	160	1 - 2"
	SL1039	SL1040	-	60	60	360	120	1 - 2"
	SL1040	HH12	-	140	-	420	140	1 - 2"
	HH12	SL1041	12	-	-	36	12	1 - 3"
	HH12	HH18	-	-	25	75	25	1 - 2"
	HH18	HH17	-	-	35	105	35	1 - 2"
	HH17	SL1042	-	25	-	75	25	1 - 2"
	HH12	SL1043	-	30	85	345	115	1 - 2"
	SL1043	SL1044	-	133	-	399	133	1 - 2"
	SL1043	SL9988	-	140	30	510	170	1 - 2"
	SL9988	HH22	-	-	35	105	35	1 - 2"
	HH33	HH23	-	-	22	66	22	1 - 2"
	HH23	LC1	-	25	-	75	25	1 - 2"
	HH23	SL1045	-	57	-	171	57	1 - 2"
	LC1	P913	-	195	-	585	195	1 - 2"
	P913	HH20	-	266	-	798	266	1 - 2"
	HH20	P914	-	160	-	480	160	1 - 2"
	P914	HH20	-	265	-	795	265	1 - 2"
	HH20	P915	-	65	-	195	65	1 - 2", STUB TO WEST
	HH22	SL1047	-	90	-	270	90	1 - 2"
	SL1047	SL1048	-	134	-	402	134	1 - 2"
	SL1048	SL1049	-	133	-	399	133	1 - 2"
	SL1050	SL1051	-	130	30	480	160	1 - 2"
	SL1051	SL1052	-	112	-	336	112	1 - 2"
	SL1052	HH27	-	65	-	105	35	1 - 2"
	HH27	SL1053	-	28	-	84	28	1 - 2"
	HH27	HH28	-	-	21	63	21	1 - 2"
	HH28	SL1054	-	160	33	579	193	1 - 2"
	SL1054	HH29	-	153	-	459	153	1 - 2"
	HH29	SL1055	-	-	22	66	22	1 - 2"
	SL1055	SL1056	-	136	-	408	136	1 - 2"
	SL1056	SL1057	-	147	-	441	147	1 - 2"
	SL1057	SL1058	-	145	-	435	145	1 - 2"
	SL1058	HH47	-	141	-	423	141	1 - 2"
	HH47	HH46	-	-	35	105	35	1 - 2"
	HH46	HH45	-	50	-	150	80	1 - 2"
	HH45	SL9989	-	6	-	18	6	1 - 2"
	HH47	HH34	-	-	46	138	46	1 - 2"
	HH34	HH35	-	60	-	180	60	1 - 2"
	HH35	HH36	-	36	-	108	36	1 - 2"
	HH36	SL1060	-	6	-	18	6	1 - 2"
	HH36	HH38	-	70	-	210	70	1 - 2"
	HH38	LC2	14	-	-	42	14	1 - 2"
	LC2	TC1	-	6	-	-	-	1 - 2"
	HH38	HH40	-	22	-	66	22	1 - 2"
	HH40	SL1061	-	-	-	18	6	1 - 2"

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

(CONTINUED ON NEXT SHEET)

STREET LIGHTING CONDUIT & WIRE (CONTINUED)

CATEGORY	FROM	TO	* (652.0235) CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	* (652.0225) CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	* (652.0325) CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	(655.0630) ELECTRICAL WIRE LIGHTING 4 AWG LF	(655.0620) ELECTRICAL WIRE LIGHTING 8 AWG LF	COMMENT
0040	LC2	HH40	-	-	36	108	36	1 - 2"
	HH40	SL1062	-	128	-	384	128	1 - 2"
	SL1062	SL9990	-	122	-	366	122	1 - 2"
	SL9990	HH53	-	100	36	408	136	1 - 2"
	HH53	SL9991	-	5	-	15	5	1 - 2"
	HH53	HH52	-	-	20	60	20	1 - 2"
	HH52	SL9992	-	130	-	390	130	1 - 2"
	SL9992	SL9993	-	126	-	378	126	1 - 2"
	SL9993	SL9994	-	126	-	378	126	1 - 2"
	SL9994	HH58	-	120	-	360	120	1 - 2"
	HH58	SL9995	-	6	-	18	6	1 - 2"
	SL9995	SL9996	-	134	-	402	134	1 - 2"
	SL9996	HH60	-	119	-	357	119	1 - 2"
	HH60	SL9997	-	5	-	15	5	1 - 2"
	HH60	HH61	-	250	50	900	300	1 - 2"
	HH61	SL9999	-	5	-	15	5	1 - 2"
	SL9999	SL10000	-	75	50	375	125	1 - 2"
	SL10000	SL10001	-	100	-	300	100	1 - 2"
	SL10001	SL10002	-	160	30	570	190	1 - 2"
	SL10002	HH63	-	34	-	102	34	1 - 2"
	HH63	HH64	-	-	60	180	60	1 - 2"
	HH63	SL2516	-	134	30	492	164	1 - 2"
	SL2516	HH66	-	110	-	330	110	1 - 2"
	HH66	SL2515	-	-	50	150	50	1 - 2"
	HH66	SL2514	-	105	-	315	105	1 - 2"
	SL2514	HH67	-	107	-	321	107	1 - 2"
	LC1	P979	-	4	-	12	4	1 - 2"
	HH46	P980	-	47	-	141	47	1 - 2"
	EXISTING CONDUIT	HH71	-	20	-	300	150	1 - 2" PARKS
	EXISTING CONDUIT	HH72	-	20	-	300	150	1 - 2" PARKS
	CATEGORY 0040 TOTALS		**26**	**6,251**	**976**	**22,134**	**7,508**	
0080	HH60	SL9998	-	100	35	405	135	1 - 2"
	SL9998	SL10197	-	160	30	570	190	1 - 2"
	SL10197	SL10196	-	115	-	345	115	1 - 2"
	SL10196	SL10195	-	132	-	396	132	1 - 2"
	SL10195	HH64	-	165	-	495	165	1 - 2"
	CATEGORY 0080 TOTALS		**0**	**672**	**65**	**2,211**	**737**	
	PROJECT TOTALS		**26**	**6,923**	**1,041**	**24,345**	**8,245**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

IRRIGATION CONDUIT

CATEGORY	STATION	LOCATION	* (652.0335) CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH LF	* (SPV.0060.62) SEWER ELECTRONIC MARKERS EACH
0100	29+20	LT & RT	75	2
	35+30	LT & RT	72	2
	41+70	LT & RT	80	2
	PROJECT TOTALS		**227**	**6**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

STREET LIGHTING POLES

CATEGORY	STRUCTURE	STATION	OFFSET	(SPV.0060.31) CONCRETE BASE TYPE LB-2 EACH	(SPV.0060.32) CONCRETE BASE TYPE LB-3 EACH	* (SPV.0060.33) CONCRETE BASE TYPE LB-8 EACH	(SPV.0060.34) CONCRETE BASE TYPE P EACH	* (SPV.0060.36) CONCRETE BASE OFFSET EACH	(SPV.0060.16) LIGHTING CONTROL CABINET EACH	(656.0201.02) ELECTRICAL SERVICE METER BREAKER PEDESTAL (STA. 27+98.0, 51.0' RT) EACH	(656.0201.03) ELECTRICAL SERVICE METER BREAKER PEDESTAL (STA. 46+90.0, 47.5' RT.) EACH	(SPV.0060.22) POLE ALUMINUM 20-FOOT STREET LIGHT, BLACK EACH	(SPV.0060.23) POLE 30-FOOT, 11 GAUGE EACH	(SPV.0060.24) POLE 30-FOOT, 7 GAUGE EACH	(SPV.0060.37) TRANSFORMER BASE 16-INCH STEEL EACH	(SPV.0060.17) LED LUMINAIRE AND MOUNTING BRACKET TYPE 1 EACH	(SPV.0060.18) LED LUMINAIRE AND MOUNTING BRACKET TYPE 2 EACH	(SPV.0060.19) LED LUMINAIRE AND MOUNTING BRACKET TYPE 3 EACH	(SPV.0060.20) LED LUMINAIRE AND MOUNTING BRACKET TYPE 4 EACH	(SPV.0060.21) LED LUMINAIRE AND MOUNTING BRACKET TYPE 5 EACH	(SPV.0090.16) ELECTRICAL WIRE LIGHTING, 14-3 GROUNDED LF	COMMENTS
0040	SL1033	13+18.8	26' L	-	1	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	40	
	SL1034	14+42.8	25.5' L	-	-	1	-	-	-	-	-	-	-	1	-	-	1	-	-	-	40	
	SL1035	15+72.6	25.6' L	-	1	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	40	
	SL1036	17+13.5	25.2' L	-	-	1	-	-	-	-	-	-	-	1	-	-	1	-	-	-	40	
	SL1037	18+44.5	24.6' L	-	-	1	-	-	-	-	-	-	-	1	-	-	-	1	-	-	40	
	SL1038	19+56.9	25.0' L	-	1	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	40	
	SL1039	21+12.8	23.5' L	-	1	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	40	
	SL1040	22+31.2	26.1' L	-	1	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	40	
	SL1041	23+64.0	25.7' L	-	-	1	-	-	-	-	-	-	-	1	-	-	-	1	-	-	40	
	SL1042	24+07.0	39.0' R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	40	
	SL1043	24+84.0	25.7' L	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	40	
	SL1044	26+17.0	25.7' L	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	40	
	LC1	27+98.0	51.0' R	-	-	-	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	
	SL1045	27+41.0	30.0' R	-	-	1	-	-	-	-	-	-	1	-	-	-	1	-	-	1	80	
	SL9988	27+87.0	25.7' L	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	40	
	SL1047	28+83.0	5.5' R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	80	
	SL1048	30+17.0	5.0' R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	80	
	SL1049	31+51.0	5.0' R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	80	
	P913	105+28.0	12.0' R	1	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	25	
	P914	101+20.0	16.0' R	1	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	25	
	P915	97+88.0	13.0' R	1	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	25	
	SL1050	33+04.0	27.0' R	-	1	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1	80	
	SL1051	34+57.5	5.0' R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	80	
	SL1052	35+68.0	5.0' R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	80	
	SL1053	36+80.0	5.0' R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	80	
	SL1054	38+26.0	28.5' R	-	1	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1	80	
	SL1055	39+79.0	5.5' R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	80	
	SL1056	41+14.0	8.0' R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	80	
	SL1057	42+56.0	9.5' R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	80	
	SL1058	43+98.0	4.0R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	80	
	SL1059	45+55.0	4.0' R	-	-	1	-	-	-	-	-	-	-	1	1	-	-	-	-	2	80	
	SL9989	45+80.0	62.0' L	-	1	-	-	-	-	-	-	-	1	-	1	-	-	-	1	-	40	
	SL1060	46+38.0	70.0' R	-	1	-	-	-	-	-	-	-	1	1	1	-	-	-	1	-	40	
	SL1061	46+76.0	15.0' R	-	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-	2	80	
	LC2	46+90.0	47.5' R	-	-	-	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	
	SL1062	48+14.7	10.7' R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	80	
	SL9990	49+21.0	4.2' R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	80	
	SL9991	50+76.5	4.7' R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	80	
	SL9992	52+02.0	18.0' R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	40	
	SL9993	53+40.0	17.0' R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	40	
	SL9994	54+75.0	17.0' R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	40	
	SL9995	55+90.0	17.0' R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	40	
	SL9996	56+98.0	18.0' R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	40	
	SL9999	60+94.0	26.0' L	-	1	-	-	1	-	-	-	-	1	-	-	-	-	-	-	1	40	
	SL10000	62+16.0	27.0' L	-	1	-	-	1	-	-	-	-	1	-	-	-	-	-	-	1	40	
	SL10001	63+14.0	27.0' L	-	1	-	-	1	-	-	-	-	1	-	-	-	-	-	-	1	40	
	SL10002	65+00.0	23.5' L	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	40	
	SL10003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	SL2516	66+99.0	24.5' L	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	RE-USE EXISTING POLE & FIXTURE
	SL2514	69+11.0	26.0' L	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	RE-USE EXISTING POLE & FIXTURE
	P979	28+05.0	51.0' R	1	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	25	
	P980	45+01.0	27.0' L	1	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	25	
CATEGORY 0040 TOTALS				**5**	**37**	**7**	**2**	**3**	**2**	**1**	**1**	**5**	**37**	**6**	**4**	**8**	**5**	**4**	**5**	**40**	**2,605**	
0080	SL9997	57+95.0'	19.0' R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	40	
	SL9998	59+67.0	20.0' R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	40	
	SL10197	61+60.00	19.5' R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	40	
	SL10196	62+73.00	28.5' R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	40	
	SL10195	63+98.00	33.5' R	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	40	
	SL2517	65+77.00	35.4' R	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	RE-USE EXISTING POLE & FIXTURE
	SL2515	68+08.0	39.8' R	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	RE-USE EXISTING POLE & FIXTURE
CATEGORY 0080 TOTALS				**0**	**7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**280**	
PROJECT TOTALS				**5**	**44**	**7**	**2**	**3**	**2**	**1**	**1**	**5**	**42**	**6**	**4**	**8**	**5**	**4**	**5**	**45**	**2,885**	

3

TEMPORARY LIGHTING

CATEGORY	DESCRIPTION	(SPV.0060.87) TEMPORARY LIGHTING EACH
0040	PROJECT 5992-10-16	1
	PROJECT TOTAL	**1**

TEMPORARY OVERHEAD FIBER OPTIC

CATEGORY	DESCRIPTION	(SPV.0060.95) TEMPORARY OVERHEAD FIBER OPTIC EACH
0040	PROJECT 5992-10-16	1
	PROJECT TOTAL	**1**

TEMPORARY TRAFFIC SIGNALS

CATEGORY	DESCRIPTION	(SPV.0060.89) TEMPORARY TRAFFIC SIGNALS ATWOOD AVENUE - WALTER STREET EACH	(SPV.0060.90) TEMPORARY TRAFFIC SIGNALS ATWOOD AVENUE - COTTAGE GROVE ROAD EACH
0050	ATWOOD AVENUE & WALTER STREET	1	-
	ATWOOD AVENUE & COTTAGE GROVE ROAD	-	1
	PROJECT TOTALS	**1**	**1**

TRAFFIC SIGNAL REMOVALS

CATEGORY	STATION	OFFSET	(204.0195)* REMOVING CONCRETE BASES EACH	(SPV.0060.15) TRAFFIC SIGNAL REMOVAL EACH	(SPV.0060.56) REMOVE BASE TYPE 10 EACH
0050	45+73.5	3.1' R	1	1	-
	45+78.4	43.5'R	1	1	-
	46+01.1	29' L	1	1	-
	70+20.0	35' L	-	-	1
	PROJECT TOTALS		**3**	**3**	**1**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC DETECTOR LOOPS

CATEGORY	LOOP NO.	STATION	OFFSET		CURBLINE REFERENCE	SIZE	NO. TURNS	(SPV.0090.31) SAWED IN BICYCLE LOOP DETECTION LF	(655.0800) LOOP DETECTOR WIRE LF
0050	L11	44+76	2.75	FT	MEDIAN	6X6	3	-	90
	L12	45+88	2.75	FT	MEDIAN	6X10	3	-	106
	L21	48+70	2	FT	WB	6X6	3	-	78
	L22	46+78	2	FT	WB	6X10	3	-	108
	L23	48+70	14	FT	WB	6X6	3	-	89
	L24	46+78	14	FT	WB	6X10	3	-	110
	L25	46+43	-	FT	-	BIKE	3	102	-
	L26	48+68	-	FT	-	BIKE	3	104	-
	L27	48+56	-	FT	-	BIKE	3	104	-
	L41	45+80	3	FT	SB	6X10	3	-	103
	L42	45+90	2.5	FT	WB	6X10	3	-	108
	L43	46+03	14	FT	WB	6X6	3	-	90
	L44	45+70	-	FT	-	BIKE	3	104	-
	L45	45+75	-	FT	-	BIKE	3	104	-
	L46	45+54	-	FT	-	BIKE	3	104	-
	L47	45+64	-	FT	-	BIKE	3	104	-
	L51	46+98	3	FT	MEDIAN	6X10	3	-	115
	L52	46+77	3	FT	MEDIAN	6X10	3	-	103
	L61	43+64	3	FT	EB	6X6	3	-	80
	L62	45+34	4	FT	EB	6X6	3	-	96
	L63	45+53	4	FT	EB	6X6	3	-	96
	L64	44+80	-	FT	-	BIKE	3	104	-
	L65	44+92	-	FT	-	BIKE	3	104	-
	L66	45+85	-	FT	-	BIKE	3	119	-
	L67	46+56	-	FT	-	BIKE	3	121	-
	L81	46+29	3	FT	NB	6X10	3	-	111
	L82	46+69	-	FT	WB	BIKE	3	104	-
	L83	46+62	-	FT	WB	BIKE	3	104	-
	L84	47+90	3	FT	EB (BUS PULL OUT)	6X10	3	106	-
	L1	CITY INSTALLED AT A LATER DATE							
	L2	CITY INSTALLED AT A LATER DATE							
	L3	13+74	2.5	FT	WB	6X6	3	-	79
	L4	13+74	12.5	FT	WB	6X6	3	-	89
	L5	13+68	24	FT	WB	6X6	3	-	100
					PROJECT TOTALS			**1,488**	**1,751**

LOOP LOCATIONS ARE APPROXIMATE, AND MUST BE VERIFIED IN THE FIELD BY ENGINEER.
BIKE LOOPS TO BE INSTALLED IN BASE AGGREGATE BEFORE CONCRETE SIDEWALK PLACED,
USE FIGURE 8 QUADRAPOLE DESIGN OF DIMENSION 4-FT BY 6-FT BISECTED DOWN MIDDLE.
CONTACT JERRY SCHIPPA (608) 267-1969 FOR BIKE LOOP FIELD PLACEMENT.

TRAFFIC SIGNAL PULLBOXES

CATEGORY	STRUCTURE	STATION	OFFSET	* (SPV.0060.26) ELECTRICAL PULLBOX, TYPE I EACH	(SPV.0060.27) ELECTRICAL PULLBOX, TYPE III EACH	(SPV.0060.28) ELECTRICAL PULLBOX, TYPE V EACH	(SPV.0060.29) ELECTRICAL PULLBOX, TYPE VII EACH	* (653.0905) REMOVING PULL BOXES EACH	COMMENTS
0050	HH1	14+57	16' R	-	-	1	-	1	
	HH2	15+80	23' L	1	-	-	-	-	
	HH3	18+19	24.5' L	-	-	1	-	-	
	HH5	18+58	46' L	1	-	-	-	-	
	HH6	18+37	23.5' R	-	-	1	-	-	
	HH7	18+69	43.5' R	1	-	-	-	-	
	HH8	19+07	40' R	1	-	-	-	-	
	HH9	13+75	24' L	1	-	-	-	-	
	HH10	19+37	18.5' R	-	-	-	-	1	
	HH11	23+33	14.5' R	1	-	-	-	-	
	HH12	23+71	24' L	-	-	1	-	-	
	HH13	23+88	50' L	1	-	-	-	-	
	HH14	24+21	48' L	1	-	-	-	-	
	HH15	24+52	24.5' L	-	-	-	1	1	
	HH16	24+58	27' R	-	-	1	-	1	
	HH17	23+88	54.5' R	1	-	-	-	-	
	HH18	23+56	42' R	-	-	1	-	-	
	HH19	28+05	29' R	1	-	-	-	-	
	HH24	30+87	28' R	-	-	-	-	-	MAINTAIN EXISTING
	HH25	34+46	27' R	1	-	-	-	1	REPLACE EXISTING FIBER PULLBOX
	HH30	40+20	30' R	1	-	-	-	1	
	HH31	43+65	36' R	-	1	-	-	-	
	HH32	44+82	37' R	1	-	-	-	-	
	HH33	45+59	45.5' R	-	-	-	-	1	
	HH34	45+73	36' R	-	-	1	-	-	
	HH35	46+00	79' R	-	-	1	-	-	
	HH36	46+38	78' R	-	-	1	-	-	
	HH37	46+66	43' R	-	-	-	-	1	
	HH38	46+80	39' R	-	-	-	1	-	
	HH39	46+82	15' R	-	-	1	-	-	
	HH41	46+85	26' L	-	-	1	-	-	
	HH42	46+85	30' L	-	-	-	1	-	
	HH43	46+65	49' L	-	-	-	-	1	REMOVE FIBER PULLBOX
	HH44	46+38	53' L	1	-	-	-	-	
	HH45	45+83	57' L	-	-	1	-	-	
	HH46	45+46	28' L	-	-	1	-	-	
	HH47	45+36	4' R	-	-	1	-	-	
	HH49	45+74	137' L	-	1	-	-	-	
	HH50	48+00	42' R	1	-	-	-	-	
	HH51	48+68	26' L	-	1	-	-	-	
	HH54	50+71	26' L	-	-	1	-	-	
	HH55	50+98	35' L	-	-	-	-	1	REMOVE FIBER PULLBOX
	HH57	55+02	39' L	-	-	-	-	1	REMOVE FIBER PULLBOX
	HH59	55+75	26' L	1	-	-	-	-	
	HH61	60+91	26' L	1	-	-	-	-	
	HH62	60+97	36' L	-	-	-	-	1	REMOVE FIBER PULLBOX
	HH63	65+34	23.5' L	-	-	1	-	1	
	HH67	70+11	26' L	-	-	1	-	-	
	HH68	70+33	35.5' L	-	-	1	-	1	REPLACE EXISTING PULLBOX
	HH70	13+75	24' L	1	-	-	-	-	
	UNDISTRIBUTTED			-	-	-	-	1	
	PROJECT TOTALS			**18**	**3**	**18**	**3**	**15**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC SIGNAL CONDUIT

CATEGORY	FROM	TO	* (652.0235) CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	(652.0225) CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	* (652.0335) CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH LF	(652.0325) CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	(652.0605) CONDUIT SPECIAL 2-INCH LF	(652.0615) CONDUIT SPECIAL 3-INCH LF	(652.0700.S) INSTALL CONDUIT INTO EXISTING ITEM EACH	COMMENT
0050	EXISTING HH	HH9	-	140	-	-	-	55	1	1 - 2"
	EXISTING HH	HH2	342	-	-	-	55	-	1	1 - 3"
	EXISTING CONDUIT	HH1	183	-	-	-	-	-	-	1 - 3"
	HH1	HH6	330	-	60	-	-	-	-	1 - 3"
	HH2	HH3	245	-	-	-	-	-	-	1 - 3"
	HH3	TS1	-	-	-	40	-	-	-	1 - 2"
	TS1	HH6	-	-	-	19	-	-	-	1 - 2"
	HH3	HH6	-	-	49	-	-	-	-	1 - 3"
	HH6	TS2	-	5	-	-	-	-	-	1 - 2"
	HH6	HH7	-	42	-	-	-	-	-	1 - 2"
	HH7	HH8	-	-	-	38	-	-	-	1 - 2"
	HH3	HH5	-	56	-	-	-	-	-	1 - 2"
	HH5	SL1037	-	30	-	-	-	-	-	1 - 2"
	HH3	HH12	552	-	-	-	-	-	-	1 - 3"
	HH6	HH11	495	-	30	-	-	-	-	1 - 3"
	HH12	HH13	-	34	-	-	-	-	-	1 - 2"
	HH12	HH18	-	-	68	-	-	-	-	1 - 3"
	HH11	TS3	-	9	-	-	-	-	-	1 - 2"
	HH11	HH18	40	-	-	-	-	-	-	1 - 3"
	HH13	HH14	-	33	-	-	-	-	-	1 - 2"
	HH14	HH15	-	45	-	-	-	-	-	1 - 2"
	HH18	HH17	-	-	35	-	-	-	-	1 - 3"
	HH11	HH16	-	-	125	-	-	-	-	1 - 3"
	HH17	HH16	80	-	-	-	-	-	-	1 - 3"
	HH16	HH15	-	-	55	-	-	-	-	1 - 3"
	HH12	HH15	-	-	82	-	-	-	-	1 - 3"
	HH16	HH19	350	-	-	-	-	-	-	1 - 3"
	HH19	HH23	-	8	-	-	-	-	-	1 - 2"
	HH19	HH24	285	-	-	-	-	-	-	1 - 3"
	HH25	HH30	575	-	-	-	-	-	-	1 - 3"
	HH30	HH38	550	-	100	-	-	-	-	1 - 3"
	HH31	HH32	-	115	-	-	-	-	-	1 - 2"
	HH32	HH34	-	88	-	-	-	-	-	1 - 2"
	HH34	TS7	-	22	-	-	-	-	-	1 - 2"
	HH34	TS6	-	11	-	-	-	-	-	1 - 2"
	HH34	HH35	49	-	-	-	-	-	-	1 - 3"
	HH35	TS5	15	-	-	-	-	-	-	1 - 3"
	HH35	HH36	-	-	35	-	-	-	-	1 - 3"
	HH36	SL1060	5	-	-	-	-	-	-	1 - 3"
	HH36	HH38	59	-	-	-	-	-	-	1 - 3"
	HH38	TC1	20	10	-	-	-	-	-	2 - 3, 1 - 2"
	TC1	TS4	8	-	-	-	-	-	-	1 - 3"
	TC1	MGE SERVICE	-	-	130	-	-	-	-	1 - 3"
	HH38	HH50	-	117	-	-	-	-	-	1 - 2"
	HH38	HH40	-	-	23	23	-	-	-	1 - 3", 1 - 2"
	HH38	HH42	-	-	70	-	-	-	-	1 - 3"
	HH40	SL1061	6	-	-	-	-	-	-	1 - 3"
	HH40	HH41	-	-	44	44	-	-	-	1 - 3", 1 - 2"
	HH41	HH42	5	-	-	-	-	-	-	1 - 3"
	HH41	TS13	-	9	-	-	-	-	-	1 - 2"
	HH41	TS12	-	28	-	-	-	-	-	1 - 2"
	HH42	EXISTING FIBER	28	-	-	-	-	-	-	1 - 3"
	HH41	HH44	56	-	-	-	-	-	-	1 - 3"
	HH44	TS10	-	10	-	-	-	-	-	1 - 2"
	HH44	TS11	-	3	-	-	-	-	-	1 - 2"

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

(CONTINUED ON NEXT SHEET)

TRAFFIC SIGNAL CONDUIT (CONTINUED)

CATEGORY	FROM	TO	* (652.0235) CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	* (652.0225) CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	(652.0335) CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH LF	* (652.0325) CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	(652.0605) CONDUIT SPECIAL 2-INCH LF	(652.0615) CONDUIT SPECIAL 3-INCH LF	(652.0700.S) INSTALL CONDUIT INTO EXISTING ITEM EACH	COMMENT
0050	HH44	HH45	-	-	60	-	-	-	-	1 - 3"
	HH45	HH49	-	81	-	-	-	-	-	1 - 2"
	HH45	SL9989	6	-	-	-	-	-	-	1 - 3"
	HH45	TS9	-	16	-	-	-	-	-	1 - 2"
	HH45	HH46	51	-	-	-	-	-	-	1 - 3"
	HH46	TS8	-	13	-	-	-	-	-	1 - 2"
	HH46	HH48	-	-	33	-	-	-	-	1 - 3"
	HH48	SL1059	8	-	-	-	-	-	-	1 - 3"
	HH48	HH34	-	-	41	-	-	-	-	1 - 3"
	HH38	EXISTING FIBER	10	-	-	-	-	-	-	1 - 3"
	HH41	HH51	-	190	-	-	-	-	-	1 - 2"
	HH42	HH54	395	-	-	-	-	-	-	1 - 3"
	HH54	HH53	-	-	-	31	-	-	-	1 - 2"
	HH53	HH52	-	-	-	21	-	-	-	1 - 2"
	HH54	HH59	420	-	80	-	-	-	-	1 - 3"
	HH59	HH58	-	-	-	50	-	-	-	1 - 2"
	HH59	HH61	520	-	-	-	-	-	-	1 - 3"
	HH61	HH63	400	-	50	-	-	-	-	1 - 3"
	HH63	HH67	440	-	40	-	-	-	-	1 - 3"
	HH67	TS14	6	-	-	-	-	-	-	1 - 3"
	HH67	HH68	40	-	-	-	-	-	-	2 - 3"
	PROJECT TOTALS		**6,574**	**1,115**	**1,210**	**266**	**55**	**55**	**2**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC SIGNAL POLE WIRE

CATEGORY	AT POLE #	TO HEAD #	* (655.0230) CABLE TRAFFIC SIGNAL 5-14 AWG LF	* (655.0240) CABLE TRAFFIC SIGNAL 7-14 AWG LF	* (655.0250) CABLE TRAFFIC SIGNAL 9-14 AWG LF
ATWOOD AVENUE & WALTER STREET					
0050	TS4	1, 16, 17, PB	-	-	15
	SL1061	2, 3, 4, PB	-	80	-
	TS13	5, PB	15	-	-
	TS12	18, 19	15	-	-
	TS11	PB	6	-	-
	TS10	6	35	-	-
	SL9989	7, 8	-	-	15
	TS9	PB	6	-	-
	TS8	9, 20, 21, PB	-	-	50
	SL1059	10, 11, 12, PB	-	70	-
	TS7	13	15	-	-
	TS6	22, 23, PB	-	15	-
	TS5	7, 14	-	-	35
	SL1060	15	-	15	-
ATWOOD AVENUE & COTTAGE GROVE ROAD					
0050	TS14	26,27,28,PB	50	45	-
	PROJECT TOTALS		**142**	**225**	**115**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC SIGNAL CABLE AND WIRE

CATEGORY	FROM	TO	* (655.0230) CABLE TRAFFIC SIGNAL 5-14 AWG LF	* (655.0240) CABLE TRAFFIC SIGNAL 7-14 AWG LF	* (655.0250) CABLE TRAFFIC SIGNAL 9-14 AWG LF	(655.0615) ELECTRICAL WIRE LIGHTING 10 AWG LF	(SPV.0090.17) LOOP DETECTOR LEAD-IN CABLE SPECIAL LF	(SPV.0090.18) FIBER OPTIC CABLE 24-COUNT LF	(SPV.0090.19) FIBER OPTIC CABLE 144-COUNT LF	(678.0200) FIBER OPTIC SPLICE ENCLOSURE EACH	(678.0300) FIBER OPTIC SPLICE EACH	(678.0400) FIBER OPTIC TERMINATION EACH
ATWOOD AVENUE & SUGAR AVENUE/OAKRIDGE AVENUE												
0050	EXISTING HH AT FAIR OAKS	HH1	-	-	-	-	-	-	420	-	144	6
	HH1	HH6	-	-	-	-	-	-	430	-	-	-
	HH6	HH11	-	-	-	-	-	-	545	-	-	-
	HH10	HH11	-	-	-	-	-	-	182	-	-	-
	HH11	HH16	-	-	-	-	-	-	225	-	-	-
	HH16	OLBRICH VIA HH15	-	-	-	-	-	450	-	1	144	12
	HH16	WATER PUMP STATION	-	-	-	-	-	750	-	-	-	12
	HH16	HH19	-	-	-	-	-	-	370	-	-	-
	HH19	HH24	-	-	-	-	-	-	300	-	-	-
	HH24	HH25	-	-	-	-	-	-	375	-	-	-
	HH9	EXISTING HH/CABINET	-	-	-	-	735	-	-	-	-	-
	SYSTEM GROUND		-	-	-	-	-	-	-	-	-	-
	SYSTEM NEUTRAL		-	-	-	-	-	-	-	-	-	-
	DETECTOR LOOP LEAD-IN		-	-	-	-	735	-	-	-	-	-
ATWOOD AVENUE & WALTER STREET												
0050	TC1	TS4	16	-	-	-	-	-	-	-	-	-
	TC1	SL1061	-	-	40	-	-	-	-	-	-	-
	TC1	TS13	86	-	-	-	-	-	-	-	-	-
	TC1	TS12	-	105	-	-	-	-	-	-	-	-
	TC1	TS11	140	-	-	-	-	-	-	-	-	-
	TC1	TS10	145	-	-	-	-	-	-	-	-	-
	TC1	SL9989	-	-	200	-	-	-	-	-	-	-
	TC1	TS9	215	-	-	-	-	-	-	-	-	-
	TC1	TS8	-	530	-	-	245	-	-	-	-	-
	TC1	SL1059	225	225	-	-	-	-	-	-	-	-
	TC1	TS6	-	190	-	-	-	-	-	-	-	-
	TC1	TS5	205	-	-	-	-	-	-	-	-	-
	TC1	SL1060	-	-	125	-	-	-	-	-	-	-
	TC1	HH50	-	-	-	-	126	-	-	-	-	-
	TC1	HH39	-	-	-	-	70	-	-	-	-	-
	TC1	HH41	-	-	-	-	80	-	-	-	-	-
	TC1	HH51	-	-	-	-	1,040	-	-	-	-	-
	TC1	HH45	-	-	-	-	384	-	-	-	-	-
	TC1	HH49	-	-	-	-	825	-	-	-	-	-
	TC1	HH47	-	-	-	-	651	-	-	-	-	-
	TC1	HH32	-	-	-	-	1,029	-	-	-	-	-
	TC1	HH31	-	-	-	-	378	-	-	-	-	-
	TC1	HH36	-	-	-	-	81	-	-	-	-	-
	HH38	HH42	-	-	-	-	-	90	170	-	-	-
	HH42	EXISTING FIBER ON WALTER	-	-	-	-	-	-	-	1	144	6
	HH42	HH54	-	-	-	-	-	-	445	-	-	-
	TC1	HH44	-	-	-	-	110	-	-	-	-	-
	HH54	HH59	-	-	-	-	-	-	554	-	-	-
	HH59	HH61	-	-	-	-	-	-	544	-	-	-
	HH61	HH63	-	-	-	-	-	-	472	-	-	-
	HH63	HH67	-	-	-	-	-	-	531	-	-	-
	HH67	HH68	-	-	-	-	-	-	100	-	-	-
	TC1	HH35	-	-	-	-	115	-	-	-	-	-
	TC1	L76	-	-	-	-	5	-	-	-	-	-
	HH25	HH30	-	-	-	-	-	-	595	-	-	-
	HH30	HH38	-	-	-	-	-	-	701	-	-	-
	HH38	TC1	-	-	-	-	-	30	-	-	-	-
	SYSTEM GROUND		-	-	-	2,447	-	-	-	-	-	-
	SYSTEM NEUTRAL		-	-	-	2,447	-	-	-	-	-	-
	DETECTOR LOOP LEAD-IN		-	-	-	-	5,139	-	-	-	-	-
ATWOOD AVENUE & COTTAGE GROVE ROAD												
0050	TC2	TS14	175	175	-	-	-	-	-	-	-	-
	TC2	HH67	-	-	-	-	350	-	-	-	-	-
	EXISTING HH ON SE CORNER		-	-	-	-	-	-	-	-	144	6
	SYSTEM GROUND		-	-	-	350	-	-	-	-	-	-
	SYSTEM NEUTRAL		-	-	-	350	-	-	-	-	-	-
	DETECTOR LOOP LEAD-IN		-	-	-	-	350	-	-	-	-	-
	PROJECT TOTALS		**1,207**	**1,225**	**365**	**5,594**	**6,224**	**1,320**	**6,959**	**2**	**576**	**42**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC SIGNAL CONCRETE BASES & POLES

CATEGORY	STRUCTURE	STATION	OFFSET	(SPV.0060.30) CONCRETE BASE TYPE G EACH	(SPV.0060.33)* CONCRETE BASE TYPE LB-8 EACH	(SPV.0060.35) CONCRETE BASE TYPE M EACH	(SPV.0060.36)* CONCRETE BASE OFFSET EACH	(654.0110) CONCRETE BASES TYPE 10 EACH	(657.0405) TRAFFIC SIGNAL STANDARDS ALUMINUM 3.5-FT EACH	(657.0415) TRAFFIC SIGNAL STANDARDS ALUMINUM 11-FT EACH	(657.0420) TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	(SPV.0060.25) POLE 20-FOOT, 7 GAUGE EACH	(SPV.0060.42) PEDESTAL BASE, BLACK EACH	COMMENTS
ATWOOD AVENUE & WALTER STREET														
0050	TS1	18+43.0	4.0' R	1	-	-	-	-	-	-	1	-	1	
	TS2	18+42.3	24.5' R	1	-	-	-	-	-	-	1	-	1	
	TS3	23+43.2	14.5' R	1	-	-	1	-	-	-	1	-	1	
	TS4	46+77.5	47.5' R	-	1	-	-	-	-	-	-	1	-	
	TS5	45+95.0	65.5' R	-	1	-	-	-	-	-	-	1	-	
	TS6	45+68.5	44.5' R	1	-	-	-	-	-	1	-	-	1	
	TS7	45+50.0	38.6 R	1	-	-	-	-	-	1	-	-	1	
	TS8	45+54.8	36.5' L	-	1	-	-	-	-	-	-	1	-	
	TS9	45+66.5	51.0' L	1	-	-	-	-	1	-	-	-	1	
	TS10	46+32.0	60.0' L	-	1	-	-	-	-	-	-	1	-	
	TS11	46+42.0	53.0' L	1	-	-	-	-	1	-	-	-	1	
	TS12	46+60.0	37.0' L	1	-	-	-	-	-	1	-	-	1	
	TS13	46+79.0	25.5' L	1	-	-	-	-	-	1	-	-	1	
	TC1	46+84.5	47.5' R	-	-	1	-	-	-	-	-	-	-	
ATWOOD AVENUE & COTTAGE GROVE ROAD														
0050	TS14	70+17.0	29.3' L	-	-	-	-	1	-	-	-	-	-	RE-USE EXISTING POLE & ARM
PROJECT TOTALS				**9**	**4**	**1**	**1**	**1**	**2**	**4**	**3**	**4**	**9**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC SIGNAL EQUIPMENT

CATEGORY	STRUCTURE	(SPV.0060.46) TRAFFIC SIGNAL HEADS 12-INCH, 3-SECTION EACH	(SPV.0060.47) TRAFFIC SIGNAL HEADS 12-INCH, 4-SECTION EACH	(SPV.0060.48) TRAFFIC SIGNAL HEADS 12-INCH, 5-SECTION EACH	(SPV.0060.49) TRAFFIC SIGNAL HEADS 16-INCH PEDESTRIAN WITH COUNTDOWN EACH	(SPV.0060.50) BACKPLATES SIGNAL FACE 3-SECTION 12-INCH EACH	(SPV.0060.51) BACKPLATES SIGNAL FACE 4-SECTION 12-INCH EACH	(SPV.0060.52) BACKPLATES SIGNAL FACE 5-SECTION 12-INCH EACH	(658.0500) PEDESTRIAN PUSH BUTTONS EACH	(SPV.0060.43) TRAFFIC SIGNAL TROMBONE ARMS ALUMINUM 12-FOOT EACH	(SPV.0060.44) TRAFFIC SIGNAL TROMBONE ARMS ALUMINUM 18-FOOT EACH	(SPV.0060.45) TRAFFIC SIGNAL TROMBONE ARMS ALUMINUM 22-FOOT EACH	(SPV.0060.40) NEMA TS2 TYPE 1 TRAFFIC SIGNAL CONTROL CABINET EACH	(656.0201.01) ELECTRICAL SERVICE METER BREAKER PEDESTAL (STA. 46+84.5, 47.5' RT) EACH	(SPV.0060.41) TRAFFIC SIGNAL ETHERNET SWITCH EACH	(SPV.0060.88) OPTICAL SIGNAL PREEMPT EACH	(658.5070.01) SIGNAL MOUNTING HARDWARE (ATWOOD AVENUE & WALTER STREET) EACH	(658.5070.02) SIGNAL MOUNTING HARDWARE (ATWOOD AVENUE & COTTAGE GROVE ROAD) EACH
ATWOOD AVENUE & WALTER STREET																			
0050	TS4	1	-	-	2	1	-	-	2	-	-	-	-	-	-	-	-	-	-
	SL1061	1	2	-	-	1	2	-	1	1	-	-	-	-	-	-	-	-	-
	TS13	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	TS12	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	TS11	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	TS10	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	SL9989	1	-	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-
	TS9	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	TS8	1	-	-	2	1	-	-	1	-	-	1	-	-	-	-	-	-	-
	SL1059	1	2	-	-	1	2	-	1	1	-	-	-	-	-	-	-	-	-
	TS7	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	TS6	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	TS5	1	-	1	-	1	-	1	1	-	-	-	-	-	-	-	-	-	-
	SL1060	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	TC1	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-
	SL1034	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	SL1036	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	SL1041	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
ATWOOD AVE. & WALTER ST.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-
ATWOOD AVENUE & COTTAGE GROVE ROAD																			
0050	TS14	2	-	-	1	2	-	-	1	-	-	-	-	-	-	-	-	-	-
ATWOOD AVE. & COTTAGE GROVE RD.		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PROJECT TOTALS		**13**	**4**	**2**	**9**	**13**	**4**	**2**	**11**	**2**	**3**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**

MOUNT EB EVP TO SL1061
MOUNT WB EVP TO TS8
MOUNT SB EVP TO TS10 ARM, REVERSE MOUNT

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	MISCELLANEOUS QUANTITIES	SHEET E

FILE NAME : P:\3705\373\00373071\CADD\SHEETSPLAN\030201-MQ BORDER.DWG
LAYOUT NAME - 030201-mq
PLOT DATE : 4/3/2019 3:55 PM
PLOT BY : JASON DOLENS
PLOT NAME :
WISDOT/CADDS SHEET 42

MULTI-USE PATH

CATEGORY	STATION	TO STATION	LOCATION	# (205.0100) EXCAVATION COMMON CY	# (208.0100) BORROW CY	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	* (460.5224) HMA PAVEMENT 4 LT 58-28 S TON	* (624.0100) WATER MGAL	* (690.0150) SAWING ASPHALT LF	* (650.4500) CONSTRUCTION STAKING SUBGRADE LF	* (650.5000) CONSTRUCTION STAKING BASE LF
0010	24+34	27+26	RT	206	206	273	81	4	-	292	292
	97+43	116+40	LT/RT	1,259	1,259	1,595	467	22	28	1,897	1,897
	36+98	58+21	RT	1,672	1,672	1,836	537	26	8	2,123	2,123
	36+36	36+54	LT	6	6	8	2	0	8	18	18
	200+00	206+17	LT	348	348	465	126	7	20	617	617
	46+72	50+80	LT	-	-	290	78	4	-	408	408
	51+86	52+42	LT	-	-	36	10	1	-	56	56
	52+84	55+00	LT	-	-	140	40	2	-	216	216
	55+87	60+98	LT	-	-	332	96	5	-	511	511
	61+85	70+21	LT	-	-	448	123	6	-	836	836
	PROJECT TOTALS			**3,491**	**3,491**	**5,420**	**1,562**	**76**	**64**	**6,974**	**6,974**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

FOR INFORMATIONAL PURPOSES ONLY. AN UNDISTRIBUTED QUANTITY IS INCLUDED ON THE EARTHWORK SUMMARY TABLE FOR EBS UNDER THE MULTI-USE PATH

NOTE: WATER IS FOR DUST CONTROL AND COMPACTION

MULTI-USE PATH PAVEMENT MARKINGS

CATEGORY	STATION	TO STATION	LOCATION	* (646.1020) MARKING LINE EPOXY 4-INCH (YELLOW) LF	* (646.1020) MARKING LINE EPOXY 4-INCH (WHITE) LF	* (646.5020) MARKING ARROW EPOXY (BIKE LANE) (WHITE) EACH	* (646.5220) MARKING SYMBOL EPOXY (BIKE LANE) (WHITE) EACH	* (646.5220) MARKING SYMBOL EPOXY (PEDESTRIAN) (WHITE) EACH
0010	24+34	57+98	RT	837	2,849	18	18	8
	97+43	107+00	RT	270	-	6	6	-
	200+00	206+17	LT	168	-	4	4	-
	46+72	50+80	LT	102	-	4	4	-
	51+86	55+00	LT	115	-	4	4	-
	55+87	60+98	LT	129	-	4	4	-
	61+85	70+21	LT	210	-	4	4	-
	CATEGORY 0010 SUBTOTALS			**1,831**	**2,849**	**-**	**44**	**8**
	PROJECT TOTALS			**4,680**		**44**	**52**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

HIGH FRICTION COLORED SURFACE, GREEN

CATEGORY	STATION	TO STATION	LOCATION	(SPV.0165.03) HIGH FRICTION COLORED SURFACE, GREEN SF
0010	26+79	27+05	RT	390
	37+02	37+32	RT	450
	45+57	45+67	LT	271
	45+57	45+67	RT	230
	45+79	46+36	LT	525
	46+03	46+34	RT	455
	46+64	46+74	LT	335
	46+64	46+74	RT	120
	50+80	50+90	LT	220
	50+80	50+90	RT	121
	51+10	51+58	LT	415
	51+76	51+86	LT & RT	357
	55+22	55+63	LT	336
	61+20	61+61	LT	317
	64+61	67+89	LT	213
	65+46	65+80	LT	251
	67+15	67+42	LT	216
	68+14	68+42	LT	219
	201+22	201+44	LT	229
	PROJECT TOTAL			**5,670**

CITY OF MADISON SANITARY SEWER ACCESS STRUCTURE REMOVALS

CATEGORY	STRUCTURE	STATION	LOCATION	EXISTING TOP OF CASTING	INVERT ELEVATION	DEPTH	(SPV.0060.57) REMOVE SANITARY SEWER ACCESS STRUCTURE EACH	(SPV.0060.58) ABANDON SANITARY SEWER ACCESS STRUCTURE EACH
0010	EX. SAS #6042-012	15+26.80	5.00' RT	883.22	877.22	6.00	1	-
	EX. SAS #6042-011	18+71.26	10.75' RT	868.33	861.51	6.82	-	1
	EX. SAS #6042-010	21+32.37	6.99' RT	864.34	855.46	8.88	1	-
	EX. SAS #6042-020	23+87.15	1.75' RT	858.19	843.65	14.54	1	-
	EX. PARKS MANHOLE	46+58.78	59.84' RT	851.34	842.52	8.82	1	-
	EX. SAS #6243-014	50+10.57	26.23' LT	852.93	845.23	7.70	-	1
	EX. SAS #6244-007	51+37.24	26.60' LT	853.76	844.82	8.94	1	-
	EX. SAS #6244-006	51+48.85	26.56' LT	853.83	844.95	8.88	1	-
	EX. SAS #6244-005	53+10.85	25.87' LT	854.95	846.71	8.24	1	-
	EX. SAS #6244-004	55+41.60	27.78' LT	856.95	848.96	7.99	1	-
	EX. SAS #6244-003	57+92.70	25.04' LT	858.95	850.53	8.42	1	-
	EX. SAS #6244-008	60+25.97	24.59' LT	861.63	853.23	8.40	1	-
	EX. SAS #6344-018	61+41.84	26.32' LT	862.97	854.62	8.35	1	-
	EX. SAS #6345-015	62+67.89	25.42' LT	864.13	855.41	8.72	1	-
	EX. SAS #6345-016	64+58.98	17.89' LT	864.78	856.76	8.02	1	-
					PROJECT TOTALS		**13**	**2**

CITY OF MADISON SANITARY SEWER PIPE REMOVALS & ABANDONMENTS

CATEGORY	FROM STRUCTURE	FROM STATION	FROM LOCATION	TO STRUCTURE	TO STATION	FROM LOCATION	LENGTH FT	PAID (Y/N)	SIZE	PIPE MATERIAL	(SPV.0090.23) REMOVE SANITARY SEWER PIPE LF	(SPV.0060.67) ABANDON SANITARY SEWER - PIPE PLUG EACH	(SPV.0035.01) ABANDON SANITARY SEWER-SLURRY CY	NOTES
0010	EX. SAS #6042-012	15+26.80	5.00' RT	EX. SAS #6042-011	18+71.26	10.75' RT	344	Y	8"	VP	-	-	2.5	
	EX. SAS #6042-011	18+71.26	10.75' RT	SAS #5	18+92.30	46.00' RT	41	Y	6"	VP	41	-	-	
	EX. SAS #6042-011	18+71.26	10.75' RT	EX. SAS #6042-010	21+32.37	6.99' RT	261	Y	8"	VP	-	-	3.37	
	EX. SAS #6042-010	21+32.37	6.99' RT	SAS #6	21+26.15	38.40' RT	32	N	6"	VP	-	-	-	
	EX. SAS #6042-010	21+32.37	6.99' RT	EX. SAS #6042-020	23+87.15	1.75' RT	255	Y	6"	VP	-	-	1.85	
	EX. SAS #6042-020	23+87.15	1.75' RT	EX. SAS #6042-033	24+02.87	14.72' LT	23	N	8"	PVC	-	-	-	
	SAS#16	23+80.37	15.12' RT	EX. SAS #6042-020	23+87.15	1.75' RT	15	N	8"	PVC	-	-	-	
	-	111+06.00	5.00' RT	-	111+61.00	7.00' RT	55	Y	6"	UNKNOWN	55	2	-	EXISTING ABANDONED 6" FORCEMAIN
	-	112+00.00	7.00' RT	-	112+55.00	7.00' RT	55	Y	6"	UNKNOWN	55	2	-	EXISTING ABANDONED 6" FORCEMAIN
	EX. SAS #6243-020	46+19.42	61.02' LT	EX. PARKS MANHOLE	46+58.78	59.84' RT	127	N	6"	CI	-	-	-	
	-	46+55.00	58.00' RT	-	-	-	-	-	UNKNOWN	UNKNOWN	-	1	-	INACTIVE PIPE INTO EX. PARKS MANHOLE
	EX. SAS #6243-014	50+10.57	26.23' LT	EX. SAS #6244-007	51+37.24	26.60' LT	128	Y	8"	VP	-	-	1.65	
	EX. SAS #6244-007	51+37.24	26.60' LT	SAS #9	51.37+25	91.0' LT	65	Y	8"	VP	65	-	-	
	EX. SAS #6244-006	51+48.85	26.56' LT	EX. SAS #6244-005	53+10.85	25.87' LT	162	Y	8"	VP	-	-	2.09	
	EX. SAS #6244-005	53+10.85	25.87' LT	EX. SAS #6244-004	55+41.60	27.78' LT	231	Y	8"	VP	-	-	2.99	
	EX. SAS #6244-004	55+41.60	27.78' LT	SAS #15	55+40.50	186.83' LT	160	Y	8"	VP	-	-	2.07	
	EX. SAS #6244-004	55+41.60	27.78' LT	EX. SAS #6244-003	57+92.70	25.04' LT	251	Y	8"	VP	-	-	3.25	
	EX. SAS #6244-003	57+92.70	25.04' LT	EX. SAS #6244-008	60+25.97	24.59' LT	236	Y	8"	VP	-	-	3.05	
	EX. SAS #6244-008	60+25.97	24.59' LT	EX. SAS #6344-018	61+41.84	26.32' LT	118	Y	8"	VP	-	-	1.53	
	EX. SAS #6344-018	61+41.84	26.32' LT	EX. SAS #6345-015	62+67.89	25.42' LT	129	Y	8"	VP	-	-	1.67	
	EX. SAS #6345-015	62+67.89	25.42' LT	EX. SAS #6345-016	64+58.98	17.89' LT	191	Y	8"	VP	-	-	2.47	
										PROJECT TOTALS	**216**	**5**	**28.49**	

ALL SANITARY SEWER PIPE REMOVALS CALLED OUT ABOVE THAT ARE NOT CALLED OUT FOR PAYMENT (LOCATED WITHIN 3' OF THE PROPOSED SEWER) ARE CONSIDERED

CITY OF MADISON SANITARY SEWER ACCESS STRUCTURES

CATEGORY	STRUCTURE NUMBER	STATION	LOCATION	TOP OF CASTING	EXISTING TOP OF CASTING	INVERT ELEVATION	DEPTH	(611.8110) ADJUSTING MANHOLE COVERS EACH	(SPV.0060.59) SANITARY SEWER ACCESS STRUCTURE, 4-FOOT DIAMETER EACH	(SPV.0060.60) SANITARY SEWER ACCESS STRUCTURE. 5-FOOT DIAMETER EACH	(SPV.0060.61) SANITARY SEWER TAP EACH	(SPV.0060.63) SANITARY SEWER INTERNAL CHIMNEY SEAL EACH	(SPV.0060.64) EXTERNAL SEWER ACCESS STRUCTURE JOINT SEAL EACH	* (611.0535) MANHOLE COVERS TYPE J-SPECIAL EACH	(SPV.0200.01) CONSTRUCT INSIDE DROP, 6-INCH VF	(SPV.0200.02) CONSTRUCT INSIDE DROP, 8-INCH VF	(SPV.0060.68) RECONSTRUCT BENCH AND FLOWLINES, SANITARY SEWER EACH
0010	EX. SAS 6042-041	14+35.96	6.00' LT	885.13	885.02	874.97	10.16	1	-	-	-	-	-	-	-	-	-
	SAS#16	23+80.37	15.12' RT	858.82		850.34	8.48	-	-	1	1		-	1	-	2.67	-
	SAS #1	23+92.35	8.51' LT	857.72	-	844.00	13.72	-	-	1	1	1	1	1	-	9.34	-
	SAS #2	21+38.57	7.56' LT	864.14	-	855.40	8.74	-	1	-	-	-	-	1	-	-	-
	SAS #3	18+90.17	2.70' LT	868.24	-	859.40	8.84	-	1	-	-	-	-	1	-	-	-
	SAS #4	15+20.68	6.12' LT	883.64	-	876.00	7.64	-	-	1	2	-	-	1	-	1.48	-
	EX. SAS #6042-033	24+02.87	14.72' LT	857.28	857.46	843.55	13.73	1	-	-	1	1	-	-	-	-	1
	EX. SAS #6042-030	25+63.73	14.97' LT	852.74	853.05	844.07	8.67	1	-	-	-	-	-	-	-	-	-
	SAS #5	18+92.30	46.00' RT	868.44	-	860.44	8.00	-	-	1	1	-	-	1	1.51	-	-
	SAS #6	21+26.15	38.40' RT	866.23	-	857.75	8.48	-	1	-	1	-	-	1	-	-	-
	SAS #7	46+58.78	59.84' RT	851.51	-	841.40	10.11	-	1	-	2	-	1	1	4.01	-	-
	EX. SAS #6243-020	46+19.42	61.02' LT	850.95	851.06	840.32	10.63	1	-	-	1	-	-	-	-	-	1
	SAS #9	51+37.25	91.0' LT	852.94	-	844.64	8.30	-	1	-	-	-	1	1	-	-	-
	SAS #10	51+48.85	16.50' LT	854.06	-	844.98	9.08	-	1	-	-	-	1	1	-	-	-
	SAS #11	55+40.50	16.50' LT	856.93	-	847.33	9.60	-	1	-	-	-	-	1	-	-	-
	SAS #12	59+75.00	11.00' LT	860.80	-	851.60	9.20	-	1	-	-	-	-	1	-	-	-
	SAS #13	61+52.00	16.50' LT	863.10	-	853.40	9.70	-	1	-	-	-	-	1	-	-	-
	SAS #14	64+58.00	6.00' LT	865.15	-	856.00	9.15	-	1	-	1	-	-	1	-	-	-
	SAS #15	55+40.50	186.83' LT	MATCH PATCH	-	846.80	-	-	1	-	1	-	-	1	-	-	-
	EX. SAS #6043-007	99+50.15	69.74' LT	853.12	852.83	846.38	6.74	1	-	-	-	-	-	-	-	-	-
					PROJECT TOTALS			**5**	**11**	**4**	**12**	**2**	**4**	**15**	**5.52**	**13.49**	**2**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

CITY OF MADISON SANITARY SEWER PIPE

CATEGORY	LOCATION (DOWNSTREAM)	LOCATION (UPSTREAM)	INVERT ELEVATION (DOWNSTREAM)	INVERT ELEVATION (UPSTREAM)	PIPE SLOPE	(SPV.0090.21) SANITARY SEWER PIPE PVC, 8-INCH LF	* (SPV.0090.24) SELECT FILL FOR SANITARY SEWER LF	(SPV.0060.69) INSTALL COMPRESSION COUPLING EACH	* (SPV.0060.09) CONCRETE PIPE SUPPORT EACH
0010	SAS#4	REMOVED 6042-012	877.81	877.86	0.45%	12	12	1	-
	SAS #3	SAS #4	859.50	876.00	4.52%	365	365	-	-
	SAS #2	SAS #3	855.50	859.40	1.57%	248	248	-	-
	SAS #1	SAS #2	849.00	855.40	2.47%	259	259	-	-
	EX. SAS #6042-033	SAS #1	843.56	844.00	3.67%	12	12	-	-
	SAS #4	REMOVED 6042-020	852.04	852.64	4.98%	12	12	1	-
	SAS#1	SAS#16	849.00	850.34	4.97%	27	27	-	
	SAS #10	SAS #11	845.08	847.33	0.57%	392	392	-	-
	SAS #11	SAS #12	847.43	851.60	0.96%	435	435	-	-
	SAS #12	SAS #13	851.70	853.40	0.95%	179	179	-	-
	SAS #13	SAS #14	853.50	856.00	0.81%	307	307	-	-
	SAS #3	SAS #5	859.50	860.44	1.92%	49	49	-	-
	SAS #2	SAS #6	855.50	857.75	4.69%	48	48	-	-
	EX. SAS #6243-020	SAS #7	840.42	841.40	0.77%	127	127	-	1
	51+48.85, 26.56' LT	SAS #10	844.95	844.98	0.28%	12	12	1	-
				PROJECT TOTALS		**2,484**	**2,484**	**3**	**1**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

CITY OF MADISON SANITARY SEWER LATERALS

CATEGORY	STATION	OFFSET AT MAIN CONNECTION	(SPV.0090.22) SANITARY SEWER LATERAL LF	* (SPV.0090.24) SELECT FILL FOR SANITARY SEWER LF	(SPV.0060.65) SANITARY LATERAL RECONNECT EACH	* (SPV.0060.62) SEWER ELECTRONIC MARKERS EACH
0010	15+25.02	6.1' LT	25	25	1	1
	15+59.50	6.20' LT	25	25	1	2
	15+88	6.20' LT	32	32	1	3
	16+05.1	6.30' LT	32	32	1	2
	16+38.66	6.39' LT	26	26	1	2
	16+61.1	6.44' LT	32	32	1	2
	16+69	6.44' LT	27	27	1	3
	17+01.11	6.24, LT	32	32	1	2
	17+03.77	6.21', LT	25	25	1	2
	17+37.19	5.51' LT	32	32	1	2
	17+62.40	4.69' LT	25	25	1	2
	17+86.24	3.68' LT	32	32	1	2
	17+98.41	3.08' LT	25	25	1	2
	18+35.12	1.92' LT	32	32	1	2
	18+42.70	1.85' LT	24	24	1	2
	18+91.9	36.94' RT	26	26	1	2
	18+92.1	41.12' RT	21	21	1	2
	19+27.03	4.94' LT	24	24	1	2
	19+65.2	7.02' LT	24	24	1	2
	19+89.91	7.22' LT	24	24	1	2
	20+20.97	7.28' LT	32	32	1	2
	20+31.6	7.31' LT	24	24	1	2
	20+74.17	7.31' LT	27	27	1	3
	20+82.1	7.43' LT	32	32	1	2
	21+02.1	7.47' LT	24	24	1	2
	21+49.1	7.58' LT	23	23	1	2
	21+88.34	7.67' LT	23	23	1	2
	22+00.3	7.70' LT	27	27	1	2
	22+30.6	7.77' LT	24	24	1	2
	22+60.4	7.84' LT	19	19	1	2
	22+97.13	7.92' LT	23	23	1	2
	23+13.92	7.96' LT	33	33	1	2
	23+63	8.05' LT	29	29	1	3
	25+64	15' LT	22	22	1	1
	51+80.3	16.5' LT	19	19	1	2
	52+16.0	16.5' LT	19	19	1	2
	52+57.4	16.5' LT	10	10	1	2
	53+29.4	16.5' LT	19	19	1	2
	53+62.2	16.5' LT	19	19	1	2
	53+96.3	16.5' LT	20	20	1	2
	54+33.2	16.5' LT	19	19	1	2
	54+88.5	16.5' LT	19	19	1	2
	56+24.3	15.3' LT	20	20	1	2
	56+69.4	14.6' LT	21	21	1	2
	57+19.6	13.6' LT	22	22	1	2
	57+95.7	11.2' LT	23	23	1	2
	58+46.1	10.0' LT	24	24	1	2
	59+31.1	9.4' LT	24	24	1	2
	59+78.5	10.9' LT	23	23	1	2
	60+13.4	10.0' LT	24	24	1	2
	60+77.9	11.0' LT	23	23	1	2
	62+07.6	12.5' LT	22	22	1	2
	62+43.9	11.4' LT	23	23	1	2
	62+95.6	10.9' LT	23	23	1	2
	63+42.0	9.4' LT	23	23	1	2
	64+00.7	7.4' LT	23	23	1	2
	64+58.0	6.0' LT	22	22	1	1
PROJECT TOTALS			**1,391**	**1,391**	**57**	**115**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

CITY OF MADISON MISCELLANEOUS SANITARY SEWER ITEMS

CATEGORY	STATION	LOCATION	(SPV.0060.91) WASTEWATER CONTROL 150 GPM EACH	(SPV.0060.93) CONSTRUCTION STAKING SANITARY SEWER EACH	* (611.8120.S) COVER PLATES TEMPORARY EACH
0010	UNDISTRIBUTED		1	1	5
	PROJECT TOTALS		**1**	**1**	**5**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

CITY OF MADISON SANITARY SEWER TRENCH PATCH

CATEGORY	FROM STATION	LOCATION	TO STATION	LOCATION	* (SPV.0090.25) UTILITY TRENCH PATCH TYPE III LF	NOTE
0010	55+45	173' LT	55+60	193' LT	20	MARGARET STREET
	51+36	64' LT	51+36	96' LT	32	DENNETT DRIVE
			PROJECT TOTAL		**52**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

UTILITY LINE OPENING (ULO)

CATEGORY	STATION	LOCATION	* (SPV.0060.11) UTILITY LINE OPENING (ULO) EACH	NOTES
0010	21+26	39' RT	1	LOCATE EXISTING SANITARY SEWER
	55+59	187' LT	1	LOCATE EXISTING SANITARY SEWER
	UNDISTRIBUTED		2	
	PROJECT TOTAL		**4**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

EXISTING WATER MAIN ITEMS

CATEGORY	STATION	LOCATION	(SPV.0060.70) CUT OFF EXISTING WATER MAIN EACH	(SPV.0060.71) CUT-IN OR CONNECT-TO EXISTING WATER SYSTEM EACH	(SPV.0060.72) ABANDON WATER VALVE BOX EACH	(SPV.0060.73) ABANDON WATER VALVE ACCESS STRUCTURE EACH	(611.8110)* ADJUSTING MANHOLE COVERS EACH	(SPV.0060.75) ADJUST WATER VALVE BOX SECTION EACH	(SPV.0060.84) ADJUST CURB BOX EACH
0020	14+06.8	17.8' LT	-	-	-	-	-	1	-
	14+56.5	0.4' LT	-	-	-	-	-	1	-
	15+09.80	30.9' LT	-	-	-	-	-	1	1
	15+19.25	0.98' RT	-	1	-	-	-	-	-
	15+28.20	37.35' RT	-	-	-	-	-	1	-
	15+35.06	33.71' RT	-	1	-	-	-	-	-
	15+38.31	34.28' RT	1	-	-	-	-	-	-
	15+43.90	30.67' RT	-	-	1	-	-	-	-
	15+54.06	1.72' RT	-	-	-	1	-	-	-
	15+54.98	26.83' LT	-	-	-	-	-	-	1
	16+04.38	16.64' RT	-	-	-	-	-	-	1
	16+59.30	16.56' RT	-	-	-	-	-	-	1
	16+99.19	17.62' RT	-	-	-	-	-	-	1
	17+30.30	16.34' RT	-	-	-	-	-	-	1
	17+84.19	19.47' RT	-	-	-	-	-	-	1
	18+51.3	7.2' RT	-	-	-	1	-	-	-
	18+67.1	31.3' LT	-	-	-	1	-	-	-
	18+79.28	50.30' LT	-	1	-	-	-	-	-
	18+70.20	47.90' RT	-	-	-	-	-	-	1
	18+70.95	4.46' LT	1	-	-	-	-	-	-
	18+71.26	7.25' RT	1	-	-	-	-	-	-
	18+72.9	51.2' LT	1	-	1	-	-	-	-
	18+73.9	31.1' RT	-	-	-	1	-	-	-
	18+76.49	50.70' LT	1	-	-	-	-	-	-
	18+81.43	5.61' RT	-	1	-	-	-	-	-
	18+79.28	50.30' LT	-	1	-	-	-	-	-
	18+76.30	35.10' RT	-	1	-	-	-	-	-
	18+91.2	56.2' RT	-	-	-	-	-	1	-
	20+18.64	15.70' RT	-	-	-	-	-	-	1
	20+70.11	17.26' RT	-	-	-	-	-	-	1
	21+11.52	0.54' RT	-	1	-	-	-	-	-
	21+05.40	0.52' RT	1	-	-	-	-	-	-
	21+05.10	13.6' RT	-	-	1	-	-	-	-
	21+20.04	28.36' RT	-	-	-	1	-	-	-
	21+25.67	0.47' RT	-	1	-	-	-	-	-
	21+50.04	0.52' RT	-	-	-	1	-	-	-
	22+00.00	17.22' RT	-	-	-	-	-	-	1
	23+13.40	18.40' RT	-	-	-	-	-	-	1
	23+53.88	16.30' RT	-	-	1	-	-	-	-
	23+69.16	0.22' RT	-	1	-	-	-	-	-
	23.83.60	35.68' RT	-	-	-	-	-	1	-
	23+86.51	37.04' RT	-	1	-	-	-	-	-
	23+96.2	37.3' LT	-	-	-	1	-	-	-
	23+97.29	53.31' LT	-	1	-	-	-	-	-
	24+17.17	0.83' LT	1	1	-	-	-	-	-
	24+12.42	0.12' LT	-	-	-	1	-	-	-
	24+40.68	1.17 LT	-	1	-	-	-	-	-
	27+27.55	2.35' RT	-	1	-	-	-	-	-
	27+73.18	5.23' RT	-	1	-	-	-	-	-
	27+62.2	6.05' RT	1	-	-	-	-	-	-
	27+62.2	6.05' RT	-	-	-	1	-	-	-
	28+51.45	5.37' RT	-	-	-	-	-	1	-
	28+34.79	36.55' RT	-	-	-	-	-	-	1
	32+88.8	44.2' LT	-	-	-	-	1	-	-
	33+24.28	23.13' LT	-	1	-	-	-	-	-
	34+00	34.67' LT	-	-	-	-	-	1	-
	34+75.00	29.66' LT	-	1	-	-	-	-	-
	38+89.0	33.3' LT	-	-	-	-	-	1	-
	38+95.6	27.4' LT	-	-	-	-	-	1	-
	45+51.89	28.90' LT	-	-	-	-	-	1	-
	45+56.54	24.46 LT	-	1	-	-	-	-	-

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

CONTINUED ON NEXT SHEET

EXISTING WATER MAIN ITEMS (CONT.)

CATEGORY	STATION	LOCATION	(SPV.0060.70) CUT OFF EXISTING WATER MAIN EACH	(SPV.0060.71) CUT-IN OR CONNECT-TO EXISTING WATER SYSTEM EACH	(SPV.0060.72) ABANDON WATER VALVE BOX EACH	(SPV.0060.73) ABANDON WATER VALVE ACCESS STRUCTURE EACH	* (611.8110) ADJUSTING MANHOLE COVERS EACH	(SPV.0060.75) ADJUST WATER VALVE BOX SECTION EACH	(SPV.0060.84) ADJUST CURB BOX EACH
0020	46+46.0	61.4' RT	-	-	1	-	-	-	-
	46+48.5	61.8' RT	-	-	1	-	-	-	-
	46+54.76	63.31' RT	-	-	-	-	-	-	1
	46+55.29	20.83' LT	-	1	-	-	-	-	-
	51+17.32	32.26' LT	-	1	-	-	-	-	-
	51+29.8	39.9' LT	-	-	-	-	-	1	-
	51+64.6	32.2' LT	-	1	-	-	-	1	-
	51+67.0	34.9' LT	-	-	-	-	-	1	-
	55+47.0	38.8' LT	-	-	-	-	-	1	-
	55+69.1	33.2' LT	-	-	-	-	-	1	-
	55+73.5	37.9' LT	-	-	-	-	-	1	-
	56+23.33	33.8' LT	-	-	-	-	-	-	1
	57+78.50	39.32' LT	-	-	-	-	-	-	1
	58+44.14	32.22' LT	-	-	-	-	-	-	1
	58+49.17	29.89' RT	-	-	-	-	-	1	-
	59+31.28	33.26 LT	-	-	-	-	-	-	1
	61+45.9	39.9' LT	-	-	-	-	-	1	-
	61+69.0	31.9' LT	-	-	-	-	-	1	-
	61+71.9	37.9' LT	-	-	-	-	-	1	-
	62+37.1	30.4' LT	-	-	-	-	-	-	1
	63+04.02	21.44' LT	-	-	-	-	-	-	1
	64+93.1	24.6' LT	-	-	-	-	-	1	-
	64+76.17	24.69' RT	-	-	-	-	-	-	1
	65+27.79	25.78' LT	-	-	-	-	-	-	1
	65+38.99	21.16' LT	-	-	-	-	-	1	-
	66+56.35	28.08' LT	-	-	-	-	-	-	1
	68+62.30	19.94' LT	-	-	-	-	-	-	1
	69+95.50	21.58' LT	-	1	-	-	-	-	-
	70+33.61	21.09' LT	-	1	-	-	-	-	-
PROJECT TOTALS			**8**	**23**	**6**	**9**	**1**	**23**	**24**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

FURNISH & INSTALL WATER VALVES

CATEGORY	STATION	LOCATION	(SPV.0060.76) FURNISH & INSTALL 6-INCH VALVE EACH	(SPV.0060.77) FURNISH & INSTALL 8-INCH VALVE EACH	(SPV.0060.78) FURNISH & INSTALL 10-INCH VALVE EACH
0020	15+19.25	3.03' RT	-	1	-
	18+81.29	2.26' LT	-	1	-
	18+81.57	9.04' RT	-	1	-
	18+79.28	50.30' LT	-	1	-
	21+25.25	3.9' RT	1	-	-
	21+11.45	9.55' LT	1	-	-
	23+69.16	0.22' RT	-	-	1
	23+97.29	53.31' LT	1	-	-
	24+17.17	0.83' LT	-	-	1
	24+40.44	4.27' LT	1	-	-
	27+73.18	5.23' RT	-	-	1
	33+24.28	23.13' LT	-	-	1
	34+75.00	29.66' LT	1	-	-
	45+56.54	24.46' LT	-	-	1
	46+55.29	20.83' LT	-	-	1
	51+17.32	32.26' LT	-	-	1
PROJECT TOTALS			**5**	**4**	**7**

RELOCATE WATER SERVICE

CATEGORY	STATION	LOCATION	SIZE	(SPV.0060.80) RELOCATE WATER SERVICE EACH
0020	15+92	LT	1-INCH	1
	16+34	LT	3/4-INCH	1
	16+70	LT	3/4-INCH	1
	16+99	LT	3/4-INCH	1
	17+59	LT	3/4-INCH	1
	17+94	LT	3/4-INCH	1
	18+35	LT	3/4-INCH	1
	19+27	LT	3/4-INCH	1
	19+66	LT	3/4-INCH	1
	19+91	LT	3/4-INCH	1
	20+67	LT	3/4-INCH	1
	21+01	LT	3/4-INCH	1
	21+47	LT	3/4-INCH	1
	21+97	LT	3/4-INCH	1
	22+29	LT	3/4-INCH	1
	22+65	LT	3/4-INCH	1
	22+95	LT	3/4-INCH	1
	23+51	LT	3/4-INCH	1
	58+49	RT	2-INCH	1
PROJECT TOTAL				**19**

DRINKING FOUNTAIN

CATEGORY	STATION	LOCATION	(SPV.0060.81) REMOVE AND SALVAGE DRINKING FOUNTAIN EACH	(SPV.0060.82) DRINKING FOUNTAIN EACH
0020	46+46.0	61.4' RT	1	-
	46+93.00	66.00' RT	-	1
PROJECT TOTALS			**1**	**1**

UTILITY LINE OPENING (ULO)

CATEGORY	STATION	LOCATION	* (SPV.0060.11) UTILITY LINE OPENING (ULO) EACH
0020	15+36	35' RT	1
	21+16	40' RT	1
	UNDISTRIBUTED		3
PROJECT TOTAL			**5**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

INSULATION BOARD POLYSTYRENE, 2-INCH

CATEGORY	STATION	LOCATION	(612.0902.S) INSULATION BOARD POLYSTYRENE, 2-INCH SY
0020	15+43	RT	3.56
	15+81	RT	3.56
	15+92	LT	3.56
	16+34	LT	3.56
	16+70	LT	3.56
	16+99	LT	3.56
	17+34	RT	3.56
	17+34	LT	3.56
	17+59	LT	3.56
	17+94	LT	3.56
	18+32	RT	3.56
	18+35	LT	3.56
	18+69	RT	3.56
	18+74	RT	3.56
	18+80	LT	3.56
	19+21	RT	3.56
	19+27	LT	3.56
	19+66	LT	3.56
	19+91	LT	3.56
	20+67	LT	3.56
	20+93	RT	3.56
	21+01	LT	3.56
	21+05	LT	3.56
	21+19	RT	3.56
	21+47	LT	3.56
	21+97	LT	3.56
	22+29	LT	3.56
	22+40	RT	3.56
	22+65	LT	3.56
	22+95	LT	3.56
	23+40	ONLINE	3.56
	23+51	LT	3.56
	23+82	RT	3.56
	24+05	ONLINE	125.00
	27+47	LT	3.56
	46+10	LT	132.00
	46+56	RT	3.56
	47+36	LT	3.56
	51+43	LT	528.00
	58+49	RT	3.56
	PROJECT TOTAL		**916.56**

FURNISH AND INSTALL WATER MAIN PIPES & FITTINGS

CATEGORY	STATION	TO STATION	LOCATION	(SPV.0090.27) FURNISH & INSTALL 6-INCH PIPE & FITTINGS LF	(SPV.0090.28) FURNISH & INSTALL 8-INCH PIPE & FITTINGS LF	(SPV.0090.29) FURNISH & INSTALL 10-INCH PIPE & FITTINGS LF	(SPV.0090.30) FURNISH & INSTALL 12-INCH PIPE & FITTINGS LF
0020	15+19.30	15+35.06	RT	-	37	-	-
	18+77.42	18+79.28	LT & RT	-	98	-	-
	21+04.10	-	LT	25	-	-	-
	21+24.87	-	RT	6	-	-	-
	23+68.92	23+97.29	LT & RT	-	67	82	-
	24+40.44	-	LT	25	-	-	-
	27+27.55	27+68.90	RT & LT	-	-	49	-
	32+88.75	33+37.36	LT	-	-	54	-
	34+75.00	-	LT	18	-	-	-
	45+56.54	46+55.29	LT	-	-	95	-
	51+17.32	51+64.51	LT	-	-	47	-
	UNDISTRIBUTED FOR ADJUSTMENTS			50	50	50	50
	PROJECT TOTALS			**124**	**252**	**377**	**50**

HYDRANTS

CATEGORY	STATION	LOCATION	(SPV.0060.74) REMOVE AND SALVAGE EXISTING HYDRANT EACH	(SPV.0060.79) FURNISH AND INSTALL HYDRANT EACH	(SPV.0060.85) RELOCATE HYDRANT EACH
0020	20+98.90	17.0' RT	1	-	-
	21+11.50	24.98' LT	-	1	-
	23+53.88	16.31' RT	1	-	-
	24+40.44	25.83' LT	-	1	-
	26+86.70	27.0' RT	1	-	-
	34+75.00	44.00 LT	-	1	-
	45+51.90	39.5' LT	-	-	1
	PROJECT TOTALS		**3**	**3**	**1**

CONSTRUCTION STAKING WATER MAIN

CATEGORY	DESCRIPTION	(SPV.0060.94) CONSTRUCTION STAKING WATER MAIN EACH
0020	PROJECT 5992-10-18	1
	PROJECT TOTAL	**1**

CITY OF MONONA SANITARY SEWER LINING

CATEGORY	LOCATION (DOWNSTREAM)	LOCATION (UPSTREAM)	INVERT ELEVATION (DOWNSTREAM)	INVERT ELEVATION (UPSTREAM)	PIPE SLOPE	(SPV.0090.26) SANITARY SEWER LINING LF
0030	Z6	Z7	856.89	857.16	0.23%	117
	Z5	Z6	856.44	856.84	0.21%	189
	Z4	Z5	855.30	856.38	0.27%	399
				PROJECT TOTAL		**705**

CITY OF MONONA ADJUSTING SANITARY SEWER MANHOLE

CATEGORY	STRUCTURE NUMBER	STATION	LOCATION	TOP OF CASTING	EXISTING TOP OF CASTING	INVERT ELEVATION	DEPTH	(SPV.0060.66) ADJUSTING SANITARY SEWER MANHOLE, MONONA EACH	NOTES
0030	Z7	61+02.42	13.81' RT	861.98	862.01	857.16	4.82	1	SPIN GROUT, NEW CASTING & LID
	Z6	62+20.64	13.69' RT	863.73	863.44	856.84	6.89	1	SPIN GROUT, NEW CASTING & LID
	Z5	64+09.25	18.73' RT	864.64	864.49	856.38	8.26	1	TUCK POINT, SPIN GROUT, NEW CASTING & LID
						PROJECT TOTAL		**3**	

UTILITY LINE OPENING (ULO) (MMSD FORCE MAIN)

CATEGORY	STATION	LOCATION	* (SPV.0060.11) UTILITY LINE OPENING (ULO) EACH	NOTES
0040	46+44	53' RT	1	LOCATE EXISTING MMSD FORCE MAIN
	54+98	38' RT	1	LOCATE EXISTING MMSD FORCE MAIN
	55+65	17' RT	1	LOCATE EXISTING MMSD FORCE MAIN
	60+75	15' RT	1	LOCATE EXISTING MMSD FORCE MAIN
	62+50	14' RT	1	LOCATE EXISTING MMSD FORCE MAIN
	67+75	16' RT	1	LOCATE EXISTING MMSD FORCE MAIN
	UNDISTRIBUTED		4	LOCATE EXISTING MMSD FORCE MAIN
	PROJECT TOTAL		**10**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
5992-10-16
CITY OF MADISON, ATWOOD AVENUE
(FAIR OAKS AVENUE TO COTTAGE GROVE ROAD)
LOCAL STREET
DANE COUNTY

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING — TO BE REMOVED
BRIDGE

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED)

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE	■	□
TELEPHONE POLE	◢	⌀
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	⧓	⧒

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)

PARCEL NUMBER (25)
UTILITY NUMBER (40)
PARALLEL OFFSETS

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR
ACRES	AC
AHEAD	AH
ALUMINUM	ALUM
AND OTHERS	ET AL
BACK	BK
BLOCK	BLK
CENTERLINE	C/L
CERTIFIED SURVEY MAP	CSM
CONCRETE	CONC
COUNTY	CO
COUNTY TRUNK HIGHWAY	CTH
DISTANCE	DIST
CORNER	COR
DOCUMENT NUMBER	DOC
EASEMENT	EASE
EXISTING	EX
GAS VALVE	GV
GRID NORTH	GN
HIGHWAY EASEMENT	HE
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
POINT OF COMPOUND CURVE	PCC
POINT OF INTERSECTION	PI
PROPERTY LINE	PL
RECORDED AS	(100')
REEL / IMAGE	R/I
REFERENCE LINE	R/L
REMAINING	REM
RESTICTIVE DEVELOPMENT EASEMENT	RDE
RIGHT	RT
RIGHT OF WAY	R/W
SECTION	SEC
SEPTIC VENT	SEPV
SQUARE FEET	SF
STATE TRUNK HIGHWAY	STH
STATION	STA
TELEPHONE PEDESTAL	TP
TEMPORARY LIMITED EASEMENT	TLE
TRANSPORTATION PROJECT PLAT	TPP
UNITED STATES HIGHWAY	USH
VOLUME	V

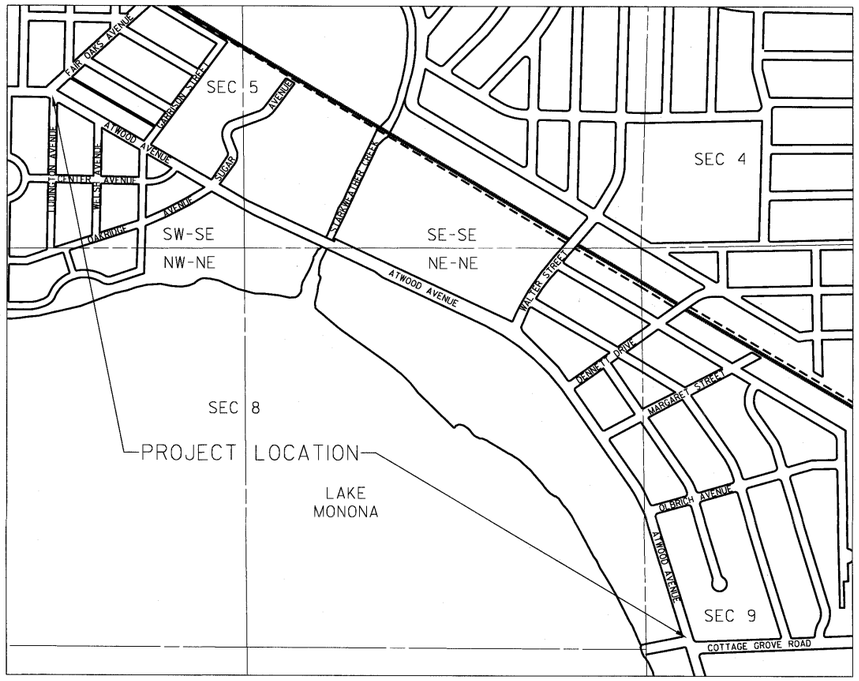
CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

W — WATER
G — GAS
T — TELEPHONE
OH — OVERHEAD TRANSMISSION LINES
E — ELECTRIC
TV — CABLE TELEVISION
FO — FIBER OPTIC
SAN — SANITARY SEWER
SS — STORM SEWER

R-10-E



T-7-N

GN

LAYOUT
SCALE 0 500

THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 5992-10-16

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83(2007), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" LONG IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE 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.

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.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) 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 (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) 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 MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS 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.

A HIGHWAY EASEMENT (HE) IS 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.

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, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE CITY OF MADISON

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

ATWOOD AVENUE: PREVIOUS STATE PROJECT 1220, PREVIOUS DANE COUNTY PROJECT 1700, PREVIOUS PROJECT 5994-00-00-2, THIRD ADDITION TO FAIR OAKS, ELMSIDE ADDITION TO MADISON, REPLAT OF BLOCK 1 ELMSIDE, PLAT OF GARDEN RIDGE, FIFTH ADDITION TO FAIR OAKS, WALTERSCHEIT PLAT AND OLBRICH PARK ADDITION.

LUDINGTON AVENUE AND WELSH AVENUE: ELMSIDE ADDITION TO MADISON AND REPLAT OF BLOCK 1 ELMSIDE
CENTER AVENUE AND OAKRIDGE AVENUE: PLAT OF GARDEN RIDGE
WALTER STREET: WALTERSCHEIT PLAT AND CSM #12783
SARGENT STREET AND JOHNS STREET: WALTERSCHEIT PLAT
DENNETT STREET AND MARGARET STREET: WALTERSCHEIT PLAT
OLBRICH AVENUE: OLBRICH PARK ADDITION

PROJECT NUMBER 5992-10-16 - 4.01
SHEET 2 OF 2
AMENDMENT NO:

FILE NAME : P:\370S\373\00373071\CADD\RW\TPP_ATWOOD AVENUE.DWG
LAYOUT NAME: TITLE

PLOT DATE : March 26, 2019 PLOT BY : BRAD TISDALE PLOT NAME : _____ APPRAISAL PLAT DATE : 03/28/20

TRANSPORTATION PROJECT PLAT NO: 5992-10-16 - 4.01

PART OF LOT 1 AND LOT 6, REPLAT OF BLOCK 1 ELMSIDE, LOCATED IN SE 1/4 OF THE SW 1/4, SECTION 5, T7N, R10E, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

RELOCATION ORDER ATWOOD AVENUE (FAIR OAKS AVENUE TO COTTAGE GROVE ROAD), DANE COUNTY, WISCONSIN.

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.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: ATWOOD AVENUE - THIRD ADDITION TO FAIR OAKS, ELMSIDE ADDITION TO MADISON AND REPLAT OF BLOCK 1 ELMSIDE. LUDINGTON AVENUE AND WELSH AVENUE - ELMSIDE ADDITION TO MADISON AND REPLAT OF BLOCK 1 ELMSIDE.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET OF TRANSPORTATION PROJECT PLAT 5992-10-16 - 4.01, RECORDED AS SHEET 2 OF 2 OF THIS DOCUMENT.

APPROVED FOR THE CITY OF MADISON BY ENACTMENT NO. RES-19-00216, FILE NO. 54879, ADOPTED 03/19/2019

RELOCATION ORDER APPROVED BY THE COMMON COUNCIL

DATE: 3/19/2019 Maribeth Witzel-Behl CITY CLERK

RELOCATION ORDER APPROVED BY THE PLANNING COMMISSION

DATE: 3/11/19 ____ FOR EXECUTIVE SECRETARY

RELOCATION ORDER APPROVED BY THE BOARD OF PUBLIC WORKS

DATE: 3/6/19 ____ FOR EXECUTIVE SECRETARY

MSA
TRANSPORTATION • MUNICIPAL DEVELOPMENT • ENVIRONMENTAL
1702 Pankratz St, Madison, WI 53704
608-242-7779 1-800-446-0679
Web Address: www.msa-ps.com

© MSA Professional Services, Inc

I, BRADLEY L TISDALE, 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 THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN BRADLEY L. TISDALE S-2824 WAUNAKEE WI LAND SURVEYOR

SIGNATURE: Bradley L Tisdale DATE: 03/28/2019
PRINT NAME: BRADLEY L TISDALE
REGISTRATION NUMBER: S-2824

LOCATION MAP
NOT TO SCALE
T-7-N
R-10-E
SEC 5
SEC 4
SEC 8
SEC 9
LAKE MONONA
SHEET LOCATION
PROJECT LOCATION

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 INTERESTS TO THE CITY OF MADISON.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	HE ACRES	PLE ACRES	TLE SQ FT
1	DAVID J. BLOOM AND RAINA M. BLOOM	TLE	--	--	--	--	--	108
2	MICHAEL G. THEISEN AND DAWN M. THEISEN	TLE	--	--	--	--	--	467

RW POINT	STATION	OFFSET	NORTHING	EASTING
100	11+85.58	36.38' L	489,829.486	832,752.932
101	18+47.75	30.95' L	489,496.599	833,327.509
102	18+96.59	32.23' L	489,471.510	833,371.210
103	19+12.86	33.00' R	489,408.016	833,349.131
104	18+67.88	58.67' R	489,409.305	833,299.148
105	18+54.04	35.05' R	489,436.349	833,299.846
106	15+68.72	30.00' R	489,579.279	833,053.143
107	15+83.09	56.33' R	489,549.289	833,052.370
108	15+39.19	80.28' R	489,550.578	833,002.386
109	15+11.77	30.00' R	489,607.830	833,003.863
110	12+27.55	30.00' R	489,750.308	832,757.941

TLE POINT	STATION	OFFSET
T100	15+78.08	47.28' R
T101	15+83.35	44.42' R
T102	15+75.54	30.00' R
T103	18+12.61	34.35' R
T104	18+12.21	44.34' R
T105	18+52.63	45.05' R
T106	18+56.82	52.30' R
T107	18+62.35	49.38' R

POINT	NORTHING	EASTING	EXISTING MONUMENT
3174	489,787.242	832,690.825	CHISLED "X"
3553	489,704.899	832,706.786	3/4" IR
3554	489,664.907	832,705.783	3/4" IR
4307	489,558.856	833,220.614	1" IP
4566	489,659.243	833,046.794	1" IP
4690	489,559.060	833,092.927	1" PINCH PIPE
4722	489,534.584	833,134.761	1" IP
4806	489,509.982	833,176.672	1 1/2" IP
19010	489,373.973	833,213.971	1" IP
19013	489,824.680	832,891.038	3/4" IP
19014	489,819.177	833,000.279	3/4" IP
19015	489,719.594	832,942.610	1" IP
19016	489,518.656	833,289.437	1" IP

LINE	BEARING	LENGTH
103-104	N88°31'20"W	50.00'
104-105	N01°28'40"E	27.05'
106-107	N01°28'40"E	30.00'
107-108	N88°31'20"W	50.00'
108-109	N01°28'40"E	57.27'

ALIGNMENT INFORMATION

PI = STA 11+47.96
Y = 489,817.236
X = 832,702.265
Δ = 28°38'41"
T = 51.06'
L = 99.99'
R = 200.00'
LC = 98.95'
LCB = S74°14'07"E
PC = 10+96.90
PT = 11+96.89

DA = S59°54'47"E

PI = STA 17+29.85
Y = 489,524.457
X = 833,207.600
Δ = 3°04'52"
T = 67.23'
L = 134.44'
R = 2500.00'
LC = 134.42'
LCB = S61°27'13"E
PC = 16+62.62
PT = 17+97.05

DA = S62°59'39"E

PI = STA 18+63.78
Y = 489,463.629
X = 833,326.951
Δ = 7°38'05"
T = 66.72'
L = 133.25'
R = 1000.00'
LC = 133.15'
LCB = S59°10'36"E
PC = 17+97.05
PT = 19+30.30

DA = S55°21'34"E

PI = STA 19+54.18
Y = 489,412.126
X = 833,401.496
Δ = 4°33'32"
T = 23.88'
L = 47.74'
R = 600.00'
LC = 47.73'
LCB = S57°38'20"E
PC = 19+30.30
PT = 19+78.04

Office of Register of Deeds
Dane County, Wisconsin
Received for Record 4-4
20 19 at 12:06 o'clock P M
and recorded in vol. 61-007A
of Plats on page 36-37
Kristi Chlebowski by Kim Stoffel-Sig, Deputy
Register
Document # 5478843

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-10-16-4.01
SHEET 1 OF 2
AMENDMENT NO:___

GN
0 25 50
SCALE, FEET

FOUND BRASS CAP
Y = 491,420.331
X = 833,980.017

FOUND BRASS CAP
Y = 488,781.441
X = 834,000.750

N89°32'59"E
624.10'

694.99'
S5 TO C5
N00°27'01"W
2636.98'

FILE NAME : P:\370S\373\00373071\CADD\RW\TPP_ATWOOD AVENUE.DWG
APPRAISAL PLAT DATE : 03/28/2019
PLOT DATE : 4/1/2019 11:08 AM
PLOT BY : BRAD TISDALE
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

TRANSPORTATION PROJECT PLAT NO: 5992-10-16 - 4.02

PART OF LOTS 1-3, BLOCK 1, GARDEN RIDGE AND PART OF LOTS 6-9, BLOCK 2, GARDEN RIDGE ALL LOCATED IN SE 1/4 OF THE SW 1/4, SECTION 5, T7N, R10E, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

RELOCATION ORDER ATWOOD AVENUE (FAIR OAKS AVENUE TO COTTAGE GROVE ROAD), DANE COUNTY, WISCONSIN.

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.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
ATWOOD AVENUE: FIFTH ADDITION TO FAIR OAKS AND PLAT OF GARDEN RIDGE.
CENTER AVENUE AND OAKRIDGE AVENUE: PLAT OF GRADEN RIDGE.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES. GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET OF TRANSPORTATION PROJECT PLAT 5992-10-16 - 4.01, RECORDED AS SHEET 2 OF 2 OF DOCUMENT NO. 5478843

Office of Register of Deeds
Dane County, Wisconsin
Received for Record April 5th
20 19 at 1:36 o'clock P M
and recorded in vol. 61-007R
of Plats on page 40
Kristi Chlebowski by J. Dickhoff Deputy
Register

Doc.# 5479064

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-10-16-4.02
AMENDMENT NO:

ALIGNMENT INFORMATION

PI = STA 18+63.78
Y = 489,463.629
X = 833,326.951
Δ = 7°38'05"
T = 66.72'
L = 133.25'
R = 1000.00'
LC = 133.15'
LCB = S59°10'36"E
PC = 17+97.05
PT = 19+30.30

PI = STA 19+54.18
Y = 489,412.126
X = 833,401.496
Δ = 4°33'32"
T = 23.88'
L = 47.74'
R = 600.00'
LC = 47.73'
LCB = S57°38'20"E
PC = 19+30.30
PT = 19+78.04

DA = S59°55'06"E

PI = STA 23+55.15
Y = 489,211.133
X = 833,748.482

DA = S59°20'27"E

PI = STA 24+58.15
Y = 489,158.614
X = 833,837.076

DA = S55°21'34"E

GN

0 25 50
SCALE, FEET

RW POINT	STATION	OFFSET	NORTHING	EASTING
102	18+96.59	32.23' L	489,471.510	833,371.210
103	19+12.86	33.00' R	489,408.016	833,349.131
200	24+28.81	36.59' L	489,205.053	833,830.497
201	24+09.44	29.59' R	489,157.993	833,780.091
202	23+76.50	93.02' R	489,120.229	833,719.410
203	23+31.72	69.20' R	489,163.003	833,693.518
204	23+34.12	64.81' R	489,165.595	833,697.791
205	23+30.51	62.86' R	489,169.094	833,695.644
206	23+43.55	38.73' R	489,183.441	833,719.025
207	22+92.50	33.06' R	489,213.929	833,677.697
208	22+69.13	33.04' R	489,225.655	833,657.485
209	22+58.87	33.04' R	489,230.806	833,648.607
210	22+58.87	30.04' R	489,233.402	833,650.111
211	21+43.07	29.96' R	489,291.513	833,549.945
212	21+35.91	61.96' R	489,267.409	833,527.707
213	20+97.58	50.53' R	489,296.517	833,500.271
214	21+02.52	29.93' R	489,311.860	833,514.873
215	22+69.96	30.05' R	489,227.837	833,659.703
216	23+52.75	30.10' R	489,186.289	833,731.318

POINT	NORTHING	EASTING	EXISTING MONUMENT
5262	489,287.671	833,346.027	3/4" IB
5263	489,337.446	833,347.311	3/4" IB
5327	489,341.383	833,595.548	1/2" IB
5328	489,361.439	833,560.937	3/4" IP
5329	489,404.086	833,487.655	1" IP
5870	489,252.060	833,425.439	1" IP
5871	489,277.223	833,477.184	1/2" IP
5872	489,247.922	833,504.129	3/4" IB
7599	489,084.160	833,554.594	3/4" IB

POINT	NORTHING	EASTING	EXISTING MONUMENT
7600	489,147.503	833,667.852	1" IP
6310	489,301.201	833,664.748	1" PINCH PIPE
6311	489,281.293	833,699.009	1/2" IP
6312	489,261.022	833,734.024	1" IP
6313	489,321.330	833,630.132	3/4" IB
19000	489,204.457	833,344.483	3/4" IB
19002	489,207.199	833,408.776	3/4" IB
26999	489,241.048	833,768.288	1" IP

LINE	BEARING	LENGTH
202-203	N31°11'15"W	50.00'
204-205	N31°32'16"W	4.10'
205-206	N58°27'56"E	27.43'
206-207	N53°35'00"W	51.36'
207-208	N59°52'47"W	23.37'
208-209	N59°52'47"W	10.26'
209-210	N30°04'55"E	3.00'
212-213	N43°18'18"W	40.00'
210-215	S59°52'47"E	11.09'
215-216	S59°52'47"E	82.79'
215-208	S45°28'09"W	3.11'

TLE POINT	STATION	OFFSET
T200	19+26.05	52.78' R
T201	19+27.81	51.69' R
T202	19+15.21	32.86' R
T203	19+72.49	29.87' R
T204	19+72.55	36.87' R
T205	20+01.17	36.86' R
T206	20+01.17	29.86' R
T207	20+97.52	29.93' R
T208	20+92.93	49.14' R
T209	21+39.50	48.47' R
T210	21+44.41	49.43' R
T211	21+48.21	29.96' R
T212	22+58.87	40.00' R
T213	23+15.11	40.00' R
T214	23+33.61	44.67' R
T215	23+23.00	64.46' R

CURVE	LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD LENGTH
201-202	71.47'	2889.90'	1°25'01"	S58°06'14"W	71.47'
203-204	5.00'	2839.90'	00°06'03"	N58°45'43"E	5.00'
211-212	32.82'	235.00'	8°00'09"	S42°41'37"W	32.80'
213-214	21.19'	195.00'	6°13'35"	N43°34'54"E	21.18'
216-204	39.40'	2839.90'	00°47'42"	N58°18'51"E	39.40'

FOUND BRASS CAP
Y = 491,420.331
X = 833,980.017

FOUND BRASS CAP
Y = 488,781.441
X = 834,000.750

LOCATION MAP
NOT TO SCALE
R-10-E
SEC 5
SEC 4
T-7-N
SEC 8
SEC 9
LAKE MONONA
PROJECT LOCATION
SHEET LOCATION

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 INTERESTS TO THE CITY OF MADISON.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQ FT REQUIRED			HE ACRES	PLE ACRES	TLE SQ FT
			NEW	EXISTING	TOTAL			
5	FRANCISCO XAVIER SUAREZ	TLE	--	--	--	--	--	108
6	LAUREN A. SLATTERY	TLE	--	--	--	--	--	141
7	SUSAN K. SHAW	TLE	--	--	--	--	--	103
8	TAVISH PEGRAM	FEE/TLE	32	--	32	--	--	160
9	KERRY KRETCHMAR AND CHRISTOPHER MOHAR	FEE/TLE	543	--	543	--	--	621

APPROVED FOR THE CITY OF MADISON BY ENACTMENT NO. RES-19-00216, FILE NO. 54879, ADOPTED 03/19/2019

RELOCATION ORDER APPROVED BY THE COMMON COUNCIL
DATE: 3/9/19 Maribeth Witzel-Behl CITY CLERK

RELOCATION ORDER APPROVED BY THE PLANNING COMMISSION
DATE: 3/11/19 FOR EXECUTIVE SECRETARY

RELOCATION ORDER APPROVED BY THE BOARD OF PUBLIC WORKS
DATE: 3/6/19 FOR EXECUTIVE SECRETARY

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1702 Pankratz St, Madison, WI 53704
608-242-7779 1-800-446-0679
Web Address: www.msa-ps.com
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I, BRADLEY L TISDALE, 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 THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN BRADLEY L. TISDALE S-2824 WAUNAKEE WI LAND SURVEYOR

SIGNATURE: Bradley L Tisdale DATE: 03/28/19
PRINT NAME: BRADLEY L TISDALE
REGISTRATION NUMBER: S-2824

FILE NAME : P:\370S\373\00373071\CADD\RW\TPP_ATWOOD AVENUE.DWG
APPRAISAL PLAT DATE : 03/28/2019
PLOT DATE : 4/1/2019 3:23 PM
PLOT BY : BRAD TISDALE
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

TRANSPORTATION PROJECT PLAT NO: 5992-10-16 - 4.03

PART LOTS 2-8 AND OUTLOT "A" OF KNICKERBOCKER PARK LOCATED IN AND INCLUDING THE SE 1/4 OF THE SW 1/4 OF SECTION 5 AND AND THE NE 1/4 OF THE NW 1/4 OF SECTION 8 AND PART OF THE SW 1/4 OF THE SE 1/4 OF SECTION 5 AND PART OF THE NW 1/4 OF THE NE 1/4 OF SECTION 8 ALL BEING LOCATED IN T7N, R10E, CITY OF MADISON, DANE COUNTY, WISCONSIN.

RELOCATION ORDER ATWOOD AVENUE (FAIR OAKS AVENUE TO COTTAGE GROVE ROAD), DANE COUNTY, WISCONSIN.

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.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: PREVIOUS STATE PROJECT 1220, PREVIOUS DANE COUNTY PROJECT 1700, FIFTH ADDITION TO FAIR OAKS AND PLAT OF GARDEN RIDGE.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES. GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET OF TRANSPORTATION PROJECT PLAT 5992-10-16 - 4.01, RECORDED AS SHEET 2 OF 2 OF DOCUMENT NO. 5478843

Office of Register of Deeds
Dane County, Wisconsin
Received for Record April 5th
20 19 at 1:36 o'clock P M
and recorded in vol. 61-007B
of Plats on page 41
Kristi Chlebowski by A. Dickhoff, Deputy
Register

Doc. #5479065

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-10-16 -4.03
AMENDMENT NO:___

LOCATION MAP
NOT TO SCALE
R-10-E
T-7-N
SEC 5
SEC 4
SEC 8
SEC 9
LAKE MONONA
SHEET LOCATION
PROJECT LOCATION

CITY OF MADISON

OAKRIDGE AVENUE

ATWOOD AVENUE

STARKWEATHER CREEK

LAKE MONONA

MADISON

FOUND BRASS CAP
Y = 491,420.331
X = 833,980.017

1/4 LINE TO #200
S89°32'59"W 166.92'

S00°27'01"E 2214.04'

FOUND BRASS CAP
Y = 488,781.441
X = 834,000.750

S5 TO RL 284.23'
S5 TO C5 N00°27'01"W 2638.98'
S5 TO RL 601.98'
S5 TO SE5 N89°51'26"E 2629.14'

SE-SW | SW-SE | NE-NW | NW-NE

FOUND BRASS CAP
Y = 488,787.992
X = 836,629.884

N46°58'00"E 30.83'

N59°52'47"W 149.28'
N59°52'47"W 196.04'

S59°54'49"E 129.30'
S59°54'49"E

S64°55'57"E 312.41'
S65°55'57"E
N65°15'27"W 372.10'
S65°15'27"E 314.10'
S24°04'03"W 49.92'
N65°15'27"W 315.84'
S24°04'03"W 50.09'
S64°55'58"E

PLE - BUS STOP
0.044 ACRES
11

TLE - GRADING
0.101 ACRES
10

TLE - GRADING
2.577 ACRES
11

TLE - GRADING
0.342 ACRES
12

KNICKERBOCKER PARK
DOC. #325266
OUTLOT "A"

60' UTILITY EASEMENT
(VACATED LAKELAND AVENUE
- UTILITY EASEMENTS RETAINED)
DOCUMENT #1642894

10' MG&E ELECTRIC EASEMENT
DOCUMENT #1854314

10' MG&E ELECTRIC EASEMENT
DOCUMENT #2103271

KNICKERBOCKER PARK
DOC. #325266
BLOCK 1
LOT 6
LOT 7
LOT 8

LOT 2
LOT 3
LOT 4
LOT 5

BLDG

SIGN
WATER FOUNTAIN
DRINKING FOUNTAIN

ALIGNMENT INFORMATION

PI = STA 23+55.15
Y = 489,211.133
X = 833,748.482

DA = S59°20'27"E

PI = STA 24+58.15
Y = 489,158.614
X = 833,837.076

DA = S59°54'49"E

PI = STA 26+71.25
Y = 489,051.783
X = 834,021.470
Δ = 5°01'08"
T = 65.74'
L = 131.40'
R = 1500.00'
LC = 131.35'
LCB = S62°25'23"E
PC = 26+05.51
PT = 27+36.91

DA = S64°55'57"E

PI = STA 29+70.29
Y = 488,925.051
X = 834,292.416

DA = S65°55'57"E

PI = STA 31+27.82
Y = 488,860.806
X = 834,436.256

DA = S64°55'58"E

PI = STA 33+54.16
Y = 488,764.910
X = 834,641.277

DA = S65°55'57"E

PI = STA 36+23.49
Y = 488,655.076
X = 834,887.189

LINE	BEARING	LENGTH
302-303	S65°15'27"E	62.42'
303-304	N24°44'33"E	17.00'
304-305	S65°15'27"E	22.67'
308-309	N65°15'27"W	22.11'
309-310	N24°44'33"E	17.00'
310-311	N65°15'27"W	62.80'
P350-P351	S30°05'11"W	10.30'

PLE POINT	STATION	OFFSET	NORTHING	EASTING
P350	26+00.00	28.92' R	489,062.479	833,945.321
P351	26+00.00	39.22' R	489,053.568	833,940.159
P352	24+04.36	39.64' R	489,151.943	833,770.591

CURVE	LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD LENGTH
300-301	265.80'	2831.79'	5°22'40"	S62°34'07"E	265.70'
312-313	271.99'	2897.79'	5°22'40"	N62°34'07"W	271.89'
P350-313	41.57'	2897.79'	0°29'31""	N60°17'26"W	41.57'
P352-201	11.26'	2889.90'	0°13'24"	N57°30'25"E	11.26'

RW POINT	STATION	OFFSET	NORTHING	EASTING
200	24+28.81	36.59' L	489,205.053	833,830.497
201	24+09.44	29.59' R	489,157.993	833,780.091
300	25+58.47	36.81' L	489,140.170	833,942.335
301	28+27.51	35.57' L	489,017.766	834,178.160
302	32+00.00	34.94' L	488,861.872	834,516.437
303	32+62.42	35.29' L	488,835.746	834,573.130
304	32+62.33	52.29' L	488,851.185	834,580.245
305	32+85.00	52.42' L	488,841.695	834,600.838
306	36+00.00	49.92' L	488,710.233	834,886.100
307	36+00.00	50.09' R	488,618.920	834,845.316
308	32+85.00	47.58' R	488,751.112	834,558.469
309	32+62.89	47.71' R	488,760.365	834,538.391
310	32+62.80	30.71' R	488,775.804	834,545.506
311	32+00.00	31.06' R	488,802.088	834,488.474
312	28+27.89	30.43' R	488,957.825	834,150.537
313	25+58.43	29.19' R	489,083.081	833,909.215

TLE POINT	STATION	OFFSET
T300	24+29.33	41.60' L
T301	25+58.47	41.81' L
T302	28+27.48	40.57' L
T303	32+02.00	39.95' L
T304	32+02.00	34.95' L
T305	36+00.00	90.09' R
T306	33+50.00	87.21' R
T307	32+71.00	123.00' R
T308	32+17.00	30.97' R
T309	32+13.00	120.00' R
T310	30+99.03	86.14' R
T311	27+65.33	85.63' R
T312	25+91.14	259.01' R
T313	23+38.94	667.03' R
T314	22+75.69	624.05' R
T315	24+23.71	311.53' R
T316	25+06.45	188.16' R
T317	26+29.00	64.43' R
T318	23+91.42	64.76' R

UTILITY NUMBER	UTILITY SCHEDULE & INTEREST	PARCEL AFFECTED	INTEREST REQUIRED
100	MADISON GAS & ELECTRIC (MG&E) - GAS	11 & 12 NO EASEMENT OF RECORD	RELEASE OF RIGHTS
101	MADISON GAS & ELECTRIC (MG&E) - ELECTRIC	11 - DOC #1854314 & #2103271	RELEASE OF RIGHTS
102	CITY OF MADISON (PARKS) - ELECTRIC	12 NO EASEMENT OF RECORD	RELEASE OF RIGHTS
103	AT&T	11 - EASEMENT GRANTED BY PARK COMMITTEE LETTER DATED DECEMBER 1966	RELEASE OF RIGHTS
104	CITY OF MADISON - FIBER	11	RELEASE OF RIGHTS
105	CITY OF MADISON - SANITARY	11 - DOC #1642894 & NO EASEMENT OF RECORD	RELEASE OF RIGHTS
106	CITY OF MADISON - WATER	11 NO EASEMENT OF RECORD	RELEASE OF RIGHTS
109	CITY OF MADISON - STORM	11 - DOC #1642894 & NO EASEMENT OF RECORD	RELEASE OF RIGHTS

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 INTERESTS TO THE CITY OF MADISON.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED			PLE ACRES	TLE ACRES
			NEW	EXISTING	TOTAL		
10	CITY OF MADISON (PARKS - OLBRICH BOTANICAL GARDENS)	TLE	--	--	--	--	0.101
11	CITY OF MADISON (PARKS - OLBRICH PARK)	PLE, TLE	--	--	--	0.044	2.577
12	CITY OF MADISON (PARKS - OLBRICH BEACH HOUSE)	TLE	--	--	--	--	0.342

APPROVED FOR THE CITY OF MADISON BY ENACTMENT NO. RES-19-00216, FILE NO. 54879, ADOPTED 03/19/2019

RELOCATION ORDER APPROVED BY THE COMMON COUNCIL

DATE: 3/19/19 Maribeth Witzel-Behl
CITY CLERK

RELOCATION ORDER APPROVED BY THE PLANNING COMMISSION

DATE: 3/11/19 for EXECUTIVE SECRETARY

RELOCATION ORDER APPROVED BY THE BOARD OF PUBLIC WORKS

DATE: 3/6/19 for EXECUTIVE SECRETARY

MSA
TRANSPORTATION • MUNICIPAL DEVELOPMENT • ENVIRONMENTAL
1702 Pankratz St, Madison, WI 53704
608-242-7779 1-800-446-0679
Web Address: www.msa-ps.com
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I, BRADLEY L TISDALE, 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 THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN BRADLEY L. TISDALE S-2824 WAUNAKEE WI LAND SURVEYOR

SIGNATURE: Bradley L Tisdale DATE: 03/28/19
PRINT NAME: BRADLEY L TISDALE
REGISTRATION NUMBER: S-2824

GN
0 50 100
SCALE, FEET

4

FILE NAME : P:\370S\373\00373071\CADD\RW\TPP_ATWOOD AVENUE.DWG
APPRAISAL PLAT DATE : 03/28/2019
PLOT DATE : 4/1/2019 11:09 AM
PLOT BY : BRAD TISDALE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

TRANSPORTATION PROJECT PLAT NO: 5992-10-16 - 4.04

PART OF THE SE 1/4 OF THE SE 1/4 OF SECTION 5, T7N, R10E AND PART OF THE NW 1/4 OF THE NE 1/4 AND PART OF THE NE 1/4 OF THE NE 1/4 OF SECTION 8, T7N, R10E ALL LOCATED IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

RELOCATION ORDER ATWOOD AVENUE (FAIR OAKS AVENUE TO COTTAGE GROVE ROAD), DANE COUNTY, WISCONSIN.

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:
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EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: ATWOOD AVENUE - PREVIOUS STATE PROJECT 1220, PREVIOUS DANE COUNTY PROJECT 1700 AND DOCUMNET #1160321.

WALTER STREET - WALTERSCHEIT PLAT, CSM 12783 AND DOCUMENT #2887879.
SARGENT STREET AND JOHNS STREET - WALTERSCHEIT PLAT

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET OF TRANSPORTATION PROJECT PLAT 5992-10-16 - 4.01, RECORDED AS SHEET 2 OF 2 OF DOCUMENT no. 5478843

POINT	NORTHING	EASTING	EXISTING MONUMENT
12014	488,744.611	836,158.746	3/4" IB
12044	488,551.989	835,997.254	1" IP
12150	488,408.580	836,003.164	1" IP
12793	488,640.688	836,199.673	1" IP
13201	487,914.288	836,280.279	1" IP
30001	488,682.526	836,129.886	3/4" IB
30002	488,769.879	836,233.198	3/4" IB
30006	487,989.183	836,282.536	1" IP
30007	487,963.574	836,246.654	3/4" IB
30023	488,061.934	836,177.872	3/4" IB

LINE	BEARING	LENGTH
401-402	N23°16'02"E	164.07'
403-404	N39°51'36"E	231.97'
404-405	S59°09'09"E	68.11'
405-406	S43°50'35"W	18.25'
406-407	S39°51'36"W	94.07'
407-408	S37°13'17"W	77.37'
409-410	S14°02'14"W	62.66'
412-413	S22°01'55"E	29.80'
P450-P451	S44°30'22"W	10.00'
P451-P452	N48°29'33"W	145.47'
P452-P453	N53°54'27"W	116.82'
P453-416	N33°12'14"E	10.00'

CURVE	LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD LENGTH
400-401	231.13'	1482.39'	8°56'00"	S60°47'27"E	230.89'
402-403	264.11'	1100.00'	13°45'24"	N35°09'13"E	263.48'
408-409	242.71'	1034.00'	13°26'57"	S38°23'39"W	242.16'
410-411	25.50'	15.00'	97°24'43"	S72°01'45"W	22.54'
415-416	399.14'	1399.39'	16°20'31"	N48°08'48"W	397.78'
415-P450	134.77'	1399.39'	5°31'05"	N42°44'05"W	134.72'
416-P450	264.36'	1399.39'	10°49'26"	S50°54'21"E	263.97'

TLE POINT	STATION	OFFSET
T305	36+00.00	90.09' R
T400	199+46.70	78.09' L
T401	201+14.39	81.91' L
T402	201+18.49	22.07' L
T403	201+90.91	31.20' L
T404	206+16.90	25.03' L
T405	206+20.07	5.03' L
T406	49+87.73	79.14' R
T407	48+99.62	77.52' R
T408	46+50.96	84.68' R
T409	46+51.38	118.97' R
T410	45+83.53	118.54' R
T411	45+85.42	74.30' R

PLE POINT	STATION	OFFSET	NORTHING	EASTING
P450	48+50.87	28.11' R	488,045.307	835,933.680
P451	48+51.17	38.10' R	488,038.175	835,926.670
P452	47+01.11	43.85' R	488,134.581	835,817.732
P453	45+79.08	44.75' R	488,203.397	835,723.335

RW POINT	STATION	OFFSET	NORTHING	EASTING
306	36+00.00	49.92' L	488,710.233	834,886.100
307	36+00.00	50.09' R	488,618.920	834,845.316
400	43+55.63	53.79' L	488,393.601	835,573.166
401	45+79.58	48.25' L	488,280.927	835,774.698
402	200+99.81	5.83' L	488,431.654	835,839.510
403	203+62.79	5.05' L	488,647.075	835,991.212
404	205+94.76	5.03' L	488,825.138	836,139.885
405	206+05.42	62.24' R	488,790.215	836,198.358
406	205+87.22	60.97' R	488,777.054	836,185.718
407	204+93.15	60.97' R	488,704.848	836,125.430
408	204+15.86	64.52' R	488,643.237	836,078.629
409	201+63.63	61.75' R	488,453.444	835,928.232
410	200+97.06	77.36' R	488,392.656	835,913.034
411	200+80.09	60.98' R	488,385.702	835,891.593
412	46+39.58	68.02' L	488,260.946	835,837.949
413	46+63.79	52.76' L	488,233.322	835,849.128
414	49+87.73	43.93' L	487,992.036	836,080.510
415	49+87.73	27.88' R	487,946.353	836,025.103
416	45+79.08	34.75' R	488,211.765	835,728.811

UTILITY NUMBER	UTILITY SCHEDULE & INTEREST	PARCEL AFFECTED	INTEREST REQUIRED
100	MADISON GAS & ELECTRIC (MG&E) - GAS	12 NO EASEMENT OF RECORD	RELEASE OF RIGHTS
101	MADISON GAS & ELECTRIC (MG&E) - ELECTRIC	12 - NO EASEMENT OF RECORD 14 - DOC #4604515 15 - DOC #1875479	RELEASE OF RIGHTS
102	CITY OF MADISON - ELECTRIC (STREET LIGHTS)	12 - NO EASEMENT OF RECORD	RELEASE OF RIGHTS
103	AT&T	12 & 13 - NO EASEMENT OF RECORD	RELEASE OF RIGHTS
105	CITY OF MADISON - SANITARY	12 & 13 - NO EASEMENT OF RECORD	RELEASE OF RIGHTS
106	CITY OF MADISON - WATER	12 & 13 - NO EASEMENT OF RECORD	RELEASE OF RIGHTS
107	MADISON METRO SEWERAGE DISTRICT	12 & 13 - DOC #0777778	RELEASE OF RIGHTS

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 INTERESTS TO THE CITY OF MADISON.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	PLE ACRES	TLE ACRES
12	CITY OF MADISON (PARKS - OLBRICH BEACH HOUSE)	PLE, TLE	--	--	--	0.067	1.340
13	CITY OF MADISON (PARKS - OLBRICH SOFTBALL DIAMONDS)	TLE	--	--	--	--	0.506
14	MADISON METRO SEWERAGE DISTRICT	TLE	--	--	--	--	1215 SQ FT
15	CITY OF MADISON (ENGINEER WALKWAYS AND BIKEPATHS)	TLE	--	--	--	--	506 SQ FT

APPROVED FOR THE CITY OF MADISON BY ENACTMENT NO. RES-19-00216, FILE NO. 54879, ADOPTED 03/19/2019

RELOCATION ORDER APPROVED BY THE COMMON COUNCIL

DATE: 3/19/19 Maribeth Witzel-Behl CITY CLERK

RELOCATION ORDER APPROVED BY THE PLANNING COMMISSION

DATE: 3/11/19 FOR EXECUTIVE SECRETARY

RELOCATION ORDER APPROVED BY THE BOARD OF PUBLIC WORKS

DATE: 3/6/19 FOR EXECUTIVE SECRETARY

MSA

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1702 Pankratz St, Madison, WI 53704
608-242-7779 1-800-446-0679
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I, BRADLEY L TISDALE, 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 THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN BRADLEY L TISDALE S-2824 WAUNAKEE WI LAND SURVEYOR

SIGNATURE: Bradley L Tisdale DATE: 03/28/19
PRINT NAME: BRADLEY L TISDALE
REGISTRATION NUMBER: S-2824

Office of Register of Deeds
Dane County, Wisconsin
Received for Record April 5th
20 19 at 1:36 o'clock P M
and recorded in vol. 61-007B
of Plats on page 42
Kristi Chlebowski By
Smith Dieckhoff Deputy Register
Doc. #5479066

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-10-16 -4.0 4
AMENDMENT NO:___

ATWOOD AVENUE ALIGNMENT INFORMATION

PI = STA 33+54.16
Y = 488,764.910
X = 834,641.277

DA = S65°55'57"E

PI = STA 36+23.49
Y = 488,655.076
X = 834,887.189

DA = S64°55'57"E

PI = STA 46+25.84
Y = 488,230.394
X = 835,795.130
Δ = 21°07'58"
T = 195.87'
L = 387.28'
R = 1050.00'
LC = 385.09'
LCB = S54°21'58"E
PC = 44+29.97
PT = 48+17.26

DA = S43°47'59"E

PI = STA 49+90.96
Y = 487,963.650
X = 836,050.926
Δ = 08°56'25"
T = 78.18'
L = 156.04'
R = 1000.00'
LC = 155.88'
LCB = S39°19'46"E
PC = 49+12.79
PT = 50+68.82

DA = S34°51'34"E

PI = STA 54+46.13
Y = 487,589.897
X = 836,311.266

WALTER STREET BIKE PATH ALIGNMENT INFORMATION

PI = STA 198+86.57
Y = 488,234.637
X = 835,757.217

DA = N24°05'00"E

PI = STA 201+79.56
Y = 488,502.118
X = 835,876.774
Δ = 15°46'20"
T = 109.43'
L = 217.47'
R = 790.00'
LC = 216.78'
LCB = N31°58'10"E
PC = 200+70.13
PT = 202+87.60

DA = N39°51'20"E

PI = STA 206+36.41
Y = 488,853.889
X = 836,170.435

SCALE, FEET 0 50 100

GN

LOCATION MAP
NOT TO SCALE
SHEET LOCATION
PROJECT LOCATION
R-10-E
T-7-N
SEC 5
SEC 4
SEC 8
SEC 9
LAKE MONONA

MADISON

TRANSPORTATION PROJECT PLAT NO: 5992-10-16 - 4.05

PART OF LOT 17, AND PART LOT 10, BLOCK 2 AND PART OF LOT 3, BLOCK 3 OF WALTERSCHEIT PLAT LOCATED IN AND INCLUDING PART OF THE NE 1/4 OF THE NE 1/4 OF SECTION 8 AND PART OF THE SE 1/4 OF THE NE 1/4 OF SECTION 8, ALL LOCATED IN T7N, R10E, CITY OF MADISON, DANE COUNTY, WISCONSIN.

RELOCATION ORDER ATWOOD AVENUE (FAIR OAKS AVENUE TO COTTAGE GROVE ROAD), DANE COUNTY, WISCONSIN.

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.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: ATWOOD AVENUE - PREVIOUS STATE PROJECT 1220, PREVIOUS DANE COUNTY PROJECT 1700, WALTERSCHEIT PLAT, DOCUMENTS #1155971, #1150312, #1154993 AND #1156583.

DENNETT STREET AND MARGARET STREET - WALTERSCHEIT PLAT.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES. GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET OF TRANSPORTATION PROJECT PLAT 5992-10-16 - 4.01, RECORDED AS SHEET 2 OF 2 OF DOCUMENT NO. 5478843

POINT	NORTHING	EASTING	EXISTING MONUMENT
13201	487,914.288	836,280.279	1" IP
13468	487,453.894	836,454.867	1" IP
13769	487,616.856	836,488.018	1" IP
14204	487,266.373	836,505.274	1" IP
30006	487,989.183	836,282.536	1" IP
30007	487,963.574	836,246.654	3/4" IB
30008	487,736.759	836,258.332	3/4" IB
30009	487,701.123	836,283.187	3/4" IB
30011	487,629.869	836,332.824	1" IP
30012	487,594.160	836,357.705	1" IP
30013	487,559.295	836,381.939	CHISLED "X"
30033	487,566.832	836,522.265	1" IP

PLE POINT	STATION	OFFSET	NORTHING	EASTING
P550	56+30.00	25.50' R	487,424.448	836,395.435
P551	57+29.55	25.91' R	487,342.392	836,452.591
P552	57+29.41	33.91' R	487,337.820	836,446.027
P553	56+30.00	33.50' R	487,419.875	836,388.870

RW POINT	STATION	OFFSET	NORTHING	EASTING
414	49+87.73	43.93' L	487,992.036	836,080.510
415	49+87.73	27.88' R	487,946.353	836,025.103
500	50+89.07	40.50' L	487,906.037	836,140.414
501	51+04.07	55.70' L	487,902.419	836,161.461
502	51+03.74	79.48' L	487,916.274	836,180.788
503	51+63.74	80.29' L	487,867.510	836,215.746
504	51+64.08	55.30' L	487,852.944	836,195.428
505	51+79.08	40.50' L	487,832.180	836,191.859
506	54+98.22	40.50' L	487,570.305	836,374.270
507	55+13.13	53.84' L	487,565.694	836,393.732
508	55+15.90	78.68' L	487,577.618	836,415.706
509	55+75.53	72.02' L	487,524.881	836,444.322
510	55+73.87	57.16' L	487,517.753	836,431.185
511	55+88.78	40.50' L	487,495.991	836,426.034
512	58+24.21	38.50' L	487,302.823	836,560.586
513	58+22.51	27.50' R	487,266.493	836,505.459
514	51+14.87	25.50' R	487,847.139	836,101.006

TLE POINT	STATION	OFFSET
T406	49+87.73	79.14' R
T500	51+64.04	57.98' L
T501	51+69.04	58.05' L
T502	51+69.19	47.20' L
T503	51+90.87	47.50' L
T504	51+90.97	40.50' L
T505	54+81.75	40.50' L
T506	54+81.75	45.50' L
T507	55+04.15	45.50' L
T508	55+06.37	65.43' L
T509	55+14.32	64.54' L
T510	55+74.03	58.56' L
T511	55+80.98	57.78' L
T512	55+79.84	47.50' L
T513	56+12.26	47.50' L
T514	56+12.26	40.50' L
T515	58+22.13	42.50' R
T516	57+39.32	41.08' R
T517	57+39.06	56.08' R
T518	56+25.04	55.50' R
T519	56+25.04	40.50' R
T520	52+10.04	40.50' R
T521	52+10.04	59.45' R
T522	51+70.01	63.66' R
T523	54+62.00	506.46' R
T524	54+10.80	519.65' R
T525	51+14.00	69.56' R

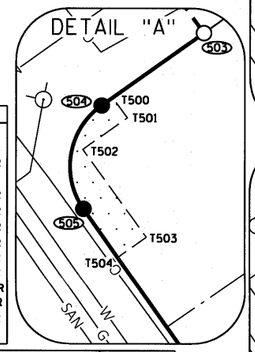
UTILITY NUMBER	UTILITY SCHEDULE & INTEREST	PARCEL AFFECTED	INTEREST REQUIRED
100	MADISON GAS & ELECTRIC (MG&E) - GAS	12 - NO EASEMENT OF RECORD	RELEASE OF RIGHTS
101	MADISON GAS & ELECTRIC (MG&E) - ELECTRIC	12 - DOC #1538704, #5361270, #4290498	RELEASE OF RIGHTS
102	CITY OF MADISON - ELECTRIC	12 - NO EASEMENT OF RECORD	RELEASE OF RIGHTS
103	AT&T	12 - NO EASEMENT OF RECORD	RELEASE OF RIGHTS
107	MADISON METRO SEWERAGE DISTRICT	12 - DOC #0777778	RELEASE OF RIGHTS
109	CITY OF MADISON - STORM	12 - NO EASEMENT OF RECORD	RELEASE OF RIGHTS

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 INTERESTS TO THE CITY OF MADISON.

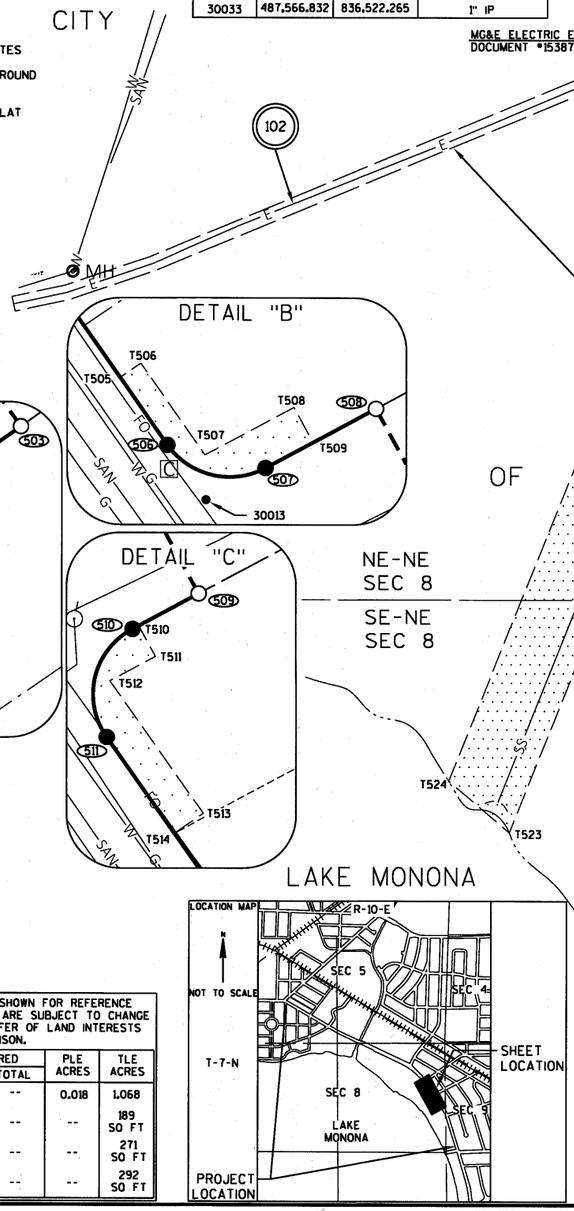
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	PLE ACRES	TLE ACRES
12	CITY OF MADISON (PARKS - OLBRICH BEACH HOUSE)	PLE, TLE	--	--	--	0.018	1.068
17	LLOYD J BLANEY	TLE	--	--	--	--	189 SQ FT
18	ELLIOTT G. SMITH AND MELISSA R. SMITH	TLE	--	--	--	--	271 SQ FT
19	ROBERT T. PLUM AND LAUREEN K. THOEMKE	TLE	--	--	--	--	292 SQ FT

DETAIL "A"



DETAIL "B"

DETAIL "C"



CURVE	LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD LENGTH
500-501	23.76'	15.00'	90°46'48"	S80°14'53"E	21.36'
504-505	23.36'	15.00'	89°13'22"	S09°45'07"W	21.07'
506-507	21.89'	15.00'	83°37'33"	S76°40'21"E	20.00'
510-511	25.23'	15.00'	96°22'27"	S13°19'39"W	22.36'
514-415	124.96'	1399.39'	5°06'59"	N37°25'03"W	124.92'

LINE	BEARING	LENGTH
414-500	S34°51'34"E	104.81'
501-502	N54°21'48"E	23.78'
502-503	S35°38'12"E	60.00'
503-504	S54°21'48"W	25.00'
507-508	N61°30'53"E	25.00'
508-509	S28°29'07"E	60.00'
509-510	S61°30'53"W	14.95'
513-P551	N34°51'34"W	92.50'
P551-P552	S55°08'26"W	8.00'
P552-P553	N34°51'34"W	100.00'
P553-P550	N55°08'26"E	8.00'
P550-P551	S34°51'34"E	100.00'

ATWOOD AVENUE ALIGNMENT INFORMATION

DA = S43°47'59"E

PI = STA 49+90.96
Y = 487,963.650
X = 836,050.926
Δ = 08°56'25"
T = 78.18'
L = 156.04'
R = 1000.00'
LC = 155.88'
LCB = S39°19'46"E
PC = 49+12.79
PT = 50+68.82

DA = S34°51'34"E

PI = STA 54+46.13
Y = 487,589.897
X = 836,311.266

DA = S34°51'34"E

PI = STA 57+06.32
Y = 487,376.397
X = 836,459.982

DA = S35°51'34"E

PI = STA 58+20.92
Y = 487,283.522
X = 836,527.111

DA = S34°51'34"E

PI = STA 60+79.26
Y = 487,071.536
X = 836,674.772
Δ = 17°50'24"
T = 188.34'
L = 373.64'
R = 1200.00'
LC = 372.13'
LCB = S25°56'22"E
PC = 58+90.92
PT = 62+64.56

LOCATION MAP

APPROVED FOR THE CITY OF MADISON BY ENACTMENT NO. RES-19-00216, FILE NO. 54879, ADOPTED 03/19/2019

RELOCATION ORDER APPROVED BY THE COMMON COUNCIL
DATE: 3/19/19 Maribeth Witzel-Behl CITY CLERK

RELOCATION ORDER APPROVED BY THE PLANNING COMMISSION
DATE: 3/11/19 EXECUTIVE SECRETARY

RELOCATION ORDER APPROVED BY THE BOARD OF PUBLIC WORKS
DATE: 3/6/19 EXECUTIVE SECRETARY

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1702 Pankratz St, Madison, WI 53704
608-242-7779 1-800-446-0679
Web Address: www.msa-ps.com
© MSA Professional Services, Inc.

I, BRADLEY L TISDALE, 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 THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN BRADLEY L TISDALE S-2824 WAUNAKEE WI LAND SURVEYOR

SIGNATURE: Bradley L Tisdale DATE: 03/28/19
PRINT NAME: BRADLEY L TISDALE
REGISTRATION NUMBER: S-2824

Office of Register of Deeds
Dane County, Wisconsin
Received for Record April 5th
2019 at 1:36 o'clock P M
and recorded in vol. 61-107B
of Plats on page 43
Kristi Chlebowski by
Beth Dibnaff, Deputy Register
Doc # 5479067

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-10-16-4.05
AMENDMENT NO:

GN
0 50 100
SCALE, FEET

TRANSPORTATION PROJECT PLAT NO: 5992-10-16 - 4.06

PART OF LOTS 4-7, BLOCK 1 AND PART OF LOTS 1-6, BLOCK 4, OLBRICH PARK ADDITION LOCATED IN THE SE 1/4 OF THE NE 1/4 OF SECTION 8, AND THE SW 1/4 OF THE NW 1/4 OF SECTION 9, T7N, R10E, CITY OF MADISON, DANE COUNTY, WISCONSIN.

RELOCATION ORDER ATWOOD AVENUE (FAIR OAKS AVENUE TO COTTAGE GROVE ROAD), DANE COUNTY, WISCONSIN.

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.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: ATWOOD AVENUE - PREVIOUS STATE PROJECT 1220, PREVIOUS DANE COUNTY PROJECT 1700, OLBRICH PARK ADDITION.

OLBRICH AVENUE - OLBRICH PARK ADDITION.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES. GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET OF TRANSPORTATION PROJECT PLAT 5992-10-16 - 4.01, RECORDED AS SHEET 2 OF 2 OF DOCUMENT NO 5478843

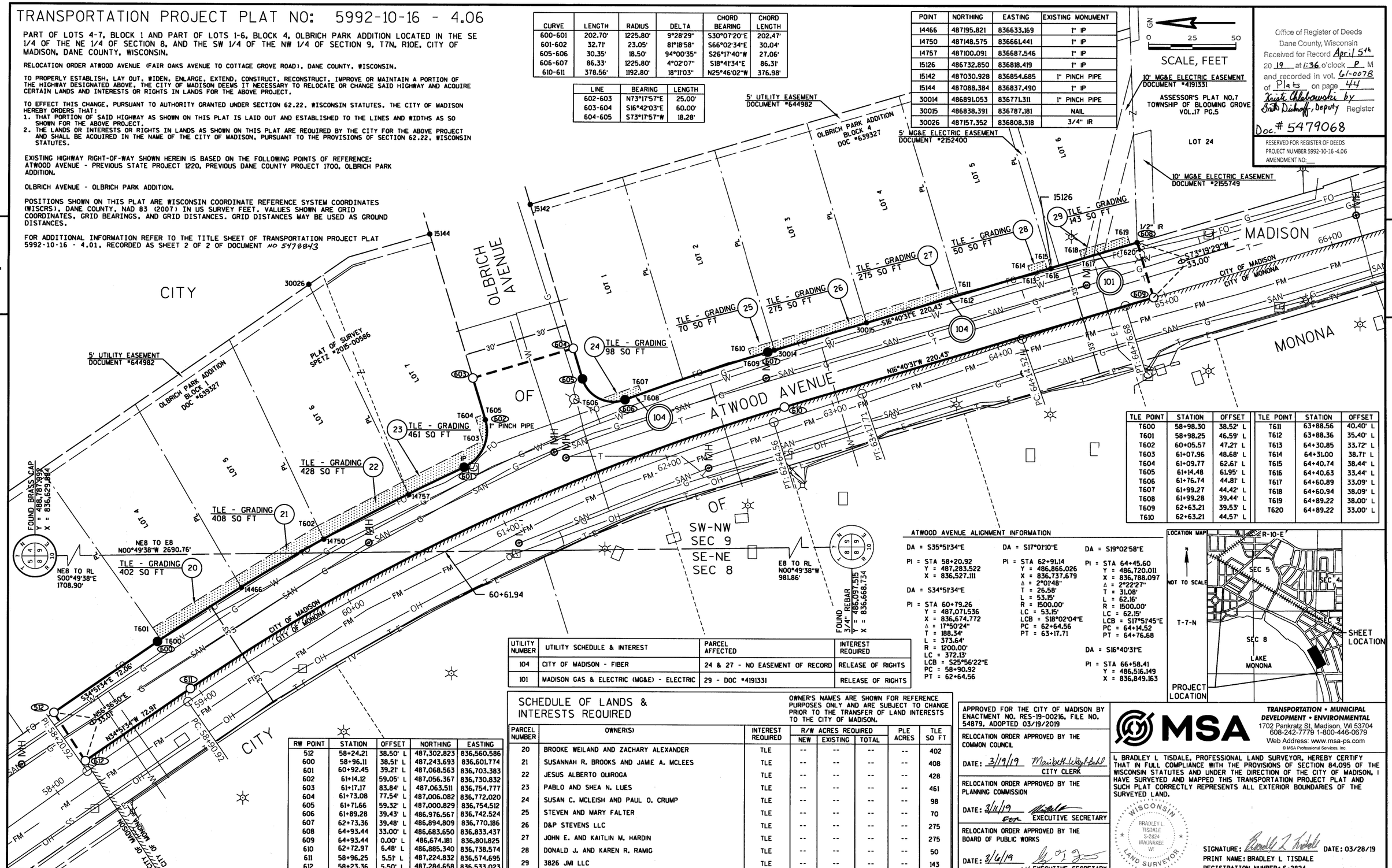
CURVE	LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD LENGTH
600-601	202.70'	1225.80'	9°28'29"	S30°07'20"E	202.47'
601-602	32.71'	23.05'	81°18'58"	S66°02'34"E	30.04'
605-606	30.35'	18.50'	94°00'35"	S26°17'40"W	27.06'
606-607	86.33'	1225.80'	4°02'07"	S18°41'34"E	86.31'
610-611	378.56'	1192.80'	18°11'03"	N25°46'02"W	376.98'

LINE	BEARING	LENGTH
602-603	N73°17'57"E	25.00'
603-604	S16°42'03"E	60.00'
604-605	S73°17'57"W	18.28'

POINT	NORTHING	EASTING	EXISTING MONUMENT
14466	487195.821	836633.169	1" IP
14750	487148.575	836661.441	1" IP
14757	487100.091	836687.546	1" IP
15126	486732.850	836818.419	1" IP
15142	487030.928	836854.685	1" PINCH PIPE
15144	487088.384	836837.490	1" IP
30014	486891.053	836771.311	1" PINCH PIPE
30015	486838.391	836787.181	NAIL
30026	487157.352	836808.318	3/4" IR

GN
0 25 50
SCALE, FEET

Office of Register of Deeds
Dane County, Wisconsin
Received for Record April 5th
20 19 at 1:36 o'clock P M
and recorded in vol. 61-007B
of Plats on page 44
Kristi Chlebowski by
Beth Dichoff, Deputy Register
Doc.# 5479068
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-10-16 -4.06
AMENDMENT NO:



TLE POINT	STATION	OFFSET	TLE POINT	STATION	OFFSET
T600	58+98.30	38.52' L	T611	63+88.56	40.40' L
T601	58+98.25	46.59' L	T612	63+88.36	35.40' L
T602	60+05.57	47.21' L	T613	64+30.85	33.72' L
T603	61+07.96	48.68' L	T614	64+31.00	38.71' L
T604	61+09.77	62.61' L	T615	64+40.74	38.44' L
T605	61+14.48	61.95' L	T616	64+40.63	33.44' L
T606	61+76.74	44.81' L	T617	64+60.89	33.09' L
T607	61+99.27	44.42' L	T618	64+60.94	38.09' L
T608	61+99.28	39.44' L	T619	64+89.22	38.00' L
T609	62+63.21	39.53' L	T620	64+89.22	33.00' L
T610	62+63.21	44.57' L			

RW POINT	STATION	OFFSET	NORTHING	EASTING
512	58+24.21	38.50' L	487,302.823	836,560.586
600	58+96.11	38.51' L	487,243.693	836,601.774
601	60+92.45	39.21' L	487,068.563	836,703.383
602	61+14.12	59.05' L	487,056.367	836,730.832
603	61+17.17	83.84' L	487,063.511	836,754.777
604	61+73.08	77.54' L	487,006.082	836,772.020
605	61+71.66	59.32' L	487,000.829	836,754.512
606	61+89.28	39.43' L	486,976.567	836,742.524
607	62+73.36	39.48' L	486,894.809	836,770.186
608	64+93.44	33.00' L	486,683.650	836,833.437
609	64+93.44	0.00' L	486,674.181	836,801.825
610	62+72.97	6.48' L	486,885.340	836,738.574
611	58+96.25	5.51' L	487,224.832	836,574.695
612	58+23.36	5.50' L	487,284.658	836,533.023

UTILITY NUMBER	UTILITY SCHEDULE & INTEREST	PARCEL AFFECTED	INTEREST REQUIRED
104	CITY OF MADISON - FIBER	24 & 27 - NO EASEMENT OF RECORD	RELEASE OF RIGHTS
101	MADISON GAS & ELECTRIC (MG&E) - ELECTRIC	29 - DOC #4191331	RELEASE OF RIGHTS

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 INTERESTS TO THE CITY OF MADISON.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	PLE ACRES	TLE SQ FT
20	BROOKE WEILAND AND ZACHARY ALEXANDER	TLE	--	--	--	--	402
21	SUSANNAH R. BROOKS AND JAMIE A. MCLEES	TLE	--	--	--	--	408
22	JESUS ALBERTO QUIROGA	TLE	--	--	--	--	428
23	PABLO AND SHEA N. LUES	TLE	--	--	--	--	461
24	SUSAN C. MCLEISH AND PAUL O. CRUMP	TLE	--	--	--	--	98
25	STEVEN AND MARY FALTER	TLE	--	--	--	--	70
26	D&P STEVENS LLC	TLE	--	--	--	--	275
27	JOHN E. AND KAITLIN M. HARDIN	TLE	--	--	--	--	275
28	DONALD J. AND KAREN R. RAMIG	TLE	--	--	--	--	50
29	3826 JMI LLC	TLE	--	--	--	--	143

ATWOOD AVENUE ALIGNMENT INFORMATION

DA = S35°51'34"E

PI = STA 58+20.92
Y = 487,283.522
X = 836,527.111

DA = S34°51'34"E

PI = STA 60+79.26
Y = 487,071.536
X = 836,674.772
Δ = 17°50'24"
T = 188.34'
L = 373.64'
R = 1200.00'
LC = 372.13'
LCB = S25°56'22"E
PC = 58+90.92
PT = 62+64.56

DA = S17°01'10"E

PI = STA 62+91.14
Y = 486,866.026
X = 836,737.679
Δ = 2°01'48"
T = 26.58'
L = 53.15'
R = 1500.00'
LC = 53.15'
LCB = S18°02'04"E
PC = 62+64.56
PT = 63+17.71

DA = S19°02'58"E

PI = STA 64+45.60
Y = 486,720.011
X = 836,788.097
Δ = 2°22'27"
T = 31.08'
L = 62.16'
R = 1500.00'
LC = 62.15'
LCB = S17°51'45"E
PC = 64+14.52
PT = 64+76.68

DA = S16°40'31"E

PI = STA 66+58.41
Y = 486,516.149
X = 836,849.163

APPROVED FOR THE CITY OF MADISON BY ENACTMENT NO. RES-19-00216, FILE NO. 54879, ADOPTED 03/19/2019

RELOCATION ORDER APPROVED BY THE COMMON COUNCIL
DATE: 3/19/19 Maribeth Witzel-Behl CITY CLERK

RELOCATION ORDER APPROVED BY THE PLANNING COMMISSION
DATE: 3/14/19 for EXECUTIVE SECRETARY

RELOCATION ORDER APPROVED BY THE BOARD OF PUBLIC WORKS
DATE: 3/6/19 for EXECUTIVE SECRETARY

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1702 Pankratz St, Madison, WI 53704
608-242-7779 1-800-446-0679
Web Address: www.msa-ps.com
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I, BRADLEY L TISDALE, 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 THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN BRADLEY L. TISDALE S-2824 WAUNAKEE WI LAND SURVEYOR

SIGNATURE: Bradley L Tisdale DATE: 03/28/19
PRINT NAME: BRADLEY L TISDALE
REGISTRATION NUMBER: S-2824

Document No. 5506416

TRANSPORTATION PROJECT PLAT NO: 5992-10-16 - 4.07

PART OF LOTS 1-8, ASSESSOR'S PLAT NO. 3 VILLAGE OF MONONA, LOCATED IN THE SE 1/4 OF THE NE 1/4 OF SECTION 8 AND THE SW 1/4 OF THE NW 1/4 OF SECTION 9, T7N, R10E, CITY OF MONONA, DANE COUNTY, WISCONSIN.

RELOCATION ORDER ATWOOD AVENUE (FAIR OAKS AVENUE TO COTTAGE GROVE ROAD), DANE COUNTY, WISCONSIN.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF MONONA 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 MONONA 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 MONONA, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: ATWOOD AVENUE - PREVIOUS STATE PROJECT 1220, PREVIOUS DANE COUNTY PROJECT 1700, PREVIOUS PROJECT 5994-00-00-2 OLBRICH PARK ADDITION.

OLBRICH AVENUE - OLBRICH PARK ADDITION.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD 83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET OF TRANSPORTATION PROJECT PLAT 5992-10-16 - 4.01, RECORDED AS SHEET 2 OF 2 OF DOCUMENT #5478843.

Office of Register of Deeds
Dane County, Wisconsin
Received for Record July 23
20 19 at 11:52 o'clock A M
and recorded in vol. 61-016A
of Plats on page 90
Kristi Chlebowski BY
Dawn Mc Carthy, DEPUTY Register

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5992-10-16-4.07
AMENDMENT NO:__

GN

0 25 50
SCALE, FEET

RW POINT	STATION	OFFSET	NORTHING	EASTING
513	58+22.51	27.50' R	487,266.493	836,505.459
610	62+72.97	6.48' L	486,885.340	836,738.574
611	58+96.25	5.51' L	487,224.832	836,574.695
612	58+23.36	5.50' L	487,284.658	836,533.023
700	58+96.40	27.49' R	487,205.970	836,547.617
701	62+72.59	26.51' R	486,875.870	836,706.962
702	65+92.74	33.00' R	486,569.582	836,798.709
703	66+49.58	32.82' R	486,515.185	836,815.189
704	66+58.41	33.22' R	486,506.615	836,817.337
705	66+58.41	0.28' L	486,516.228	836,849.428
706	66+04.99	0.35' R	486,567.223	836,833.503
707	65+92.74	0.00' R	486,579.051	836,830.321

TLE POINT	STATION	OFFSET	TLE POINT	STATION	OFFSET
T700	58+22.39	32.50 R	T714	63+03.54	28.19' R
T701	58+27.39	32.58' R	T715	63+03.42	32.21' R
T702	58+27.44	30.58' R	T716	63+82.48	35.41' R
T703	59+74.69	30.17' R	T717	63+88.60	31.67' R
T704	59+74.79	32.16' R	T718	64+28.94	33.26' R
T705	61+00.66	36.84' R	T719	64+40.11	35.87' R
T706	61+00.56	29.80' R	T720	64+70.14	36.29' R
T707	61+52.73	30.70' R	T721	64+73.87	34.00' R
T708	61+52.75	35.20' R	T722	65+49.29	34.00' R
T709	61+88.52	34.55' R	T723	65+49.29	35.00' R
T710	61+88.71	31.56' R	T724	65+92.75	35.00' R
T711	61+95.70	31.75' R	T725	66+49.56	34.82' R
T712	61+95.81	27.56' R	T726	66+58.41	35.22' R
T713	62+72.58	27.51' R			

CURVE	LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD LENGTH
610-611	378.56'	1192.80'	18°11'03"	N25°46'02"W	376.98'
700-701	368.09'	1159.80'	18°11'03"	S25°46'02"E	366.55'

UTILITY NUMBER	UTILITY SCHEDULE & INTEREST	PARCEL AFFECTED	INTEREST REQUIRED
101	MADISON GAS & GAS - ELECTRIC	30 & 31 - NO EASEMENT OF RECORD	RELEASE OF RIGHTS
102	CITY OF MADISON - ELECTRIC	30 & 31 - NO EASEMENT OF RECORD	RELEASE OF RIGHTS
103	AT&T	30 & 31 - NO EASEMENT OF RECORD	RELEASE OF RIGHTS
110	CHARTER - TV	30 & 31 - NO EASEMENT OF RECORD	RELEASE OF RIGHTS

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 INTERESTS TO THE CITY OF MONONA.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	PLE ACRES	TLE ACRES
30	EAST SIDE BUSINESS MEN'S ASSOCIATION, INC	TLE	--	--	--	--	0.039
31	MONONA APARTMENT INVESTORS LLC	TLE	--	--	--	--	0.034

LINE	BEARING	LENGTH
702-703	S16°51'18"E	56.84'
703-704	S14°04'20"E	8.83'
705-706	N17°20'33"W	53.42'
706-707	N15°03'29"W	12.25'

APPROVED FOR THE CITY OF MONONA, ADOPTED 04/15/2019

RELOCATION ORDER APPROVED BY THE COMMON COUNCIL

DATE: 6-28-19 JOAN ANDRUSZ, CITY CLERK

DATE: 6-28-19 MARY O'CONNOR, MAYOR

MSA
TRANSPORTATION • MUNICIPAL DEVELOPMENT • ENVIRONMENTAL
1702 Pankratz St, Madison, WI 53704
608-242-7779 1-800-446-0679
Web Address: www.msa-ps.com
©MSA Professional Services, Inc.

I, BRADLEY L TISDALE, 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 MONONA, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN BRADLEY L. TISDALE S-2824 WAUNAKEE WI LAND SURVEYOR

SIGNATURE: Bradley L Tisdale DATE: 06/25/2019
PRINT NAME: BRADLEY L TISDALE
REGISTRATION NUMBER: S-2824

LOCATION MAP
NOT TO SCALE
T-7-N
R-10-E
SEC 5
SEC 4
SEC 8
LAKE MONONA
SHEET LOCATION
PROJECT LOCATION

POINT	NORTHING	EASTING	EXISTING MONUMENT
601	487,068.563	836,703.383	1" IP
602	487,056.367	836,730.832	1" PINCH PIPE
608	486,683.650	836,833.437	1/2" IR
14466	487195.821	836633.169	1" IP
14750	487148.575	836661.441	1" IP
14757	487100.091	836687.546	1" IP
15126	486732.850	836818.419	1" IP
30014	486891.053	836771.311	1" PINCH PIPE
30015	486838.391	836787.181	NAIL

ATWOOD AVENUE ALIGNMENT INFORMATION

DA = S35°51'34"E
PI = STA 58+20.92
Y = 487,283.522
X = 836,527.111

DA = S34°51'34"E
PI = STA 60+79.26
Y = 487,071.536
X = 836,674.772
Δ = 17°50'24"
T = 188.34'
L = 373.64'
R = 1200.00'
LC = 372.13'
LCB = S25°56'22"E
PC = 58+90.92
PT = 62+64.56

DA = S17°01'10"E
PI = STA 62+91.14
Y = 486,866.026
X = 836,737.679
Δ = 2°01'48"
T = 26.58'
L = 53.15'
R = 1500.00'
LC = 53.15'
LCB = S18°02'04"E
PC = 62+64.56
PT = 63+17.71

DA = S19°02'58"E
PI = STA 64+45.60
Y = 486,720.011
X = 836,788.097
Δ = 2°22'27"
T = 31.08'
L = 62.16'
R = 1500.00'
LC = 62.15'
LCB = S17°51'45"E
PC = 64+14.52
PT = 64+76.68

DA = S16°40'31"E
PI = STA 66+58.41
Y = 486,516.149
X = 836,849.163

FILE NAME : P:\370S\373\00373071\CADD\RW\TPP_ATWOOD AVENUE.DWG
APPRAISAL PLAT DATE : 06/25/2019
PLOT DATE : 6/25/2019 9:12 AM PLOT BY : BRAD TISDALE PLOT NAME : PLOT SCALE : ##########

5992-10-16 - 4.07

P.I. = STA. 11+47.96
Y = 489,817.24
X = 832,702.26
DELTA ANGLE = 28°38'40.56"
DEGREE OF CURVATURE = 28°38'52.44"
T. = 51.06'
L. = 99.99'
R. = 200.00'
P.C. = STA. 10+96.90
Y = 489,818.52
X = 832,651.22
P.T. = STA. 11+96.89
Y = 489,791.64
X = 832,746.45

FAIR OAKS AVENUE
ATWOOD AVENUE
MAPLE AVENUE
LUDINGTON AVENUE

3002 ATWOOD INVESTMENTS LLC
233 S FAIR OAKS AVE
3002 ATWOOD INVESTMENTS LLC
3010 ATWOOD AVE
MAYNARD SCHMUDLACH (LE)
MICHAEL SCHMUDLACH
3014 ATWOOD AVE
ROBERT H GRETHER
PAMELA K GRETHER
3026 ATWOOD AVE
KELLY SORENSON
NATHAN LIEGEL
3030 ATWOOD AVE
CONNIE JO NADLER
BONITA RAE ANDERSON
3034 ATWOOD AVE
CURRENT OWNER
3102 ATWOOD AVE
CURRENT OWNER
3106 ATWOOD AVE
RICHARD WATTS
3112 ATWOOD AVE
HILARY ANN STEIN
2929 ATWOOD AVE
MADISON METRO SCHOOL DISTRICT
401 MAPLE AVE
DAVID J BLOOM
RAINA M BLOOM
401 LUDINGTON AVE
MICHAEL JOHN SHORT
3105 ATWOOD AVE

STA. 12+53, LT
20' ASPHALT
DRIVEWAY REQ'D.
CITY OF MADISON (ELECTRIC)
PT: 11+96.89
BORING #1
CITY OF MADISON (WATERMAIN)
CITY OF MADISON (SANITARY)
MG&E (OVERHEAD)
CITY OF MADISON (WATERMAIN)
BM#1
AT&T (FIBER)
MG&E (OVERHEAD)
CHARTER (OVERHEAD)
MG&E (GAS)
CITY OF MADISON (FIBER)
MG&E (ELECTRIC)
ROOT PRUNING TREES
INSTALL TREE PROTECTION
(10' BUFFER FROM TREE)
DURING TERRACE REGRADING
MG&E (ELECTRIC)
MG&E (GAS)
PC: 16+62.62
MATCHLINE STA. 17+00
CITY OF MADISON
(STORM SEWER)
STA. 16+48, RT
12' CONCRETE
DRIVEWAY REQ'D.
STA. 16+97, RT
10' CONCRETE
DRIVEWAY REQ'D.
SLOPE INTERCEPTS (TYP.)

BEGIN PROJECT
STA. 12+75.00
Y = 489,752.48
X = 832,814.03

S88°33'27.47"E
S59°54'46.96"E

BENCHMARKS

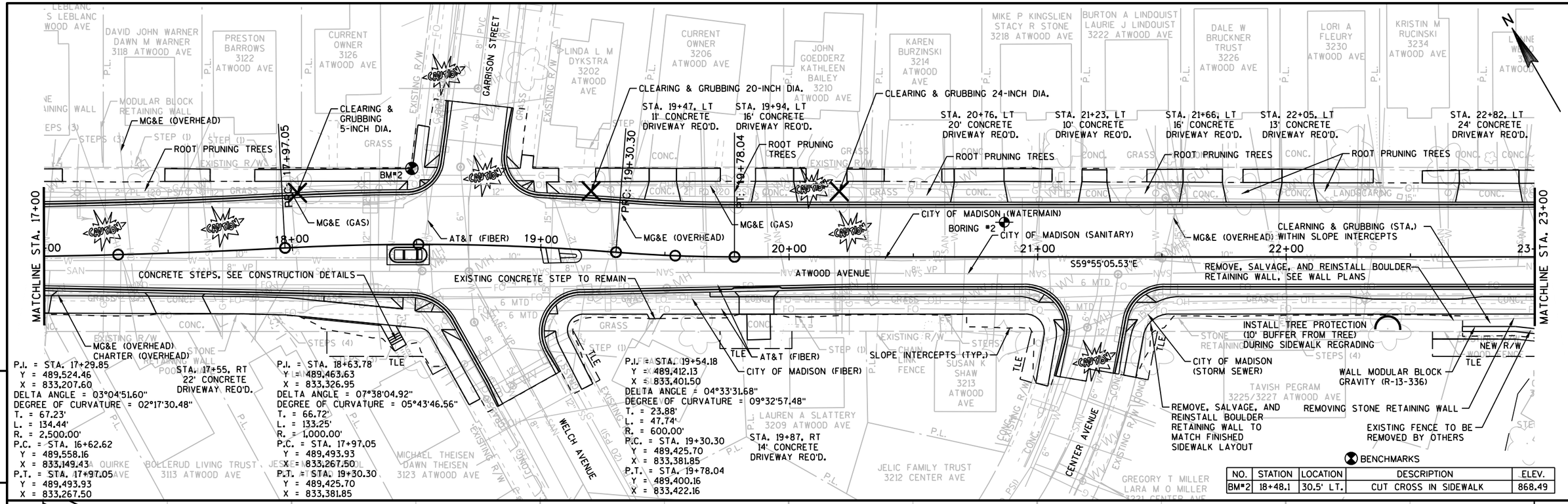
NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#1	14+0.5	21.9' RT.	CUT CROSS IN SIDEWALK	885.71

STA 12+75.00
EL 881.58
VPC STA 13+15.00
VPC EL 883.12
HIGH POINT STA 14+26.9
HIGH POINT EL 885.27
VPI STA 14+41.00
VPI EL 887.97
VPT STA 15+67.00
VPT EL 881.90
FINISHED ℄ PROFILE
EXISTING ℄ PROFILE
3.85%
-4.81%
VCL = 252.00
K = 29.09

890
880
875
878.11
878.51
879.33
880.85
882.44
882.54
884.08
884.25
885.07
885.15
885.08
885.18
884.06
884.36
882.08
882.67
879.77
880.31
877.42
877.91
874.90
875.50
11+00
12+00
13+00
14+00
15+00
16+00
17+00

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PLAN AND PROFILE: ATWOOD AVENUE	SHEET 384 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050101-pp
PLOT DATE : 9/13/2022 7:01 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN: 40 FT



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PLAN AND PROFILE: ATWOOD AVENUE	SHEET 385 E

P.I. = STA. 24+58.15
Y = 489,158.61
X = 833,837.08
Δ = 00°34'22.58"

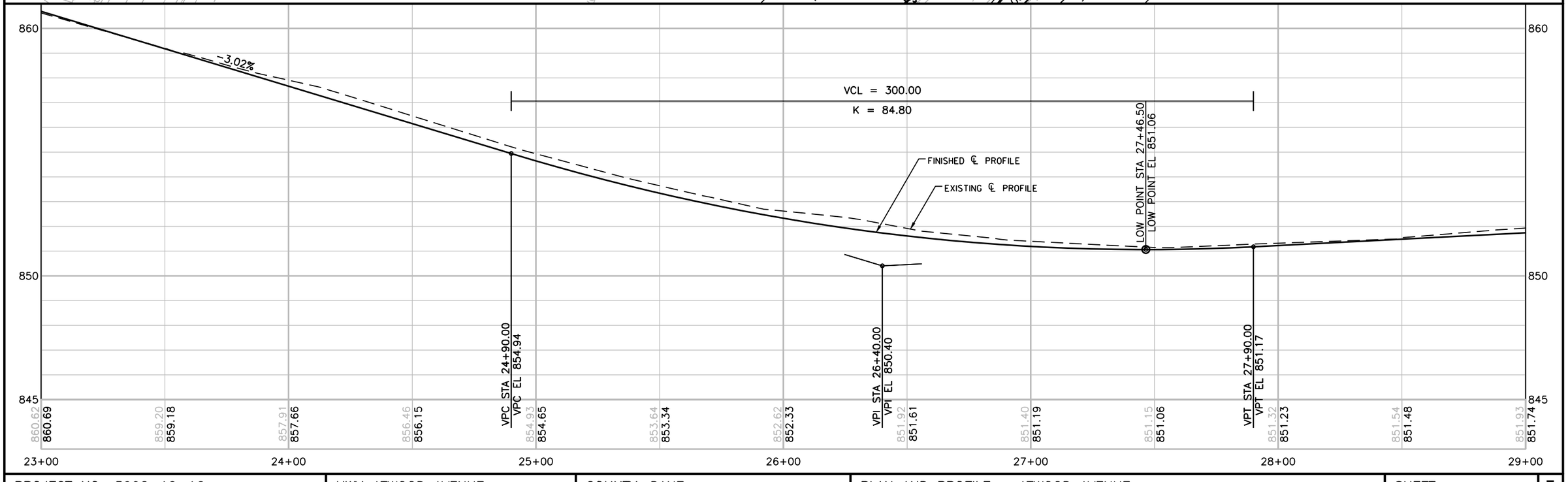
P.I. = STA. 26+71.25
Y = 489,051.78
X = 834,021.47
DELTA ANGLE = 05°01'08.04"
DEGREE OF CURVATURE = 03°49'10.92"
T. = 65.74'
L. = 131.40'
R. = 1,500.00'
P.C. = STA. 26+05.51
Y = 489,084.74
X = 833,964.59
P.T. = STA. 27+36.91
Y = 489,023.93
X = 834,081.02

JAMES DRURY 3242 ATWOOD AVE
CITY OF MADISON PARKS OLBRICH BOTANICAL GARDENS 3330 ATWOOD AVE
SUGAR AVENUE
MEMORIAL PARK SITE BOUNDARY (47DA0851/BDA0600)
CITY OF MADISON (FIBER)
CITY OF MADISON (ELECTRIC)
MG&E (GAS)
ROOT PRUNING TREES
BM#3
MG&E (OVERHEAD)
MG&E (ELECTRIC)
MATCHLINE STA. 23+00
MATCHLINE STA. 29+00
ATWOOD AVENUE
CITY OF MADISON (WATERMAIN)
CITY OF MADISON (STORM SEWER)
CITY OF MADISON (SANITARY)
CITY OF MADISON (FORCEMAIN)
CITY OF MADISON (WATERMAIN)
S59°55'05.53"E
S59°20'26.65"E
S59°54'49.23"E
S64°55'57.28"E
REMOVING STONE RETAINING WALL
CLEARING & GRUBBING (STA.) WITHIN SLOPE INTERCEPTS
AT&T (FIBER)
CLEARING & GRUBBING 20-INCH DIA.
NEW R/W
TLE
PLE
EXISTING FENCE TO BE REMOVED BY OTHERS
WALL MODULAR BLOCK GRAVITY (R-13-336)
GRUBBING SPECIAL 72-INCH
OAKRIDGE AVENUE
SLOPE INTERCEPTS (TYP.)
SCULPTURE FOUNDATION
PARK SIGN
CITY OF MADISON PARKS OLBRICH PARK 3301 ATWOOD AVE
SEE EROSION CONTROL PLAN FOR PROTECTION OF EXTANT MOUND AREA WITHIN THE MEMORIAL PARK SITE BOUNDARY
BOTANICAL GARDEN SIGN
STA. 26+99, LT 29' ASPHALT DRIVEWAY REQ'D.
STA. 26+92, RT 26' ASPHALT DRIVEWAY REQ'D.
PC: 106+90.68
PT: 107+37.91
SEE LAKELAND AVENUE MULTI-USE PATH PLAN & PROFILE SHEETS
DRINKING FOUNDATION
LAKELAND AVENUE

P.I. = STA. 23+55.15
Y = 489,211.13
X = 833,748.48
Δ = 00°34'38.88"

BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#3	23+75.3	30.2' LT.	CUT CROSS IN SIDEWALK	858.37
BM#4	27+75.2	30.0' RT.	CUT CROSS IN SIDEWALK	851.39



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PLAN AND PROFILE: ATWOOD AVENUE	SHEET 386 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050103-pp
PLOT DATE : 9/13/2022 7:02 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN: 40 FT

BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#5	33+93.1	34.1' LT.	CENTER OF BRASS CAP	852.07

P.I. = STA. 29+70.29
Y = 488,925.05
X = 834,292.42
Δ = 00°59'59.85"

P.I. = STA. 31+27.82
Y = 488,860.81
X = 834,436.26
Δ = 00°59'59.51"

P.I. = STA. 33+54.16
Y = 488,764.91
X = 834,641.28
Δ = 00°59'59.66"

CITY OF MADISON PARKS OLBRICH BOTANICAL GARDENS
3330 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

CITY OF MADISON PARKS OLBRICH PARK
3301 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

STARKWEATHER CREEK

ATWOOD AVENUE

MATCHLINE STA. 29+00

MATCHLINE STA. 35+00

STA. 34+10, LT
25' ASPHALT
DRIVEWAY REQ'D.

CITY OF MADISON (WATERMAIN)

CITY OF MADISON (STORM SEWER)

CITY OF MADISON (ELECTRIC)

CITY OF MADISON (FIBER)

CITY OF MADISON (FORCEMAIN)

AT&T (FIBER)

BORING #3

EXISTING STRUCTURE B-13-254 TO REMAIN

STRUCTURE B-13-864

SEE LAKELAND AVENUE MULTI-USE PATH PLAN & PROFILE SHEETS

CLEARING & GRUBBING 18-INCH DIA.

CLEARING & GRUBBING 8-INCH DIA.

CLEARING & GRUBBING (STA.) WITHIN SLOPE INTERCEPTS

MG&E (GAS)

SLOPE INTERCEPTS (TYP.)

SHRUBS

MULCH

IRON FENCE

TLE

EXISTING R/W

GRASS

ASPH.

CONC.

6 MTD

9 MCD

6-4" PVC

12" STL 175 PSI

CAUTION

PC: 108+52.91
PT: 108+54.99

PC: 110+33.72
PT: 110+57.72

PC: 112+51.18
PT: 112+57.53

P.I.: 29+70.29

P.I.: 31+27.82

P.I.: 33+54.16

S64°55'57.28"E

S65°55'57.13"E

S64°55'57.62"E

S65°55'57.28"E

29+00 30+00 31+00 32+00 33+00 34+00 35+00

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

STA 31+77.85
EL 853.16

STA 33+04.24
EL 852.99

FINISHED ℄ PROFILE

EXISTING ℄ PROFILE

STRUCTURE B-13-254 TO REMAIN

0.51%

1.01%

860 850 845

851.93 851.74 852.16 852.00 852.59 852.25 852.88 852.51 853.15 852.76 853.33 853.02 853.22 853.67 853.03 852.82 852.53 852.43 852.02 851.91 851.51 851.40 851.01

29+00 30+00 31+00 32+00 33+00 34+00 35+00

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PLAN AND PROFILE: ATWOOD AVENUE	SHEET 387 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050104-pp

PLOT DATE : 9/13/2022 7:02 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN: 40 FT

WISDOT/CADDS SHEET 44

P.I. = STA. 36+23.49
Y = 488,655.08
X = 834,887.19
Δ = 01°00'00.00"

CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST

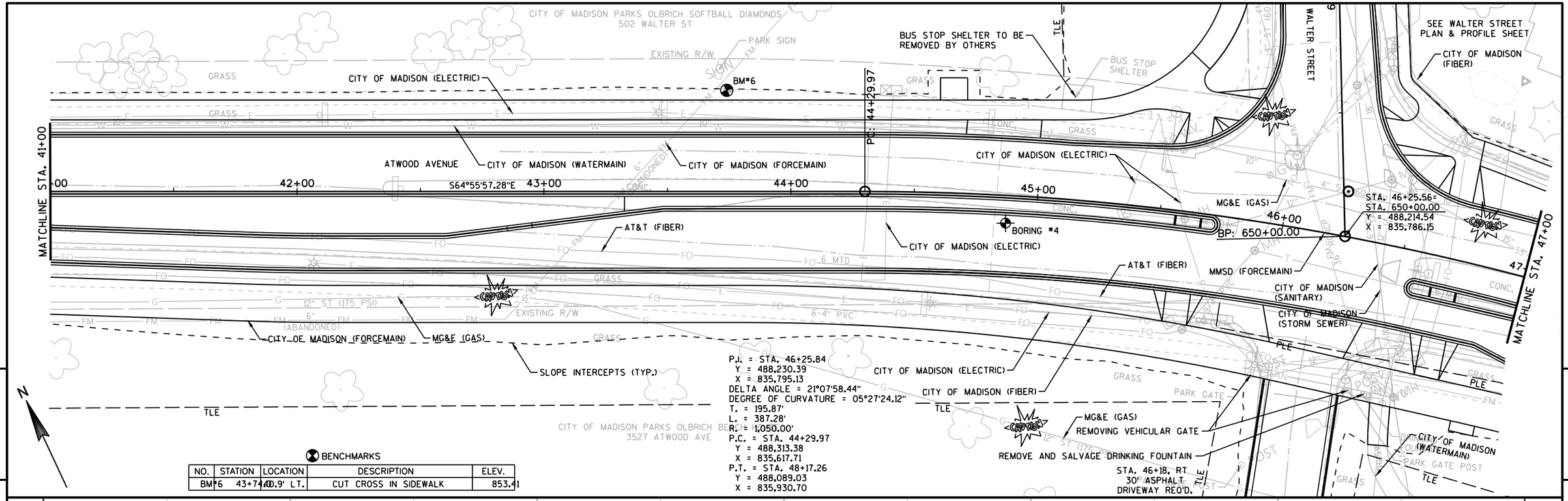
N

PARK SIGN
EXISTING R/W
SLOPE INTERCEPTS (TYP.)
CITY OF MADISON (ELECTRIC)
GRASS
ASPH.
P.I.: 36+23.49
CITY OF MADISON (WATERMAIN)
ATWOOD AVENUE
MATCHLINE STA. 35+00
MATCHLINE STA. 41+00
PC: 115+02.49
PT: 115+08.85
EP: 116+39.74
S65°55'57.28"E
S64°55'57.28"E
AT&T (FIBER)
6 MTD
6-4" PVC
SEE LAKELAND AVENUE MULTI-USE PATH PLAN & PROFILE SHEETS
CAUTION
CITY OF MADISON (STORM SEWER)
CITY OF MADISON (FORCEMAIN))
MG&E (GAS)
CITY OF MADISON (FIBER)
CITY OF MADISON (FORCEMAIN)
CLEARING & GRUBBING 14-INCH DIA.
CLEARING & GRUBBING 18-INCH DIA.
STA. 37+17, RT
30' ASPHALT
DRIVEWAY REQ'D.
TLE
CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

STA 35+35.00
EL 850.66
STA 36+05.00
EL 850.03
STA 36+75.00
EL 849.68
STA 37+85.00
EL 850.23
FINISHED ℄ PROFILE
EXISTING ℄ PROFILE
-0.89%
-0.50%
0.50%
0.67%
850
843
851.40 851.01
850.92 850.52
850.53 850.08
850.34 849.81
850.50 849.81
850.64 850.06
850.87 850.33
850.97 850.67
851.29 851.01
851.64 851.35
851.93 851.68
852.28 852.02
852.65 852.36
35+00
36+00
37+00
38+00
39+00
40+00
41+00

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PLAN AND PROFILE: ATWOOD AVENUE	SHEET 388	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050105-pp
PLOT DATE : 9/13/2022 7:02 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PLAN AND PROFILE: ATWOOD AVENUE	SHEET 389 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050106-pp

PLOT DATE : 9/13/2022 7:02 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN: 40 FT

WISDOT/CADDS SHEET 44

P.I. = STA. 49+90.96
Y = 487,963.65
X = 836,050.93
DELTA ANGLE = 08°56'24.72"
DEGREE OF CURVATURE = 05°43'46.56"
T. = 78.18'
L. = 156.04'
R. = 1,000.00'
P.C. = STA. 49+12.79
Y = 488,020.07
X = 835,996.82
P.T. = STA. 50+68.82
Y = 487,899.50
X = 836,095.61

OLBRICH BY THE LAKE ASSOC LLC
3528 ATWOOD AVE

RUTH E NICHOLS
JAMES C NICHOLS
3502 DENNETT DR UNIT P2

LLOYD J BLANEY
3602 ATWOOD AVE

A J PROBST
3606 ATWOOD AVE
(VACANT LOT)

VIRGINIA PROBST
3610 ATWOOD AVE

CITY OF MADISON PARKS OLBRICH BEACH HOUSE
3527 ATWOOD AVE

STA. 49+69, LT
26' ASPHALT
DRIVEWAY REQ'D.

STA. 52+90, LT
12' CONCRETE
DRIVEWAY REQ'D.

CITY OF MADISON FORESTRY STAFF TO BE PRESENT FOR REMOVAL, EXCAVATION AND FORMING OF CURB & GUTTER AND SIDEWALK. INSTALL TREE PROTECTION (10' BUFFER FROM TREE) DURING TERRACE REGRADING.

ROOT PRUNING TREES

EXISTING SIDEWALK TRENCH DRAIN TO REMAIN, SEE CONSTRUCTION DETAILS

REMOVING SIDEWALK TRENCH DRAIN

CLEARING & GRUBBING 8-INCH DIA.

CLEARING & GRUBBING 2-INCH DIA.

CLEARING & GRUBBING 18-INCH DIA.

SLOPE INTERCEPTS (TYP.)

SEE STORM SEWER PLANS FOR ADDITIONAL CLEARING & GRUBBING NEAR STORM SEWER OUTFALL

CITY OF MADISON (FIBER)
CITY OF MADISON (WATERMAIN)
CITY OF MADISON (SANITARY)
CITY OF MADISON (STORM SEWER)
CITY OF MADISON (ELECTRIC)
MG&E (GAS)
MG&E (OVERHEAD)
MG&E (ELECTRIC)
AT&T (FIBER)
AT&T (TELEPHONE)
MMSD (FORCEMAIN)

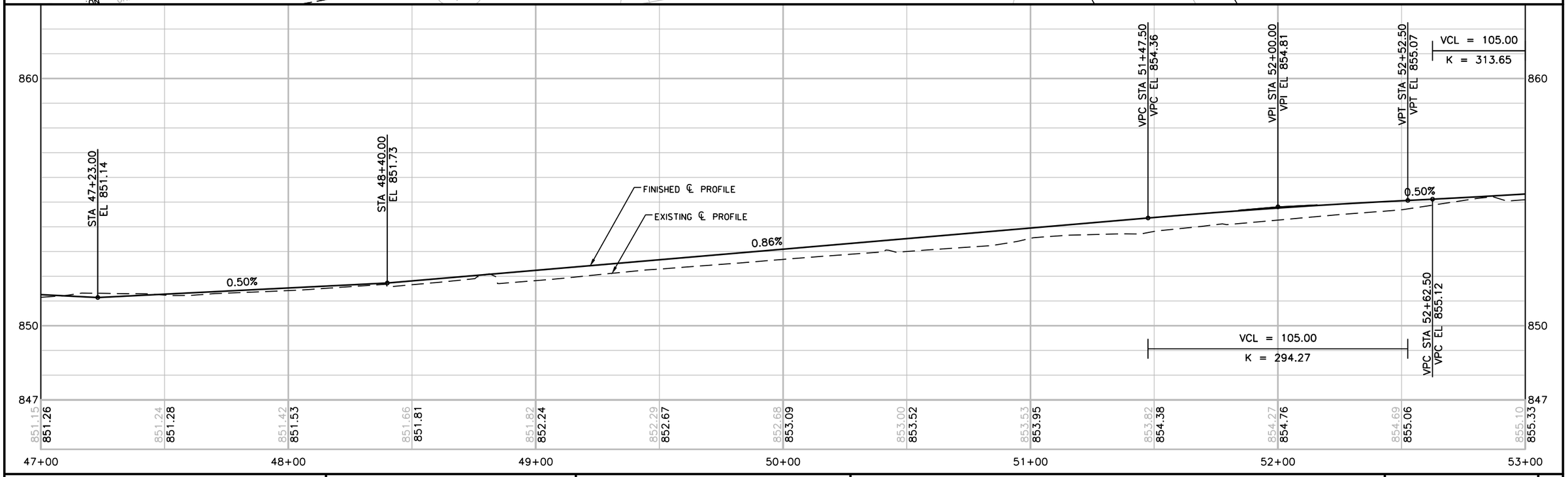
ATWOOD AVENUE
DENNETT DRIVE

PC: 48+17.26
PT: 49+12.79
PC: 50+68.82

MATCHLINE STA. 47+00
MATCHLINE STA. 53+00

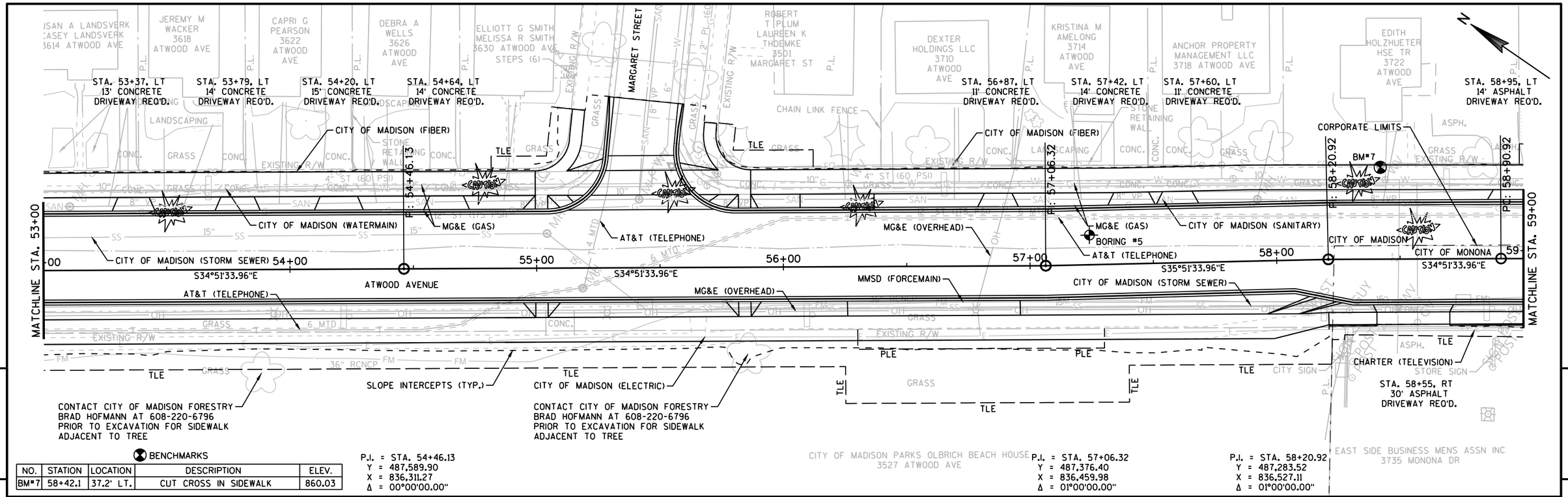
S43°47'58.67"E
S34°51'33.96"E

47+00
48+00
49+00
50+00
51+00
52+00
53+00



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PLAN AND PROFILE: ATWOOD AVENUE	SHEET 390	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050107-pp
PLOT DATE : 10/12/2022 5:10 PM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN: 40 FT



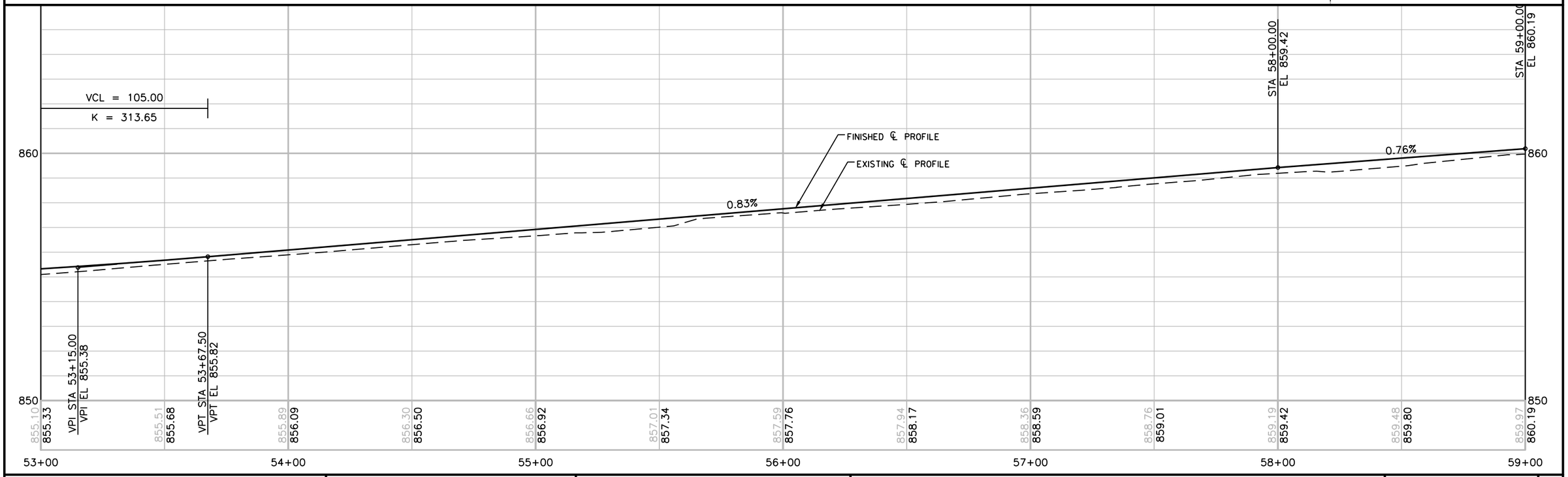
BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#7	58+42.1	37.2' LT.	CUT CROSS IN SIDEWALK	860.03

P.I. = STA. 54+46.13
Y = 487,589.90
X = 836,311.27
Δ = 00°00'00.00"

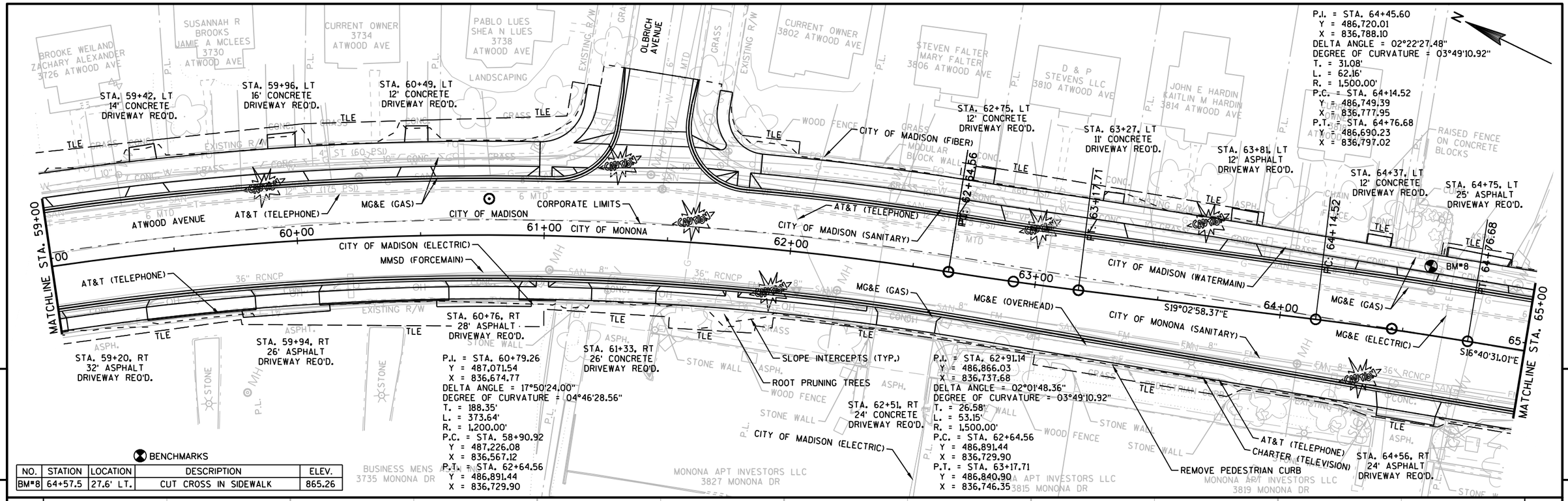
P.I. = STA. 57+06.32
Y = 487,376.40
X = 836,459.98
Δ = 01°00'00.00"

P.I. = STA. 58+20.92
Y = 487,283.52
X = 836,527.11
Δ = 01°00'00.00"



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PLAN AND PROFILE: ATWOOD AVENUE	SHEET 391	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050108-pp
PLOT DATE : 9/13/2022 7:02 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN: 40 FT

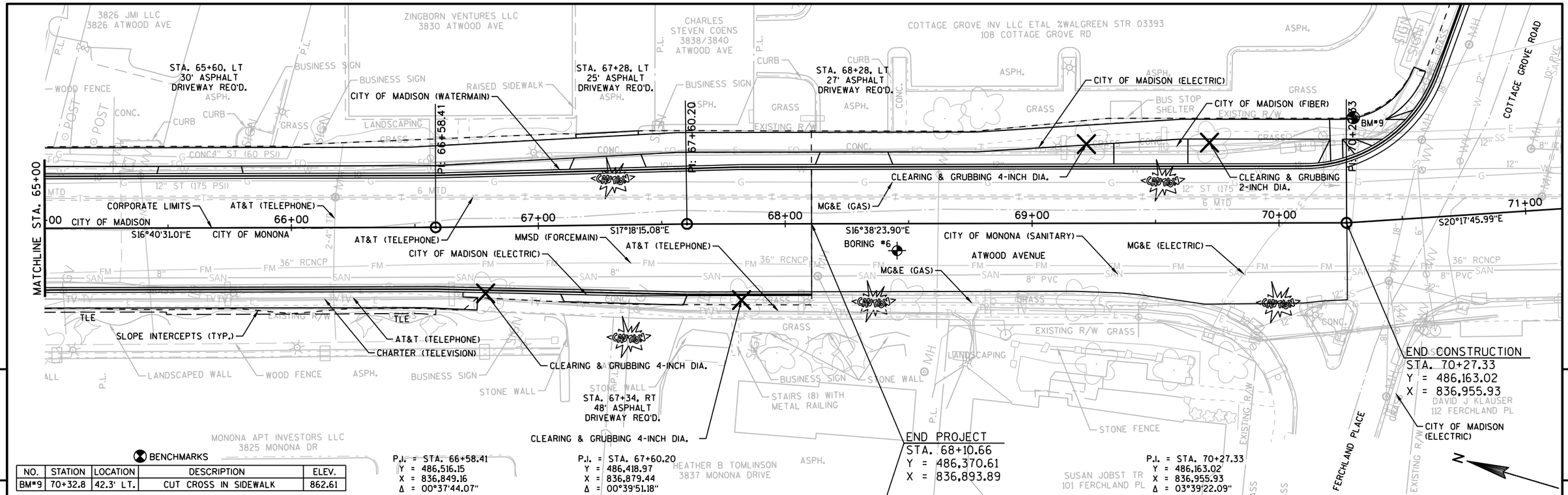


PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PLAN AND PROFILE: ATWOOD AVENUE	SHEET 392	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050109-pp

PLOT DATE : 9/13/2022 7:02 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN: 40 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PLAN AND PROFILE: ATWOOD AVENUE	SHEET 393	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050110-pp

PLOT DATE : 9/13/2022 7:03 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN: 40 FT

WISDOT/CADDS SHEET 44

REMOVING VEHICULAR GATE

REMOVE AND SALVAGE DRINKING FOUNTAIN

BEGIN CONSTRUCTION
STA. 650+00.00
Y = 488,214.54
X = 835,786.15

SEE ATWOOD AVENUE PLAN & PROFILE SHEET

ATWOOD AVENUE

BP: 650+00.00

STA. 650+00.00=
STA. 46+25.56
Y = 488,214.54
X = 835,786.15

N23°44'40.14"E

MG&E (GAS)

MMSD (FORCEMAIN)

SLOPE INTERCEPTS (TYP.)

AT&T (TELEPHONE) (ABANDONED)

CLEARING & GRUBBING 4-INCH DIA.

CLEARING & GRUBBING 20-INCH DIA.

CLEARING & GRUBBING 18-INCH DIA.

BP: 200+00.00

PC: 200+70.13

STA. 652+53, LT
23' ASPHALT
DRIVEWAY REQ'D.

EP: 652+75.37

ROOT PRUNING TREES

CITY OF MADISON (WATERMAIN)

CITY OF MADISON (STORM SEWER)

AT&T (TELEPHONE)

WALTER STREET

CITY OF MADISON (FIBER)

OLBRICH BY THE LAKE ASSOC LLC
3528 ATWOOD AVE

ROOT PRUNING TREES

SEE WALTER STREET MULTI-USE PATH PLAN & PROFILE SHEET

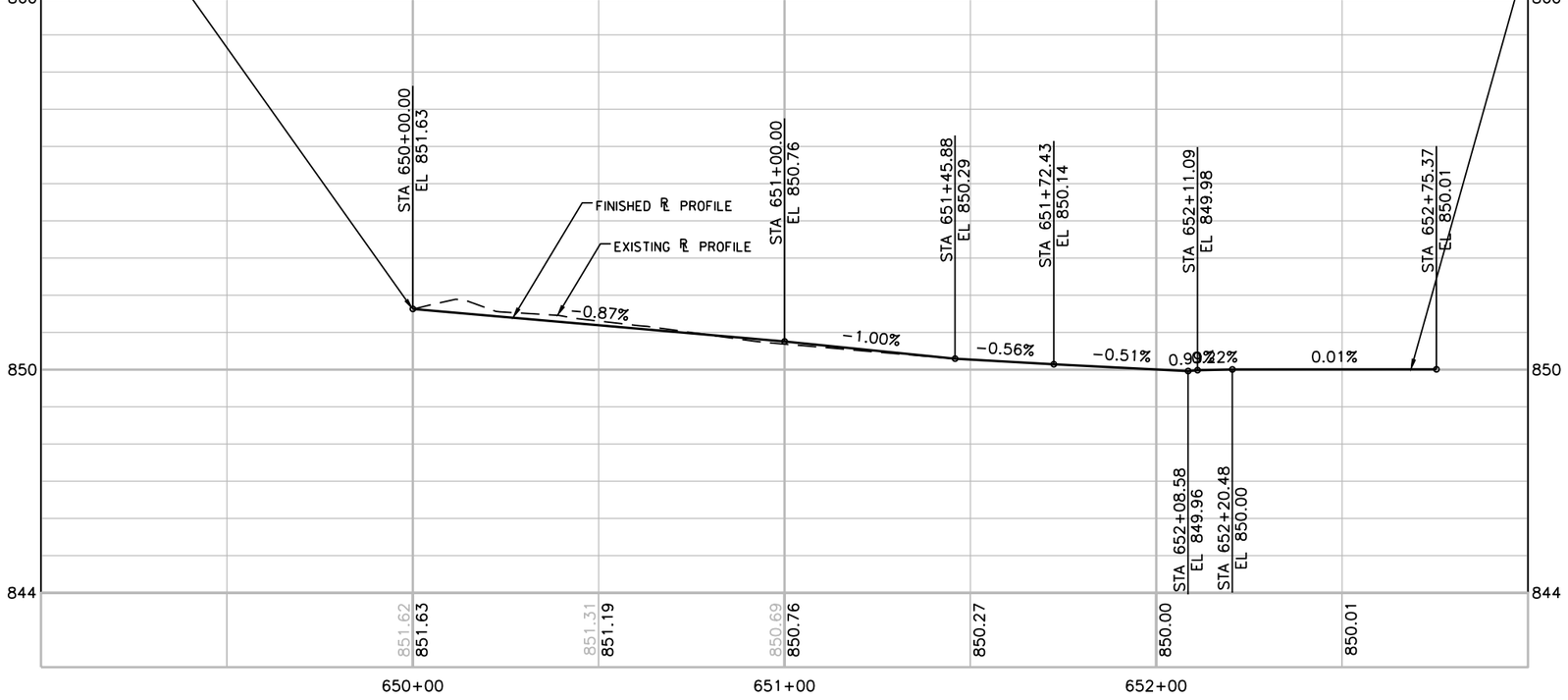
MG&E (OVERHEAD)

CITY OF MADISON (SANITARY)

JOHNS STREET

ROBERT CAREY
505 WALTER ST

END CONSTRUCTION
STA. 652+68.53
Y = 488,460.34
X = 835,894.28



PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	PLAN AND PROFILE: WALTER STREET	SHEET 394	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050111-pp

PLOT DATE : 9/13/2022 7:03 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

P.I. = STA. 201+79.56
Y = 488,502.12
X = 835,876.77
DELTA ANGLE = 15°46'19.56"
DEGREE OF CURVATURE = 07°15'09.36"
T. = 109.43'
L. = 217.47'
R. = 790.00'
P.C. = STA. 200+70.13
Y = 488,402.22
X = 835,832.12
P.T. = STA. 202+87.60
Y = 488,586.12
X = 835,946.90

BP: STA 200+00.00
Y = 488,338.19
X = 835,803.50

N24°04'59.98"E

N39°51'19.57"E

CITY OF MADISON (STORM SEWER)
STA. 652+53, LT
23' ASPHALT
DRIVEWAY REQ'D.
CLEARING & GRUBBING 4-INCH DIA.
CLEARING & GRUBBING 20-INCH DIA.
AT&T (TELEPHONE) (ABANDONED)
CLEARING & GRUBBING 18-INCH DIA.
ROOT PRUNING TREES
MMSD (FORCEMAIN)
CITY OF MADISON PARKS OLBRICH SOFTBALL DIAMONDS
502 WALTER ST
STA. 204+22, LT
13' ASPHALT
DRIVEWAY TO REMAIN
CITY OF MADISON (WATERMAIN)
SLOPE INTERCEPTS (TYP.)
STA. 205+57, LT
15' ASPHALT
DRIVEWAY TO REMAIN
MADISON METRO
SEWERAGE DISTRICT
STATION 6
402 WALTER ST
CITY OF MADISON (SANITARY)
CAPITAL CITY TRAIL
AT&T (TELEPHONE)
MG&E (GAS)
MG&E (OVERHEAD)
CITY OF MADISON (FIBER)
CITY OF MADISON (SANITARY)
MG&E (OVERHEAD)
WALTER STREET
JOHNS STREET
SARGENT STREET
SEE WALTER STREET
PLAN & PROFILE SHEET
652+00
ROBERT CAREY
505 WALTER ST
GRANT MOORE
JENNIFER MOORE
3501 SARGENT ST
BARBARA L
SEYMOUR
3504
SARGENT ST
LAURIE
SOLCHENBERGER
401 WALTER ST
OLBRICH BY THE LAKE
3528 ATWOOD

BEGIN CONSTRUCTION
STA. 200+00.00
Y = 488,338.19
X = 835,803.50

END CONSTRUCTION
STA. 206+17.00
Y = 488,838.99
X = 836,158.00

0+00.00 201+00.00 202+00.00 203+00.00 204+00.00 205+00.00 206+00.00

VCL = 50.00
K = 21.00
VCL = 30.00
K = 11.89
VCL = 20.00
K = 33.22
VCL = 100.00
K = 43.11

FINISHED ℄ PROFILE
EXISTING ℄ PROFILE

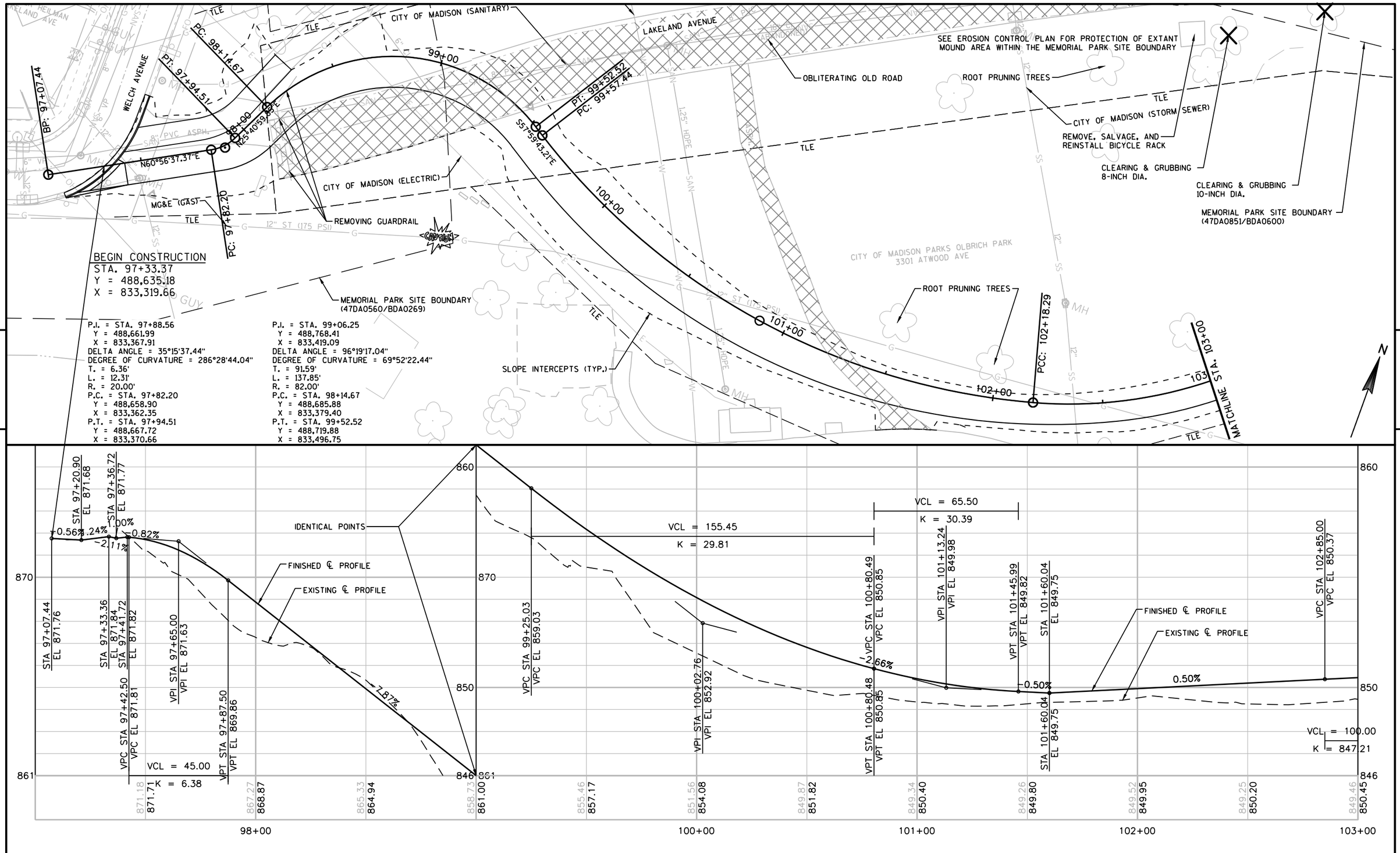
STA 200+00.00 EL 850.52
VPC STA 200+04.75 VPC EL 850.37
VPI STA 200+29.75 VPI EL 849.64
VPT STA 200+54.75 VPT EL 849.49
VPC STA 200+82.06 VPC EL 849.34
VPI STA 200+97.06 VPI EL 849.25
VPT STA 201+12.06 VPT EL 849.54
VPC STA 201+62.31 VPC EL 850.52
VPI STA 201+72.31 VPI EL 850.72
VPT STA 201+82.31 VPT EL 850.85
STA 202+87.17 EL 852.27
STA 203+21.96 EL 852.43
STA 204+33.68 EL 853.61
VPC STA 204+68.94 VPC EL 853.92
VPI STA 205+18.94 VPI EL 854.35
VPT STA 205+68.94 VPT EL 855.94
STA 205+81.79 EL 856.35
STA 206+20.00 EL 857.16

-2.95%
-0.57%
1.95%
1.35%
0.48%
1.05%
0.87%
3.19%
2.10%

850.52 850.52
849.53 849.53
849.37 849.37
850.28 850.28
851.09 851.09
851.77 851.77
852.33 852.33
852.73 852.73
853.25 853.25
853.75 853.75
854.30 854.30
855.38 855.38
856.74 856.74

PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	PLAN AND PROFILE: WALTER STREET MULTI-USE PATH	SHEET 395	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050112-pp
PLOT DATE : 10/31/2022 10:59 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN: 40 FT

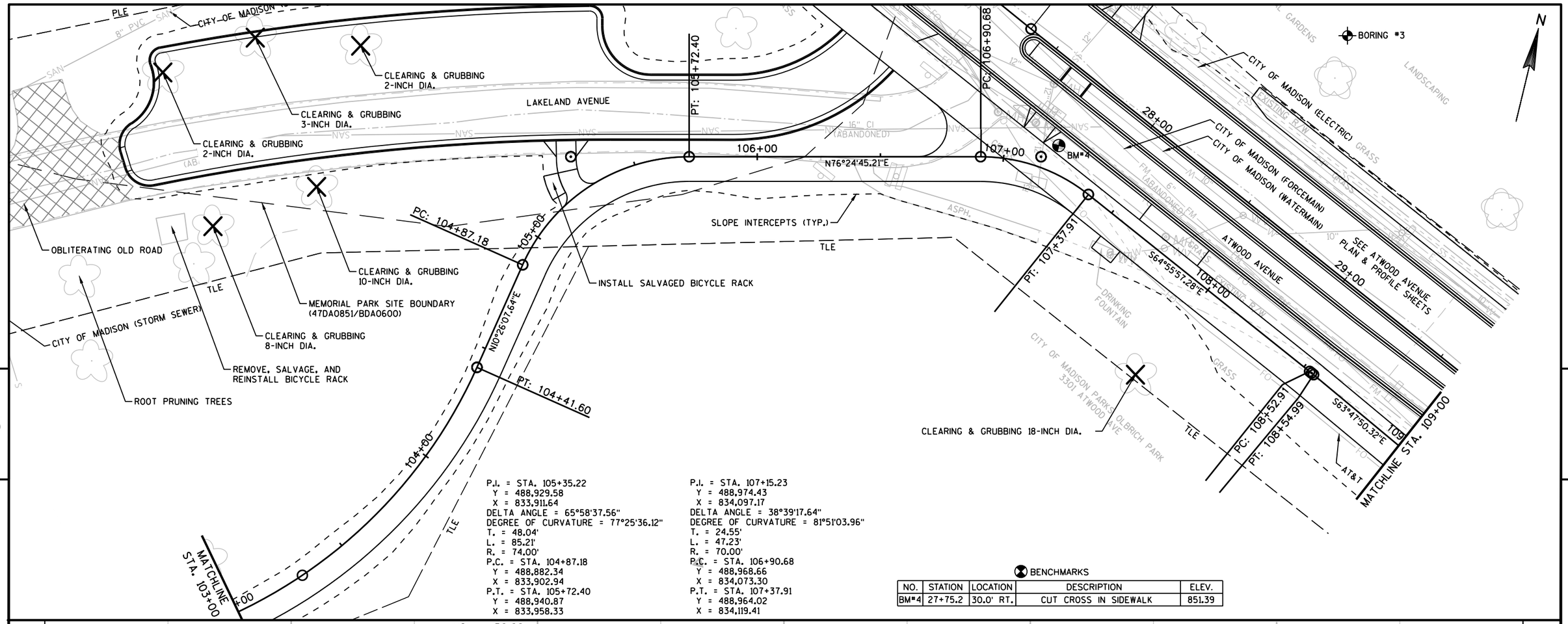


PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	PLAN AND PROFILE: LAKELAND AVENUE MULTI-USE PATH	SHEET 396 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050113-pp

PLOT DATE : 9/13/2022 7:03 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

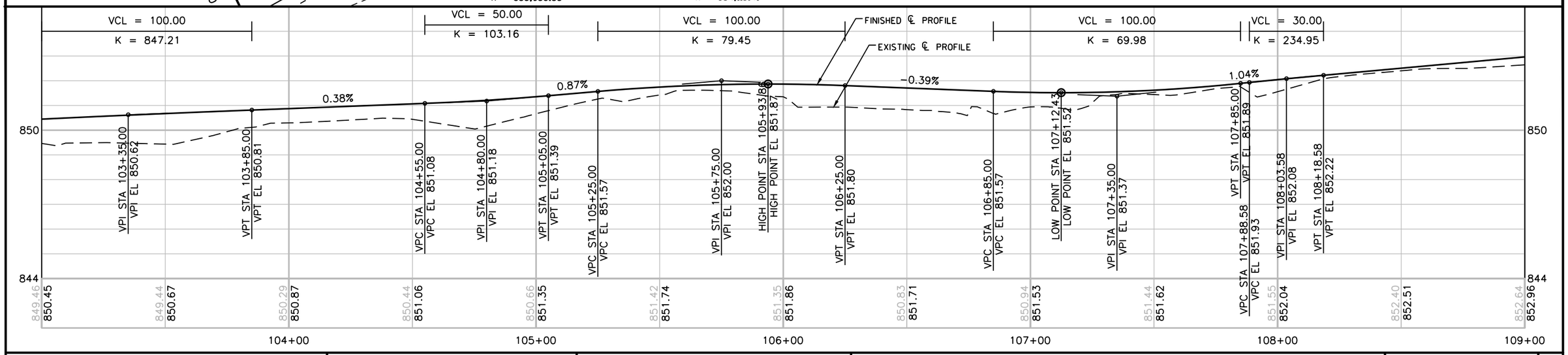


P.I. = STA. 105+35.22
Y = 488,929.58
X = 833,911.64
DELTA ANGLE = 65°58'37.56"
DEGREE OF CURVATURE = 77°25'36.12"
T. = 48.04'
L. = 85.21'
R. = 74.00'
P.C. = STA. 104+87.18
Y = 488,882.34
X = 833,902.94
P.T. = STA. 105+72.40
Y = 488,940.87
X = 833,958.33

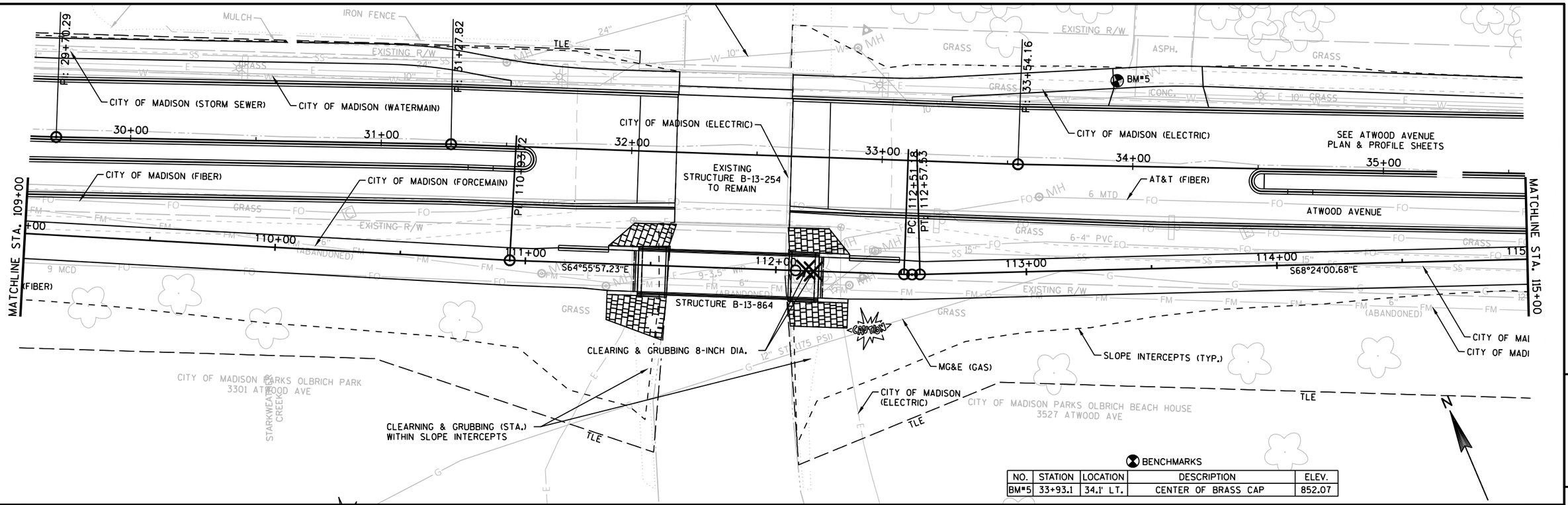
P.I. = STA. 107+15.23
Y = 488,974.43
X = 834,097.17
DELTA ANGLE = 38°39'17.64"
DEGREE OF CURVATURE = 81°51'03.96"
T. = 24.55'
L. = 47.23'
R. = 70.00'
P.C. = STA. 106+90.68
Y = 488,968.66
X = 834,073.30
P.T. = STA. 107+37.91
Y = 488,964.02
X = 834,119.41

BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM#4	27+75.2	30.0' RT.	CUT CROSS IN SIDEWALK	851.39

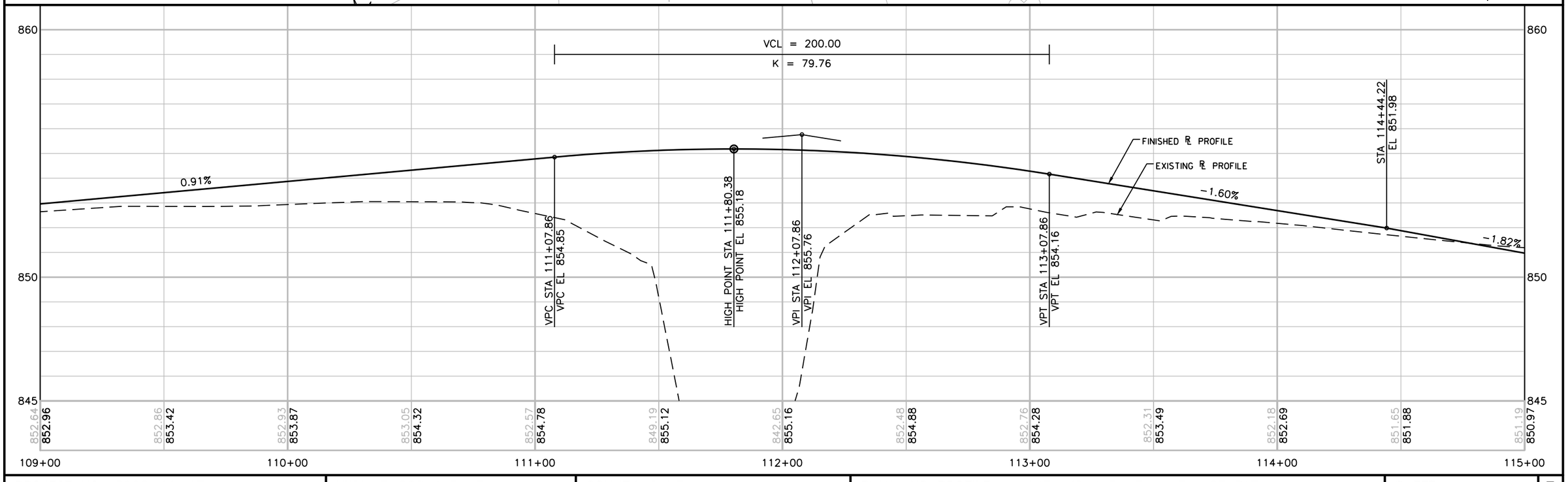


PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	PLAN AND PROFILE: LAKELAND AVENUE MULTI-USE PATH	SHEET 397	E

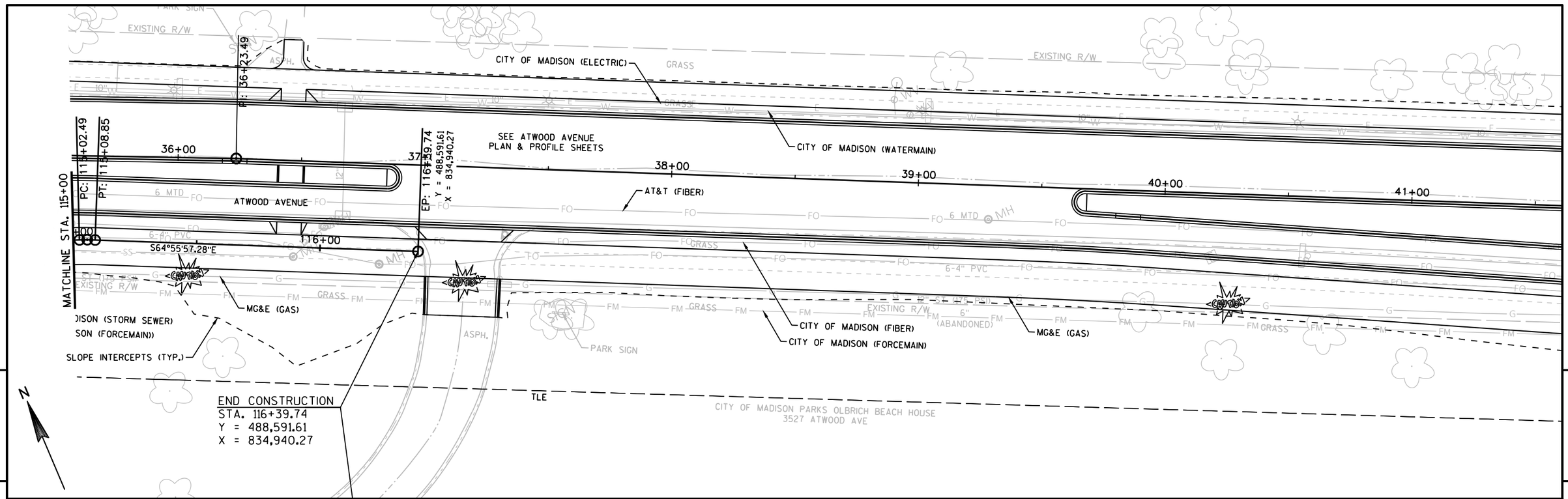


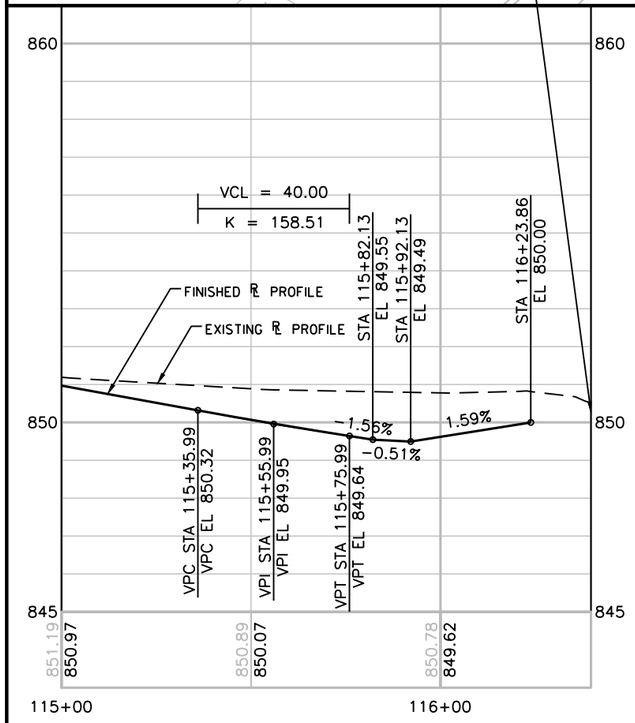
BENCHMARKS

NO.	STATION	LOCATION	DESCRIPTION	ELEV.
BM*5	33+93.1	34.1' LT.	CENTER OF BRASS CAP	852.07



PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	PLAN AND PROFILE: LAKELAND AVENUE MULTI-USE PATH	SHEET 398 E





PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	PLAN AND PROFILE: LAKELAND AVENUE MULTI-USE PATH	SHEET 399	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050116-pp

PLOT DATE : 9/13/2022 7:03 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

Standard Detail Drawing List

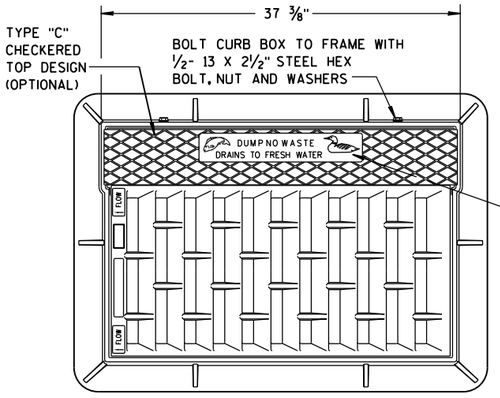
08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08B10-02	MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
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
08D16-11	CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES
08D18-03	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08D19-03	DRIVEWAY AND SIDEWALK RAMPS TYPE Z
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E11-02	TURBIDITY BARRIER
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
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09F08-04	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW ASPHALTIC PAVEMENT)
09G01-04A	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04B	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
11B02-02	CONCRETE MEDIAN NOSE
12A03-10	NAME PLATE (STRUCTURES)
13B02-09A	CONCRETE PAVEMENT APPROACH SLAB
14B07-16A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16I	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16J	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16K	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16L	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16M	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16N	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
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
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15E	PAVEMENT MARKING FOR BIKE LANES
15C08-22A	LONGITUDINAL MARKING (MAINLINE)
15C08-22B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-22C	PAVEMENT MARKING (TURN LANES)
15C08-22D	PAVEMENT MARKING (TURN LANES)

6

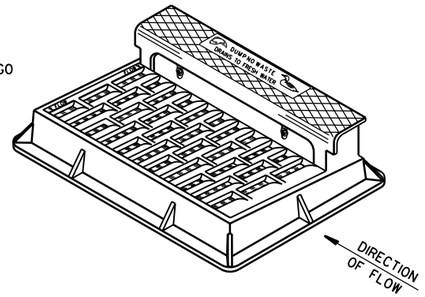
Standard Detail Drawing List

15C11-09A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-06A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-06B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C20-02	YIELD MARKING
15C29-07A	BICYCLE LANE MARKING
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-05A	PAVEMENT MARKING (INTERSECTIONS)
15D12-10A	TRAFFIC CONTROL, LANE CLOSURE
15D20-06A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D30-07A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-07C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07H	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

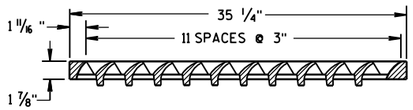
6

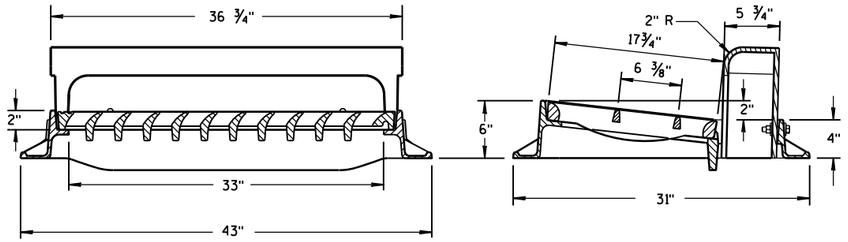


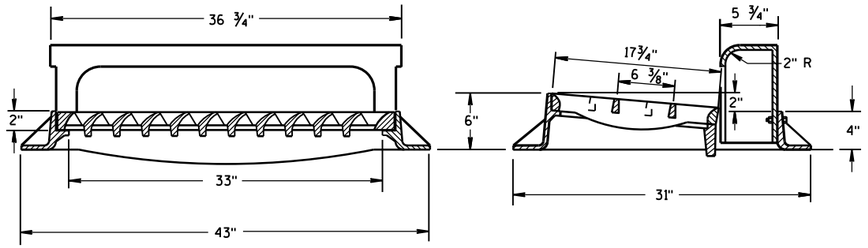
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

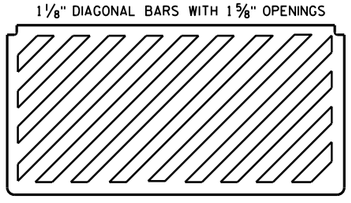






TYPE "H"

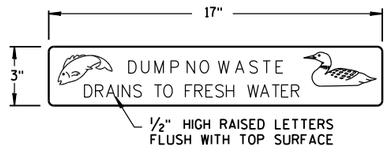
NOTE: EITHER CASTING IS ACCEPTABLE



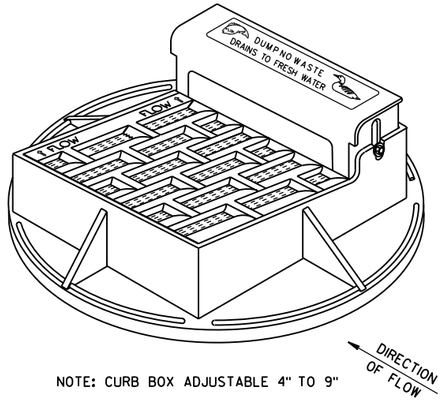
SPECIAL GRATE FOR TYPE "H" COVER

(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"

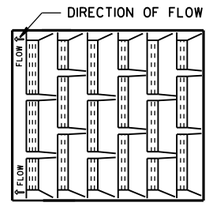
NOTE:
GRATE IS REVERSIBLE.

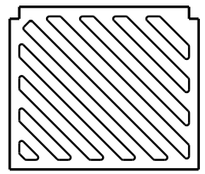
GENERAL NOTES

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.

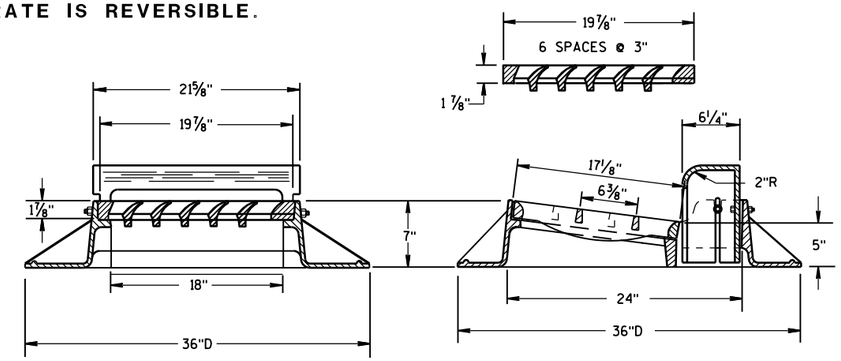




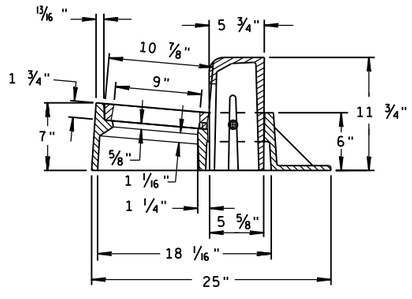
SPECIAL GRATE FOR TYPE "A" COVER

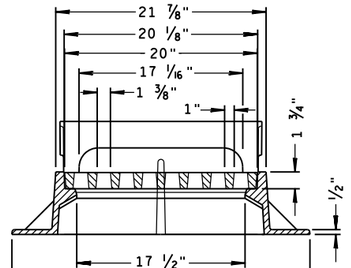
(MEASURES 19 3/4" X 17" X 1 7/8")

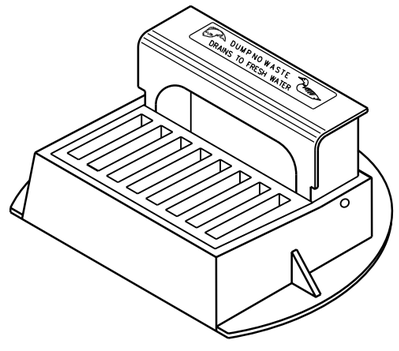
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"







TYPE "Z"

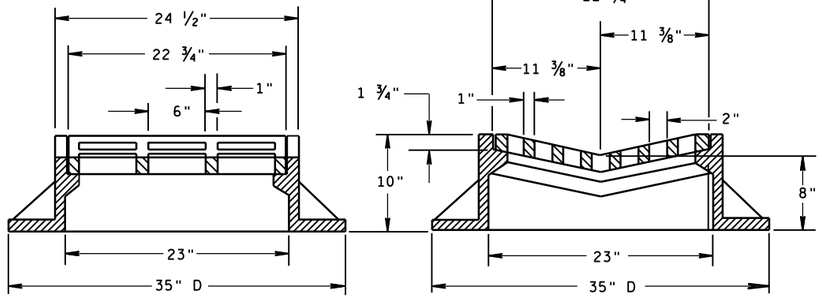
INLET COVERS
TYPE A, H, A-S, H-S & Z

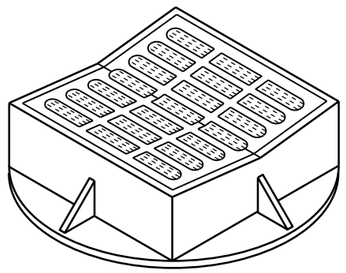
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

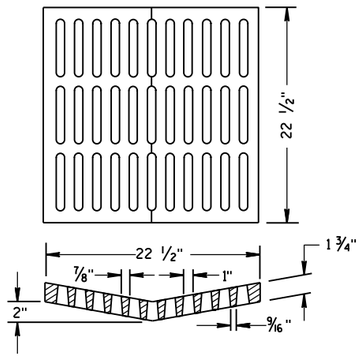
6

S.D.D. 8 A 5-19a



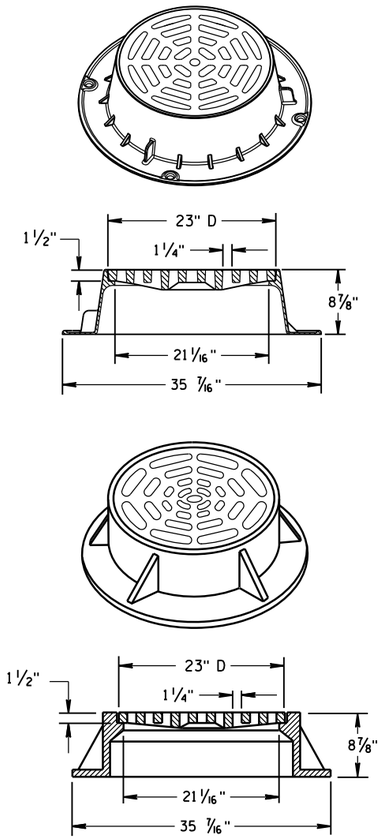


TYPE "B"



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"

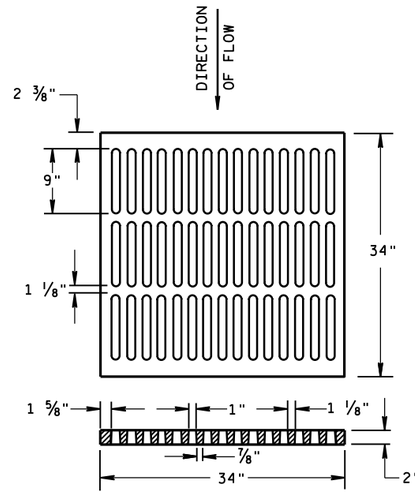
NOTE: EITHER CASTING IS ACCEPTABLE

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.

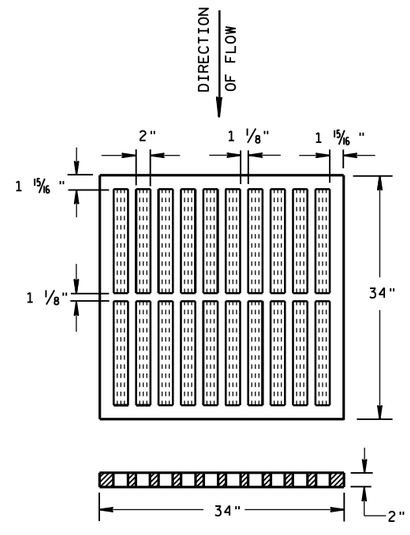
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



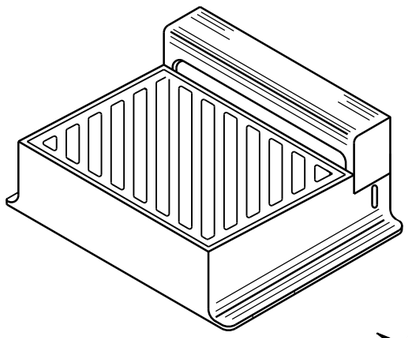
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

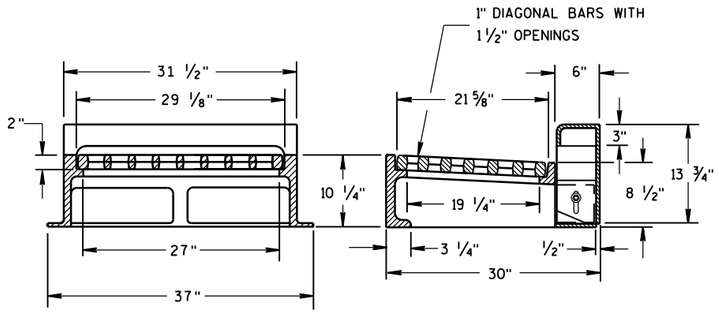


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



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"

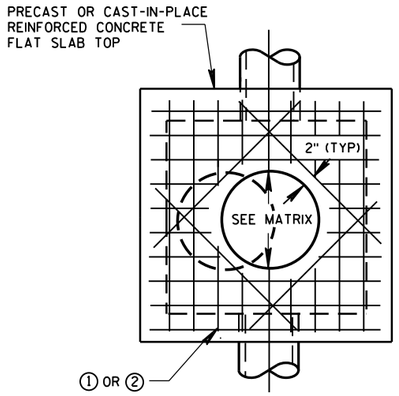
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

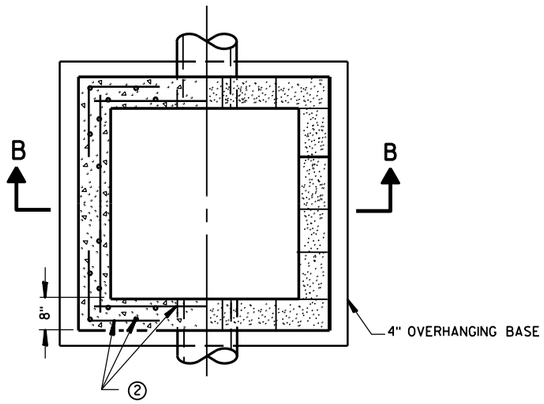
APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

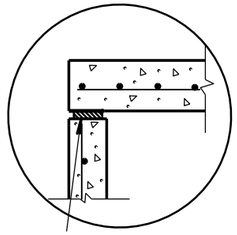
S.D.D. 8 A 5-19b



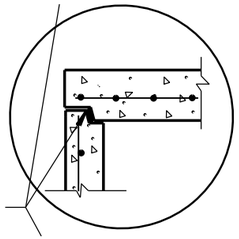
PLAN VIEW
CIRCULAR OPENING



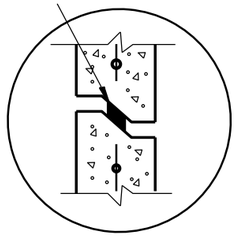
SECTION A-A
PLAN VIEW



TOP WITH PLAIN END JOINT

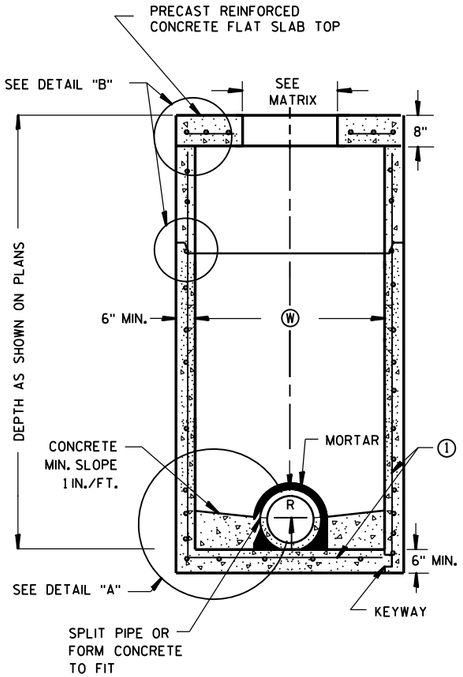


TOP WITH TONGUE AND GROOVE JOINT

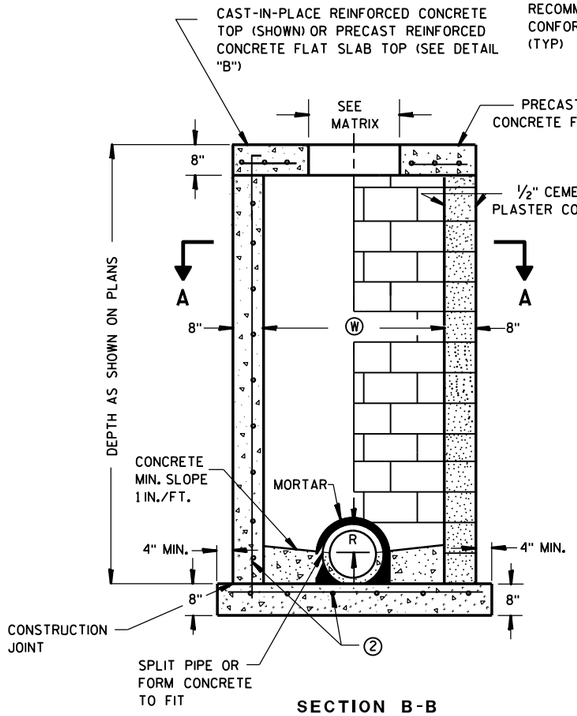


RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

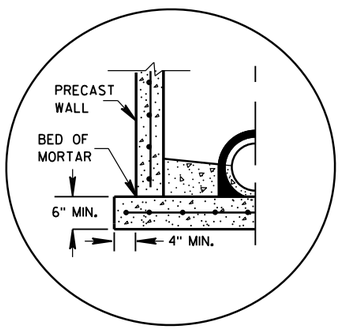


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

CAST-IN-PLACE REINFORCED CONCRETE

SECTION B-B

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "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.

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 FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

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.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN WIDTH.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

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.

MAXIMUM PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "C". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

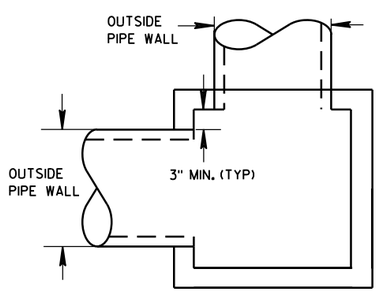
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (W) (IN)	LENGTH (L) (IN)
3X3-FT	24	24
4X4-FT	30	30
5X5-FT	42	42
6X6-FT	54	54



DETAIL "C"

SQUARE MANHOLES W/ FLAT TOP

MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT

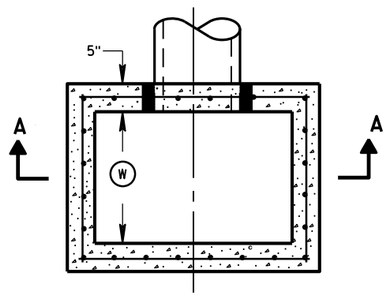
MANHOLES 3X3-FT, 4X4-FT 5X5-FT AND 6X6-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

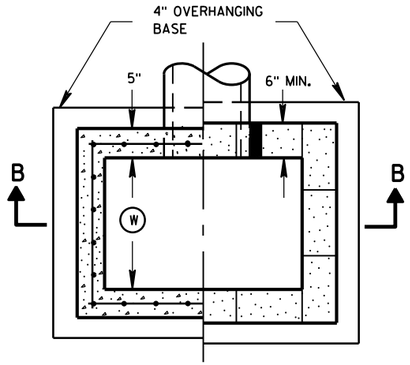
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

6

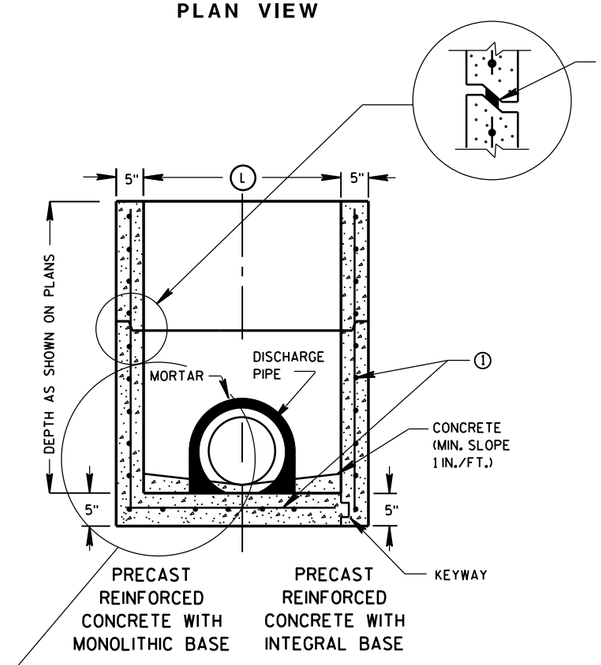
S.D.D. 8 B 10-2



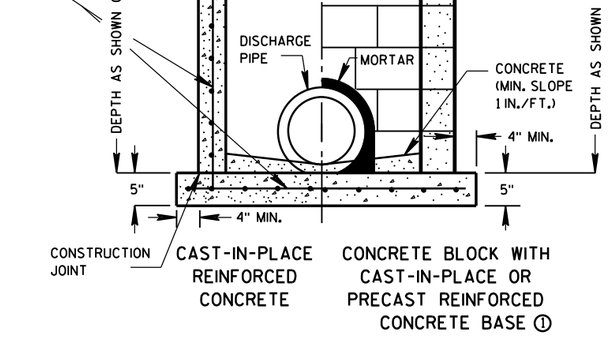
PLAN VIEW



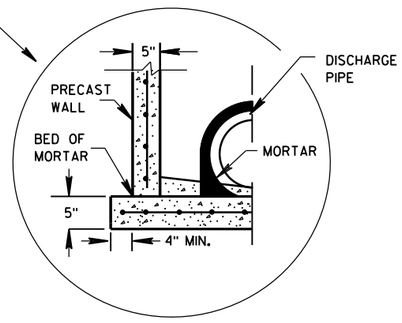
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

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 UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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.

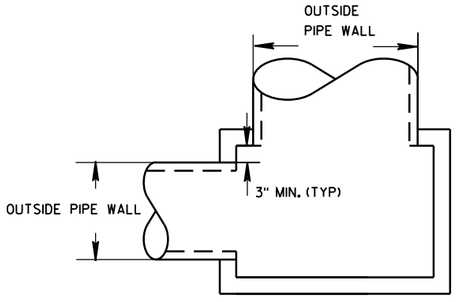
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

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
ROADWAY STANDARDS D IT
UNIT SUPERVIS
FHWA

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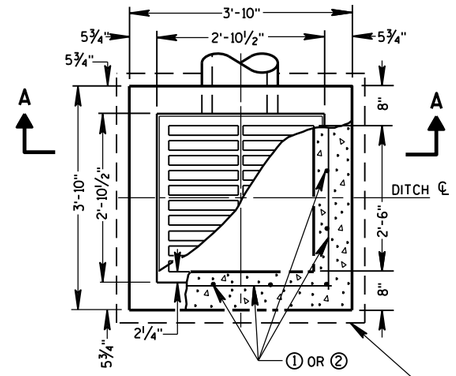
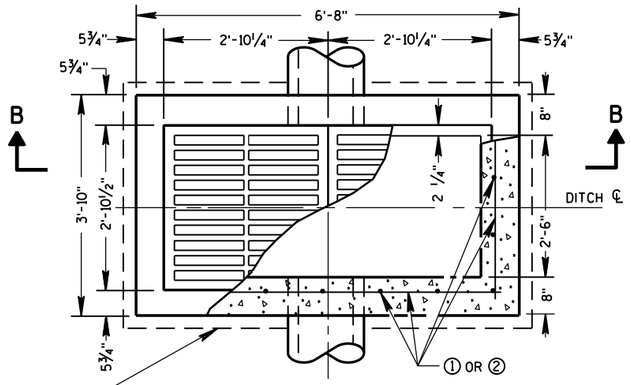
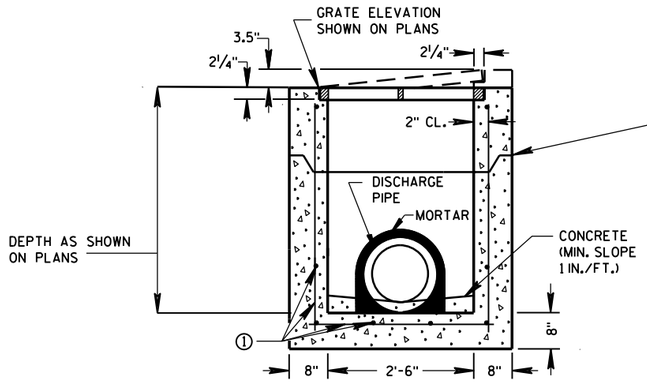


PLAN VIEW

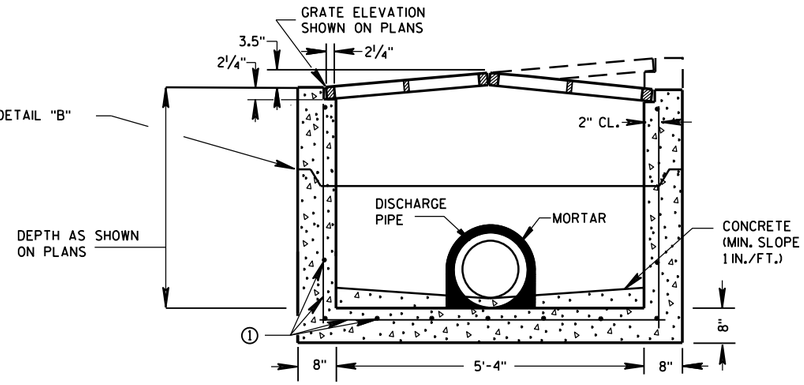


PLAN VIEW

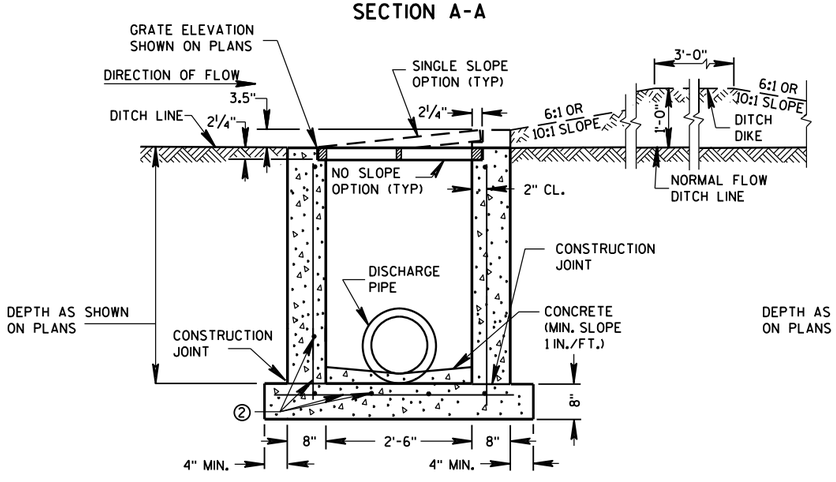
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



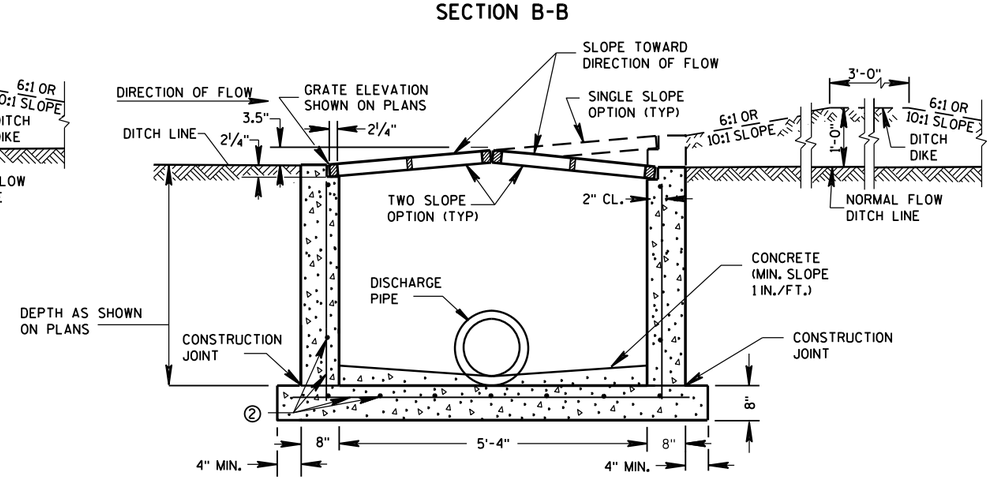
PRECAST REINFORCED CONCRETE SECTION A-A



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.

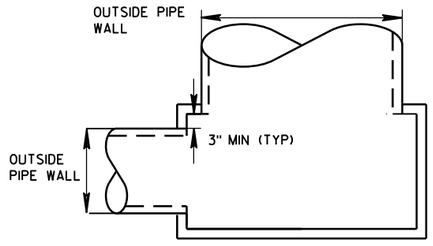
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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.

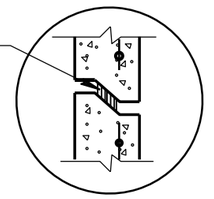
PIPE MATRIX

	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
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Sept., 2016 — DATE
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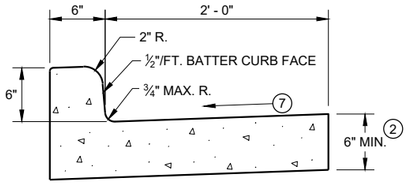
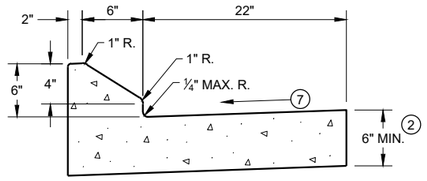
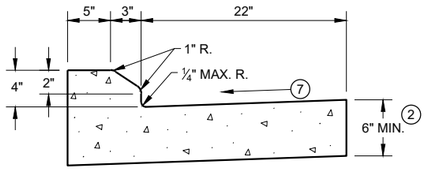


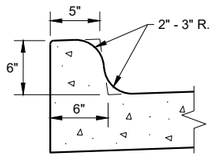
TYPES A[1] & D



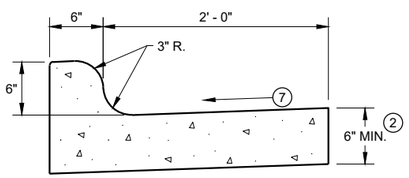
6" SLOPED CURB TYPES G[1] & J



4" SLOPED CURB TYPES G[1] & J

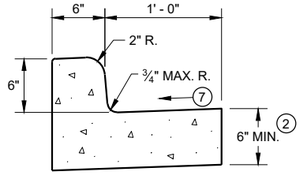


TYPES K[1] & L
(OPTIONAL CURB SHAPE)



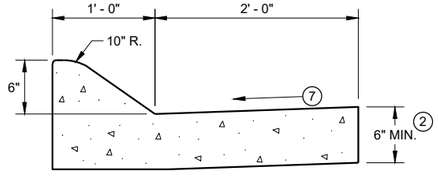
TYPES K[1] & L

CONCRETE CURB AND GUTTER 30"



TYPES A[1] & D

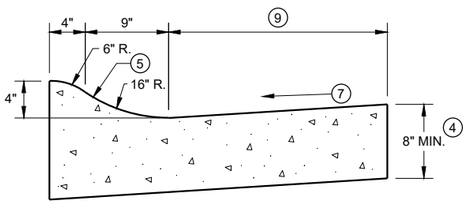
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A[1] & D

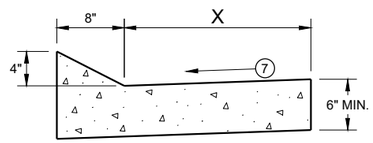
4" SLOPED CURB TYPES A[1] & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R[1] & T

TBT & TBTT	X
30"	22"
36"	28"

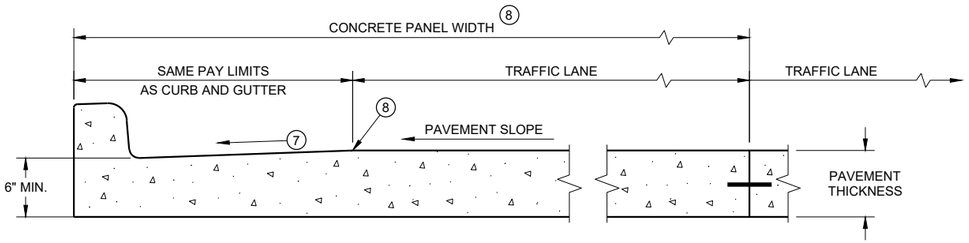


TYPES TBT & TBTT[1]

CONCRETE CURB AND GUTTER

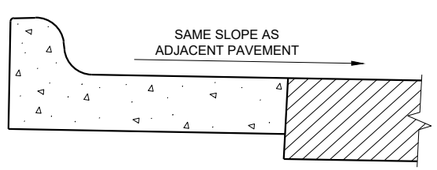
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

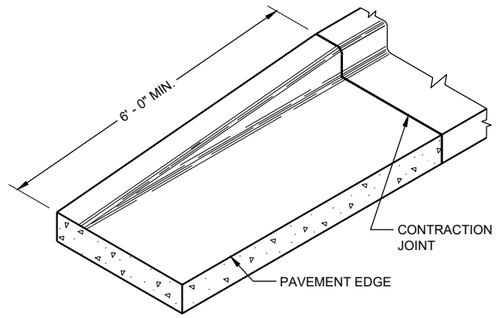
INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

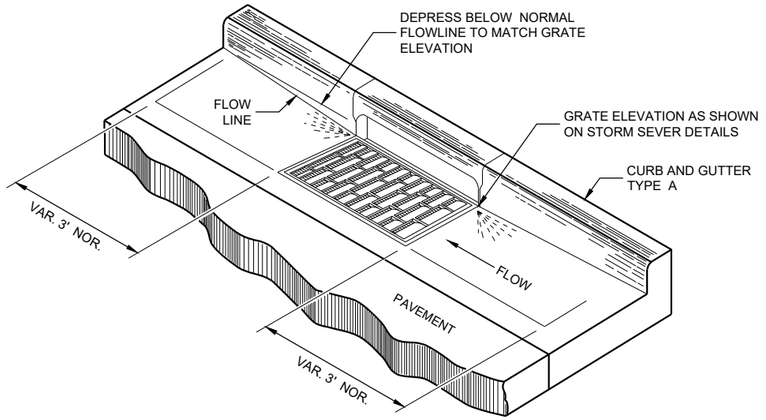
1. TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.
2. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
3. USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH 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

SDD 08D01 - 22a
6



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.

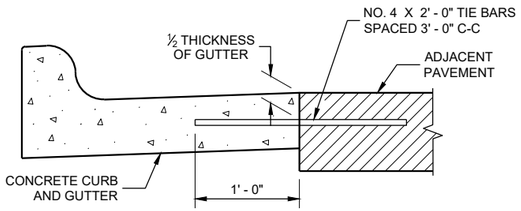
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

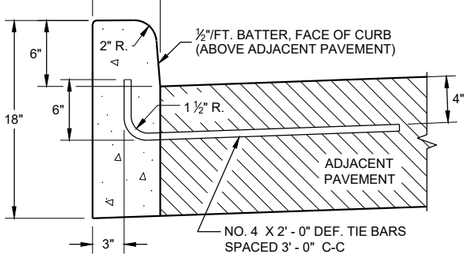
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(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.

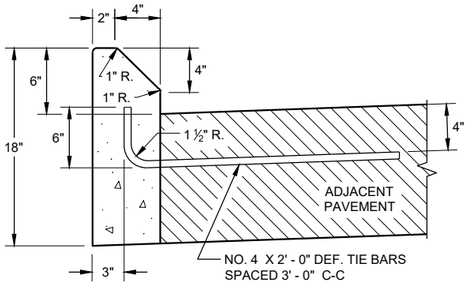
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

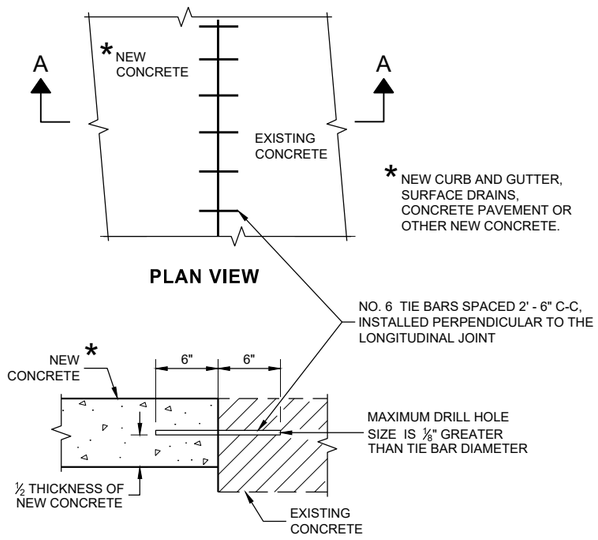


TYPES A (1) & D



TYPES G (1) & J

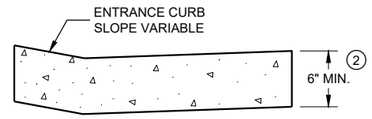
CONCRETE CURB



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

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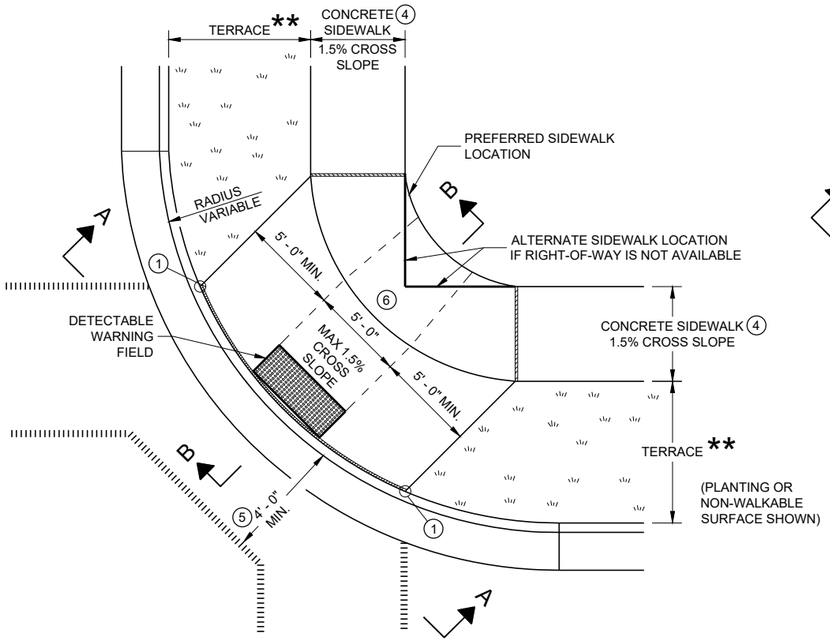
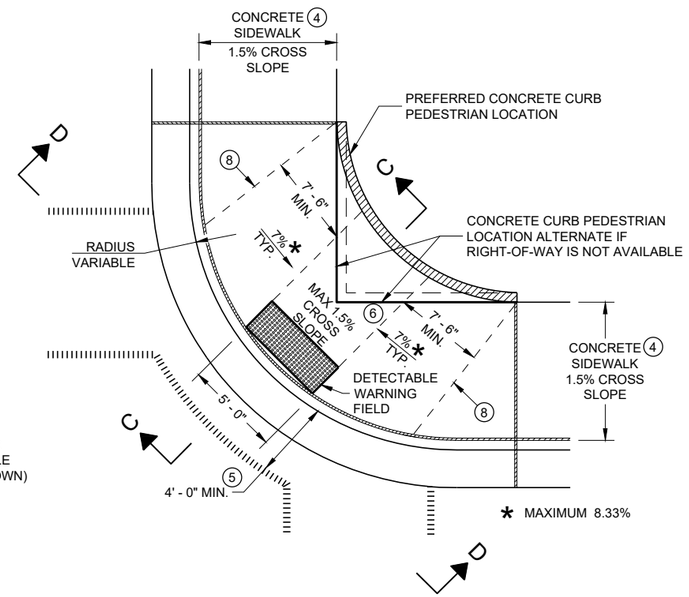
SDD08D01 - 22b



PLAN VIEW

CURB RAMP TYPE 1

(CENTER OF CORNER RADIUS)



PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

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.

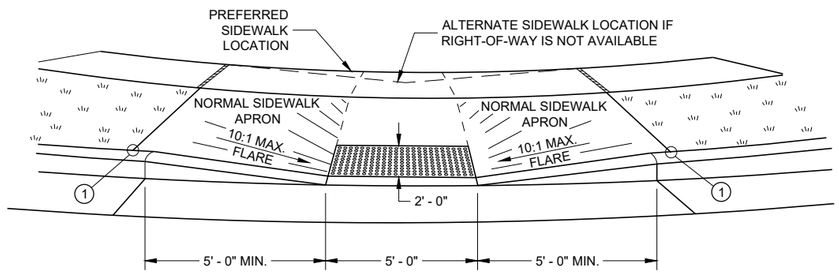
(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

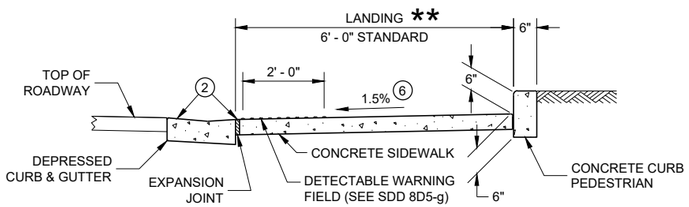
(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(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.

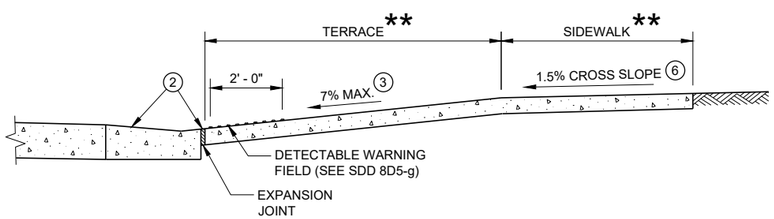


VIEW A - A FOR TYPE 1

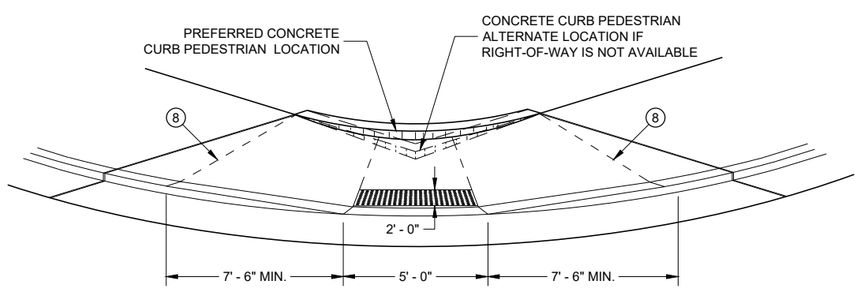


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

LEGEND

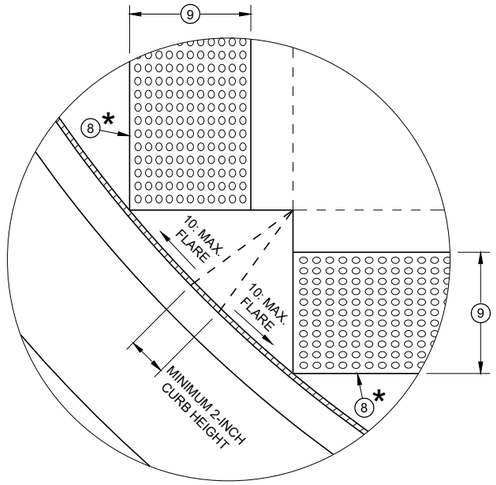
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 1 AND 1-A

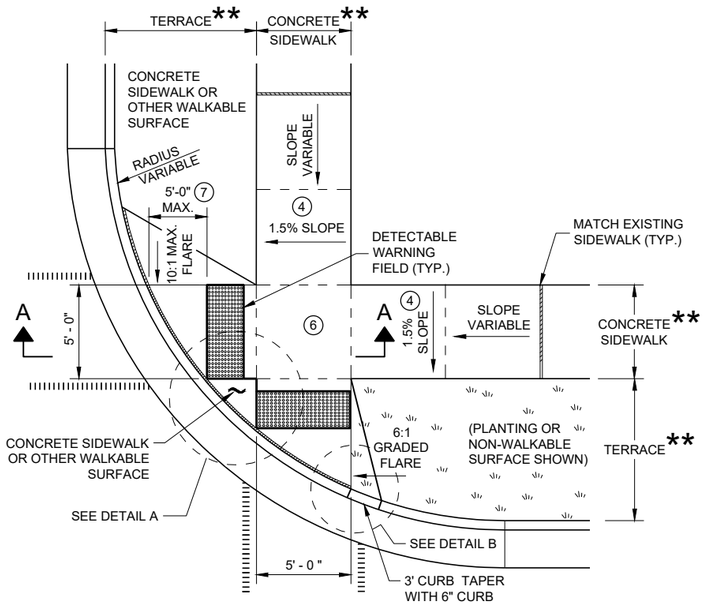
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20a



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.

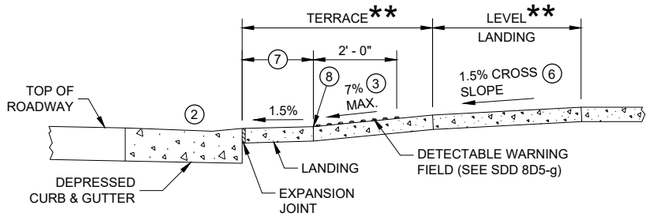
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(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.

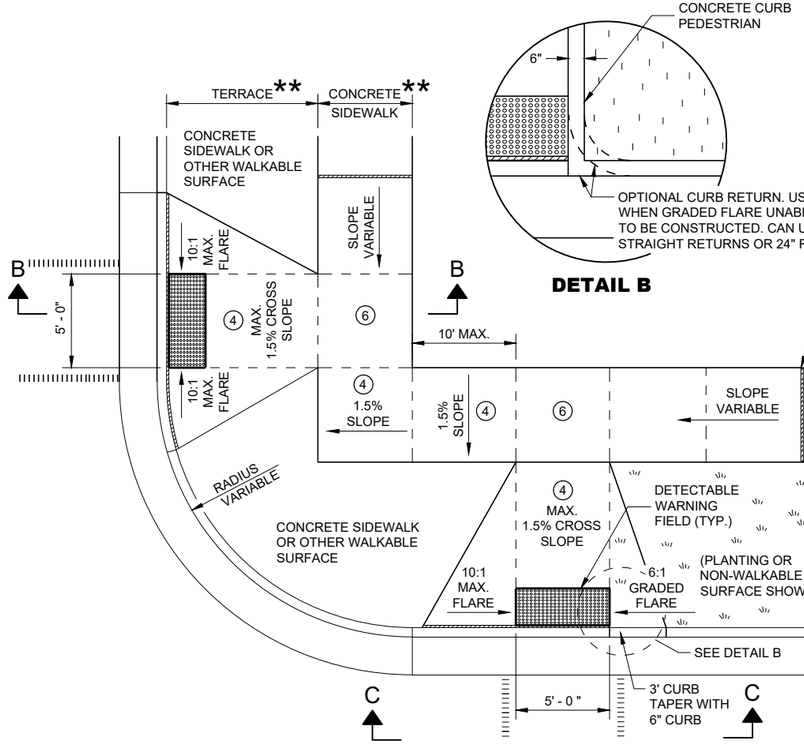
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

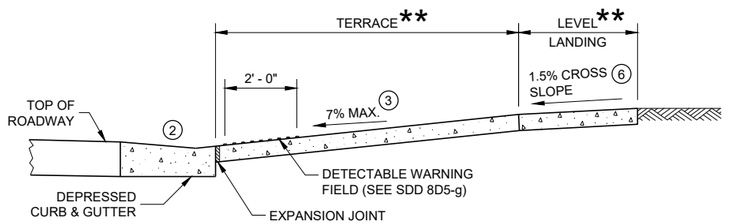
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

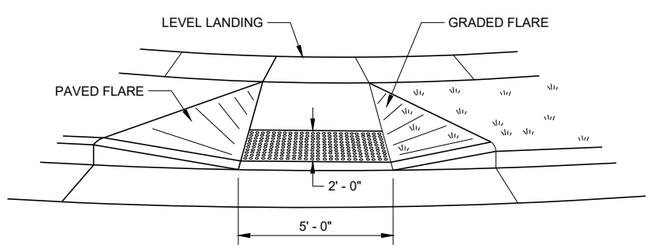


DETAIL B

PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3

LEGEND

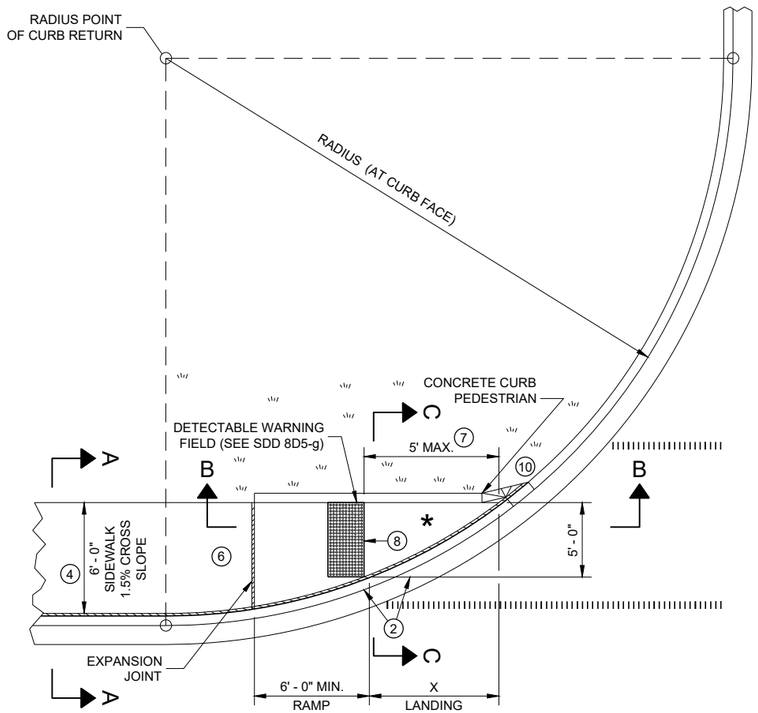
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20b

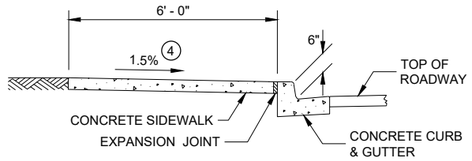


PLAN VIEW

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.

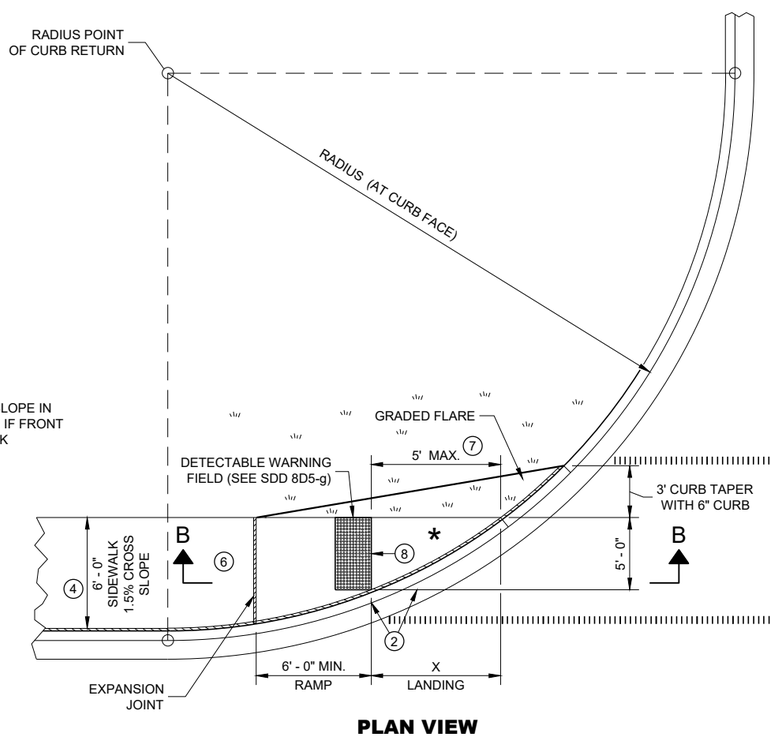
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

½" EXPANSION JOINT SIDEWALK

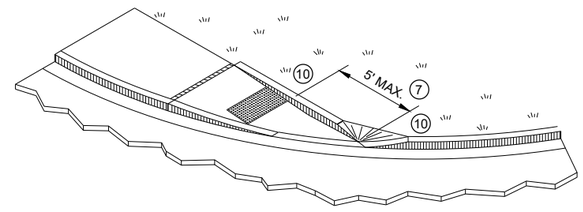
CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)

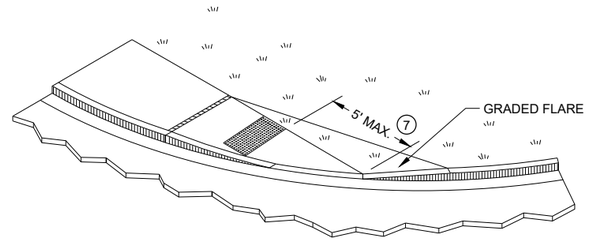


PLAN VIEW

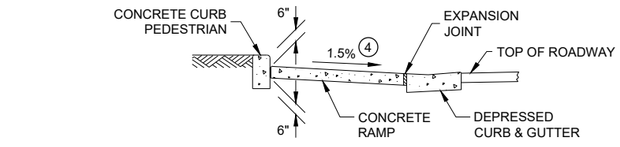
CURB RAMP TYPE 4A1



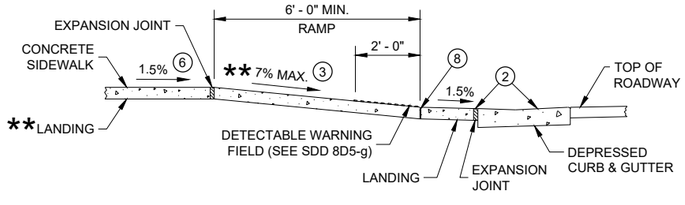
ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1



SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

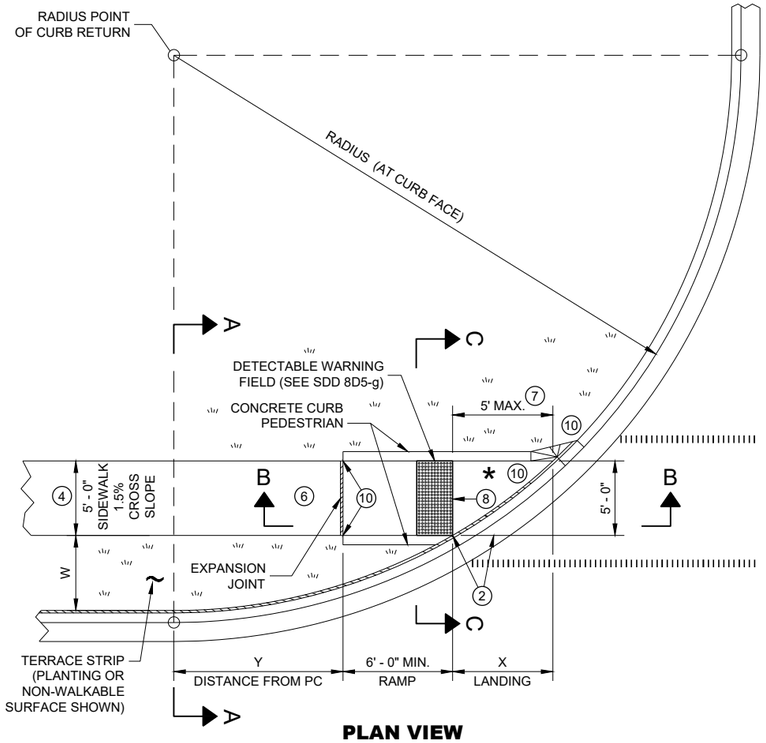
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

CURB RAMPS TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20c

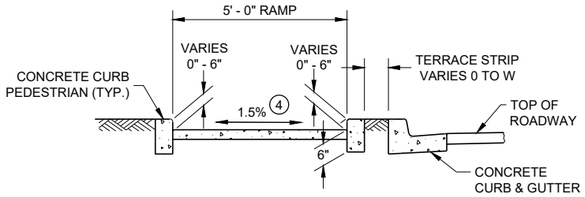


PLAN VIEW

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



SECTION C - C FOR TYPE 4B

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.

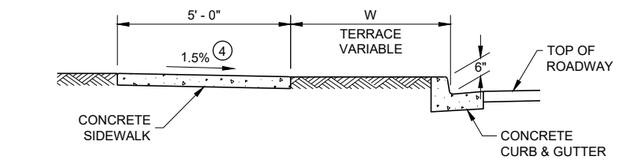
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

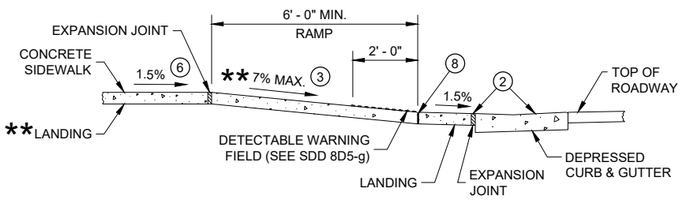
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



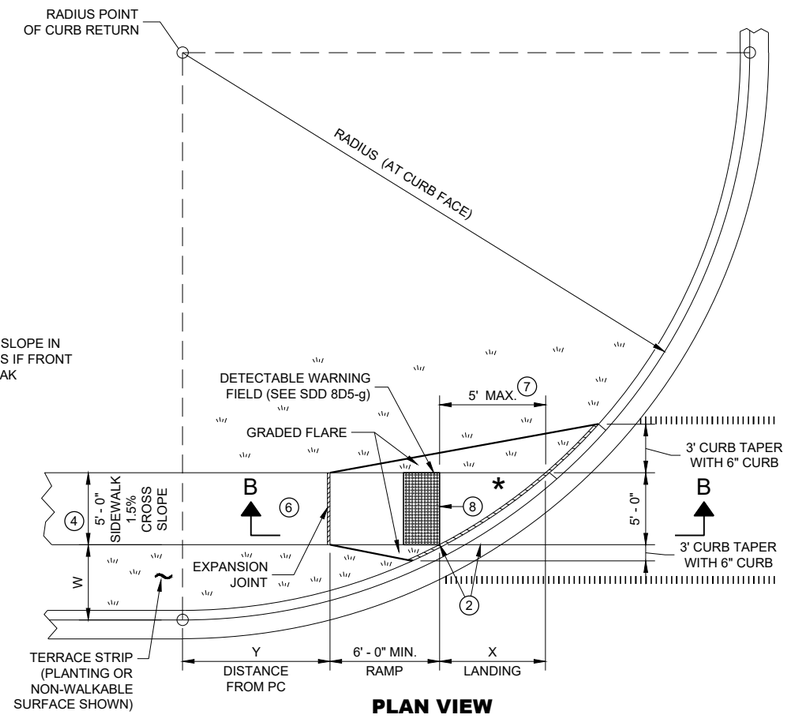
SECTION A - A FOR TYPE 4B



** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

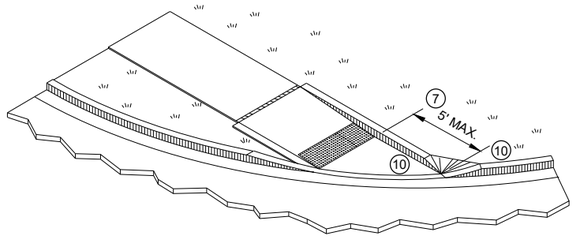
SECTION B - B FOR TYPE 4B AND TYPE 4B1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

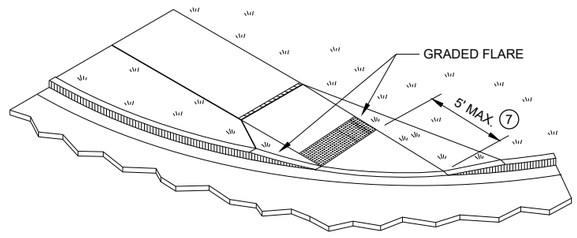


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



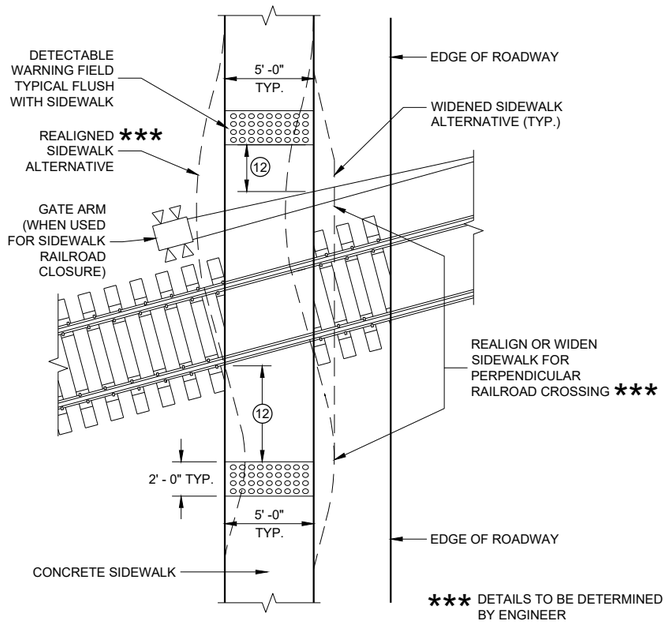
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

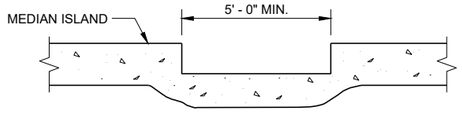
6

SDD 08D05 - 20d

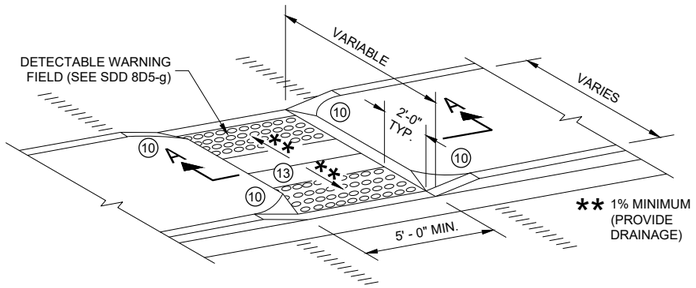


CURB RAMP TYPE 8

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 ½ - 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.

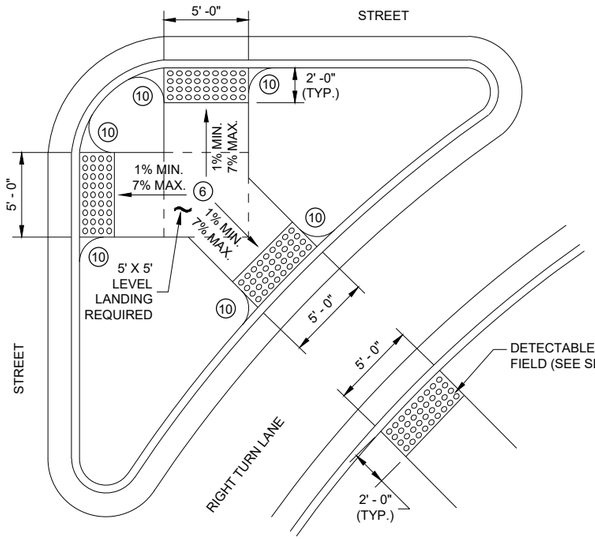
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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

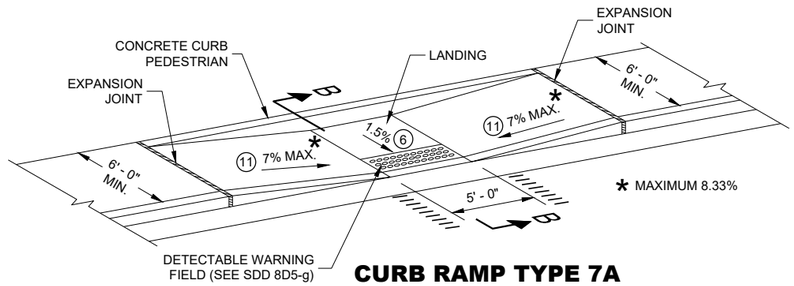
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

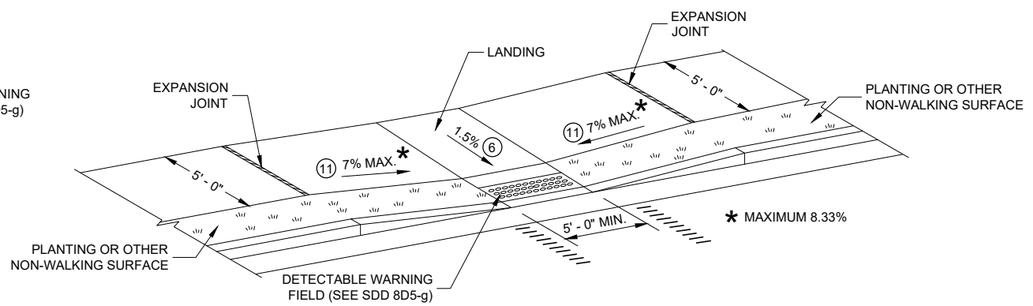
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

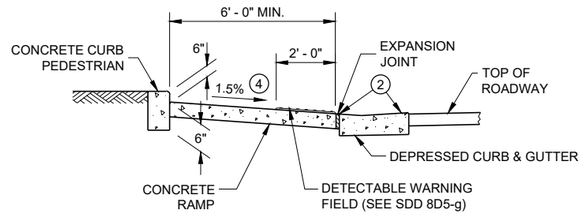
MID BLOCK CROSSING



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

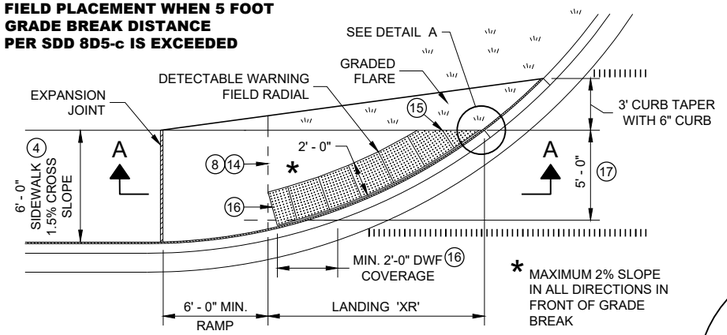
CURB RAMPS
TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05 - 20e

SDD 08D05 - 20e

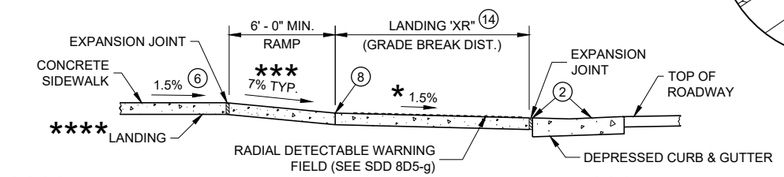
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

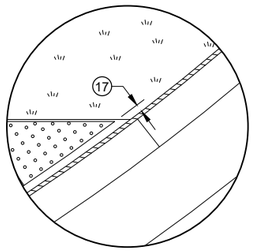
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** 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.

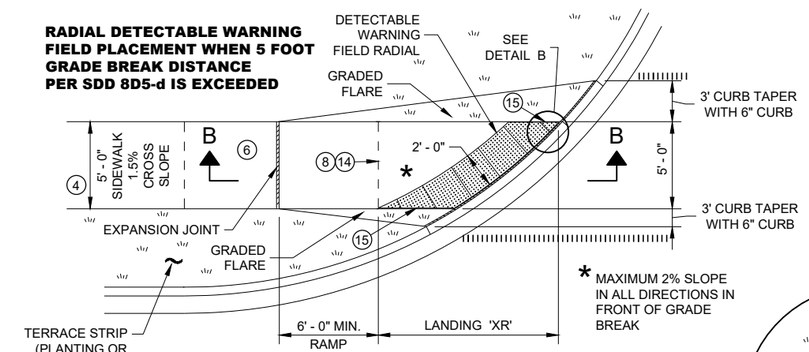
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(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.

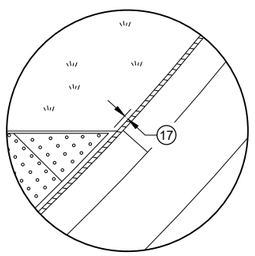
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



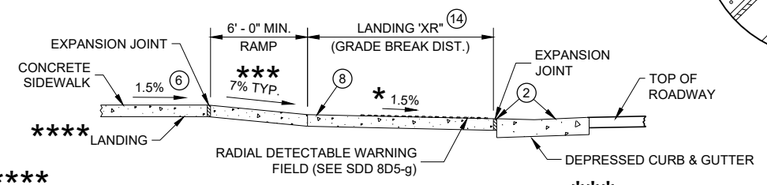
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

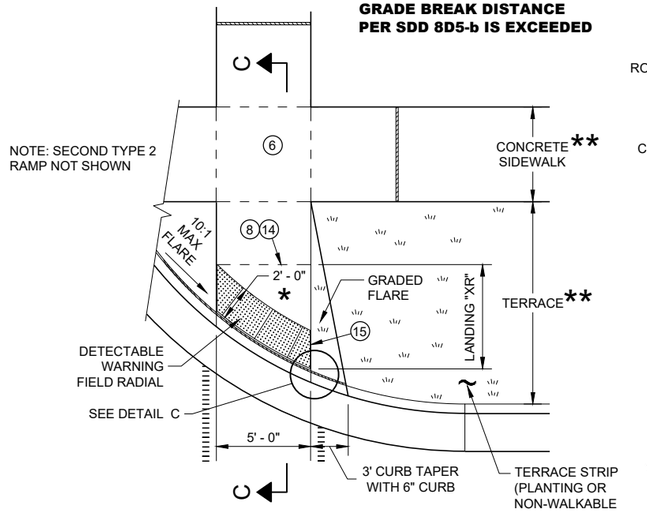


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** 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

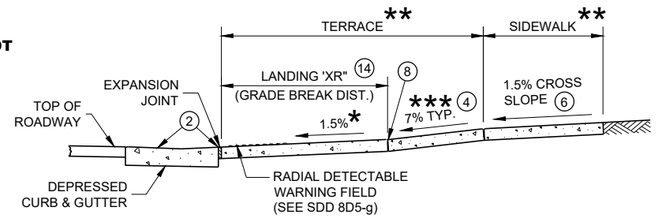


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

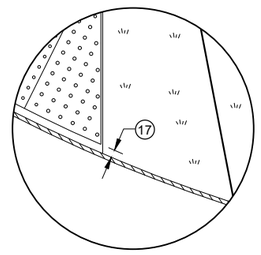


SECTION C - C FOR TYPE 2

* 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

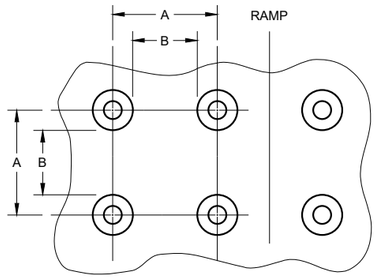
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05 - 20f

SDD 08D05 - 20f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

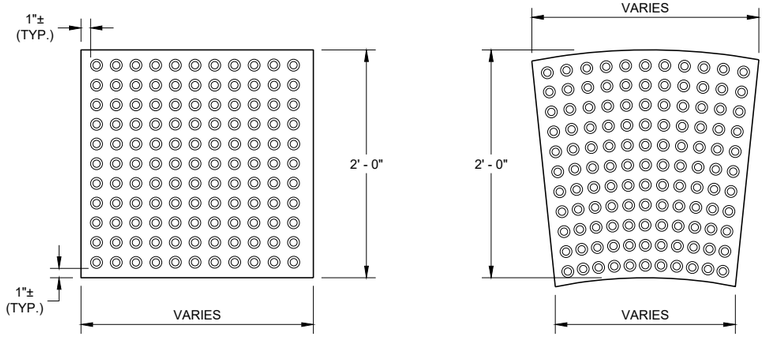
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



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.

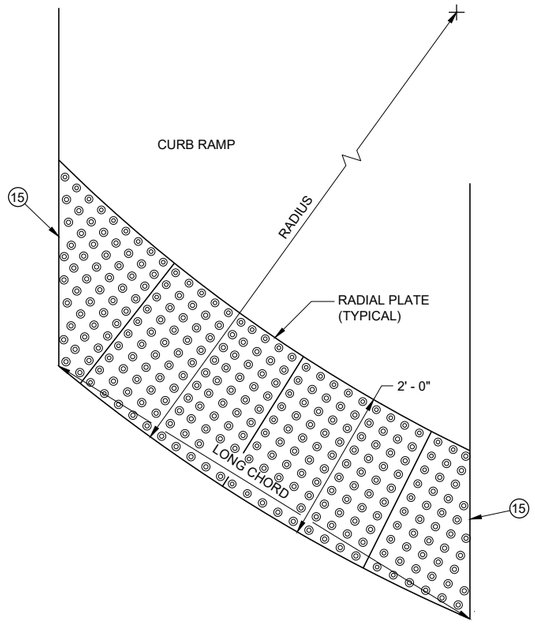
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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.

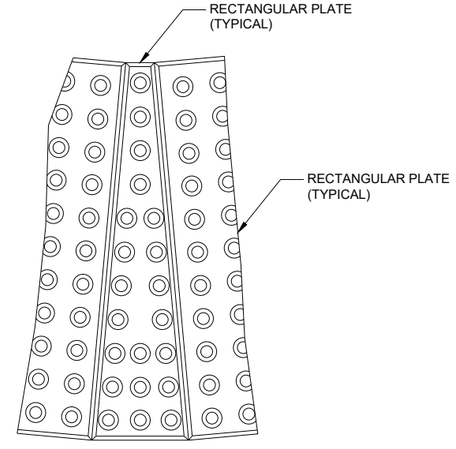
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

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

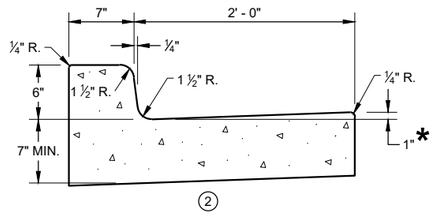
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

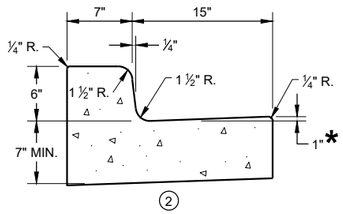
6

SDD 08D05 - 20g

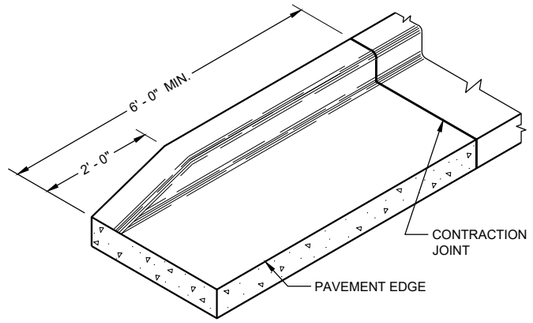


CONCRETE CURB AND GUTTER 31" ①

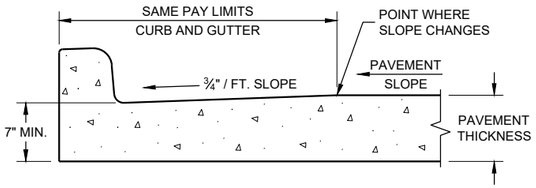
*TO BE MEASURED TO A MAXIMUM OF 3" WHERE DRAINAGE PROBLEMS EXIST.



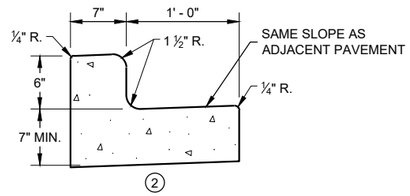
CONCRETE CURB AND GUTTER 22" ①



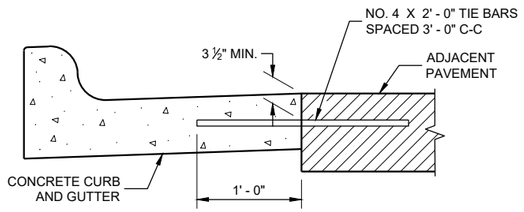
END SECTIONCURB AND GUTTER



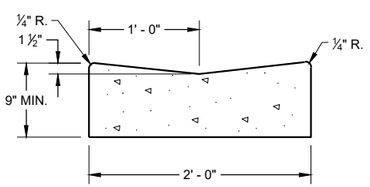
PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB AND GUTTER



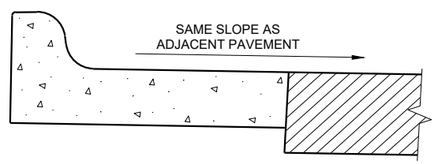
CONCRETE CURB AND GUTTER 19" ①



TYPICAL TIE BAR LOCATION ①



CONCRETE GUTTER 24" ①



HIGH SIDE SECTION ③

(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.

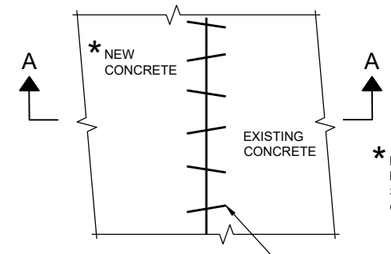
INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE COURSE AND UNCLASSIFIED EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

① WHEN PLACED ADJACENT TO NEW CONCRETE, TIE BARS ARE REQUITED FOR CURB AND GUTTER 31", 22", 19" AND CONCRETE GUTTER 24".

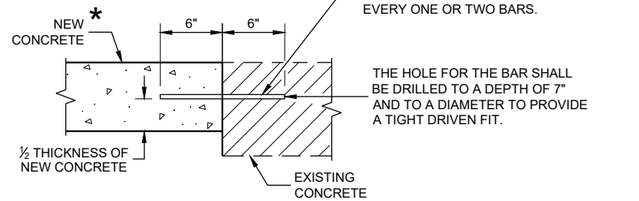
② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE COURSE PROVIDED A 7" MINIMUM GUTTER THICKNESS IS MAINTAINED.

③ WHEN HIGH SIDE CURB SECTION IS REQUIRED, THE LOCATION(S) WILL BE NOTED ON THE PLANS



PLAN VIEW

*EXISTING AND NEW CONCRETE MAY BE CURB AND GUTTER, SURFACE DRAINS, PAVEMENT OR OTHER CONCRETE STRUCTURE.



SECTION A - A

PAVEMENT TIES

CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES

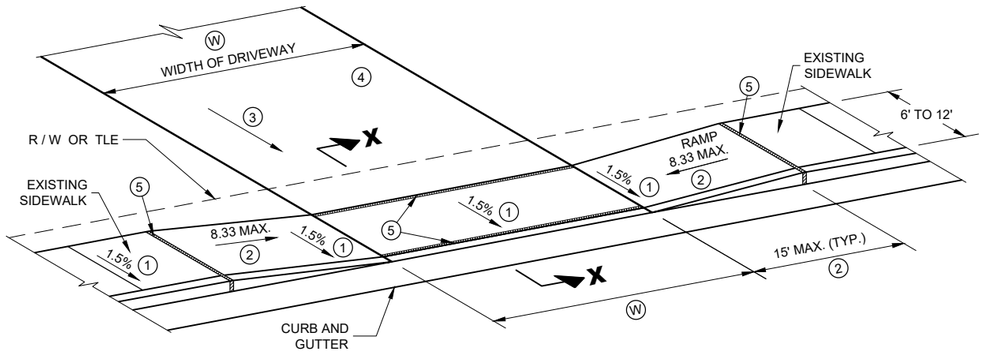
(For Optional use in Milwaukee Co. Only)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

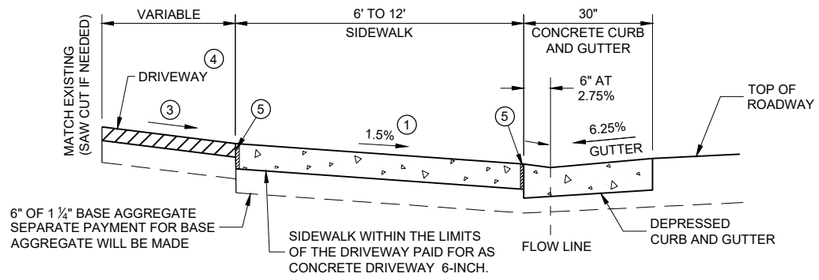
APPROVED
February 2020 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

6

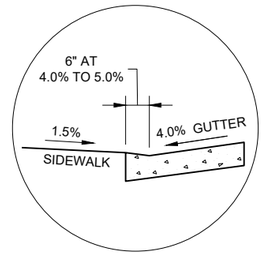
SDD 08D16 - 11



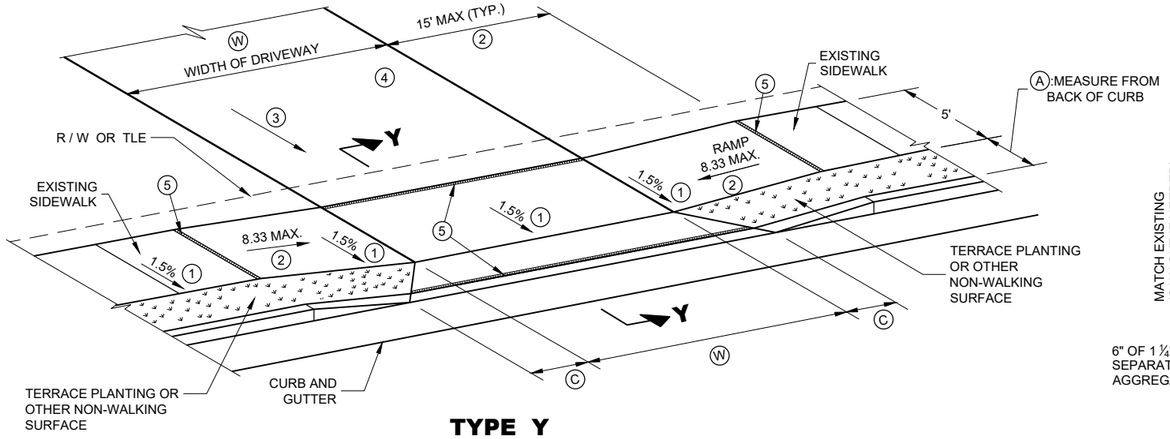
TYPE X
SIDEWALK ABUTS CURB AND GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X - X



SECTION X - X
4% GUTTER SLOPE



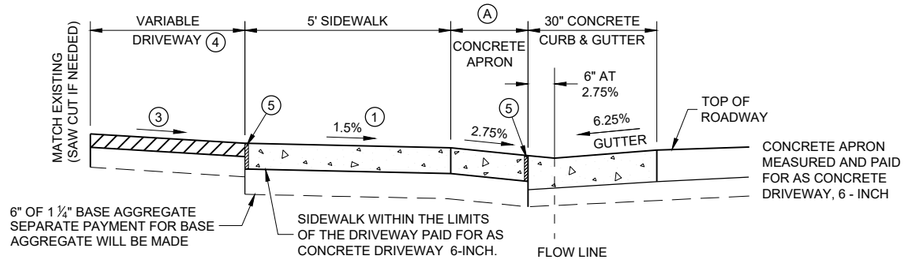
TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

W: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

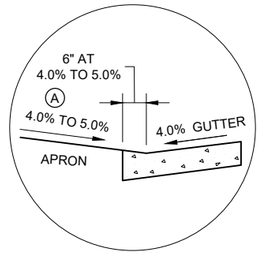
16' MIN. - 35' MAX. COMMERCIAL (CE)

TABLE Y

Ⓐ FEET	Ⓒ FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'



NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS



SECTION Y - Y
4% GUTTER SLOPE

SECTION Y - Y
DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER
(URBAN AND SUBURBAN)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

Ⓦ IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

① CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

② THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

③ DRIVEWAY SLOPES: DESIRABLE MAXIMUM
10.5% UP AWAY FROM SIDEWALK (SAG)
8.5% DOWN AWAY FROM SIDEWALK (CREST)
ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

④ DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

⑤ ½" EXPANSION JOINT FILLER

DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y

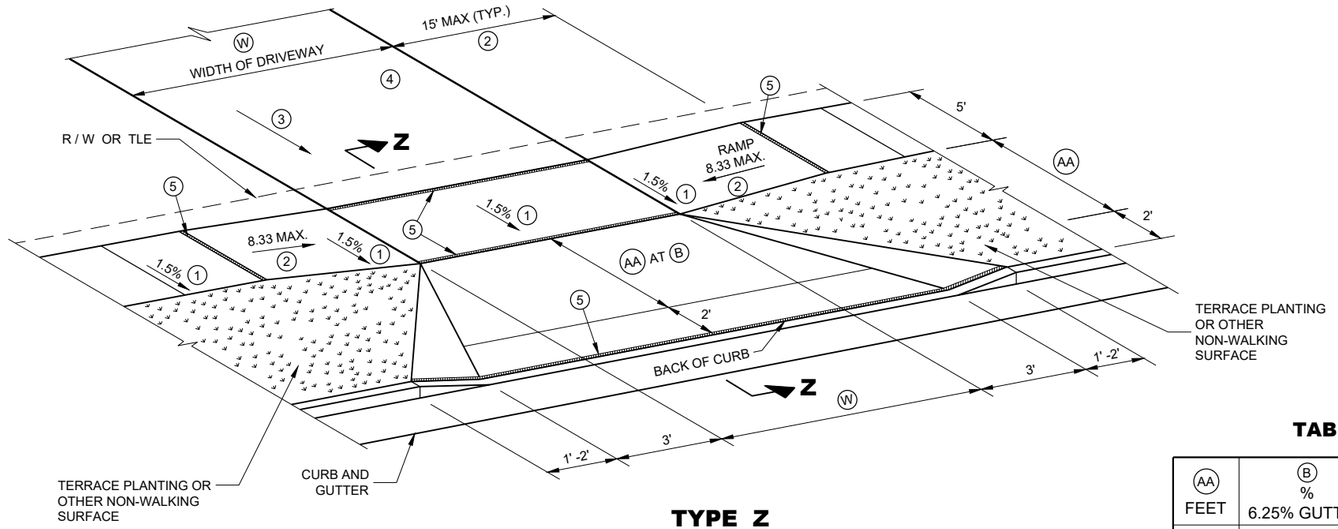
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

SDD 08D18 - 03

SDD 08D18 - 03



TYPE Z
SIDEWALK WITH WIDER TERRACE
TERRACE VARIES 7 TO 12 FEET

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

Ⓦ IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY.

(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

(4) DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

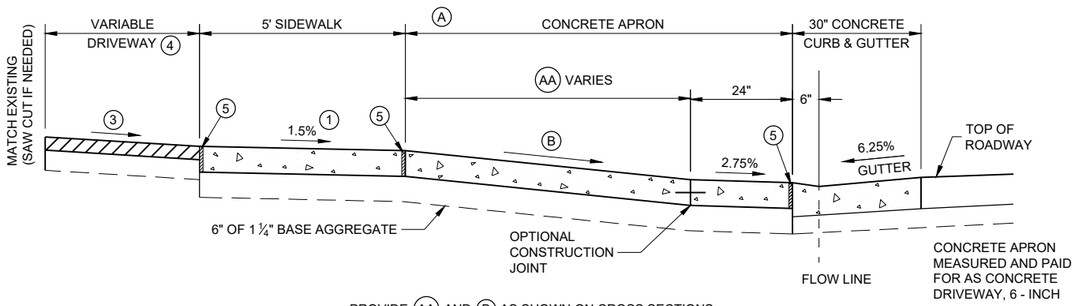
(5) ½" EXPANSION JOINT FILLER.

TABLE Z

(AA) FEET	(B) % 6.25% GUTTER	(B) % 4% GUTTER
4.5'	11.5%	9% TO 11.5%
5.5'	9% TO 11.5%	8% TO 11.5%
6.5'	8% TO 11.5%	6% TO 11.5%
7.5'	7% TO 11.5%	6% TO 11.5%
8.5'	6% TO 11.5%	5% TO 11.5%
9.5'	5% TO 11.5%	4% TO 11.5%

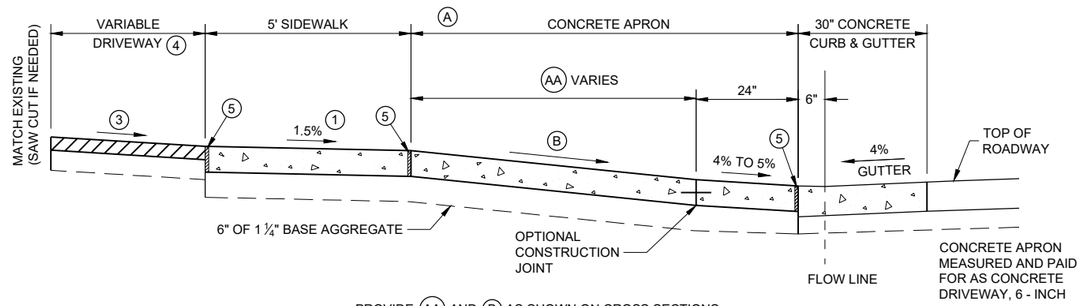
Ⓦ: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)



PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

6.25% GUTTER SLOPE



PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

4% GUTTER SLOPE

NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS FOR (B) VALUES NOT SHOWN IN TABLE Z.

SIDEWALK WITHIN THE LIMITS OF THE DRIVEWAY PAID FOR AS CONCRETE DRIVEWAY 6-INCH.

SEPARATE PAYMENT FOR BASE AGGREGATE WILL BE MADE.

SECTION Z - Z

DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER

(URBAN AND SUBURBAN)

DRIVEWAY AND SIDEWALK RAMPS TYPE Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

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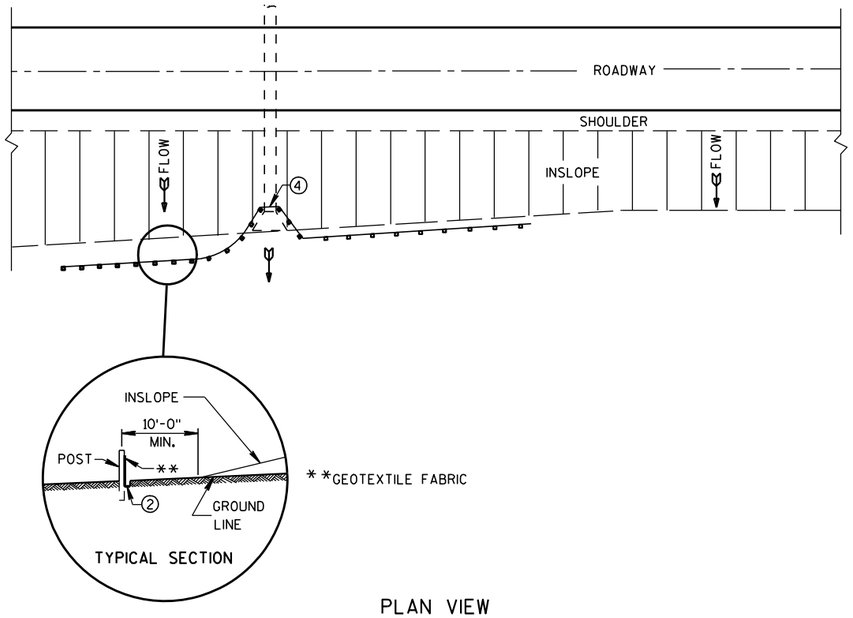
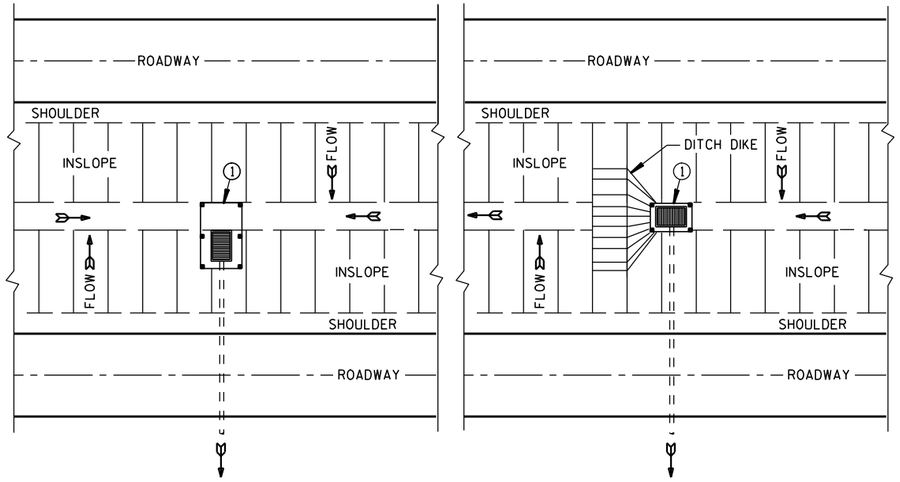
SDD 08D19 - 03



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



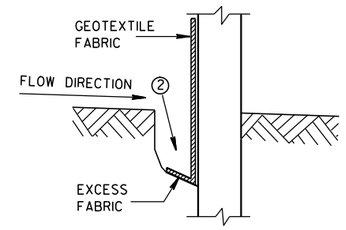
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

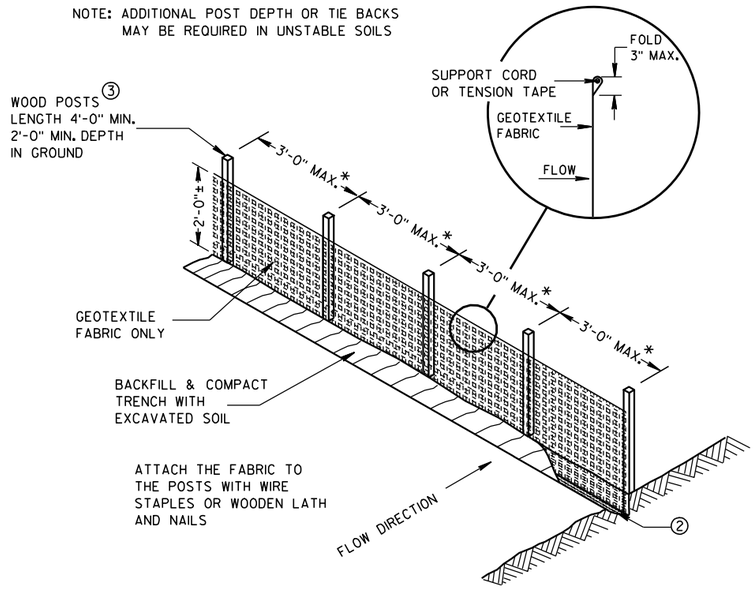
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

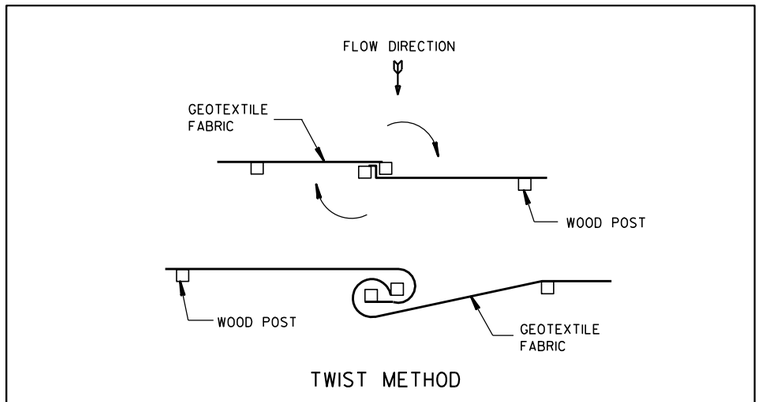
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL 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.



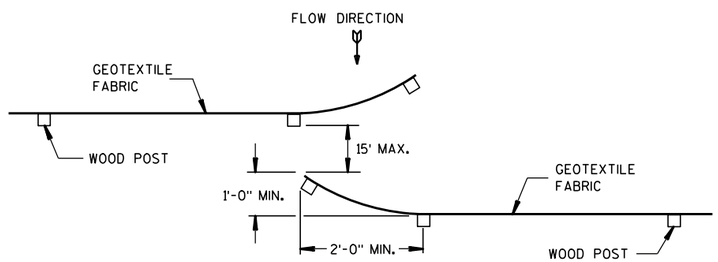
TRENCH DETAIL



SILT FENCE

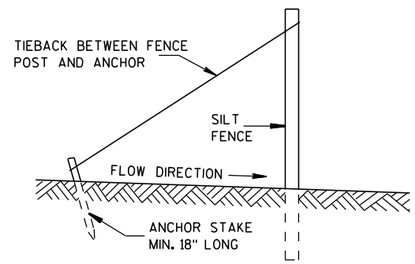


TWIST METHOD



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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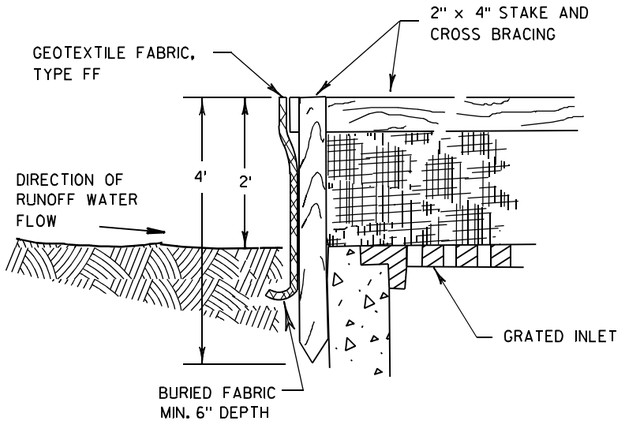
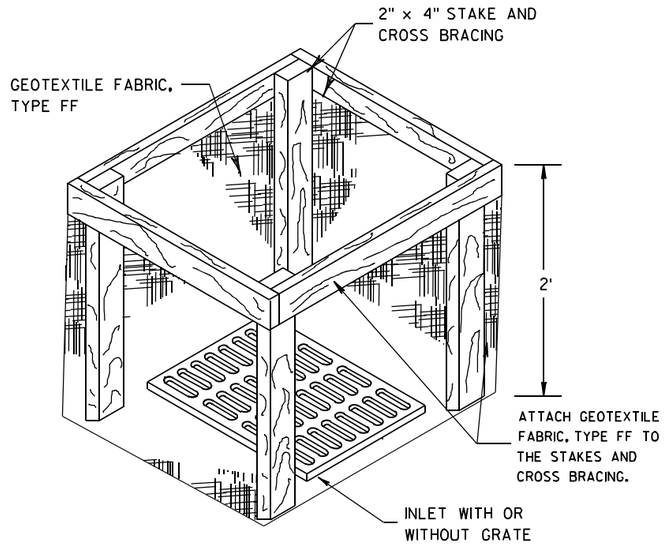
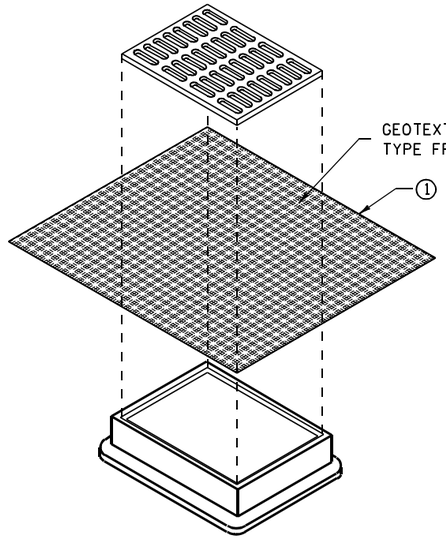
S.D.D. 8 E 9-6



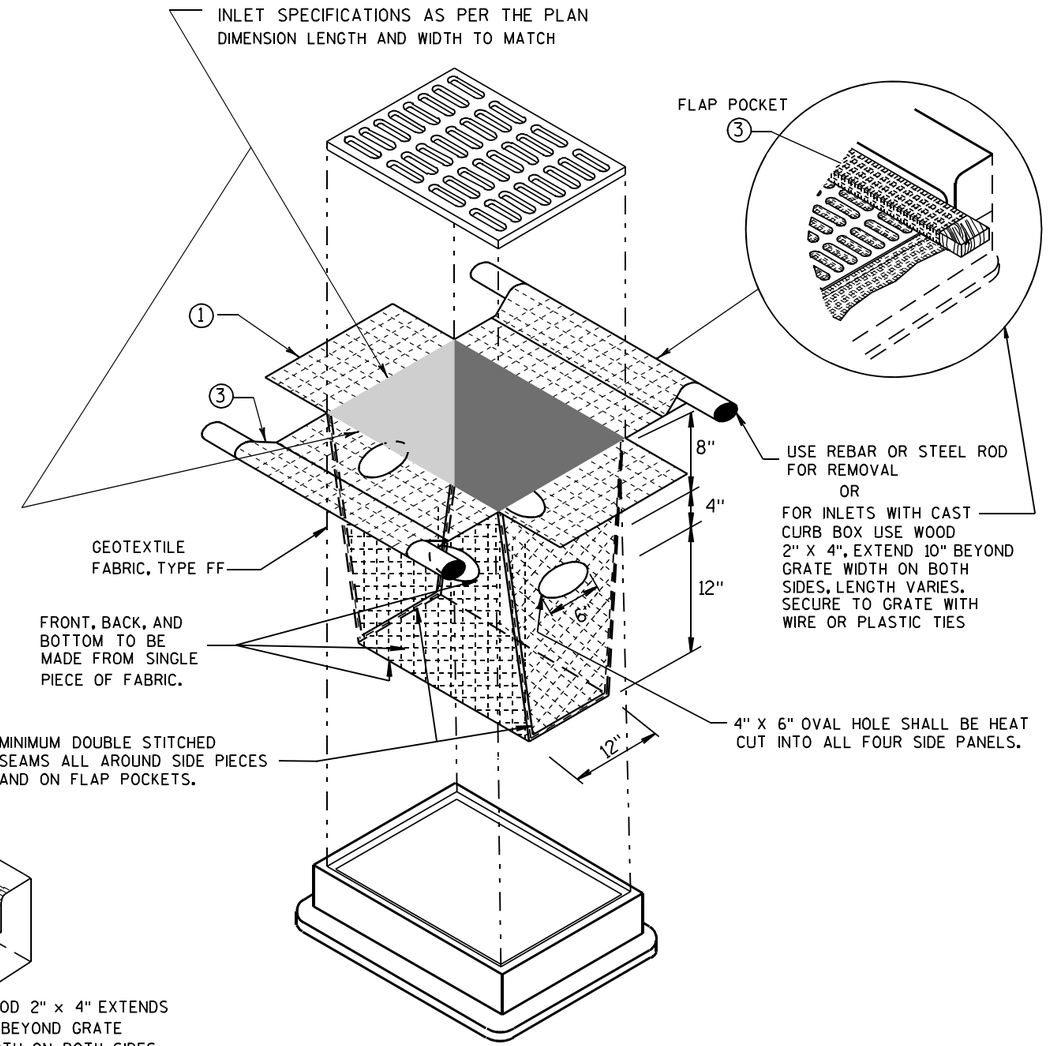


INLET PROTECTION, TYPE A



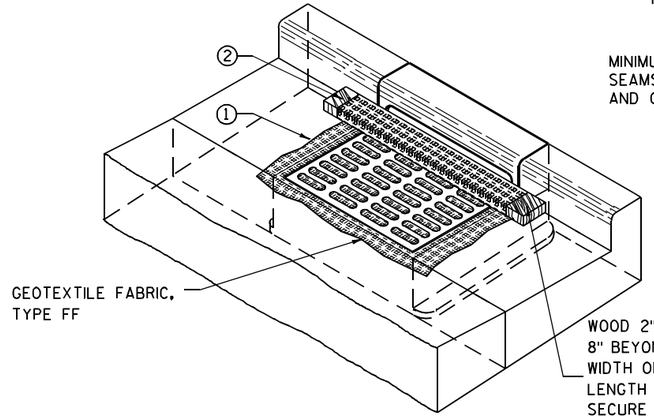
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)



INLET PROTECTION, TYPE C (WITH CURB BOX)

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

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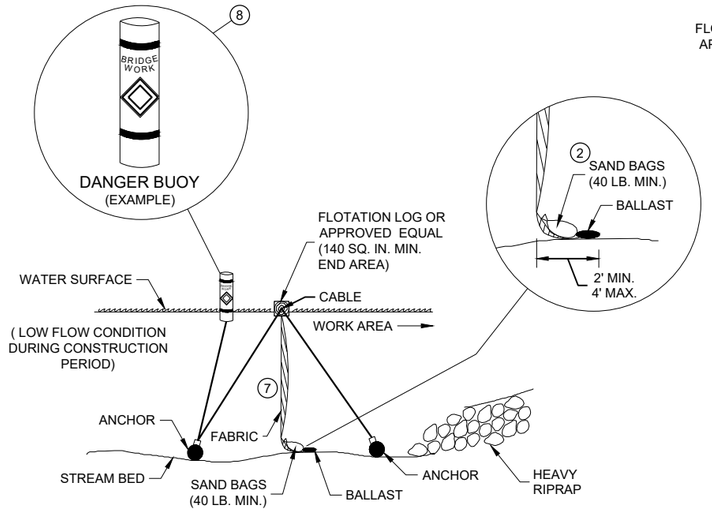
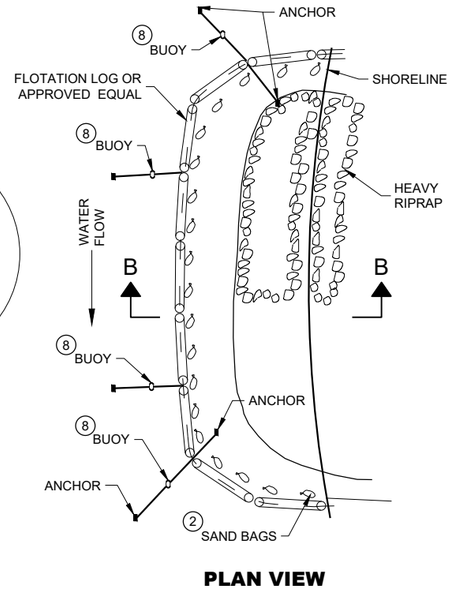
S.D.D. 8 E 10-2

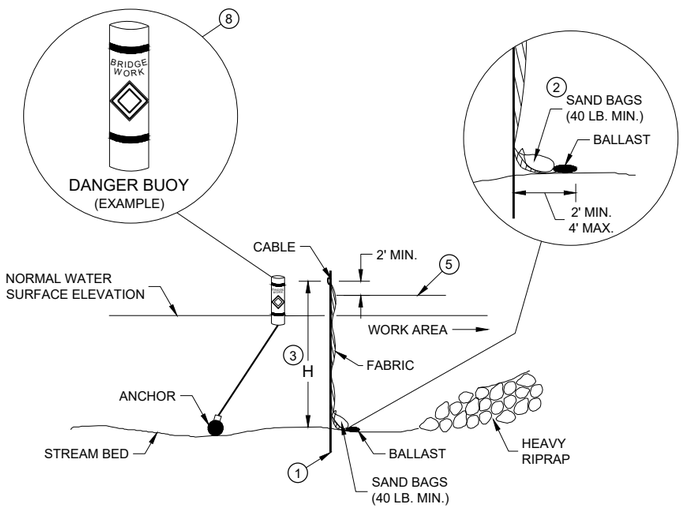


SECTION B - B

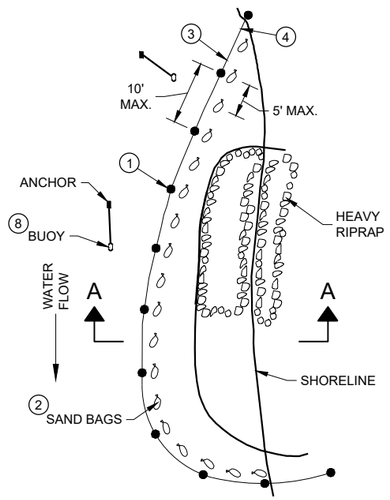


PLAN VIEW

TURBIDITY BARRIER - FLOAT ALTERNATIVE
CAUTION - SEE NOTE 6



SECTION A - A



PLAN VIEW

TURBIDITY BARRIER - STANDARD POST INSTALLATION

TURBIDITY BARRIER PLACEMENT DETAILS

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.

TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.

(1) DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.

(2) SAND BAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.

(3) WHEN BARRIER HEIGHT "H" EXCEEDS 8 FEET, POST SPACING MAY NEED TO BE DECREASED.

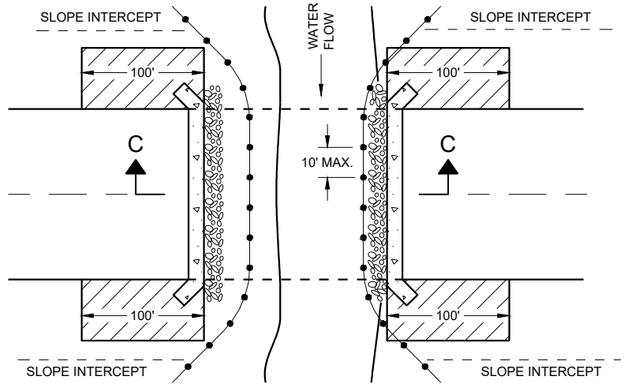
(4) IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.

(5) ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MINIMUM BARRIER HEIGHT SHALL BE 2' GREATER THAN EITHER THE Q2 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WHICHEVER IS GREATER.

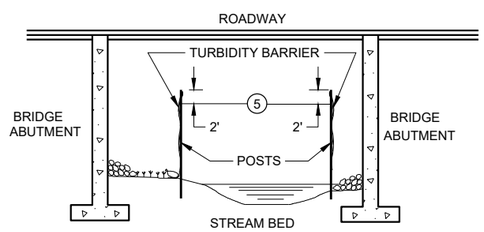
(6) FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BEDROCK PREVENTS THE INSTALLATION OF POSTS.

(7) ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.

(8) USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.



PLAN VIEW



SECTION C - C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

TURBIDITY BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/4/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOI
ENGINEER

FHWA

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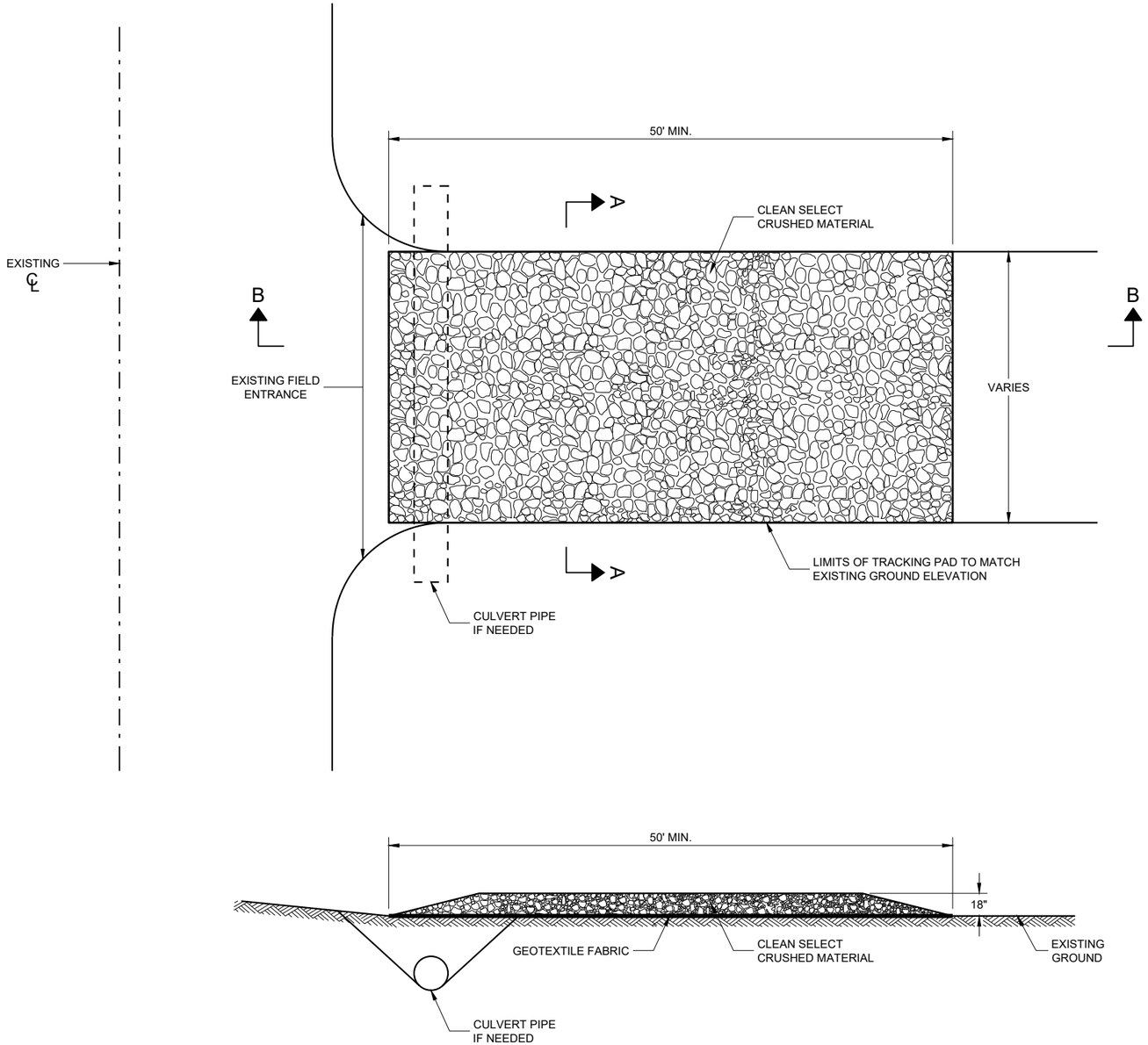
SDD 08E11 - 02



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.

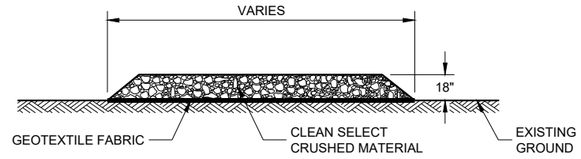
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

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

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SDD 08E14 - 01

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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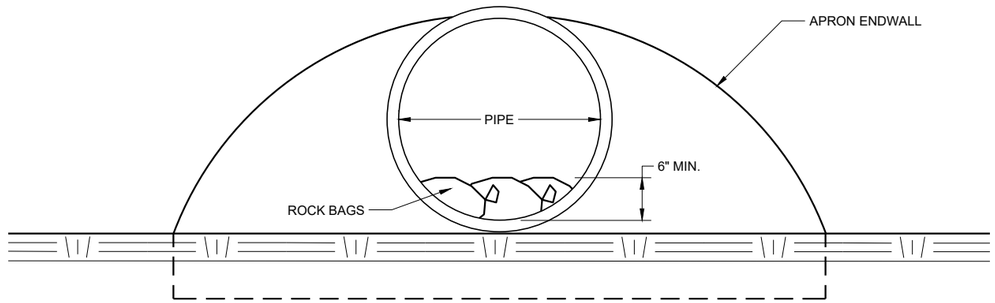
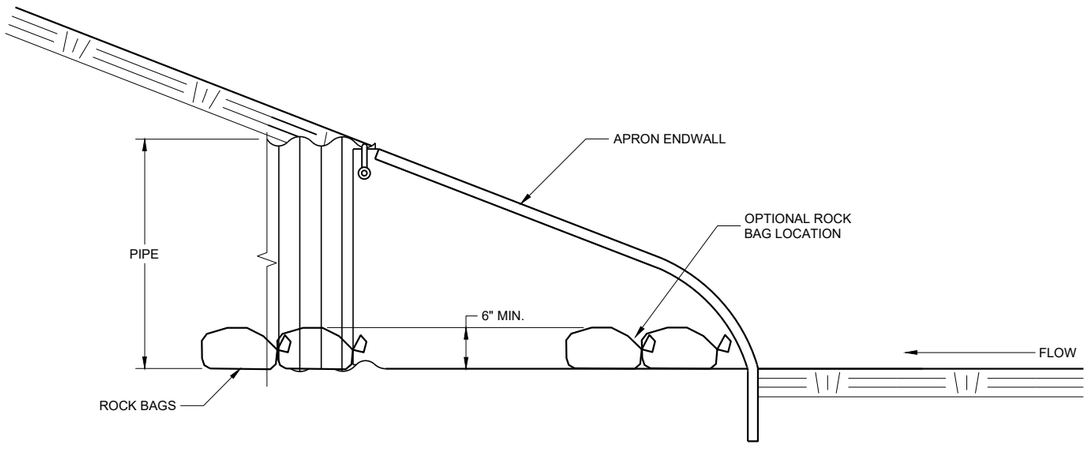
SDD 08E14 - 01



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	423

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SDD 08E15 - 01

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SDD 08E15 - 01

METAL APRON ENDWALLS

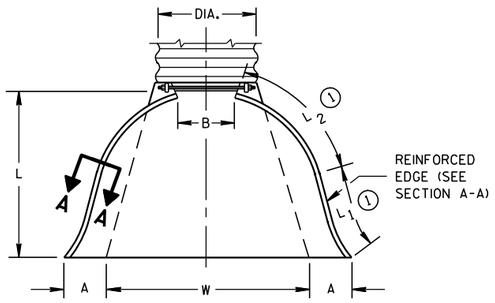
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

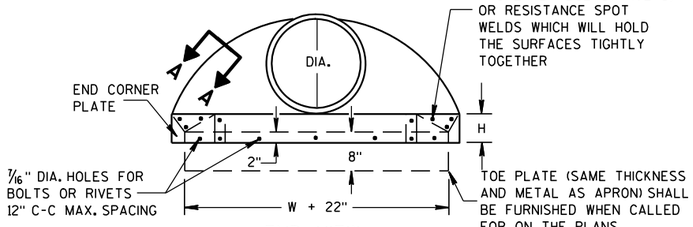
REINFORCED CONCRETE APRON ENDWALLS

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

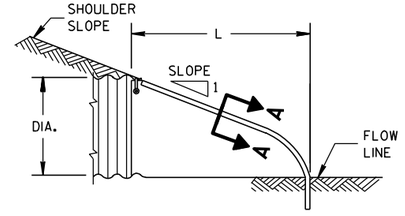
*MINIMUM
**MAXIMUM



PLAN VIEW

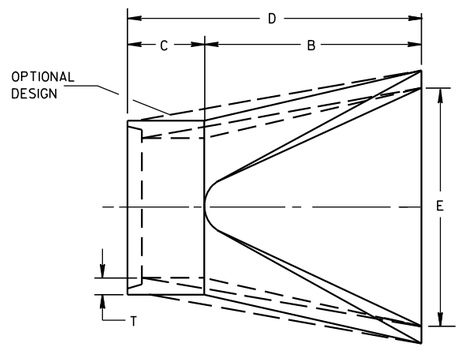


END VIEW

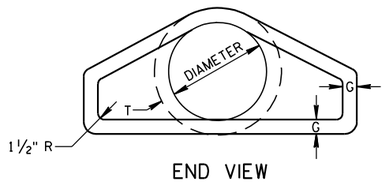


SIDE ELEVATION

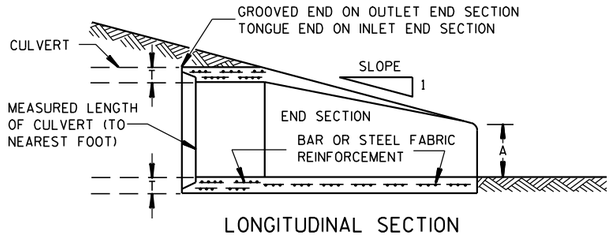
METAL ENDWALLS



PLAN

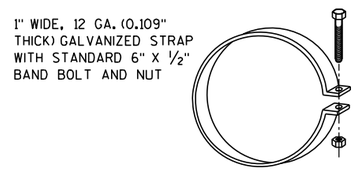


END VIEW



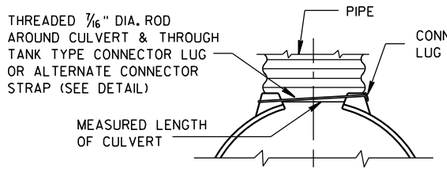
LONGITUDINAL SECTION

CONCRETE ENDWALLS

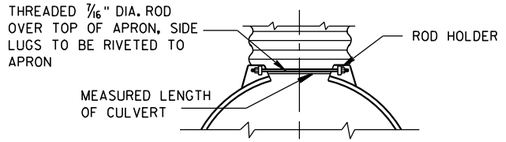


ALTERNATE FOR TYPE 1 CONNECTION

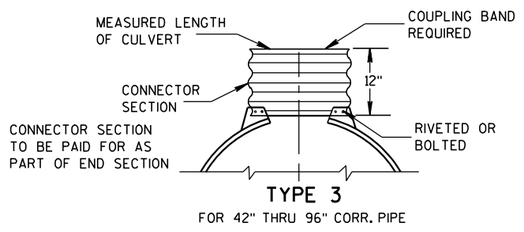
END SECTION CONNECTOR STRAP



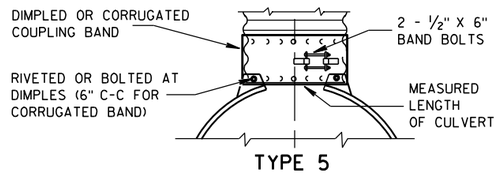
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

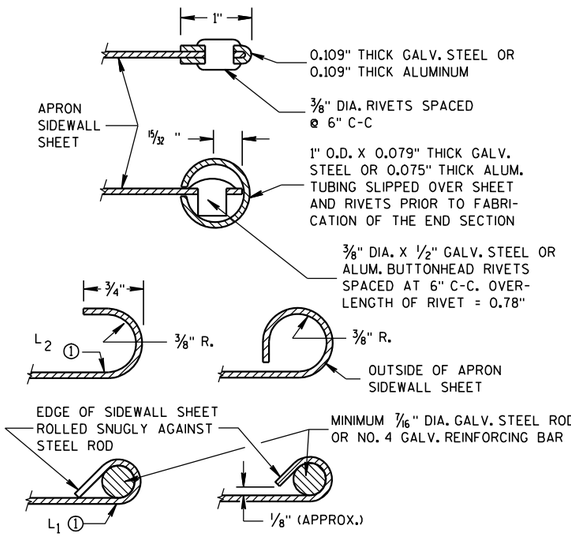
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

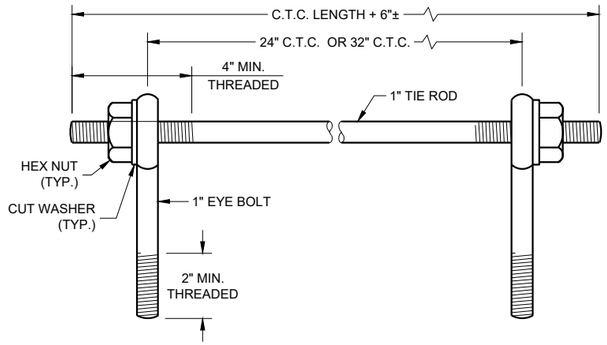
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

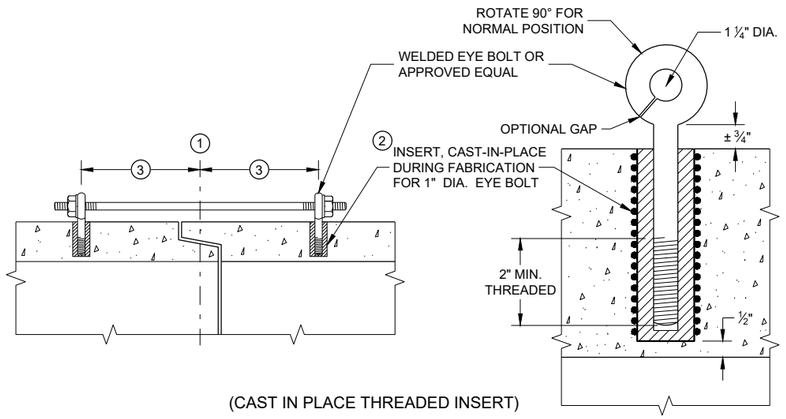
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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.

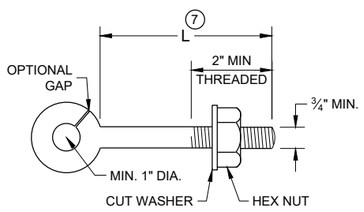
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

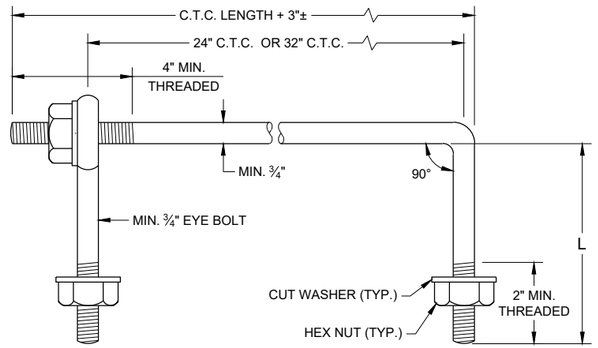
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

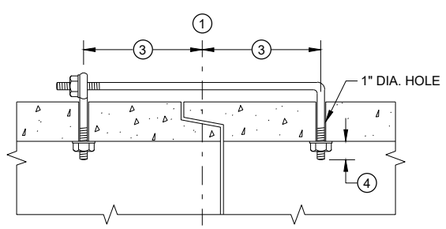


EYE BOLT (7)

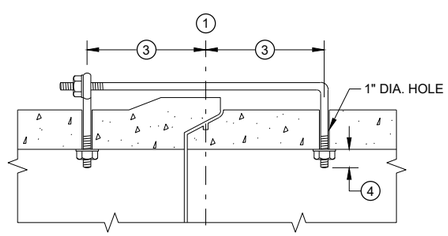
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

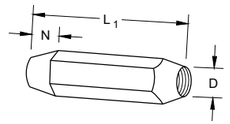
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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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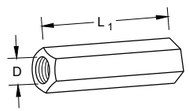
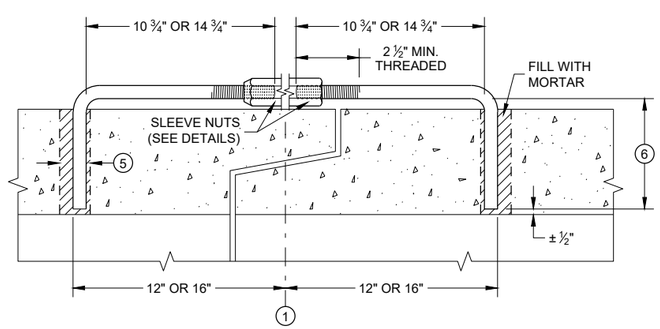


PLAIN

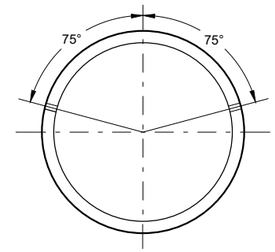
RIGHT AND LEFT THREADS

SLEEVE NUTS



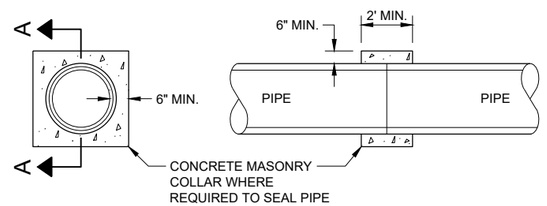
LONGITUDINAL SECTION

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

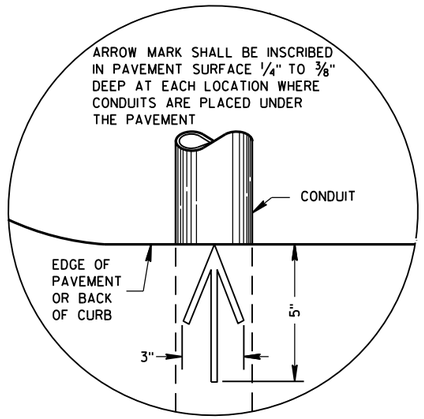
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

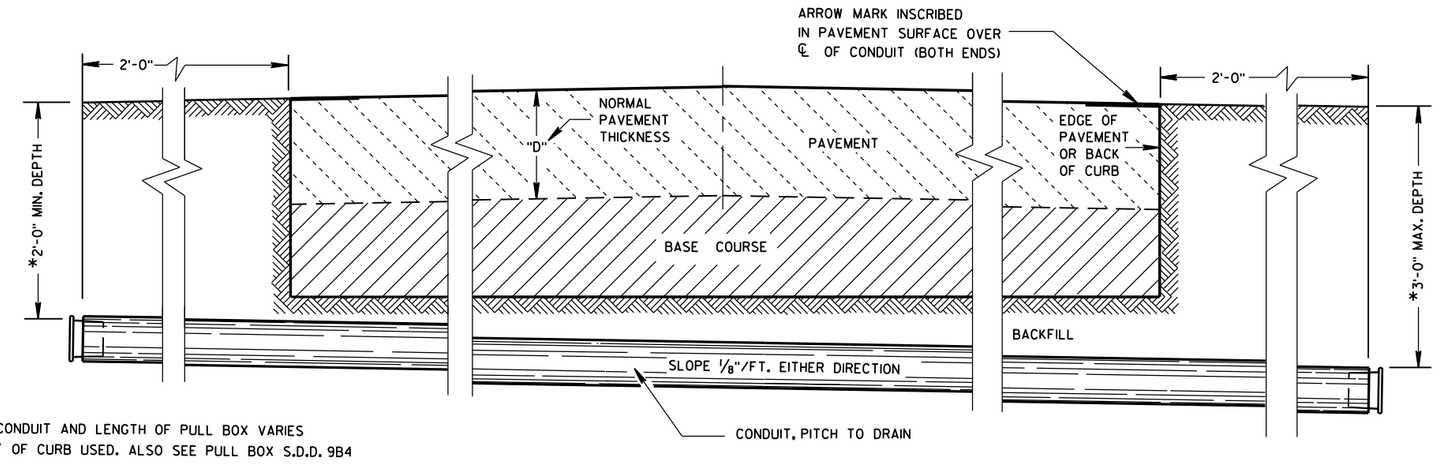
SDD 08F04 - 08

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.

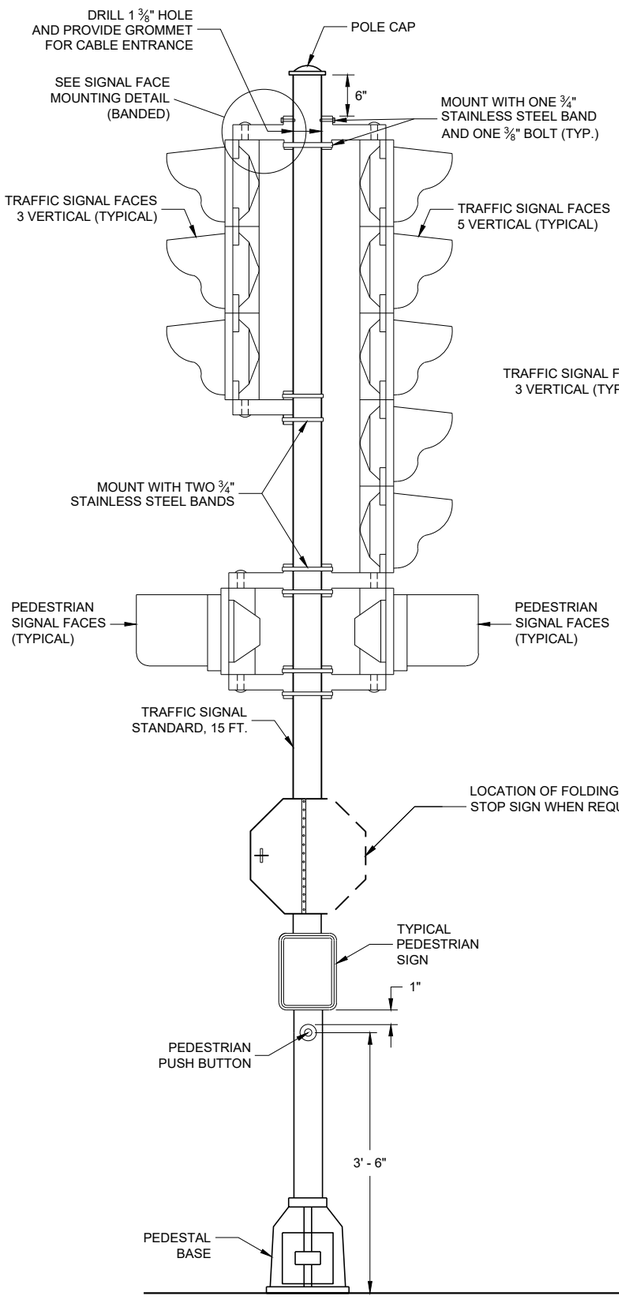
CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

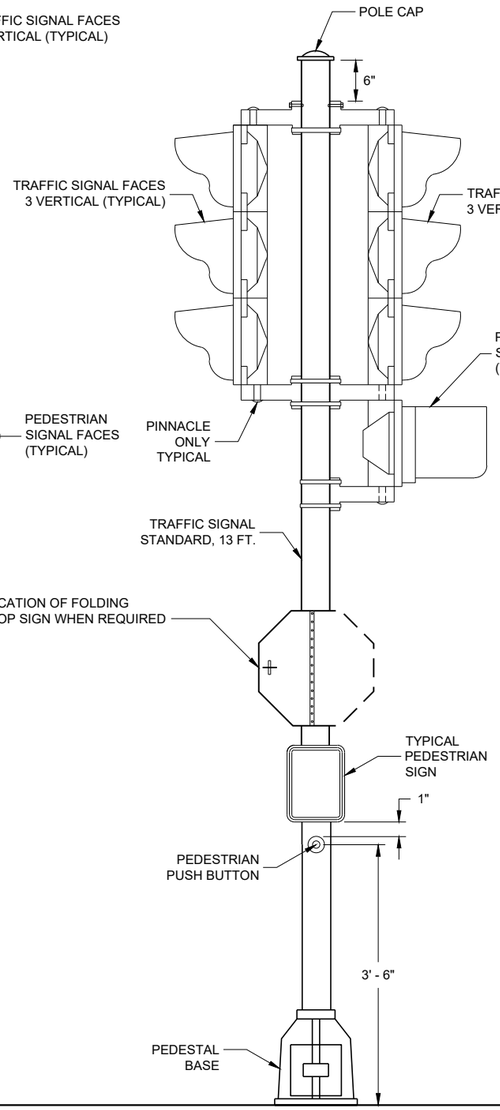
APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

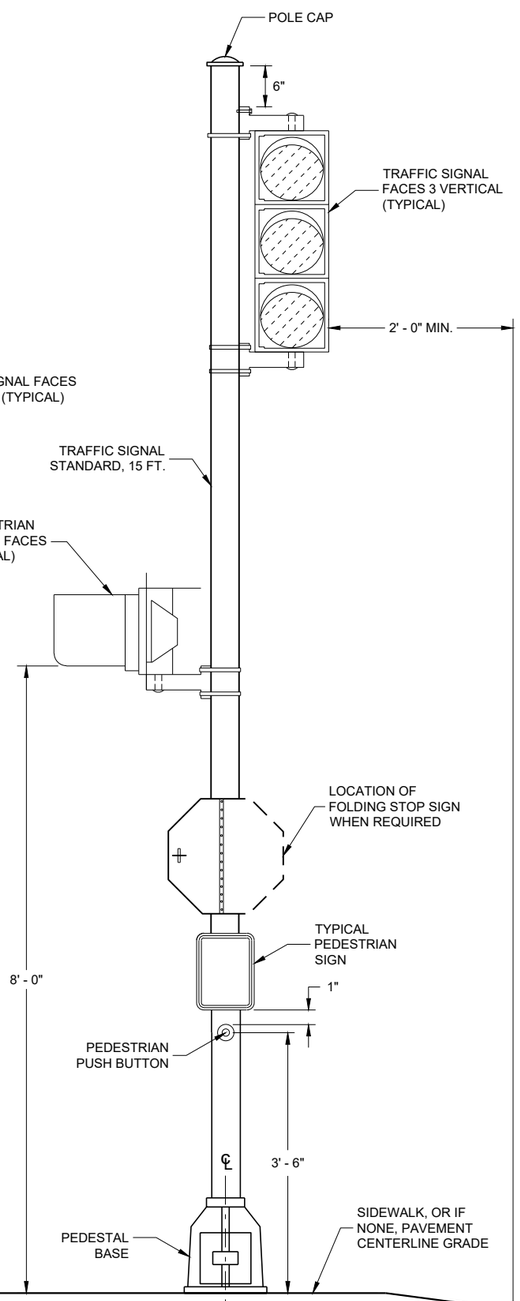
S.D.D. 9 B 2-10



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.

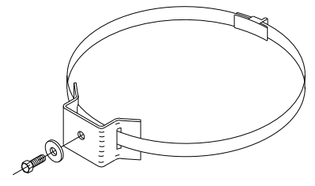
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

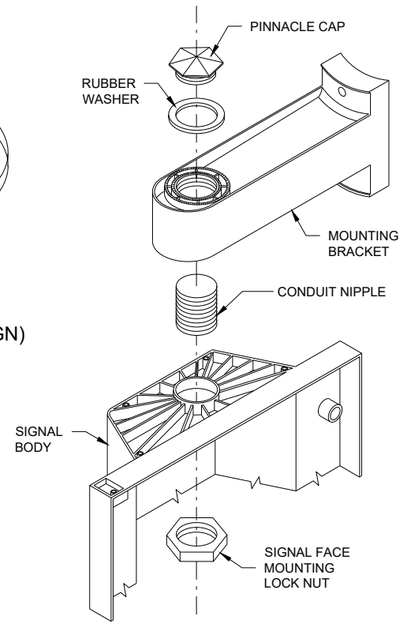
FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) 1/4" X 3/4" - 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
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2/28/2013
DATE

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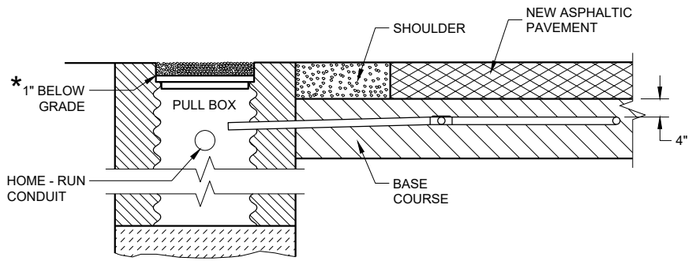
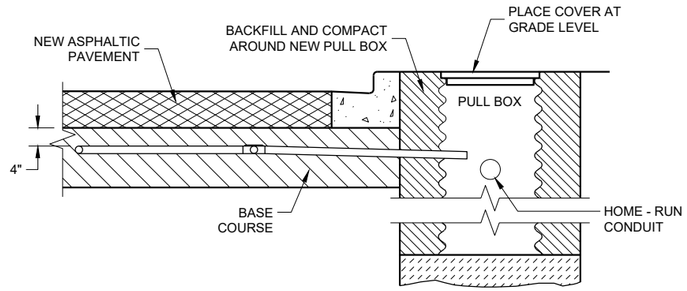


SECTION A - A
NO CURB AND GUTTER

LOOP DETECTOR INSTALLATION DETAIL



SECTION B - B
CURB AND GUTTER

LOOP DETECTOR INSTALLATION DETAIL

* RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

GENERAL NOTES

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

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

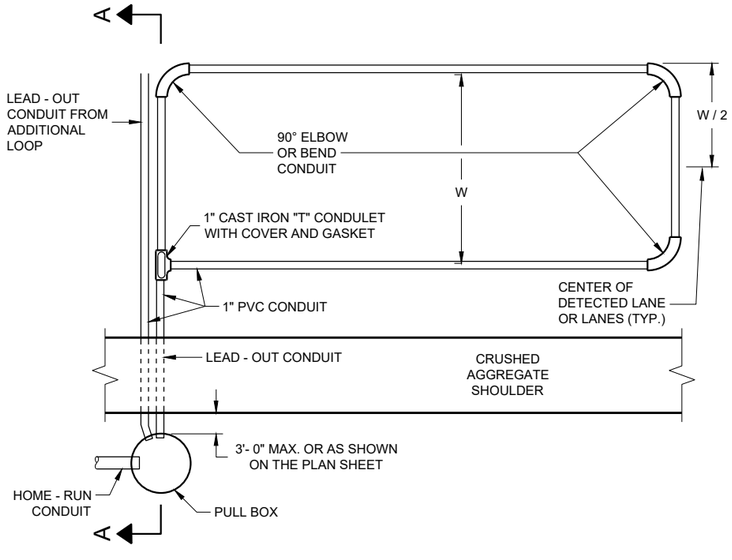
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, THROUGH THE LOOP DUCT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE PULL BOX IN THE BASE COURSE, AND THE RELATED CONDUITS SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW CONCRETE PAVEMENT IS POURED.

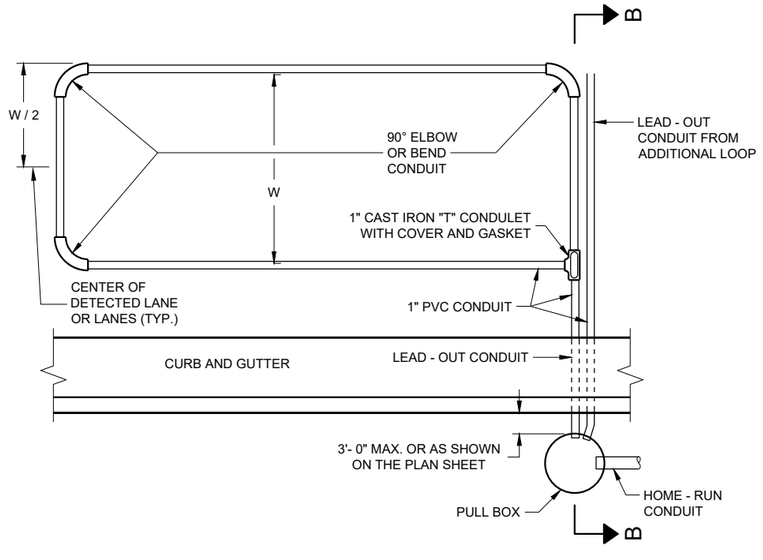
PROTECTION OF THE PULL BOX AND CONDULET SHALL BE REQUIRED AFTER THE ASPHALTIC PAVEMENT IS PLACED.

WHEN MULTIPLE LAYERS OF ASPHALTIC PAVEMENT ARE TO BE PLACED, LOOPS MAY BE INSTALLED BY SAWING A TWO INCH WIDE SLOT IN THE FIRST LAYER, DIG OUT THE ASPHALTIC MATERIAL AND BASE COURSE, PLACE THE LOOP, FILL THE SLOT WITH BASE COURSE MATERIAL AND NEW ASPHALTIC MATERIAL AND TAMP THE ASPHALTIC MATERIAL IN PLACE.

SHOULD TRAFFIC BE ALLOWED TO USE THE AREA OF ROADWAY WITH THE NEWLY INSTALLED LOOP BEFORE THE PLACEMENT OF THE NEXT LAYER OF ASPHALTIC PAVEMENT, THE SLOT/PAVEMENT OPENING SHALL BE SEALED WITH HOT POURED ELASTIC TYPE MATERIAL CONFORMING TO THE REQUIREMENTS OF THE "SPECIFICATION FOR JOINT SEALANTS, HOT POURED, FOR CONCRETE AND ASPHALT PAVEMENTS, ASTM DESIGNATION: D3405".



TYPICAL PLAN OF LOOP DETECTOR



TYPICAL PLAN OF LOOP DETECTOR

LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW ASPHALTIC PAVEMENT)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 428

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6
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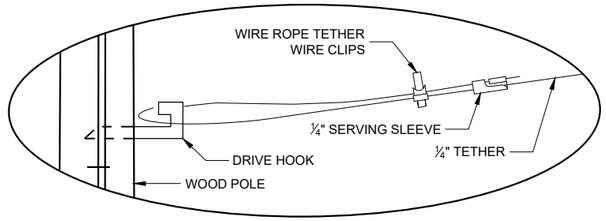
MINIMUM POLE LENGTHS	POLE BURIAL DEPTHS
25'	5'
30'	6'
35'	7'
40'	8'
45'	9'

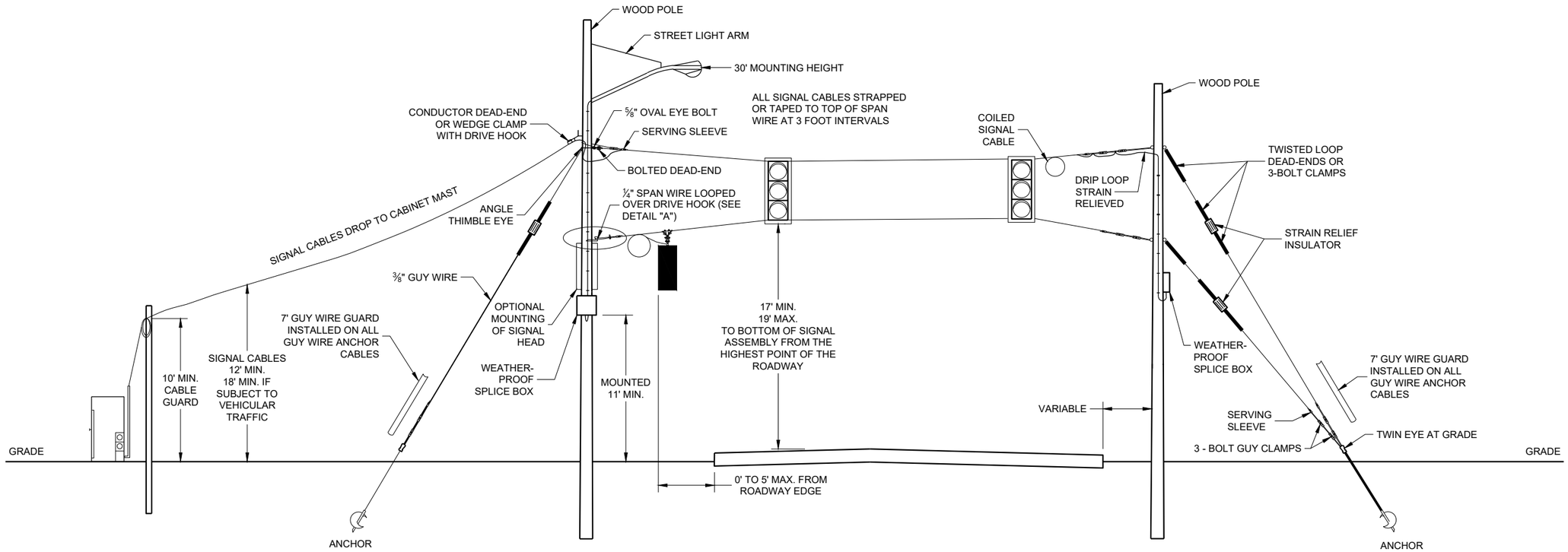


DETAIL "A"

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
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI

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SDD09G01 - 04a

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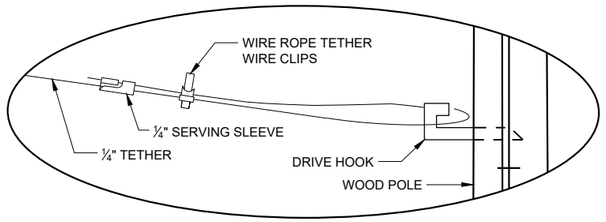
SDD09G01 - 04a

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

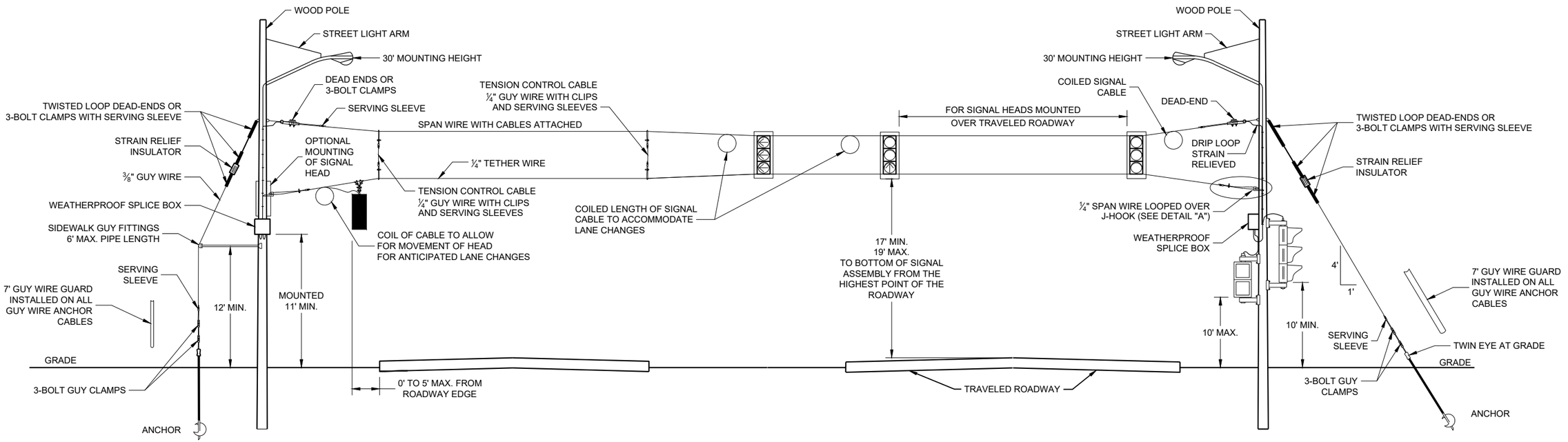


DETAIL "A"

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.
   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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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June 2015
DATE
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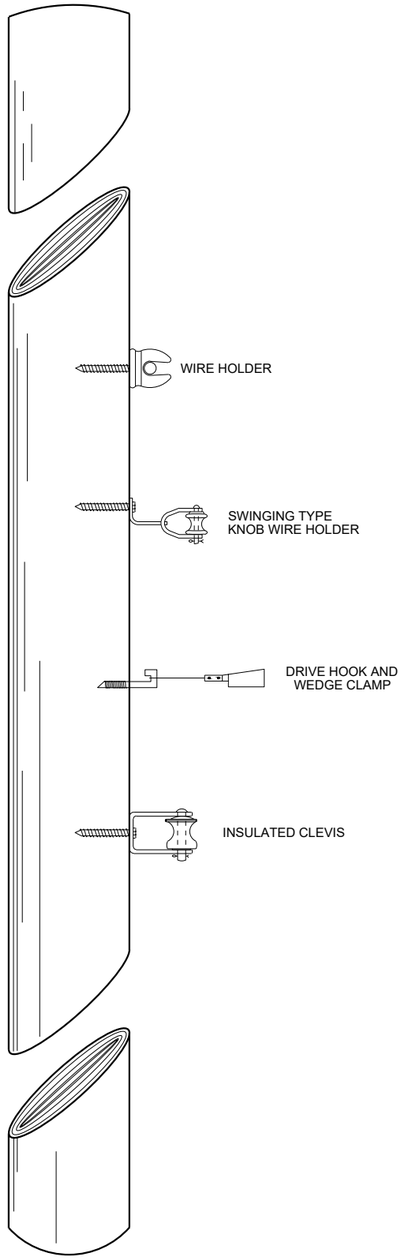

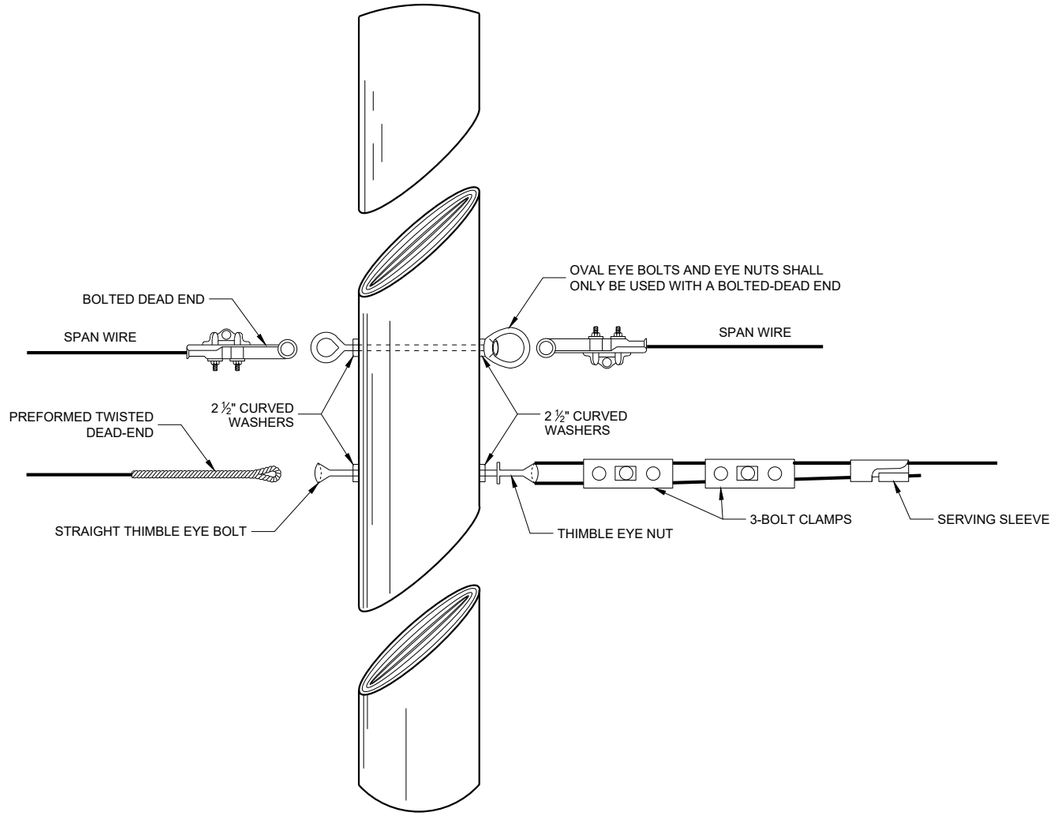

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SDD 09G01 - 4d

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SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2015
DATE

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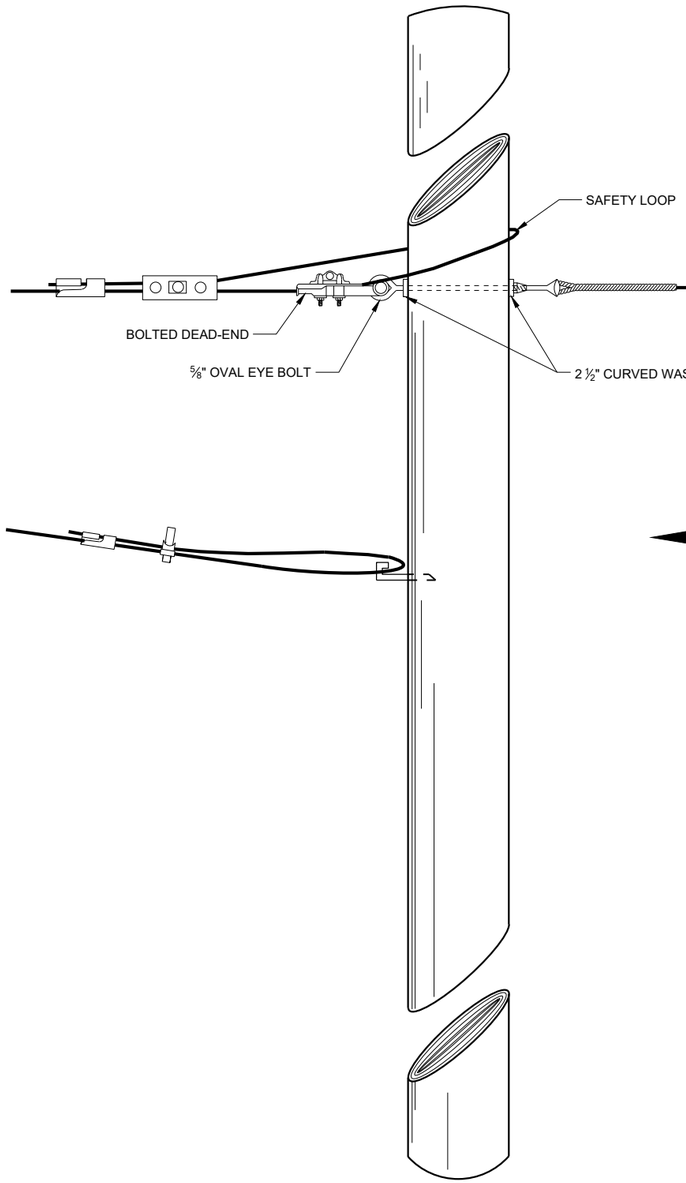
ROADWAY STANDARDS DEVE ENGINEER

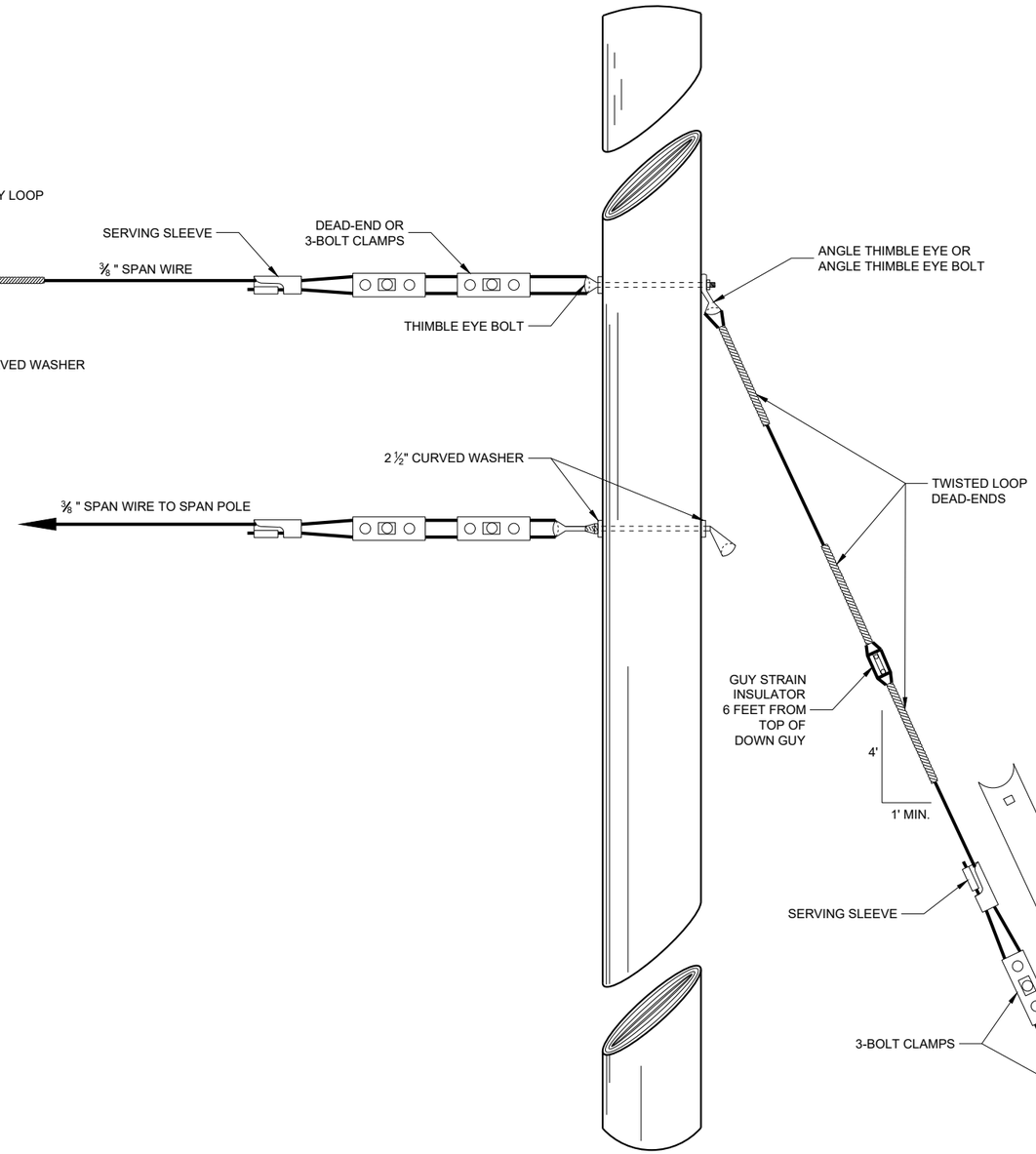
FHWA

GENERAL NOTES

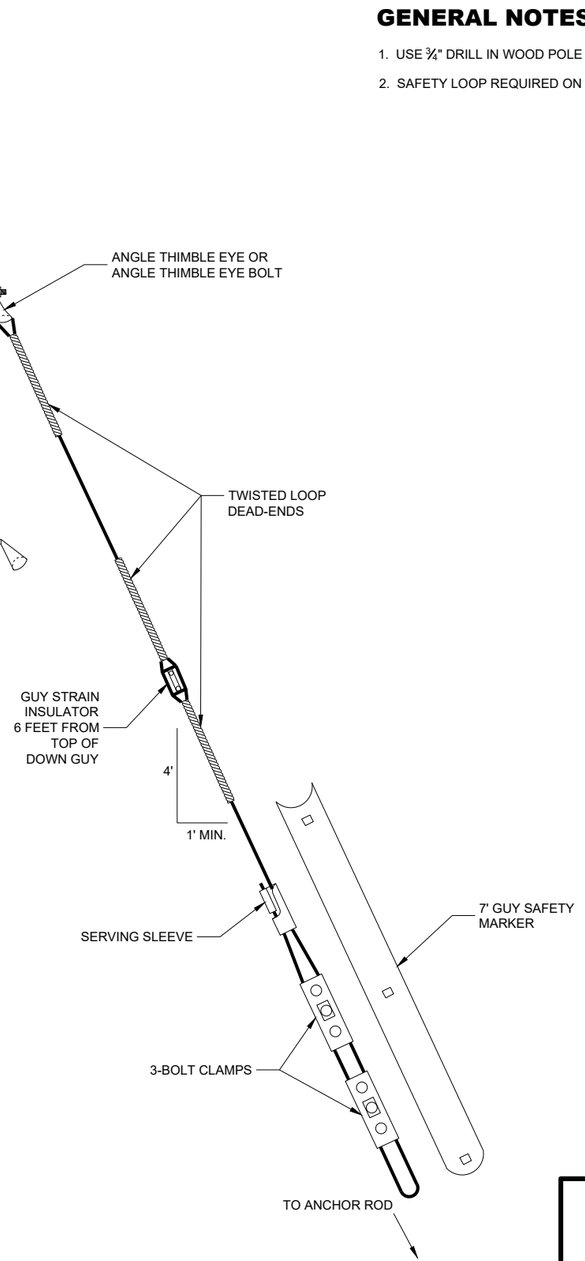
1. USE ¾" DRILL IN WOOD POLE TO PROVIDE FOR ⅝" BOLTS.
2. SAFETY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE



GUY POLE



TYPICAL DEAD-ENDINGS OR GUYING

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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June 2015
DATE

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ROADWAY STANDARDS DEVE ENGINEER

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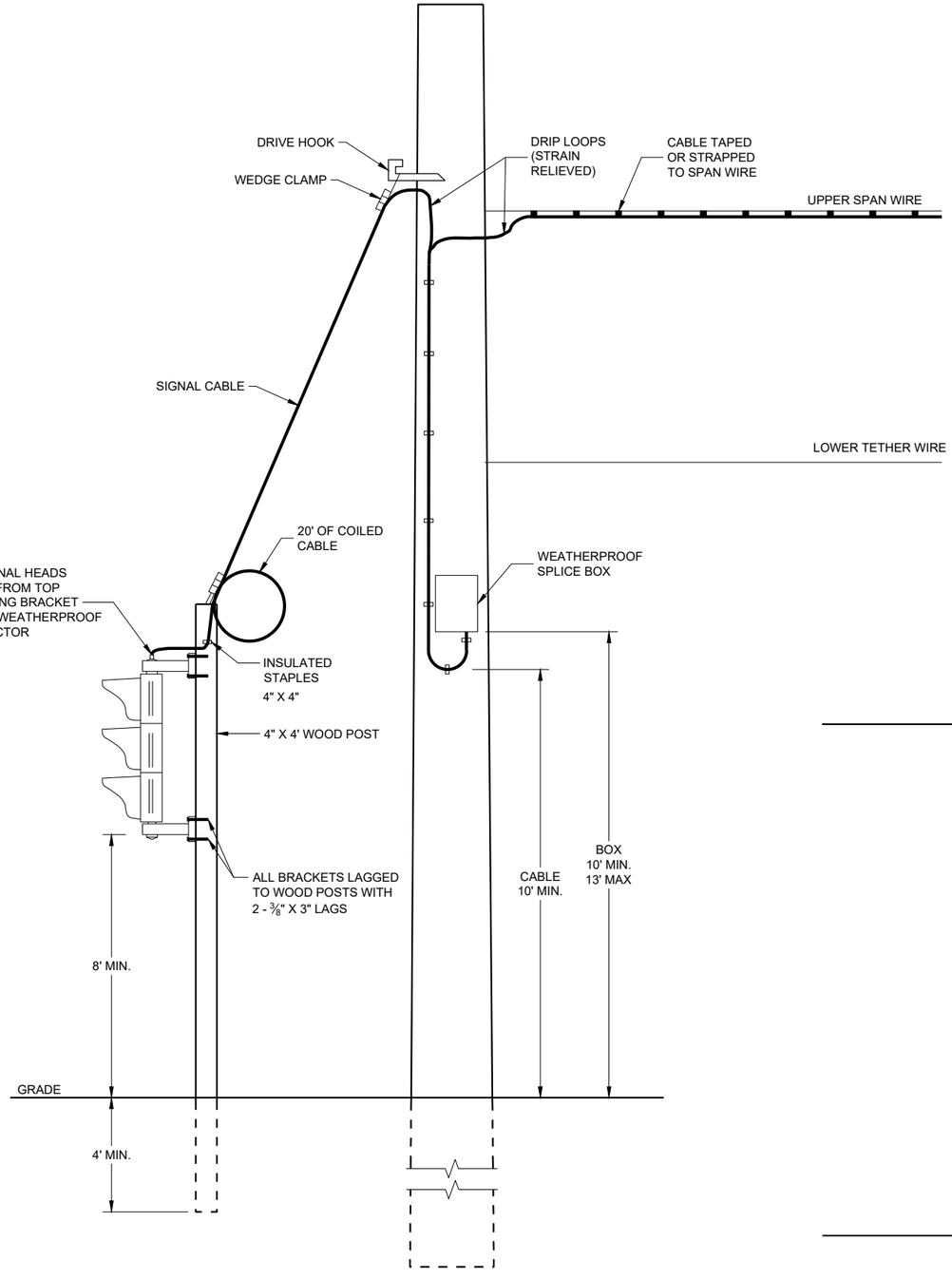
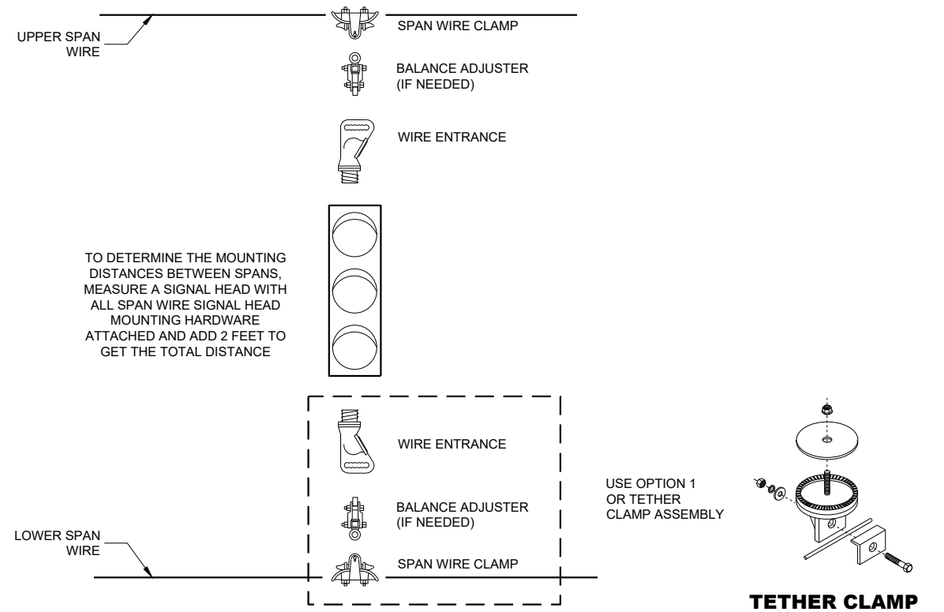
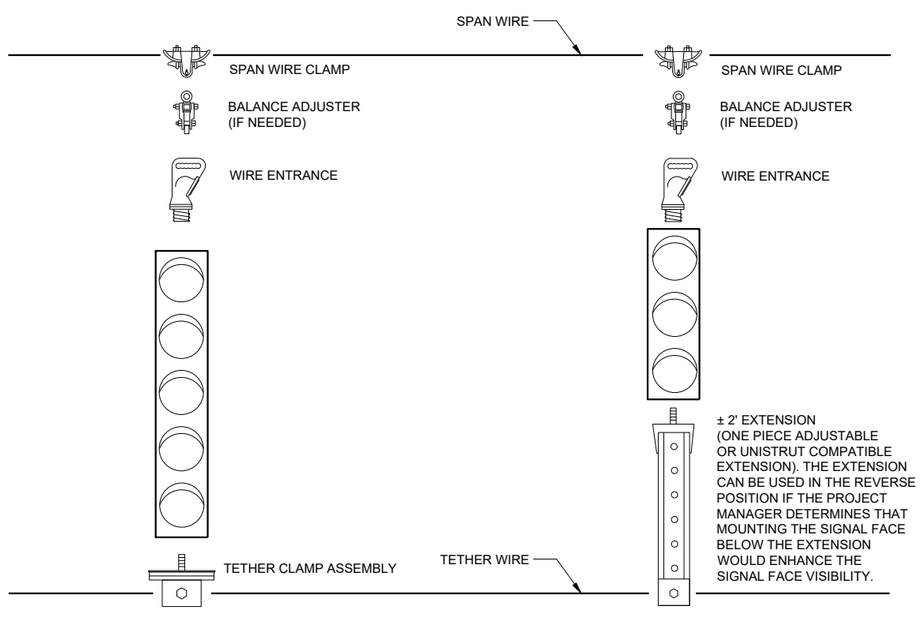


TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL



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

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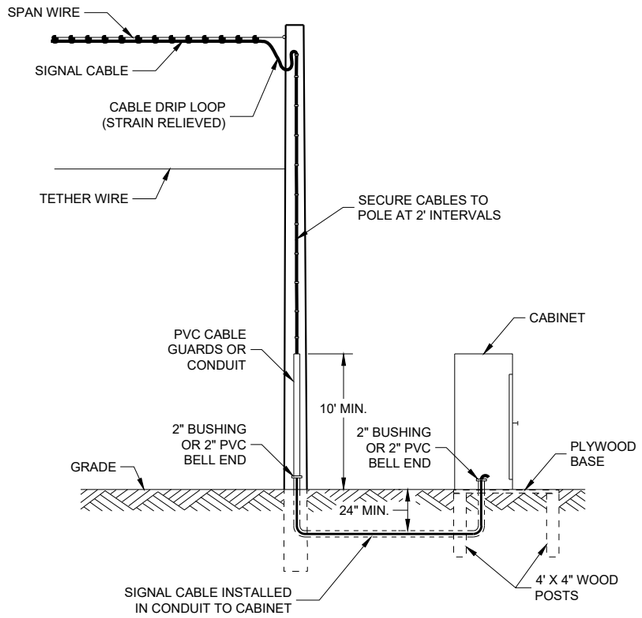
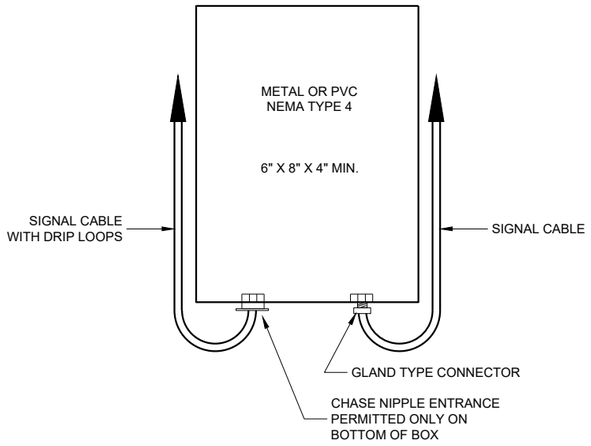
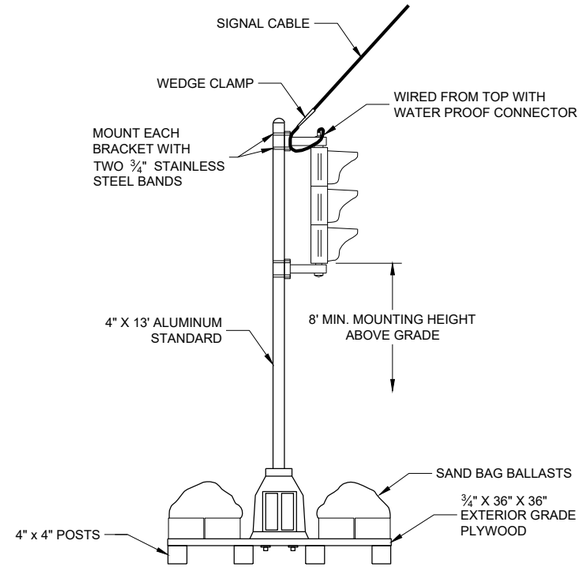
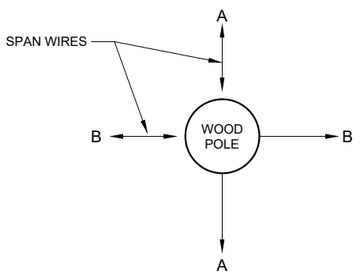




SPLICE BOX

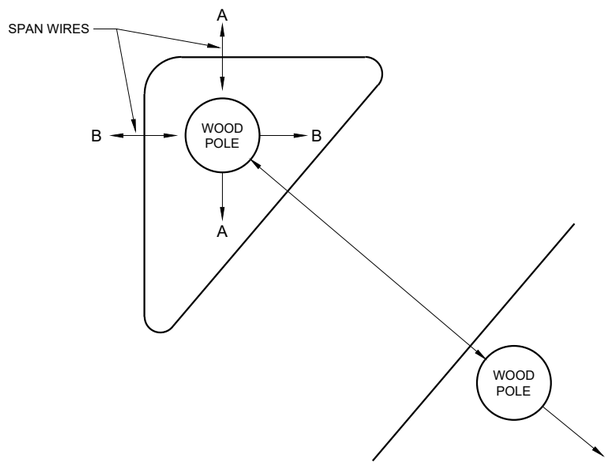


TYPICAL SKID TYPE TEMPORARY

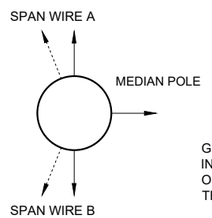


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

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

FHWA

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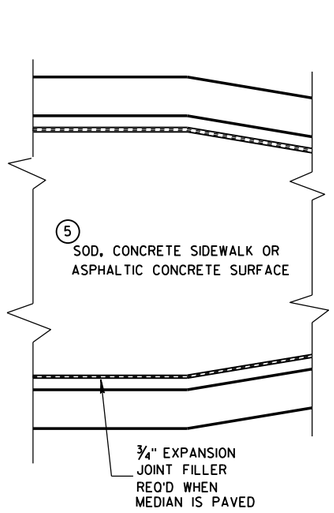
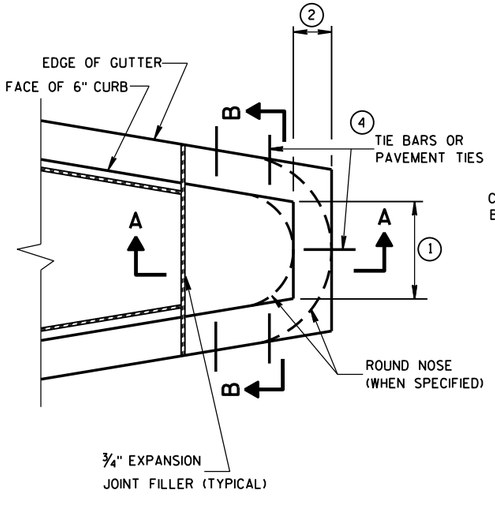
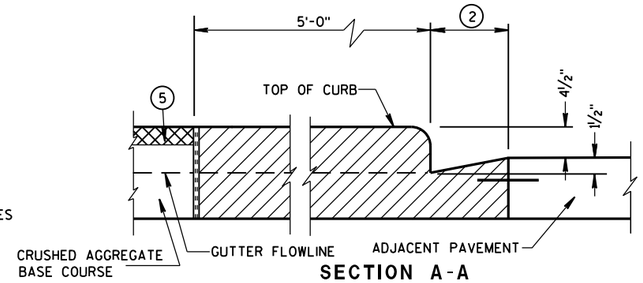
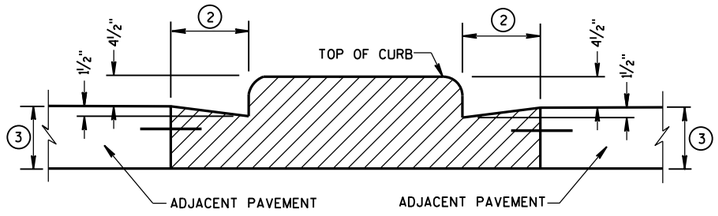






SECTION A-A



SECTION B-B

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.

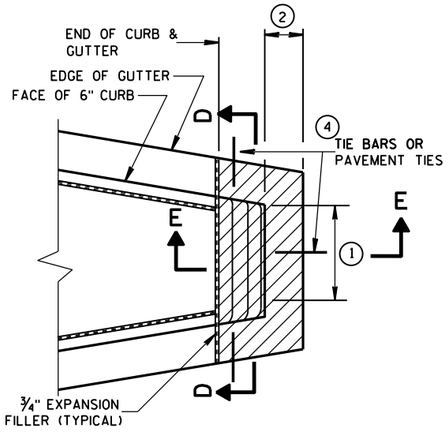
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

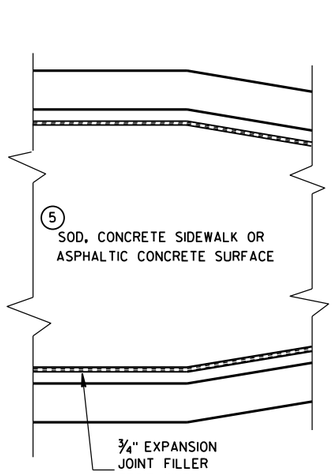
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

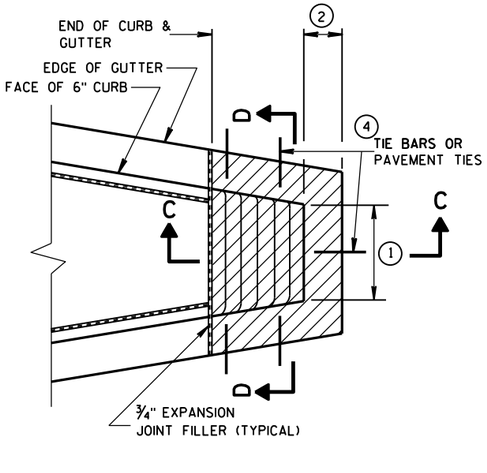
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

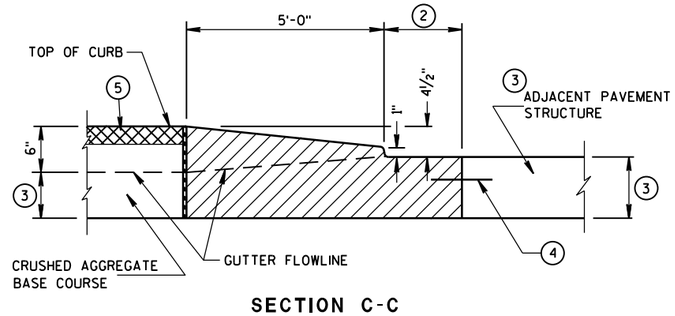
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

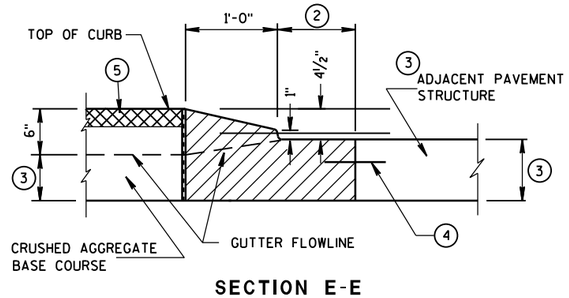








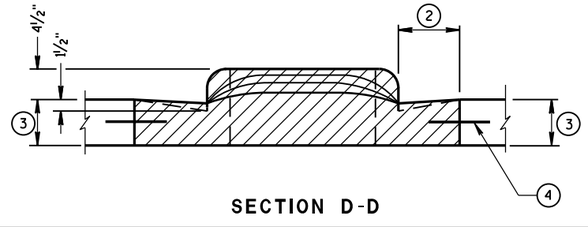
SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2

CONCRETE MEDIAN SLOPED NOSE TYPE 1

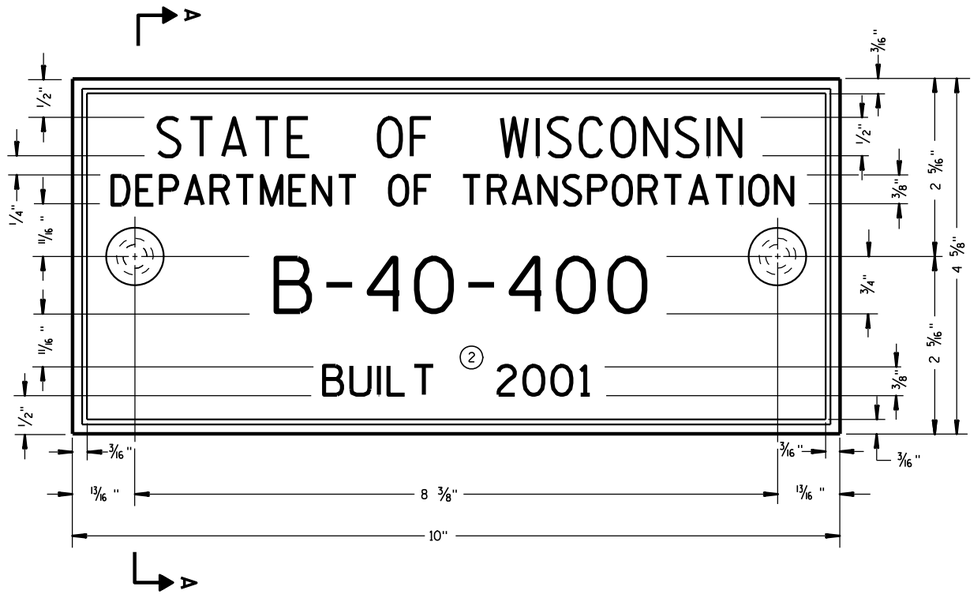


SECTION D-D

CONCRETE MEDIAN NOSE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 6/8/2006 DATE FHWA	/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

S.D.D. 11 B 2-2



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)

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

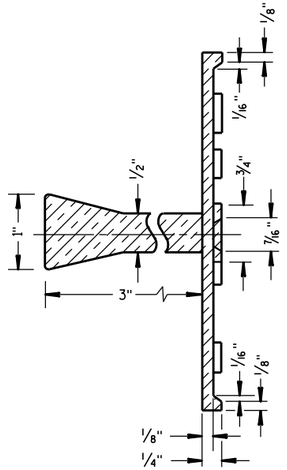
GENERAL NOTES

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.

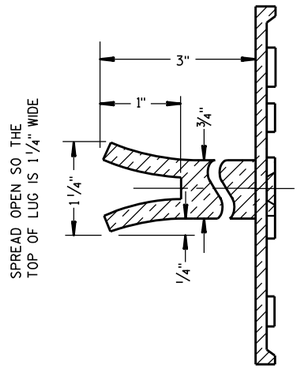
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

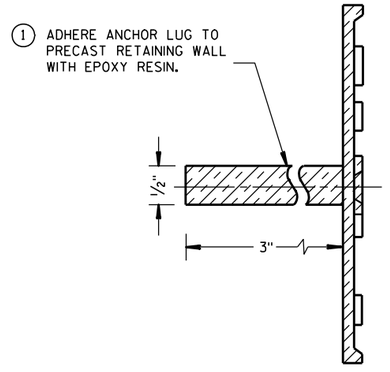
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG
(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

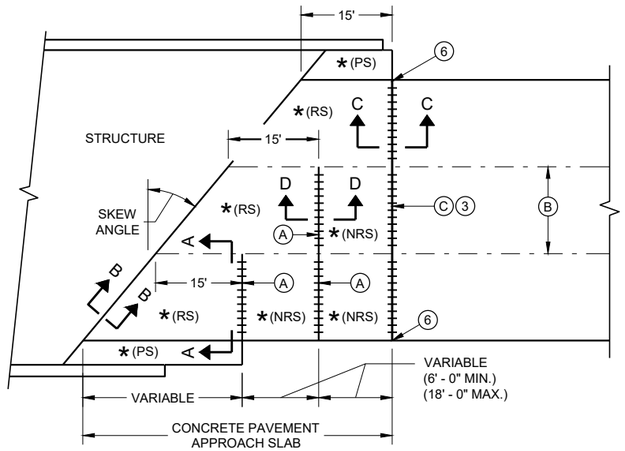
3/26/10 DATE

/S/ Scot Beck CHIEF STRUCTURAL DEVELOPMENT ENGINEER

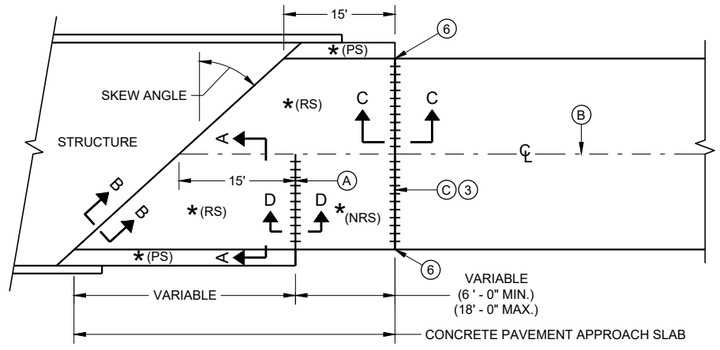
FHWA

6

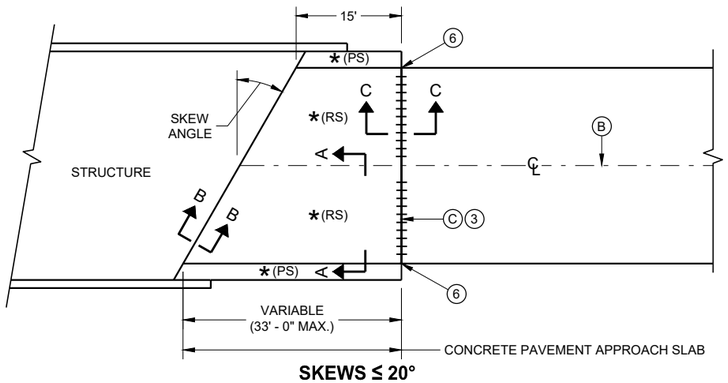
S.D.D. 12 A 3-10



SKEWED APPROACH
(PAVEMENT MORE THAN TWO LANES)



SKEWS > 20°
(PAVEMENT WIDTH ≤ 30')



SKEWS ≤ 20°
(PAVEMENT WIDTH ≤ 30')

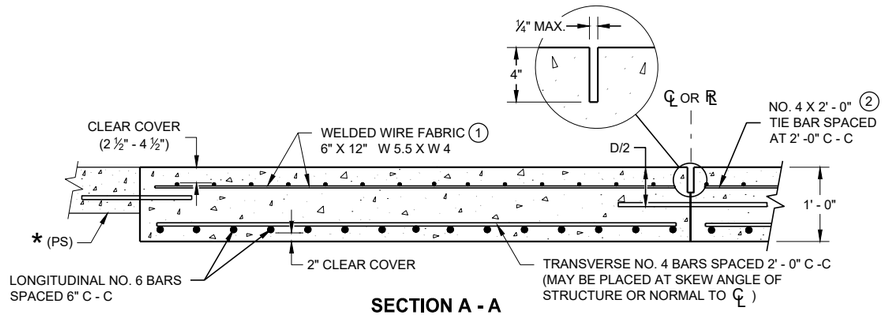
APPROACH SLAB AND ADJACENT PAVEMENT

(RS) = REINFORCED CONCRETE SLAB

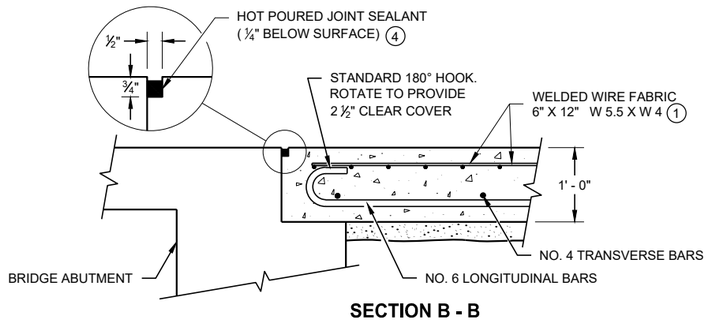
(PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB

(NRS) - NON - REINFORCED CONCRETE SLAB

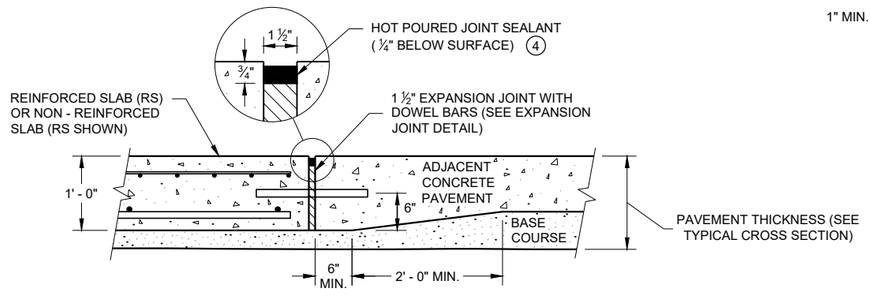
*** STANDARD DOWEL BAR DIAMETER (SEE SDD 13C11 AND SDD 13C13)



SECTION A - A
REINFORCEMENT POSITIONING DETAIL



SECTION B - B
BEND DETAIL
BOTTOM REINFORCEMENT



SECTION C - C
TRANSITION DETAIL
APPROACH SLAB TO ADJACENT PAVEMENT

GENERAL NOTES

THE CONTRACTOR MAY SPLICE NO. 6 BARS IN THE APPROACH SLAB FOR SKEWED STRUCTURES ONLY. STAGGER SPLICES WITH A MAXIMUM OF ONE SPLICE PER BAR. THE LENGTH OF LAP IS 20 INCHES.

TACK WELD DOWEL BARS TO THE BASKETS ON ALTERNATE ENDS.

(1) THE CONTRACTOR MAY USE NO. 4 BARS SPACED AT 2' - 0 " C - C IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS FOR TOP REINFORCEMENT AS AN ALTERNATIVE TO THE WELDED WIRE FABRIC.

(2) THE CONTRACTOR MAY OMIT THE BARS BETWEEN REINFORCED SLABS WHERE SLAB REINFORCEMENT BARS EXTEND ACROSS THE CENTERLINE OR REFERENCE LINE.

(3) DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

(4) USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.

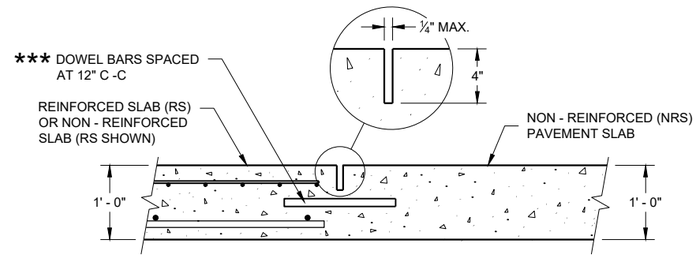
(5) PLACE EXPANSION CAP ON THE END OF THE DOWEL THAT IS NOT TACK WELDED TO THE BASKET. DO NOT FORCE DOWEL BAR PAST THE DOWEL STOP.

(6) EXTEND EXPANSION JOINT THROUGH ANY ADJACENT TIED CONCRETE.

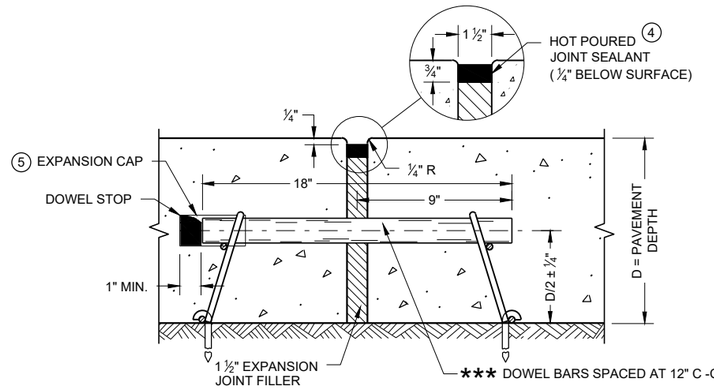
(A) STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℞.

(B) STANDARD LONGITUDINAL JOINT WITH TIE BARS.

(C) 1 ½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℞ .



SECTION D - D
CONTRACTION JOINT



EXPANSION JOINT DETAIL

CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

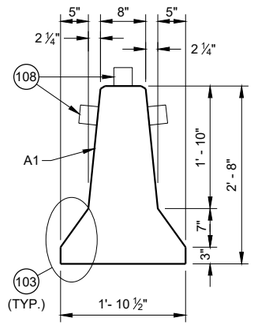
APPROVED
November 2018
DATE

/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISO

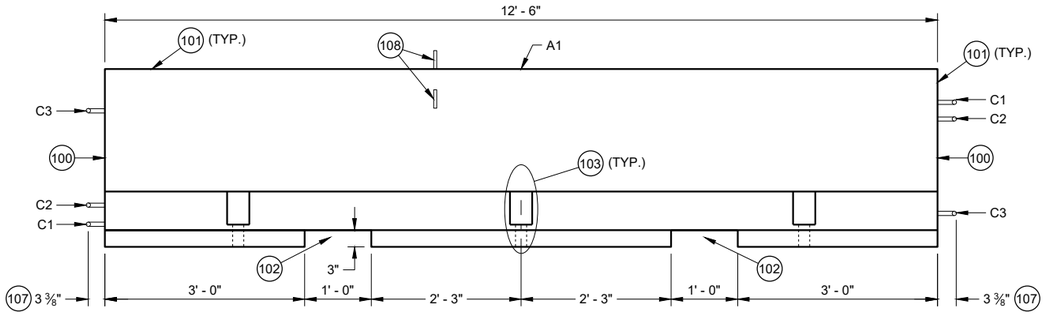
FHWA

6

SDD 13B02 - 09a



CROSS SECTION



PROFILE VIEW

GENERAL NOTES

PLACE BARRIER ON PAVED SURFACE. BEFORE PLACEMENT OF TEMPORARY BARRIER, REMOVE ALL LOOSE MATERIAL FROM PAVED SURFACE.

LOOP BARS C1, C2 AND C3 ARE NOT FOR PLACEMENT OR MOVEMENT OF BARRIER.

(100) PERMANENTLY FORM INTO ONE END OF BARRIER THE FOLLOWING INFORMATION:
- A. TYPE OF BARRIER: WI-CBTP
- B. MANUFACTURER
- C. DATE OF MANUFACTURE (MONTH AND YEAR)

(101) 1" OPTIONAL CHAMFER

(102) SEE LIFTING SLOT DETAIL

(103) SEE ANCHOR BLOCK DETAIL

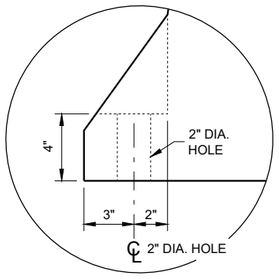
(104) 1 ¾" MIN. CLEAR COVER

(105) 2" MIN. CLEAR COVER

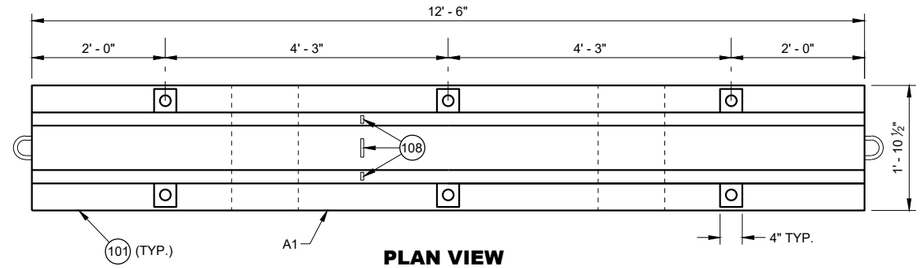
(106) 1" MIN. CLEAR COVER

(107) ± ⅛" MEASURED FROM FACE OF CONCRETE BARRIER TO OUTSIDE OF LOOP BAR (TYP.)

(108) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURERS INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED LEFT OF TRAFFIC AND WHITE WHEN BARRIER IS LOCATED RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART, PROVIDE TO MOUNTED DELINEATORS IN ADDITION TO SIDE MOUNTED DELINEATORS ON BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAT 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

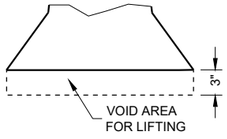


ANCHOR BLOCK DETAIL

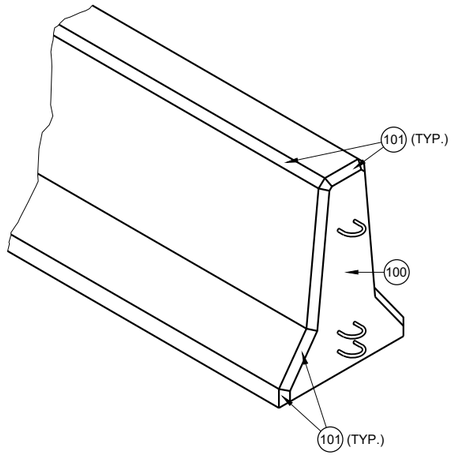


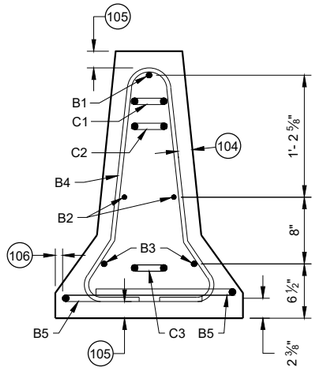
PLAN VIEW

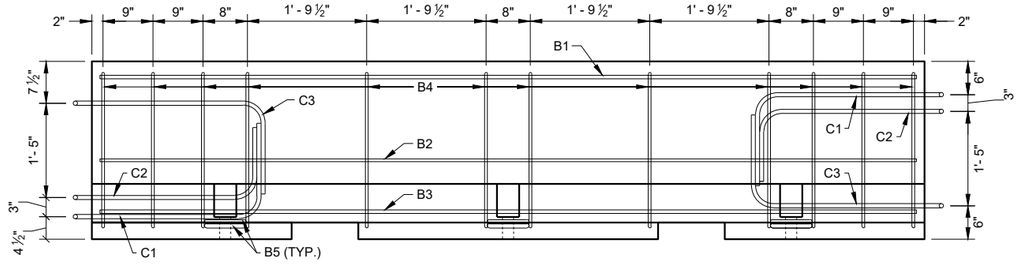
TEMPORARY BARRIER



LIFTING SLOT DETAIL (TYP.)







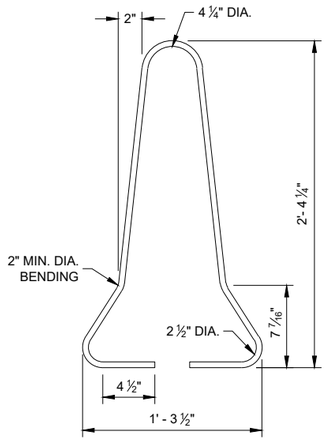
PROFILE VIEW

TEMPORARY BARRIER REINFORCEMENT

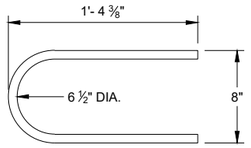
CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

6

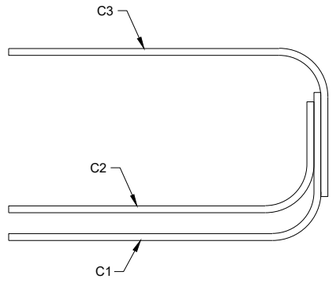
SDD14B07 - 16a



B4 BAR DETAIL

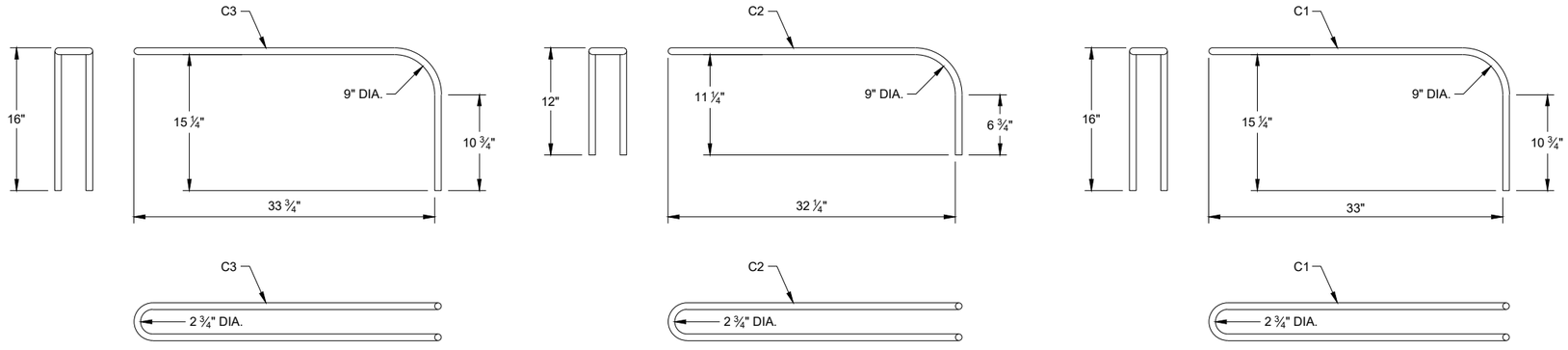


B5 BAR DETAIL



PROFILE VIEW

LOOP BAR ASSEMBLY



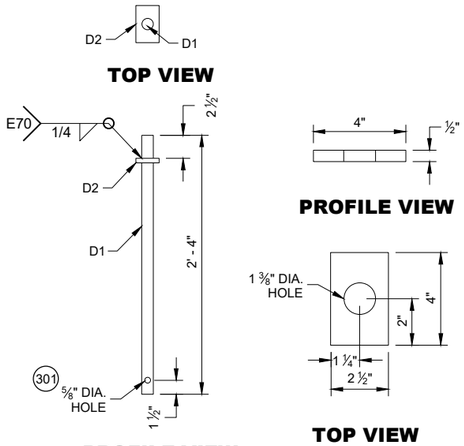
C BAR DETAILS

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

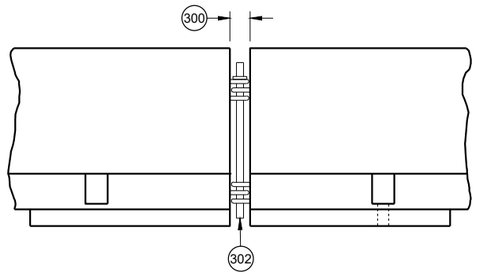
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B07 - 16b



CONNECTOR PIN ASSEMBLY



CONNECTING TEMPORARY BARRIER SECTIONS

GENERAL NOTES

300 SET WITH 3 ⅝" WOOD BLOCK.

301 HOLE IS OPTIONAL.

302 CONNECTOR PIN ASSEMBLY.

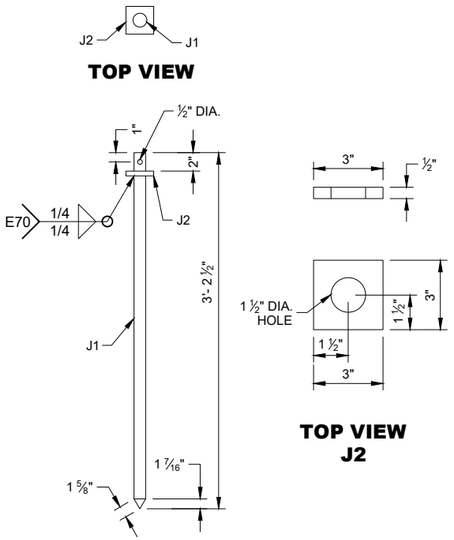
303 CONCRETE PAVEMENT, APPROACH SLAB, OR DECK.

304 CONCRETE DECK.

305 DO NOT USE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY OR CONCRETE PAVEMENT WITH ASPHALT OVERLAY.

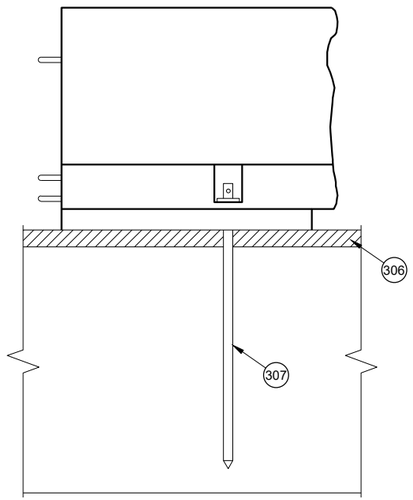
306 MINIMUM OF 2" OF ASPHALT.

307 ASPHALT ANCHOR PIN ASSEMBLY



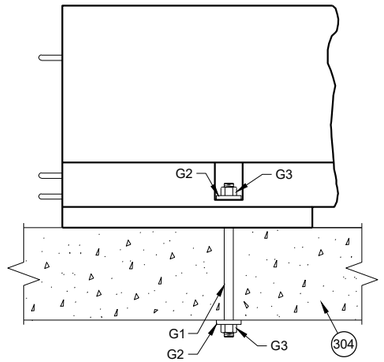
PROFILE VIEW

ASPHALT ANCHOR PIN ASSEMBLY



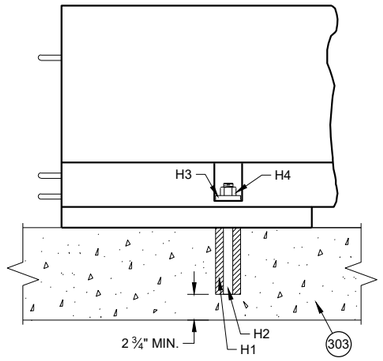
SIDE VIEW

ASPHALT ANCHOR INSTALLATION



SIDE VIEW

THROUGH BOLT ANCHOR INSTALLATION 305



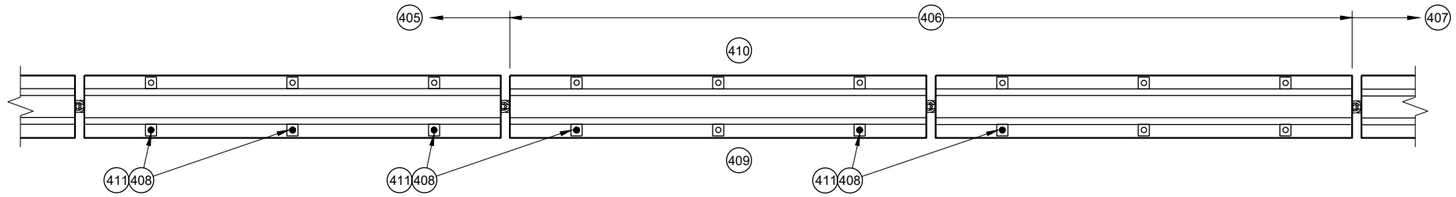
SIDE VIEW

ADHESIVE ANCHOR INSTALLATION 305

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

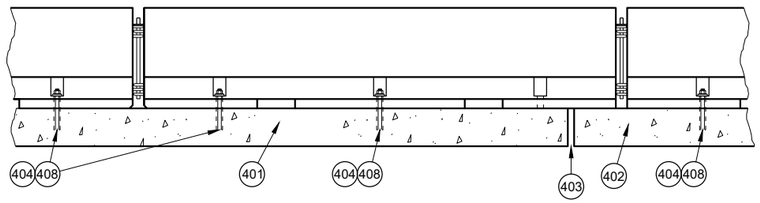
6

SDD 14B07 - 16c



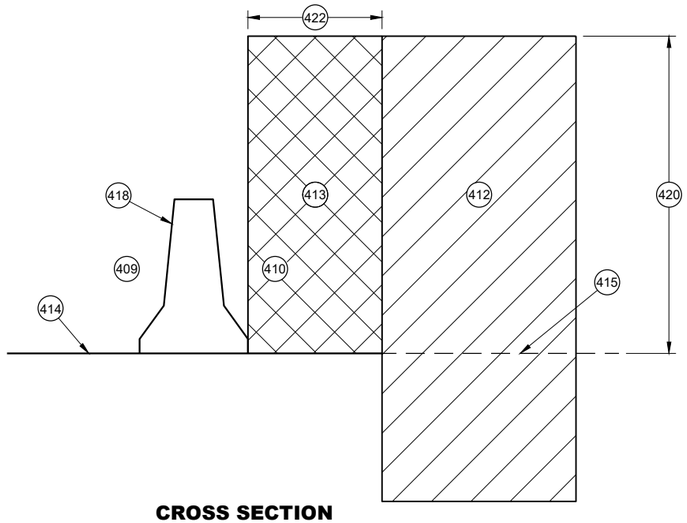
PLAN VIEW

TRANSITION FROM FREE STANDING TO ANCHORED BARRIER



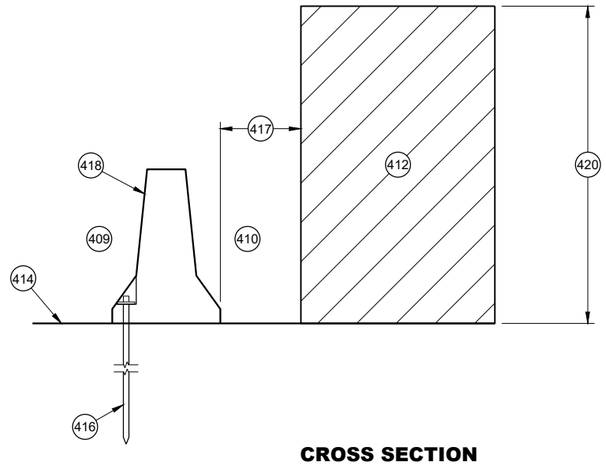
PROFILE VIEW

ANCHORED BARRIER NEAR EXPANSION JOINT (400)



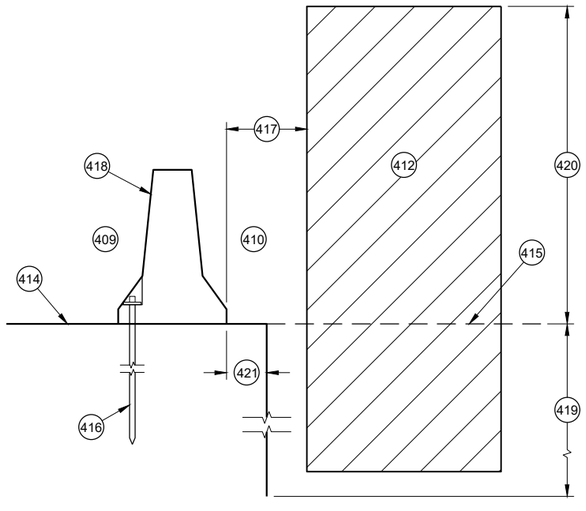
CROSS SECTION

FREE STANDING BARRIER



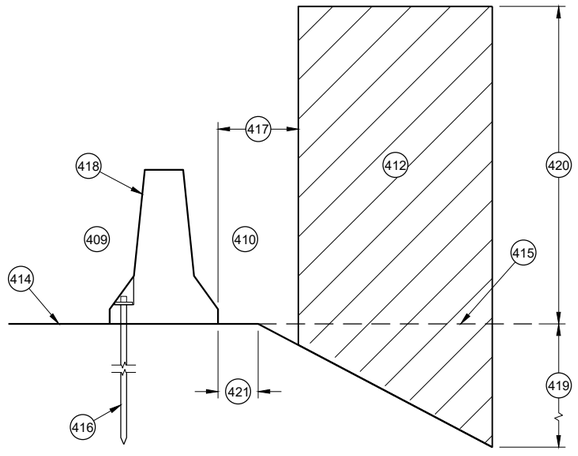
CROSS SECTION

ANCHORED BARRIER FOR OBJECTS ABOVE THE GRADE LINE AND NEAR THE BARRIER



CROSS SECTION

ANCHORED BARRIER NEAR VERTICAL DROP OFF



CROSS SECTION

ANCHORED BARRIER NEAR A SLOPE

GENERAL NOTES

(400) 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.

(401) CONCRETE DECK

(402) CONCRETE DECK OR APPROACH SLAB.

(403) EXPANSION JOINT

(404) ADHESIVE ANCHOR SHOWN. SEE ANCHOR DETAILS.

(405) ANCHORED TEMPORARY BARRIER

(406) TRANSITION FROM ANCHORED TEMPORARY BARRIER TO FREE STANDING

(407) FREE STANDING BARRIER

(408) REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERCIAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

(409) TRAFFIC SIDE

(410) NON-TRAFFIC SIDE

(411) ANCHOR LOCATION. SEE ANCHORING DETAILS.

(412) WORK AREA

(413) AREA FREE OF OBJECTS AND WORKERS

(414) GRADE LINE

(415) EXTENDED GRADE LINE

(416) ANCHORED TEMPORARY BARRIER. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR AN ASPHALT ANCHOR ROD DETAILS FOR MORE INFORMATION. ASPHALT ANCHOR ROD SHOWN.

(417) WHEN OBJECTS EXTEND ABOVE THE GRADE. A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT.

(418) OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR ALLOWED TO LEAN AGAINST THE BARRIER WITHOUT WRITTEN PERMISSION OF THE PROJECT ENGINEER.

(419) DEPTHS OF 3 FEET OR MORE.

(420) Y = 6.5'

(421) OFFSET FROM BACK OF BARRIER EDGE:

CONCRETE PAVEMENT	0.5'
ASPHALT	0.5'

(422) POSTED SPEED (MPH):

45 OR GREATER	4.0'
40 OR LOWER	2.0'

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

6

SDD 14B07 - 16d

GENERAL NOTES

(500) EXISTING RIGID BARRIERS (VARIES)

(501) TEMPORARY BARRIER

(502) SEE OTHER DETAIL ON HOW TO ANCHOR TEMPORARY BARRIER (BARRIER ASPHALT ANCHOR SHOWN).

(503) ANCHORS ARE REQUIRED ON BOTH SIDE OF THE TEMPORARY BARRIER.

(504) NESTED RAILS ARE REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS.

(505) TRAFFIC TRAVELS FROM PERMANENT BARRIER TO TEMPORARY BARRIER.

(506) TRAFFIC TRAVELS FROM TEMPORARY BARRIER TO PERMANENT BARRIER.

(507) VERTICAL BARRIER

(508) SAFETY SHAPE BARRIER

(509) SINGLE SLOPE BARRIER

(510) CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF RIGID BARRIER.

(511) BENT THRIE BEAM TO FIT.

(512) THRIE BEAM PIECES ARE OFFSET 15 ¼" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.

(513) TWO (2) P1, P2 AND P3 ARE REQUIRED

(514) FIVE (5) N1, N2 AND N3 ARE REQUIRED

(515) TWO (2) R1, R2 AND R3 ARE REQUIRED

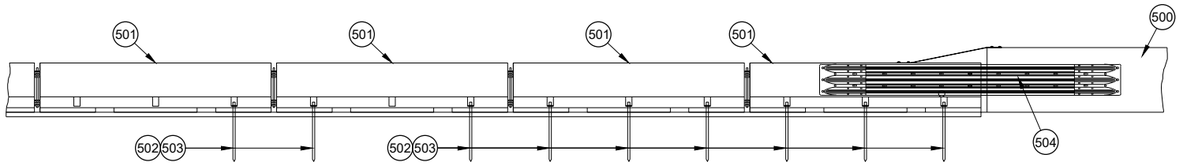
(516) CUT WOOD BLOCK TO FIT.

(517) SEE THRIE BEAM RAIL TERMINAL CONNECTOR DETAIL ASSEMBLY.

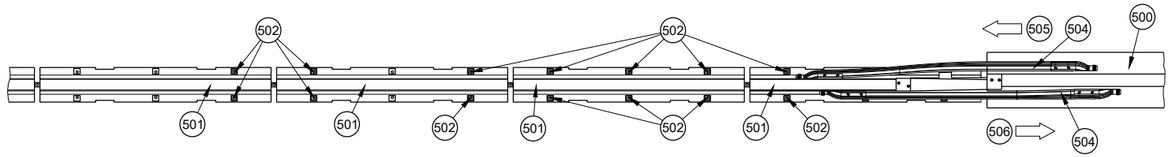
(518) CAP ASSEMBLY

(519) 4" MAX. GAP BETWEEN TEMPORARY BARRIER AND RIGID BARRIER.

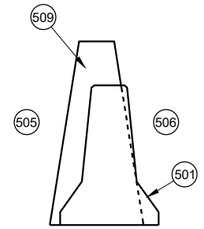
(520) ALL TWELVE SPLICE HOLES REQUIRE M1 AND M2



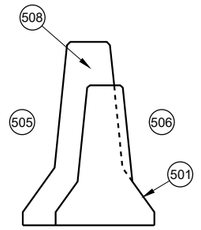
PROFILE VIEW



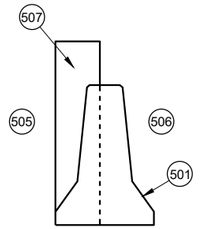
PLAN VIEW
TRANSITION TO RIGID BARRIER



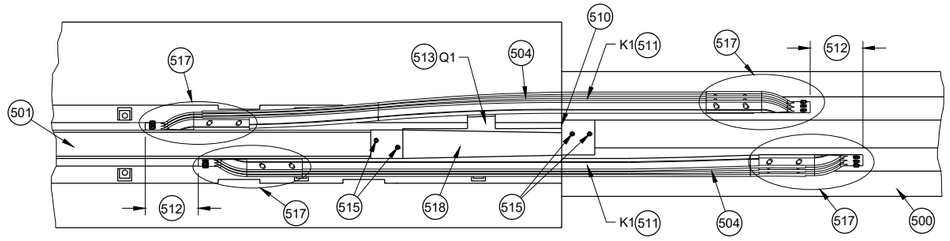
CROSS SECTION TEMPORARY BARRIER PLACEMENT SINGLE SLOPE



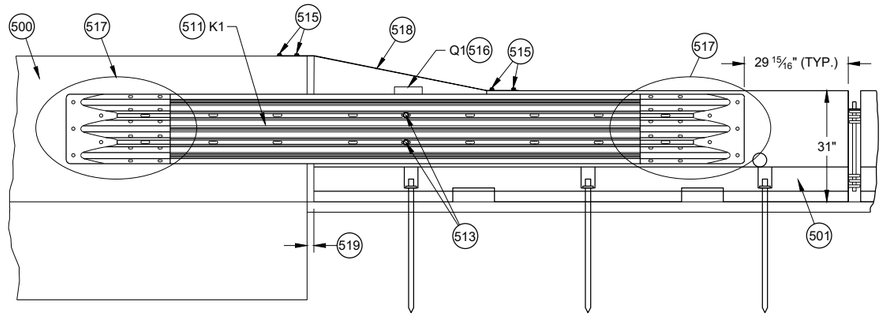
CROSS SECTION TEMPORARY BARRIER PLACEMENT SAFETY SHAPE



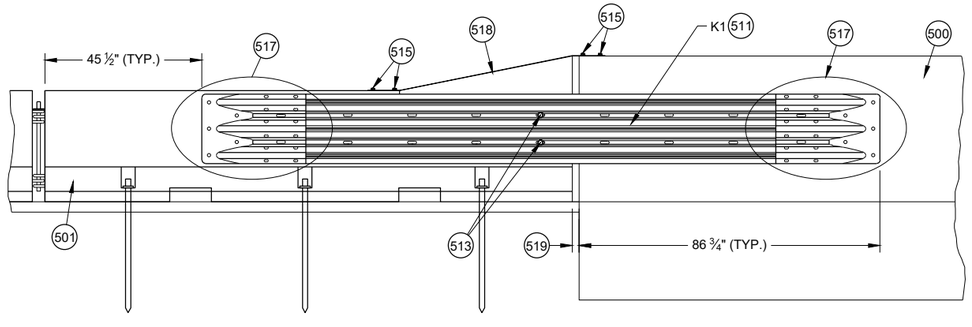
CROSS SECTION TEMPORARY BARRIER PLACEMENT VERTICAL



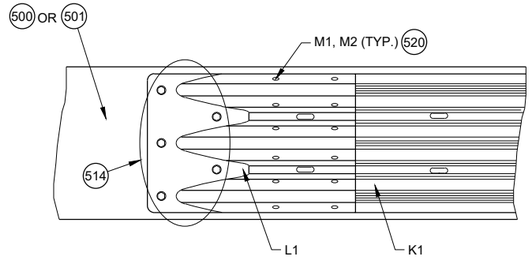
PLAN DETAIL VIEW
TRANSITION TO RIGID BARRIER



BACK DETAIL VIEW
TRANSITION TO RIGID BARRIER

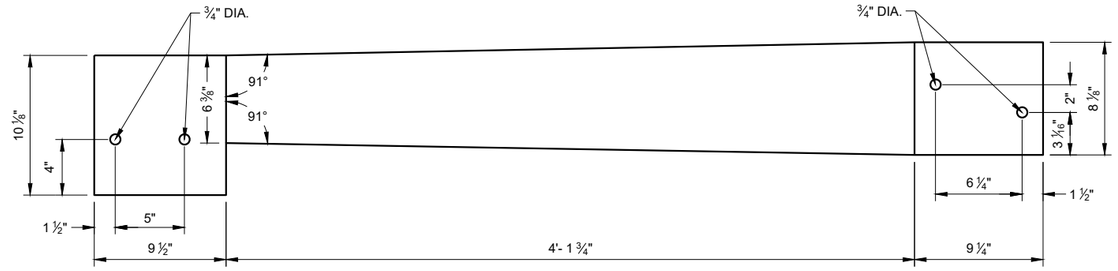


FRONT DETAIL VIEW
TRANSITION TO RIGID BARRIER



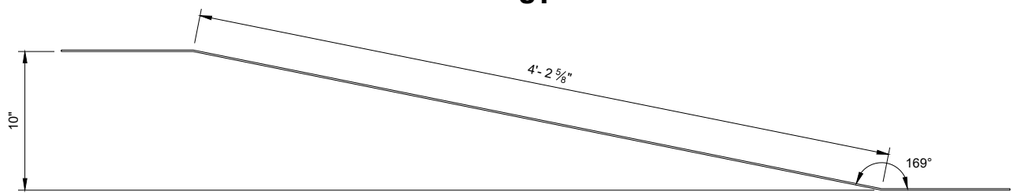
(517) **DETAIL PLAN VIEW**
THRIE BEAM RAIL TERMINAL CONNECTOR ASSEMBLY

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"



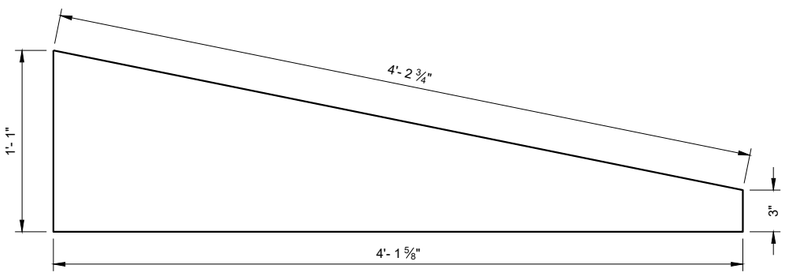
TOP VIEW

S1



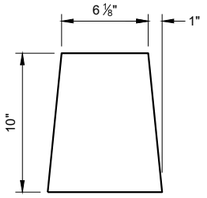
ELEVATION VIEW

S1

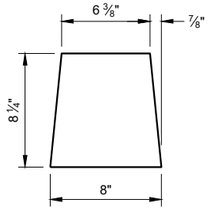


SIDE VIEW

S3



S2



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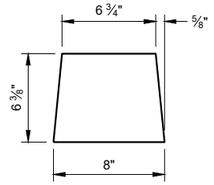
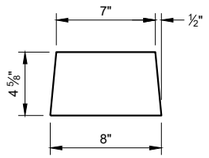
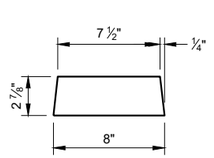


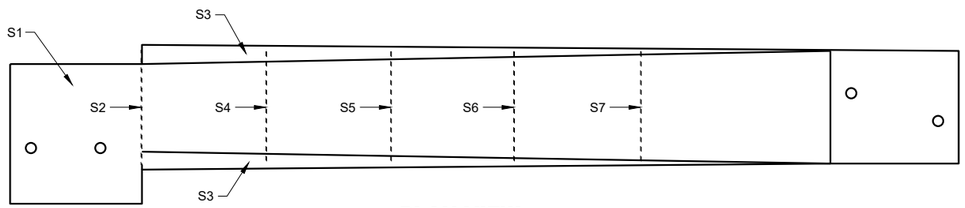
S5



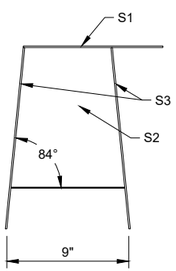
S6



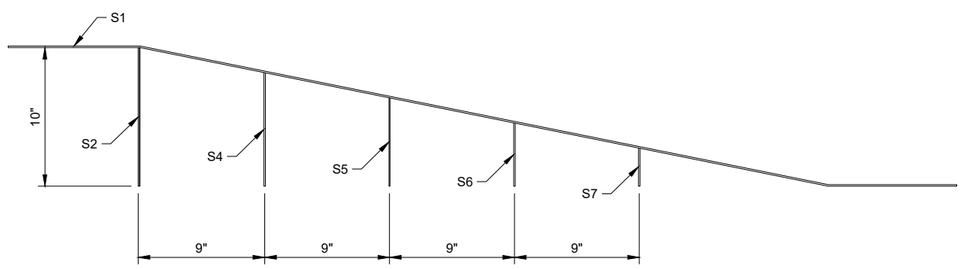
S7



PLAN VIEW



BACK VIEW



SIDE VIEW (600)

42" TOP CAP ASSEMBLY

GENERAL NOTES

STITCH WELD GUSSET PLATES AND END PLATES ON THREE SIDES

STITCH WELD TWO SIDE PLATES TO TOP PLATE, END PLATE AND GUSSETS.

(600) SIDE PLATES (S3) NOT SHOWN FOR CLARITY.

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

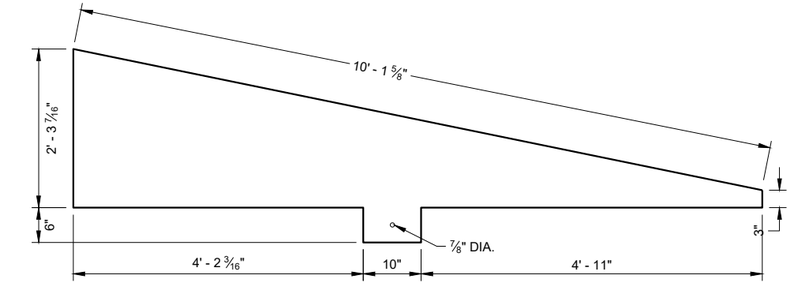
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTAT 443

6

SDD 14B07 - 16f

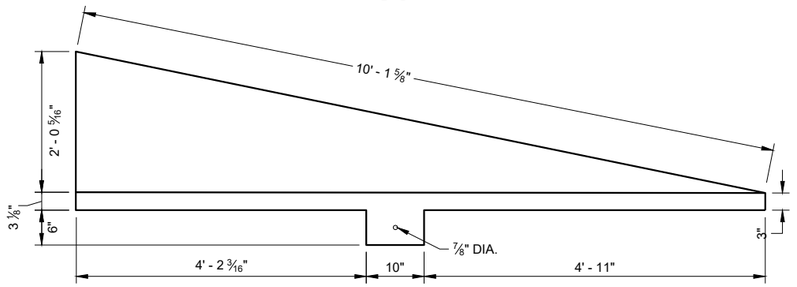
6

SDD 14B07 - 16f



SIDE VIEW
T4

END VIEW



SIDE VIEW
T3

END VIEW

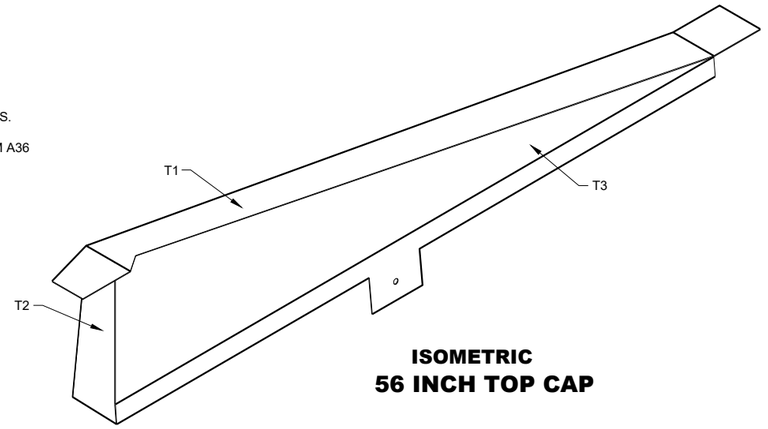
GENERAL NOTES

STITCH WELD GUSSET PLATES AND END PLATES ON THRIE SIDES

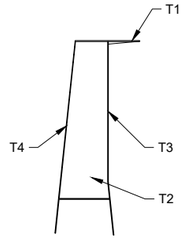
STITCH WELD TWO SIDE PLATES TO TOP PLATE, END PLATE AND GUSSETS.

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.

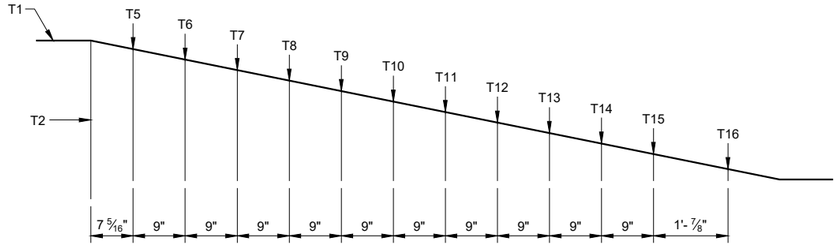
(700) SIDE PLATES (T3 AND T4) NOT SHOWN FOR CLARITY.



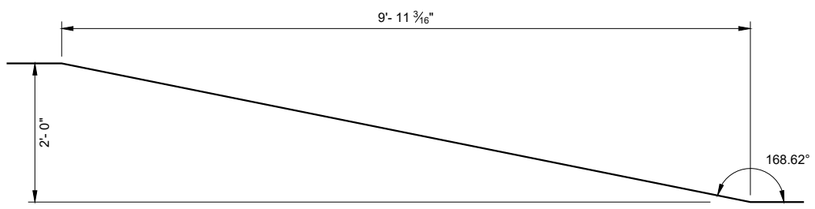
ISOMETRIC
56 INCH TOP CAP



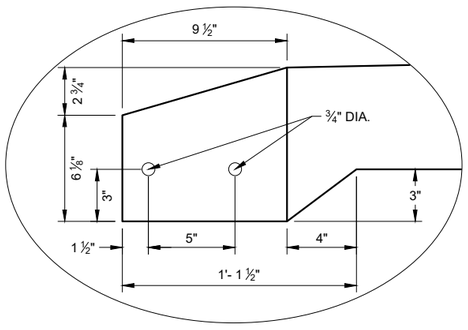
END VIEW
56 INCH TOP CAP



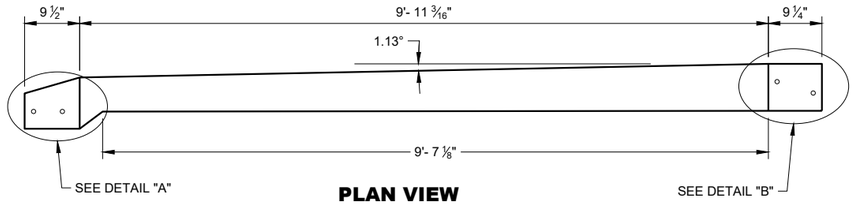
SIDE VIEW (700)
56 INCH TOP CAP



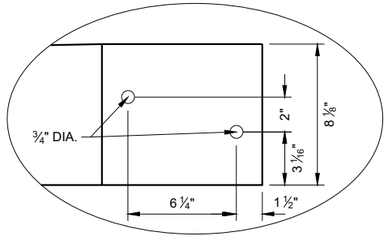
SIDE VIEW
TOP PLATE T1



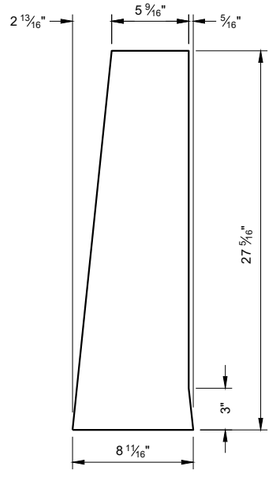
DETAIL "A"



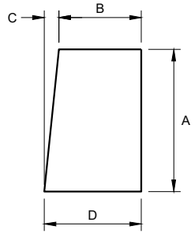
PLAN VIEW
TOP PLATE T1



DETAIL "B"



END PLATE T2



GUSSET PLATES
T5 - T16

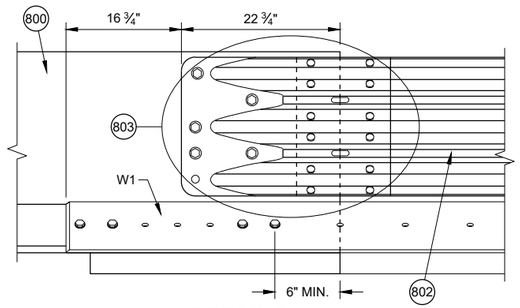
GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
T5	22 13/16"	5 1/16"	2 5/16"	8 1/16"
T6	21"	5 7/8"	2 3/16"	8 1/16"
T7	19 3/16"	6 1/16"	1 15/16"	8 1/16"
T8	17 3/8"	6 1/4"	1 13/16"	8 1/16"
T9	15 5/16"	6 7/16"	1 9/16"	8 1/16"
T10	13 3/4"	6 5/8"	1 7/16"	8 1/16"
T11	11 15/16"	6 13/16"	1 1/4"	8 1/16"
T12	10 1/8"	7"	1 1/16"	8 1/16"
T13	8 5/16"	7 3/16"	7/8"	8 1/16"
T14	6 1/2"	7 3/8"	1 1/16"	8 1/16"
T15	4 11/16"	7 9/16"	1/2"	8"
T16	2 7/8"	7 3/4"	1/4"	8"

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

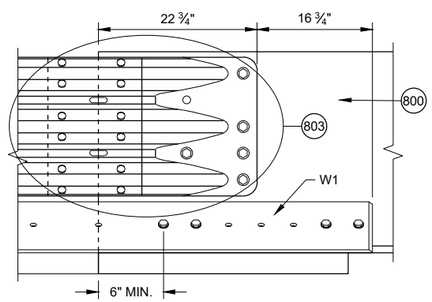
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

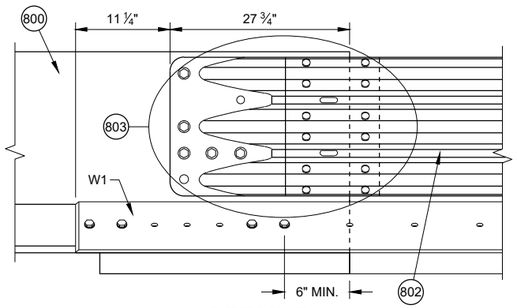
SDD 14B07 - 16g



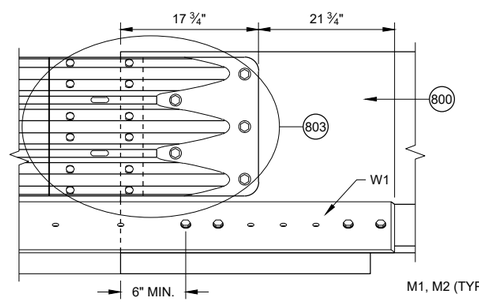
DETAIL D



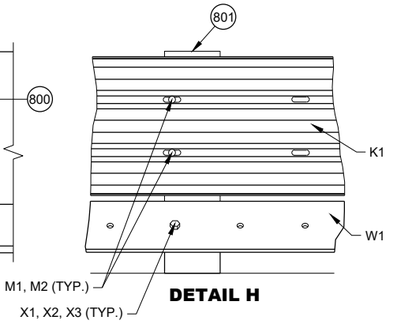
DETAIL E



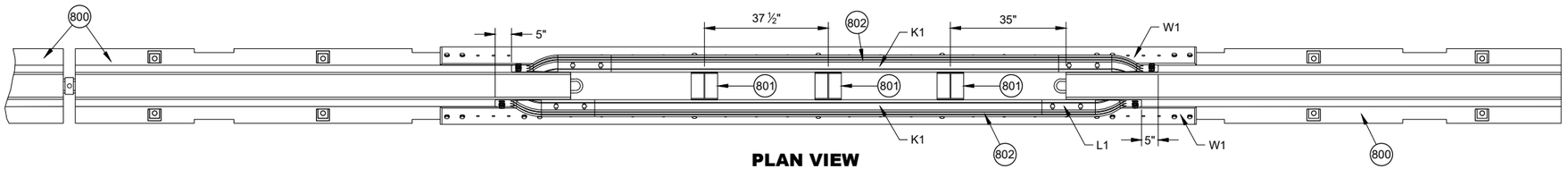
DETAIL F



DETAIL G



DETAIL H



PLAN VIEW

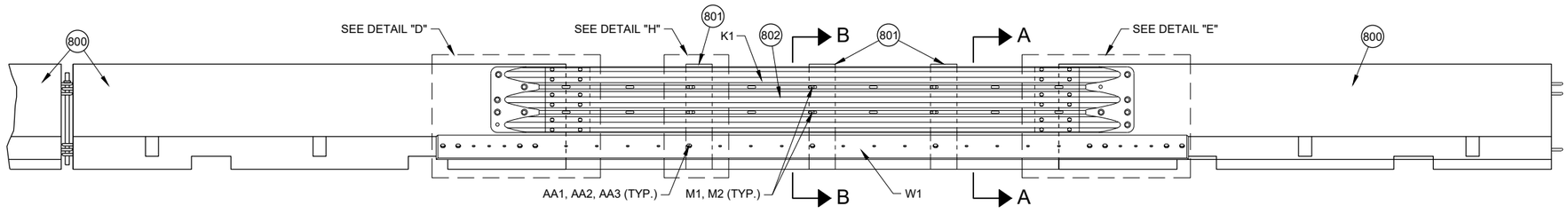
GENERAL NOTES

(800) FREE STANDING TEMPORARY BARRIER

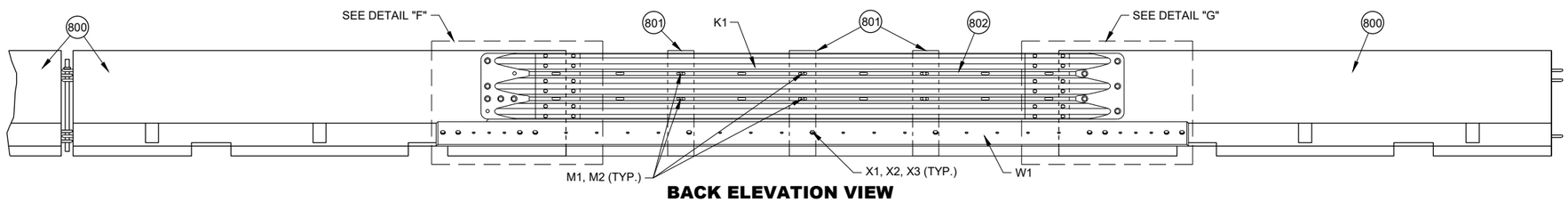
(801) GAP STIFFENER ASSEMBLY

(802) THRIE BEAMS ARE NESTED ON BOTH SIDES OF THE TEMPORARY BARRIER.

(803) SEE THRIE BEAM RAIL TERMINAL CONNECTOR DETAIL



FRONT ELEVATION VIEW



BACK ELEVATION VIEW

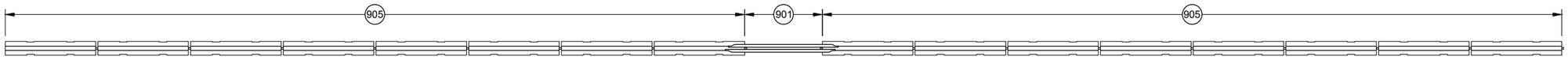
PORTABLE CONCRETE BARRIER GAP THRIE BEAM COVER

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

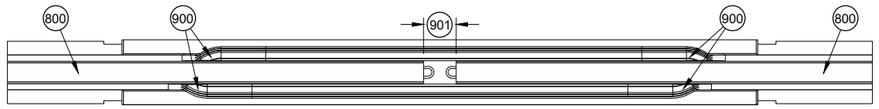
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B07 - 16h



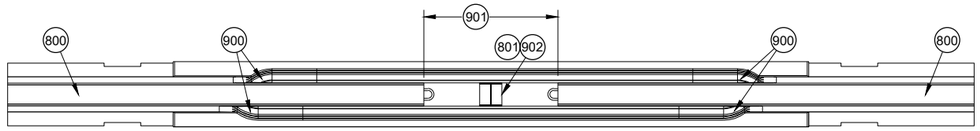
PLAN VIEW
GAP WITHIN SPACING



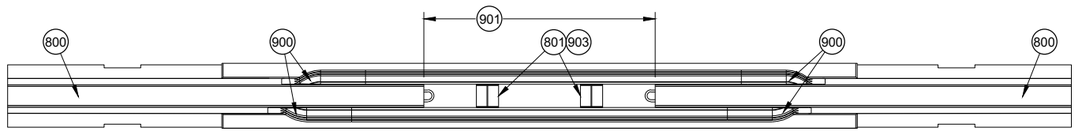
PLAN VIEW
TEMPORARY BARRIER GAP OVER 4" TO 1' MAX. (904)

GENERAL NOTES

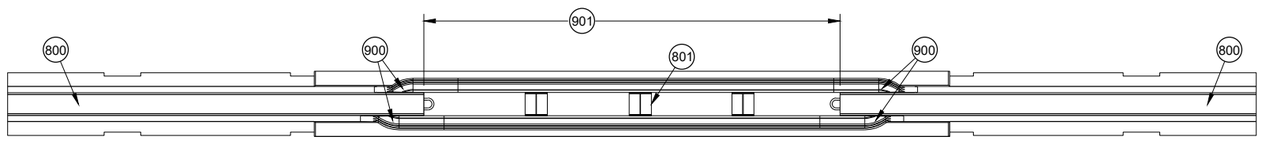
(900) SEE OTHER DETAILS FOR TEMPORARY GAP HARDWARE (TYP.)
(901) TEMPORARY BARRIER GAP
(902) GAP STIFFENER ASSEMBLY CENTERED IN THE GAP.
(903) GAP STIFFENER ASSEMBLY IS OFFSET 18 ¾" FROM CENTER
(904) MINIMUM NUMBER OF GAP STIFFENERS SHOWN FOR THE GAP RANGE SHOWN.
(905) MINIMUM OF 8 CONTINUOUS FREE STANDING TEMPORARY BARRIERS



PLAN VIEW
TEMPORARY BARRIER GAP OVER 1' TO 4' MAX. (904)



PLAN VIEW
TEMPORARY BARRIER GAP OVER 4' TO 7' MAX. (904)



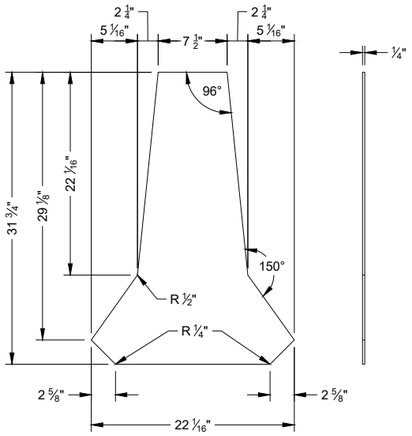
PLAN VIEW
TEMPORARY BARRIER GAP OVER 7' TO 12.5' MAX. (904)

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

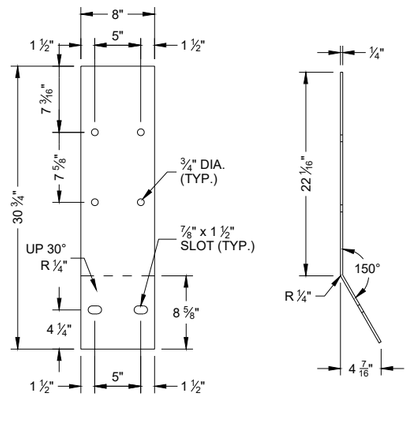
6

SDD 14B07 - 16i



PROFILE VIEW SIDE VIEW

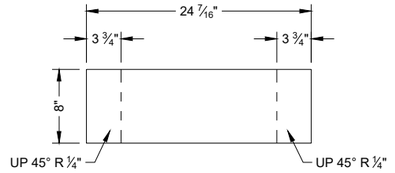
STIFFENER ASSEMBLY CENTER PANEL U1



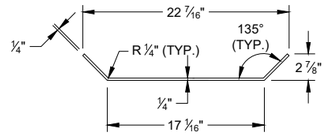
FLAT PATTERN

SIDE VIEW

STIFFENER ASSEMBLY SIDE PANEL U2

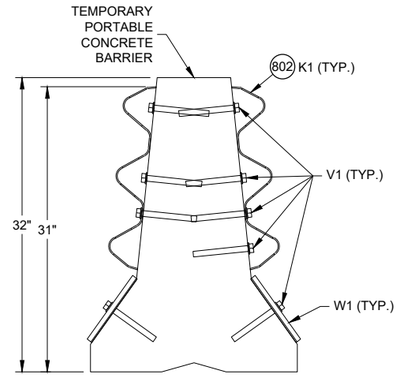


FLAT PATTERN

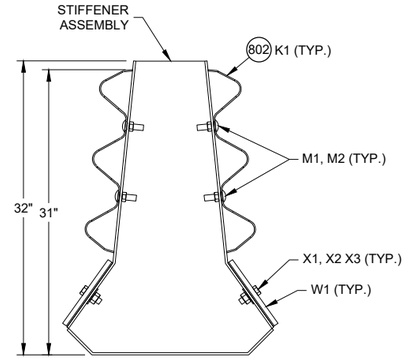


PROFILE VIEW

STIFFENER ASSEMBLY BOTTOM PANEL U3

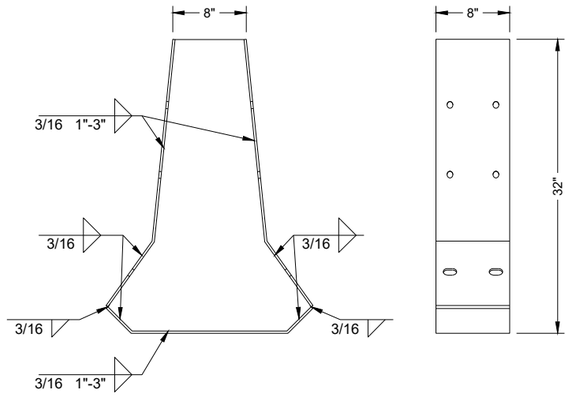


SECTION A - A



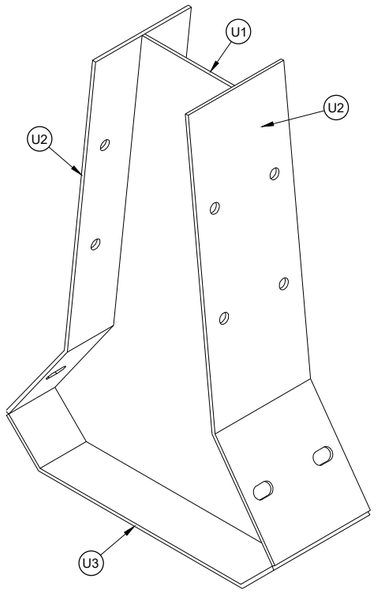
SECTION B - B

PLAN VIEW



PROFILE VIEW

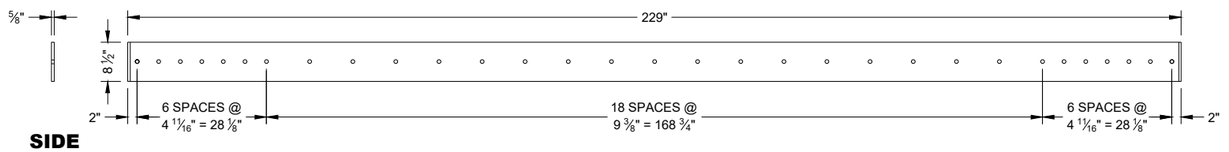
SIDE VIEW



ISOMETRIC

GAP STIFFENER ASSEMBLY

PLAN VIEW



SIDE VIEW

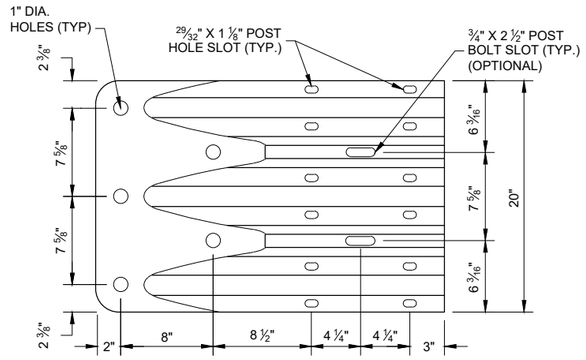
ELEVATION VIEW

W1 TOE PLATE

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

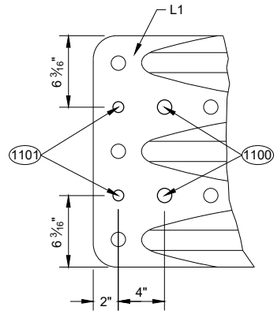
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 14B07 - 16j



ELEVATION VIEW

THRIE BEAM TERMINAL CONNECTOR



ELEVATION VIEW

ADDITIONAL THRIE BEAM (1102) TERMINAL CONNECTOR HOLE DETAIL

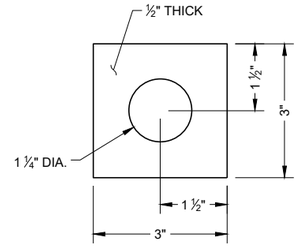


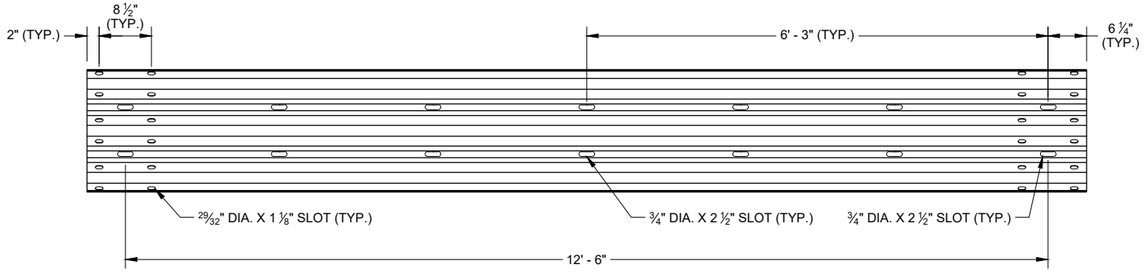
PLATE WASHER DETAIL G2, H3

GENERAL NOTES

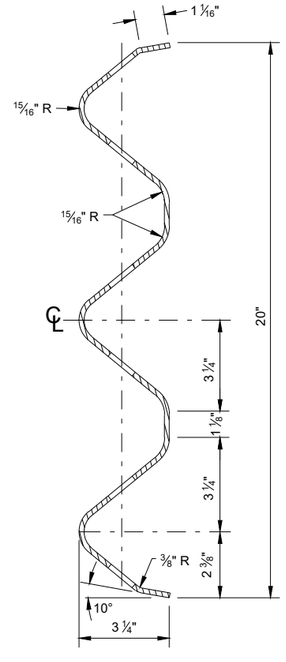
(1100) 1" DIA. HOLE

(1101) 3/4" DIA. HOLE

(1102) PROVIDE HOLES IN THRIE BEAM TERMINAL CONNECTOR TO LIMIT STEEL REINFORCEMENT OR LOOP BAR CONFLICT. CONTRACTOR MAY FIELD DRILL ADDITIONAL HOLE OR PROVIDE THRIE BEAM TERMINAL CONNECTOR WITH ADDITIONAL HOLES FROM SUPPLIER.



SLOTTED THRIE BEAM RAIL K1



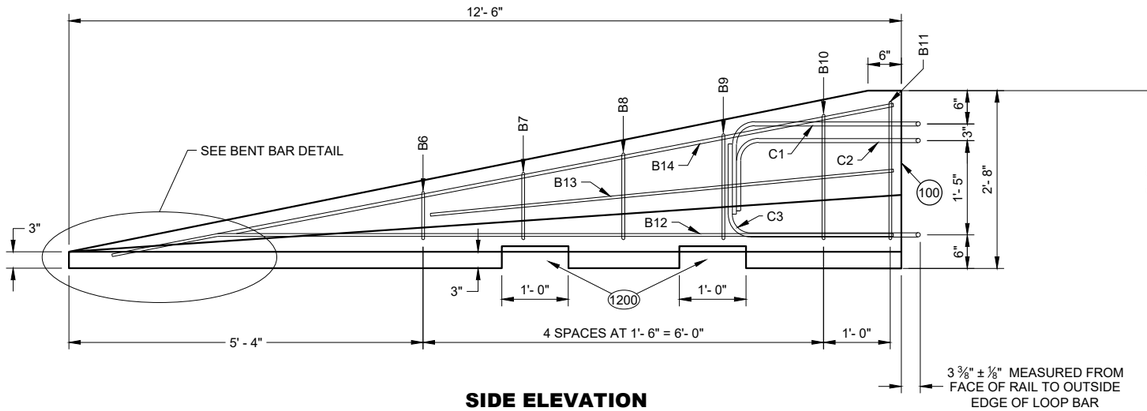
SECTION THROUGH BEAM K1

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

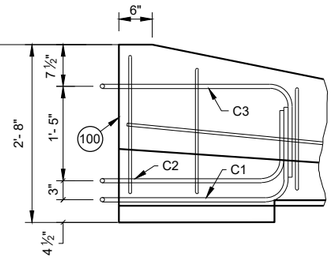
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B07 - 16k



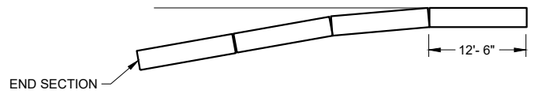
SIDE ELEVATION
(FOR CONNECTION TO LEFT END OF BARRIER)



SIDE ELEVATION
LOOP BAR ASSEMBLY INVERTED FOR OPPOSITE END
(FOR CONNECTION TO RIGHT END OF BARRIER)

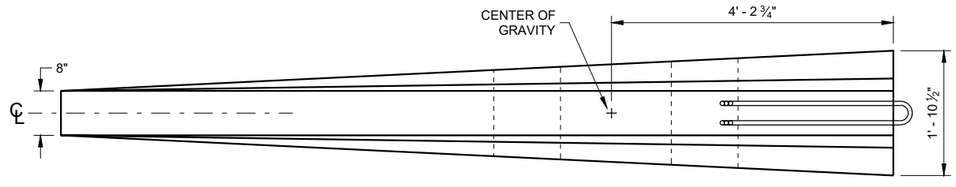
GENERAL NOTES

(1200) SEE LIFTING SLOT DETAIL. LOCATION OF LIFTING SLOTS DETERMINED BY CONTRACTOR.

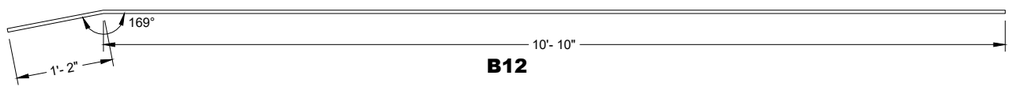


FLARE AT BARRIER END

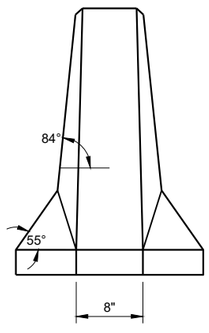
POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1



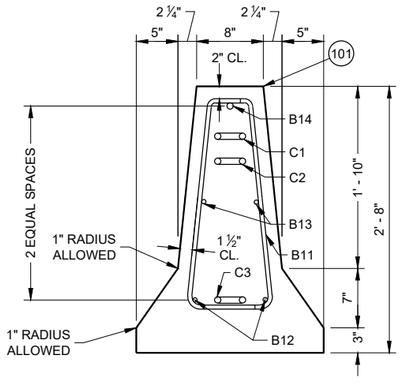
PLAN VIEW



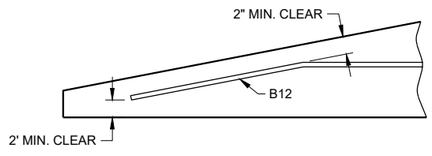
B12



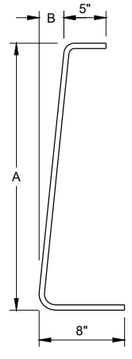
FRONT ELEVATION



END SECTION



BENT BAR DETAIL



BAR	A	B
B6	10"	1"
B7	1'- 1"	1 ¼"
B8	1'- 5"	1 ⅝"
B9	1'- 8"	1 ⅞"
B10	2'- 0 ½"	2 ⅜"
B11	2'- 3"	2 ¾"

B BARS
2 OF EACH SIZE REQUIRED FOR STIRRUP ASSEMBLY

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B07 - 16I

BILL OF MATERIALS - CONCRETE BARRIER PRECAST

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	PRECAST TEMPORARY BARRIER - CONCRETE	MIN. = f'c 5000 PSI	
B1	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 12'-2"
B2	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 12'-2"
B3	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 12'-2"
B4	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 6'-0"
B5	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#6 REBAR, LENGTH 2'-11"
B6	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 1'-11"
B7	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-2"
B8	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-6"
B9	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-9"
B10	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 3'-2"
B11	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 3'-4"
B12	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 12'-0"
B13	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 7'-9"
B14	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 11'-9"
C1	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
C2	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
C3	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
D1	CONNECTION PIN - ROD	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	1 ¼" DIA.
D2	CONNECTION PIN - TOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
G1	BOLT THROUGH ANCHOR - THREADED ROD	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 A307 GRADE A OR SAE J429 GRADE 2 UNC	1 ⅛" DIA.
G2	BOLT THROUGH ANCHOR - WASHER, SQUARE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
G3	BOLT THROUGH ANCHOR - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
H1	ADHESIVE ANCHOR - ADHESIVE	ICC-ES-AC308 5 ¼" EMBEDMENT WITH A MIN. STRENGTH OF 1,800 PSI. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
H2	ADHESIVE ANCHOR - THREADED ROD	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 A307 GRADE A / SAE J429 GRADE 2 UNC	1 ⅛" DIA.
H3	ADHESIVE ANCHOR - WASHER, SQUARE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
H4	ADHESIVE ANCHOR - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
J1	ASPHALT ANCHOR PIN - ROD	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	1 ½" DIA.
J2	ASPHALT ANCHOR PIN - STOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
K1	THRIE BEAM RAIL	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER	12 GAUGE
L1	THRIE BEAM RAIL - TERMINAL	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER	12 GAUGE

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
M1	SPLICE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	⅝" DIA.
M2	SPLICE BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
N1	THRIE BEAM RAIL TERMINAL - MECHANICAL ANCHOR	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	¾" DIA. LENGTH 6"
N2	THRIE BEAM RAIL TERMINAL - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
N3	THRIE BEAM RAIL TERMINAL MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
P1	THRIE BEAM RAIL CONNECTION 1-BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	¾" DIA.
P2	THRIE BEAM RAIL CONNECTION 1-WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
P3	THRIE BEAM RAIL CONNETION 1- MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
Q1	BLOCK WOOD	SEE STANDARD SPEC. 614	
R1	CAP - BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	⅝" DIA.
R2	CAP- BOLT - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
R3	CAP - BOLT - MECHANICAL ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	12 GAUGE
S1	CAP 42-INCH TOP PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S2	CAP 42-INCH END PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S3	CAP 42-INCH SIDE PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S4	CAP 42-INCH GUSSET 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S5	CAP 42-INCH GUSSET 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S6	CAP 42-INCH GUSSET 3	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S7	CAP 42-INCH GUSSET 4	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE

6

SDD14B07 - 16m

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTAT

6

SDD14B07 - 16m

BILL OF MATERIALS - CONCRETE BARRIER PRECAST

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
T1	CAP 56-INCH TOP PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T2	CAP 56-INCH END PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T3	CAP 56-INCH SIDE PLATE 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T4	CAP 56-INCH SIDE PLATE 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T5	CAP 56-INCH GUSSET 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T6	CAP 56-INCH GUSSET 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T7	CAP 56-INCH GUSSET 3	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T8	CAP 42-INCH GUSSET 4	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T9	CAP 42-INCH GUSSET 5	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T10	CAP 42-INCH GUSSET 6	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T11	CAP 42-INCH GUSSET 7	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T12	CAP 42-INCH GUSSET 8	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T13	CAP 42-INCH GUSSET 9	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T14	CAP 42-INCH GUSSET 10	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T15	CAP 42-INCH GUSSET 11	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T16	CAP 42-INCH GUSSET 12	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
U1	GAP STIFFENER	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	
U2	GAP STIFFENER - CONNECTOR PLATE 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	
U3	GAP STIFFENER - CONNECTOR PLATE 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
V1	THRIE BEAM RAIL TERMINAL MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS ULTIMATE TENSILE LOAD 24.0 KIPS AND ULTIMATE SHEAR LOAD 21.5 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	¾" DIA.
V2	GAP STIFFENER - BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C O R MECHANICAL GALVANIZE TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
W1	TOE PLATE	AASHTO M111/ASTM A123 ASTM A36 MIN STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	
X1	TOE PLATE - CONNECTION BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 UNC HEAVY HEX HEAD OR AASTHO M180 HEAD, ASTM F3125 GRADE A325 TYPE 1 HEAVY HEX HEAD OR SAE J429 GRADE 5 HEAVY HEX HEAD / ASTM A449 TYPE 1 HEAVY HEX HEAD. BOLTS MAY BE FULLY THREADED. PROVIDE ENOUGH THREADING FOR PROPER TIGHTENING OF BOLT.	¾" DIA.
X2	TOE PLATE - CONNECTION BOLT - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1 (HARDEN WASHER ONLY)	
X3	TOE PLATE - CONNECTION BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	

6

SDD 14B07 - 16n

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

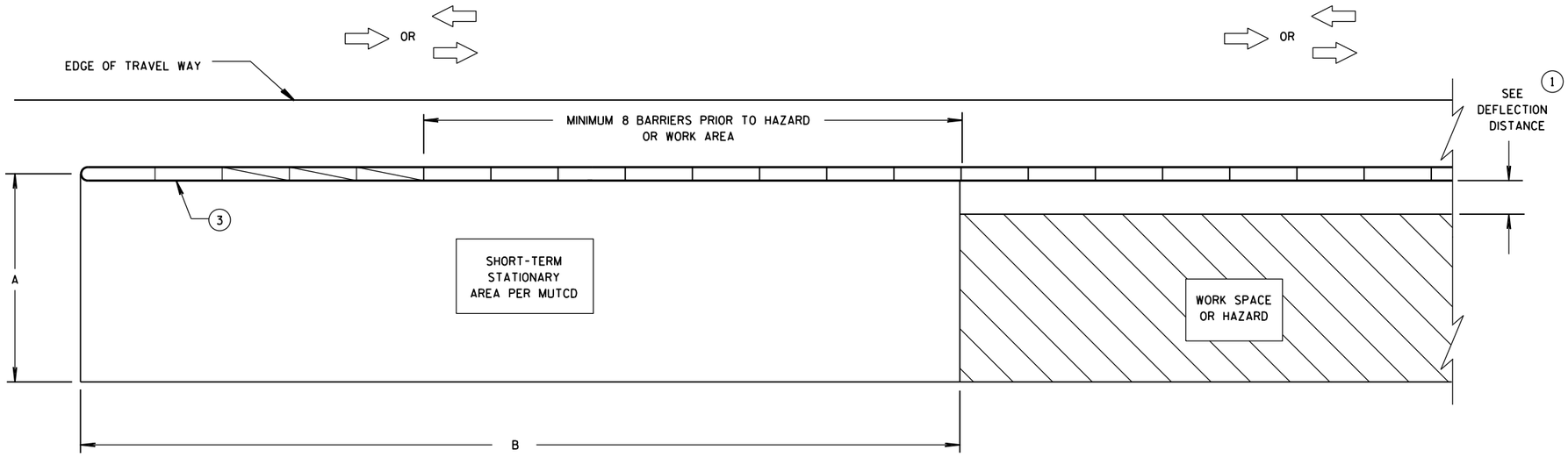
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD 14B07 - 16n



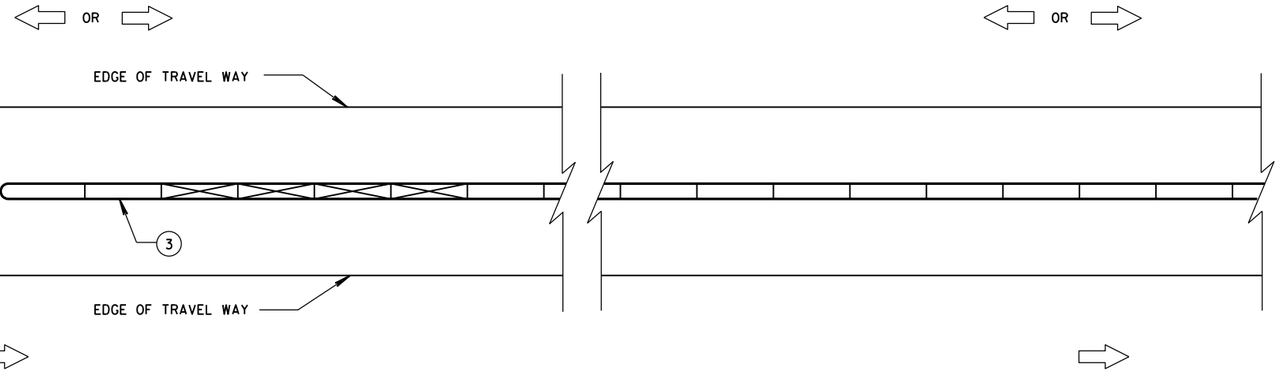
CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER

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.

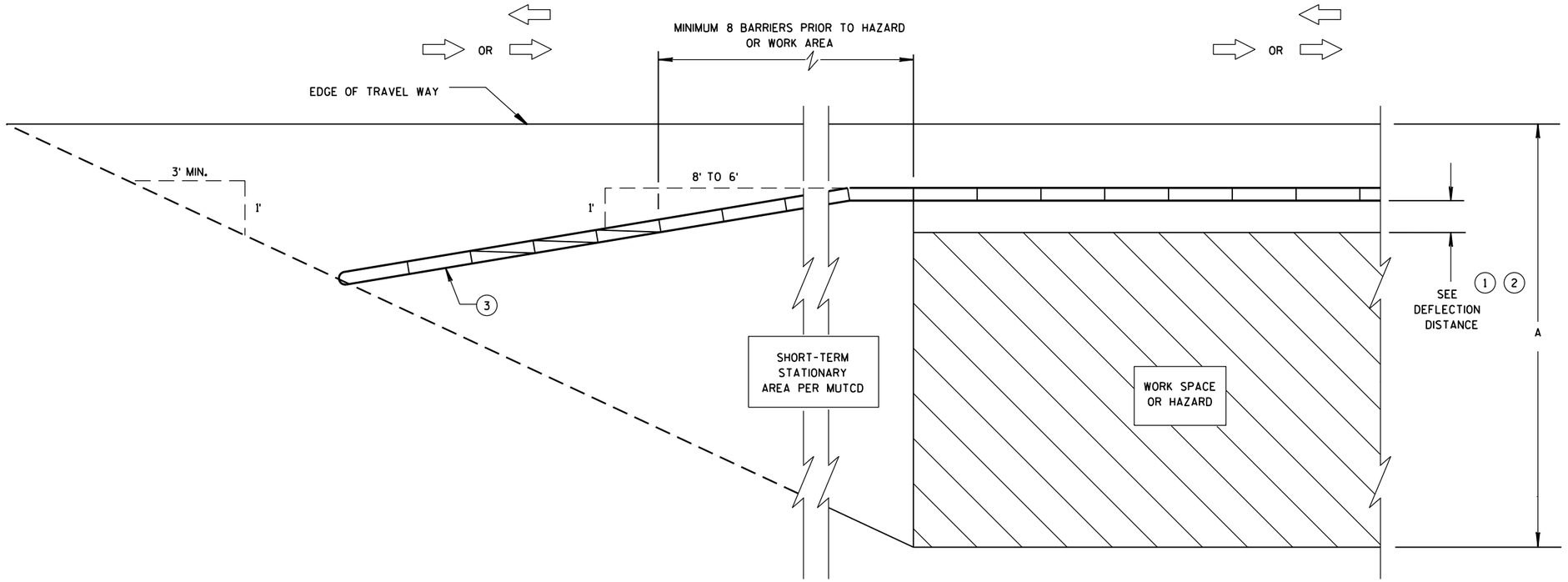
(3) ANCHOR TEMPORARY BARRIER ACCORDING TO CRASH CUSHION OR SAND BARREL MANUFACTURER'S RECOMMENDATIONS. IF MANUFACTURER'S RECOMMENDATIONS ARE NOT PROVIDED, ANCHOR 3 PINS ON TRAFFIC SIDE.

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

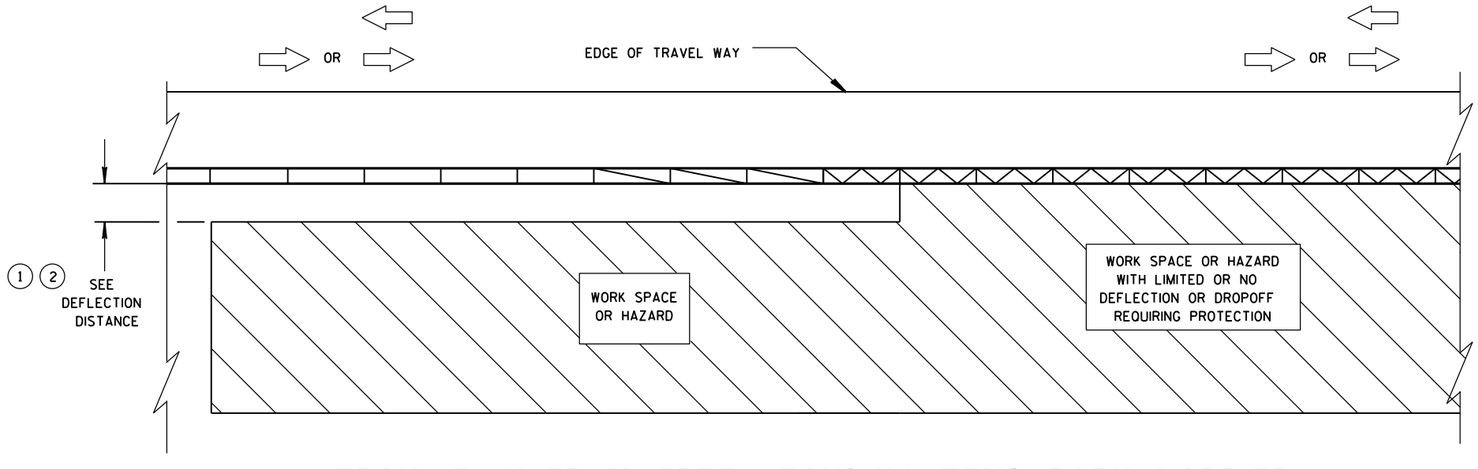
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

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

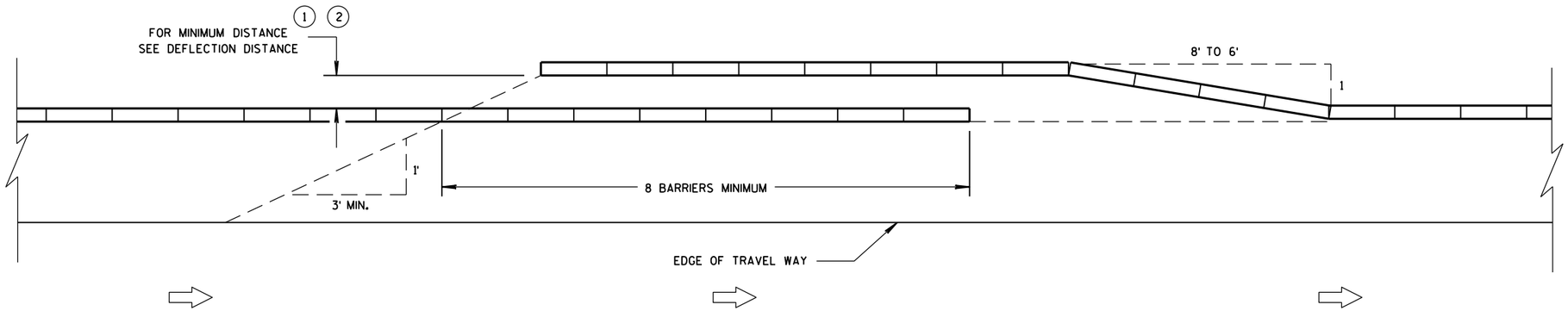
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

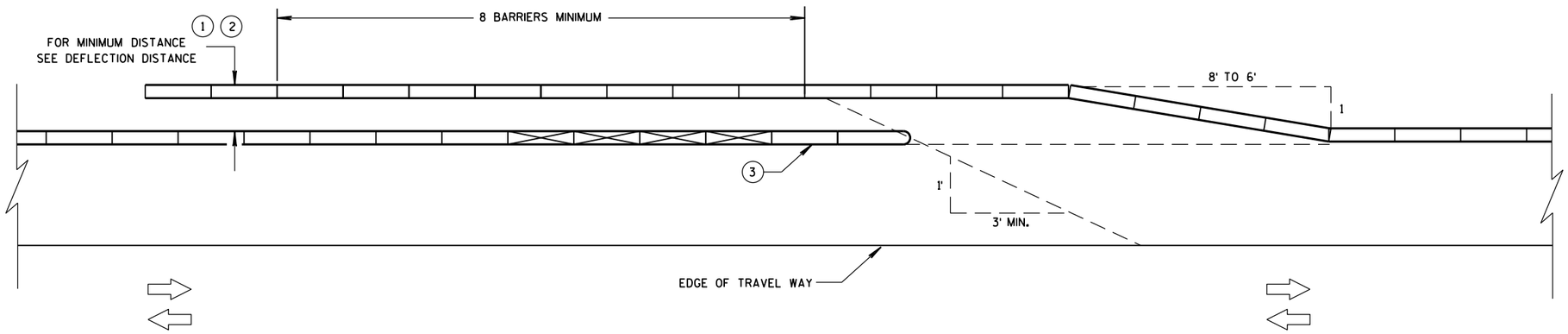
S.D.D. 14 B 8-2b

6

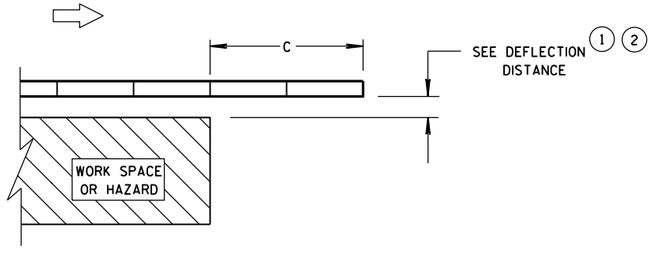
S.D.D. 14 B 8-2b



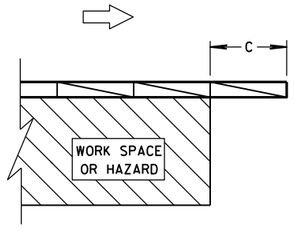
TEMPORARY BARRIER OVERLAP - ONE-WAY TRAFFIC



TEMPORARY BARRIER OVERLAP - TWO-WAY TRAFFIC



ENDING TEMPORARY BARRIER DOWNSTREAM - UNANCHORED



ENDING TEMPORARY BARRIER DOWNSTREAM - ANCHORED

LEGEND

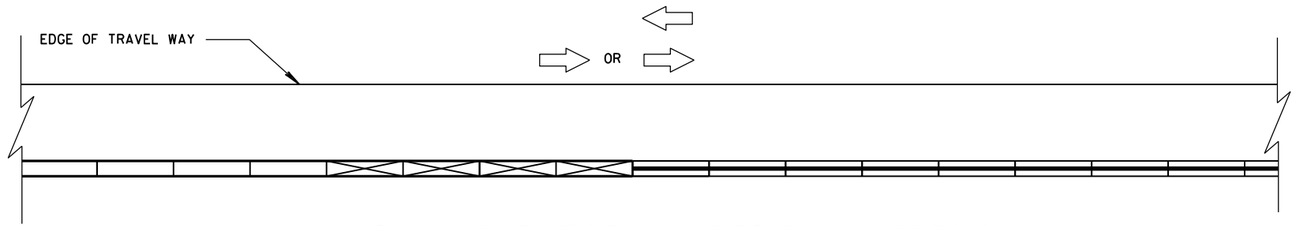
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

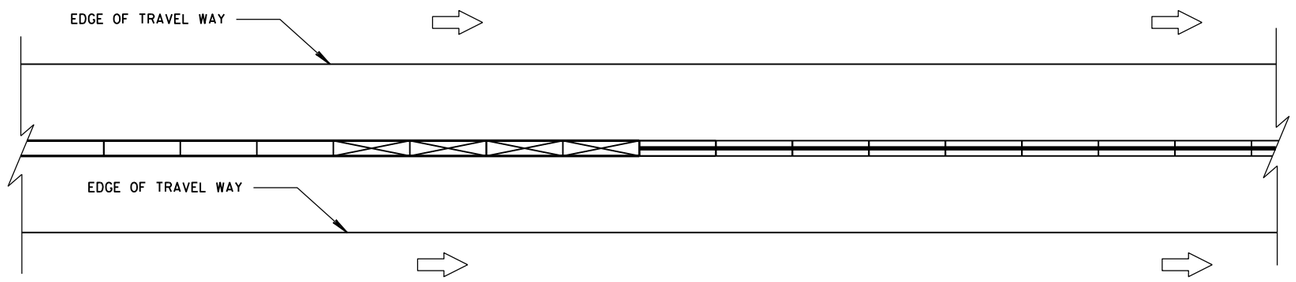
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 8-2c



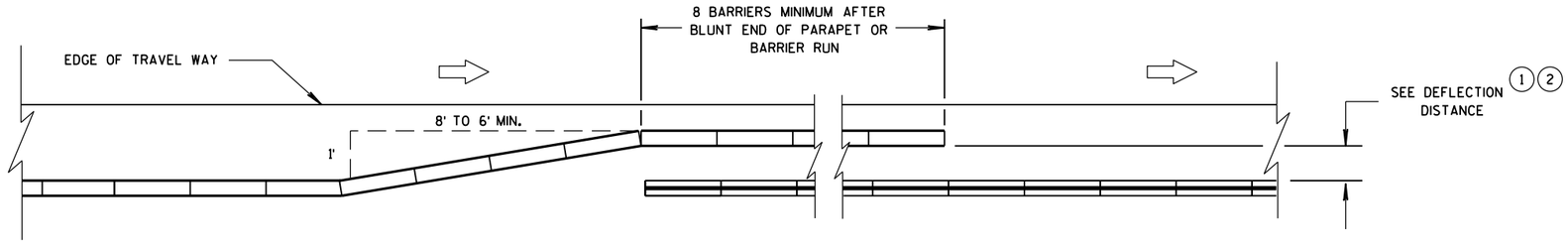
CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON ONE SIDE



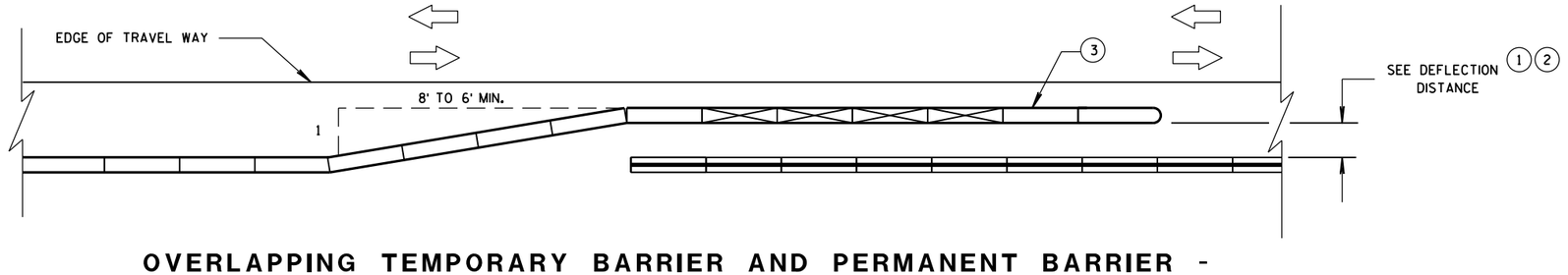
CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON BOTH SIDES

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

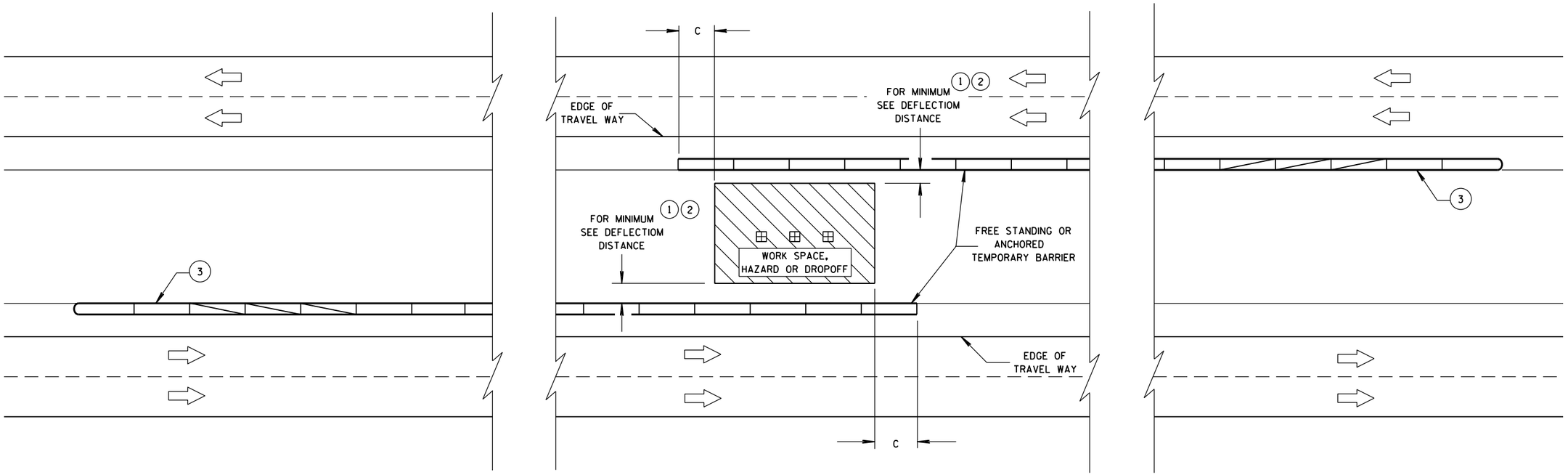
3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

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



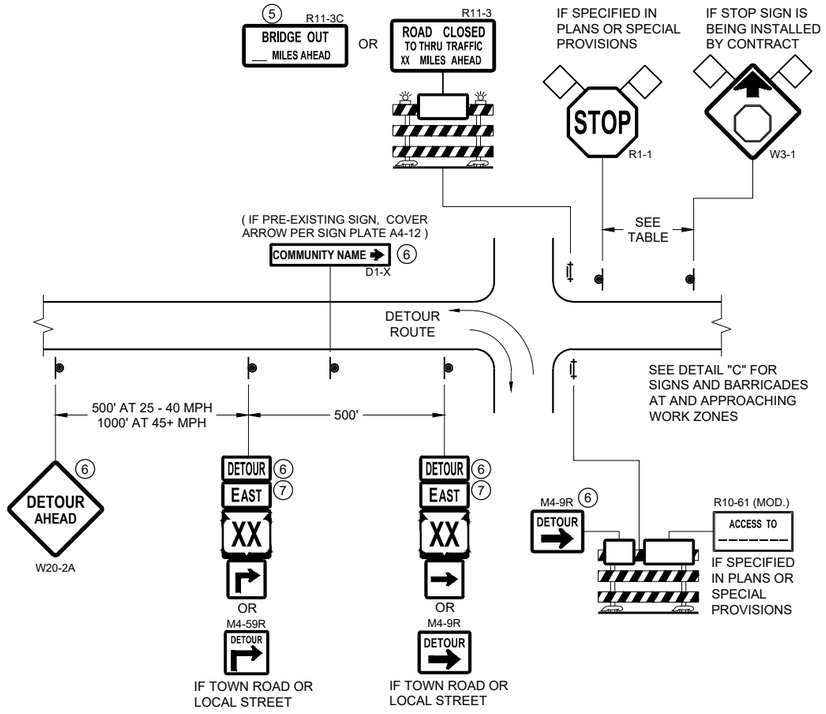
CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINNER
FHWA

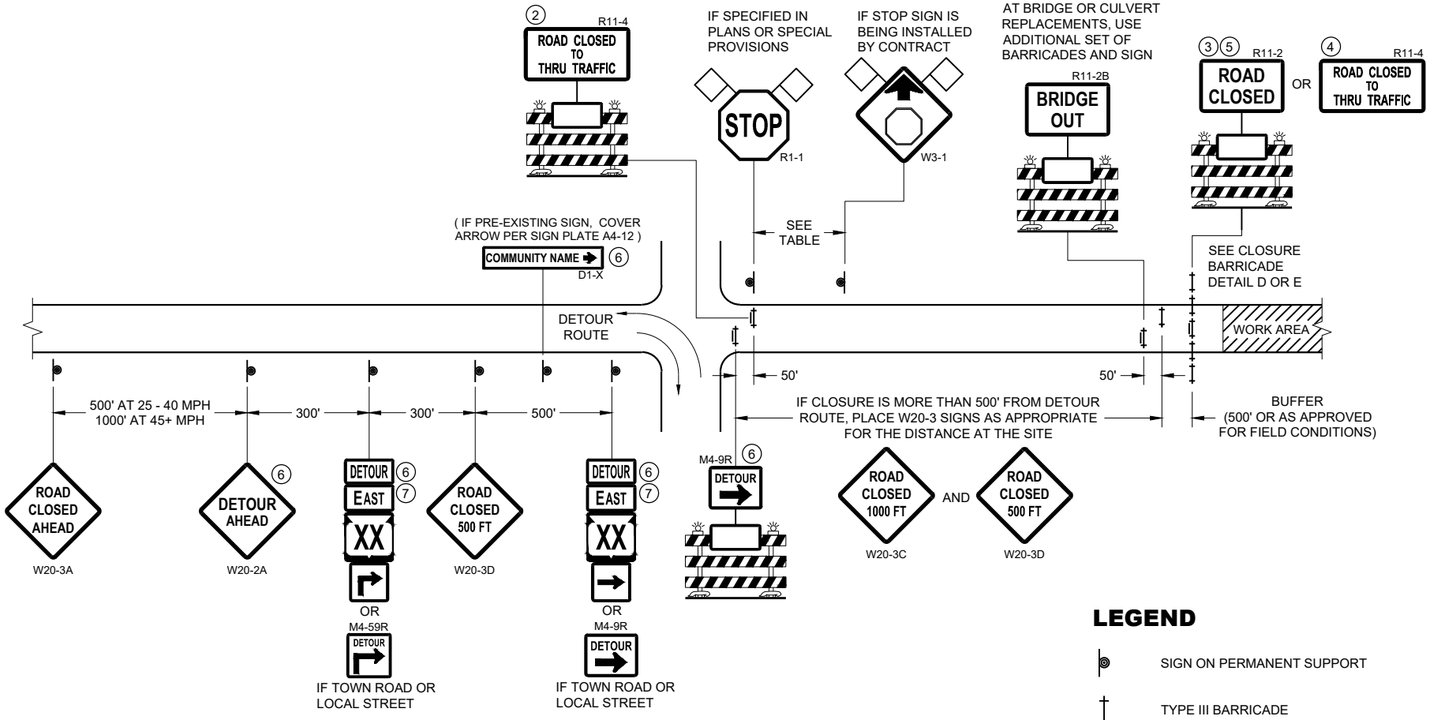
6

S.D.D. 14 B 8-2e



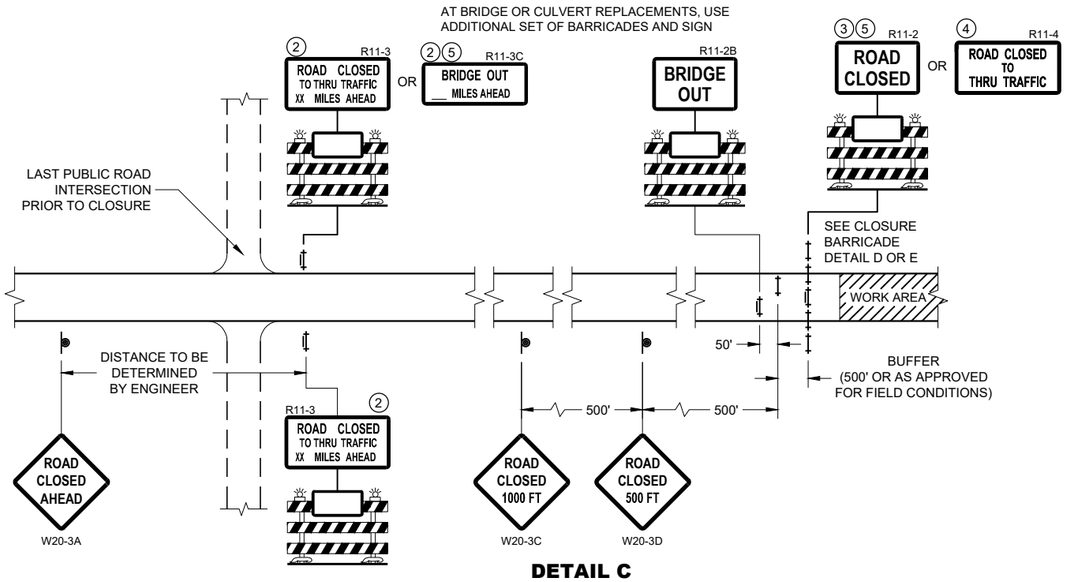
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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

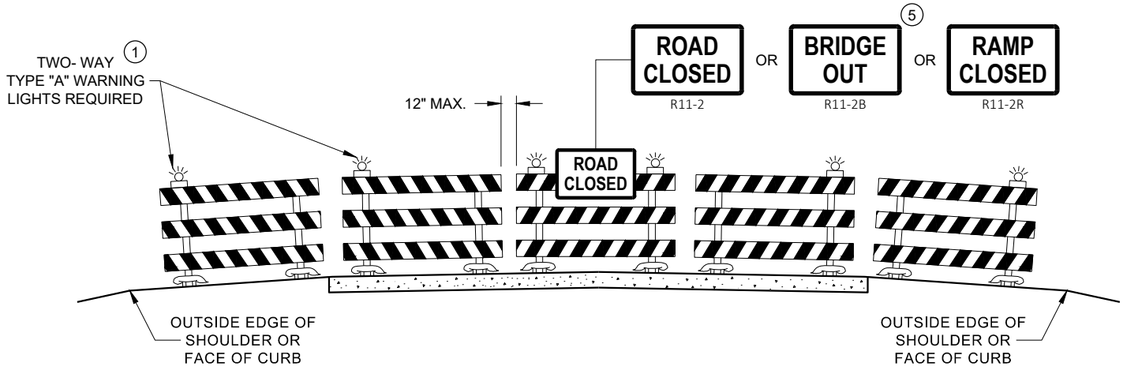
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

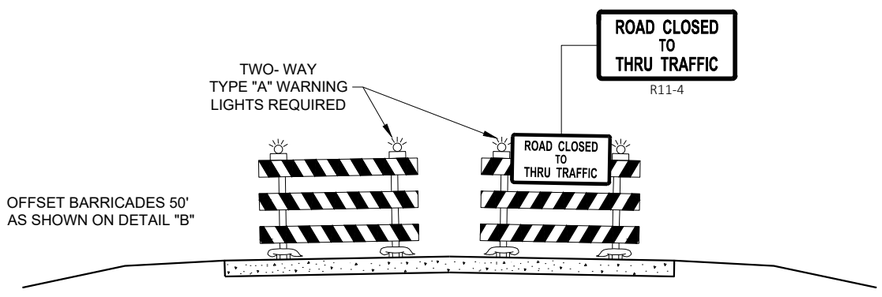
FHWA

457

6
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
FHWA

6

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.

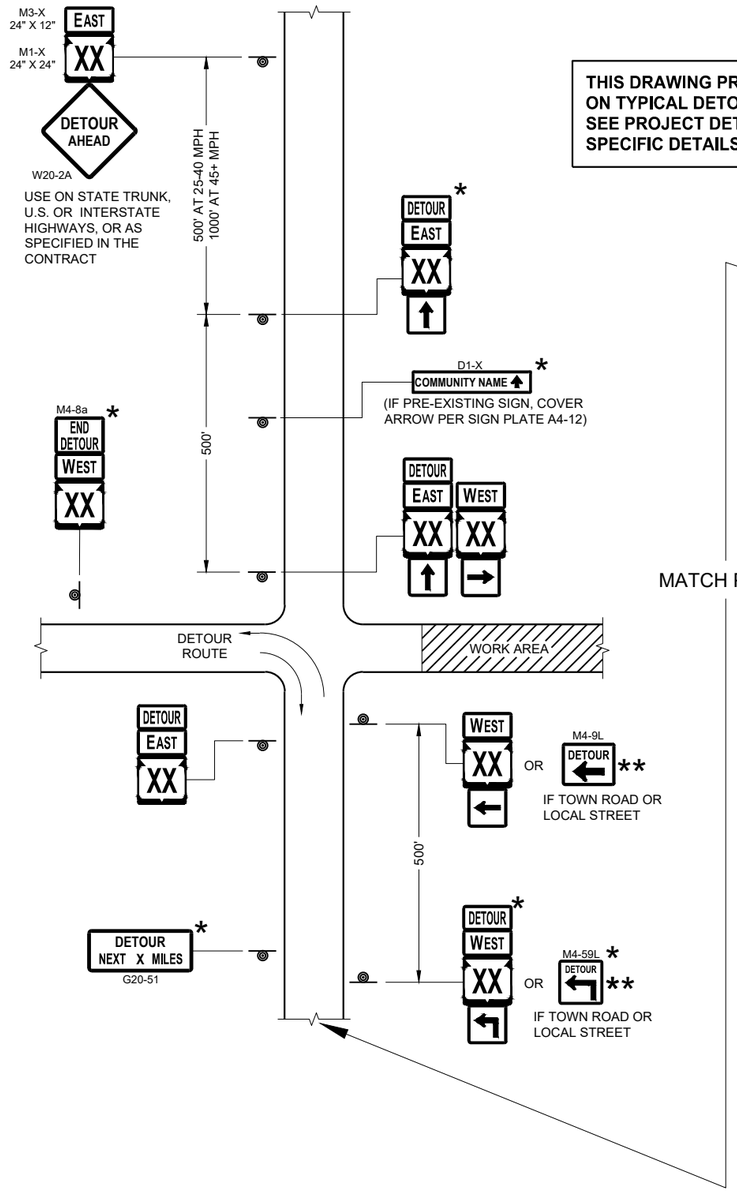
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

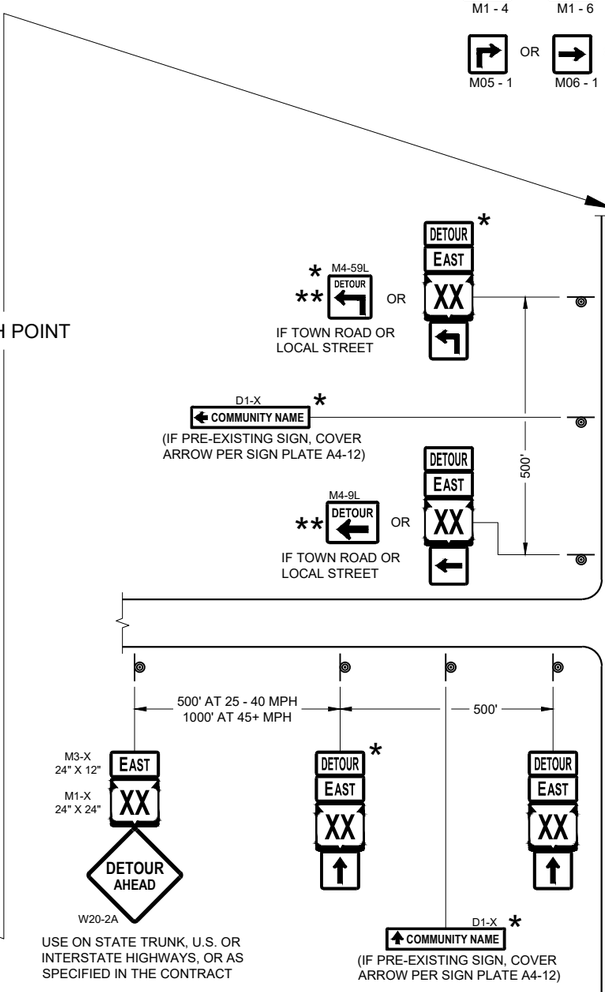
SIGN SIZES SHALL BE AS FOLLOWS:

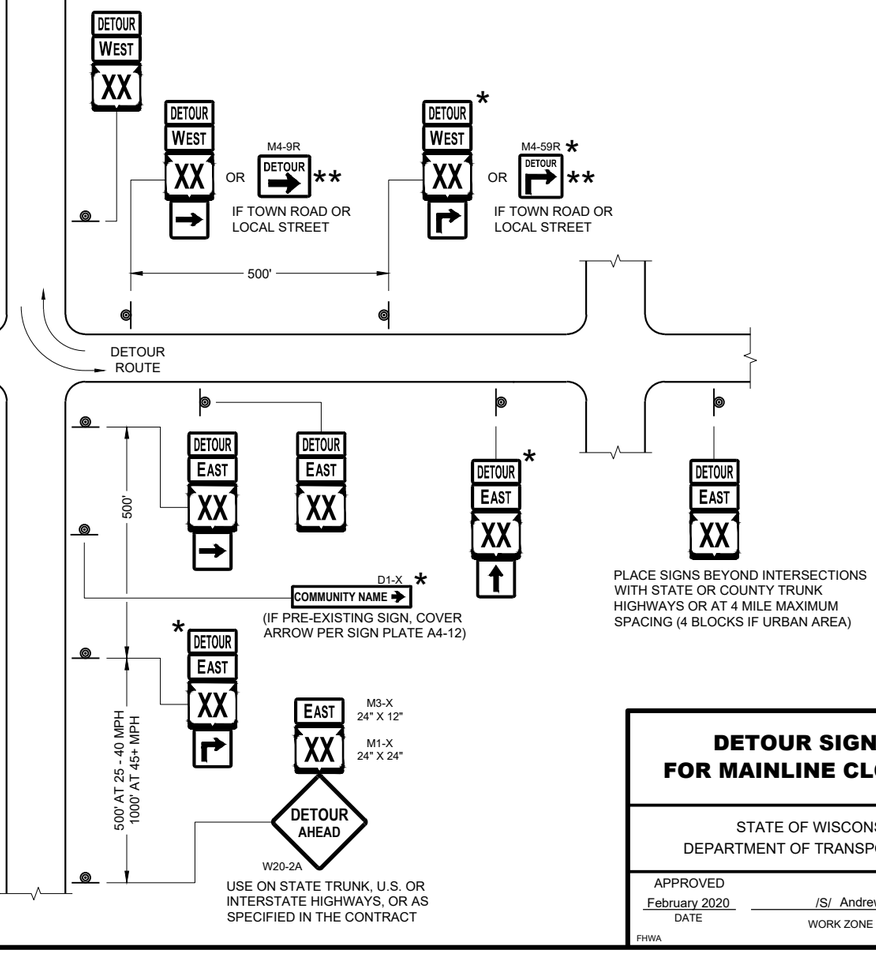
- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING 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

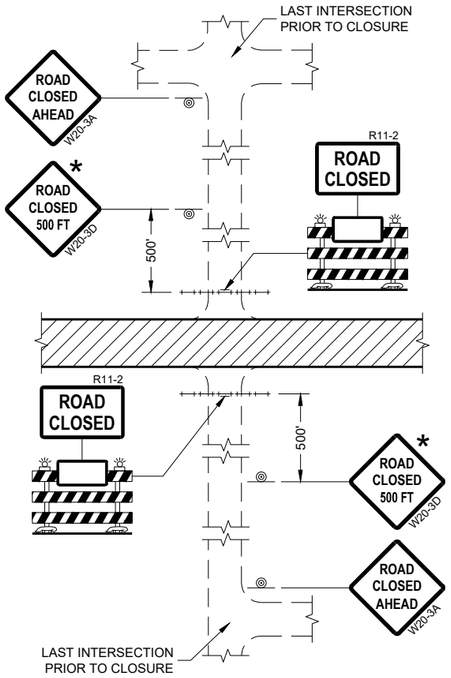
APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

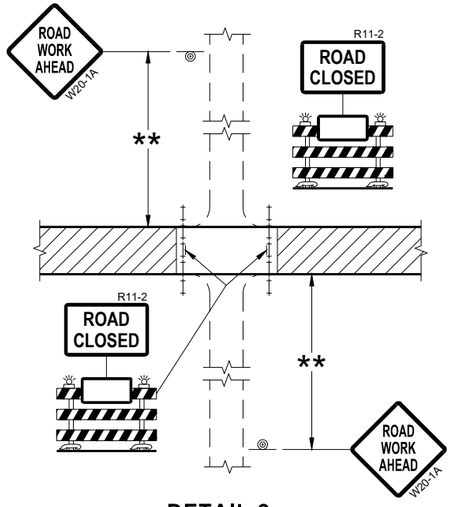
FHWA

6

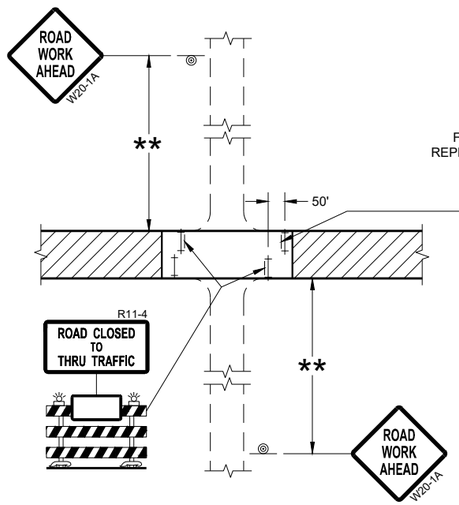
SDD 15C02 - 08c



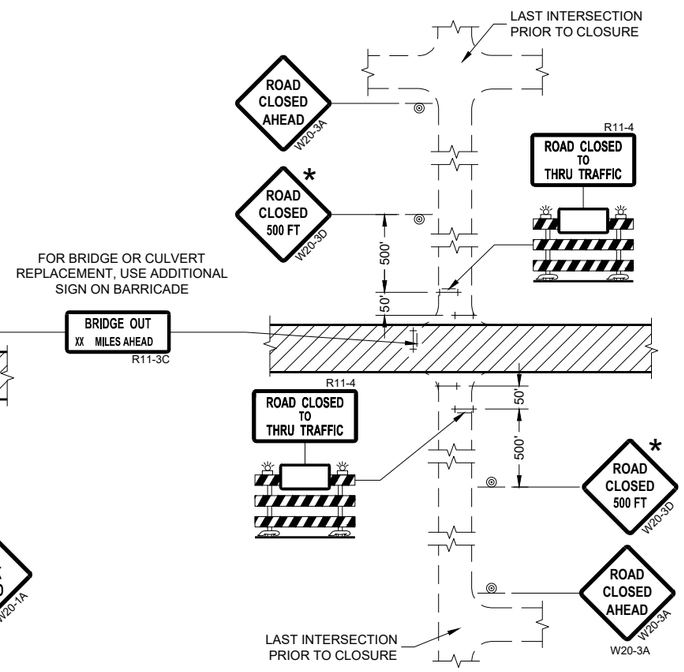
DETAIL 1
(NO ACCESS TO PROJECT)



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.

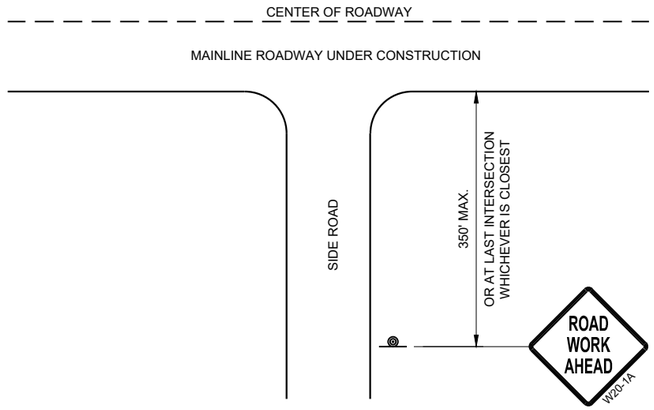
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. 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.



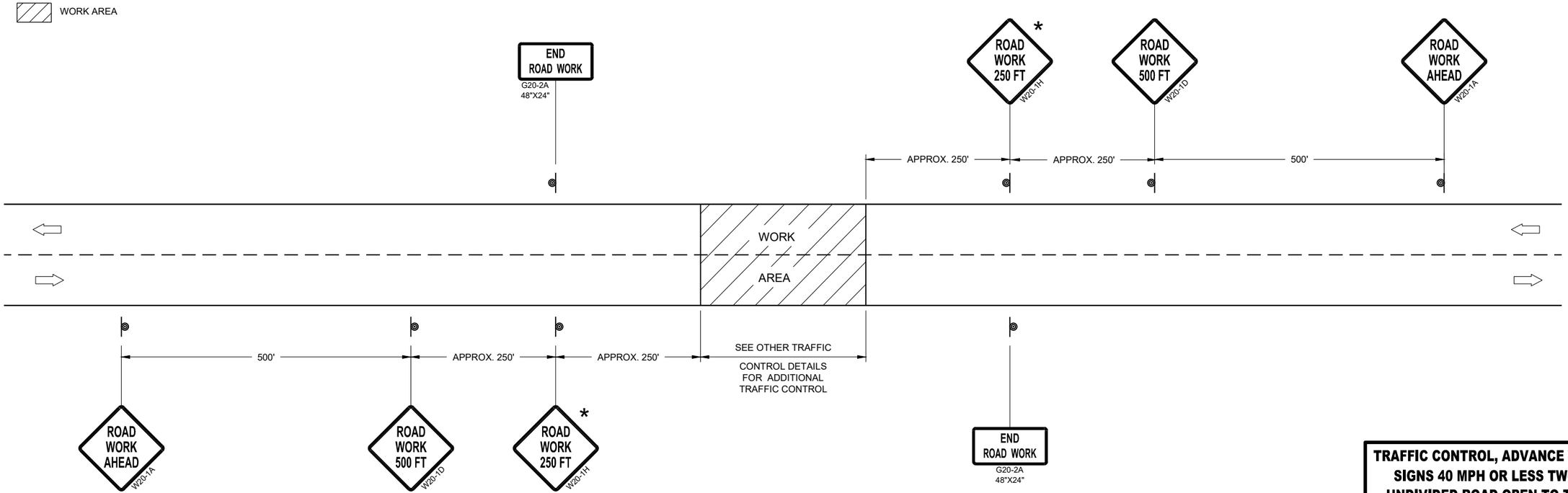
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

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

FHWA

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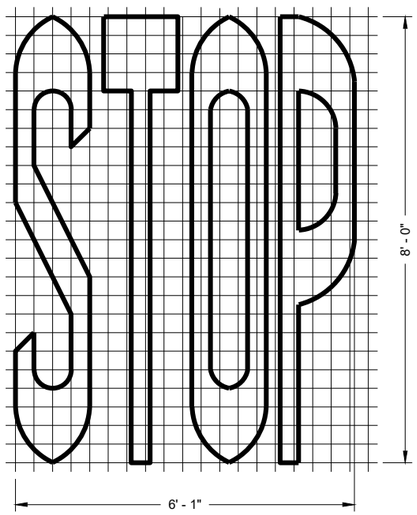
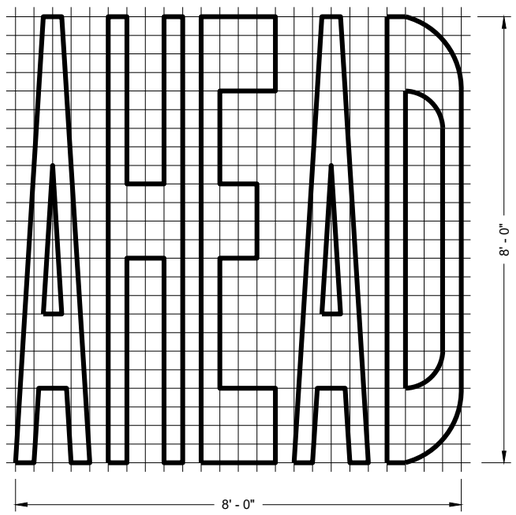
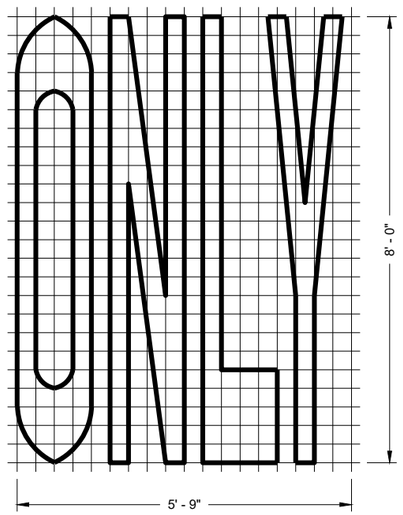
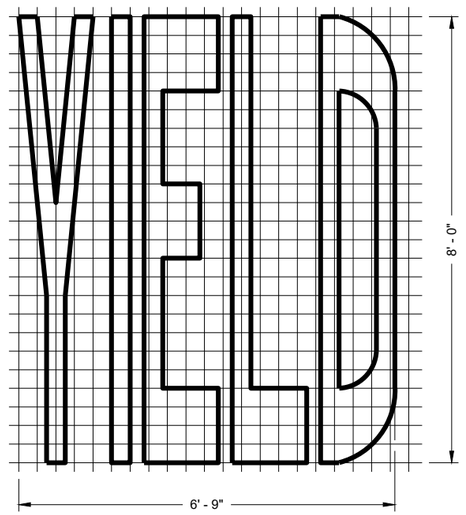
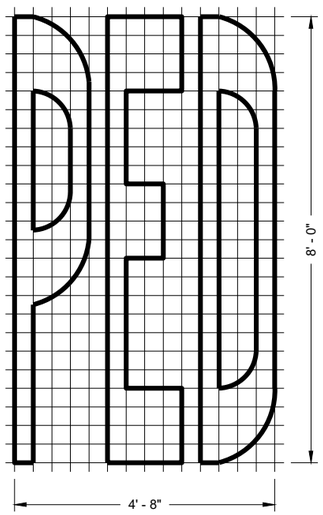
SDD 15C05 - 05

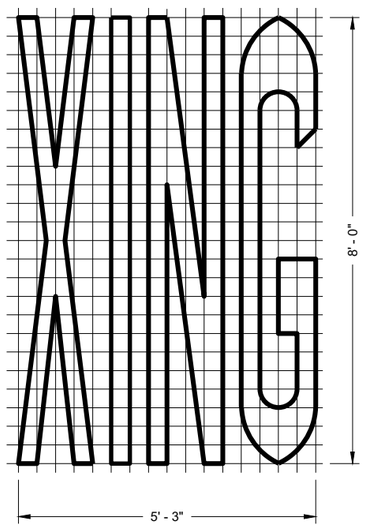


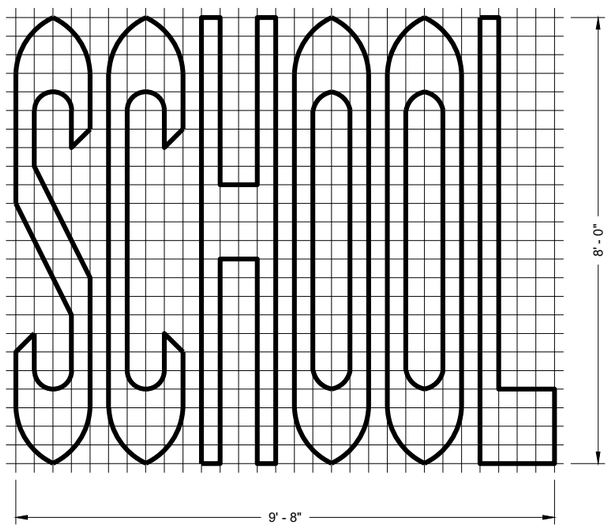




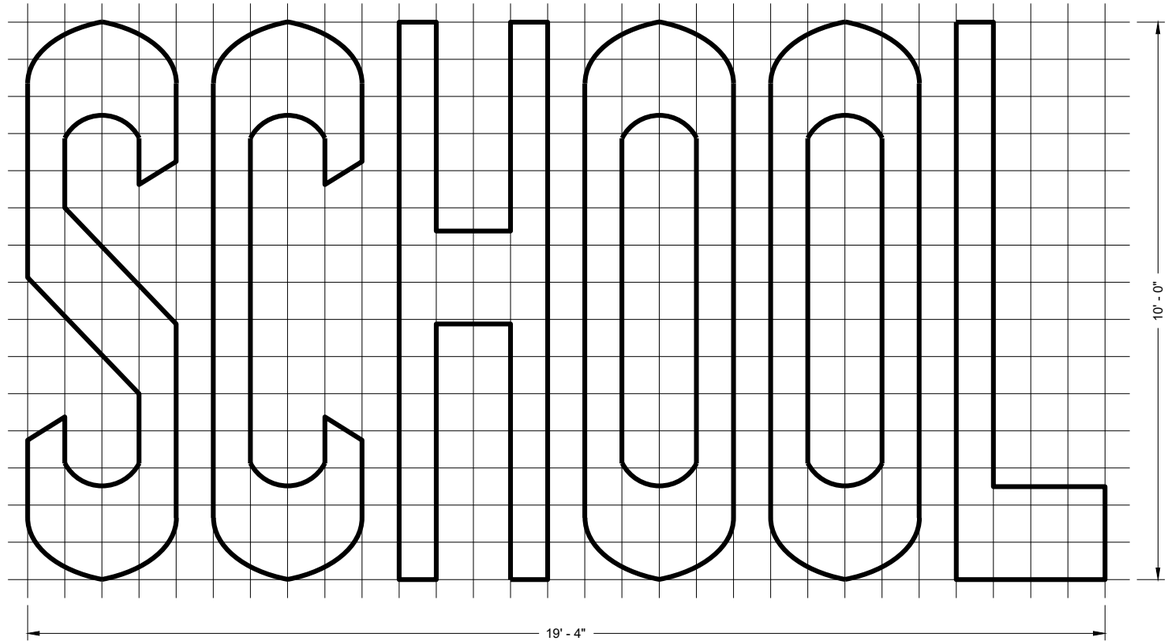








SINGLE LANE



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

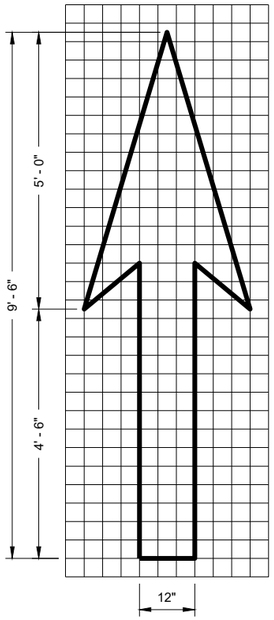
FHWA

6

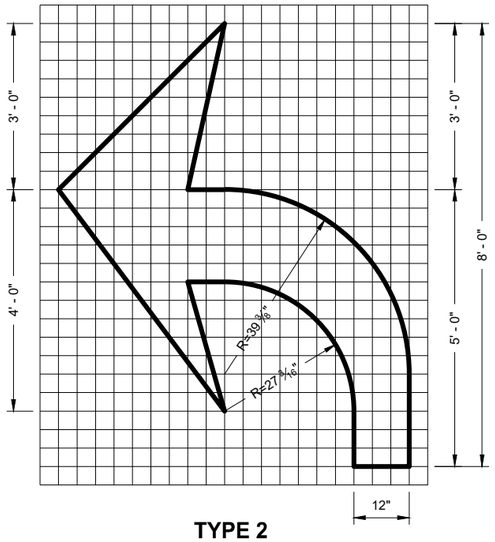
SDD 15C07 - 15b

GENERAL NOTES

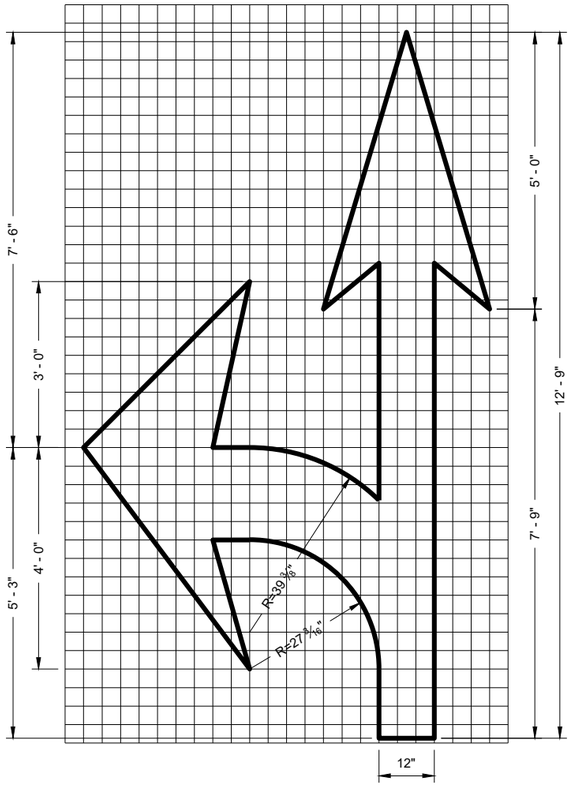
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



TYPE 1



TYPE 2



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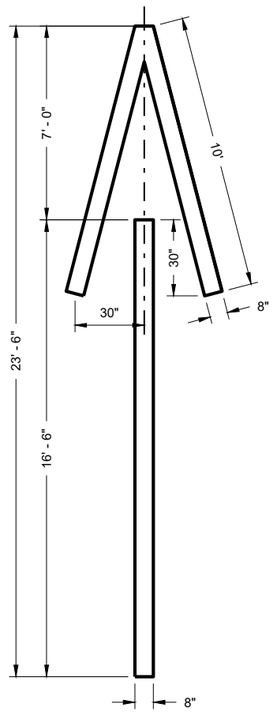

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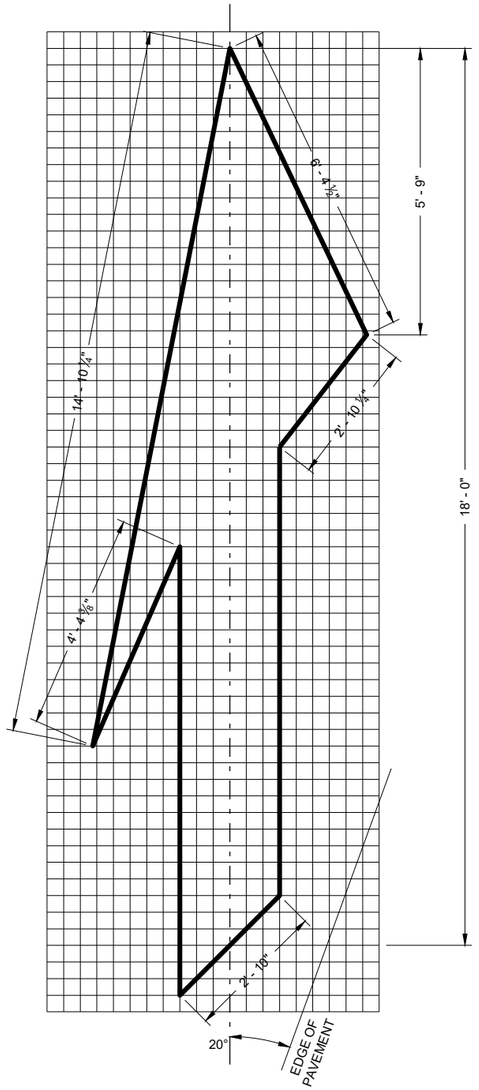
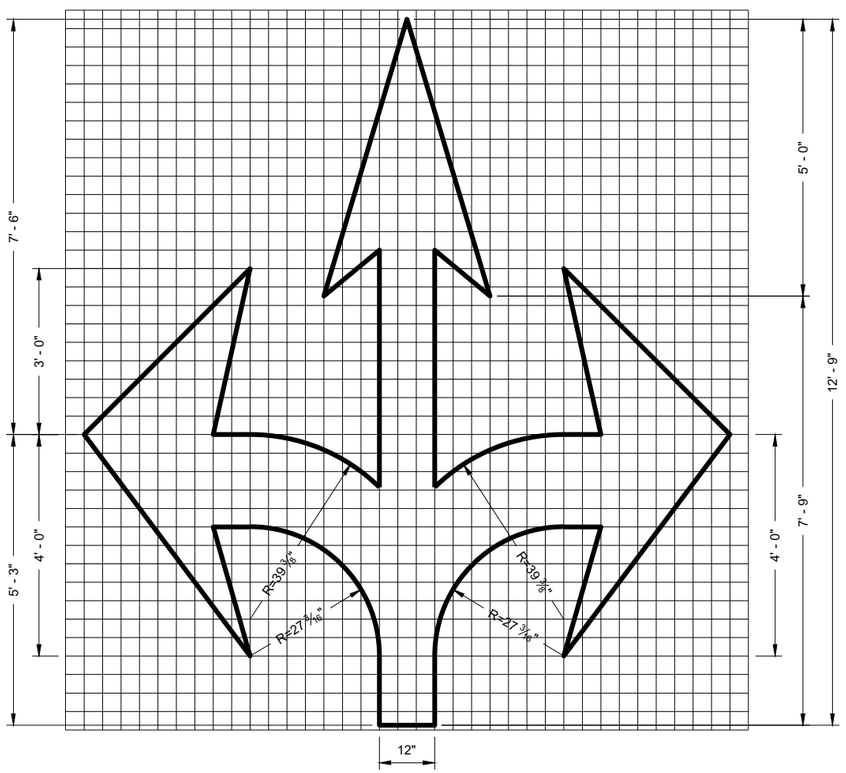
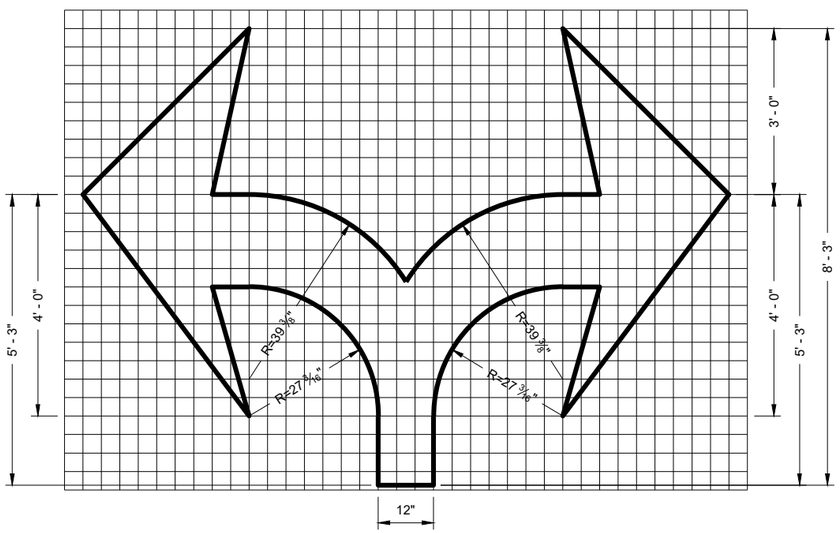


TYPE 5 LANE DROP ARROW



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

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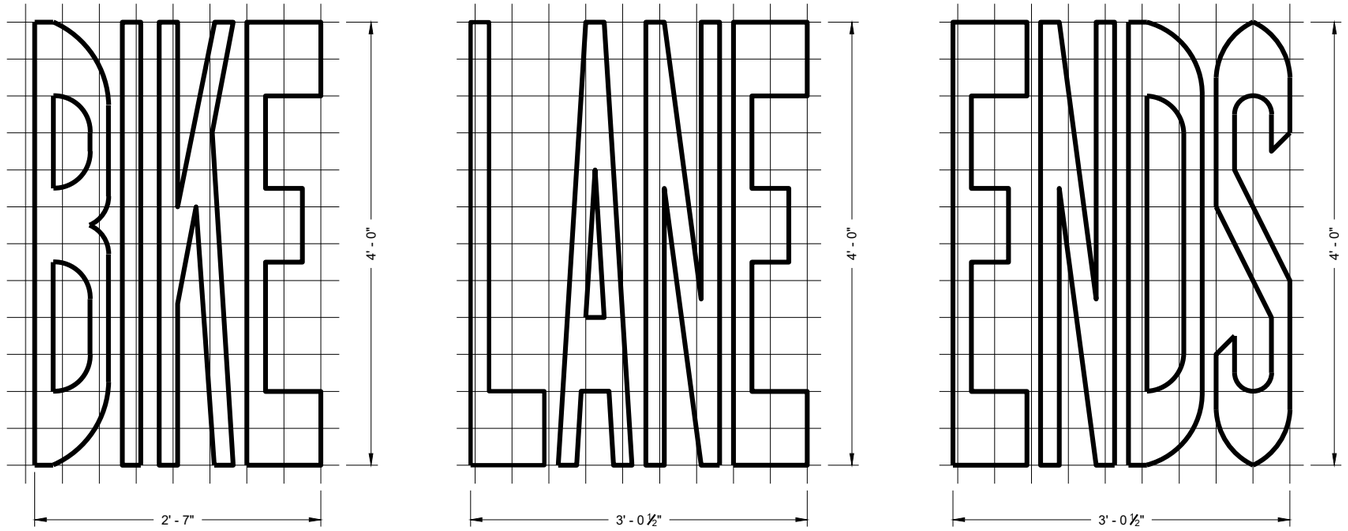
SDD 15C07 - 15c

6

SDD 15C07 - 15c

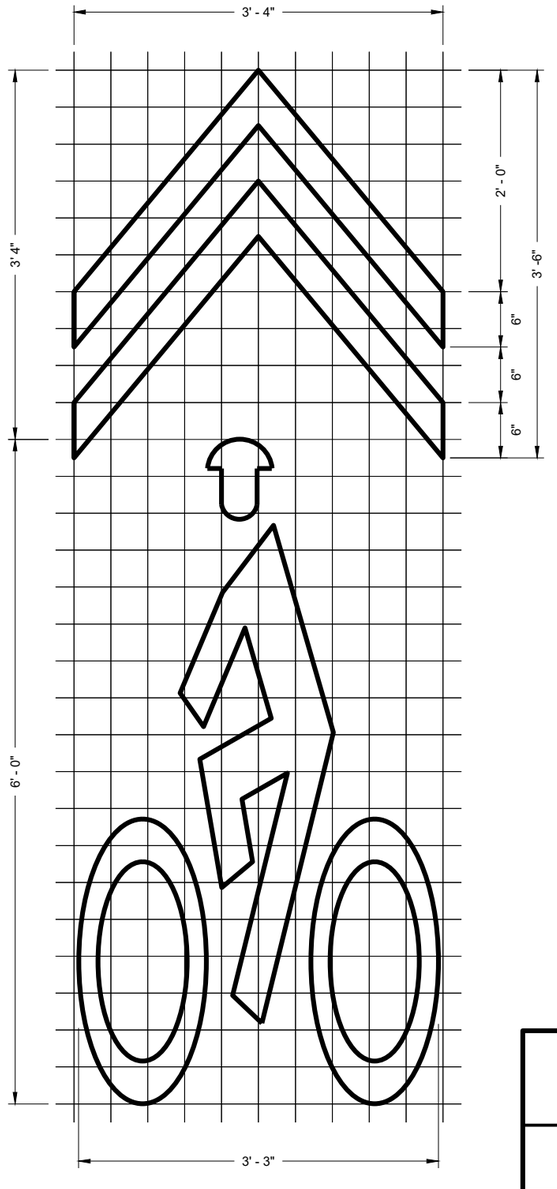
SDD 15C7-e Pavement Marking For Bike Lanes

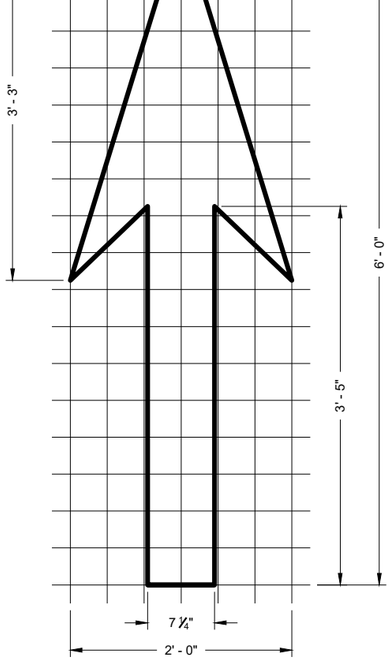


BIKE LANE WORDS

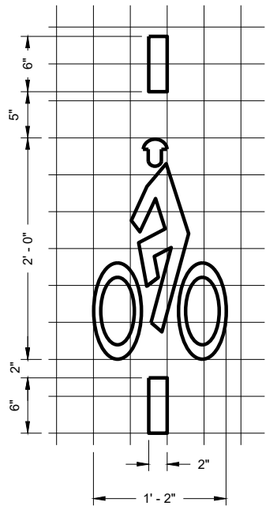
GENERAL NOTES

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.

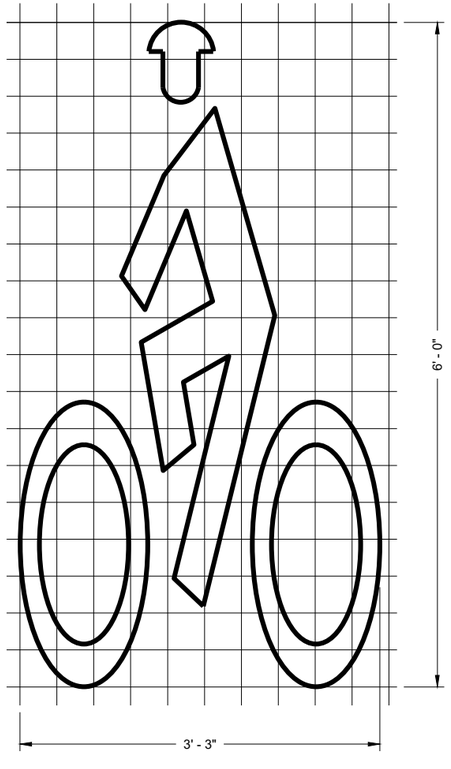




BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING



BIKE LANE SYMBOL

BIKE LANE SYMBOL FOR SHARED LANE

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

6

SDD 15C07 - 15e

6

SDD 15C07 - 15e

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

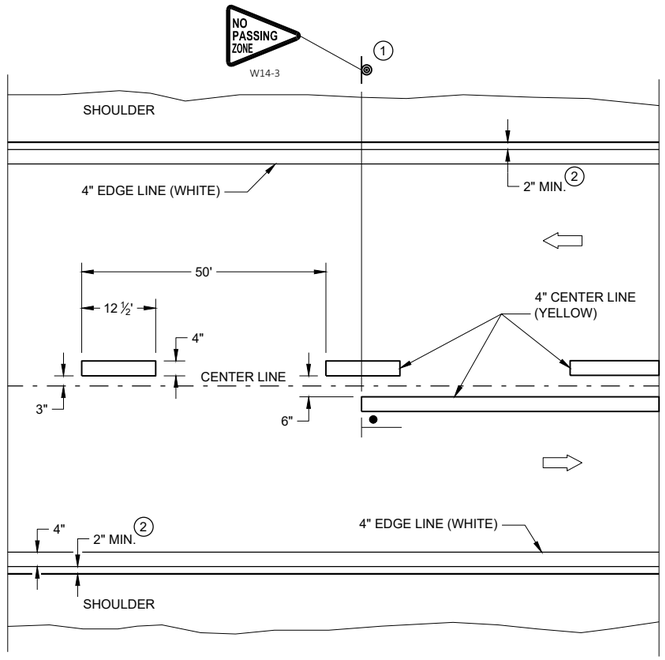
(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

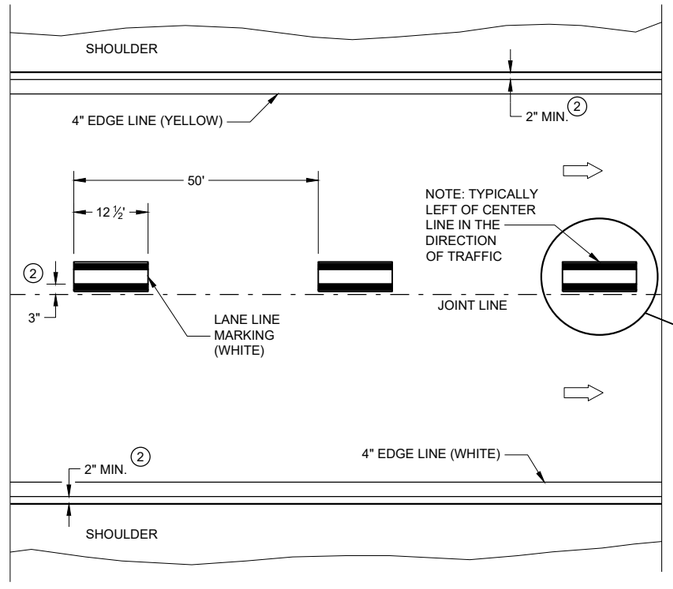
"T" MARKING

SIGN ON PERMANENT SUPPORT

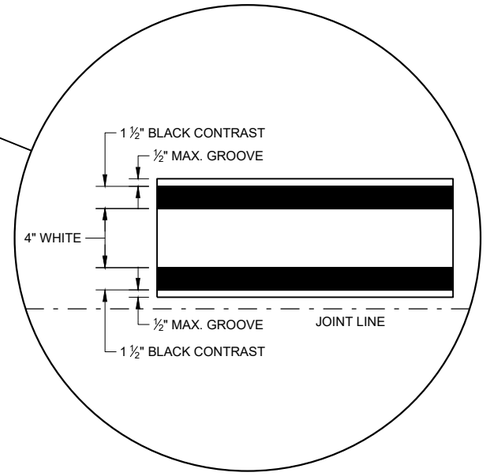
DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC



PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

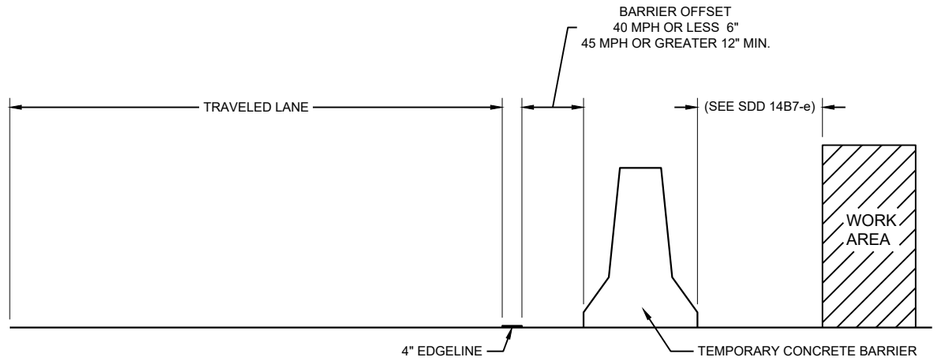
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Jeannie Silver — STATEWIDE SIGNING AND M ENGINEER

FHWA

SDD 15C08 - 22a

SDD 15C08 - 22a



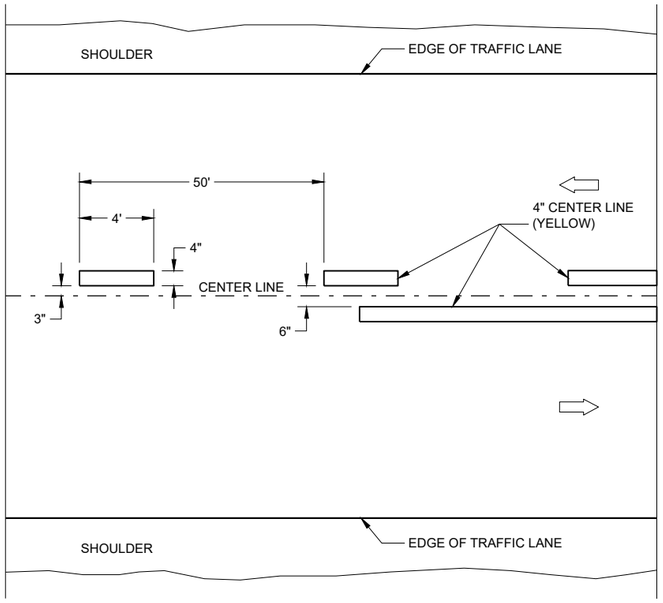
TEMPORARY BARRIER OFFSET FROM EDGELINE

GENERAL NOTES

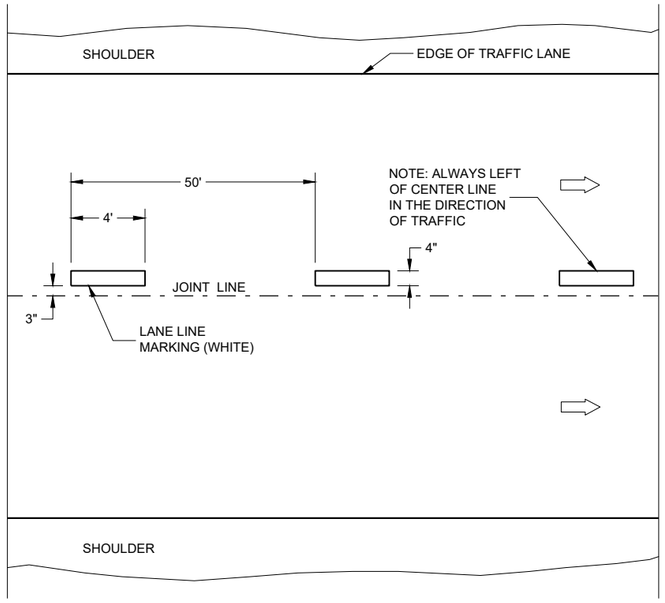
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

LEGEND

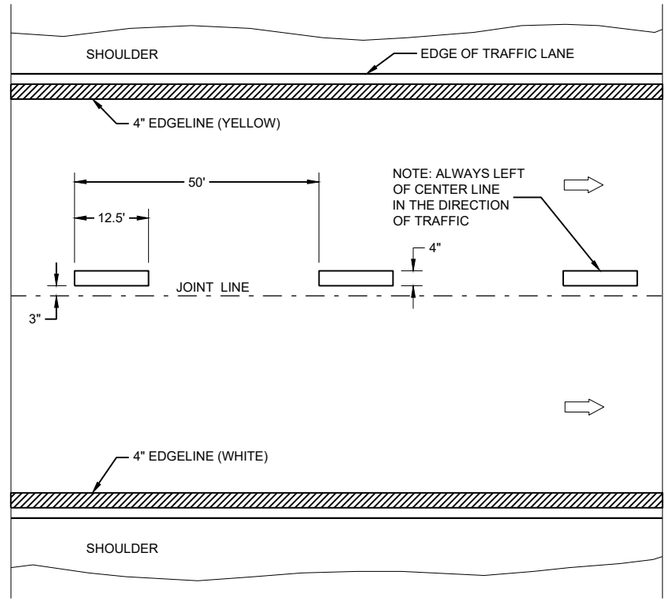
DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Jeannie Silver — STATEWIDE SIGNING AND M ENGINEER

FHWA

6

SDD 15C08 - 22b

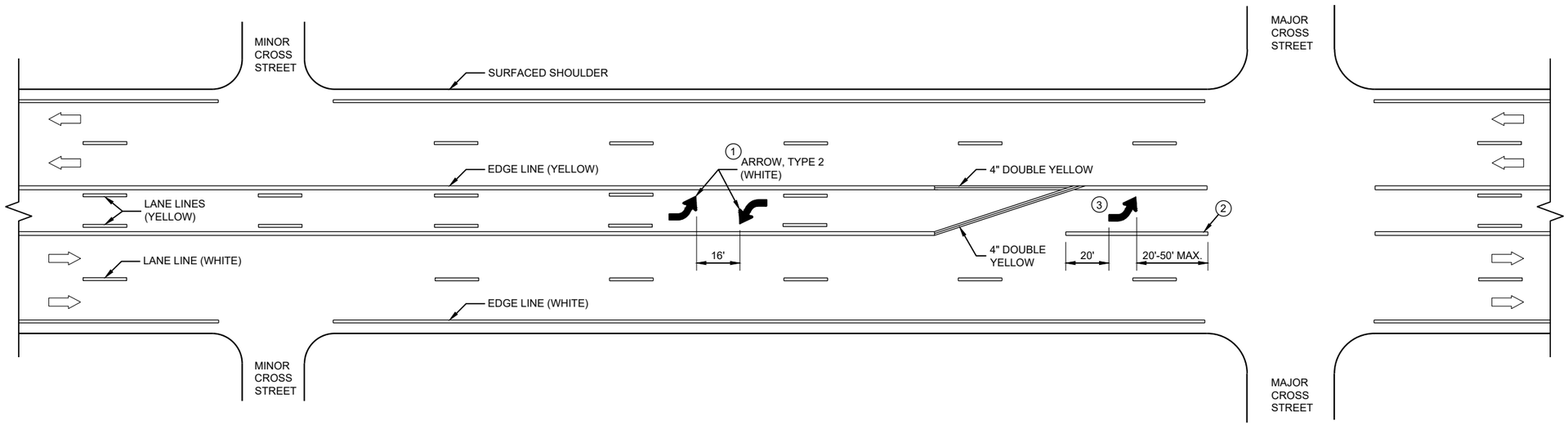
6

SDD 15C08 - 22b

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

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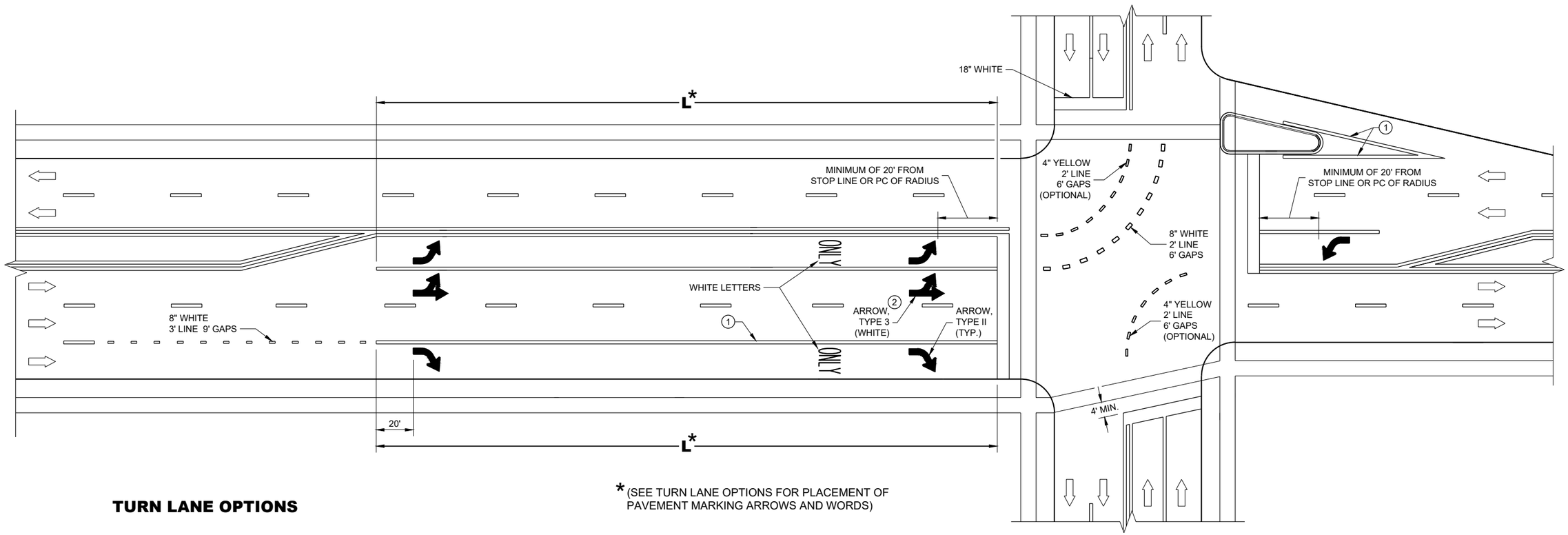
SDD 15C08 - 22c

SDD 15C08 - 22c

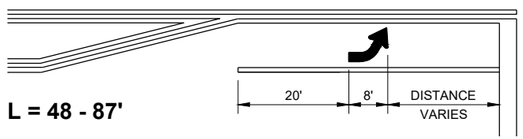
PAVEMENT MARKING (TURN LANES)



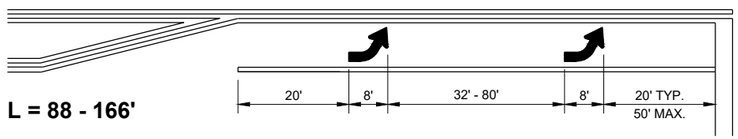
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

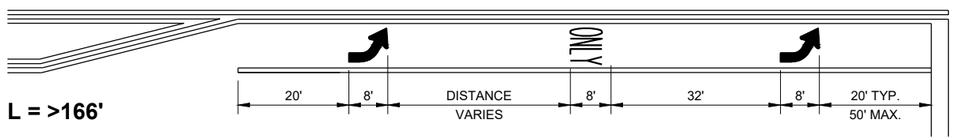
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



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

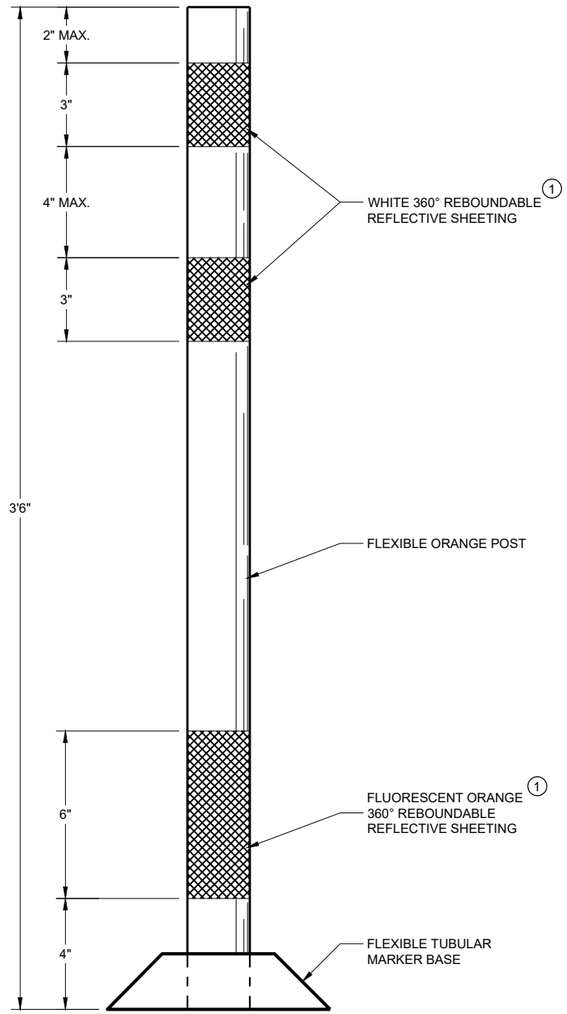
L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C08 - 22d



FLEXIBLE TUBULAR MARKER POST WORK ZONE

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

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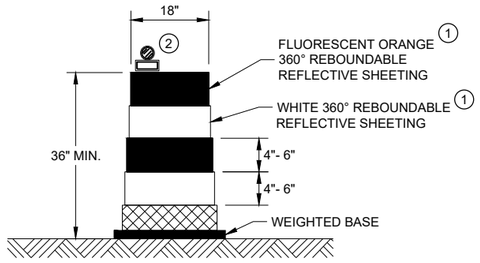
SDD 15C11 - 09a

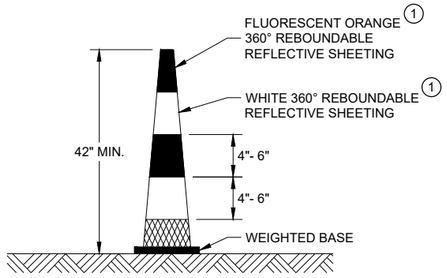
SDD 15C11 - 09a

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.

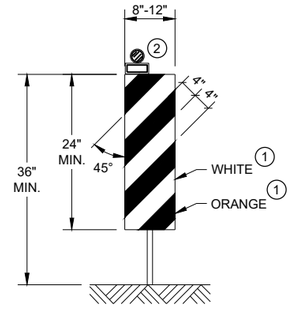


DRUM



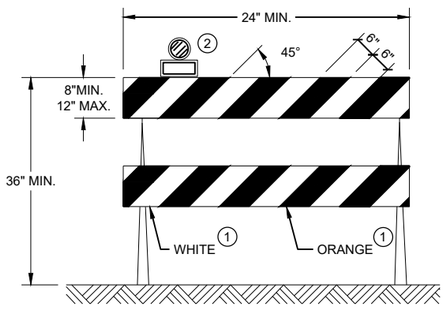
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



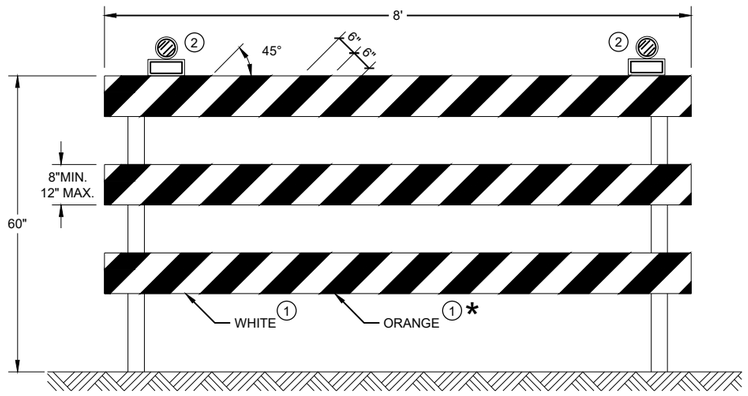
VERTICAL PANEL

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 ENGINEE

FHWA

6

SDD 15C11 - 09b

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SDD 15C11 - 09b

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

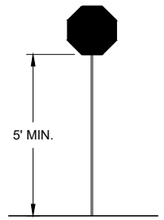
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



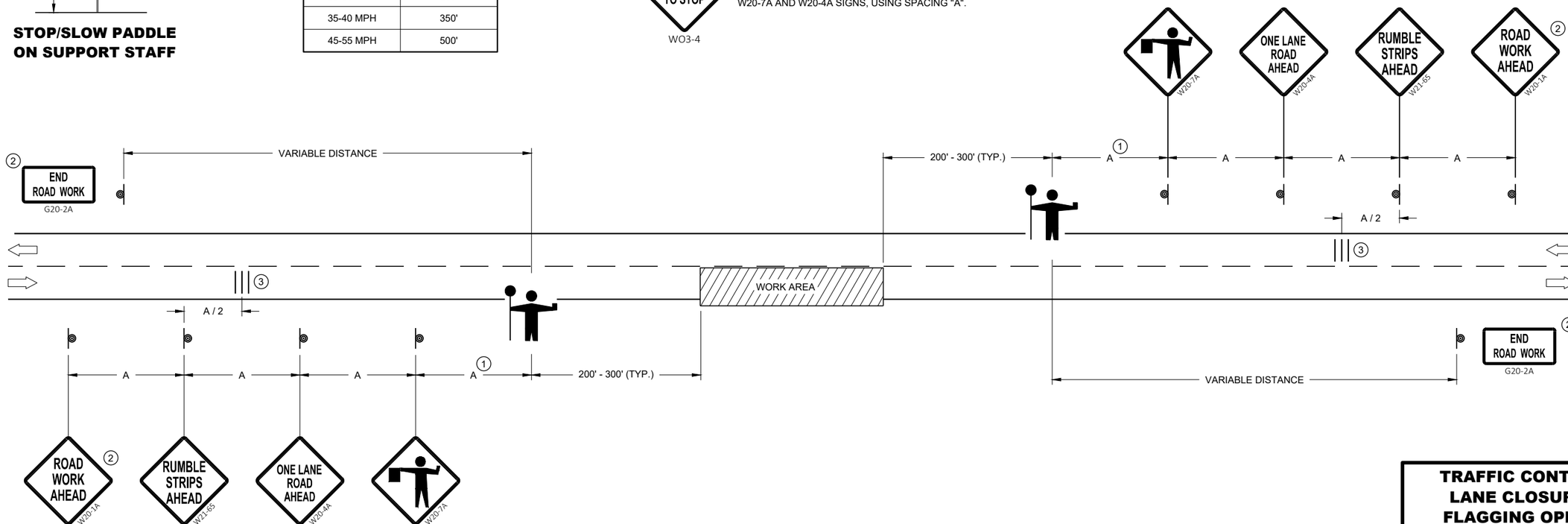
STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

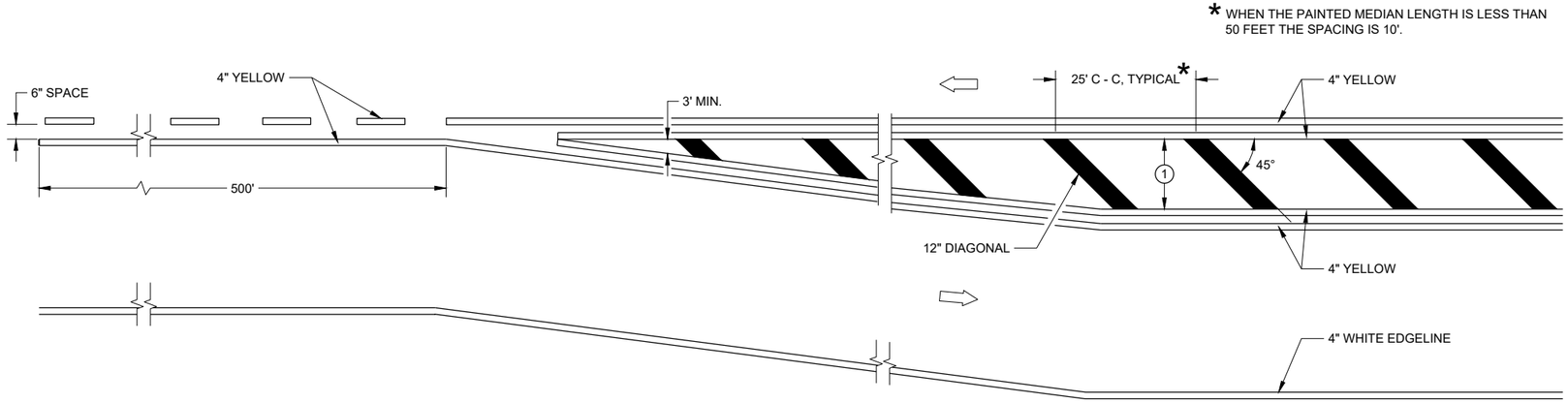
471

6

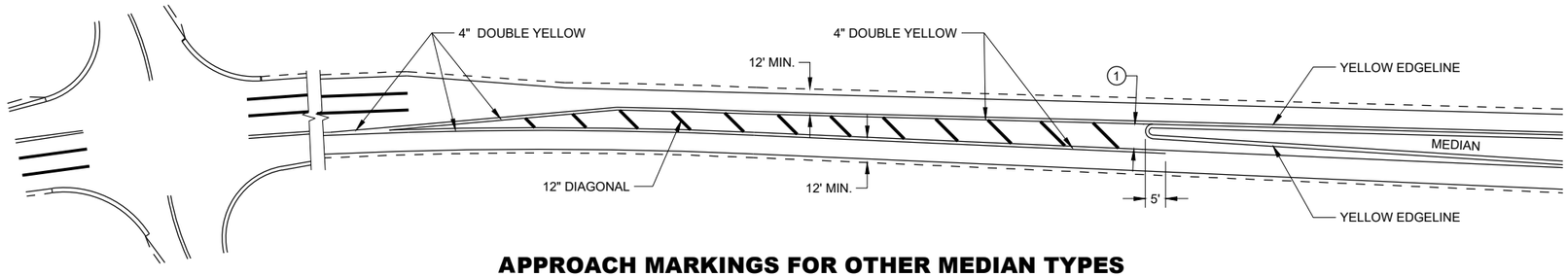
SDD 15C12 - 09a

6

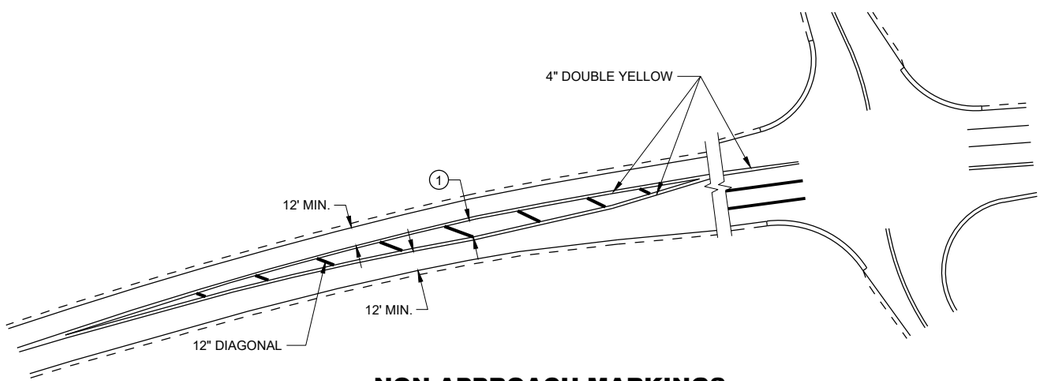
SDD 15C12 - 09a



MEDIAN ISLAND DETAIL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

GENERAL NOTES

1. DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

DIRECTION OF TRAVEL

6

SDD 15C18 - 06a

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Jeannie Silver
STATE SIGNING AND MAF ENGINEER

FHWA

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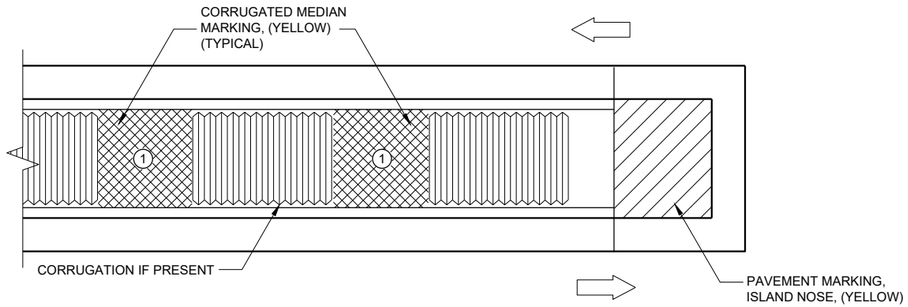
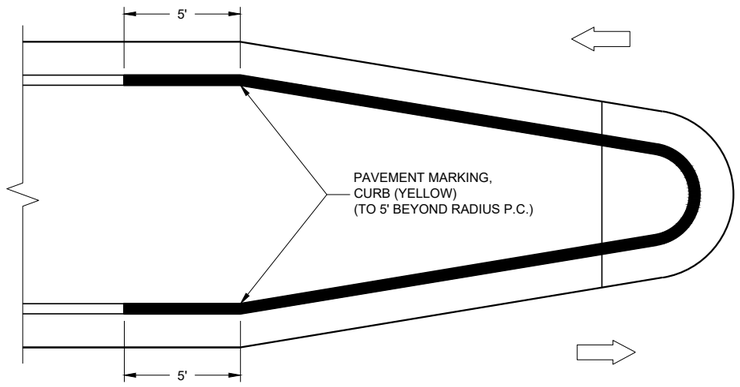
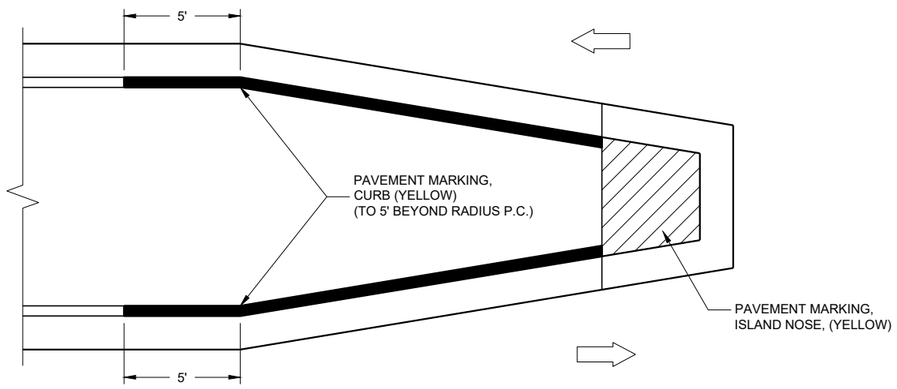
SDD 15C18 - 06a



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

May 2022
DATE

/S/ Jeannie Silver
STATE SIGNING AND MAF ENGINEER

FHWA

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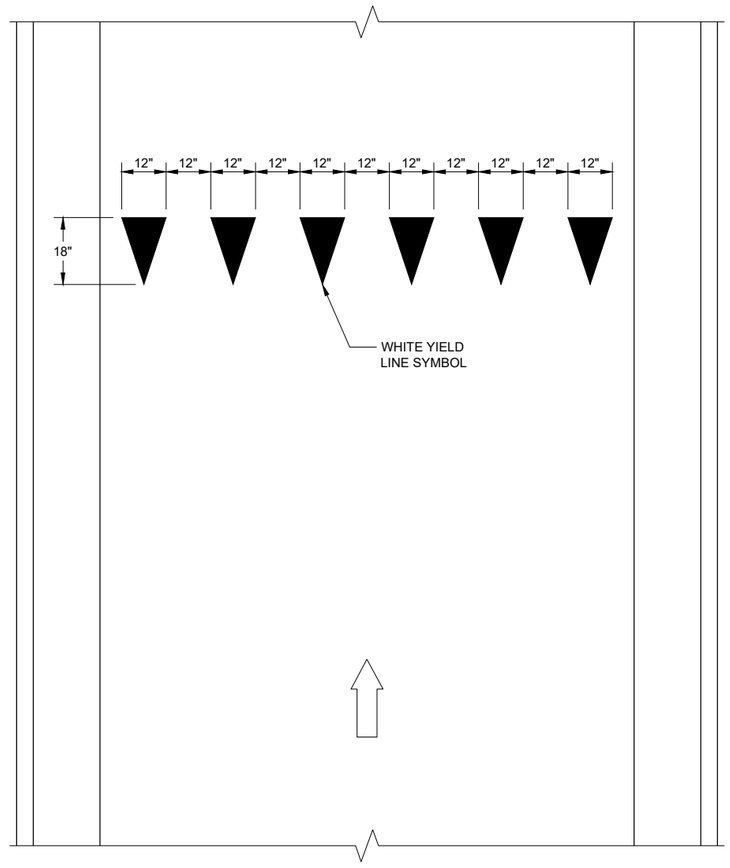
SDD 15C18 - 06b

6

SDD15C18 - 06b

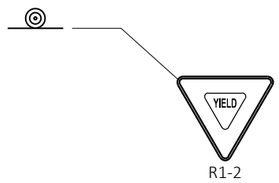


YIELD LINE

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAVEL



R1-2

YIELD MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-81-2016
DATE

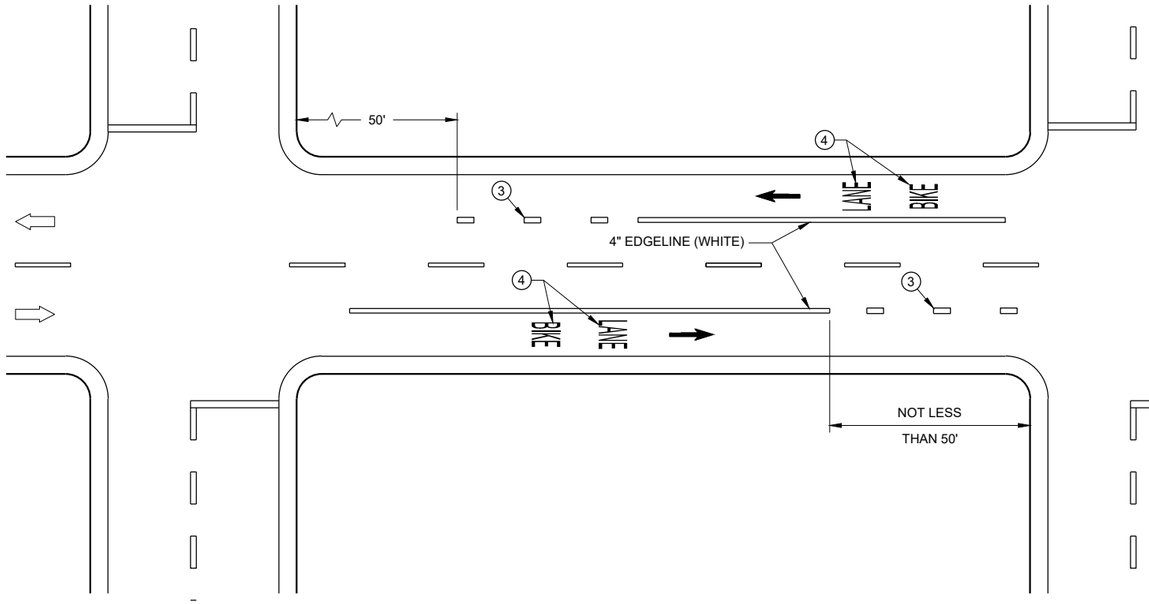
/S/ Matthew R. Rauch
STATE SIGNING AND MAR ENGINEER

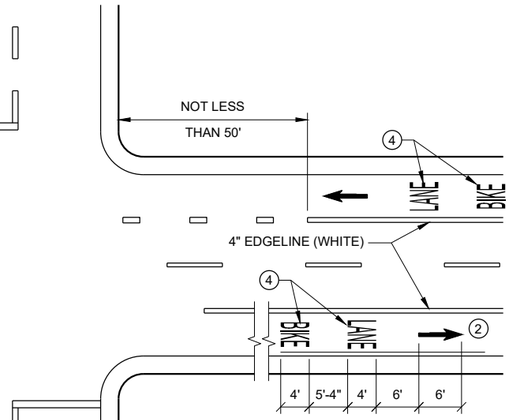
FHWA

6

SDD 15C20 - 02

SDD 15C20 - 02



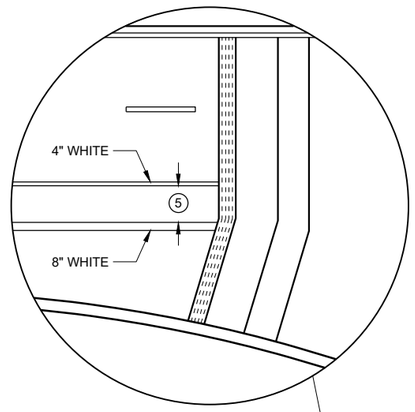


GENERAL NOTES

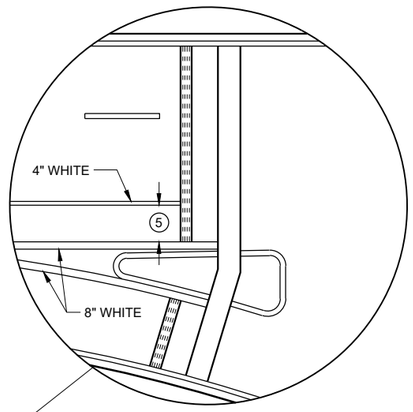
1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3' LINE, 9' GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. BIKE SYMBOLS OR WORDS MAY BE USED.
5. BIKE ACCOMMODATION IS TYPICAL 5 FEET WIDE AND MINIMUM OF 4 FEET FROM A LONGITUDINAL JOINT. USE 5 FEET AT ≥ 45 MPH.
6. OMIT THESE MARKINGS FOR WIDER TURN LANE APPLICATIONS (MINIMUM OF 15 FOOT WIDE TURN LANE).
7. REFER TO CONTRACT PLANS FOR LANE WIDTH.

DIRECTION OF TRAVEL

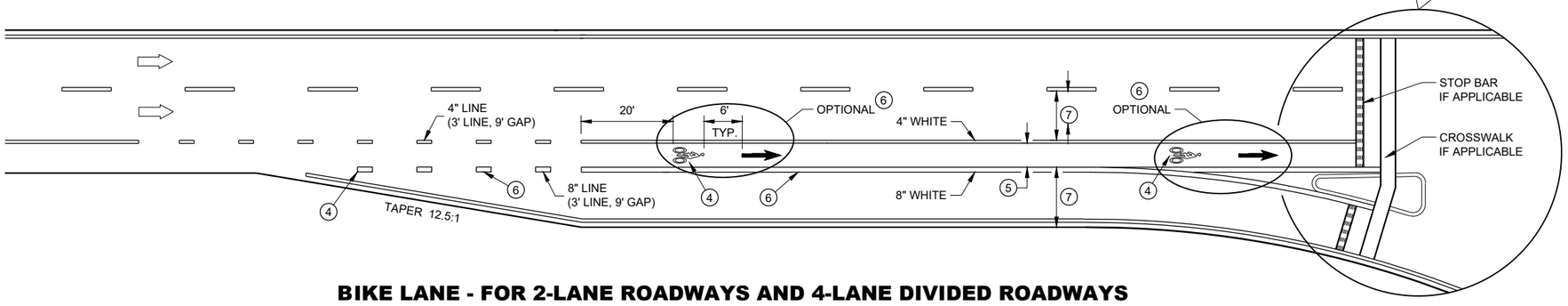
DESIGNATED BIKE LANE - NO PARKING



4 LANE DIVIDED WITHOUT ISLAND



4 LANE DIVIDED WITH ISLAND



BIKE LANE - FOR 2-LANE ROADWAYS AND 4-LANE DIVIDED ROADWAYS
(4-LANE DIVIDED WITH RIGHT TURN LANE SHOWN)

BIKE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

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SDD 15C29 - 07a

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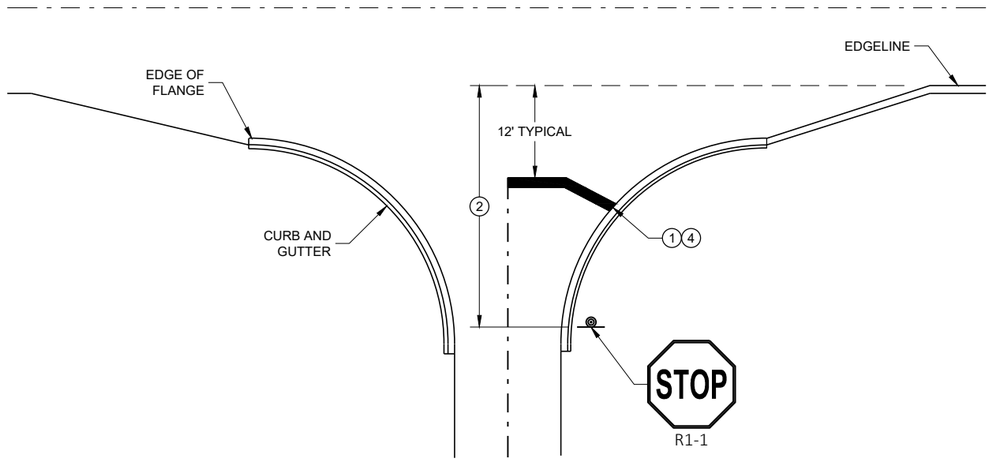
SDD 15C29 - 07a

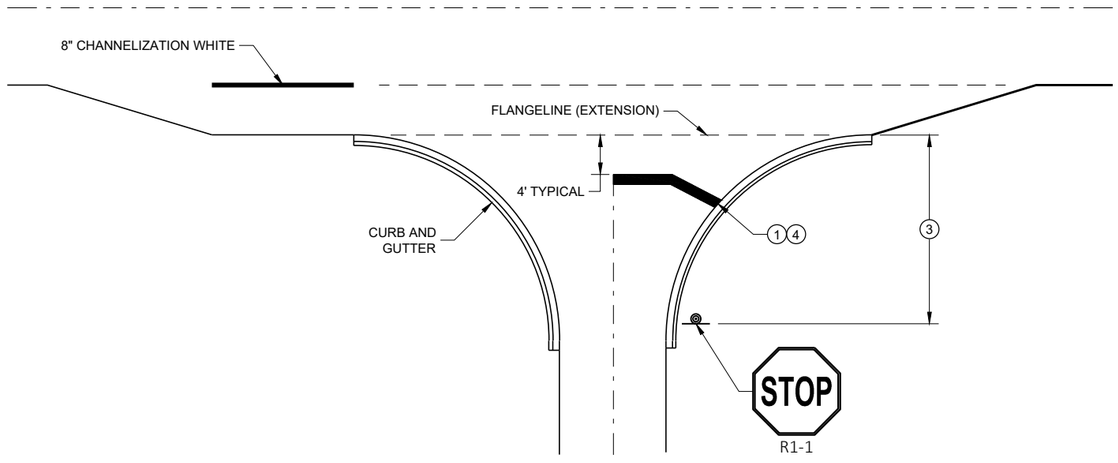
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

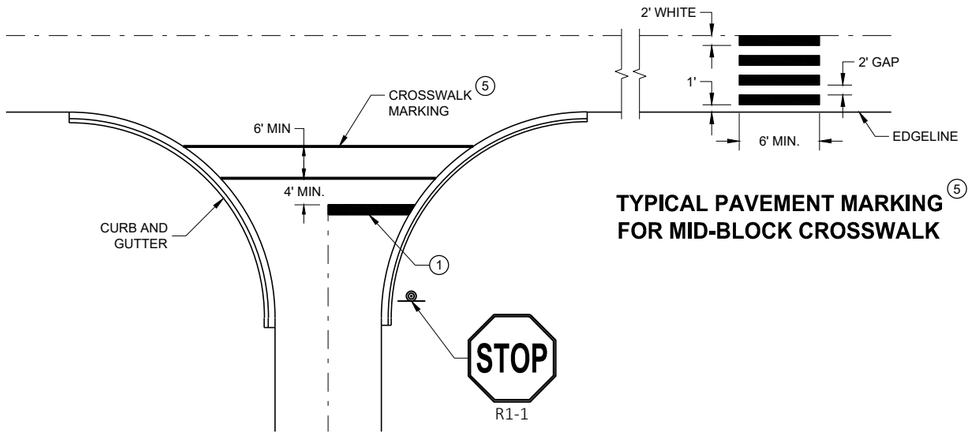
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE 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

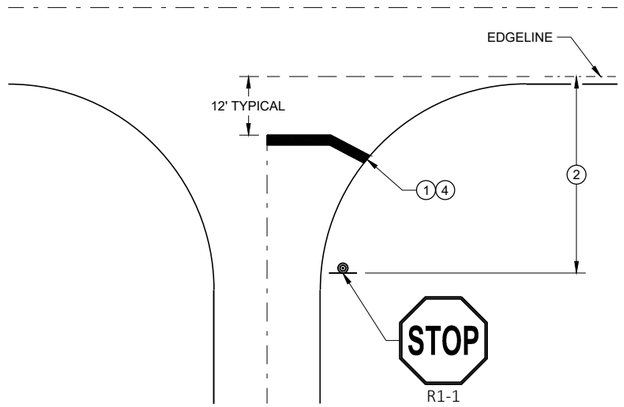


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



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

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SDD 15C33 - 04

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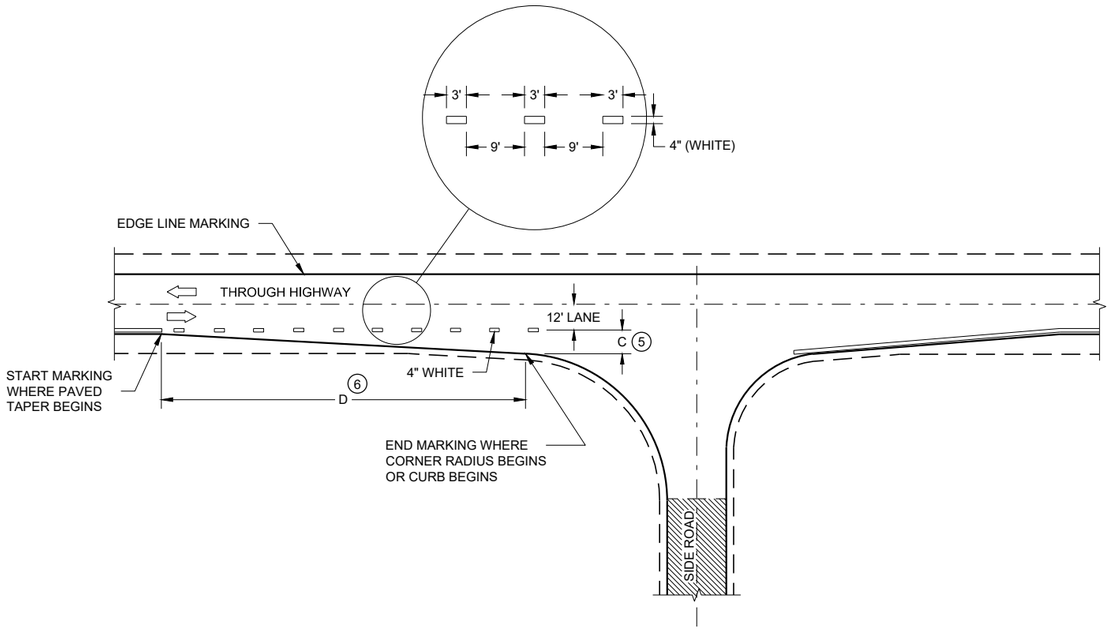
SDD 15C33 - 04



MINOR INTERSECTION

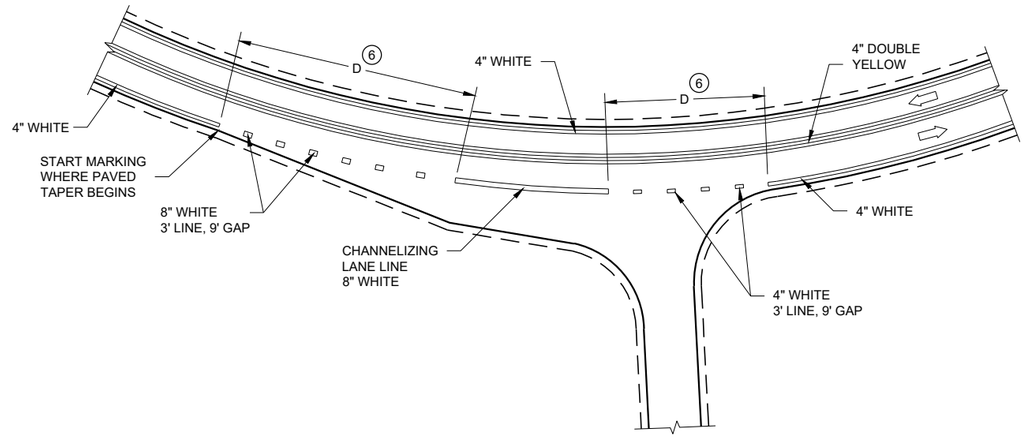
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

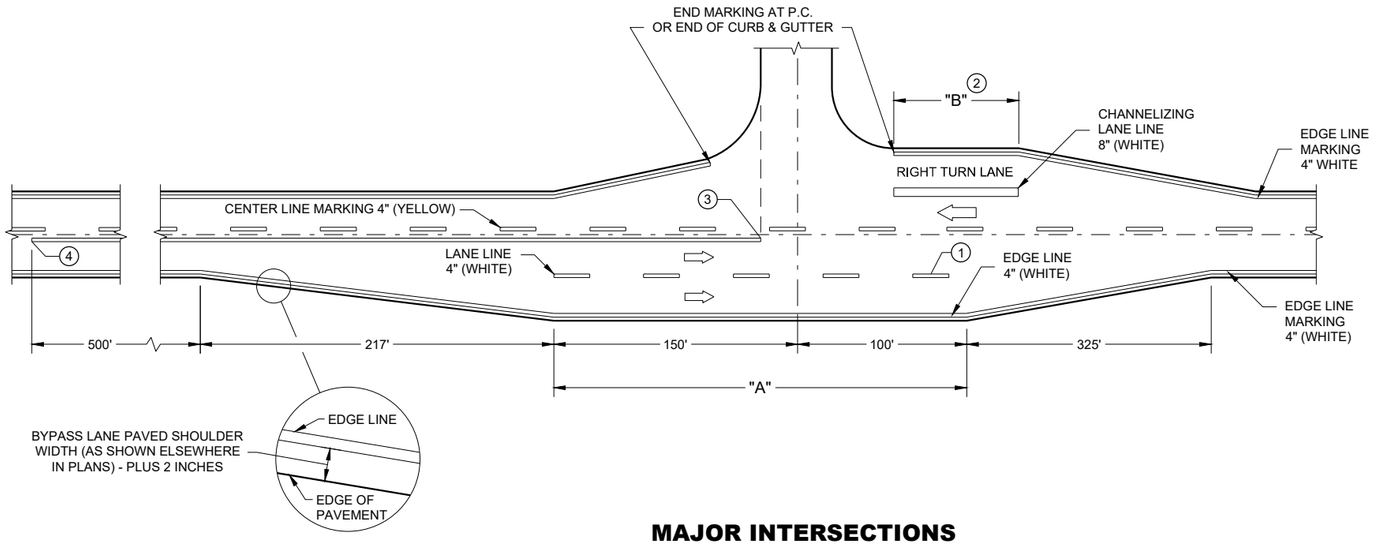
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
6. WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

PAVEMENT MARKING (INTERSECTIONS)

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.

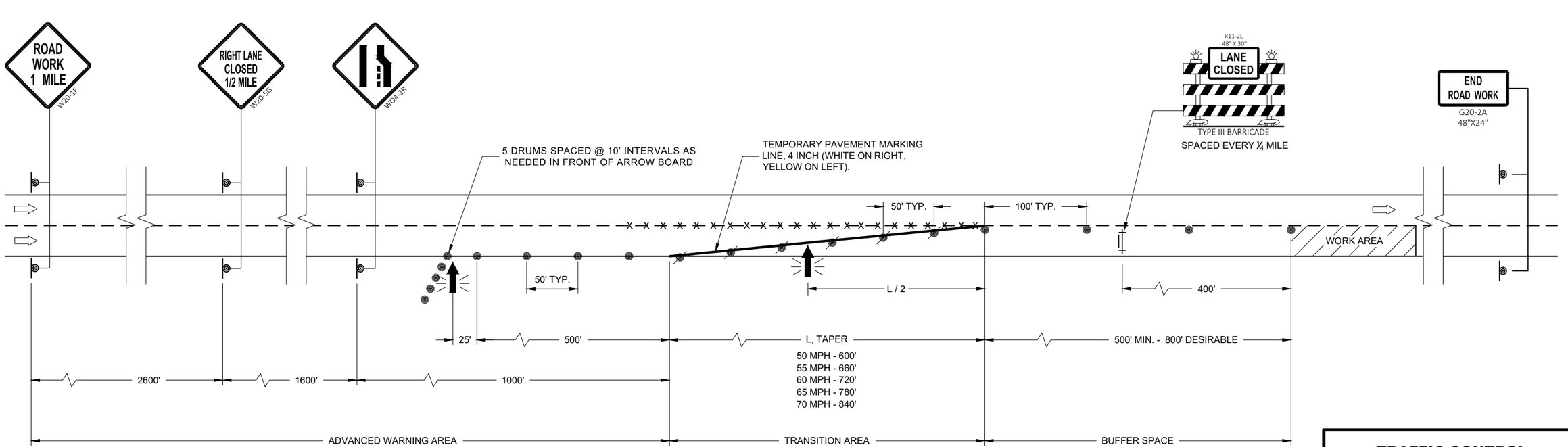
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

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SDD 15D12 - 10a

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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.

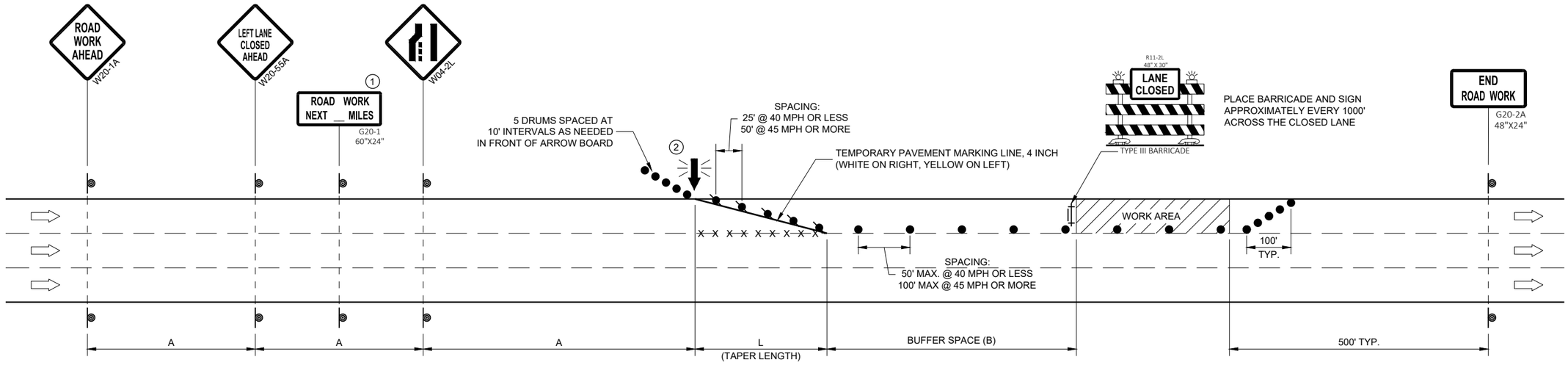
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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 479

FHWA

6

SDD15D20 - 06a

GENERAL NOTES

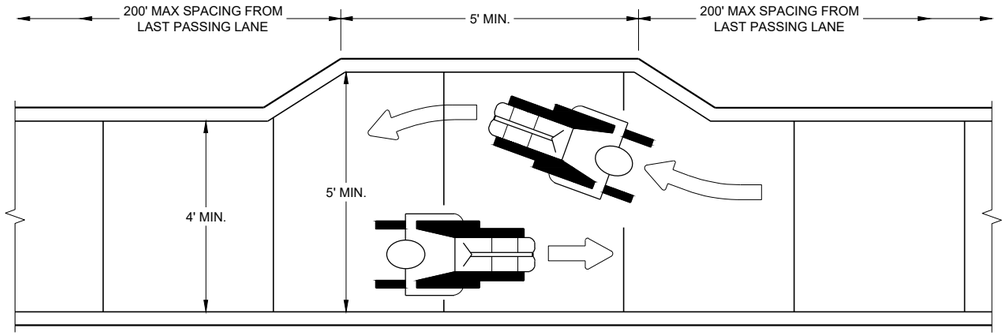
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

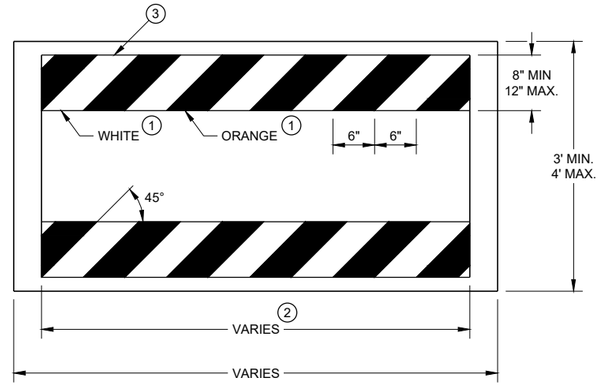
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

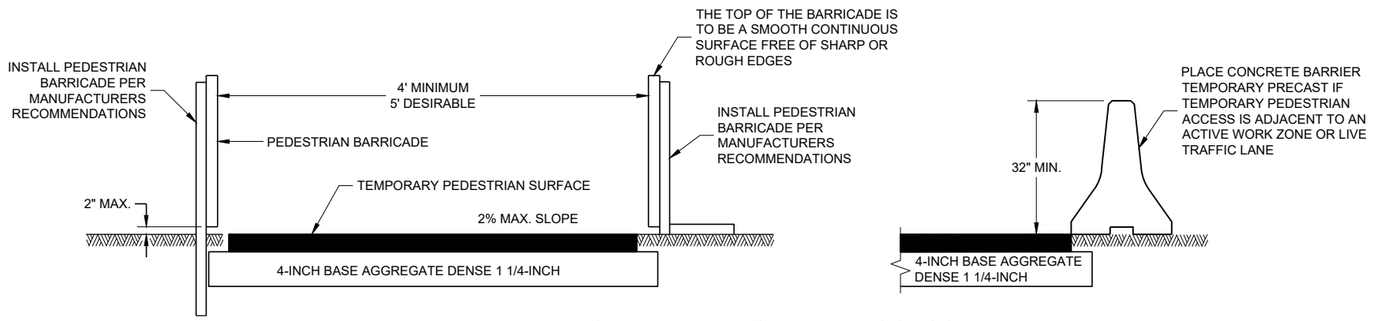
* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN BARRICADE*



TEMPORARY PEDESTRIAN ACCESS

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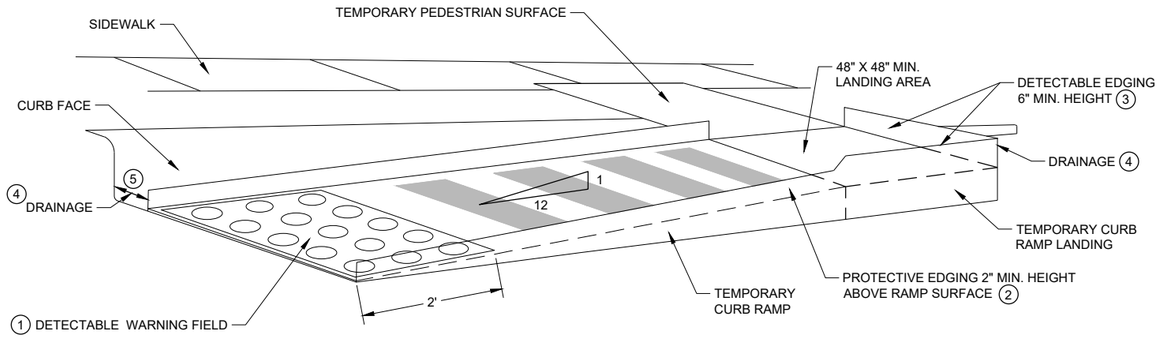
SDD 15D30 - 07a

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION



PERSPECTIVE VIEW

GENERAL NOTES

CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS.

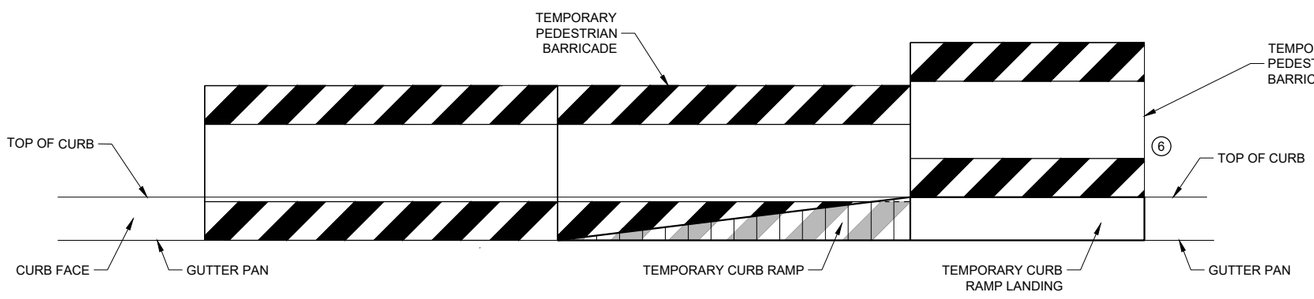
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

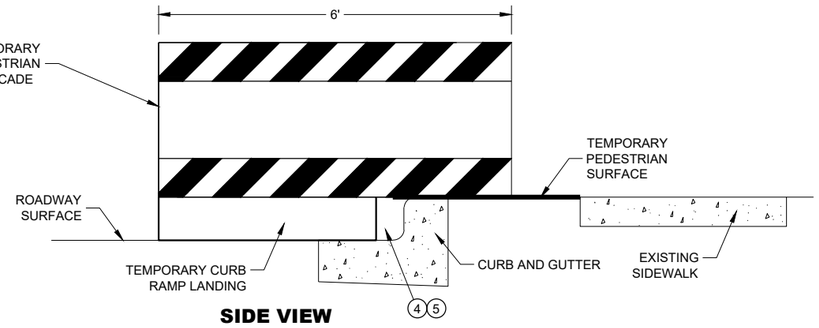
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) 6" MINIMUM BETWEEN CURB FACE AND EDGE OF RAMP

(6) IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL HERE.



FRONT VIEW



SIDE VIEW

TEMPORARY CURB RAMP PARALLEL TO CURB

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 07b

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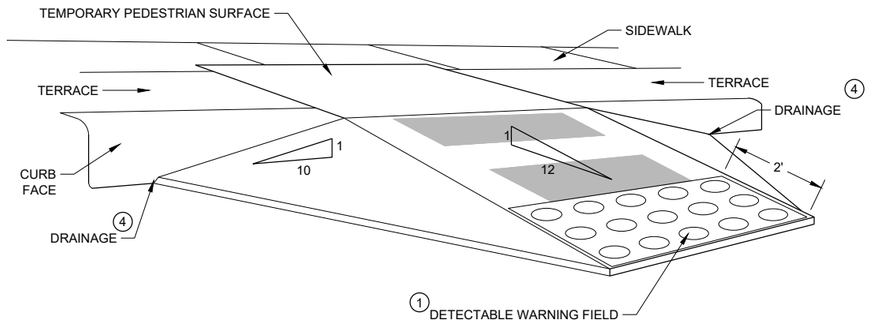
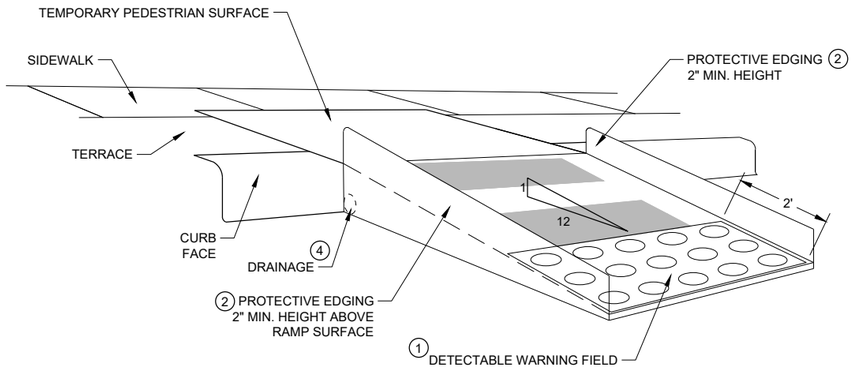
SDD 15D30 - 07b



WITH SIDE APRON (5)



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

CURB RAMPS SHALL BE 48" MINIMUM WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS

(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) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

GENERAL NOTES

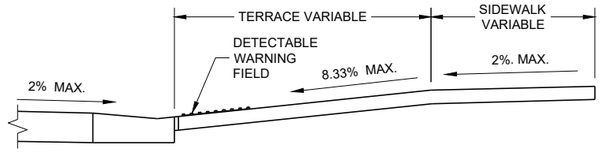
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

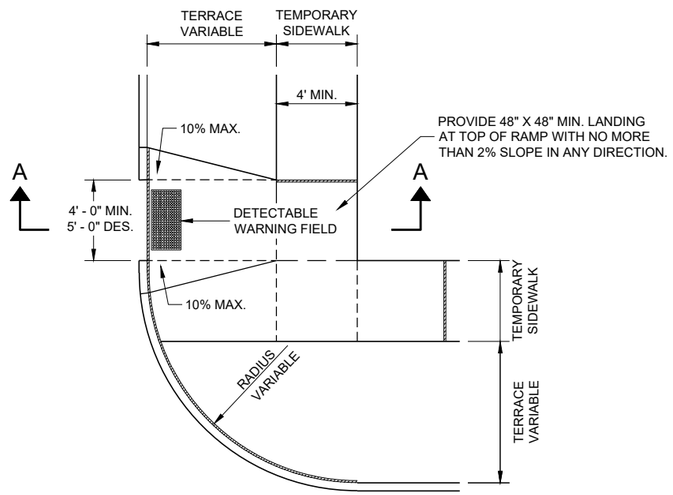
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



SECTION A - A



PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

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SDD 15D30 - 07d

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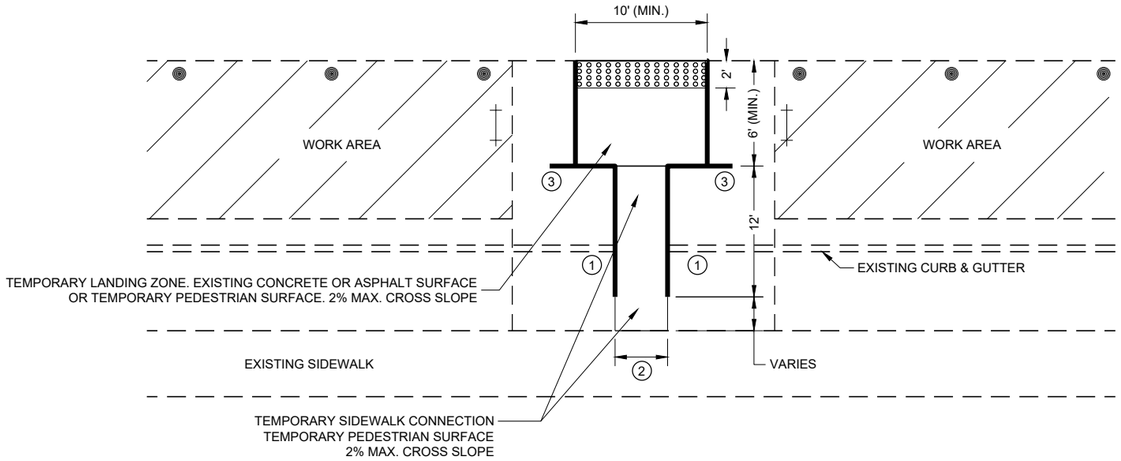
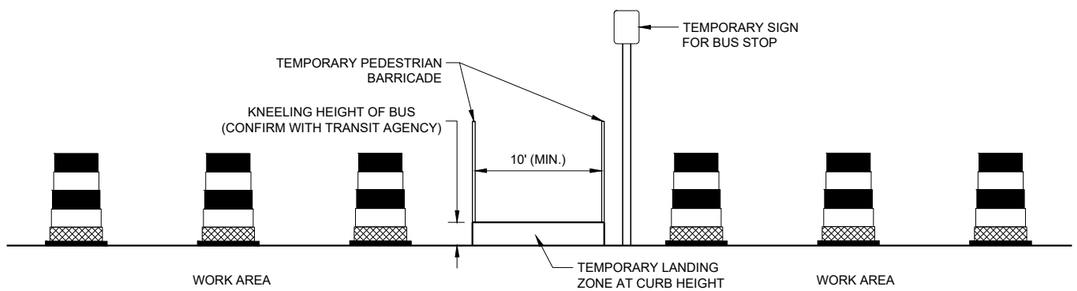
SDD 15D30 - 07d



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

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.

DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

(1) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(2) 5' WIDE MIN. WITH TEMPORARY PEDESTRIAN BARRICADE, 10' WIDE MIN. WITHOUT TEMPORARY PEDESTRIAN BARRICADE.

(3) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE INTO THIS SPACE.

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY DETECTABLE WARNING FIELD
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

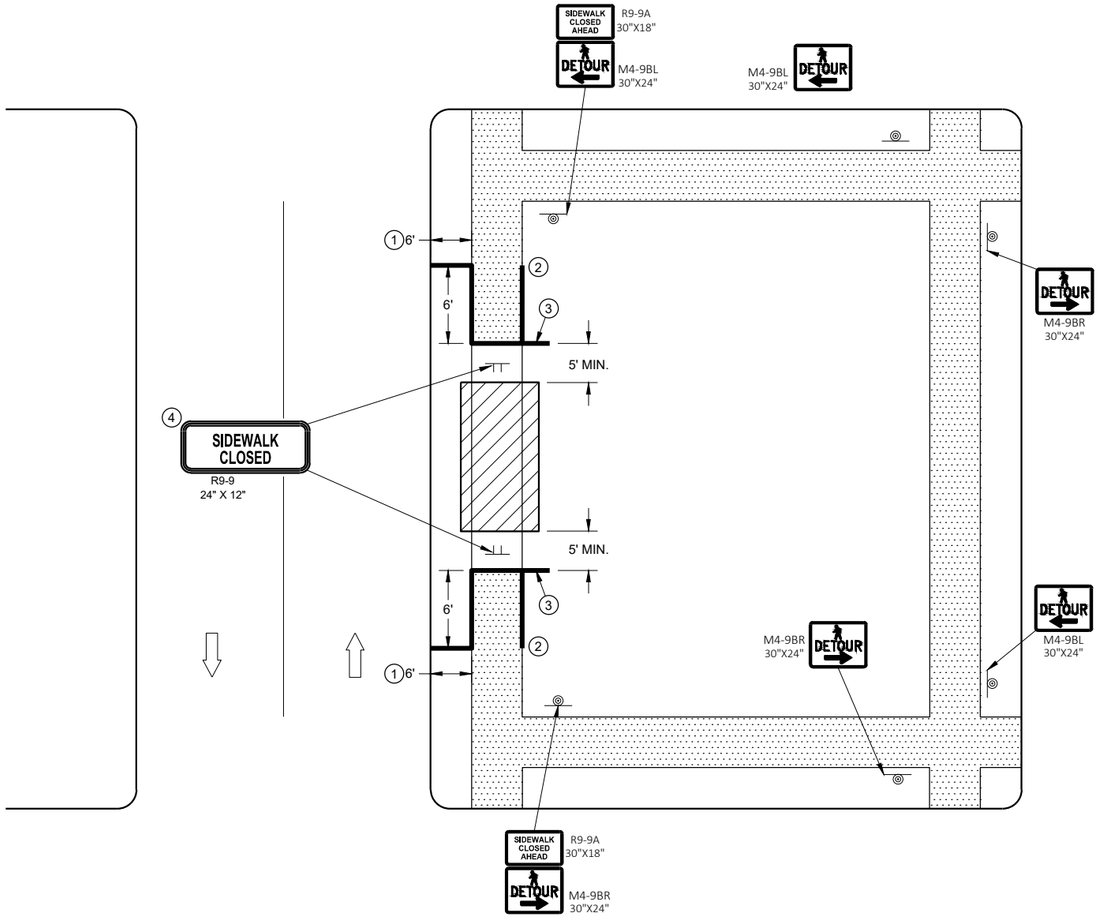
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 484

6

SDD 15D30 - 07e

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC



SIDEWALK DETOUR, SIDEWALK ONLY ON ONE SIDE

GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY PEDESTRIAN SURFACE
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

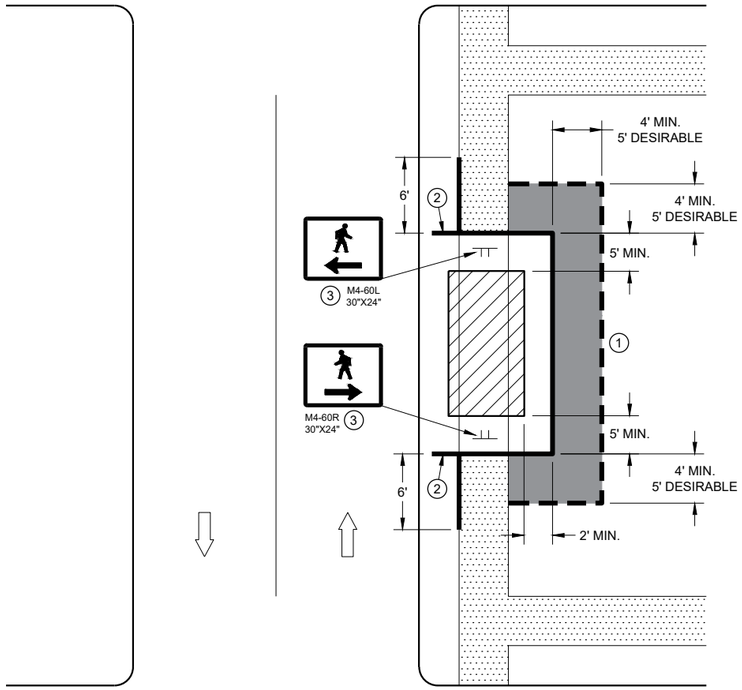
TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

1. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
2. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
3. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.



SIDEWALK DIVERSION
SINGLE SIDE

6

SDD 15D30 - 07g

6

SDD15D30 - 07g

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

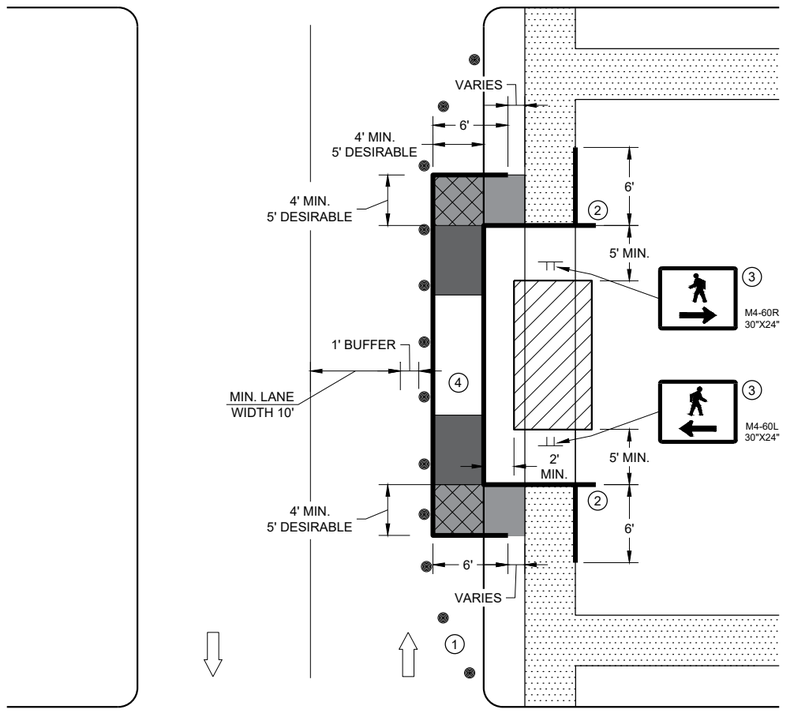
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND BUFFER SPACE REQUIRED.

(2) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.

(3) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

(4) USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE.



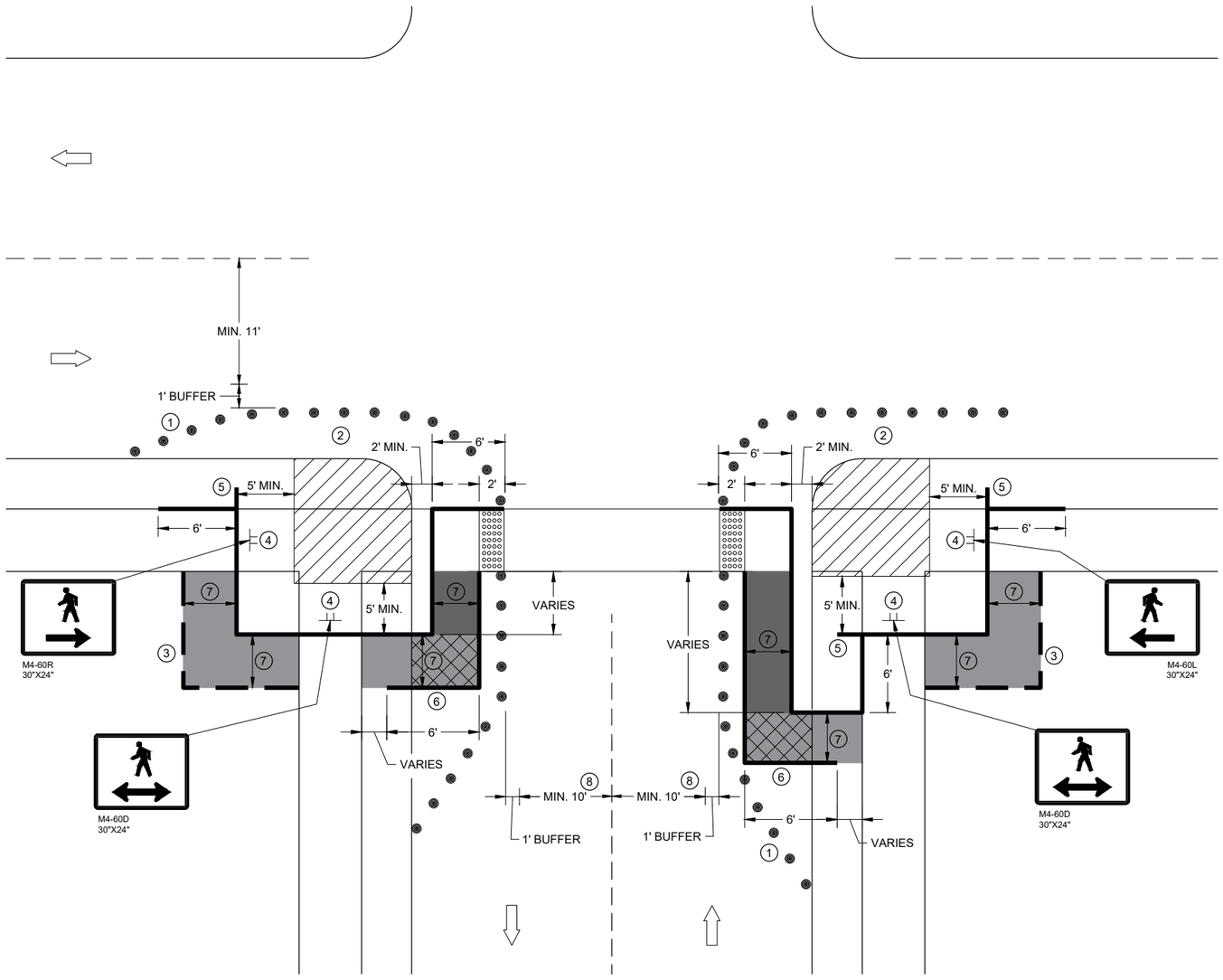
SIDEWALK DIVERSION, SINGLE SIDE

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 07h



CURB RAMP PEDESTRIAN TRAFFIC CONTROL
SIDEWALK ON SINGLE SIDE

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

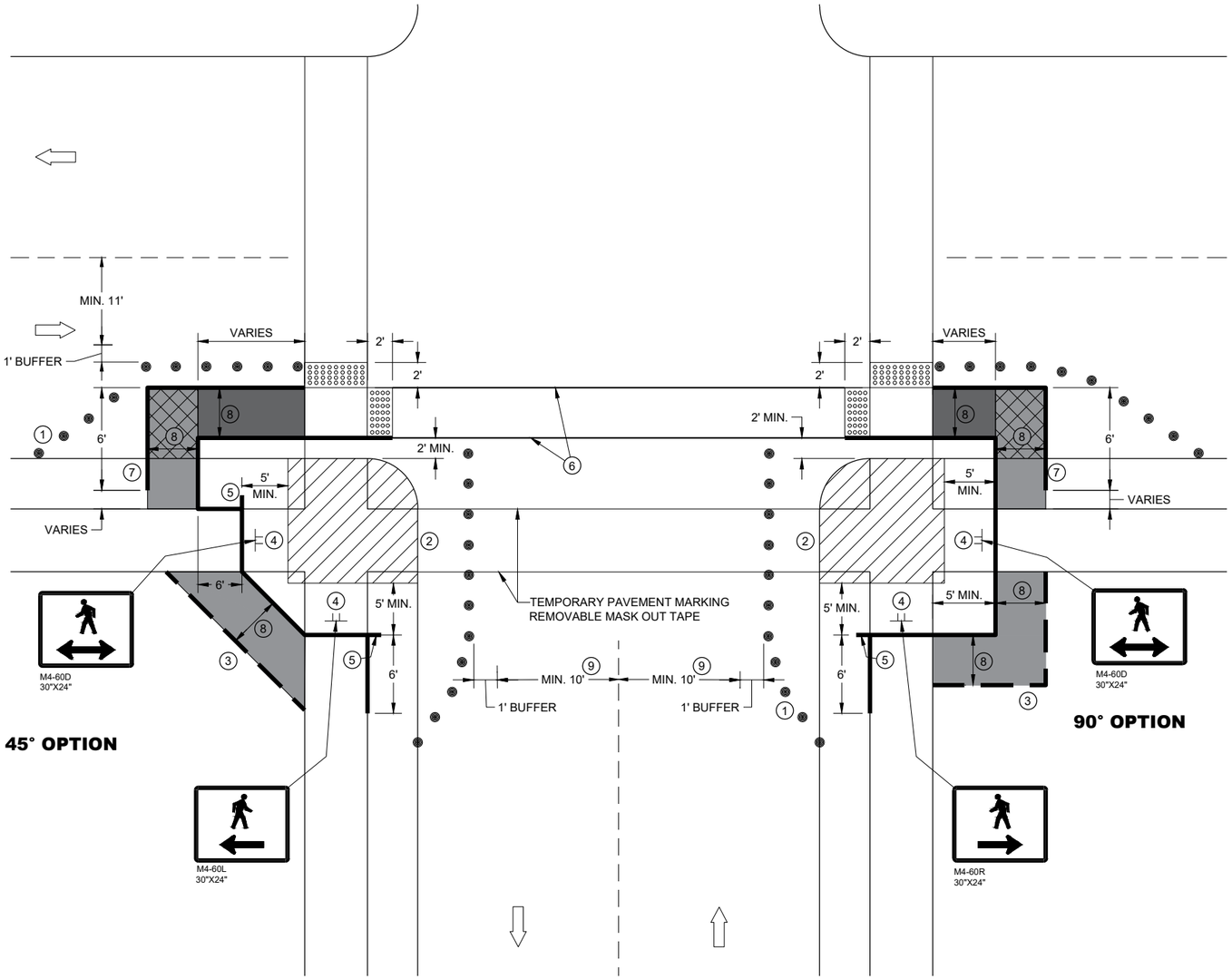
1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
5. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
6. IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
7. 4 FEET MINIMUM, 5 FEET DESIRABLE
8. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

6
SDD 15D30 - 07i



CURB RAMP PEDESTRIAN TRAFFIC CONTROL

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
5. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
6. WHITE 6" TEMPORARY PAVEMENT MARKING
7. IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
8. 4 FEET MINIMUM, 5 FEET DESIRABLE
9. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

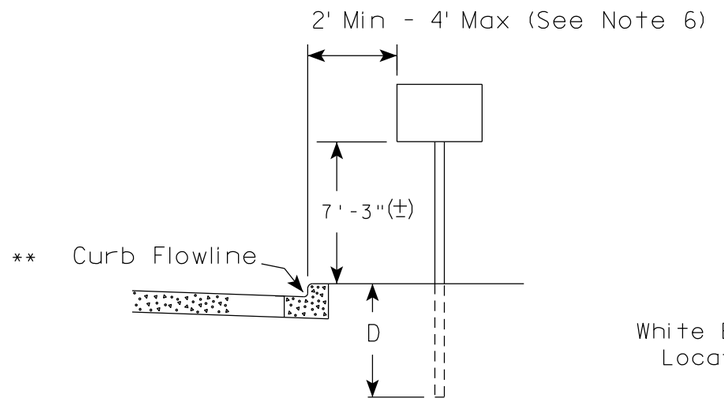
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

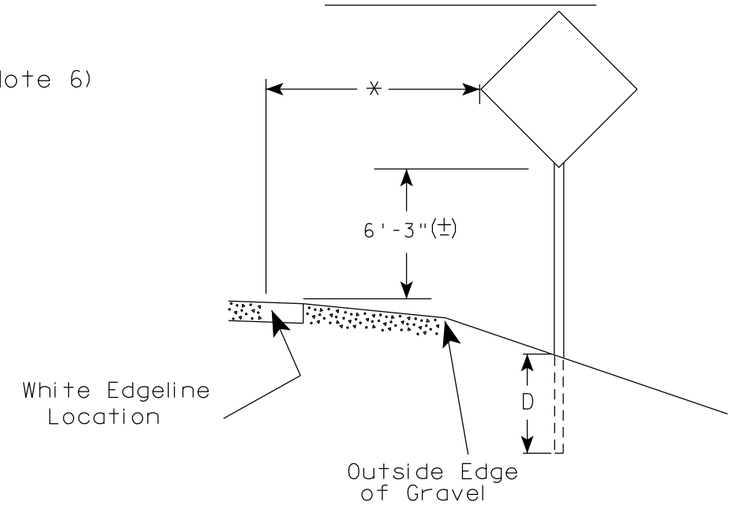
SDD 15D30 - 07j

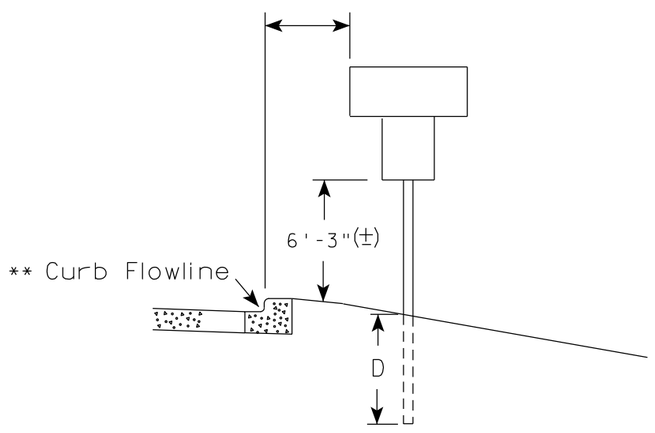
6

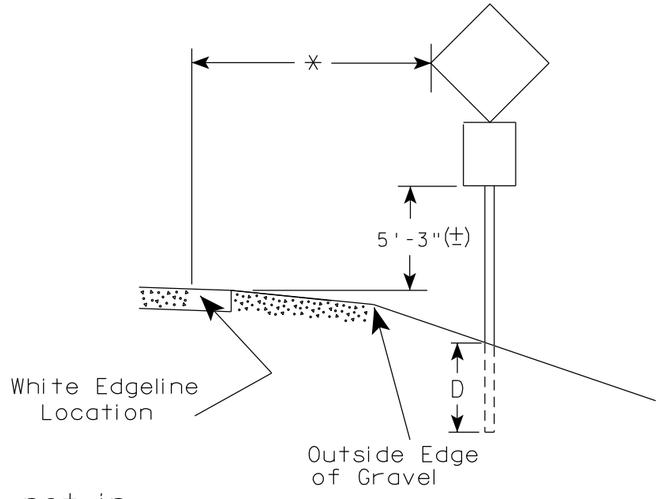
URBAN AREA



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.

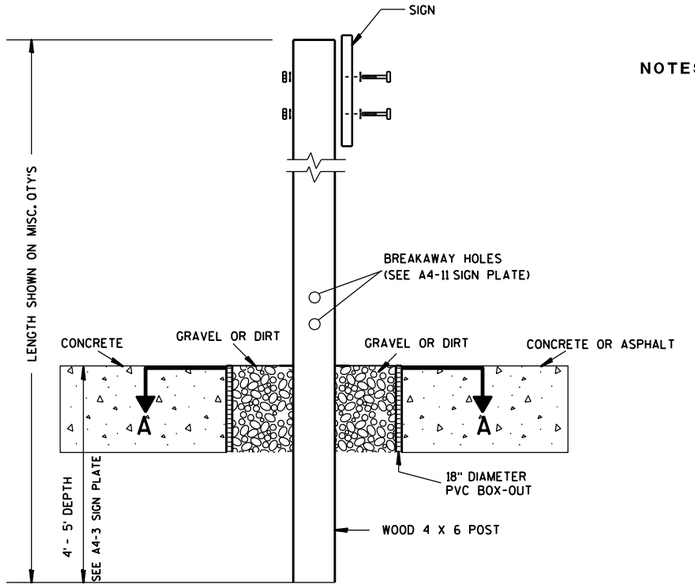
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

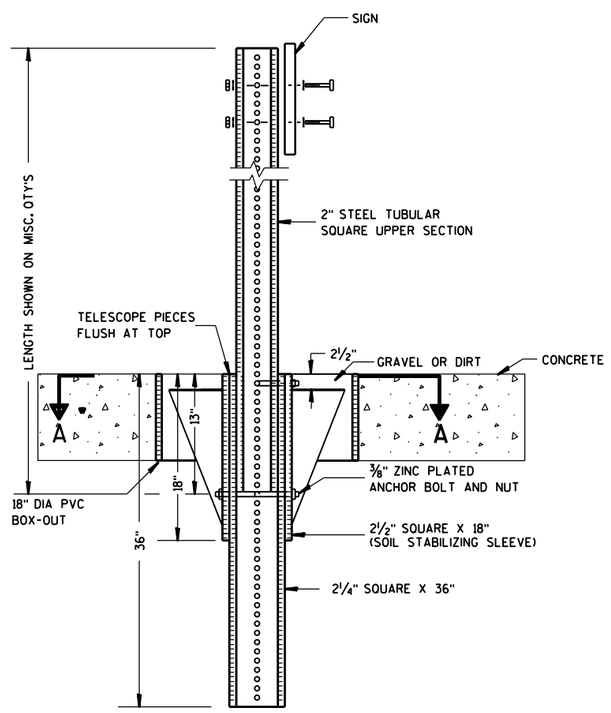
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 490	E



ELEVATION VIEW

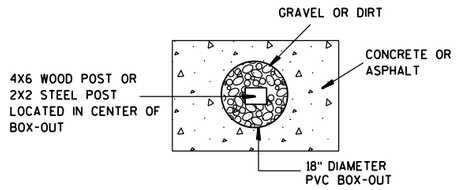
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

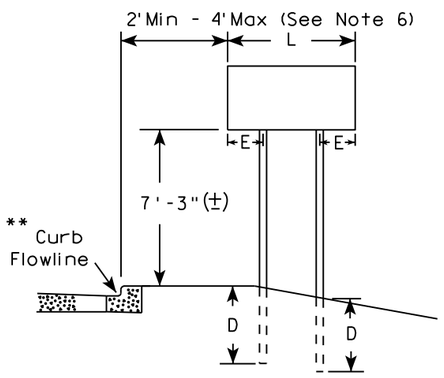
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

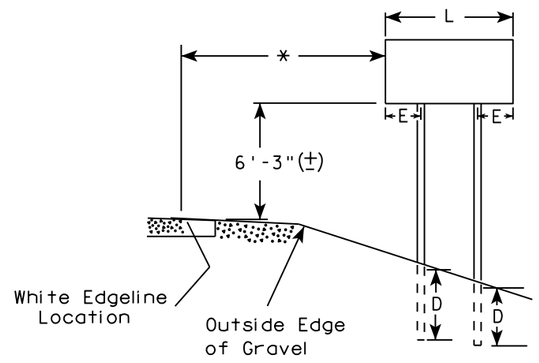
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

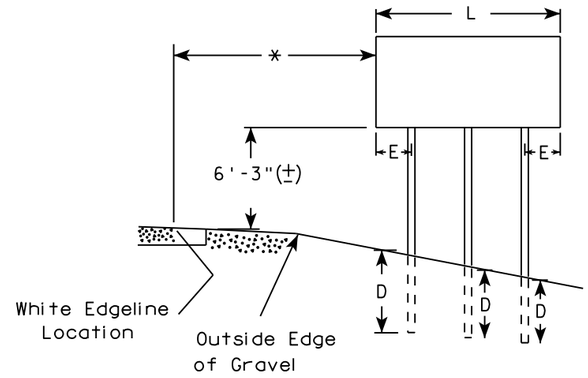
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

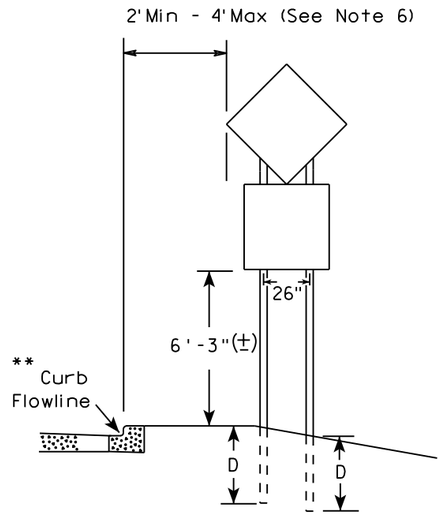
URBAN AREA



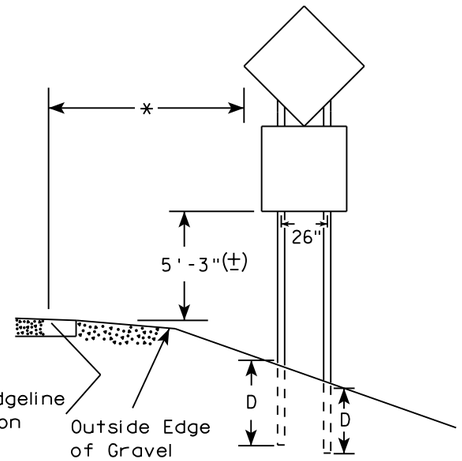
RURAL AREA (See Note 3)







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'

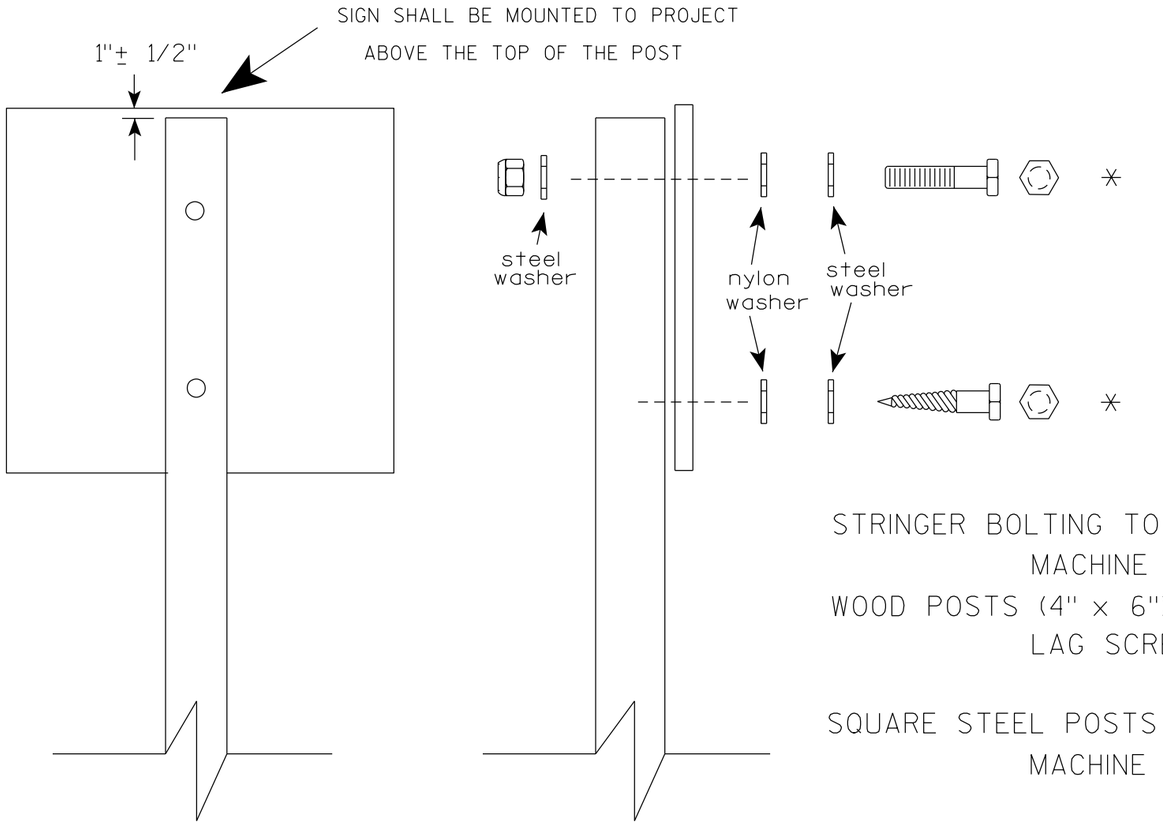
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

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: 492	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

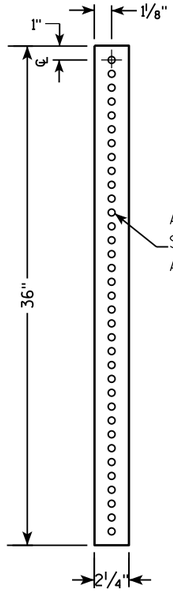
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

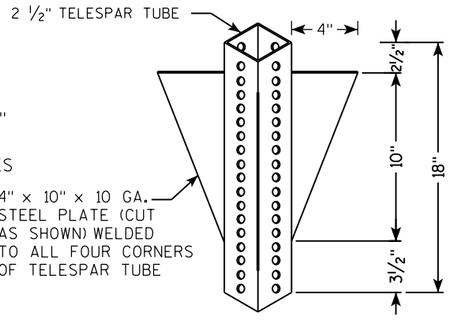
SHEET NO: 493 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

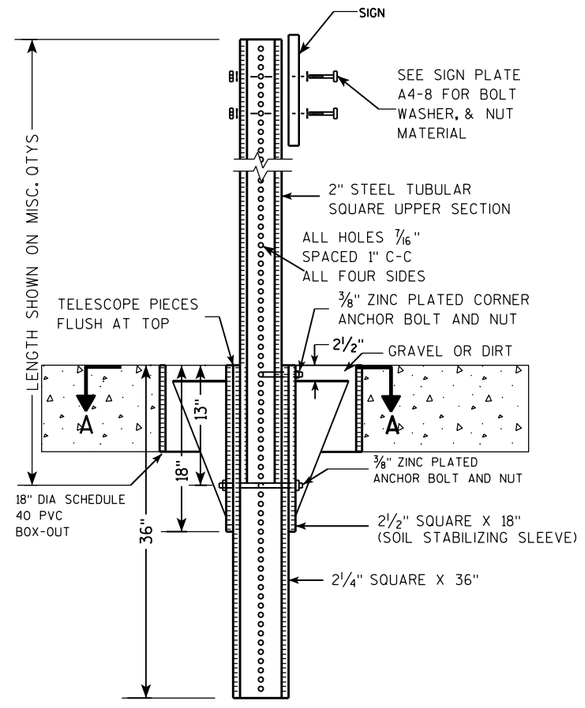
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



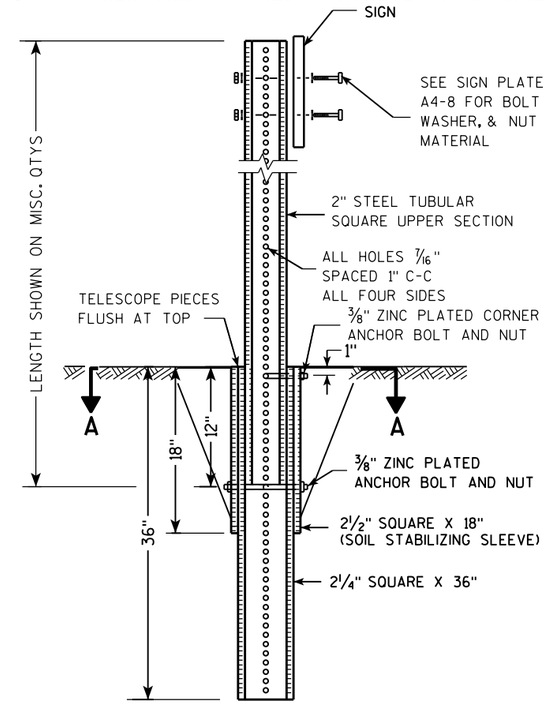
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

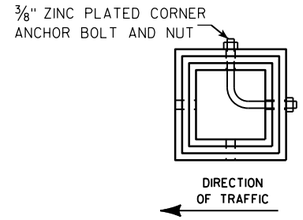


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

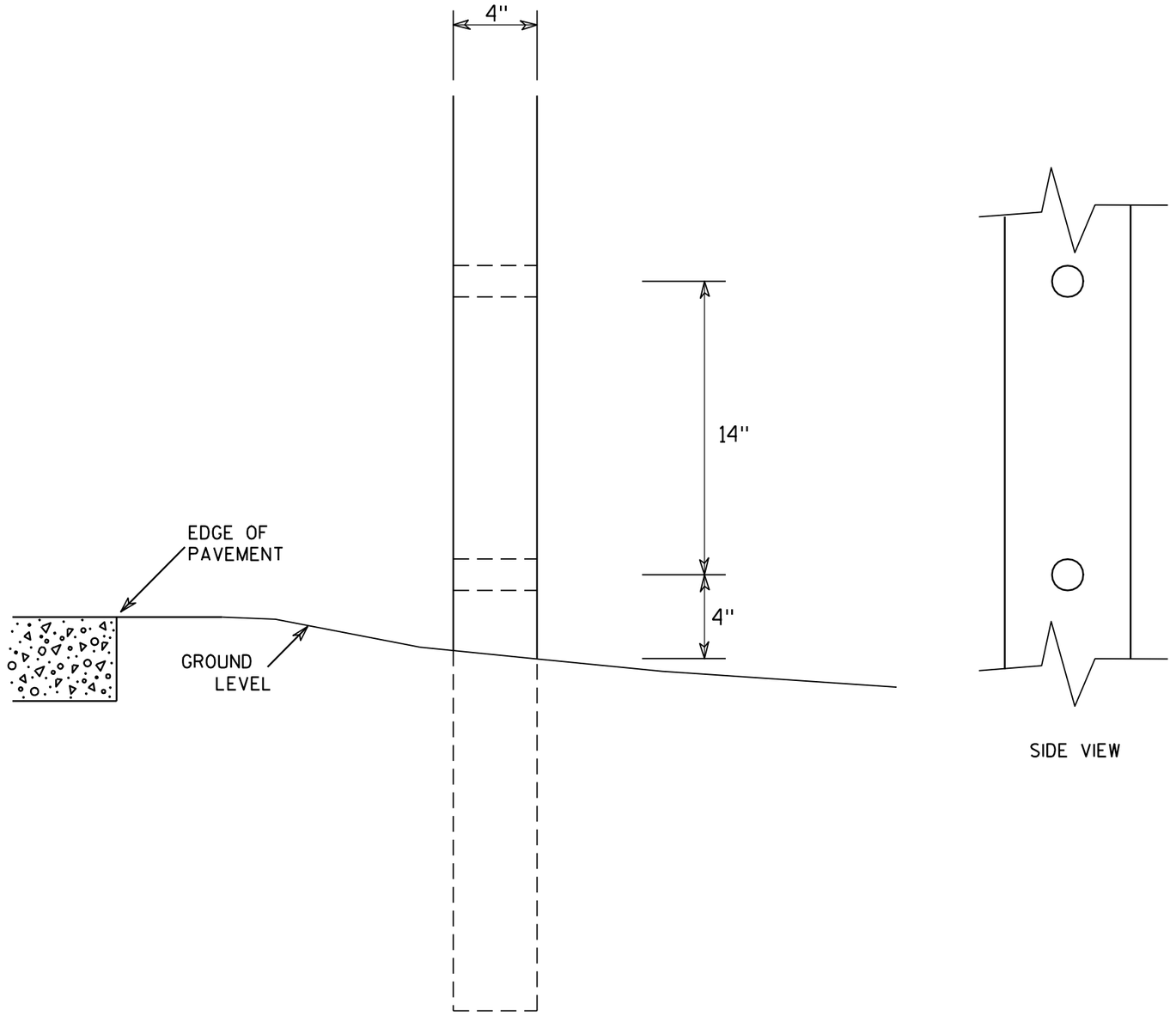
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 494 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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.

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

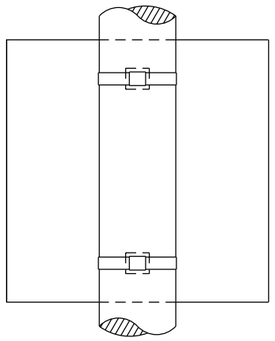
APPROVED Chester J Spang
for State Traffic Engineer

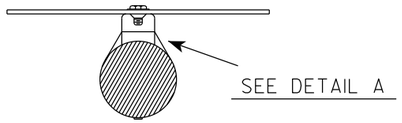
DATE 3/27/97 PLATE NO. A4-11.2

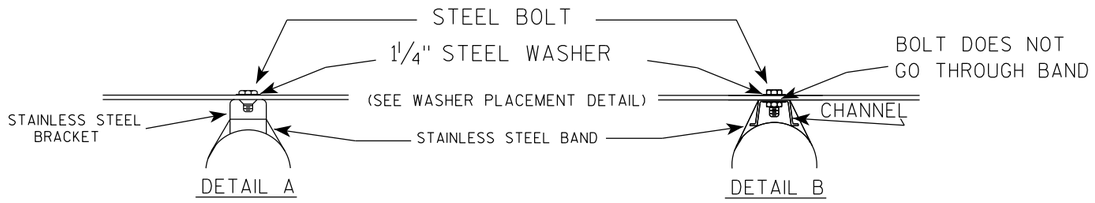
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 495	E

BANDING

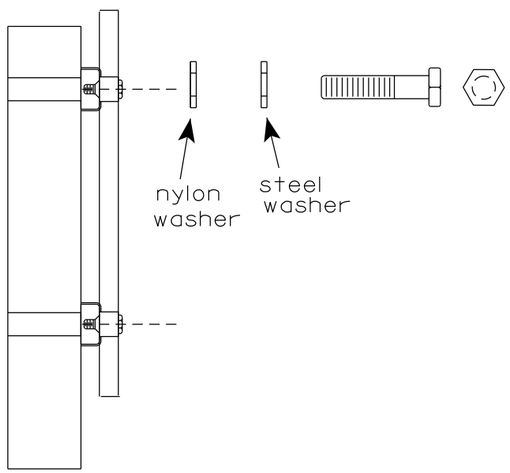
SINGLE SIGN







WASHER PLACEMENT

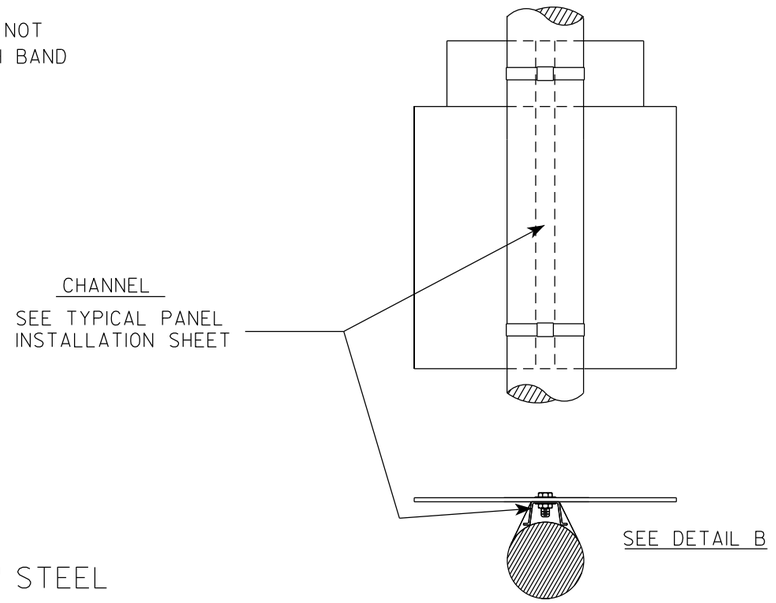


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

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



STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

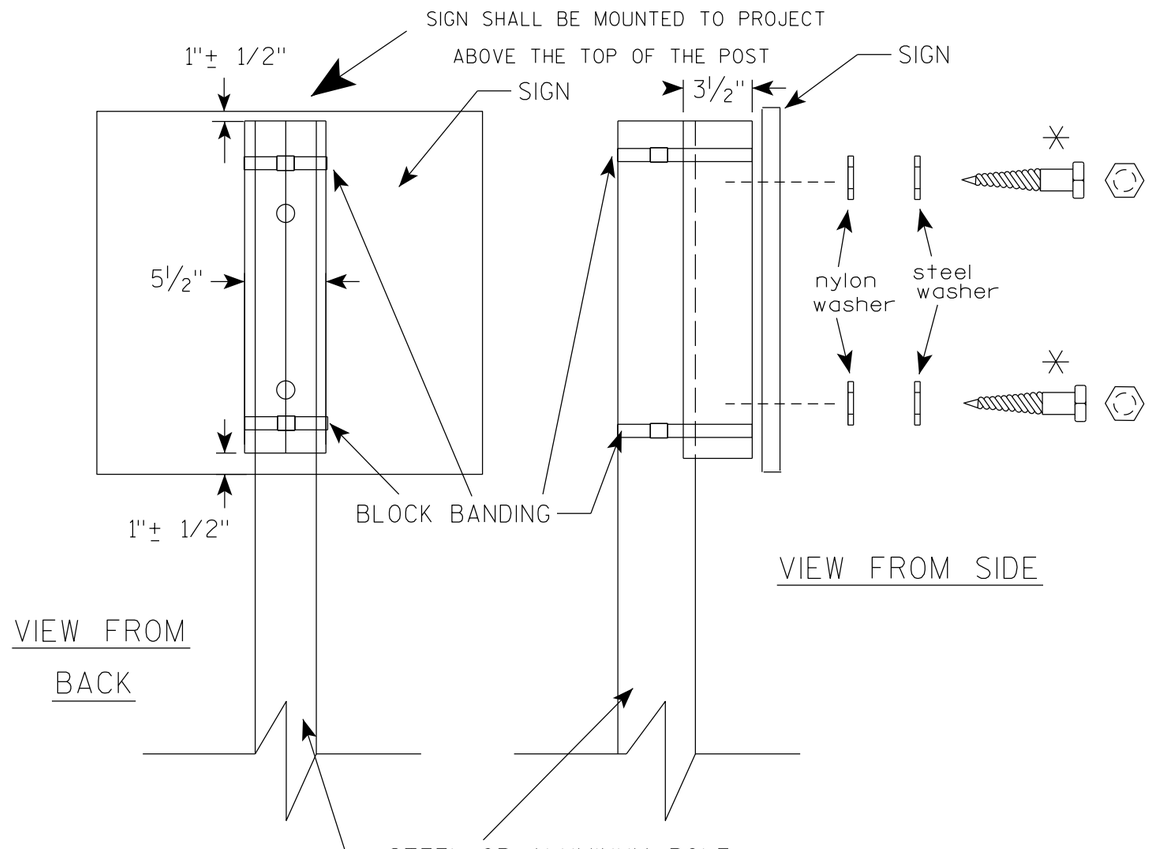
DATE 6/10/19 PLATE NO. A5-9.4

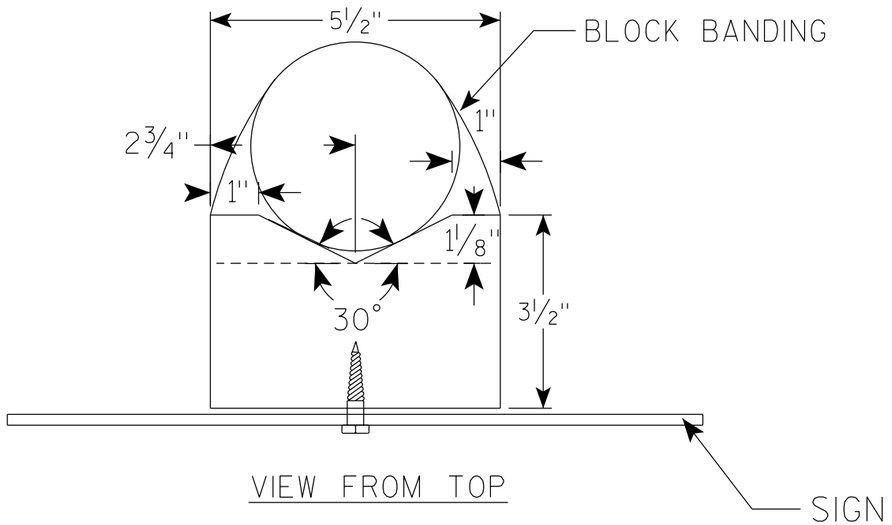
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 496	E

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)

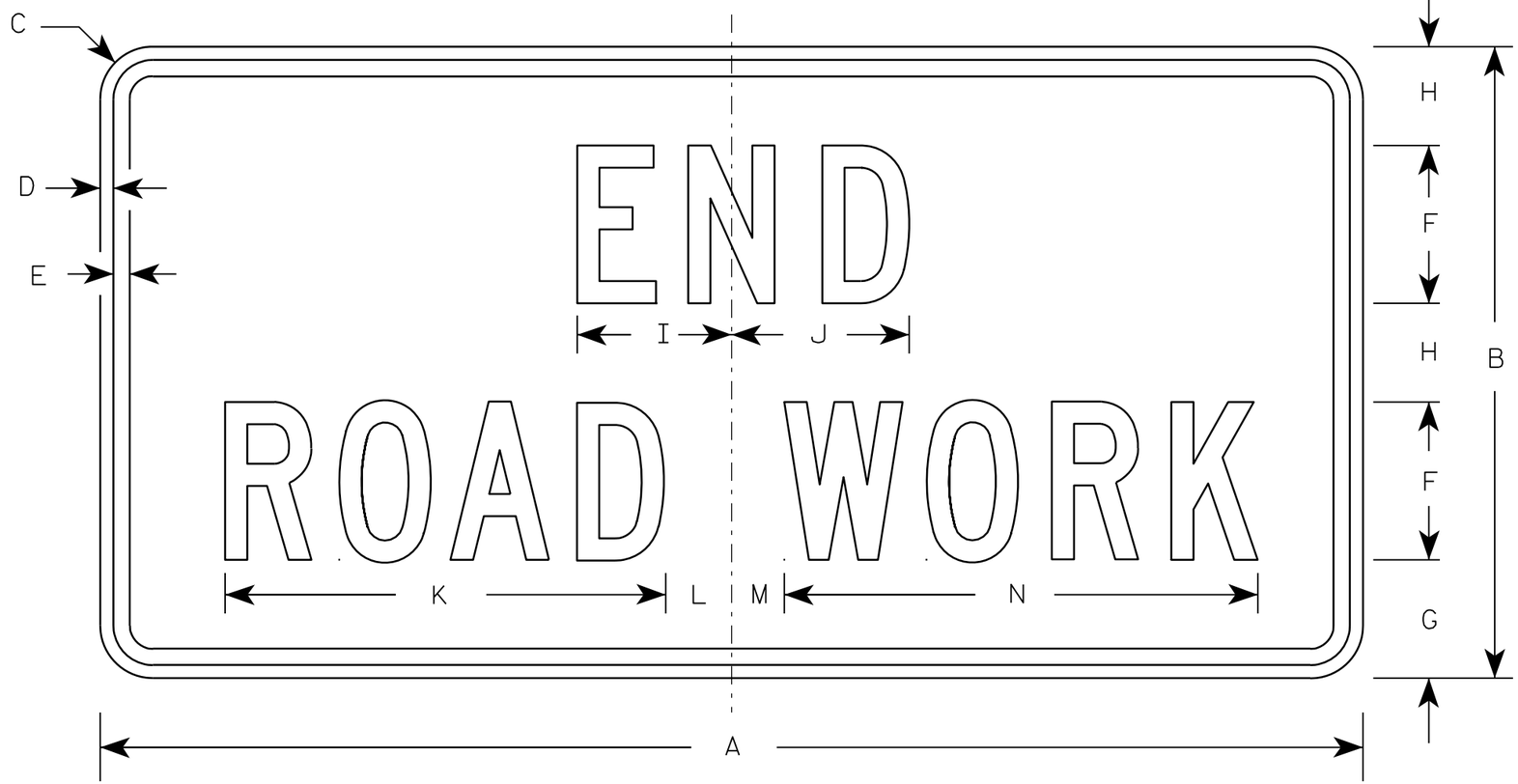
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 497 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

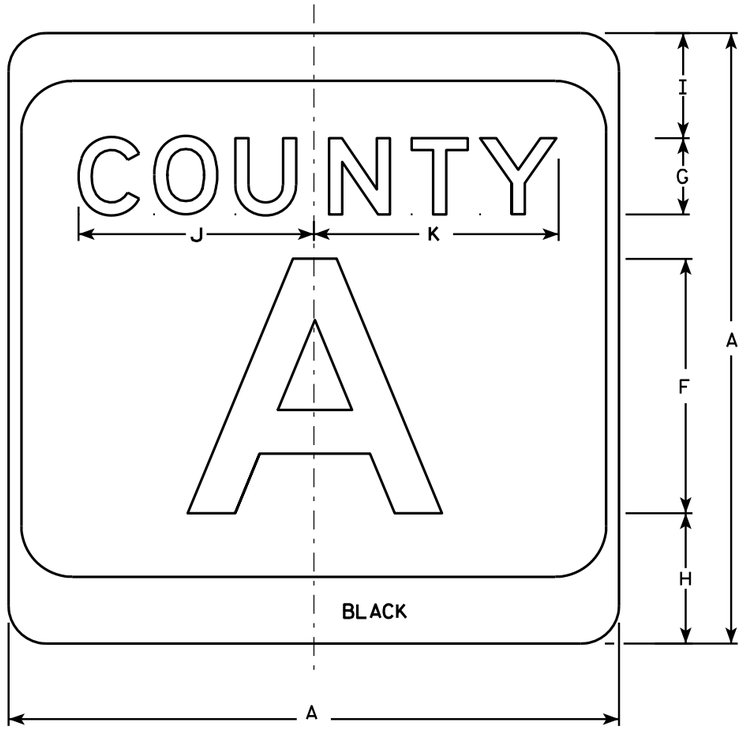
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

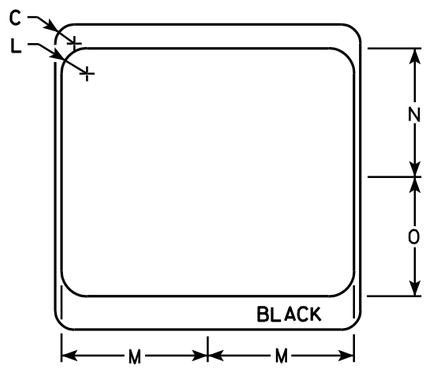
APPROVED Matthew R Rauch
for State Traffic Engineer

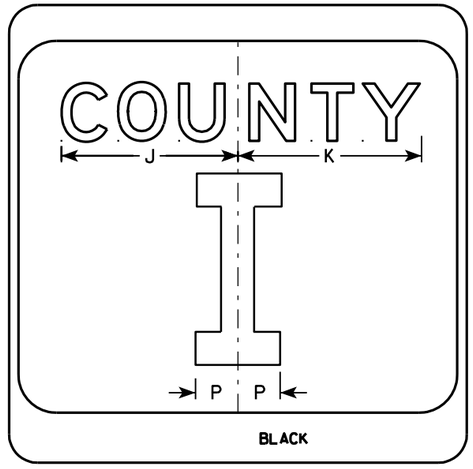
DATE 9/30/09 PLATE NO. G20-2A.8

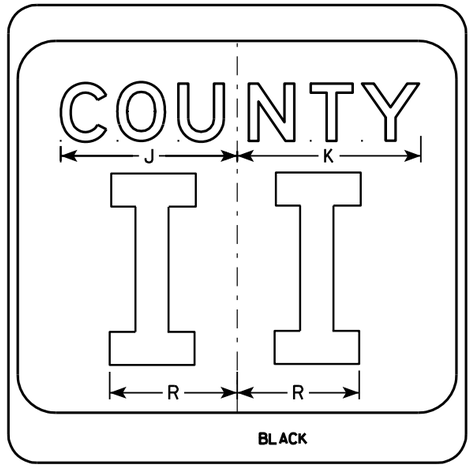
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 498	E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   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. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

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		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

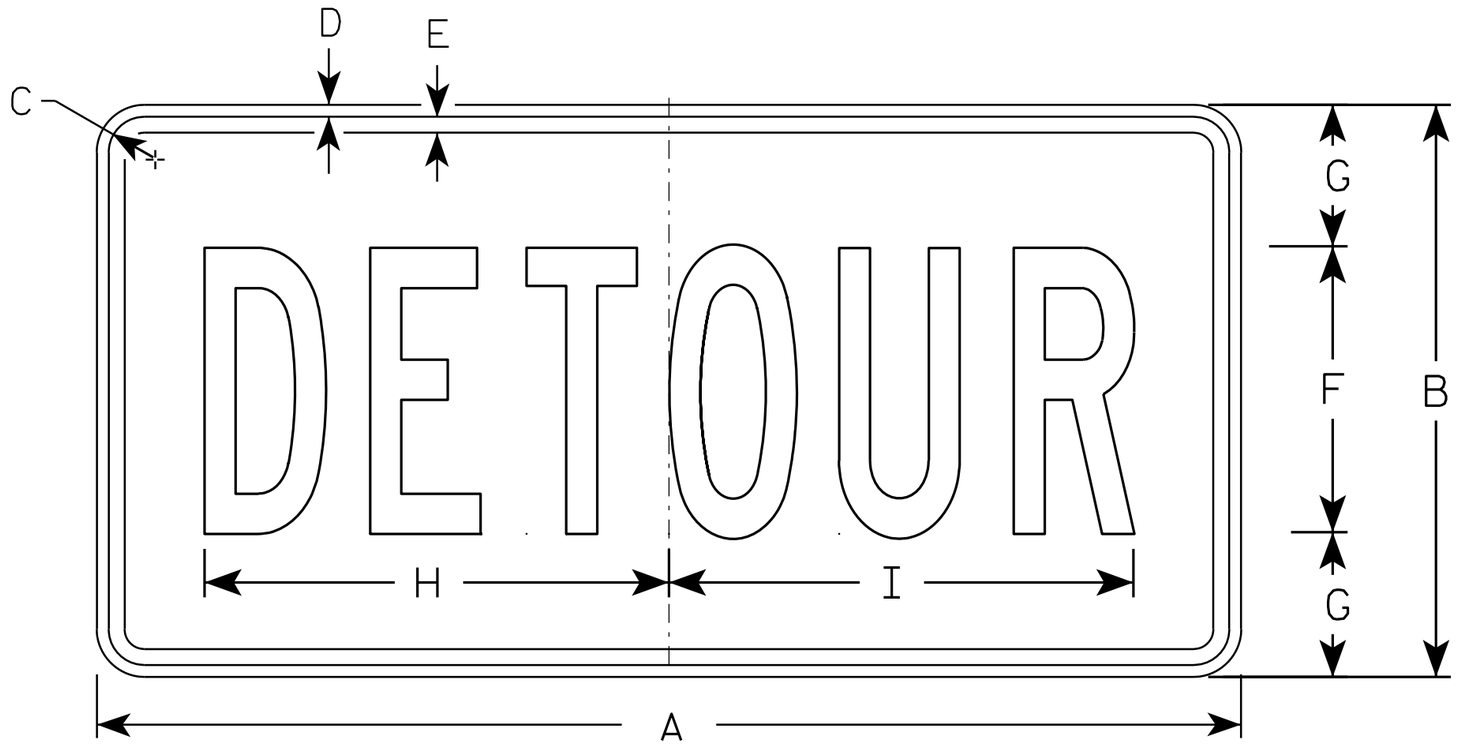
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 499	E



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

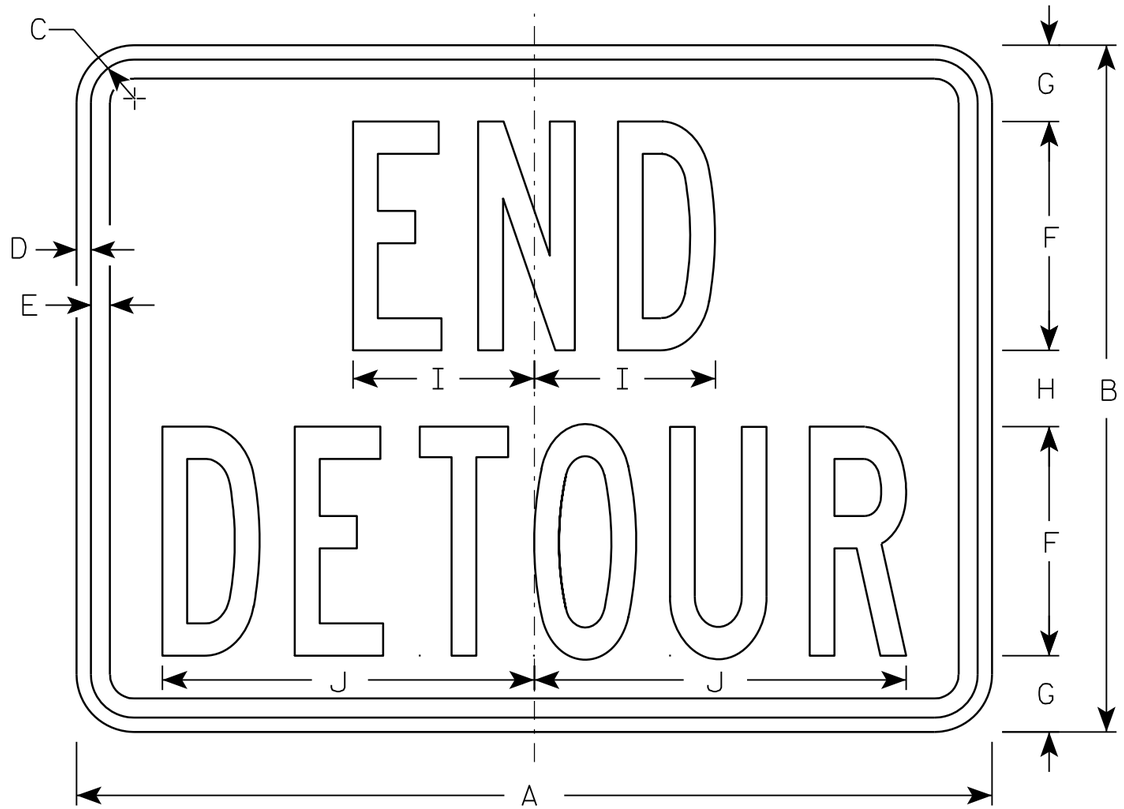
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 500	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M48.DGN PLOT DATE : 10-NOV-2010 13:18 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 4.767233:1.000000

WISDOT/CADDS SHEET 42

7

7



M4-8A

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	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

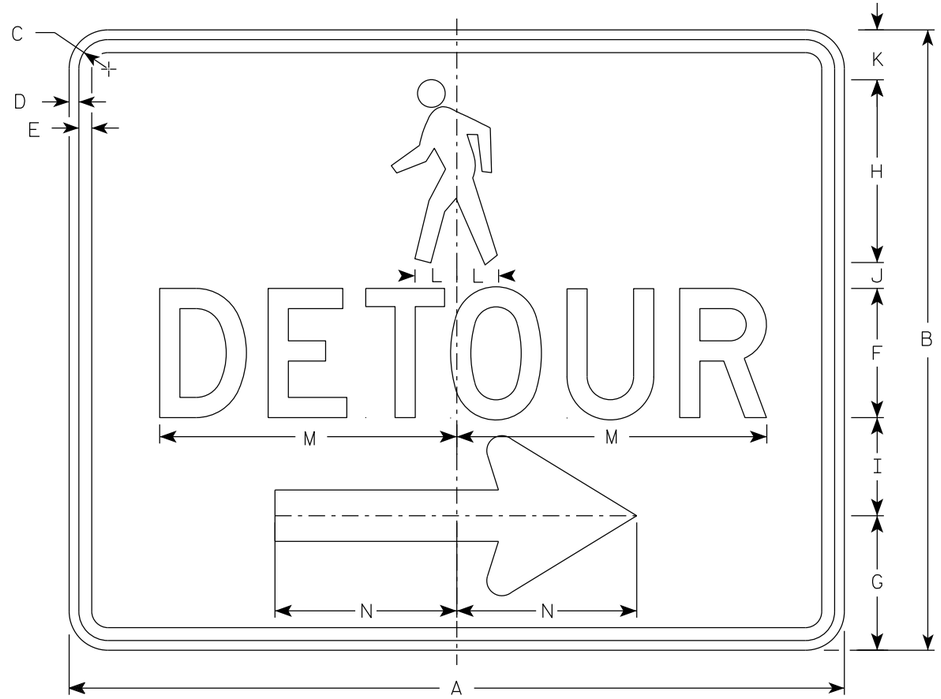
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

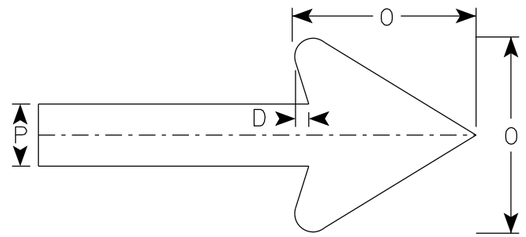
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 501	E



M4-9BR

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. M4-9BL is the same as M4-9BR 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	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.00
3																											
4																											
5																											

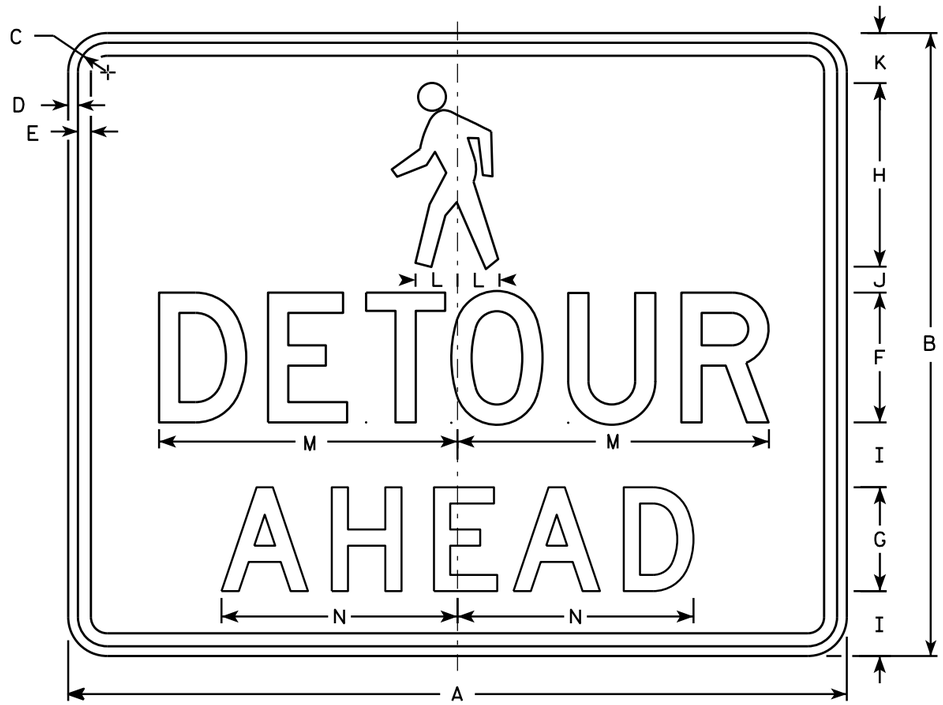
STANDARD SIGN
M4-9B L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 7/1/19 PLATE NO. M4-9B.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 502 | E



M4-9BA

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.

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 1/8	2 1/2	1	1 7/8	1 5/8	11 3/4	9 1/8													5.0
3																											
4																											
5																											

STANDARD SIGN
M4-9BA

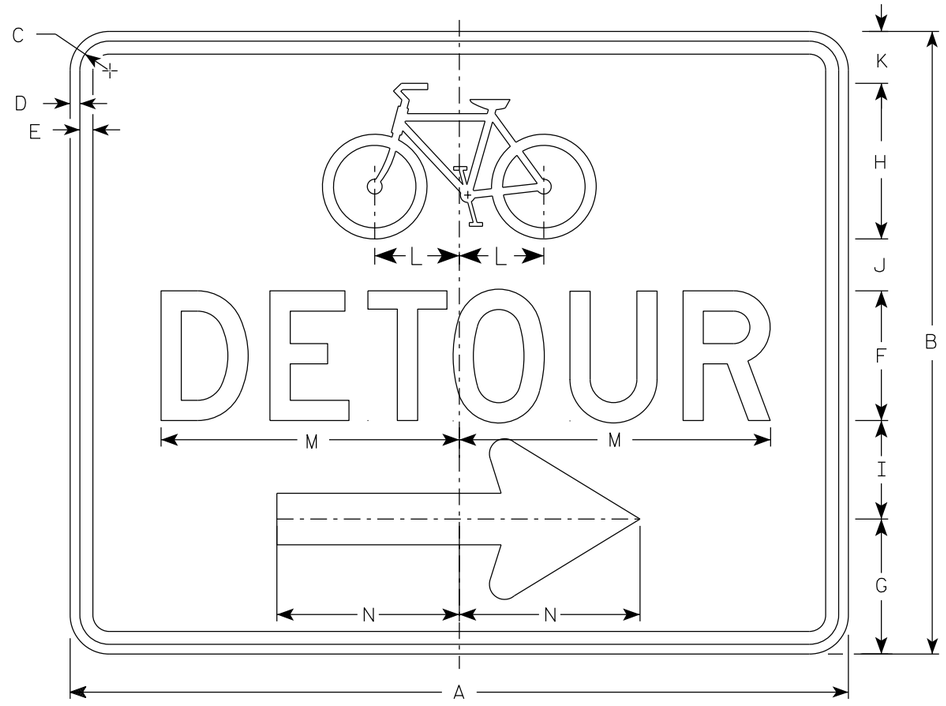
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/16 PLATE NO. M4-9BA.1

PROJECT NO: | HWY: | COUNTY: | | SHEET NO: E

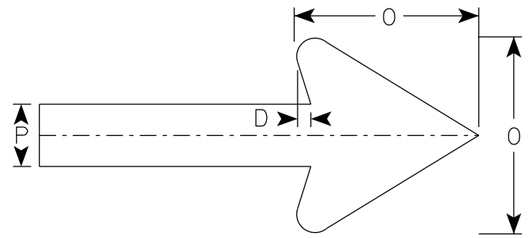
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\M49BA.dgn PLOT DATE : 24-MAR-2016 14:57 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



M4-9CR

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. M4-9CL is the same as M4-9CR 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	5 1/4	6	3 3/4	2	2	3 1/4	11 3/4	7	6	2											5.00
3																											
4																											
5																											

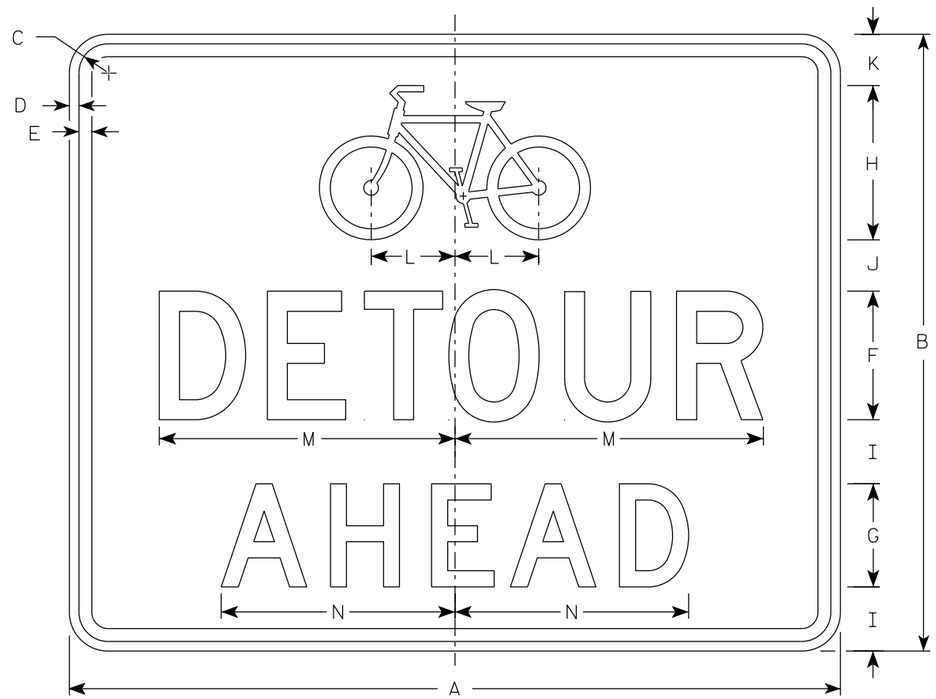
STANDARD SIGN
M4-9C L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/2/19 PLATE NO. M4-9C.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 504	E



M4-9CA

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.

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	6	2 1/2	2	2	3 1/4	11 3/4	9 1/8													5.0
3																											
4																											
5																											

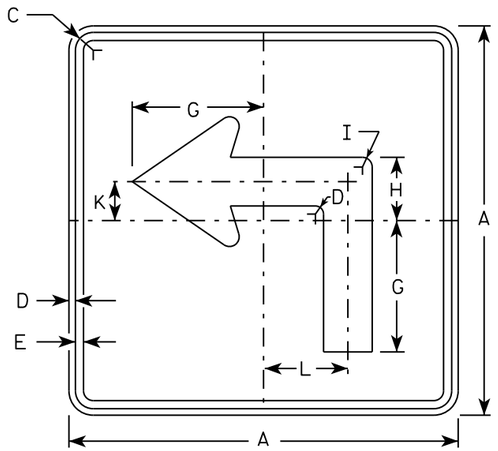
STANDARD SIGN
M4-9CA

WISCONSIN DEPT OF TRANSPORTATION

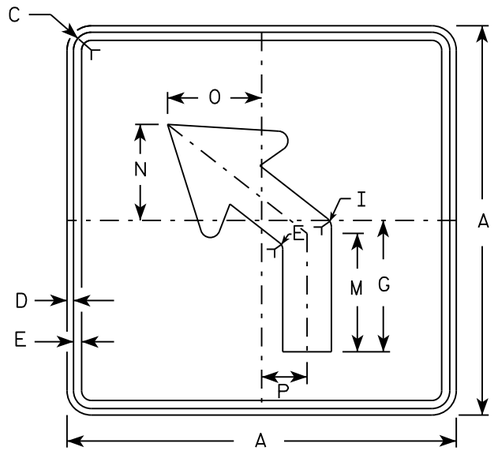
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/27/2020 PLATE NO. M4-9CA.1

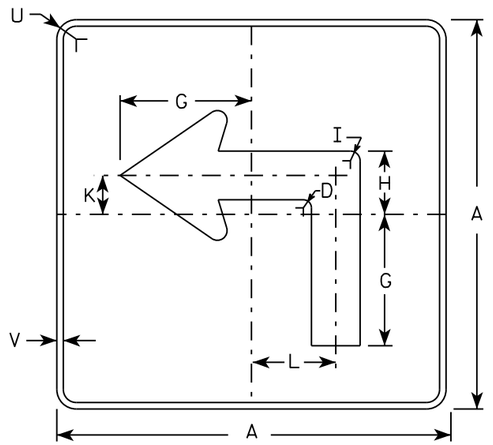
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 505	E



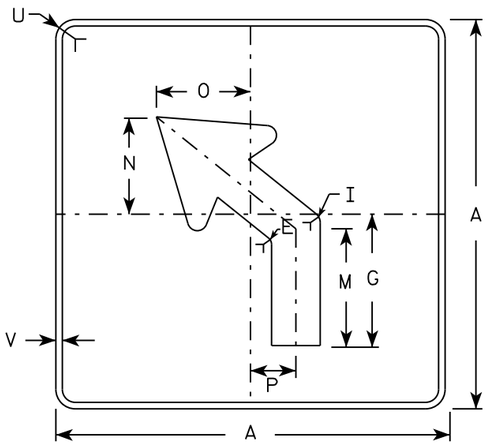
M5-1L
MM5-1L
MO5-1L
MP5-1L



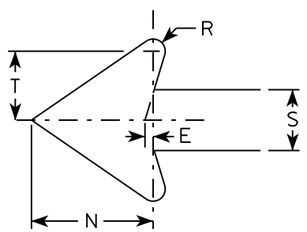
M5-2L
MM5-2L
MO5-2L
MP5-2L



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

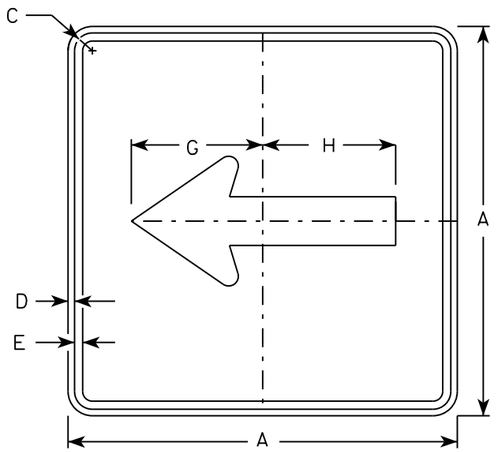
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

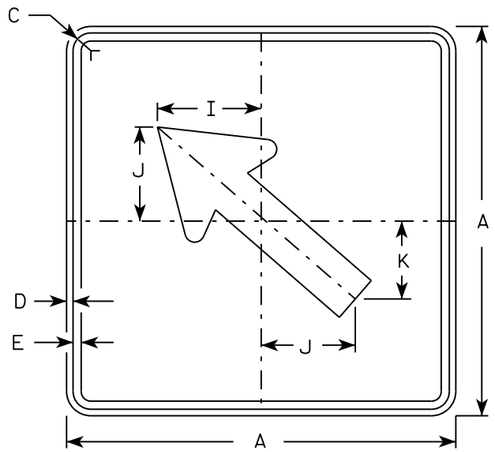
DATE 10/15/15 PLATE NO. M5-1.13

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



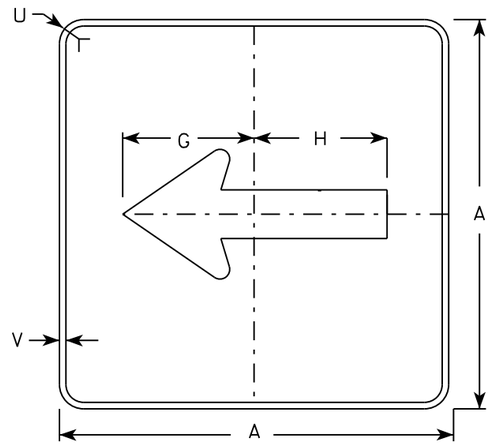
M6-1
MM6-1
MO6-1
MP6-1



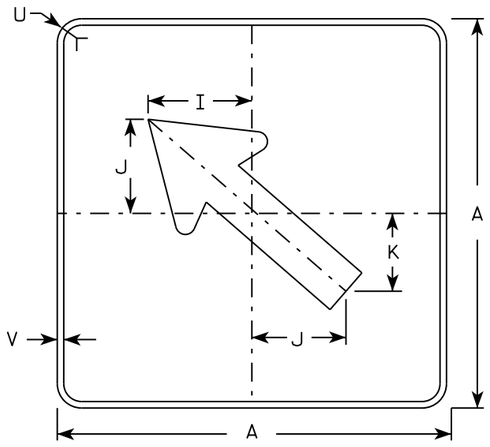
M6-2
MM6-2
MO6-2
MP6-2

NOTES

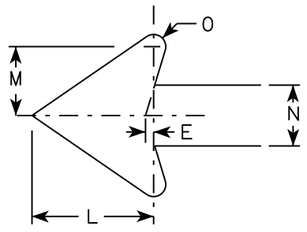
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - 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

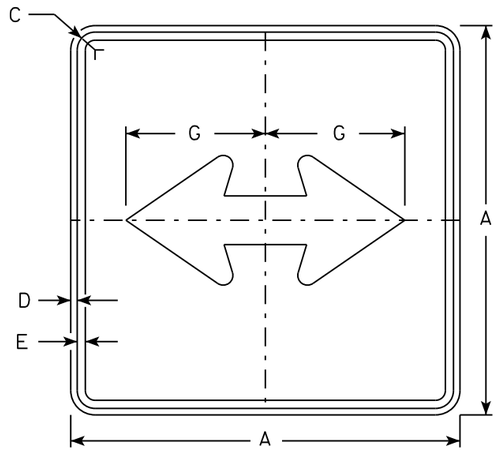
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

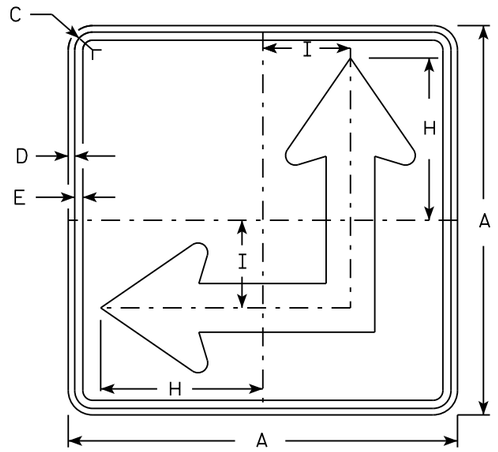
DATE 10/15/15 PLATE 507 M6-1.15

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



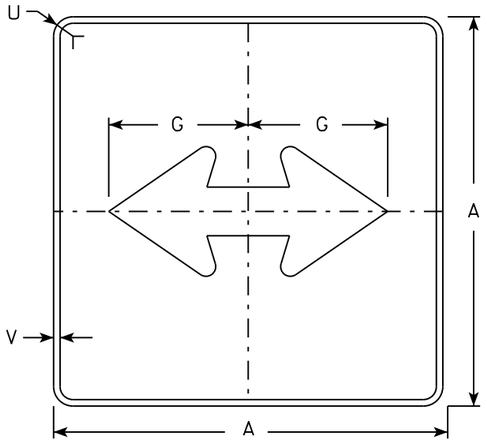
M6-4
MM6-4
MO6-4
MP6-4



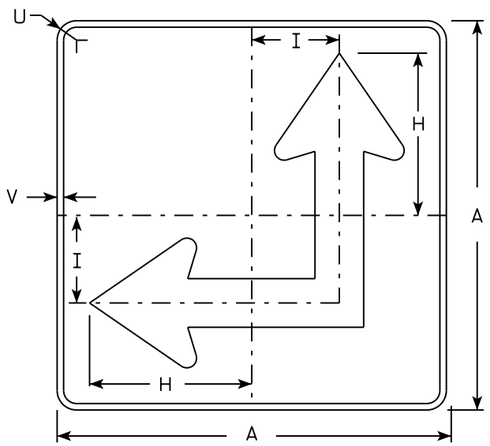
M6-6
MM6-6
MO6-6
MP6-6

NOTES

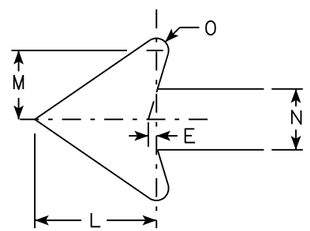
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White
   MK6-4 and MK6-6 Background - Green
   Message - White
   MM6-4 and MM6-6 Background - White
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow
5. M6-6R same as M6-6L except arrow points ahead and right.



MB6-4
MK6-4
MN6-4
MR6-4



MB6-6
MK6-6
MN6-6
MR6-6



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	8 3/4	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	12 1/2	6 3/4			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	12 1/2	6 3/4			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	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

STANDARD SIGN
M6-4 & M6-6
SERIES

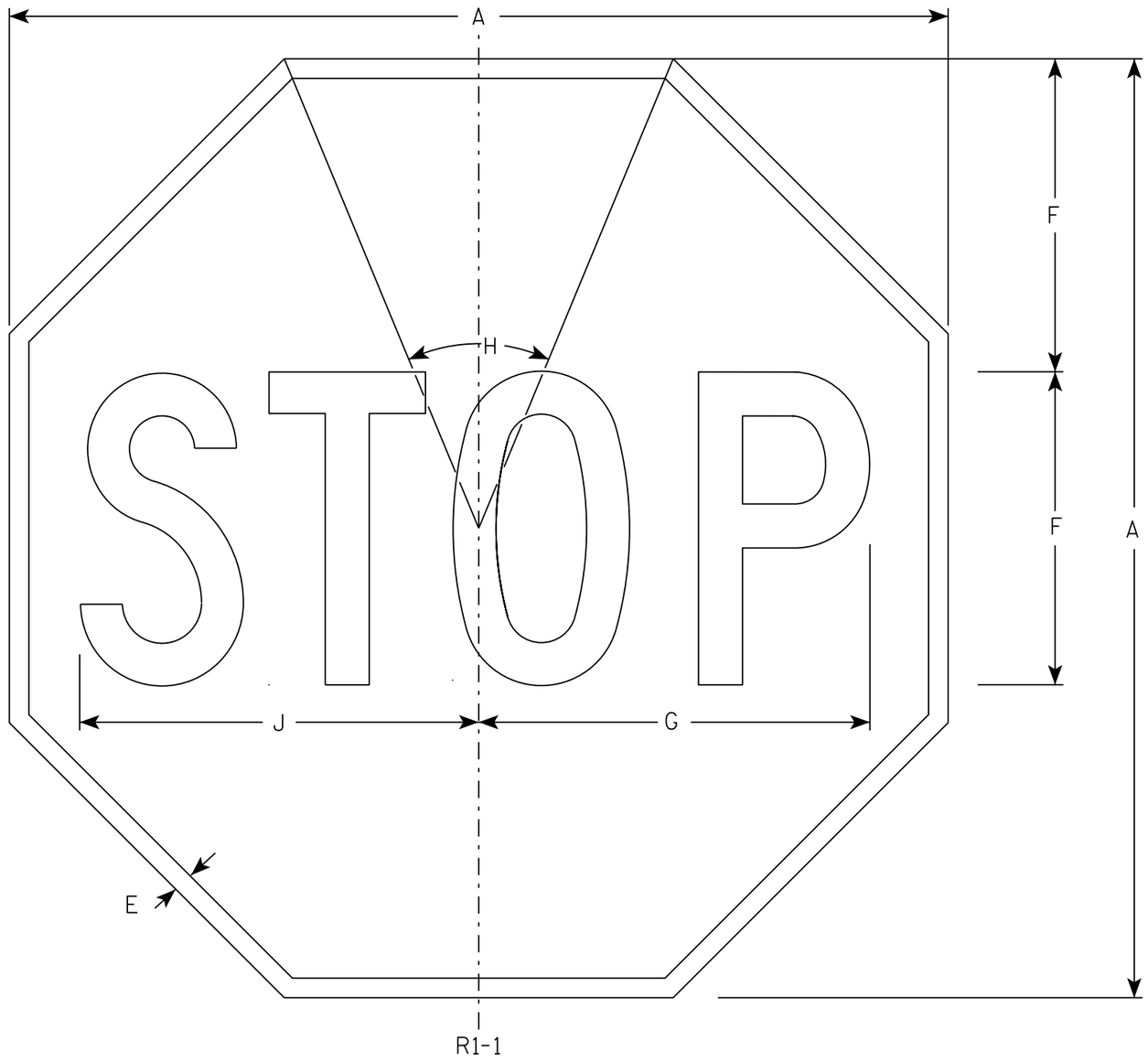
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 10/15/15 PLATE 508 M6-4.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M64.DGN PLOT DATE : 01-DEC-2015 17:58 PLOT BY : $$ platuser $$ 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

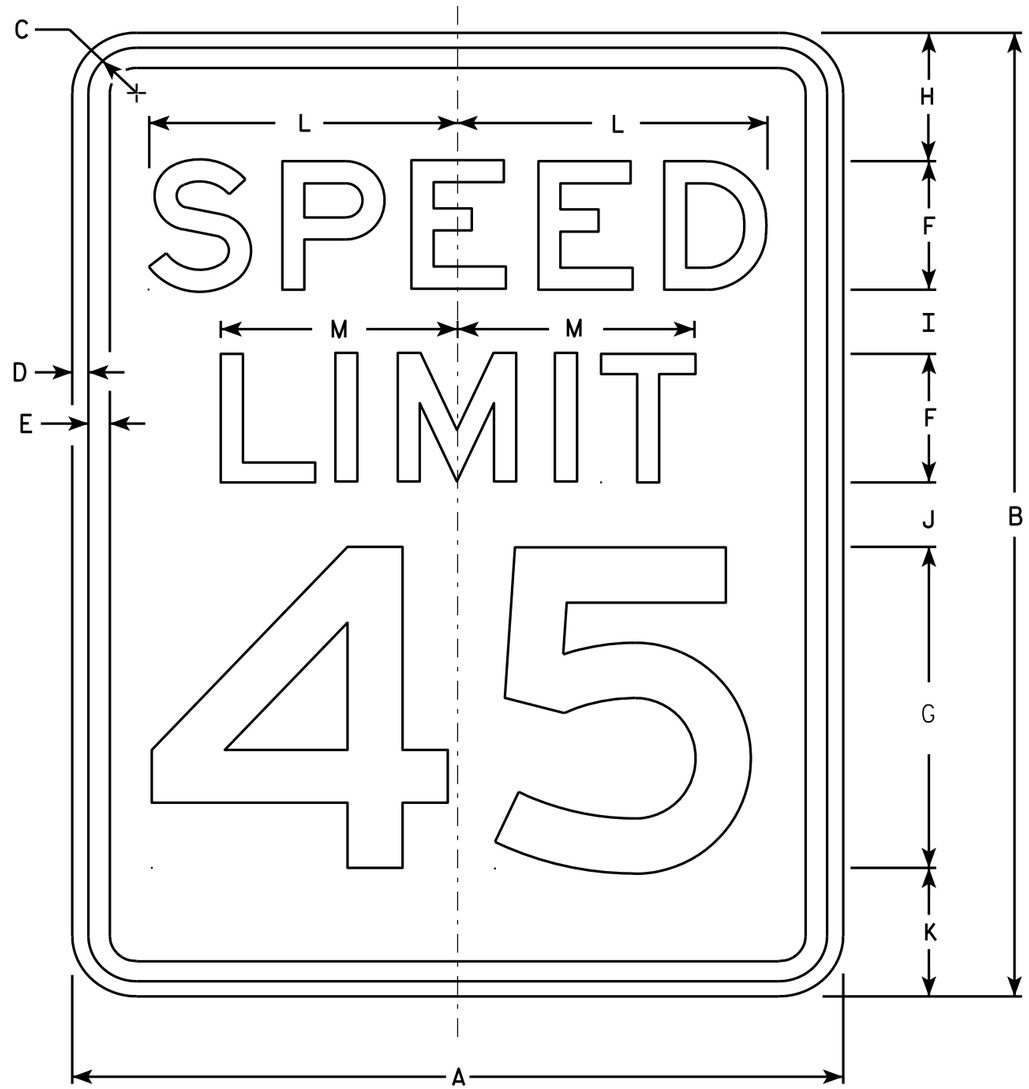
STANDARD SIGN
R1-1

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: 509	E



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

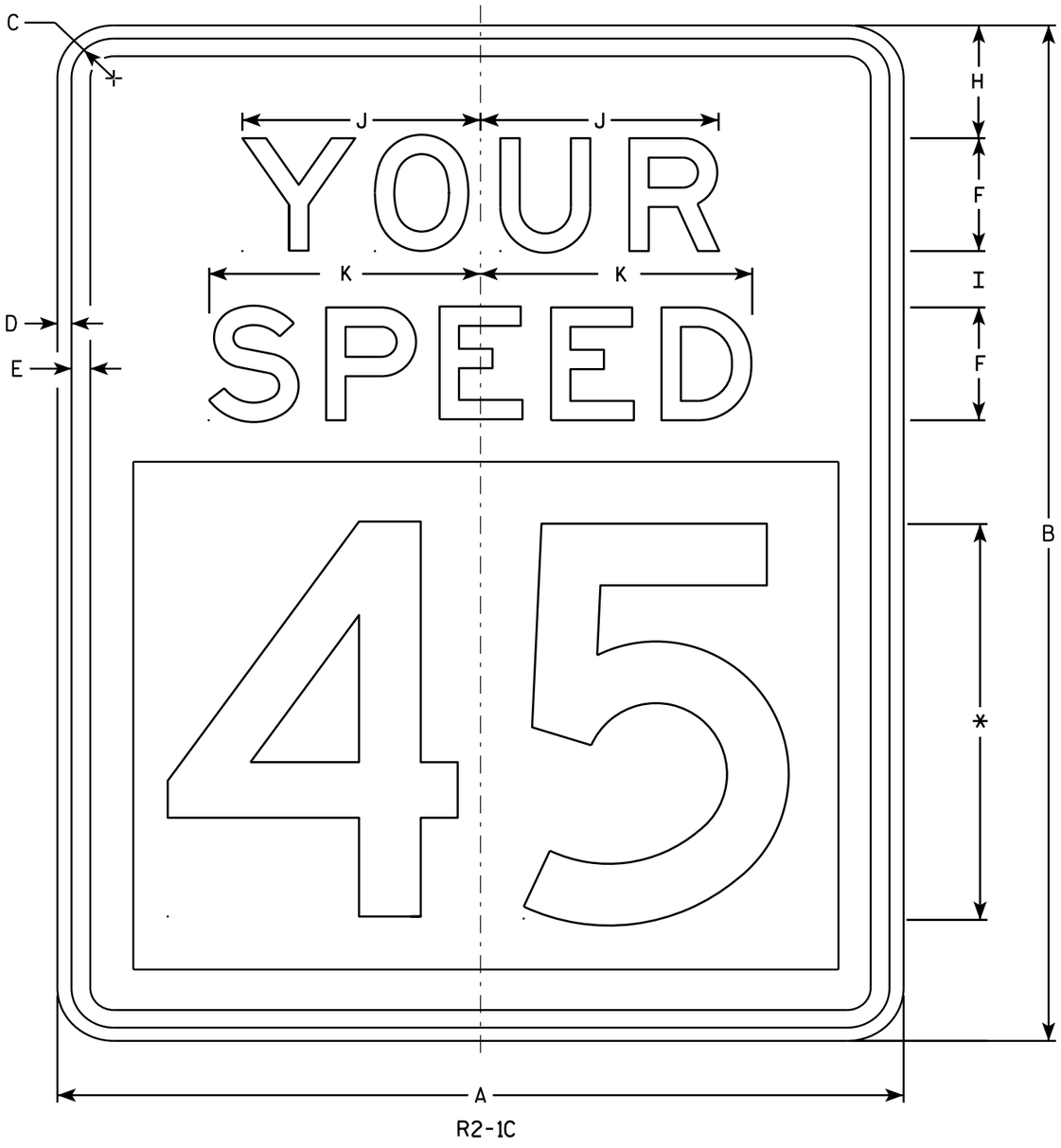
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 510 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R21.DGN PLOT DATE : 28-MAY-2010 08:32 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 4.717577:1.000000
WISDOT/CADDS SHEET 42



* SEE NOTE 4

R2-1C

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E, Lines 1 & 2
4. LED screen shall have a minimum of 12" numbers for posted speeds of less than 45 MPH and a minimum of 18" numbers should be used for posted speeds of 45 MPH or greater.

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	VARIES	VARIES	1 1/8	3/8	1/2	4		3	2 1/4	8 1/2	9 5/8																VARIES
2M	VARIES	VARIES	1 1/8	3/8	1/2	4		3	2 1/4	8 1/2	9 5/8																VARIES
3	VARIES	VARIES	1 3/8	1/2	5/8	6		6	5	13	15 1/2																VARIES
4	VARIES	VARIES	1 3/8	1/2	5/8	6		6	5	13	15 1/2																VARIES
5																											

STANDARD SIGN
R2-1C

WISCONSIN DEPT OF TRANSPORTATION

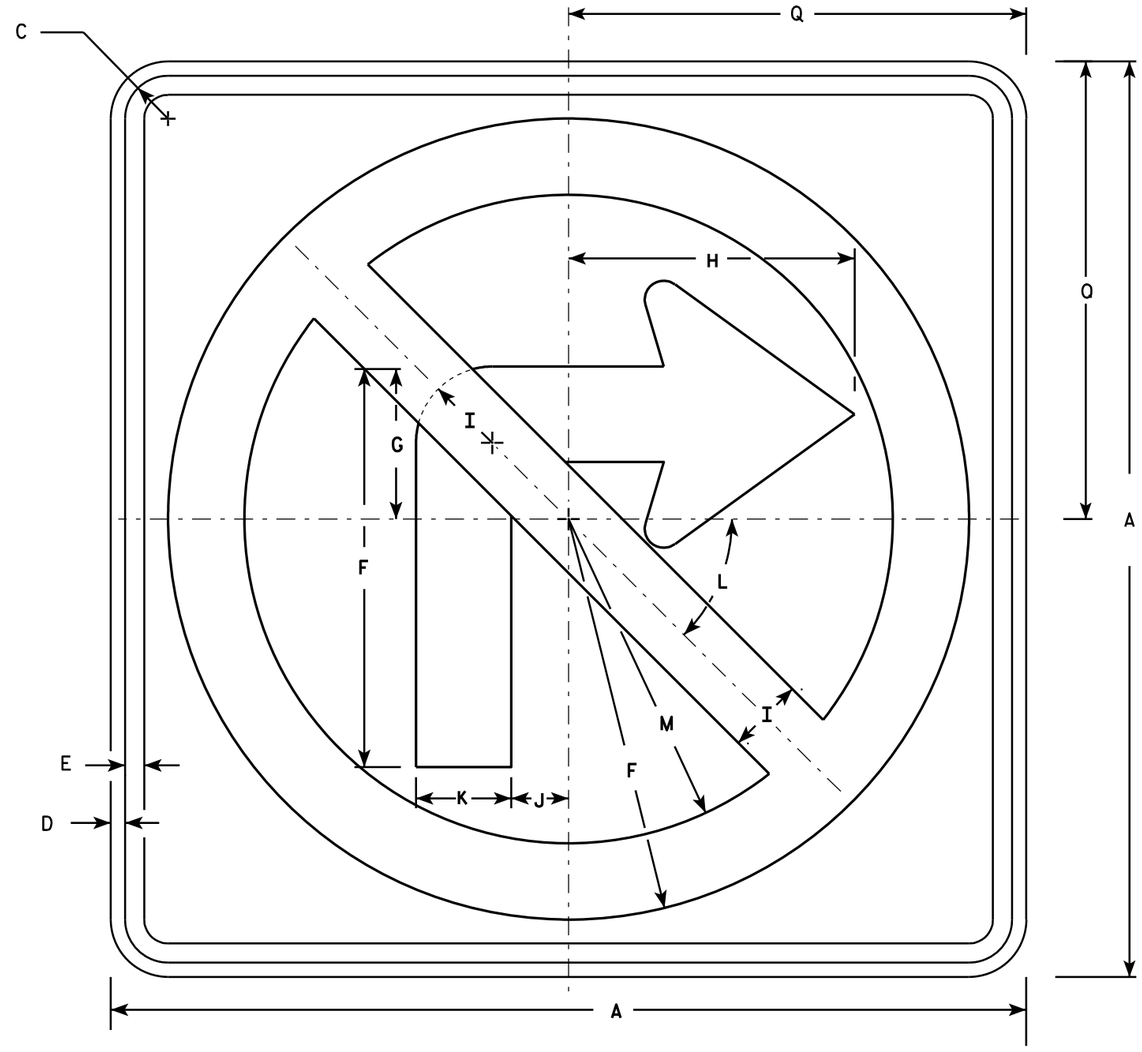
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/14 PLATE 12-1C.3

PROJECT NO: | HWY: | COUNTY: | | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R21C.DGN PLOT DATE : 13-FEB-2014 12:03 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.083511:1.000000

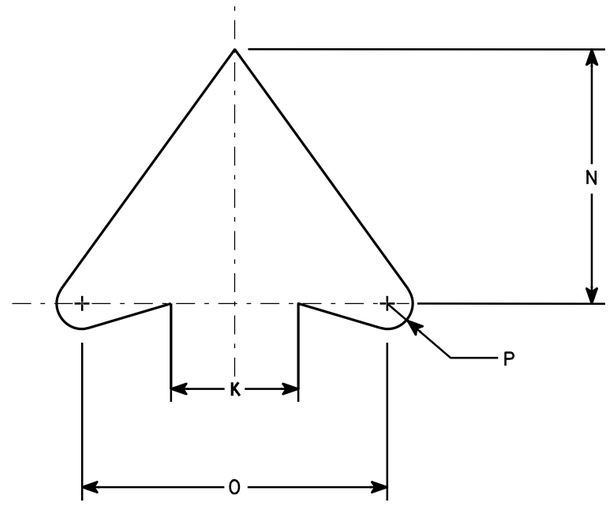
WISDOT/CADDS SHEET 42



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

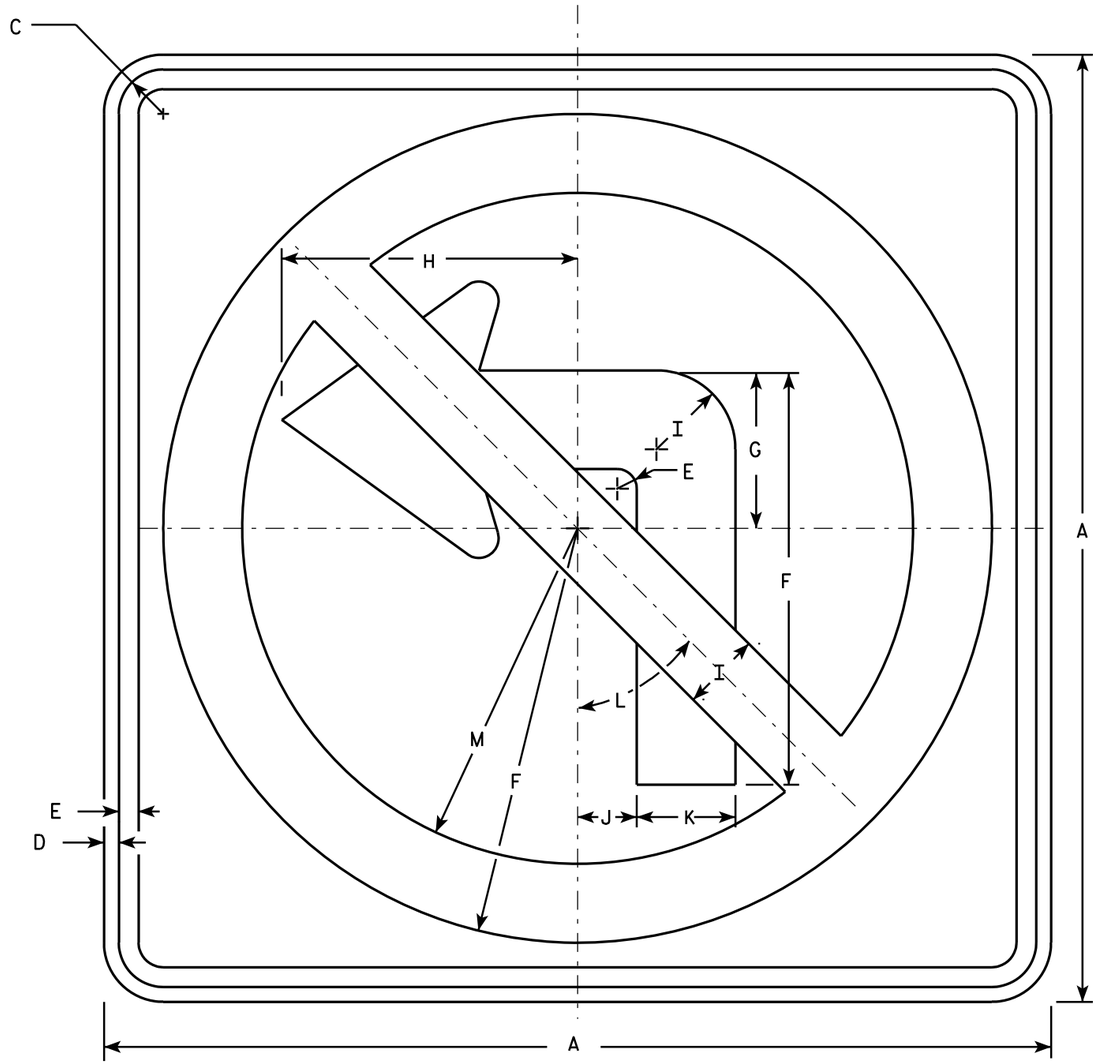
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

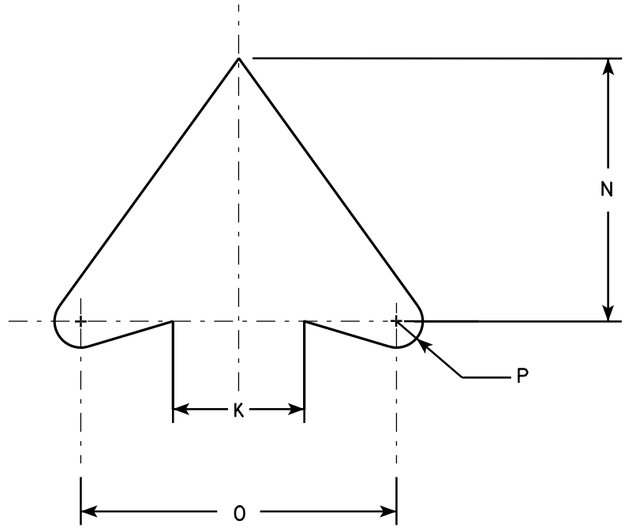
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 512	E



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

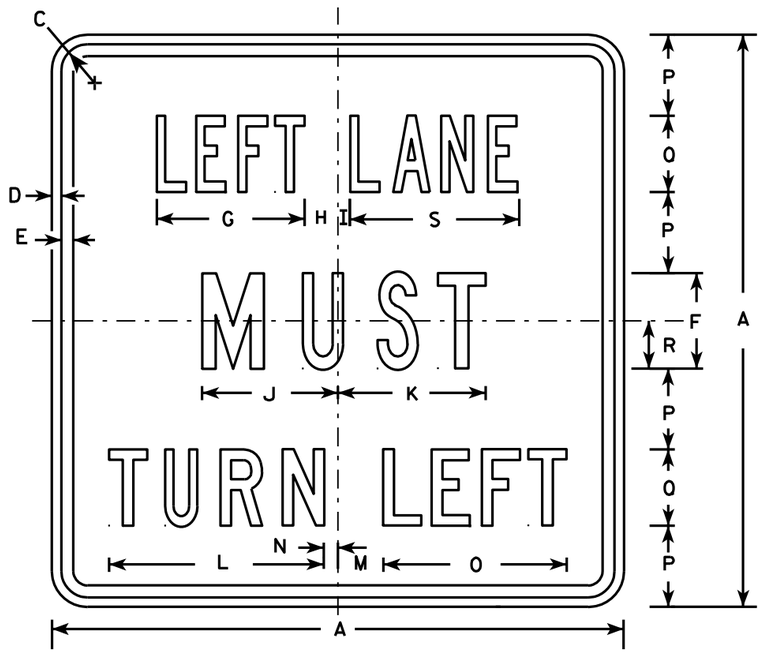
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

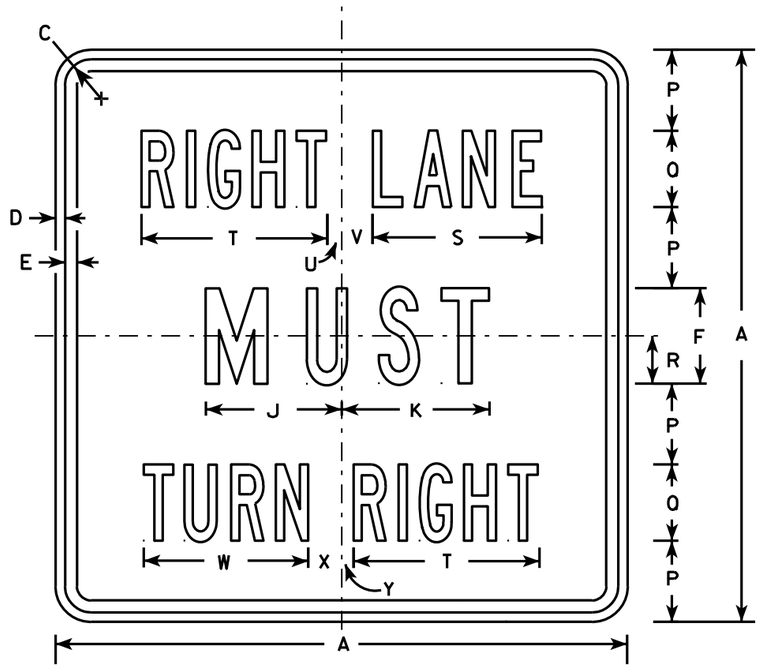
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 513	E



R3-7L



R3-7R

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 - Line 1 is Series B.
   Line 2 is Series C.
   Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.
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		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2S	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2M	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
3	36		1 5/8	5/8	3/4	6	9 5/8	2	1 1/8	8 3/4	9	13 1/2	3 7/8	1 1/2	12 1/2	5	5	3	10 5/8	12	7/8	2 1/4	10 5/8	2 1/8	1		9.00
4	48		2 1/4	3/4	1	8	13 1/2	2 3/8	1 1/2	11 1/2	11 7/8	17 3/4	3 5/8	2 1/2	16 3/8	6 1/2	7	4	14 3/8	16 7/8	5/8	3 1/4	15 1/8	2 3/4	1 1/8		16.00
5																											

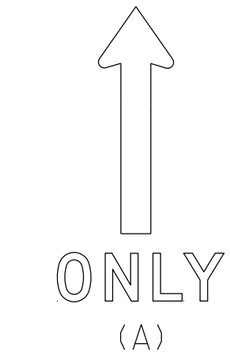
STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

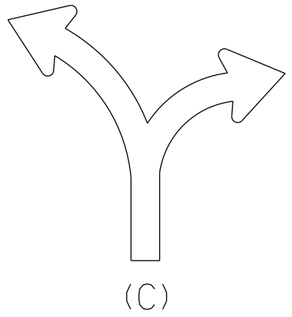
DATE 3/18/2011 PLATE NO. R3-7.3

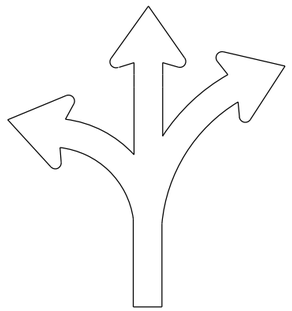
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 514 | E

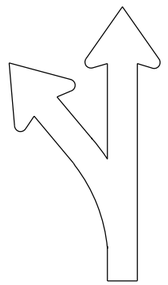


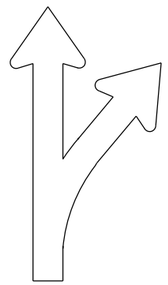
(A)

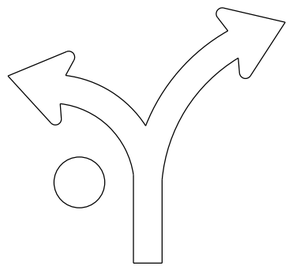
(B)

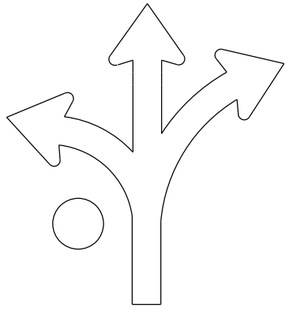

(C)

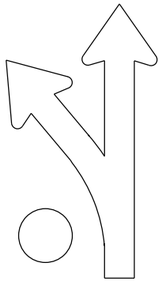

(D)

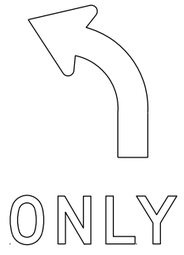

(E)


(F)

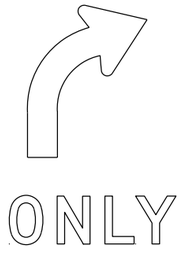

(G)


(H)

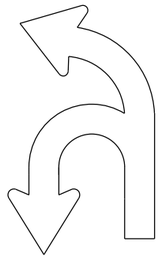

(I)



(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:

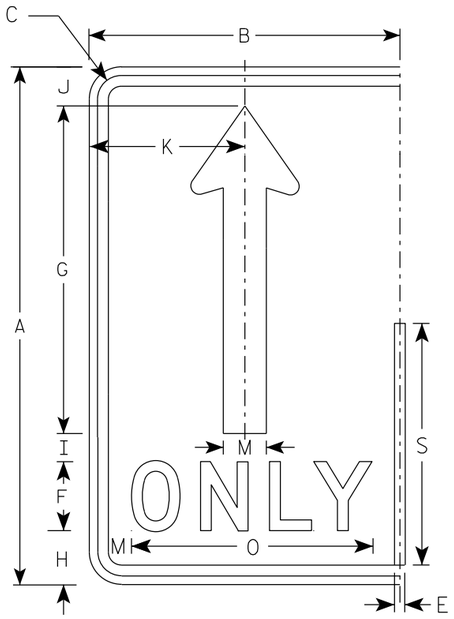
SHEET NO: 515 E

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 21-MAY 2019 4:37 PLOT BY : mscj9h PLOT NAME :

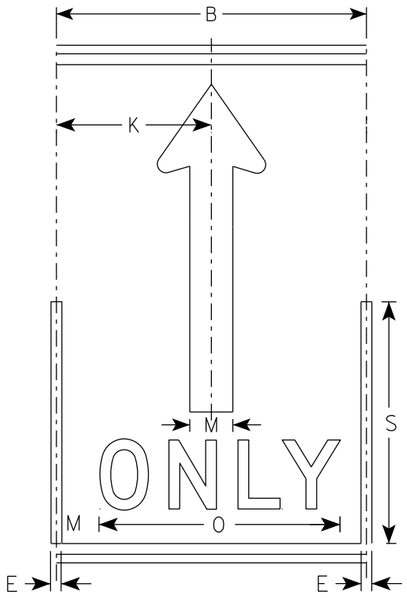
WISDOT/CADDS SHEET 42

NOTES

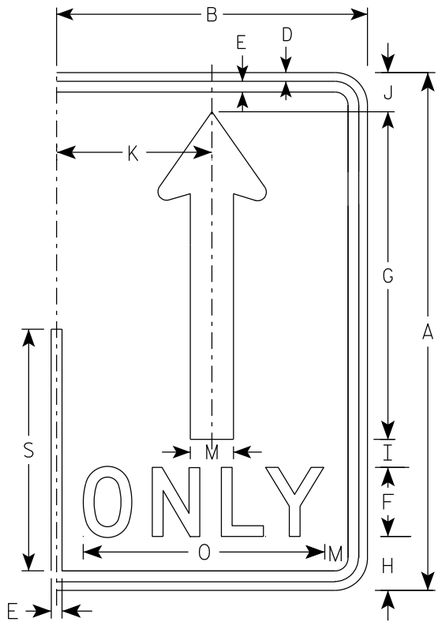
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



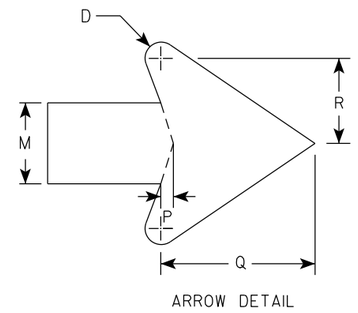
(A)



(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

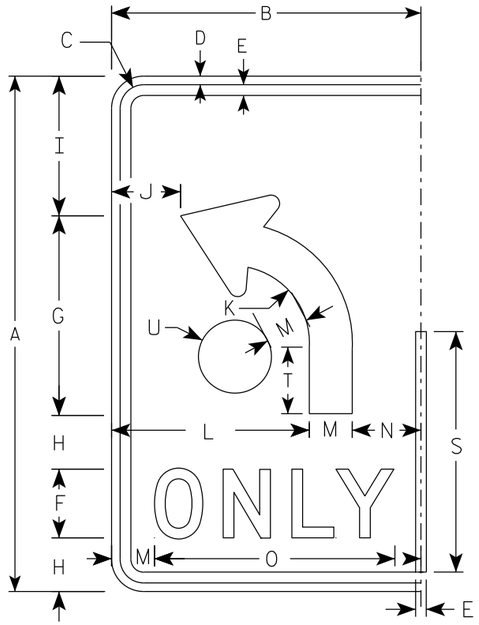
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

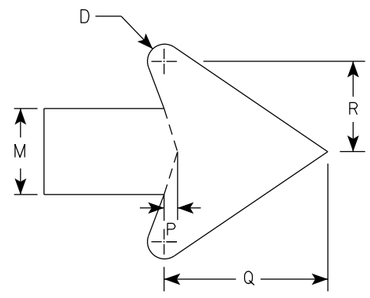
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 516 | E

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

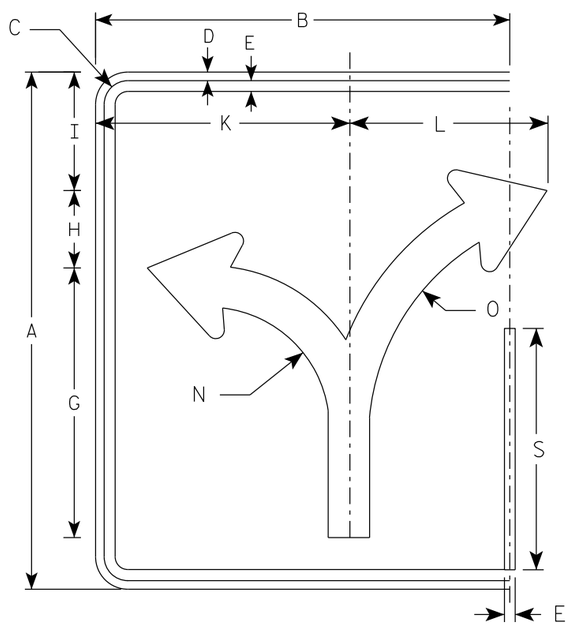
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

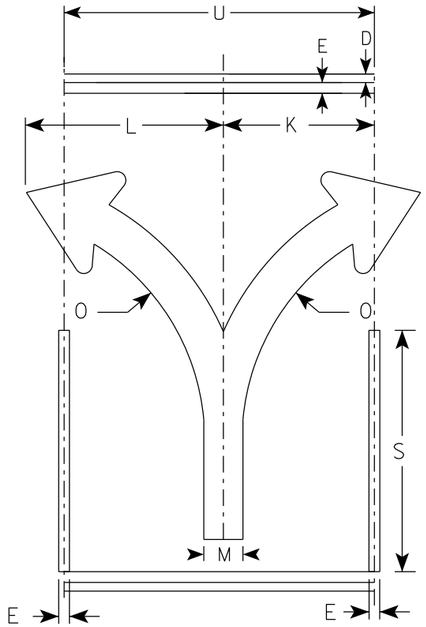
SHEET NO: 517 E

NOTES

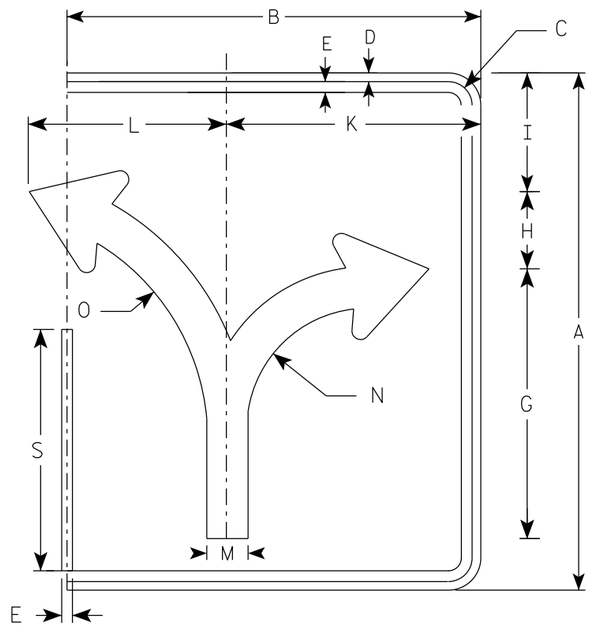
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



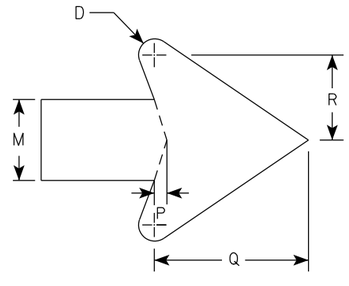
(C)



(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

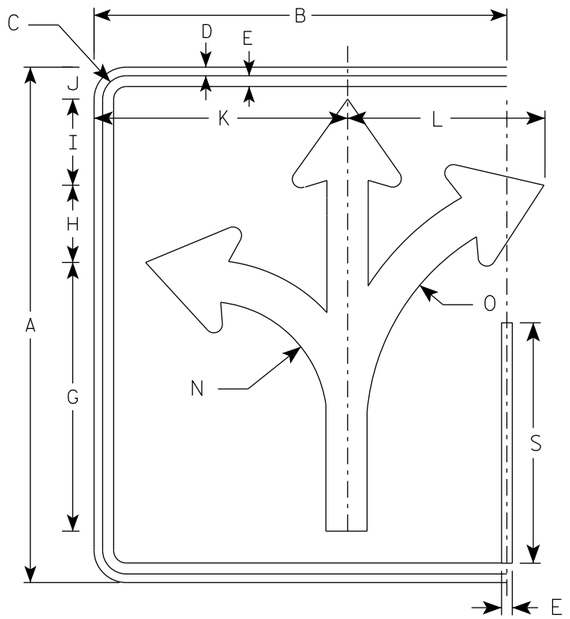
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

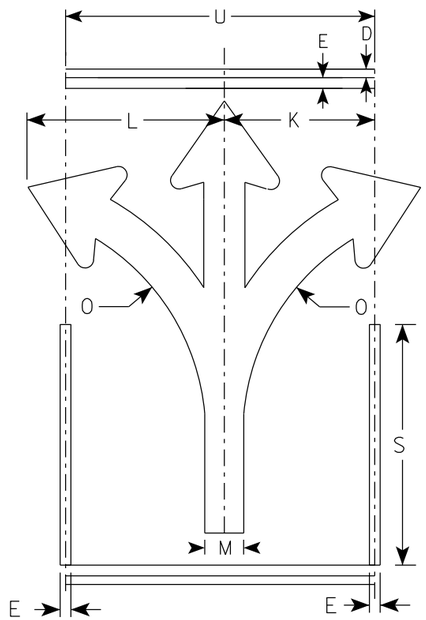
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 518 | E

NOTES

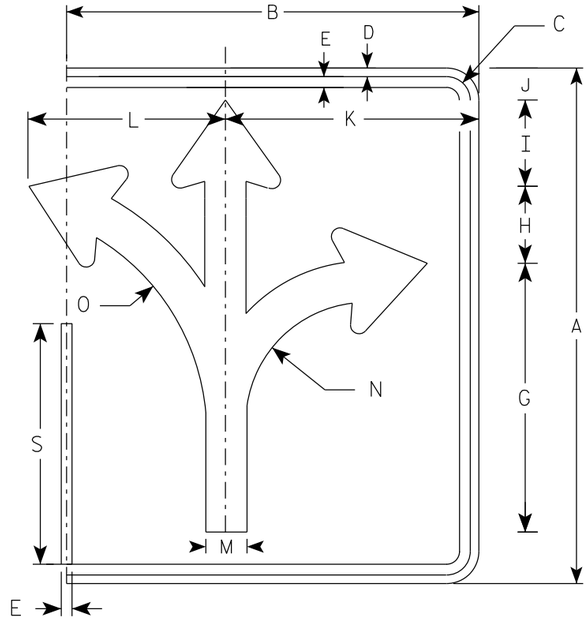
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



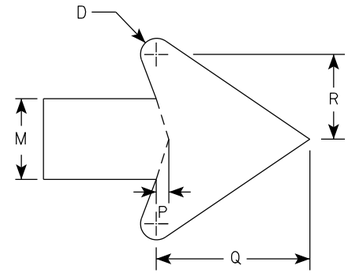
(D)



(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

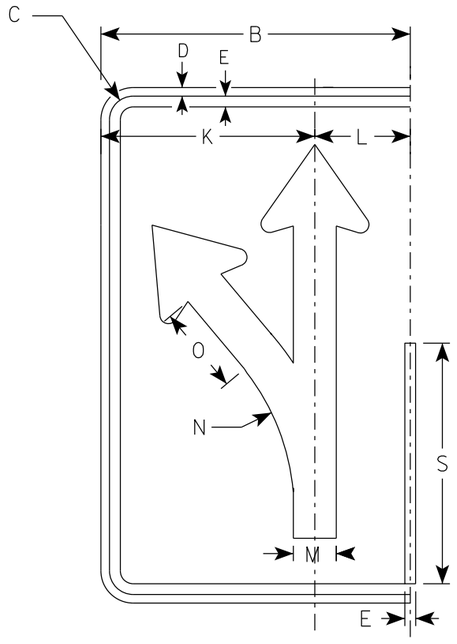
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

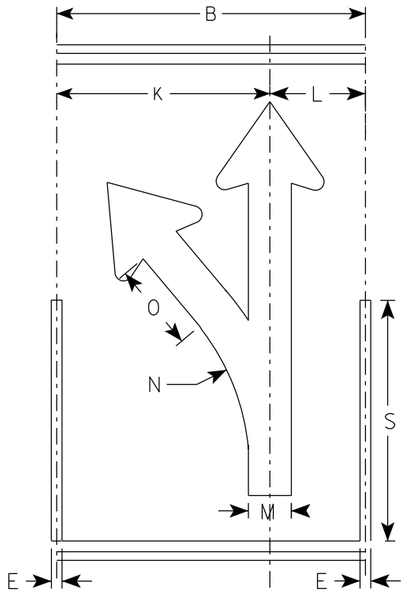
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 519 | E

NOTES

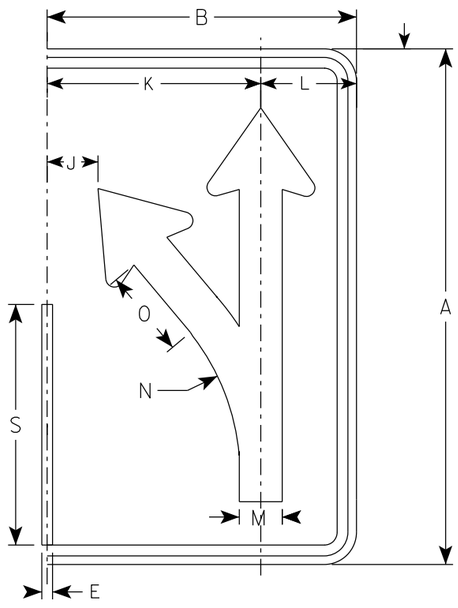
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



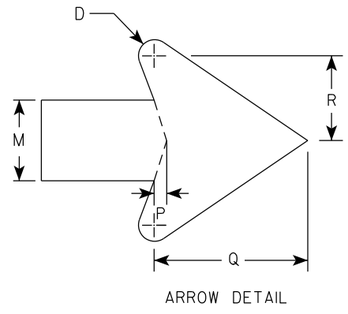
(E)



(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

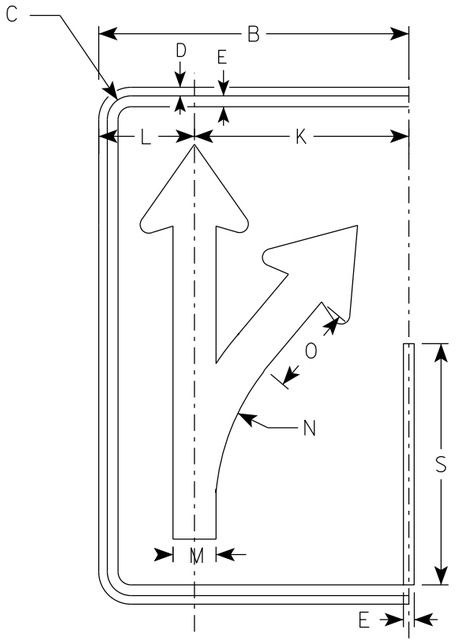
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

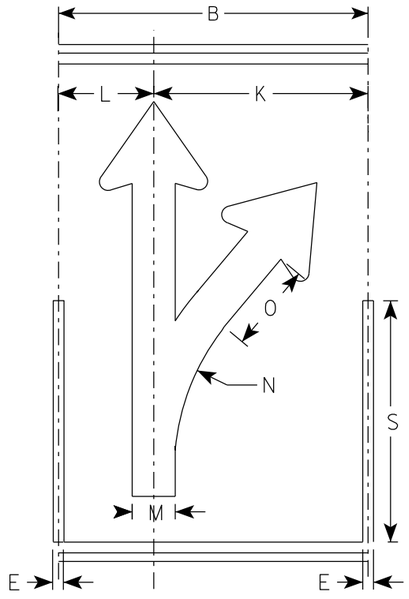
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 520 | E

NOTES

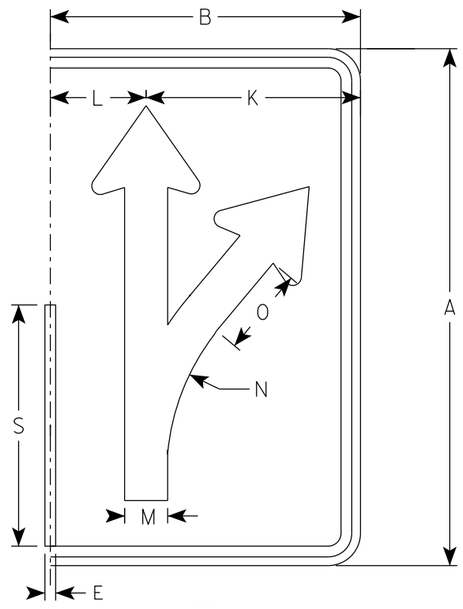
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



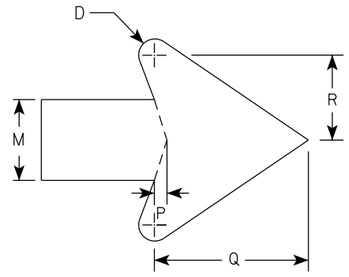
(F)



(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

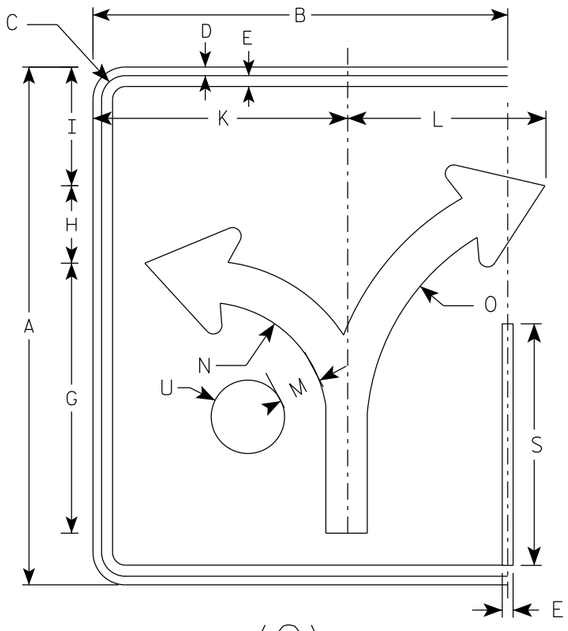
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

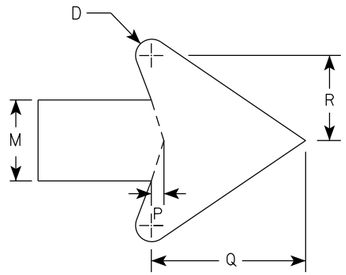
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 521 | E

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

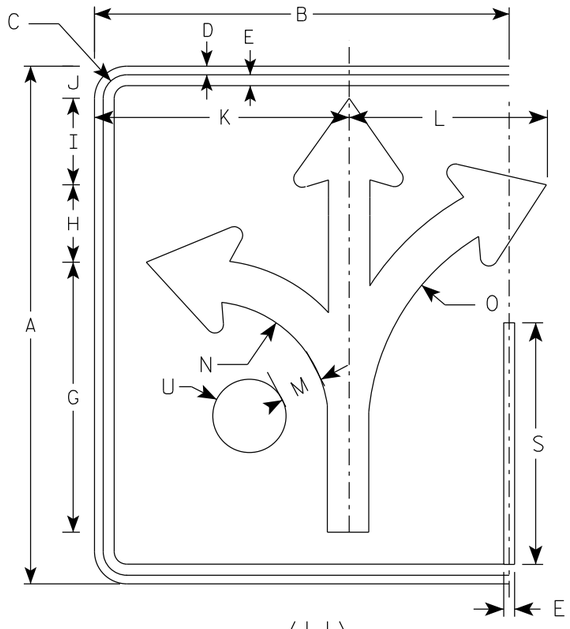
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

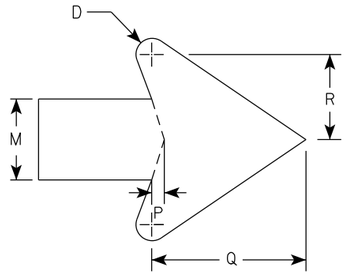
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 522 | E

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

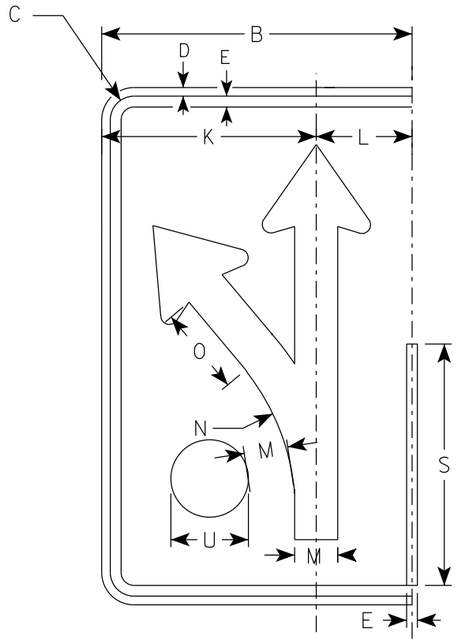
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

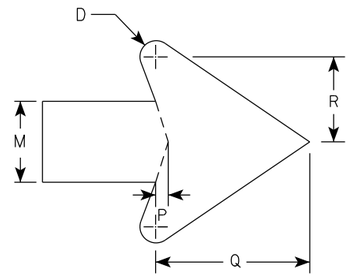
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 523	E

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

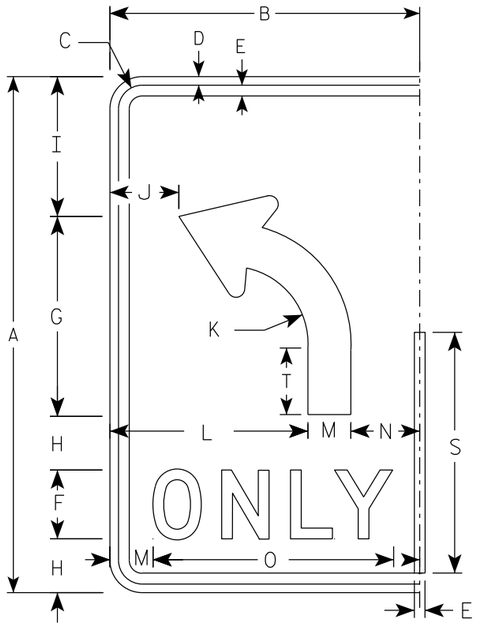
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

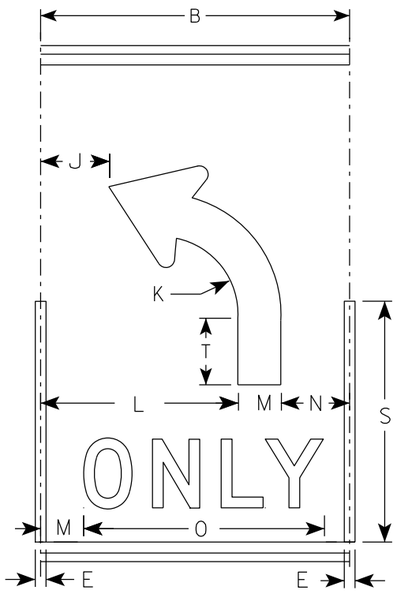
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 524 | E

NOTES

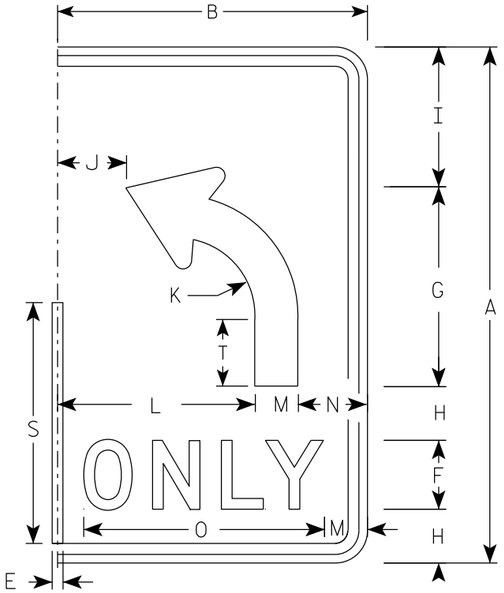
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



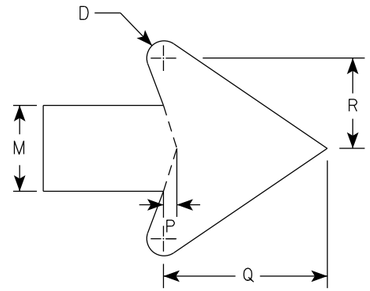
(L)



(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

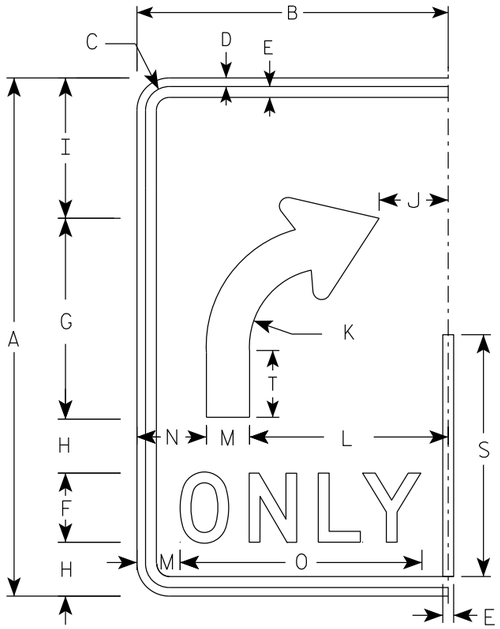
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

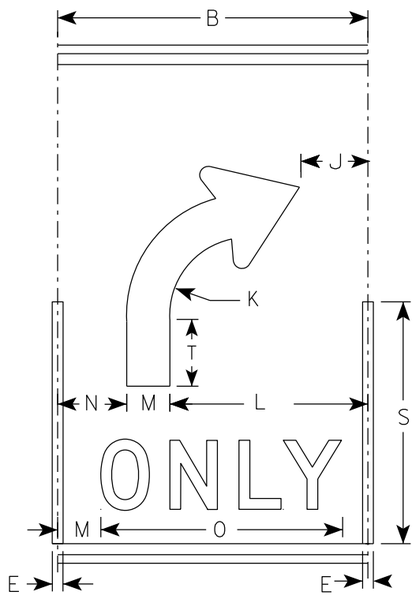
SHEET NO: 525 E

NOTES

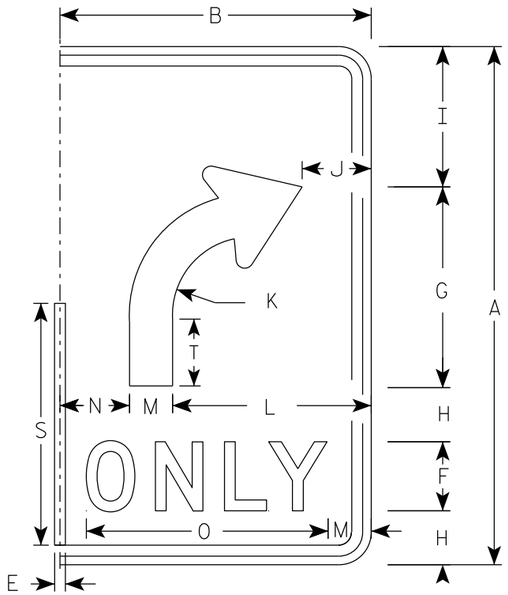
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



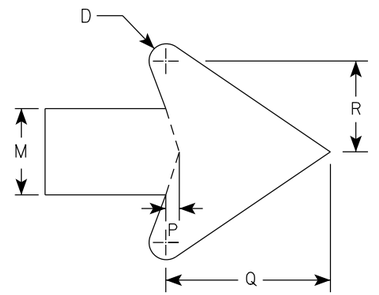
(R)



(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

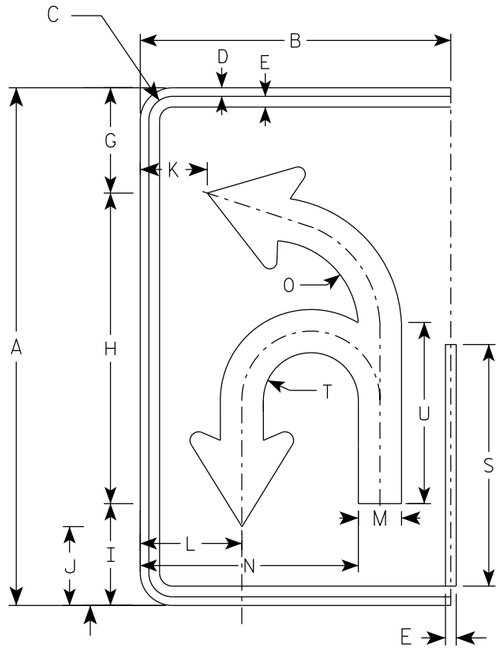
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

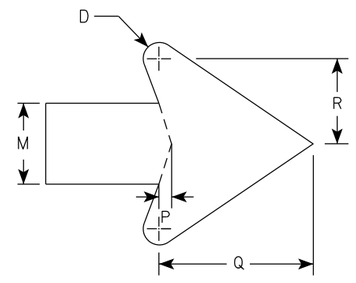
SHEET NO: 526 E

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

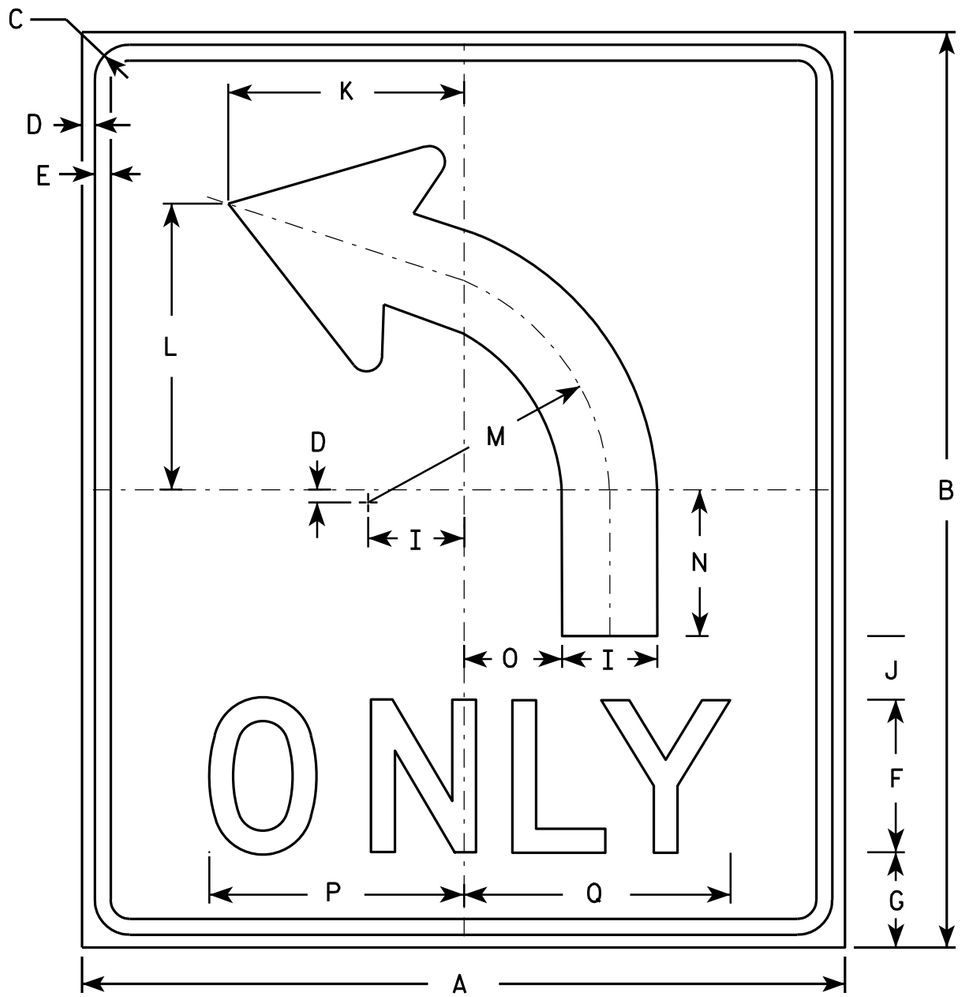
STANDARD SIGN
R3-8 (U) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

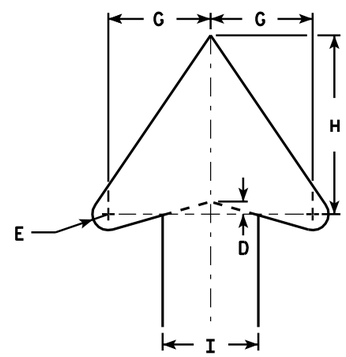
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 527 | E



R3-50L

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. R3-50R is the same as R3-50L except curved portion of arrow points right.



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	36	1 3/8	1/2	5/8	6	4	7	3 3/4	2 1/2	9 1/4	11 1/4	9 1/2	5 3/4	3 7/8	10	10 1/2										7.5
2M	30	36	1 3/8	1/2	5/8	6	4	7	3 3/4	2 1/2	9 1/4	11 1/4	9 1/2	5 3/4	3 7/8	10	10 1/2										7.5
3																											
4																											
5																											

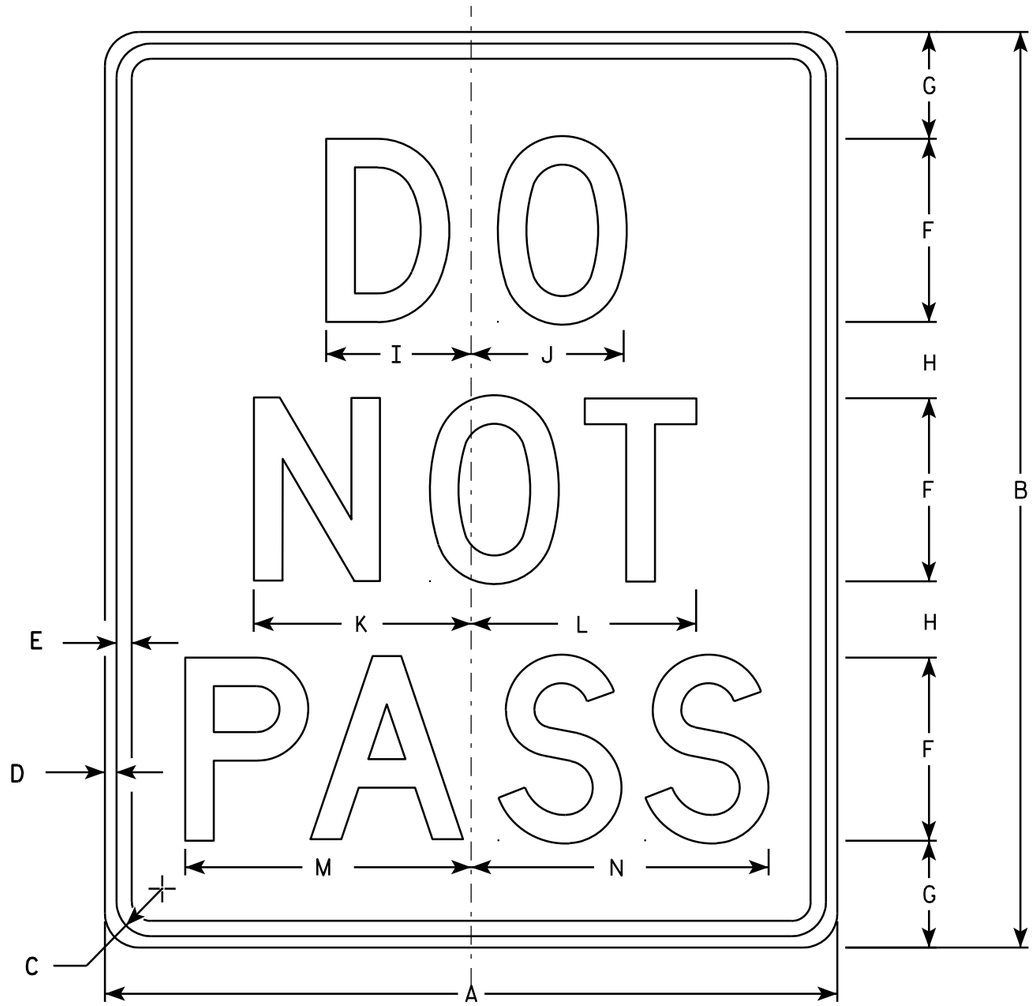
STANDARD SIGN
R3-50

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-50.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 528 | 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

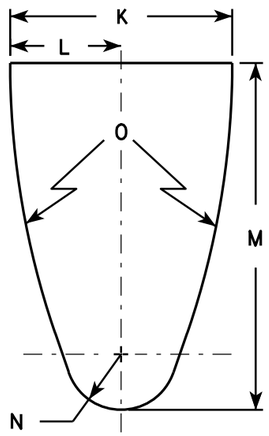
STANDARD SIGN
R4-1

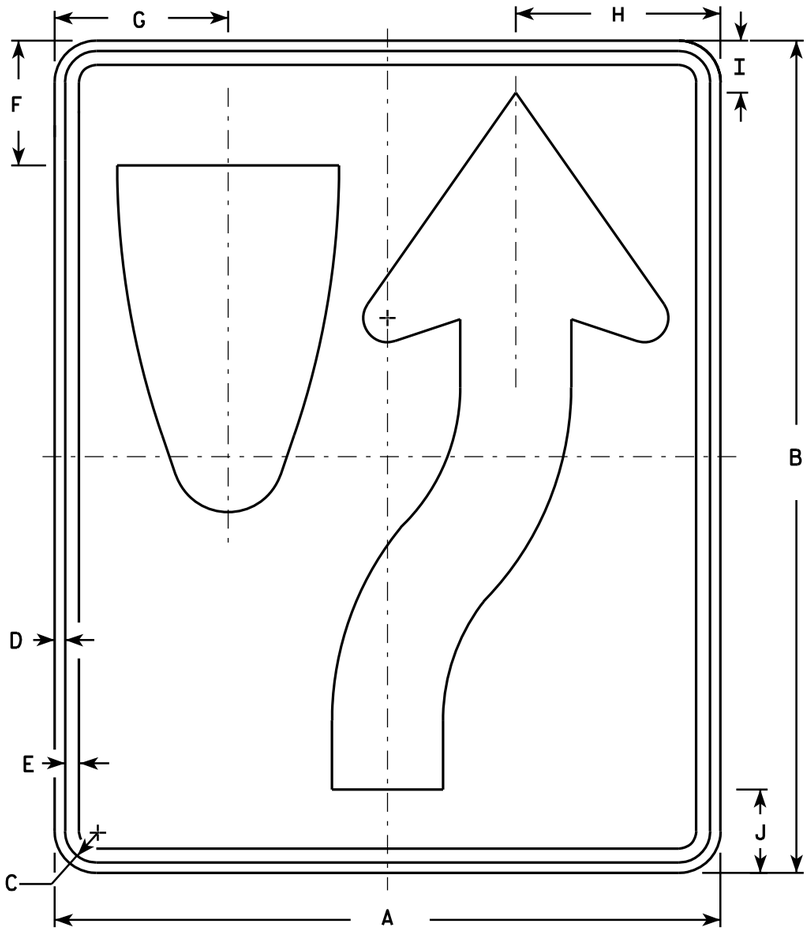
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-1.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 529 | E

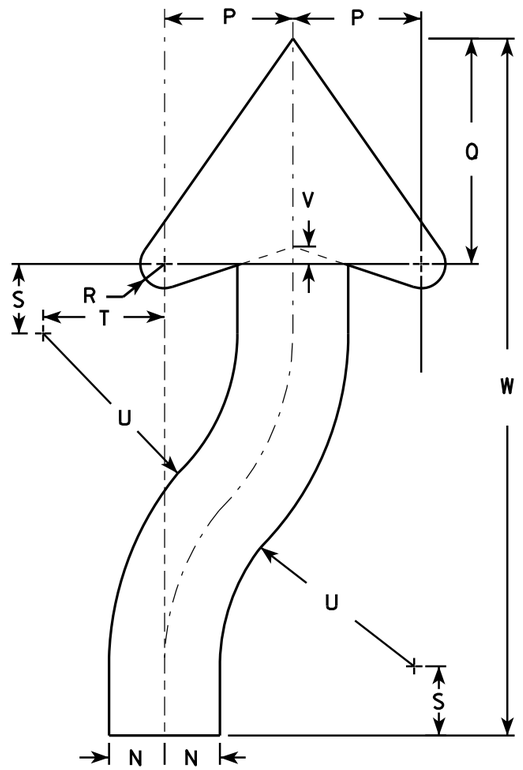




R4-7

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

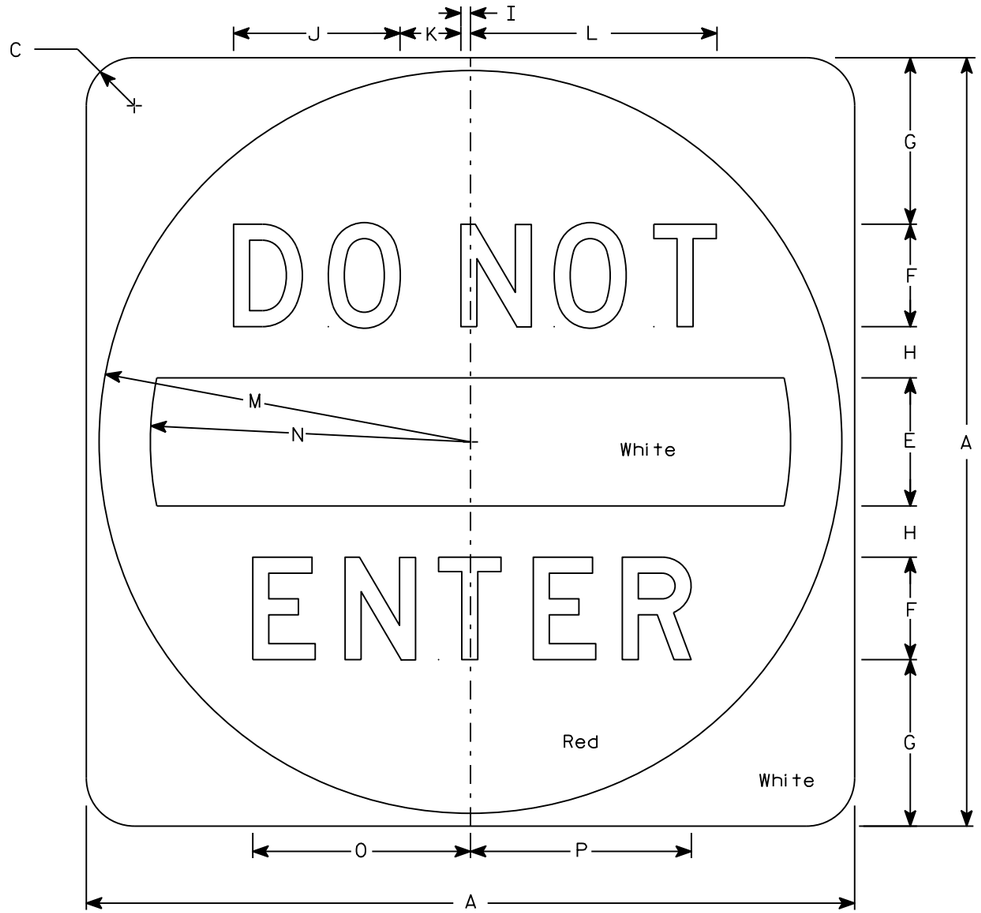
STANDARD SIGN
R4-7 & R4-8

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: 530	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

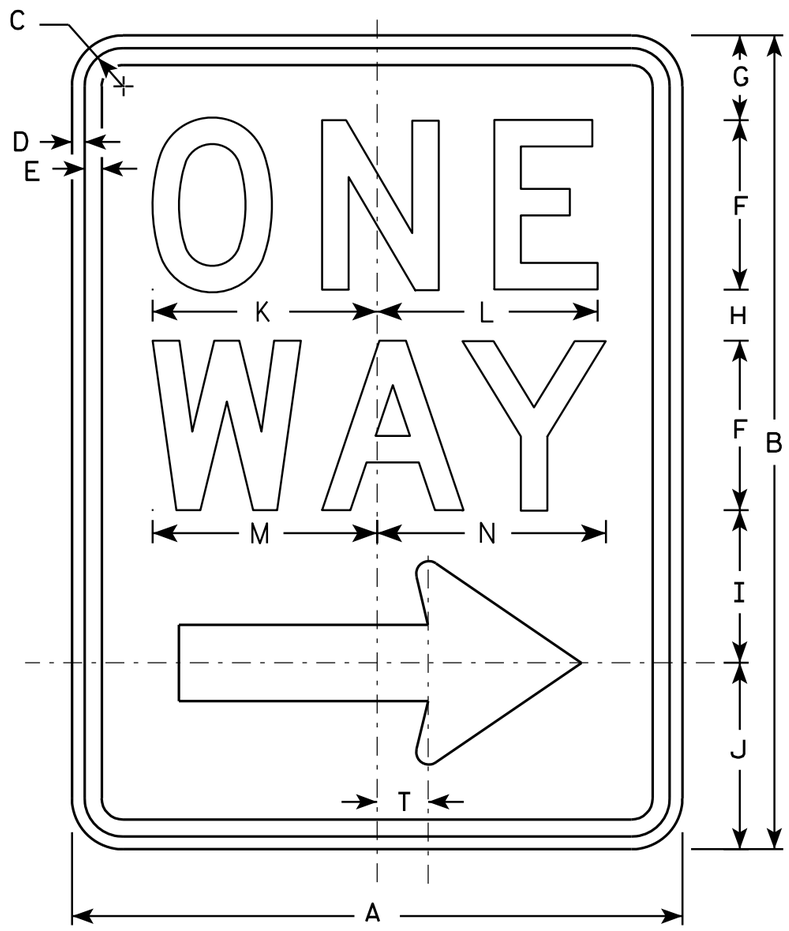
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

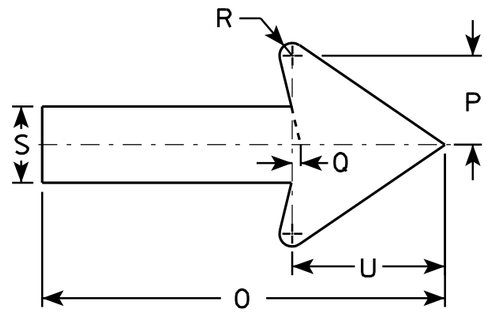
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 531 | E



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																										

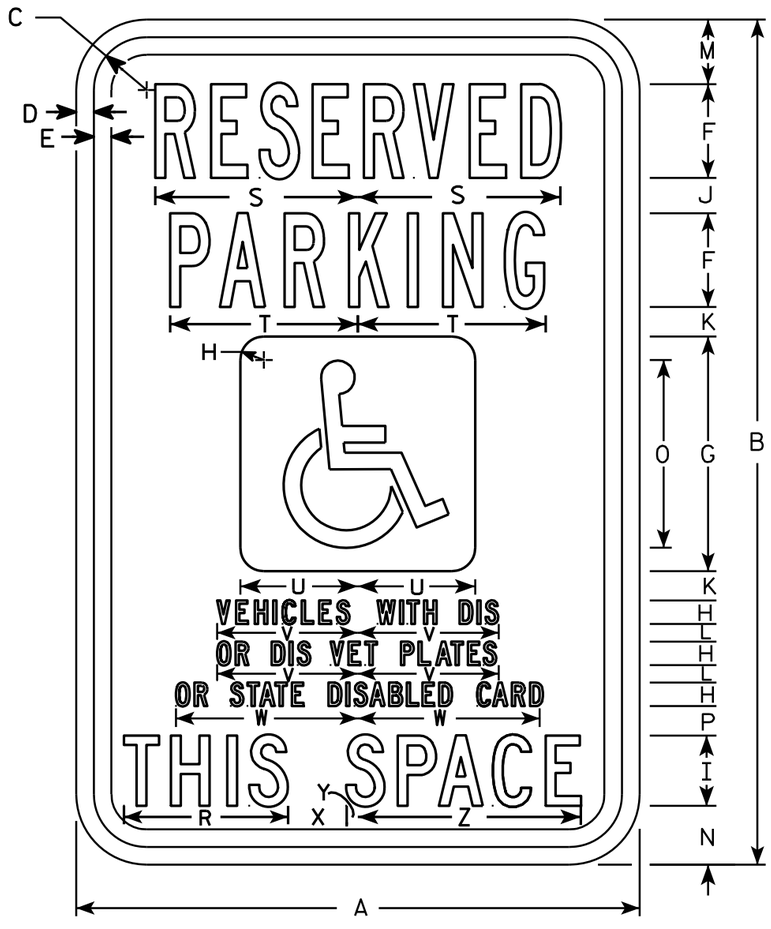
STANDARD SIGN
R6-2 R&L

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: 532 | E



R7-8A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Sign is white Type H Reflective; paraplegic background is blue.
   Message - Legend and border are green; paraplegic symbol is white
3. Message Series - Lines 1 & 2 are Series B
   Lines 3, 4, 5 & 6 are 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	12	18	1 1/8	3/8	3/8	2	5	1/2	1 1/2	3/4	5/8	3/8	1 3/8	1 1/4	4	5/8		3 1/2	4 3/8	4	2 1/2	3	3 7/8	1 1/4	1/4	4 3/4	1.5
2M	18	24	1 1/8	3/8	1/2	3	6	3/4	2	7/8	5/8	1/2	1 7/8	2	5	3/4		4 5/8	6 1/2	5 3/8	3	4 1/2	5 7/8	1 1/2	1/4	6 3/8	3.0
3	18	24	1 1/8	3/8	1/2	3	6	3/4	2	7/8	5/8	1/2	1 7/8	2	5	3/4		4 5/8	6 1/2	5 3/8	3	4 1/2	5 7/8	1 1/2	1/4	6 3/8	3.0
4																											
5																											

STANDARD SIGN
R7-8A

WISCONSIN DEPT OF TRANSPORTATION

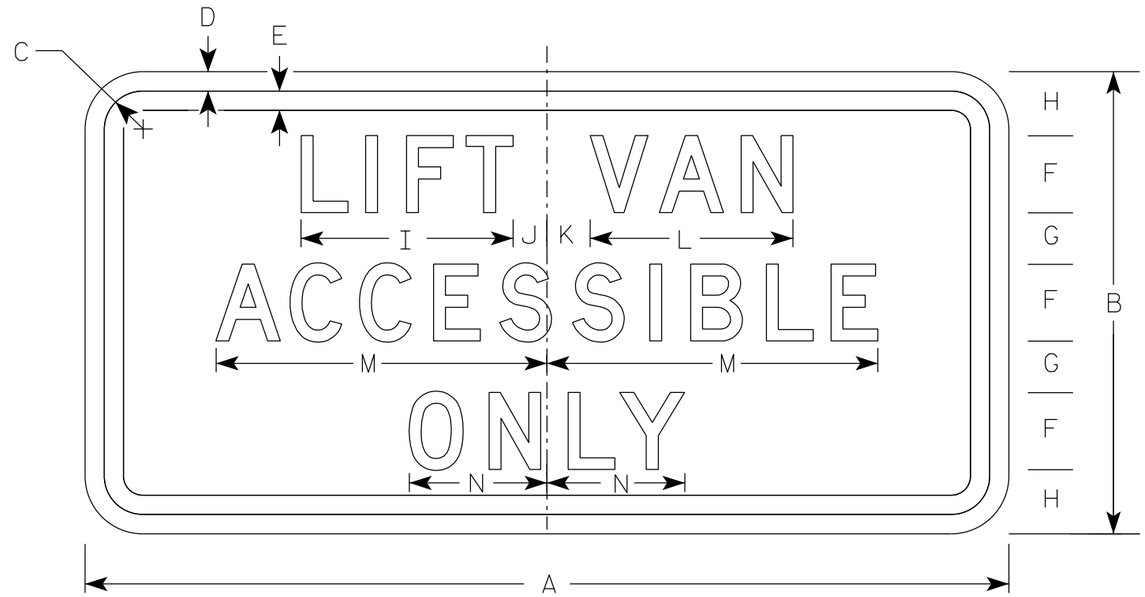
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/25/2011 PLATE NO. R7-8A.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 533 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Green
3. Message Series - D



R7-8V

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	12	6	1 1/8	3/8	3/8	1	1/2	1	2 3/4	1/2	1/2	2 5/8	4 1/4	1 3/4													0.50
2M	18	9	1 1/8	3/8	3/8	1 1/2	1	1 1/4	4 1/8	5/8	7/8	4	6 1/2	2 5/8													1.125
3	18	9	1 1/8	3/8	3/8	1 1/2	1	1 1/4	4 1/8	5/8	7/8	4	6 1/2	2 5/8													1.125
4																											
5																											

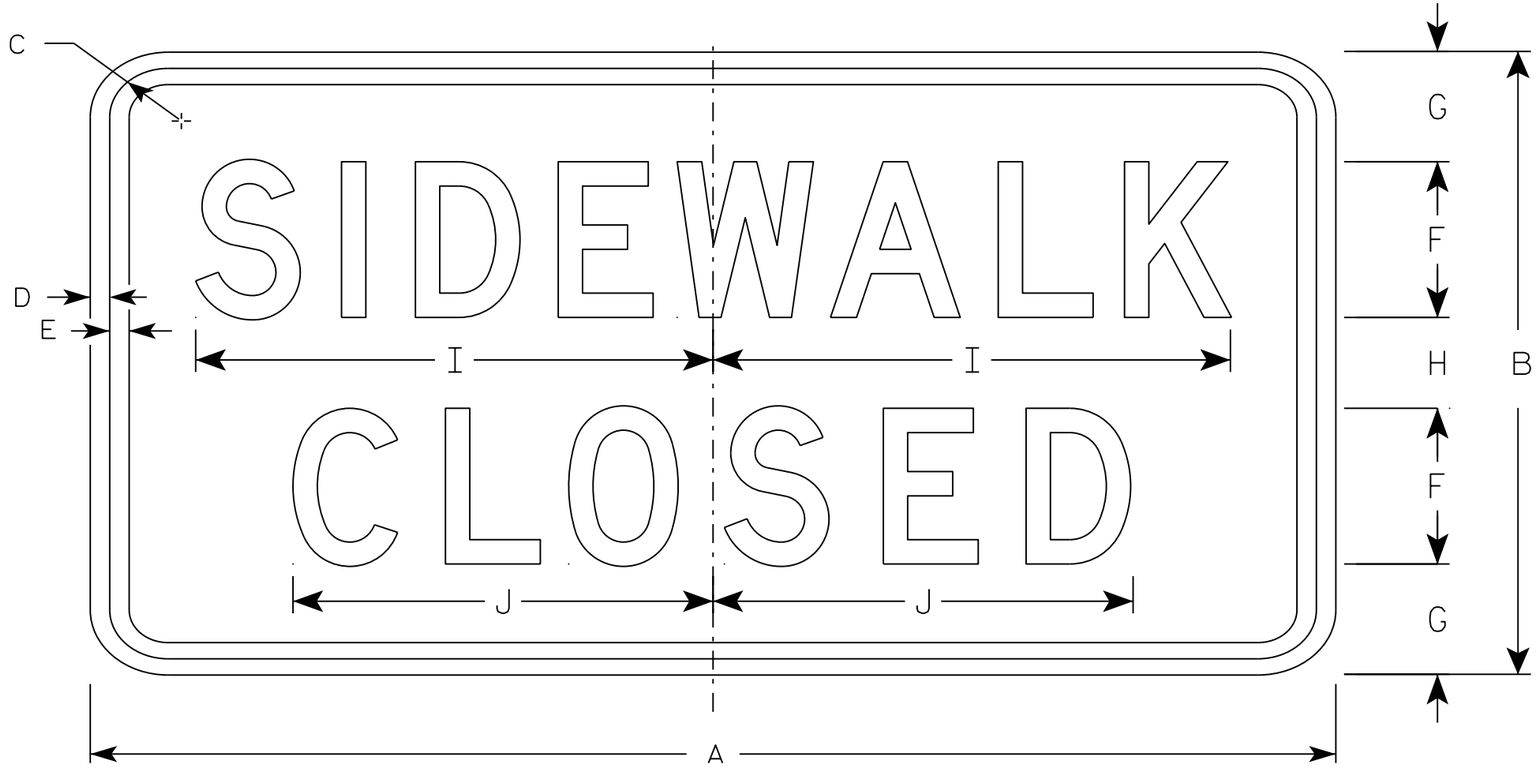
STANDARD SIGN
R7-8V

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/26/2022 PLATE NO. R7-8V.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 534 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

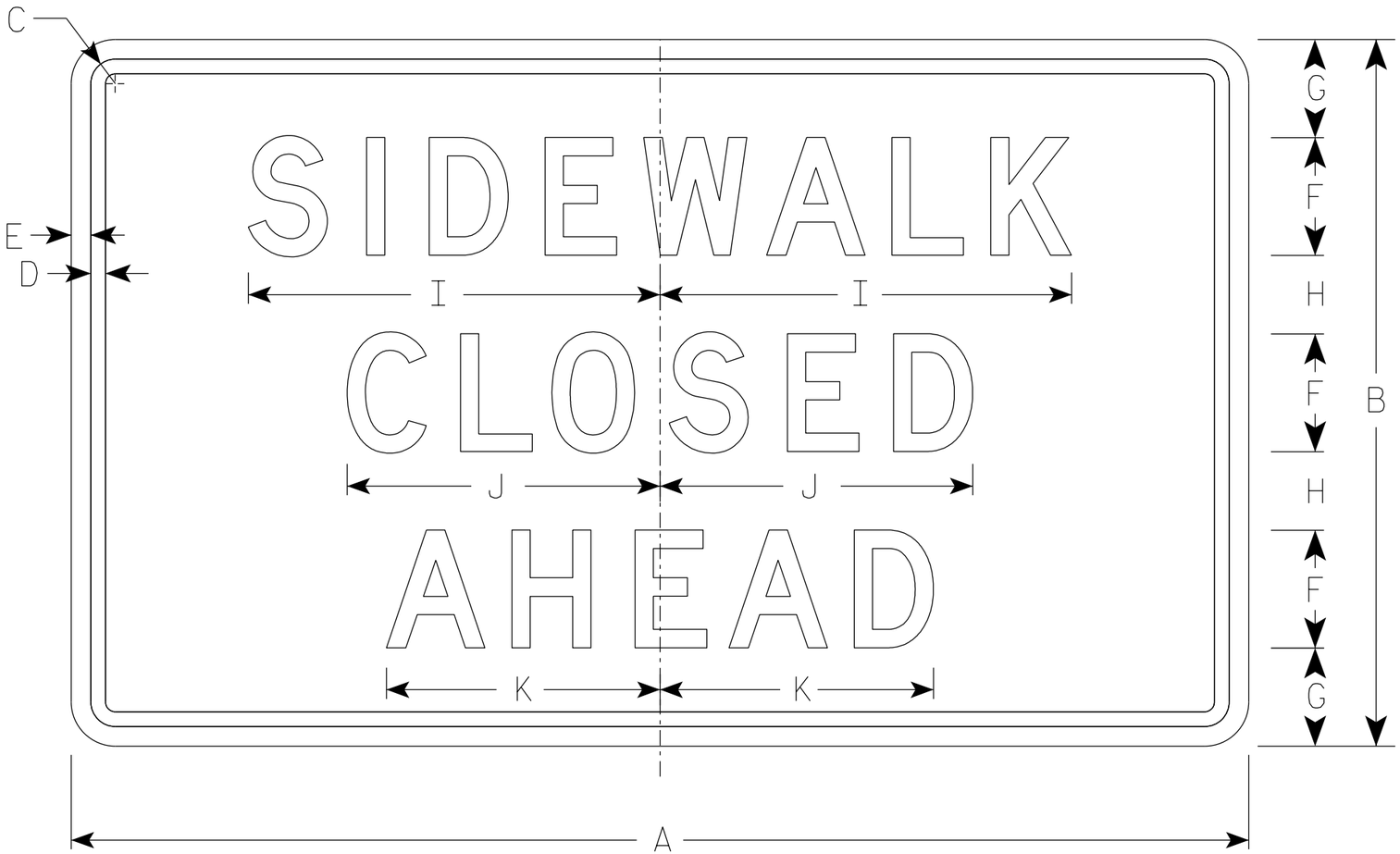
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/11/16 PLATE 535 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



R9-9A

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.

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 1/8	3/8	1/2	3	2 1/2	2	10 1/2	8	7																3.75
2M	30	18	1 1/8	3/8	1/2	3	2 1/2	2	10 1/2	8	7																3.75
3																											
4																											
5																											

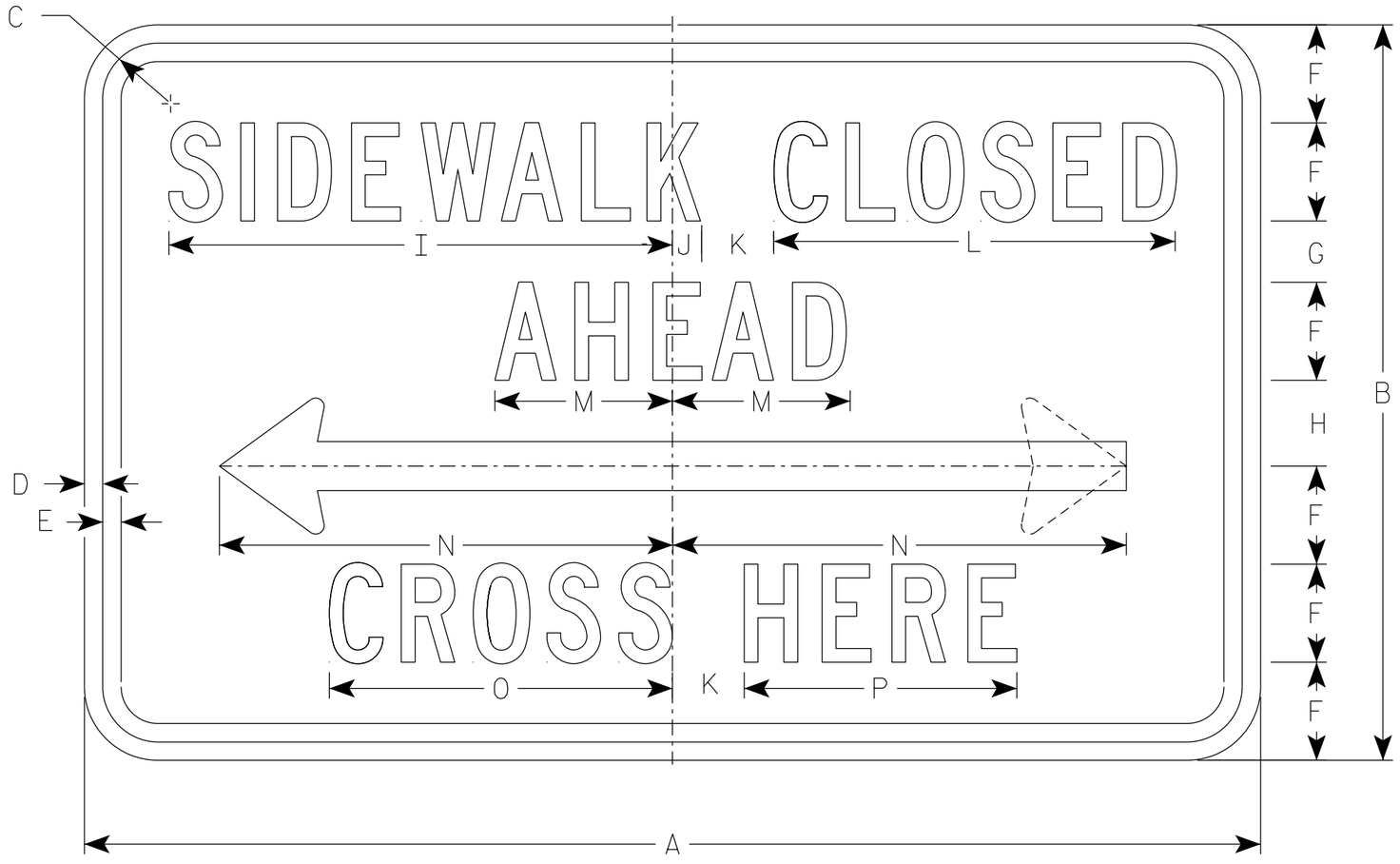
STANDARD SIGN
R9-9A

WISCONSIN DEPT OF TRANSPORTATION

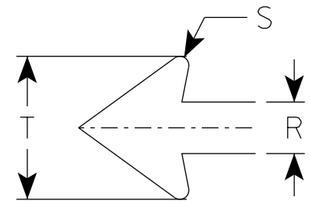
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/31/2020 PLATE NO. R9-9A.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 536 | E



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																											

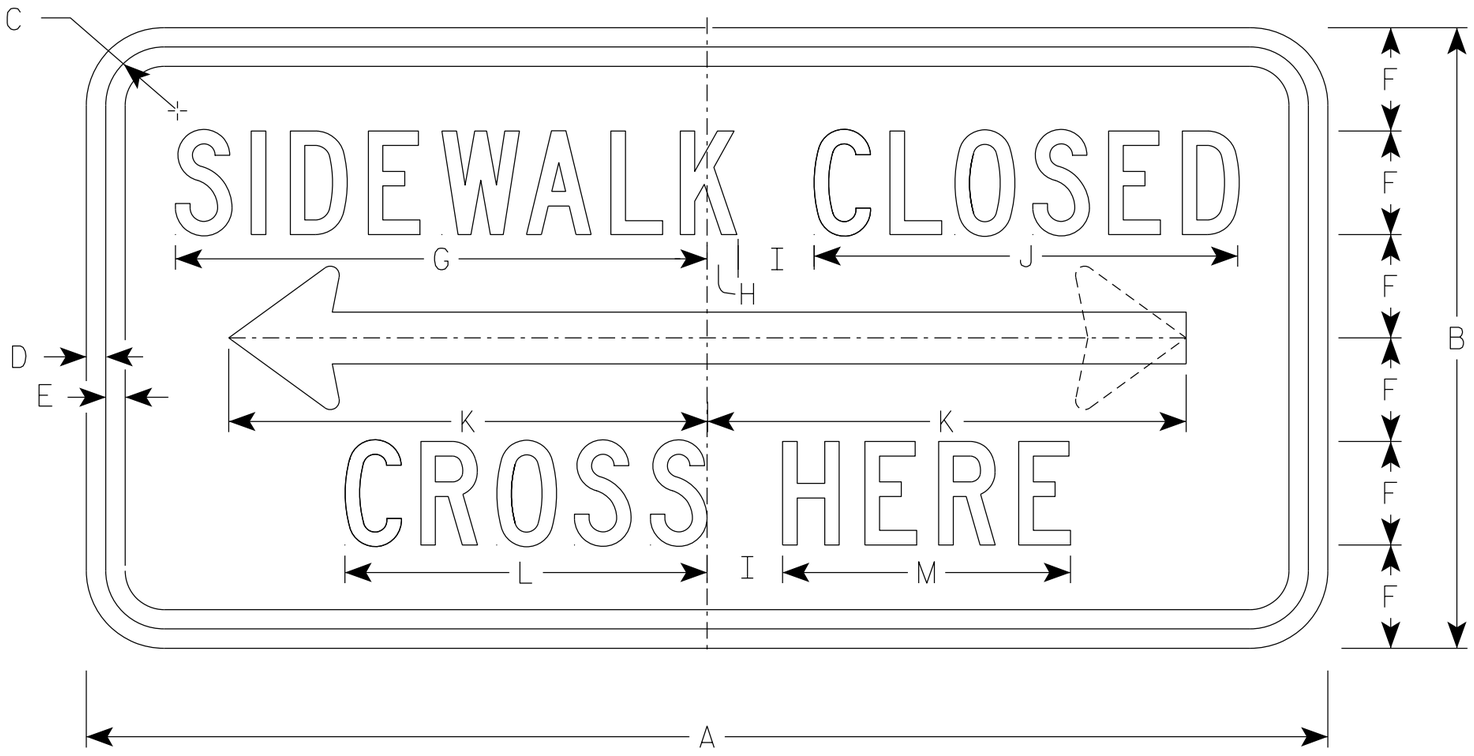
STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/30/2021 PLATE NO. R9-11.4

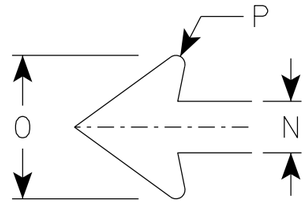
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 537 | E



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																											

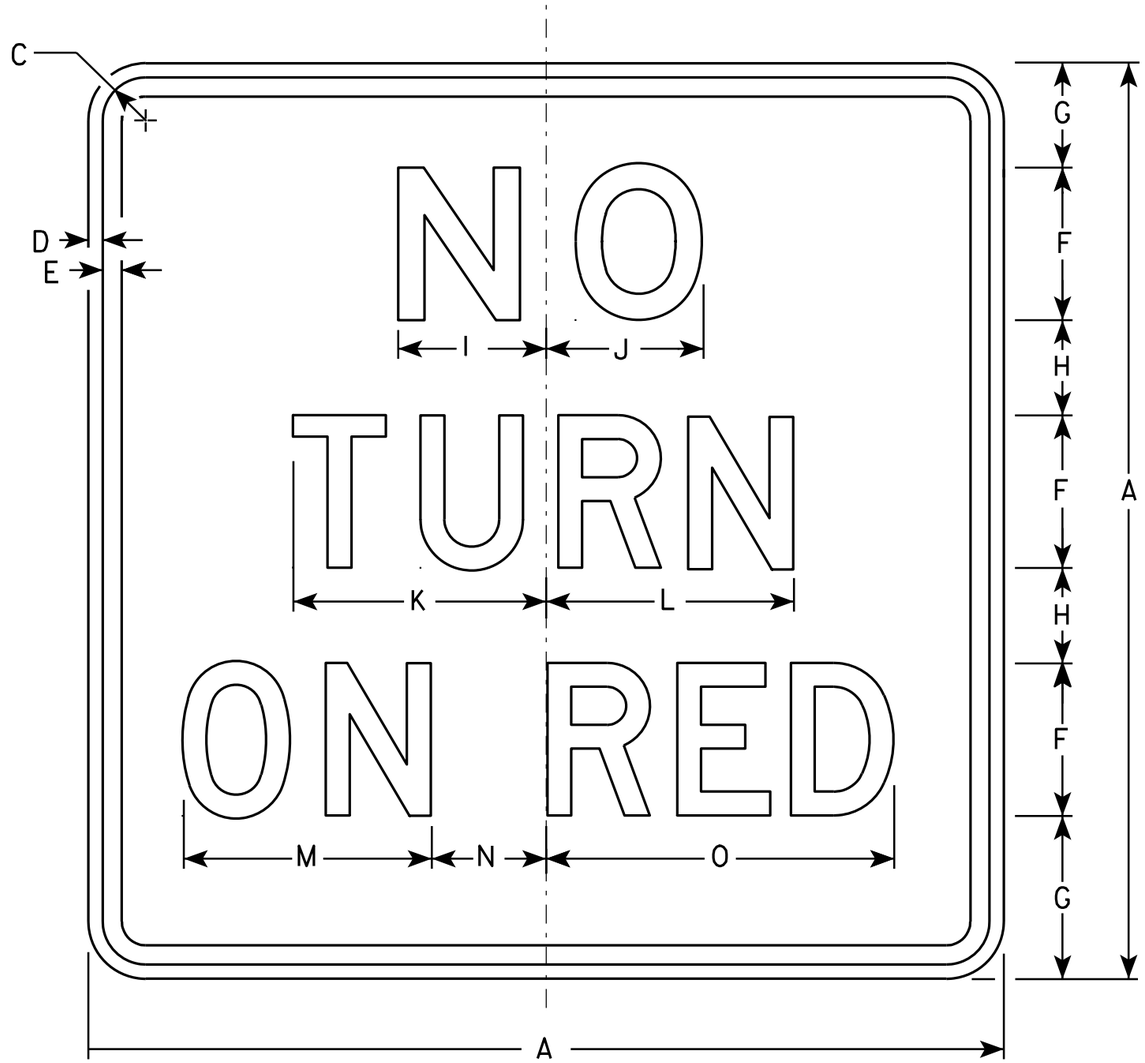
STANDARD SIGN
R9-11A

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: 538 | E



R10-11B

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 - 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 E.
   Lines 2 and 3 are 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	18		1 1/8	3/8	3/8	3	2 3/4	1 3/4	3	3 1/8	5	4 7/8	5 1/4	1 7/8	7 1/8												2.25
2S	24		1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 7/8	4 1/8	6 5/8	6 1/2	6 1/2	3	9 1/8												4.0
2M	24		1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 7/8	4 1/8	6 5/8	6 1/2	6 1/2	3	9 1/8												4.0
3	30		1 3/8	1/2	5/8	5	4 1/2	3	4 7/8	5 1/4	8 1/4	8 1/8	7 3/4	4 1/8	11 7/8												6.25
4																											
5																											

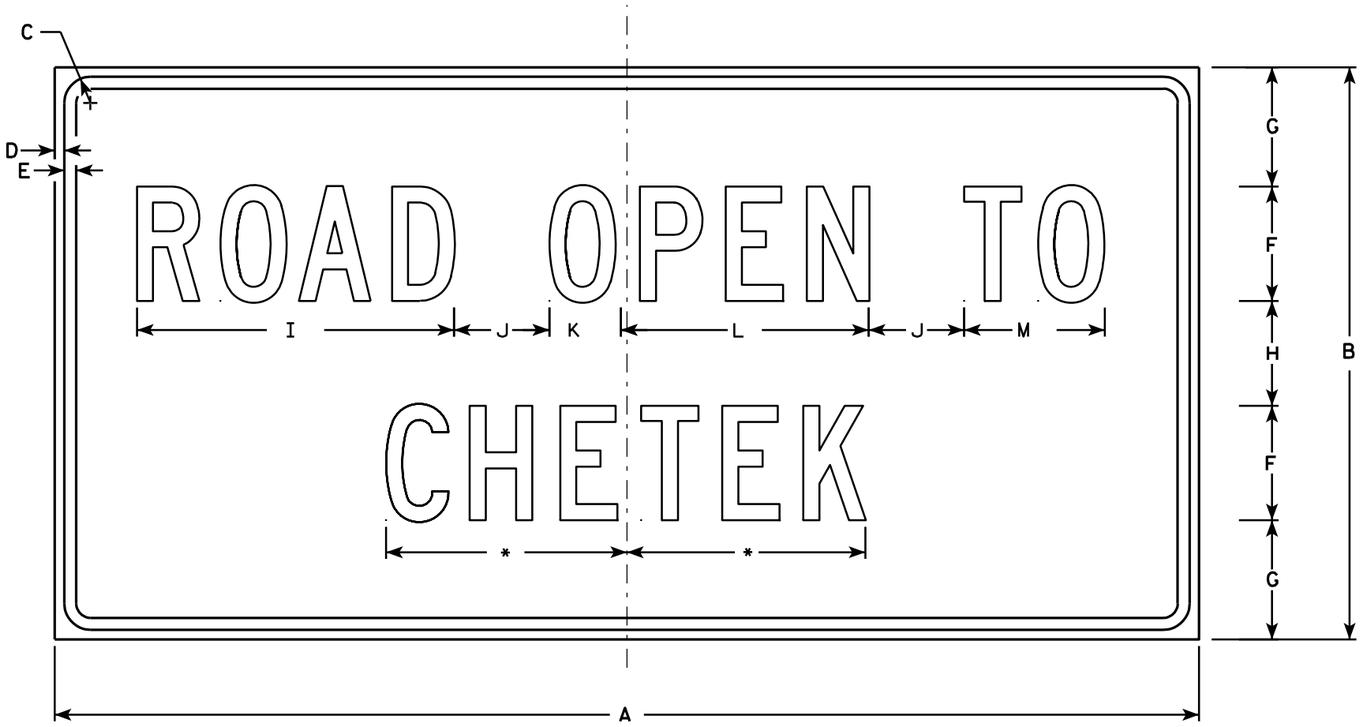
STANDARD SIGN
R10-11B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/5/11 PLATE NO. R10-11B.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 539 | 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: 540	E

R10-71

R10-71L

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.

R10-71R

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	R10-71L&R Area sq. ft.	R10-71 Area sq. ft.
1																												
2S	72	36	2 1/4	3/4	1	18	5	4	6	20 5/8	11 3/4	9 1/8	8 1/2	12 7/8	9 7/8	16 1/8	23 7/8	30	5 5/8	26 3/4	66	23 5/8	8 3/4	13	26 7/8	27	18.0	16.5
2M	72	36	2 1/4	3/4	1	18	5	4	6	20 5/8	11 3/4	9 1/8	8 1/2	12 7/8	9 7/8	16 1/8	23 7/8	30	5 5/8	26 3/4	66	23 5/8	8 3/4	13	26 7/8	27	18.0	16.5
3																												
4																												
5																												

STANDARD SIGN
R10-71

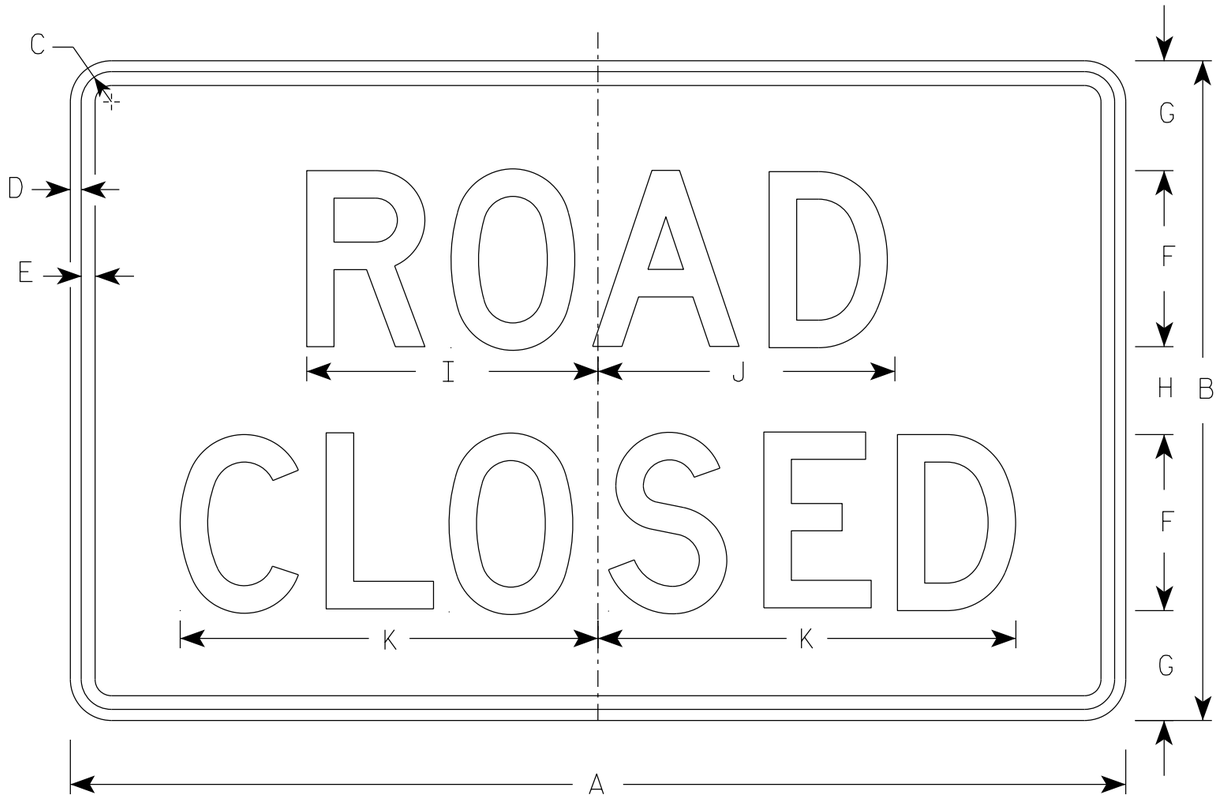
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/4/11 PLATE NO. R10-71.3

PROJECT NO:

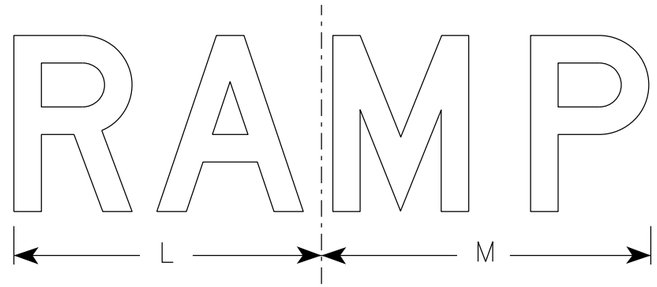
SHEET NO: 541 E



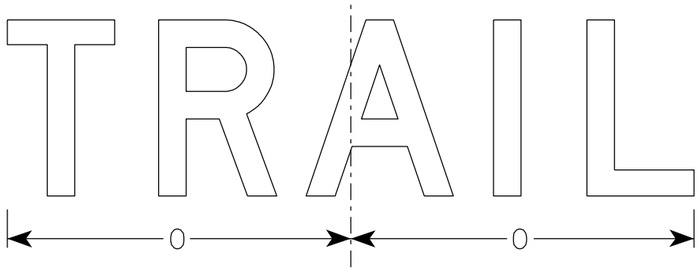
R11-2

NOTES

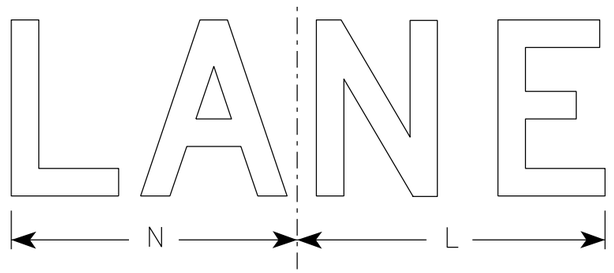
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the 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

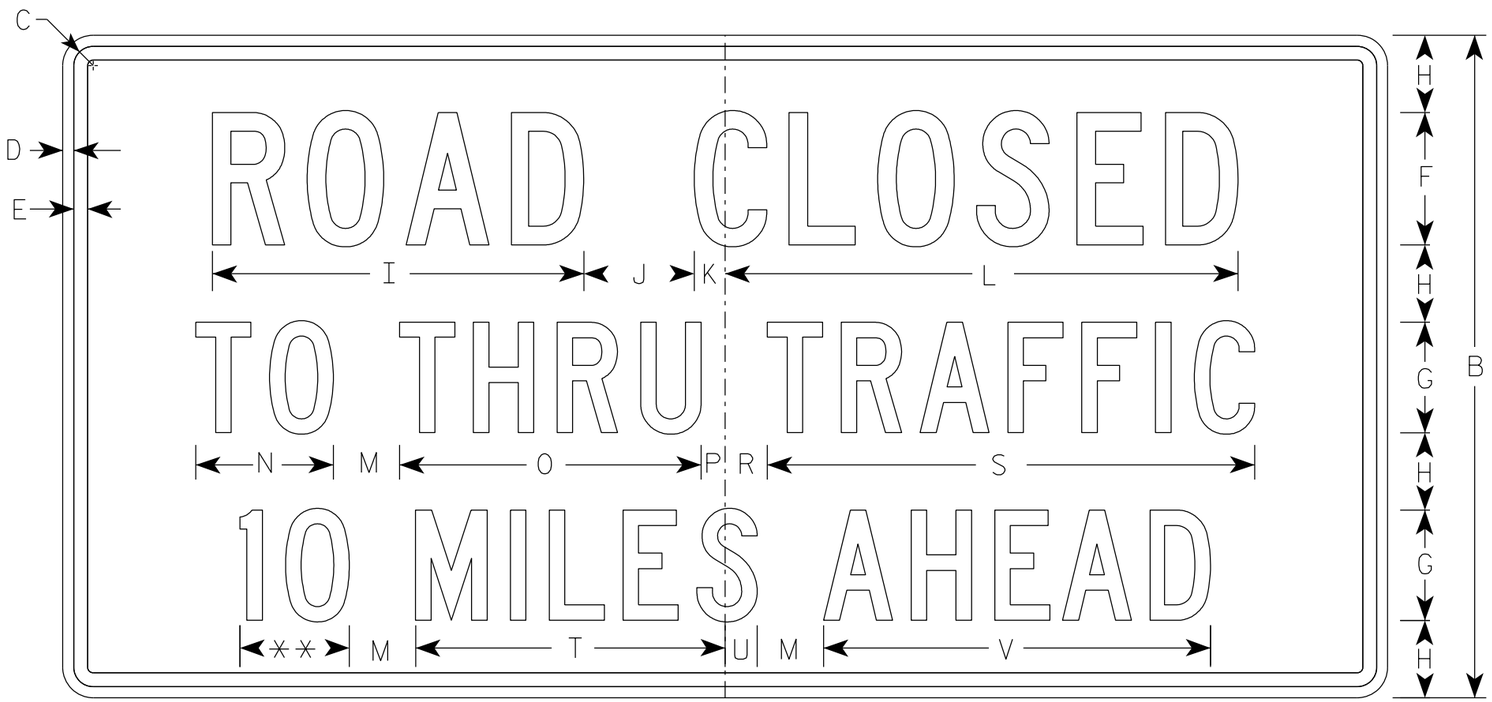
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.dgn PLOT DATE : 29-MAR 2021 8:15 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

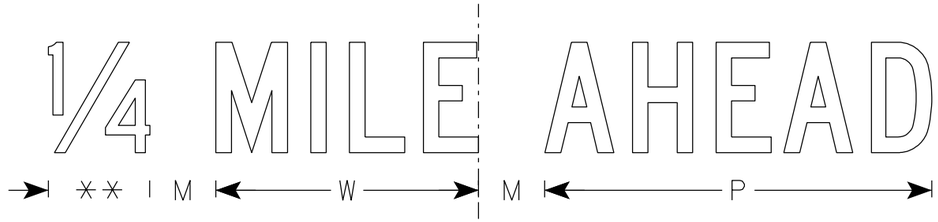
NOTES

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



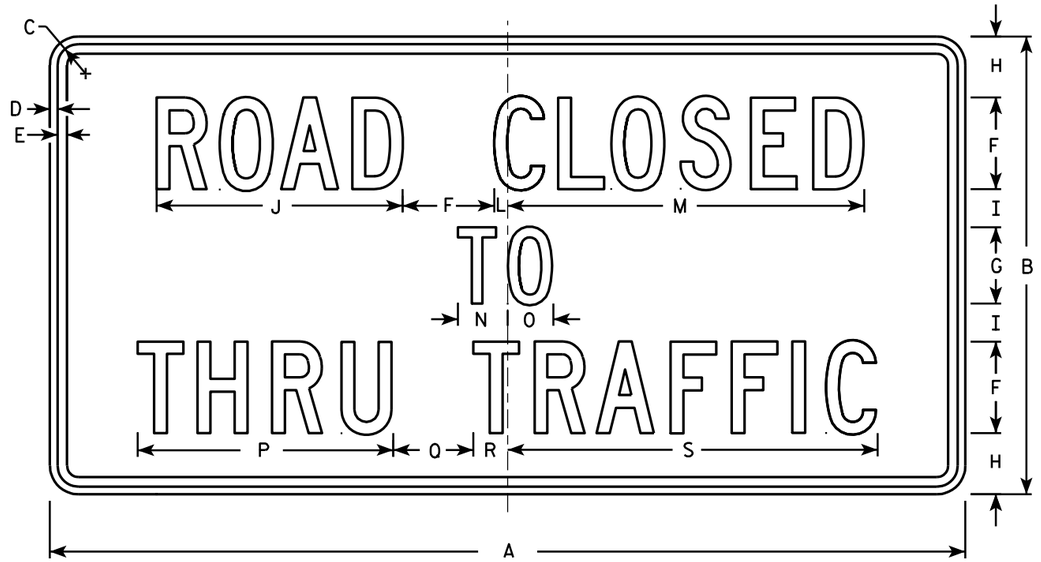
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/4	3/8	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
2S	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
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: 543 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																											

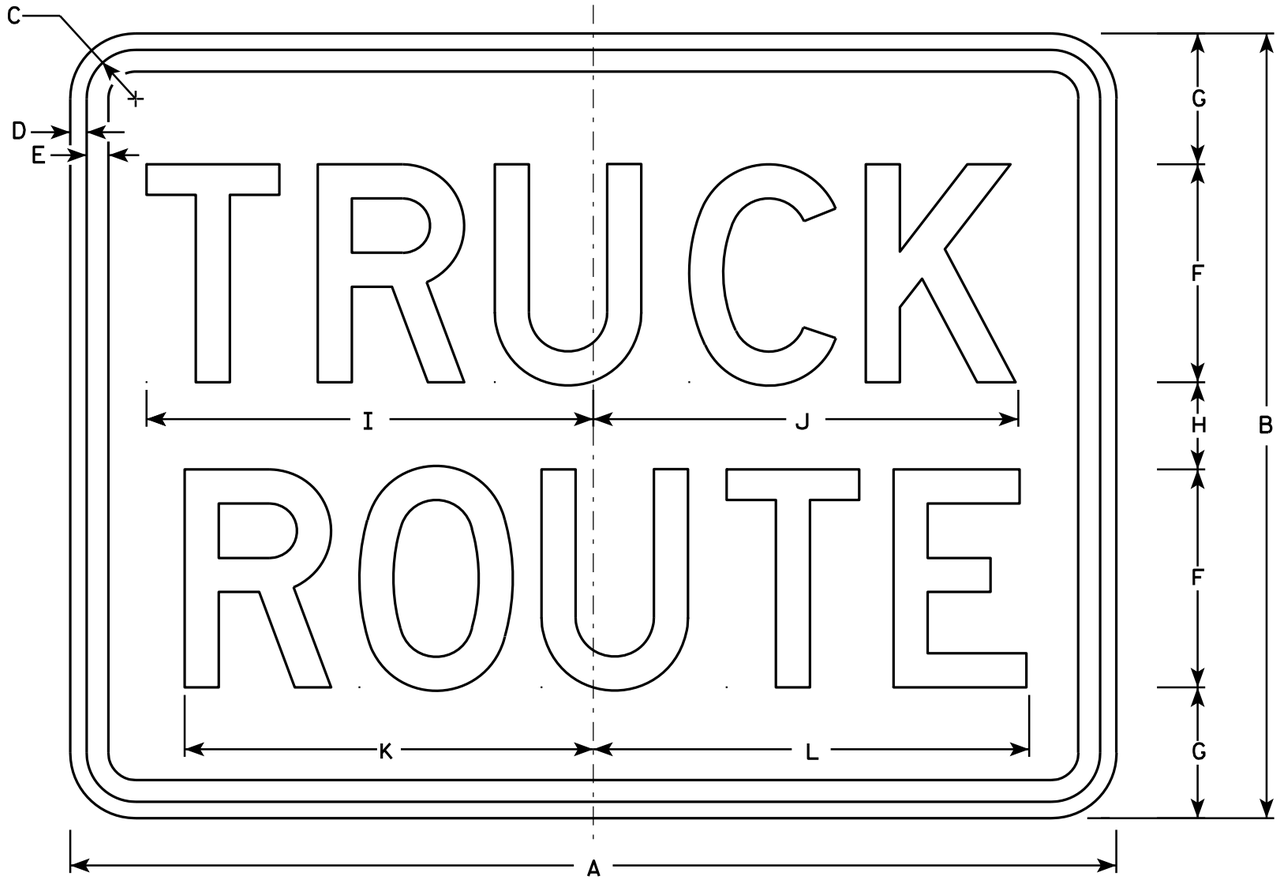
STANDARD SIGN
R11 - 4

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: 544 | E



R14-1

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																											
2	24	18	1 1/8	3/8	1/2	5	3	2	10 1/4	9 3/4	9 3/8	10															3.0
2	24	18	1 1/8	3/8	1/2	5	3	2	10 1/4	9 3/4	9 3/8	10															3.0
3	30	24	1 1/8	3/8	1/2	6	4	4	12 1/4	11 3/4	11 1/4	12															5.0
4																											
5																											

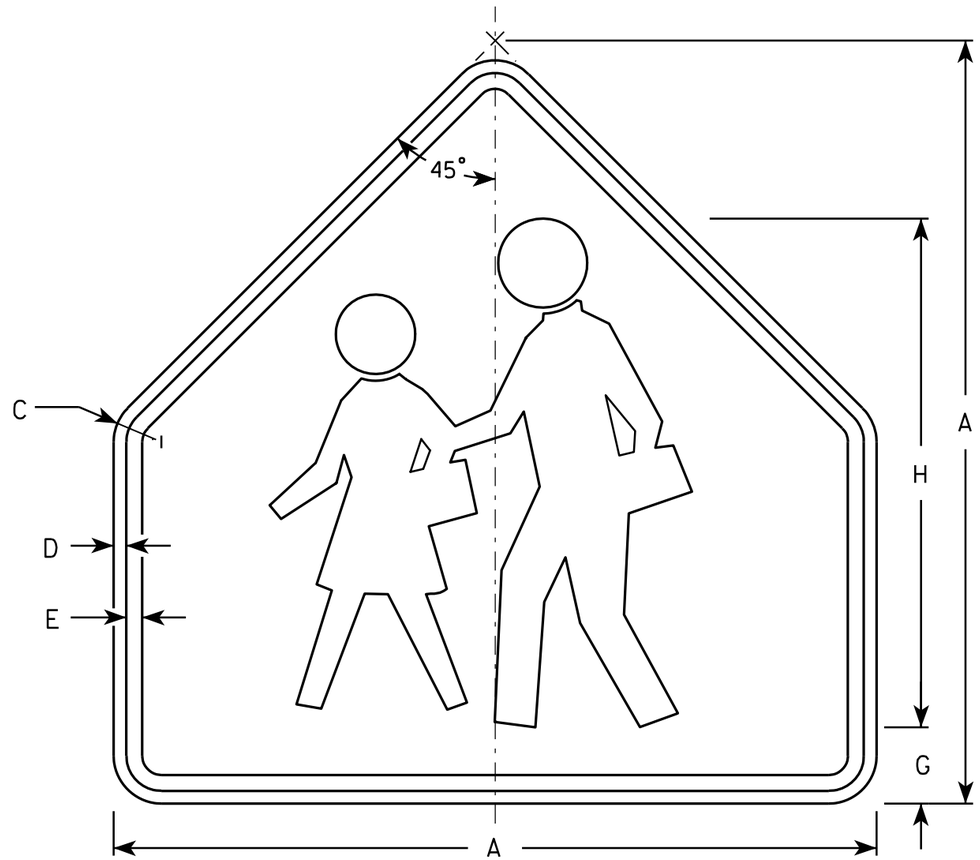
STANDARD SIGN
R14-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R14-1.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 545	E



S1-1

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-Green
   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		3	20																			4.69
2	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
3	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
4	48		2 1/4	3/4	1		4 3/4	32																			12
5																											

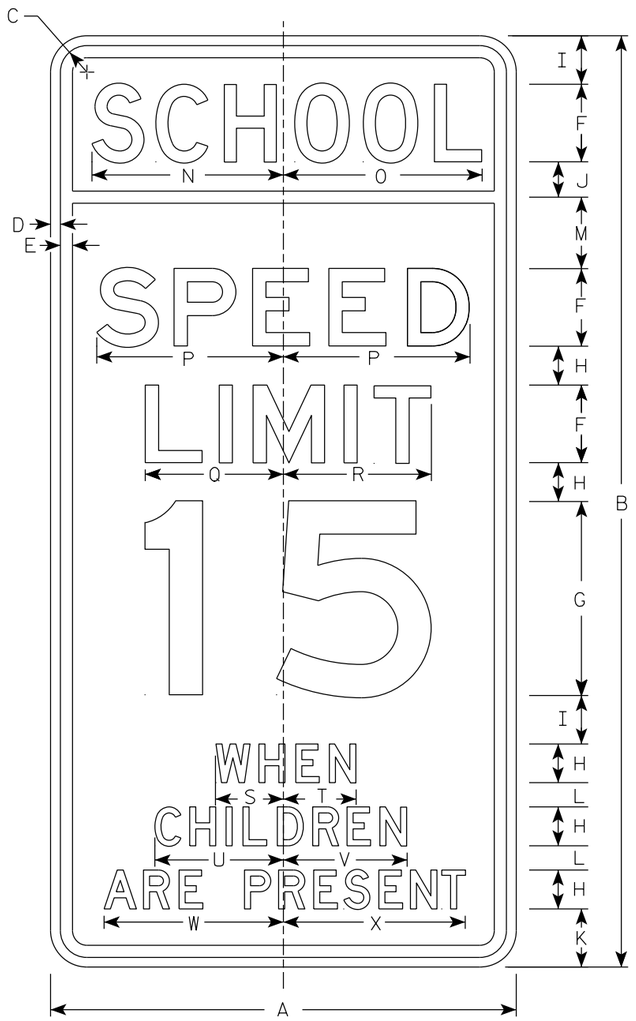
STANDARD SIGN
S1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/05 PLATE NO. S1-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 546	E



S4-51

NOTES

1. Sign is Type II - See Note 2 for Sheeting Type
2. Color:
   Background - See Note 4
   Message - Black
3. Message Series - See Note 5
4. Top panel (SCHOOL) background - Yellow Green - Type F Reflective
   Lower panel background - White - Type SH Reflective
5. From top to bottom:
   Lines 1, 5, 6 & 7 are series D
   Lines 2, 3 & 4 are series E
6. Line 4 substitute appropriate numerals and 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																											
2	24	48	1 3/8	1/2	5/8	4	10	2	2 1/2	1 3/4	3	1 1/4	3 3/4	9 7/8	10 1/4	9 5/8	7 1/8	7 5/8	3 1/2	3 3/8	6 5/8	6 3/8	9 1/4	9 3/8			8.00
3	36	72	2 1/4	3/4	1	6	15	3	3 3/4	2 3/4	4 1/2	1 7/8	5 1/2	15	15 1/4	14 1/2	11 1/4	11 1/2	5 1/2	5 3/4	10	9 3/4	14	14 1/8			18.00
4																											
5																											

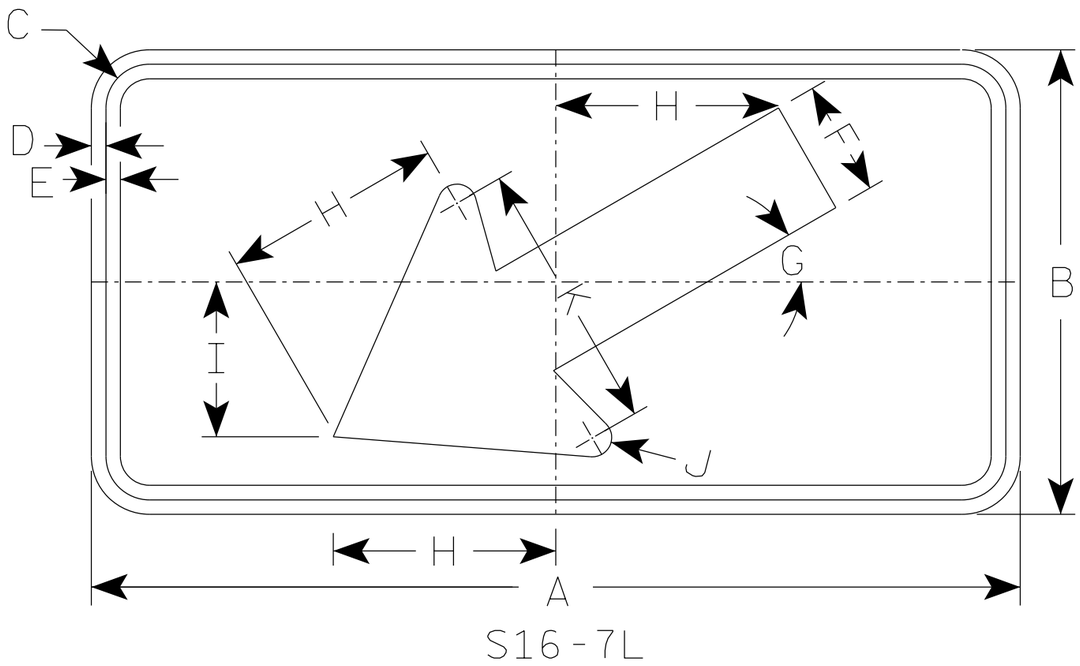
STANDARD SIGN
S4-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/27/2020 PLATE NO. S4-51.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 547 E



S16-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow-Green
   Message - Black
3. S16-7R are the same as S16-7L 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	24	12	1 1/8	3/8	3/8	3	30°	5 3/4	4	1/2	7																2.0
2S	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
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																											

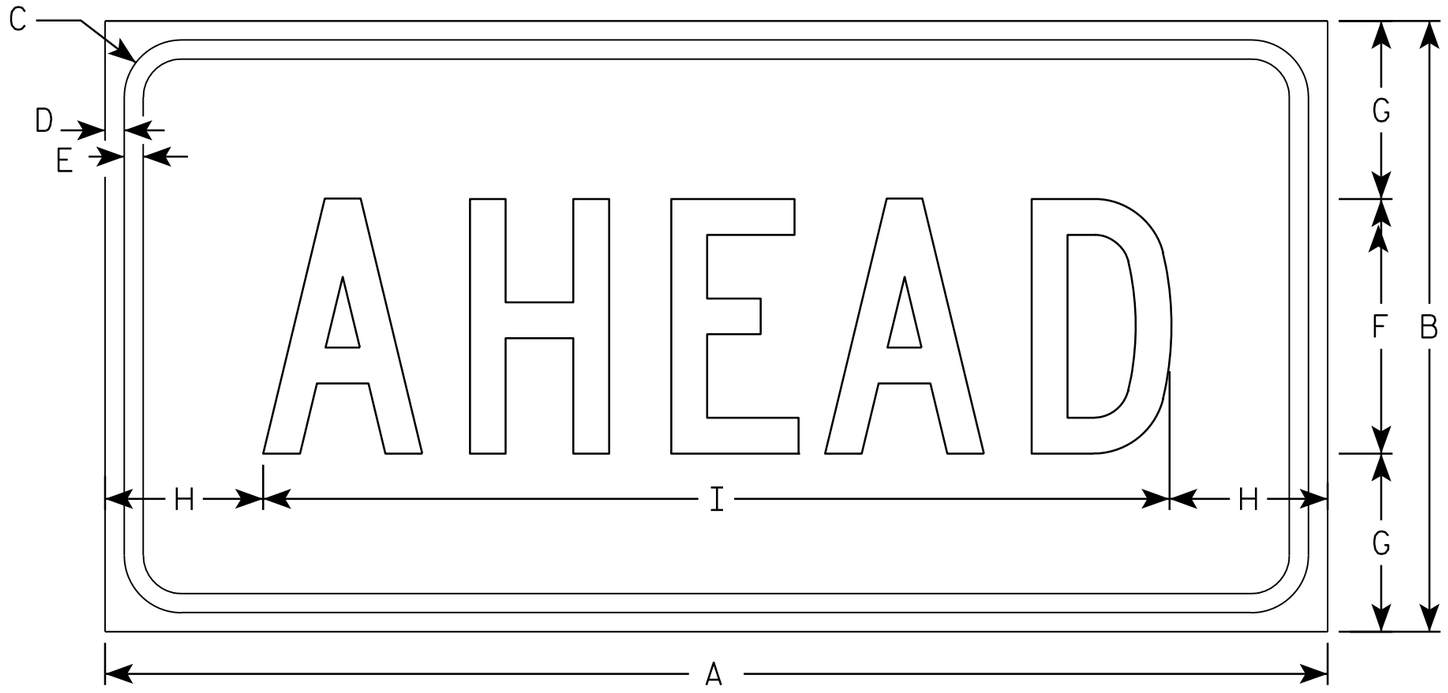
STANDARD SIGN
S16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/2021 PLATE NO. S16-7.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 548 E



S16-9P

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-Green
   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	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2S	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
S16-9P

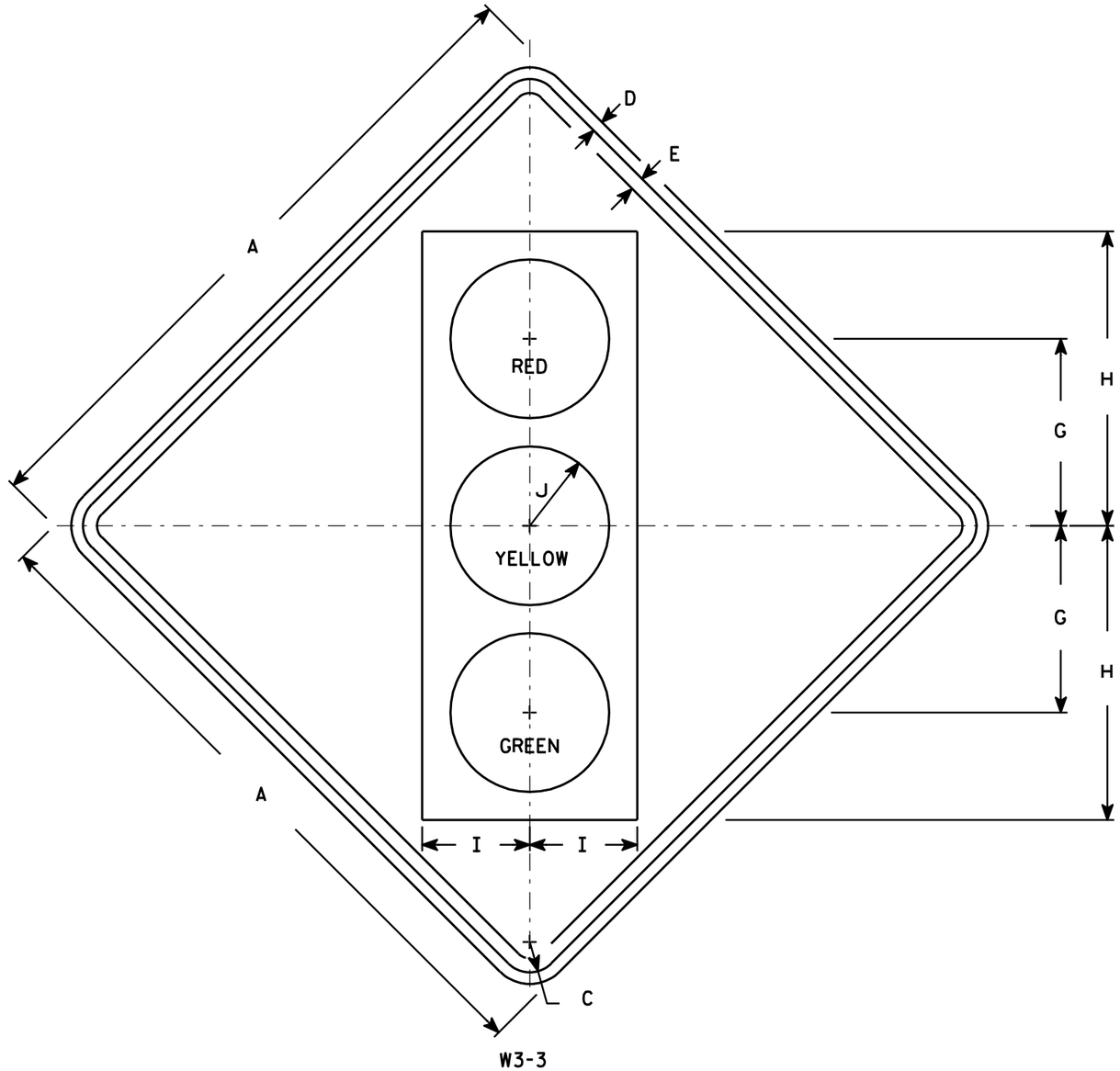
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/22/13 PLATE NO. S16-9P.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 549 | E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\S169P.dgn PLOT DATE : 22-JUL-2013 10:32 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 2.977140:1.000000



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

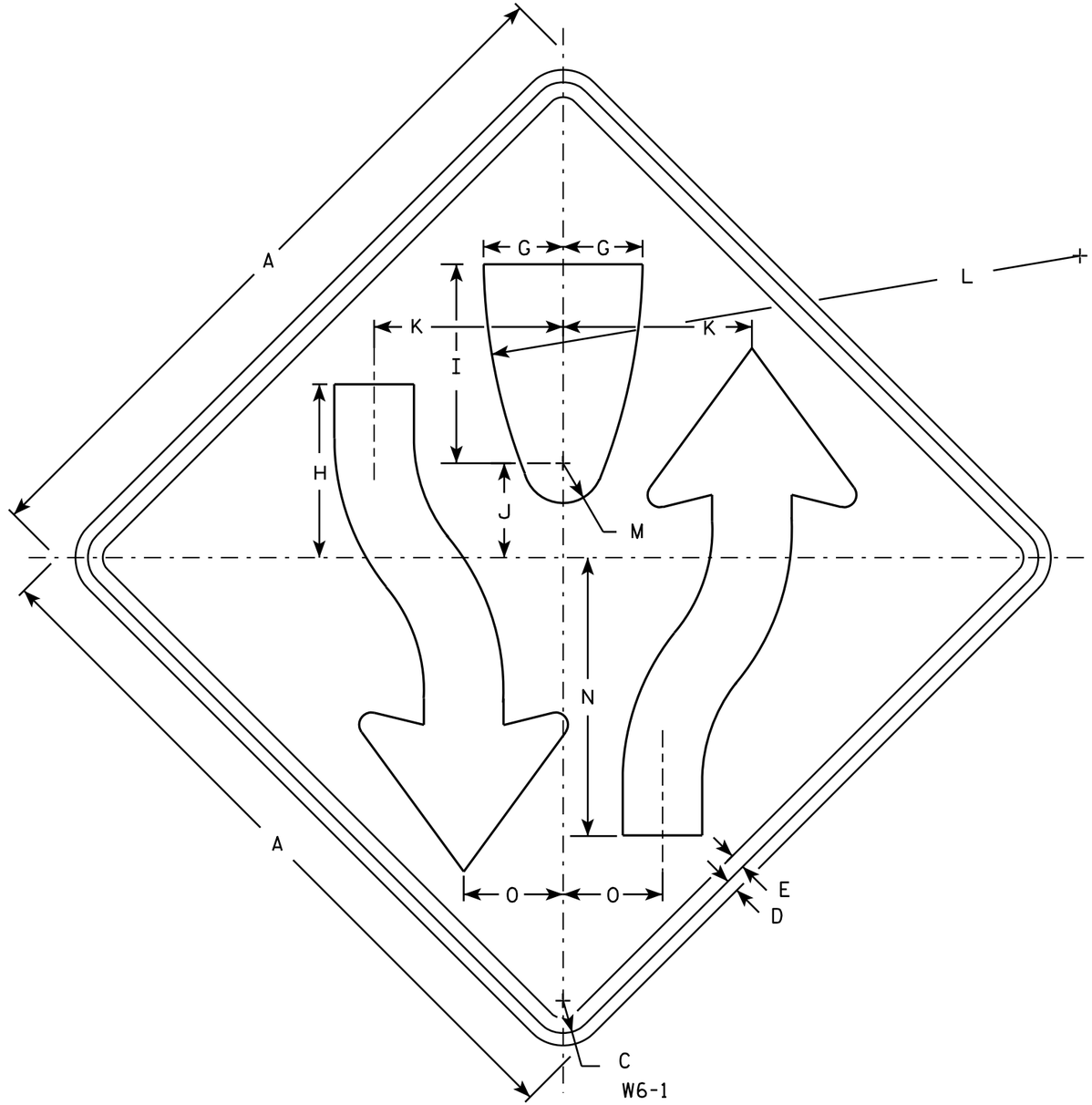
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 550 | E

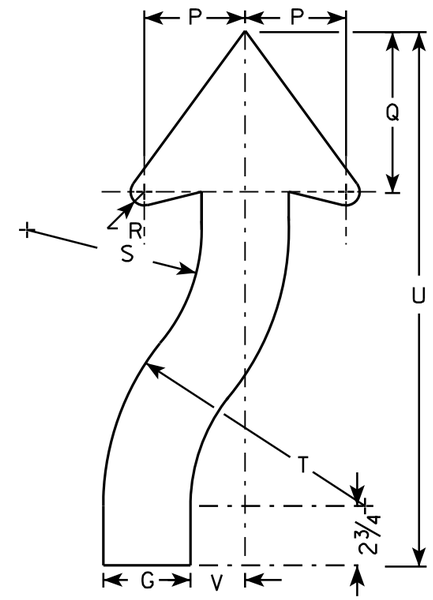
7

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



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.
4. W6-2 same as W6-1 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	30		1 3/8	1/2	5/8		3 1/4	8	8 1/4	4 1/8	7 7/8	25	1 3/4	11 5/8	4 1/8	3 7/8	6 3/4	5/8	6 5/8	9 7/8	21 5/8	2					6.25
2S	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
2M	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
3																											
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
W6-1 & W6-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

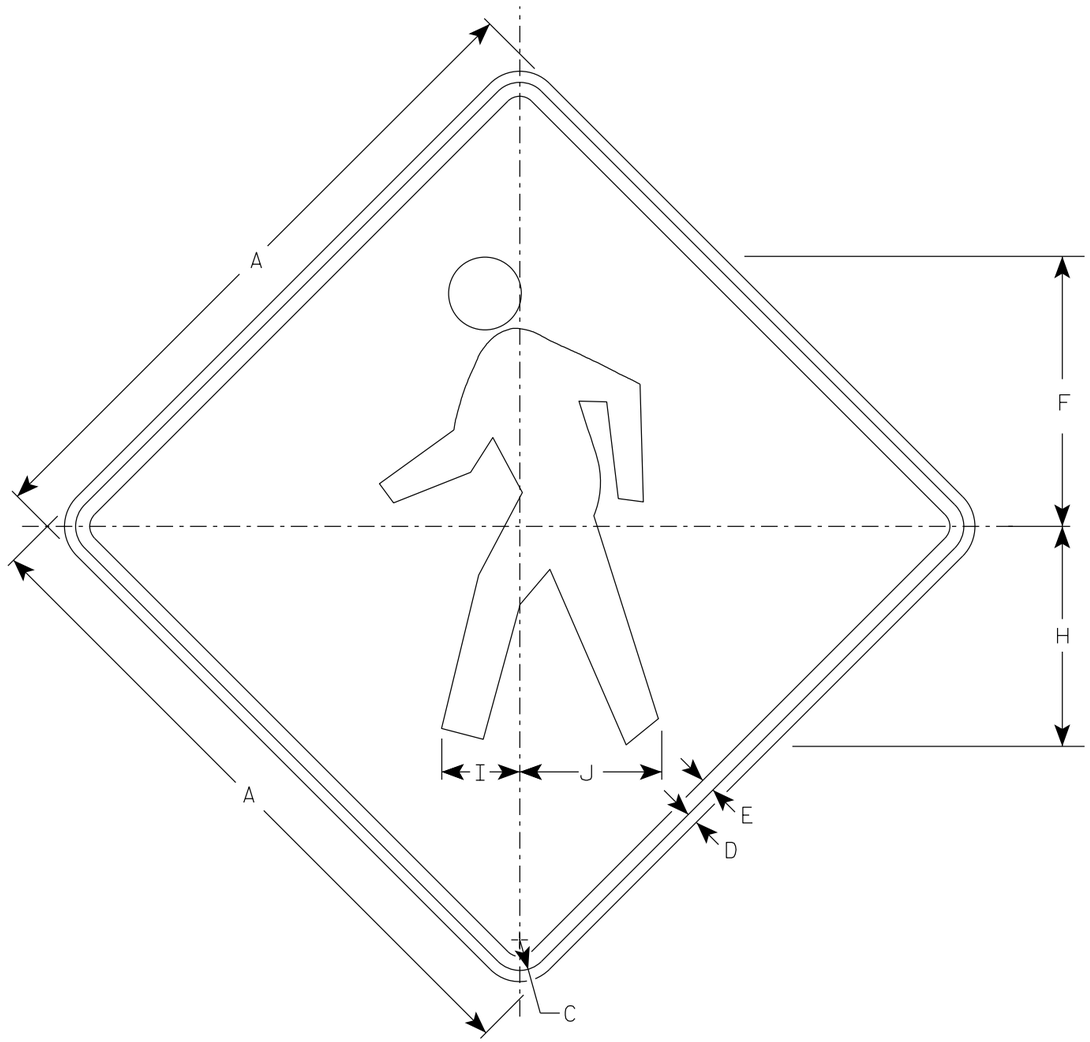
DATE 03/12/13 PLATE NO. W6-1.14

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 551	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W61.DGN PLOT DATE : 12-MAR-2013 14:02 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.946657:1.000000
WISDOT/CADDS SHEET 42

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black



W11-2

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	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

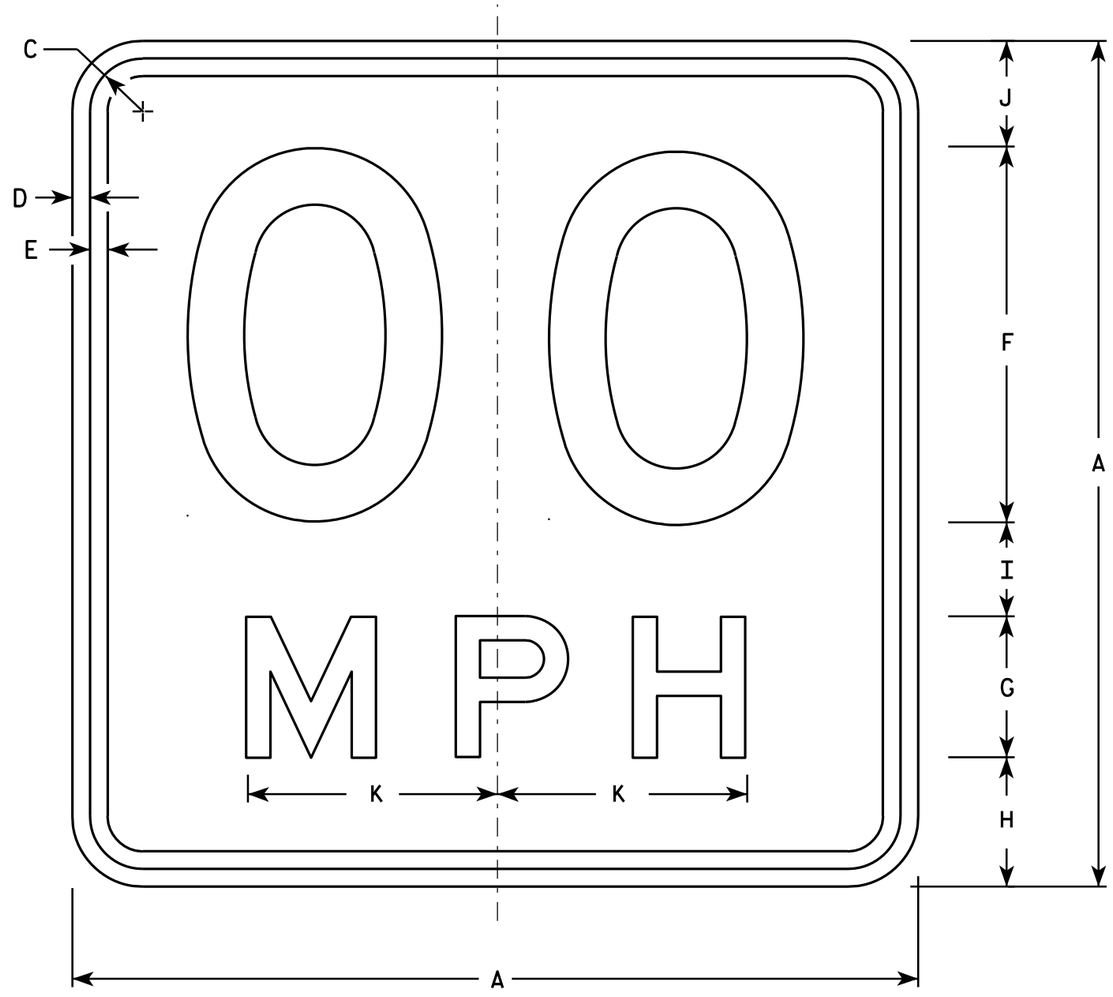
W11-2

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: 552 | 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

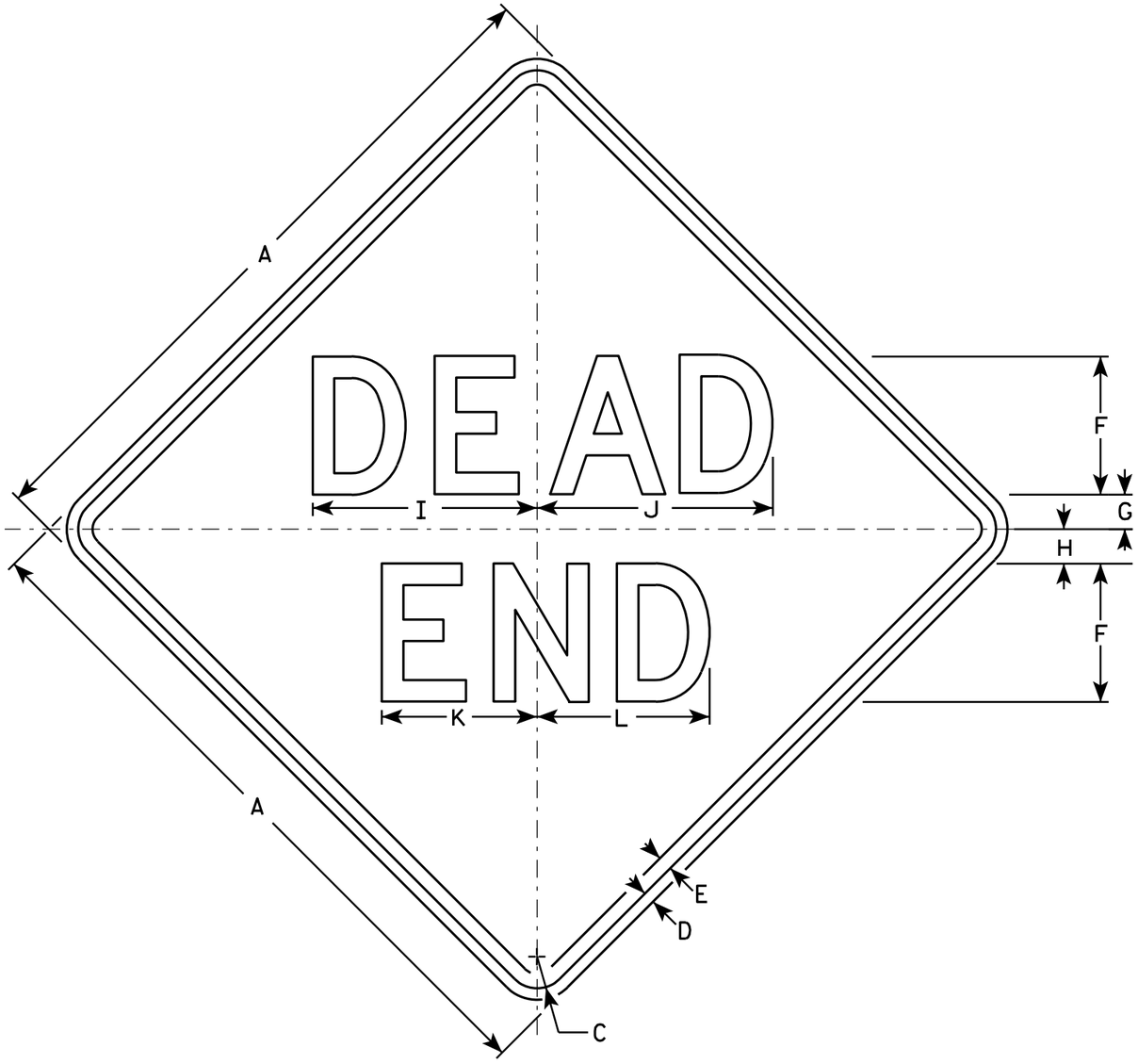
STANDARD SIGN
W13-1

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: 553	E



W14-1

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 - 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	24		1 1/8	3/8	1/2	5	1	2	8 1/4	8 5/8	5 5/8	6 1/4															4.0
2S	30		1 3/8	1/2	5/8	6	1 1/2	2 1/2	9 3/4	10 1/4	6 3/4	7 1/2															6.25
2M	30		1 3/8	1/2	5/8	6	1 1/2	2 1/2	9 3/4	10 1/4	6 3/4	7 1/2															6.25
3	36		1 5/8	5/8	3/4	7	2	3	11 3/8	12	7 7/8	8 3/4															9.0
4																											
5																											

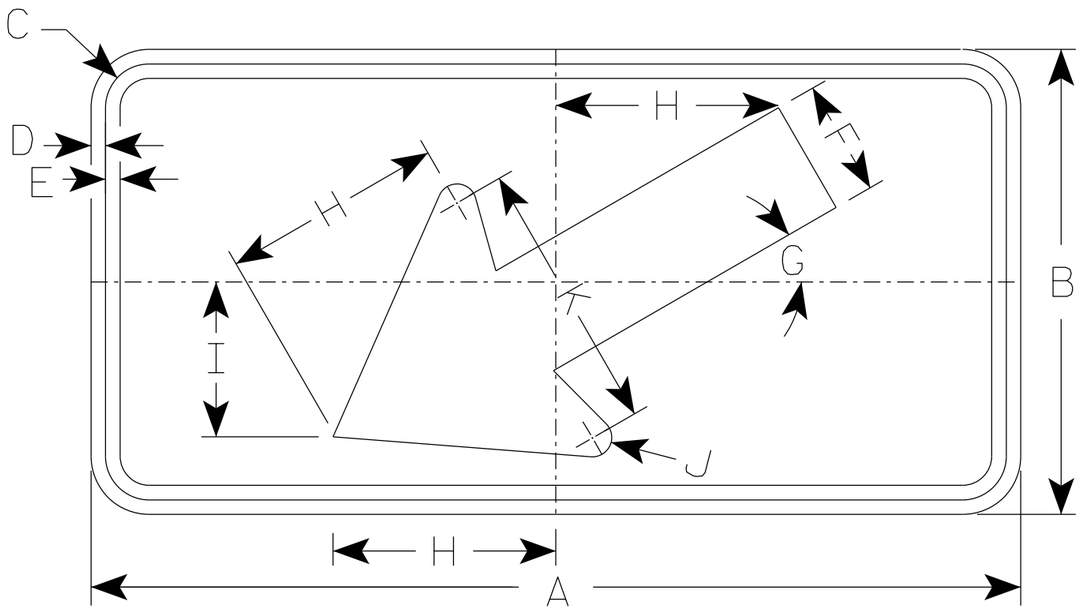
STANDARD SIGN
W14-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W14-1.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 554	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

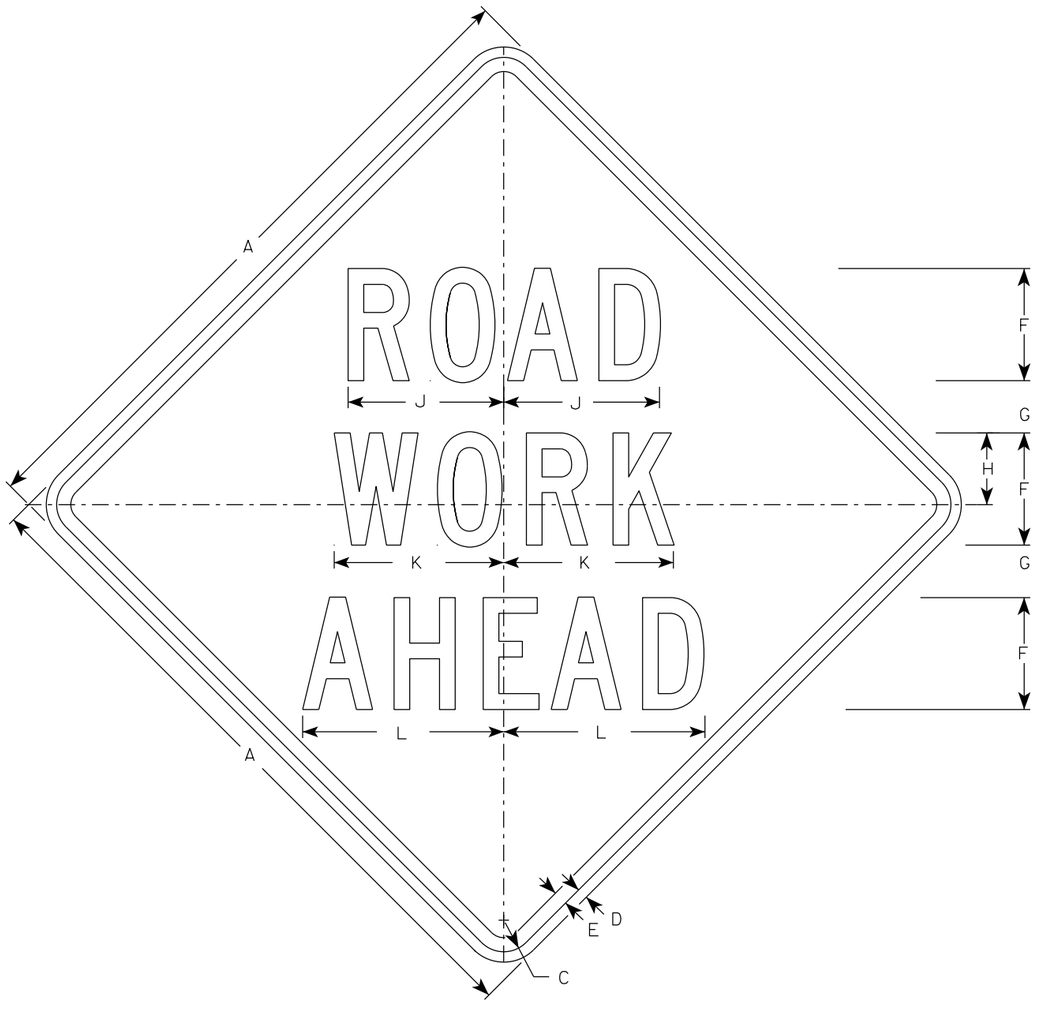
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

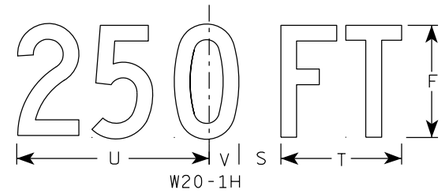
DATE 3/16/2021 PLATE NO. W16-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 555	E

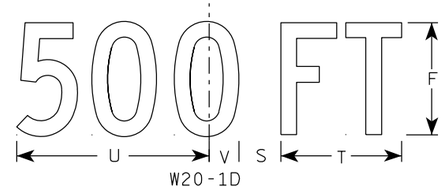
7



W20-1A

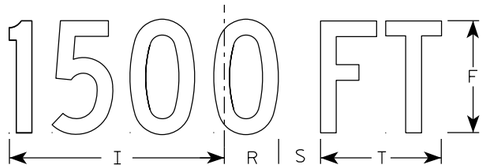


W20-1H



W20-1D

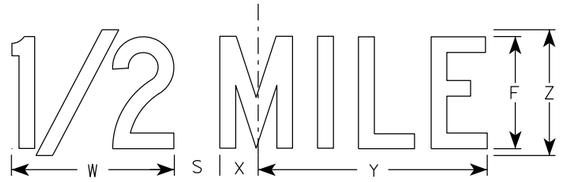
W20-1C



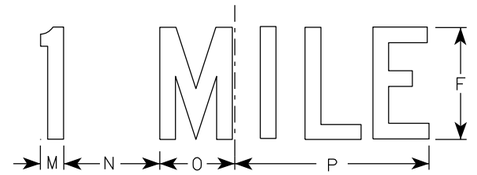
W20-1B

NOTES

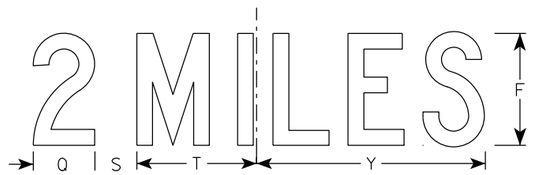
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1G



W20-1F



W20-1E

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:

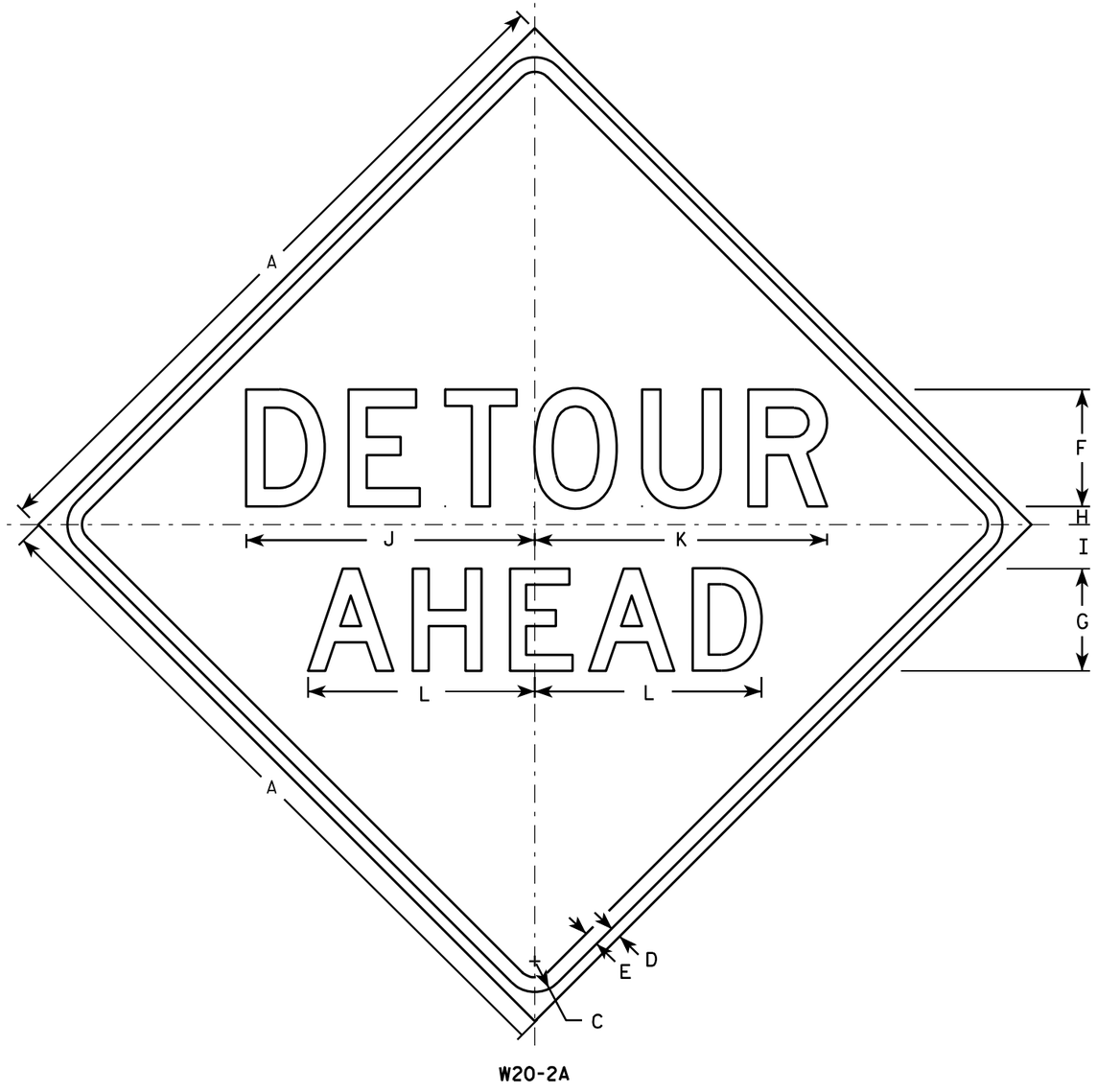
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

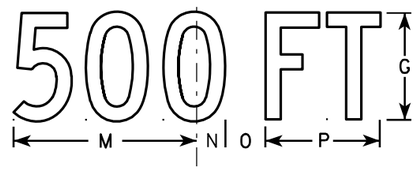
WISDOT/CADDS SHEET 42

7

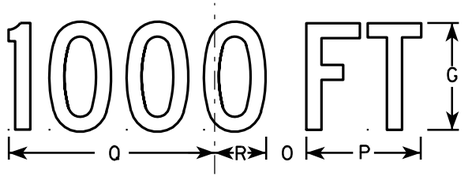
7



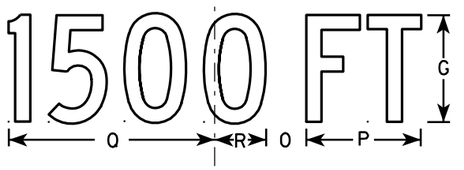
W20-2A



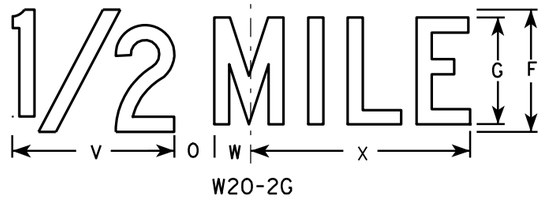
W20-2D



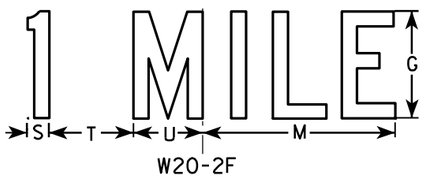
W20-2C



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

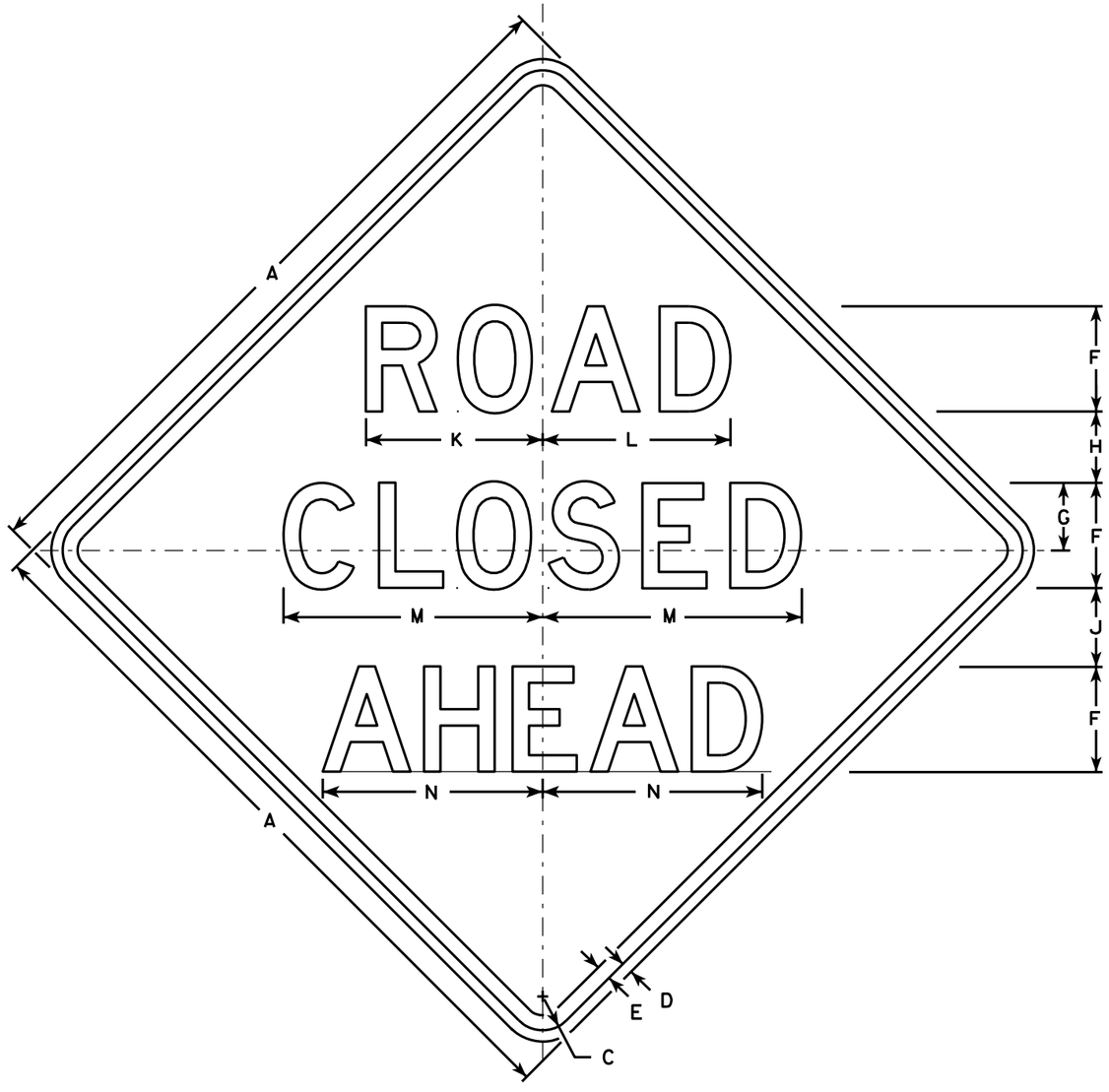
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

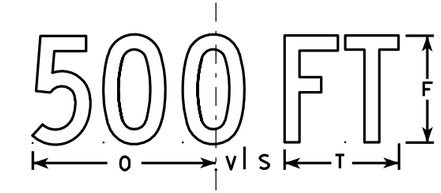
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

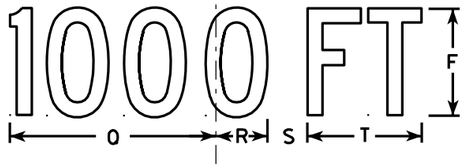
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 557	E



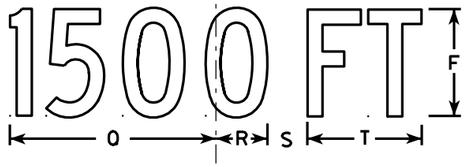
W20-3A



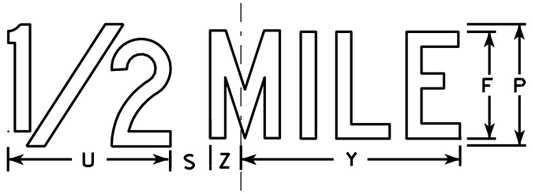
W20-3D



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

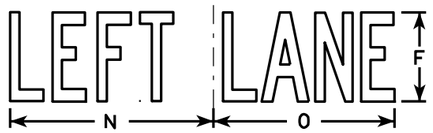
STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

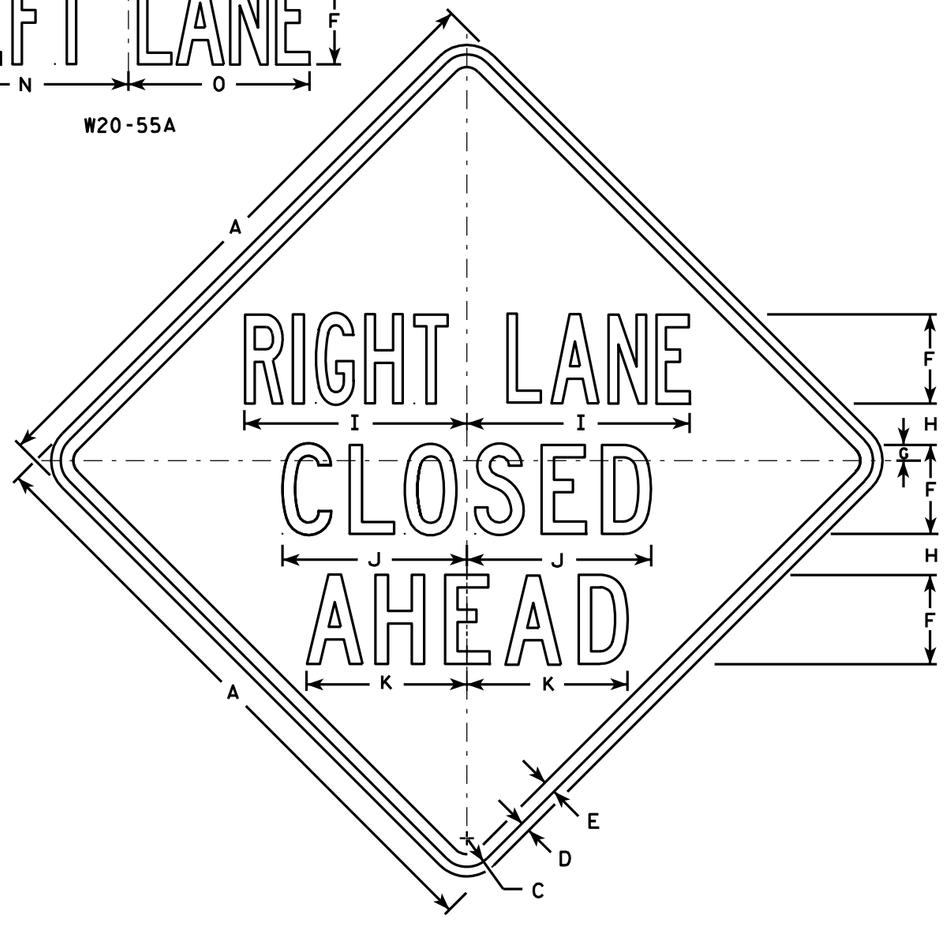
APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 558 | E

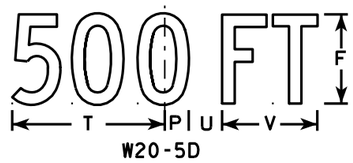
W20-56A



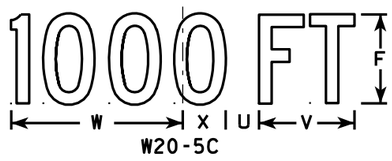
W20-55A



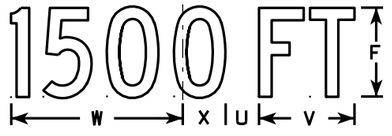
W20-5A



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

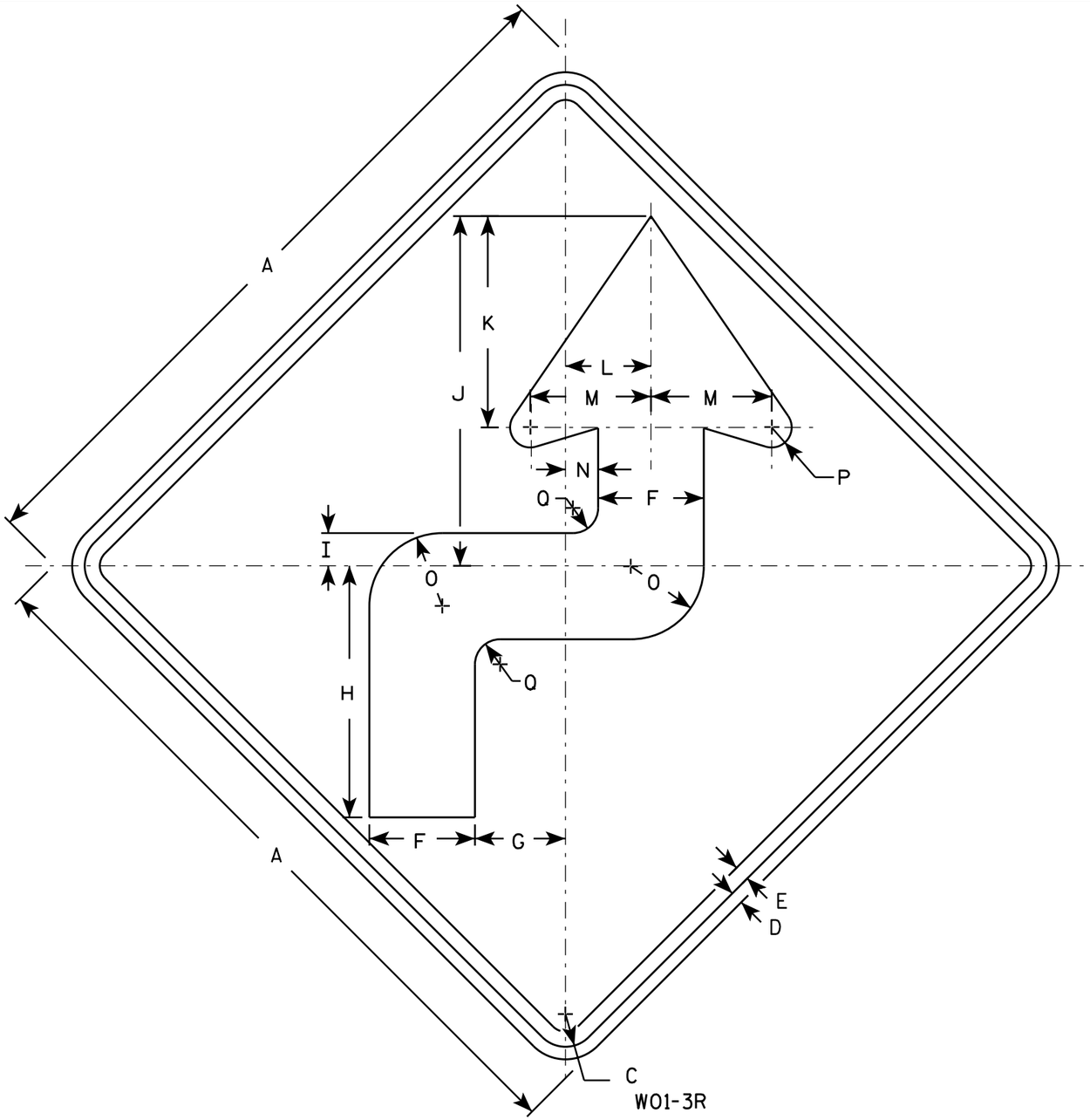
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 559 | E

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



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. W01-3L is the same as W01-3R 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 1/2	12 1/2	1 5/8	17 3/8	10 1/2	4 1/4	6	1 5/8	3 5/8	1	1 1/4										9.0
2S	48		2 1/4	3/4	1	7	6	16 5/8	2 1/4	23 1/4	14	5 5/8	8	2 1/8	4 7/8	1 1/4	1 5/8										16.0
2M	48		2 1/4	3/4	1	7	6	16 5/8	2 1/4	23 1/4	14	5 5/8	8	2 1/8	4 7/8	1 1/4	1 5/8										16.0
3	48		2 1/4	3/4	1	7	6	16 5/8	2 1/4	23 1/4	14	5 5/8	8	2 1/8	4 7/8	1 1/4	1 5/8										16.0
4	48		2 1/4	3/4	1	7	6	16 5/8	2 1/4	23 1/4	14	5 5/8	8	2 1/8	4 7/8	1 1/4	1 5/8										16.0
5	48		2 1/4	3/4	1	7	6	16 5/8	2 1/4	23 1/4	14	5 5/8	8	2 1/8	4 7/8	1 1/4	1 5/8										16.0

STANDARD SIGN
W01-3

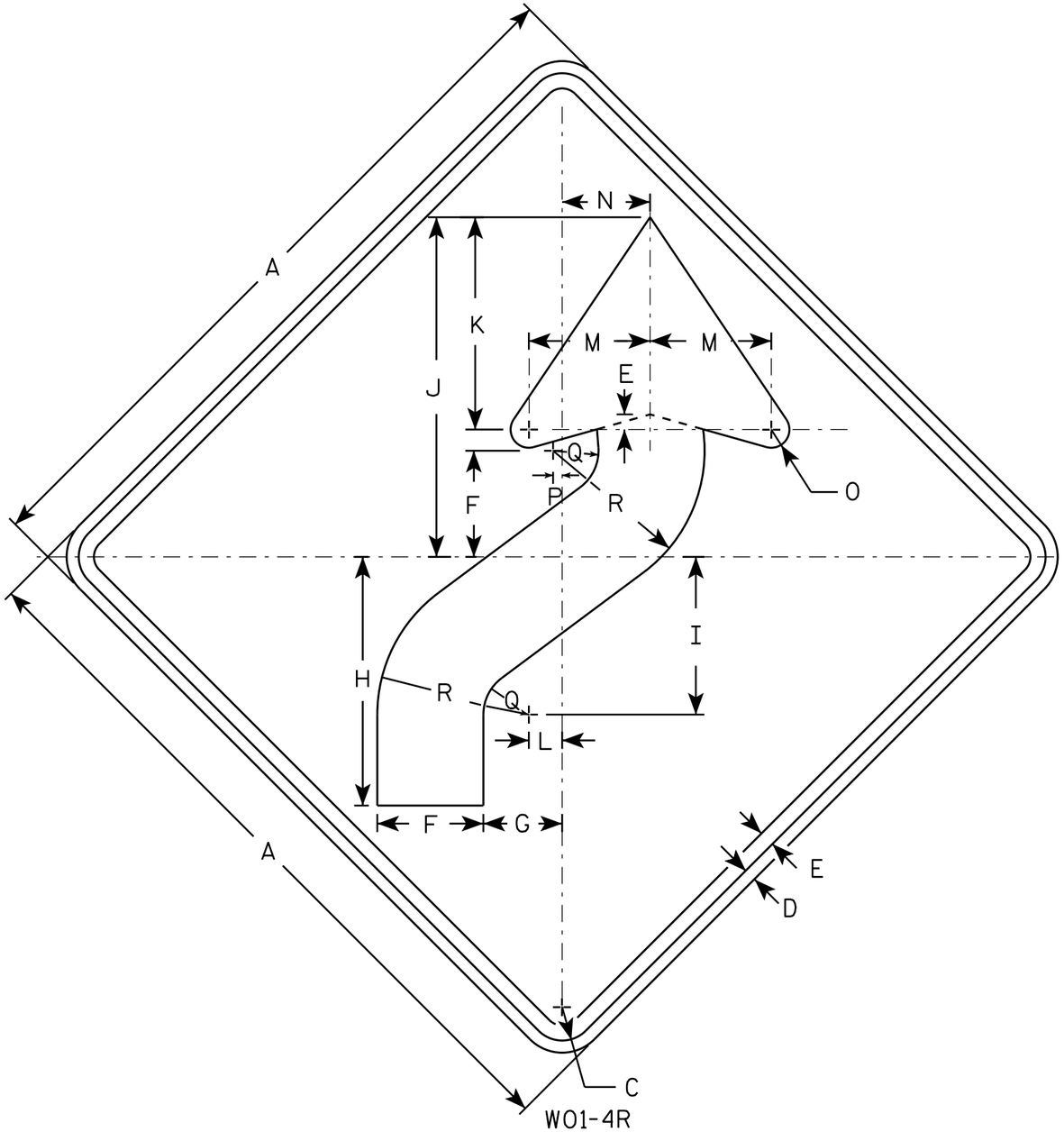
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE W01-3.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W013.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.567217:1.000000
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

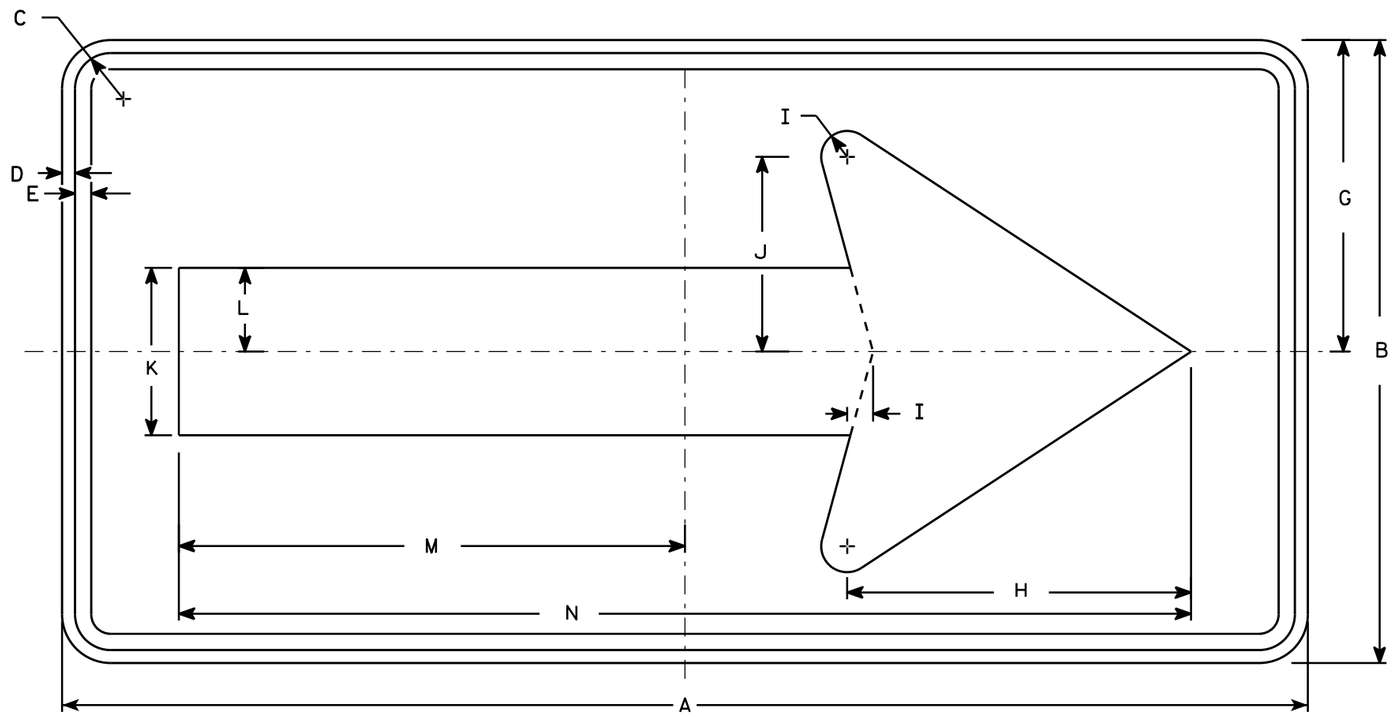
WISCONSIN DEPT OF TRANSPORTATION

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

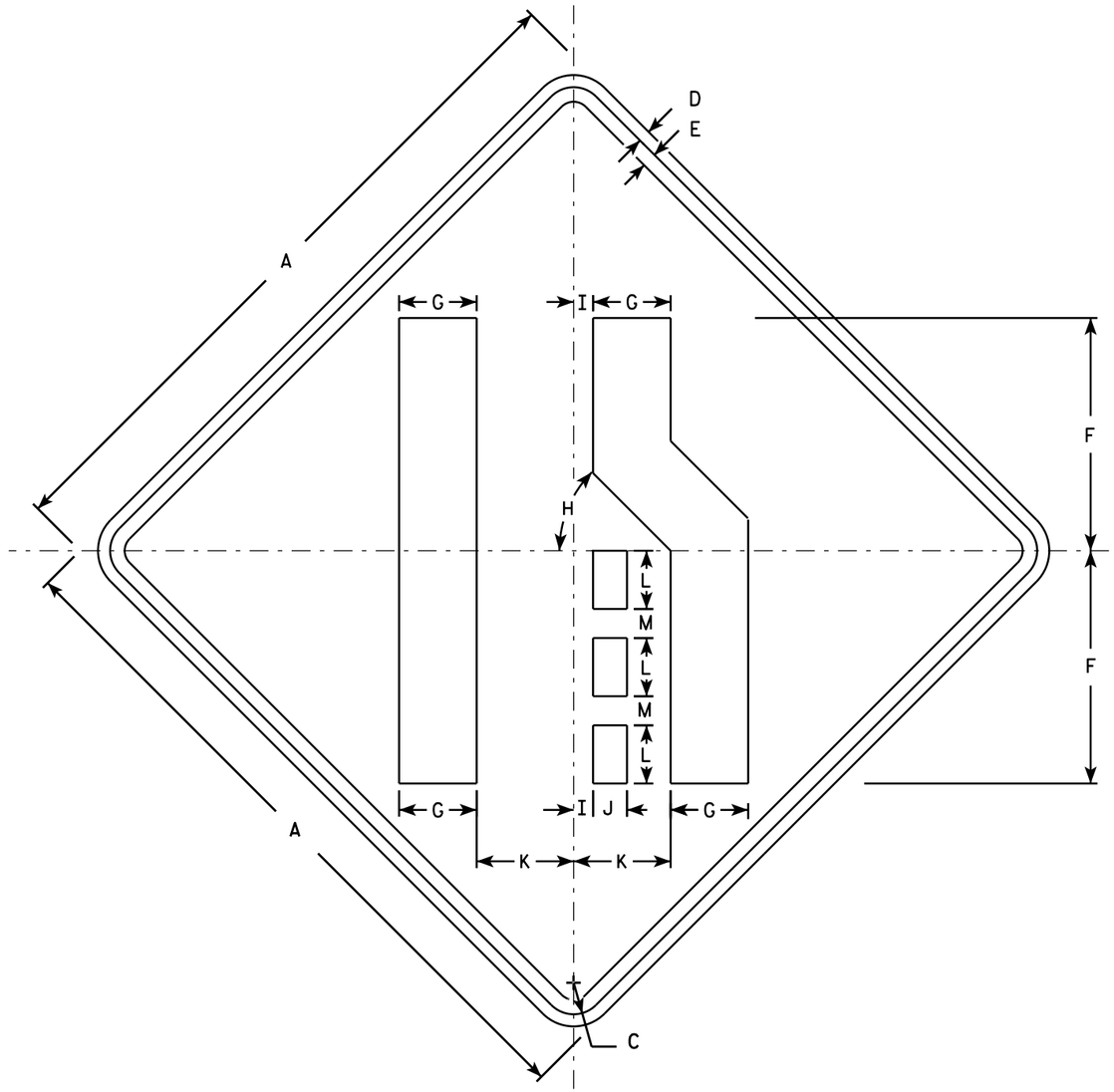
WISCONSIN DEPT OF TRANSPORTATION

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



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

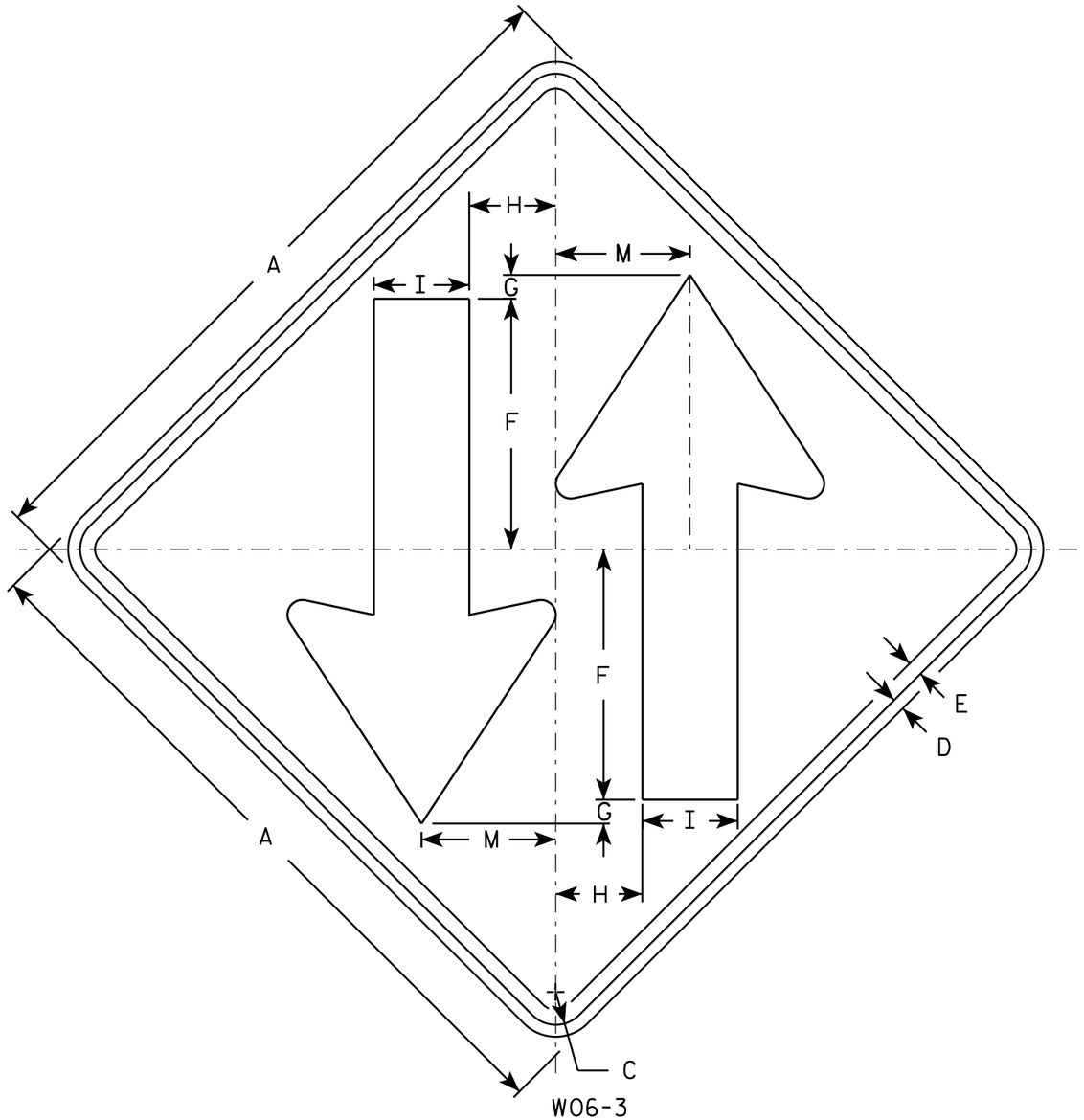
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 563 W04-2.1

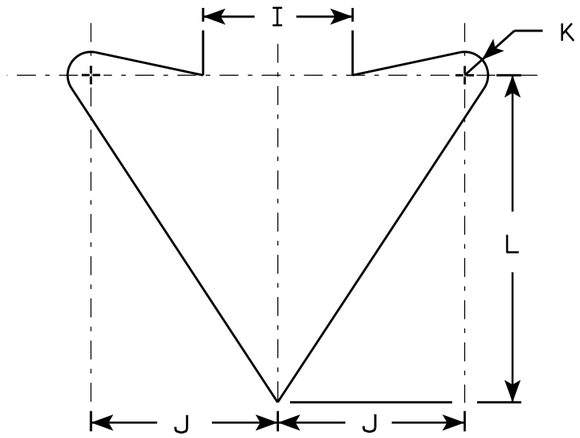
PROJECT NO:

SHEET NO: 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 - 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

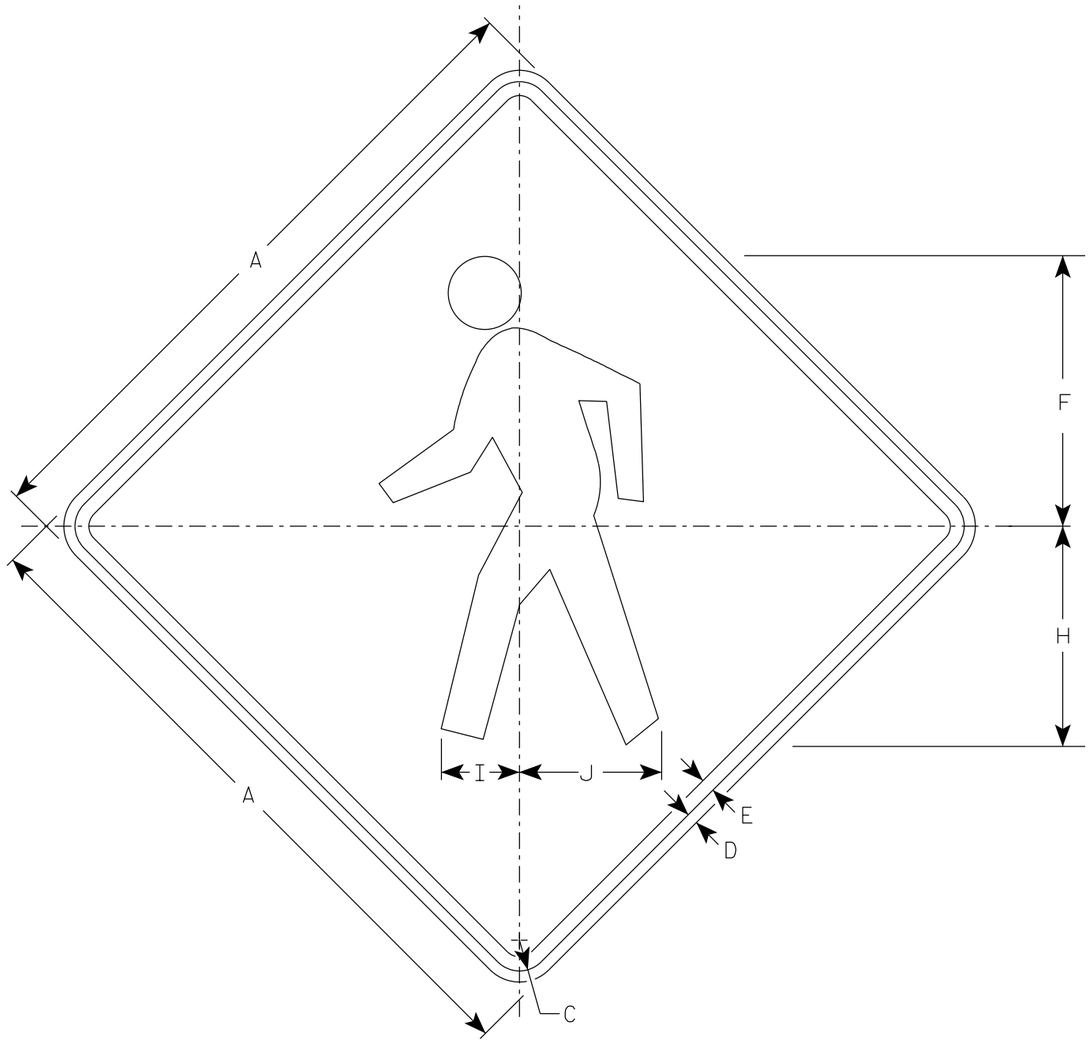
STANDARD SIGN
W06-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 564 W06-3.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



WO11-2

NOTES

1. Sign is Type II - Type F Reflective
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	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
2S	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
2M	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
3	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
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

WO11-2

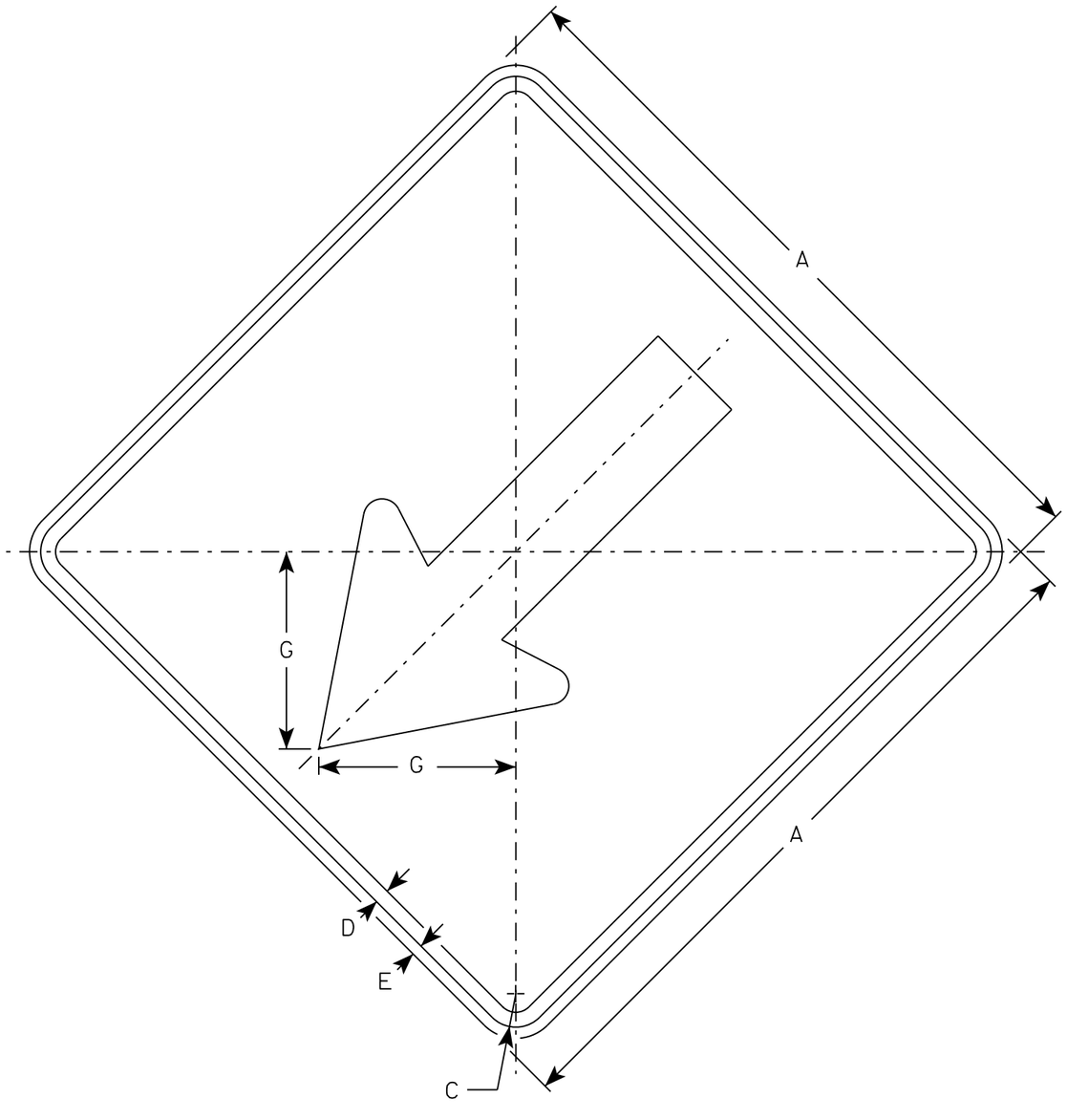
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 4/8/2020 PLATE NO. WO11-2.1

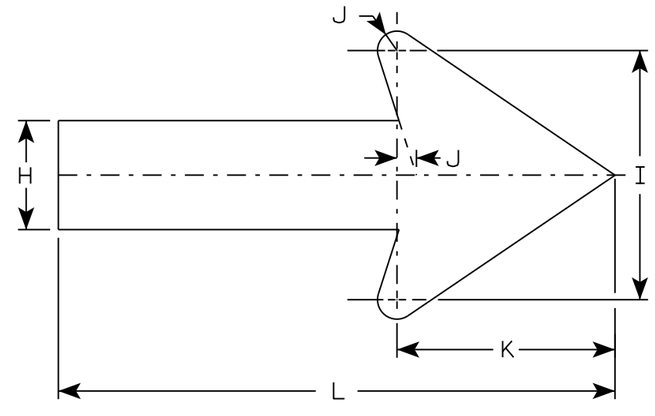
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 565	E



WO12-1

NOTES

1. Sign is Type II - Type F Reflective
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	24		1 1/8	1/2	3/8		6 5/8	3 1/2	8	5/8	7	18															4
2S	24		1 1/8	1/2	3/8		6 5/8	3 1/2	8	5/8	7	18															4
2M	24		1 1/8	1/2	3/8		6 5/8	3 1/2	8	5/8	7	18															4
3	30		1 3/8	5/8	1/2		8 1/4	4 3/8	10	3/4	8 3/4	22 3/8															6.25
4	36		1 3/4	3/4	5/8		10 3/8	5 1/2	12 1/2	1	11	27 7/8															9.0
5	36		1 3/4	3/4	5/8		10 3/8	5 1/2	12 1/2	1	11	27 7/8															9.0

STANDARD SIGN
WO12-1

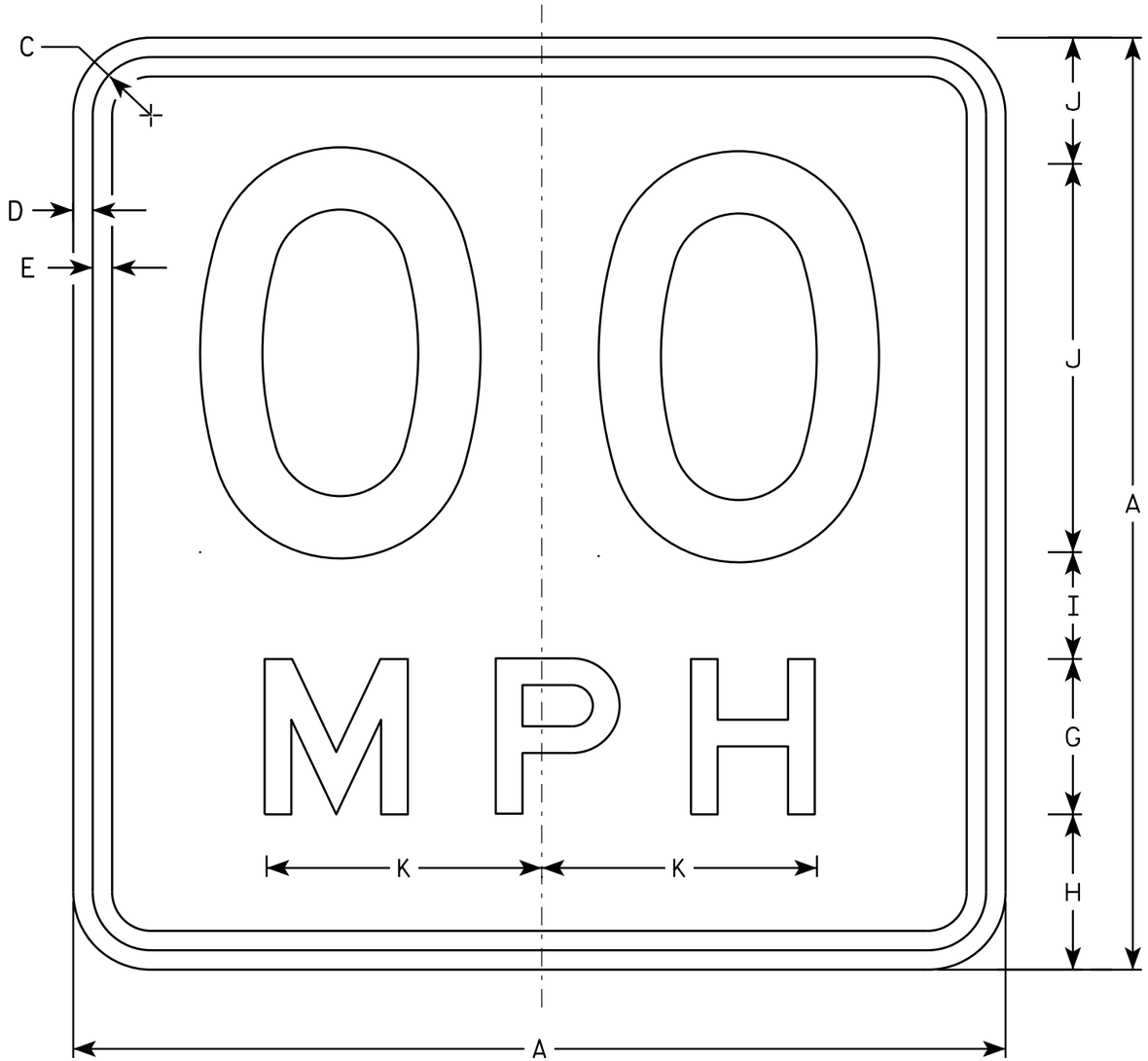
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/26/16 PLA 566 WO12-1.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\WO121.DGN PLOT DATE : 11-AUG-2016 11:29 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864607:1.000000



W013-1

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. 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	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	7 1/8																4.00
2S	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
2M	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
3	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
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

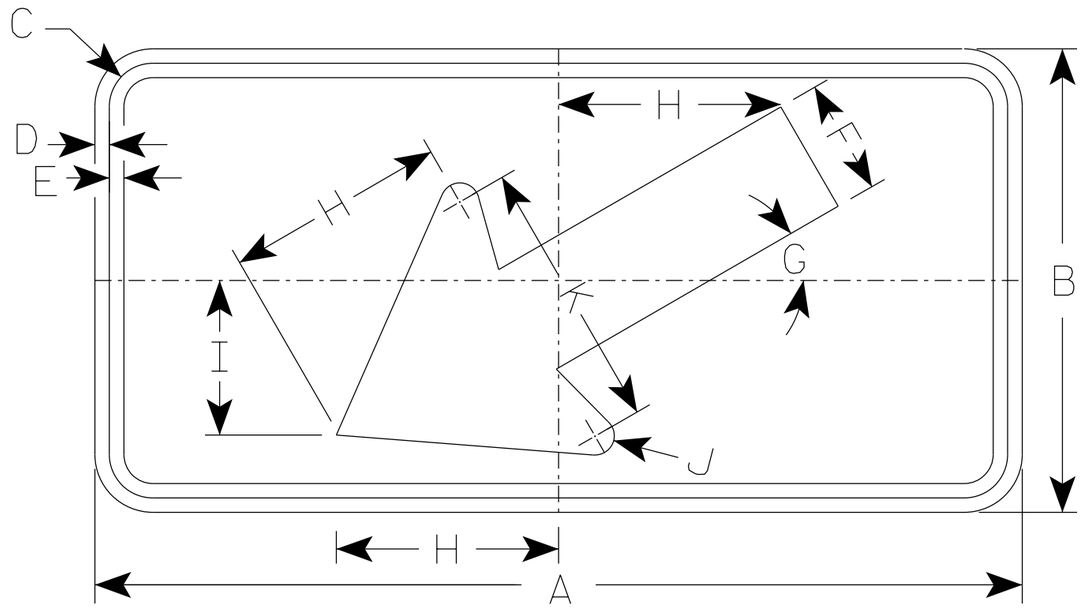
STANDARD SIGN
W013-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/21/13 PLATE 567 W013-1.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W016-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded but corners shall be rounded when base material is metal.
4. W016-7R is the same as W016-L 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	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
2S	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
2M	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
3	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
4	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
5	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0

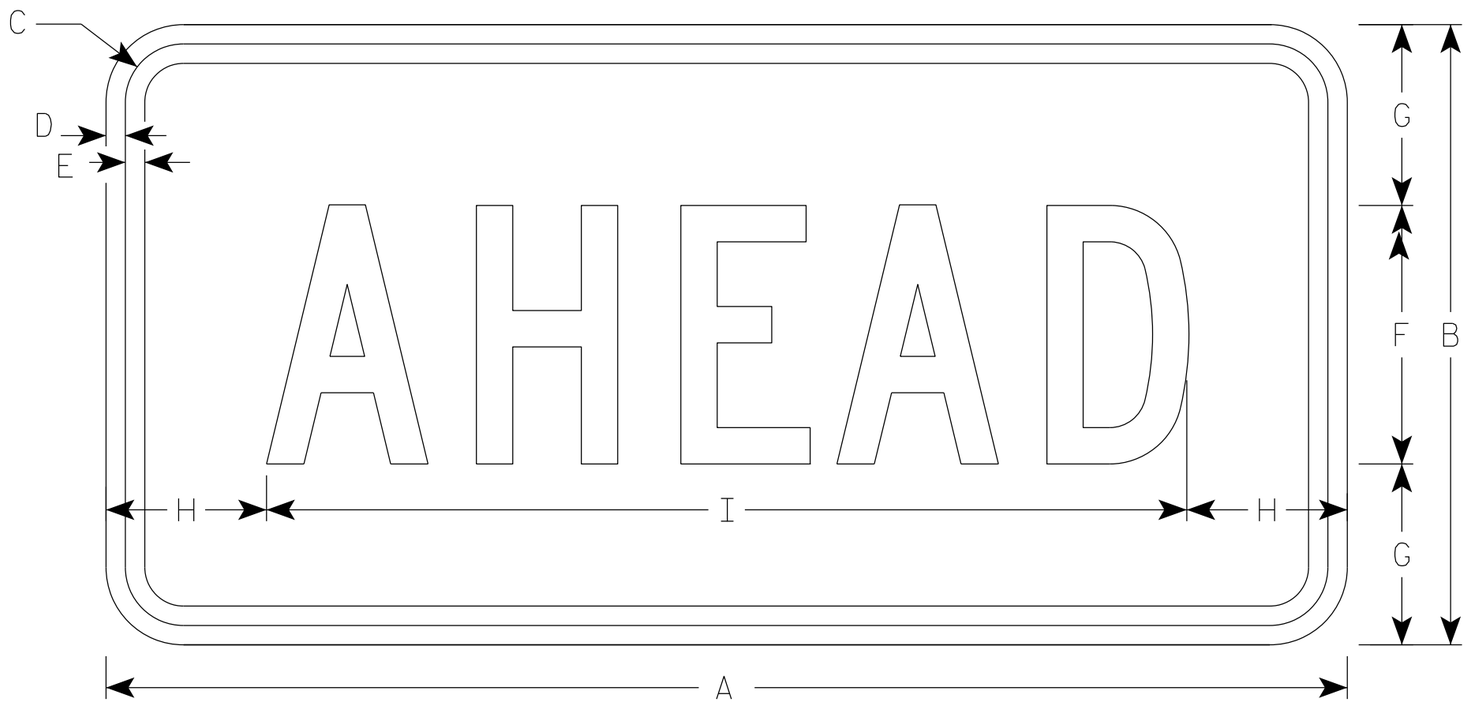
STANDARD SIGN
W016-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/2021 PLATE NO. W016-7.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 568	E



W016-9P

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.

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 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2S	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
2M	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
3	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0

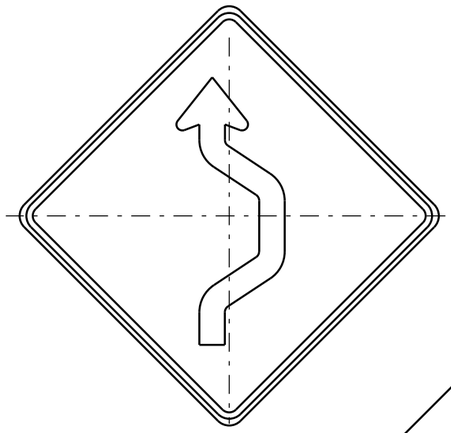
STANDARD SIGN
W016-9P

WISCONSIN DEPT OF TRANSPORTATION

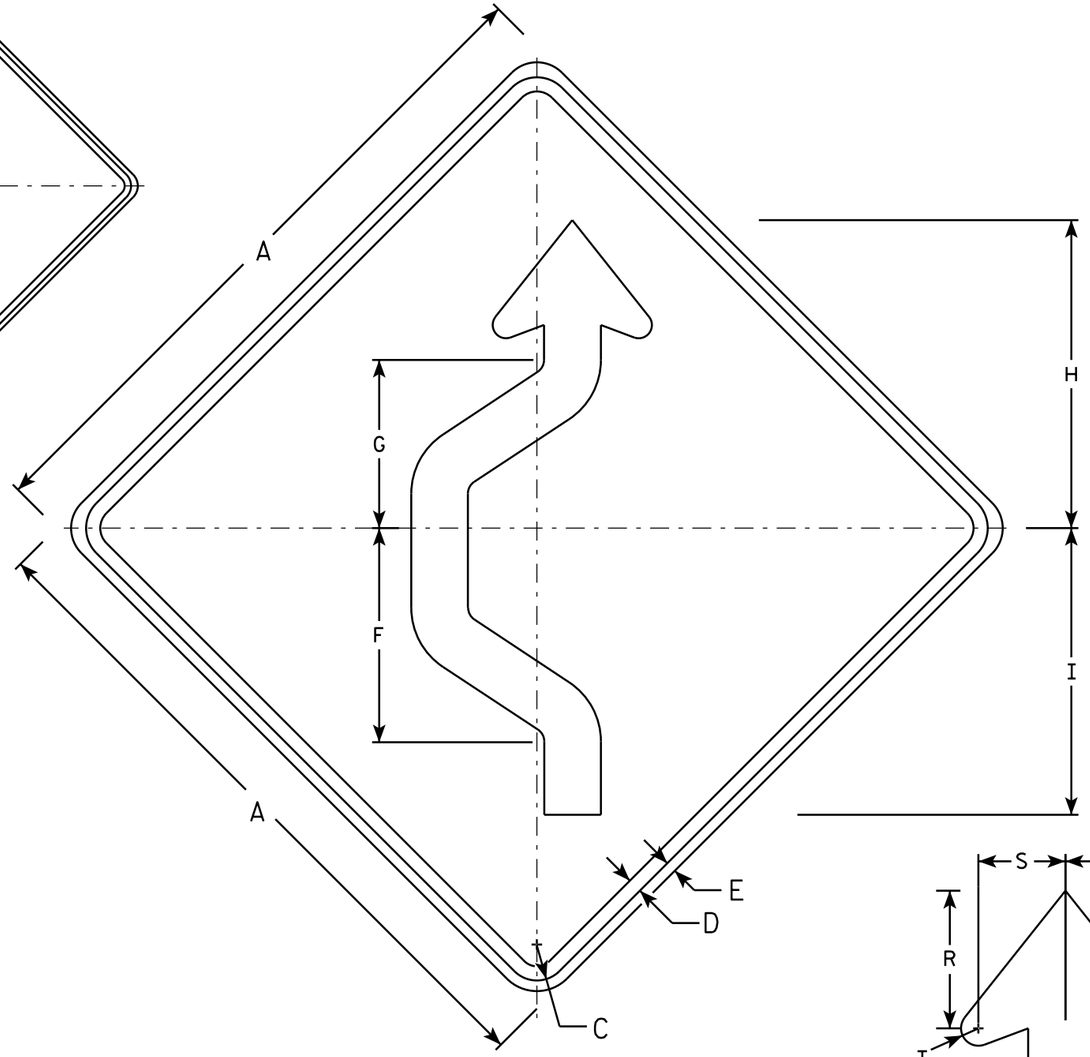
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/1/19 PLATE NO. W016-9P.7

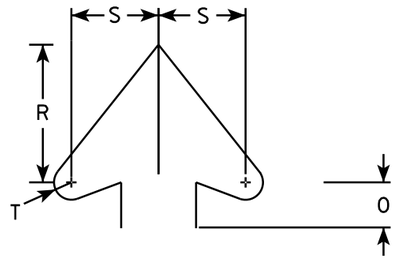
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 569 | E



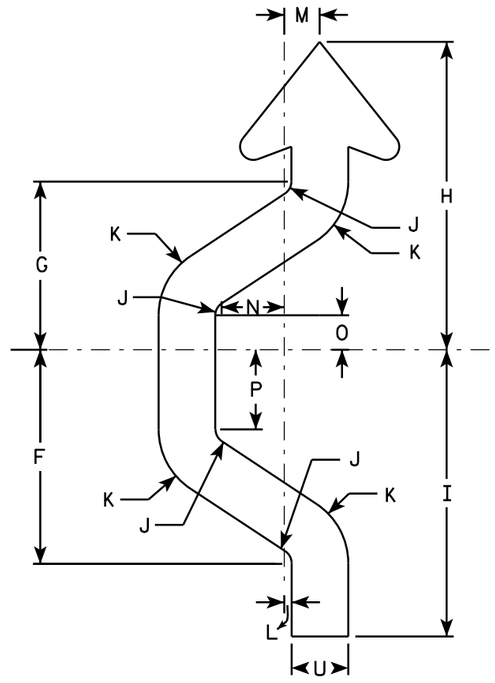
W024-1R



W024-1L



Arrowhead Detail



Arrow Detail

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. W024-1R is the same as W024-1L except 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 3/8	5/8	1/2	11 3/8	8 7/8	16 3/8	15 1/4	3/4	3 3/4	3/8	2	3 3/8	1 7/8	4 1/4		5 1/2	3 1/2	5/8	3						9
2S	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
2M	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
3	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
4	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
5	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16

STANDARD SIGN
W024-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

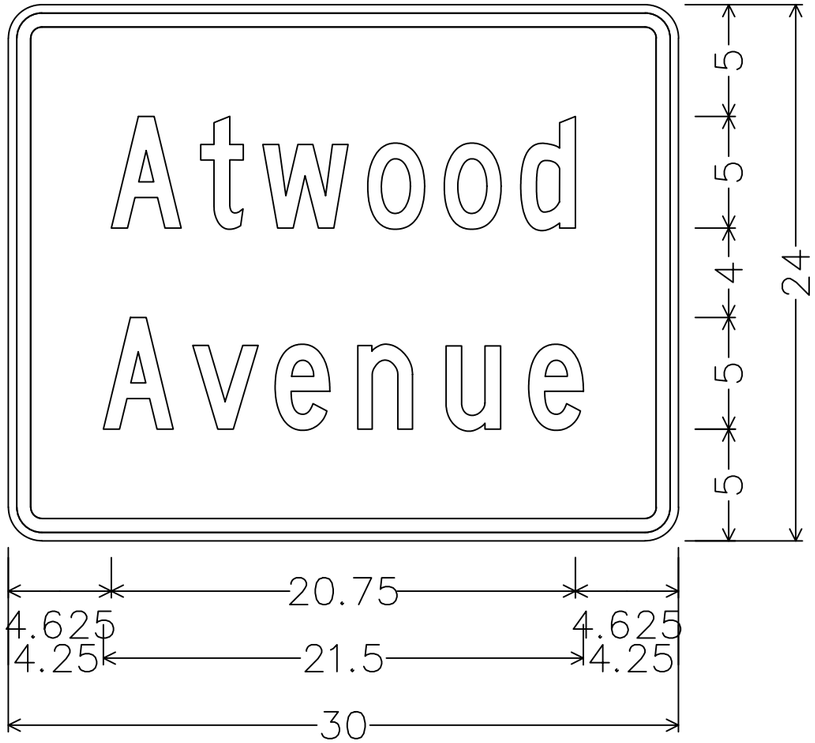
DATE 9/25/2013 PLATE W024-1.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W0241.DGN PLOT DATE : 25-SEP-2013 13:08 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 10.702132:1.000000 WISDOT/CADDS SHEET 42

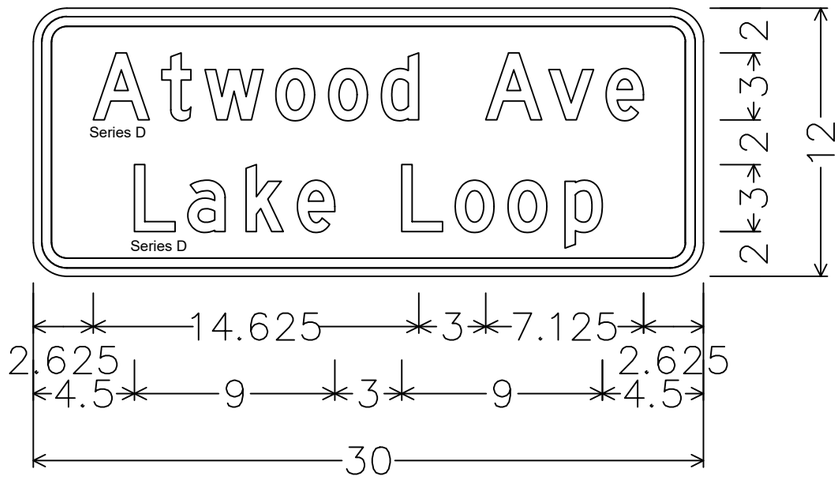
NOTES:

1. SIGN IS TYPE II - TYPE F REFLECTIVE - REFERENCE "WISDOT STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION" LATEST EDITION.
2. COLOR
   BACKGROUND - ORANGE
   MESSAGE - BLACK
3. MESSAGE SERIES - C, UNLESS OTHERWISE NOTED

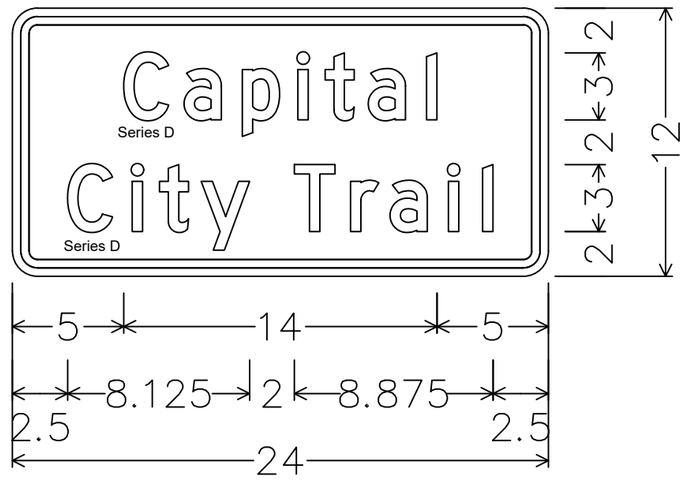


1.500" Radius, 0.625" Border, 0.375" Indent

1.500" Radius, 0.500" Border, 0.375" Indent



1.500" Radius, 0.500" Border, 0.375" Indent



1.125" Radius, 0.375" Border, 0.375" Indent

7

7

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	SPECIAL SIGN PLATES	SHEET 571	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\070101_SD.DWG
LAYOUT NAME - 070101_sd_01

PLOT DATE : 9/14/2022 1:10 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : Custom

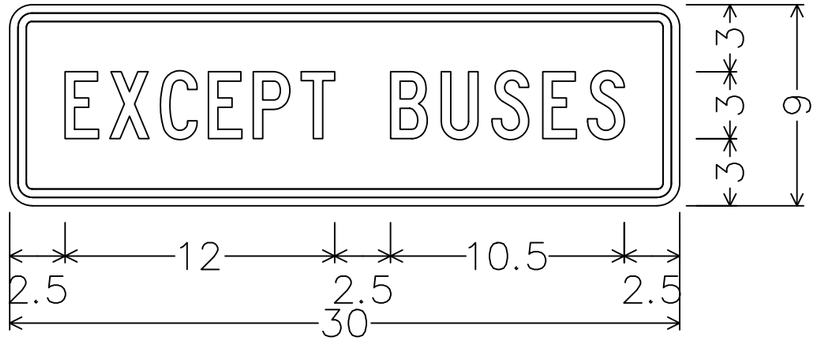
WISDOT/CADDS SHEET

NOTES:

1. SIGN IS TYPE II - TYPE H REFLECTIVE - REFERENCE "WISDOT STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION" LATEST EDITION.

2. COLOR
   BACKGROUND - WHITE
   MESSAGE - BLACK

3. MESSAGE SERIES - C



1.000" Radius, 0.375" Border, 0.375" Indent

7

7

PROJECT NO: 5992-10-16	HWY: ATWOOD AVENUE	COUNTY: DANE	SPECIAL SIGN PLATES	SHEET 572	E

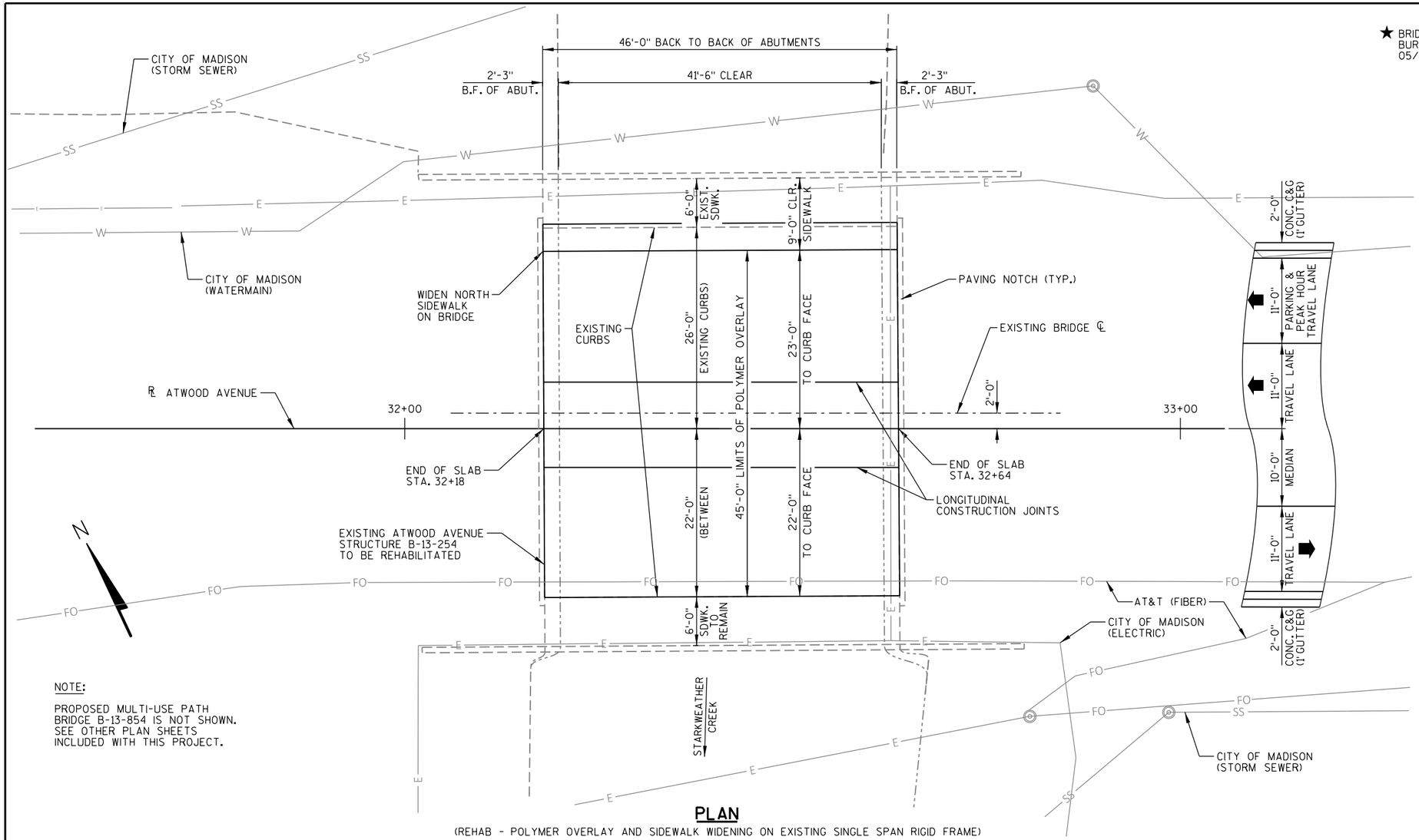
FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\070101_SD.DWG
LAYOUT NAME - 070101_sd_02

PLOT DATE : 9/14/2022 1:10 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : Custom

WISDOT/CADDS SHEET

STATE PROJECT NUMBER
5992-10-16

★ BRIDGE RE-RATED BY WISDOT BUREAU OF STRUCTURES, 05/01/2019

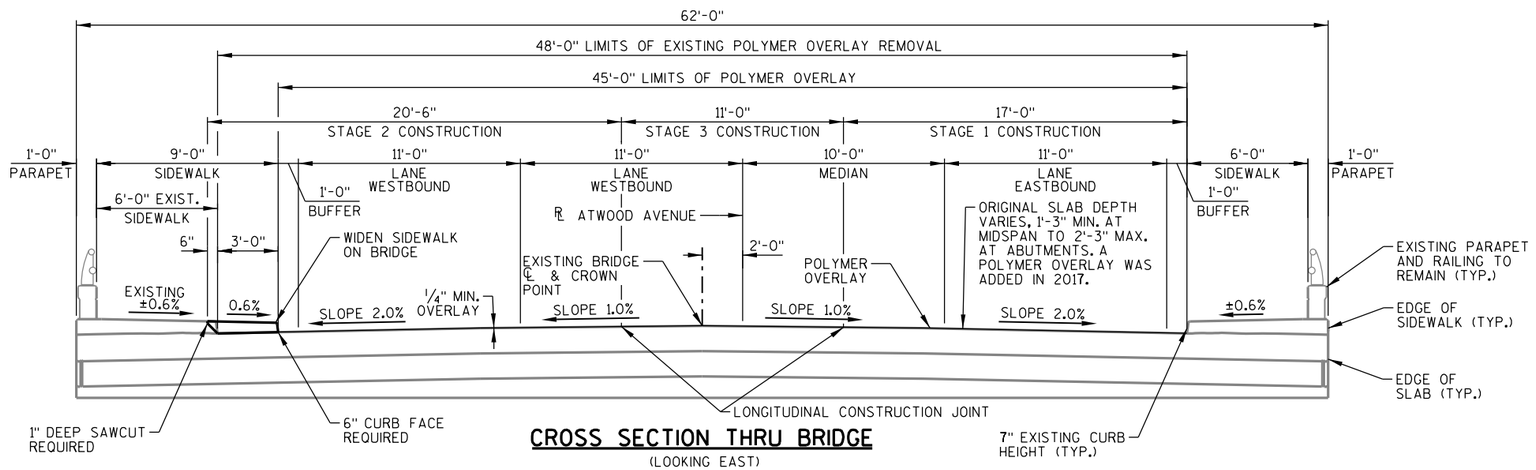


NOTE:

PROPOSED MULTI-USE PATH BRIDGE B-13-854 IS NOT SHOWN. SEE OTHER PLAN SHEETS INCLUDED WITH THIS PROJECT.

PLAN

(REHAB - POLYMER OVERLAY AND SIDEWALK WIDENING ON EXISTING SINGLE SPAN RIGID FRAME)



CROSS SECTION THRU BRIDGE

(LOOKING EAST)

DESIGN DATA

LIVE LOAD:

- DESIGN LOADING: H20★
- INVENTORY RATING: HS19★
- OPERATING RATING: HS33★
- WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS.★

TRAFFIC DATA: ATWOOD AVENUE

- A.A.D.T. (2023) = 17,800
- A.A.D.T. (2043) = 18,950
- R.D.S. = 35 MPH

MATERIAL PROPERTIES:

- CONCRETE MASONRY - BRIDGE ——— f'c = 4,000 P.S.I.
- CONCRETE MASONRY - DECK REPAIR ——— f'c = 4,000 P.S.I.
- HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60 ——— fy = 60,000 P.S.I.

LIST OF DRAWINGS

1. GENERAL PLAN & CROSS SECTION
2. SIDEWALK DETAILS, QUANTITIES & GENERAL NOTES

WISCONSIN
JOSHUA R. SWENO
E-44384
WAUNAKEE
WI
PROFESSIONAL ENGINEER

7/12/2022

CONSULTANT DESIGN CONTACT:
JOSHUA SWENO
(608) 355-8852

BRIDGE OFFICE CONTACT:
AARON BONK
(608) 261-0261

NO.	DATE	REVISION	BY

MSA
ENGINEERING | ARCHITECTURE | SURVEYING
FUNDING | PLANNING | ENVIRONMENTAL
1702 PANKRATZ STREET, MADISON WI 53704
(608) 242-7779 www.msa-ps.com

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED SDR 09/14/22
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-254

ATWOOD AVENUE OVER STARKWEATHER CREEK

COUNTY	TOWN/CITY/VILLAGE
DANE	MADISON

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
JZ	JRS	RLR	JZ

GENERAL PLAN & CROSS SECTION

SHEET 1 OF 2
573

8

8

FILE= 373071_B1.DGN

373071_B1.dgn 7/12/2022 3:16:58 PM rrabska

STATE PROJECT NUMBER
5992-10-16

TOTAL ESTIMATED QUANTITIES

ALL ITEMS ARE CATEGORY 0090

	ITEM NUMBER	BID ITEM	UNIT	TOTAL
	502.0100	CONCRETE MASONRY BRIDGES	CY	3
	502.3200	PROTECTIVE SURFACE TREATMENT	SY	21
	502.4204	ADHESIVE ANCHORS NO. 4 BAR	EACH	64
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	210
*	509.0301	PREPARATION DECKS TYPE 1	SY	12
*	509.0302	PREPARATION DECKS TYPE 2	SY	6
*	509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	LF	112
*	509.0500	CLEANING DECKS	SY	16
*	509.2000	FULL-DEPTH DECK REPAIR	SY	1
	509.2100.S	CONCRETE MASONRY DECK REPAIR	CY	3
	509.5100.S	POLYMER OVERLAY	SY	230
	509.9015.S.01	REMOVING POLYMER OVERLAY B-13-254	SY	246
	690.0250	SAWING CONCRETE	LF	46

* QUANTITY LISTED IS AN ESTIMATE BASED ON NOTES FROM THE MOST RECENT INSPECTION REPORT. THE CONTRACTOR SHALL COORDINATE THE FIELD IDENTIFICATION OF ALL DECK REPAIR LOCATIONS WITH THE ENGINEER.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

SEE ROAD PLANS FOR TRAFFIC CONTROL.

THE FIRST DIGIT OF A BAR MARK SIGNIFIES THE BAR SIZE.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.

THIS PROJECT WILL REHABILITATE THE EXISTING STRUCTURE, B-13-254, A 46 FOOT LONG, SINGLE SPAN, RIGID FRAME STRUCTURE. IMPROVEMENTS INCLUDE REMOVAL OF THE EXISTING POLYMER OVERLAY, WIDENING THE NORTH SIDEWALK, DECK REPAIRS, AND A POLYMER OVERLAY.

WORK TO ADD SIDEWALK AS SHOWN INCLUDES CLEANING DECKS, SAWING CONCRETE, CONCRETE MASONRY BRIDGES, ADHESIVE ANCHORS, BAR STEEL REINFORCEMENT AND PROTECTIVE SURFACE TREATMENT. PROTECTIVE SURFACE TREATMENT SHALL BE APPLIED TO THE TOP OF THE NEW PORTION OF THE NORTH SIDEWALK AND NORTH SIDEWALK CURB FACE.

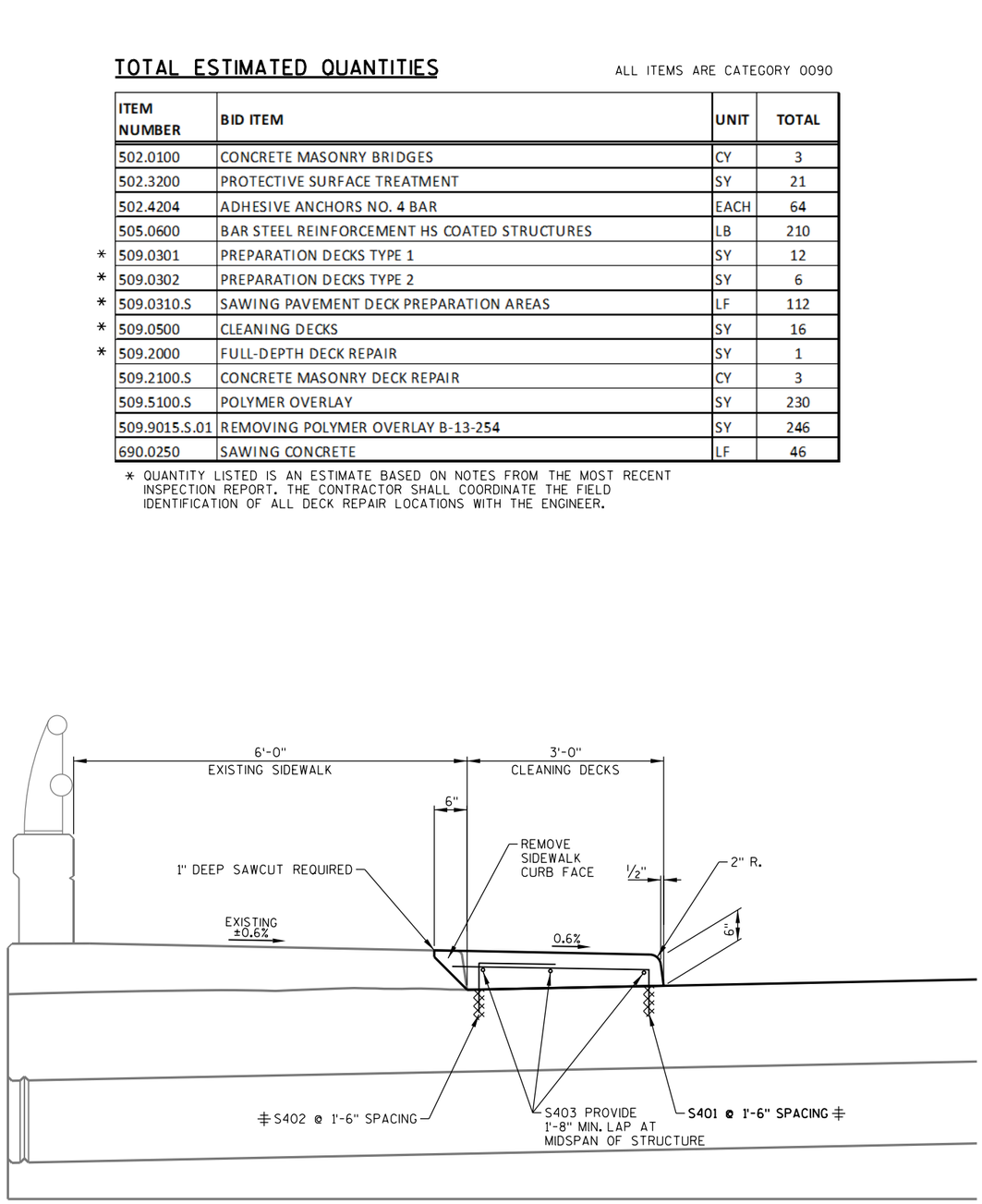
DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

AREAS OF "PREPARATION DECKS TYPE 1" SHALL BE DEFINED BY A SAW CUT.

PREPARATION DECKS TYPE 1, PREPARATION DECKS TYPE 2, AND FULL-DEPTH DECK REPAIR AREAS ARE BASED ON THE PLANS AND AS DETERMINED BY THE ENGINEER. DECK PREPARATION AND FULL-DEPTH DECK REPAIRS SHALL BE FILLED WITH "CONCRETE MASONRY DECK REPAIR".

DECK REPAIRS SHALL BE FILLED PRIOR TO OVERLAY PLACEMENT. DECK REPAIRS USING A PORTLAND CEMENT BASED CONCRETE REQUIRES A MINIMUM CURE TIME OF 28 DAYS PRIOR TO OVERLAY PLACEMENT.

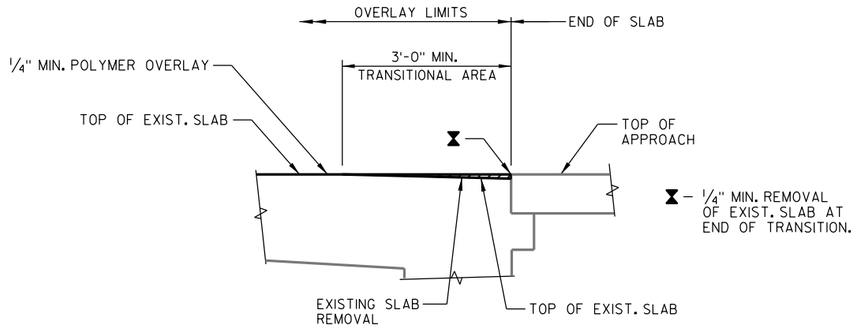
SHOT BLASTING, DECK SURFACE PREPARATIONS, AND TRANSITIONAL AREAS ARE INCLUDED IN THE BID ITEM "POLYMER OVERLAY".



SIDEWALK DETAIL

(LOOKING EAST)

‡ ADHESIVE ANCHORS NO. 4 BAR
EMBED 5" IN CONCRETE
ANCHORS SHALL BE APPROVED
FOR USE IN CRACKED CONCRETE.



SECTION THRU ABUTMENT TRANSITIONAL AREA ON SLAB

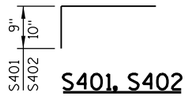
(REMOVAL AND OVERLAY THICKNESS NOT TO SCALE)

NOTE: TRANSITIONAL AREA REQUIRED IF CONCRETE PAVEMENT APPROACH SLABS ARE PLACED PRIOR TO POLYMER OVERLAY PLACEMENT.

BILL OF BARS (COATED) 210 LBS.

	MARK	NO. REQ'D.	LENGTH	BENT	LOCATION
‡	S401	32	3'-8"	X	SIDEWALK @ EDGE - TRANS.
‡	S402	32	1'-11"	X	SIDEWALK @ EXIST. - TRANS.
	S403	6	23'-8"		SIDEWALK - LONGIT.

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.
EPOXY COAT ALL SUPERSTRUCTURE BAR STEEL REINFORCEMENT.



S401, S402

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-254

DRAWN BY RLR | PLANS CK'D. JZ

SIDEWALK DETAILS, QUANTITIES & GENERAL NOTES

SHEET 2 OF 2
574

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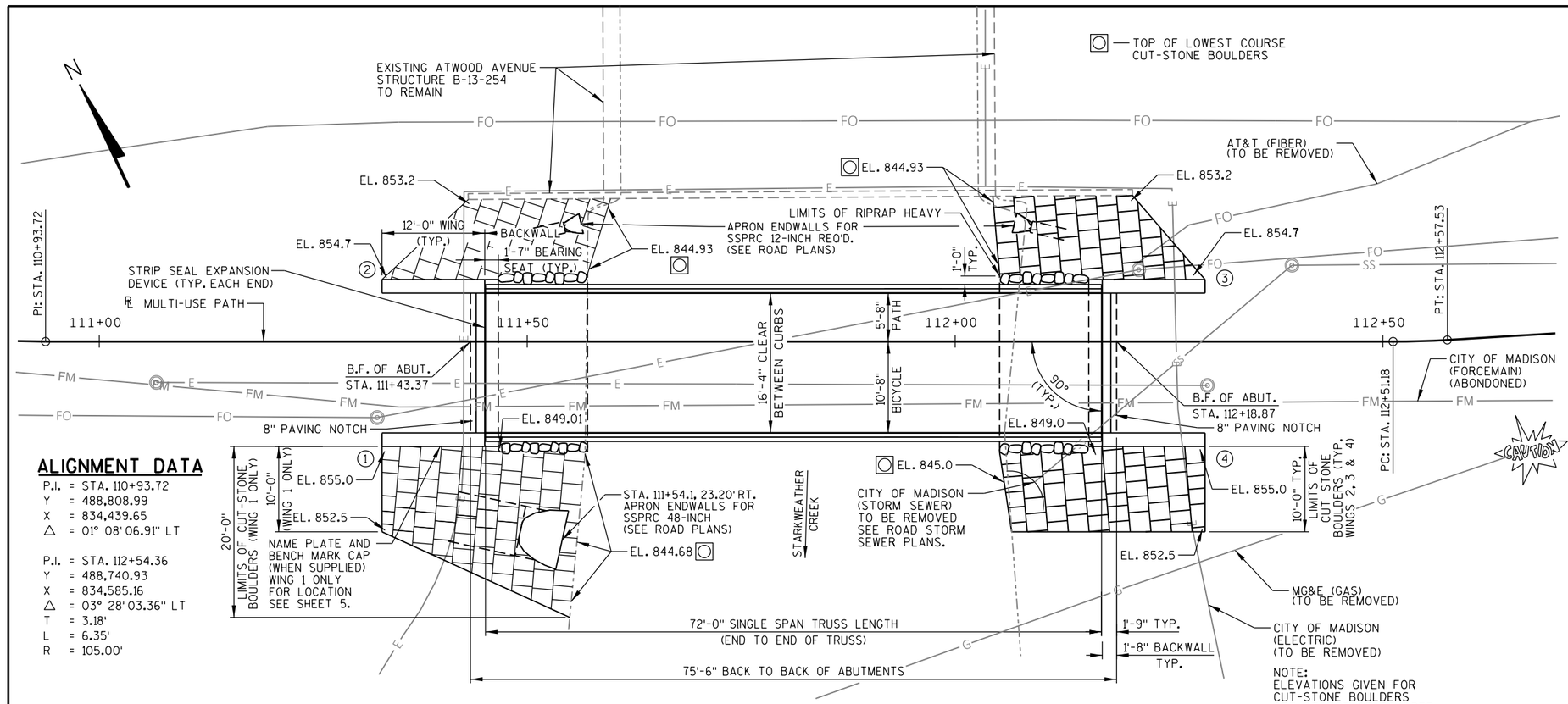
STATE PROJECT NUMBER

5992-10-17



PLAN

(SINGLE SPAN PREFABRICATED STEEL TRUSS)

ALIGNMENT DATA

P.I. = STA. 110+93.72
Y = 488,808.99
X = 834,439.65
△ = 01° 08' 06.91" LT

P.I. = STA. 112+54.36
Y = 488,740.93
X = 834,585.16
△ = 03° 28' 03.36" LT
T = 3.18'
L = 6.35'
R = 105.00'

DESIGN DATA

LIVE LOAD:

DESIGN LOADING : 90 PSF PEDESTRIAN OR 20,000 LB MAINTENANCE VEHICLE (H10)

MATERIAL PROPERTIES:

CONCRETE MASONRY, DECK — $f'c$ = 4,000 P.S.I.
ALL OTHER — $f'c$ = 3,500 P.S.I.
HIGH-STRENGTH BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.

FOUNDATION DATA:

ABUTMENTS TO BE SUPPORTED ON PILING CIP CONCRETE 10¾ X 0.365-INCH. ABUTMENT PILING TO BE DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 150 TONS ✳ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED PILE LENGTHS ARE 90'-0" AT THE WEST ABUTMENT, AND 90'-0" AT THE EAST ABUTMENT.

✳ THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

HYDRAULIC DATA:

100 YEAR FREQUENCY

DRAINAGE AREA	21.6 SQ. MI.
Q_{100}	1,472 C.F.S.
VELOCITY	6.34 FT./SEC.
WATERWAY AREA	232 SQ. FT.
SCOUR CRITICAL CODE	8
HIGH WATER $_{100}$ ELEVATION	846.64
Q_2 ELEVATION (500 C.F.S.)	846.24
Q_2 VELOCITY	2.16 FT./SEC.

PATH OVERFLOW DESIGN FREQUENCY

OVERTOPPING FREQUENCY	> 100 YEARS

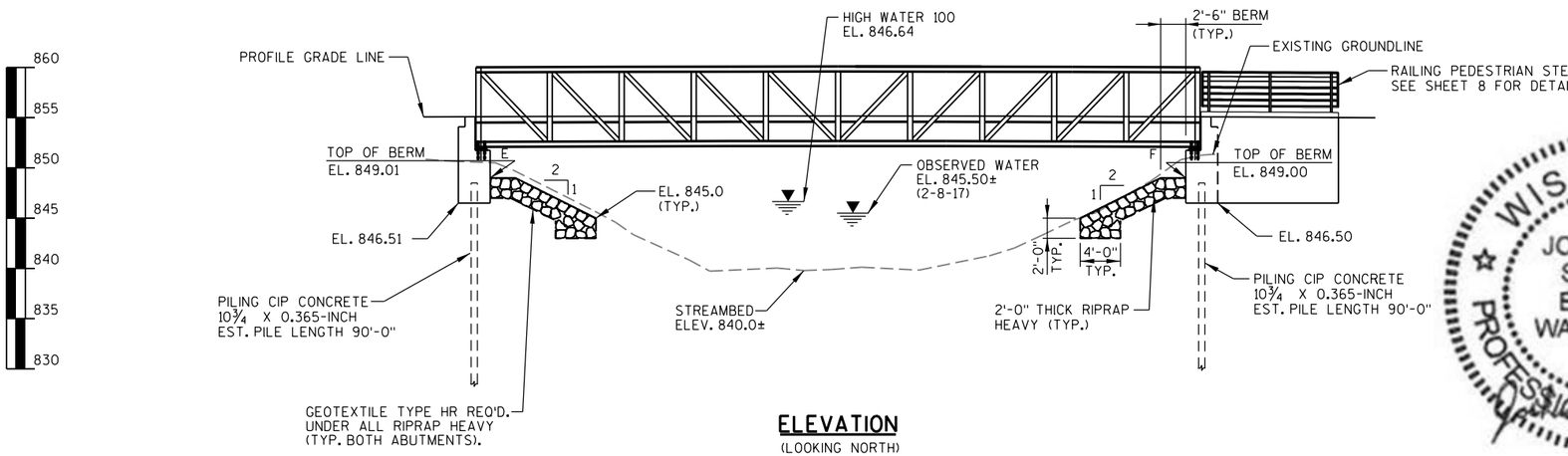
LAKE MONONA 100 YEAR

HIGH WATER $_{100}$ ELEVATION	847.7

NOTE:
ELEVATIONS GIVEN FOR CUT-STONE BOULDERS ARE AT TOP OF BOULDER. HEIGHT OF LOWEST COURSE TO BE 1'-0" MIN.

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION, QUANTITIES & NOTES
3. SUBSURFACE EXPLORATION
4. WEST ABUTMENT
5. WEST ABUTMENT DETAILS
6. EAST ABUTMENT
7. EAST ABUTMENT DETAILS
8. RAILING PEDESTRIAN STEEL
9. EXPANSION DEVICE



ELEVATION

(LOOKING NORTH)

CONSULTANT DESIGN CONTACT:
JOSHUA SWENO
(608) 355-8852

BRIDGE OFFICE CONTACT:
AARON BONK
(608) 261-0261

NO.	DATE	REVISION	BY

MSA
ENGINEERING | ARCHITECTURE | SURVEYING
FUNDING | PLANNING | ENVIRONMENTAL
1702 PANKRATZ STREET, MADISON WI 53704
(608) 242-7779 www.msa-ps.com

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED SDR 09/13/22
CHIEF STRUCTURES DESIGN ENGINEER — DATE

WISCONSIN
JOSHUA R. SWENO
E-44384
WAUNAKEE
WI
PROFESSIONAL ENGINEER

9/13/2022

STRUCTURE B-13-864

ATWOOD AVENUE PEDESTRIAN & BIKE PATH OVER STARKWEATHER CREEK

COUNTY: DANE
~~TOWN~~/CITY/~~VILLAGE~~: MADISON

DESIGN SPEC.: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
JZ	JRS	RLR	JZ

GENERAL PLAN

SHEET 1 OF 9
575

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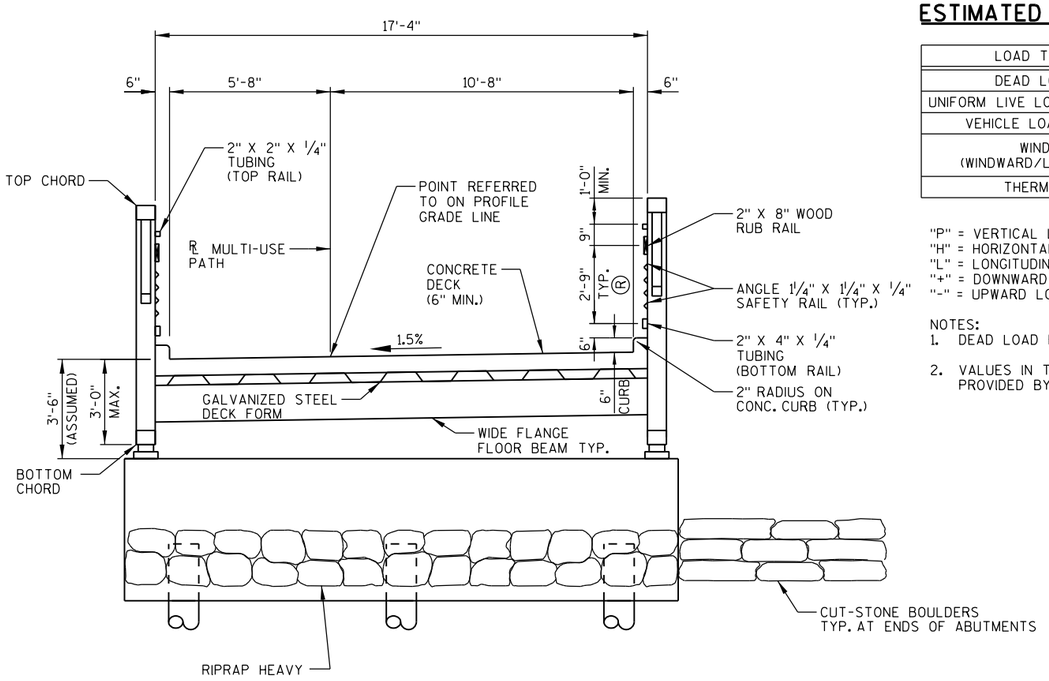


CROSS SECTION THRU BRIDGE

(LOOKING EAST)

ESTIMATED STEEL TRUSS BRIDGE REACTIONS

LOAD TYPE	P (LBS)	H (LBS)	L (LBS)
DEAD LOAD	+29,100	-	-
UNIFORM LIVE LOAD (90 PSF)	+28,100	-	-
VEHICLE LOAD (H10)	+13,700	-	-
WIND (WINDWARD/LEEWARD)	-9,300 / +3,300	11,700	TBD
THERMAL	-	-	4,100

"P" = VERTICAL LOAD AT EACH BASE PLATE (4 PER BRIDGE).
"H" = HORIZONTAL LOAD AT EACH ABUTMENT (2 PER BRIDGE).
"L" = LONGITUDINAL LOAD AT EACH BASE PLATE (4 PER BRIDGE).
"+" = DOWNWARD LOAD
"-" = UPWARD LOAD

NOTES:
1. DEAD LOAD REACTION INCLUDES WEIGHT OF CONCRETE DECK.
2. VALUES IN THIS TABLE ARE ESTIMATES. ACTUAL VALUES SHALL BE PROVIDED BY THE PREFEBRICATED BRIDGE MANUFACTURER.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BEVEL EXPOSED EDGES OF CONCRETE 3/4" UNLESS OTHERWISE NOTED.

THE FIRST DIGIT OF A THREE DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.

PREFABRICATED STEEL TRUSS PEDESTRIAN BRIDGE, INCLUDING ALL HORIZONTAL STEEL RAILS, TO BE FABRICATED WITH WEATHERING STEEL.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH RIPRAP HEAVY AND GEOTEXTILE TYPE HR TO THE LIMITS SHOWN ON SHEET 1 AND ON THE ABUTMENT SHEETS OR AS DIRECTED BY THE ENGINEER. THE AREAS OUTSIDE THE WINGS AND ENDS OF ABUTMENTS SHALL BE COVERED WITH CUT-STONE BOULDERS TO THE LIMITS SHOWN ON SHEET 1 OR AS DIRECTED BY THE ENGINEER.

THE EXISTING GROUNDLINE SHALL BE THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES" FOR THE ABUTMENTS.

(B) BACKFILL PAY LIMITS, BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

THE BACKFILL QUANTITIES ARE BASED ON THE PAY LIMITS SHOWN ON THE PLANS AND MAY NOT REFLECT ACTUAL PLACED QUANTITIES. "BACKFILL STRUCTURE TYPE A" REQUIRED DIRECTLY BEHIND ABUTMENTS AND ABUTMENT WINGS FOR 3 FEET. BACKFILL PLACED BEYOND PAY LIMITS OR EXCEEDING PLAN QUANTITIES SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES.

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT.

COFFERDAMS INCLUDED FOR THE PLACEMENT OF CUT-STONE BOULDERS AND STORM SEWER INSTALLATION BELOW NORMAL WATER SURFACE.

APPLY BRIDGE SEAT PROTECTION, AS PER SECTION 502.3.12 OF THE STANDARD SPECIFICATIONS, TO THE TOP SURFACE OF THE ABUTMENTS. PROTECTIVE SURFACE TREATMENT SHALL BE APPLIED TO THE TOP OF DECK, AND TO ALL EXPOSED FACES OF THE ABUTMENTS AND WINGS UNLESS OTHERWISE COVERED WITH BRIDGE SEAT PROTECTION.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO USGS NAVD 88 (2012 ADJUSTED).
BENCHMARK REFERENCES AT THE PROJECT SITE WERE SET BY THE CONSULTANT USING GPS TECHNOLOGY.

THE PREFABRICATED STEEL TRUSS PEDESTRIAN BRIDGE B-13-864 LRFD BID ITEM INCLUDES PREFABRICATED BRIDGE, STEEL AND WOOD RAILS, COVER PLATES, BEARING PLATES, PADS, BOLTS, ANCHOR BOLTS, GROUT, AND DECKING MATERIALS INCLUDING CONCRETE MASONRY DECK ACCORDING TO STD. SPEC. 502.2, CONCRETE QMP ACCORDING TO STD. SPEC. 715, AND COATED BAR STEEL REINFORCEMENT ACCORDING TO STD. SPEC. 505.2.4. BRIDGE RUB RAIL SHALL BE TREATED SOUTHERN YELLOW PINE NO. 1 (S4S) (E4E).

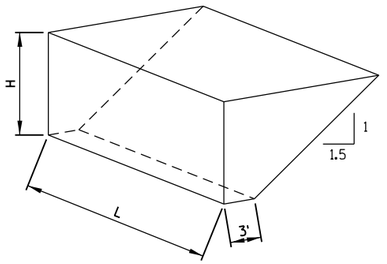
(R) SPACING AND ALIGNMENT OF HORIZONTAL RAILS SHALL MATCH THE SPACING AND ALIGNMENT OF RAILS ON THE WING TOPS. SEE SHEET 8 FOR DETAILS.

THE TRUSS SHALL BE ANCHORED TO THE ABUTMENTS IN A MANNER TO:
-ALLOW THERMAL MOVEMENTS ALONG THE C/L OF PATH AT THE WEST ABUTMENT.
-PREVENT HORIZONTAL TRANSLATION OF THE SUPERSTRUCTURE ALONG THE C/L OF PATH AT THE EAST ABUTMENT.
-PREVENT HORIZONTAL TRANSLATION OF THE SUPERSTRUCTURE PERPENDICULAR TO THE C/L OF THE PATH.

MINIMUM CAMBER FOR PREFABRICATED BRIDGE TO BE DETERMINED BY MANUFACTURER AND IN ACCORDANCE WITH THE SPECIFICATIONS. CAMBER FOR DEAD LOAD DEFLECTIONS ONLY.

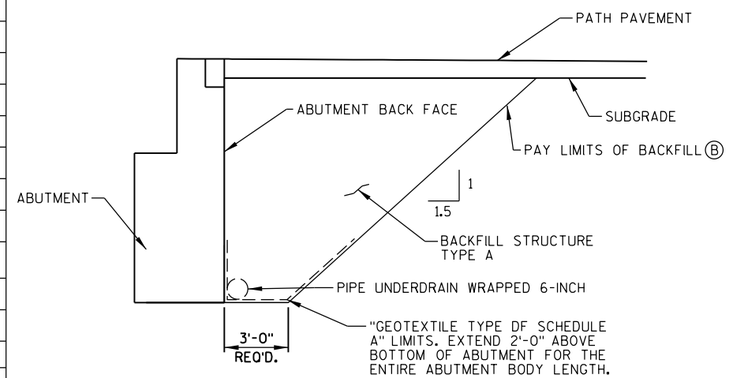
THE CONCRETE DECK SHALL BE DESIGNED AND REINFORCED TO SUPPORT DEAD AND LIVE LOADS WITHOUT CONTRIBUTION FROM THE DECK FORMING SYSTEM.

THE APPEARANCE OF THE TRUSS SHALL RESEMBLE WHAT IS SHOWN IN THE ELEVATION VIEW ON THE "GENERAL PLAN" SHEET, NUMBER OF PANELS MAY DIFFER FROM WHAT IS SHOWN.

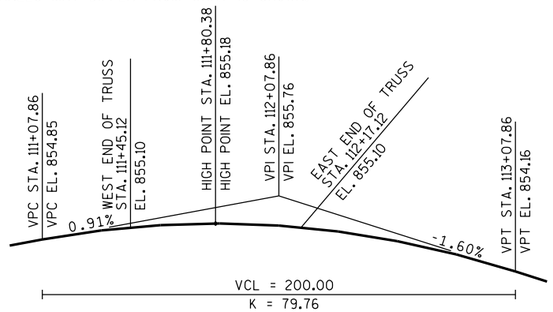


ABUTMENT BACKFILL DIAGRAM

L = OUT-TO-OUT OF ABUTMENT
H = AVERAGE ABUTMENT FILL HEIGHT
V_{CF} = (L)(3.0')(H)+(L)(0.5)(1.5H)(H)
V_{TON} = V_{CF} (2.0)/27



STRUCTURE BACKFILL DETAIL



PROFILE GRADE LINE - PATH R

TOTAL ESTIMATED QUANTITIES

ALL ITEMS ARE CATEGORY 0020

ITEM NUMBER	BID ITEM	UNIT	WEST ABUT.	EAST ABUT.	SUPER	TOTAL
206.1001.01	EXCAVATION FOR STRUCTURES BRIDGES B-13-864	EACH	–	–	–	1
206.5001	COFFERDAMS B-13-864	EACH	–	–	–	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	100	100	–	200
502.0100	CONCRETE MASONRY BRIDGES	CY	33.2	33.2	–	66
502.3101	EXPANSION DEVICE	LF	16.3	16.3	–	32.6
502.3200	PROTECTIVE SURFACE TREATMENT	SY	30	30	155	215
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	2365	2365	–	4730
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1355	1355	–	2710
506.8006.S.01	PREFABRICATED STEEL TRUSS PEDESTRIAN BRIDGE B-13-864 LRFD	EACH	–	–	1	1
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	7	7	–	14
550.2106	PILING CIP CONCRETE 10 3/4 X 0.365-INCH	LF	270	270	–	540
606.0300	RIPRAP HEAVY	CY	22	22	–	44
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	60	60	–	120
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	19	19	–	38
645.0120	GEOTEXTILE TYPE HR	SY	120	105	–	225
SPV.0090.01	RAILING PEDESTRIAN STEEL B-13-864	LF	24	24	–	48
SPV.0165.02	CUT-STONE BOULDERS	SF	258	218	–	476
	NON-BID ITEMS					
	BOND BREAKER					

STATE PROJECT NUMBER
5992-10-17

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-864

DRAWN BY RLR | PLANS CK'D. JZ

CROSS SECTION, QUANTITIES & NOTES

SHEET 2 OF 9
576

8

8

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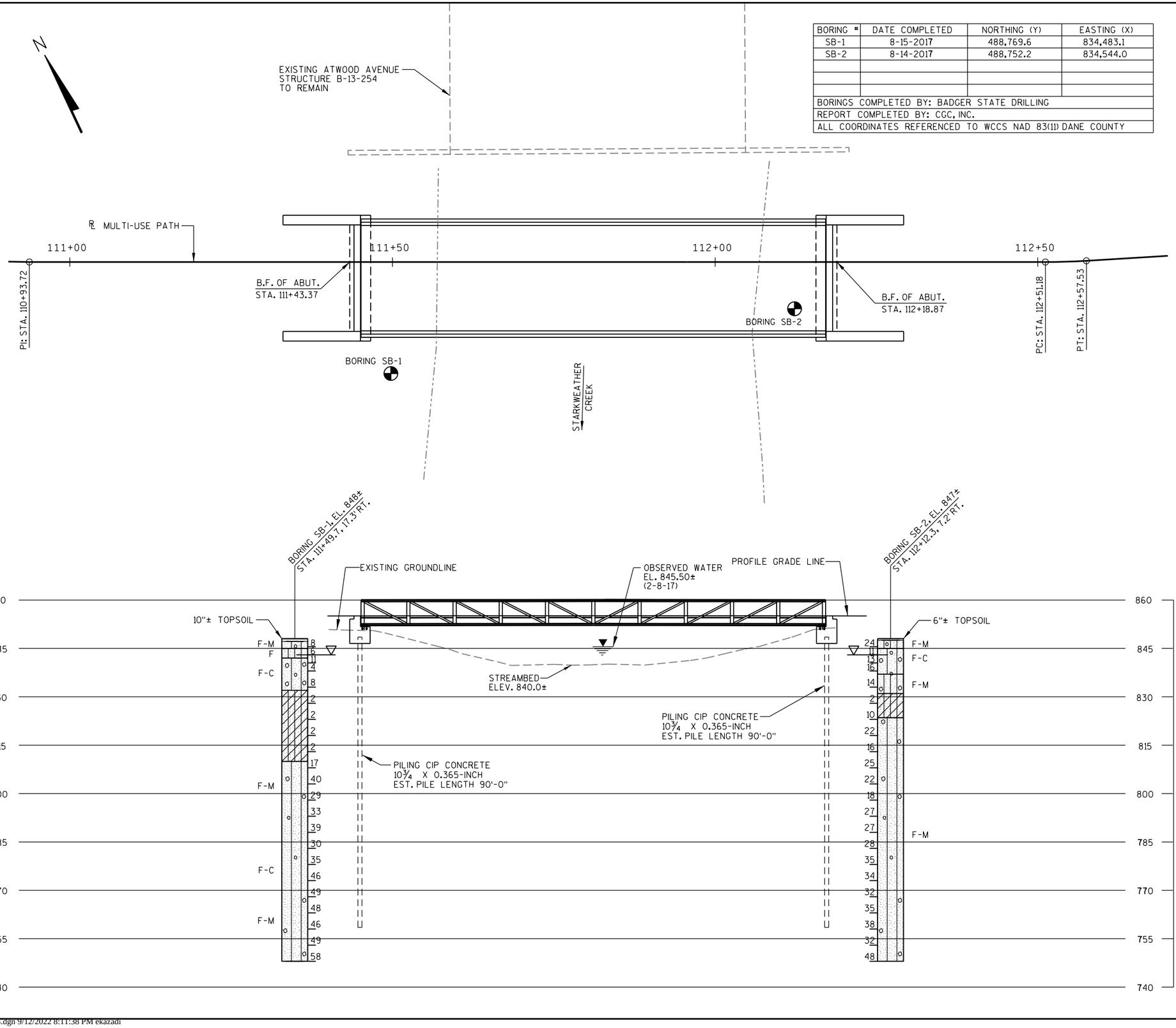
BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
SB-1	8-15-2017	488,769.6	834,483.1
SB-2	8-14-2017	488,752.2	834,544.0
BORINGS COMPLETED BY: BADGER STATE DRILLING			
REPORT COMPLETED BY: CGC, INC.			
ALL COORDINATES REFERENCED TO WCCS NAD 83(11) DANE COUNTY			



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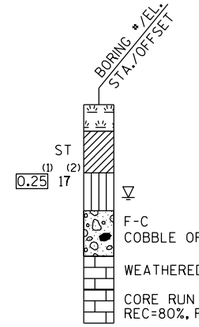
STATE PROJECT NUMBER

5992-10-17

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-13-864

DRAWN BY RLR | PLANS CK'D. JZ

SUBSURFACE EXPLORATION

SHEET 3 OF 9
577

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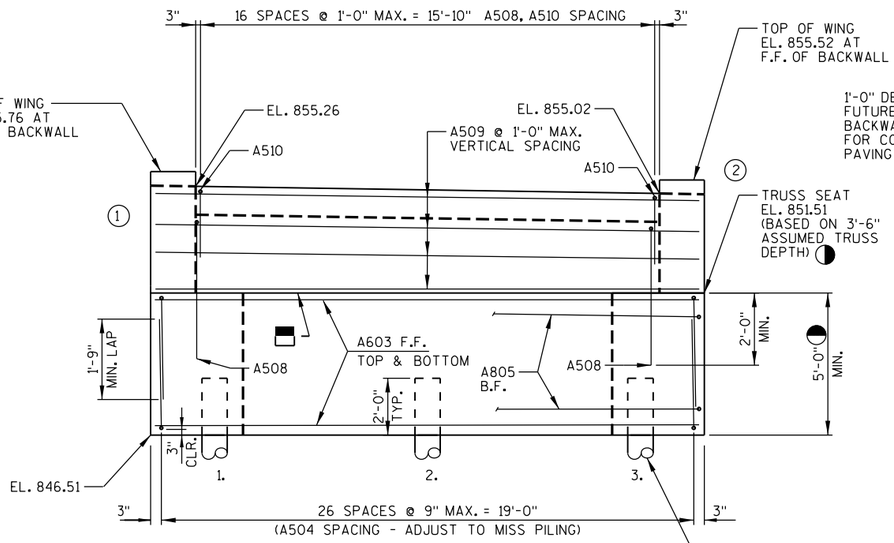
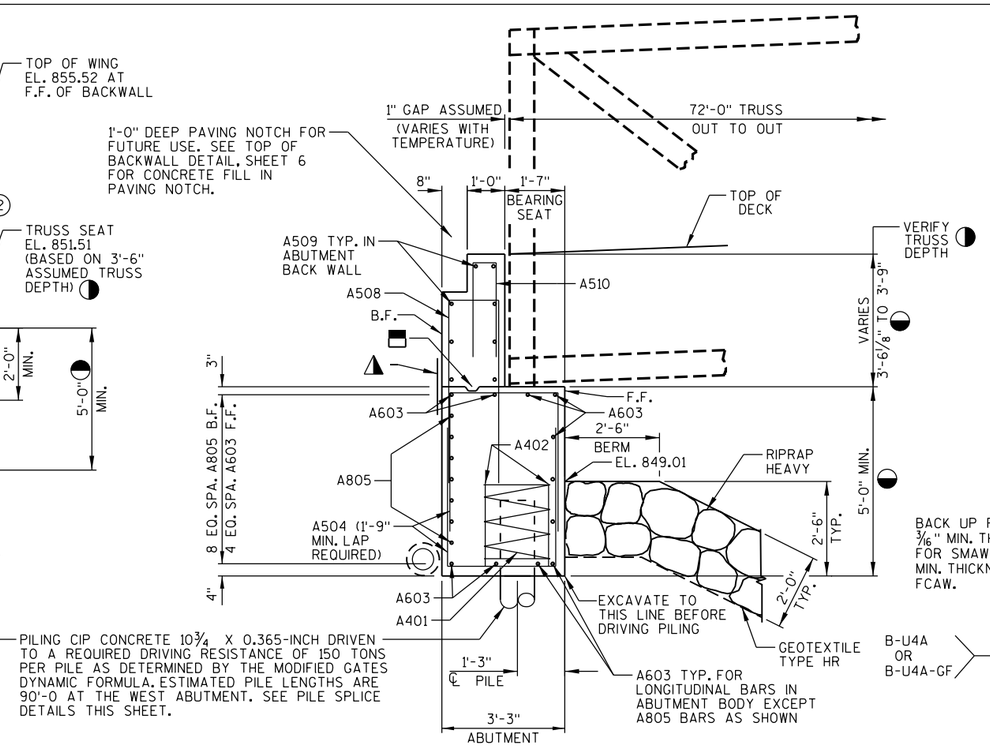
STATE PROJECT NUMBER

5992-10-17



ELEVATION

(LOOKING AT FRONT FACE OF ABUTMENT)



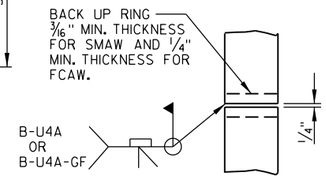
SECTION THRU ABUTMENT

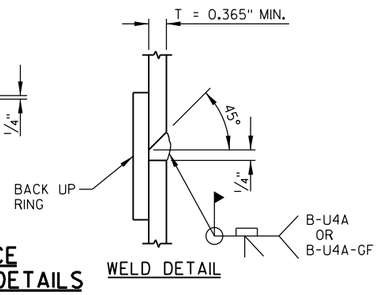
LEGEND

- ▭ – CONSTRUCTION JOINT FORMED BY BEVELED 2x6. PLACE ¾" BEVEL ON F.F. OF WINGS.
- ◑ – ABUTMENT BEARING SEAT ELEVATION IS DEPENDENT ON TRUSS DEPTH. ADJUST AS NEEDED. TOP OF PATH AND BERM ELEVATIONS SHALL NOT BE MODIFIED. MINIMUM ABUTMENT BODY HEIGHT SHALL NOT BE REDUCED.
- ◭ – HORIZONTAL 18" WIDE RUBBERIZED MEMBRANE WATERPROOFING. PLACE ON B.F. OF CONST. JOINT AS SHOWN.
- ◎ – PIPE UNDERDRAIN WRAPPED 6-INCH. EXTEND THRU GEOTEXTILE AT FACE OF RIPRAP HEAVY. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. PROVIDE RODENT PROTECTION AT ENDS OF PIPE, SEE RODENT SHIELD DETAIL, SHEET 6.

F.F. – FRONT FACE B.F. – BACK FACE CL. – CLEAR

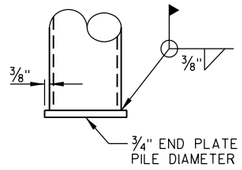
○ – INDICATES WING NUMBER.



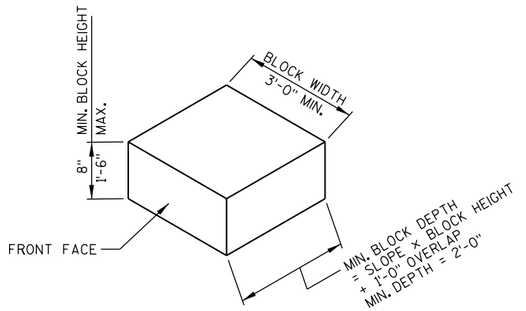


CAST-IN-PLACE 'PIPE PILE' SPLICE DETAILS

WELD DETAIL

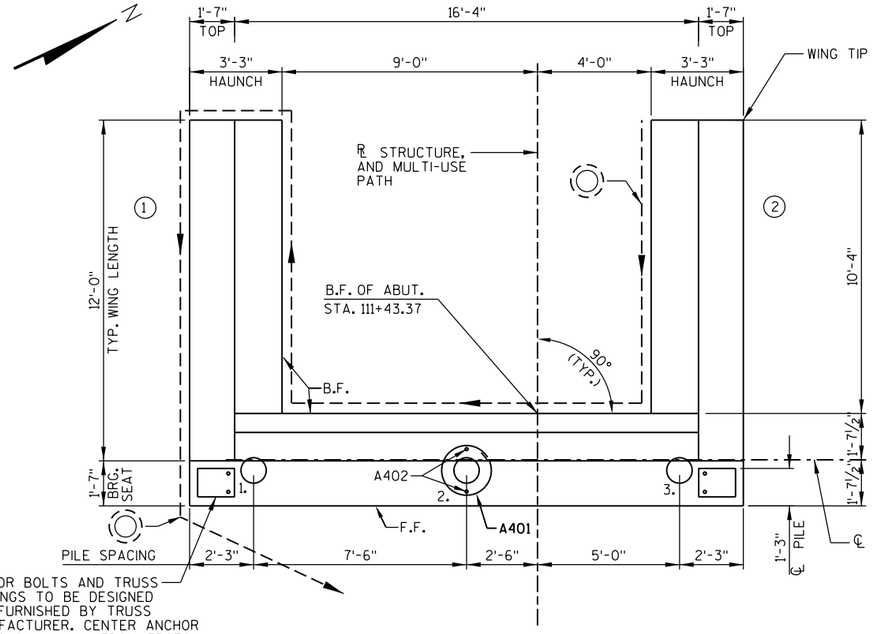


END PLATE DETAIL FOR CIP PILING

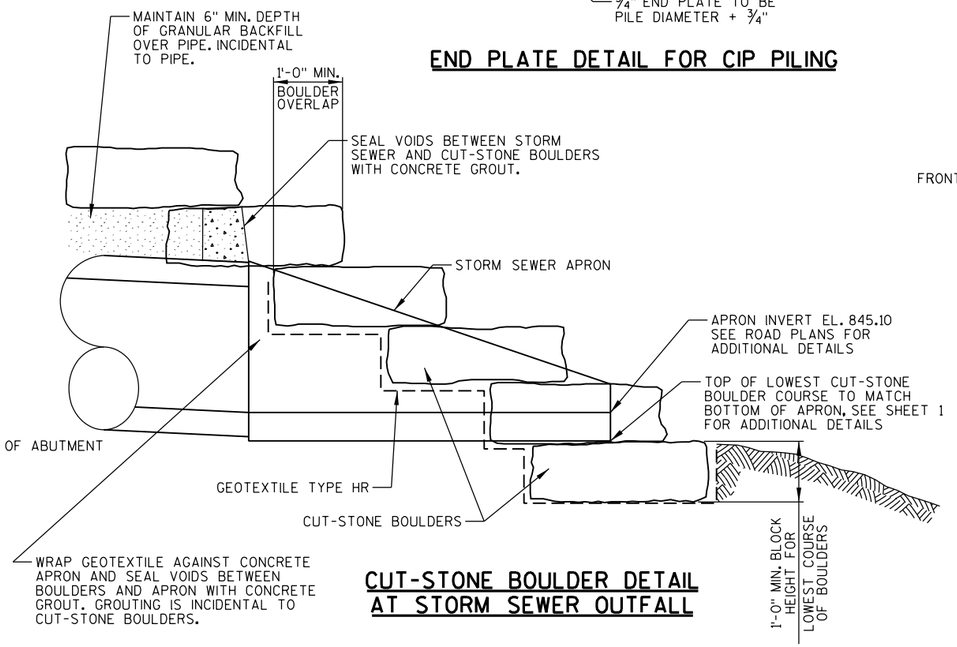


CUT-STONE BOUNDER DETAIL

UNDERLAY CUT-STONE BOULDER WALL WITH GEOTEXTILE TYPE HR. FOLD FABRIC SHEET ALONG BOTTOM & BACK OF WALL STEPS. EXTEND FABRIC TO OVERLAP 2'-0 MIN. TO FRONT FACES OF BRIDGE WING WALLS.



PLAN



CUT-STONE BOULDER DETAIL AT STORM SEWER OUTFALL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-864

DRAWN BY RLR PLANS CK'D. JZ

WEST ABUTMENT

SHEET 4 OF 9
578

8

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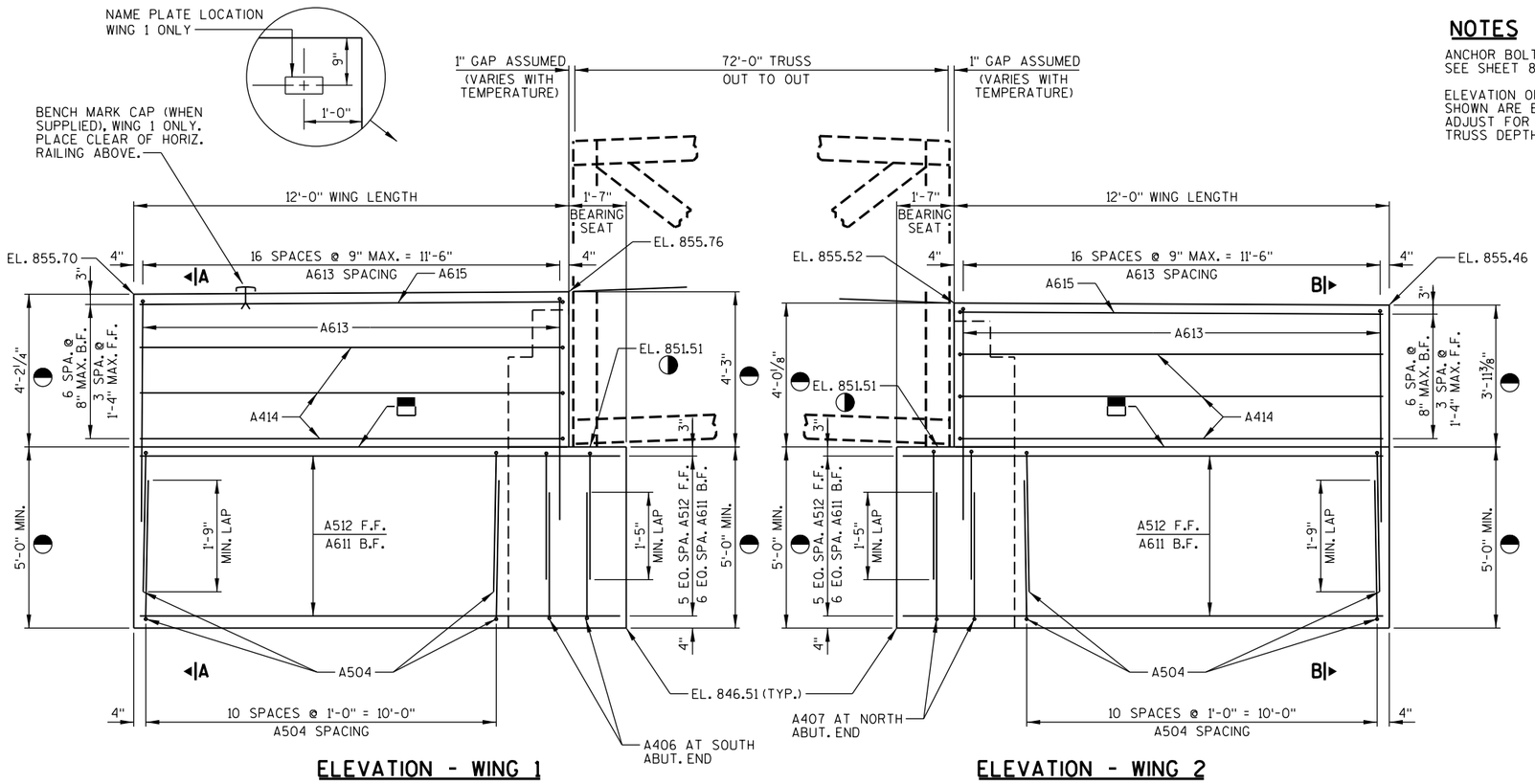
STATE PROJECT NUMBER
5992-10-17

NOTES

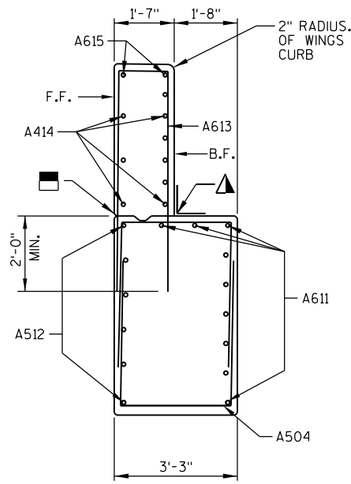
ANCHOR BOLT SPACING FOR RAILING IS NOT SHOWN. SEE SHEET 8 FOR RAIL AND ANCHOR BOLT DETAILS.

ELEVATION OF BEARING SEAT & VERTICAL DIMENSIONS SHOWN ARE BASED ON 3'-6" MAXIMUM TRUSS DEPTH. ADJUST FOR ANY DEVIATION IN THE MANUFACTURED TRUSS DEPTH.

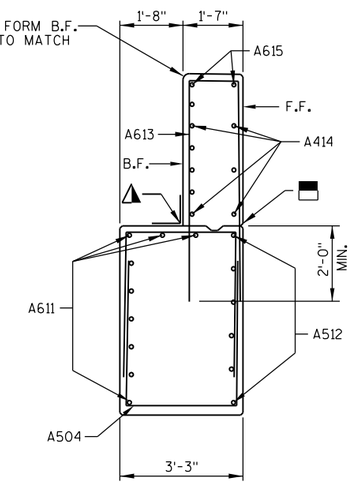


ELEVATION - WING 1

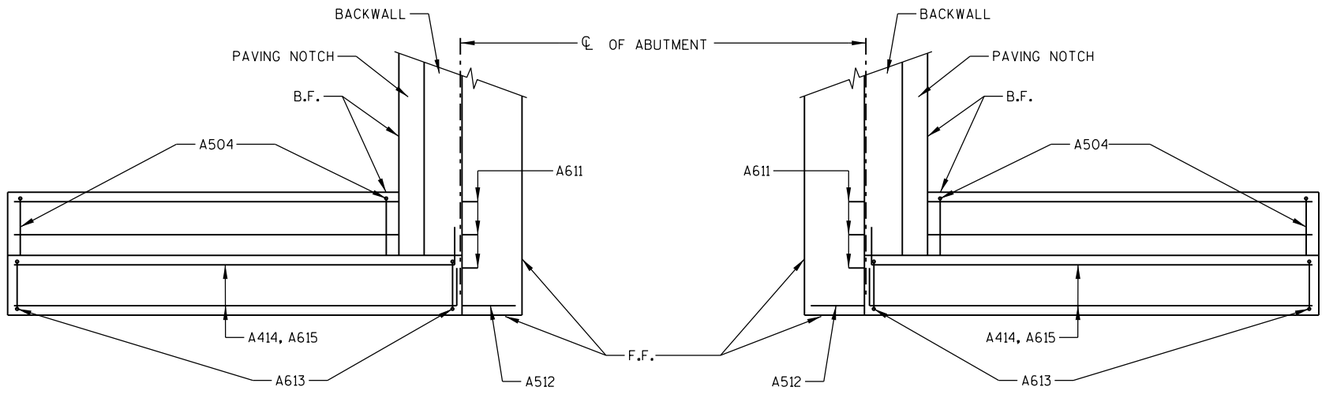
ELEVATION - WING 2



SECTION A-A THRU WING 1



SECTION B-B THRU WING 2



PLAN - WING 1

PLAN - WING 2

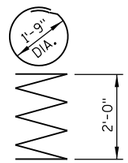
(COATED) 1355 LBS.
(UNCOATED) 2365 LBS.

BILL OF BARS

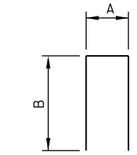
MARK	NUMBER REQUIRED COATED	NUMBER REQUIRED UNCOATED	LENGTH	BENT	LOCATION
A401	-	3	28'-0"	X	ABUTMENT BODY - 1 SPIRAL WRAP @ EACH PILING
A402	-	6	2'-3"		ABUTMENT BODY - 2 @ EACH PILING - VERT.
A603	-	11	19'-2"		ABUTMENT BODY - F.F., TOP & BOTTOM - HORIZ.
A504	-	98	10'-4"	X	ABUTMENT BODY & WINGS - STIRRUP - VERT.
A805	-	7	21'-5"	X	ABUTMENT BODY - B.F. - HORIZ.
A406	-	4	5'-2"	X	ABUTMENT BODY - SOUTH END - VERT.
A407	-	4	5'-2"	X	ABUTMENT BODY - NORTH END - VERT.
A508	17	-	10'-3"	X	ABUTMENT BODY - BACKWALL - STIRRUP - VERT.
A509	8	-	19'-2"		ABUTMENT BODY - BACKWALL - HORIZ.
A510	17	-	5'-1"	X	ABUTMENT BODY - PAVING BLOCK - STIRRUP - VERT.
A611	-	18	12'-3"		WINGS 1 & 2 - BASE - B.F. & CENTER - HORIZ.
A512	-	12	13'-3"		WINGS 1 & 2 - BASE - F.F. - HORIZ.
A613	34	-	13'-1"	X	WINGS 1 & 2 - TOP - STIRRUP - VERT.
A414	18	-	12'-7"	X	WINGS 1 & 2 - TOP - F.F. & B.F. - HORIZ.
A615	4	-	12'-6"	X	WINGS 1 & 2 - TOP - F.F. & B.F. - HORIZ.
A416	9	-	1'-4"		PAVING NOTCH FILLER - VERT.
A417	2	-	16'-0"		PAVING NOTCH FILLER - HORIZ.

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.

SEE SHEET 4 LEGEND FOR DESCRIPTION OF



A401



MARK	A	B
A504	2'-11"	3'-10"
A805	19'-2"	1'-4"
A508	1'-4"	4'-7"
A510	8"	2'-4"
A613	1'-3"	6'-1"

MARK	C
A406	1'-5"
A407	1'-5"
A414	1'-0"
A615	1'-0"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-864

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WEST ABUTMENT DETAILS

SHEET 5 OF 9
579

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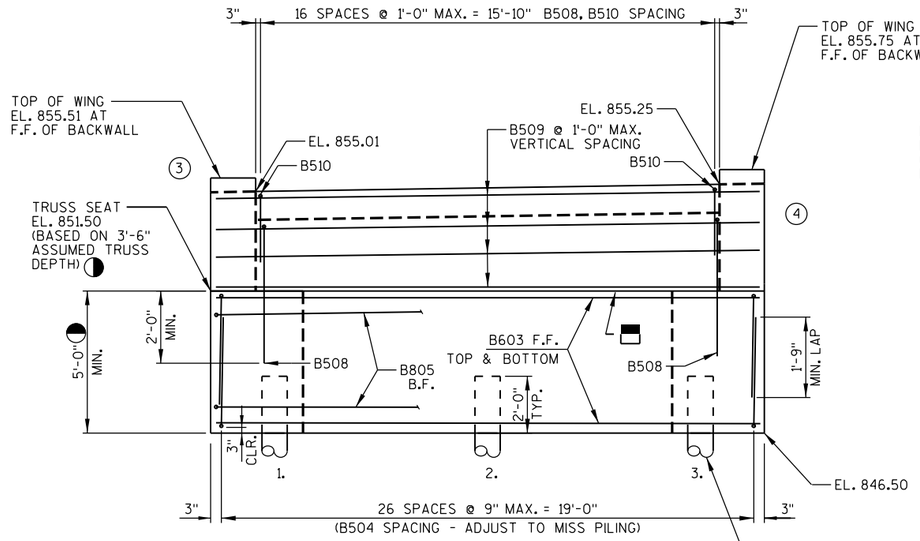
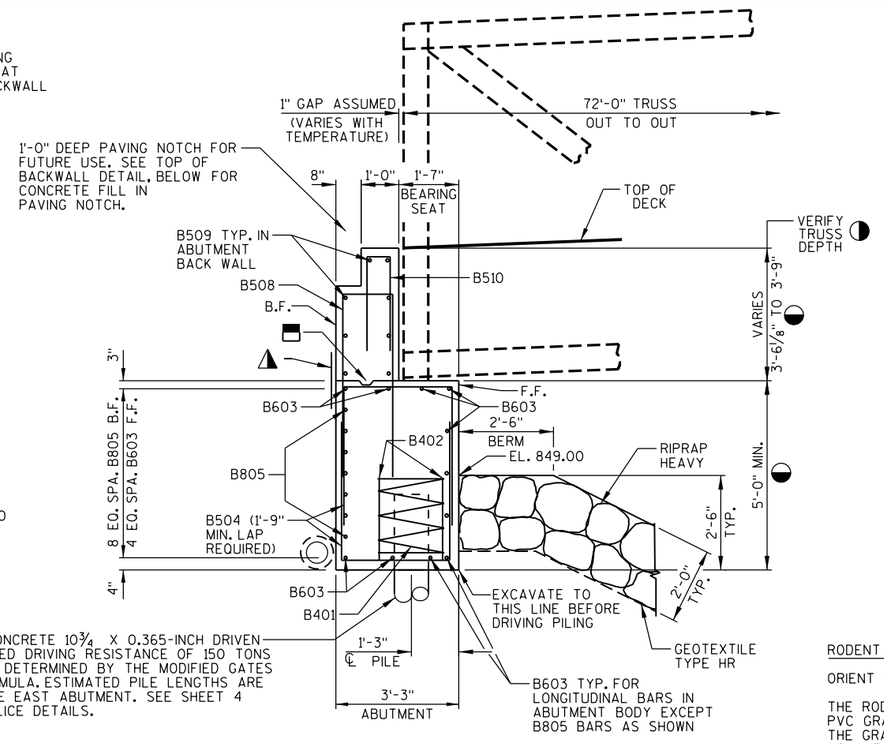
STATE PROJECT NUMBER

5992-10-17



ELEVATION

(LOOKING AT FRONT FACE OF ABUTMENT)



PILING CIP CONCRETE 10¾ X 0.365-INCH DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 150 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED PILE LENGTHS ARE 90'-0 AT THE EAST ABUTMENT. SEE SHEET 4 FOR PILE SPLICE DETAILS.

SECTION THRU ABUTMENT

LEGEND

- ▬ – CONSTRUCTION JOINT FORMED BY BEVELED 2x6. PLACE ¾" BEVEL ON F.F. OF WINGS.
- ◑ – ABUTMENT BEARING SEAT ELEVATION IS DEPENDENT ON TRUSS DEPTH. ADJUST AS NEEDED. TOP OF PATH AND BERM ELEVATIONS SHALL NOT BE MODIFIED. MINIMUM ABUTMENT BODY HEIGHT SHALL NOT BE REDUCED.
- ◭ – HORIZONTAL 18" WIDE RUBBERIZED MEMBRANE WATERPROOFING. PLACE ON B.F. OF CONST. JOINT AS SHOWN.
- ◯ – PIPE UNDERDRAIN WRAPPED 6-INCH. EXTEND THRU GEOTEXTILE AT FACE OF RIPRAP HEAVY. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. PROVIDE RODENT PROTECTION AT ENDS OF PIPE, SEE RODENT SHIELD DETAIL BELOW.

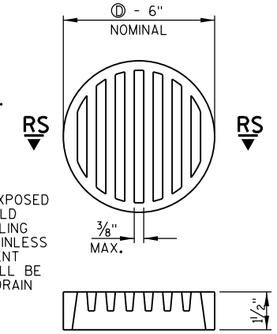
F.F. – FRONT FACE B.F. – BACK FACE CL. – CLEAR

◯ – INDICATES WING NUMBER.

RODENT SHIELD NOTES:

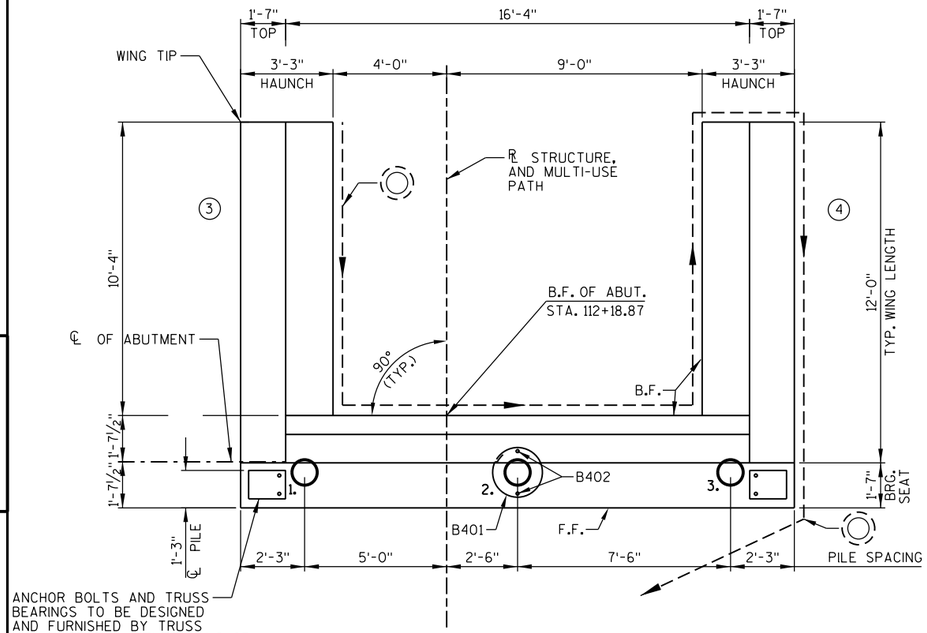
ORIENT SHIELD SO SLOTS ARE VERTICAL.

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 PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH STAINLESS STEEL SHEET METAL SCREWS. THE RODENT SHIELD, PIPE COUPLING AND SCREWS, SHALL BE INCLUDED IN THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".



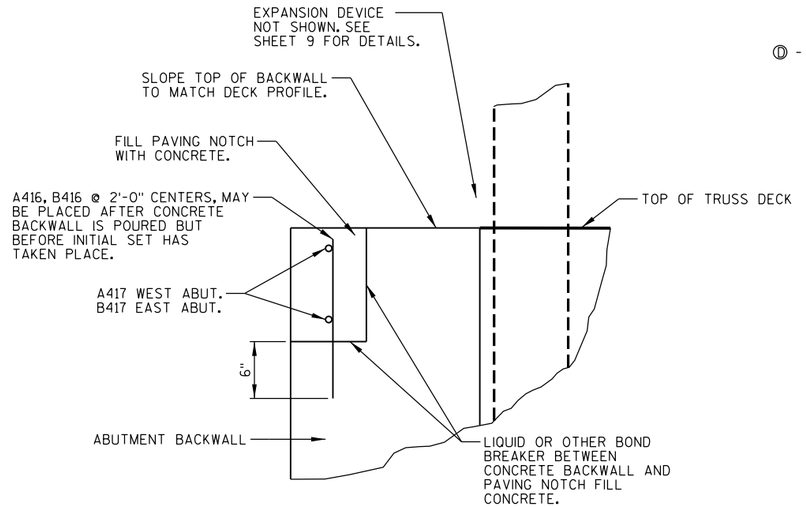
SECTION RS-RS
RODENT SHIELD

Ⓓ - DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.



ANCHOR BOLTS AND TRUSS BEARINGS TO BE DESIGNED AND FURNISHED BY TRUSS MANUFACTURER. CENTER ANCHOR BOLTS 6" MINIMUM FROM EDGES OF ABUTMENT. ANCHOR BOLTS MAY BE EITHER CAST IN PLACE OR ADHESIVE ANCHORS INSTALLED. ANCHOR BOLT DIAMETER AND PROJECTION HEIGHT TO BE DESIGNED BY TRUSS MANUFACTURER.

PLAN



TOP OF BACKWALL DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-864

DRAWN BY RLR PLANS CK'D. JZ

EAST ABUTMENT

SHEET 6 OF 9
580

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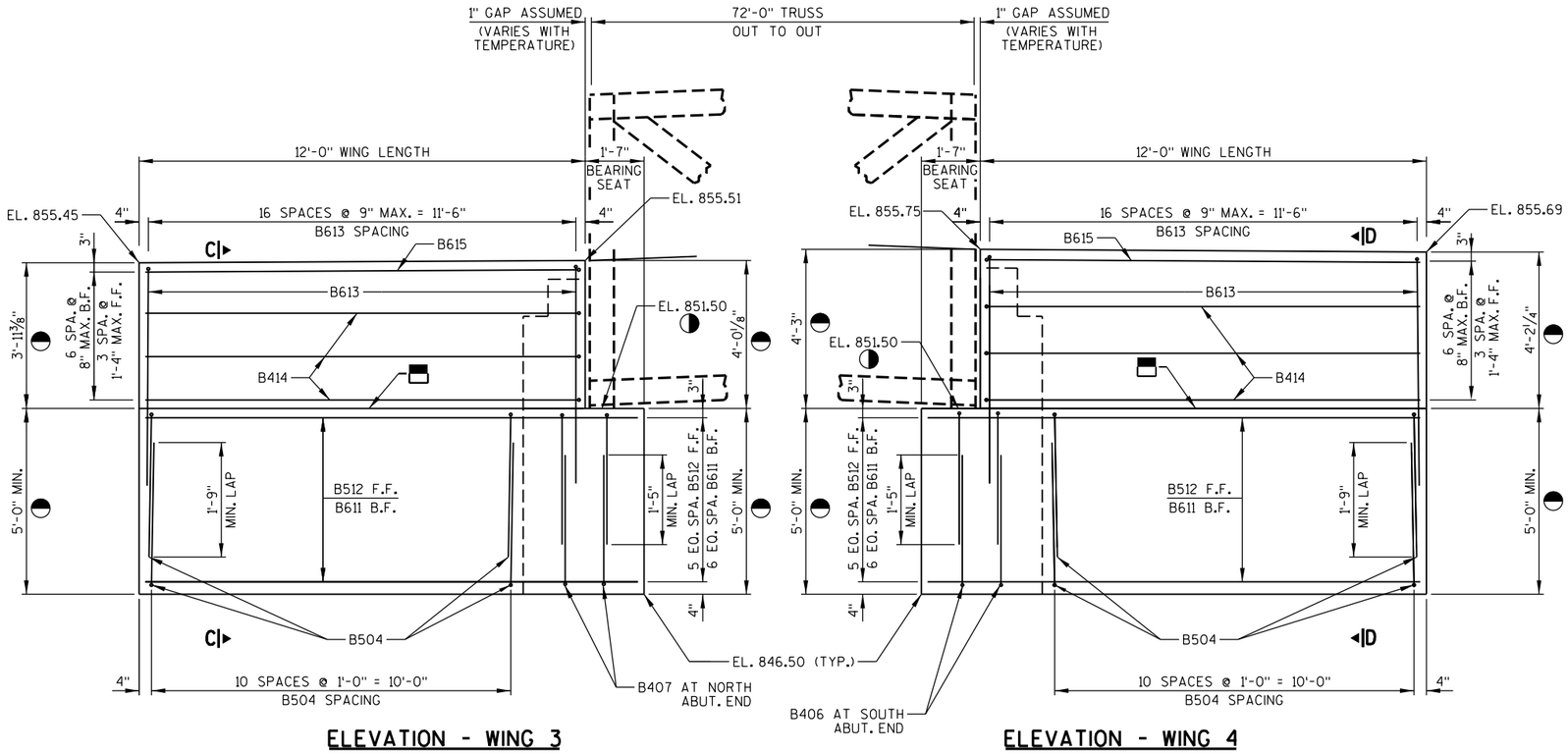
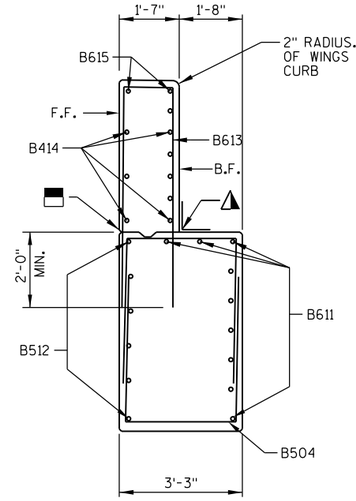
STATE PROJECT NUMBER

5992-10-17

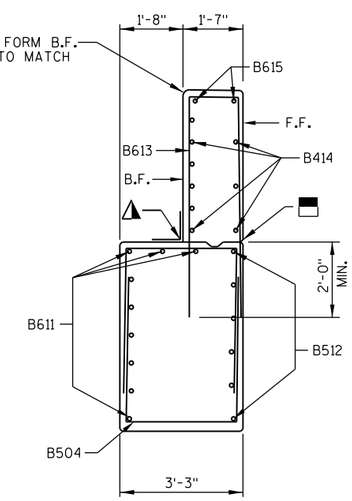


ELEVATION - WING 3

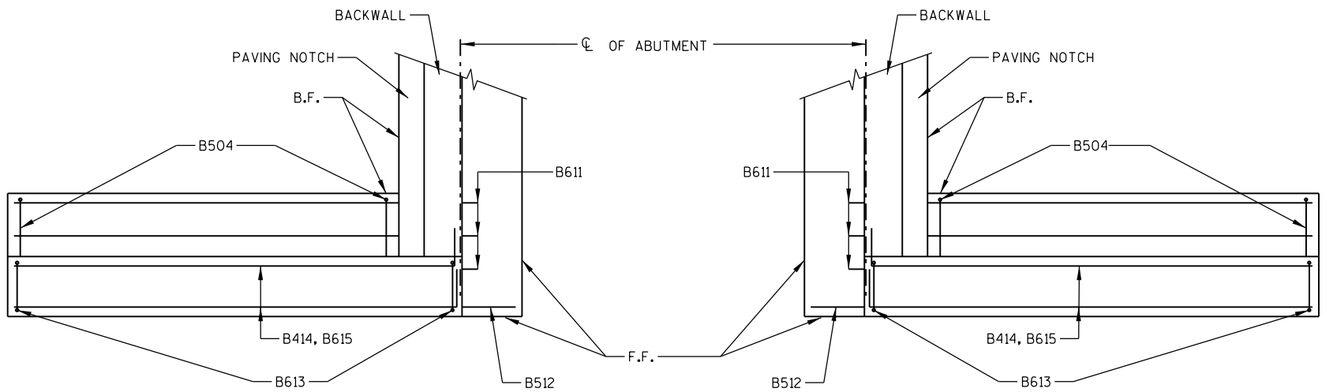
ELEVATION - WING 4



SECTION D-D THRU WING 4



SECTION C-C THRU WING 3



PLAN - WING 3

PLAN - WING 4

BILL OF BARS

(COATED) 1355 LBS.
(UNCOATED) 2365 LBS.

MARK	NUMBER REQUIRED COATED	NUMBER REQUIRED UNCOATED	LENGTH	BENT	LOCATION
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B603	-	11	19'-2"		ABUTMENT BODY - F.F., TOP & BOTTOM - HORIZ.
B504	-	98	10'-4"	X	ABUTMENT BODY & WINGS - STIRRUP - VERT.
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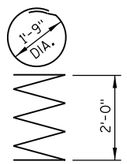
DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.

NOTES

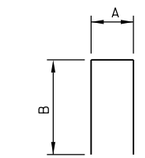
ANCHOR BOLT SPACING FOR RAILING IS NOT SHOWN. SEE SHEET 8 FOR RAIL AND ANCHOR BOLT DETAILS.

ELEVATION OF BEARING SEAT & VERTICAL DIMENSIONS SHOWN ARE BASED ON 3'-6" MAXIMUM TRUSS DEPTH. ADJUST FOR ANY DEVIATION IN THE MANUFACTURED TRUSS DEPTH.

SEE SHEET 6 LEGEND FOR DESCRIPTION OF



B401



MARK	A	B
B504	2'-11"	3'-10"
B805	19'-2"	1'-4"
B508	1'-4"	4'-7"
B510	8"	2'-4"
B613	1'-3"	6'-1"

MARK	C
B406	1'-5"
B407	1'-5"
B414	1'-0"
B615	1'-0"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-864

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EAST ABUTMENT DETAILS

SHEET 7 OF 9

581

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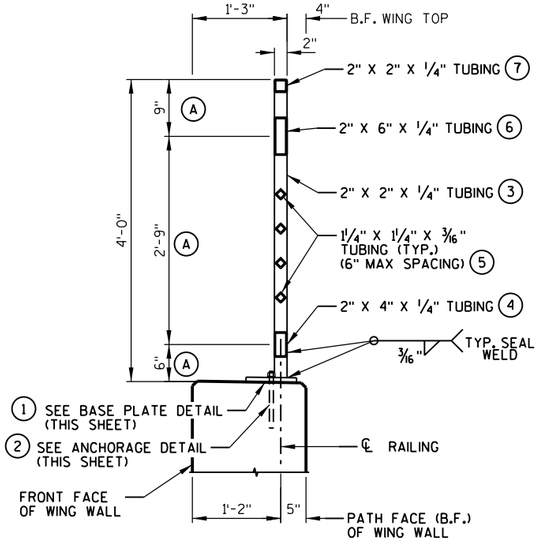
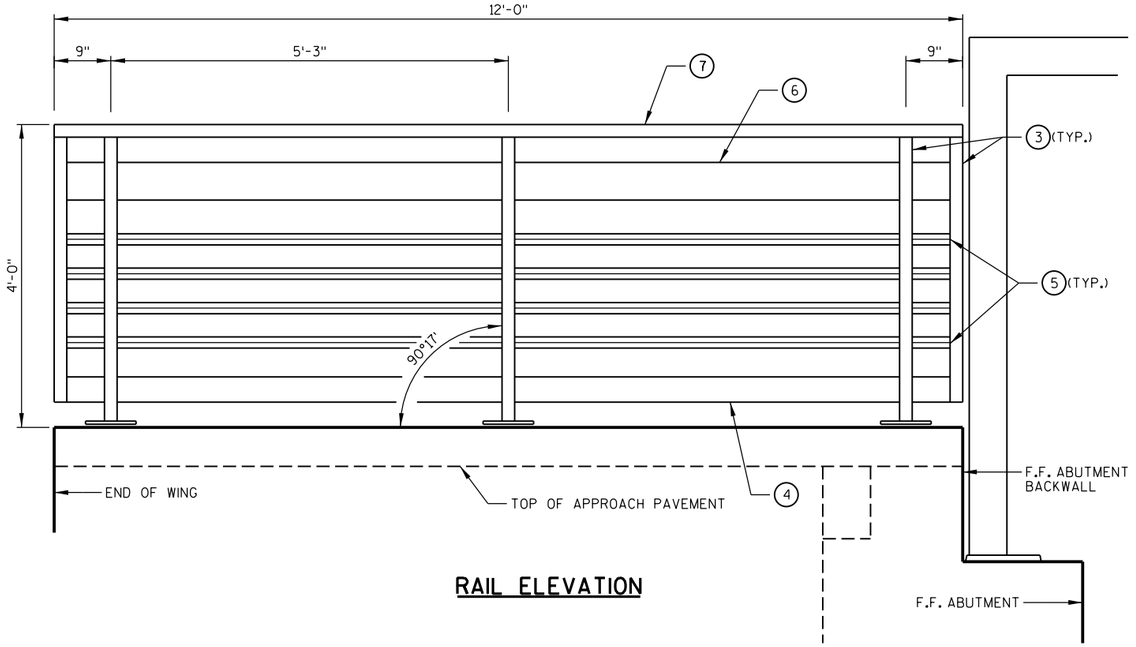
STATE PROJECT NUMBER

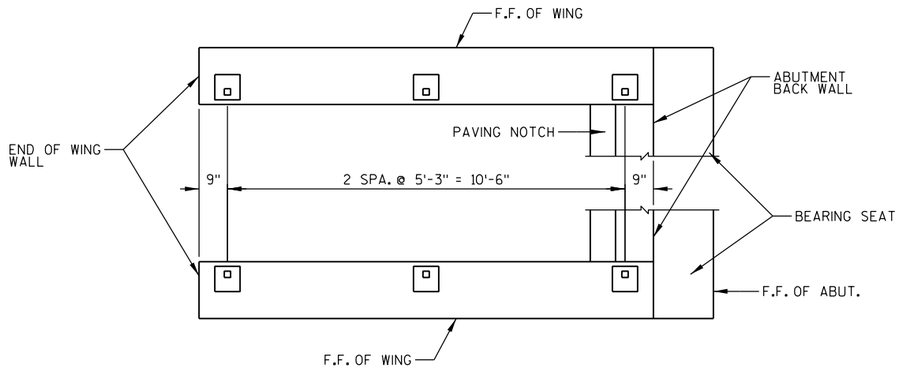
5992-10-17



SECTION THRU RAILING



RAIL ELEVATION



RAIL LAYOUT PLAN

LEGEND

(1) PLATE 3/4" X 8" X 8" WITH 3/4" DIA. HOLES.

(2) 5/8" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL ADHESIVE ANCHORS WITH NUT AND WASHERS OF SAME ALLOY GROUP. MIN. PULLOUT CAPACITY OF 13 KIPS. EMBED MIN. 7". ADHESIVE ANCHORS SHALL CONFORM TO SECTION 502.2.12 OF THE STANDARD SPECIFICATIONS.

(3) STRUCTURAL TUBING 2" X 2" X 1/4". PLACE VERTICAL IN BOTH DIRECTIONS. WELD TO NO. 1, 4, 5, 6 & 7.

(4) STRUCTURAL TUBING 2" X 4" X 1/4" BOTTOM RAIL. WELD TO NO. 3.

(5) STRUCTURAL TUBING 1 1/4" X 1 1/4" X 3/16" RAILS. WELD TO NO. 3.

(6) STRUCTURAL TUBING 2" X 6" X 1/4" RAIL. WELD TO NO. 3.

(7) STRUCTURAL TUBING 2" X 2" X 1/4" TOP RAIL. WELD TO NO. 3.

(A) ALIGN BOTTOM RAIL, RUB RAIL, SAFETY RAIL, AND TOP RAIL WITH SIMILAR FABRICATED BRIDGE RAILING ELEMENTS. COORDINATE RAILING DETAILS WITH BRIDGE FABRICATOR.

NOTES

BID ITEM SHALL BE "RAILING PEDESTRIAN STEEL", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN AS WELL AS, ADHESIVE ANCHORS, CAULKING, AND PAINTING.

ALL MATERIAL EXCEPT NO. 2 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 "SPECIAL PROVISIONS". THE FINISH COLOR SHALL BE FEDERAL STANDARD 595B COLOR #30045, BROWN.

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.

STEEL SHIMS MAY BE USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT AND SHALL BE GALVANIZED.

SPACING OF SAFETY RAIL, RUB RAIL, TOP RAIL AND BOTTOM RAIL SHALL PRODUCE MAXIMUM OPENINGS OF LESS THAN 4".

NO. 1 SHALL CONFORM TO THE REQUIREMENTS OF A.S.T.M. A709 GRADE 36. NO. 3, 4, 5, 6 AND 7 STRUCTURAL TUBING SHALL CONFORM TO A.S.T.M. A500 GRADE B.

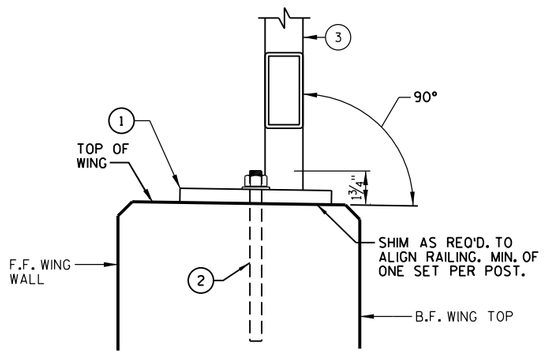
CUT BOTTOM OF POST TO MAKE POST VERTICAL IN TRANSVERSE AND LONGITUDINAL DIRECTIONS.

CAULK AROUND PERIMETER OF BASE PLATES, NO. 1 AND FILL BOLT HOLE OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING BROWN NON-BITUMINOUS JOINT SEALER. COLOR OF BROWN CAULK SHALL MATCH PAINTED RAILING.

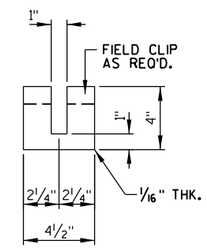
RAILING SHALL BE FABRICATED IN FULL LENGTHS SUCH THAT NO FIELD SPLICING IS REQUIRED.

VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST.

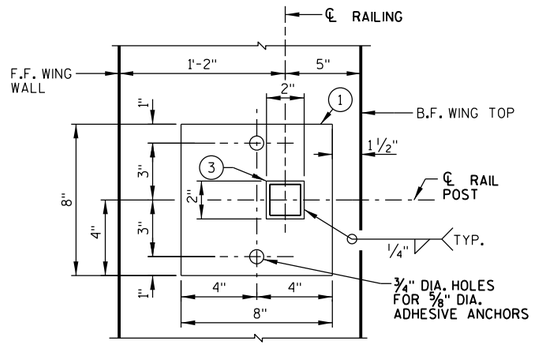


ANCHORAGE FOR RAIL POSTS



POST SHIM DETAIL

RAIL POST DETAILS



TYPICAL RAIL POST BASE PLATE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-864

DRAWN BY RLR | PLANS CK'D. JZ

RAILING PEDESTRIAN STEEL

SHEET R OF 9
582

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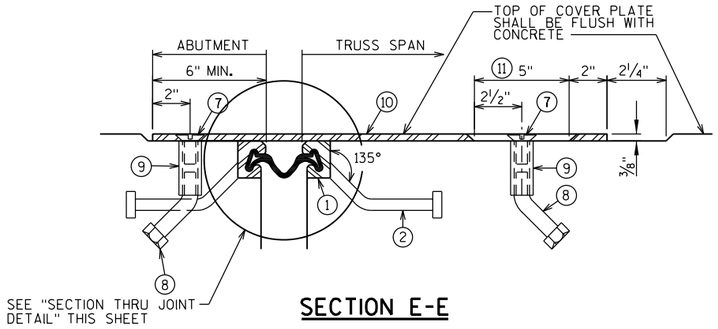
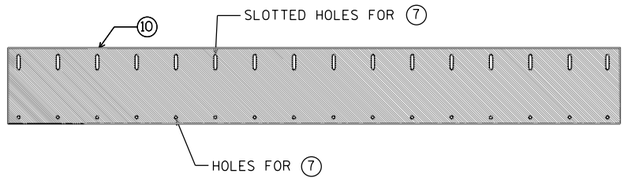
STATE PROJECT NUMBER
5992-10-17



SECTION E-E
SECTION THRU JOINT



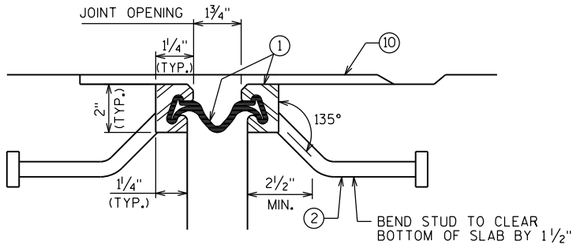
PLAN OF COVER PLATE WITH SLIP-RESISTANT SURFACE

PLACE SLIP-RESISTANT SURFACE ON TOP WALKING SURFACE IN SHADED AREA

LEGEND

1. NEOPRENE STRIP SEAL (4 - INCH) AND STEEL EXTRUSIONS.
2. STUDS 5/8" DIA. X 6 3/8" LONG AT 6" ALTERNATE CENTERS. WELD TO EXTRUSIONS AND BEND AS SHOWN AFTER WELDING.
7. 3/4" DIA. X 1 1/2" STAINLESS STEEL SOCKET FLAT HEAD SCREWS WITH ANTI-SEIZE LUBRICANT. PLACE IN COUNTERSUNK HOLE. RECESS 1/16" BELOW PLATE SURFACE.
8. 3/4" DIA. X 4" GALVANIZED HEX HEAD BOLT. BEND 45°.
9. 3/4" DIA. X 2 1/4" GALVANIZED THREADED COUPLING.
10. GALVANIZED PLATE 3/8" X 2'-0" X LIMITS SHOWN WITH HOLES FOR NO. 7.
11. 1" X 5" SLOTTED COUNTERSUNK HOLE FOR NO. 7. PLACE SLOT PARALLEL TO DIRECTION OF MOVEMENT.

BLOCK OUT CONCRETE 2" EACH SIDE OF JOINT OPENING.



SECTION THRU JOINT

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

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 AND GLAND INSTALLATION.

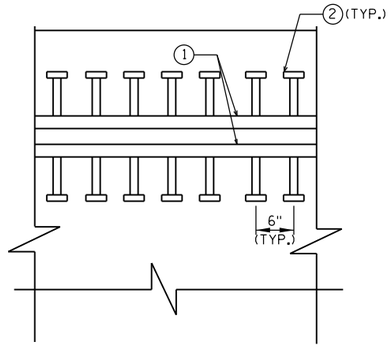
SANDBLAST PLATES, SUPPORTS, AND EXTRUSIONS AFTER FABRICATION IN ACCORDANCE WITH SSPC SP. #6 "COMMERCIAL BLAST CLEANING". AFTER BLAST CLEANING, THE PLATES, SUPPORTS, AND EXTRUSIONS SHALL BE HOT DIPPED GALVANIZED. SLIP RESISTANT SURFACE IS APPLIED TO COVER PLATES BY THE MANUFACTURER AND THEN HOT DIPPED GALVANIZED TO THEIR RECOMMENDATIONS TO MAINTAIN THE INTEGRITY OF THIS SURFACE.

ANCHOR SYSTEM NO. 8 & NO. 9 SHALL CONFORM TO ASTM A307 & SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C & D.

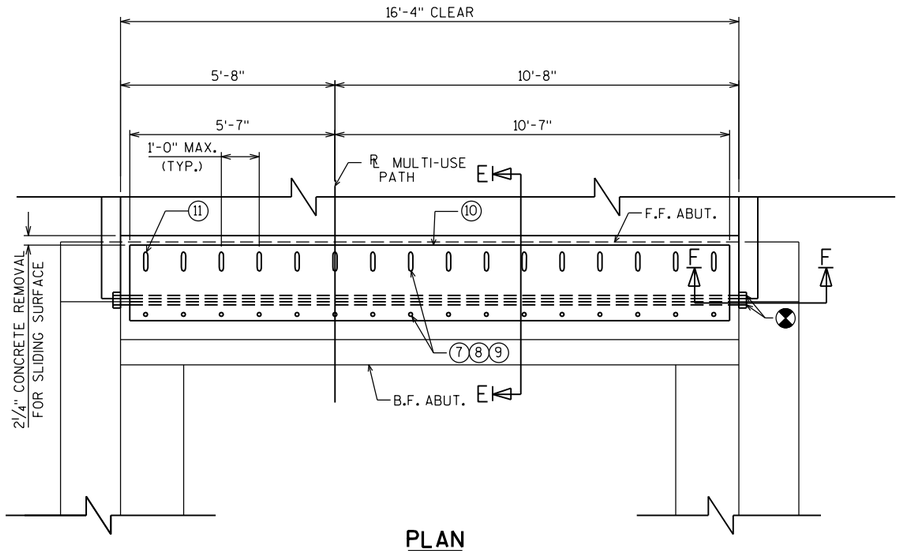
THE EXPANSION DEVICE MANUFACTURER SHALL PROVIDE A MECHANISM TO SUPPORT THE JOINT IN PLACE DURING THE CONCRETE POUR.

ALL MATERIAL IN THE EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE SHALL BE PAID AT THE UNIT PRICE BID FOR "EXPANSION DEVICE B-13-894", LF.

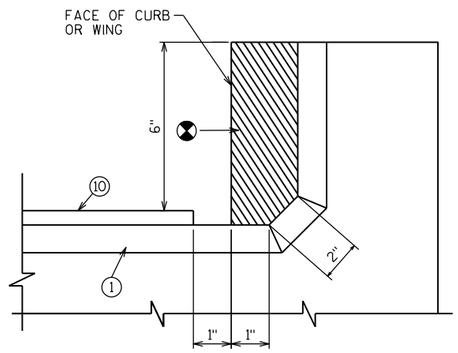
PLACE SLIP-RESISTANT SURFACE ON TOP WALKING SURFACE. SEE DETAIL THIS SHEET.



PART PLAN



PLAN



SECTION F-F
SECTION THRU JOINT AT CURB

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-864

DRAWN BY EKK | PLANS CK'D. JZ

EXPANSION DEVICE

SHEET 9 OF 9
583

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STATE PROJECT NUMBER
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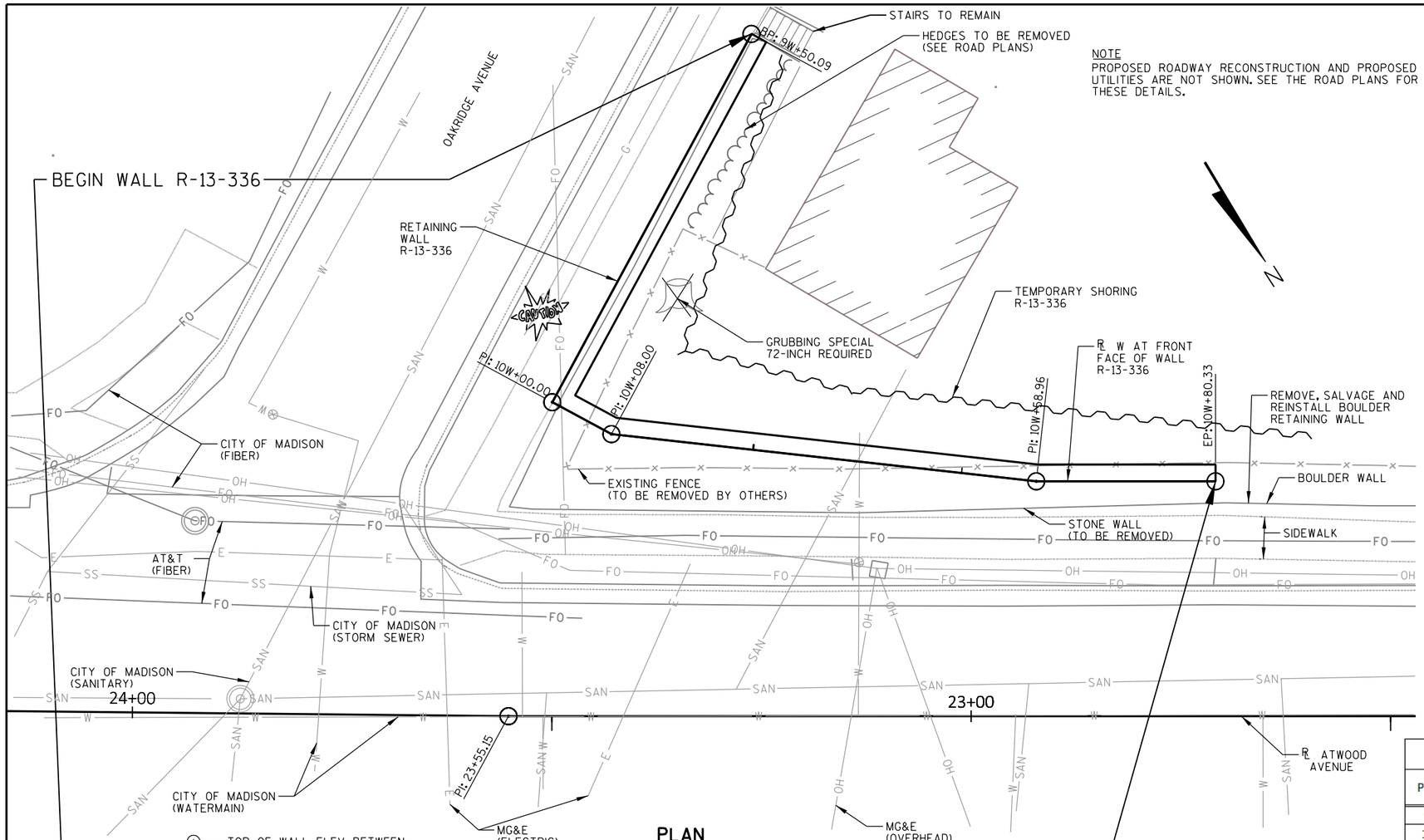
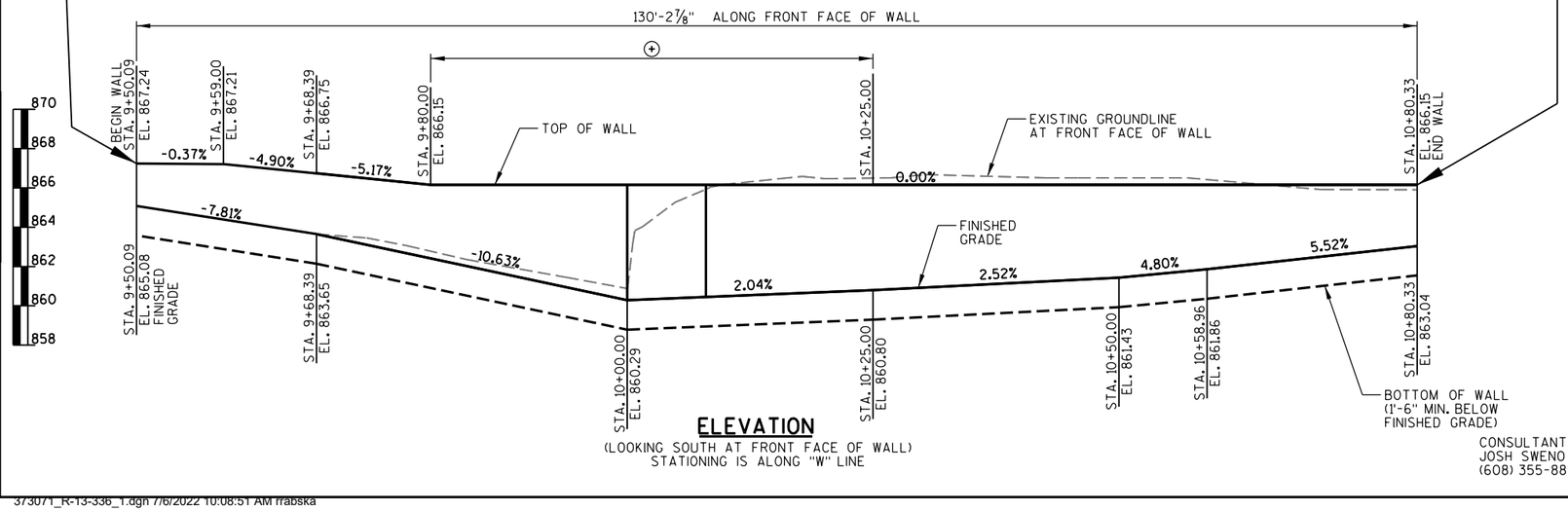


⊕ — TOP OF WALL ELEV. BETWEEN STA. 9W+80 AND STA. 10W+25 SHALL NOT EXCEED 866.75 FOR INTERSECTION VISION CORNER PURPOSES.

PLAN
MODULAR BLOCK GRAVITY WALL



ELEVATION
(LOOKING SOUTH AT FRONT FACE OF WALL)
STATIONING IS ALONG "W" LINE

NOTE
PROPOSED ROADWAY RECONSTRUCTION AND PROPOSED UTILITIES ARE NOT SHOWN. SEE THE ROAD PLANS FOR THESE DETAILS.

TRAFFIC DATA (ATWOOD AVENUE)
A.A.D.T. (2023) = 17,800
A.A.D.T. (2043) = 18,950
R.D.S. = 35 MPH

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALL 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-13-336".

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.

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

A MODULAR BLOCK GRAVITY WALL IS REQUIRED. WALL SHALL CONSIST OF PRECAST MODULAR CONCRETE BLOCKS PRODUCED BY A WET-CAST PROCESS.

MINIMUM BLOCK WIDTH (FRONT FACE TO BACK FACE) SHALL BE 1'-11".

LIST OF DRAWINGS

1. GENERAL PLAN
2. TYPICAL SECTION, QUANTITIES & NOTES
3. SUBSURFACE EXPLORATION

ALIGNMENT DATA FOR WALL						
P.I. STATION	MAINLINE STA.	MAINLINE OFFSET	DEFLECTION	RADIUS	X	Y
9W+50.09	23+26.19	81.33' RT	NA	NA	833,682.65	489,155.28
10W+00.00	23+49.93	37.43' RT	90°00'00" LT	NA	833,725.20	489,181.36
10W+08.00	23+42.89	33.62' RT	22°04'01" LT	16.00'	833,721.02	489,188.18
10W+58.96	22+92.24	28.00' RT	6°20'06" LT	16.00'	833,680.01	489,218.44
10W+80.33	22+70.87	28.00' RT	NA	NA	833,661.52	489,229.15

WISCONSIN
JOSHUA R. SWENO
E-44384
WAUNAKEE
WI
PROFESSIONAL ENGINEER
7/6/2022

CONSULTANT DESIGN CONTACT:
JOSH SWENO
(608) 355-8852

BRIDGE OFFICE CONTACT:
AARON BONK
(608) 261-0261

NO.	DATE	REVISION	BY

MSA
ENGINEERING | ARCHITECTURE | SURVEYING
FUNDING | PLANNING | ENVIRONMENTAL
1702 PANKRATZ STREET., MADISON WI 53704
(608) 242-7779
www.msa-ps.com

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED SDR 09/12/22
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE R-13-336

ATWOOD AVENUE WALL

COUNTY	DANE	~~TOWN~~/CITY/~~VILLAGE~~	MADISON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPEC.

DESIGNED BY	JZ	DESIGN CK'D.	JRS	DRAWN BY	RLR	PLANS CK'D.	JZ

GENERAL PLAN

SHEET 1 OF 3
584

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STATE PROJECT NUMBER
5992-10-16

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

THE PLAN QUANTITY FOR THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-336" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF WALL DESIGN GRADE TO THE BOTTOM OF WALL DESIGN GRADE, SET AT A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE. WALL LENGTH IS MEASURED BETWEEN THE P.I. POINTS OF ℄ W.

SEE SPECIAL PROVISIONS FOR DESCRIPTIONS OF MATERIALS REQUIRED FOR "WALL BACKFILL, TYPE A".

AT THE BACK FACE OF THE WALL, ALL EXCAVATED VOLUME NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH WALL BACKFILL TYPE A OR GRANULAR BACKFILL GRADE 1 AS SHOWN IN THE TYPICAL SECTION. BACKFILLING IS INCLUDED IN THE BID ITEM FOR "WALL MODULAR BLOCK GRAVITY R-13-336".

TEMPORARY SHORING IS REQUIRED IN LOCATIONS WHERE EXCAVATION WOULD OTHERWISE DISTURB THE EXISTING GROUND SURFACE OUTSIDE THE R/W LINE OR TEMPORARY LIMITED EASEMENT (TLE). AREAS BEYOND THE TLE LINE SHALL NOT BE DISTURBED. PLACEMENT OF BLOCK SHALL BE KEPT WITHIN THE R/W. LANDSCAPING BID ITEMS REQUIRED TO RESTORE THE SLOPE ABOVE THE WALL BACKFILL ARE INCLUDED IN THE ROAD PLAN QUANTITIES.

GRUBBING SPECIAL 72-INCH AT WALL STRUCTURE IS INCLUDED WITH THE WALL PLAN QUANTITIES. SEE SPECIAL PROVISIONS.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO NAVD 88 (2011 ADJUSTMENT), AND WERE ESTABLISHED AT THE SITE USING GPS TECHNOLOGY.

AESTHETIC TREATMENT IS REQUIRED ON THE TOPS OF ALL TOP BLOCKS, ON THE OUTER ENDS OF ALL END BLOCKS, AND ON THE FRONT FACES OF ALL BLOCKS. BLOCKS SHALL HAVE A STAINED TEXTURE IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE TEXTURE IS INCIDENTAL TO THE WALL. CONCRETE STAINING R-13-336 IS MEASURED AND PAID FOR SEPARATELY. THE TOTAL PAY QUANTITY FOR CONCRETE STAINING SHALL EQUAL THE QUANTITY FOR WALL MODULAR BLOCK GRAVITY R-13-336.

FIELD EMBEDMENTS SHALL MEET OR EXCEED THE MINIMUM 1'-6" EMBEDMENT. FIELD EMBEDMENTS BELOW MINIMUM EMBEDMENT SHALL NOT BE INCLUDED IN THE PAY LIMITS.

REMOVAL OF EXISTING WALL AND EARTHEN MATERIALS DOWN TO THE PROPOSED TERRACE SUBGRADE LEVEL BETWEEN THE BACK EDGES OF THE EXISTING SIDEWALKS AND THE PROPOSED WALL ARE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY R-13-336". TOPSOIL AND LANDSCAPING ITEMS NEEDED BOTH ABOVE THE WALL AND AT THE FINISHED GRADE ARE INCLUDED WITH THE ROAD PLANS.

AT THE END OF PROPOSED WALL, RECONSTRUCT THE EXISTING ADJOINING SECTION OF BOULDER WALL WHICH MAY BE DISTURBED BY THE WALL CONSTRUCTION. SALVAGE SUFFICIENT BOULDERS FROM THE BOULDER WALL TO ENSURE WORK TO BE COMPLETED WITH LIKE MATERIALS. RECONSTRUCT THIS WALL IN-KIND USING SALVAGED MATERIALS OR NEW IN-KIND MATERIALS.

IF LOW STRENGTH GRANULAR SOILS OR SOFTER NATURAL CLAYS ARE ENCOUNTERED AT THE LEVELING PAD GRADE, EXCAVATE BELOW SUBGRADE TO REACH REQUIRED BEARING CAPACITY. EXCAVATION TO EXTEND OUTWARD FROM THE EDGES OF THE BOTTOM BLOCK 6 INCHES FOR EVERY 12 INCHES OF VERTICAL DEPTH. BACKFILL WITH BACKFILL TYPE A.

TOTAL ESTIMATED QUANTITIES

ALL ITEMS ARE CATEGORY 0020

ITEM NUMBER	BID ITEM	UNIT	TOTAL
511.1200.01	TEMPORARY SHORING R-13-336	SF	1100
517.1010.S	CONCRETE STAINING R-13-336	SF	770
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	150
SPV.0060.03	GRUBBING SPECIAL 72-INCH	EACH	1
SPV.0060.83	REMOVE, SALVAGE, AND REINSTALL BOULDER RETAINING WALL	EACH	1
SPV.0165.01	WALL MODULAR BLOCK GRAVITY R-13-336	SF	770
	NON-BID ITEMS		
	WALL BACKFILL TYPE A	TON	-
	GRANULAR BACKFILL GRADE 1	TON	-
	GEOTEXTILE TYPE DF SCHEDULE B	SY	-
	UNREINFORCED CONCRETE LEVELING PAD	CY	-

WALL EXTERNAL & OVERALL STABILITY EVALUATION

EXPOSED WALL HEIGHT (FEET)	5.6
REQUIRED MIN BOTTOM HORIZONTAL BLOCK DEPTH (FEET)	3.25
CAPACITY DEMAND RATIOS (CDR)	
GLOBAL STABILITY	1.23
SLIDING	1.21
OVERTURNING	1.06
BEARING CAPACITY	2.09
MAXIMUM EXPECTED SETTLEMENT (INCHES)	<1.0

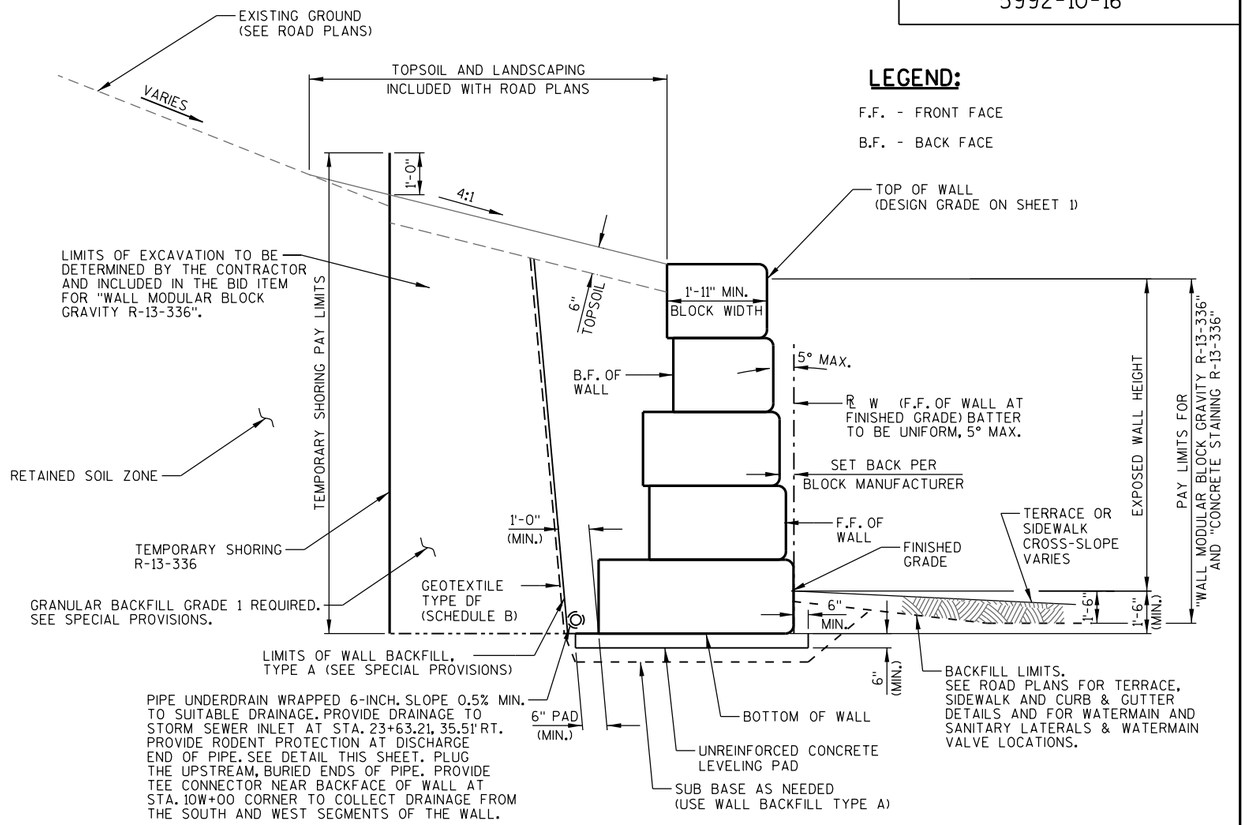
REQUIRED BEARING CAPACITY IS 1,750 PSF.

USE VALUES IN TABLE TO DETERMINE MINIMUM BLOCK DEPTH AT EACH BLOCK LEVEL TO PROVIDE REQUIRED SLIDING AND OVERTURNING RESISTANCE. TABLE ACCOUNTS FOR A 14° (4:1) BACKSLOPE.

THE HEIGHT OF ALL BLOCKS ABOVE THE SLIDING INTERFACE MAY BE CONSIDERED THE EXPOSED WALL HEIGHT AS SHOWN IN THE TABLE.
TABLE ASSUMES THE FRICTION ANGLE BETWEEN BLOCKS IS AT LEAST 32 DEGREES.

TABLE PROVIDES GUIDANCE FOR MINIMUM BLOCK DEPTH TO MEET EXTERNAL STABILITY REQUIREMENTS WITH A MINIMUM CDR > 1.0.
IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE BLOCK DEPTH REQUIRED TO SATISFY INTERNAL AND COMPOUND STABILITY.

COMPACT THE TOP 12 INCHES OF SOIL BELOW THE CONCRETE LEVELING PAD TO A MINIMUM OF 95% OF THE MATERIAL'S MAXIMUM DRY DENSITY AS ESTABLISHED BY THE MODIFIED PROCTOR TEST (ASTM D1557).

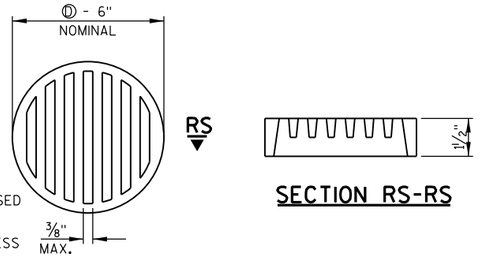


LEGEND:

F.F. - FRONT FACE

B.F. - BACK FACE

TYPICAL SECTION THRU RETAINING WALL



SECTION RS-RS

RODENT SHIELD NOTES:

ORIENT SHIELD SO SLOTS ARE VERTICAL.

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 PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH STAINLESS STEEL SHEET METAL SCREWS. THE RODENT SHIELD, PIPE COUPLING AND SCREWS, SHALL BE INCLUDED IN THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

RODENT SHIELD

Ⓓ - DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.

SOIL PARAMETERS

	STRATUM LOCATIONS & SOIL DESCRIPTIONS	UNIT WEIGHT (pcf)	FRICTION ANGLE (DEGREES)	COHESION (psf)
*	WALL GRANULAR BACKFILL TYPE A	120	32	0
*	GRANULAR BACKFILL GRADE 1	120	32	0
	FOUNDATION SOILS (STA. 9W+50.09 TO STA. 10W+80.33)	125	32	0
	EXISTING BACKSLOPE SOILS	120	30	0

* - DESIGN WALL FOR THESE VALUES. A CERTIFIED REPORT OF TESTS IS REQUIRED TO AUTHENTICATE THE 32 DEGREE FRICTION ANGLE FOR BACKFILL MATERIALS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-336

DRAWN BY RLR | PLANS CK'D. JZ

TYPICAL SECTION, QUANTITIES & NOTES

SHEET 2 OF 3
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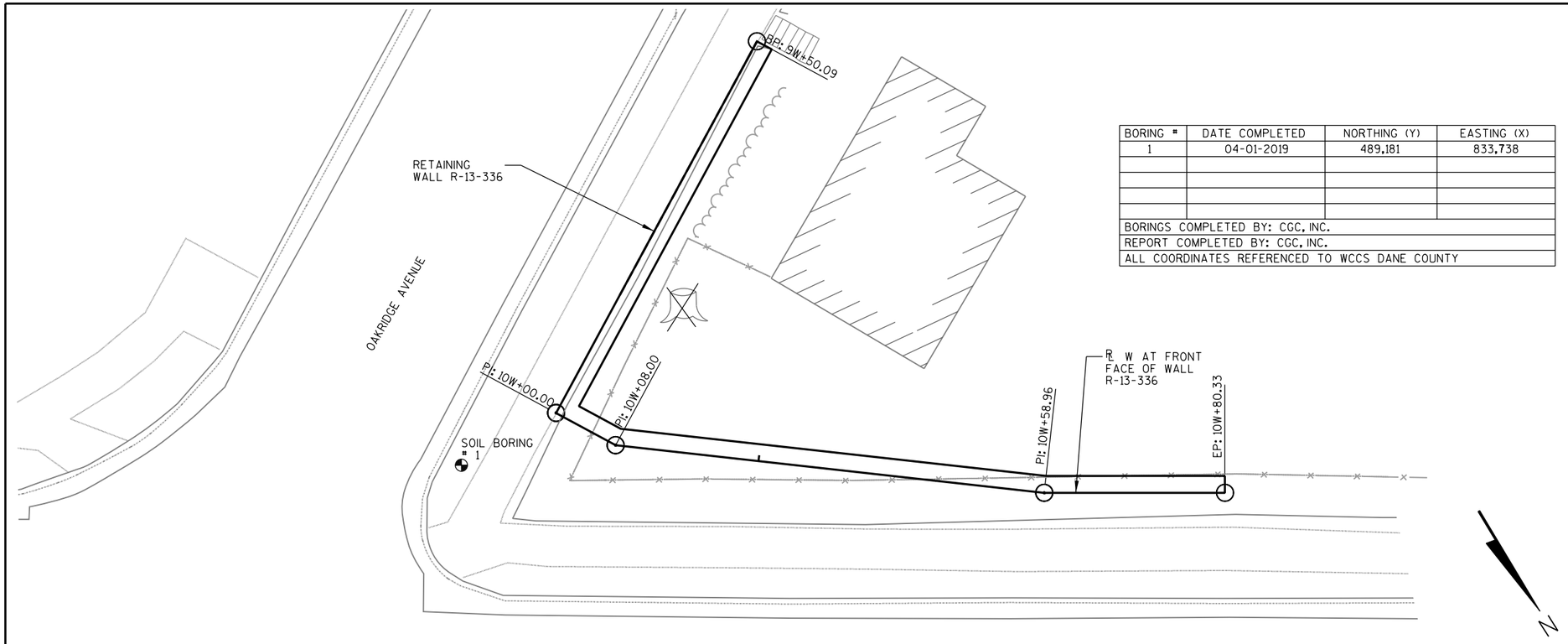
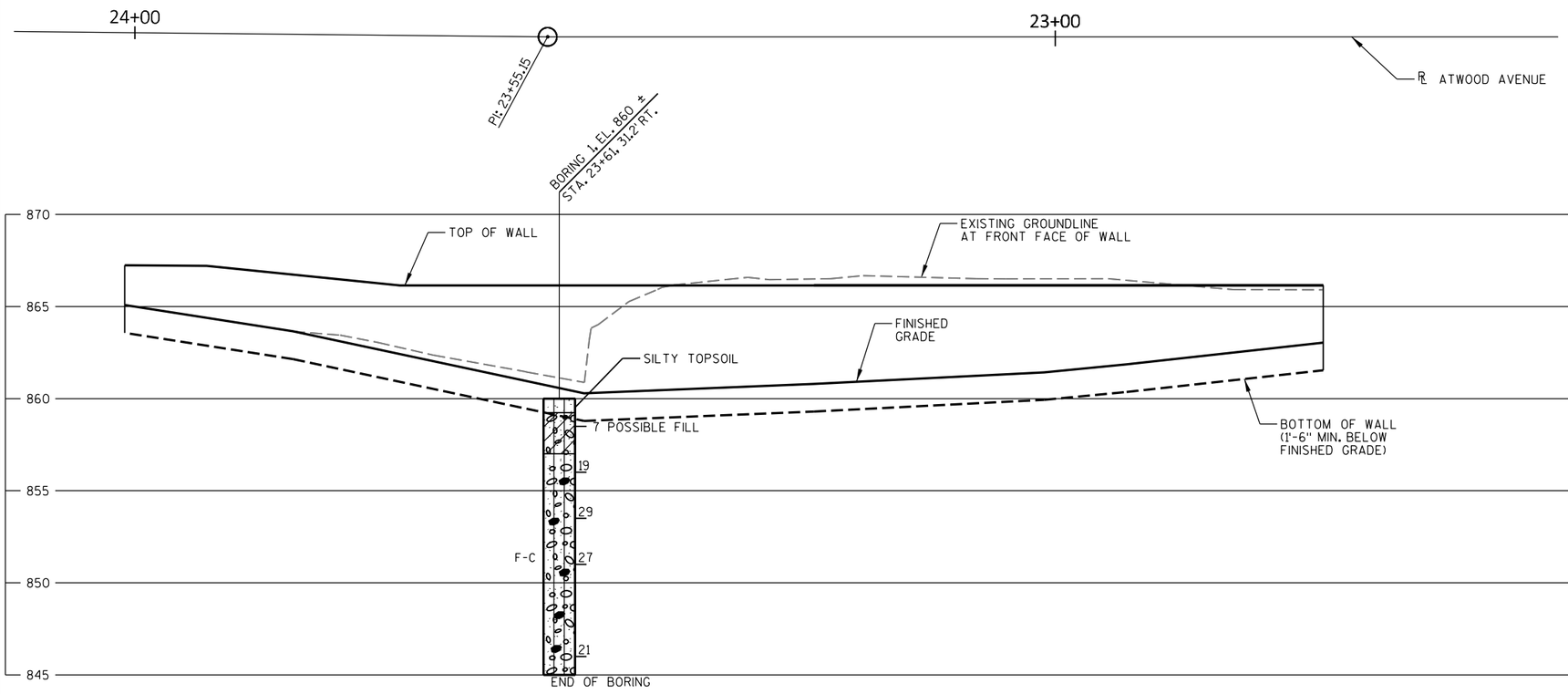


BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	04-01-2019	489,181	833,738
BORINGS COMPLETED BY: CGC, INC.			
REPORT COMPLETED BY: CGC, INC.			
ALL COORDINATES REFERENCED TO WCCS DANE COUNTY			



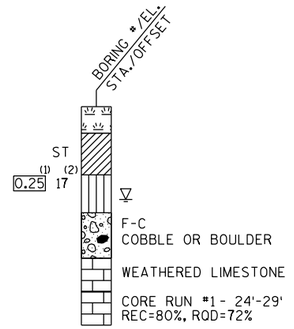
STATE PROJECT NUMBER

5992-10-16

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-13-336

DRAWN BY RLR | PLANS CK'D. JZ

SUBSURFACE EXPLORATION

SHEET 3 OF 3
586

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PROJECT NO: 5992-10-16

HWY: ATWOOD AVENUE

COUNTY: DANE

EARTHWORK DATA

SHEET:

5992-10-16 STAGE 2A/2B - WALTER STREET

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
650+25.00	65025.00	0.00	127.51	0.00	0.00	0	0	0	0	0	0
650+50.00	65050.00	25.00	263.07	49.06	0.00	181	23	0	181	0	158
650+75.00	65075.00	25.00	176.06	34.40	1.83	203	39	1	384	1	321
651+00.00	65100.00	25.00	215.03	20.53	0.00	181	25	1	565	3	476
651+25.00	65125.00	25.00	190.50	18.49	0.42	188	18	0	753	3	646
651+50.00	65150.00	25.00	175.70	18.36	0.11	170	17	0	923	3	799
651+75.00	65175.00	25.00	153.60	11.84	0.95	152	14	0	1,075	3	937
652+00.00	65200.00	25.00	113.37	11.84	9.53	124	11	5	1,199	9	1,043
652+25.00	65225.00	25.00	91.69	11.84	1.02	95	11	5	1,294	15	1,121
652+50.00	65250.00	25.00	60.90	11.84	0.00	71	11	0	1,365	15	1,181
652+68.53	65268.53	18.53	58.35	11.84	0.00	41	8	0	1,406	15	1,214

5992-10-16 STAGE 2B-3C - OAKRIDGE AVENUE

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+62.37	1062.37	0.00	100.24	0.00	0.00	0	0	0	0	0	0
10+70.00	1070.00	7.63	107.33	0.00	4.50	29	0	1	29	1	28
10+75.00	1075.00	5.00	102.83	0.00	4.71	19	0	1	48	3	46
10+78.75	1078.75	3.75	96.64	0.00	3.69	14	0	1	62	4	58
10+90.00	1090.00	11.25	16.77	0.00	2.25	24	0	1	86	5	81
11+00.00	1100.00	10.00	15.91	0.00	1.80	6	0	1	92	6	86
11+12.39	1112.39	12.39	16.49	0.00	4.73	7	0	1	99	8	92

5992-10-16 STAGE 2B-3C - LAKELAND PARKING LOT CAT 0100

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
400+00.00	40000.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0
400+25.00	40025.00	25.00	63.59	0.00	1.16	29	0	1	29	1	28
400+36.05	40036.05	11.05	101.62	0.00	0.85	34	0	0	63	1	62
400+50.00	40050.00	13.95	100.27	0.00	2.12	52	0	1	115	3	113
401+00.00	40100.00	50.00	98.11	0.00	2.55	184	0	4	299	8	292
401+50.00	40150.00	50.00	98.14	0.00	4.00	182	0	6	481	15	466
402+00.00	40200.00	50.00	85.68	0.00	5.75	170	0	9	651	26	625
402+25.00	40225.00	25.00	51.39	0.00	0.79	63	0	3	714	30	684
402+50.00	40250.00	25.00	52.62	0.00	0.00	48	0	0	762	30	732
402+75.00	40275.00	25.00	52.16	0.00	0.00	49	0	0	811	30	781
403+00.00	40300.00	25.00	56.07	0.00	0.00	50	0	0	861	30	831
403+21.39	40321.39	21.39	46.41	0.00	0.00	41	0	0	902	30	872

CONTINUED ON NEXT PAGE.

PLOT DATE: September 12, 2022
PLOT BY: MSA
PLOT NAME:
PLOT SCALE: 1:1

5992-10-16 STAGE 2B-3C - ATWOOD AVENUE

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
11+50.00	1150.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0
12+00.00	1200.00	50.00	0.00	0.00	0.00	0	0	0	0	0	0
12+75.00	1275.00	75.00	115.90	27.89	0.00	161	39	0	161	0	122
13+00.00	1300.00	25.00	108.40	27.89	0.02	104	26	0	265	0	200
13+50.00	1350.00	50.00	113.83	27.89	0.03	206	52	0	471	0	354
14+00.00	1400.00	50.00	112.31	27.89	0.00	209	52	0	680	0	511
14+50.00	1450.00	50.00	108.28	27.89	0.00	204	52	0	884	0	663
15+00.00	1500.00	50.00	103.34	27.89	0.00	196	52	0	1,080	0	807
15+50.00	1550.00	50.00	234.56	68.67	0.00	313	89	0	1,393	0	1,031
16+00.00	1600.00	50.00	94.57	27.89	0.07	305	89	0	1,698	0	1,247
16+50.00	1650.00	50.00	94.89	27.89	0.02	175	52	0	1,873	0	1,370
17+00.00	1700.00	50.00	100.24	27.89	0.08	181	52	0	2,054	0	1,499
17+50.00	1750.00	50.00	106.39	27.89	0.04	191	52	0	2,245	0	1,638
18+00.00	1800.00	50.00	117.21	27.89	0.00	207	52	0	2,452	0	1,793
18+50.00	1850.00	50.00	144.34	27.89	0.00	242	52	0	2,694	0	1,983
18+75.00	1875.00	25.00	289.93	79.50	0.00	201	50	0	2,895	0	2,134
19+00.00	1900.00	25.00	216.42	57.48	0.00	234	63	0	3,129	0	2,305
19+50.00	1950.00	50.00	115.19	27.89	0.36	307	79	0	3,436	0	2,533
19+87.00	1987.00	37.00	120.02	27.89	0.00	161	38	0	3,597	0	2,656
20+00.00	2000.00	13.00	117.54	27.89	0.00	57	13	0	3,654	0	2,700
20+50.00	2050.00	50.00	113.92	27.89	0.00	214	52	0	3,868	0	2,862
20+75.00	2075.00	25.00	119.00	27.89	0.00	108	26	0	3,976	0	2,944
21+00.00	2100.00	25.00	126.71	27.89	0.00	114	26	0	4,090	0	3,032
21+25.00	2125.00	25.00	199.51	50.66	0.00	151	36	0	4,241	0	3,147
21+50.00	2150.00	25.00	110.28	27.89	0.00	143	36	0	4,384	0	3,254
21+66.00	2166.00	16.00	120.55	27.89	0.04	68	17	0	4,452	0	3,305
22+00.00	2200.00	34.00	111.35	27.89	0.10	146	35	0	4,598	0	3,416
22+50.00	2250.00	50.00	103.04	27.89	0.30	199	52	0	4,797	0	3,563
22+75.00	2275.00	25.00	125.27	27.89	0.44	106	26	0	4,903	0	3,643
22+90.00	2290.00	15.00	136.07	27.89	0.35	73	15	0	4,976	0	3,701
23+00.00	2300.00	10.00	135.82	27.89	0.30	50	10	0	5,026	0	3,741
23+50.00	2350.00	50.00	188.57	27.89	0.04	300	52	0	5,326	0	3,989
24+00.00	2400.00	50.00	299.45	75.00	0.00	452	95	0	5,778	0	4,346
24+50.00	2450.00	50.00	153.28	36.86	0.04	419	104	0	6,197	0	4,661
25+00.00	2500.00	50.00	168.98	36.86	0.00	298	68	0	6,495	0	4,891
25+50.00	2550.00	50.00	174.18	36.86	0.00	318	68	0	6,813	0	5,141
26+00.00	2600.00	50.00	180.06	36.86	0.00	328	68	0	7,141	0	5,401
26+50.00	2650.00	50.00	175.32	36.86	0.00	329	68	0	7,470	0	5,662
27+00.00	2700.00	50.00	171.40	36.86	0.00	321	68	0	7,791	0	5,915
27+50.00	2750.00	50.00	159.66	36.86	0.00	307	68	0	8,098	0	6,154
28+00.00	2800.00	50.00	154.60	36.86	0.00	291	68	0	8,389	0	6,377
28+50.00	2850.00	50.00	157.76	36.86	0.09	289	68	0	8,678	0	6,598
29+00.00	2900.00	50.00	162.10	36.86	0.20	296	68	0	8,974	0	6,826
29+50.00	2950.00	50.00	161.36	36.86	0.21	299	68	0	9,273	0	7,057
30+00.00	3000.00	50.00	164.24	36.86	0.03	301	68	0	9,574	0	7,290
30+50.00	3050.00	50.00	166.05	36.86	0.01	306	68	0	9,880	0	7,528
31+00.00	3100.00	50.00	163.08	36.86	0.00	305	68	0	10,185	0	7,765
31+50.00	3150.00	50.00	157.60	36.86	0.01	297	68	0	10,482	0	7,994
32+00.00	3200.00	50.00	148.11	36.86	0.00	283	68	0	10,765	0	8,209
32+02.79	3202.79	2.79	150.71	36.86	0.00	15	4	0	10,780	0	8,220
32+78.88	3278.88	0.00	146.34	36.86	0.00	0	0	0	10,780	0	8,220
33+00.00	3300.00	21.12	145.77	36.86	0.14	114	29	0	10,894	0	8,305
33+50.00	3350.00	50.00	161.02	36.86	0.15	284	68	0	11,178	0	8,521
34+00.00	3400.00	50.00	171.97	36.86	0.05	308	68	0	11,486	0	8,761
34+10.00	3410.00	10.00	171.59	36.86	0.14	64	14	0	11,550	0	8,811
34+50.00	3450.00	40.00	164.82	36.86	0.13	249	55	0	11,799	0	9,005
35+00.00	3500.00	50.00	165.24	36.86	0.04	306	68	0	12,105	0	9,243
35+50.00	3550.00	50.00	165.36	36.86	0.00	306	68	0	12,411	0	9,481
36+00.00	3600.00	50.00	172.38	36.86	0.00	313	68	0	12,724	0	9,726
36+50.00	3650.00	50.00	179.17	36.86	0.00	326	68	0	13,050	0	9,984
36+82.57	3682.57	32.57	184.56	36.86	0.00	219	44	0	13,269	0	10,159
37+00.00	3700.00	17.43	181.53	36.86	0.00	118	24	0	13,387	0	10,253
37+25.00	3725.00	25.00	180.47	36.86	0.00	168	34	0	13,555	0	10,387
37+50.00	3750.00	25.00	180.41	36.86	0.00	167	34	0	13,722	0	10,520
38+00.00	3800.00	50.00	180.82	36.86	0.00	334	68	0	14,056	0	10,786
38+50.00	3850.00	50.00	175.71	36.86	0.00	330	68	0	14,386	0	11,048
39+00.00	3900.00	50.00	171.53	36.86	0.00	322	68	0	14,708	0	11,302
39+50.00	3950.00	50.00	171.00	36.86	0.00	317	68	0	15,025	0	11,551
40+00.00	4000.00	50.00	173.56	36.86	0.00	319	68	0	15,344	0	11,802
40+50.00	4050.00	50.00	175.78	37.50	0.00	323	69	0	15,667	0	12,056
41+00.00	4100.00	50.00	180.90	38.25	0.06	330	70	0	15,997	0	12,316
41+50.00	4150.00	50.00	184.47	39.19	0.00	338	72	0	16,335	0	12,582
42+00.00	4200.00	50.00	185.04	40.61	0.00	342	74	0	16,677	0	12,850
42+50.00	4250.00	50.00	173.62	42.50	0.00	332	77	0	17,009	0	13,105
43+00.00	4300.00	50.00	163.13	44.63	0.00	312	81	0	17,321	0	13,336
43+50.00	4350.00	50.00	164.78	47.16	0.00	304	85	0	17,625	0	13,555
44+00.00	4400.00	50.00	165.22	49.22	0.00	306	89	0	17,931	0	13,772
44+50.00	4450.00	50.00	173.61	50.27	0.09	314	92	0	18,245	0	13,994
45+00.00	4500.00	50.00	171.99	50.51	0.07	320	93	0	18,565	0	14,221
45+50.00	4550.00	50.00	251.30	50.03	0.49	392	93	1	18,957	1	14,519

CONTINUED ON NEXT PAGE

PLOT DATE : September 12, 2022
PLOT BY : MSA
PLOT NAME :
PLOT SCALE : 1:1

5992-10-16 STAGE 2B-3C - ATWOOD AVENUE

CONTINUED FROM PREVIOUS PAGE.

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
46+00.00	4600.00	50.00	224.29	79.03	0.00	440	120	0	19,397	1	14,839
46+25.00	4625.00	25.00	165.85	101.98	0.00	181	84	0	19,578	1	14,936
46+50.00	4650.00	25.00	185.80	68.48	0.00	163	79	0	19,741	1	15,020
47+00.00	4700.00	50.00	176.28	58.61	0.00	335	118	0	20,076	1	15,237
47+50.00	4750.00	50.00	184.27	52.49	0.00	334	103	0	20,410	1	15,468
48+00.00	4800.00	50.00	171.75	47.71	0.00	330	93	0	20,740	1	15,705
48+50.00	4850.00	50.00	135.45	44.30	0.00	284	85	0	21,024	1	15,904
49+00.00	4900.00	50.00	133.05	42.20	0.00	249	80	0	21,273	1	16,073
49+50.00	4950.00	50.00	136.11	41.21	0.00	249	77	0	21,522	1	16,245
49+75.00	4975.00	25.00	137.69	40.79	0.00	127	38	0	21,649	1	16,334
50+00.00	5000.00	25.00	133.52	40.36	0.00	126	38	0	21,775	1	16,422
50+50.00	5050.00	50.00	126.76	39.14	0.00	241	74	0	22,016	1	16,589
51+00.00	5100.00	50.00	134.39	39.03	0.00	242	72	0	22,258	1	16,759
51+25.00	5125.00	25.00	214.04	61.48	0.00	161	47	0	22,419	1	16,873
51+50.00	5150.00	25.00	209.61	61.48	0.00	196	57	0	22,615	1	17,012
52+00.00	5200.00	50.00	102.20	36.95	0.01	289	91	0	22,904	1	17,210
52+50.00	5250.00	50.00	104.71	36.95	0.00	192	68	0	23,096	1	17,334
52+90.00	5290.00	40.00	110.35	36.95	0.00	159	55	0	23,255	1	17,438
53+00.00	5300.00	10.00	110.05	36.95	0.00	41	14	0	23,296	1	17,465
53+37.00	5337.00	37.00	111.61	36.95	0.00	152	51	0	23,448	1	17,566
53+50.00	5350.00	13.00	112.11	36.95	0.00	54	18	0	23,502	1	17,602
53+75.00	5375.00	25.00	111.64	36.95	0.00	104	34	0	23,606	1	17,672
54+00.00	5400.00	25.00	111.22	36.95	0.00	103	34	0	23,709	1	17,741
54+25.00	5425.00	25.00	111.95	36.95	0.00	103	34	0	23,812	1	17,810
54+50.00	5450.00	25.00	110.30	36.95	0.00	103	34	0	23,915	1	17,879
54+64.00	5464.00	14.00	110.69	36.95	0.00	57	19	0	23,972	1	17,917
55+00.00	5500.00	36.00	117.80	36.95	0.06	152	49	0	24,124	1	18,020
55+25.00	5525.00	25.00	174.31	36.95	0.00	135	34	0	24,259	1	18,121
55+50.00	5550.00	25.00	220.13	36.95	0.00	183	34	0	24,442	1	18,270
56+00.00	5600.00	50.00	110.64	36.95	0.00	306	68	0	24,748	1	18,508
56+50.00	5650.00	50.00	111.20	36.95	0.00	205	68	0	24,953	1	18,645
56+87.00	5687.00	37.00	108.12	36.95	0.00	150	51	0	25,103	1	18,744
57+00.00	5700.00	13.00	108.20	36.95	0.00	52	18	0	25,155	1	18,778
57+40.04	5740.04	40.04	107.84	36.95	0.00	160	55	0	25,315	1	18,883
57+50.00	5750.00	9.96	107.83	36.95	0.00	40	14	0	25,355	1	18,909
57+60.04	5760.04	10.04	108.00	36.95	0.00	40	14	0	25,395	1	18,935
58+00.00	5800.00	39.96	107.62	36.95	0.00	160	55	0	25,555	1	19,040
58+50.00	5850.00	50.00	123.19	36.95	0.00	214	68	0	25,769	1	19,186
58+94.82	5894.82	44.82	125.35	36.95	0.58	206	61	0	25,975	1	19,331
59+00.00	5900.00	5.18	124.57	36.95	0.63	24	7	0	25,999	1	19,348
59+25.00	5925.00	25.00	127.70	36.95	0.00	117	34	0	26,116	1	19,431
59+42.00	5942.00	17.00	126.74	36.95	0.48	80	23	0	26,196	1	19,488
59+50.00	5950.00	8.00	127.85	36.95	0.37	38	11	0	26,234	1	19,515
60+00.00	6000.00	50.00	140.24	36.95	0.00	248	68	0	26,482	1	19,695
60+50.00	6050.00	50.00	142.43	36.95	0.50	262	68	0	26,744	1	19,889
60+75.00	6075.00	25.00	145.82	36.95	0.00	133	34	0	26,877	1	19,988
61+00.00	6100.00	25.00	149.27	36.95	0.37	137	34	0	27,014	1	20,091
61+33.00	6133.00	33.00	248.45	36.95	0.01	243	45	0	27,257	1	20,289
61+50.00	6150.00	17.00	234.05	36.95	0.23	152	23	0	27,409	1	20,418
62+00.00	6200.00	50.00	118.89	36.95	0.00	327	68	0	27,736	1	20,677
62+50.00	6250.00	50.00	127.72	36.95	0.01	228	68	0	27,964	1	20,837
62+75.00	6275.00	25.00	125.76	36.95	0.30	117	34	0	28,081	1	20,920
63+00.00	6300.00	25.00	126.99	36.95	0.13	117	34	0	28,198	1	21,003
63+25.00	6325.00	25.00	132.28	36.95	0.00	120	34	0	28,318	1	21,089
63+50.00	6350.00	25.00	133.87	36.95	0.00	123	34	0	28,441	1	21,178
63+75.00	6375.00	25.00	135.84	36.95	0.00	125	34	0	28,566	1	21,269
63+80.95	6380.95	5.95	136.38	36.95	0.00	30	8	0	28,596	1	21,291
64+00.00	6400.00	19.05	138.51	36.95	0.00	97	26	0	28,693	1	21,362
64+37.00	6437.00	37.00	136.64	36.95	0.05	189	51	0	28,882	1	21,500
64+50.00	6450.00	13.00	137.18	36.95	0.00	66	18	0	28,948	1	21,548
64+75.00	6475.00	25.00	133.38	36.95	0.13	125	34	0	29,073	1	21,639
65+00.00	6500.00	25.00	132.42	36.95	0.01	123	34	0	29,196	1	21,728
65+50.00	6550.00	50.00	133.60	36.95	0.02	246	68	0	29,442	1	21,906
65+63.08	6563.08	13.08	134.01	36.95	0.01	65	18	0	29,507	1	21,953
66+00.00	6600.00	36.92	134.21	36.95	0.00	183	51	0	29,690	1	22,085
66+50.00	6650.00	50.00	137.43	22.94	0.00	252	55	0	29,942	1	22,282
67+00.00	6700.00	50.00	146.92	24.61	0.00	263	44	0	30,205	1	22,501
67+25.00	6725.00	25.00	149.52	25.55	0.00	137	23	0	30,342	1	22,615
67+50.00	6750.00	25.00	151.60	26.21	0.00	139	24	0	30,481	1	22,730
68+00.00	6800.00	50.00	154.91	26.69	0.00	284	49	0	30,765	1	22,965
68+10.00	6810.00	10.00	156.67	26.69	0.00	58	10	0	30,823	1	23,013
68+25.00	6825.00	15.00	14.87	0.00	0.00	48	7	0	30,871	1	23,054
68+50.00	6850.00	25.00	14.49	0.00	0.00	14	0	0	30,885	1	23,068
69+00.00	6900.00	50.00	14.62	0.00	0.00	27	0	0	30,912	1	23,095
69+39.40	6939.40	39.40	14.55	0.00	0.00	21	0	0	30,933	1	23,116
69+50.00	6950.00	10.60	14.47	0.00	0.00	6	0	0	30,939	1	23,122
70+00.00	7000.00	50.00	14.42	0.00	0.00	27	0	0	30,966	1	23,149
70+10.30	7010.30	10.30	12.61	0.00	0.00	5	0	0	30,971	1	23,154
70+20.75	7020.75	10.45	23.46	0.00	0.00	7	0	0	30,978	1	23,161
70+25.00	7025.00	4.25	28.13	0.00	0.00	4	0	0	30,982	1	23,165
70+50.00	7050.00	25.00	30.16	0.00	0.00	27	0	0	31,009	1	23,192
70+75.00	7075.00	25.00	40.36	0.00	0.00	33	0	0	31,042	1	23,225
70+83.71	7083.71	8.71	36.33	0.00	0.00	12	0	0	31,054	1	23,237

PLOT DATE : September 12, 2022
PLOT BY : MSA
PLOT NAME :
PLOT SCALE : 1:1

PROJECT NO: 5992-10-17

HWY: ATWOOD AVENUE

COUNTY: DANE

EARTHWORK DATA

SHEET:

5992-10-17 STAGE 1 - LAKELAND MULTI-USE PATH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.25	NOTE 8
109+65.53	10965.53	0.00	3.47	0.00	33.36	0	0	0	0	0	0
110+00.00	11000.00	34.47	1.53	0.00	48.75	3	0	52	3	65	-62
110+50.00	11050.00	50.00	0.45	0.00	65.44	2	0	106	5	198	-193
111+00.00	11100.00	50.00	0.01	0.00	97.95	0	0	151	5	386	-381
111+25.00	11125.00	25.00	0.38	0.00	141.18	0	0	111	5	525	-520
111+43.37	11143.37	18.37	2.40	0.00	174.22	1	0	107	6	659	-653
112+18.87	11218.87	0.00	0.00	0.00	152.53	0	0	0	6	659	-653
112+25.00	11225.00	6.13	0.00	0.00	124.10	0	0	31	6	698	-692
112+50.00	11250.00	25.00	0.07	0.00	73.07	0	0	91	6	811	-805
113+00.00	11300.00	50.00	0.29	0.00	40.53	0	0	105	6	943	-937
113+50.00	11350.00	50.00	1.57	0.00	14.26	2	0	51	8	1,006	-998
113+66.06	11366.06	16.06	2.47	0.00	6.79	1	0	6	9	1,014	-1,005

5992-10-17 STAGE 2A/2B - WALTER STREET

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.25	NOTE 8
650+25.00	65025.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0
650+50.00	65050.00	25.00	0.00	0.00	0.00	0	0	0	0	0	0
650+75.00	65075.00	25.00	40.49	0.00	0.00	19	0	0	19	0	19
651+00.00	65100.00	25.00	20.46	0.00	0.00	28	0	0	47	0	47
651+25.00	65125.00	25.00	30.61	0.00	0.00	24	0	0	71	0	71
651+50.00	65150.00	25.00	40.08	0.00	0.00	33	0	0	104	0	104
651+75.00	65175.00	25.00	42.40	0.00	0.00	38	0	0	142	0	142
652+00.00	65200.00	25.00	43.16	0.00	0.00	40	0	0	182	0	182
652+25.00	65225.00	25.00	39.12	0.00	0.00	38	0	0	220	0	220
652+50.00	65250.00	25.00	30.60	0.00	0.00	32	0	0	252	0	252
652+68.53	65268.53	18.53	26.67	0.00	0.00	20	0	0	272	0	272

5992-10-17 STAGE 2A/2B - WALTER STREET MULTI-USE PATH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.25	NOTE 8
201+50.00	20150.00	0.00	18.01	0.00	0.00	0	0	0	0	0	0
202+00.00	20200.00	50.00	13.30	0.00	0.00	29	0	0	29	0	29
202+50.00	20250.00	50.00	12.88	0.00	0.00	24	0	0	53	0	53
203+00.00	20300.00	50.00	10.94	0.00	0.01	22	0	0	75	0	75
203+50.00	20350.00	50.00	10.86	0.00	0.00	20	0	0	95	0	95
204+00.00	20400.00	50.00	11.30	0.00	0.00	21	0	0	116	0	116
204+10.00	20410.00	10.00	9.95	0.00	0.00	4	0	0	120	0	120
204+25.00	20425.00	15.00	10.08	0.00	0.00	6	0	0	126	0	126
204+50.00	20450.00	25.00	10.49	0.00	0.04	10	0	0	136	0	136
204+65.00	20465.00	15.00	10.10	0.00	0.16	6	0	0	142	0	142
205+00.00	20500.00	35.00	10.09	0.00	0.29	13	0	0	155	0	155
205+50.00	20550.00	50.00	9.59	0.00	0.29	18	0	1	173	1	172
205+60.00	20560.00	10.00	9.62	0.00	0.32	4	0	0	177	1	176
206+00.00	20600.00	40.00	12.20	0.00	0.16	16	0	0	193	1	192
206+10.00	20610.00	10.00	10.84	0.00	0.07	4	0	0	197	1	196
206+20.00	20620.00	10.00	11.40	0.00	0.00	4	0	0	201	1	200

CONTINUED ON NEXT PAGE.

PLOT DATE : September 12, 2022

PLOT BY : MSA

PLOT NAME :

PLOT SCALE : 1:1

590

E

PROJECT NO: 5992-10-17

HWY: ATWOOD AVENUE

COUNTY: DANE

EARTHWORK DATA

SHEET:

PLOT DATE : September 12, 2022

PLOT BY : MSA

PLOT NAME :

PLOT SCALE : 1:1

591

E

5992-10-17 STAGE 2B-3C - ATWOOD AVENUE

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
24+00.00	2400.00	50.00	0.00	0.00	0.00	0	0	0	0	0	0
24+50.00	2450.00	50.00	24.65	0.00	0.00	23	0	0	23	0	23
25+00.00	2500.00	50.00	21.75	0.00	0.00	43	0	0	66	0	66
25+50.00	2550.00	50.00	19.67	0.00	1.43	38	0	1	104	1	103
26+00.00	2600.00	50.00	28.79	0.00	0.23	45	0	2	149	4	145
26+50.00	2650.00	50.00	27.00	0.00	0.00	52	0	0	201	4	197
27+00.00	2700.00	50.00	37.44	0.00	0.00	60	0	0	261	4	257
27+50.00	2750.00	50.00	0.00	0.00	0.00	35	0	0	296	4	292
28+00.00	2800.00	50.00	0.00	0.00	0.00	0	0	0	296	4	292
28+50.00	2850.00	50.00	0.00	0.00	0.00	0	0	0	296	4	292
29+00.00	2900.00	50.00	0.00	0.00	0.00	0	0	0	296	4	292
29+50.00	2950.00	50.00	0.00	0.00	0.00	0	0	0	296	4	292
30+00.00	3000.00	50.00	0.00	0.00	0.00	0	0	0	296	4	292
30+50.00	3050.00	50.00	0.00	0.00	0.00	0	0	0	296	4	292
31+00.00	3100.00	50.00	0.00	0.00	0.00	0	0	0	296	4	292
31+50.00	3150.00	50.00	0.00	0.00	0.00	0	0	0	296	4	292
32+00.00	3200.00	50.00	0.04	0.00	0.00	0	0	0	296	4	292
32+02.79	3202.79	2.79	0.00	0.00	0.00	0	0	0	296	4	292
32+78.88	3278.88	0.00	0.00	0.00	0.00	0	0	0	296	4	292
33+00.00	3300.00	21.12	0.00	0.00	0.00	0	0	0	296	4	292
33+50.00	3350.00	50.00	0.00	0.00	0.00	0	0	0	296	4	292
34+00.00	3400.00	50.00	0.00	0.00	0.00	0	0	0	296	4	292
34+10.00	3410.00	10.00	0.00	0.00	0.00	0	0	0	296	4	292
34+50.00	3450.00	40.00	0.00	0.00	0.00	0	0	0	296	4	292
35+00.00	3500.00	50.00	0.00	0.00	0.00	0	0	0	296	4	292
35+50.00	3550.00	50.00	0.00	0.00	0.00	0	0	0	296	4	292
36+00.00	3600.00	50.00	0.00	0.00	0.00	0	0	0	296	4	292
36+50.00	3650.00	50.00	0.00	0.00	0.00	0	0	0	296	4	292
36+82.57	3682.57	32.57	36.13	0.00	0.00	22	0	0	318	4	314
37+00.00	3700.00	17.43	61.04	0.00	0.00	31	0	0	349	4	345
37+25.00	3725.00	25.00	49.26	0.00	0.00	51	0	0	400	4	396
37+50.00	3750.00	25.00	29.70	0.00	0.00	37	0	0	437	4	433
38+00.00	3800.00	50.00	28.45	0.00	0.00	54	0	0	491	4	487
38+50.00	3850.00	50.00	28.55	0.00	0.00	53	0	0	544	4	540
39+00.00	3900.00	50.00	23.07	0.00	0.01	48	0	0	592	4	588
39+50.00	3950.00	50.00	24.74	0.00	0.00	44	0	0	636	4	632
40+00.00	4000.00	50.00	24.44	0.00	0.03	46	0	0	682	4	678
40+50.00	4050.00	50.00	24.48	0.00	0.01	45	0	0	727	4	723
41+00.00	4100.00	50.00	22.50	0.00	0.30	44	0	0	771	4	767
41+50.00	4150.00	50.00	19.00	0.00	1.52	38	0	2	809	6	803
42+00.00	4200.00	50.00	15.64	0.00	3.07	32	0	4	841	11	830
42+50.00	4250.00	50.00	11.94	0.00	4.68	26	0	7	867	20	847
43+00.00	4300.00	50.00	9.43	0.00	4.72	20	0	9	887	31	856
43+50.00	4350.00	50.00	9.70	0.00	1.12	18	0	5	905	38	868
44+00.00	4400.00	50.00	7.31	0.00	1.54	16	0	2	921	40	881
44+50.00	4450.00	50.00	6.84	0.00	1.75	13	0	3	934	44	890
45+00.00	4500.00	50.00	6.35	0.00	2.55	12	0	4	946	49	897
45+50.00	4550.00	50.00	7.96	0.00	2.76	13	0	5	959	55	904
46+00.00	4600.00	50.00	6.83	0.00	24.25	14	0	25	973	86	887
46+25.00	4625.00	25.00	51.43	0.00	0.00	27	0	11	1,000	100	900
46+50.00	4650.00	25.00	9.01	0.00	0.51	28	0	0	1,028	100	928
47+00.00	4700.00	50.00	33.71	0.00	0.13	40	0	1	1,068	101	967
47+50.00	4750.00	50.00	31.28	0.00	0.00	60	0	0	1,128	101	1,027
48+00.00	4800.00	50.00	27.12	0.00	0.25	54	0	0	1,182	101	1,081
48+50.00	4850.00	50.00	12.45	0.00	9.20	37	0	9	1,219	113	1,107
49+00.00	4900.00	50.00	14.89	0.00	12.89	25	0	20	1,244	138	1,107
49+50.00	4950.00	50.00	15.67	0.00	7.07	28	0	18	1,272	160	1,112
49+75.00	4975.00	25.00	20.09	0.00	13.03	17	0	9	1,289	171	1,118
50+00.00	5000.00	25.00	16.65	0.00	14.66	17	0	13	1,306	188	1,119
50+50.00	5050.00	50.00	14.12	0.00	14.22	28	0	27	1,334	221	1,113
51+00.00	5100.00	50.00	4.50	0.00	12.90	17	0	25	1,351	253	1,099
51+25.00	5125.00	25.00	1.95	0.00	12.11	3	0	12	1,354	268	1,087
51+50.00	5150.00	25.00	2.98	0.00	11.90	2	0	11	1,356	281	1,075
52+00.00	5200.00	50.00	18.25	0.00	1.15	20	0	12	1,376	296	1,080
52+50.00	5250.00	50.00	17.04	0.00	1.58	33	0	3	1,409	300	1,109
52+90.00	5290.00	40.00	16.23	0.00	0.32	25	0	1	1,434	301	1,133
53+00.00	5300.00	10.00	14.82	0.00	0.35	6	0	0	1,440	301	1,139
53+37.00	5337.00	37.00	18.39	0.00	0.32	23	0	0	1,463	301	1,162
53+50.00	5350.00	13.00	17.16	0.00	0.20	9	0	0	1,472	301	1,171
53+75.00	5375.00	25.00	18.21	0.00	0.08	16	0	0	1,488	301	1,187
54+00.00	5400.00	25.00	19.02	0.00	0.07	17	0	0	1,505	301	1,204
54+25.00	5425.00	25.00	19.32	0.00	0.14	18	0	0	1,523	301	1,222
54+50.00	5450.00	25.00	14.88	0.00	0.26	16	0	0	1,539	301	1,238
54+64.00	5464.00	14.00	15.77	0.00	0.29	8	0	0	1,547	301	1,246
55+00.00	5500.00	36.00	7.67	0.00	0.23	16	0	0	1,563	301	1,262
55+25.00	5525.00	25.00	7.74	0.00	0.15	7	0	0	1,570	301	1,269
55+50.00	5550.00	25.00	8.16	0.00	0.22	7	0	0	1,577	301	1,276
56+00.00	5600.00	50.00	16.33	0.00	0.25	23	0	0	1,600	301	1,299

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5992-10-17 STAGE 2B-3C - ATWOOD AVENUE

CONTINUED FROM PREVIOUS PAGE.

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
56+50.00	5650.00	50.00	15.27	0.00	0.32	29	0	1	1,629	303	1,327
56+87.00	5687.00	37.00	16.94	0.00	0.24	22	0	0	1,651	303	1,349
57+00.00	5700.00	13.00	14.77	0.00	0.42	8	0	0	1,659	303	1,357
57+40.04	5740.04	40.04	17.30	0.00	0.73	24	0	1	1,683	304	1,379
57+50.00	5750.00	9.96	17.79	0.00	0.81	6	0	0	1,689	304	1,385
57+60.04	5760.04	10.04	18.74	0.00	0.51	7	0	0	1,696	304	1,392
58+00.00	5800.00	39.96	16.67	0.00	0.51	26	0	1	1,722	305	1,417
58+50.00	5850.00	50.00	8.00	0.00	0.00	23	0	0	1,745	305	1,440
58+94.82	5894.82	44.82	8.51	0.00	0.00	14	0	0	1,759	305	1,454
59+00.00	5900.00	5.18	8.91	0.00	0.00	2	0	0	1,761	305	1,456
59+25.00	5925.00	25.00	7.57	0.00	0.00	8	0	0	1,769	305	1,464
59+42.00	5942.00	17.00	14.90	0.00	0.00	7	0	0	1,776	305	1,471
59+50.00	5950.00	8.00	11.11	0.00	0.00	4	0	0	1,780	305	1,475
60+00.00	6000.00	50.00	16.09	0.00	0.00	25	0	0	1,805	305	1,500
60+50.00	6050.00	50.00	20.04	0.00	0.00	33	0	0	1,838	305	1,533
60+75.00	6075.00	25.00	9.12	0.00	0.02	14	0	0	1,852	305	1,547
61+00.00	6100.00	25.00	0.00	0.00	0.00	4	0	0	1,856	305	1,551
61+33.00	6133.00	33.00	0.00	0.00	0.00	0	0	0	1,856	305	1,551
61+50.00	6150.00	17.00	0.00	0.00	0.00	0	0	0	1,856	305	1,551
62+00.00	6200.00	50.00	8.93	0.00	0.00	8	0	0	1,864	305	1,559
62+50.00	6250.00	50.00	9.29	0.00	0.00	17	0	0	1,881	305	1,576
62+75.00	6275.00	25.00	9.00	0.00	0.00	8	0	0	1,889	305	1,584
63+00.00	6300.00	25.00	8.60	0.00	0.00	8	0	0	1,897	305	1,592
63+25.00	6325.00	25.00	9.23	0.00	0.00	8	0	0	1,905	305	1,600
63+50.00	6350.00	25.00	7.36	0.00	0.00	8	0	0	1,913	305	1,608
63+75.00	6375.00	25.00	9.23	0.00	0.00	8	0	0	1,921	305	1,616
63+80.95	6380.95	5.95	9.51	0.00	0.00	2	0	0	1,923	305	1,618
64+00.00	6400.00	19.05	7.10	0.00	0.00	6	0	0	1,929	305	1,624
64+37.00	6437.00	37.00	7.11	0.00	0.00	10	0	0	1,939	305	1,634
64+50.00	6450.00	13.00	6.90	0.00	0.00	3	0	0	1,942	305	1,637
64+75.00	6475.00	25.00	6.72	0.00	0.00	6	0	0	1,948	305	1,643
65+00.00	6500.00	25.00	6.82	0.00	0.00	6	0	0	1,954	305	1,649
65+50.00	6550.00	50.00	6.08	0.00	0.00	12	0	0	1,966	305	1,661
65+63.08	6563.08	13.08	6.48	0.00	0.00	3	0	0	1,969	305	1,664
66+00.00	6600.00	36.92	6.95	0.00	0.00	9	0	0	1,978	305	1,673
66+50.00	6650.00	50.00	6.87	0.00	0.00	13	0	0	1,991	305	1,686
67+00.00	6700.00	50.00	7.84	0.00	0.00	14	0	0	2,005	305	1,700
67+25.00	6725.00	25.00	8.28	0.00	0.00	7	0	0	2,012	305	1,707
67+50.00	6750.00	25.00	9.43	0.00	0.00	8	0	0	2,020	305	1,715
68+00.00	6800.00	50.00	8.28	0.00	0.00	16	0	0	2,036	305	1,731
68+10.00	6810.00	10.00	7.78	0.00	0.00	3	0	0	2,039	305	1,734
68+25.00	6825.00	15.00	10.24	0.00	0.00	5	0	0	2,044	305	1,739
68+50.00	6850.00	25.00	8.10	0.00	0.00	8	0	0	2,052	305	1,747
69+00.00	6900.00	50.00	10.35	0.00	0.00	17	0	0	2,069	305	1,764
69+39.40	6939.40	39.40	12.09	0.00	0.00	16	0	0	2,085	305	1,780
69+50.00	6950.00	10.60	12.52	0.00	0.00	5	0	0	2,090	305	1,785
70+00.00	7000.00	50.00	8.73	0.00	0.00	20	0	0	2,110	305	1,805
70+10.30	7010.30	10.30	8.93	0.00	0.00	3	0	0	2,113	305	1,808
70+20.75	7020.75	10.45	4.46	0.00	0.00	3	0	0	2,116	305	1,811
70+25.00	7025.00	4.25	0.00	0.00	0.00	0	0	0	2,116	305	1,811
70+50.00	7050.00	25.00	0.00	0.00	0.00	0	0	0	2,116	305	1,811
70+75.00	7075.00	25.00	0.00	0.00	0.00	0	0	0	2,116	305	1,811
70+83.71	7083.71	8.71	0.00	0.00	0.00	0	0	0	2,116	305	1,811

PROJECT NO: 5992-10-17

HWY: ATWOOD AVENUE

COUNTY: DANE

EARTHWORK DATA

SHEET:

PLOT DATE : September 12, 2022

PLOT BY : MSA

PLOT NAME :

PLOT SCALE : 1:1

592

E

5992-10-17 STAGE 2B-3C - LAKELAND MULTI-USE PATH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.25	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
97+33.35	9733.35	0.00	12.73	0.00	0.00	0	0	0	0	0	0
97+50.00	9750.00	16.65	15.59	0.00	2.37	9	0	1	9	1	8
97+75.00	9775.00	25.00	10.07	0.00	17.54	12	0	9	21	13	9
98+00.00	9800.00	25.00	8.05	0.00	41.76	8	0	27	29	46	-17
98+21.04	9821.04	21.04	21.61	0.00	43.82	12	0	33	41	88	-47
98+50.00	9850.00	28.96	9.40	0.00	40.81	17	0	45	58	144	-86
99+00.00	9900.00	50.00	0.00	0.00	52.64	9	0	87	67	253	-186
99+50.00	9950.00	50.00	0.47	0.00	14.43	0	0	62	67	330	-263
100+00.00	10000.00	50.00	0.00	0.00	55.28	0	0	65	67	411	-344
100+50.00	10050.00	50.00	0.00	0.00	30.56	0	0	79	67	510	-443
101+00.00	10100.00	50.00	1.42	0.00	3.20	1	0	31	68	549	-481
101+50.00	10150.00	50.00	7.08	0.00	0.43	8	0	3	76	553	-477
102+00.00	10200.00	50.00	7.70	0.00	0.21	14	0	1	90	554	-464
102+50.00	10250.00	50.00	1.02	0.00	2.09	8	0	2	98	556	-458
103+00.00	10300.00	50.00	0.32	0.00	2.84	1	0	5	99	563	-464
103+50.00	10350.00	50.00	0.00	0.00	7.78	0	0	10	99	575	-476
104+00.00	10400.00	50.00	5.05	0.00	0.73	5	0	8	104	585	-481
104+50.00	10450.00	50.00	4.36	0.00	0.95	9	0	2	113	588	-475
105+00.00	10500.00	50.00	3.36	0.00	3.04	7	0	4	120	593	-473
105+50.00	10550.00	50.00	7.24	0.00	2.02	10	0	5	130	599	-469
106+00.00	10600.00	50.00	2.27	0.00	3.54	9	0	5	139	605	-466
106+50.00	10650.00	50.00	4.23	0.00	2.33	6	0	5	145	611	-466
107+00.00	10700.00	50.00	14.09	0.00	7.77	17	0	9	162	623	-461
107+37.96	10737.96	37.96	14.44	0.00	0.93	20	0	6	182	630	-448
107+50.00	10750.00	12.04	14.62	0.00	0.42	6	0	0	188	630	-442
108+00.00	10800.00	50.00	9.88	0.00	0.67	23	0	1	211	631	-420
108+50.00	10850.00	50.00	10.79	0.00	12.30	19	0	12	230	646	-416
109+00.00	10900.00	50.00	7.87	0.00	17.96	17	0	28	247	681	-434
109+50.00	10950.00	50.00	4.93	0.00	28.22	12	0	43	259	735	-476
109+65.53	10965.53	15.53	3.47	0.00	33.36	2	0	18	261	758	-497
113+66.06	11366.06	0.00	2.47	0.00	6.79	0	0	0	261	758	-497
114+00.00	11400.00	33.94	5.16	0.00	3.36	5	0	6	266	765	-499
114+50.00	11450.00	50.00	11.69	0.00	0.77	16	0	4	282	770	-488
115+00.00	11500.00	50.00	20.86	0.00	0.00	30	0	1	312	771	-459
115+50.00	11550.00	50.00	44.33	0.00	0.00	60	0	0	372	771	-399
115+75.00	11575.00	25.00	79.44	0.00	0.00	57	0	0	429	771	-342
115+92.13	11592.13	17.13	115.13	0.00	0.00	62	0	0	491	771	-280
116+00.00	11600.00	7.87	102.25	0.00	0.00	32	0	0	523	771	-248
116+23.84	11623.84	23.84	35.83	0.00	0.00	61	0	0	584	771	-187

PROJECT NO: 5992-10-17

HWY: ATWOOD AVENUE

COUNTY: DANE

EARTHWORK DATA

SHEET:

PLOT DATE: September 12, 2022

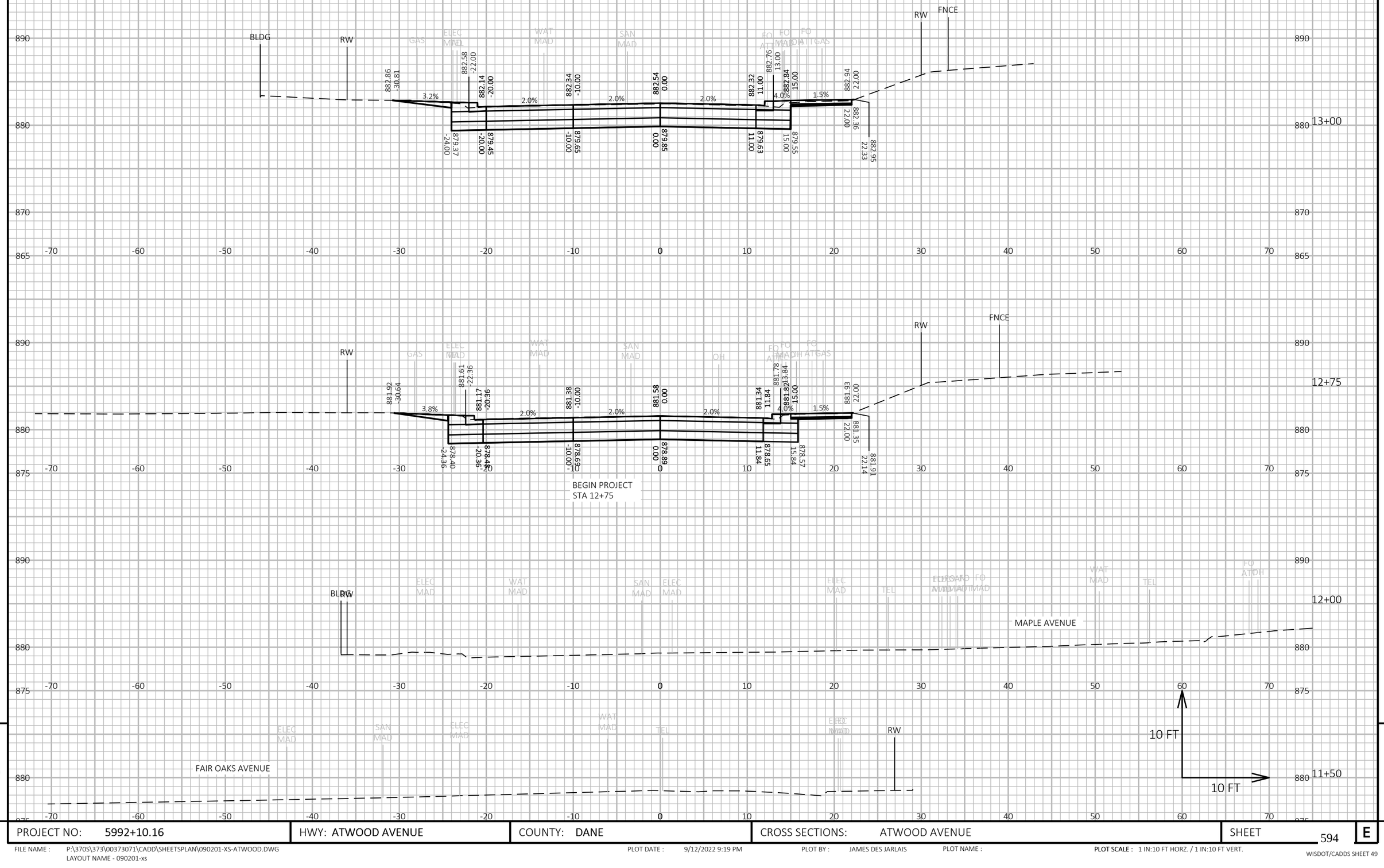
PLOT BY: MSA

PLOT NAME:

PLOT SCALE: 1:1

593

E



PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 594 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090201-xs

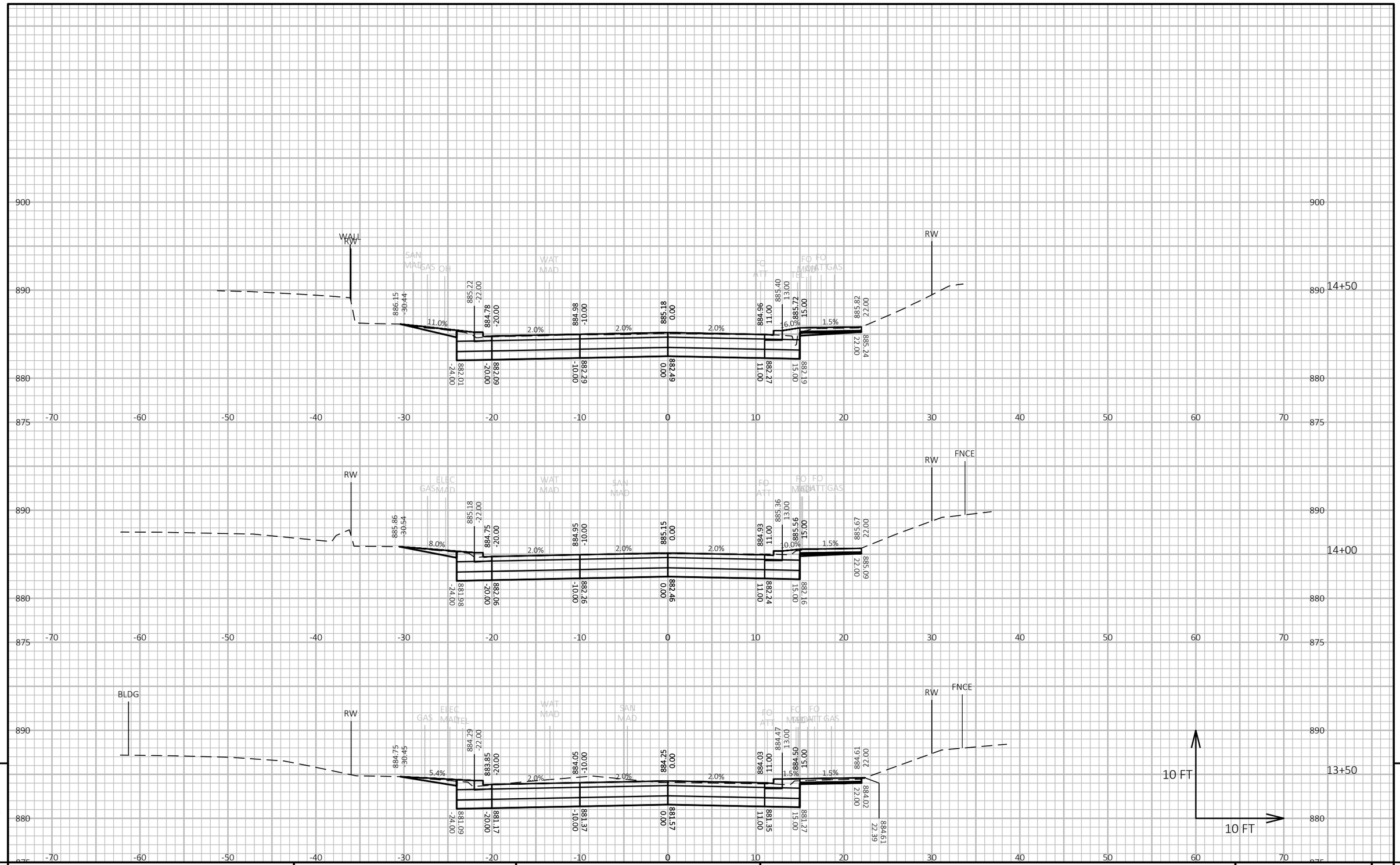
PLOT DATE : 9/12/2022 9:19 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 595 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090202-xs

PLOT DATE : 9/12/2022 9:20 PM

PLOT BY : JAMES DES JARLAIS

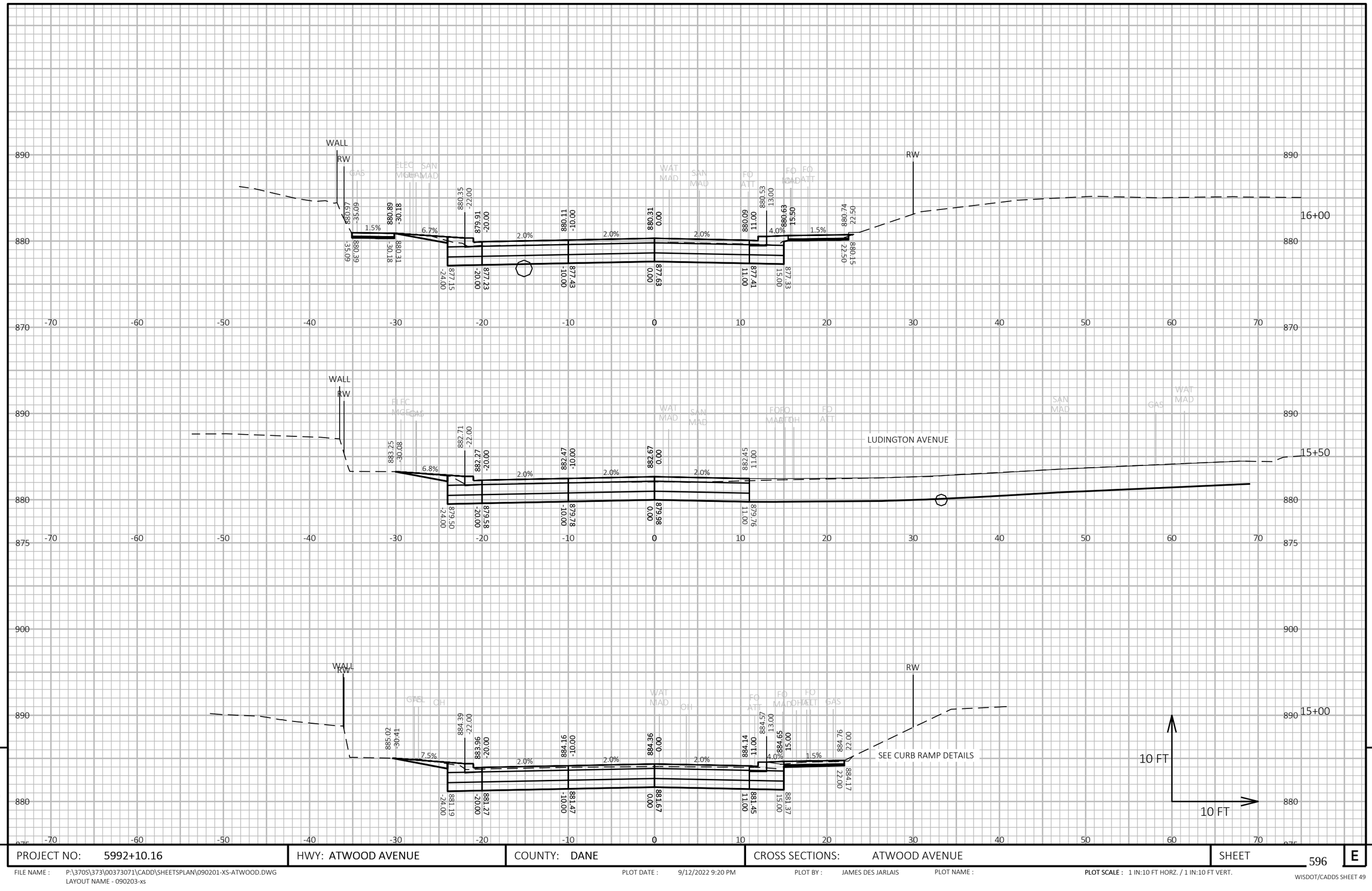
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

9



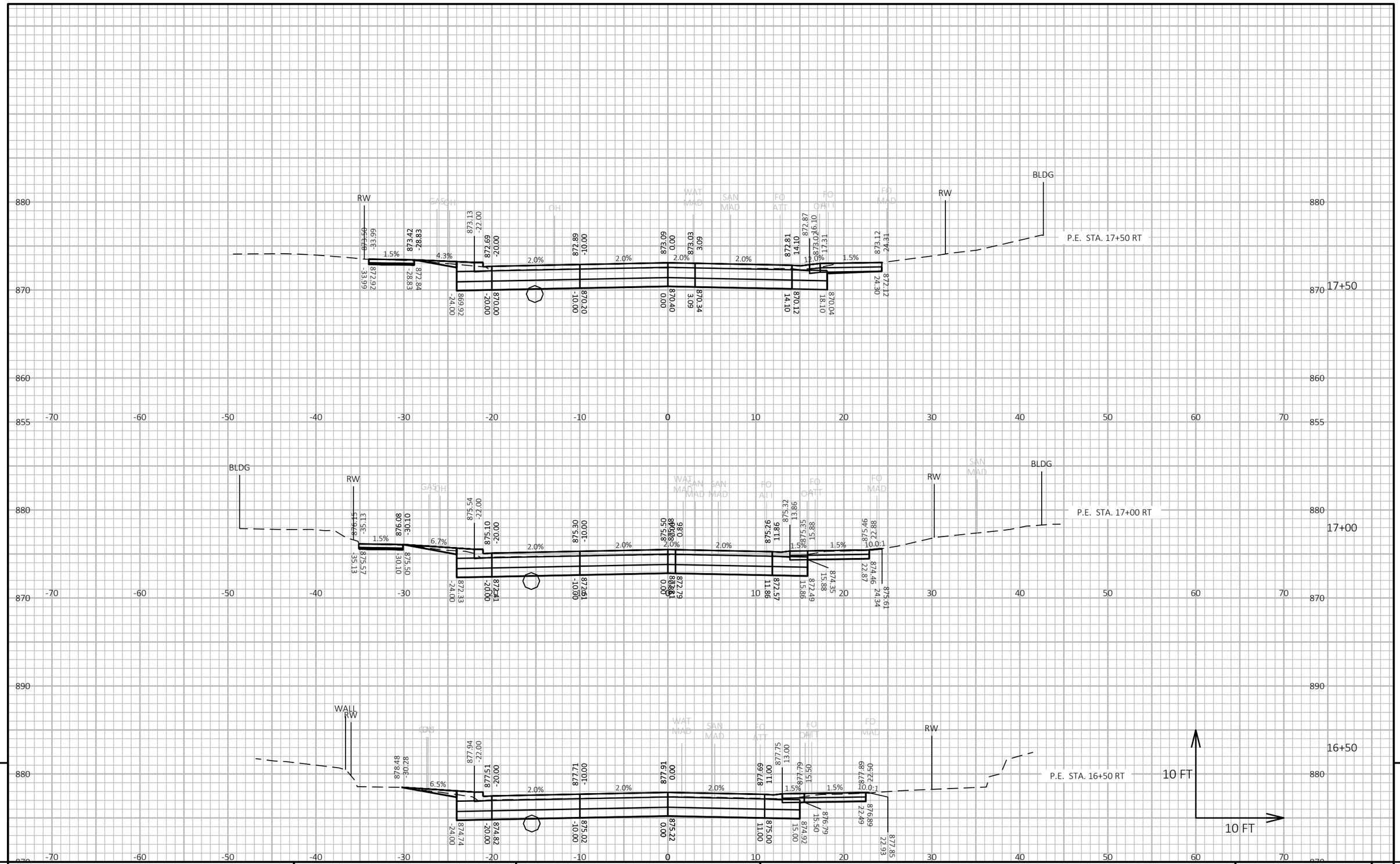
PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 596 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090203-xs

PLOT DATE : 9/12/2022 9:20 PM PLOT BY : JAMES DES JARLAIS PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 597	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090204-xs

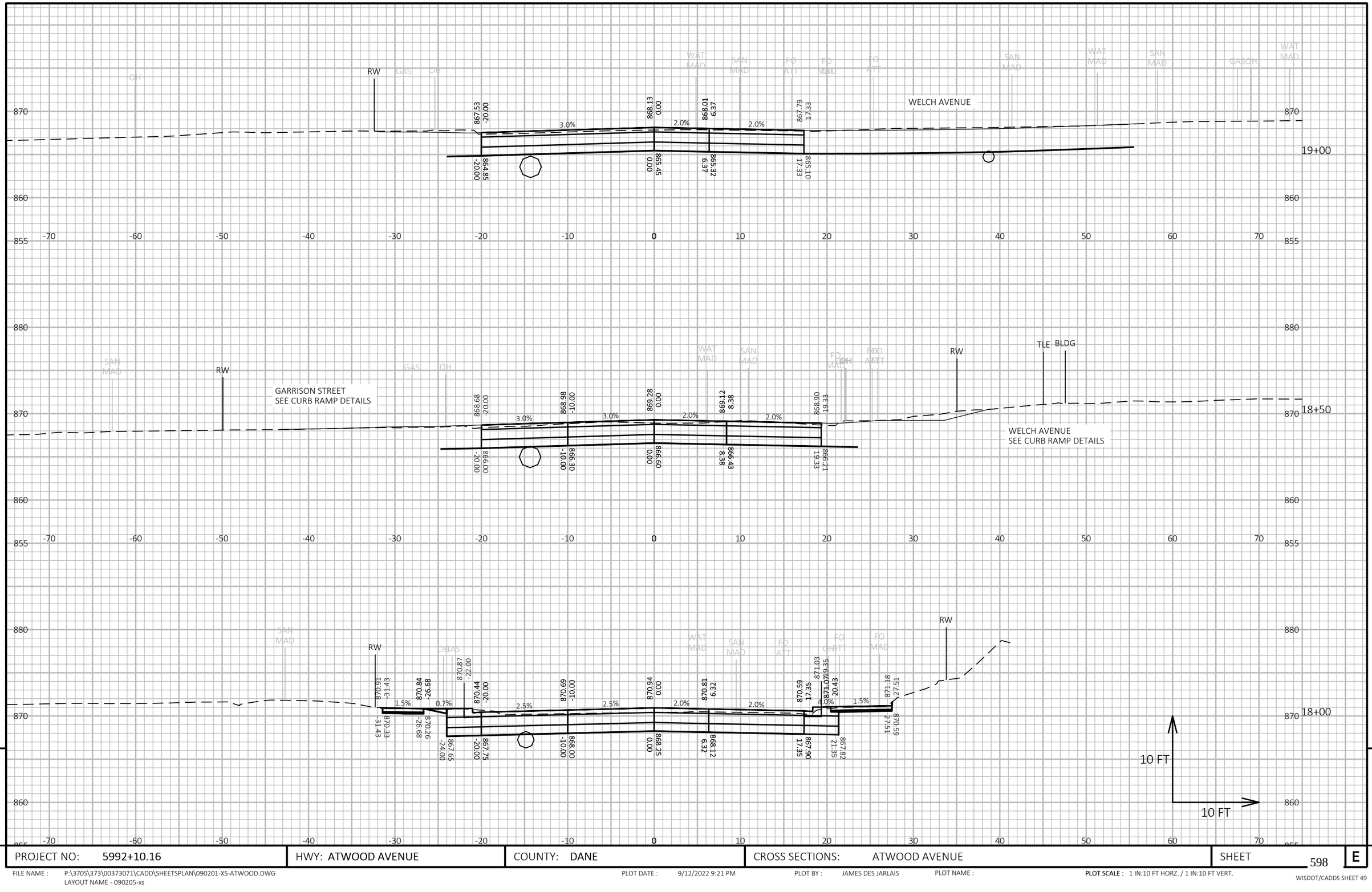
PLOT DATE : 9/12/2022 9:21 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 598	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090205-xs

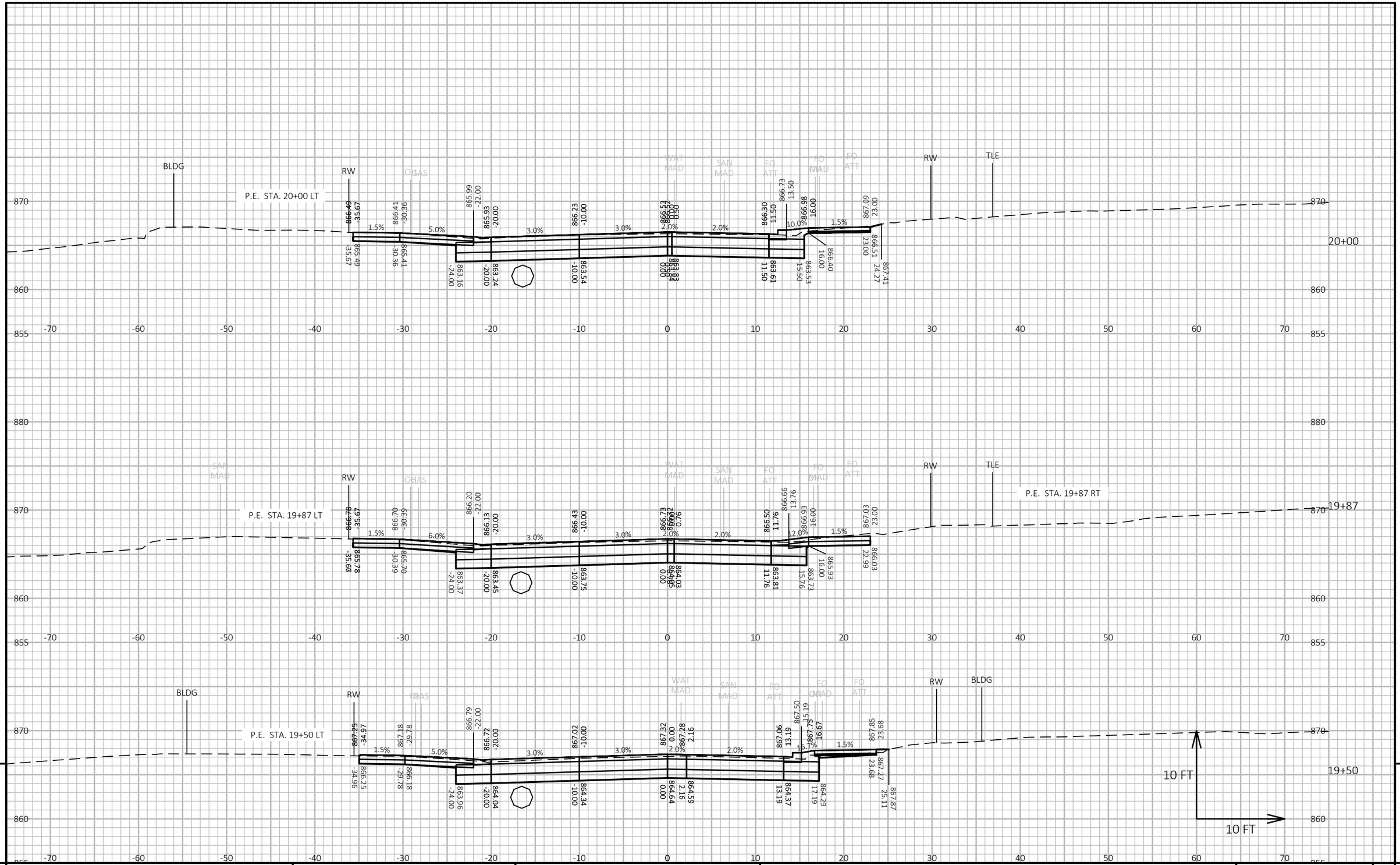
PLOT DATE : 9/12/2022 9:21 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 599 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090206-xs

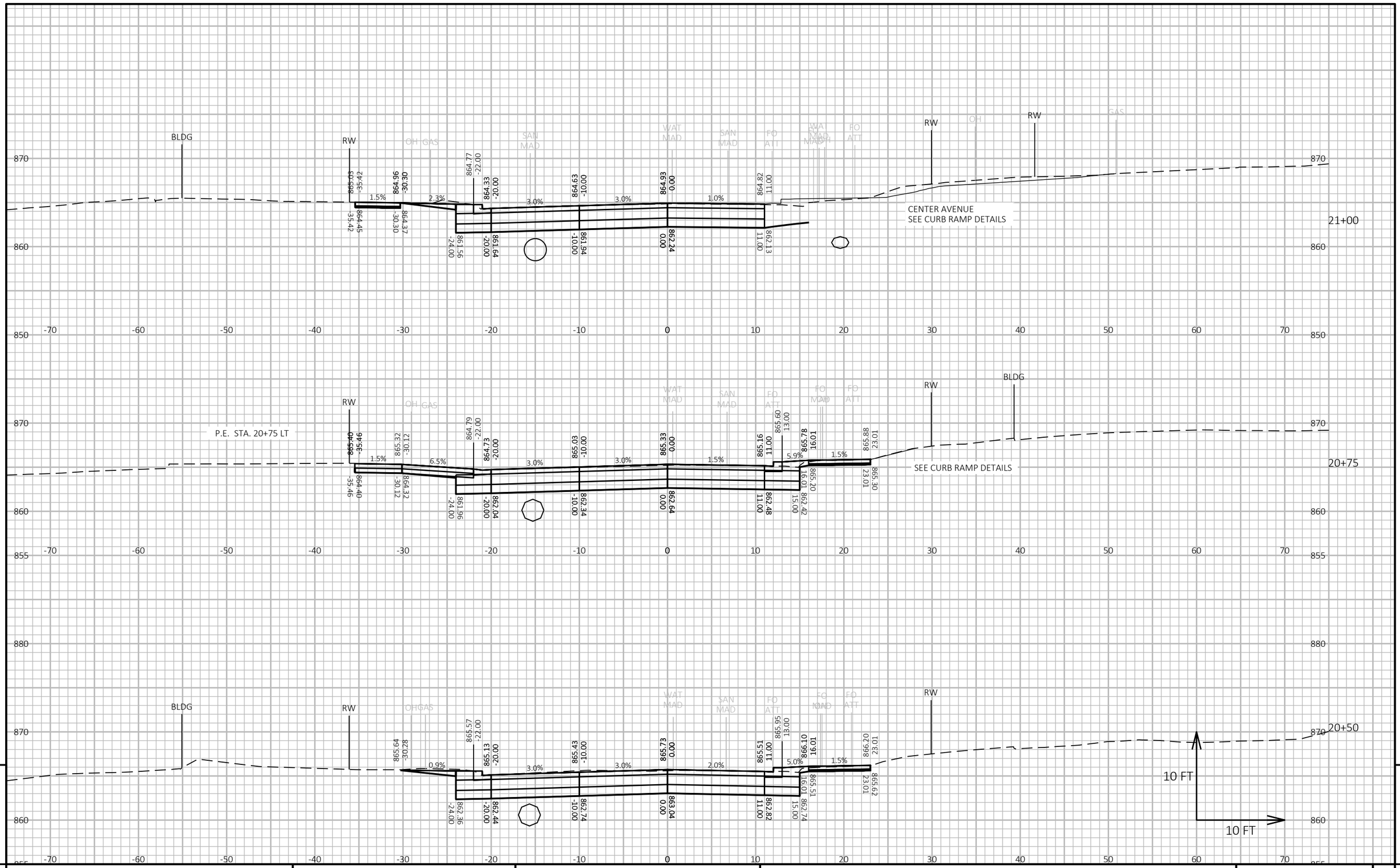
PLOT DATE : 9/12/2022 9:21 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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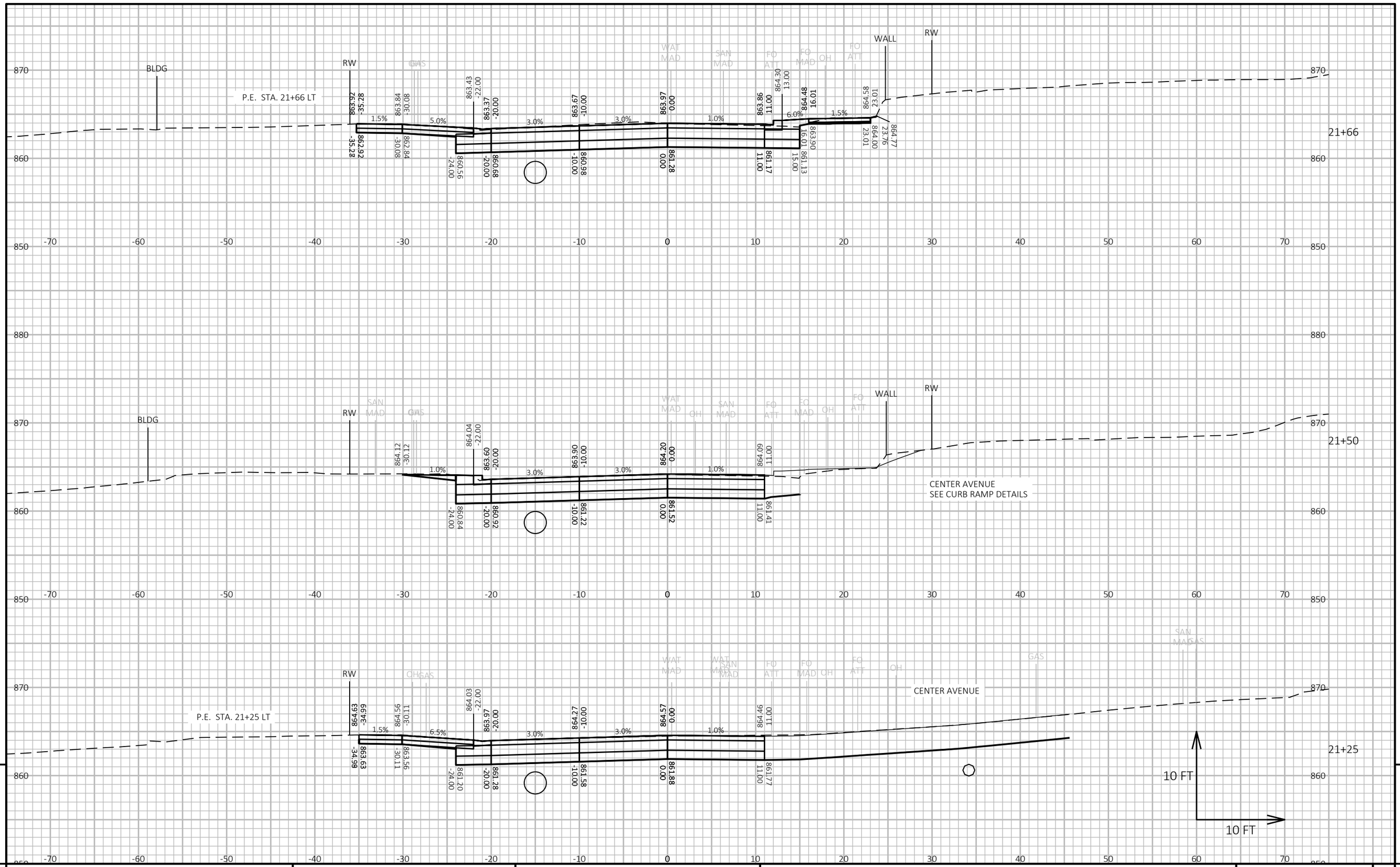
PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 600	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090207-xs

PLOT DATE : 9/12/2022 9:22 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



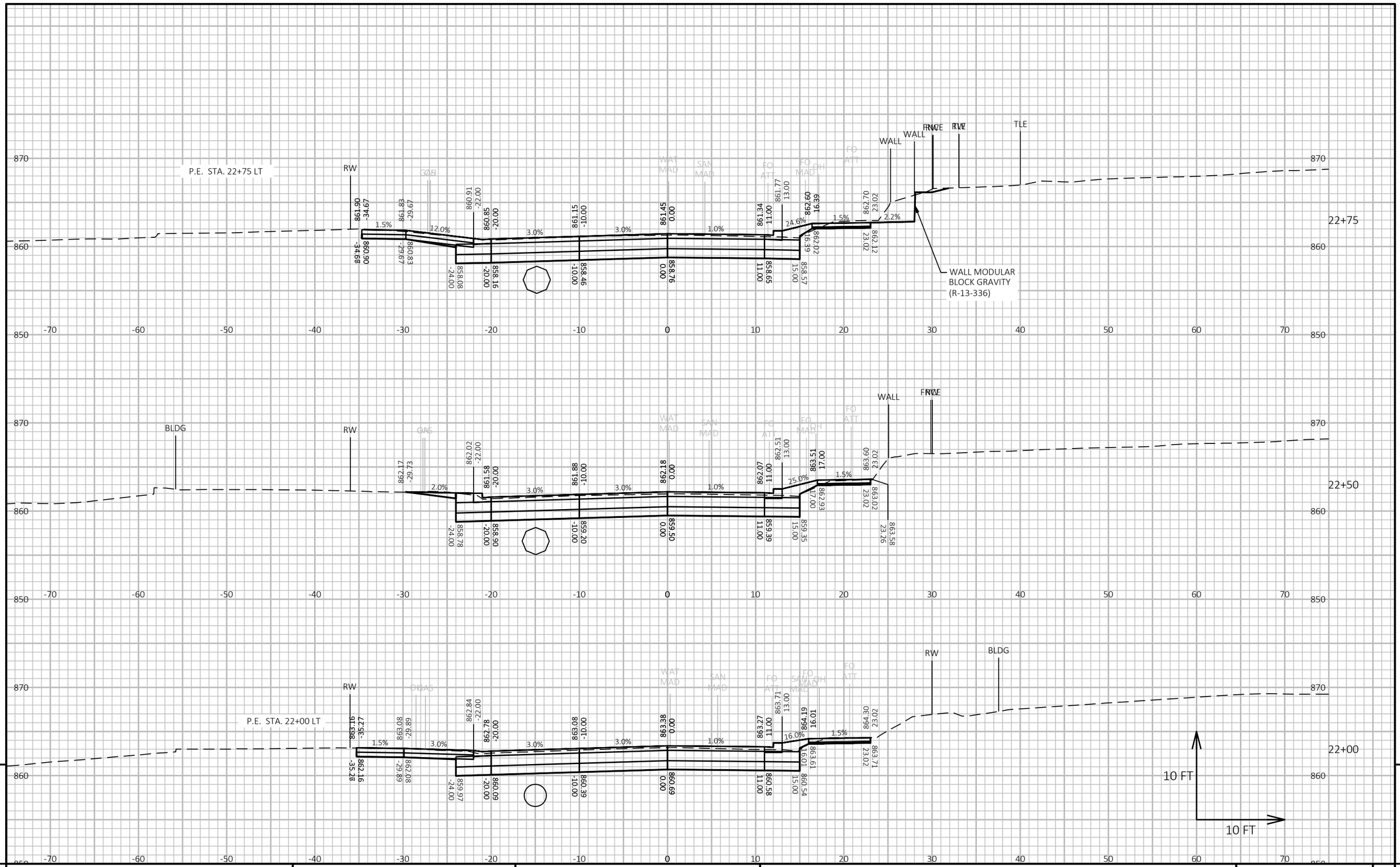
PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 601	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090208-xs

PLOT DATE : 9/12/2022 9:22 PM PLOT BY : JAMES DES JARLAIS PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 602	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090209-xs

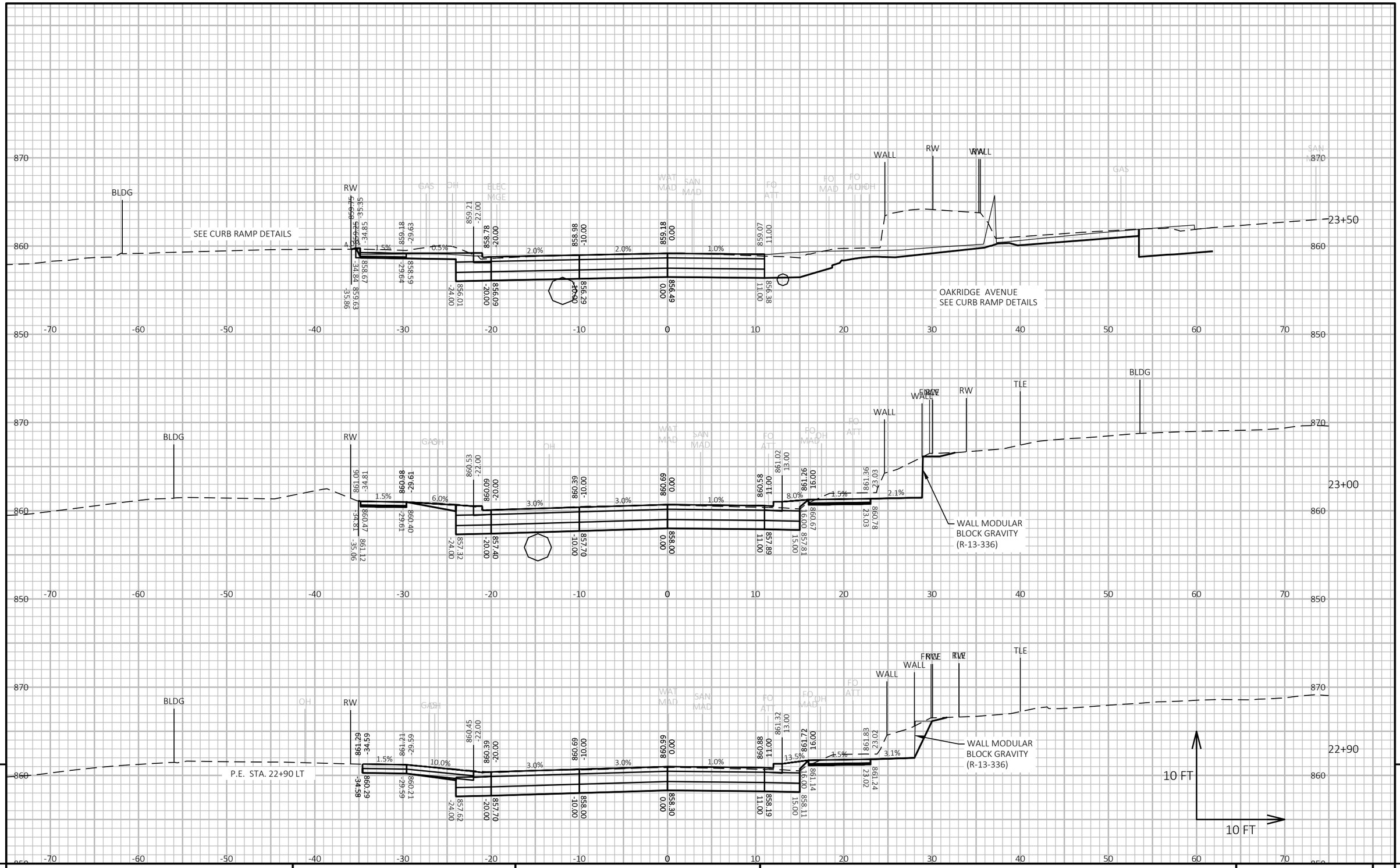
PLOT DATE : 9/12/2022 9:23 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 603	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090210-xs

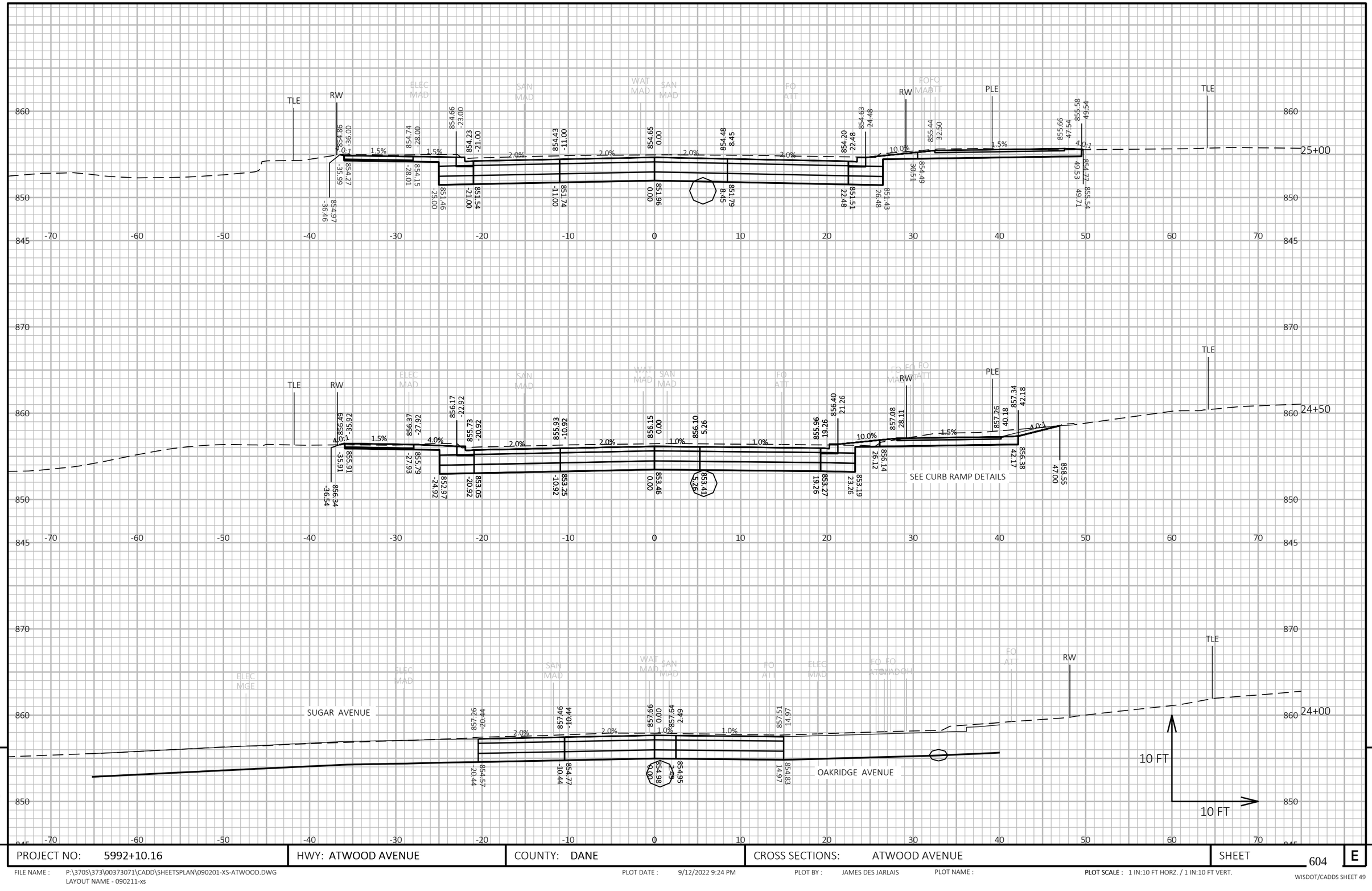
PLOT DATE : 9/12/2022 9:23 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 604	E

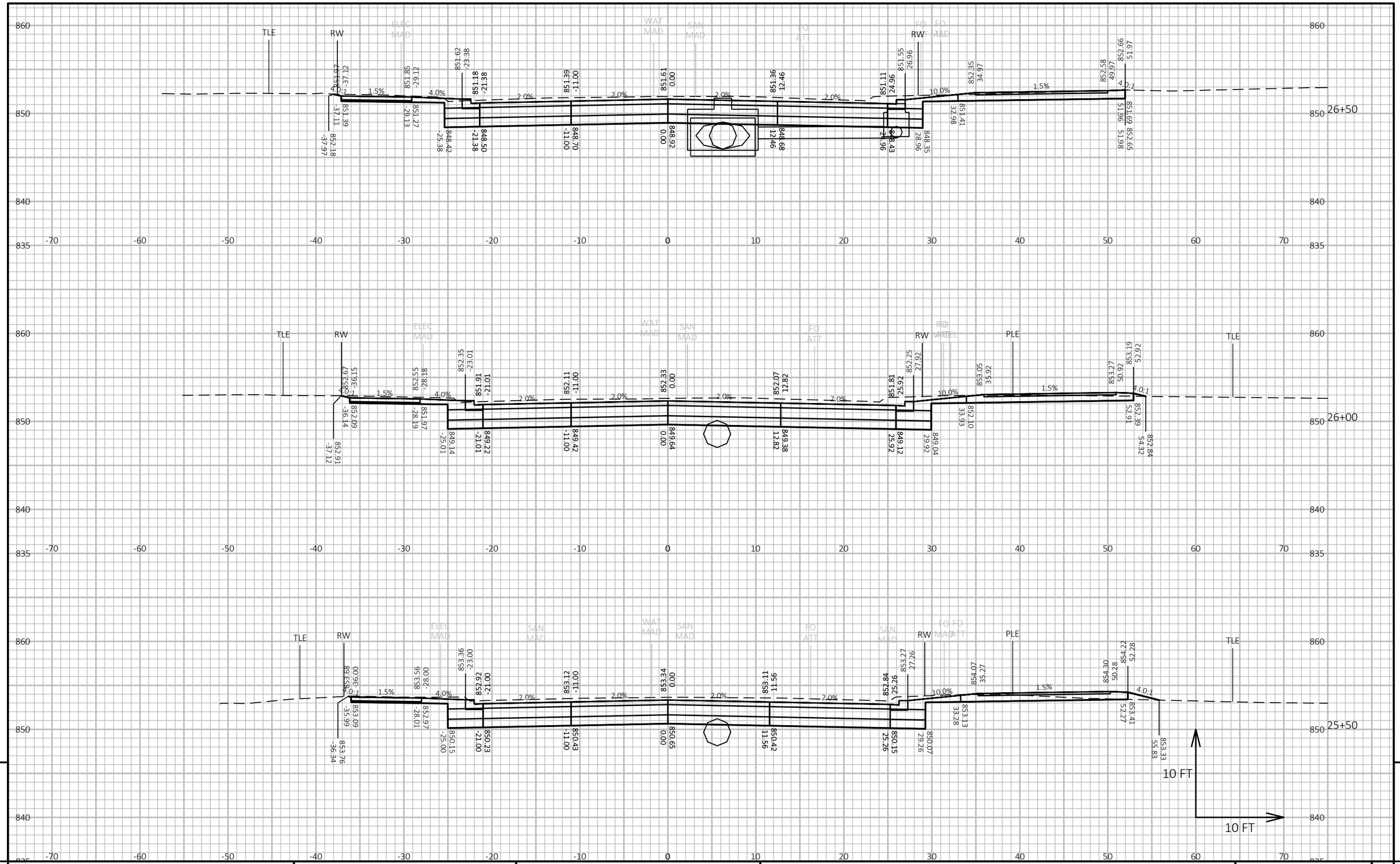
FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090211-xs

PLOT DATE : 9/12/2022 9:24 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

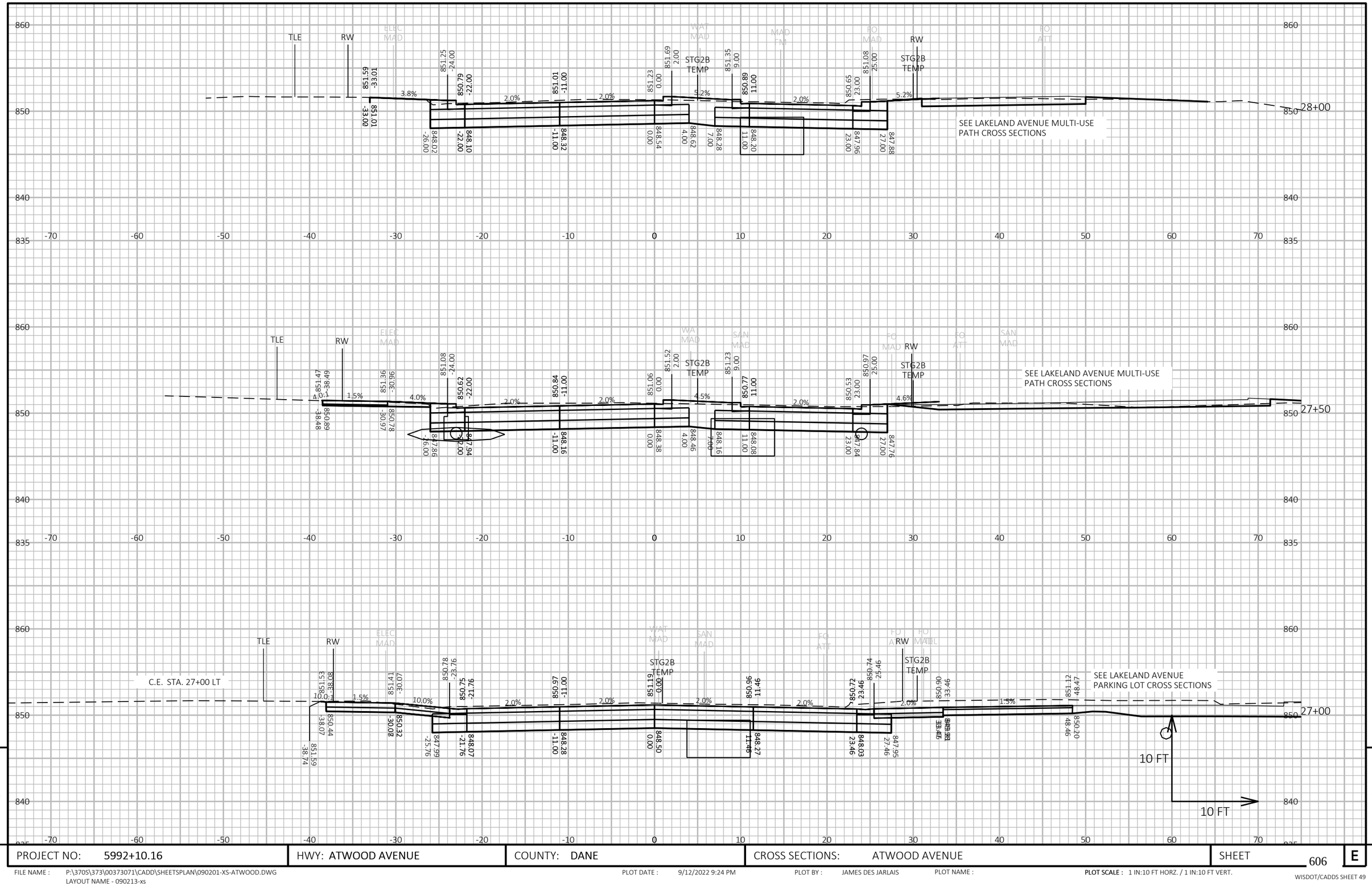


PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 605 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090212-xs

PLOT DATE : 9/12/2022 9:24 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 606	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090213-xs

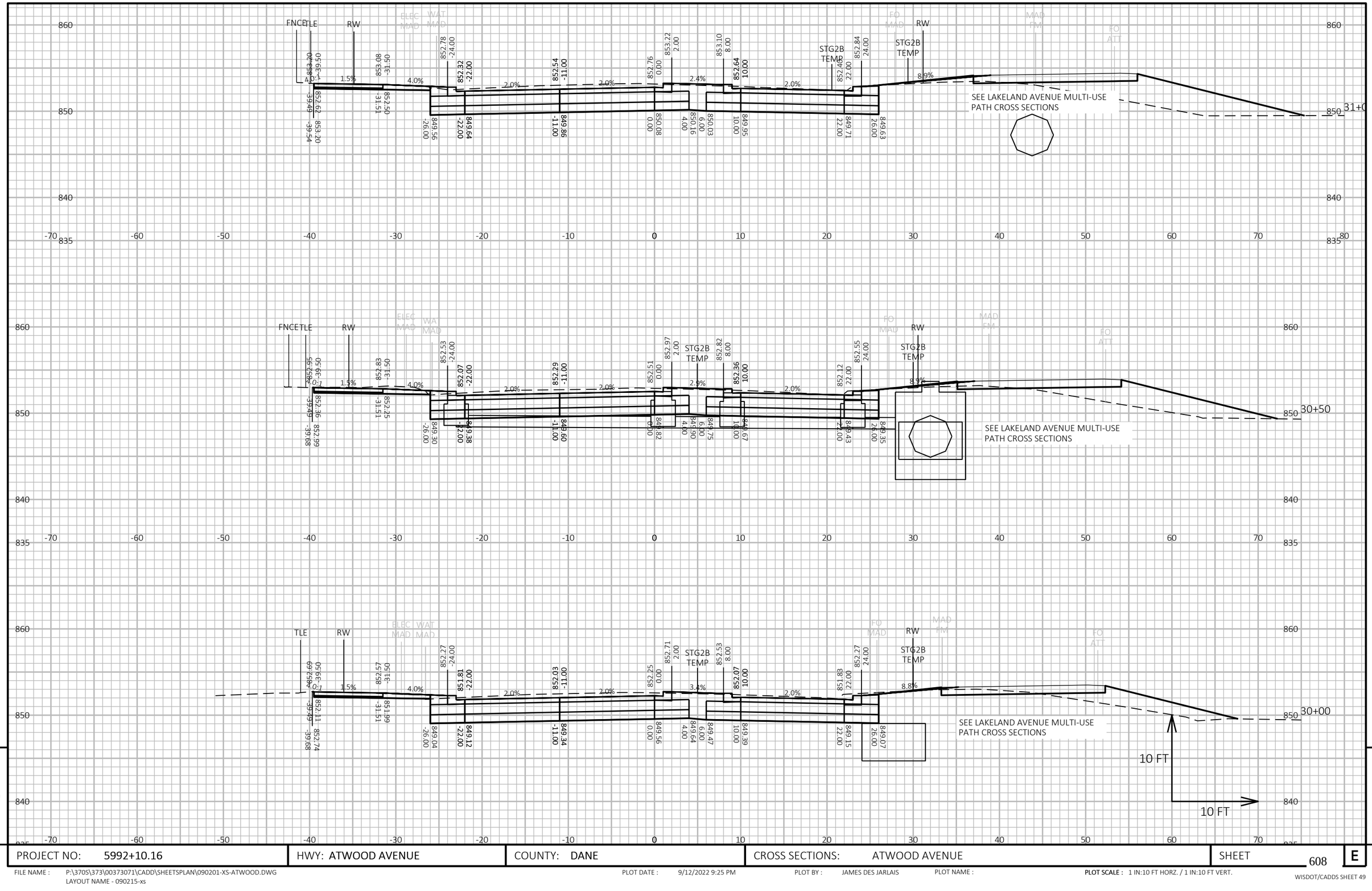
PLOT DATE : 9/12/2022 9:24 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 607 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090214-xs

PLOT DATE : 9/12/2022 9:25 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

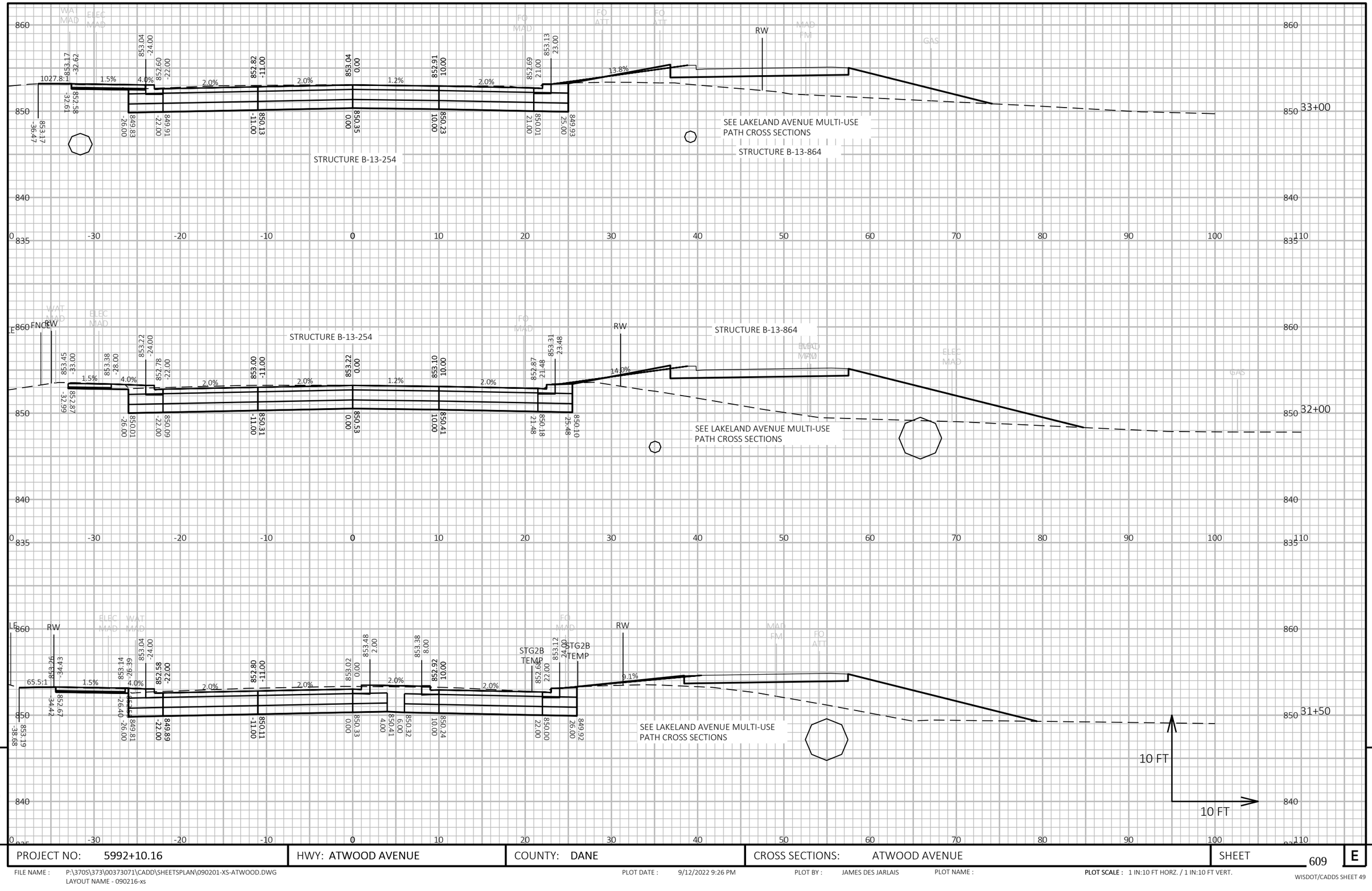


PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 608 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090215-xs

PLOT DATE : 9/12/2022 9:25 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

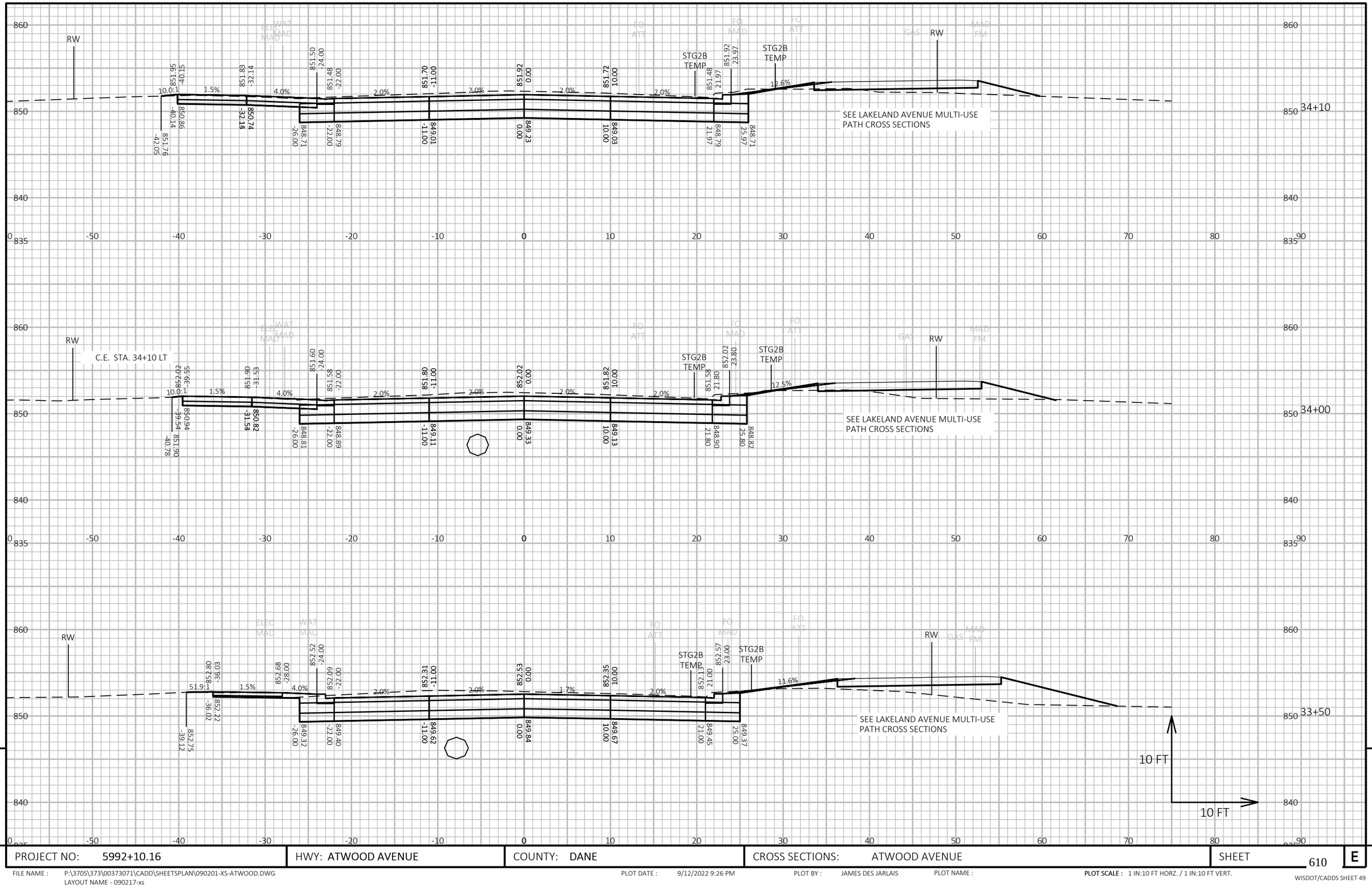


PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 609	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090216-xs

PLOT DATE : 9/12/2022 9:26 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 610 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090217-xs

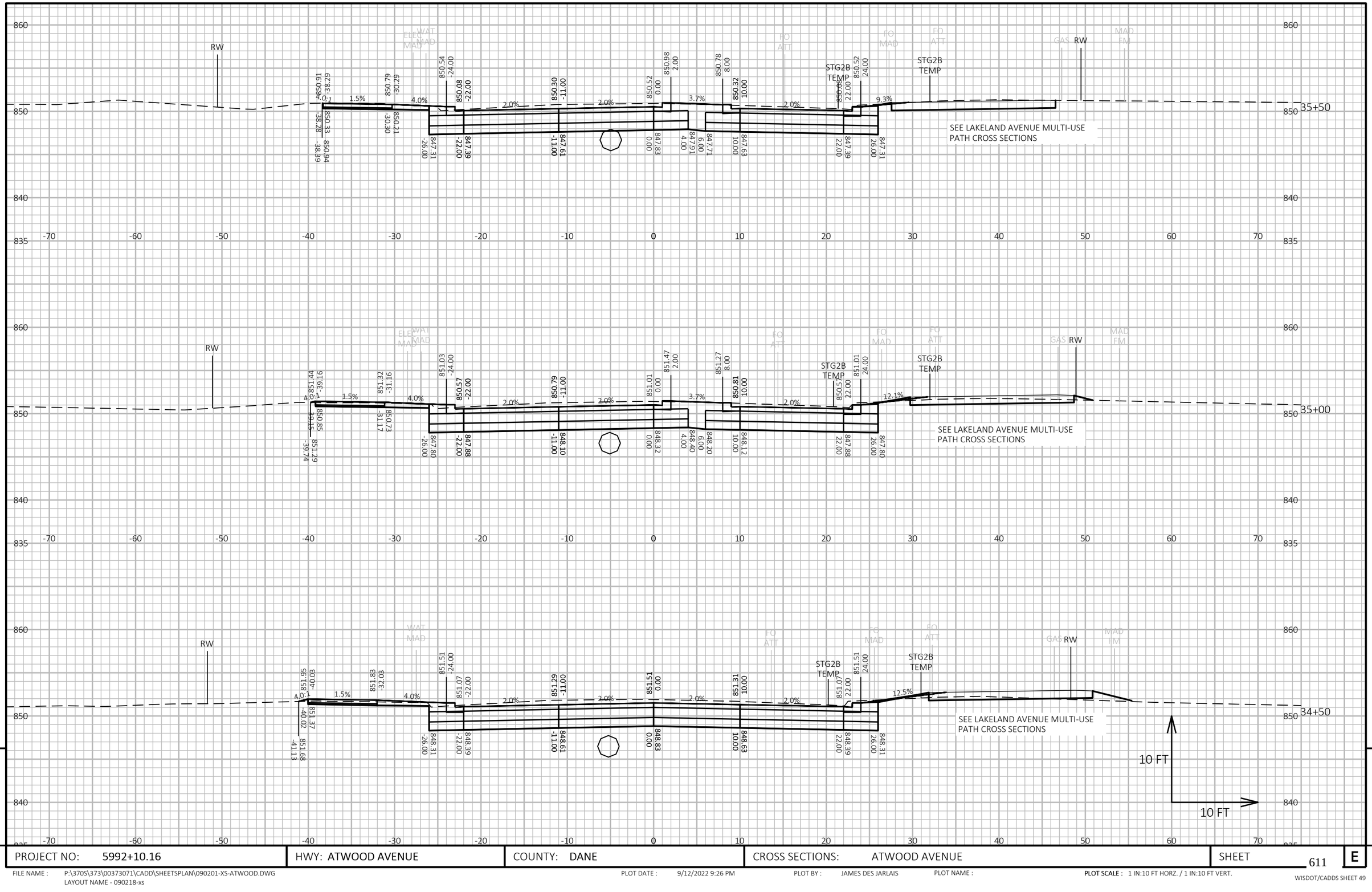
PLOT DATE : 9/12/2022 9:26 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

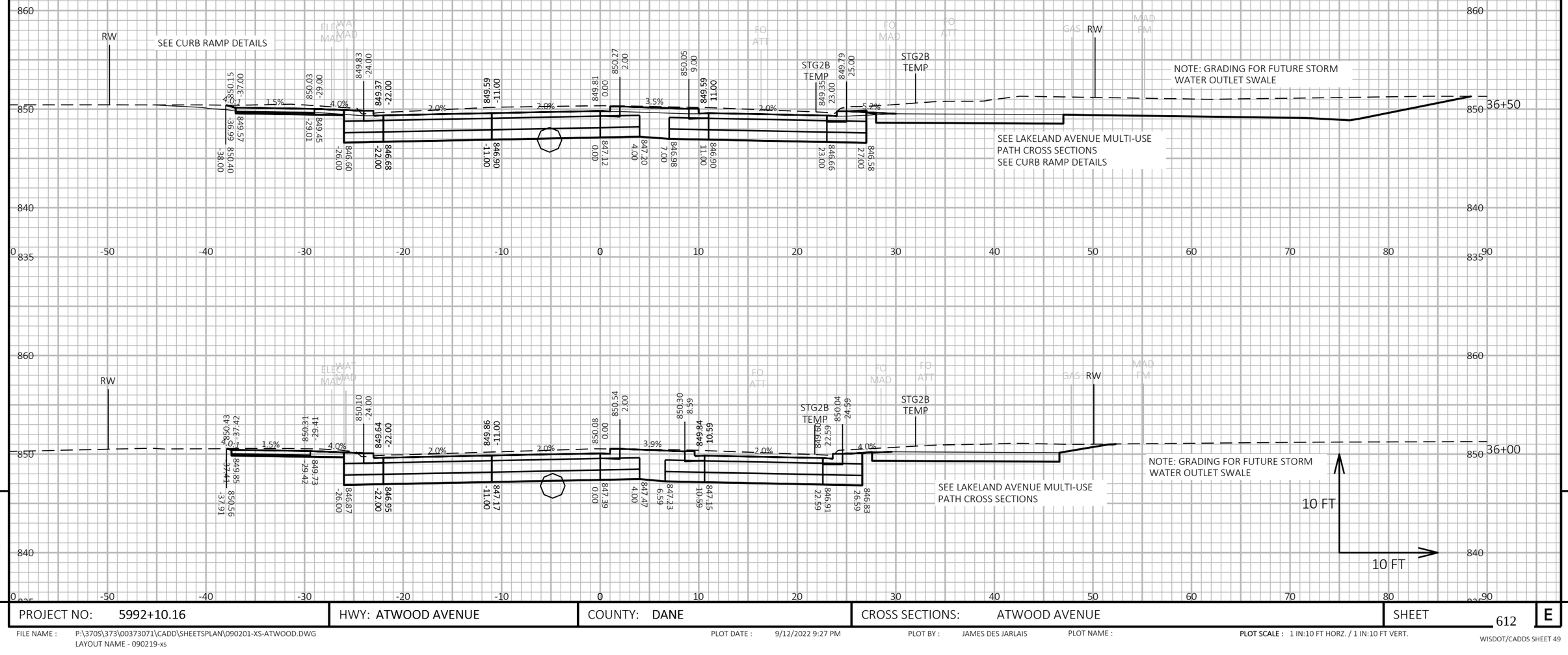


PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 611 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090218-xs

PLOT DATE : 9/12/2022 9:26 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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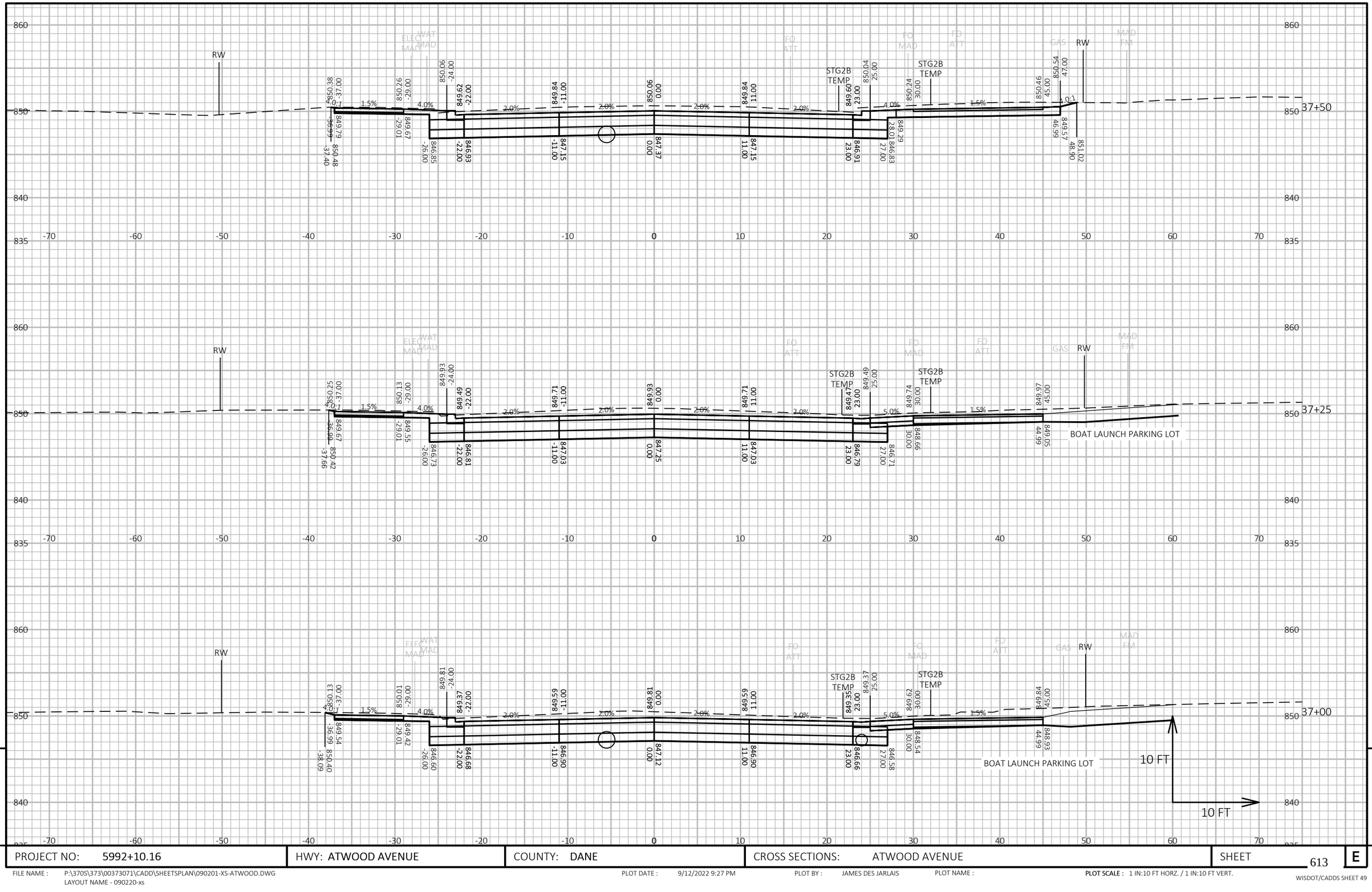
PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 612	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090219-xs

PLOT DATE : 9/12/2022 9:27 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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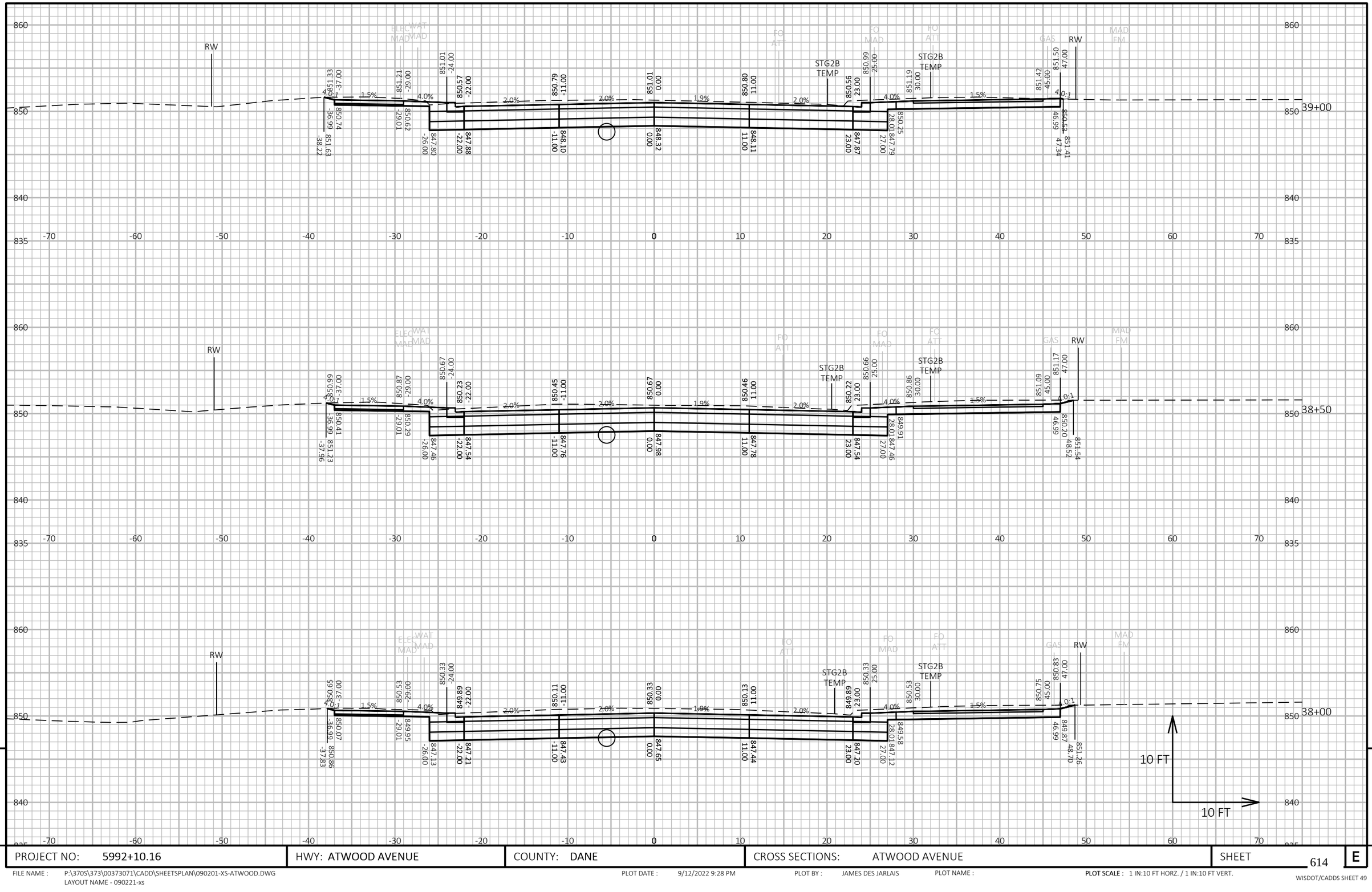
PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 613	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090220-xs

PLOT DATE : 9/12/2022 9:27 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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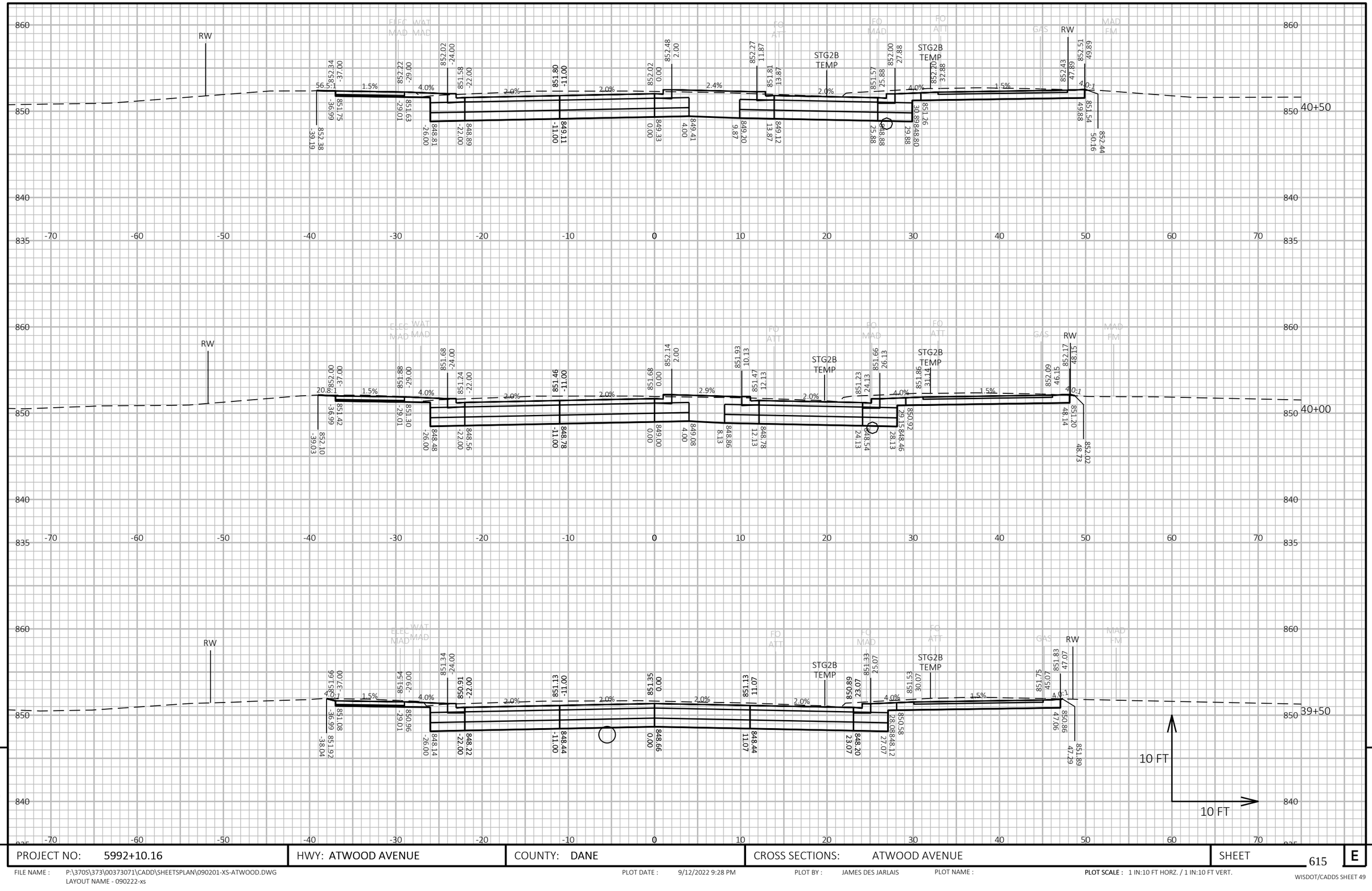
PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 614	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090221-xs

PLOT DATE : 9/12/2022 9:28 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

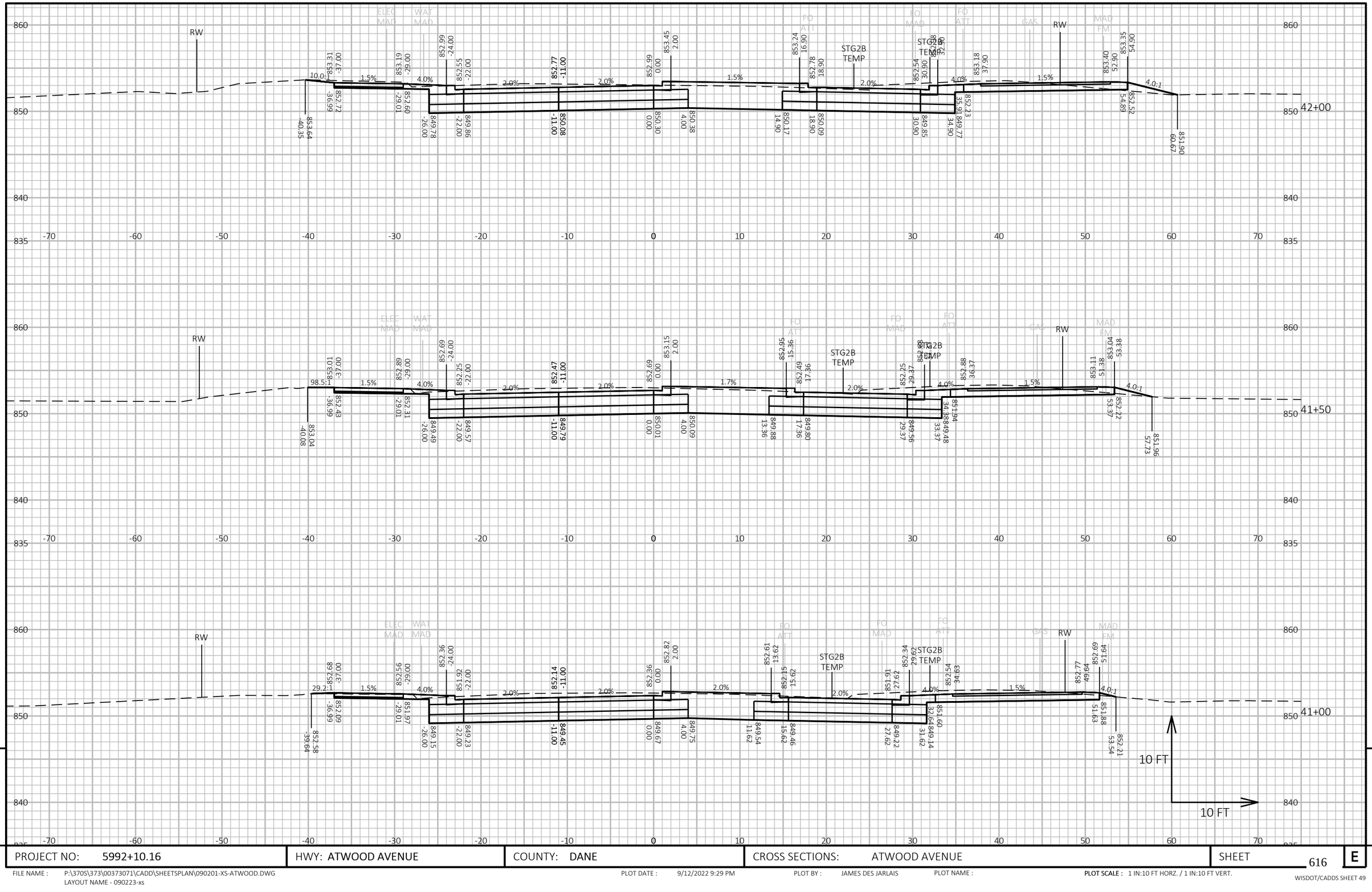


PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 615 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090222-xs

PLOT DATE : 9/12/2022 9:28 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 616	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090223-xs

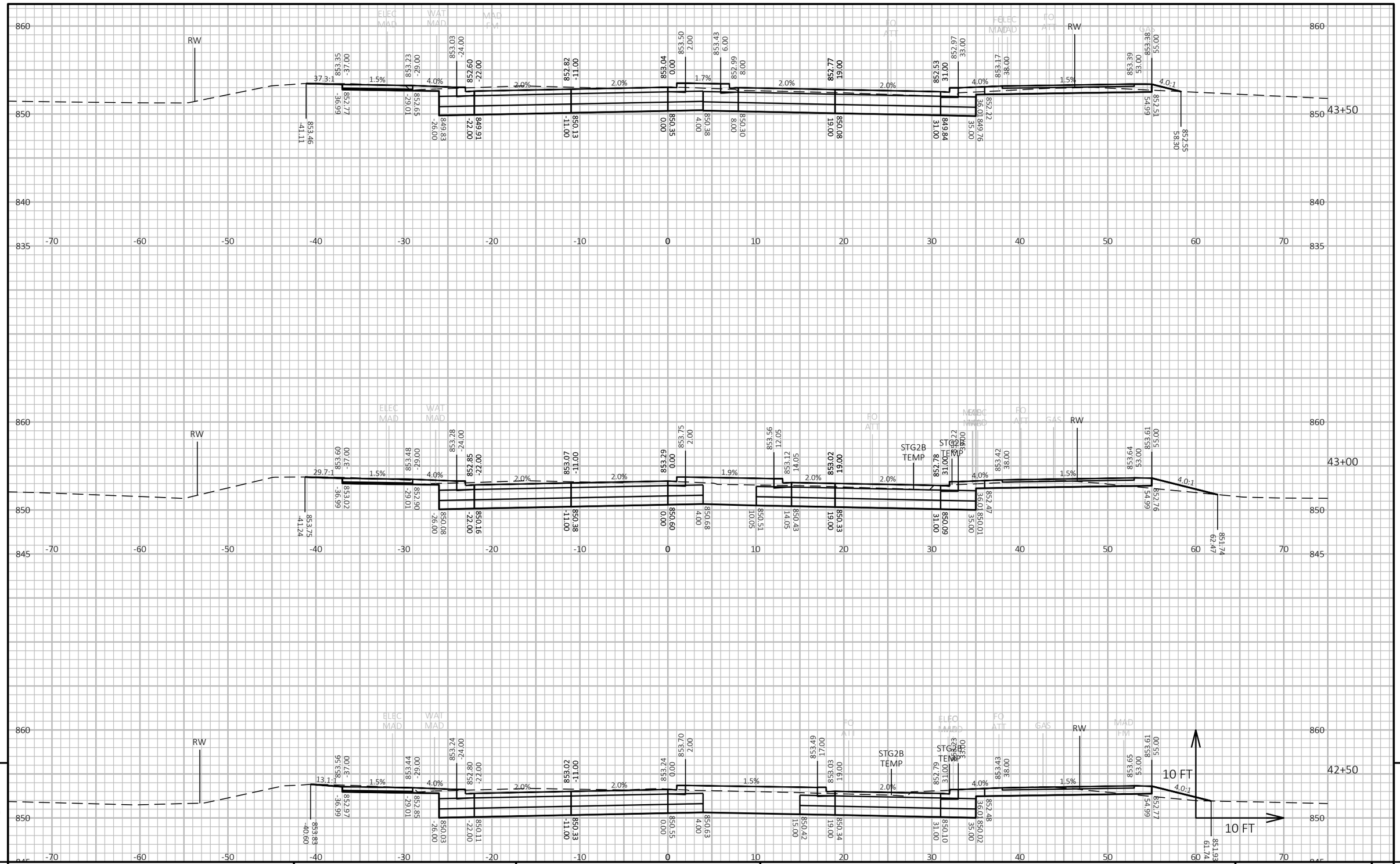
PLOT DATE : 9/12/2022 9:29 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 617	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090224-xs

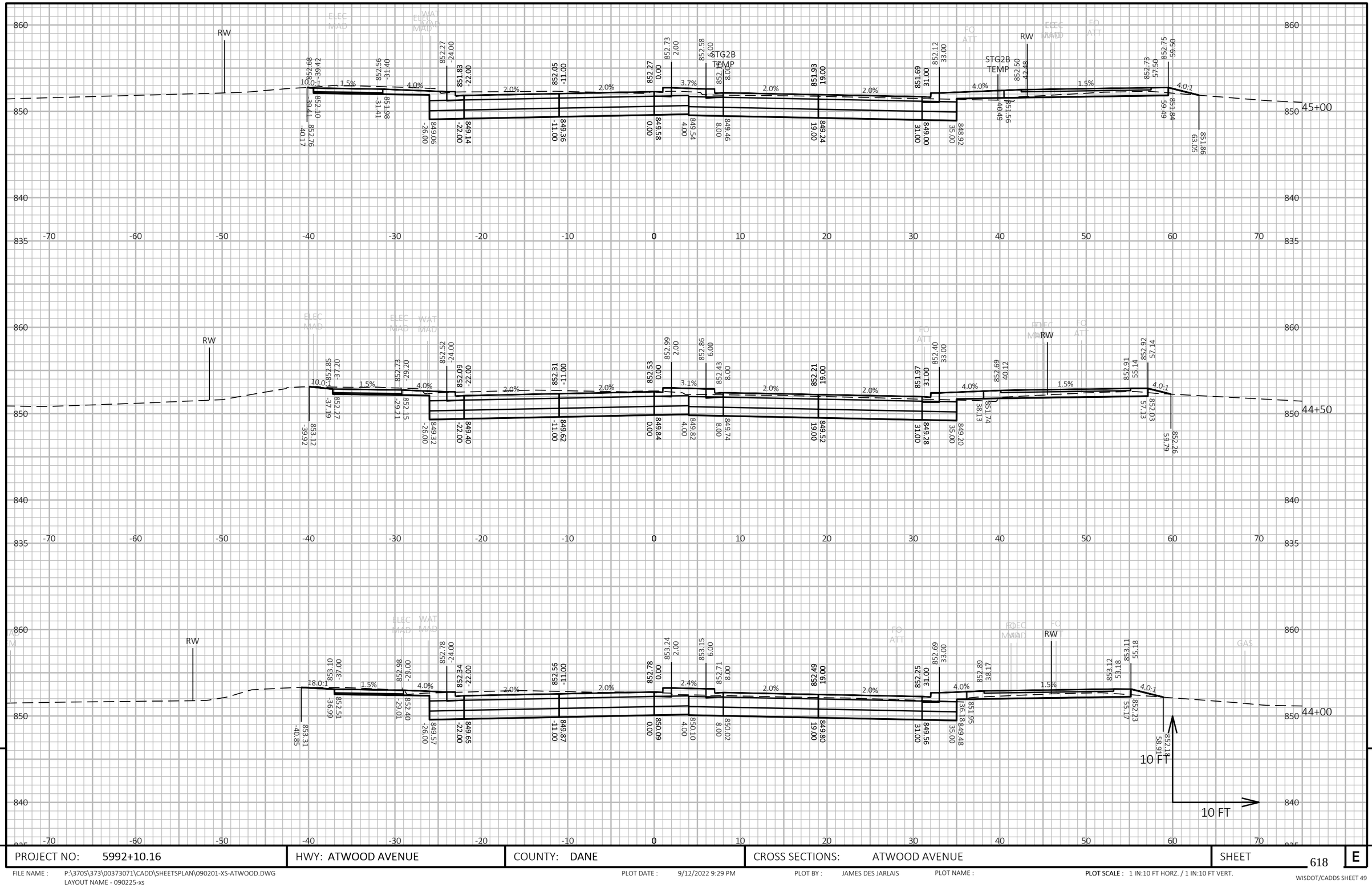
PLOT DATE : 9/12/2022 9:29 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 618 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090225-xs

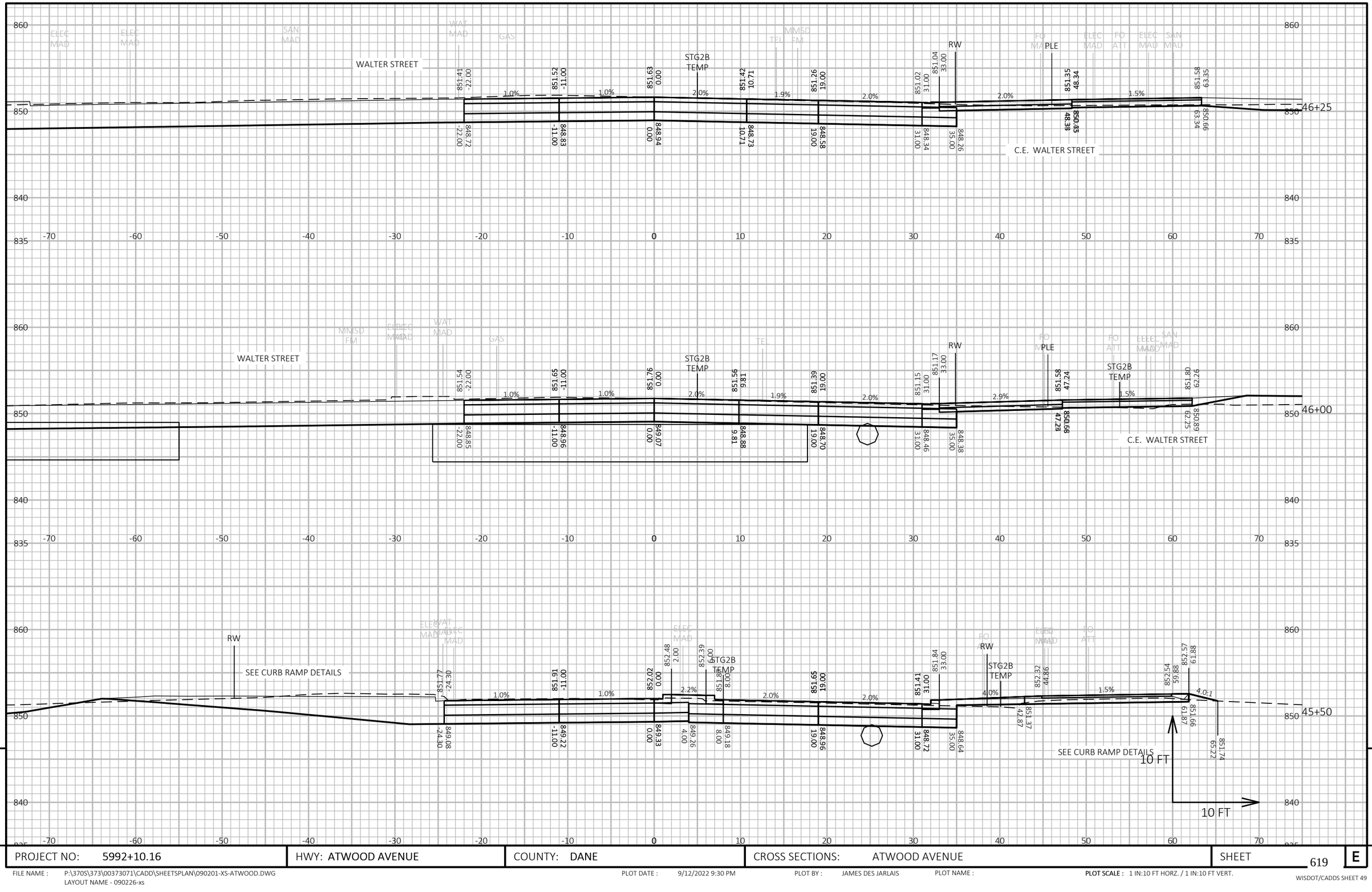
PLOT DATE : 9/12/2022 9:29 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 619	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090226-xs

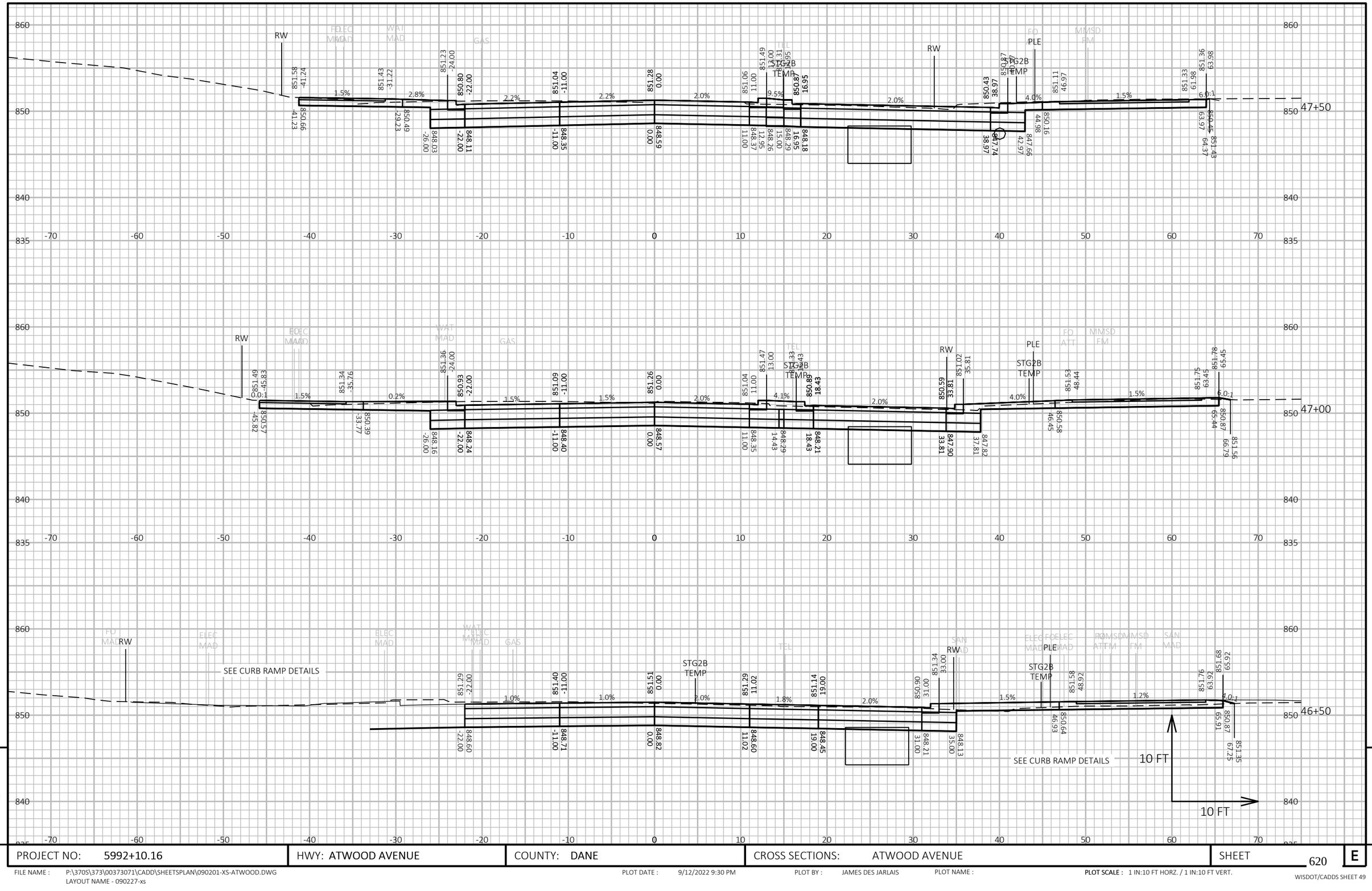
PLOT DATE : 9/12/2022 9:30 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 620	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090227-xs

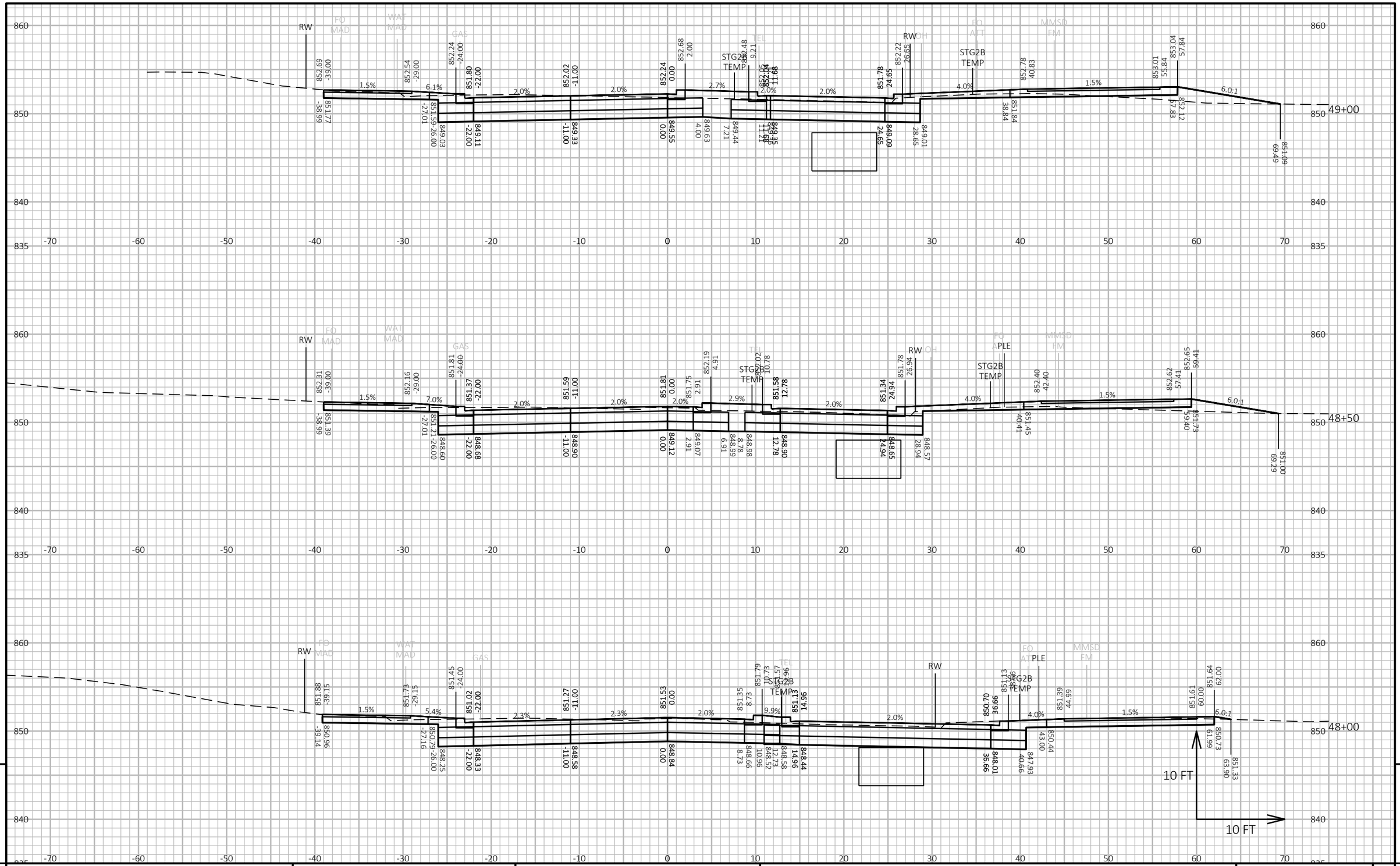
PLOT DATE : 9/12/2022 9:30 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 621 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090228-xs

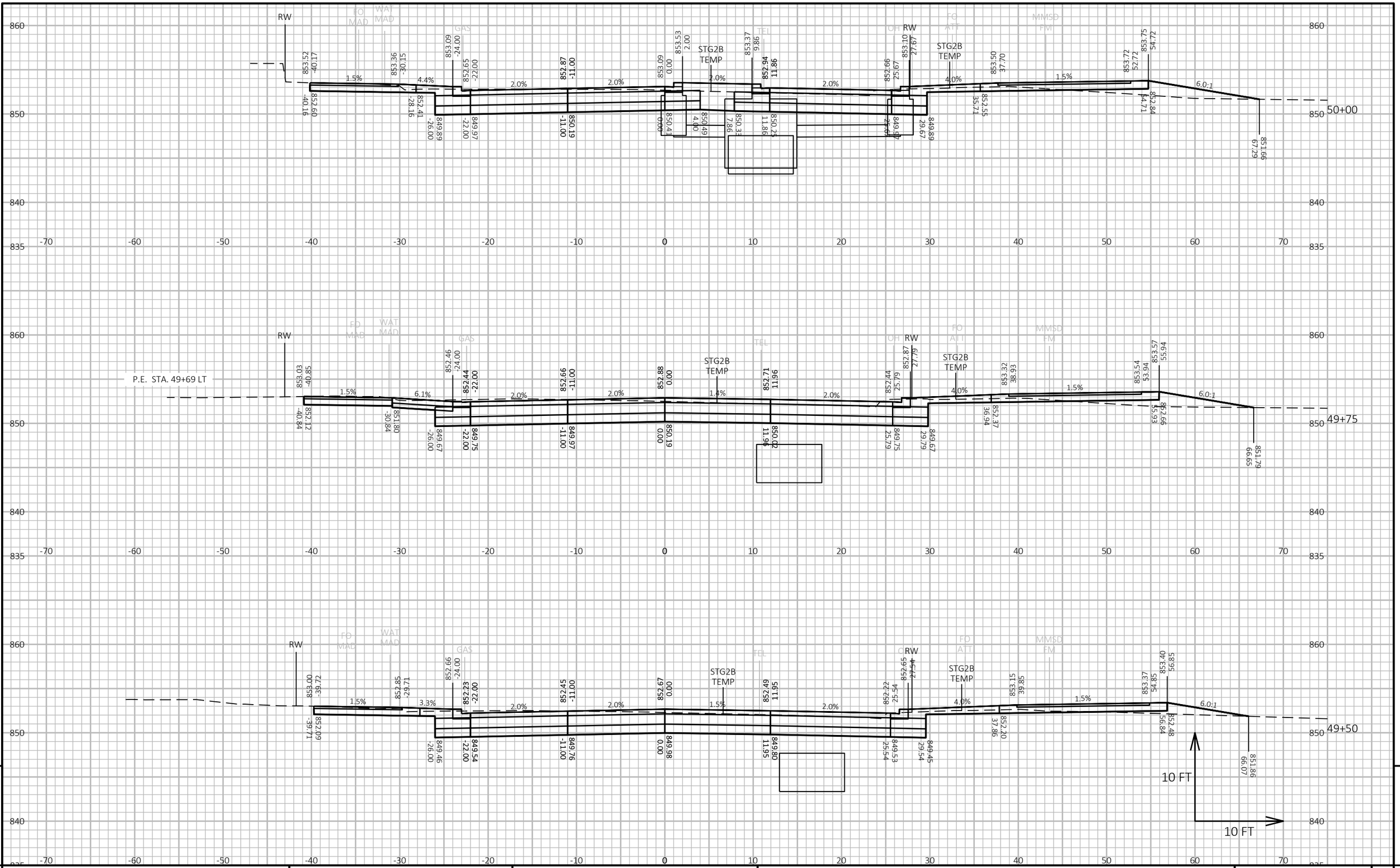
PLOT DATE : 9/12/2022 9:31 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

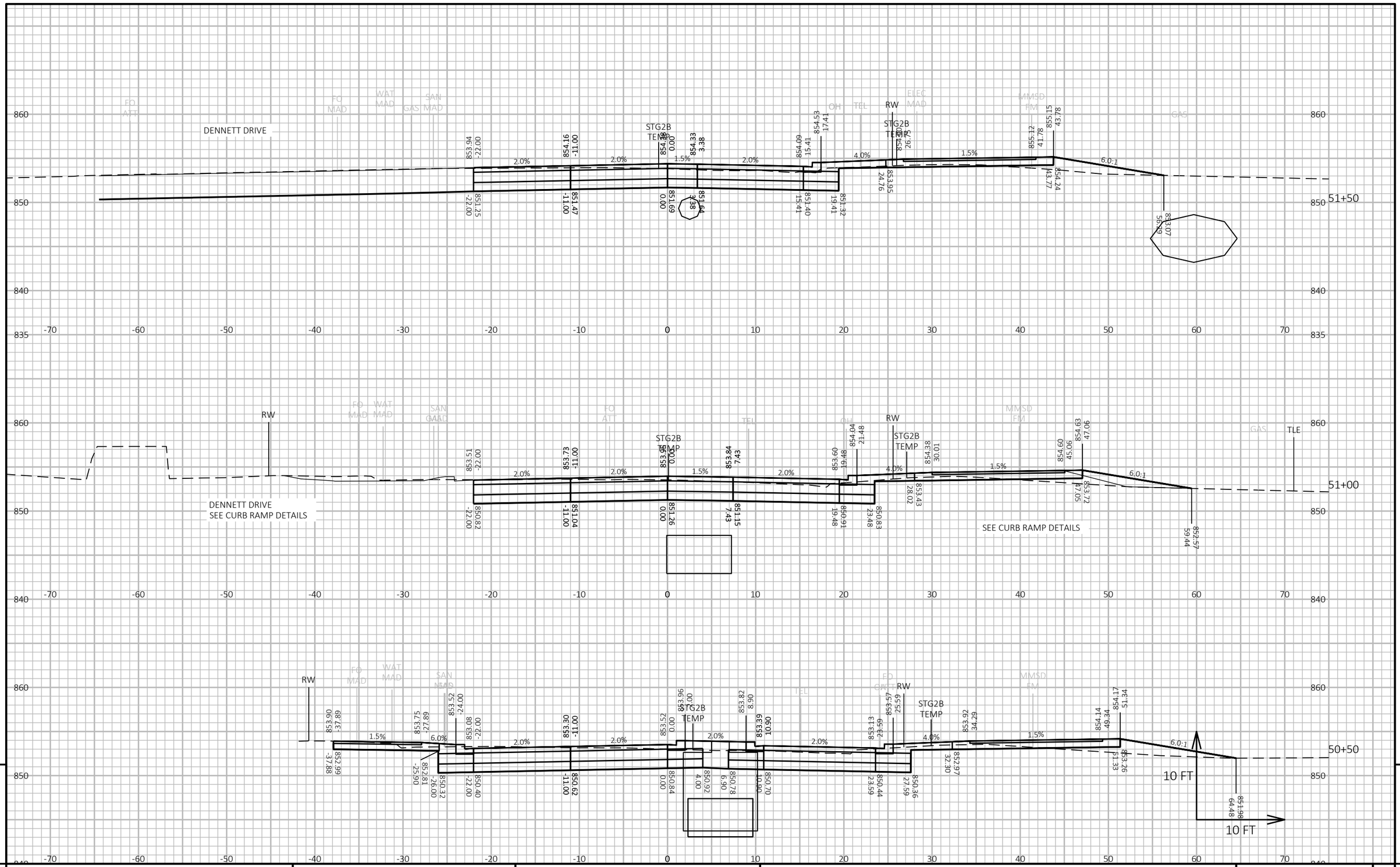


PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 622 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090229-xs

PLOT DATE : 9/12/2022 9:31 PM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 623	E

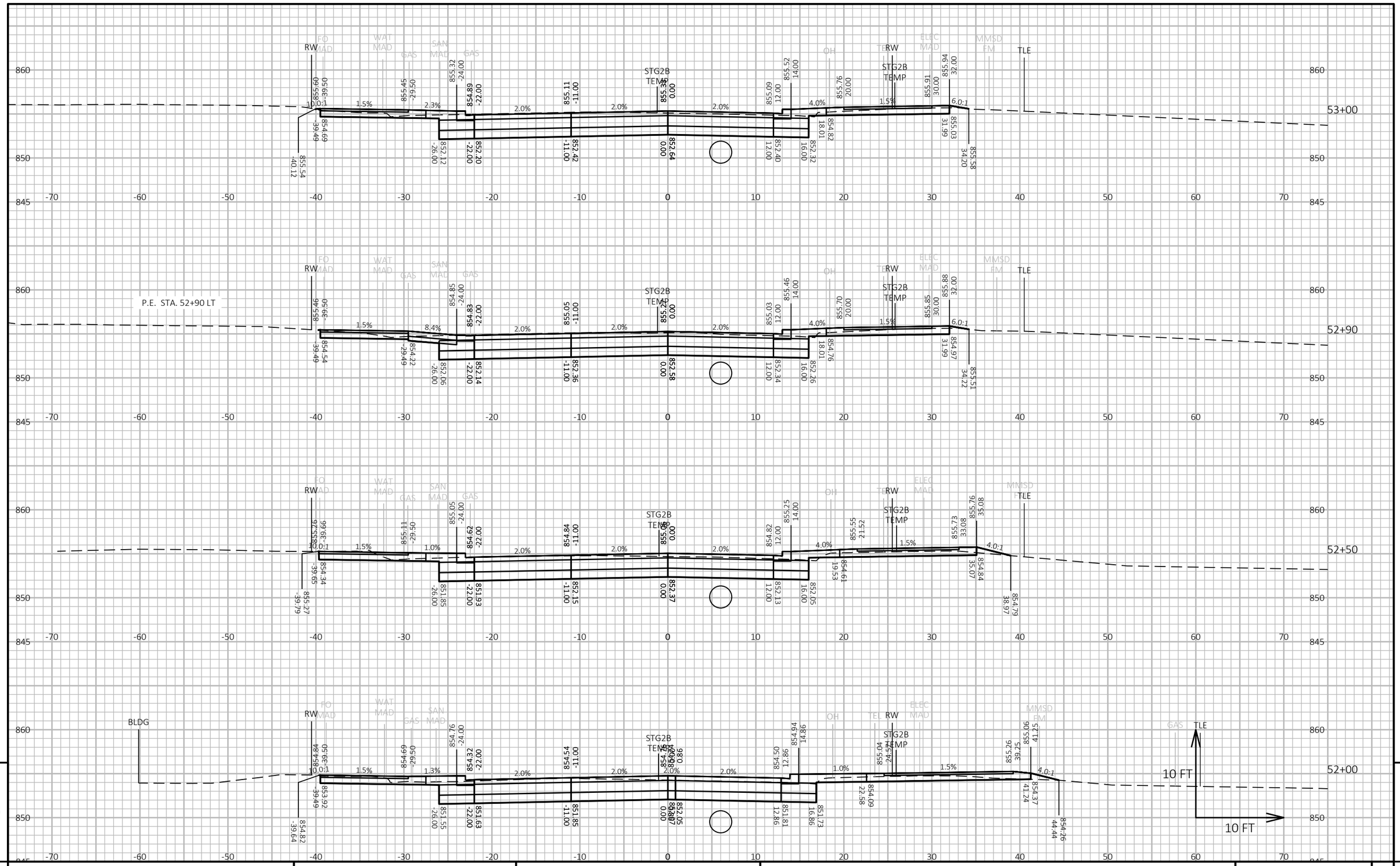
FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090230-xs

PLOT DATE : 9/12/2022 9:31 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 624	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090231-xs

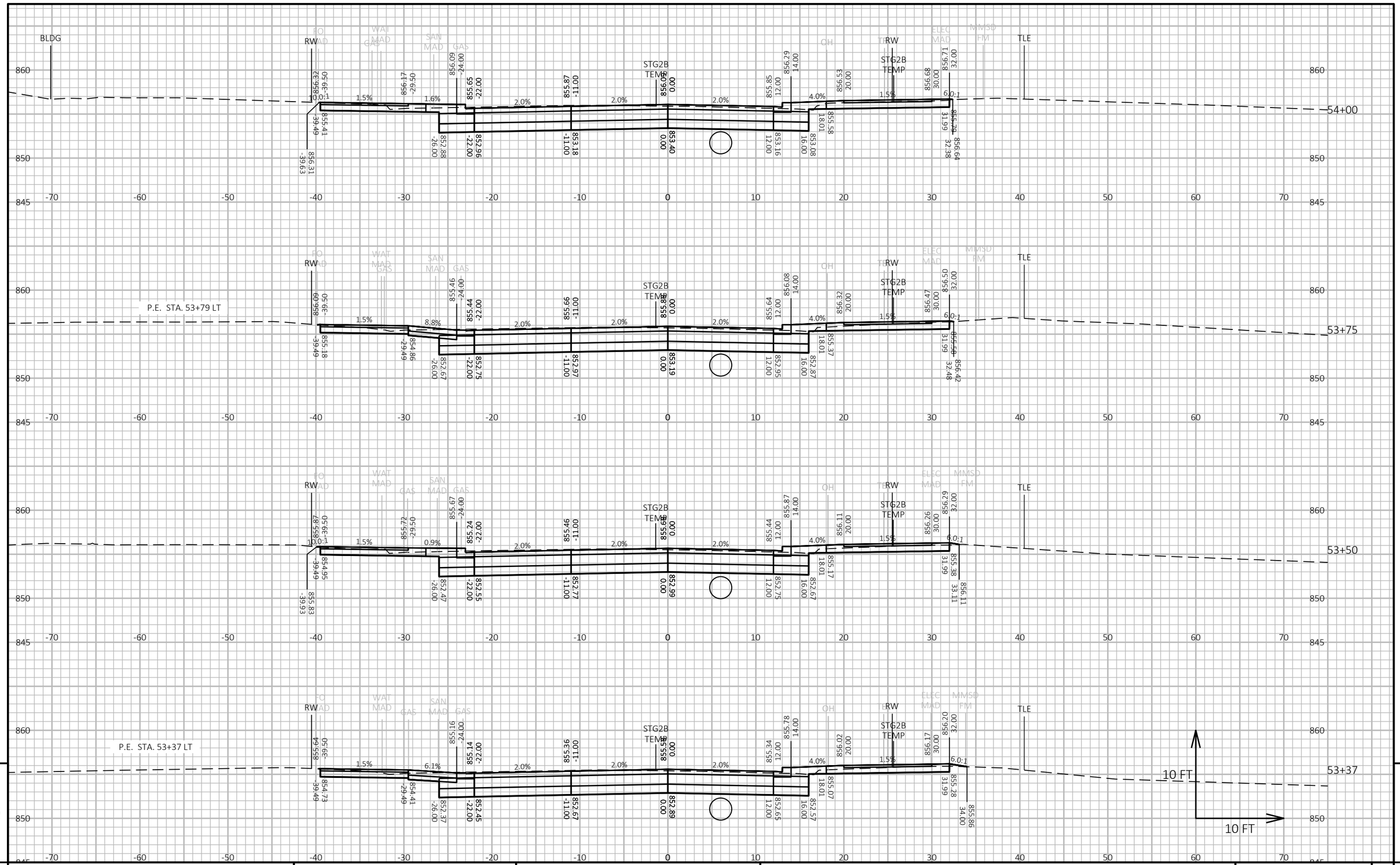
PLOT DATE : 9/12/2022 9:32 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 625	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090232-xs

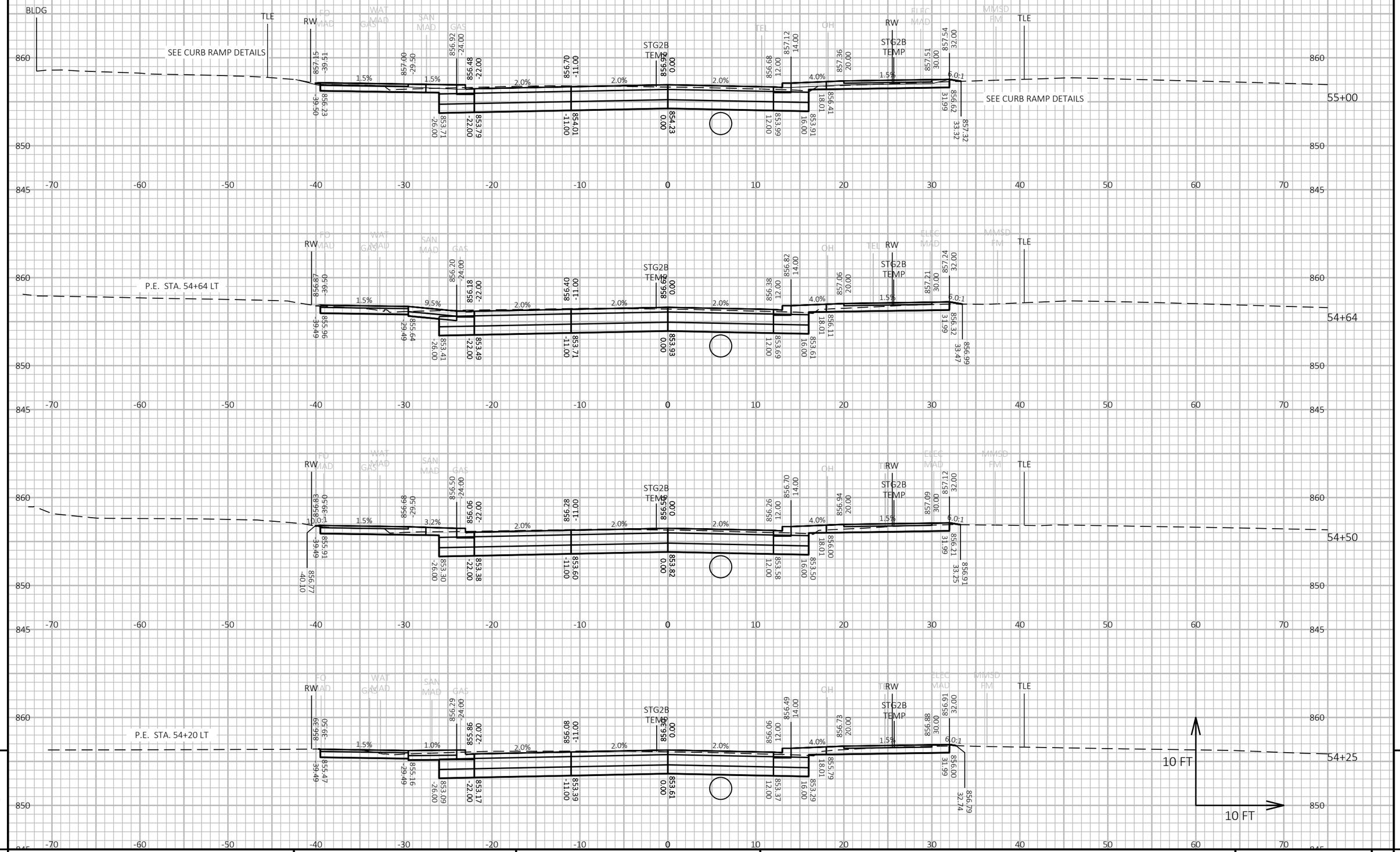
PLOT DATE : 9/12/2022 9:32 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 626	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090233-xs

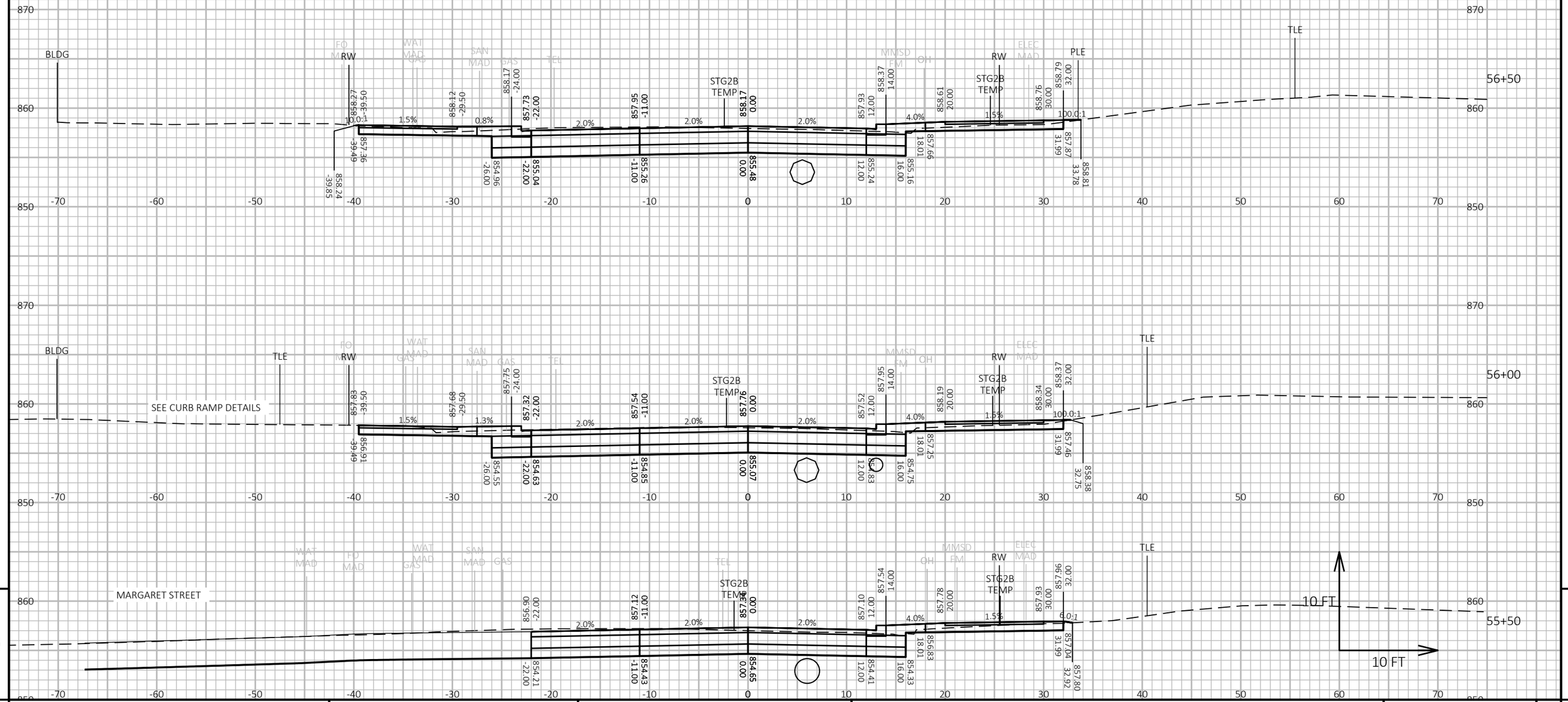
PLOT DATE : 9/12/2022 9:33 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 627	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090234-xs

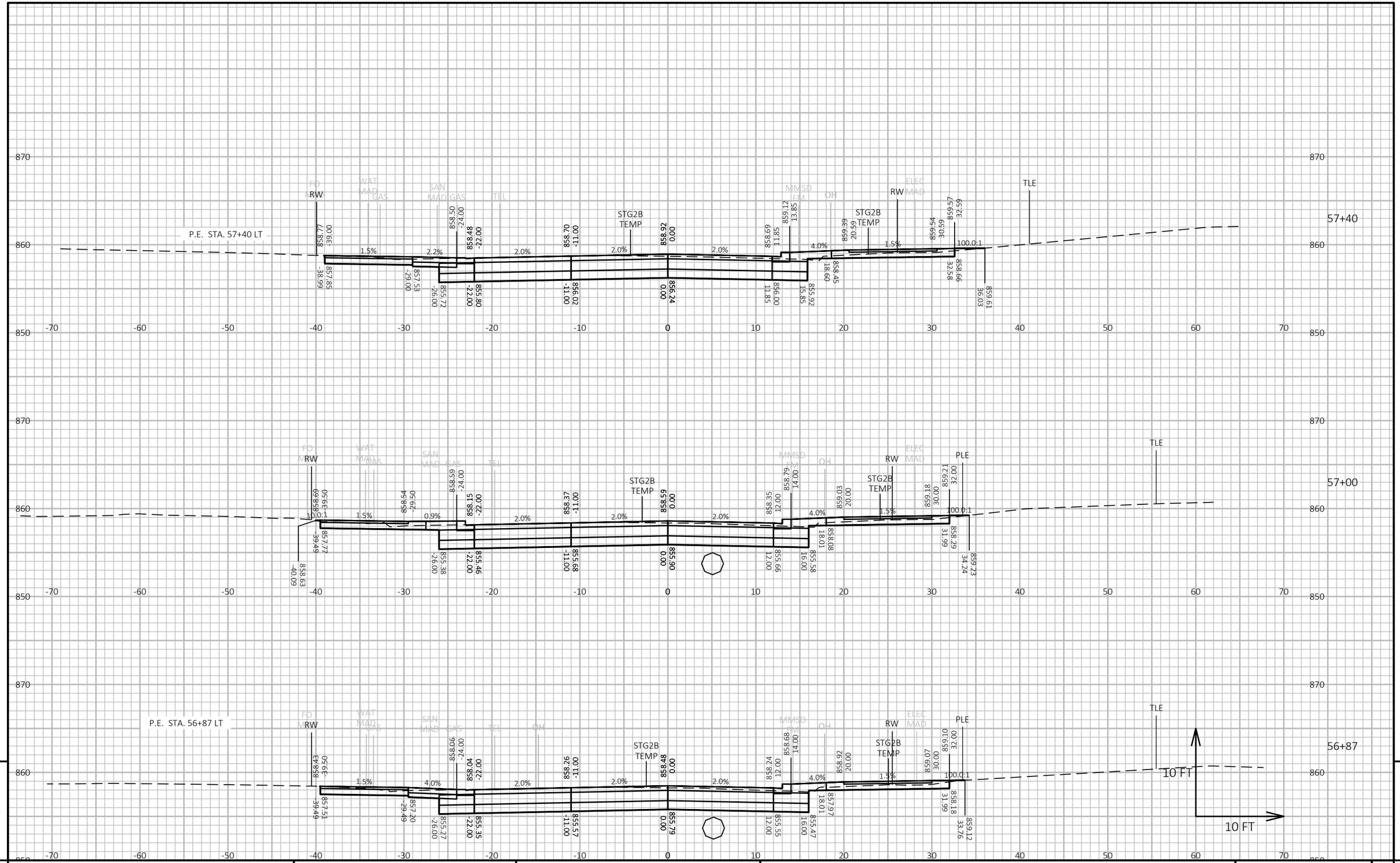
PLOT DATE : 9/12/2022 9:33 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 628	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090235-xs

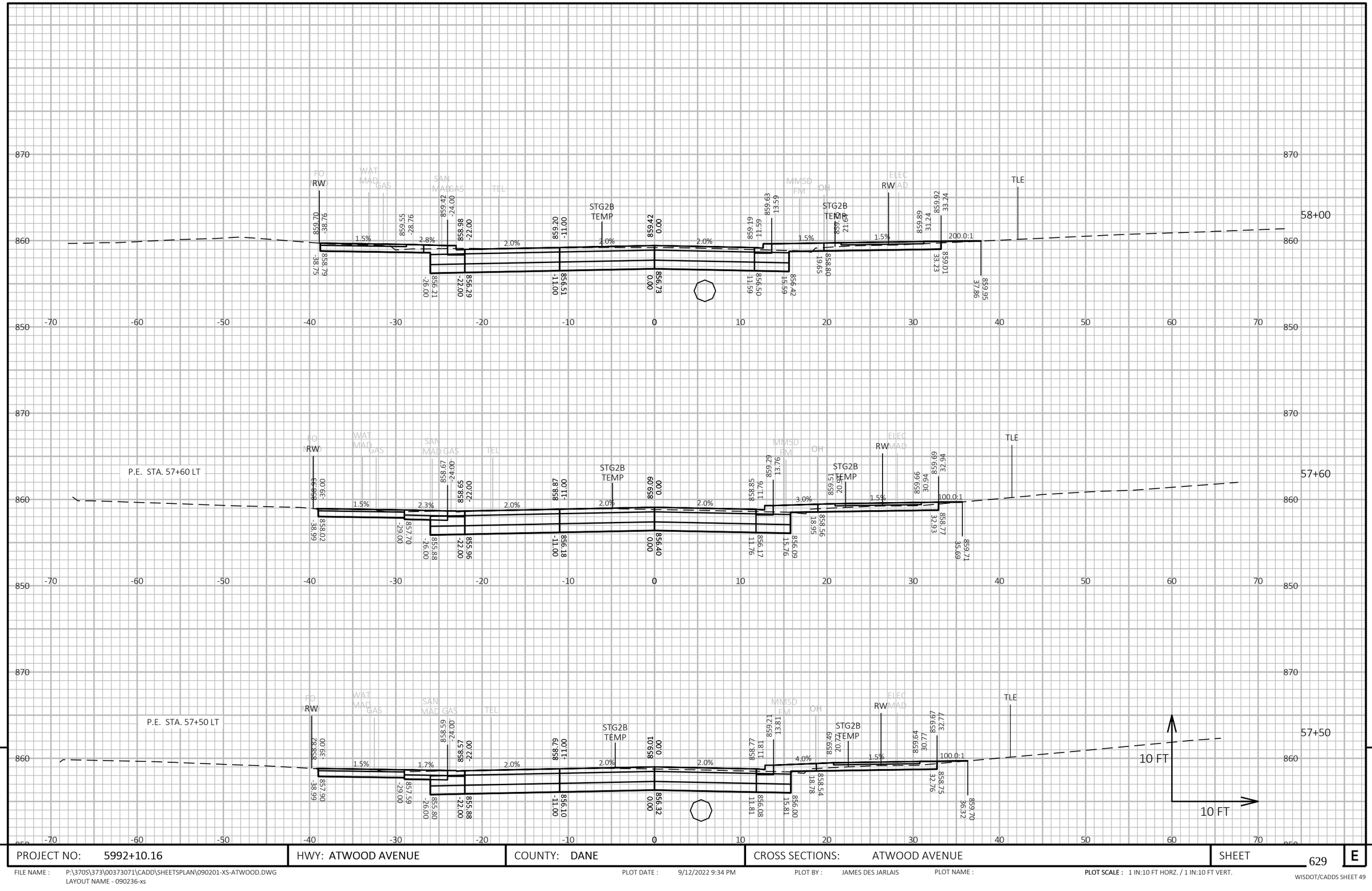
PLOT DATE : 9/12/2022 9:34 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 629 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090236-xs

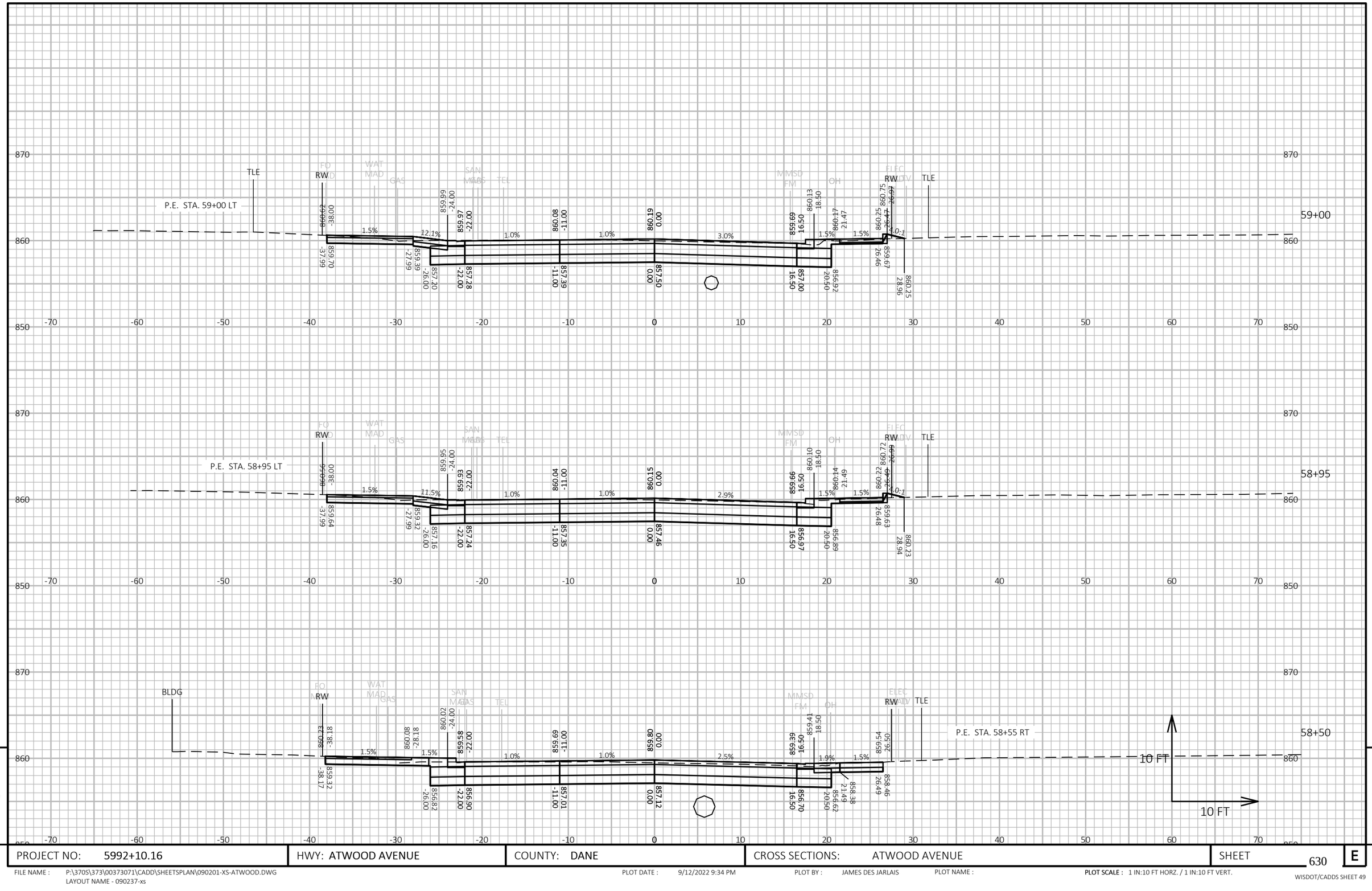
PLOT DATE : 9/12/2022 9:34 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 630	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090237-xs

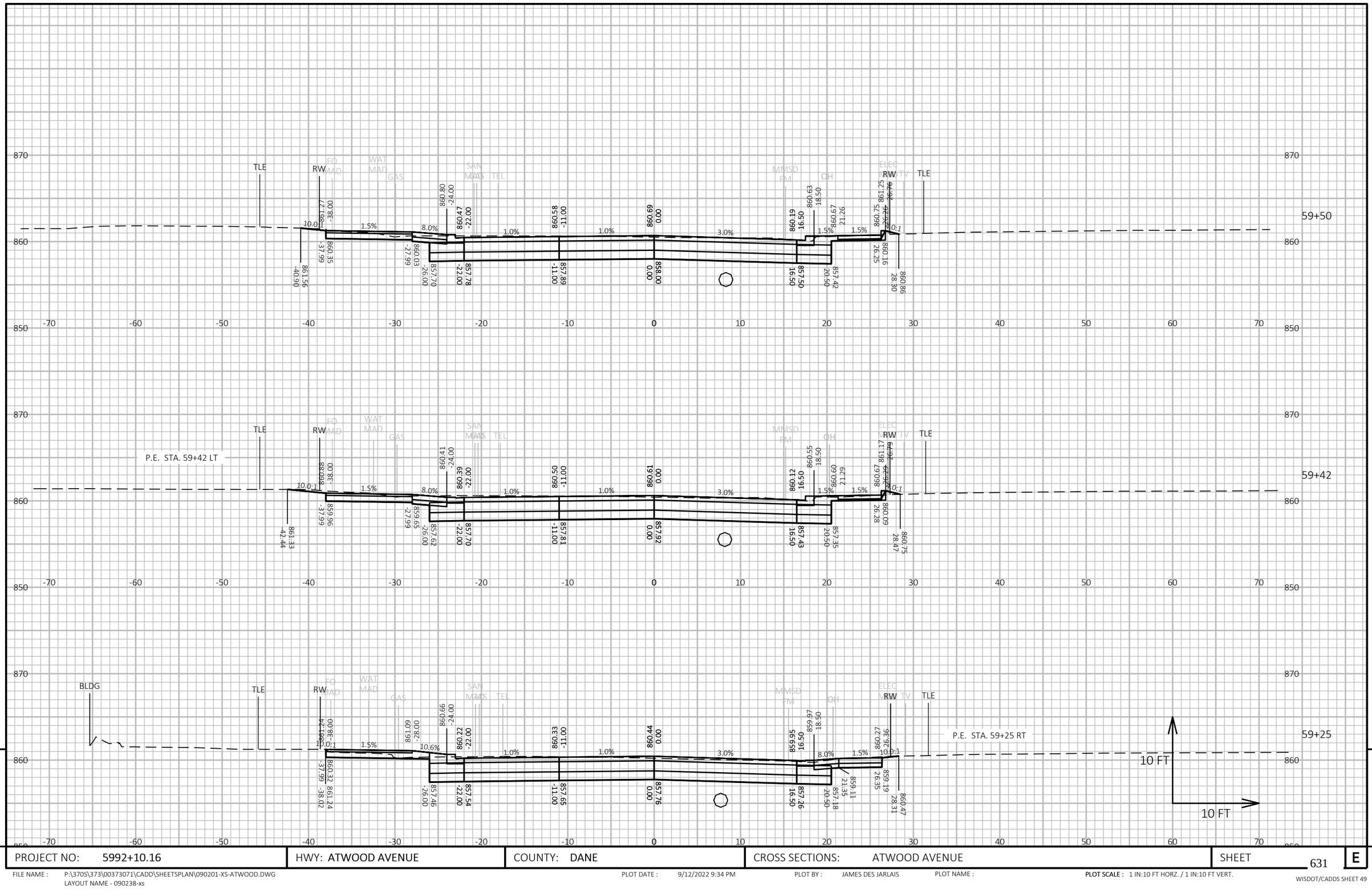
PLOT DATE : 9/12/2022 9:34 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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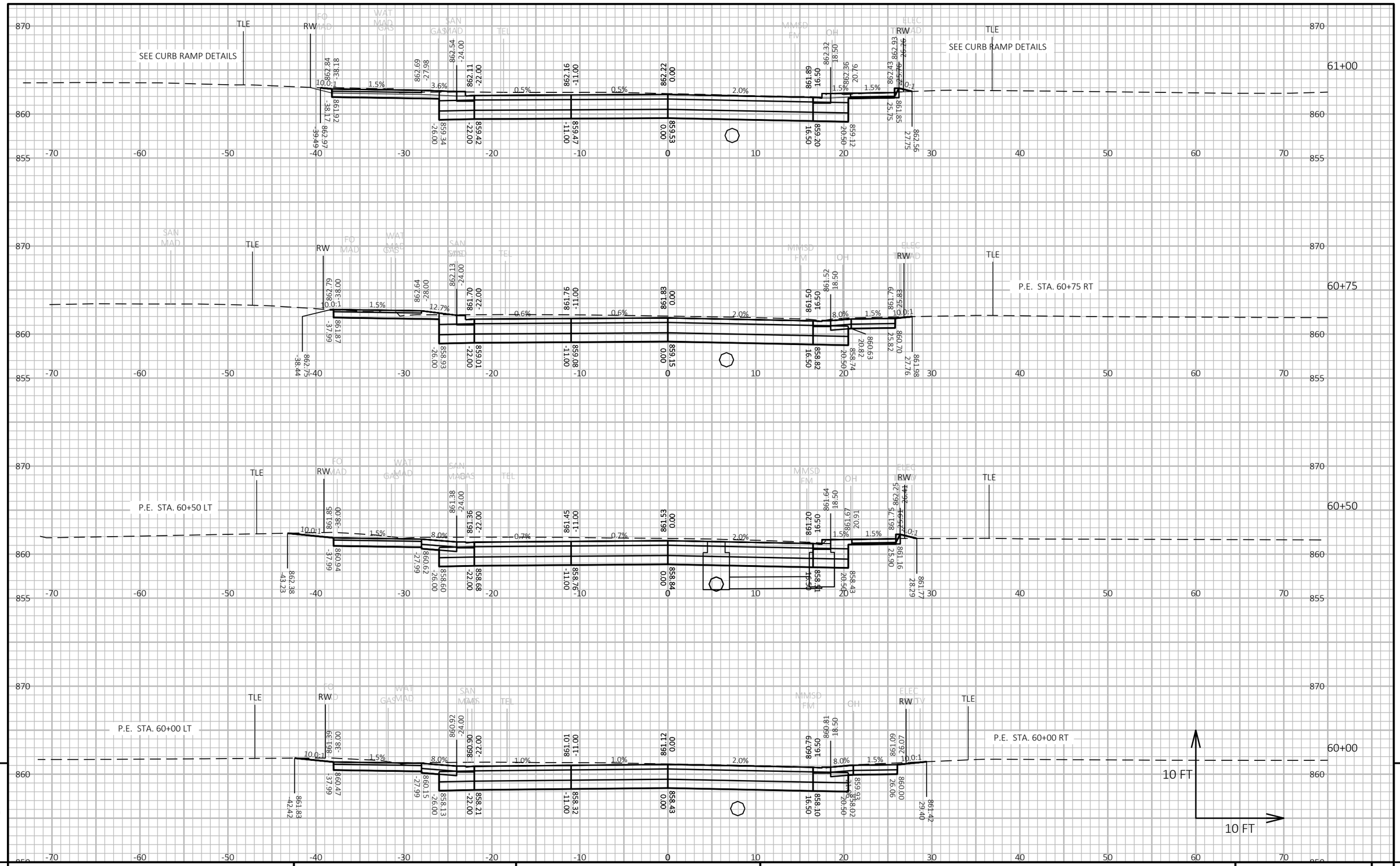
PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 631	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090238-xs

PLOT DATE : 9/12/2022 9:34 PM PLOT BY : JAMES DES JARLAIS PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 632 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090239-xs

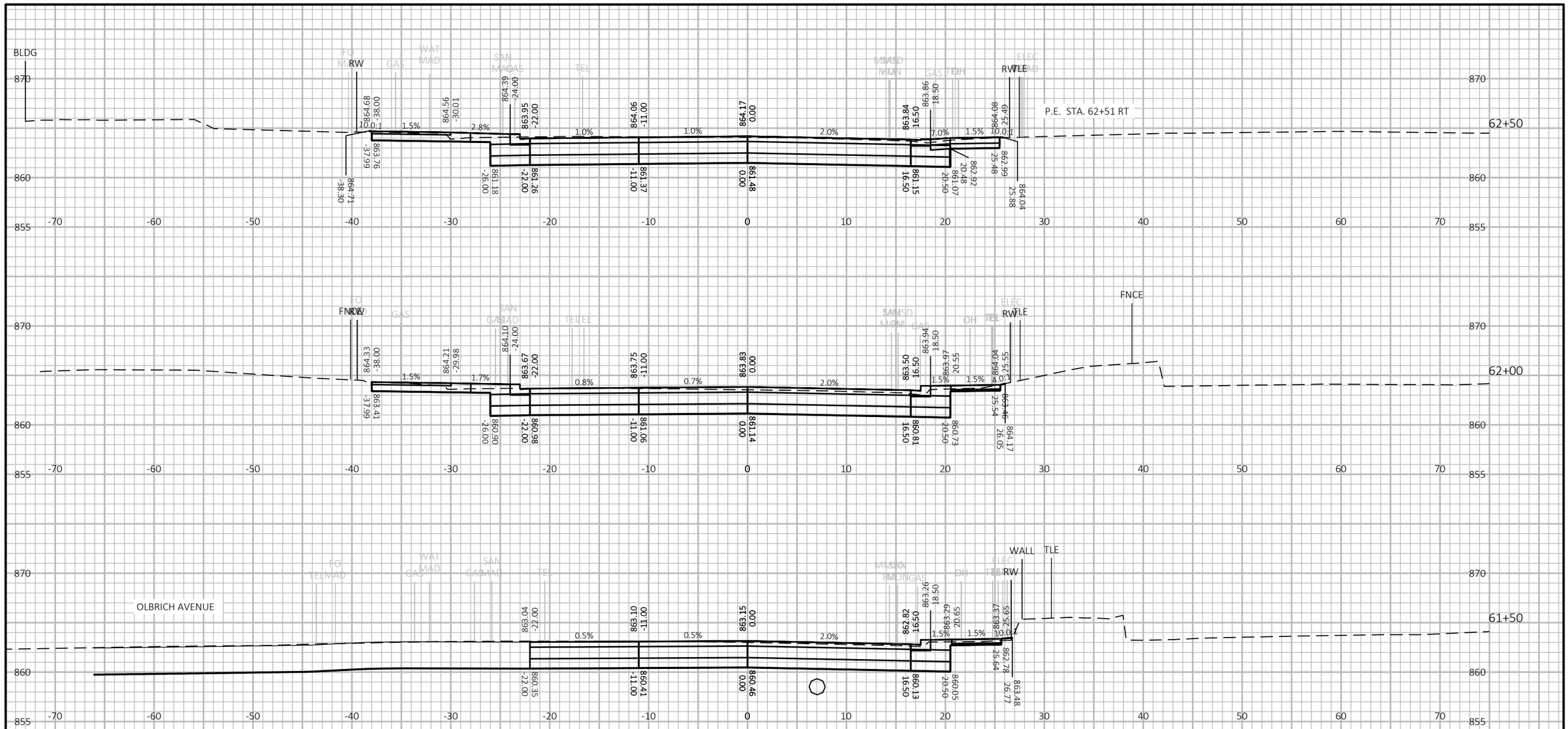
PLOT DATE : 9/12/2022 9:35 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 633	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090240-xs

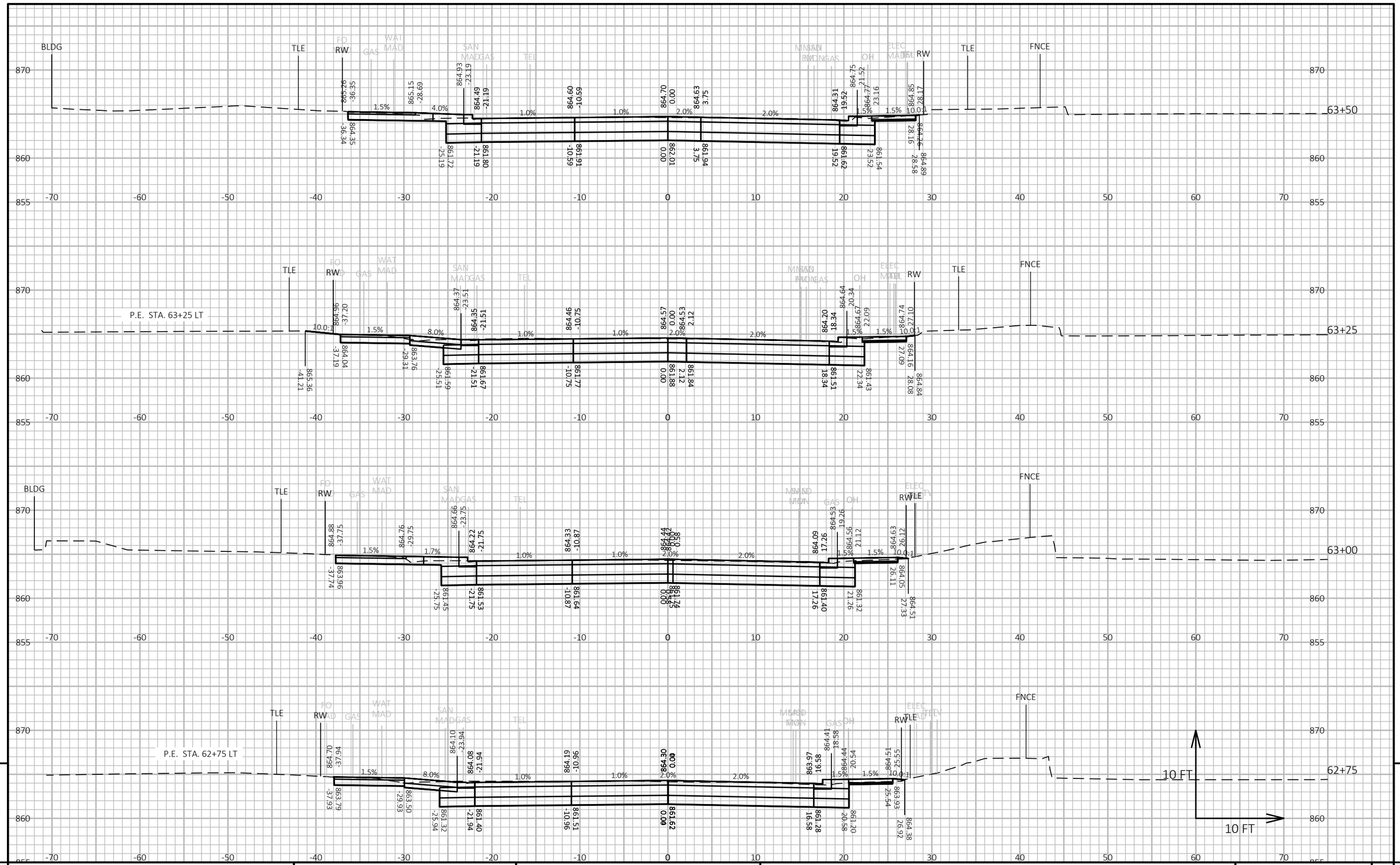
PLOT DATE : 9/12/2022 9:35 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 634	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090241-xs

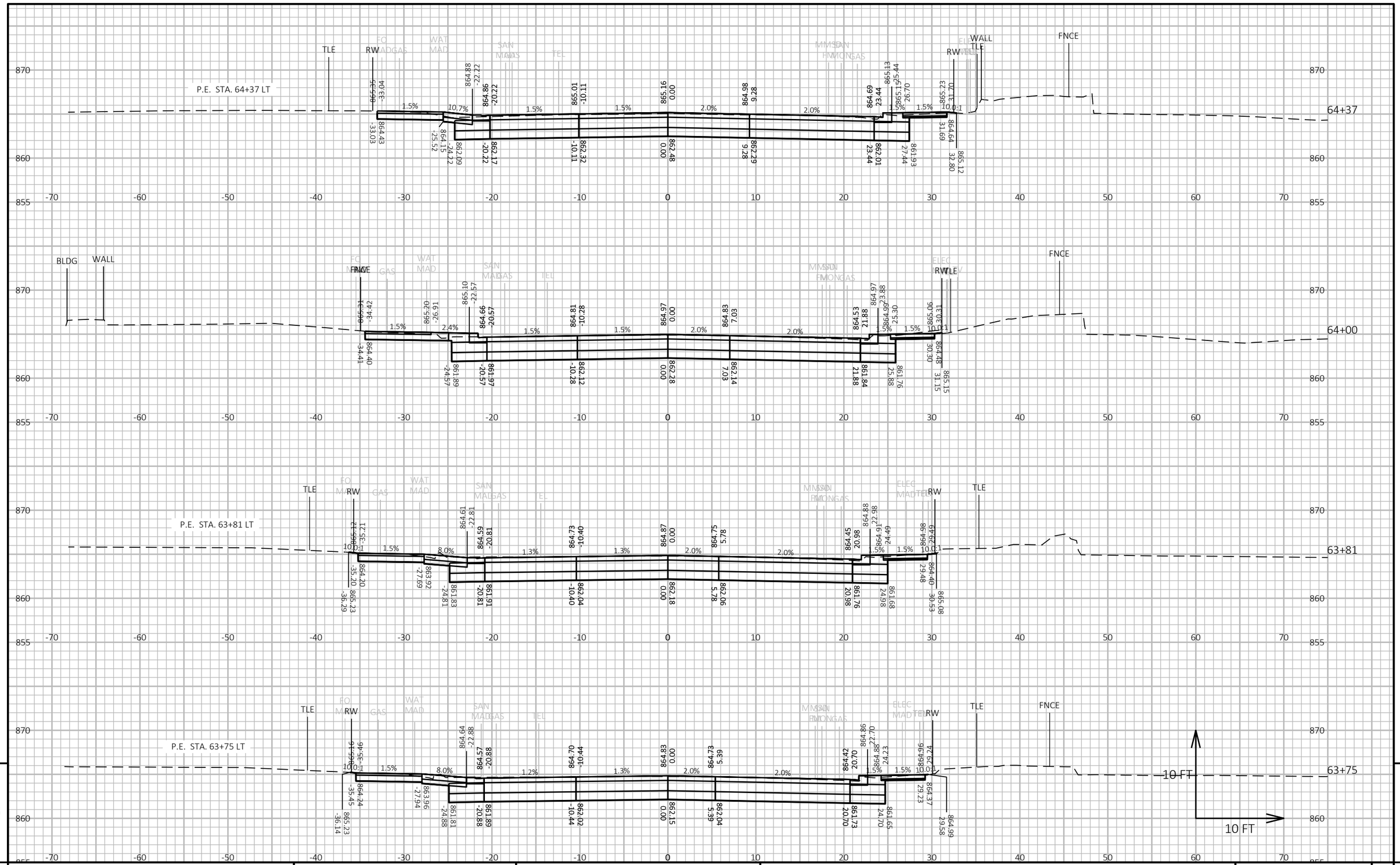
PLOT DATE : 9/12/2022 9:35 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 635	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090242-xs

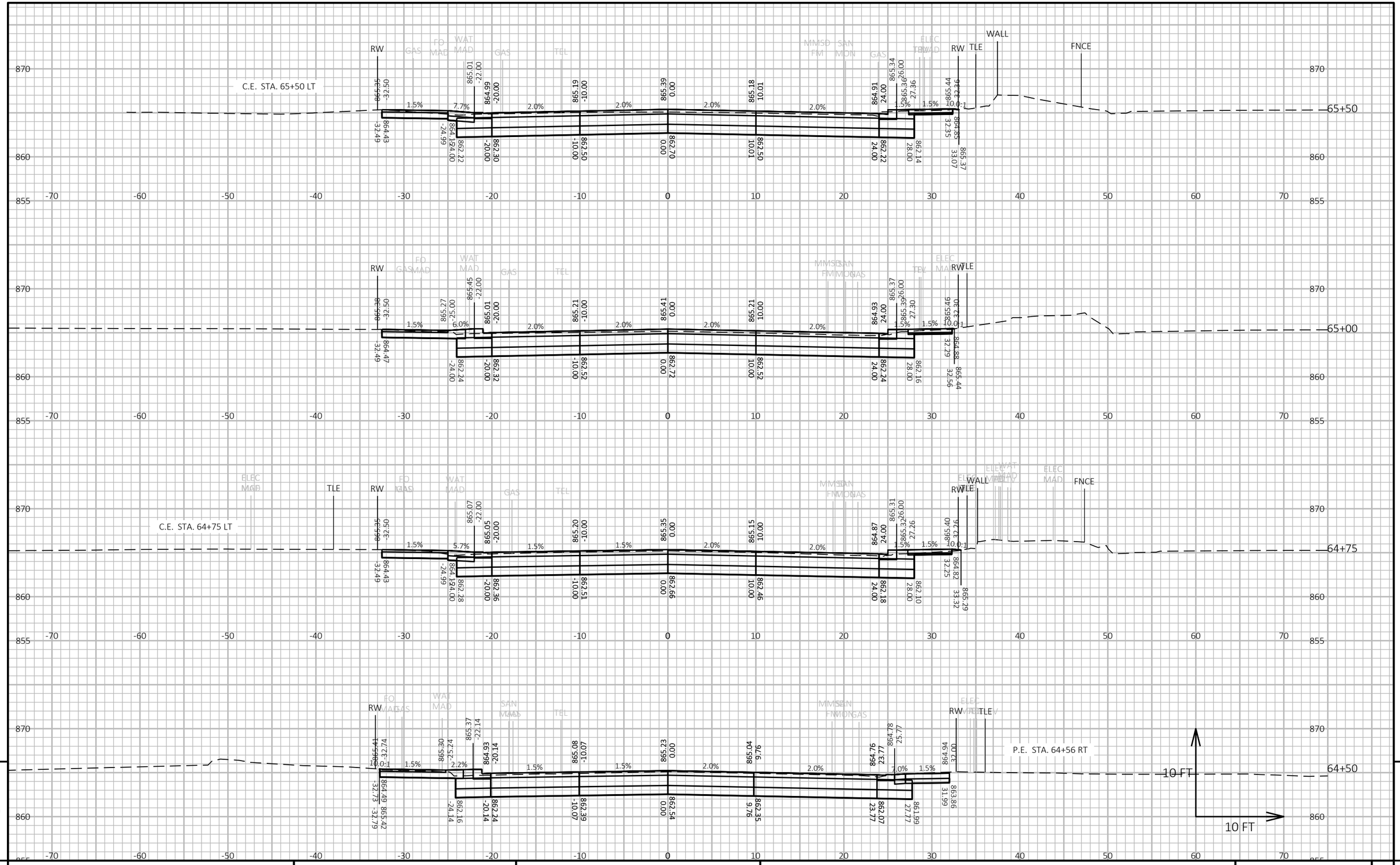
PLOT DATE : 9/12/2022 9:35 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 636	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090243-xs

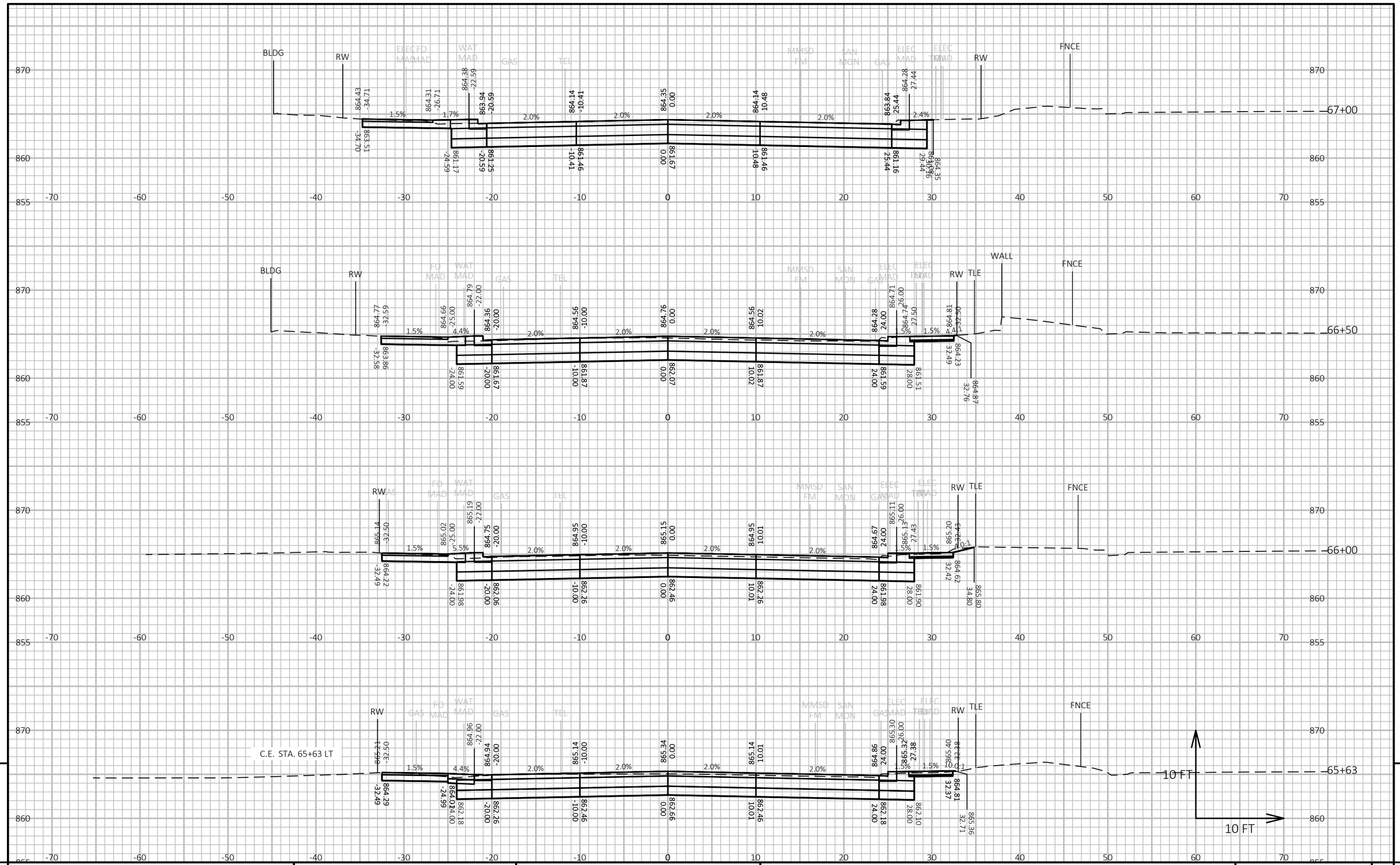
PLOT DATE : 9/12/2022 9:36 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 637	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090244-xs

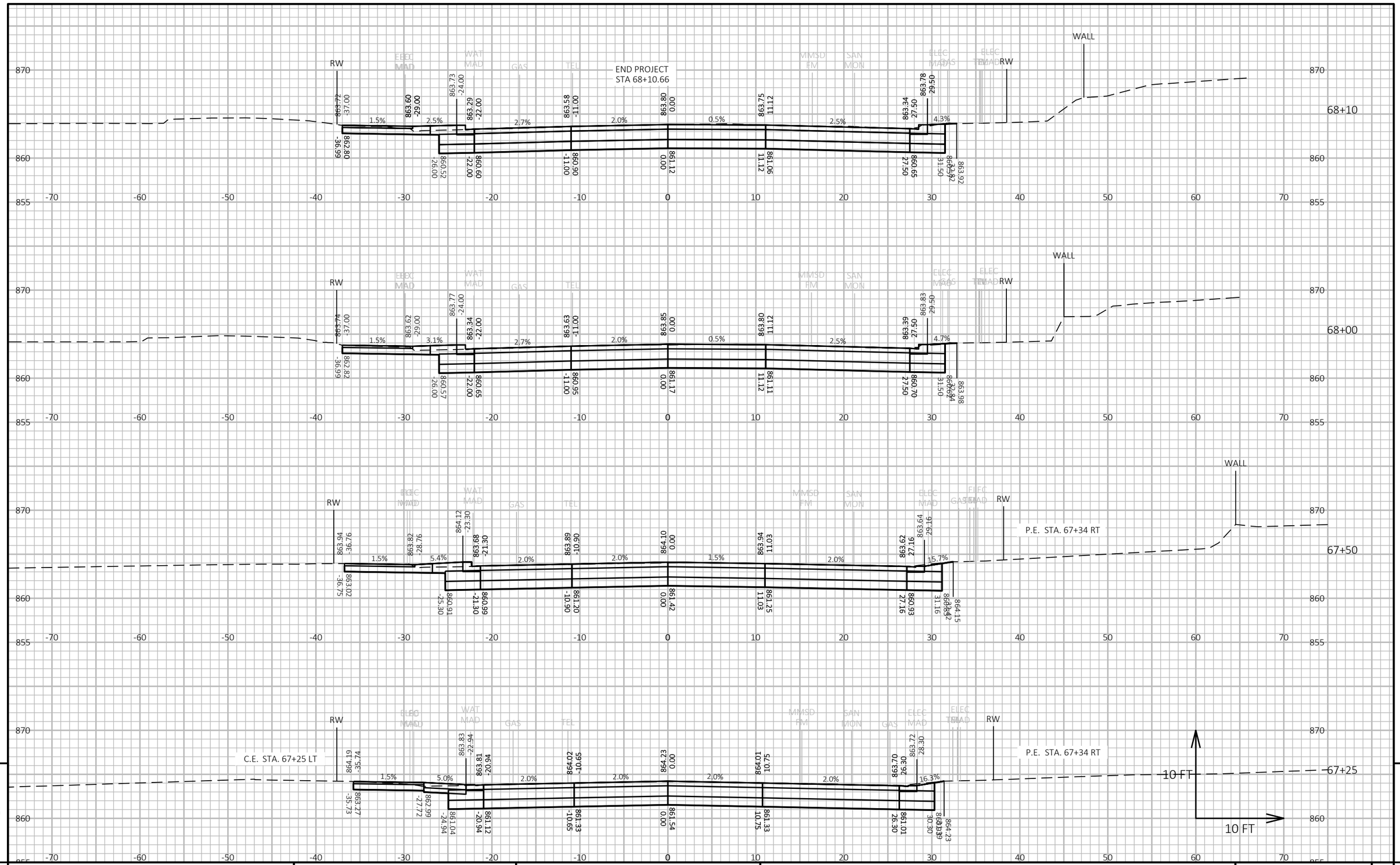
PLOT DATE : 9/12/2022 9:36 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 638	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090245-xs

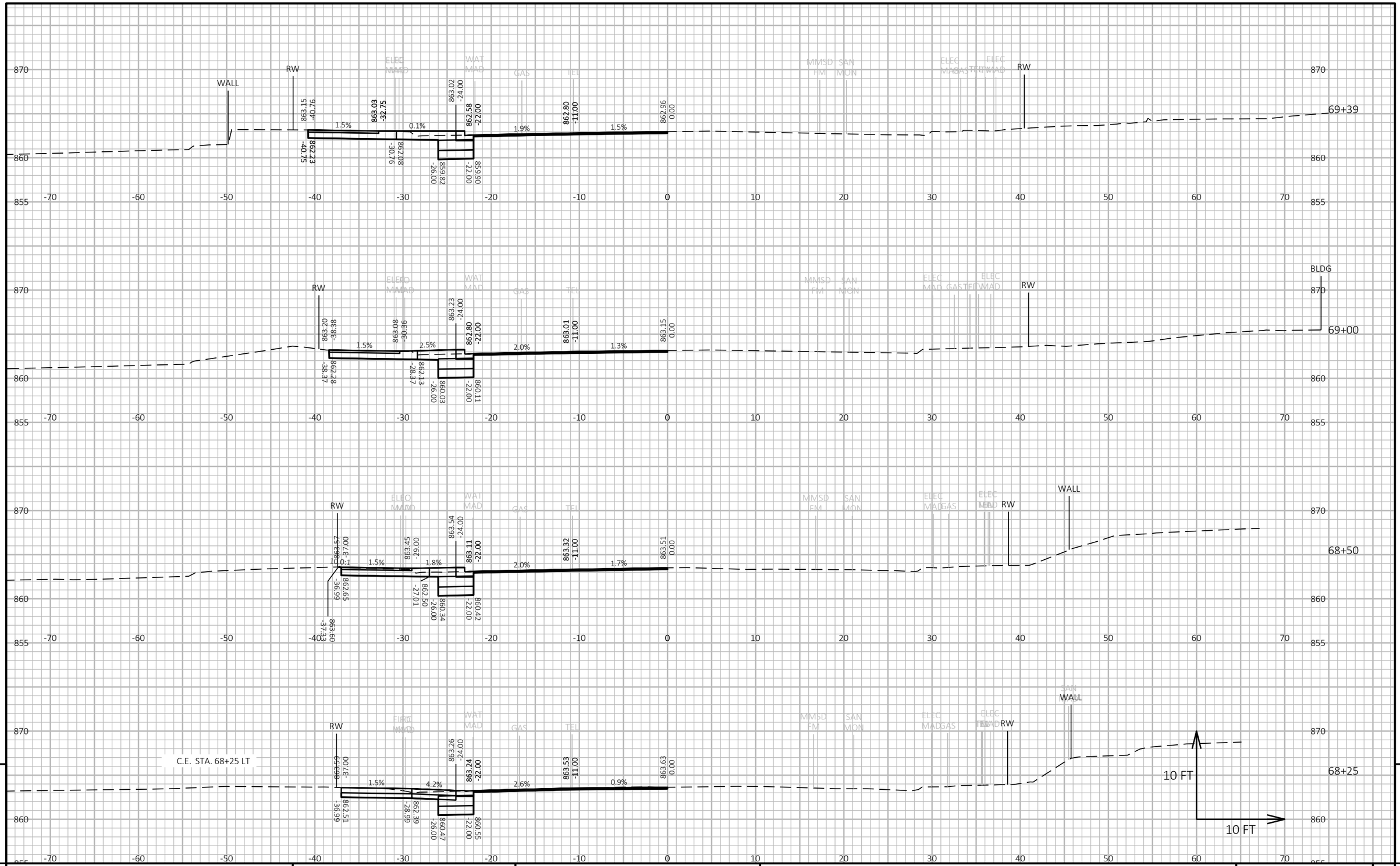
PLOT DATE : 9/12/2022 9:36 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 639	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090246-xs

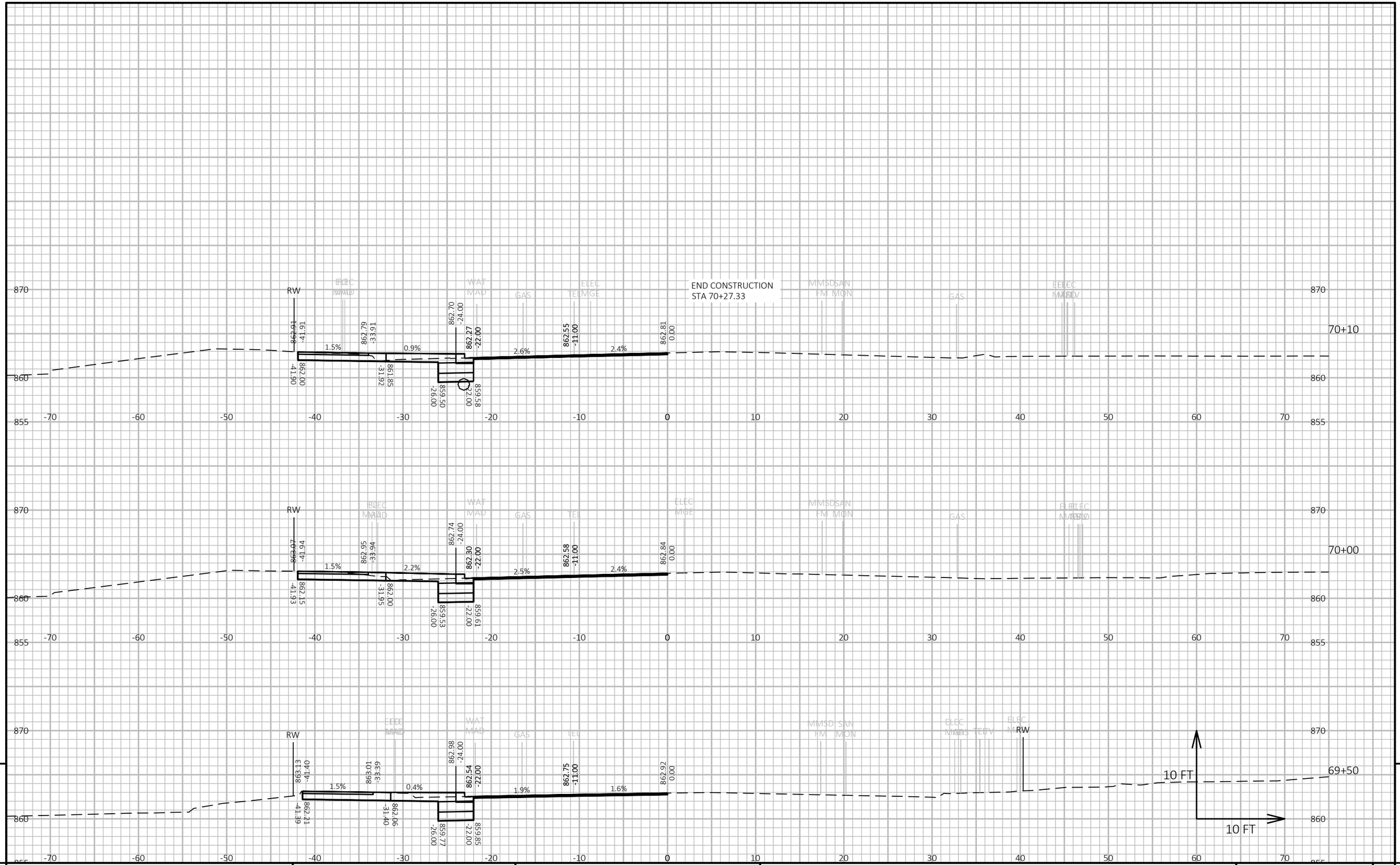
PLOT DATE : 9/12/2022 9:36 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: ATWOOD AVENUE	SHEET 640	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090247-xs

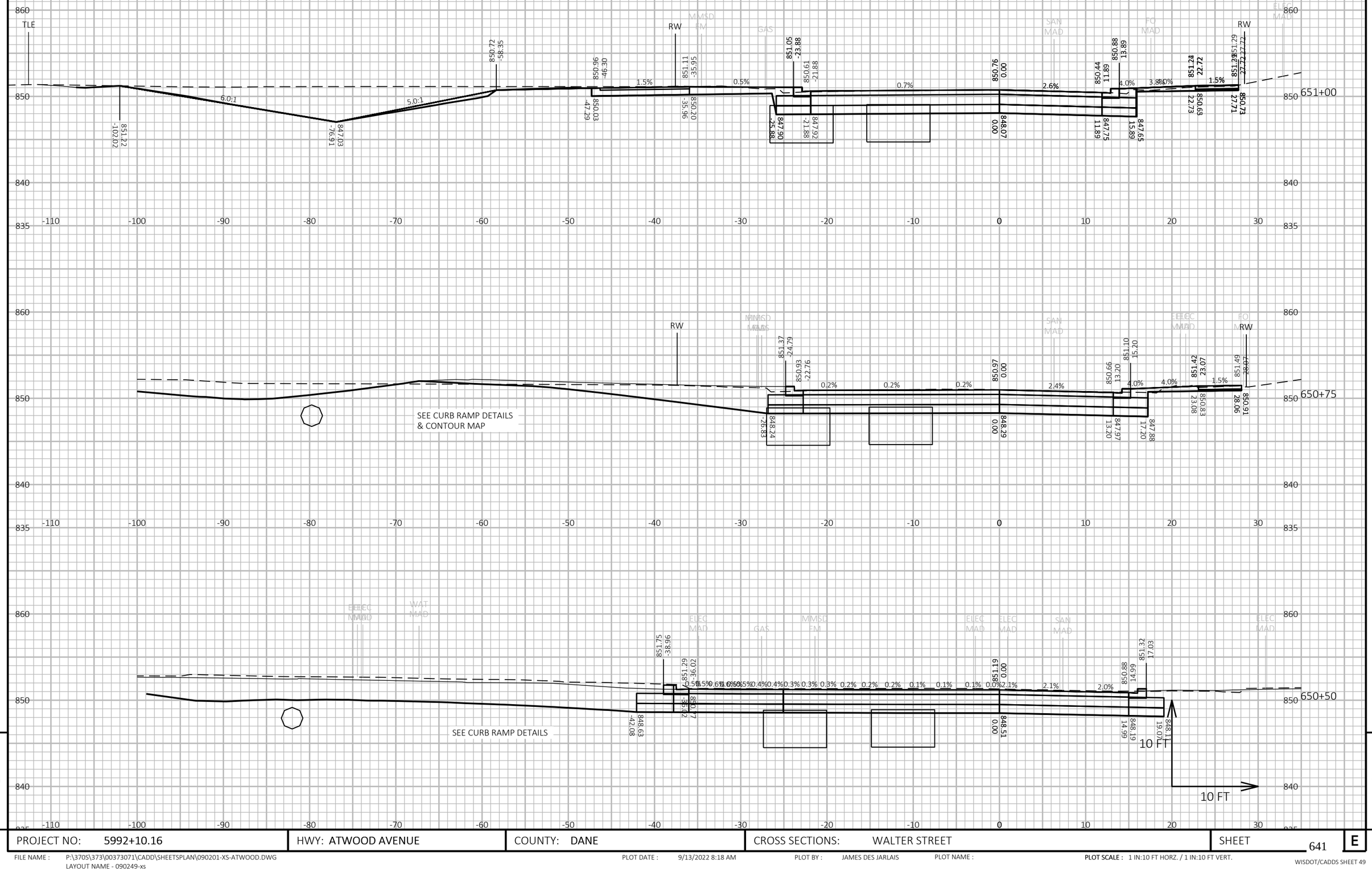
PLOT DATE : 9/12/2022 9:37 PM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



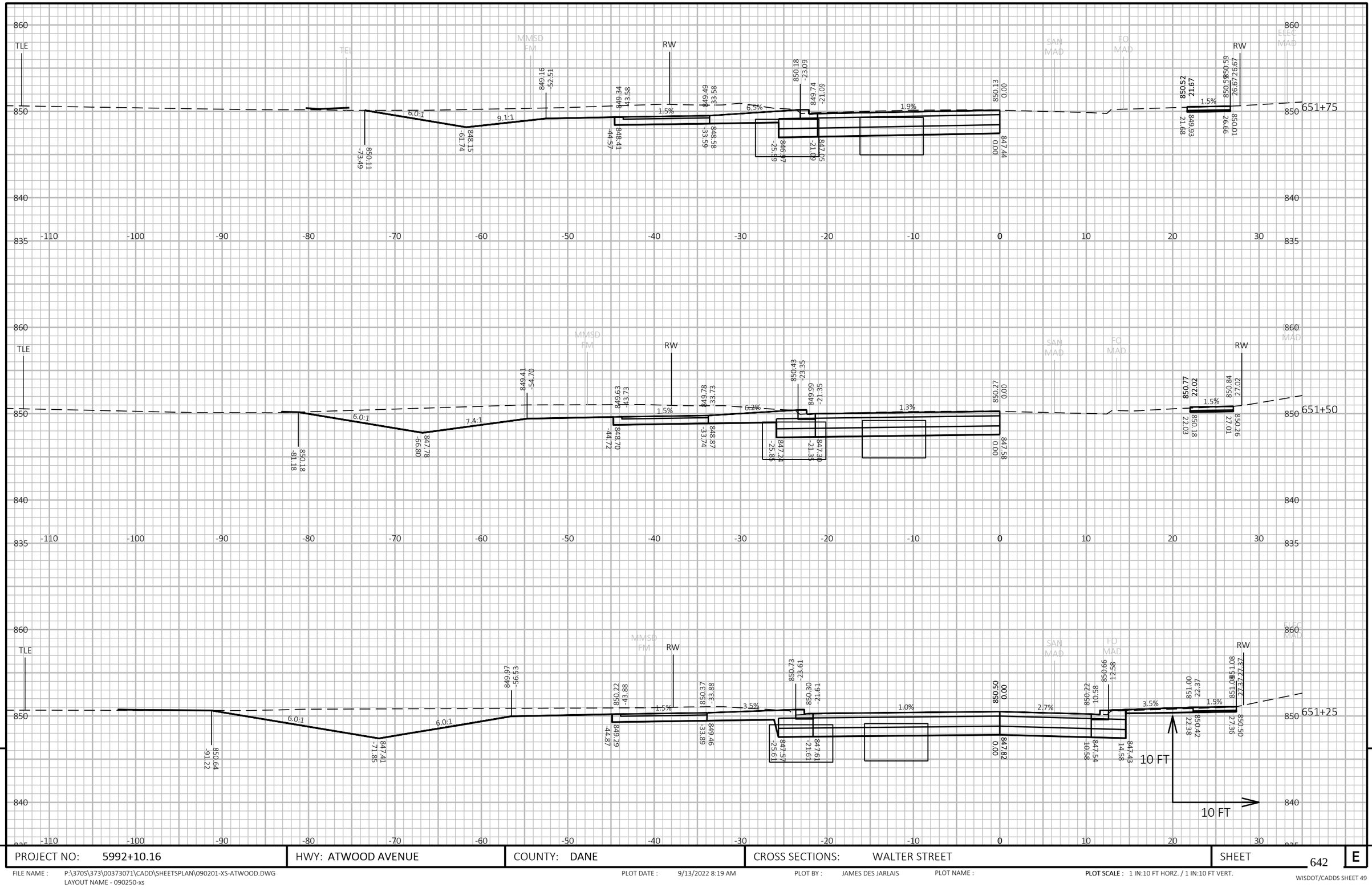
PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: WALTER STREET	SHEET 641 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090249-xs

PLOT DATE : 9/13/2022 8:18 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9 9

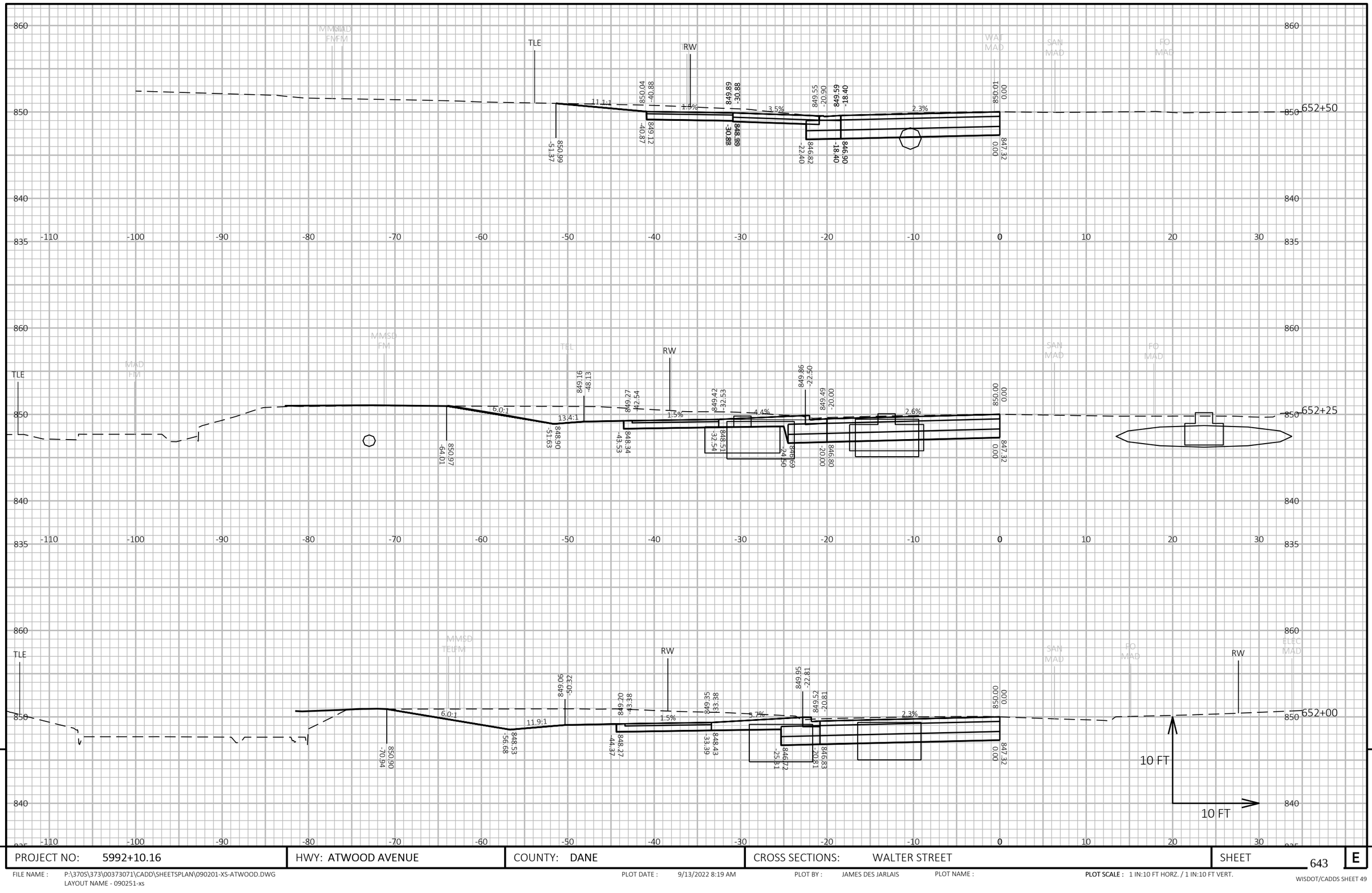


PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: WALTER STREET	SHEET 642 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090250-xs

PLOT DATE : 9/13/2022 8:19 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

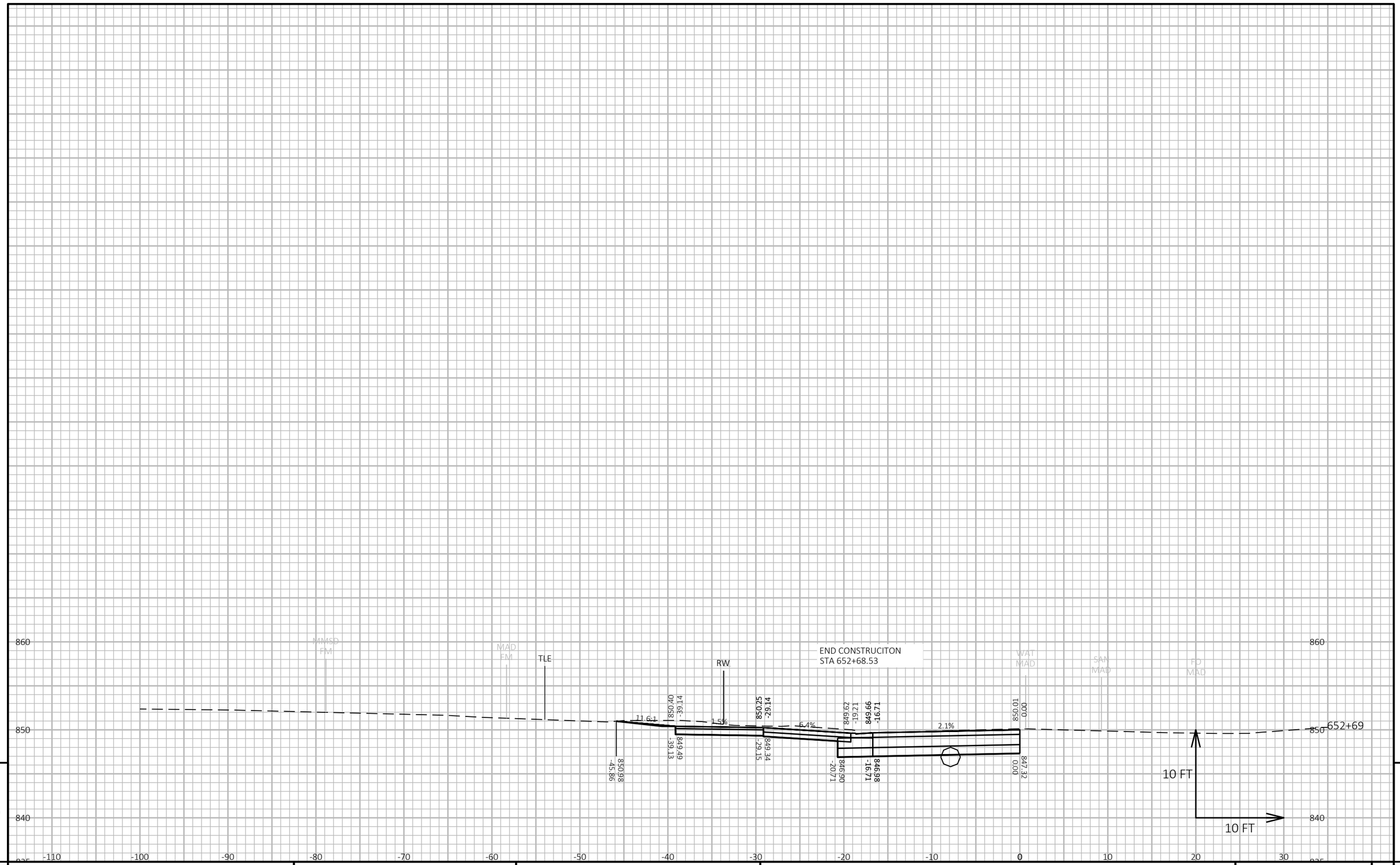


PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: WALTER STREET	SHEET 643 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090251-xs

PLOT DATE : 9/13/2022 8:19 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: WALTER STREET	SHEET 644	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090252-xs

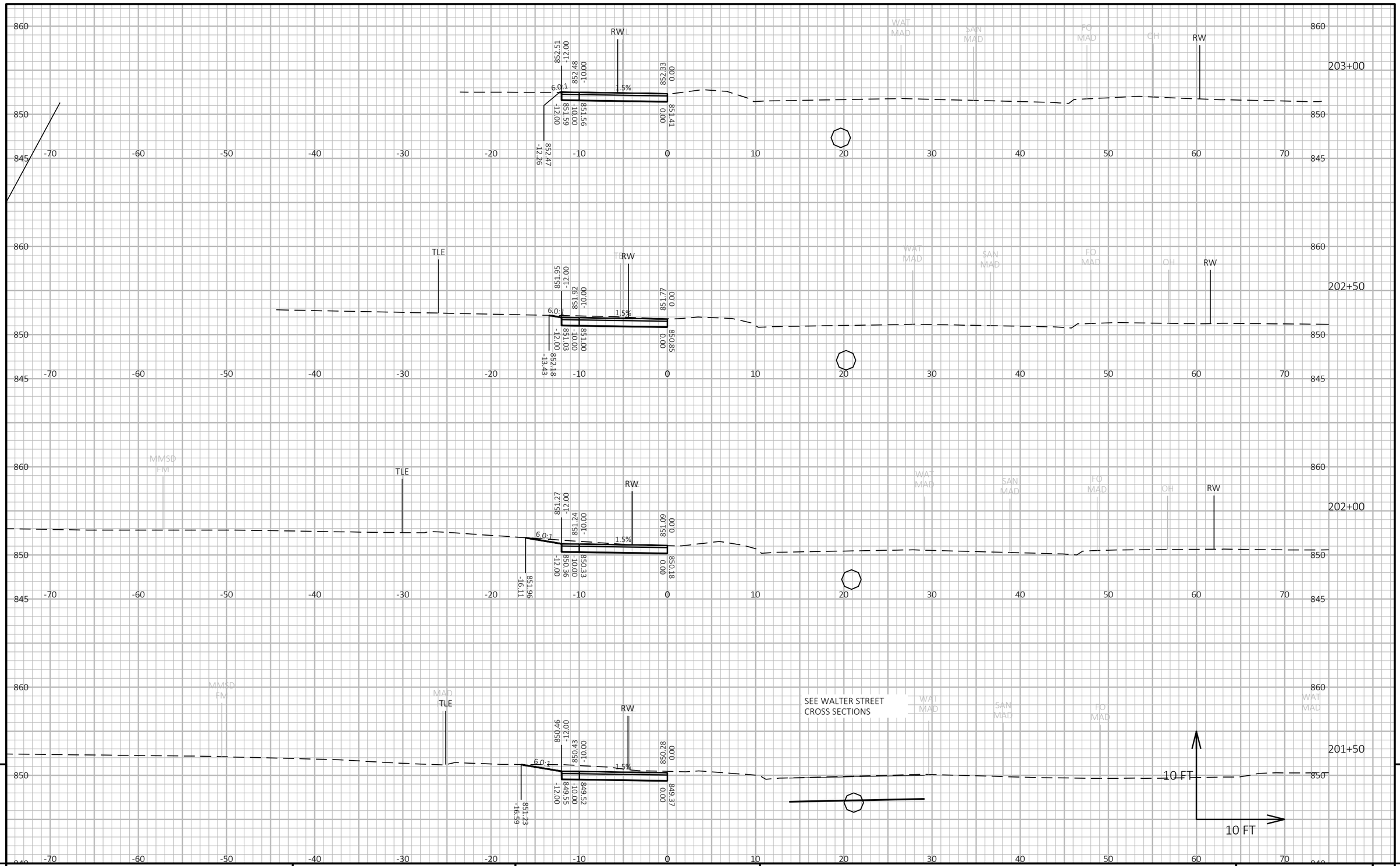
PLOT DATE : 9/13/2022 8:20 AM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: WALTER STREET MULTI-USE PATH	SHEET 645	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090253-xs

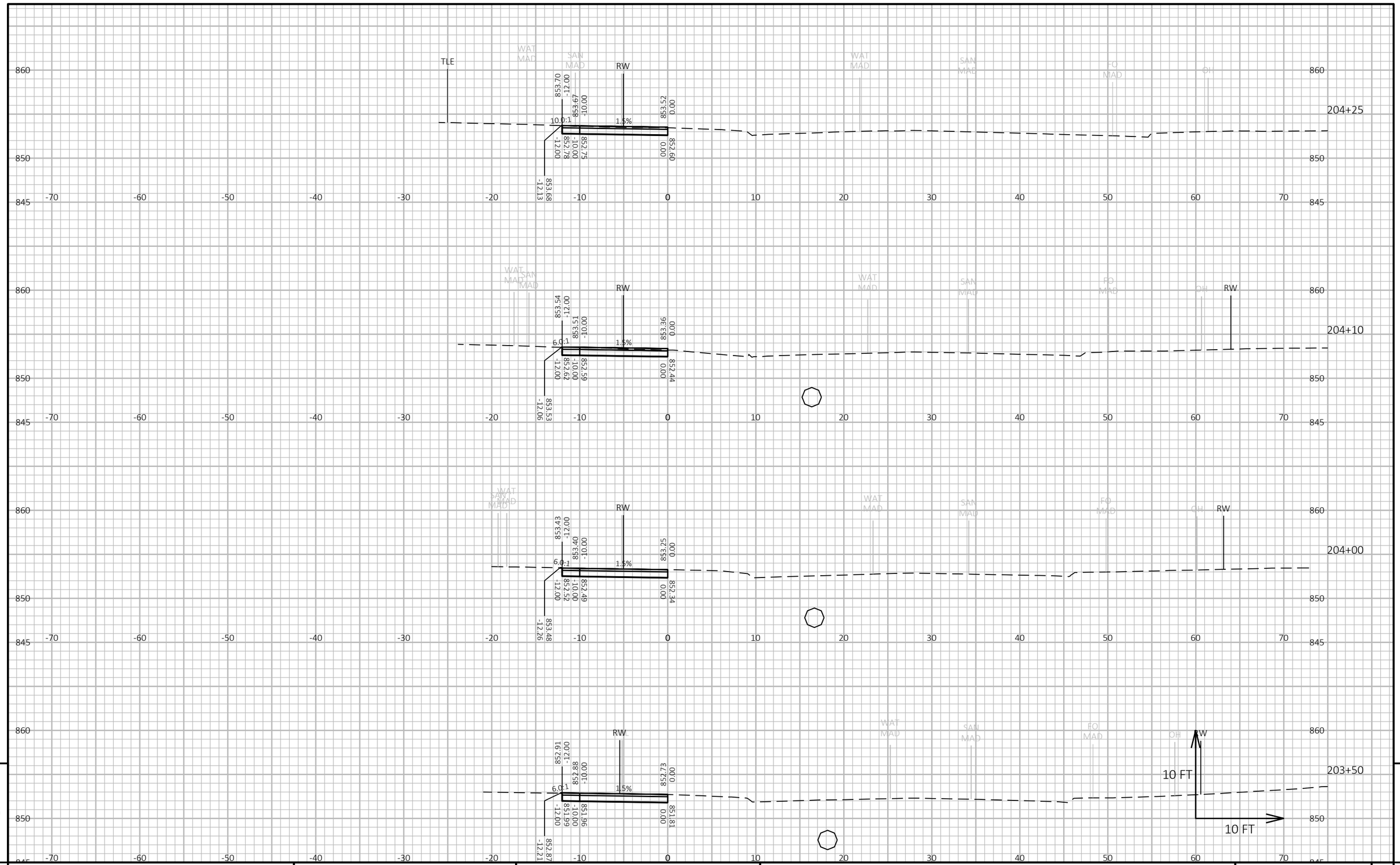
PLOT DATE : 9/13/2022 8:43 AM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: WALTER STREET MULTI-USE PATH	SHEET 646 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090254-xs

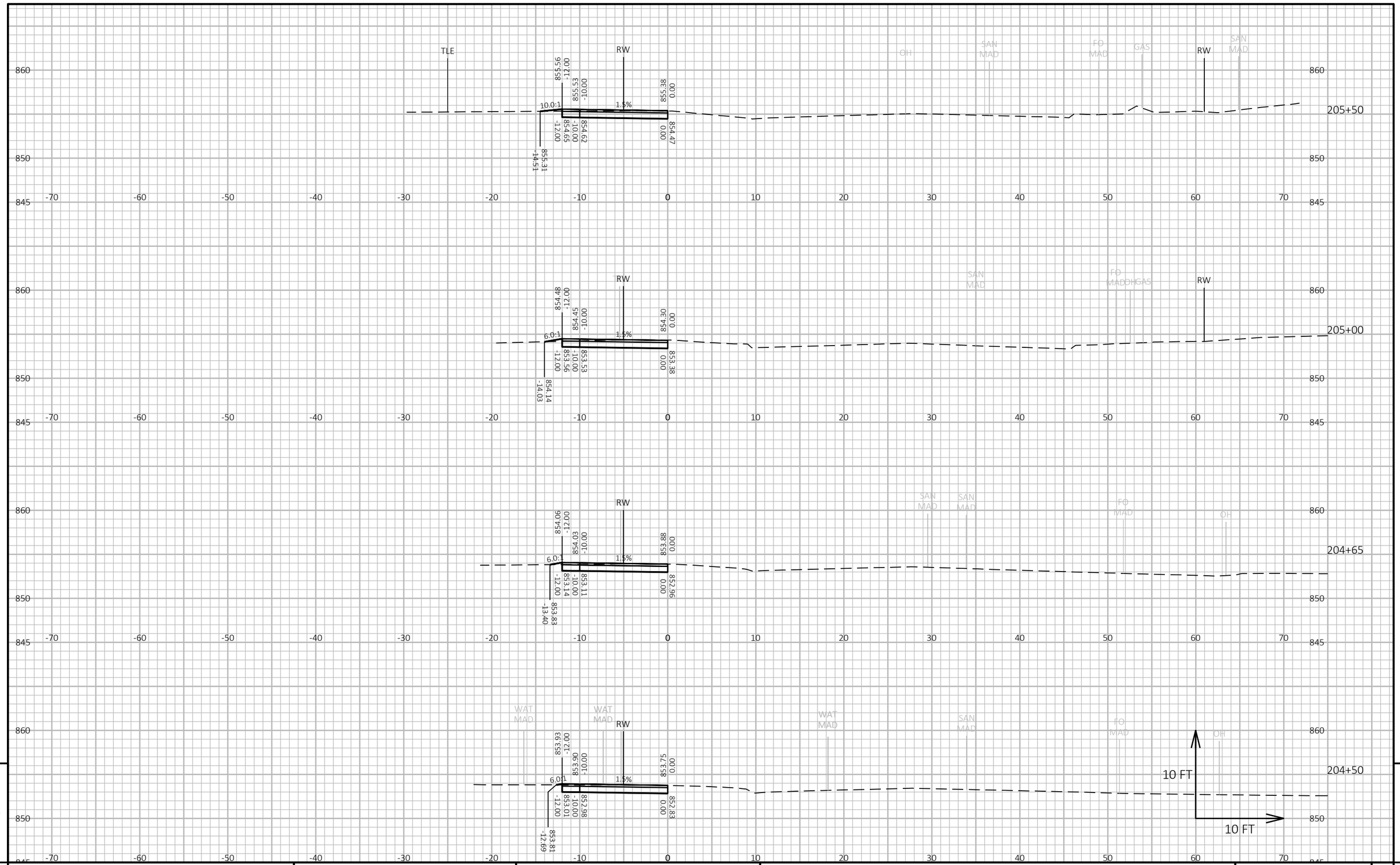
PLOT DATE : 9/13/2022 8:43 AM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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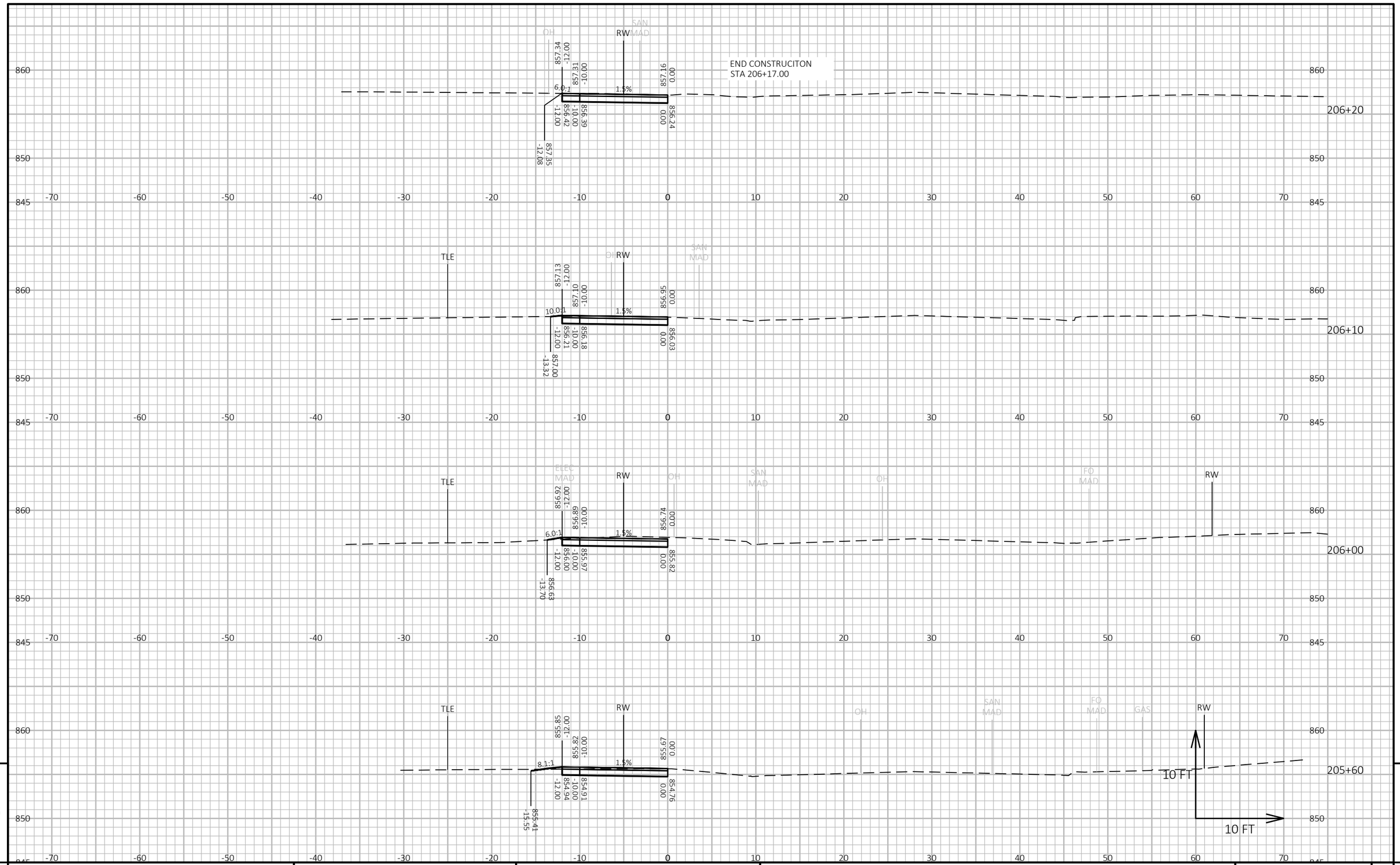
PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: WALTER STREET MULTI-USE PATH	SHEET 647	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090255-xs

PLOT DATE : 9/13/2022 8:43 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

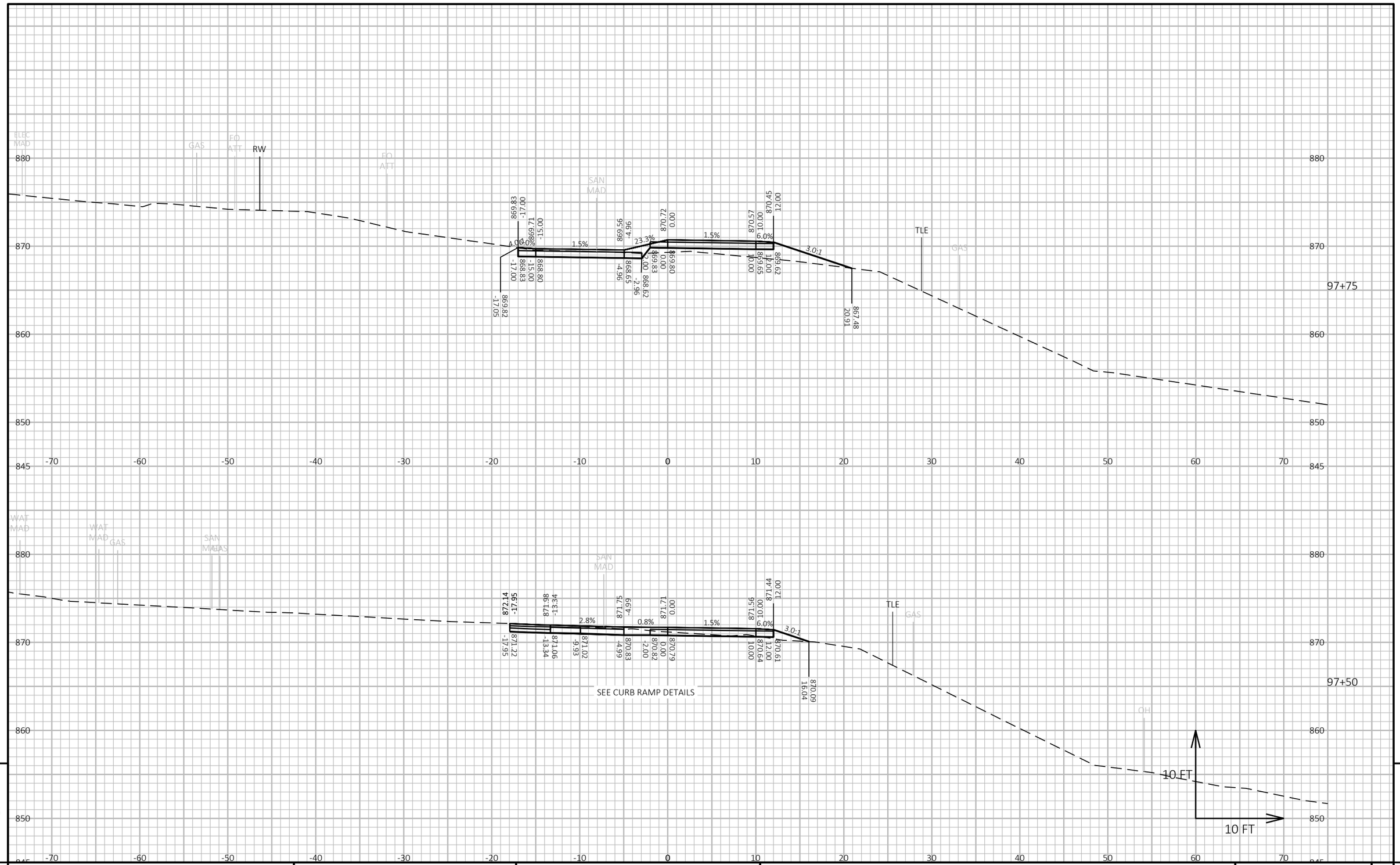


PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: WALTER STREET MULTI-USE PATH	SHEET 648	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090256-xs

PLOT DATE : 9/13/2022 8:44 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: LAKELAND AVENUE MULTI-USE PATH	SHEET 649	E

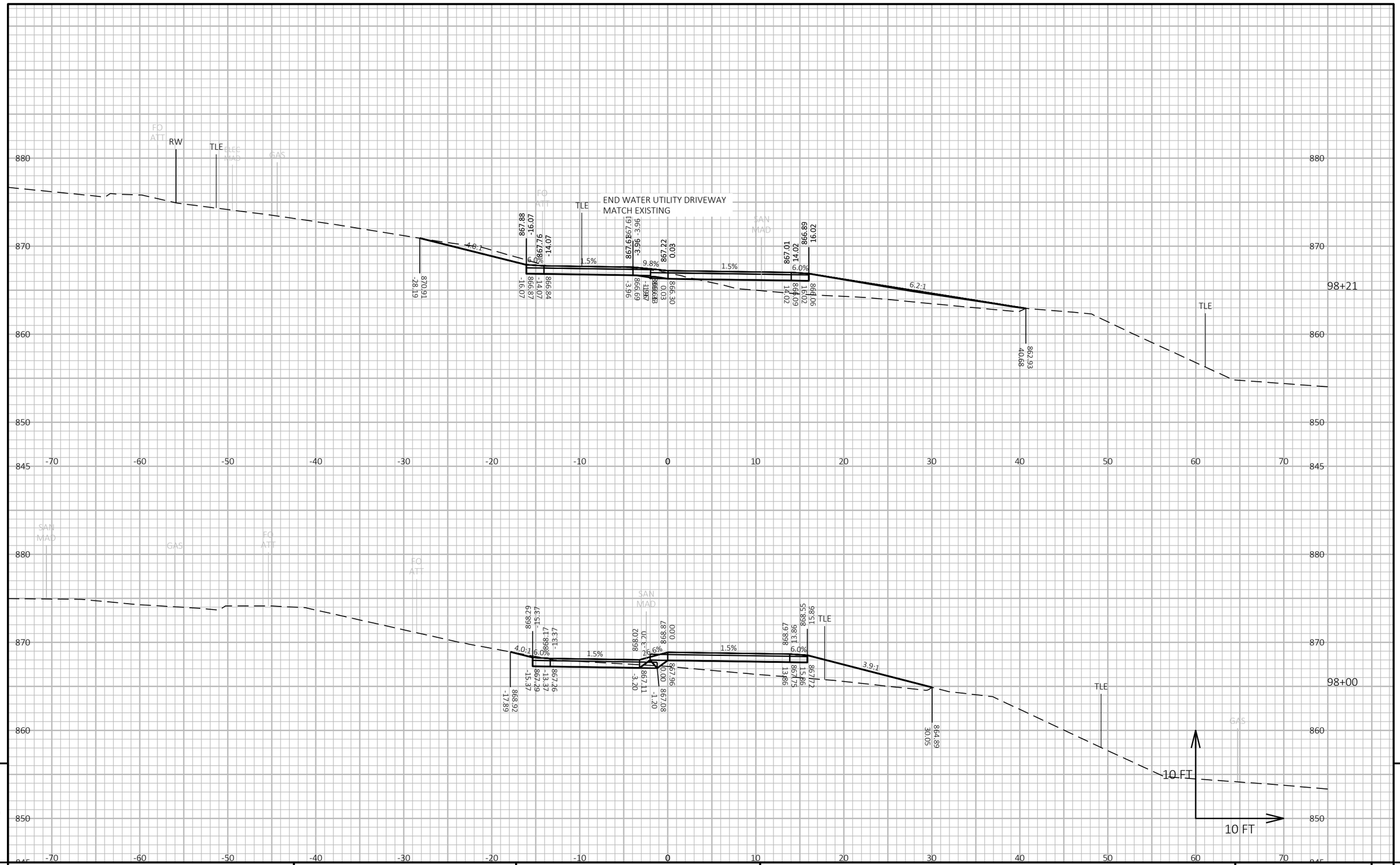
FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090202-XS-BIKEPATH.DWG
LAYOUT NAME - 090301-xs

PLOT DATE : 9/13/2022 7:45 AM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: LAKELAND AVENUE MULTI-USE PATH	SHEET 650 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090202-XS-BIKEPATH.DWG
LAYOUT NAME - 090302-xs

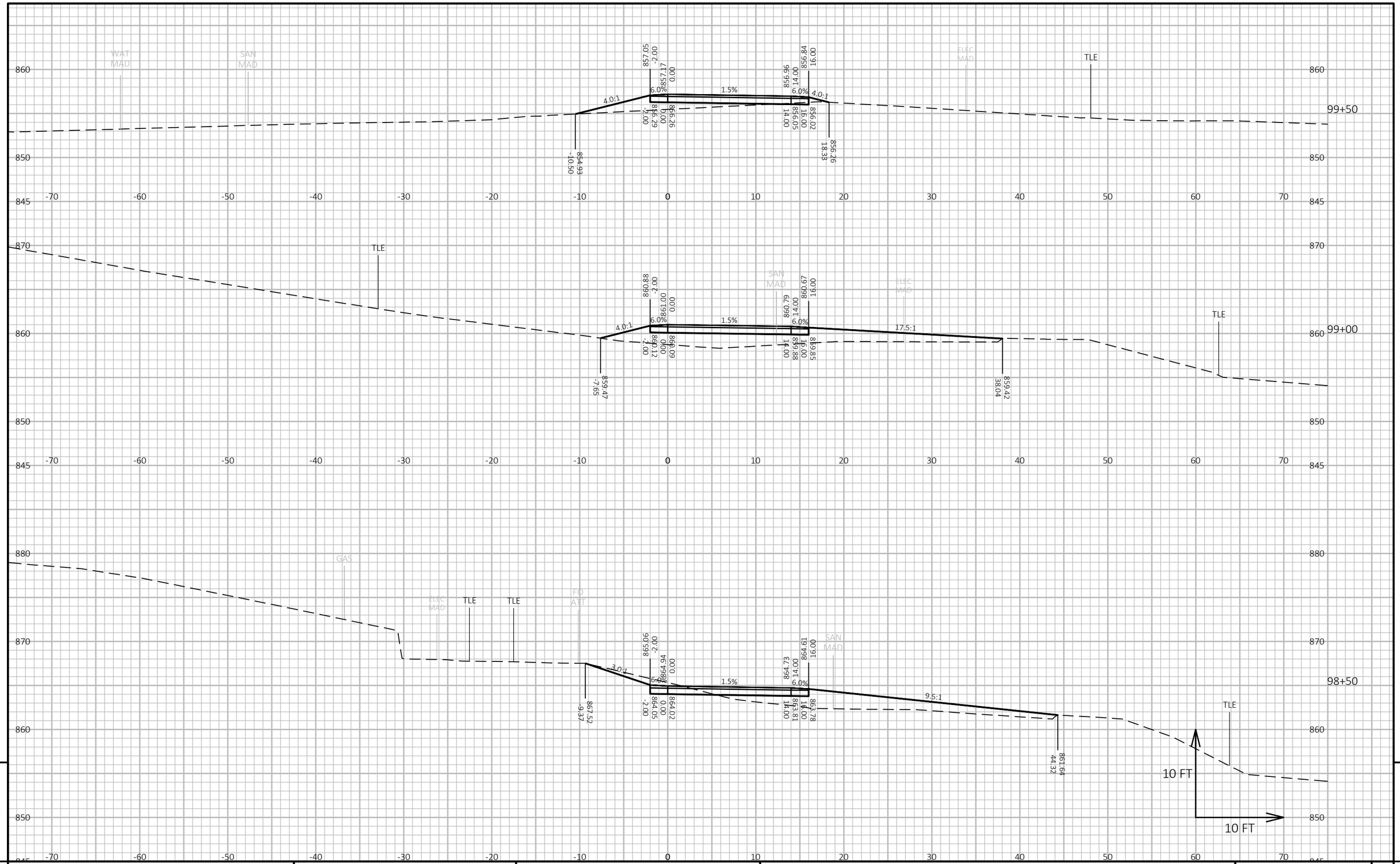
PLOT DATE : 9/13/2022 7:45 AM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

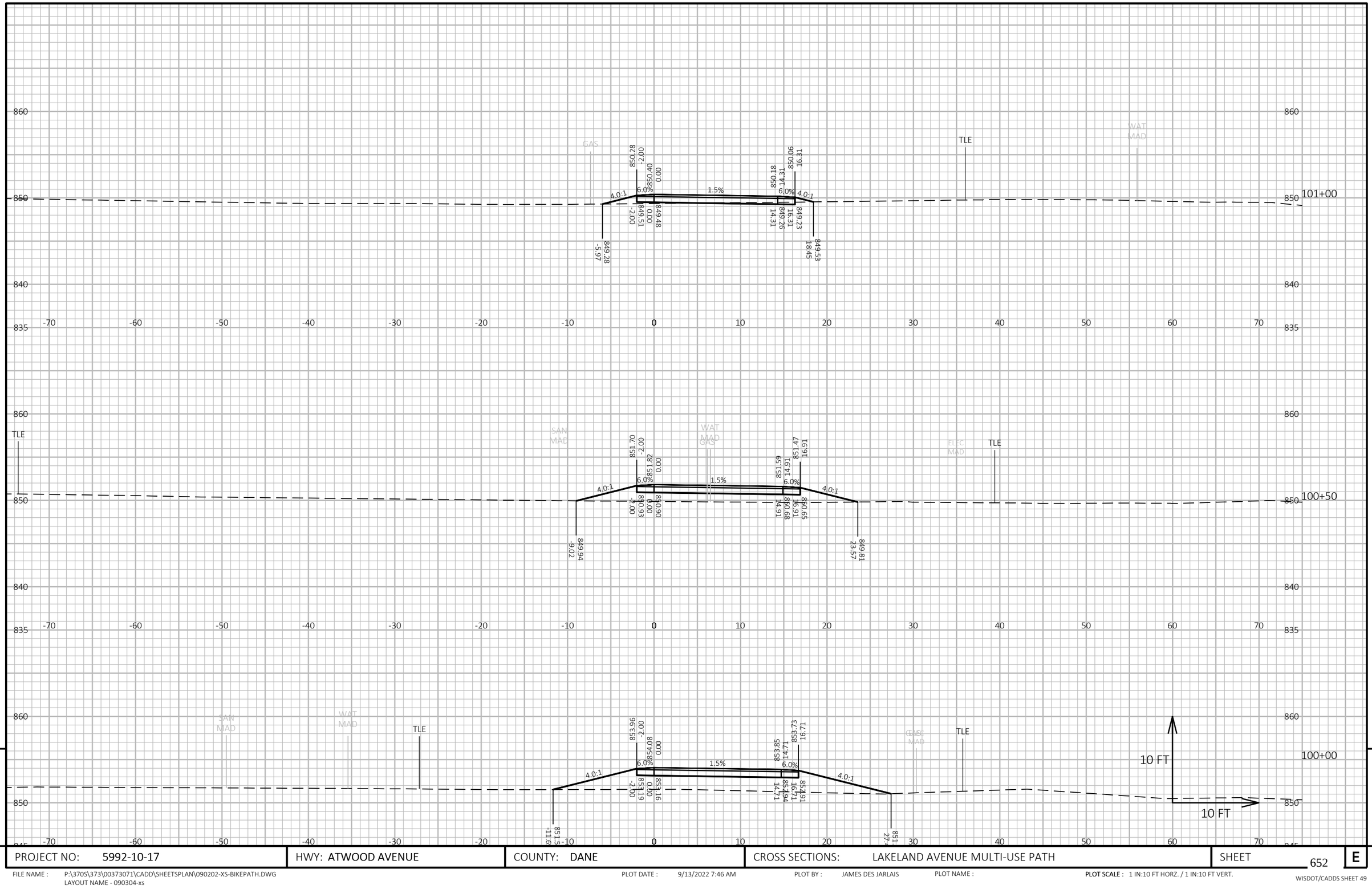


PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: LAKELAND AVENUE MULTI-USE PATH	SHEET 651 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090202-XS-BIKEPATH.DWG
LAYOUT NAME - 090303-xs

PLOT DATE : 9/13/2022 7:46 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: LAKELAND AVENUE MULTI-USE PATH	SHEET 652 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090202-XS-BIKEPATH.DWG
LAYOUT NAME - 090304-xs

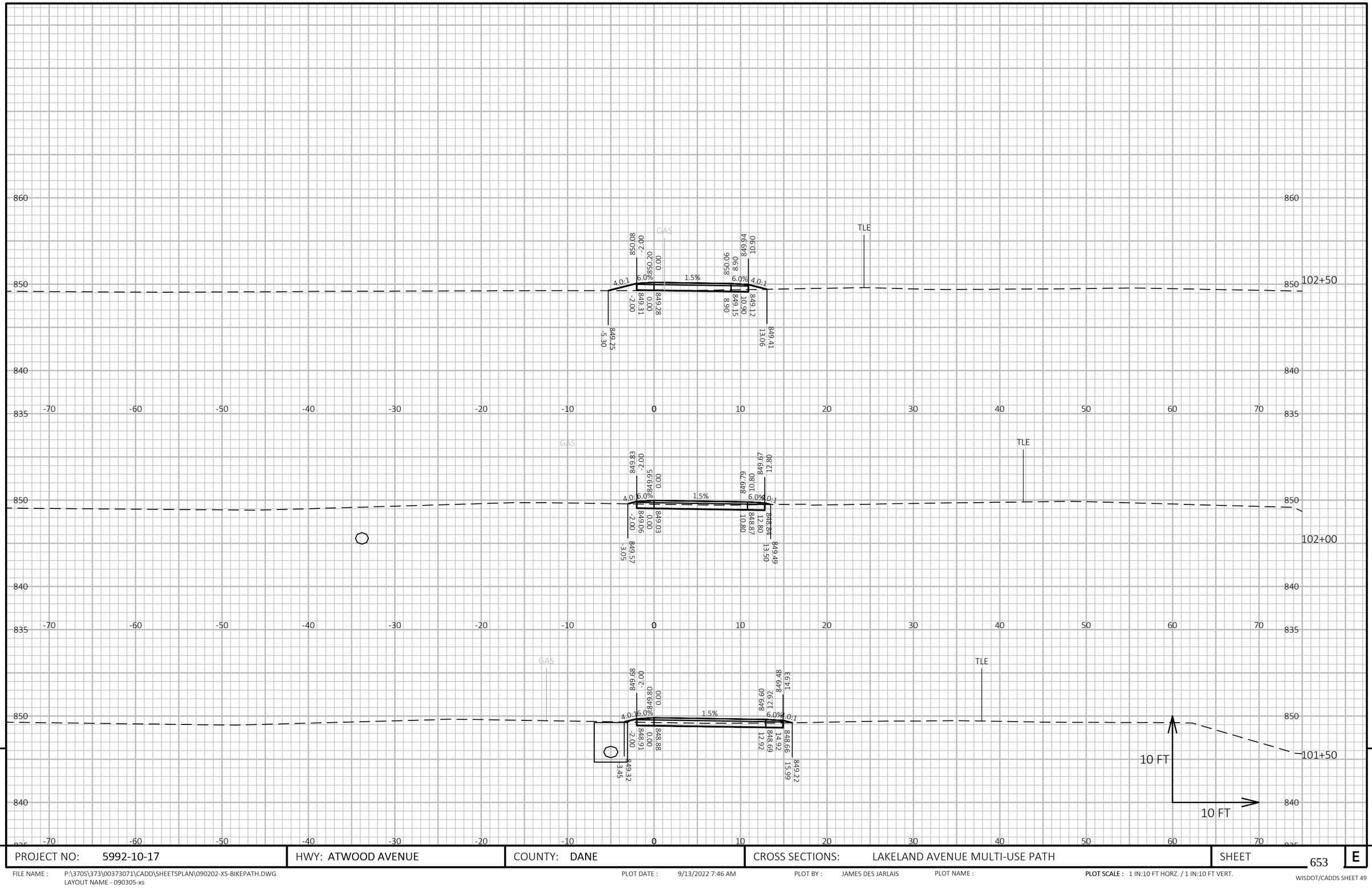
PLOT DATE : 9/13/2022 7:46 AM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: LAKELAND AVENUE MULTI-USE PATH	SHEET 653	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090202-XS-BIKEPATH.DWG
LAYOUT NAME - 090305-xs

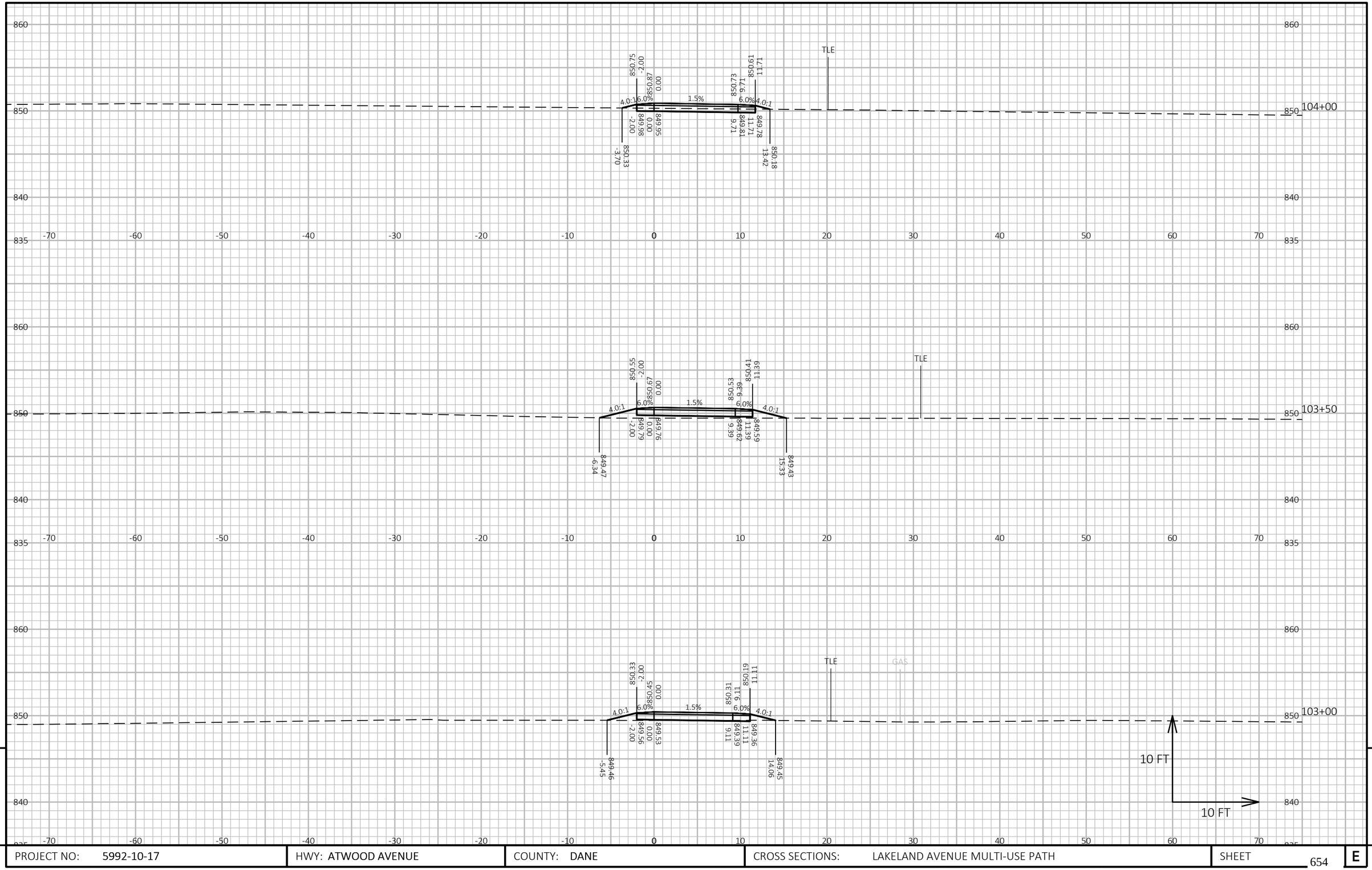
PLOT DATE : 9/13/2022 7:46 AM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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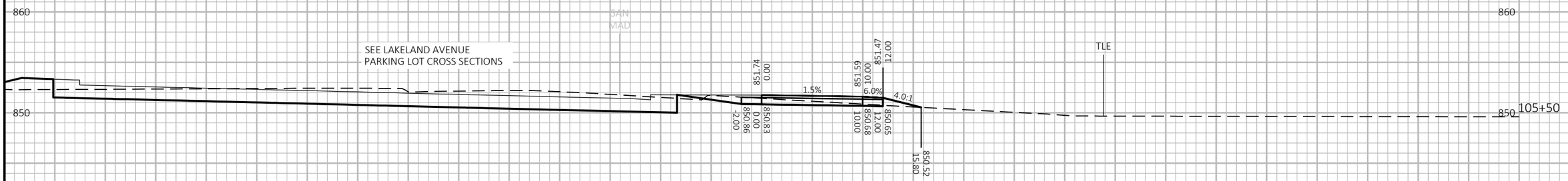
PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: LAKELAND AVENUE MULTI-USE PATH	SHEET 654	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090202-XS-BIKEPATH.DWG
LAYOUT NAME - 090306-xs

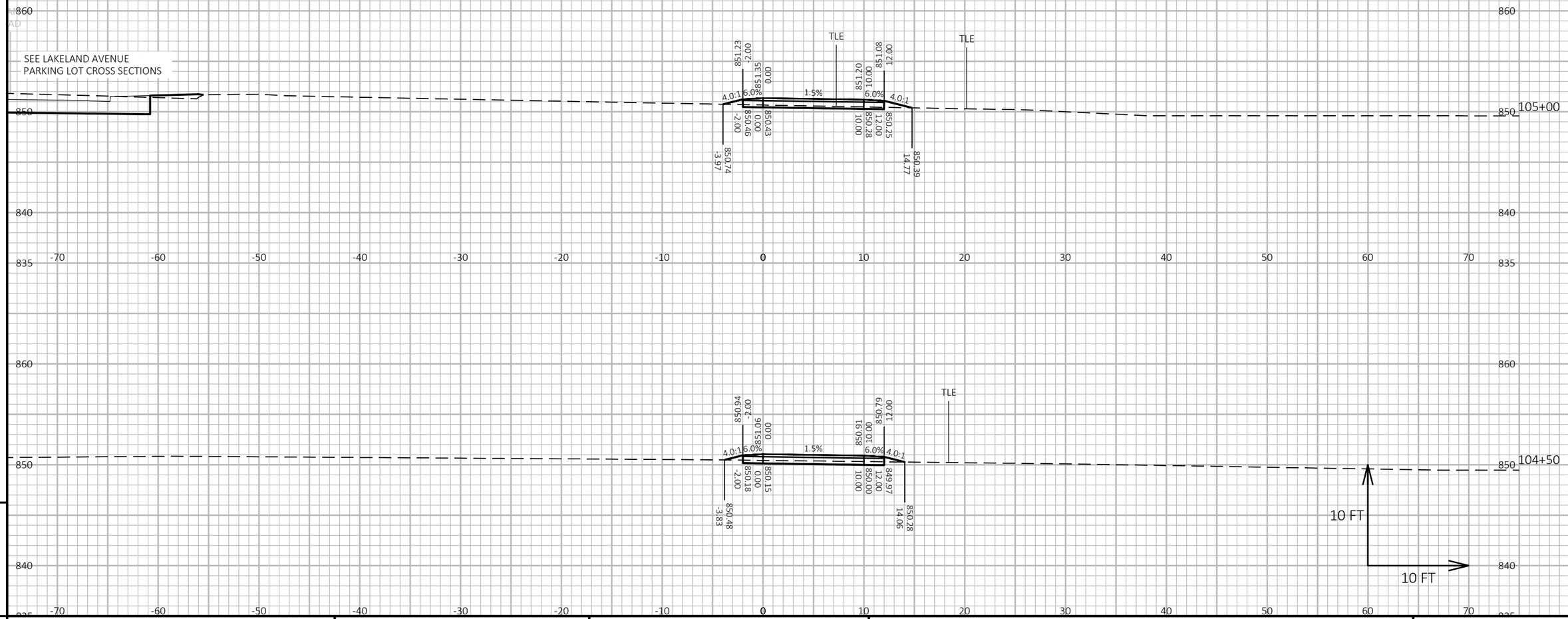
PLOT DATE : 9/13/2022 7:47 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

SEE LAKELAND AVENUE
PARKING LOT CROSS SECTIONS



SEE LAKELAND AVENUE
PARKING LOT CROSS SECTIONS



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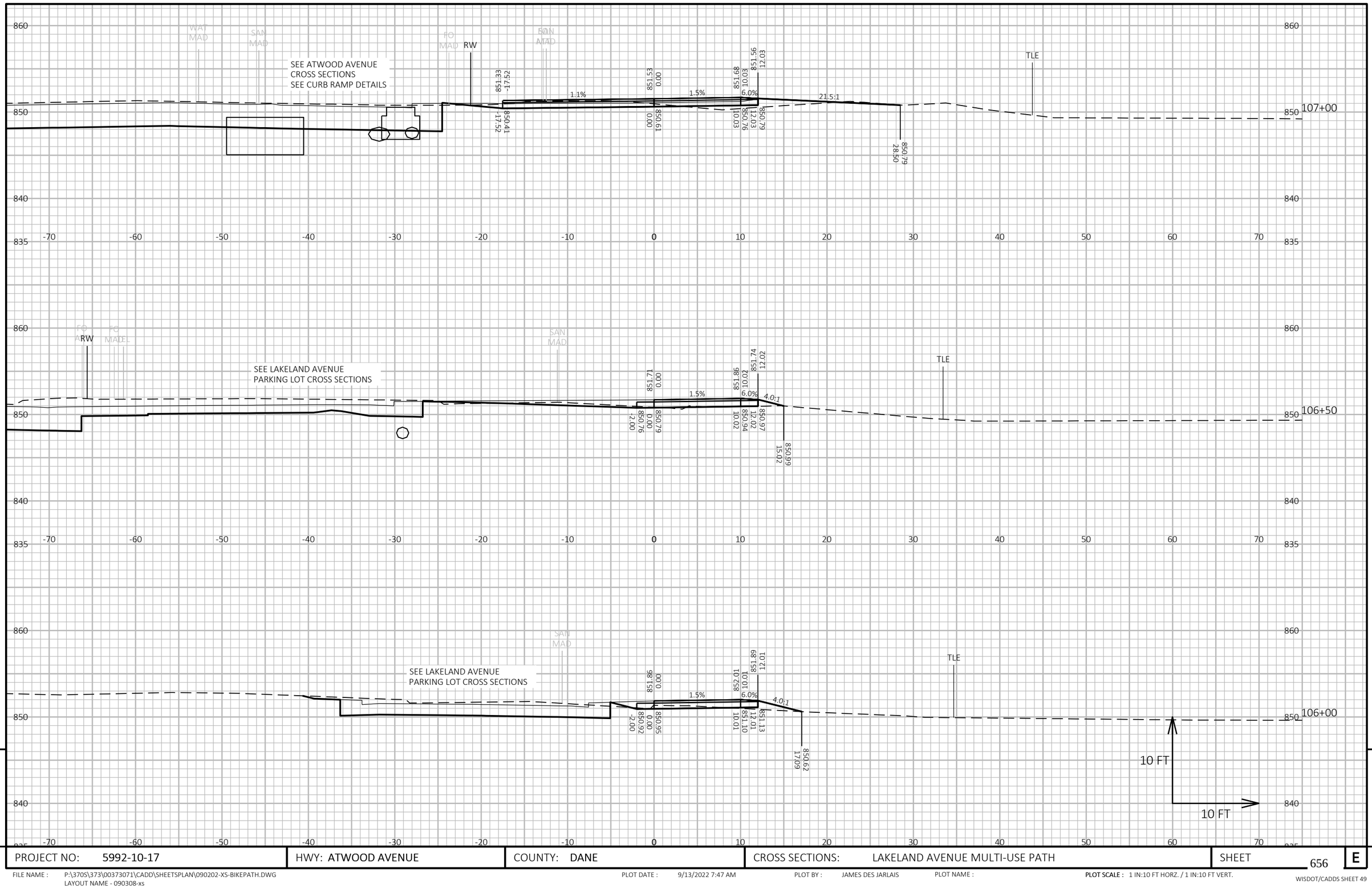
PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: LAKELAND AVENUE MULTI-USE PATH	SHEET 655	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090202-XS-BIKEPATH.DWG
LAYOUT NAME - 090307-xs

PLOT DATE : 9/13/2022 7:47 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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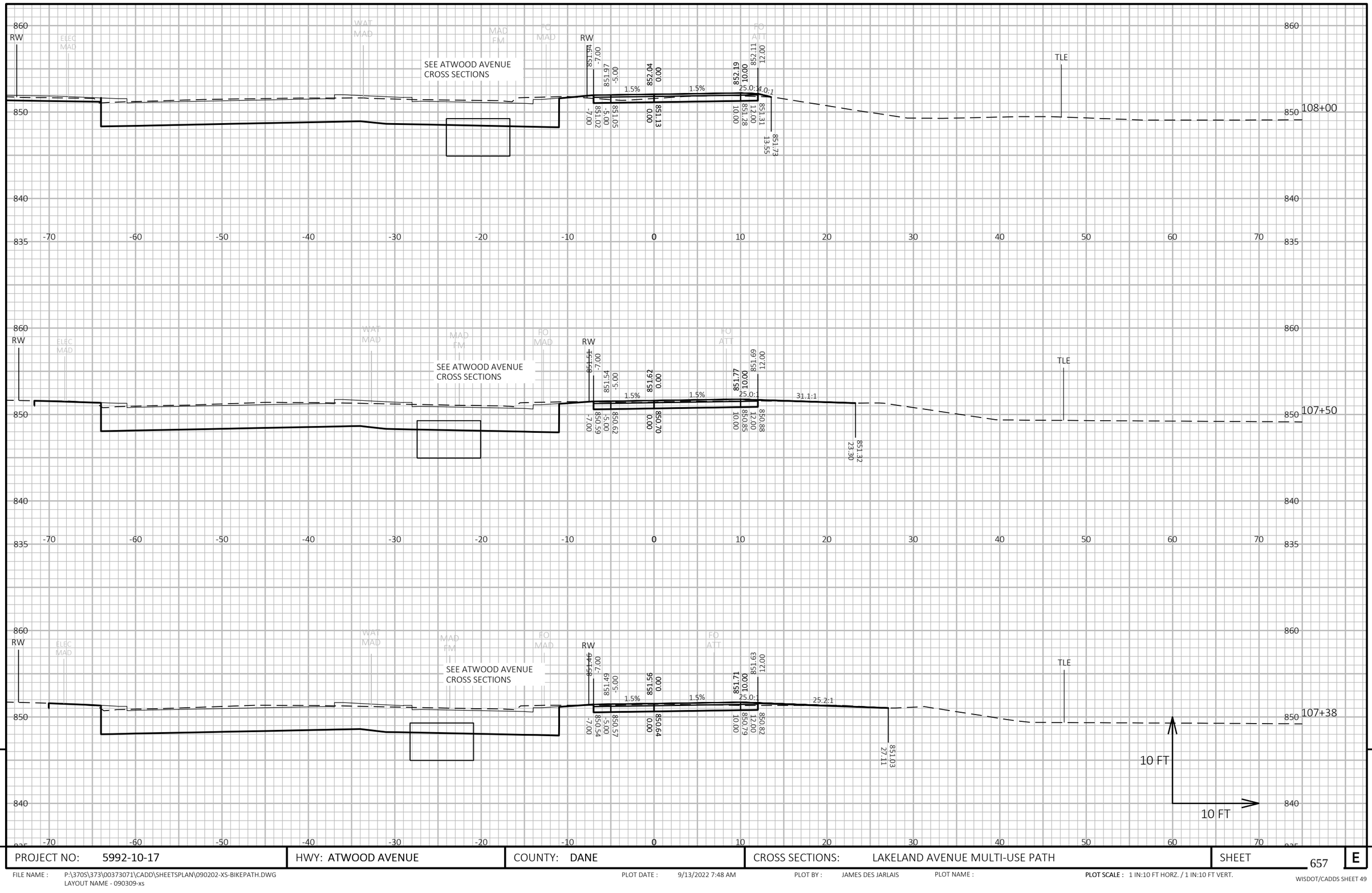
PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: LAKELAND AVENUE MULTI-USE PATH	SHEET 656	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090202-XS-BIKEPATH.DWG
LAYOUT NAME - 090308-xs

PLOT DATE : 9/13/2022 7:47 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: LAKELAND AVENUE MULTI-USE PATH	SHEET 657	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090202-XS-BIKEPATH.DWG
LAYOUT NAME - 090309-xs

PLOT DATE : 9/13/2022 7:48 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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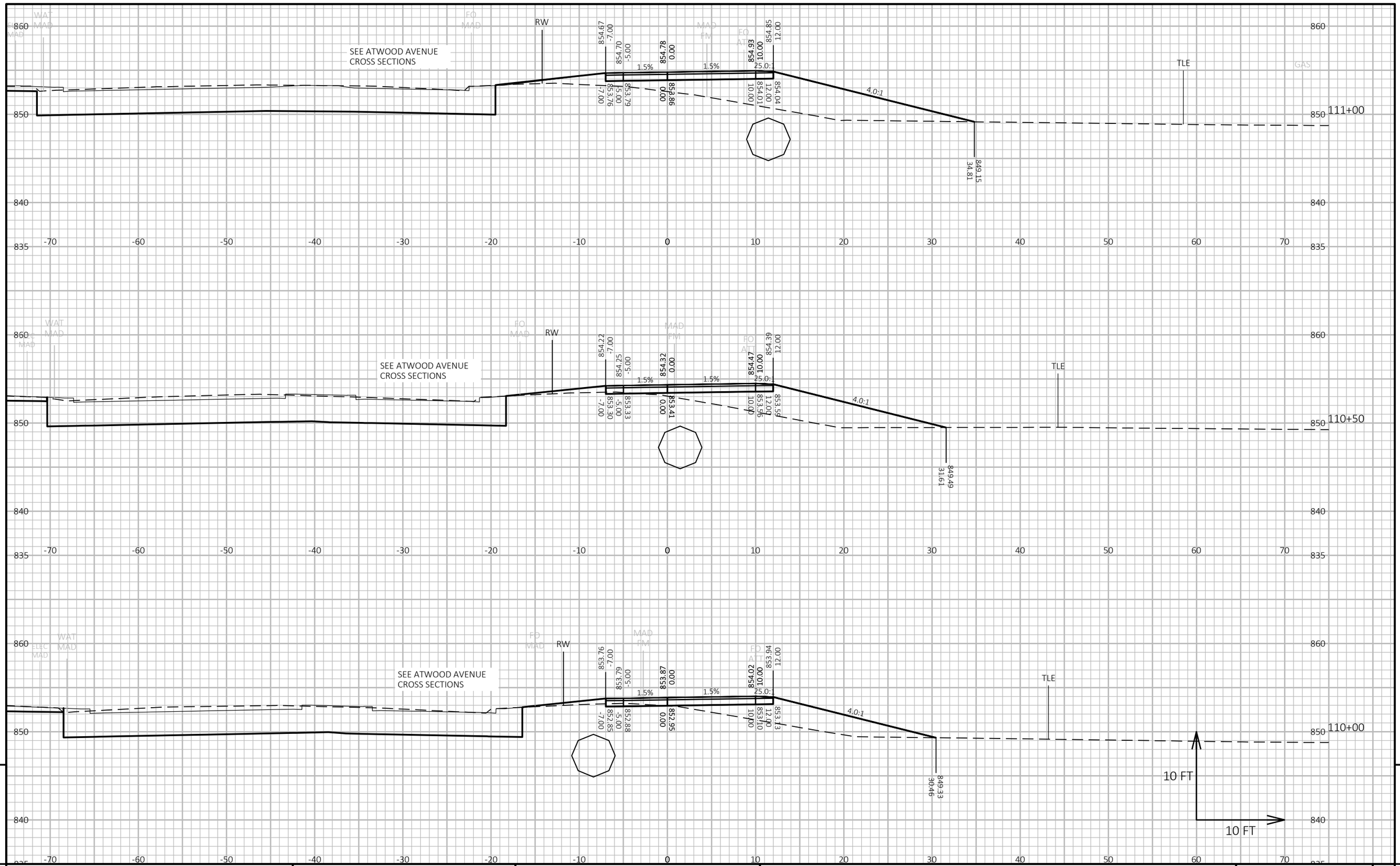
PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: LAKELAND AVENUE MULTI-USE PATH	SHEET 658	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090202-XS-BIKEPATH.DWG
LAYOUT NAME - 090310-xs

PLOT DATE : 9/13/2022 7:48 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

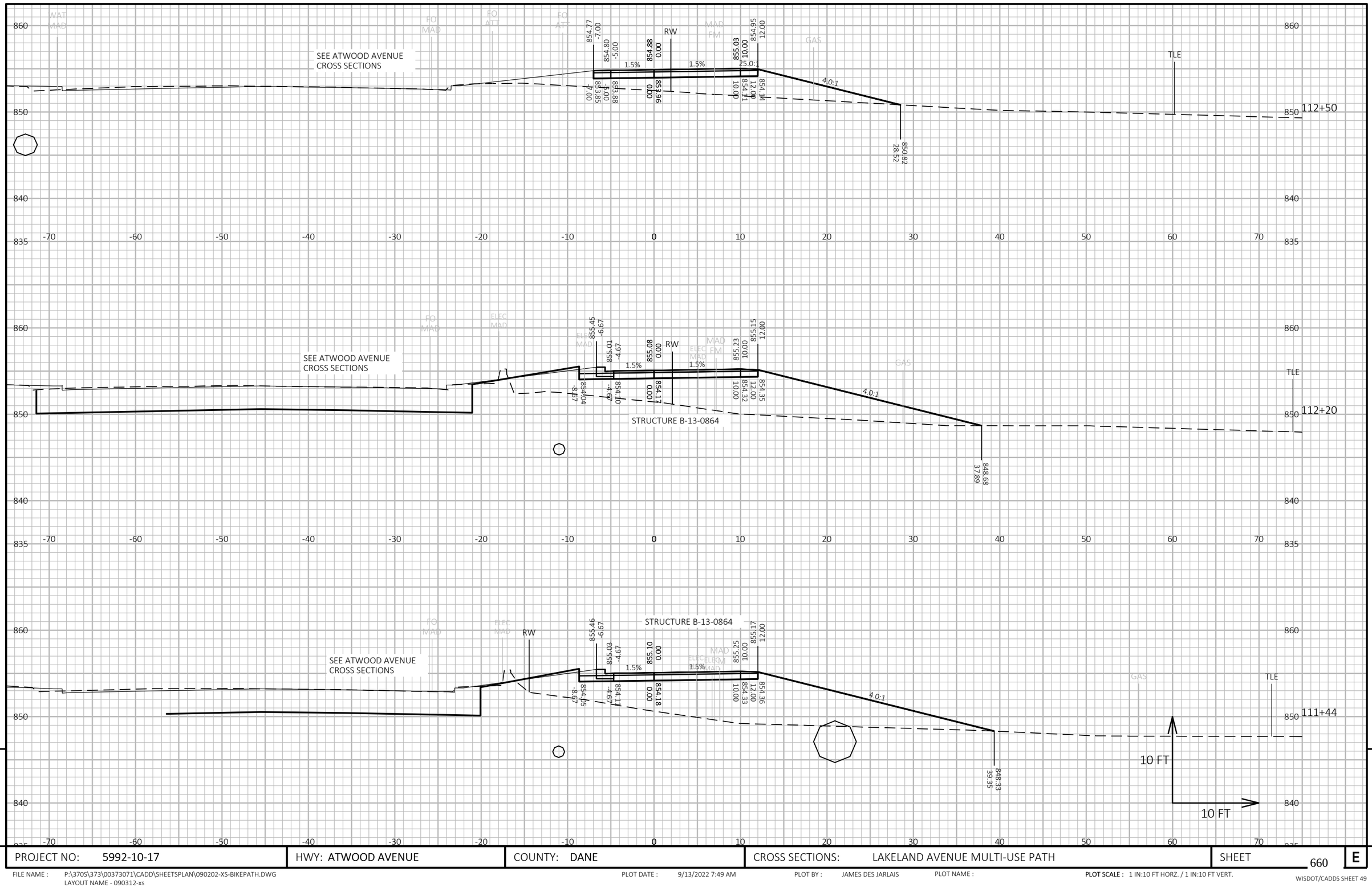


PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: LAKELAND AVENUE MULTI-USE PATH	SHEET 659	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090202-XS-BIKEPATH.DWG
LAYOUT NAME - 090311-xs

PLOT DATE : 9/13/2022 7:48 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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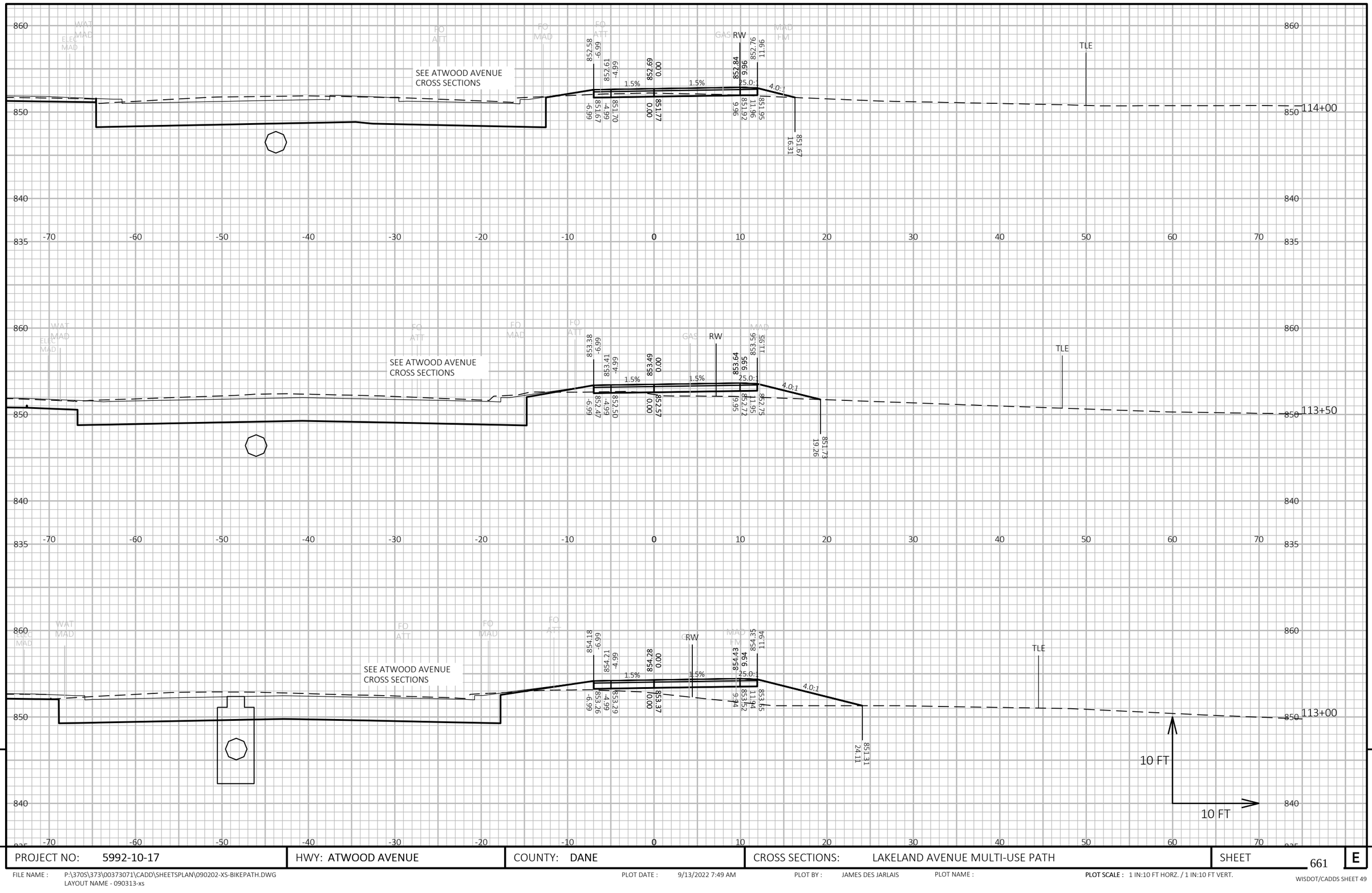
PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: LAKELAND AVENUE MULTI-USE PATH	SHEET 660	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090202-XS-BIKEPATH.DWG
LAYOUT NAME - 090312-xs

PLOT DATE : 9/13/2022 7:49 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

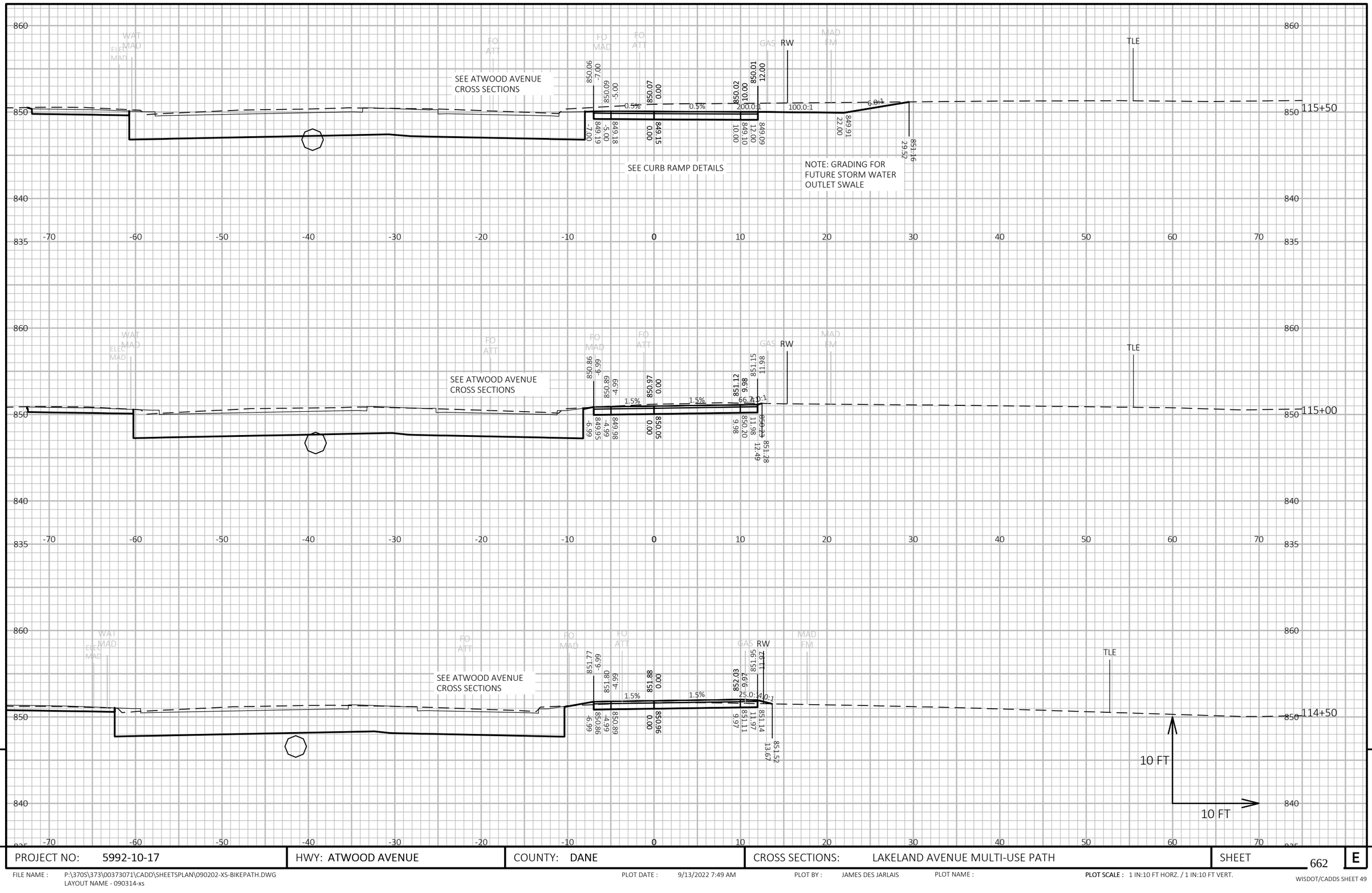


PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: LAKELAND AVENUE MULTI-USE PATH	SHEET 661 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090202-XS-BIKEPATH.DWG
LAYOUT NAME - 090313-xs

PLOT DATE : 9/13/2022 7:49 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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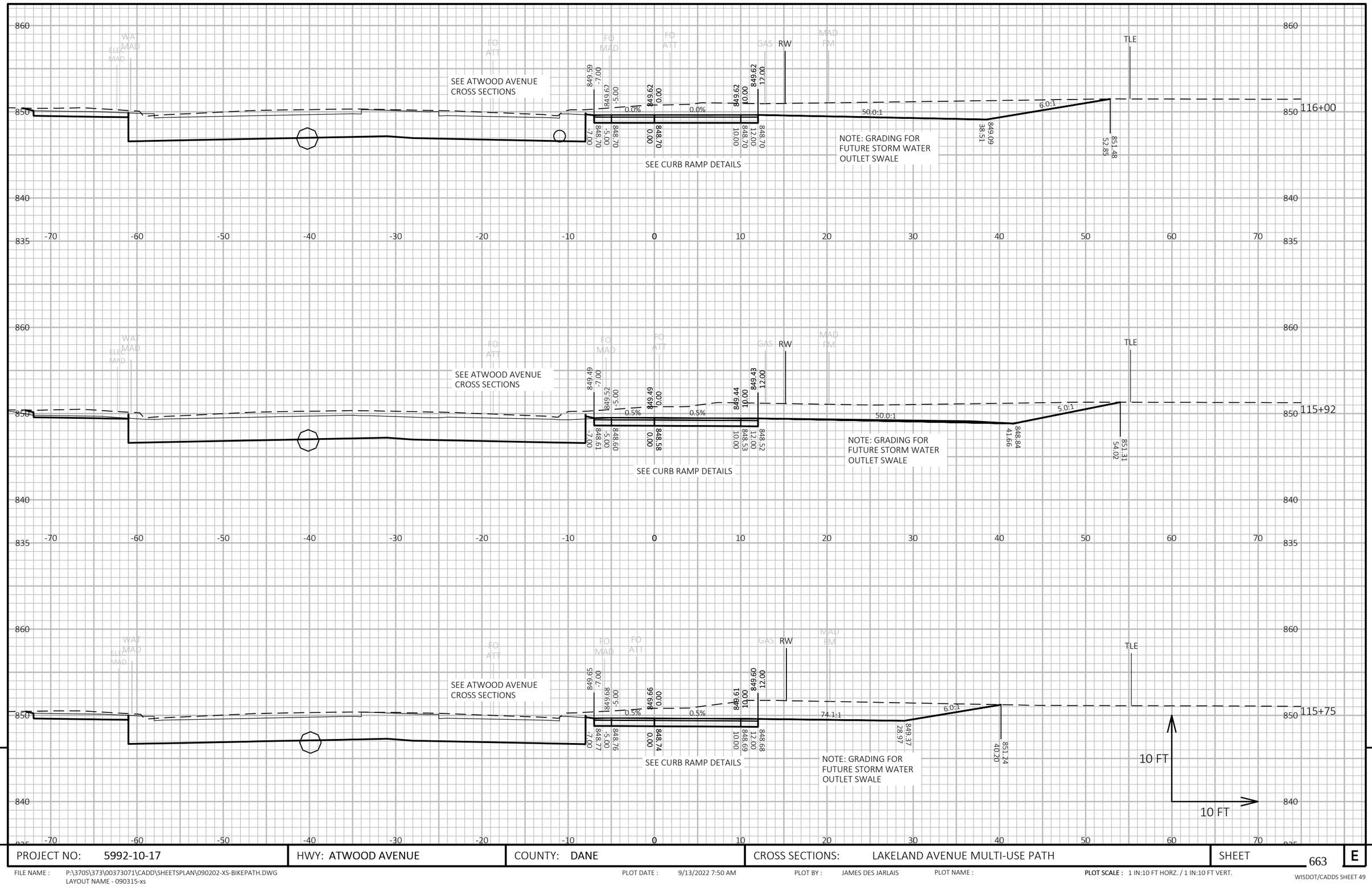
PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: LAKELAND AVENUE MULTI-USE PATH	SHEET 662	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090202-XS-BIKEPATH.DWG
LAYOUT NAME - 090314-xs

PLOT DATE : 9/13/2022 7:49 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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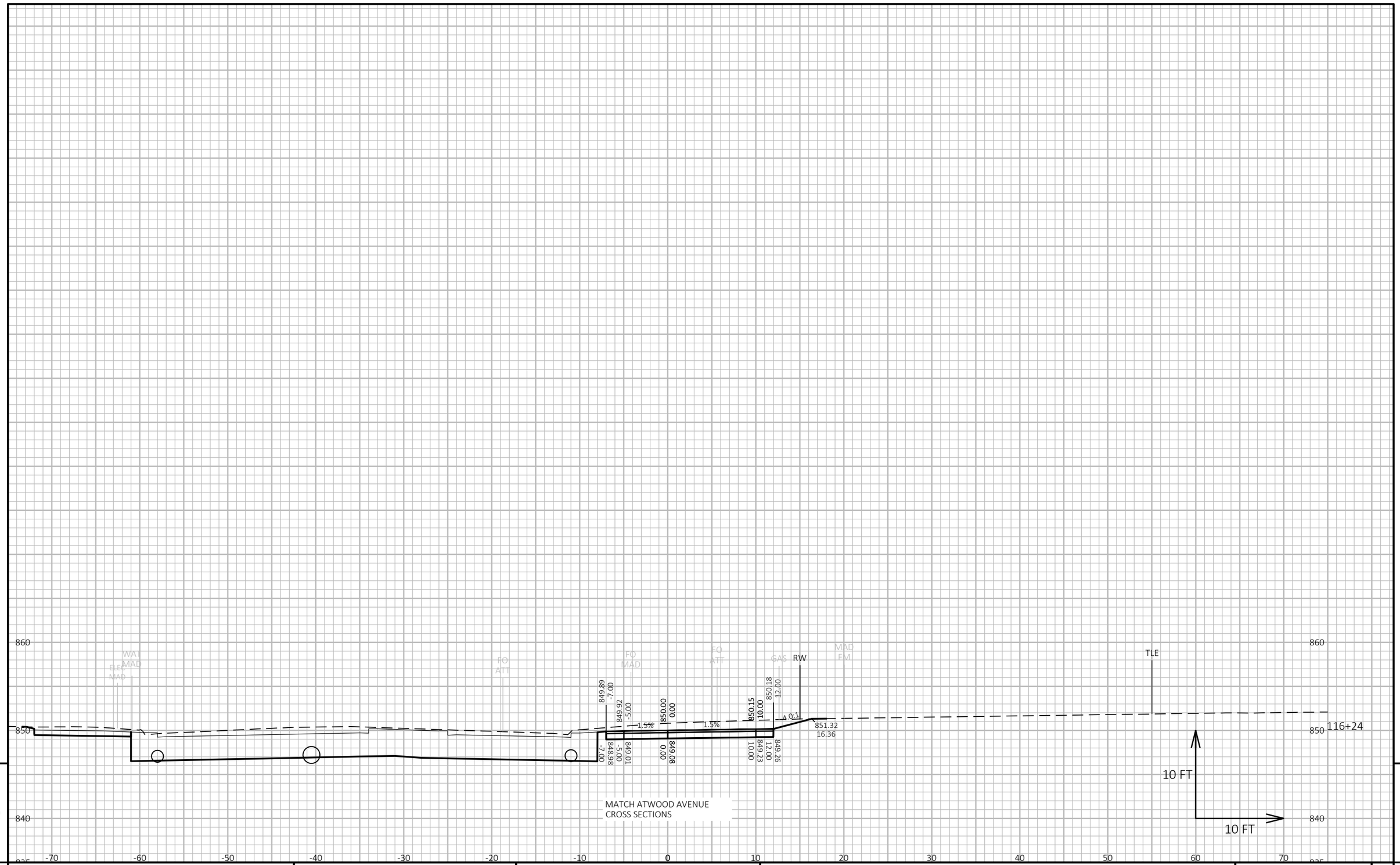
PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: LAKELAND AVENUE MULTI-USE PATH	SHEET 663	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090202-XS-BIKEPATH.DWG
LAYOUT NAME - 090315-xs

PLOT DATE : 9/13/2022 7:50 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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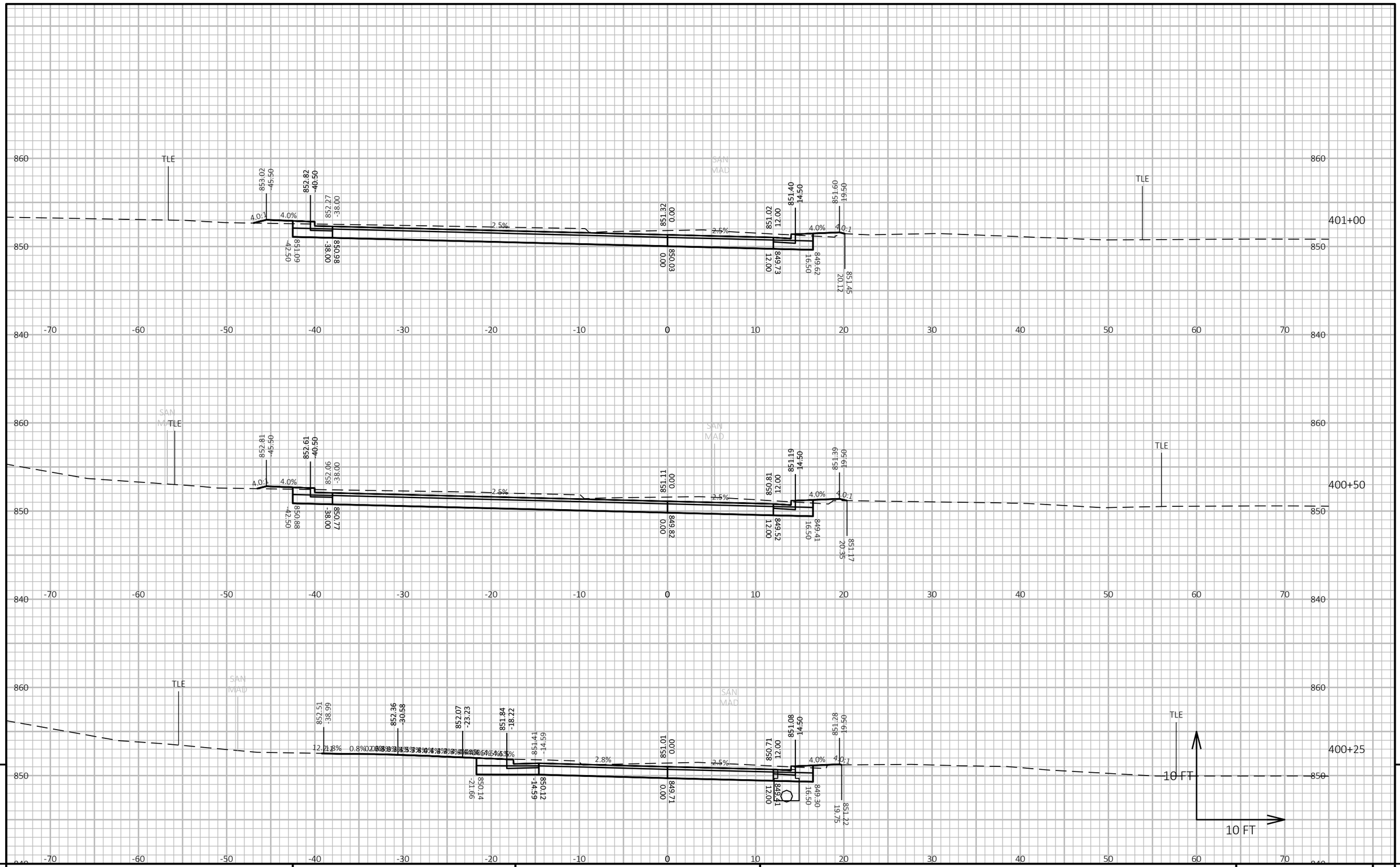
PROJECT NO: 5992-10-17	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: LAKELAND AVENUE MULTI-USE PATH	SHEET 664	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090202-XS-BIKEPATH.DWG
LAYOUT NAME - 090316-xs

PLOT DATE : 9/13/2022 7:50 AM PLOT BY : JAMES DES JARLAIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: LAKELAND AVENUE PARKING LOT	SHEET 665	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090261-xs

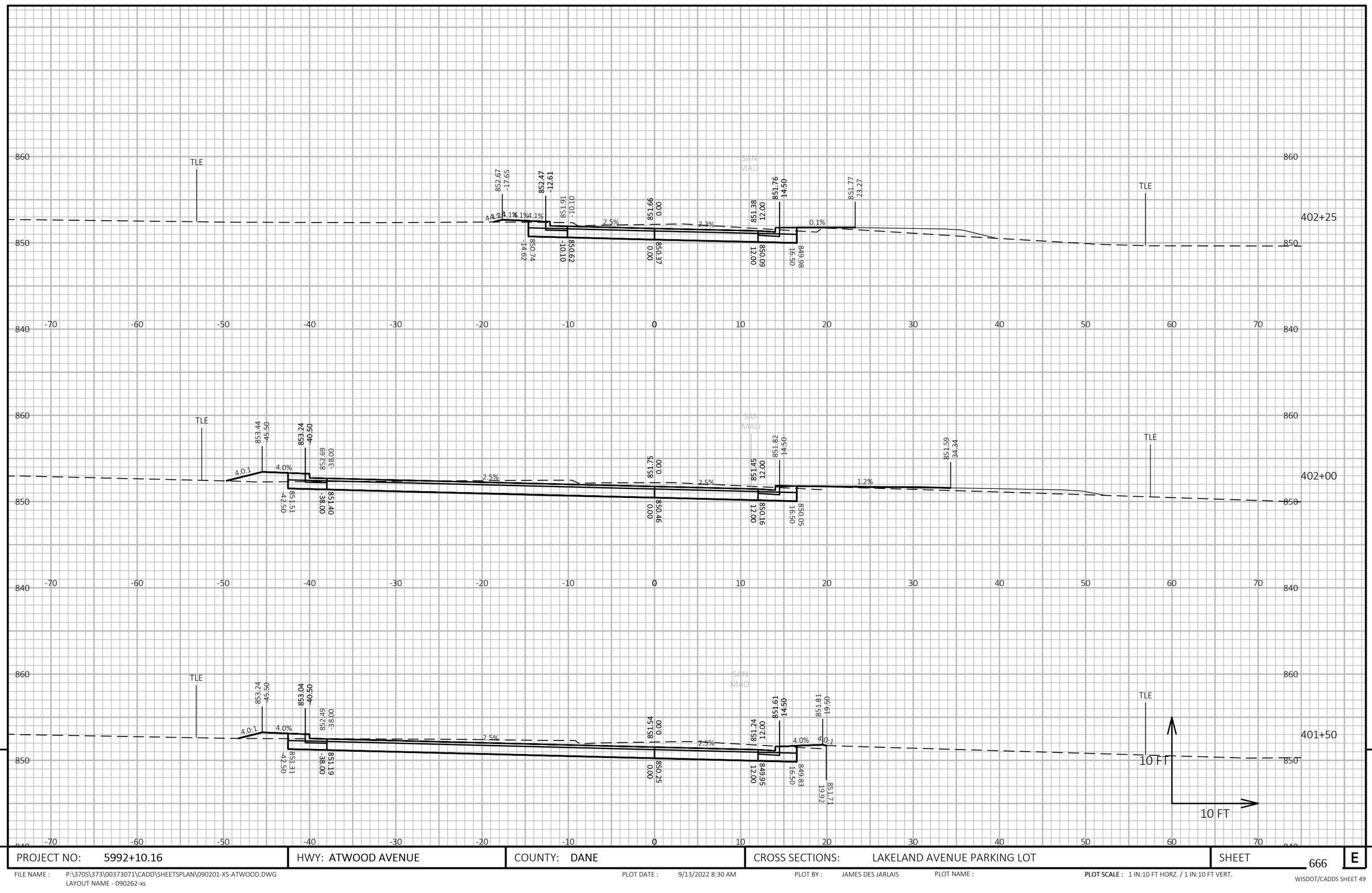
PLOT DATE : 9/13/2022 8:30 AM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: LAKELAND AVENUE PARKING LOT	SHEET 666 E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090262-xs

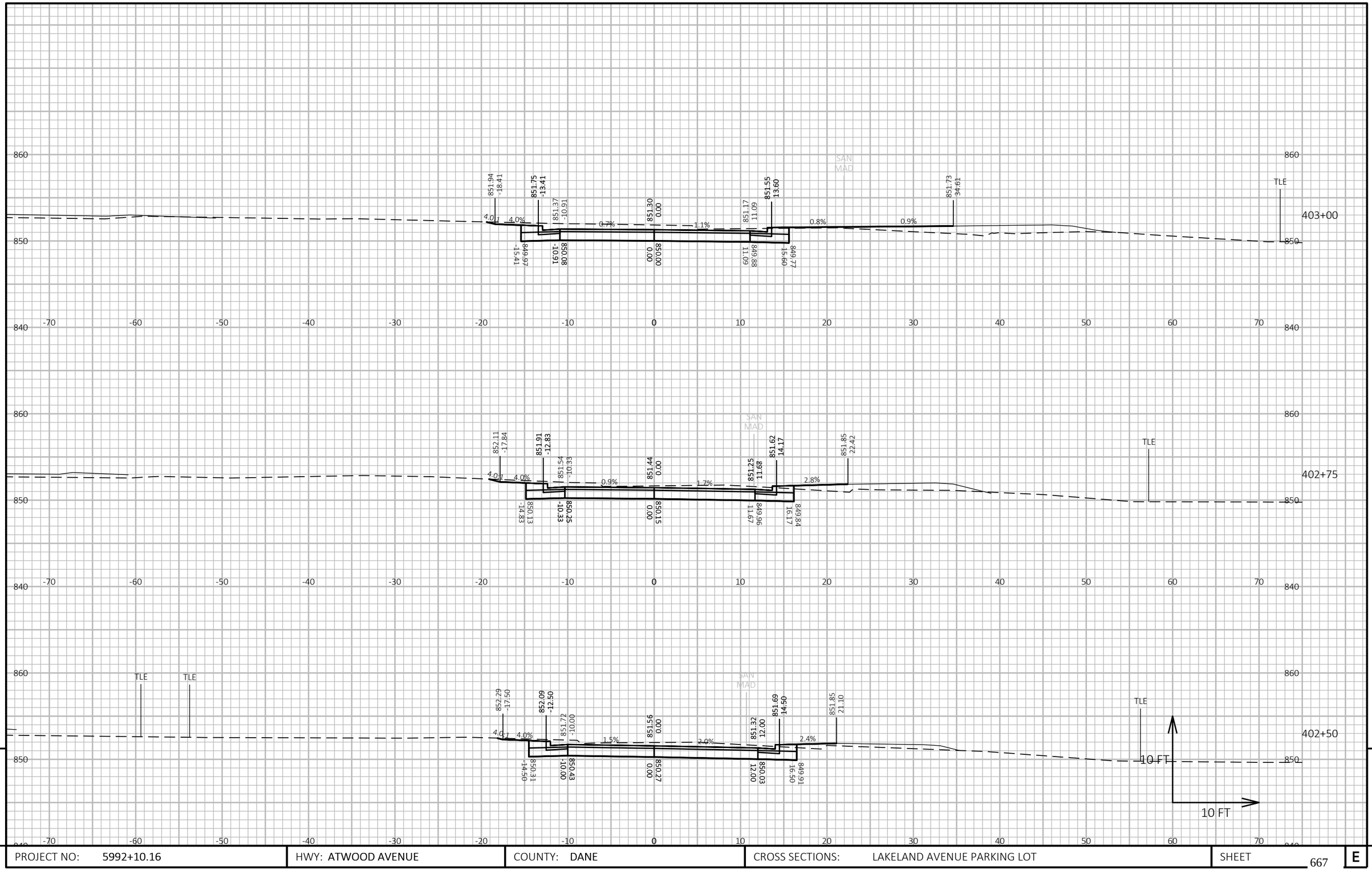
PLOT DATE : 9/13/2022 8:30 AM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: LAKELAND AVENUE PARKING LOT	SHEET 667	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090263-xs

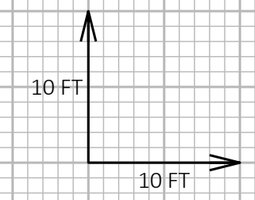
PLOT DATE : 9/13/2022 8:31 AM

PLOT BY : JAMES DES JARLAIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992+10.16	HWY: ATWOOD AVENUE	COUNTY: DANE	CROSS SECTIONS: LAKELAND AVENUE PARKING LOT	SHEET 668	E

FILE NAME : P:\370S\373\00373071\CADD\SHEETSPLAN\090201-XS-ATWOOD.DWG
LAYOUT NAME - 090264-xs

PLOT DATE : 9/13/2022 8:31 AM PLOT BY : JAMES DES JARLAIS PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

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