MAD

AUGUST 2023

PROJECT ID: 5954-00-01

WITH: NA

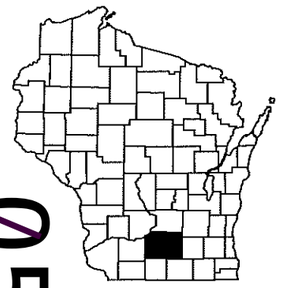
COUNTY: DANE

05

ORDER OF SHEETS

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

TOTAL SHEETS = 930



N

DESIGN DESIGNATION

			ONCKEN RD - CTH K	CTH K - BLUE BILL PARK DR
A.A.D.T.	(2024)	=	11,560	21,150
A.A.D.T.	(2044)	=	15,400	28,650
D.H.V.		=	1,271	2,326
D.D.		=	59/41	59/41
T.		=	7.5%	7.5%
DESIGN SPEED		=	45 MPH	45 MPH
ESALS		=	2,400,000	4,100,000

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'EB')
- 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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

CTH Q - STH 113 (CTH M)

(ONCKEN ROAD TO STH 113)

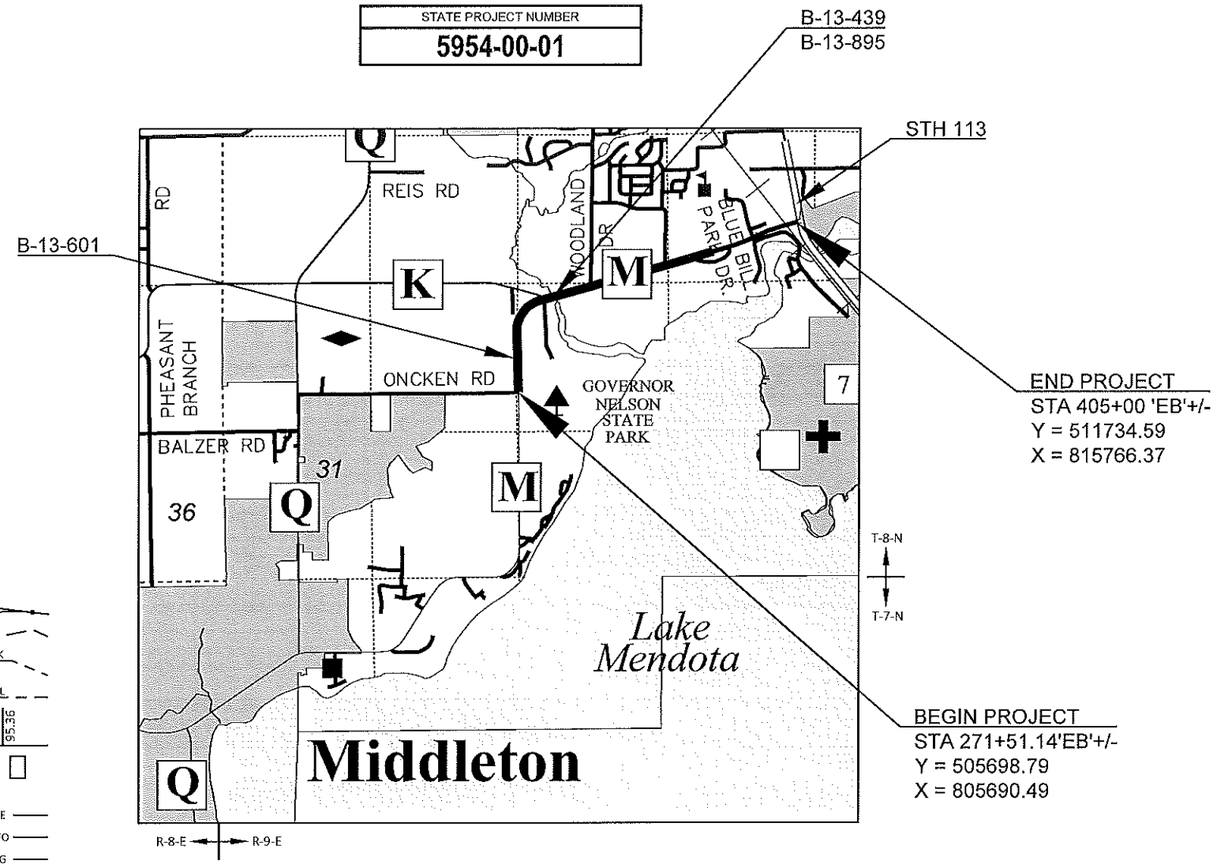
CTH M

DANE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5954-00-01	WISC 2023589	1

STATE PROJECT NUMBER

5954-00-01



LAYOUT

SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 2.528 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

ACCEPTED FOR

DANE COUNTY HIGHWAY DEPARTMENT

Date 4/14/23 Pamela J. Dunphy (Signature and Title of Official)

ORIGINAL PLANS PREPARED BY

KL Engineering

WISCONSIN BRADLEY J. CUNNINGHAM PE 37935-006 MT. HOREB, WI PROFESSIONAL ENGINEER

4/11/23 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor KL ENGINEERING

Designer KL ENGINEERING

APPROVED FOR THE DEPARTMENT

DATE: 04/12/2023 (Signature)

E

2

GENERAL NOTES

ALL RADII DIMENSIONS ARE MEASURED TO THE FLANGE OF CURB UNLESS OTHERWISE NOTED.

ALL GRADES PROVIDED ALONG RADII ARE ALONG EDGE OF PAVEMENT.

EXPANSION JOINTS TO BE CONSTRUCTED AT ALL RADII POINTS IN THE CURB AND GUTTER OR AT LOCATIONS SHOWN ON THE PLANS.

THE LOCATION OF EXISTING AND PROPOSED UTILITIES INSTALLATIONS AS SHOWN IN THE PLANS, ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

UTILITY REFERENCE LINES ON THE CROSS SECTIONS ARE FOR APPROXIMATE HORIZONTAL REFERENCE ONLY.

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER MAY MODIFY LOCATIONS AS NEEDED. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

NO TREES AND/OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER. TREES WITHIN THE TLE ARE TO REMAIN UNLESS OTHERWISE NOTED IN THE PLAN.

CONTRACTOR IS RESPONSIBLE FOR RESHAPING AND FINISHING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY THEIR OPERATION OUTSIDE THE NORMAL CONSTRUCTION LIMITS.

TEMPORARY STORAGE OF ANY EXCAVATION EQUIPMENT OR MATERIALS WILL NOT BE PERMITTED IN WETLANDS, FLOODPLAIN OF ANY WETLANDS.

ENVIRONMENTALLY SENSITIVE AREAS ARE PRESENT AT THE LOCATIONS SHOWN ON THE PLANS. DO NOT OPERATE MACHINERY OUTSIDE OF THE SLOPE INTERCEPTS IN THESE LOCATIONS.

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

HMA PAVEMENT, WHEN INDICATED ON THE PLANS, SHALL CONSIST OF COURSES AS FOLLOWS UNLESS OTHERWISE NOTED ON THE PLANS.

HMA PAVEMENT

CTH M (ONCKEN RD TO WILLOW ROAD (EAST) --- 7-INCHES TOTAL DEPTH	TYPE
UPPER: 2.5-INCHES	4 MT 58-28 H
LOWER: 2.25-INCHES	3MT 58-28 S
LOWER: 2.25-INCHES	3 MT 58-28 S
CTH M (WILLOW ROAD (EAST) TO END OF PROJECT) --- 6-INCHES MILL AND OVERLAY	TYPE
UPPER: 2.5-INCHES	4 MT 58-28 H
LOWER: 3.5-INCHES	3 MT 58-28 S
CTH K --- 6.25-INCHES TOTAL DEPTH	TYPE
UPPER: 1.75-INCHES	4 MT 58-28 H
LOWER: 2.25-INCHES	3 MT 58-28 S
LOWER: 2.25-INCHES	3 MT 58-28 S
WOODLAND DRIVE --- 5.75-INCHES TOTAL DEPTH	TYPE
UPPER: 2.5-INCHES	4 MT 58-28 H
LOWER: 3.25-INCHES	3 MT 58-28 S
NORTH SHORE BAY DRIVE -- 4-INCHES TOTAL DEPTH	TYPE
LOWER: 2-INCHES	4 LT 58-28 S
LOWER: 2-INCHES	4 LT 58-28 S
OTHER MINOR SIDEROADS & CUL-DE-SACS - 4-INCHES TOTAL DEPTH	TYPE
UPPER: 2-INCHES	4 LT 58-28 S
LOWER: 2-INCHES	4 LT 58-28 S
SHARED USE PATH -- 3-INCHES TOTAL DEPTH	TYPE
UPPER: 3-INCHES	4 LT 58-28 S

UTILITY CONTACTS

COMMUNICATIONS

TDS TELECOM (AMERITECH)
JERRY MYERS
525 JUNCTION ROAD
MADISON, WI 53717
(608) 664-4404
Jerry.myers@tdstelecom.com

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Brad.Wagner@charter.com

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MV5616@att.com

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erich@madsewer.org

ELECTRIC

MADISON GAS & ELECTRIC
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GAS

MADISON GAS & ELECTRIC
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MADISON, WI 53703
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DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

OTHER CONTACTS

SIGNALS

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MADISON, WI 53703
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cveinot@cityofmadison.com

WISCONSIN DEPARTMENT OF TRANSPORTATION
COLLIN WEBB
WISDOT SOUTHWEST REGION
3550 MORMON COULEE ROAD
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Collin.Webb@dot.wi.gov

USGS

TODD STUNTEBECK
1 GIFFORD PINCHOT DR
MADISON, WI 53726
(608) 235-9505
tdstunte@usgs.gov

RAILROAD

WISCONSIN & SOUTHERN RAILROAD COMPANY (WSOR)
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MADISON, WI 53704
(608) 620-2045
tmulrooney@watco.com

ORDER OF DETAIL SHEETS

PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
EROSION ITS CONTROL
STORM SEWER
PERMANENT SIGNING
TRAFFIC SIGNAL & LIGHTING
TEMPORARY TRAFFIC SIGNAL
PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT HAZ MAT DETAILS
CONTROL POINT

WISDOT

ZACHARY PEARSON, P.E.
2101 WRIGHT ST
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(608) 246-5319
zachary.pearson@dot.wi.gov

DESIGNER

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(608) 663-1218
bcunningham@klengineering.com

DNR LIASON

ERIC HEGGELUND
DEPARTMENT OF NATURAL RESOURCES
DNR SOUTH CENTRAL REGION HEADQUARTERS
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(608) 275-3301
eric.heggelund@wisconsin.gov

DANE COUNTY HIGHWAY

PAM DUNPHY, P.E.
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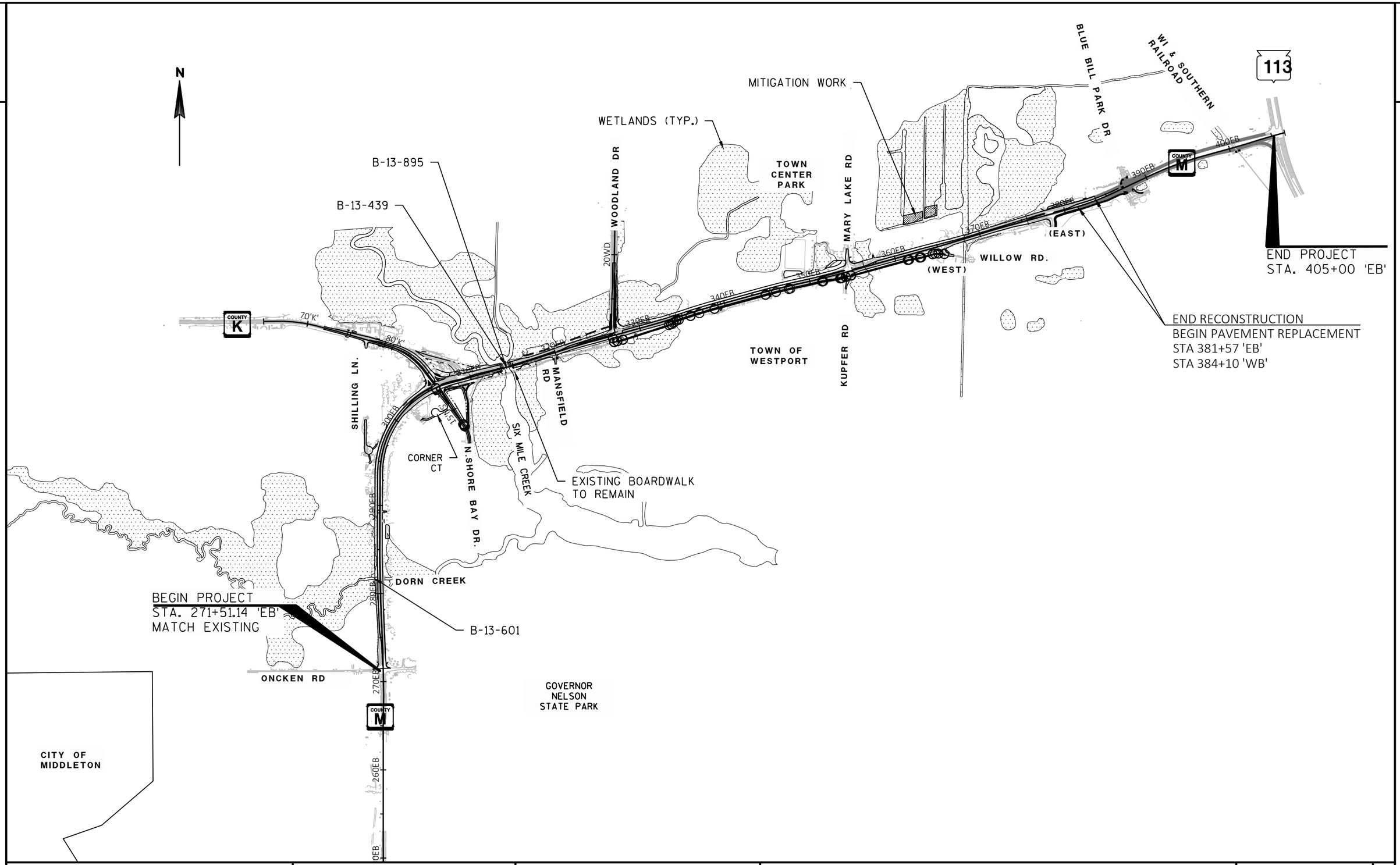
dunphy@countyofdane.com

ABBREVIATIONS

BAD	BASE AGGREGATE DENSE
BM	BENCH MARK
BLDG.	BUILDING
CTR	CENTER
C/L	CENTERLINE
C.E.	COMMERCIAL ENTRANCE
CONC.	CONCRETE
CSW	CONCRETE SIDEWALK
CMCP	CORRUGATED METAL CULVERT PIPE
CP	CULVERT PIPE
CPCS	CULVERT PIPE CORRUGATED STEEL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CPT	CONSTRUCTION PERMIT
EB	EASTBOUND
ELEC	ELECTRIC
IE	INVERT ELEVATION
EX.	EXISTING
FO	FIBER OPTIC
F.E.	FIELD ENTRANCE
GAS	GAS
HMA	HOT MIX ASPHALT
HSE.	HOUSE
LHF	LEFT HAND FORWARD
MH	MANHOLE
MAX.	MAXIMUM
MIN.	MINIMUM
NOR.	NORMAL
NTS	NOT TO SCALE
PLE	PERMANENT LIMITED EASEMENT
P.E.	PRIVATE ENTRANCE
P.L.	PROPERTY LINE
PROP.	PROPOSED
PRW	PROPOSED RIGHT-OF-WAY
RAD	RADIUS
R/L	REFERENCE LINE
RCCP	REINFORCED CONCRETE CULVERT PIPE
REQ'D.	REQUIRED
RHF	RIGHT HAND FORWARD
RW	RIGHT-OF-WAY LINE
SAN	SANITARY SEWER
SHLD	SHOULDER
SW	SIDEWALK
SF	SQUARE FEET
SY	SQUARE YARD
S.D.D.	STANDARD DETAIL DRAWING
STA	STATION
SS	STORM SEWER
TEL	TELEPHONE
TLE	TEMPORARY LIMITED EASEMENT
TYP	TYPICAL
WAT	WATER
WB	WESTBOUND

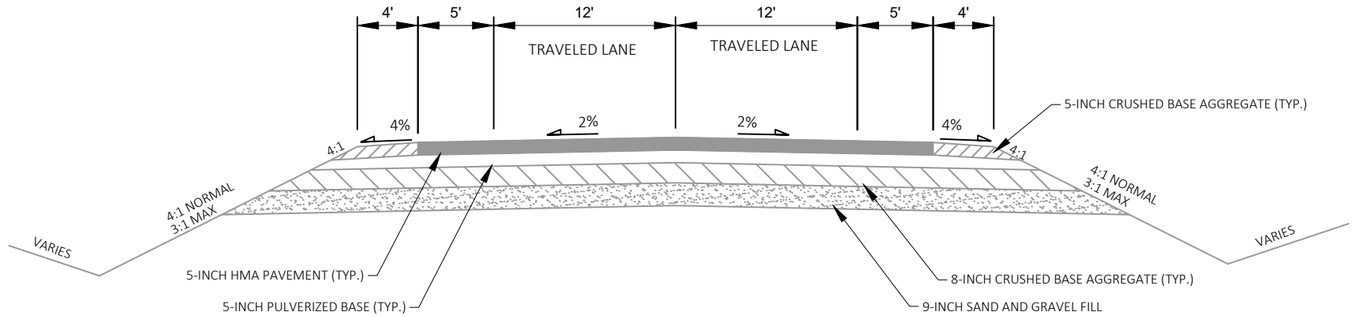
2

2



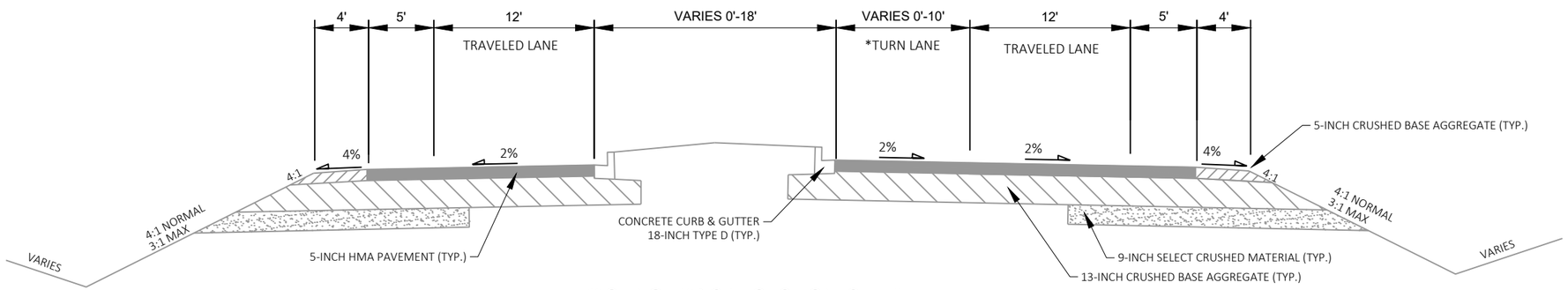
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PROJECT OVERVIEW	SHEET 3	E

2



EXISTING TYPICAL SECTION, CTH M

ONCKEN ROAD TO WILLOW ROAD
STA 271+51.14 'EB' TO 369+08 'EB'

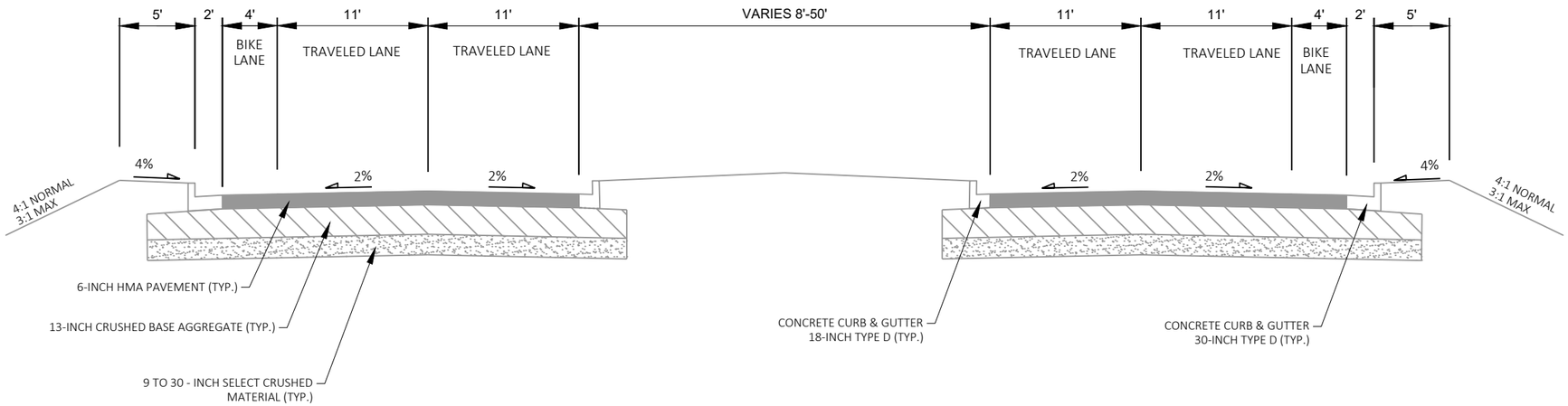


EXISTING TYPICAL SECTION, CTH M

RECONSTRUCTION SECTION
ONCKEN ROAD INTERSECTION
STA 271+51 'EB' TO 279+35 'EB'
CTH K INTERSECTION
STA 298+56 'EB' TO 313+75 'EB'
WOODLAND DRIVE INTERSECTION
STA 318+80 'EB' TO 332+60 'EB'
MARY LAKE ROAD INTERSECTION
STA 347+37 'EB' TO 360+32 'EB'

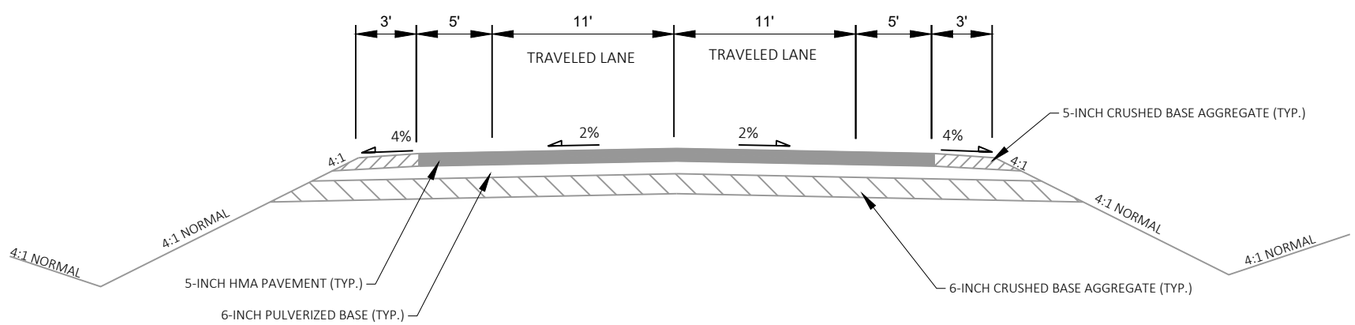
* TURN LANE MAY BE IN WB DIRECTION

2



EXISTING TYPICAL SECTION, CTH M

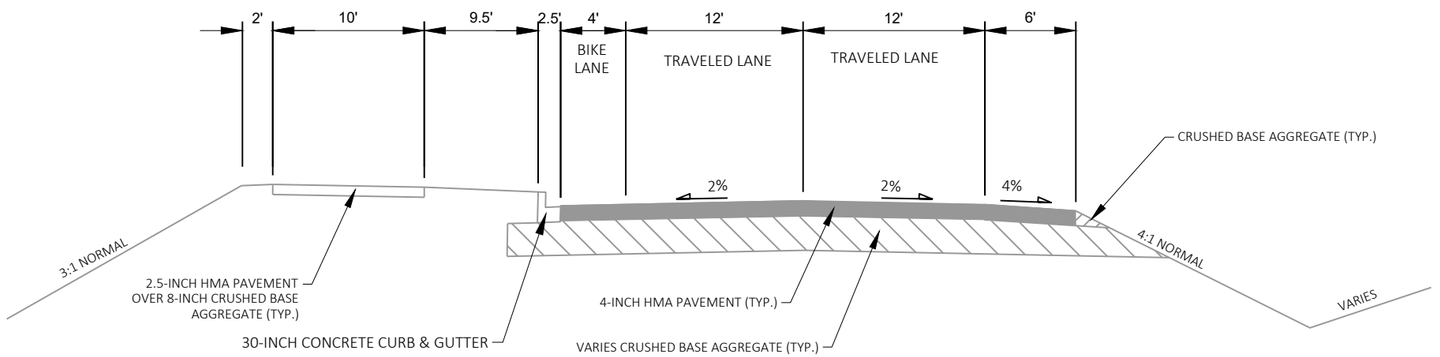
WILLOW ROAD TO STH 113
STA 369+08 'EB' TO 405+00 'EB'



EXISTING TYPICAL SECTION, CTH K

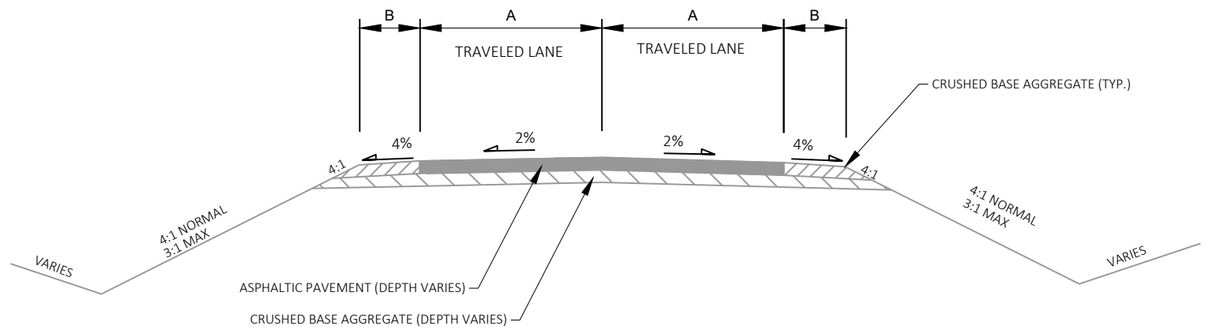
STA 71+85 'K' TO 86+27.13 'K'

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EXISTING TYPICAL SECTIONS	SHEET 5	E



EXISTING TYPICAL SECTION, WOODLAND DRIVE

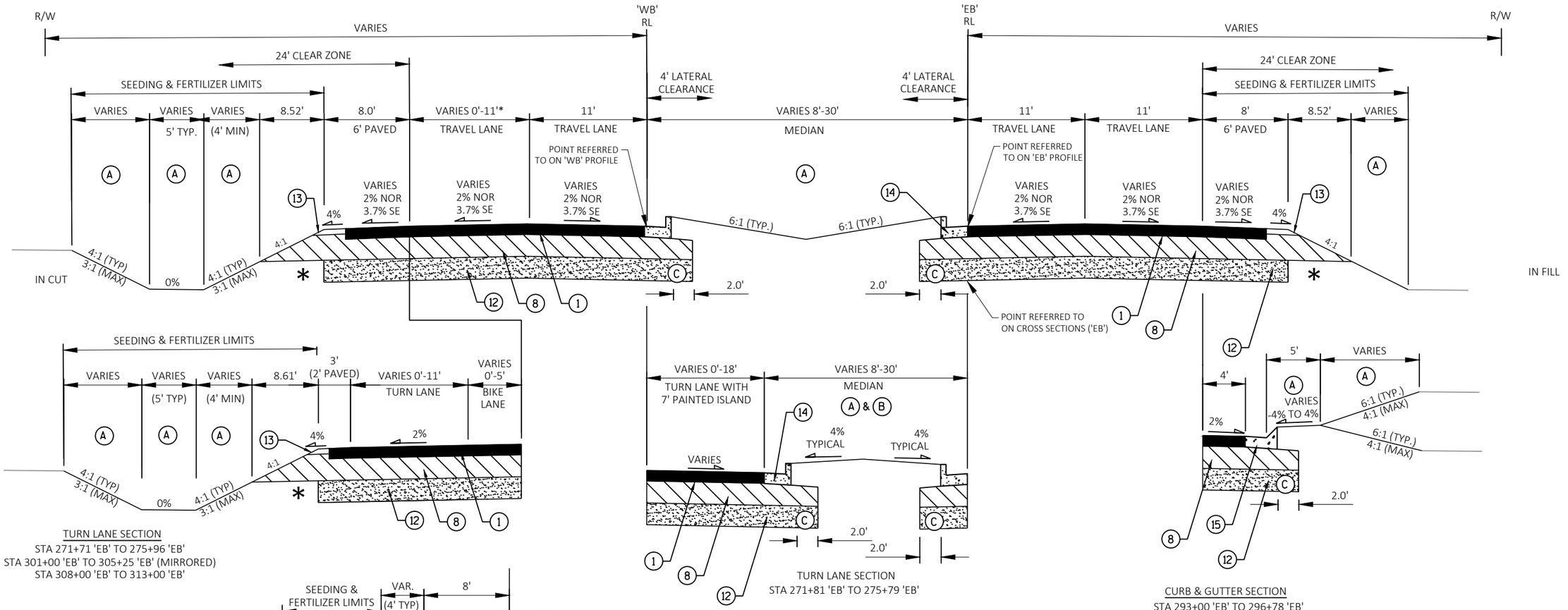
STA 11+41 'WD' TO 19+10 'WD'



SIDEROAD	"A"	"B"
MANSFIELD ROAD	10'	2'
KUPFER ROAD	10'	1'
MARY LAKE ROAD	12'	1'
WILLOW ROAD (WEST)	12'	1'
WILLOW ROAD (EAST)	12'	1'
SHILLING LANE	10'	1'

EXISTING TYPICAL SECTION, SIDEROADS

MANSFIELD ROAD
KUPFER ROAD
MARY LAKE ROAD
WILLOW ROAD (WEST)
WILLOW ROAD (EAST)
SHILLING LANE



PROPOSED TYPICAL SECTION, CTH M

* STA 271+51.14 'EB' TO 279+05 'EB' (TWO LANE TO FOUR LANE TRANSITION)
STA 279+05 'EB' TO 311+00 'EB'

LEGEND

(1)	7-INCH HMA PAVEMENT LOWER LAYER: 2 1/4-INCH 3MT 58-28 S LOWER LAYER: 2 1/4-INCH 3MT 58-28 S UPPER LAYER: 2 1/2-INCH 4MT 58-28 H
(8)	BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
(12)	SELECT CRUSHED MATERIAL, 16-INCH
(13)	BASE AGGREGATE DENSE 3/4-INCH, 3-INCH
(14)	CONCRETE CURB & GUTTER 30-INCH TYPE D
(15)	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D

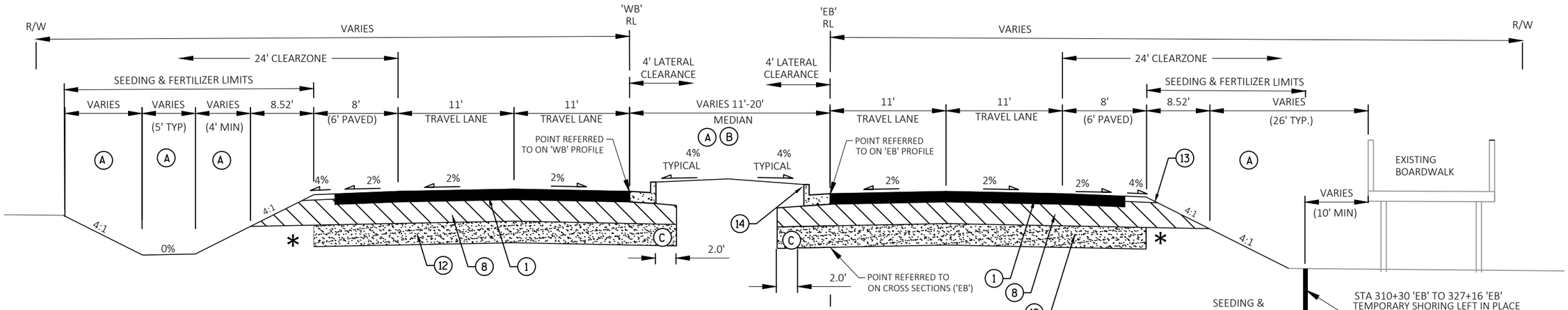
* CONSTRUCT RELIEF TRENCHES AT 250' INTERVALS AND DITCH SAG POINTS

(A) SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, MULCHING OR EROSION MAT I TYPE B (SEE EROSION CONTROL PLANS FOR LOCATION)

(B) WHEN MEDIAN WIDTH IS LESS THAN 8 FEET BETWEEN BACK OF CURBS, CONSTRUCT CONCRETE SIDEWALK 5-INCH OVER 4-INCHES BASE AGGREGATE DENSE 1 ¼-INCH. EXTEND SUBGRADE EXCAVATION AND SELECT CRUSHED MATERIAL TO MEET ADJACENT SUBGRADE POINT.

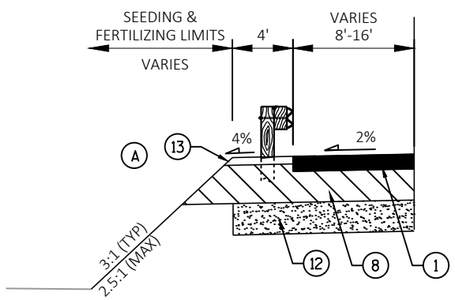
(C) SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN LOCATIONS AND DETAILS FOR SUBGRADE DRAINAGE.

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN: TYPICAL SECTION	SHEET 7	E

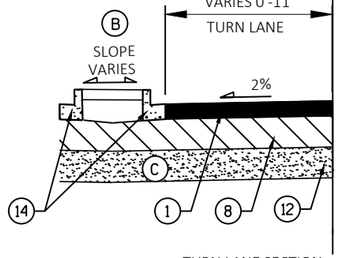


PROPOSED TYPICAL SECTION, CTH M

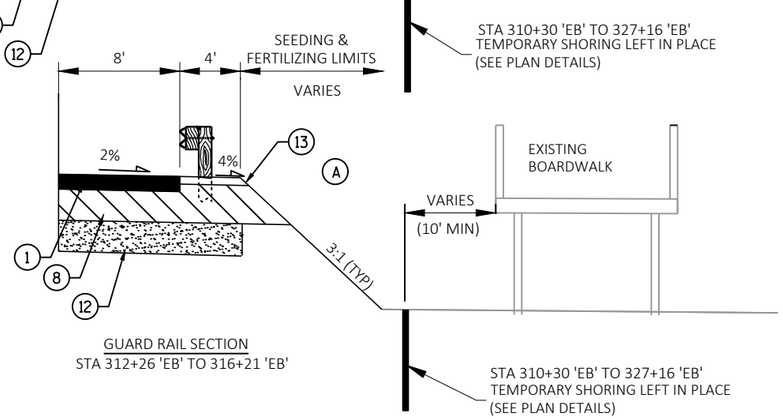
STA 311+00 'EB' TO 327+50 'EB'
STA 367+00 'EB' TO 381+57 'EB'



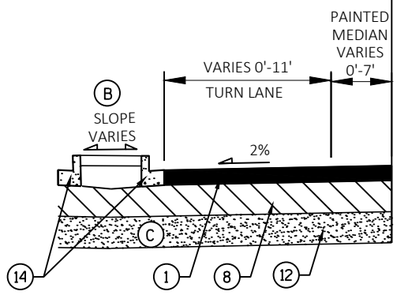
GUARD RAIL SECTION
STA 312+92 'WB' TO 316+49 'WB'



TURN LANE SECTION
STA 322+25 'EB' TO 327+00 'EB'



GUARD RAIL SECTION
STA 312+26 'EB' TO 316+21 'EB'



TURN LANE SECTION
STA 301+85 'EB' TO 310+60 'EB'
STA 375+25 'EB' TO 378+00 'EB'
STA 379+00 'EB' TO 382+00 'EB' (MIRRORED)

Ⓐ SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, MULCHING OR EROSION MAT I TYPE B (SEE EROSION CONTROL PLANS FOR LOCATION)

Ⓑ WHEN MEDIAN WIDTH IS LESS THAN 8 FEET BETWEEN BACK OF CURBS, CONSTRUCT CONCRETE SIDEWALK 5-INCH OVER 4-INCHES BASE AGGREGATE DENSE 1 ¼-INCH. EXTEND SUBGRADE EXCAVATION AND SELECT CRUSHED MATERIAL TO MEET ADJACENT SUBGRADE POINT.

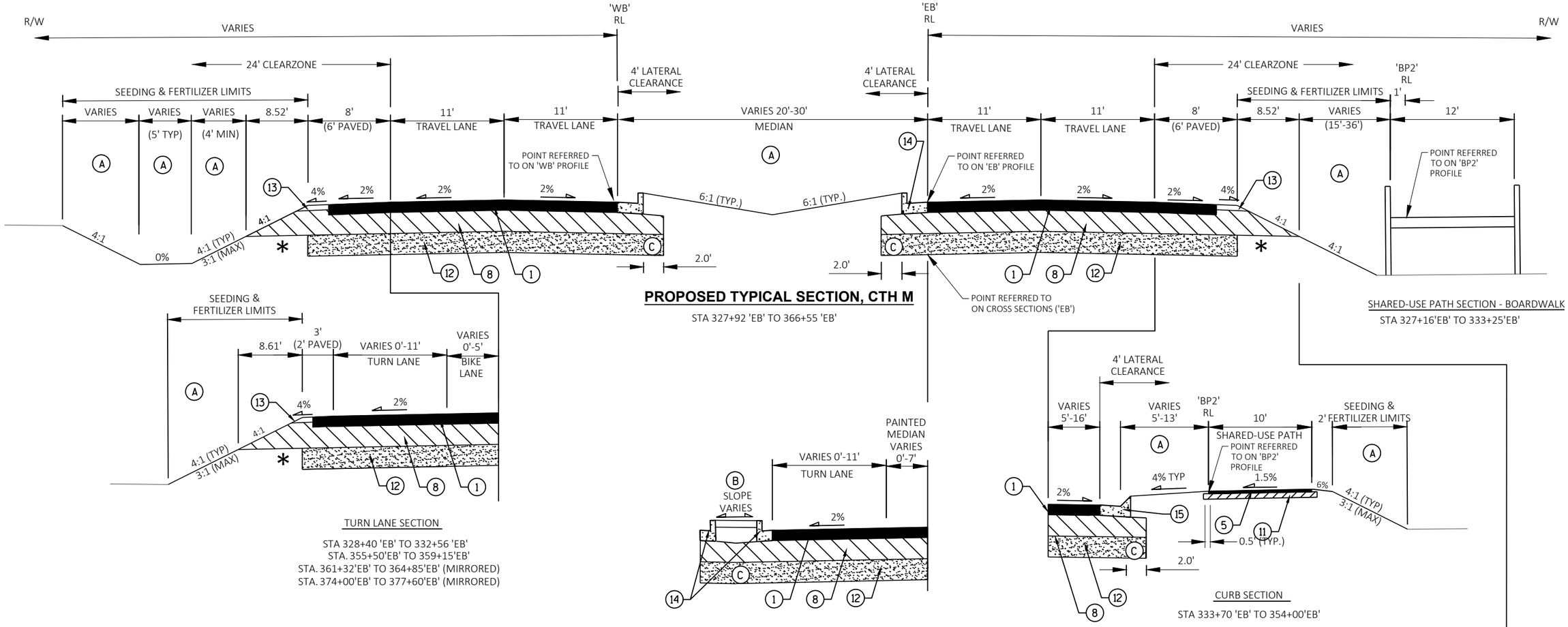
Ⓒ SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN LOCATIONS AND DETAILS FOR SUBGRADE DRAINAGE.

LEGEND

1	7-INCH HMA PAVEMENT LOWER LAYER: 2 1/4-INCH 3MT 58-28 S LOWER LAYER: 2 1/4-INCH 3MT 58-28 S UPPER LAYER: 2 1/2-INCH 4MT 58-28 H
8	BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
12	SELECT CRUSHED MATERIAL, 16-INCH
13	BASE AGGREGATE DENSE 3/4-INCH, 3-INCH
14	CONCRETE CURB & GUTTER 30-INCH TYPE D

* CONSTRUCT RELIEF TRENCHES AT 250' INTERVALS AND DITCH SAG POINTS

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN: TYPICAL SECTION	SHEET 8	E



PROPOSED TYPICAL SECTION, CTH M

STA 327+92 'EB' TO 366+55 'EB'

SHARED-USE PATH SECTION - BOARDWALK

STA 327+16'EB' TO 333+25'EB'

TURN LANE SECTION

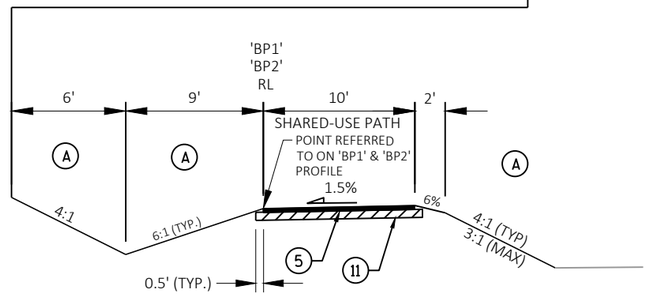
STA 328+40 'EB' TO 332+56 'EB'
STA. 355+50'EB' TO 359+15'EB'
STA. 361+32'EB' TO 364+85'EB' (MIRRORED)
STA. 374+00'EB' TO 377+60'EB' (MIRRORED)

TURN LANE SECTION

STA 350+75'EB' TO 354+15'EB'
STA. 355+00'EB' TO 358+00'EB' (MIRRORED)

CURB SECTION

STA 333+70 'EB' TO 354+00'EB'



SHARED-USE PATH SECTION

STA 307+50 'EB' TO 310+50 'EB'
STA 354+00 'EB' TO 365+00 'EB'

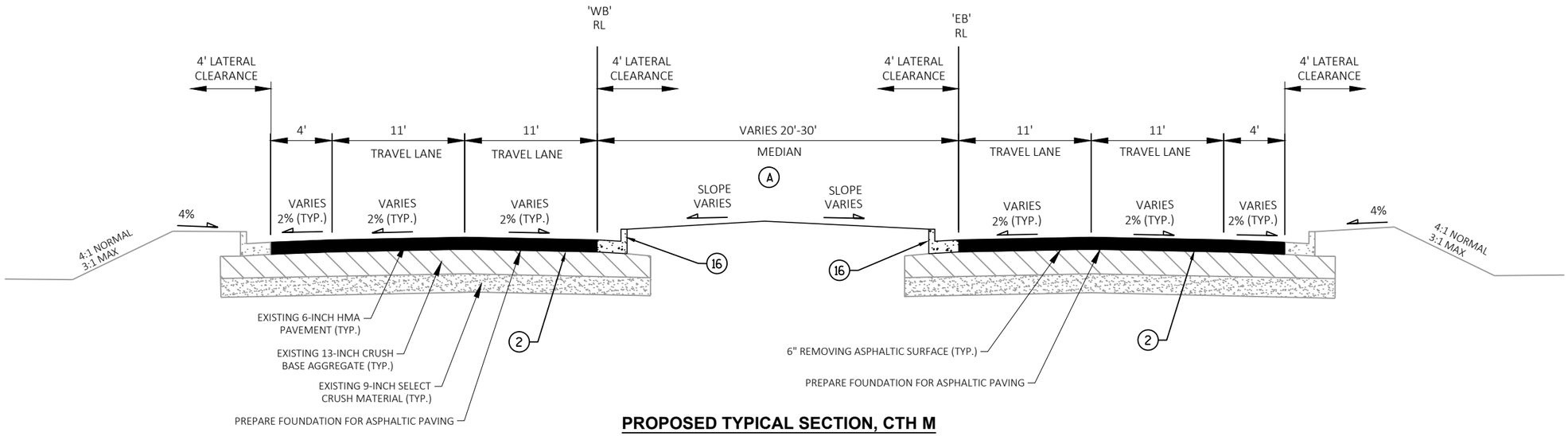
LEGEND

1	7-INCH HMA PAVEMENT LOWER LAYER: 2 1/4-INCH 3MT 58-28S LOWER LAYER: 2 1/4-INCH 3MT 58-28S UPPER LAYER: 2 1/2-INCH 4MT 58-28H
5	3-INCH HMA PAVEMENT (4 LT 58-28 S)-SINGLE LIFT
8	BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
11	BASE AGGREGATE DENSE 1 1/4-INCH, 8-INCH
12	SELECT CRUSHED MATERIAL, 16-INCH
13	BASE AGGREGATE DENSE 3/4-INCH, 3-INCH
14	CONCRETE CURB & GUTTER 30-INCH TYPE D
15	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D

A	SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, MULCHING OR EROSION MAT I TYPE B (SEE EROSION CONTROL PLANS FOR LOCATION)
B	WHEN MEDIAN WIDTH IS LESS THAN 8 FEET BETWEEN BACK OF CURBS, CONSTRUCT CONCRETE SIDEWALK 5-INCH OVER 4-INCHES BASE AGGREGATE DENSE 1 ¼-INCH. EXTEND SUBGRADE EXCAVATION AND SELECT CRUSHED MATERIAL TO MEET ADJACENT SUBGRADE POINT.
C	SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN LOCATIONS AND DETAILS FOR SUBGRADE DRAINAGE.

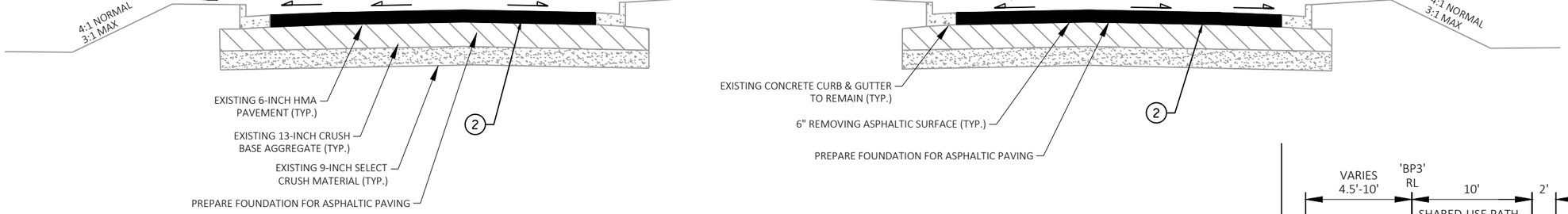
* CONSTRUCT RELIEF TRENCHES AT 250' INTERVALS AND DITCH SAG POINTS

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN: TYPICAL SECTION	SHEET 9	E



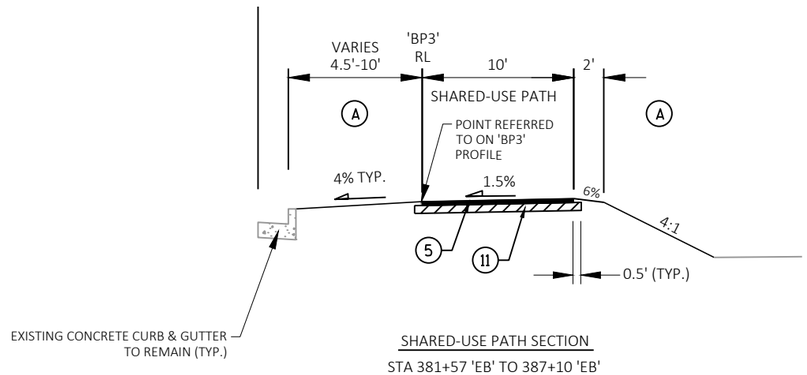
PROPOSED TYPICAL SECTION, CTH M

STA 381+57 'EB' TO 383+00 'EB'
STA 384+10 'WB' TO 386+97 'WB'



PROPOSED TYPICAL SECTION, CTH M

STA 383+00 'EB' TO 405+00 'EB'
STA 386+97 'WB' TO 404+77 'WB'



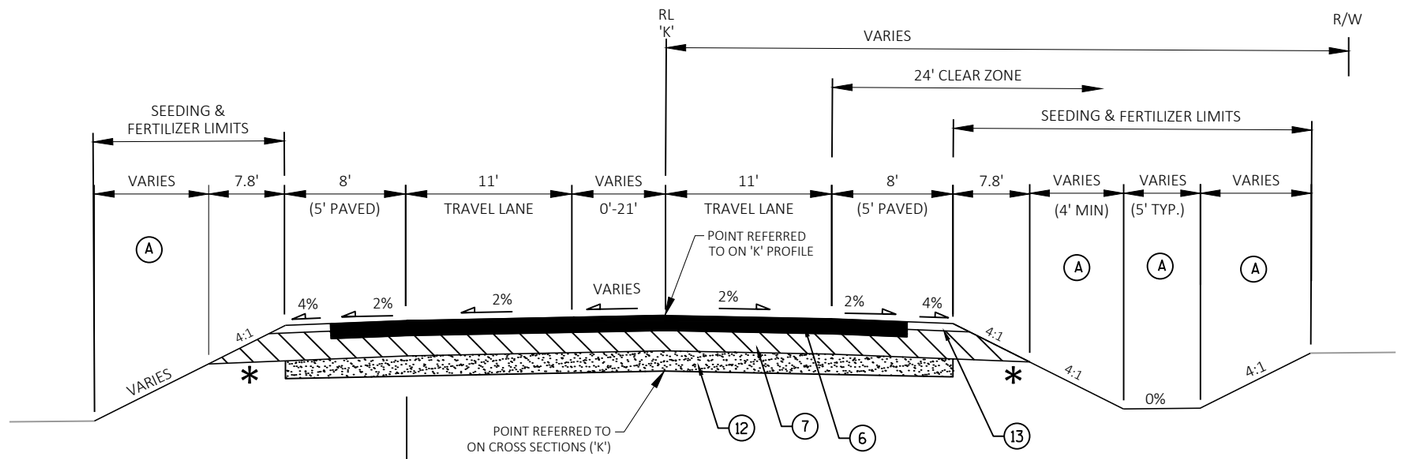
SHARED-USE PATH SECTION
STA 381+57 'EB' TO 387+10 'EB'

LEGEND

(2)	6-INCH HMA PAVEMENT LOWER LAYER: 3 1/2-INCH 3MT 58-28S UPPER LAYER: 2 1/2-INCH 4MT 58-28H
(5)	3-INCH HMA PAVEMENT (4 LT 58-28 S)-SINGLE LIFT
(11)	BASE AGGREGATE DENSE 1 1/4-INCH, 8-INCH
(16)	CONCRETE CURB & GUTTER, 18-INCH TYPE D

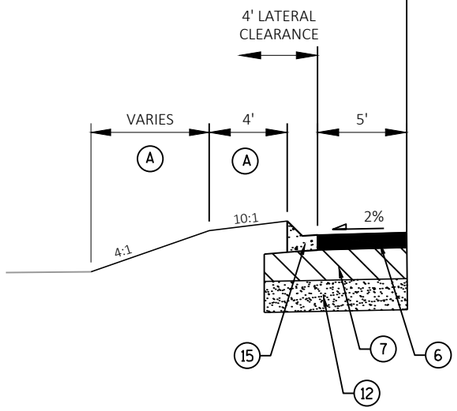
(A) SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, MULCHING OR EROSION MAT I TYPE B (SEE EROSION CONTROL PLANS FOR LOCATION)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN: TYPICAL SECTION	SHEET 10	E



PROPOSED TYPICAL SECTION, CTH K

STA 71+85 'K' TO 77+25 'K'



URBAN SECTION

STA 73+22'K' TO 78+49'K'

(A) SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, MULCHING OR EROSION MAT I TYPE B (SEE EROSION CONTROL PLANS FOR LOCATION)

(B) WHEN MEDIAN WIDTH IS LESS THAN 8 FEET BETWEEN BACK OF CURBS, CONSTRUCT CONCRETE SIDEWALK 5-INCH OVER 4-INCHES BASE AGGREGATE DENSE 1 ¼-INCH. EXTEND SUBGRADE EXCAVATION AND SELECT CRUSHED MATERIAL TO MEET ADJACENT SUBGRADE POINT.

(C) SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN LOCATIONS AND DETAILS FOR SUBGRADE DRAINAGE.

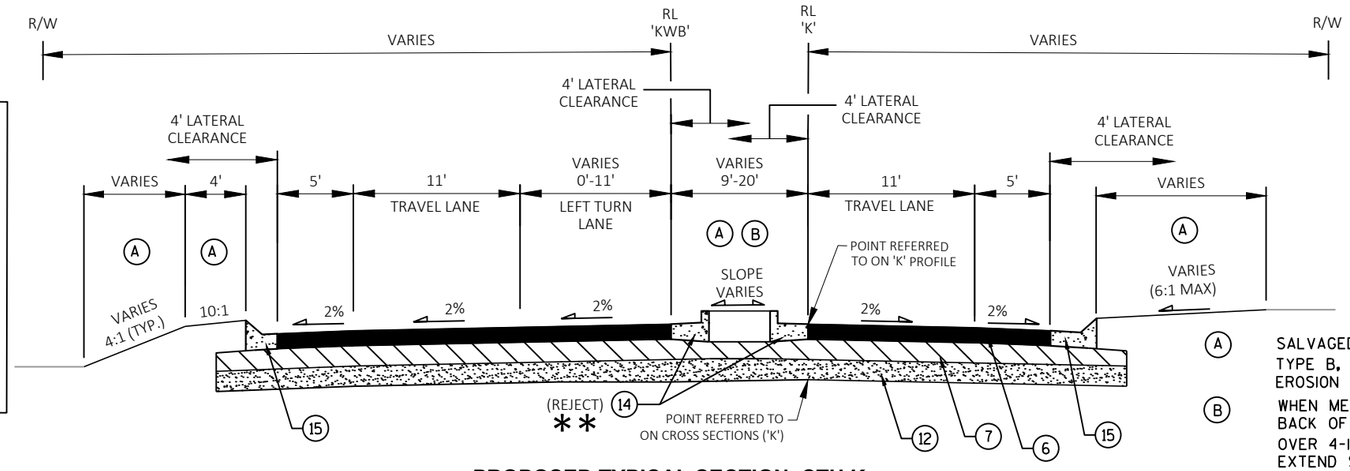
LEGEND

- (6) 6 1/4-INCH HMA PAVEMENT
  - LOWER LAYER: 2 1/4-INCH 3 MT 58-28 S
  - LOWER LAYER: 2 1/4-INCH 3 MT 58-28 S
  - UPPER LAYER: 1 3/4-INCH 4 MT 58-28 H
- (7) BASE AGGREGATE DENSE 1 1/4-INCH, 16-INCH
- (12) SELECT CRUSHED MATERIAL, 16-INCH
- (13) BASE AGGREGATE DENSE 3/4-INCH, 3-INCH
- (15) CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D

* CONSTRUCT RELIEF TRENCHES AT 250' INTERVALS AND DITCH SAG POINTS

LEGEND

- (6) 6 1/4-INCH HMA PAVEMENT
  - LOWER LAYER: 2 1/4-INCH 3 MT 58-28 S
  - LOWER LAYER: 2 1/4-INCH 3 MT 58-28 S
  - UPPER LAYER: 1 3/4-INCH 4 MT 58-28 H
- (7) BASE AGGREGATE DENSE 1 1/4-INCH, 16-INCH
- (12) SELECT CRUSHED MATERIAL, 16-INCH
- (13) BASE AGGREGATE DENSE 3/4-INCH, 3-INCH
- (14) CONCRETE CURB & GUTTER 30-INCH TYPE D
- (15) CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D



PROPOSED TYPICAL SECTION, CTH K

STA 77+25 'K' TO 80+45 'K'

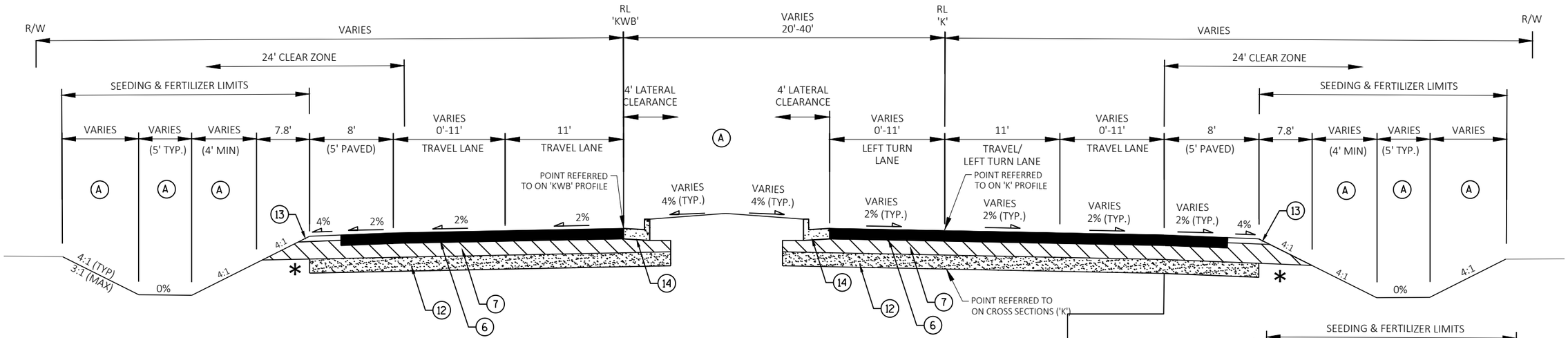
(A) SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, MULCHING OR EROSION MAT I TYPE B (SEE EROSION CONTROL PLANS FOR LOCATION)

(B) WHEN MEDIAN WIDTH IS LESS THAN 8 FEET BETWEEN BACK OF CURBS, CONSTRUCT CONCRETE SIDEWALK 5-INCH OVER 4-INCHES BASE AGGREGATE DENSE 1 ¼-INCH. EXTEND SUBGRADE EXCAVATION AND SELECT CRUSHED MATERIAL TO MEET ADJACENT SUBGRADE POINT.

(C) SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN LOCATIONS AND DETAILS FOR SUBGRADE DRAINAGE.

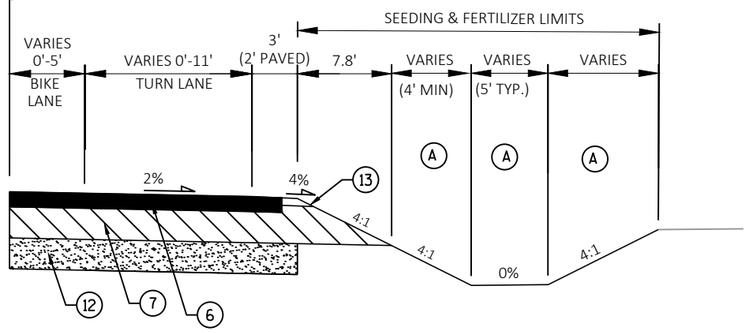
* CONSTRUCT RELIEF TRENCHES AT 250' INTERVALS AND DITCH SAG POINTS

** REJECT CURB AND GUTTER STA 77+25 'K' - 79+05 'K'
REJECT CURB AND GUTTER STA 77+00 'KWB' - 78+85 'KWB'



PROPOSED TYPICAL SECTION, CTH K

STA 80+45 'K' TO 86+27 'K'



RIGHT TURN LANE, CTH K

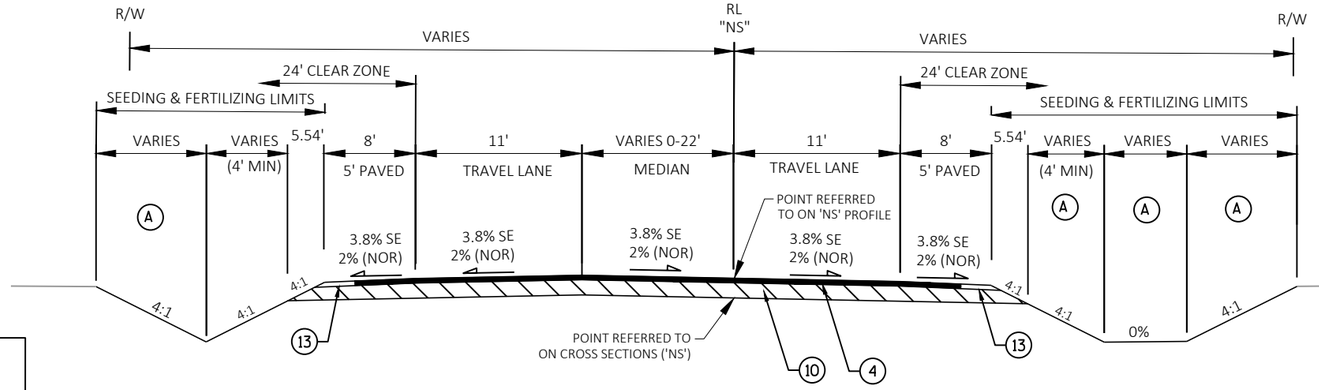
STA 84+20 'K' TO 86+30 'K'

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN: TYPICAL SECTION	SHEET 12	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TYPICAL SECTIONS\020301-TS-PROP.DWG
LAYOUT NAME - 06_K

PLOT DATE : 5/9/2023 10:04 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

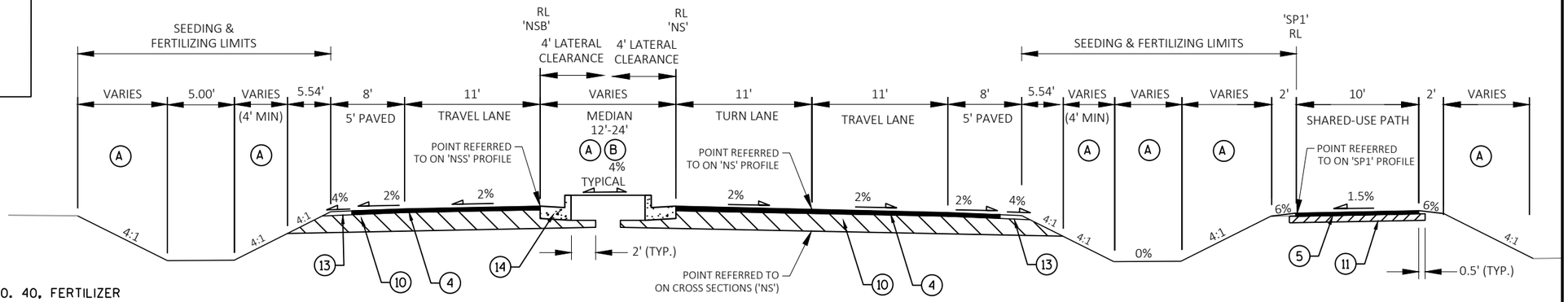


PROPOSED TYPICAL SECTION, NORTH SHORE BAY DR.

STA 10+00 'NS' TO 15+80 'NS'

LEGEND

4	4-INCH HMA PAVEMENT LOWER LAYER: 2-INCH 4LT 58-28S UPPER LAYER: 2-INCH 4LT 58-28S
5	3-INCH HMA PAVEMENT (4 LT 58-28 S)-SINGLE LIFT
10	BASE AGGREGATE DENSE 1 1/4-INCH, 12-INCH
11	BASE AGGREGATE DENSE 1 1/4-INCH, 8-INCH
13	BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
14	CONCRETE CURB & GUTTER 30-INCH TYPE D

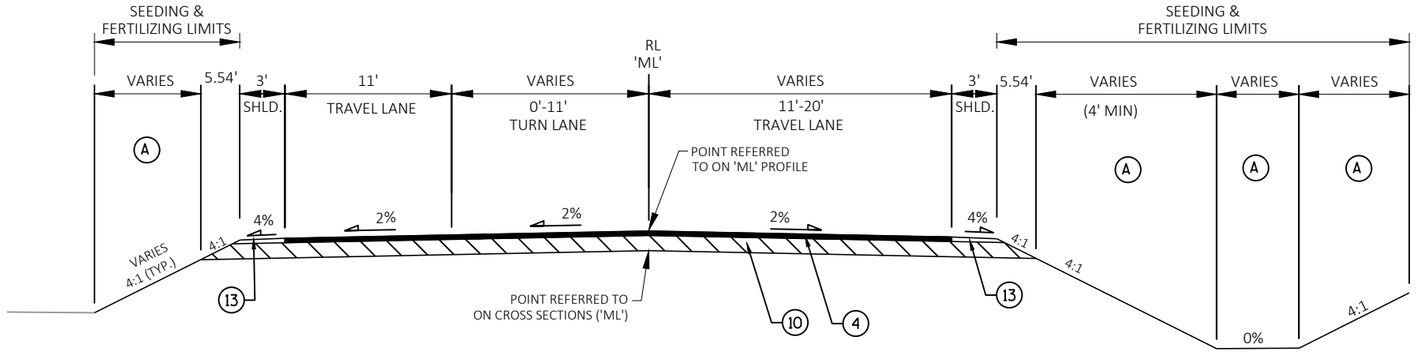


PROPOSED TYPICAL SECTION, NORTH SHORE BAY DR.

STA 15+80 'NS' TO 17+70 'NS'

(A) SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, MULCHING OR EROSION MAT I TYPE B (SEE EROSION CONTROL PLANS FOR LOCATION)

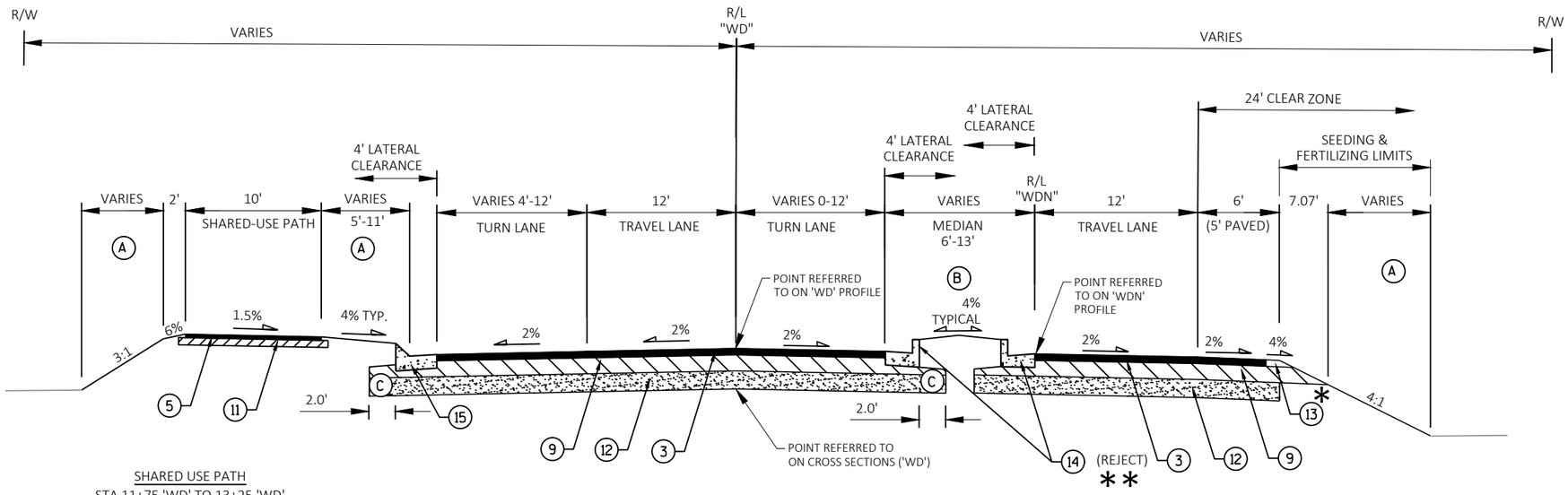
(B) WHEN MEDIAN WIDTH IS LESS THAN 8 FEET BETWEEN BACK OF CURBS, CONSTRUCT CONCRETE SIDEWALK 5-INCH OVER 4-INCHES BASE AGGREGATE DENSE 1 ¼-INCH. EXTEND SUBGRADE EXCAVATION AND SELECT CRUSHED MATERIAL TO MEET ADJACENT SUBGRADE POINT.



PROPOSED TYPICAL SECTION, MARY LAKE DR.

STA 10+45 'ML' TO 12+25 'ML'

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN: TYPICAL SECTION	SHEET 13	E



SHARED USE PATH
STA 11+75 'WD' TO 13+25 'WD'

PROPOSED TYPICAL SECTION, WOODLAND DR.

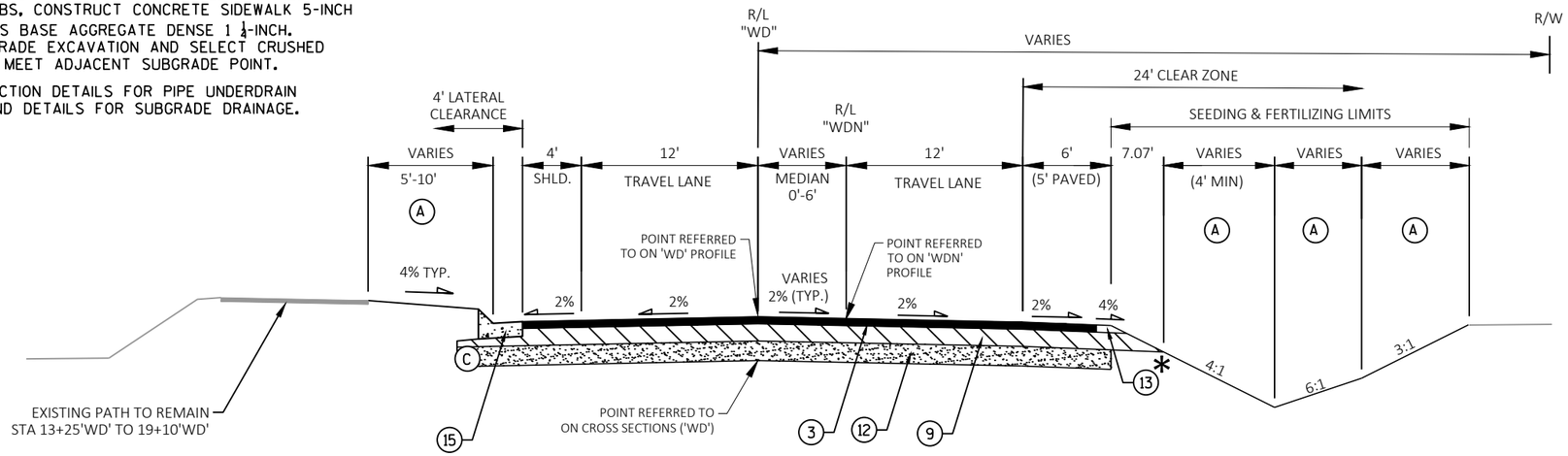
STA 11+63 'WD' TO 17+92 'WD'

** REJECT CURB AND GUTTER STA 16+95 'WD' - 79+90 'WD'
REJECT CURB AND GUTTER STA 16+90 'WDN' - 17+80 'KWB'

(A) SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, MULCHING OR EROSION MAT I TYPE B (SEE EROSION CONTROL PLANS FOR LOCATION)

(B) WHEN MEDIAN WIDTH IS LESS THAN 8 FEET BETWEEN BACK OF CURBS, CONSTRUCT CONCRETE SIDEWALK 5-INCH OVER 4-INCHES BASE AGGREGATE DENSE 1 ¼-INCH. EXTEND SUBGRADE EXCAVATION AND SELECT CRUSHED MATERIAL TO MEET ADJACENT SUBGRADE POINT.

(C) SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN LOCATIONS AND DETAILS FOR SUBGRADE DRAINAGE.



PROPOSED TYPICAL SECTION, WOODLAND DR.

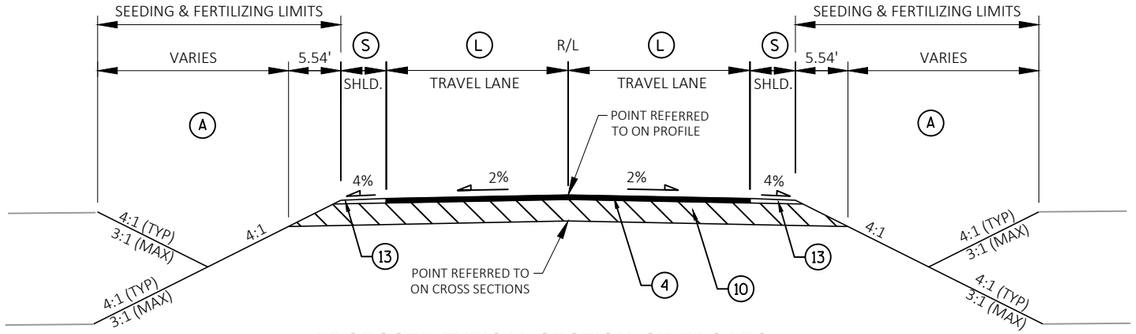
STA 17+92 'WD' TO 19+10 'WD'

LEGEND

(3)	5 3/4-INCH HMA PAVEMENT LOWER LAYER: 3 1/4-INCH 3MT 58-28S UPPER LAYER: 2 1/2-INCH 4MT 58-28H
(5)	3-INCH HMA PAVEMENT 4LT 58-28 S-SINGLE LIFT
(9)	BASE AGGREGATE DENSE 1 1/4-INCH, 14-INCH
(11)	BASE AGGREGATE DENSE 1 1/4-INCH, 8-INCH
(12)	SELECT CRUSHED MATERIAL, 16-INCH
(13)	BASE AGGREGATE DENSE 3/4-INCH, 3-INCH
(14)	CONCRETE CURB & GUTTER 30-INCH TYPE D
(15)	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D

* CONSTRUCT RELIEF TRENCHES AT 250' INTERVALS AND DITCH SAG POINTS

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN: TYPICAL SECTION	SHEET 14	E



PROPOSED TYPICAL SECTION, SIDEROADS

SHILLING LANE STA 10+25 - 10+75 'S'
SHILLING LANE STA 10+00 - 14+06 'SC'
CORNER COURT STA 10+34 - 13+75 'CC'
MANSFIELD ROAD STA 10+20 - 10+75 'MA'
KUPFER ROAD STA 10+15 - 11+50 'KU'
WILLOW ROAD (WEST) STA 10+57 - 12+15 'WW'
WILLOW ROAD (EAST) STA 10+47 - 12+00 'WE'

LEGEND

(4) 4-INCH HMA PAVEMENT
LOWER LAYER: 2-INCH 4LT 58-28S
UPPER LAYER: 2-INCH 4LT 58-28S

(10) BASE AGGREGATE DENSE 1 1/4-INCH, 12-INCH

(13) BASE AGGREGATE DENSE 3/4-INCH, 4-INCH

SIDE ROAD	"L"	"S"	NOTES
SHILLING LANE	10'	3'	--
CORNER COURT	11'	3'	--
MANSFIELD ROAD	10'	3'	--
KUPFER ROAD	7'	3'	--
WILLOW (WEST)	11'	3'	--
WILLOW (EAST)	17'	3'	CURB & GUTTER RIGHT SHOULDER

NOTE: GRADE TO MAINLINE SUBGRADE TO RADIUS POINT OF SIDE ROAD.

(A) SALVAGED TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, MULCHING OR EROSION MAT I TYPE B (SEE EROSION CONTROL PLANS FOR LOCATION)

(B) WHEN MEDIAN WIDTH IS LESS THAN 8 FEET BETWEEN BACK OF CURBS, CONSTRUCT CONCRETE SIDEWALK 5-INCH OVER 4-INCHES BASE AGGREGATE DENSE 1 ¼-INCH. EXTEND SUBGRADE EXCAVATION AND SELECT CRUSHED MATERIAL TO MEET ADJACENT SUBGRADE POINT.

(C) SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN LOCATIONS AND DETAILS FOR SUBGRADE DRAINAGE.

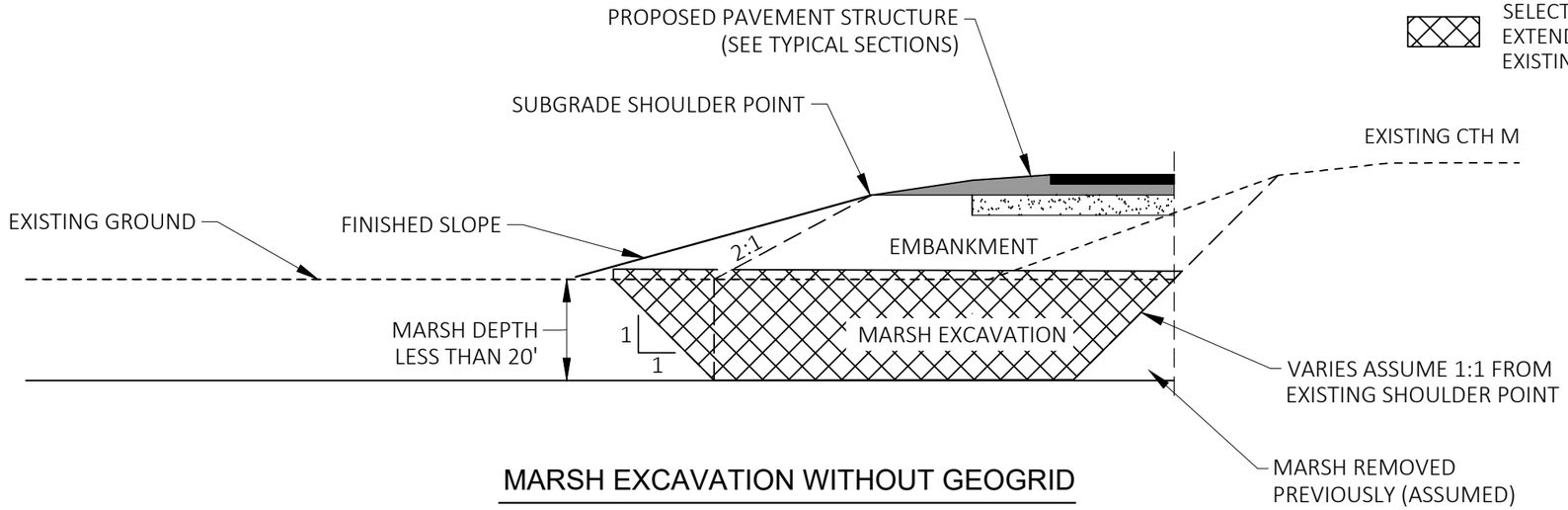
SUPERELEVATION REPORT FOR CTH M 'WB'			
TRANSITION EVENT POINTS		RATE (ET/ET)	
		LEET OF CROWNLINE	
LOCATION	STATION	LEET OUTSIDE SHOULDER	(WB) LANES
CURVE 1			
Manual	271+44.00	-0.04	-0.02
Manual	272+25.00	-0.04	-0.02
CURVE 2			
EndNormalShoulder	292+08.73	-0.04	-0.02
EndNormalCrown	292+08.73	-0.04	-0.02
LevelCrown	292+75.22	-0.04	0
ReverseCrown	293+41.71	-0.04	0.02
BeginFullSuper	293+98.22	-0.04	0.037
Manual	304+25.00	-0.04	0.037
Manual	305+25.00	-0.04	0.02
EndFullSuper	308+17.04	-0.04	0.02
ReverseCrown	308+73.55	-0.04	0.02
LevelCrown	309+40.04	-0.04	0
BeginNormalCrown	310+06.52	-0.04	-0.02
BeginNormalShoulder	310+06.52	-0.04	-0.02
CURVE 11			
EndNormalShoulder	380+92.70	-0.04	-0.02
EndNormalCrown	380+92.70	-0.04	-0.02
LevelCrown	381+59.13	-0.04	-0.02
ReverseCrown	382+25.56	-0.04	-0.02
BeginFullSuper	382+52.13	-0.04	-0.025
EndFullSuper	385+76.47	-0.04	-0.025
ReverseCrown	386+03.04	-0.04	-0.02
LevelCrown	386+69.47	-0.04	-0.02
BeginNormalCrown	387+35.90	-0.04	-0.02
BeginNormalShoulder	387+35.90	-0.04	-0.02
CURVE 12			
EndNormalShoulder	391+76.02	-0.04	-0.02
EndNormalCrown	391+76.02	-0.04	-0.02
LevelCrown	392+42.42	-0.04	0
ReverseCrown	393+08.82	-0.04	0.02
BeginFullSuper	393+25.42	-0.04	0.025
EndFullSuper	397+72.32	-0.04	0.025
ReverseCrown	397+88.92	-0.04	0.02
LevelCrown	398+55.32	-0.04	0
BeginNormalCrown	399+21.72	-0.04	-0.02
BeginNormalShoulder	399+21.72	-0.04	-0.02

SUPERELEVATION REPORT FOR NORTH SHORE BAY DR 'NSN'					
TRANSITION EVENT POINTS		RATE (FT/FT)			
		LEFT OF CROWNLINE		RIGHT OF CROWNLINE	
LOCATION	STATION	LEFT OUTSIDE SHOULDER	LEFT LANE (SB)	RIGHT LANE (NB)	RIGHT OUTSIDE SHOULDER
CURVE 1					
EndNormalShoulder	10+10.00	-0.04	-0.02	-0.02	-0.04
EndNormalCrown	10+10.00	-0.04	-0.02	-0.02	-0.04
LevelCrown	10+46.31	-0.04	-0.02	0	-0.04
ReverseCrown	10+82.63	-0.04	-0.02	0.02	-0.04
BeginFullSuper	11+15.31	-0.04	-0.038	0.038	-0.04
EndFullSuper	12+56.33	-0.04	-0.038	0.038	-0.04
ReverseCrown	12+89.01	-0.04	-0.02	0.02	-0.04
LevelCrown	13+25.33	-0.04	-0.02	0	-0.04
BeginNormalCrown	13+61.64	-0.04	-0.02	-0.02	-0.04
BeginNormalShoulder	13+61.64	-0.04	-0.02	-0.02	-0.04

SUPERELEVATION REPORT FOR CTH M 'EB'			
TRANSITION EVENT POINTS			
		RIGHT OF CROWNLINE	
LOCATION	STATION	(EB) LANES	RIGHT OUTSIDE SHOULDER
CURVE 5			
Manual	271+45.00	-0.02	-0.02
Manual	272+25.00	-0.02	-0.021
CURVE 6			
EndNormalShoulder	292+20.08	-0.02	-0.04
EndNormalCrown	292+20.08	-0.02	-0.04
LevelCrown	292+86.56	-0.02	-0.04
ReverseCrown	293+53.05	-0.02	-0.04
BeginFullSuper	294+09.56	-0.037	-0.04
Manual	304+00.00	-0.037	-0.04
Manual	305+00.00	-0.02	-0.04
EndFullSuper	307+04.19	-0.02	-0.04
ReverseCrown	307+60.71	-0.02	-0.04
LevelCrown	308+27.19	-0.02	-0.04
BeginNormalCrown	308+93.68	-0.02	-0.04
BeginNormalShoulder	308+93.68	-0.02	-0.04
CURVE 13			
EndNormalShoulder	379+94.71	-0.02	-0.04
EndNormalCrown	379+94.71	-0.02	-0.04
LevelCrown	380+52.71	0	-0.04
BeginFullSuper	381+10.71	0.02	-0.04
ReverseCrown	381+10.71	0.02	-0.04
EndFullSuper	385+75.16	0.02	-0.04
ReverseCrown	385+75.16	0.02	-0.04
LevelCrown	386+33.16	0	-0.04
BeginNormalCrown	386+91.16	-0.02	-0.04
BeginNormalShoulder	386+91.16	-0.02	-0.04

SUPERELEVATION REPORT FOR CTH K 'K'					
TRANSITION EVENT POINTS		RATE (FT/FT)			
		LEFT OF CROWNLINE		RIGHT OF CROWNLINE	
LOCATION	STATION	LEFT OUTSIDE SHOULDER	LEFT LANE (WB)	RIGHT LANE (EB)	RIGHT OUTSIDE SHOULDER
CURVE 1					
LevelCrown	71+77.29	0	0	-0.02	-0.04
BeginNormalCrown	72+21.95	-0.02	-0.02	-0.02	-0.04
BeginNormalShoulder	72+21.95	-0.04	-0.02	-0.02	-0.04
SUPERELEVATION REPORT FOR 'CTH K' (EAST BOUNT)					
TRANSITION EVENT POINTS		RATE (FT/FT)			
		LEFT OF CROWNLINE		RIGHT OF CROWNLINE	
LOCATION	STATION	LEFT SHOULDER	LEFT TURN LANE (EB)	RIGHT LANE (EB)	RIGHT SHOULDER
CURVE 2					
EndNormalShoulder	78+26.64	MEDIAN CURB	-0.02	-0.02	-0.04
EndNormalCrown	78+26.64	MEDIAN CURB	-0.02	-0.02	-0.04
LevelCrown	78+93.64	MEDIAN CURB	0	-0.02	-0.04
BeginFullSuper	79+60.64	MEDIAN CURB	0.02	-0.02	-0.04
ReverseCrown	79+60.64	MEDIAN CURB	0.02	-0.02	-0.04
EndFullSuper	84+23.59	MEDIAN CURB	0.02	-0.02	-0.04
ReverseCrown	84+23.59	MEDIAN CURB	0.02	-0.02	-0.04
LevelCrown	84+90.59	MEDIAN CURB	0.02	-0.02	-0.04
CURVE 3					
Manual	85+00.00	MEDIAN CURB	0.02	-0.02	-0.02
Manual	86+30.00	MEDIAN CURB	-0.01	0.01	0.01

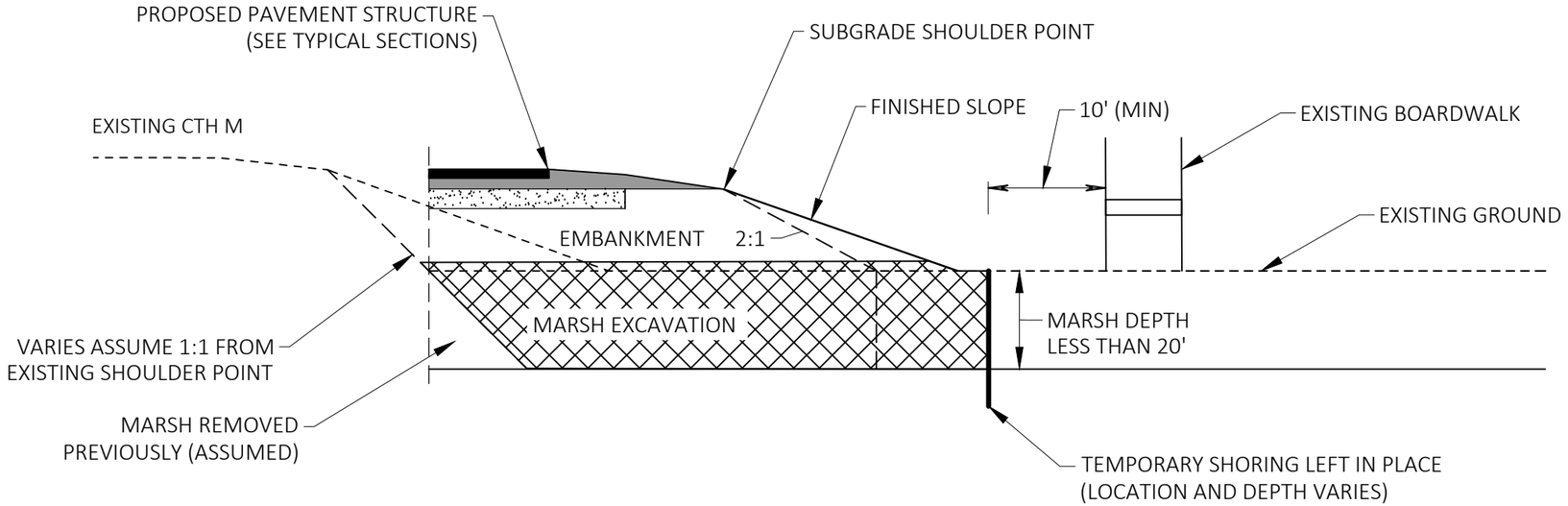
2



SELECT BORROW (P200 <8%)
EXTEND SELECT BORROW 1-FT ABOVE
EXISTING GROUND ELEVATION

MARSH EXCAVATION WITHOUT GEOGRID

CTH M (STA 281+00 'WB' TO STA 285+00 'WB'
CTH M (STA 368+00 'WB' TO STA 377+00 'WB'

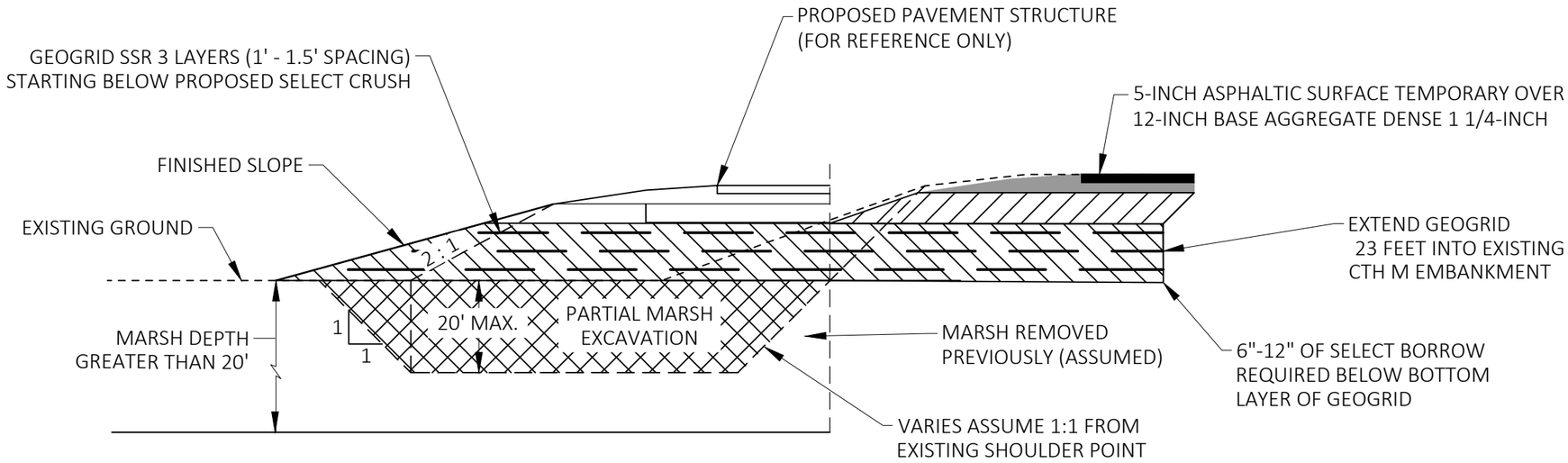


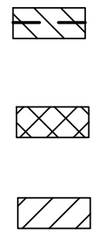
MARSH EXCAVATION WITH TEMPORARY SHORING

CTH M (STA 311+00 'EB' TO STA 317+00 'EB''

SELECT BORROW (P200 <8%)
EXTEND SELECT BORROW 1-FT ABOVE
EXISTING GROUND ELEVATION

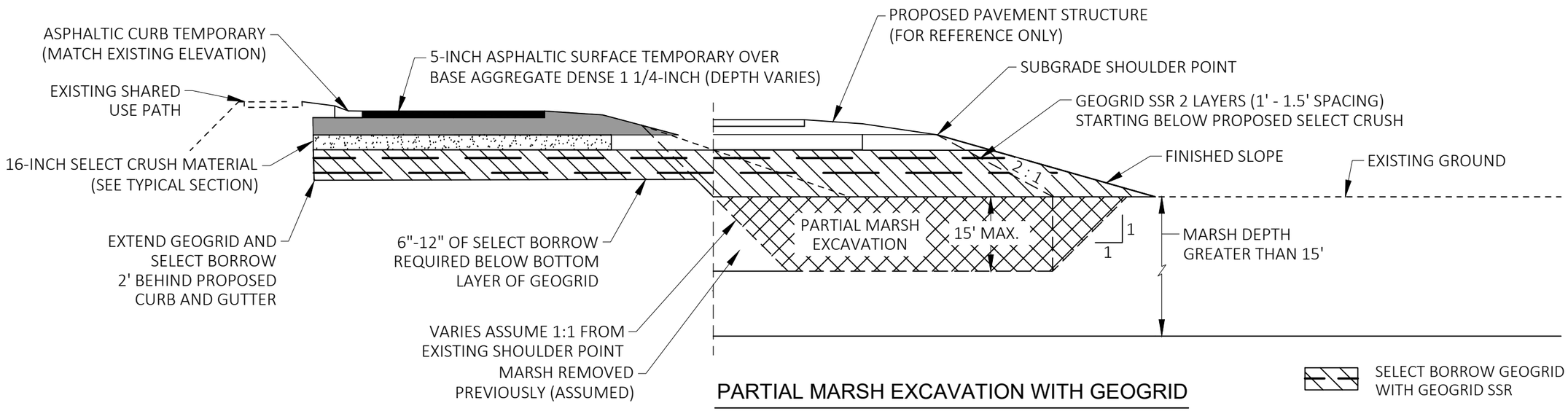
2





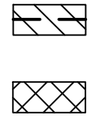
PARTIAL MARSH EXCAVATION WITH GEOGRID

CTH M (STA 321+00 'WB' TO STA 335+00 'WB')



PARTIAL MARSH EXCAVATION WITH GEOGRID

WOODLAND DRIVE (STA 12+00 TO STA 16+00 'WD')

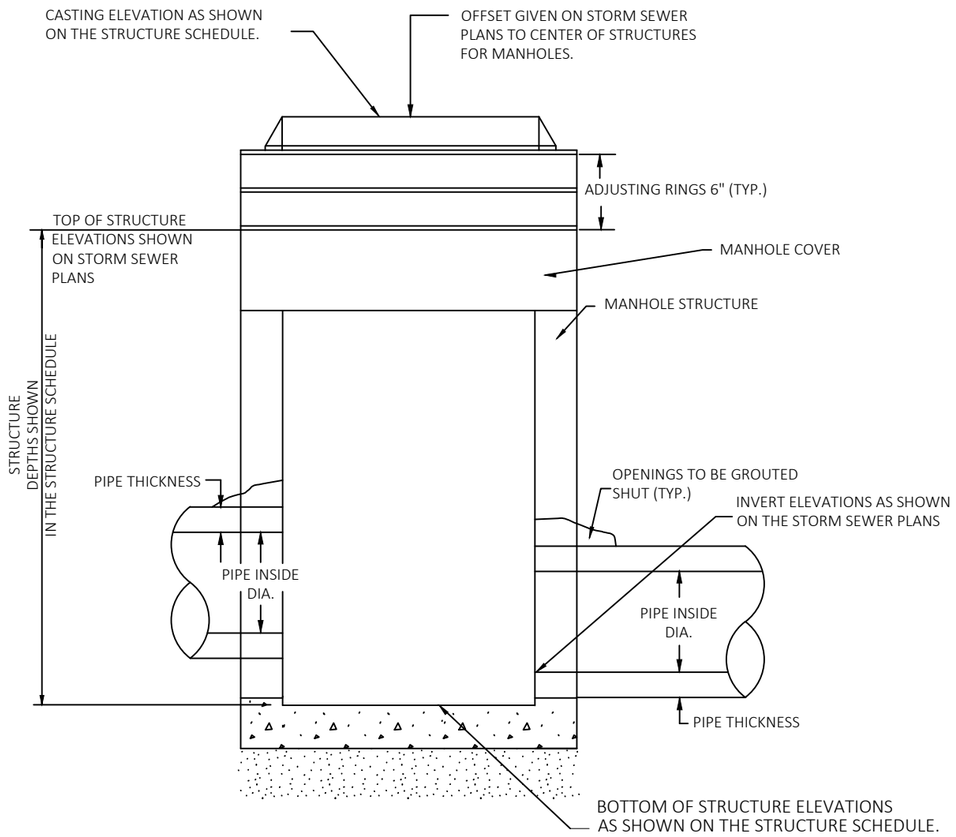


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 18	E

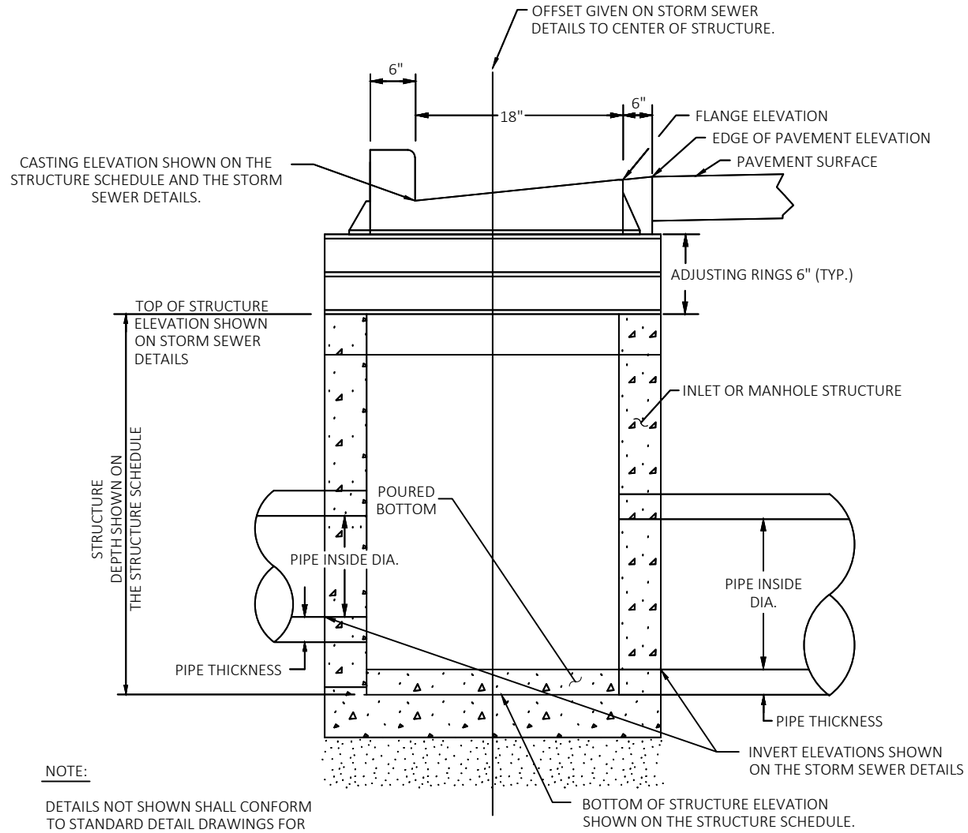
GENERAL NOTES:

GRANULAR BACKFILL REQUIRED AROUND MANHOLE
(INCIDENTAL TO CONSTRUCTION OF MANHOLE)

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, APPLICABLE SPECIAL PROVISIONS, AND S.D.D.'S.



MANHOLE W/CASTING DETAIL

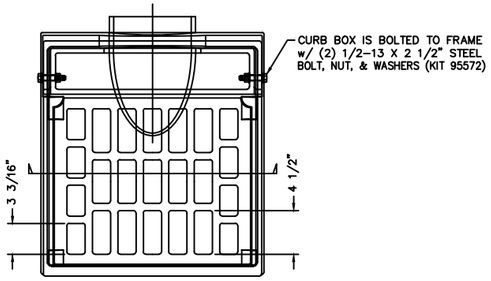


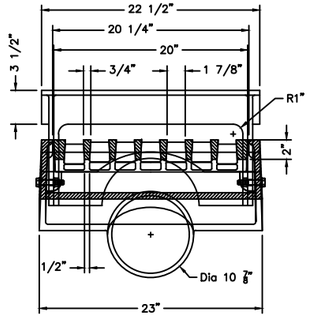
NOTE:

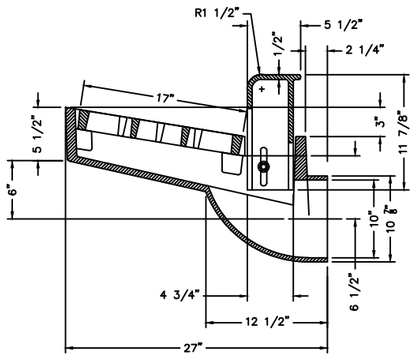
DETAILS NOT SHOWN SHALL CONFORM TO STANDARD DETAIL DRAWINGS FOR INLETS AND MANHOLES.

DETAIL OF INLET/MANHOLE W/CASTING

2







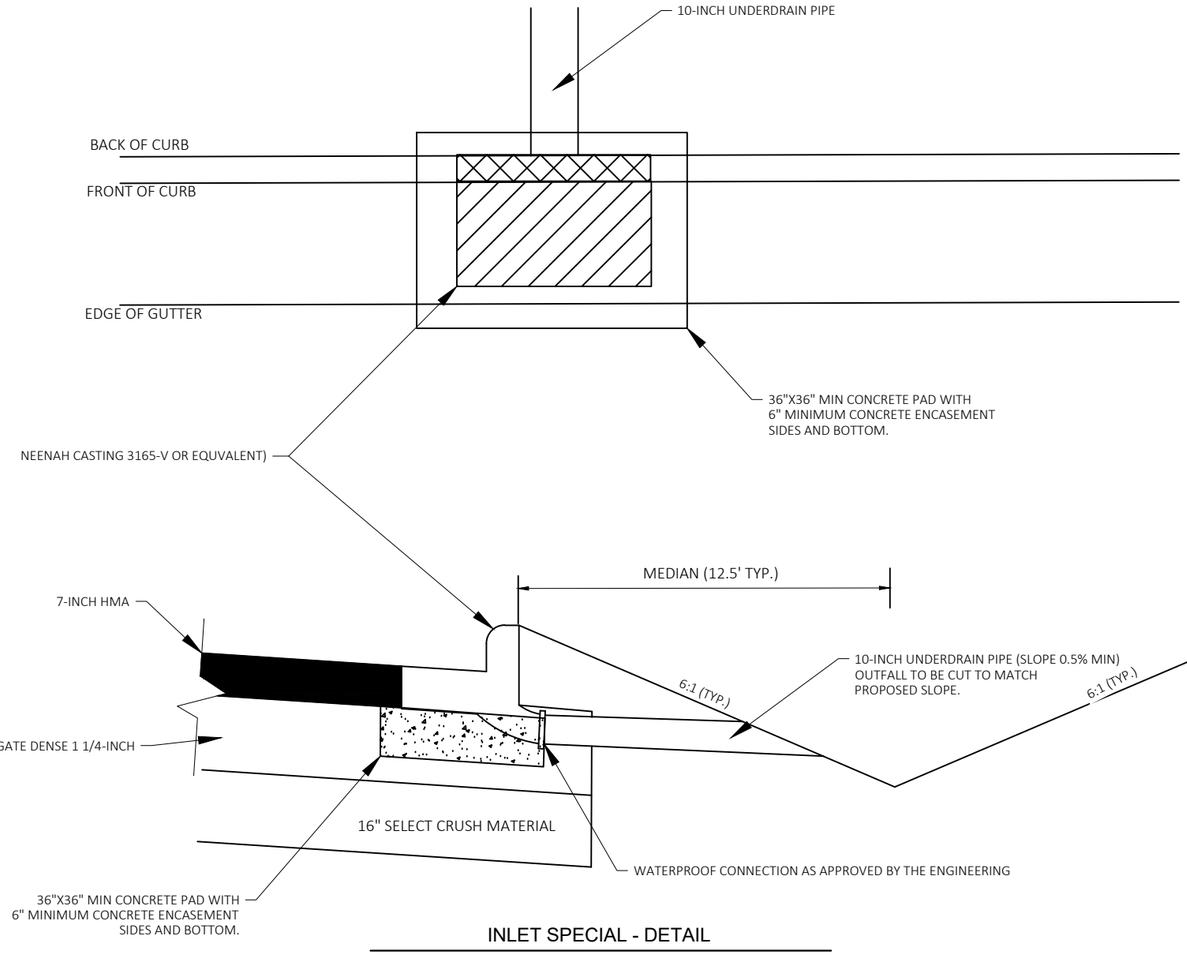
NOTES:

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE WISDOT STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

THE OUTFALL PIPE UNDERDRAIN AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF 612 OF THE STANDARD SPECIFICATIONS.

10-INCH UNDERDRAIN PIPE SHOWN AND CONNECTION TO CASTING TO BE INCIDENTAL TO THE ITEMS INLETS SPECIAL TYPE V

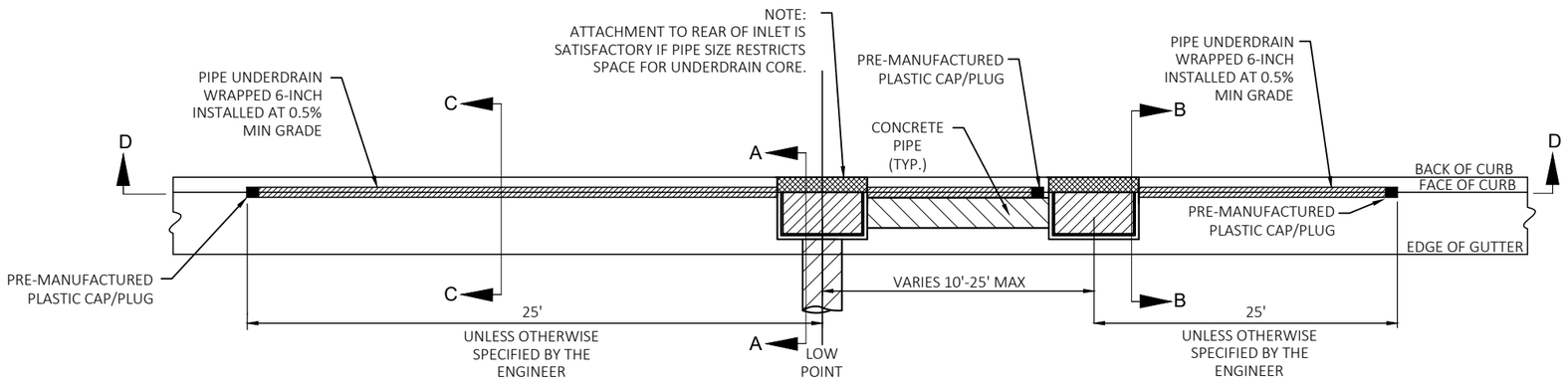
ENCASEMENT: THE ENCASING MATERIAL AROUND THE PIPE SHALL BE IN ACCORDANCE WITH WISDOT SPECIFICATIONS OF 601 FOR CONCRETE CURB AND GUTTER. ENCASEMENT SHOWN TO BE INCIDENTAL TO THE ITEMS INLETS SPECIAL TYPE V.



INLET SPECIAL - DETAIL

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 20	E

2



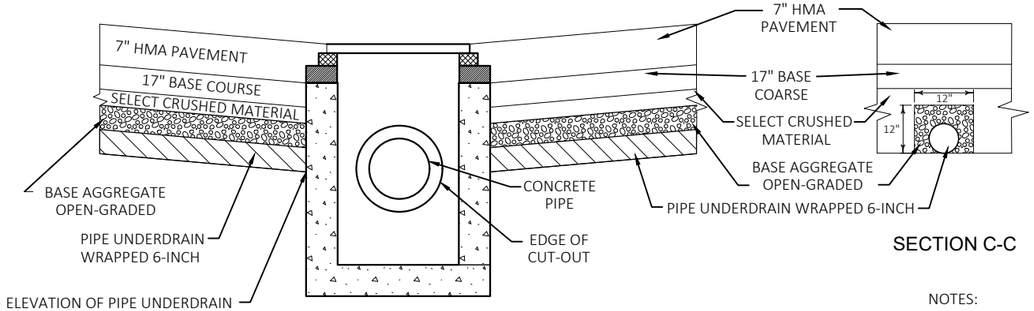
LOW POINT INLET

TOP VIEW
SPLIT DETAIL

LOW POINT INLET WITH FLANKING INLETS

INLET CONFIGURATION WITH UNDERDRAIN AT LOW POINTS

NOTE:
WHERE MULTIPLE INLETS ARE USED AT LOW POINTS, PIPE UNDERDRAIN WRAPPED 6-INCH SHALL BE INSTALLED 25 FEET TO EITHER DIRECTION FROM THE LOW POINT AT A MINIMUM POSITIVE GRADE OF 0.5%. 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.



ELEVATION OF PIPE UNDERDRAIN WRAPPED 6-INCH SHALL BE PLACED AT A MINIMUM OF 6" ABOVE THE INVERT OF STORM SEWER PIPE. UNDERDRAIN PIPE INVERT NOT NECESSARILY AT BOTTOM OF SELECT CRUSHED MATERIAL. ELEVATIONS TO BE DETERMINED BY ENGINEER IN FIELD.

SECTION D-D

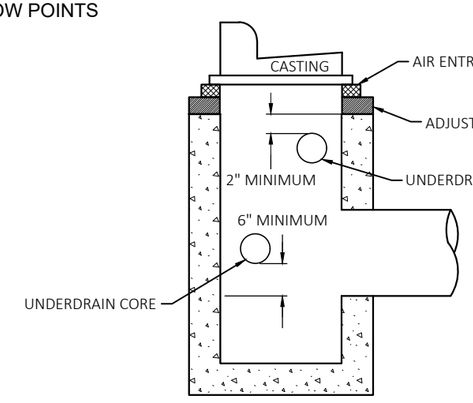
SECTION C-C

NOTES:

(1) BOTTOM OF PIPE SHALL BE PLACED AT THE BOTTOM OF BASE AGGREGATE OPEN-GRADED MATERIAL.
(2) BOTTOM OF BASE AGGREGATE OPEN-GRADED MATERIAL IS NOT NECESSARILY THE BOTTOM OF THE SELECT CRUSHED MATERIAL.

NOTES:

(1) BOTTOM OF CORE PLACED A MINIMUM OF 6" ABOVE THE INVERT OF THE CROSS PIPE.
(2) TOP OF CORE HOLES WILL BE A MINIMUM OF 2" BELOW THE TOP OF THE INLET STRUCTURES (BOTTOM OF RINGS)
(3) DRAIN TILES SHALL NOT BE ALLOWED IN THE RING OF THE STRUCTURE OF INLETS OR SEWER ACCESS STRUCTURES

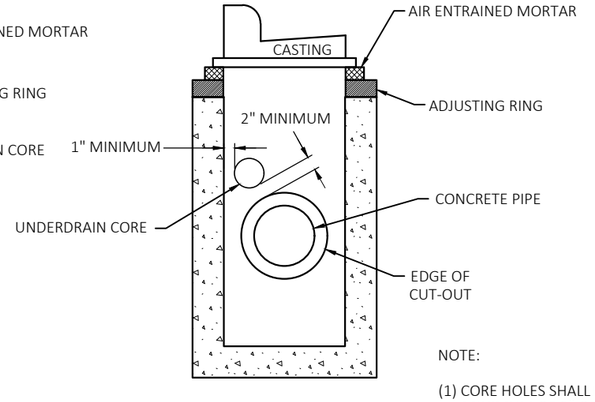


SECTION A-A

CROSS-SECTION VIEW

TYPICAL INLET CONFIGURATION WITH UNDERDRAIN CORED INTO WALL WITH CROSSPIPE ONLY

FOUND AT LOW POINTS WITHOUT FLANKING INLETS



SECTION B-B

NOTE:

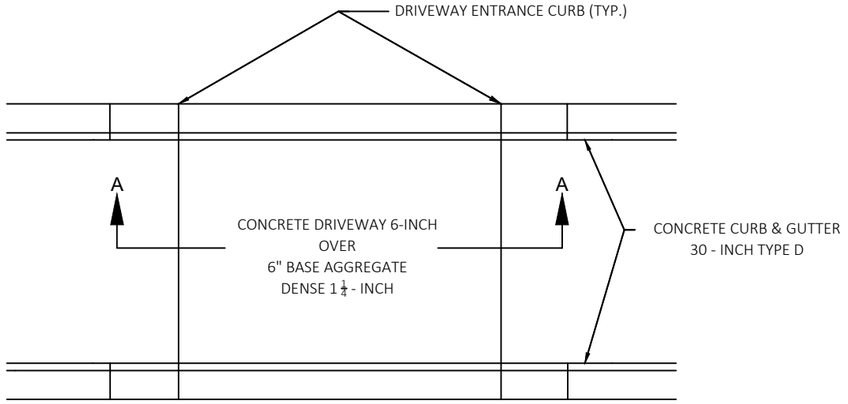
(1) CORE HOLES SHALL PROVIDE FOR A MINIMUM OF 2" OF CONCRETE BETWEEN THE CUTOUT FOR A CONCRETE PIPE AND THE EDGE OF THE CORE HOLE.
(2) CORE HOLES MAY HAVE 0" CLEARANCE FROM THE INSIDE WALLS OF A STRUCTURE.

CROSS-SECTION VIEW

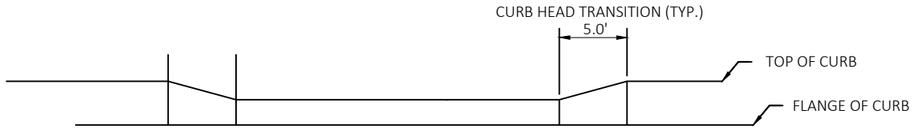
TYPICAL INLET IN SUMP CONDITION WITH UNDERDRAIN CORED INTO WALL WITH PIPE FOUND AT FLANKING INLETS NEAR LOWPOINTS

TYPICAL INLET CONFIGURATION WITH UNDERDRAIN CORED INTO WALL WITH NO PIPE FOUND AT LOW POINTS WITHOUT FLANKING INLETS

UNDERDRAIN PIPE



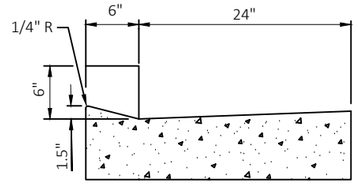
PLAN VIEW



SECTION A-A

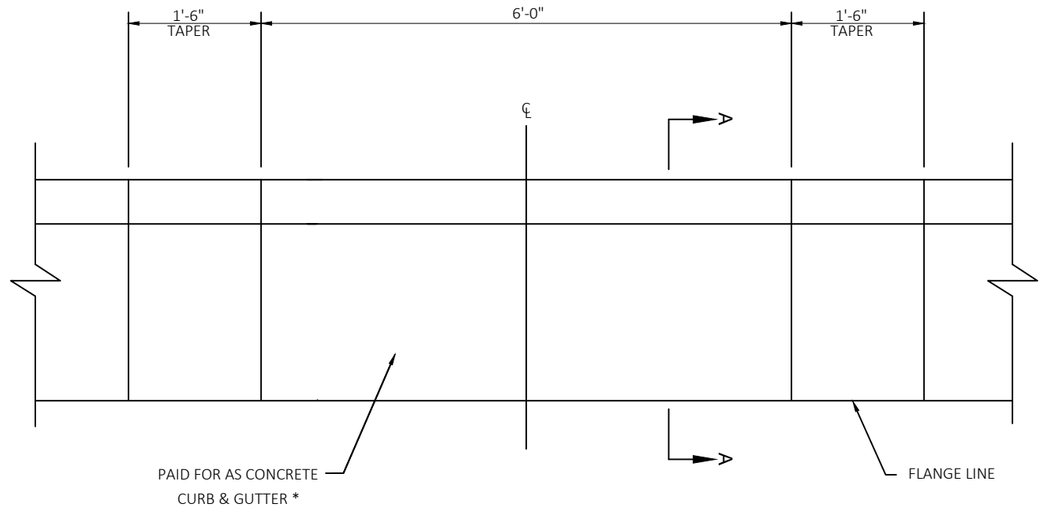
MEDIAN OPENING

STA. 289+30.49 'EB'
STA 339+40.98 'EB'
STA 345+24.93 'EB'
STA 387+63.72 'EB'
STA 78+48.93 'K'
STA 78+89.35 'K'
STA 82+10.03 'K'

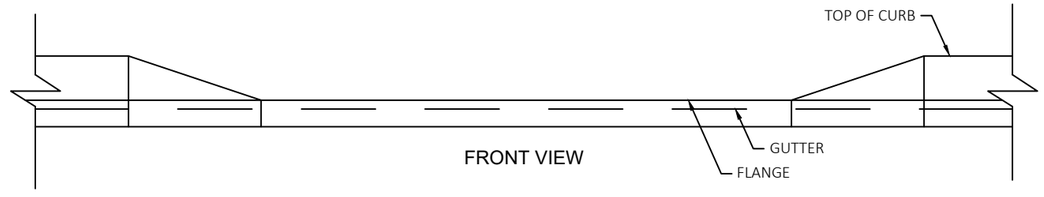


END VIEW

SECTION A-A



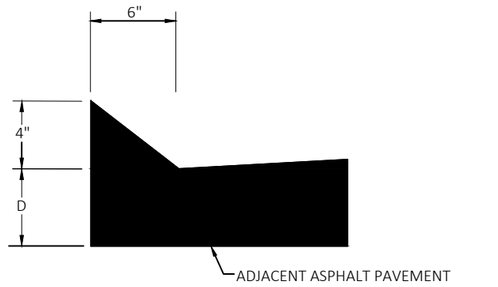
PLAN VIEW



FRONT VIEW

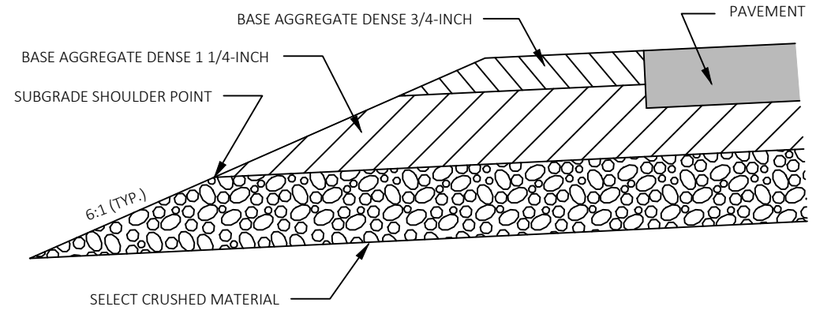
MAINTENANCE OPENING DETAIL

LOCATIONS SHOWN ON PLAN DETAILS



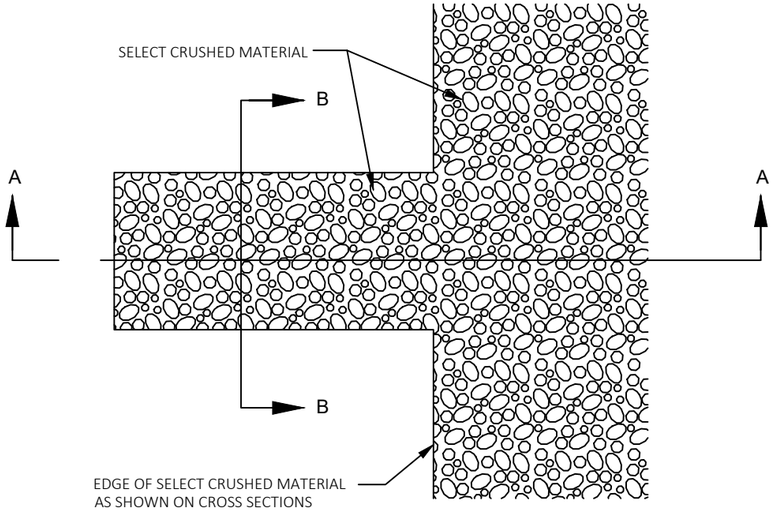
D = DEPTH OF ADJACENT ASPHALT PAVEMENT

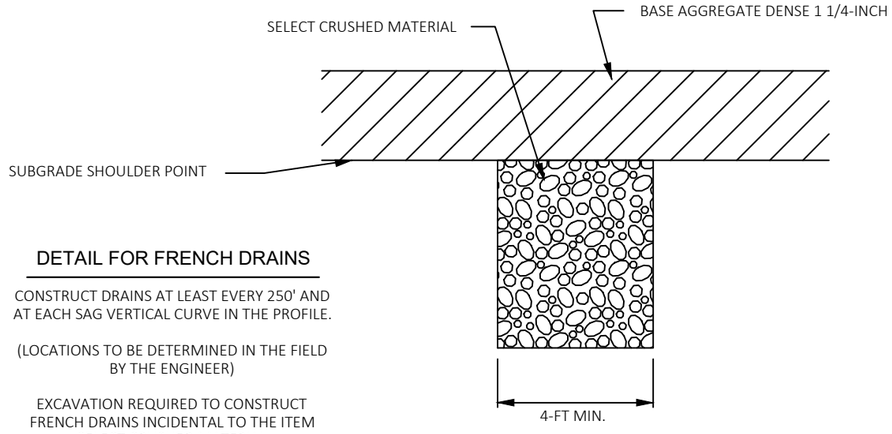
TEMPORARY ASPHALTIC CURB DETAIL



SECTION A-A

SECTION B-B



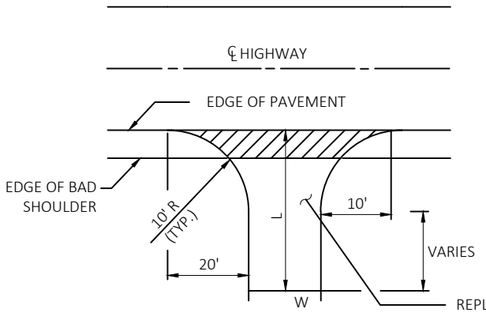


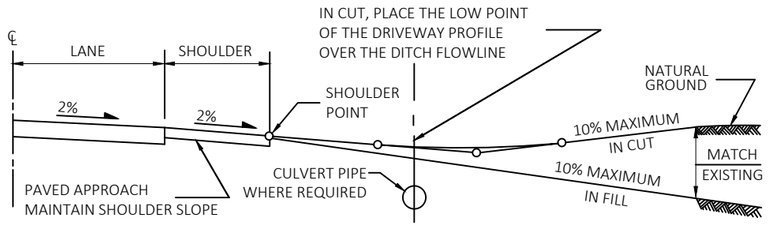
DETAIL FOR FRENCH DRAINS

CONSTRUCT DRAINS AT LEAST EVERY 250' AND AT EACH SAG VERTICAL CURVE IN THE PROFILE.

(LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER)

EXCAVATION REQUIRED TO CONSTRUCT FRENCH DRAINS INCIDENTAL TO THE ITEM SELECT CRUSHED MATERIAL





PROFILE VIEW

* PAVED DRIVEWAYS ONLY

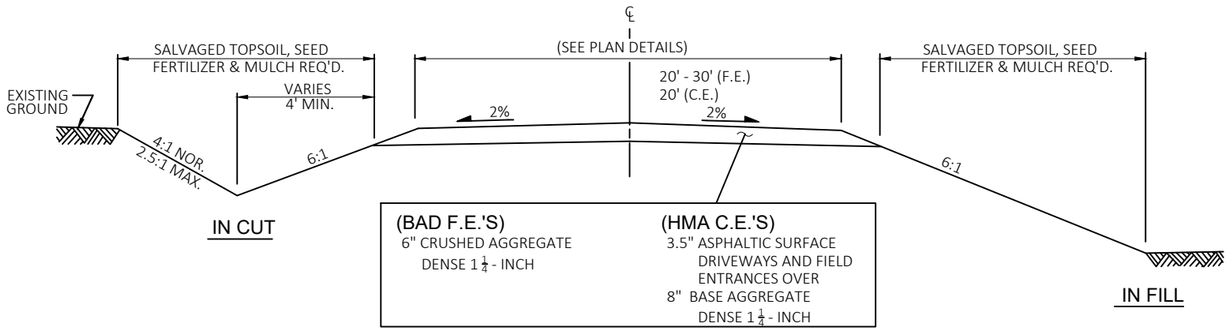
L = VARIABLE LENGTH, SEE PLANS AND CROSS SECTIONS, EXACT LENGTH AS DIRECTED BY THE ENGINEER

W = WIDTH

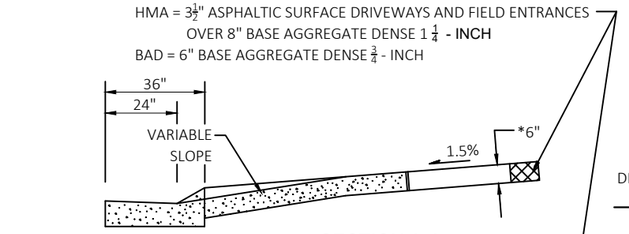
PLAN VIEW

(UNPAVED SHOULDER)

TYPICAL DRIVEWAY DETAIL



TYPICAL SECTION FOR RURAL DRIVEWAY

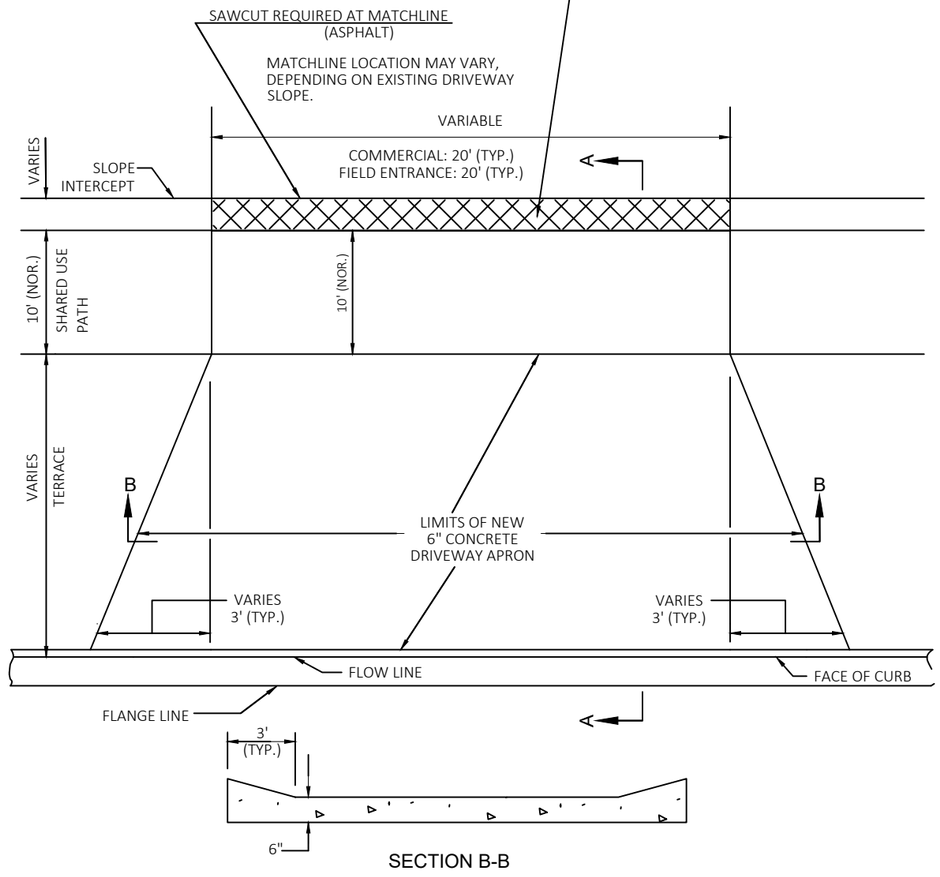


SECTION A-A

DRIVEWAY CONSTRUCTION NOTES:

HEAVY LINE INDICATES ½" EXPANSION JOINT MATERIAL.

* UNLESS OTHERWISE NOTED ON PLAN PROVIDE CONTRACTION JOINT FOR CONCRETE DRIVEWAYS WIDER THAN 14 FEET

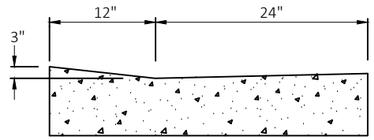


SECTION B-B

CONCRETE DRIVEWAY DETAIL

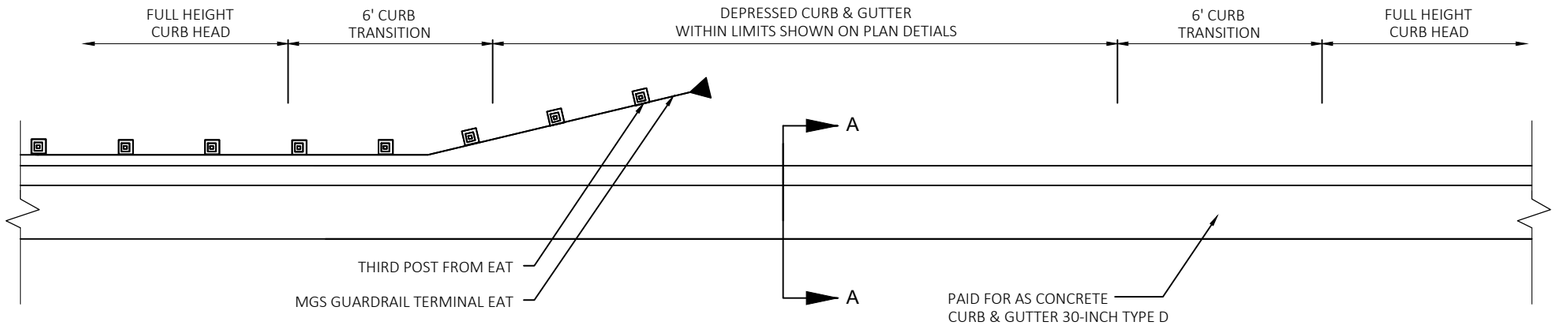
(ADJACENT TO SIDEWALK)

2



SECTION A-A

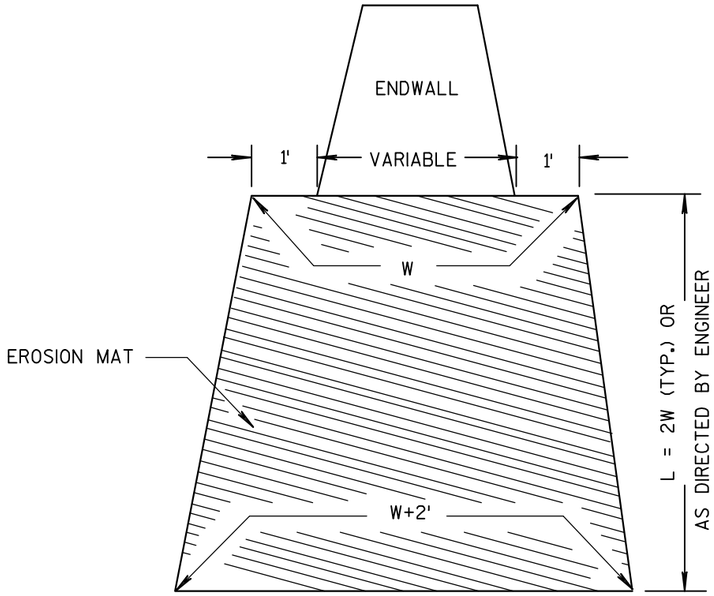
DEPRESSED CURB



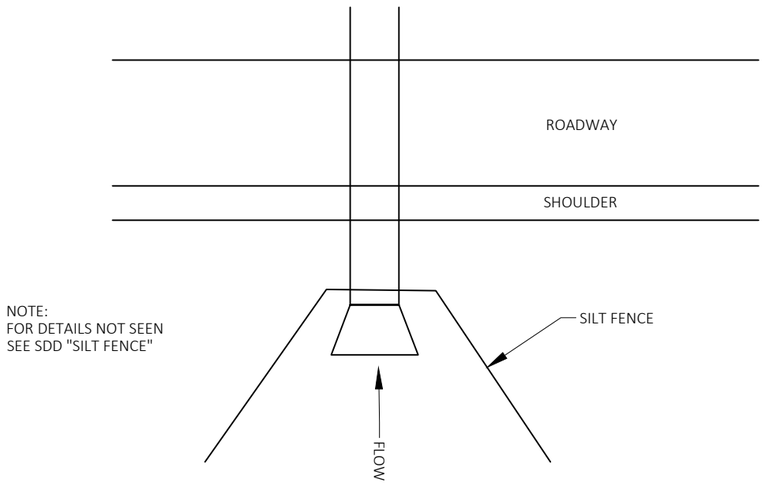
DEPRESSED CURB HEAD AT BEAM GUARD TERMINAL

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0 - 2	2 - 6	6 & OVER	0 - 2	2 - 6	6 & OVER	0 - 2	2 - 6	6 & OVER	0 - 2	2 - 6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP-TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE-TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	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											

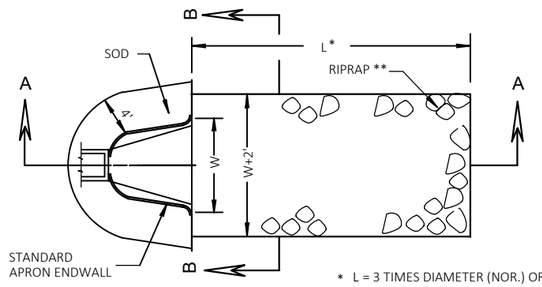
TOTAL PROJECT AREA = 78 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 60 ACRES



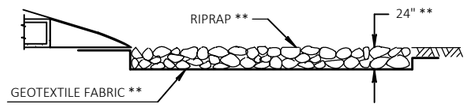
EROSION MAT TREATMENT AT CULVERTS



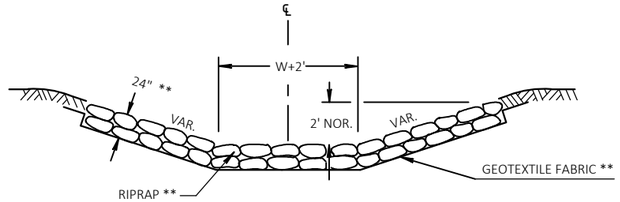
TYPICAL SILT FENCE DETAIL AT PIPE INLET
(SEE EROSION CONTROL PLAN FOR LOCATIONS)



* L = 3 TIMES DIAMETER (NOR.) OR 10' MIN. OR AS DIRECTED BY THE ENGINEER



SECTION A-A

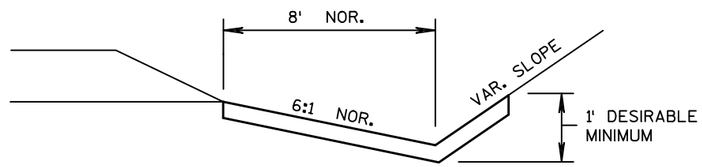


SECTION B-B

** FOR RIPRAP HEAVY, USE 24" DEPTH AND GEOTEXTILE FABRIC TYPE HR

FOR RIPRAP MEDIUM, USE 18" DEPTH AND GEOTEXTILE FABRIC TYPE R

RIPRAP AND GEOTEXTILE FABRIC DETAIL
AT APRON ENDWALLS

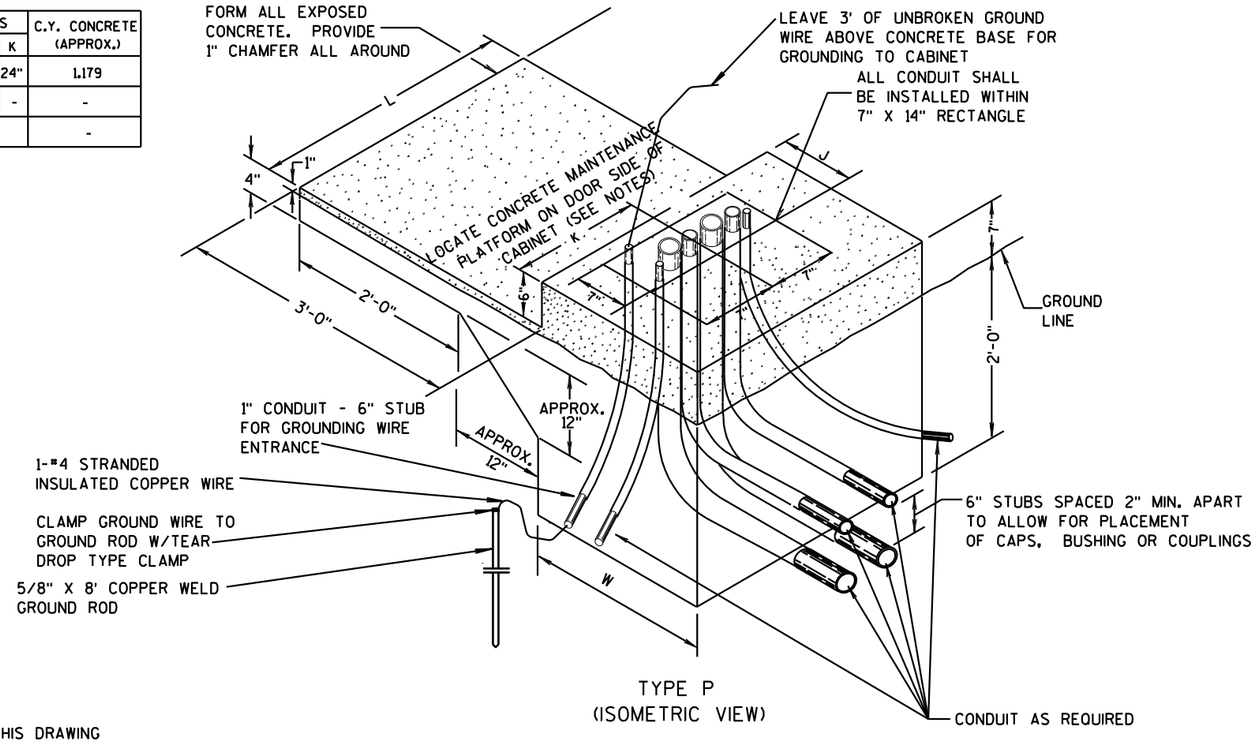


EROSION MAT DETAIL FOR DITCHES

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 26	E

2

CONCRETE BASE TYPE	DIMENSIONS				C.Y. CONCRETE (APPROX.)
	L	W	J	K	
TYPE P	48"	30"	16"	24"	1.179
TYPE P MODIFIED	-	-	-	-	-
TYPE OTHER	-				-



GENERAL NOTES

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

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.

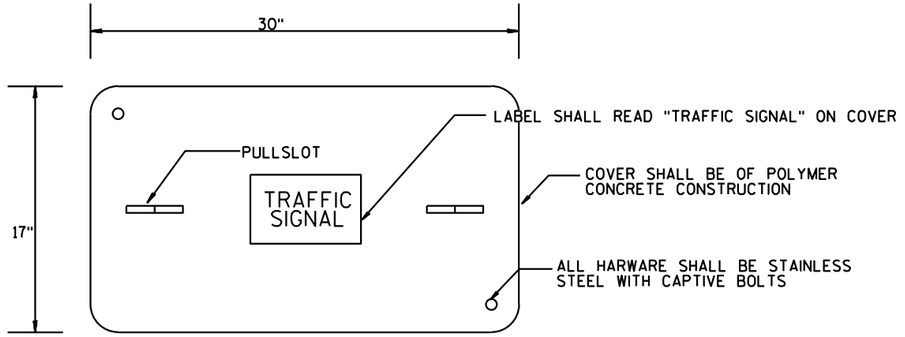
ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

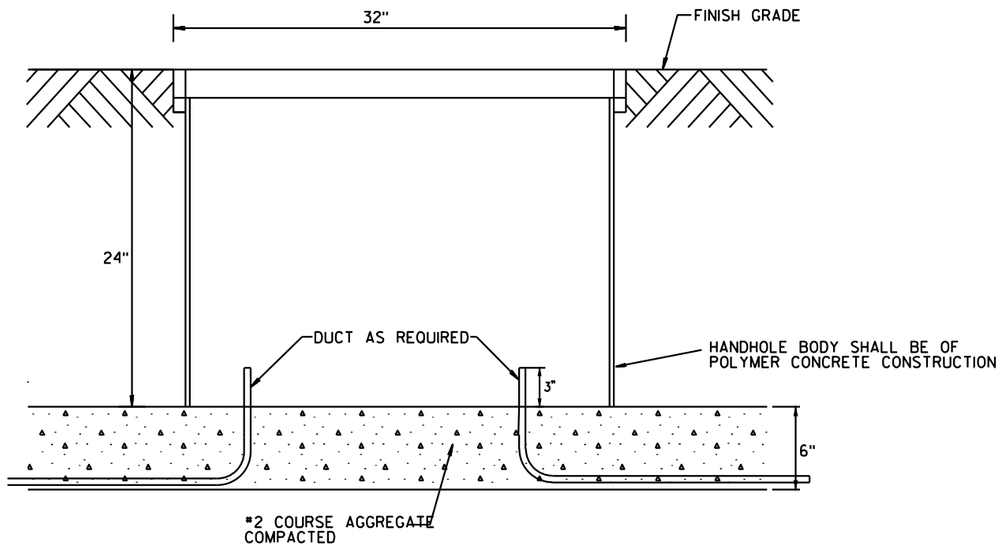
CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MINIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

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

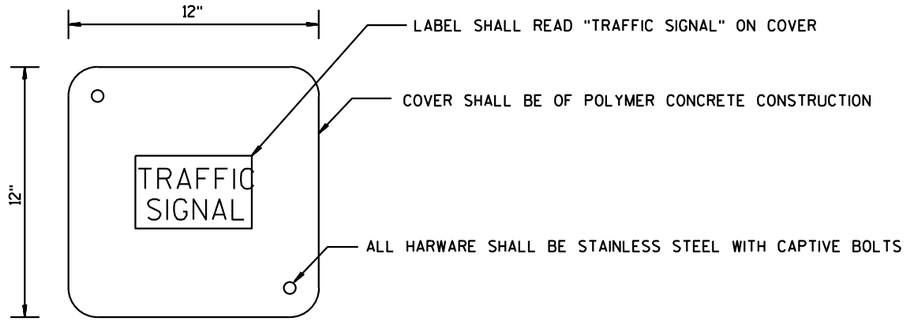
MAINTENANCE PLATFORM SIZE MAY VARY ON ACCOUNT OF CONDITIONS. VERIFY THE MAINTENANCE PLATFORM SIZE WITH ENGINEER PRIOR TO POURING BASE.

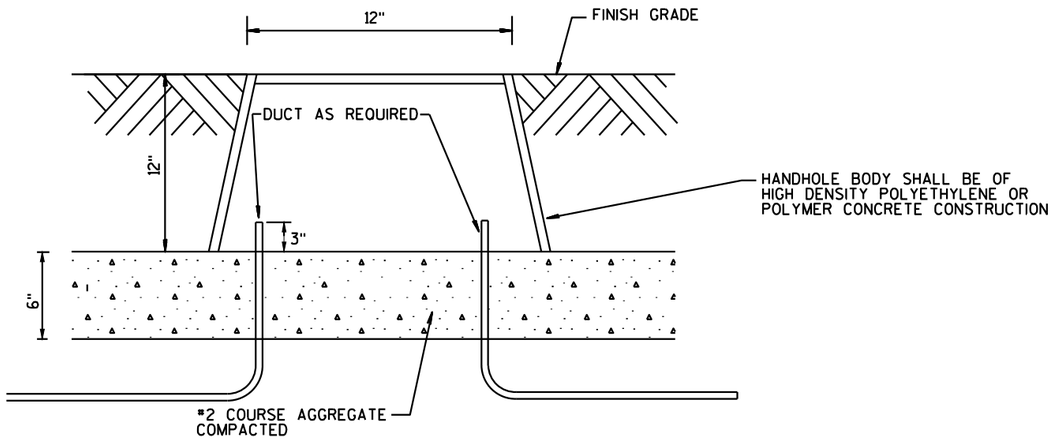
CONCRETE BASE TYPE P DETAIL





ELECTRICAL PULL BOX TYPE 1 DETAIL

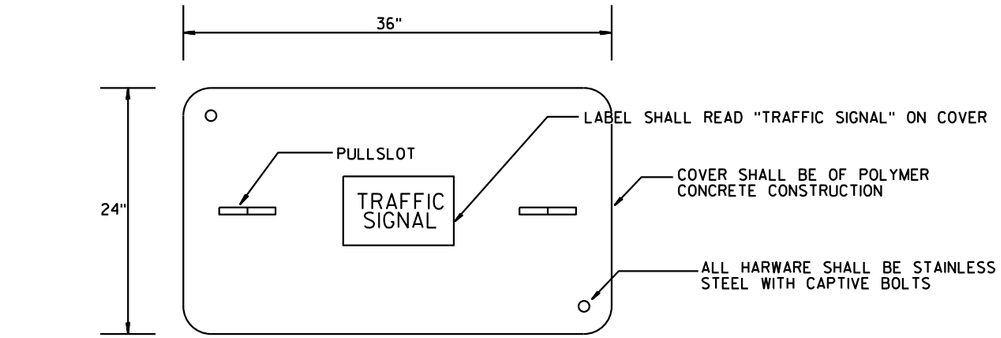


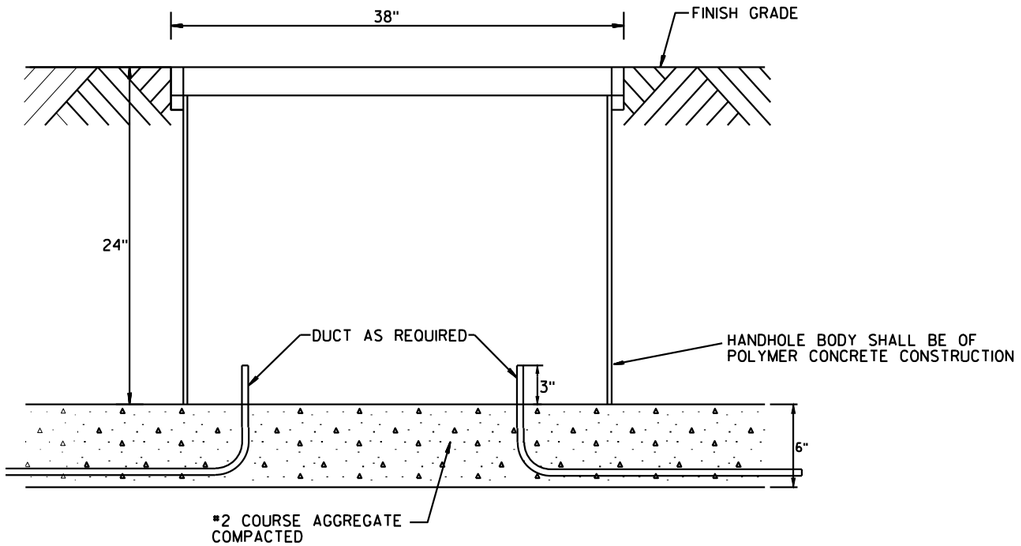


ELECTRICAL PULL BOX TYPE 3 DETAIL

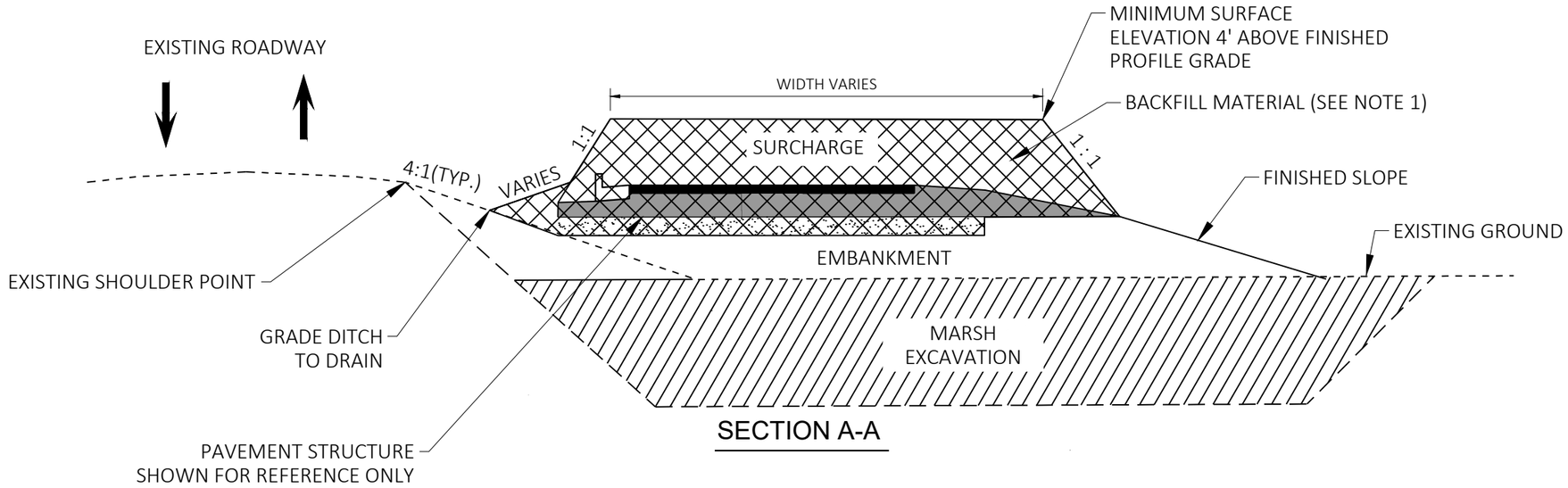
2

2





ELECTRICAL PULL BOX TYPE 5 DETAIL

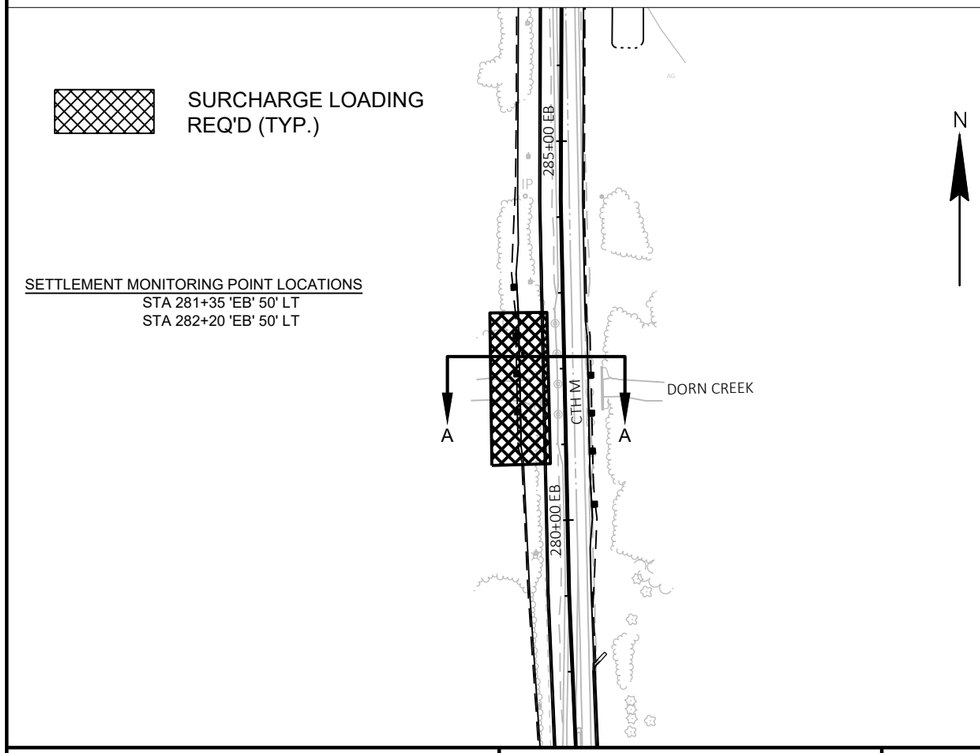


SECTION A-A

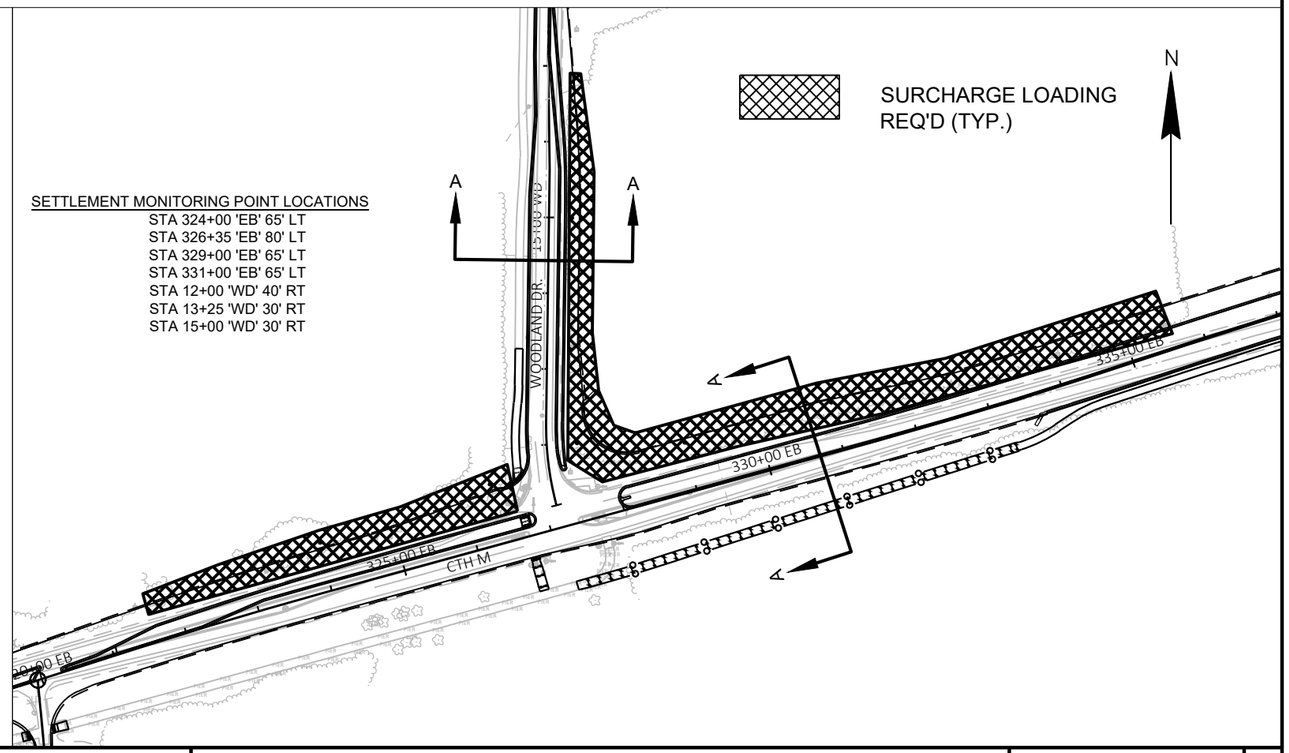
NOTE:
1. USE OF ON-SITE MATERIAL IS ACCEPTABLE AS BACKFILL MATERIAL. BACKFILL MATERIAL SHALL BE FREE OF SOFT AND ORGANIC SOILS AND SHALL BE GRANULAR IN NATURE. BACKFILL MATERIAL SHALL BE VISUALLY APPROVED BY THE ENGINEER..
2. SETTLEMENT UP TO 3" ANTICIPATED AT DORN CREEK AREA (STA 280+75-282+75 EB).
3. SETTLEMENT UP TO 11" ANTICIPATED AT WOODLAND DRIVE AREA (STA 322+00-335+50 EB & 12+00-16+75 'WD').
4. COVER SURCHARGE MATERIAL WITH POLY SHEETING OVER WINTER.

SURCHARGE LOADING

STA 280+75 - 282+75 'EB'
STA 322+00 - 326+50 'EB'
STA 327+50 - 335+00 'EB'
STA 12+00 - 16+75 'WD'



SETTLEMENT MONITORING POINT LOCATIONS
STA 281+35 'EB' 50' LT
STA 282+20 'EB' 50' LT



SETTLEMENT MONITORING POINT LOCATIONS
STA 324+00 'EB' 65' LT
STA 326+35 'EB' 80' LT
STA 329+00 'EB' 65' LT
STA 331+00 'EB' 65' LT
STA 12+00 'WD' 40' RT
STA 13+25 'WD' 30' RT
STA 15+00 'WD' 30' RT

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 30	E

2

N

MARSH EXCAVATION AND
SURCHARGE LOADING

FILL VOIDS AROUND TEMPORARY CULVERT AND
EXISTING BOX CULVERT TO PREVENT FILL MATERIAL
FROM ENTERING BOX CULVERT. PAYMENT INCIDENTAL
TO TEMPORARY CULVERT BID ITEM.

CULVERT PIPE TEMPORARY 84-INCH
60 LF REQUIRED

STA 281+96 'EB'
107 LT

DORN CREEK

STA 281+73.3 'EB'
100 LT

TEMPORARY SHORING
STA 281+72.7

REMOVE EXISTING
APRON ENDWALL BEFORE
INSTALLING TEMPORARY CULVERT

USGS GAUGE STATION
TO BE REMOVED BY OTHERS

282+00 'WB'

282+00 'EB'

CTH M

10'

STA 281+72.8 'EB'
30 LT

INSTALL SANDBAG TO PREVENT
BACK FLOW DURING STAGE A
(INCIDENTAL TO TEMPORARY CULVERT BID ITEM)

EXISTING B-13-601
10'(WIDE) X8'(HIGH) DOUBLE CELL BOX CULVERT
(TO REMAIN)

EXISTING R/W

281+00 'WB'

281+00 'EB'

STAGE 1-A

(FALL 2023)

PRW

N

NOTE: REMOVE COFFERDAM ONCE BOTH CULVERTS
ARE INSTALLED FOR OVER WINTER SURCHARGE LOADING

STAGE 1-B

(FALL 2023)

FILL VOIDS AROUND TEMPORARY CULVERT AND
EXISTING BOX CULVERT TO PREVENT FILL MATERIAL
FROM ENTERING BOX CULVERT. PAYMENT INCIDENTAL
TO TEMPORARY CULVERT BID ITEM.

EXISTING R/W

CULVERT PIPE TEMPORARY 84-INCH
60 LF REQUIRED

REMOVE EXISTING
APRON ENDWALL BEFORE
INSTALLING TEMPORARY CULVERT

COFFERDAM
FROM STAGE A

282+00 'WB'

282+00 'EB'

3'

10'

DORN CREEK

STA 281+50 'EB'
109 LT

TEMPORARY SHORING
STA 281+72.7

PROVIDE GAP TO ALLOW CONSTRUCTION
STAGING OF BOX CULVERT EXTENSION.

INSTALL SANDBAG TO PREVENT
BACK FLOW DURING STAGE B
(INCIDENTAL TO TEMPORARY CULVERT BID ITEM)

MARSH EXCAVATION AND
SURCHARGE LOADING

281+00 'WB'

281+00 'EB'

2

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CONSTRUCTION DETAIL - B-13-601 EXTENSION STAGING	SHEET 31	E

FILE NAME : \\KL1-FS02\DATA1\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021001-CD-CULVERT STAGING.DWG
LAYOUT NAME - Stage A & B

PLOT DATE : 4/10/2023 4:15 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

N

NOTE: BOX CULVERT EXTENSION CAN BEGIN ONCE SURCHARGE LOADING IS COMPLETED

STAGE 1-C

(SUMMER 2024)

INSTALL SANDBAG TO PREVENT BACK FLOW DURING STAGE C (INCIDENTAL TO TEMPORARY CULVERT BID ITEM)

EXISTING R/W

282+00 'WB'

282+00 'EB'

DORN CREEK

TEMPORARY CULVERT FROM STAGE B

COFFERDAM B-13-601 (SEE STRUCTURE PLANS B-13-601)

CONSTRUCTION JOINT (SEE STRUCTURE PLANS B-13-601)

281+00 'WB'

281+00 'EB'

PRW

N

STAGE 1-D

(SUMMER 2024)

INSTALL SANDBAG TO PREVENT BACK FLOW DURING STAGE D (INCIDENTAL TO TEMPORARY CULVERT BID ITEM)

EXISTING R/W

282+00 'WB'

282+00 'EB'

DORN CREEK

COFFERDAM B-13-601 (SEE STRUCTURE PLANS B-13-601)

281+00 'WB'

281+00 'EB'

2

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CONSTRUCTION DETAILS - B-13-601 EXTENSION STAGING	SHEET 32	E

FILE NAME : \\KL1-FS02\DATA1\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021001-CD-CULVERT STAGING.DWG
LAYOUT NAME - Stage C&D

PLOT DATE : 4/10/2023 4:15 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT

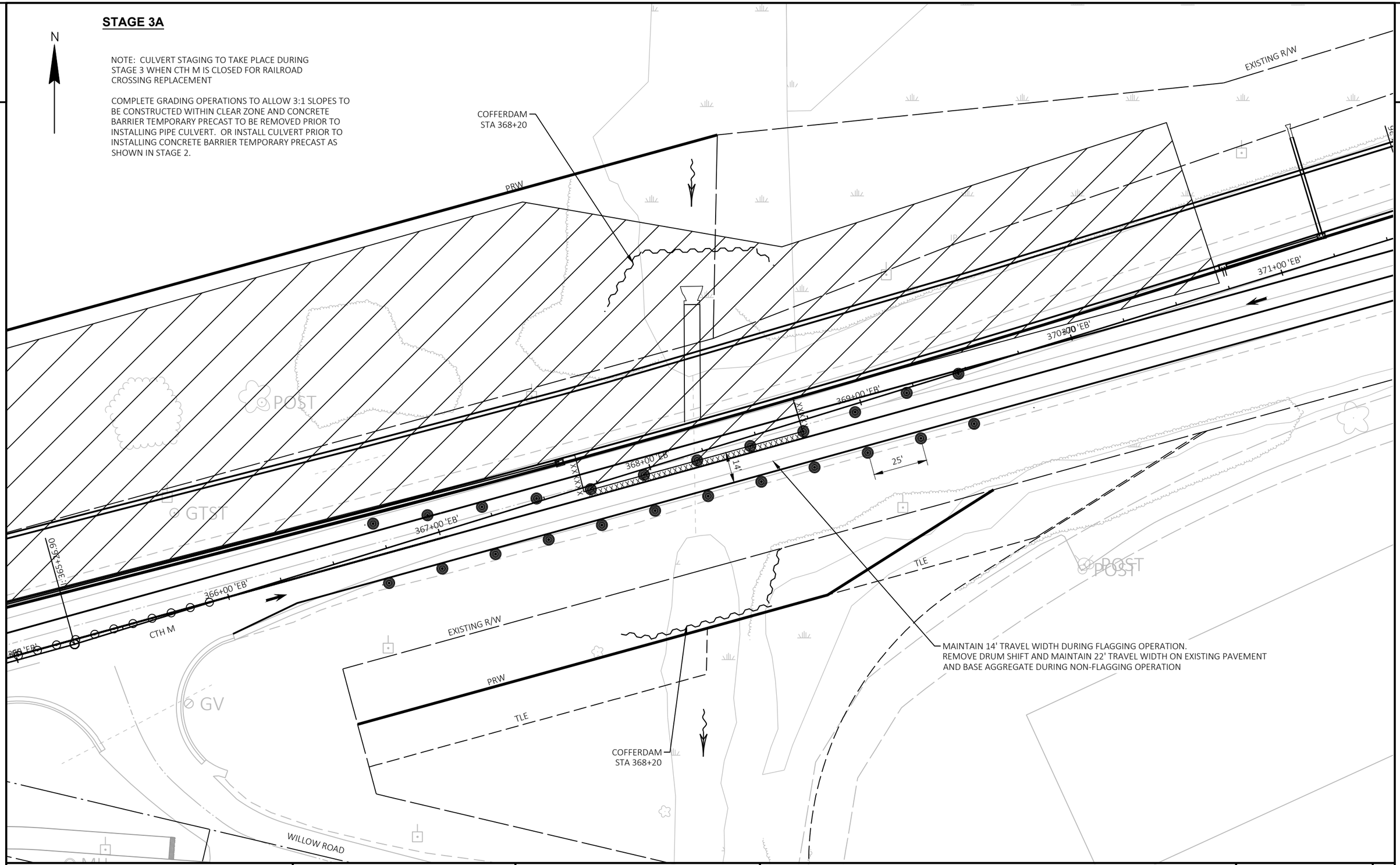
WISDOT/CADDS SHEET 42

STAGE 3A

N

NOTE: CULVERT STAGING TO TAKE PLACE DURING STAGE 3 WHEN CTH M IS CLOSED FOR RAILROAD CROSSING REPLACEMENT

COMPLETE GRADING OPERATIONS TO ALLOW 3:1 SLOPES TO BE CONSTRUCTED WITHIN CLEAR ZONE AND CONCRETE BARRIER TEMPORARY PRECAST TO BE REMOVED PRIOR TO INSTALLING PIPE CULVERT. OR INSTALL CULVERT PRIOR TO INSTALLING CONCRETE BARRIER TEMPORARY PRECAST AS SHOWN IN STAGE 2.



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CONSTRUCTION DETAILS: CULVERT STAGING	SHEET 33	E

FILE NAME : \\KL1-FS02\DATA1\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021001-CD-CULVERT STAGING.DWG
LAYOUT NAME - Culvert

PLOT DATE : 4/10/2023 4:16 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

STAGE 3B

N

MAINTAIN 22' TRAVEL LANE WIDTH
ON BASE AGGREGATE DENSE

5.5:1 TAPER LENGTH

5.5:1 TAPER LENGTH

PRW

EXISTING R/W

25'

365+00 'EB'

366+00 'EB'

367+00 'EB'

368+00 'EB'

369+00 'EB'

370+00 'EB'

371+00 'EB'

CTH M

GTST

GV

MH

POST

JP

TLE

WO1-6
48" X 24"

TYPE III BARRICADE

WO1-6
48" X 24"

TYPE III BARRICADE

REMOVE TEMPORARY PAVEMENT MARKING
IF LANE SHIFT IS IN PLACE FOR MORE
THAN 4 CONTINUOUS DAYS AND NIGHTS.

ASPHALTIC SURFACE TEMPORARY 5-INCH
OVER 12-INCH BASE AGGREGATE DENSE 1 1/4-INCH

REPLACE TEMPORARY PAVEMENT MARKING

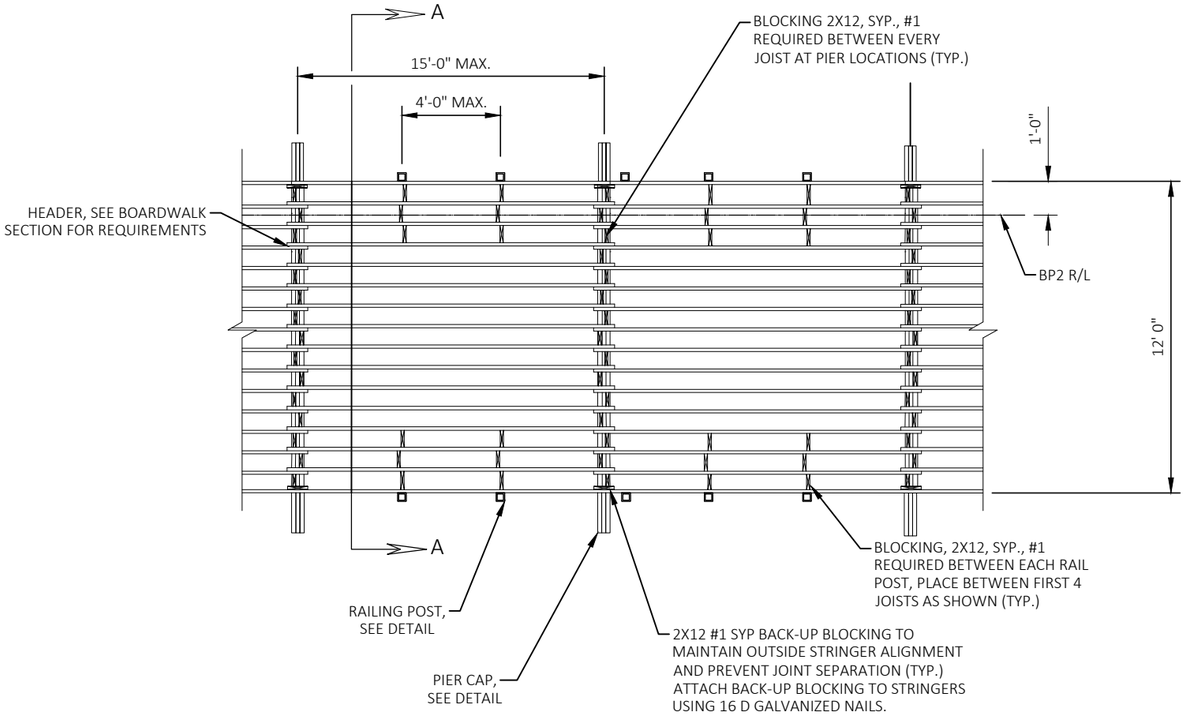
WILLOW ROAD

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CONSTRUCTION DETAILS: CULVERT STAGING	SHEET 34	E

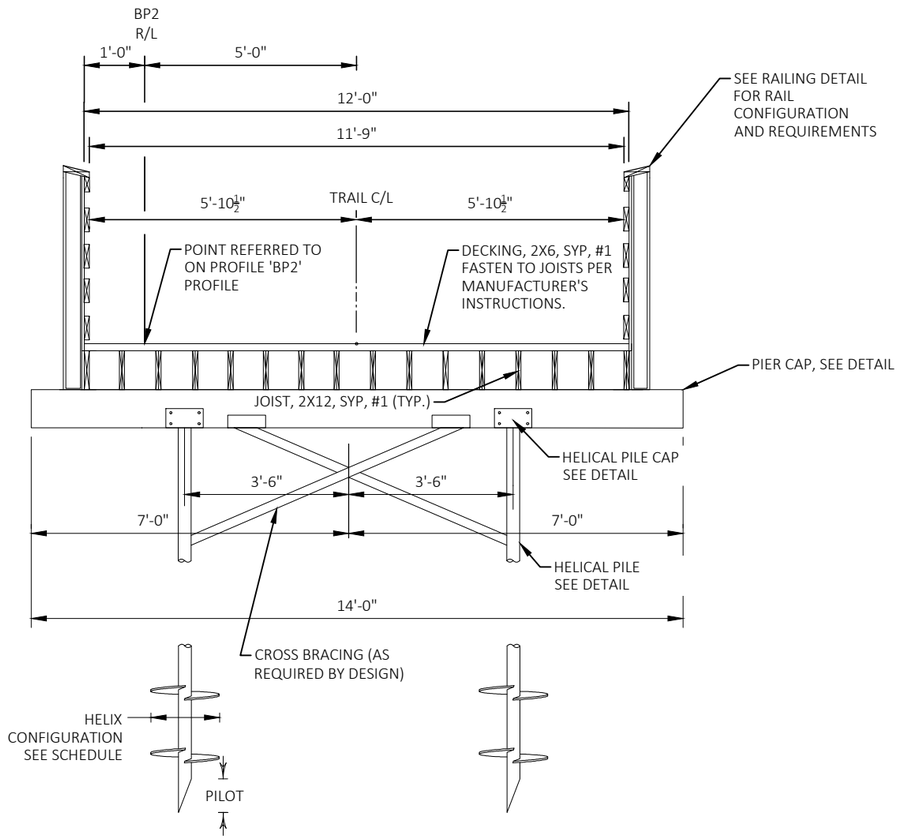
FILE NAME : \\KL1-FS02\DATA1\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021001-CD-CULVERT STAGING.DWG
LAYOUT NAME - Culvert (2)

PLOT DATE : 4/10/2023 4:16 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



TYPICAL BOARDWALK PLAN



SECTION A-A

BOARDWALK SECTION

(LOOKING SOUTH OR EAST)

DESIGN DATA

LIVE LOAD:

VEHICLE DESIGN LOAD:	H-5
PEDESTRIAN DESIGN LOAD:	90 PSF

GENERAL NOTES:

1. LUMBER FOR PIER CAPS SHALL BE NO. 1 DOUGLAS FIR. TREAT WITH COPPER NAPHTHENATE (QNAP) TO MEET UC4B IN ACCORDANCE WITH AASHTO M133. PEIR CAP LUMBER SHALL BE CUT TO LENGTH PRIOR TO TREATING.

2. TREAT ITEMS AS FOLLOWS:

JOISTS: SOUTHERN YELLOW PINE OR DOUGLAS FIR WITH COPPER NAPHTHENATE (QNAP) MEETING REQUIREMENTS OF UC4B IN ACCORDANCE WITH AASHTO M133.

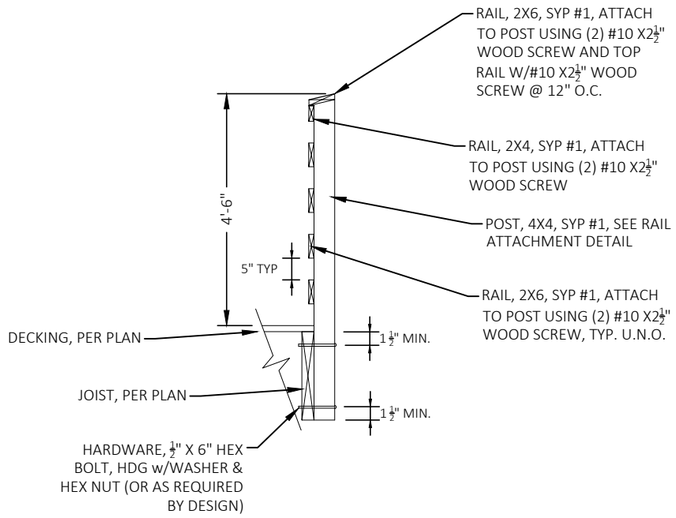
RAIL POSTS: SOUTHER YELLOW PINE OR DOUGLAS FIR WITH COPPER NAPHTHENATE (QNAP) MEETING REQUIREMENTS OF UCB4B IN ACCORDANCE WITH AASHTO M133.

HORIZONTAL RAILINGS: SOUTHERN YELLOW PINE WITH MCA OR DOUGLAS FIR WITH COPPER AZOLEE (CA-C) MEETING REQUIREMENTS OFUC4A IN ACCORDANCE WITH AASHTO M133.

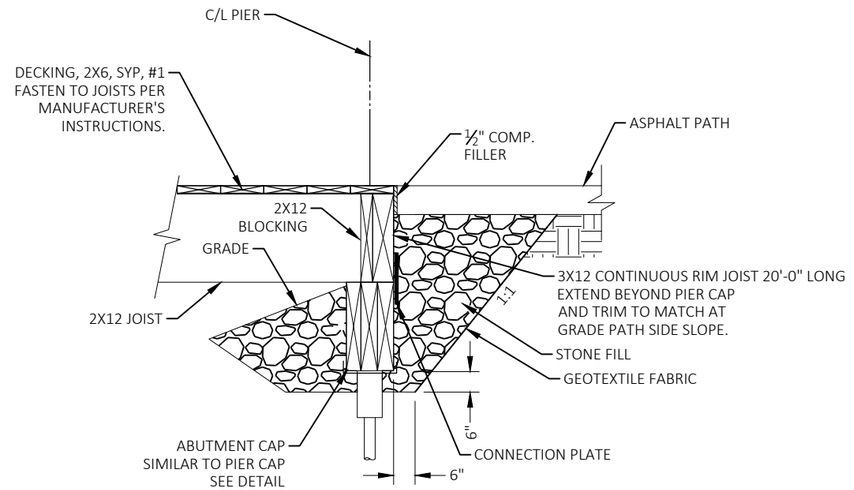
DECKING: SOUTHERN YELLOW PINE WITH COPPER NAPHTHENATE (QNAP) MEETING REQUIREMENTS OF UC4B IN ACCORDANCE WITH AASHTO M133.

FIELD CUTS, HOLES, ETC: FIELD APPLY TREATMENT AS NOTED ABOVE FOR VARIOUS TIMBER ELEMENTS.

2

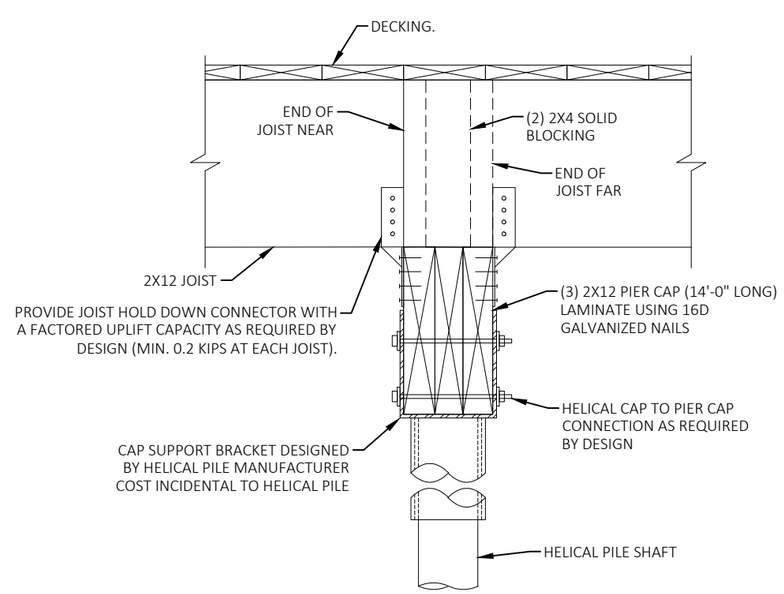


BOARDWALK RAILING DETAIL

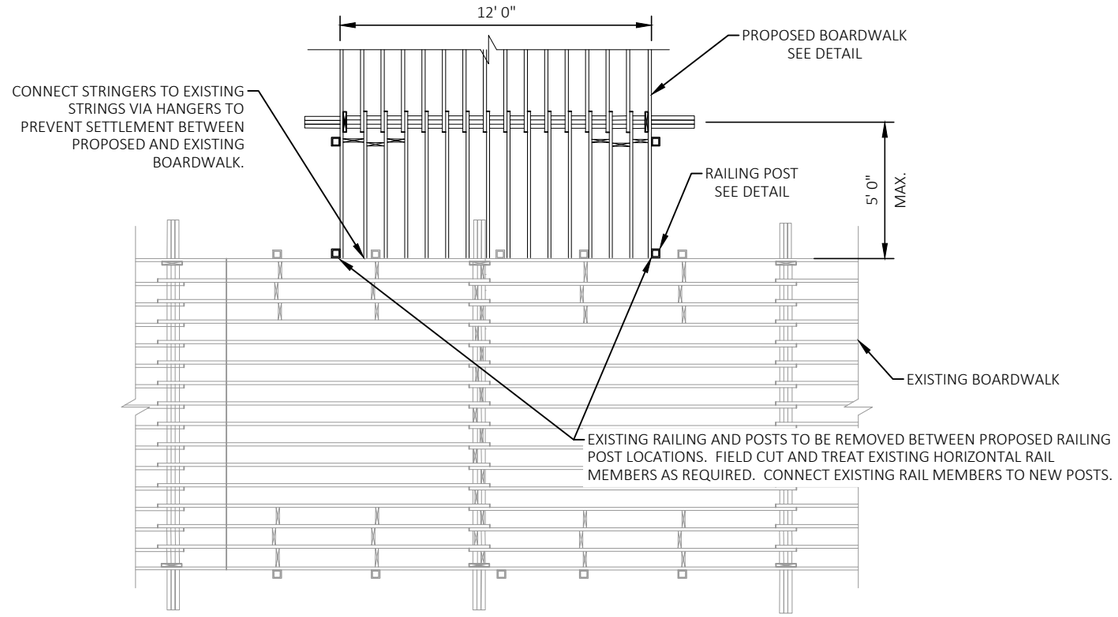


ASPHALT TO BOARDWALK TRANSITION

STA. 326+42.17 'BP2'
STA. 333+21.5 'BP2'

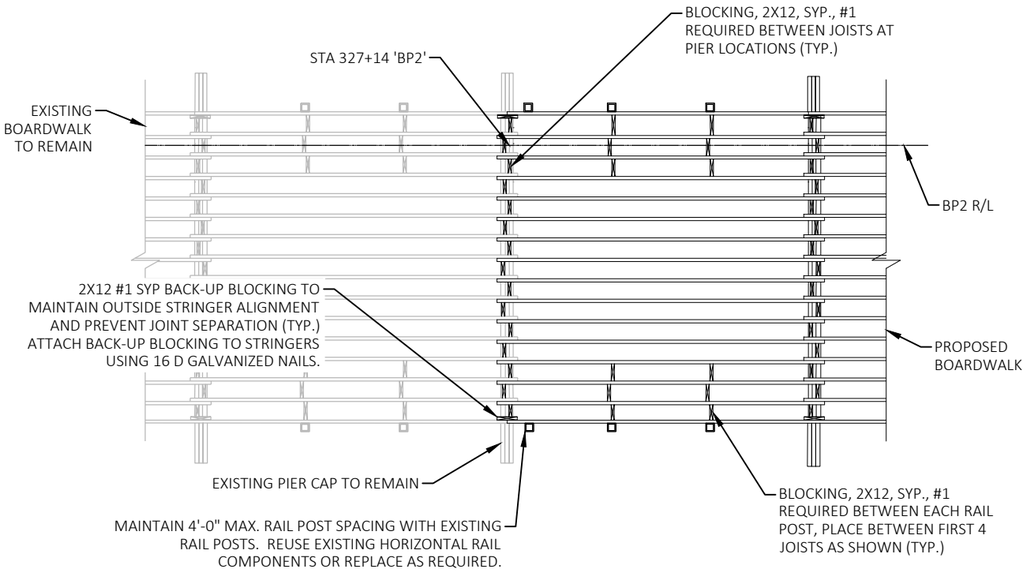


PIER CAP DETAIL



PLAN - 90 DEGREE CONNECTION

(STA 326+74.15 BP2)



MATCH EXISTING BOARDWALK PLAN

(STA 327+14 BP2)

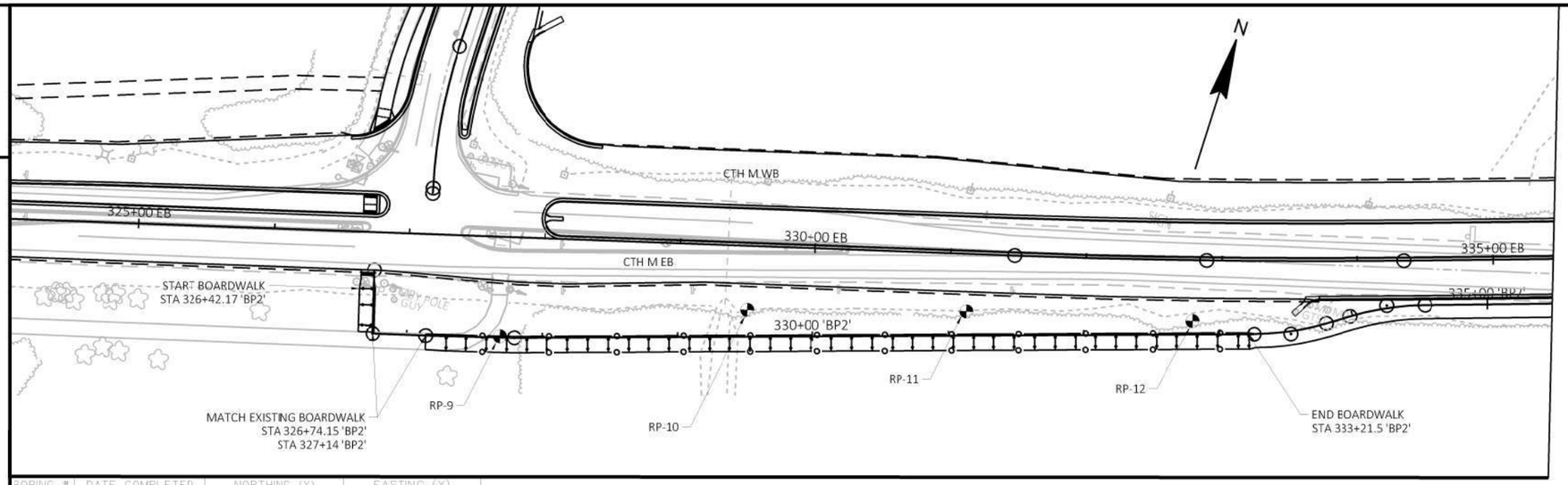
BOARDWALK - HELICAL PIPE SCHEDULE ★

POINT NUMBER	STATION	PATH PROFILE ELEV.	BOTTOM OF PILE CAP ELEV.	APPROX. EXISTING GRADE ELEV.	FACTORED PILE AXIAL LOAD (KIPS)	◐ APPROXIMATE PILE LENGTH (FT)	REQUIRED NO. OF PILES	APPROXIMATE HELIX CONFIGURATION
1	326+42.17	859.63	857.59	857.30	30	28	2	12 IN / 10 IN
2	326+55.66	859.08	857.04	853.70	30	31	2	12 IN / 10 IN
3	326+69.15	858.53	856.49	854.50	30	30	2	12 IN / 10 IN
4	327+14.00	858.40	856.36	854.60				
5	327+29.00	858.41	856.37	854.75	30	30	2	12 IN / 10 IN
6	327+44.00	858.43	856.39	854.92	30	29	2	12 IN / 10 IN
7	327+59.00	858.44	856.40	854.96	30	29	2	12 IN / 10 IN
8	327+74.00	858.46	856.42	855.01	30	29	2	12 IN / 10 IN
9	327+89.00	858.47	856.43	854.95	30	29	2	12 IN / 10 IN
10	328+04.00	858.49	856.45	855.30	30	29	2	12 IN / 10 IN
11	328+19.00	858.50	856.46	855.61	30	29	2	12 IN / 10 IN
12	328+34.00	858.52	856.48	855.45	30	29	2	12 IN / 10 IN
13	328+49.00	858.53	856.49	855.50	30	29	2	12 IN / 10 IN
14	328+64.00	858.55	856.51	855.52	30	29	2	12 IN / 10 IN
15	328+79.00	858.56	856.52	855.48	30	29	2	12 IN / 10 IN
16	328+94.00	858.58	856.54	855.42	30	29	2	12 IN / 10 IN
17	329+09.00	858.59	856.55	855.43	30	29	2	12 IN / 10 IN
18	329+24.00	858.61	856.57	854.20	30	30	2	12 IN / 10 IN
19	329+39.00	858.62	856.58	853.80	30	31	2	12 IN / 10 IN
20	329+54.00	858.64	856.60	855.56	30	29	2	12 IN / 10 IN
21	329+69.00	858.65	856.61	855.60	30	29	2	12 IN / 10 IN
22	329+84.00	858.67	856.63	855.70	30	29	2	12 IN / 10 IN
23	329+99.00	858.68	856.64	855.86	30	29	2	12 IN / 10 IN
24	330+14.00	858.70	856.65	855.90	30	29	2	12 IN / 10 IN
25	330+29.00	858.71	856.67	856.00	30	29	2	12 IN / 10 IN
26	330+44.00	858.73	856.68	855.61	30	24	2	12 IN / 10 IN
27	330+59.00	858.74	856.70	855.63	30	24	2	12 IN / 10 IN
28	330+74.00	858.76	856.71	855.50	30	24	2	12 IN / 10 IN
29	330+89.00	858.77	856.73	856.20	30	24	2	12 IN / 10 IN
30	331+04.00	858.79	856.74	856.27	30	23	2	12 IN / 10 IN
31	331+19.00	858.80	856.76	856.20	30	24	2	12 IN / 10 IN
32	331+34.00	858.81	856.77	856.15	30	24	2	12 IN / 10 IN
33	331+49.00	858.83	856.79	856.63	30	23	2	12 IN / 10 IN
34	331+64.00	858.84	856.80	856.85	30	23	2	12 IN / 10 IN
35	331+79.00	858.86	856.82	856.80	30	23	2	12 IN / 10 IN
36	331+94.00	858.87	856.83	856.75	30	23	2	12 IN / 10 IN
37	332+09.00	858.89	856.85	856.70	30	16	2	12 IN / 10 IN
38	332+24.00	858.90	856.86	856.20	30	17	2	12 IN / 10 IN
39	332+39.00	858.92	856.88	856.50	30	16	2	12 IN / 10 IN
40	332+54.00	858.93	856.89	856.59	30	16	2	12 IN / 10 IN
41	332+69.00	858.95	856.91	856.62	30	16	2	12 IN / 10 IN
42	332+84.00	858.96	856.92	856.70	30	16	2	12 IN / 10 IN
43	332+99.00	858.98	856.94	856.92	30	16	2	12 IN / 10 IN
44	333+14.00	858.99	856.95	856.98	30	16	2	12 IN / 10 IN
45	333+21.50	859.00	856.96	857.05	30	16	2	12 IN / 10 IN

LEGEND

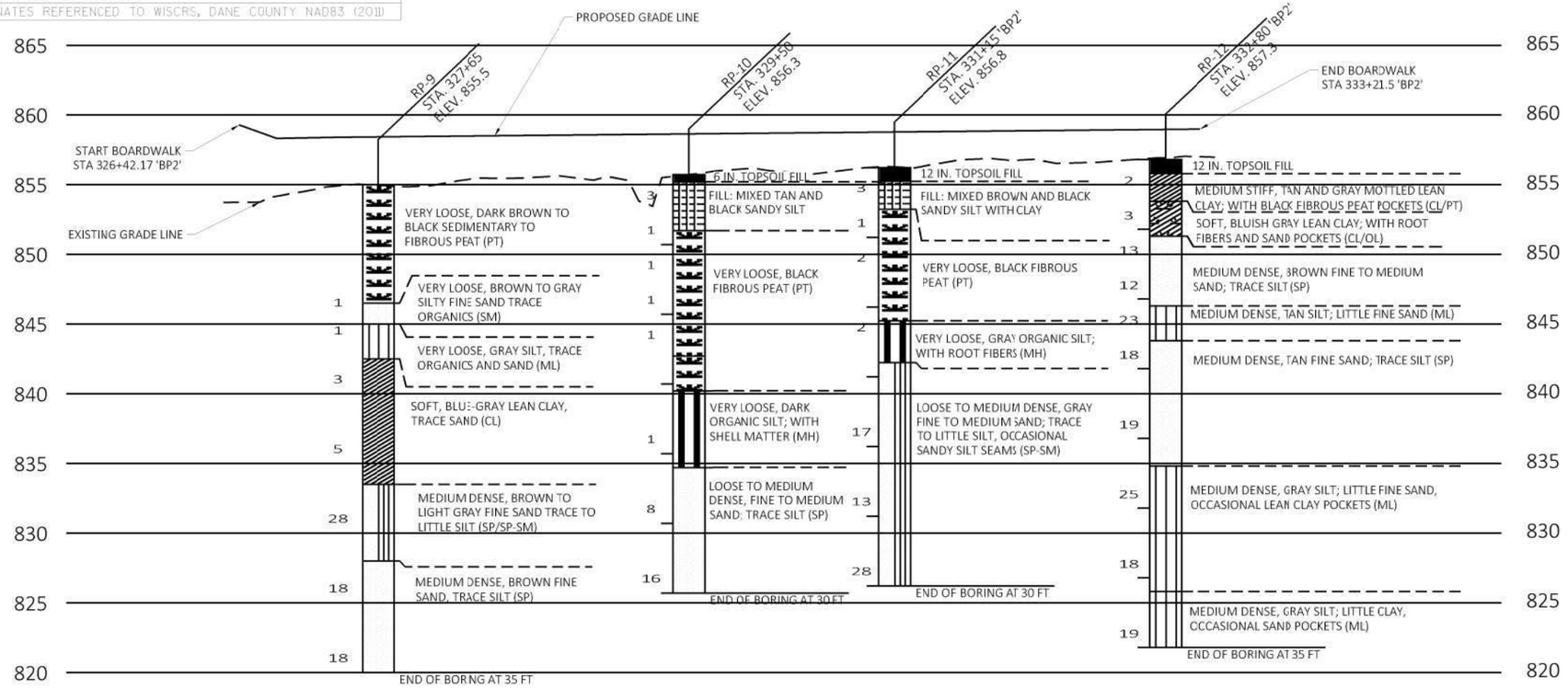
★ VALUES IN TABLE ARE ASSUMED VALUES FOR INFORMATION ONLY. COORDINATION REQUIRED BETWEEN BOARDWALK AND HELICAL PILE DESIGN AND LAYOUT.

◐ THE MINIMUM DEPTH FOR SUPPORT OF THE UPPER HELIX IS RECOMMENDED TO EXTEND THROUGH THE ORGANIC SOILS AND SOFT CLAY AND BE ESTABLISHED A SUITABLE DEPTH INTO THE UNDERLYING MEDIUM DENSE GRANULAR SOILS.



BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
RP-9	2-15-2017	509423.9069	808398.7132
RP-10	9-16-2022	509498.3415	808566.9261
RP-11	9-16-2022	509545.8003	808721.3715
RP-12	9-16-2022	509585.1432	808882.8828

BORINGS COMPLETED BY: GEOSERVE
REPORT COMPLETED BY: CGC, INC
ALL COORDINATES REFERENCED TO WISCRS, DANE COUNTY NAD83 (2011)



SOIL CLASSIFICATION

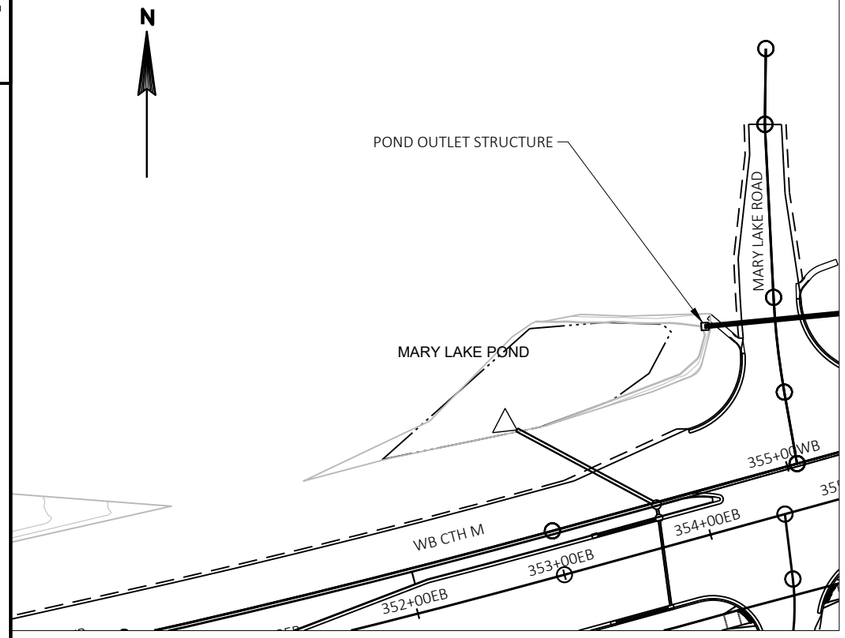
GW	WELL-GRADED GRAVELS, GRAVEL-SANDMIXTURES, LITTLE OR NO FINES
GP	POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES
GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
SW	WILL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
SP	POORLY GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
SM	SILTY SANDS, SAND-SILT MIXTURES
SC	CLAYEY SANDS, SAND-CLAY MIXTURES
ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS
CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
PT	PEAT AND OTHER HIGHLY ORGANIC SOILS

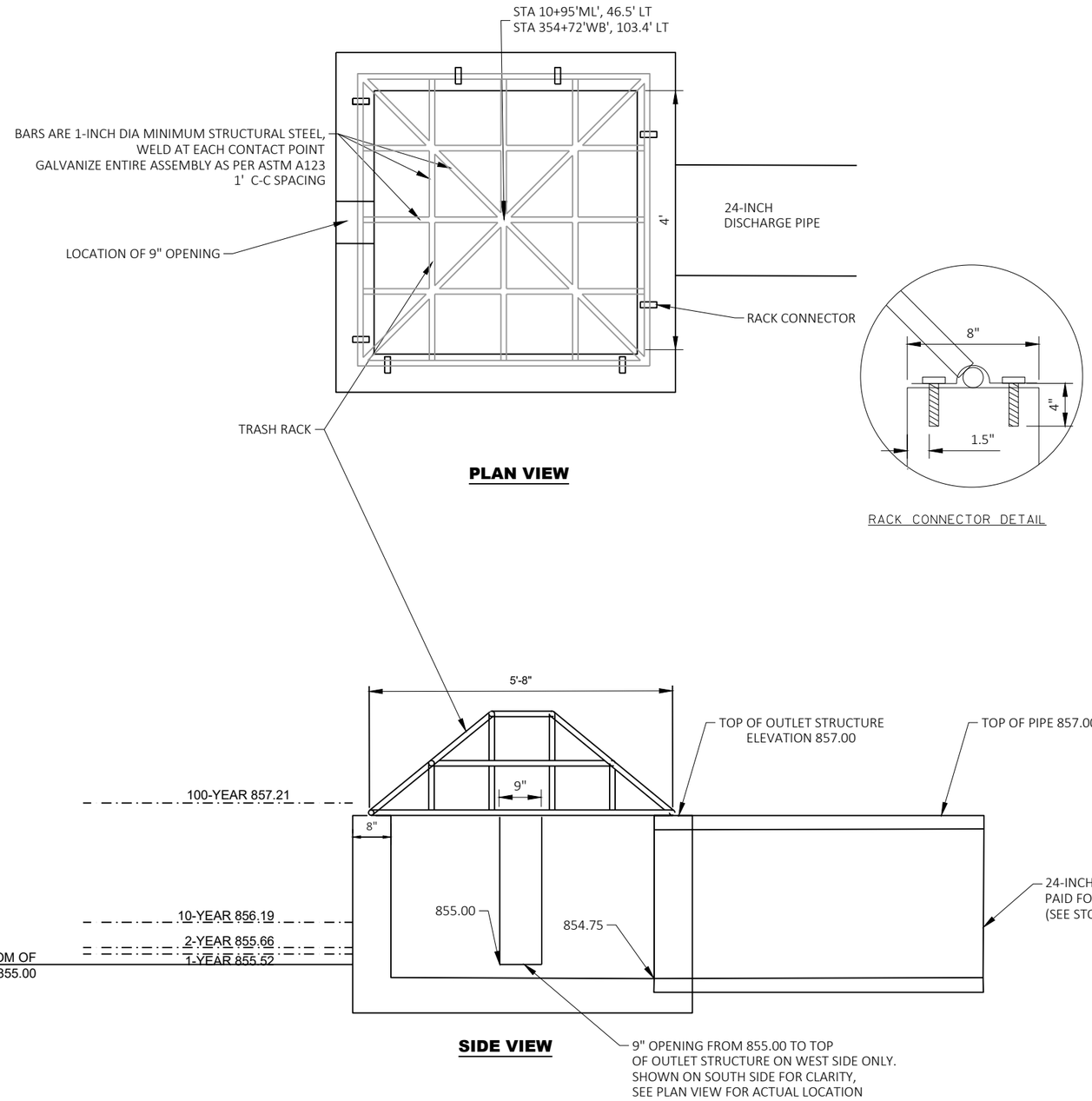
SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

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.

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CONSTRUCTION DETAIL - BORING LOG BOARDWALK	SHEET 38	E

FILE NAME : \\KL1-FS02\DATA1\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021001-CD-BORINGS.DWG
LAYOUT NAME - 02
PLOT DATE : 1/18/2023 12:07 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ############
WISDOT/CADDS SHEET 44

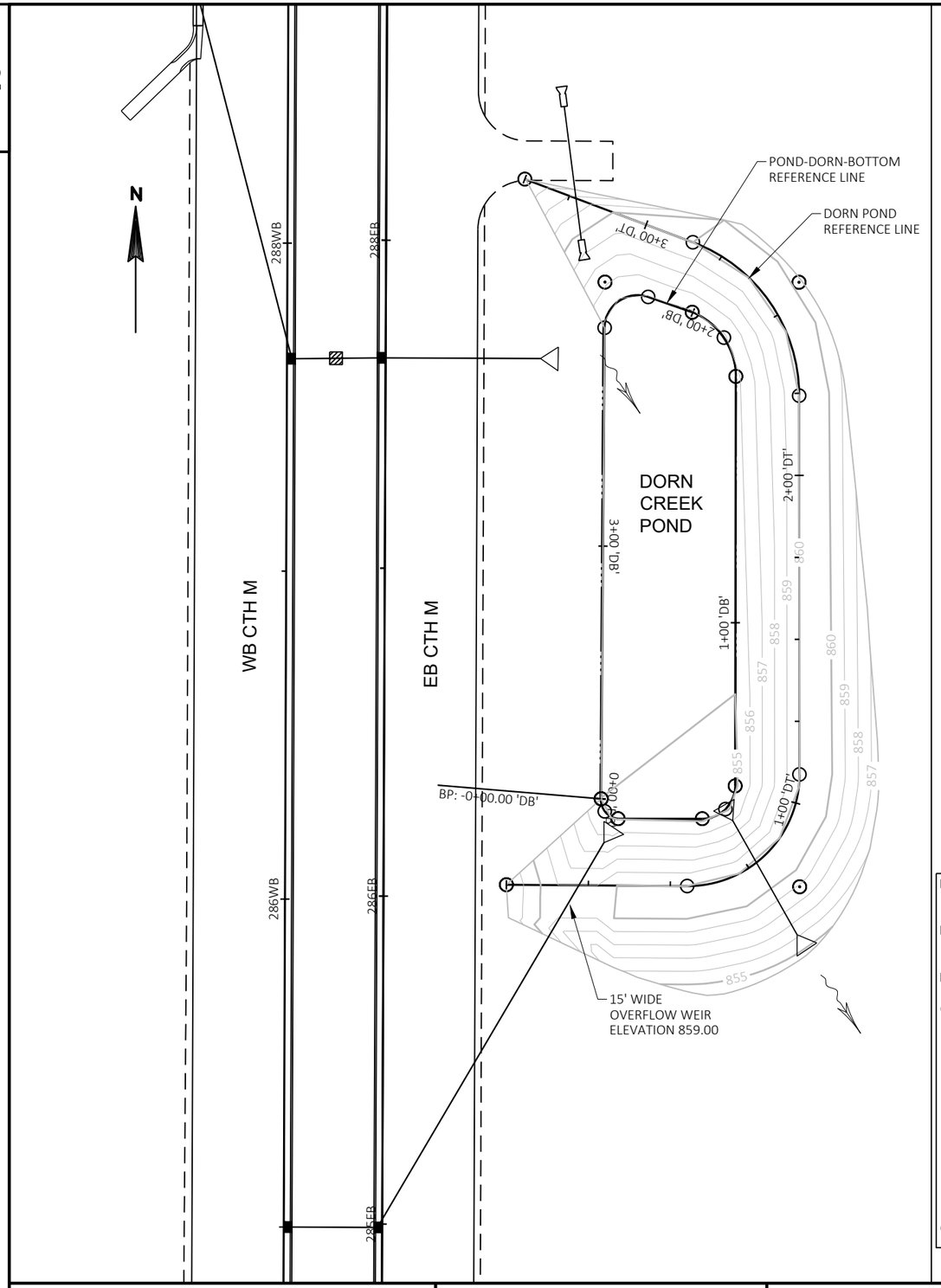


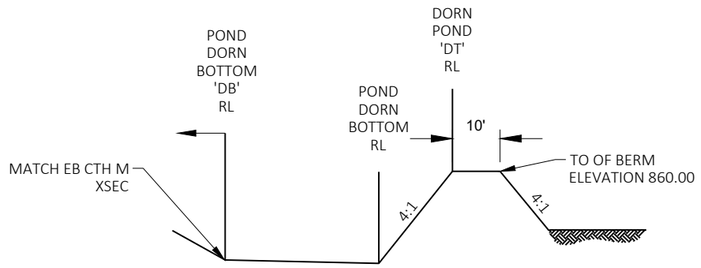


NOTE: SEE STANDARD DETAIL DRAWING FOR MANHOLE 5X5 FOR INFORMATION NOT SHOWN IN THIS CONSTRUCTION DETAIL.

SPACING OF BARS FOR TRASH RACK WILL BE SUCH THAT THE CLEAR OPENING BETWEEN BARS IS NO MORE THAN 11 $\frac{1}{2}$"

POND OUTLET STRUCTURE DETAIL
MARY LAKE POND





DORN CREEK POND TYPICAL SECTION

SEE CROSS SECTIONS FOR FURTHER INFORMATION

Begin Pond-Dorn-Bottom
N 507,176.6399 E 805,718.7836 0+00.00

Curve (1)
BC N 507,176.6399 E 805,718.7836 0+00.00
CTR N 507,176.1726 E 805,724.3780
PI N 507,170.9925 E 805,718.3119

Direction Back S4° 46' 29.57"W
Radius 5.614'
Delta 90°32'26"(LT)
Length 8.871'
Tangent 5.667'
Chord Direction S40° 29' 43.31"E Distance 7.977'
Direction Ahead S85° 45' 56.18"E

EC N 507,170.5741 E 805,723.9635 0+08.87
Curve (1)

Line (2)
Non-Tangent Radial Bearing S4° 14' 03.82"W
N89° 58' 17.18"E 25.648'
N 507,170.5868 E 805,749.6112 0+34.52
Line (2)

Non-Tangent Radial Bearing S0° 13' 41.86"W
Curve (3)
BC N 507,170.5868 E 805,749.6112 0+34.52
CTR N 507,180.5868 E 805,749.6511
PI N 507,170.5469 E 805,759.6358

Direction Back S89° 46' 18.14"E
Radius 10.000'
Delta 90°08'28"(LT)
Length 15.733'
Tangent 10.025'
Chord Direction N45° 09' 27.97"E Distance 14.160'
Direction Ahead N0° 05' 14.07"E

EC N 507,180.5715 E 805,759.6511 0+50.25
Curve (3)

Line (4)
N0° 05' 14.07"E 124.856'
N 507,305.4271 E 805,759.8412 1+75.10
Line (4)

Curve (5)
BC N 507,305.4271 E 805,759.8412 1+75.10
CTR N 507,305.4591 E 805,738.8412
PI N 507,319.7241 E 805,759.8629

Direction Back N0° 05' 14.07"E
Radius 21.000'
Delta 68°29'42"(LT)
Length 25.105'
Tangent 14.297'
Chord Direction N34° 09' 36.85"W Distance 23.636'
Direction Ahead N68° 24' 27.78"W

EC N 507,324.9854 E 805,746.5692 2+00.21
Curve (5)

Line (6)

Non-Tangent Radial Bearing N21° 35' 32.22"E
N70° 53' 39.77"W 14.234'
N 507,329.6445 E 805,733.1190 2+14.44
Line (6)

Curve (7)
BC N 507,329.6445 E 805,733.1190 2+14.44
CTR N 507,320.1953 E 805,729.8459
PI N 507,334.2063 E 805,719.9493

Direction Back N70° 53' 39.77"W
Radius 10.000'
Delta 108°40'54"(LT)
Length 18.969'
Tangent 13.937'
Chord Direction S54° 45' 53.06"W Distance 16.250'
Direction Ahead S0° 25' 25.90"W

EC N 507,320.2693 E 805,719.8462 2+33.41
Curve (7)

Line (8)
S0° 25' 25.90"W 143.633'
N 507,176.6399 E 805,718.7836 3+77.05
Line (8)

N 507,176.6399 E 805,718.7836 3+77.05
End Pond-Dorn-Bottom

Begin Pond-Dorn
N 507,150.4443 E 805,689.9068 0+00.00

Line (1)
S89° 35' 31.25"E 55.123'
N 507,150.0518 E 805,745.0288 0+55.12
Line (1)

Curve (2)
BC N 507,150.0518 E 805,745.0288 0+55.12
CTR N 507,184.0509 E 805,745.2709
PI N 507,149.8077 E 805,779.3062

Direction Back S89° 35' 31.25"E
Radius 34.000'
Delta 90°28'01"(LT)
Length 53.684'
Tangent 34.278'
Chord Direction N45° 10' 28.18"E Distance 48.279'
Direction Ahead N0° 03' 32.39"W

EC N 507,184.0859 E 805,779.2709 1+08.81
Curve (2)

Line (3)
N0° 03' 32.39"W 115.485'
N 507,299.5704 E 805,779.1520 2+24.29
Line (3)

Curve (4)
BC N 507,299.5704 E 805,779.1520 2+24.29
CTR N 507,299.5189 E 805,729.1520
PI N 507,334.1416 E 805,779.1164

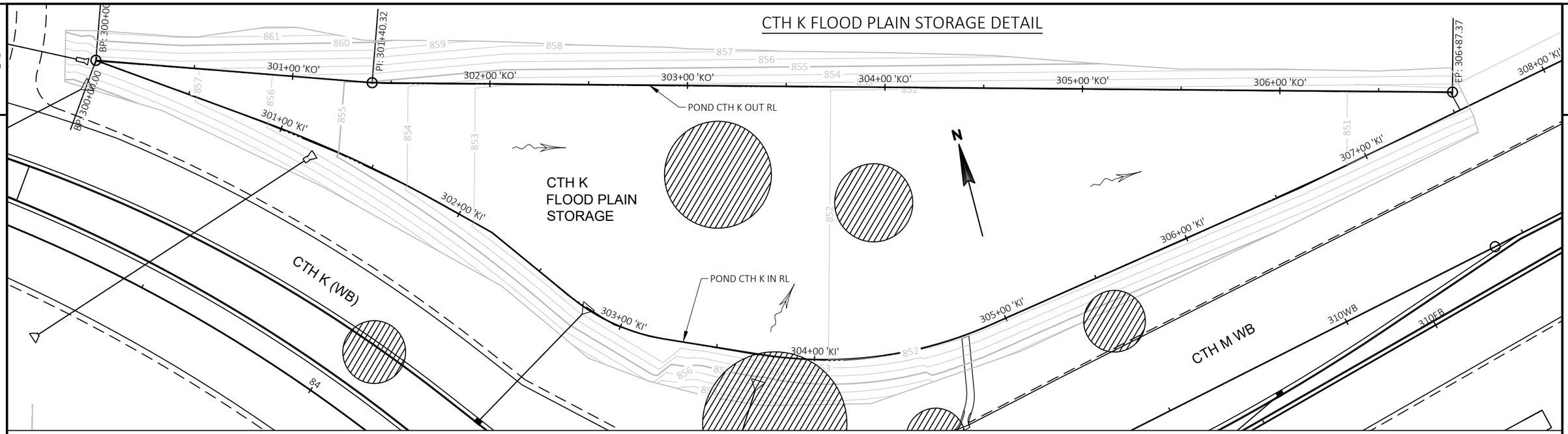
Direction Back N0° 03' 32.39"W
Radius 50.000'
Delta 69°19'18"(LT)
Length 60.495'
Tangent 34.571'
Chord Direction N34° 43' 11.57"W Distance 56.872'
Direction Ahead N69° 22' 50.74"W

EC N 507,346.3160 E 805,746.7598 2+84.79
Curve (4)

Line (5)
N69° 22' 50.74"W 54.744'
N 507,365.5943 E 805,695.5228 3+39.53
Line (5)

N 507,365.5943 E 805,695.5228 3+39.53
End Pond-Dorn

CTH K FLOOD PLAIN STORAGE DETAIL



Begin Pond - CTH K In
N 509,300.1283 E 806,057.0145 300+00.00

Line (1)
S55° 24' 01.00"E 88.103'
N 509,250.1000 E 806,129.5354 300+88.10
Line (1)

Curve (2)
BC N 509,250.1000 E 806,129.5354 300+88.10
CTR N 508,724.7687 E 805,767.1374
PI N 509,220.9577 E 806,171.7799

Direction Back S55° 24' 01.00"E
Radius 638.205'
Delta 9°11'42"(RT)
Length 102.422'
Tangent 51.321'
Chord Direction S50° 48' 09.81"E Distance 102.312'
Direction Ahead S46° 12' 18.62"E

EC N 509,185.4393 E 806,208.8248 301+90.53
Curve (2)

Line (3)
S46° 12' 18.62"E 28.686'
N 509,165.5863 E 806,229.5311 302+19.21
Line (3)

Line (4)
Non-Tangent Radial Bearing N43° 47' 41.38"E
S36° 14' 04.26"E 51.252'
N 509,124.2458 E 806,259.8260 302+70.46
Line (4)

Curve (5)
BC N 509,124.2458 E 806,259.8260 302+70.46
CTR N 509,183.3550 E 806,340.4865
PI N 509,102.5308 E 806,275.7391

Direction Back S36° 14' 04.26"E
Radius 100.000'
Delta 30°08'07"(LT)
Length 52.596'
Tangent 26.922'
Chord Direction S51° 18' 07.86"E Distance 51.992'
Direction Ahead S66° 22' 11.46"E

EC N 509,091.7398 E 806,300.4033 303+23.06
Curve (5)

Line (6)
S66° 22' 11.46"E 49.526'
N 509,071.8882 E 806,345.7767 303+72.59
Line (6)

Curve (7)
BC N 509,071.8882 E 806,345.7767 303+72.59
CTR N 509,261.1165 E 806,428.5671
PI N 509,047.3382 E 806,401.8890

Direction Back S66° 22' 11.46"E
Radius 206.547'
Delta 33°02'01"(LT)
Length 119.083'
Tangent 61.248'
Chord Direction S82° 53' 11.83"E Distance 117.441'
Direction Ahead N80° 35' 47.79"E

EC N 509,057.3452 E 806,462.3137 304+91.67
Curve (7)

Line (8)
N80° 35' 47.79"E 171.479'
N 509,085.3621 E 806,631.4884 306+63.15
Line (8)

Line (9)
Non-Tangent Radial Bearing S9° 24' 12.21"E
N78° 33' 23.37"E 300.054'
N 509,144.8934 E 806,925.5776 309+63.20
Line (9)

N 509,144.8934 E 806,925.5776 309+63.20
End Pond - CTH K In

Begin Pond - CTH K -Out
N 509,300.1221 E 806,057.0234 300+00.00

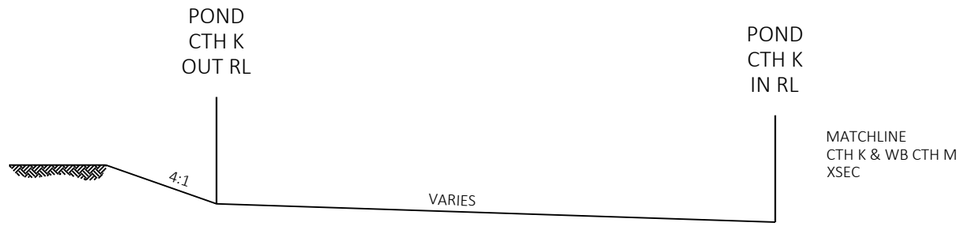
Line (1)
S70° 53' 56.73"E 140.323'
N 509,254.2038 E 806,189.6207 301+40.32
Line (1)

Line (2)
S75° 02' 20.08"E 547.048'
N 509,112.9764 E 806,718.1241 306+87.37
Line (2)

N 509,112.9764 E 806,718.1241 306+87.37
End Pond - CTH K -Out

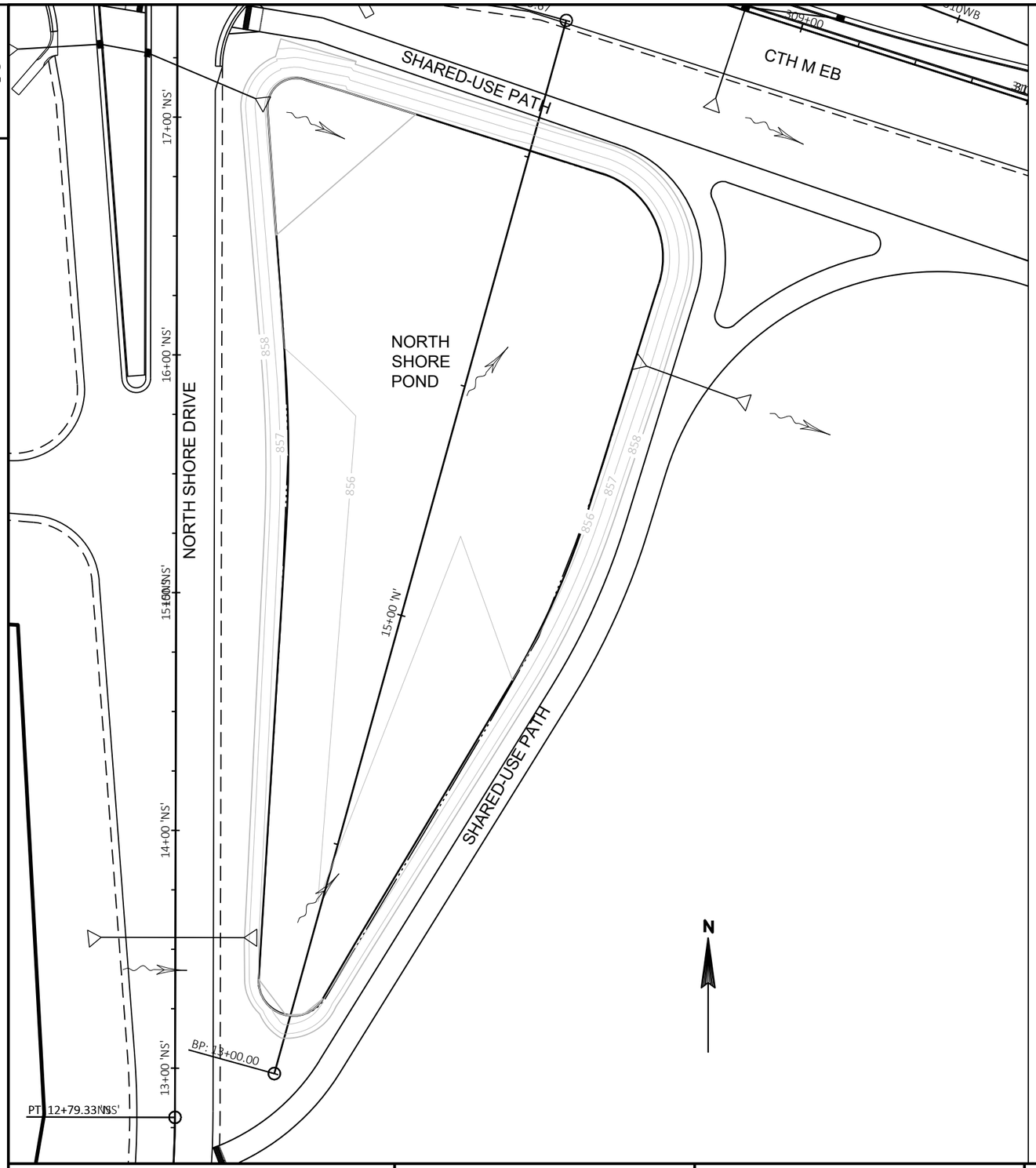
LEGEND

APPROXIMATE HORIZONTAL EXTENT OF CONTAMINATED SOIL AND GROUNDWATER.



CTH K FLOOD PLAIN STORAGE
TYPICAL SECTION

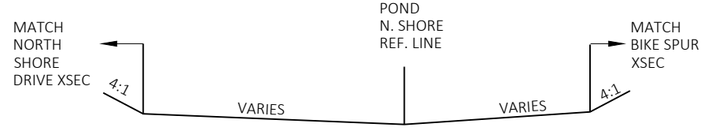
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 41	E



Begin Pond - N Shore - RL
N 508,485.0693 E 806,637.9583 13+00.00

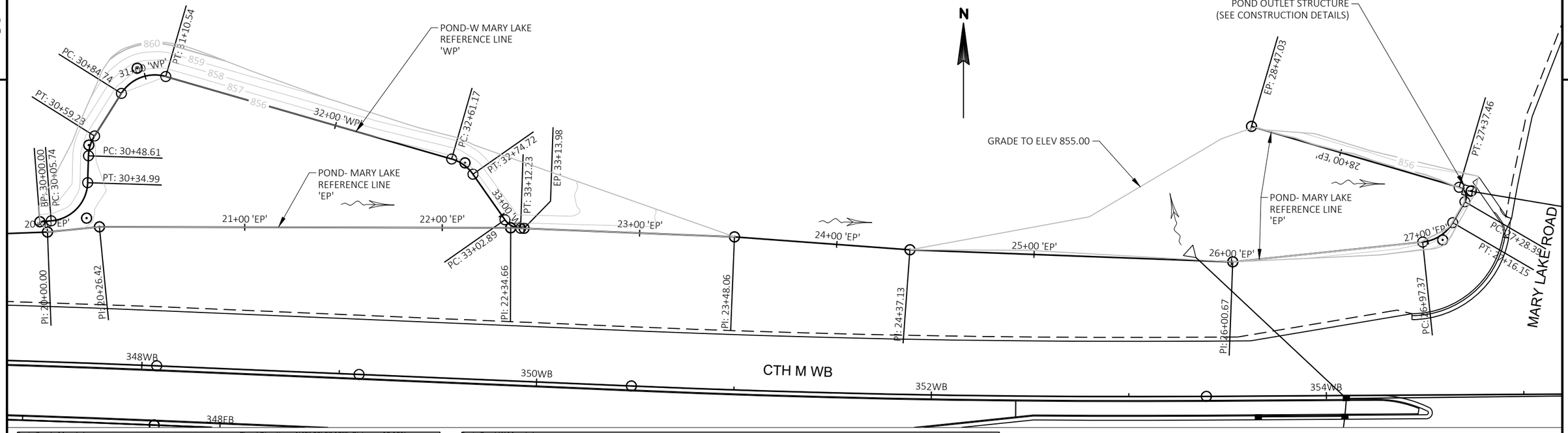
Line (1)
N17° 34' 08.77"W 459.667'
N 508,923.2946 E 806,499.2051 17+59.67
Line (1)

N 508,923.2946 E 806,499.2051 17+59.67
End Pond - N Shore - RL



NORTH SHORE POND TYPICAL SECTION

MARY LAKE POND DETAIL



Begin Pond - Mary Lake
N 509,984.5279 E 809,790.2511 15+46.79

Line (1)
N72° 49' 20.43"E 453.213'
N 510,118.3777 E 810,223.2474 20+00.00

Line (1)

Line (2)
N69° 22' 06.14"E 26.416'
N 510,127.6855 E 810,247.9690 20+26.42

Line (2)

Line (3)
N75° 07' 48.51"E 208.238'
N 510,181.1246 E 810,449.2337 22+34.66

Line (3)

Line (4)
N77° 19' 37.66"E 113.403'
N 510,206.0034 E 810,559.8740 23+48.06

Line (4)

Line (5)
N79° 11' 15.97"E 89.067'
N 510,222.7116 E 810,647.3602 24+37.13

Line (5)

Line (6)
N77° 08' 54.76"E 163.538'
N 510,259.0864 E 810,806.8016 26+00.67

Line (6)

Line (7)
N69° 02' 30.49"E 96.700'
N 510,293.6749 E 810,897.1045 26+97.37

Line (7)

Curve (8)
BC N 510,293.6749 E 810,897.1045 26+97.37
CTR N 510,312.3517 E 810,889.9508
PI N 510,297.3052 E 810,906.5824

Direction Back N69° 02' 30.49"E
Radius 20.000'
Delta 53°48'47"(LT)
Length 18.784'
Tangent 10.149'
Chord Direction N42° 08' 07.18"E Distance 18.101'
Direction Ahead N15° 13' 43.88"E

EC N 510,307.0982 E 810,909.2484 27+16.15
Curve (8)

Line (9)
N15° 13' 43.88"E 12.245'
N 510,318.9130 E 810,912.4648 27+28.39
Line (9)

Curve (10)
BC N 510,318.9130 E 810,912.4648 27+28.39
CTR N 510,320.2264 E 810,907.6404
PI N 510,325.0715 E 810,914.1414

Direction Back N15° 13' 43.88"E
Radius 5.000'
Delta 103°51'05"(LT)
Length 9.063'
Tangent 6.383'
Chord Direction N36° 41' 48.51"W Distance 7.872'
Direction Ahead N88° 37' 20.89"W

EC N 510,325.2250 E 810,907.7606 27+37.46
Curve (10)

Line (11)
N88° 37' 20.89"W 109.570'
N 510,327.8591 E 810,798.2219 28+47.03
Line (11)

N 510,327.8591 E 810,798.2219 28+47.03
End Pond - Mary Lake

Begin Pond-W Mary Lake
N 510,122.4234 E 810,218.2115 30+00.00

Line (1)
N70° 35' 22.53"E 5.736'
N 510,124.3295 E 810,223.6212 30+05.74
Line (1)

Curve (2)
BC N 510,124.3295 E 810,223.6212 30+05.74
CTR N 510,143.1928 E 810,216.9746
PI N 510,130.2952 E 810,240.5518

Direction Back N70° 35' 22.53"E
Radius 20.000'
Delta 83°49'08"(LT)
Length 29.258'
Tangent 17.951'
Chord Direction N28° 40' 48.74"E Distance 26.718'
Direction Ahead N13° 13' 45.04"W

EC N 510,147.7697 E 810,236.4438 30+34.99
Curve (2)

Line (3)
N13° 13' 45.04"W 13.621'
N 510,161.0292 E 810,233.3267 30+48.61
Line (3)

Curve (4)
BC N 510,161.0292 E 810,233.3267 30+48.61
CTR N 510,165.6061 E 810,252.7959
PI N 510,166.3222 E 810,232.0824

Direction Back N13° 13' 45.04"W
Radius 20.000'
Delta 30°25'05"(RT)
Length 10.618'
Tangent 5.437'
Chord Direction N1° 58' 47.41"E Distance 10.494'
Direction Ahead N17° 11' 19.87"E

EC N 510,171.5166 E 810,233.6892 30+59.23
Curve (4)

Line (5)
N17° 11' 19.87"E 25.509'
N 510,195.8867 E 810,241.2278 30+84.74
Line (5)

Curve (6)
BC N 510,195.8867 E 810,241.2278 30+84.74
CTR N 510,189.9762 E 810,260.3346
PI N 510,210.2633 E 810,245.6751

Direction Back N17° 11' 19.87"E
Radius 20.000'
Delta 73°55'07"(RT)
Length 25.802'
Tangent 15.049'
Chord Direction N54° 08' 53.29"E Distance 24.050'
Direction Ahead S88° 53' 33.30"E

EC N 510,209.9725 E 810,260.7211 31+10.54
Curve (6)

Line (7)
S88° 53' 33.30"E 150.621'
N 510,207.0615 E 810,411.3136 32+61.17
Line (7)

Curve (8)
BC N 510,207.0615 E 810,411.3136 32+61.17
CTR N 510,187.0652 E 810,410.9271
PI N 510,206.9252 E 810,418.3627

Direction Back S88° 53' 33.30"E
Radius 20.000'
Delta 38°50'14"(RT)
Length 13.557'
Tangent 7.050'
Chord Direction S69° 28' 26.35"E Distance 13.299'
Direction Ahead S50° 03' 19.41"E

EC N 510,202.3985 E 810,423.7680 32+74.72
Curve (8)

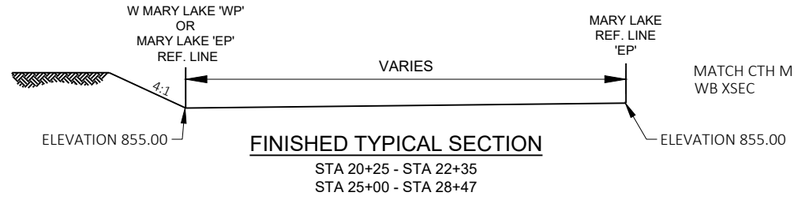
Line (9)
S50° 03' 19.41"E 28.205'
N 510,184.2896 E 810,445.3918 33+02.93
Line (9)

Curve (10)
BC N 510,184.2896 E 810,445.3918 33+02.93
CTR N 510,192.0352 E 810,451.8784
PI N 510,181.0810 E 810,449.2231
Direction Back S50° 03' 19.41"E
Radius 10.103'
Delta 52°38'16"(LT)
Length 9.282'
Tangent 4.997'
Chord Direction S76° 22' 27.38"E Distance 8.959'
Direction Ahead N77° 18' 24.66"E

EC N 510,182.1791 E 810,454.0984 33+12.21
Curve (10)

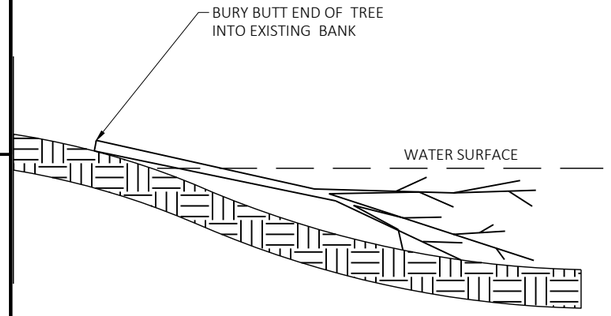
Line (11)
N77° 18' 24.66"E 108.425'
N 510,206.0034 E 810,559.8740 34+20.63
Line (11)

N 510,206.0034 E 810,559.8740 34+20.63
End Pond-W Mary Lake



FINISHED TYPICAL SECTION
STA 20+25 - STA 22+35
STA 25+00 - STA 28+47

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 43	E



FISH STICKS DETAIL

MITIGATION AREA #1
FINAL LIMITS TO BE DETERMINED BY ENGINEER
TO FIT EXISTING CONDITIONS

MITIGATION AREA #2
FINAL LIMITS TO BE DETERMINED BY ENGINEER
TO FIX EXISTING CONDITIONS

FISH STICK (TYP)
FINAL LOCATION TO BE
DETERMINED BY ENGINEER

30' X 40' GRAVEL PARKING LOT
FINAL LOCATION TO BE DETERMINED BY ENGINEER

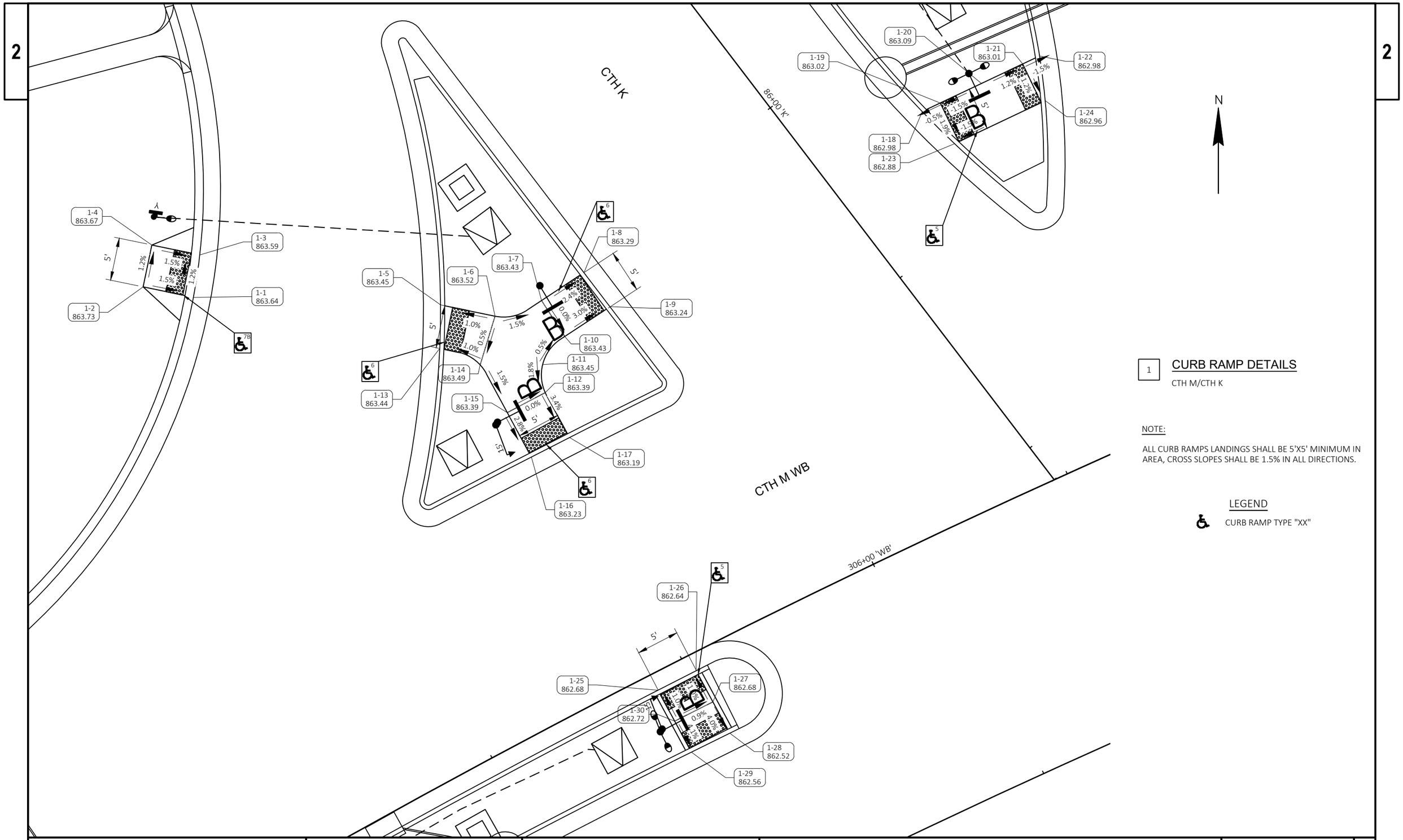
N

TLE
PRW
EXISTING R/W
CTH M WB
CTH M EB
360'EB'
365'EB'
370'EB'
WILLOW ROAD

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	MITIGATION SITE	SHEET 44	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021004-MITIGATION.DWG
LAYOUT NAME - MITIGATION

PLOT DATE : 1/23/2023 10:50 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT



1 CURB RAMP DETAILS

CTH M/CTH K

NOTE:

ALL CURB RAMPS LANDINGS SHALL BE 5'X5' MINIMUM IN AREA, CROSS SLOPES SHALL BE 1.5% IN ALL DIRECTIONS.

LEGEND

CURB RAMP TYPE "XX"

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS DETAIL 1 - CTH M/CTH K	SHEET 45	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021001-CD-CURB RAMPS.DWG
LAYOUT NAME - CTH K

PLOT DATE : 4/12/2023 9:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

2 CURB RAMP DETAILS

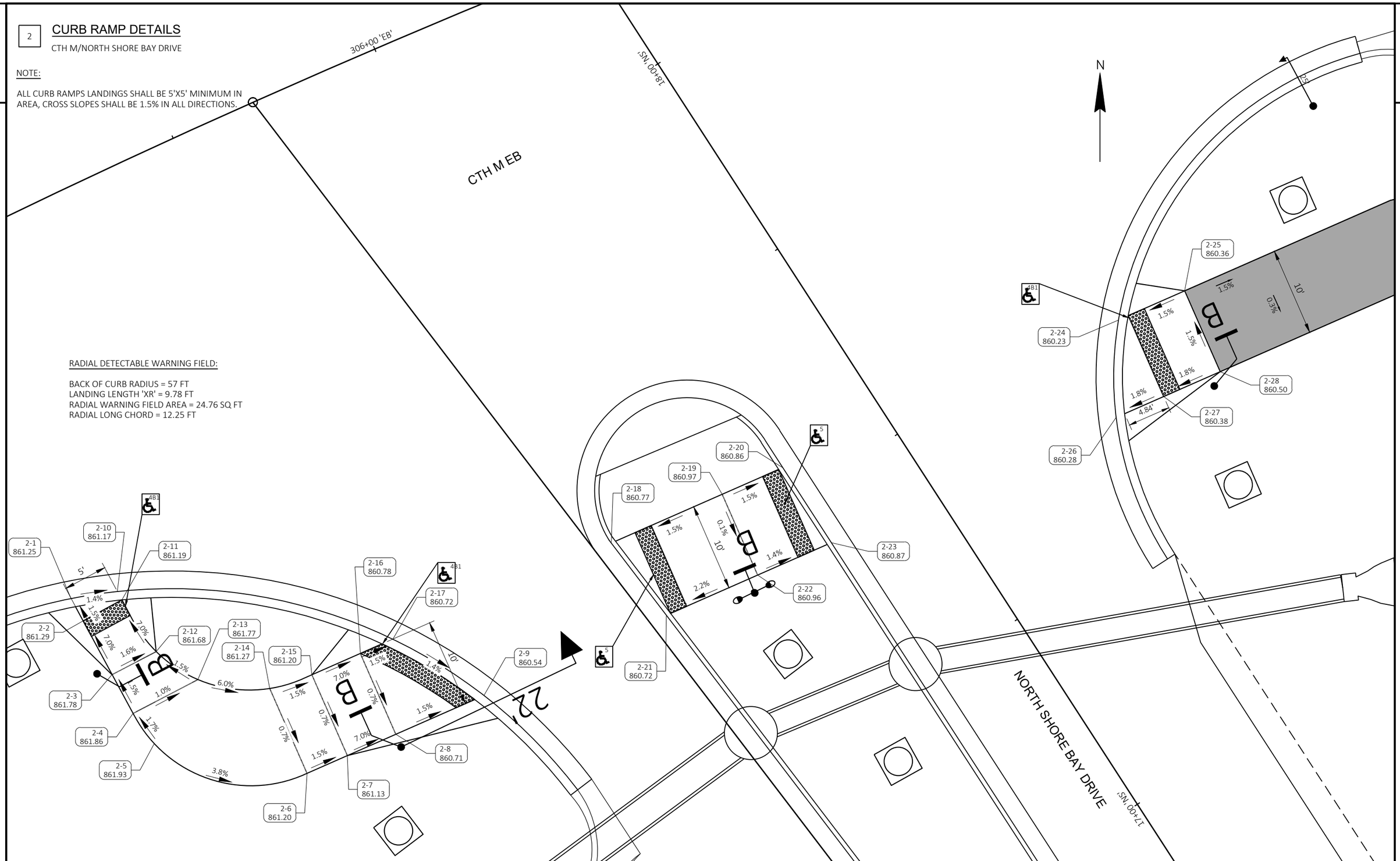
CTH M/NORTH SHORE BAY DRIVE

NOTE:

ALL CURB RAMPS LANDINGS SHALL BE 5'X5' MINIMUM IN AREA, CROSS SLOPES SHALL BE 1.5% IN ALL DIRECTIONS.

RADIAL DETECTABLE WARNING FIELD:

BACK OF CURB RADIUS = 57 FT
LANDING LENGTH 'XR' = 9.78 FT
RADIAL WARNING FIELD AREA = 24.76 SQ FT
RADIAL LONG CHORD = 12.25 FT



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS DETAIL 2 - CTH M/NORTH SHORE BAY DRIVE	SHEET 46	E

2

3 CURB RAMP DETAILS

CTH M/CTH K

NOTE:

ALL CURB RAMPS LANDINGS SHALL BE 5'X5' MINIMUM IN AREA, CROSS SLOPES SHALL BE 1.5% IN ALL DIRECTIONS.

N

3-22 863.02
3-21 863.65
3-14 863.58
3-15 862.94
3-20 863.19
3-13 863.10
3-19 862.71
3-18 862.64
3-12 862.62
3-17 862.55
3-11 862.06
3-16 861.97
6'
CTH K
2.9%
2.0%
5.1%
1.1%
2.5%
2.3%
1.4%
2.5%
2.3%
1.5%
1.1%
1.5%
1.1%
7.0%
7.0%

3-5 862.51
6'
3-10 862.45
3-4 862.58
3-3 862.55
3-1 862.36
3-2 862.39
3-9 862.46
3-8 862.54
3-7 862.46
3-6 862.27
22'
B
1.5%
-0.6%
-0.7%
-1.4%
-1.1%
CTH M WB

2

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS DETAIL 3 - CTH M/CTH K	SHEET 47	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021001-CD-CURB RAMPS.DWG
LAYOUT NAME - CTH K (3)

PLOT DATE : 4/12/2023 9:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

4 CURB RAMP DETAILS

NORTH SHORE BAY DRIVE

N

SHARED USE PATH

10'

1.5%

4-2
861.28

4-1
861.24

0.1%

1.3%

1.4%

0.7%

1.3%

CONCRETE SIDEWALK 5-INCH

4-4
861.42

4-3
861.32

13+00 NS

NORTH SHORE BAY DRIVE

2

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS DETAIL 4 - NORTH SHORE BAY DRIVE	SHEET 48	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021001-CD-CURB RAMPS.DWG
LAYOUT NAME - North Shore

PLOT DATE : 4/12/2023 9:47 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

CURB RAMP DETAIL POINT TABLES

CTH K - SHEET 1					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1-1	85+76.70 'K'	67.03 RT	508931.060	806175.521	863.64
1-2	85+72.17 'K'	70.96 RT	508932.279	806169.645	863.73
1-3	85+73.22 'K'	63.44 RT	508936.012	806176.265	863.59
1-4	85+68.89 'K'	67.19 RT	508937.175	806170.661	863.67

CTH K - SHEET 1					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1-5	85+94.92 'K'	44.61 RT	508930.180	806204.398	863.45
1-6	85+99.84 'K'	40.35 RT	508928.858	806210.768	863.52
1-7	86+01.69 'K'	34.92 RT	508930.682	806216.209	863.43
1-8	86+02.10 'K'	29.00 RT	508933.945	806221.162	863.29
1-9	86+07.11 'K'	29.00 RT	508929.961	806224.202	863.24
1-10	86+06.67 'K'	35.31 RT	508926.481	806218.922	863.43
1-11	86+07.71 'K'	39.35 RT	508923.206	806216.341	863.45
1-12	86+10.50 'K'	41.10 RT	508919.926	806216.635	863.39
1-13	85+98.92 'K'	47.78 RT	508925.086	806204.304	863.44
1-14	86+03.32 'K'	45.20 RT	508923.146	806209.025	863.49
1-15	86+09.67 'K'	46.05 RT	508917.587	806212.202	863.39
1-16	86+15.50 'K'	46.96 RT	508912.394	806215.011	863.23
1-17	86+16.40 'K'	42.03 RT	508914.675	806219.478	863.19

CTH K - SHEET 1					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1-18	86+11.12 'K'	13.85 LT	508952.768	806260.698	862.98
1-19	86+11.61 'K'	16.15 LT	508953.773	806262.820	863.02
1-20	86+12.72 'K'	21.36 LT	508956.055	806267.637	863.09
1-21	86+13.83 'K'	26.57 LT	508958.338	806272.454	863.01
1-22	86+14.28 'K'	28.70 LT	508959.269	806274.421	862.98
1-23	86+16.39 'K'	14.58 LT	508949.025	806264.476	862.88
1-24	86+18.83 'K'	26.05 LT	508954.047	806275.076	862.96

CTH K - SHEET 1					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1-25	305+39.00 'EB'	28.23 LT	508885.144	806229.809	862.68
1-26	305+43.87 'EB'	28.28 LT	508887.416	806234.265	862.64
1-27	305+44.02 'EB'	24.14 LT	508883.771	806236.237	862.68
1-28	305+44.18 'EB'	20.00 LT	508880.126	806238.209	862.52
1-29	305+39.26 'EB'	20.00 LT	508877.904	806233.726	862.56
1-30	305+39.13 'EB'	24.12 LT	508881.526	806231.766	862.72

NORTH SHORE BAY DRIVE - SHEET 2					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
2-1	17+85.33 'NS'	88.82 LT	508823.241	806263.299	861.25
2-2	17+82.46 'NS'	89.05 LT	508820.712	806264.668	861.29
2-3	17+75.56 'NS'	89.59 LT	508814.620	806267.963	861.78
2-4	17+70.57 'NS'	89.99 LT	508810.222	806270.343	861.86
2-5	17+66.39 'NS'	89.83 LT	508806.796	806272.745	861.93
2-6	17+54.15 'NS'	77.12 LT	508803.433	806290.068	861.20
2-7	17+53.35 'NS'	72.19 LT	508805.445	806294.645	861.13
2-8	17+52.39 'NS'	66.26 LT	508807.859	806300.138	860.71
2-9	17+50.64 'NS'	55.48 LT	508812.256	806310.140	860.54
2-10	17+83.15 'NS'	83.98 LT	508824.043	806268.550	861.17
2-11	17+82.07 'NS'	84.06 LT	508823.091	806269.065	861.19
2-12	17+75.03 'NS'	83.98 LT	508817.229	806272.962	861.68
2-13	17+69.80 'NS'	81.74 LT	508814.055	806277.689	861.77
2-14	17+64.52 'NS'	75.44 LT	508813.048	806285.841	861.27
2-15	17+63.22 'NS'	70.59 LT	508814.600	806290.621	861.20
2-16	17+62.26 'NS'	64.66 LT	508817.014	806296.114	860.78
2-17	17+61.62 'NS'	60.68 LT	508818.637	806299.806	860.72

NORTH SHORE BAY DRIVE - SHEET 2					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
2-18	17+57.29 'NS'	33.97 LT	508829.527	806324.580	860.77
2-19	17+55.09 'NS'	20.41 LT	508835.054	806337.155	860.97
2-20	17+53.89 'NS'	13.00 LT	508838.075	806344.026	860.86
2-21	17+47.03 'NS'	33.17 LT	508821.348	806330.825	860.72
2-22	17+45.22 'NS'	22.01 LT	508825.899	806341.179	860.96
2-23	17+43.76 'NS'	13.00 LT	508829.572	806349.534	860.87

NORTH SHORE BAY DRIVE - SHEET 2					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
2-24	17+47.23 'NS'	28.05 RT	508854.810	806382.100	860.23
2-25	17+45.92 'NS'	36.15 RT	508858.112	806389.612	860.36
2-26	17+38.11 'NS'	21.83 RT	508843.771	806381.836	860.28
2-27	17+37.17 'NS'	27.64 RT	508846.140	806387.227	860.38
2-28	17+36.05 'NS'	34.55 RT	508848.957	806393.636	860.50

CTH K - SHEET 3					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
3-1	86+20.72 'K'	59.00 LT	508972.531	806302.413	862.36
3-2	86+21.09 'K'	60.74 LT	508973.295	806304.025	862.39
3-3	86+22.80 'K'	71.42 LT	508978.416	806313.549	862.55
3-4	86+21.66 'K'	76.29 LT	508982.275	806316.729	862.58
3-5	86+19.26 'K'	80.19 LT	508986.546	806318.379	862.51
3-6	86+26.85 'K'	59.00 LT	508967.655	806306.135	862.27
3-7	86+28.79 'K'	71.80 LT	508973.882	806317.479	862.46
3-8	86+27.19 'K'	78.61 LT	508979.285	806321.931	862.54
3-9	86+24.53 'K'	83.21 LT	508984.190	806323.975	862.46
3-10	86+23.97 'K'	83.92 LT	508985.068	806324.194	862.45

CTH K - SHEET 3					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
3-11	86+01.95 'K'	101.24 LT	509013.082	806324.605	862.06
3-12	85+96.85 'K'	107.44 LT	509020.895	806326.437	862.62
3-13	85+79.40 'K'	96.66 LT	509028.222	806307.280	863.10
3-14	85+60.89 'K'	87.81 LT	509037.571	806289.023	863.58
3-15	85+52.32 'K'	78.36 LT	509038.650	806276.308	862.94
3-16	86+06.82 'K'	104.77 LT	509011.346	806330.361	861.97
3-17	86+01.48 'K'	111.25 LT	509019.524	806332.279	862.55
3-18	85+97.65 'K'	115.91 LT	509025.392	806333.655	862.64
3-19	85+93.02 'K'	112.09 LT	509026.762	806327.814	862.71
3-20	85+76.53 'K'	101.92 LT	509033.701	806309.722	863.19
3-21	85+59.52 'K'	93.74 LT	509042.260	806292.900	863.65
3-22	85+45.12 'K'	77.86 LT	509044.073	806271.535	863.02

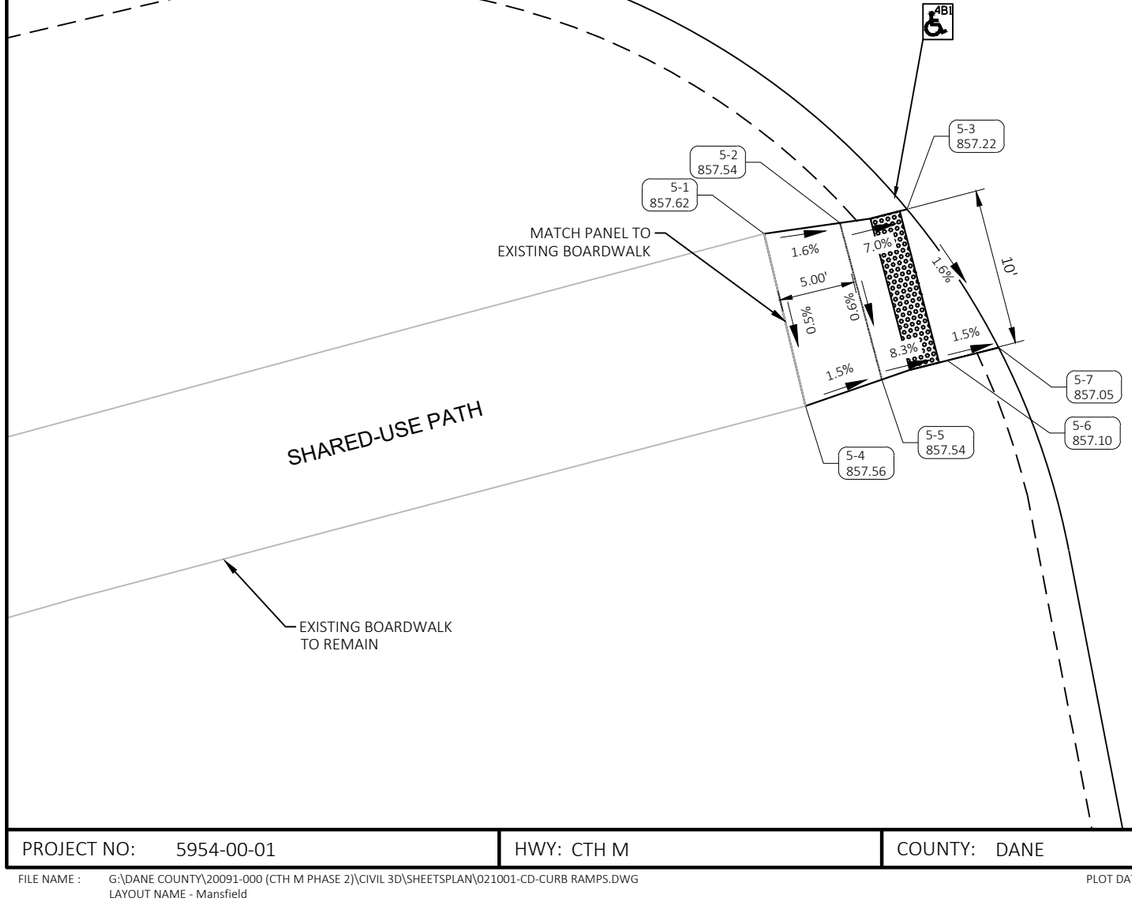
NORTH SHORE BAY DRIVE/SHARED USE PATH - SHEET 4					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
4-1	12+66.94 'NS'	15.97 RT	508444.540	806633.201	861.24
4-2	12+68.08 'NS'	18.73 RT	508446.980	806634.946	861.28
4-3	12+56.61 'NS'	15.96 RT	508435.181	806638.597	861.32
4-4	12+59.52 'NS'	22.95 RT	508441.299	806643.175	861.42

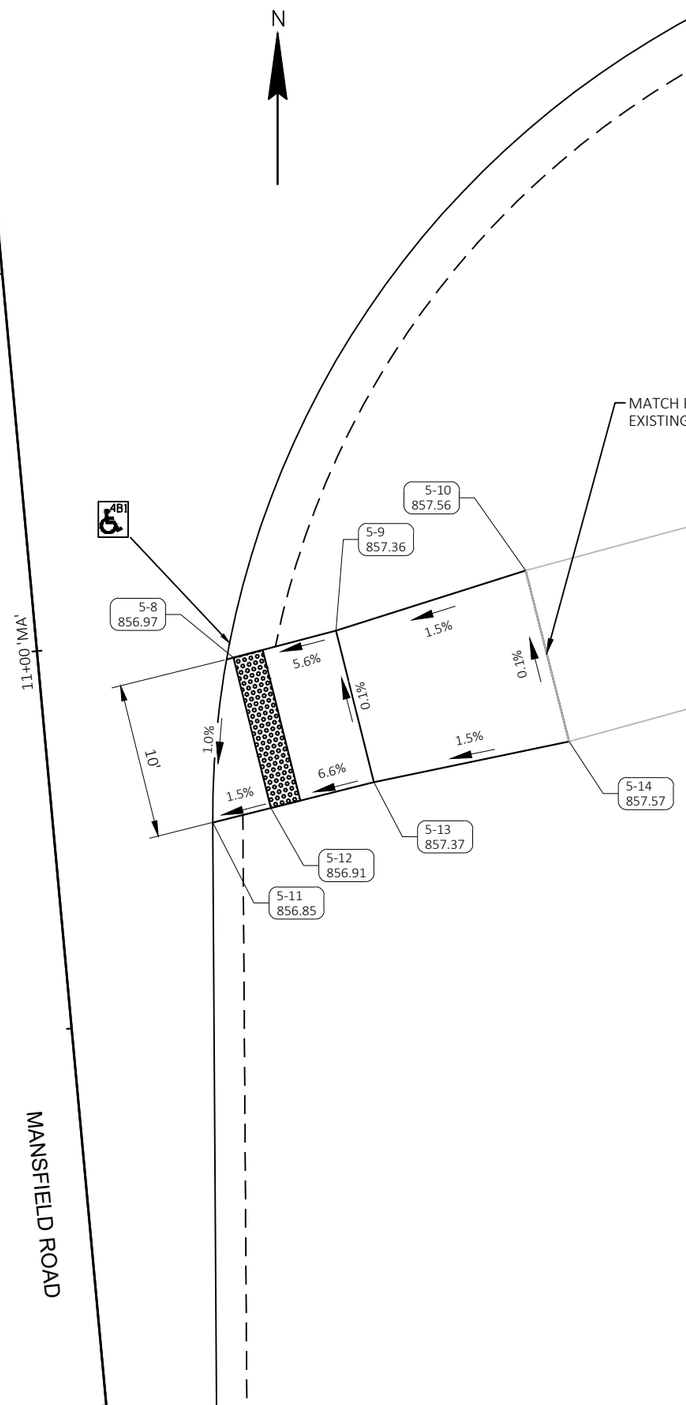
2

CTH M EB

5 CURB RAMP DETAILS

CTH M/MANSFIELD ROAD





NOTE:

ALL CURB RAMPS LANDINGS SHALL BE 5'X5' MINIMUM IN AREA, CROSS SLOPES SHALL BE 1.5% IN ALL DIRECTIONS.

MANSFIELD ROAD - SHEET 5					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
5-1	10+91.77 'MA'	27.72 LT	509210.024	807613.231	857.62
5-2	10+92.03 'MA'	22.67 LT	509210.740	807618.228	857.54
5-3	10+92.51 'MA'	18.19 LT	509211.636	807622.653	857.22
5-4	10+80.20 'MA'	26.04 LT	509198.655	807615.963	857.56
5-5	10+81.47 'MA'	20.86 LT	509200.398	807621.001	857.54
5-6	10+82.33 'MA'	16.43 LT	509201.658	807625.329	857.10
5-7	10+82.87 'MA'	13.00 LT	509202.504	807628.704	857.05
5-8	10+98.37 'MA'	12.87 RT	509220.316	807653.042	856.97
5-9	10+99.53 'MA'	19.77 RT	509222.102	807659.810	857.36
5-10	11+02.34 'MA'	32.60 RT	509226.066	807672.324	857.56
5-11	10+87.67 'MA'	10.51 RT	509209.444	807651.669	856.85
5-12	10+88.28 'MA'	14.42 RT	509210.403	807655.511	856.91
5-13	10+89.34 'MA'	21.34 RT	509212.099	807662.308	857.37
5-14	10+90.85 'MA'	34.42 RT	509214.793	807675.191	857.57

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS DETAIL 5 - MANSFIELD ROAD	SHEET 50	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021001-CD-CURB RAMPS.DWG
LAYOUT NAME - Mansfield
PLOT DATE : 4/12/2023 9:47 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

6 CURB RAMP DETAILS

CTH M/WOODLAND DRIVE

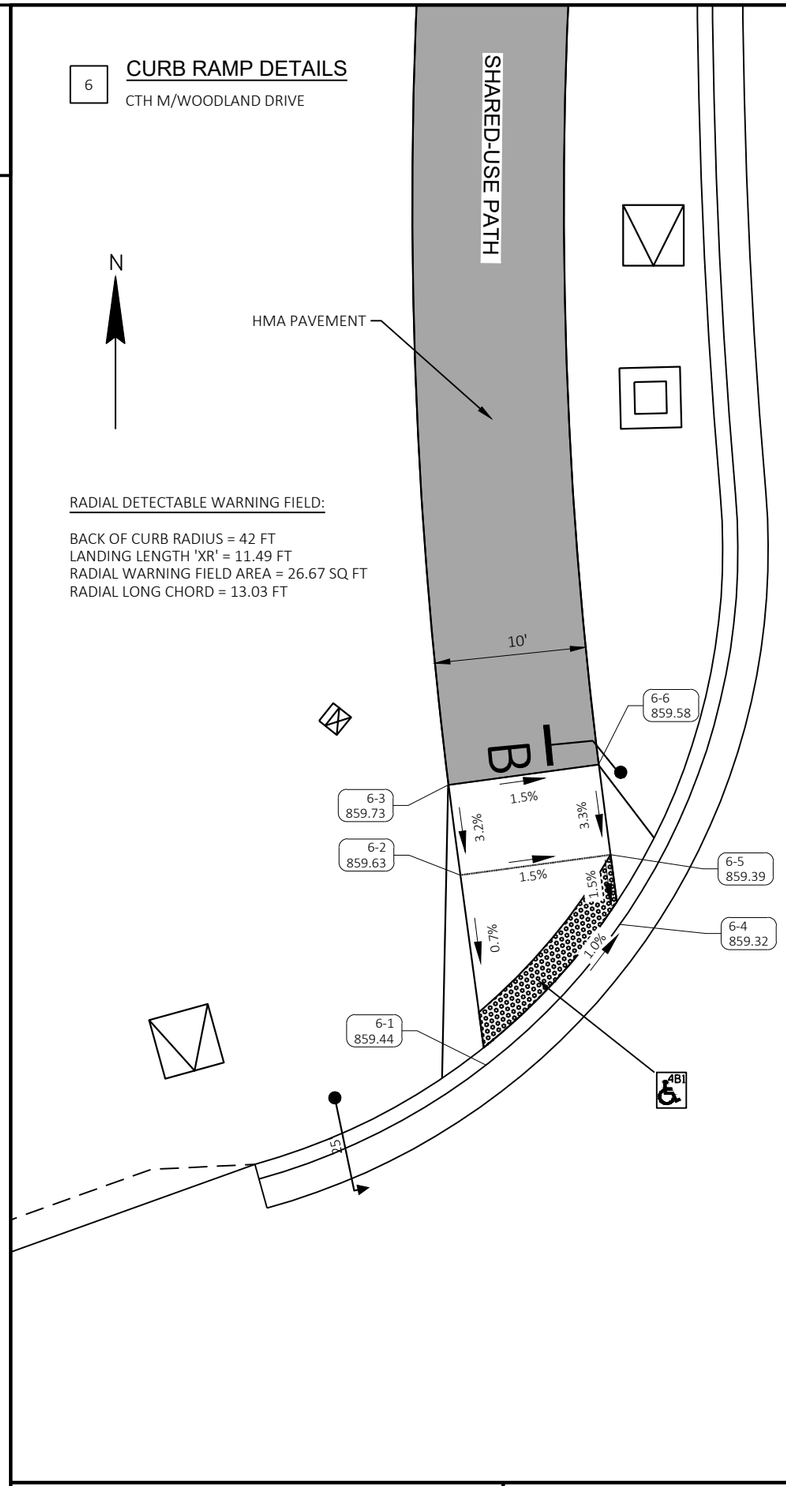
N

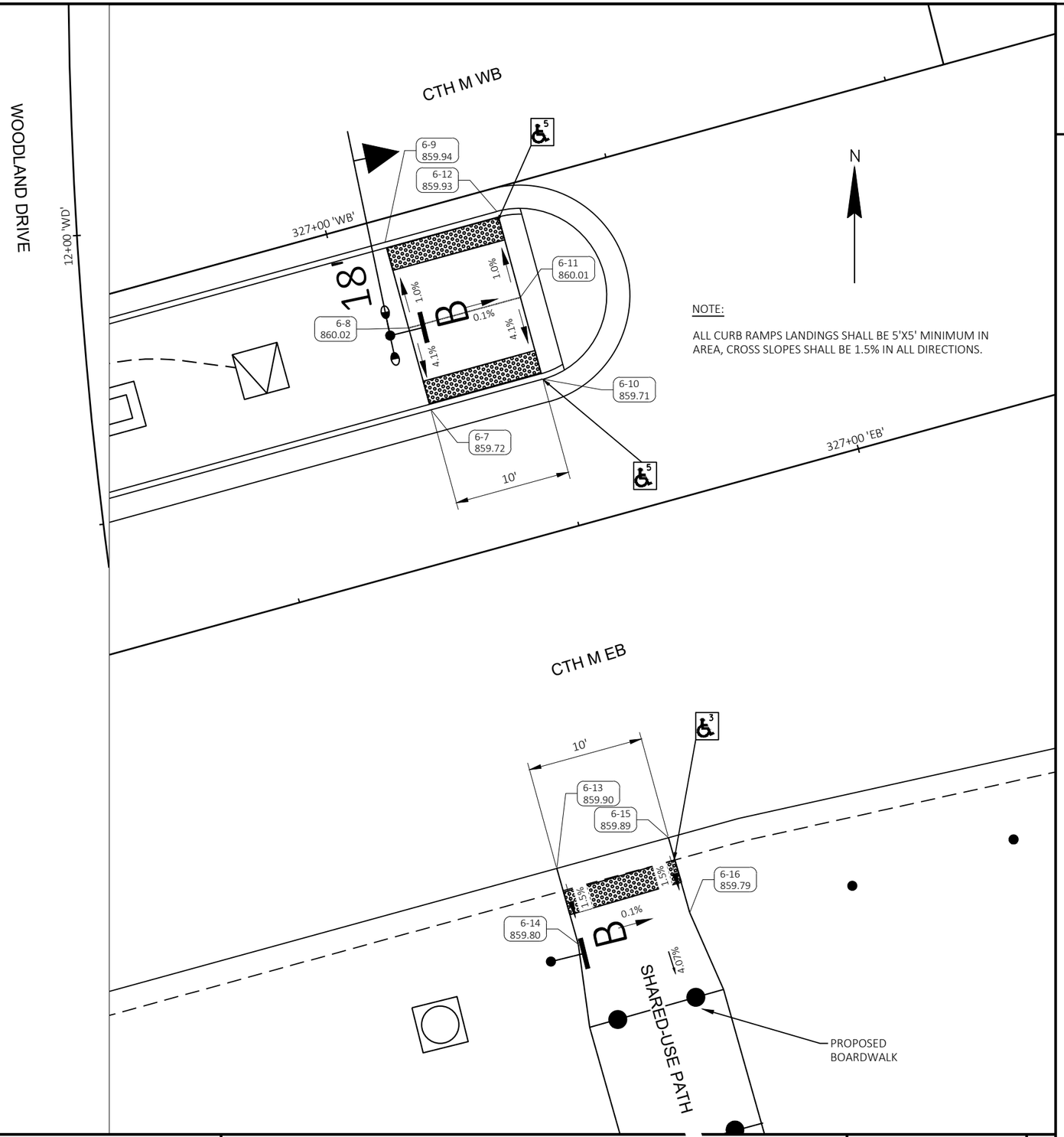
HMA PAVEMENT

SHARED-USE PATH

RADIAL DETECTABLE WARNING FIELD:

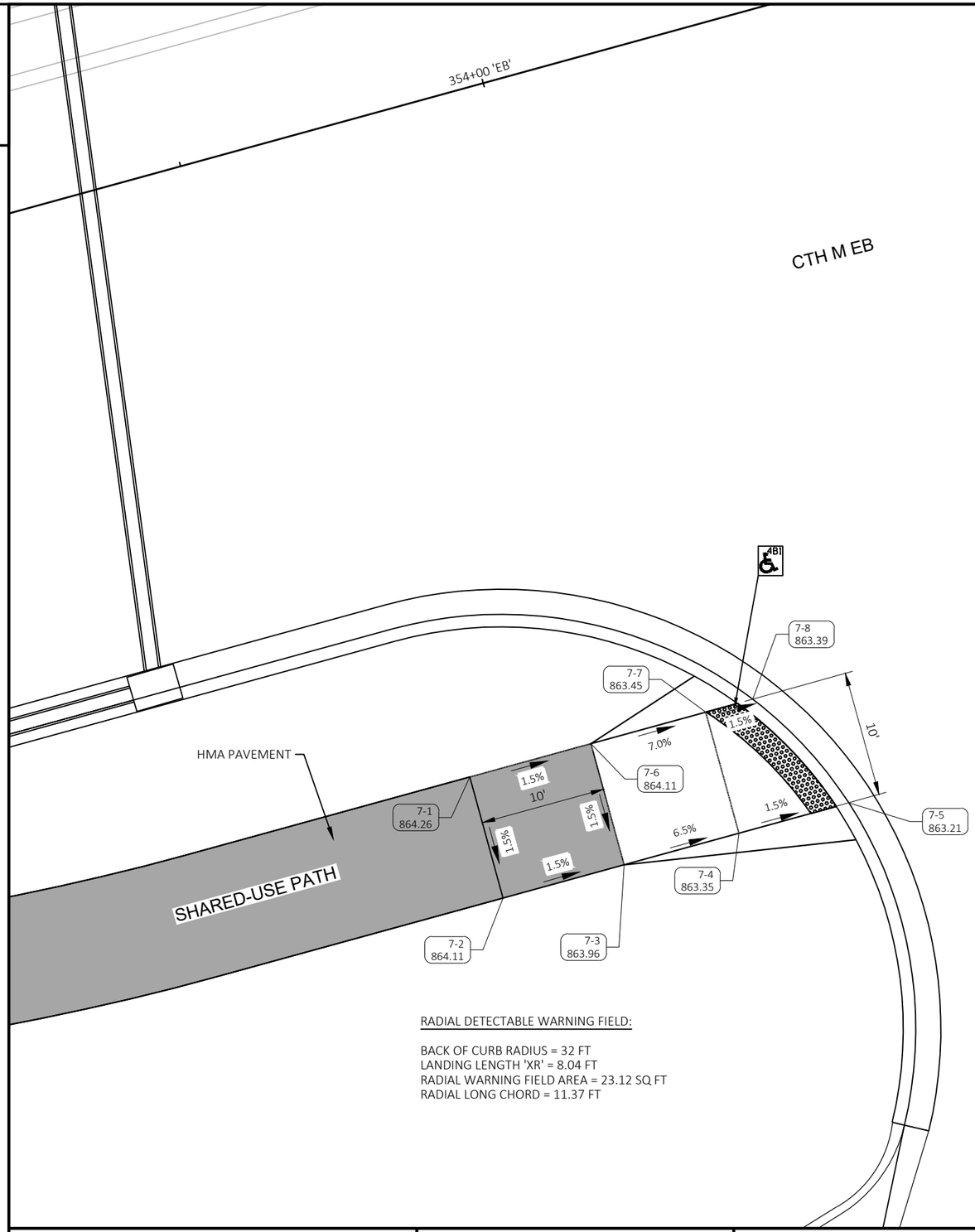
BACK OF CURB RADIUS = 42 FT
LANDING LENGTH 'XR' = 11.49 FT
RADIAL WARNING FIELD AREA = 26.67 SQ FT
RADIAL LONG CHORD = 13.03 FT





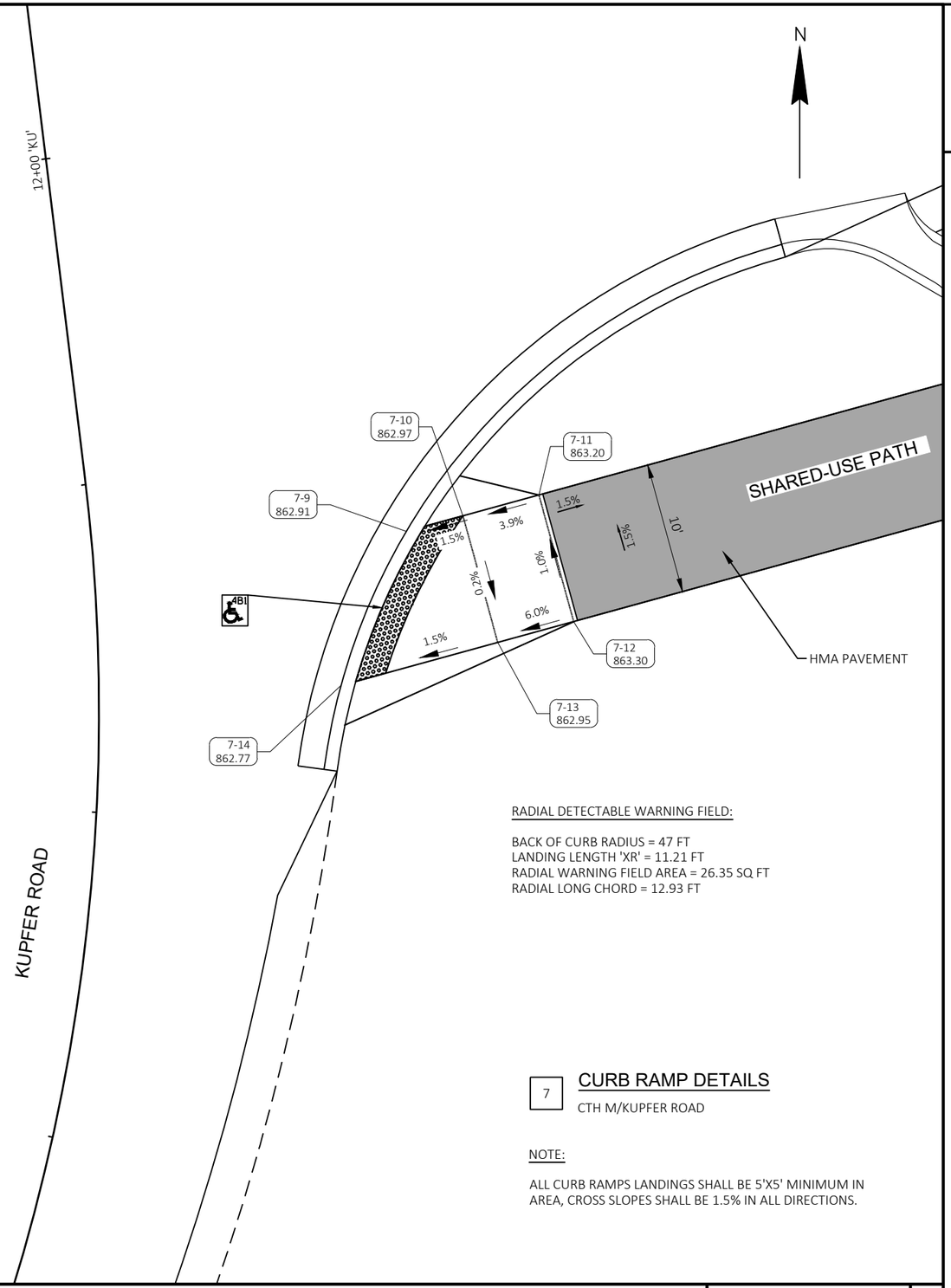
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS DETAIL 6 - CTH M/WOODLAND DRIVE	SHEET 51	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021001-CD-CURB RAMPS.DWG
LAYOUT NAME - Woodland
PLOT DATE : 4/12/2023 9:47 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



RADIAL DETECTABLE WARNING FIELD:

BACK OF CURB RADIUS = 32 FT
LANDING LENGTH 'XR' = 8.04 FT
RADIAL WARNING FIELD AREA = 23.12 SQ FT
RADIAL LONG CHORD = 11.37 FT



RADIAL DETECTABLE WARNING FIELD:

BACK OF CURB RADIUS = 47 FT
LANDING LENGTH 'XR' = 11.21 FT
RADIAL WARNING FIELD AREA = 26.35 SQ FT
RADIAL LONG CHORD = 12.93 FT

7 CURB RAMP DETAILS

CTH M/KUPFER ROAD

NOTE:

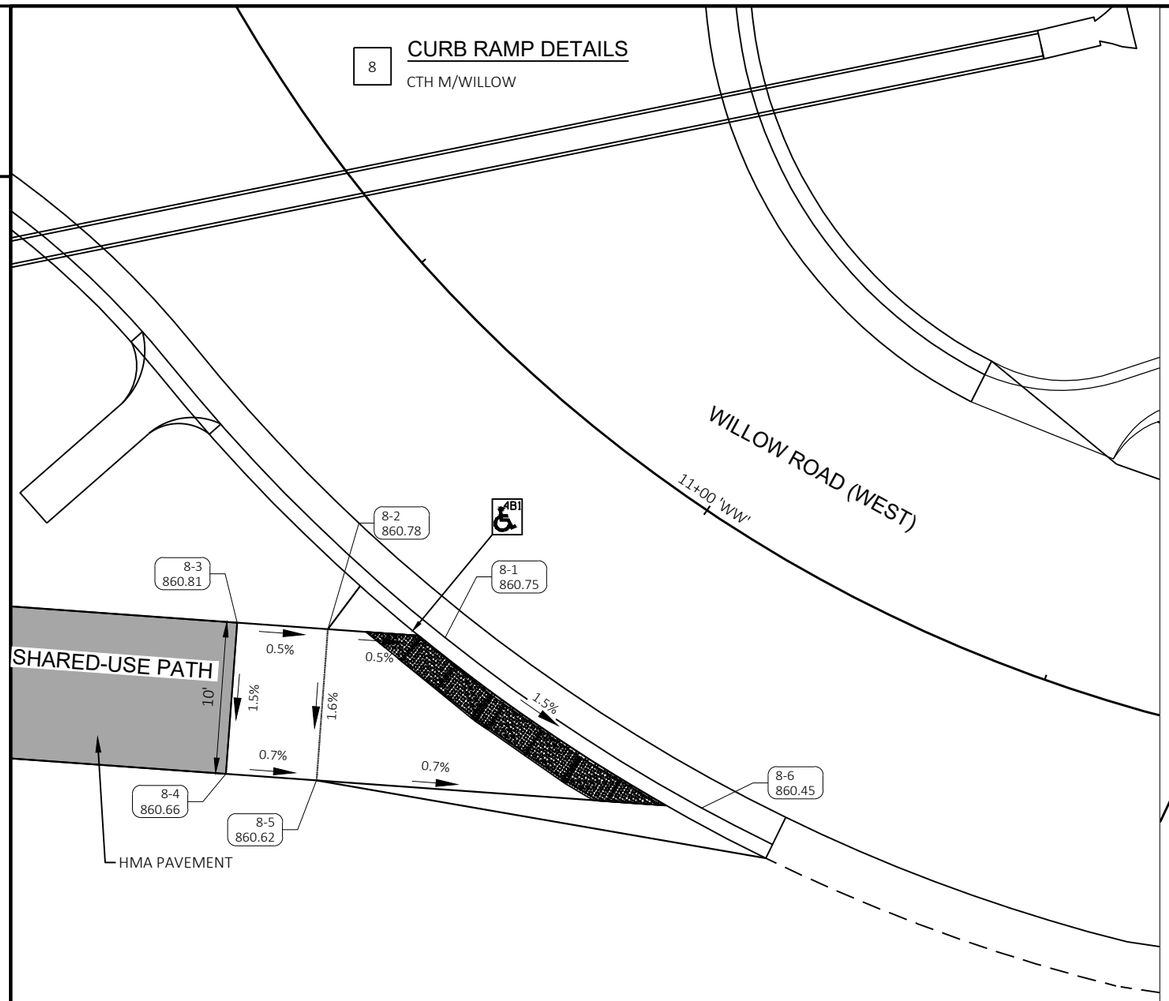
ALL CURB RAMPS LANDINGS SHALL BE 5'X5' MINIMUM IN AREA, CROSS SLOPES SHALL BE 1.5% IN ALL DIRECTIONS.

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS DETAIL 7 - CTH M/MARY LAKE	SHEET 52	E

2

8 CURB RAMP DETAILS

CTH M/WILLOW



RADIAL DETECTABLE WARNING FIELD:

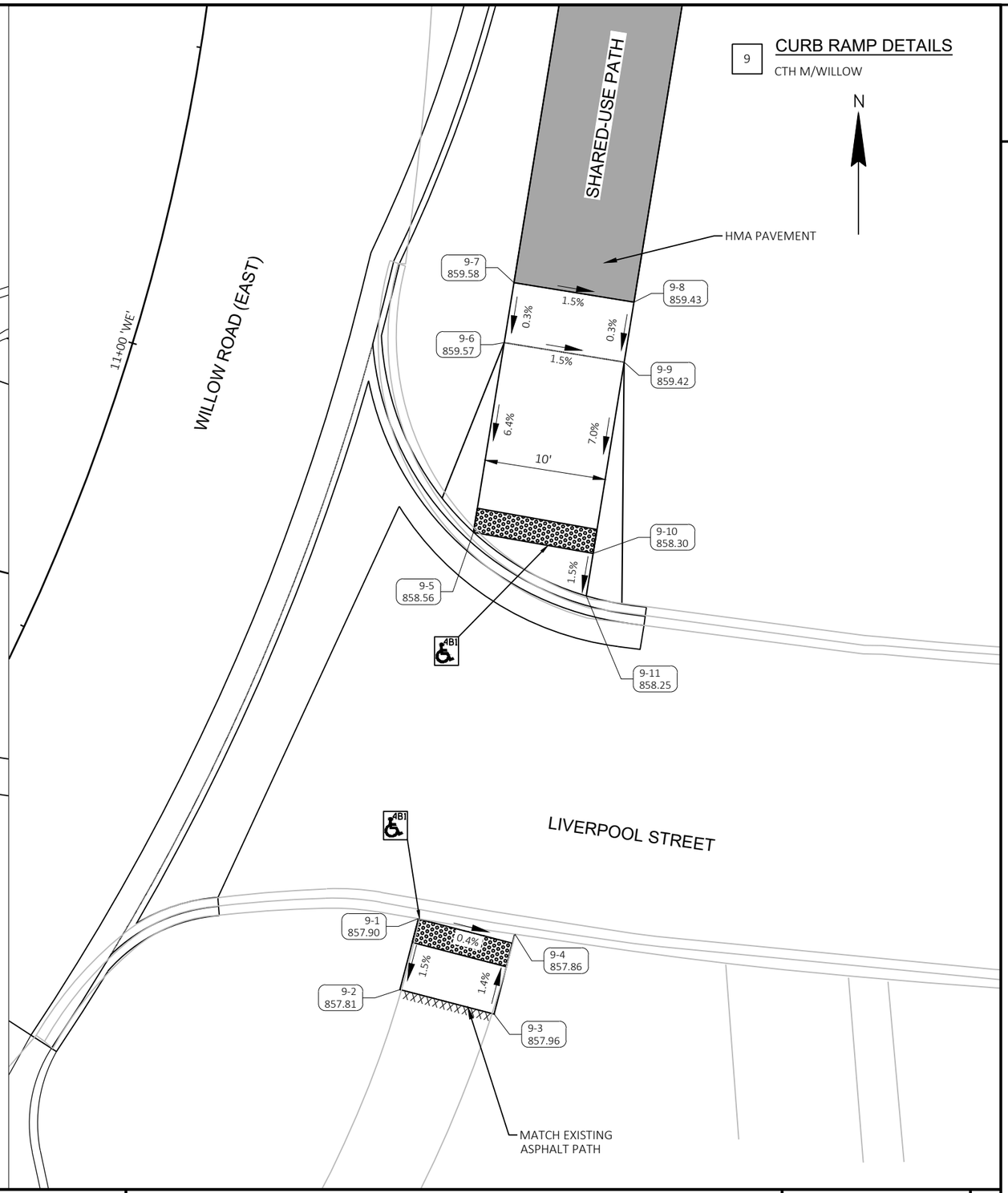
BACK OF CURB RADIUS = 118 FT
LANDING LENGTH 'XR' = 23.11 FT
RADIAL WARNING FIELD AREA = 39.19 SQ FT
RADIAL LONG CHORD = 19.80 FT

NOTE:

ALL CURB RAMPS LANDINGS SHALL BE 5'X5' MINIMUM IN AREA, CROSS SLOPES SHALL BE 1.5% IN ALL DIRECTIONS.

9 CURB RAMP DETAILS

CTH M/WILLOW



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS DETAIL 8/9 - WILLOW ROAD	SHEET 53	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021001-CD-CURB RAMPS.DWG
LAYOUT NAME - Willow

PLOT DATE : 4/12/2023 9:48 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

CURB RAMP DETAIL POINT TABLES

CTH M EB / WOODLAND DRIVE - SHEET 6					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
6-1	326+71.06 'EB'	73.27 LT	509540.181	808264.718	859.44
6-2	326+72.75 'EB'	85.81 LT	509552.719	808263.023	859.63
6-3	326+73.54 'EB'	91.75 LT	509558.665	808262.219	859.73
6-4	326+82.04 'EB'	79.88 LT	509549.464	808273.554	859.32
6-5	326+82.66 'EB'	84.47 LT	509554.059	808272.933	859.39
6-6	326+83.46 'EB'	90.42 LT	509560.005	808272.129	859.58

CTH M EB / WOODLAND DRIVE - SHEET 6					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
6-7	326+65.34 'EB'	13.00 LT	509480.552	808275.171	859.72
6-8	326+65.35 'EB'	20.32 LT	509487.615	808273.239	860.02
6-9	326+65.36 'EB'	28.00 LT	509495.020	808271.212	859.94
6-10	326+75.34 'EB'	13.00 LT	509483.201	808284.814	859.71
6-11	326+75.35 'EB'	20.31 LT	509490.254	808282.884	860.01
6-12	326+75.36 'EB'	27.98 LT	509497.650	808280.860	859.93

CTH M EB / WOODLAND DRIVE - SHEET 6					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
6-13	326+65.33 'EB'	28.00 RT	509441.013	808286.021	859.90
6-14	326+65.38 'EB'	34.80 RT	509434.468	808287.873	859.80
6-15	326+75.33 'EB'	28.00 RT	509443.663	808295.664	859.89
6-16	326+75.38 'EB'	34.72 RT	509437.192	808297.495	859.79

CTH M EB / KUPFER ROAD - SHEET 7					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
7-1	353+84.34 'EB'	53.00 RT	510132.139	810914.955	864.26
7-2	353+84.34 'EB'	63.00 RT	510122.495	810917.604	864.11
7-3	353+94.34 'EB'	63.00 RT	510125.146	810927.247	863.96
7-4	354+03.82 'EB'	63.00 RT	510127.659	810936.393	863.35
7-5	354+12.91 'EB'	63.00 RT	510130.065	810945.158	863.21
7-6	353+94.34 'EB'	53.00 RT	510134.788	810924.597	864.11
7-7	354+03.82 'EB'	53.00 RT	510137.301	810933.744	863.45
7-8	354+07.71 'EB'	53.00 RT	510138.332	810937.494	863.39

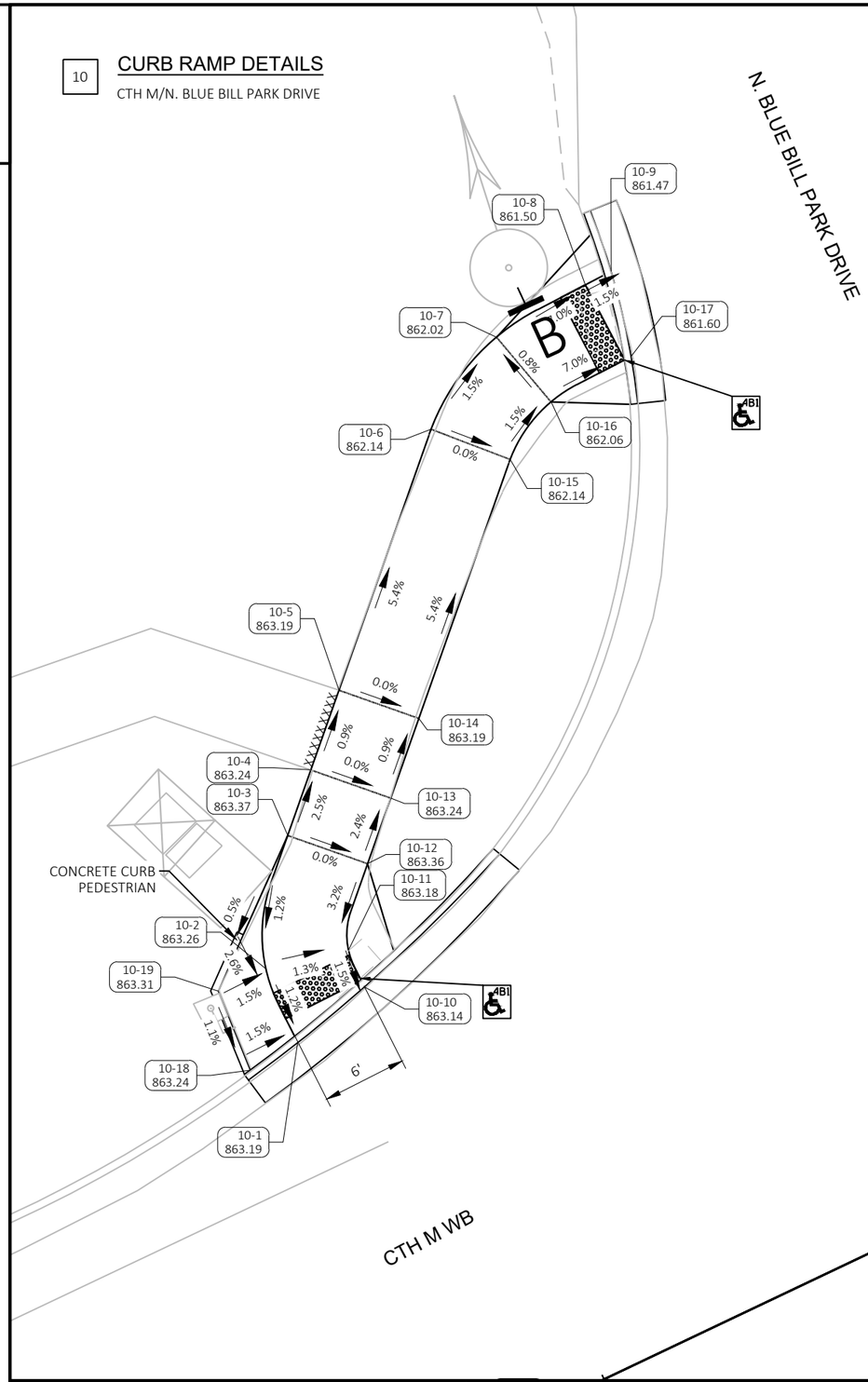
CTH M EB / KUPFER ROAD - SHEET 7					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
7-9	354+67.00 'EB'	53.52 RT	510153.536	810994.800	862.91
7-10	354+71.48 'EB'	53.52 RT	510154.723	810999.120	862.97
7-11	354+77.48 'EB'	53.52 RT	510156.312	811004.907	863.20
7-12	354+77.48 'EB'	63.52 RT	510146.669	811007.554	863.30
7-13	354+71.47 'EB'	63.52 RT	510145.079	811001.766	862.95
7-14	354+59.09 'EB'	63.52 RT	510141.800	810989.829	862.77

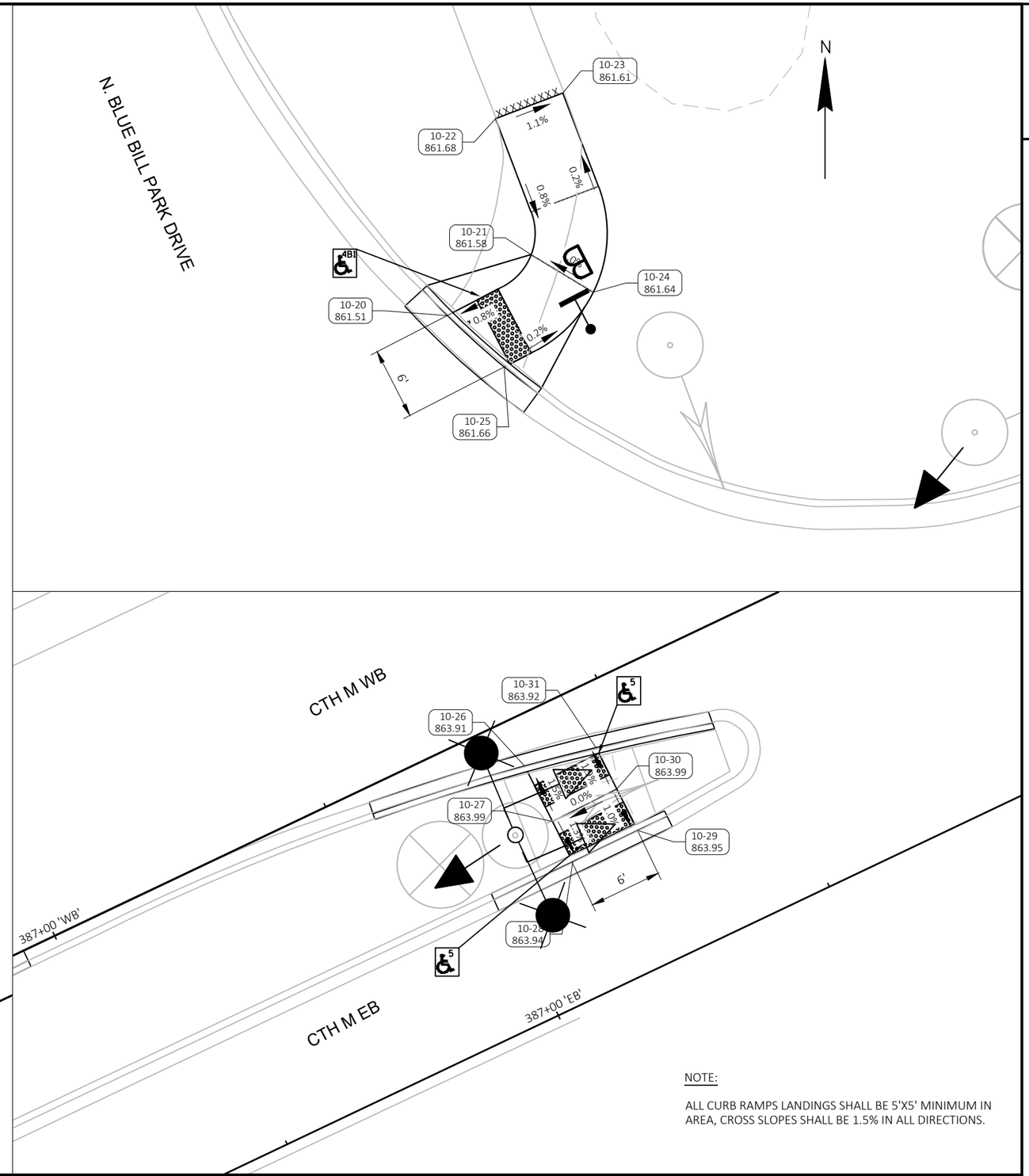
WILLOW ROAD (WEST) - SHEET 8					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
8-1	10+91.71 'WW'	17.00 RT	510398.182	812049.925	860.75
8-2	10+86.45 'WW'	21.55 RT	510398.737	812042.192	860.78
8-3	10+82.65 'WW'	25.29 RT	510399.167	812036.208	860.81
8-4	10+87.42 'WW'	33.16 RT	510389.195	812035.468	860.66
8-5	10+91.12 'WW'	29.63 RT	510388.780	812041.453	860.62
8-6	11+09.11 'WW'	17.00 RT	510386.939	812066.862	860.45

WILLOW ROAD (EAST) / LIVERPOOL STREET - SHEET 9					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
9-1	10+68.36 'WE'	39.70 RT	510624.807	813301.119	857.90
9-2	10+63.55 'WE'	41.07 RT	510618.956	813299.590	857.81
9-3	10+65.07 'WE'	48.84 RT	510616.939	813307.332	857.96
9-4	10+70.30 'WE'	47.36 RT	510623.511	813309.044	857.86
9-5	10+94.30 'WE'	31.47 RT	510656.587	813305.634	858.56
9-6	11+07.71 'WE'	29.43 RT	510672.194	813308.171	859.57
9-7	11+12.00 'WE'	29.03 RT	510677.130	813308.974	859.58
9-8	11+12.56 'WE'	39.01 RT	510675.525	813318.844	859.43
9-9	11+08.46 'WE'	39.39 RT	510670.590	813318.042	859.42
9-10	10+95.53 'WE'	41.36 RT	510654.844	813315.482	858.30
9-11	10+92.69 'WE'	41.95 RT	510651.343	813314.913	858.25

10 CURB RAMP DETAILS

CTH M/N. BLUE BILL PARK DRIVE





NOTE:

ALL CURB RAMPS LANDINGS SHALL BE 5'X5' MINIMUM IN AREA, CROSS SLOPES SHALL BE 1.5% IN ALL DIRECTIONS.

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS DETAIL 10 - CTH M/BLUE BILL PARK DR.	SHEET 55	E

11 CURB RAMP DETAILS

CTH M/WESTPORT ROAD

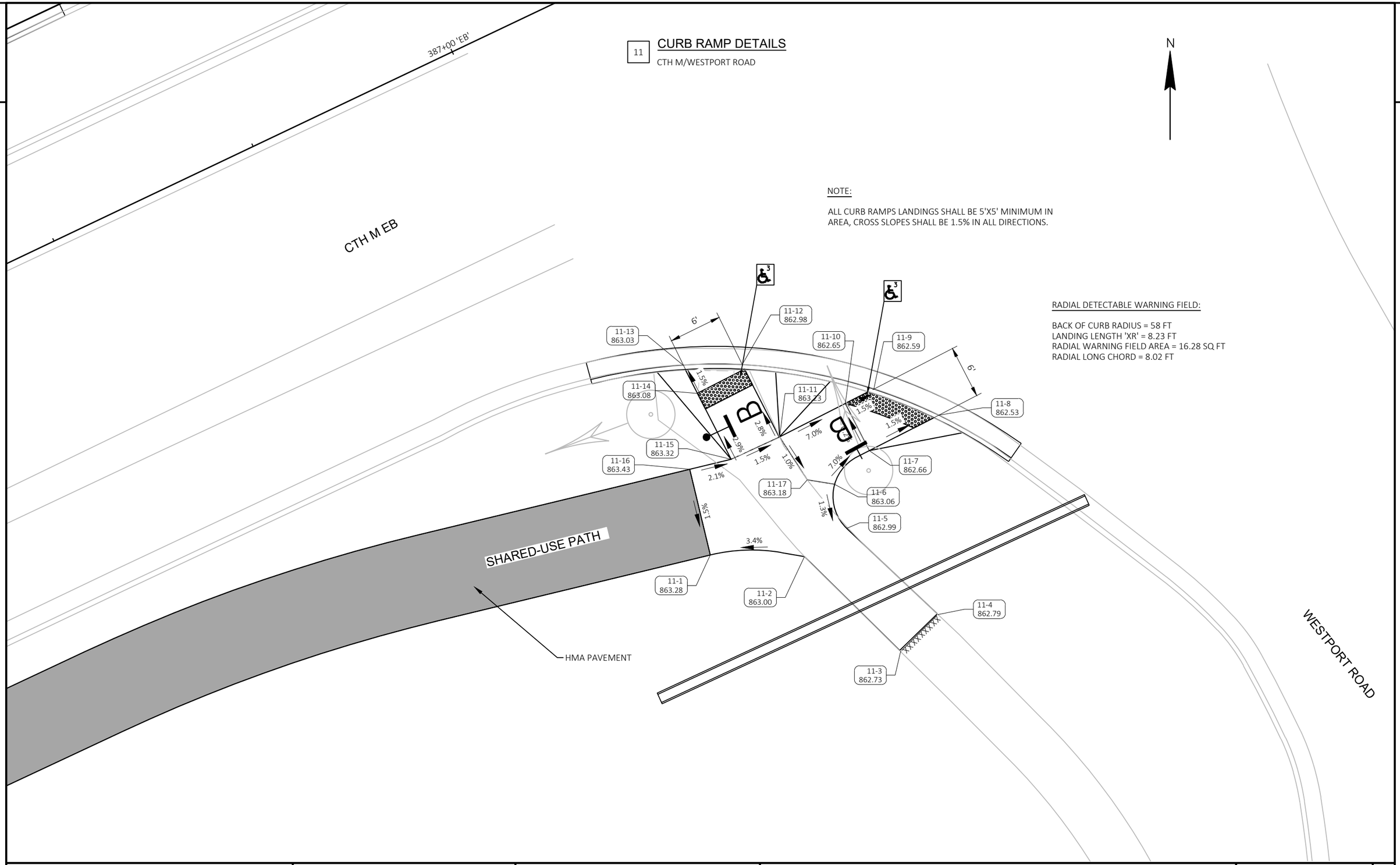
N

NOTE:

ALL CURB RAMPS LANDINGS SHALL BE 5'X5' MINIMUM IN AREA, CROSS SLOPES SHALL BE 1.5% IN ALL DIRECTIONS.

RADIAL DETECTABLE WARNING FIELD:

BACK OF CURB RADIUS = 58 FT
LANDING LENGTH 'XR' = 8.23 FT
RADIAL WARNING FIELD AREA = 16.28 SQ FT
RADIAL LONG CHORD = 8.02 FT



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS DETAIL 11 - CTH M/WESTPORT ROAD	SHEET 56	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021001-CD-CURB RAMPS.DWG
LAYOUT NAME - Bluebill (2)

PLOT DATE : 4/12/2023 9:49 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

2

12 CURB RAMP DETAILS

CTH M/WESTPORT ROAD

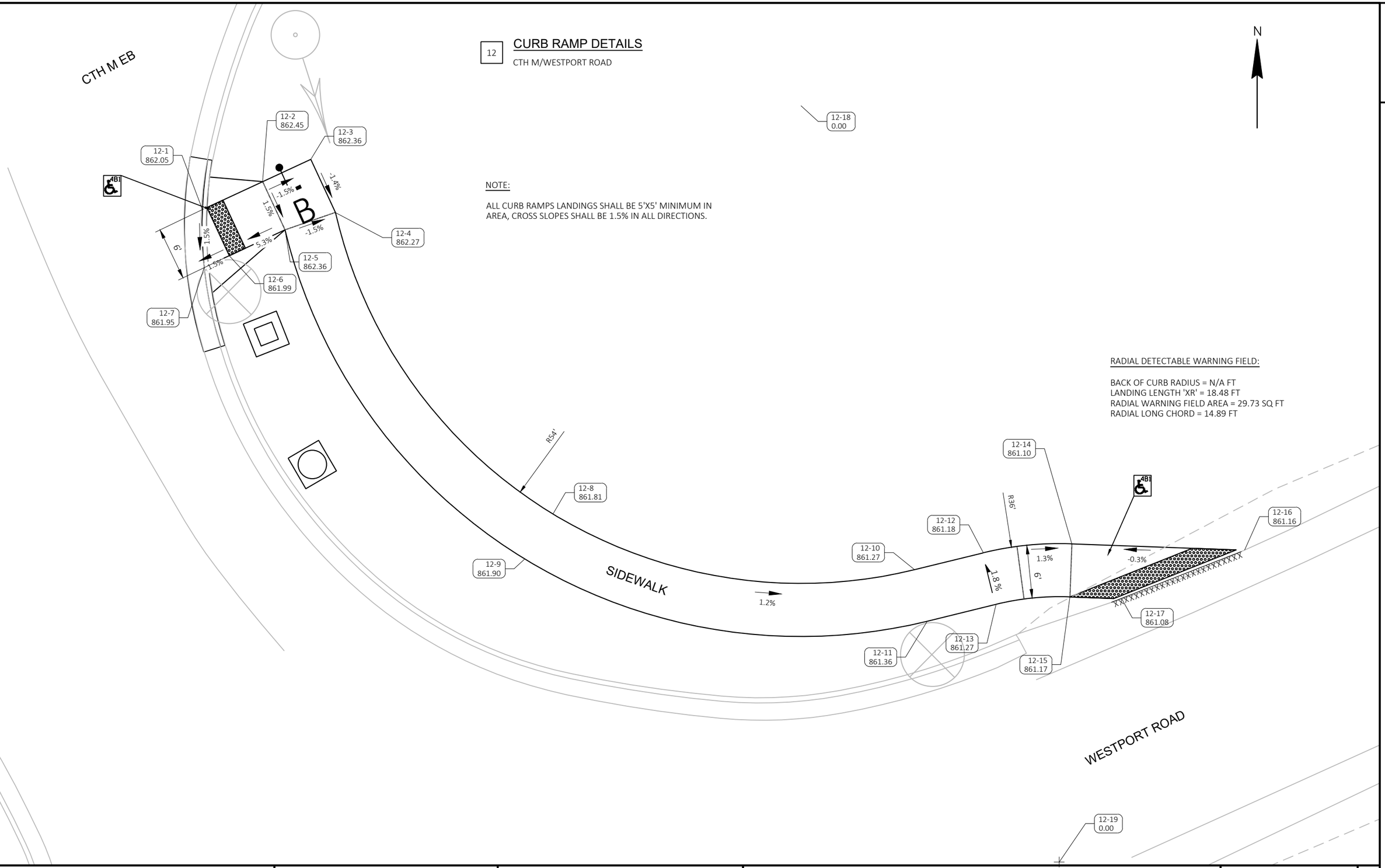
N

NOTE:

ALL CURB RAMPS LANDINGS SHALL BE 5'X5' MINIMUM IN AREA, CROSS SLOPES SHALL BE 1.5% IN ALL DIRECTIONS.

RADIAL DETECTABLE WARNING FIELD:

BACK OF CURB RADIUS = N/A FT
LANDING LENGTH 'XR' = 18.48 FT
RADIAL WARNING FIELD AREA = 29.73 SQ FT
RADIAL LONG CHORD = 14.89 FT



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS DETAIL 12 - CTH M/WESTPORT ROAD	SHEET 57	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021001-CD-CURB RAMPS.DWG
LAYOUT NAME - Bluebill (3)
PLOT DATE : 4/12/2023 9:49 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

CURB RAMP DETAIL POINT TABLES

CTH M EB/ N. BLUE BILL PARK DRIVE - SHEET 10					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
10-1	387+05.57 'EB'	54.86 LT	511190.763	814053.757	863.19
10-2	387+05.77 'EB'	60.57 LT	511196.012	814051.489	863.26
10-3	387+11.22 'EB'	68.42 LT	511205.442	814053.045	863.37
10-4	387+14.70 'EB'	71.91 LT	511210.086	814054.684	863.24
10-5	387+18.92 'EB'	76.16 LT	511215.733	814056.677	863.19
10-6	387+32.75 'EB'	90.06 LT	511234.222	814063.208	862.14
10-7	387+39.74 'EB'	93.96 LT	511240.741	814067.844	862.02
10-8	387+47.01 'EB'	94.61 LT	511244.457	814074.135	861.50
10-9	387+49.07 'EB'	94.69 LT	511245.410	814075.961	861.47
10-10	387+11.54 'EB'	56.39 LT	511194.708	814058.488	863.14
10-11	387+11.62 'EB'	59.24 LT	511197.316	814057.346	863.18
10-12	387+15.48 'EB'	64.19 LT	511203.445	814058.703	863.36
10-13	387+18.95 'EB'	67.68 LT	511208.090	814060.342	863.24
10-14	387+23.17 'EB'	71.93 LT	511213.737	814062.335	863.19
10-15	387+36.89 'EB'	85.72 LT	511232.077	814068.811	862.14
10-16	387+41.26 'EB'	88.15 LT	511236.152	814071.709	862.06
10-17	387+47.76 'EB'	88.64 LT	511239.382	814077.378	861.60
10-18	387+01.70 'EB'	54.54 LT	511188.820	814050.397	863.24
10-19	387+02.05 'EB'	60.57 LT	511194.415	814048.128	863.31

CTH M EB/ N. BLUE BILL PARK DRIVE - SHEET 10					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
10-20	387+96.19 'EB'	96.48 LT	511267.241	814117.755	861.51
10-21	388+04.67 'EB'	98.07 LT	511272.310	814124.735	861.58
10-22	388+06.86 'EB'	109.56 LT	511283.637	814121.780	861.68
10-23	388+12.84 'EB'	109.08 LT	511285.768	814127.389	861.61
10-24	388+08.00 'EB'	93.02 LT	511269.182	814129.908	861.64
10-25	387+98.64 'EB'	90.57 LT	511262.953	814122.505	861.66

CTH M EB - SHEET 10					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
10-26	387+06.37 'EB'	19.98 LT	511159.598	814069.443	863.91
10-27	387+06.49 'EB'	14.81 LT	511154.981	814071.767	863.99
10-28	387+06.57 'EB'	11.06 LT	511151.628	814073.455	863.94
10-29	387+12.57 'EB'	11.09 LT	511154.238	814078.859	863.95
10-30	387+12.48 'EB'	14.95 LT	511157.679	814077.126	863.99
10-31	387+12.40 'EB'	18.81 LT	511161.127	814075.391	863.92

CTH M EB / WESTPORT ROAD - SHEET 11					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
11-1	387+01.96 'EB'	64.09 RT	511081.775	814101.531	863.28
11-2	387+11.53 'EB'	68.82 RT	511081.605	814112.201	863.00
11-3	387+16.75 'EB'	83.23 RT	511070.826	814123.102	862.73
11-4	387+22.39 'EB'	81.25 RT	511075.038	814127.350	862.79
11-5	387+17.23 'EB'	67.99 RT	511084.800	814116.993	862.99
11-6	387+18.13 'EB'	62.88 RT	511089.805	814115.613	863.06
11-7	387+23.33 'EB'	61.13 RT	511093.610	814119.561	862.66
11-8	387+32.18 'EB'	60.89 RT	511097.628	814127.454	862.53
11-9	387+26.78 'EB'	55.04 RT	511100.600	814120.066	862.59
11-10	387+23.16 'EB'	55.13 RT	511098.957	814116.839	862.65
11-11	387+14.80 'EB'	55.36 RT	511095.164	814109.387	863.23
11-12	387+14.48 'EB'	46.14 RT	511103.356	814105.141	862.98
11-13	387+08.40 'EB'	43.30 RT	511103.312	814098.429	863.03
11-14	387+08.51 'EB'	46.90 RT	511100.103	814100.069	863.08
11-15	387+08.75 'EB'	55.29 RT	511092.631	814103.888	863.32
11-16	387+04.01 'EB'	54.30 RT	511091.496	814099.184	863.43
11-17	387+15.55 'EB'	61.10 RT	511090.304	814112.521	863.18

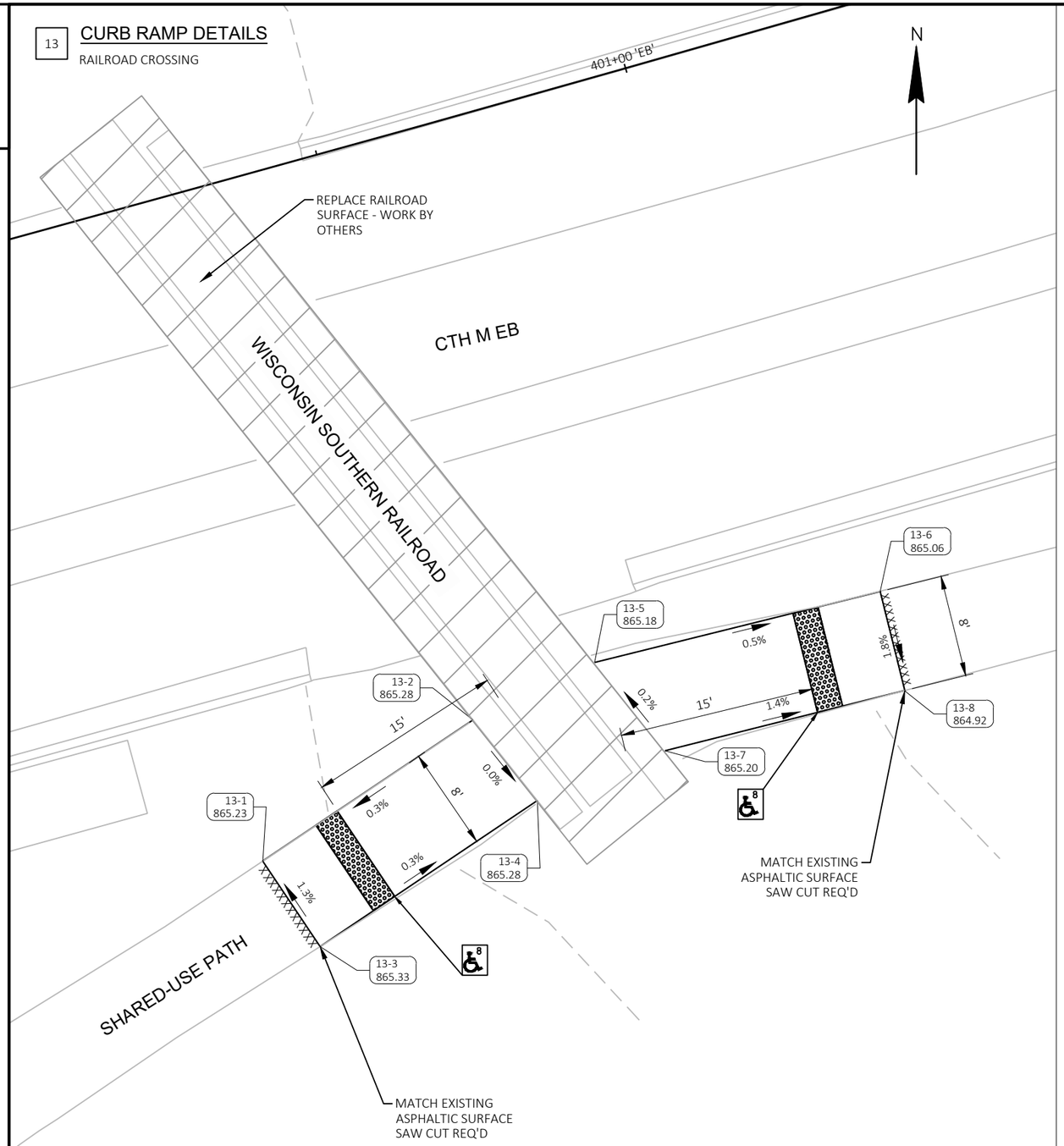
CTH M EB / WESTPORT ROAD - SHEET 12					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
12-1	388+00.79 'EB'	54.63 RT	511132.717	814186.738	862.05
12-2	388+08.30 'EB'	54.69 RT	511135.881	814193.550	862.45
12-3	388+14.30 'EB'	54.74 RT	511138.409	814198.992	862.36
12-4	388+14.20 'EB'	61.34 RT	511132.406	814201.736	862.27
12-5	388+08.25 'EB'	60.69 RT	511130.440	814196.078	862.36
12-6	388+01.30 'EB'	60.63 RT	511127.513	814189.776	861.99
12-7	387+98.17 'EB'	60.61 RT	511126.194	814186.938	861.95

CTH M EB / WESTPORT ROAD - SHEET 12					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
12-8	388+21.84 'EB'	102.71 RT	511098.320	814226.381	861.81
12-9	388+16.78 'EB'	105.93 RT	511093.238	814223.191	861.90
12-10	388+56.07 'EB'	125.93 RT	511092.026	814267.265	861.27
12-11	388+54.86 'EB'	131.81 RT	511086.198	814268.693	861.36
12-12	388+63.92 'EB'	127.55 RT	511093.933	814275.050	861.18
12-13	388+62.71 'EB'	133.43 RT	511088.106	814276.478	861.27
12-14	388+70.99 'EB'	130.30 RT	511094.939	814285.050	861.10
12-15	388+68.31 'EB'	135.67 RT	511088.943	814284.831	861.17
12-16	388+90.26 'EB'	139.93 RT	511094.246	814304.576	861.16
12-17	388+74.61 'EB'	138.81 RT	511088.728	814290.692	861.08

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
12-18	388+66.96 'EB'	73.04 RT	511144.474	814254.414	54
12-19	388+56.66 'EB'	162.81 RT	511058.968	814283.618	36

13 CURB RAMP DETAILS

RAILROAD CROSSING



NOTE:

ALL CURB RAMPS LANDINGS SHALL BE 5'X5' MINIMUM IN AREA, CROSS SLOPES SHALL BE 1.5% IN ALL DIRECTIONS.

CTH M EB / RAILROAD - SHEET 13					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
13-1	400+56.35 'EB'	51.97 RT	511557.330	815355.132	865.23
13-2	400+74.99 'EB'	45.72 RT	511568.332	815371.526	865.28
13-3	400+58.90 'EB'	59.58 RT	511550.676	815359.606	865.33
13-4	400+78.09 'EB'	53.10 RT	511562.058	815376.532	865.28
13-5	400+85.19 'EB'	43.93 RT	511572.820	815380.996	865.18
13-6	401+07.86 'EB'	44.67 RT	511578.351	815403.262	865.06
13-7	400+88.59 'EB'	52.03 RT	511565.946	815386.492	865.20
13-8	401+07.58 'EB'	52.65 RT	511570.604	815405.186	864.92

2

2

2

N

SLOPE INTERCEPTS (TYP.)

NLEB CLEARING STAGE 1
(SEE SPECIAL PROVISIONS)

PROP R/W

ONCKEN RD

R/W

270WB+00

270EB+00

275WB+00

275EB+00

280WB+00

280EB+00

285W

285E

MATCHLINE STA 285WB+00

CTH M

R/W

TLE

LEGEND

- CLEARING AND GRUBBING (ID)
- CLEARING AND GRUBBING (STA)
- REMOVING ASPHALT SURFACE
- REMOVING BEAMGUARD
- REMOVING CURB AND GUTTER
- REMOVING FENCE
- REMOVING MANHOLES
- REMOVING INLETS
- REMOVING CONCRETE SIDEWALK
- REMOVING STORM SEWER
- XXXXXXXXX SAWING ASPHALT

N

PROP R/W

SHILLING LN

R/W

TLE

SLOPE INTERCEPTS (TYP.)

R/W

PROP R/W

290WB+00

290EB+00

CTH M

295WB+00

295EB+00

300W

MATCHLINE STA 300WB+00

MATCHLINE STA 285WB+00

B+00

B+00

R/W

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	REMOVAL PLAN	SHEET 60	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\020201-RM.DWG
LAYOUT NAME - 01

PLOT DATE : 1/25/2023 1:50 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

MATCHLINE STA 85K+00

BUILDINGS REMOVED BY OTHERS

CTH K

R/W

SLOPE INTERCEPTS (TYP.)

PROP R/W

305WB+00

305EB+00

18NSB+00

310WB+00

310EB+00

CTH M

MATCHLINE STA 315WB+00

315W

310

R/W

MATCHLINE STA 17NSB+00

MATCHLINE STA 300WB+00

B+00

00EB+00

NORTH SHORE BAY DR

R/W

NLEB CLEARING STAGE 1
(SEE SPECIAL PROVISIONS)

N

LEGEND

- CLEARING AND GRUBBING (ID)
- CLEARING AND GRUBBING (STA)
- REMOVING ASPHALT SURFACE
- REMOVING BEAMGUARD
- REMOVING CURB AND GUTTER
- REMOVING FENCE
- REMOVING MANHOLES
- REMOVING INLETS
- REMOVING CONCRETE SIDEWALK
- REMOVING STORM SEWER
- XXXXXXXXX SAWING ASPHALT

N

MATCHLINE STA 13WD+00

NLEB CLEARING STAGE 1
(SEE SPECIAL PROVISIONS)

WOODLAND DR

NLEB CLEARING STAGE 1
(SEE SPECIAL PROVISIONS)

SLOPE INTERCEPTS (TYP.)

PROP R/W

MATCHLINE STA 315WB+00

CTH M

320WB+00

320EB+00

325WB+00

325EB+00

330W

MATCHLINE STA 330WB+00

B+00

315EB+00

R/W

TLE

REMOVE EXISTING BOARDWALK

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	REMOVAL PLAN	SHEET 61	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\020201-RM.DWG
LAYOUT NAME - 02

PLOT DATE : 1/25/2023 1:51 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

NLEB CLEARING STAGE 1
(SEE SPECIAL PROVISIONS)

SLOPE INTERCEPTS (TYP.)

PROP R/W

MATCHLINE STA 330WB+00

B+00

330EB+00

330

335WB+00

335EB+00

335

R/W

TLE

CTH M

340WB+00

340EB+00

340

345W

MATCHLINE STA 345WB+00

GRUB STUMPS AND ASSOCIATED
ROOTS TO A MINIMUM DEPTH OF
ONE FOOT BELOW EXISTING GRADE
IN AREA UNDER PROPOSED BOADWALK

N

LEGEND

- CLEARING AND GRUBBING (ID)
- CLEARING AND GRUBBING (STA)
- REMOVING ASPHALT SURFACE
- REMOVING BEAMGUARD
- REMOVING CURB AND GUTTER
- REMOVING FENCE
- REMOVING MANHOLES
- REMOVING INLETS
- REMOVING CONCRETE SIDEWALK
- REMOVING STORM SEWER
- XXXXXXXXX SAWING ASPHALT

TLE

PROP R/W

MATCHLINE STA 345WB+00

B+00

345EB+00

345

R/W

350WB+00

350EB+00

350

CTH M

PROP R/W

XXXX

MARY LAKE RD

N71°

N

SLOPE INTERCEPTS (TYP.)

PROP R/W

355WB+00

355EB+00

355

360W

MATCHLINE STA 360WB+00

PROP R/W

KUPFER RD

TLE

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	REMOVAL PLAN	SHEET 62	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\020201-RM.DWG
LAYOUT NAME - 03

PLOT DATE : 1/25/2023 1:52 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

LEGEND

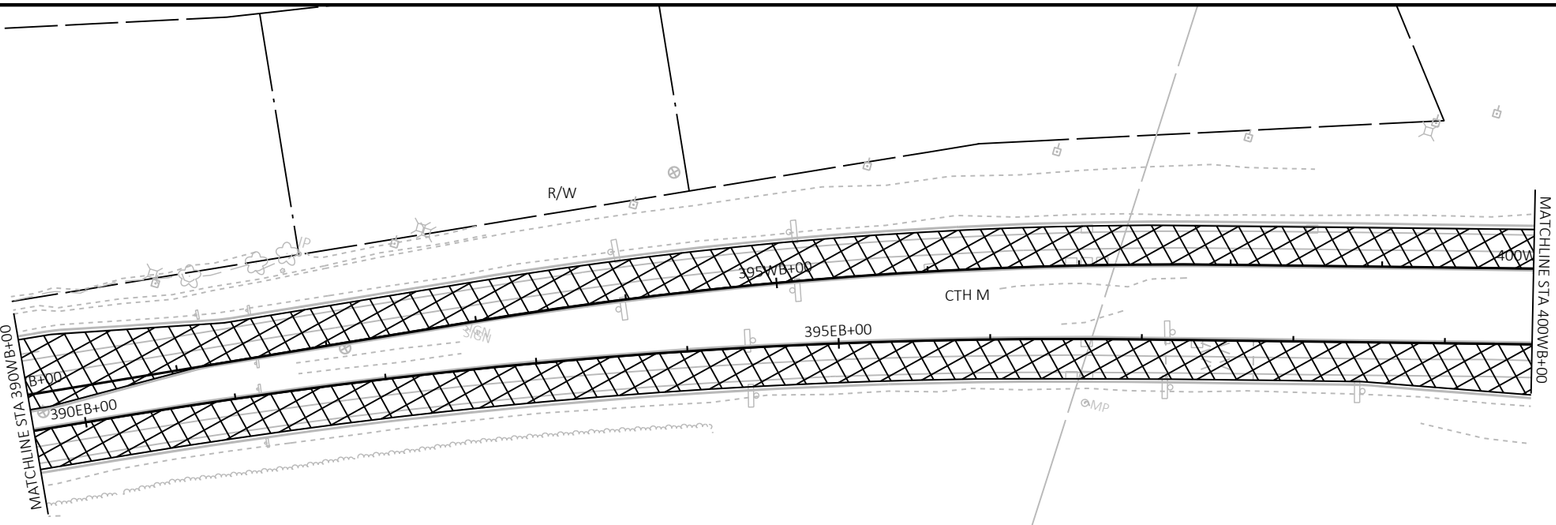
- CLEARING AND GRUBBING (ID)
- CLEARING AND GRUBBING (STA)
- REMOVING ASPHALT SURFACE
- REMOVING BEAMGUARD
- REMOVING CURB AND GUTTER
- REMOVING FENCE
- REMOVING MANHOLES
- REMOVING INLETS
- REMOVING CONCRETE SIDEWALK
- REMOVING STORM SEWER
- XXXXXXXXX SAWING ASPHALT

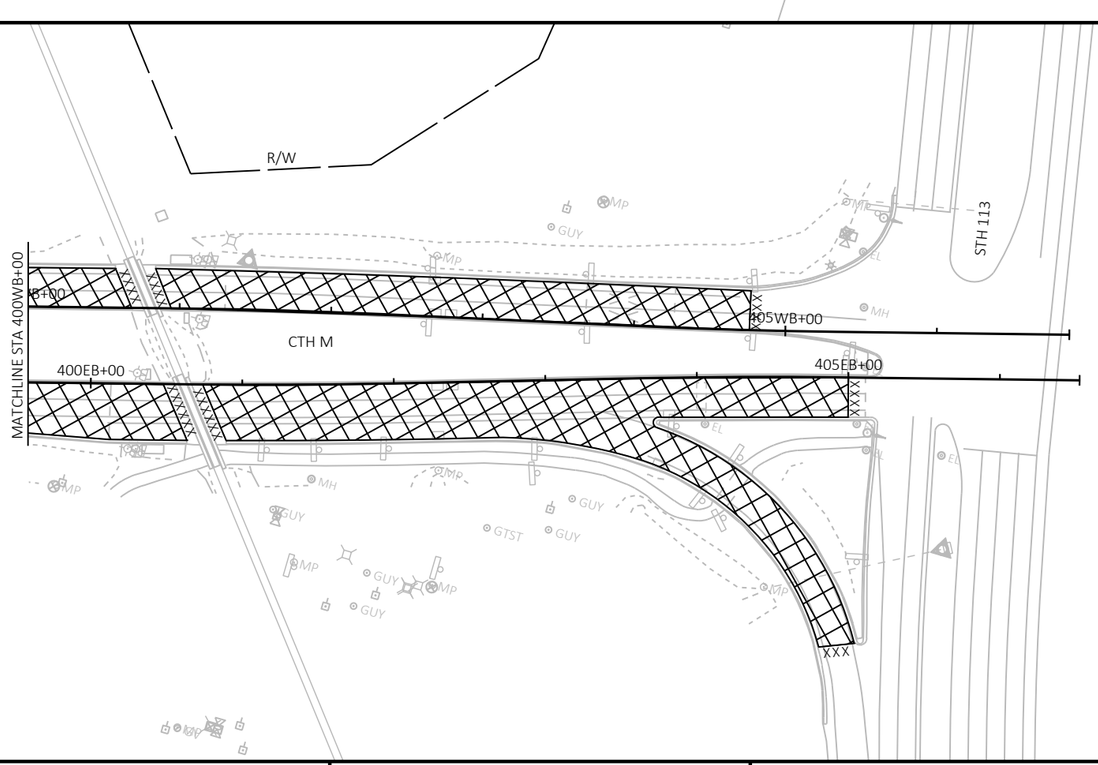
TLE
PROP R/W
SLOPE INTERCEPTS (TYP.)
R/W
MATCHLINE STA 360WB+00
B+00
360EB+00
360
365WB+00
365EB+00
365
370WB+00
370EB+00
375W
MATCHLINE STA 375WB+00
CTH M
TLE
PROP R/W
WILLOW RD
XXXXXXXXXXXXXXX
FLAG
N BLUE BILL PARK DR
XXXXXX
MATCHLINE STA 375WB+00
B+00
375EB+00
ABANDONING STORM SEWER
SLOPE INTERCEPTS (TYP.)
R/W
380WB+00
380EB+00
380
CTH M
R/W
EXISTING MANHOLE AND STORM SEWER TO REMAIN
XXXXX
WILLOW RD
XXXXX
XXXXX
R/W
XXXXX
385WB+00
385EB+00
385
XXXXXXXX
390W
MATCHLINE STA 390WB+00
S BLUE BILL PARK DR
WESTPORT RD
R/W

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	REMOVAL PLAN	SHEET 63	E

2

2





LEGEND

- CLEARING AND GRUBBING (ID)
- CLEARING AND GRUBBING (STA)
- REMOVING ASPHALT SURFACE
- REMOVING BEAMGUARD
- REMOVING CURB AND GUTTER
- REMOVING FENCE
- REMOVING MANHOLES
- REMOVING INLETS
- REMOVING CONCRETE SIDEWALK
- REMOVING STORM SEWER
- XXXXXXXXX SAWING ASPHALT

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	REMOVAL PLAN	SHEET 64	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\020201-RM.DWG
LAYOUT NAME - 05

PLOT DATE : 1/25/2023 1:53 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

REMOVING INLETS (TYP.)

75K+00

CTH K

80K+00

R/W

TLE

PROP R/W

EXISTING SEPTIC FIELD
USE CAUTION WHEN
CLEARING AND GRUBBING TREES

SLOPE INTERCEPTS (TYP.)

BUILDINGS REMOVED BY OTHERS

MATCHLINE STA 85K+00

N

LEGEND

- CLEARING AND GRUBBING (ID)
- CLEARING AND GRUBBING (STA)
- REMOVING ASPHALT SURFACE
- REMOVING BEAMGUARD
- REMOVING CURB AND GUTTER
- REMOVING FENCE
- REMOVING MANHOLES
- REMOVING INLETS
- REMOVING CONCRETE SIDEWALK
- REMOVING STORM SEWER
- XXXXXXXXX SAWING ASPHALT

MATCHLINE STA 76K+00

CTH K

300WB+00

300EB+00

MATCHLINE STA 17NSB+00

16NSB+00

14CC+00

13CC+00

12CC+00

11CC+00

14NSB+00

13NSB+00

SLOPE INTERCEPTS (TYP.)

N

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	REMOVAL PLAN - CTH K & NORTH SHORE BAY DRIVE	SHEET 65	E

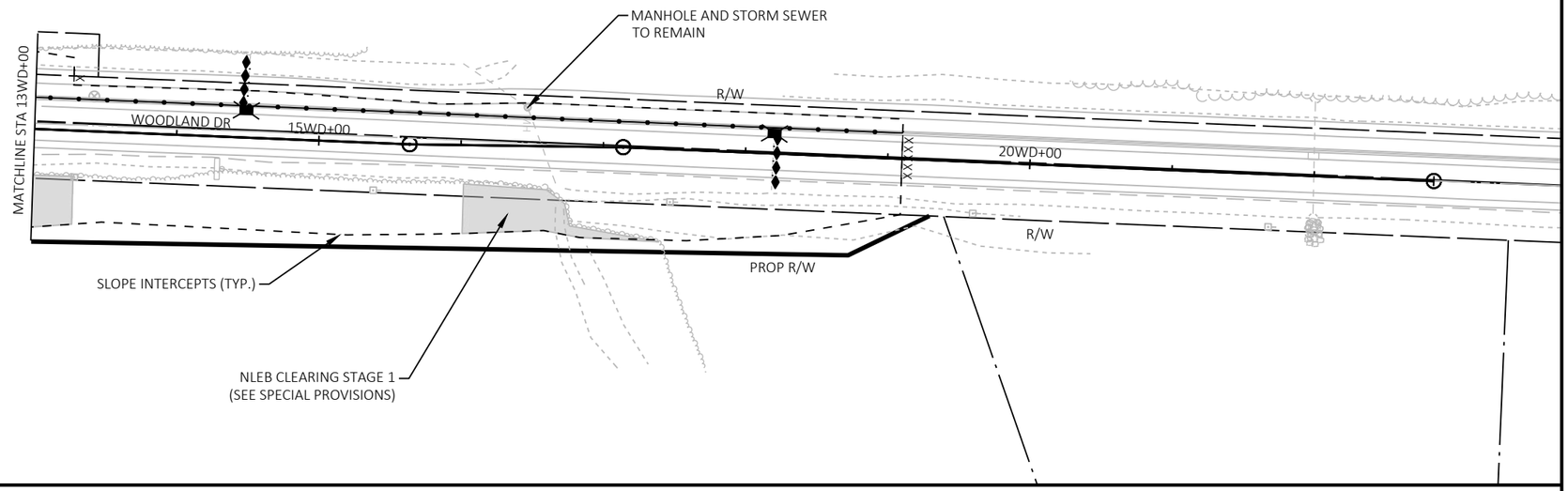
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\020201-RM.DWG
LAYOUT NAME - K

PLOT DATE : 1/25/2023 1:54 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

N



LEGEND

- CLEARING AND GRUBBING (ID)
- CLEARING AND GRUBBING (STA)
- REMOVING ASPHALT SURFACE
- REMOVING BEAMGUARD
- REMOVING CURB AND GUTTER
- REMOVING FENCE
- REMOVING MANHOLES
- REMOVING INLETS
- REMOVING CONCRETE SIDEWALK
- REMOVING STORM SEWER
- XXXXXXXXX SAWING ASPHALT

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	REMOVAL PLAN - WOODLAND DR	SHEET 66	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\020201-RM.DWG
LAYOUT NAME - WD
PLOT DATE : 1/25/2023 1:55 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

GENERAL ELEVATION DETAIL NOTES:

- CURB AND GUTTER ELEVATIONS REFERENCE FLAG OF GUTTER
- ELEVATIONS SHOWN AT 50 FT INTERVALS, TYP.
- SLOPE ARROWS DESIGNATE WATER FLOW

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
1-1	271+45.99 EB	109.55 LT	505691.665	805581.034		866.60
1-2	271+65.38 EB	69.10 LT	505711.778	805621.129		863.82
1-3	272+07.40 EB	53.40 LT	505754.073	805636.072		863.46
1-4C	272+05.87 EB	113.38 LT	505751.464	805576.129	60	0.00
1-5	271+53.14 EB	74.04 RT	505702.129	805764.474		863.19
1-6	271+64.84 EB	45.73 RT	505713.317	805735.954		863.30
1-7	271+93.14 EB	34.00 RT	505741.401	805723.713		863.40
1-8C	271+93.15 EB	74.00 RT	505742.126	805763.710	40	0.00
1-9C	271+85.48 EB	3.91 RT	505733.054	805685.946	2	0.00

ONCKEN RD

PARK ENTRANCE

CTH M (WB)

CTH M (EB)

BEGIN PROJECT
STA 271+51.14 'EB'
MATCH EXISTING
SAW CUT REQ'D

ASPHALTIC FLUMES
STA 272+13.33

ASPHALTIC FLUMES
STA 271+98.08

MAINTENANCE OPENING

MATCH LINE 276+80

PLAN DETAILS LEGEND

	TRAFFIC FLOW
■	PROPOSED STORM SEWER INLET
○	PROPOSED STORM SEWER MANHOLE
- - - -	SLOPE INTERCEPT
XXXXXXX	SAWING ASPHALT
//////////	SAWING CONCRETE
CS-5	CONCRETE SIDEWALK 5-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
ASPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
HMA-3	3-INCH, HMA PAVEMENT 4 LT 58-28 S
HMA-4	4-INCH, HMA PAVEMENT 4 LT 58-28 S
HMA-5	5.75-INCH, HMA PAVEMENT 4 MT 58-28 H & HMA PAVEMENT 3 MT 58-28 S
HMA-6A	6-INCH HMA PAVEMENT 4 MT 58-28 H & HMA PAVEMENT 3 MT 58-28 S
HMA-6B	6.25-INCH, HMA PAVEMENT 4 MT 58-28 H & HMA PAVEMENT 3 MT 58-28 S
HMA-7	7-INCH, HMA PAVEMENT 4 MT 58-28 H & HMA PAVEMENT 3 MT 58-28 S
TER	TERRACE (SEE TYPICAL SECTION FOR LANDSCAPING TYPE)
GRVL-6	6-INCH BASE AGGREGATE DENSE 3/4 -INCH
CG-18	CONCRETE CURB & GUTTER, 18-INCH TYPE D
CG-30	CONCRETE CURB & GUTTER, 30-INCH TYPE D
CGS-36	CONCRETE CURB & GUTTER, 6-INCH SLOPED 36-INCH TYPE D
CG-TBT	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBT
CG-TBTT	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT
CP	CONCRETE CURB PEDESTRIAN
MGS	MGS GUARDRAIL (SEE PLANS FOR TYPE/LOCATION)
SN-1	CONCRETE MEDIAN SLOPED NOSE - TYPE-1
FLUME	ASPHALTIC FLUMES
CSD	CONCRETE SURFACE DRAINS
CPAS	CONCRETE PAVEMENT APPROACH SLAB
(HP)	HIGH POINT
(LP)	LOW POINT
X-XC	LAYOUT POINT ("C" DENOTES RADIUS CENTER POINT)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CTH M	SHEET 67	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - CTH M 01

PLOT DATE : 4/12/2023 10:27 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

MGS

STRUCTURE
B-13-601

8' (6' PAVED)

+04.79, -23.00' LT

+77.96, -27.48' LT

+97.96, -30.00' LT

860.74 860.55 860.46 860.47 860.57 860.77 861.01 861.25 861.46 861.73 862.00 862.27

+09.80

CTH M (WB)

HMA-7

860.66 860.50 860.43 860.46 860.59 860.81 861.08 861.35 861.62 861.89 862.16 862.43

277 278 279 280 281 282

860.43(LP)

11'

11'

TER

CG-30

277 278 279 280 281 282

860.68 860.51 860.44 860.46 860.59 860.81 861.08 861.35 861.62 861.89 862.16 862.43

860.44(LP)

MATCH LINE 276+80

+11.42

CTH M (EB)

HMA-7

11' 11'

MATCH LINE 282+60

860.60 860.43 860.36 860.34 860.47 860.69 860.88 861.19 861.46 861.73 862.00 862.28

CGS-36

ASPHALTIC FLUMES
STA 278+05.08

+99.73, 26.46' RT

+62.12, 28.00' RT

+02.15, 32.00' RT
MGS EAT POST 1

+55.24, 30.00' RT

+42.63, 30.00' RT

MGS

DORN CREEK

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CTH M	SHEET 68	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - CTH M 02

PLOT DATE : 4/12/2023 10:27 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

+73.84, -30.00' LT

+26.91, -32.00' LT
MGS EAT POST 1

+66.92, -27.99' LT

+23.27, -28.00' LT

8' (6' PAVED)

862.52 862.82 863.12 863.39 863.66 863.93 864.20 864.47 864.74 865.03 865.37

HMA-7

CTH M (WB)

11'
11'

862.70 862.97 863.24 863.51 863.78 864.05 864.32 864.59 864.86 865.15 865.49

283 284 285 286 287 288

TER

CG-30

283 284 285 286 287 288

862.70 862.97 863.24 863.51 863.78 864.05 864.32 864.59 864.86 865.14 865.42

HMA-7

CTH M (EB)

11'
11'

862.58 862.85 863.12 863.39 863.66 863.93 864.20 864.47 864.74 865.02 865.30

MATCH LINE 282+60

MATCH LINE 288+40

+62.74, 28.00' RT

8' (6' PAVED)

GRVL-6

STA 288+18.43, 69.08' RT

DORN CREEK POND

FIELD ENTRANCE

STA 288+30.44, 68.99' RT

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CTH M	SHEET 69	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - CTH M 03

PLOT DATE : 4/12/2023 10:28 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

ASPHALTIC FLUMES
STA 288+61.22

+66.21, -26.00' LT

STA 289+59.84, -91.58' LT

STA 289+59.82, -79.68' LT

GRVL-6

CD-6

CGS-36

END NORMAL CROWN +08.73

+98.22 BEGIN FULL SUPER

865.75 865.93 866.22 866.67 867.12 867.57 868.02 868.45 868.83 869.34 869.85 870.36 870.99

2.0% 3.7%

11'

CTH M (WB)

HMA-7

865.87 866.30 866.75 867.20 867.65 868.10 868.53 868.90 869.23 869.51 869.77 870.03

2.0% 3.7%

289 290 291 292 293 294

+15.49 +45.49

CD-6

CG-30

TER

289 290 291 292 293 294

865.72 866.04 866.36 866.68 866.99 867.31 867.63 867.95 868.27 868.59 868.91 869.07 869.23

MATCH LINE 288+40

11'

11'

CTH M (EB)

HMA-7

2.0% 3.7%

MATCH LINE 294+20

865.61 865.92 866.24 866.56 866.87 867.19 867.51 867.83 868.05 868.24 868.40 868.34

2.0% 3.7%

8' (6' PAVED)

+20.08 END NORMAL CROWN

+00.04, 25.99' RT

ASPHALTIC FLUMES
STA 292+93.23

CGS-36

BEGIN FULL SUPER +09.56

ASPH

STA 289+36.70, 75.73' RT

STA 289+24.69, 75.57' RT

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CTH M	SHEET 70	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - CTH M 04

PLOT DATE : 4/12/2023 10:28 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

SEE SHILLING CUL DE SAC PLAN DETAIL SHEETS

11+00

CGS-36

HMA-7

CTH M (WB)

TER

CG-30

HMA-7

CTH M (EB)

CGS-36

ASPHALTIC FLUMES
STA 298+94.31

ASPHALTIC FLUMES
STA 296+82.41

+89.46, 26.00' LT

+50.41

+11.06

+77.61, 26.00' RT

8' (6' PAVED)

8' (6' PAVED)

11'

11'

11'

11'

(HP) 871.50

871.44

871.24

871.44

870.48

870.54 (HP)

870.29

870.48

295

870.22 (HP)

296

870.21

870.17

870.11

295

869.86

869.54

869.21

869.25

869.25 (HP)

869.15

868.90

868.58

870.99

870.74

870.48

870.23

870.03

297

870.03

869.78

869.52

298

869.27

869.01

299

868.74

868.41

300

869.77

869.44

869.99

869.73

298

869.46

869.22

299

868.96

868.66

868.95

868.70

868.44

868.19

867.93

867.63

MATCH LINE 296+20

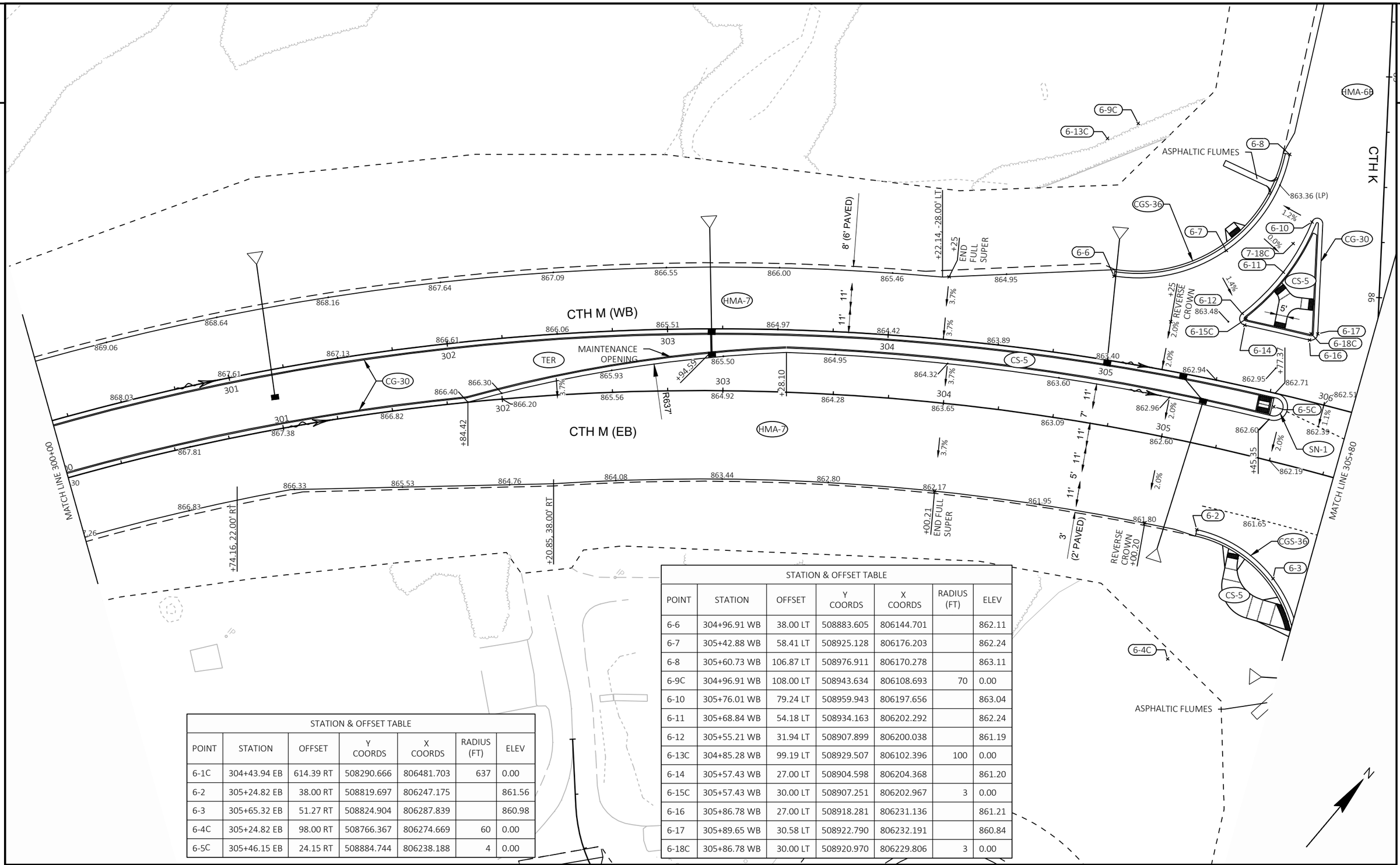
MATCH LINE 300+00

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CTH M	SHEET 71	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - CTH M 05

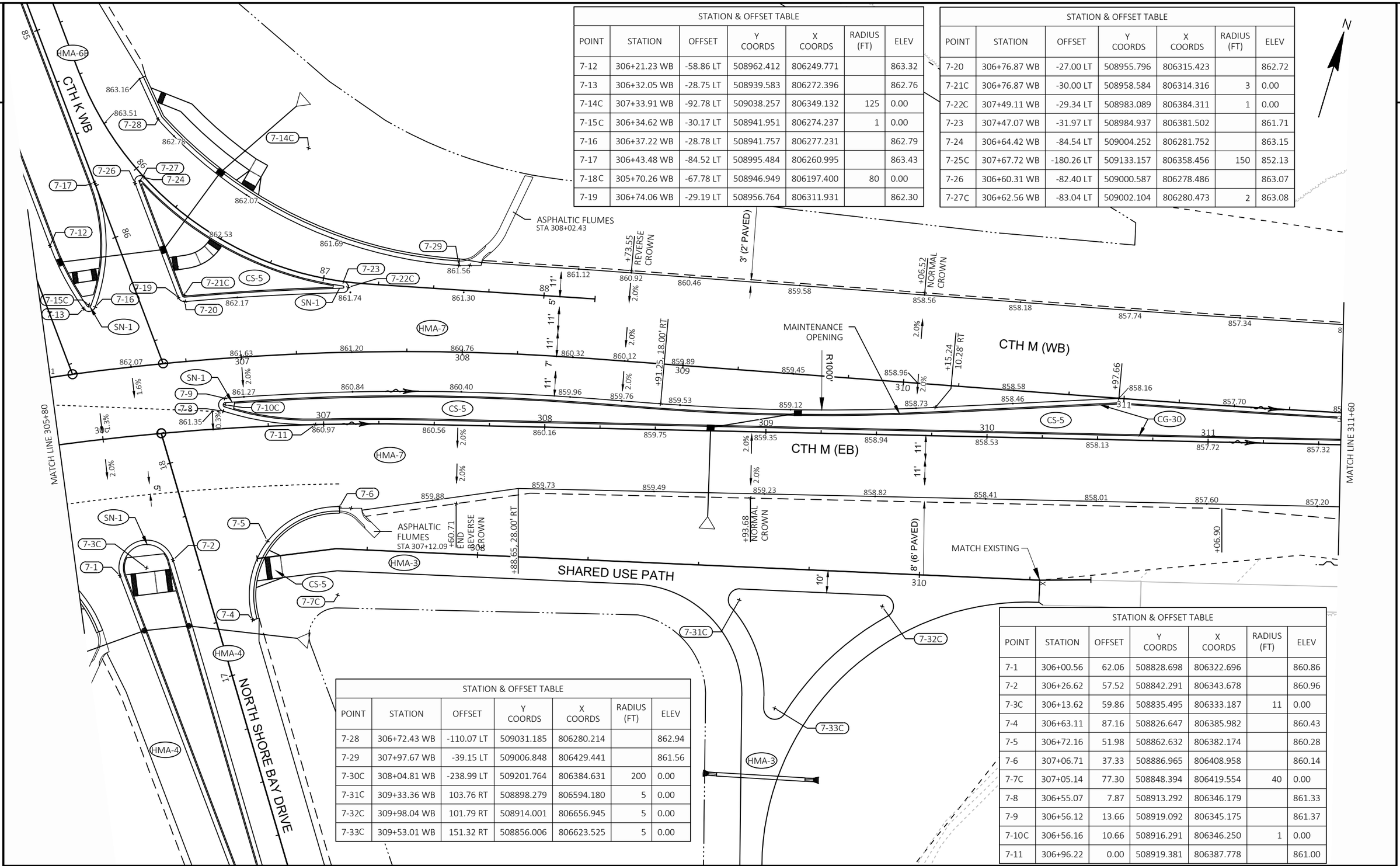
PLOT DATE : 4/12/2023 10:29 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
6-1C	304+43.94 EB	614.39 RT	508290.666	806481.703	637	0.00
6-2	305+24.82 EB	38.00 RT	508819.697	806247.175		861.56
6-3	305+65.32 EB	51.27 RT	508824.904	806287.839		860.98
6-4C	305+24.82 EB	98.00 RT	508766.367	806274.669	60	0.00
6-5C	305+46.15 EB	24.15 RT	508884.744	806238.188	4	0.00

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
6-6	304+96.91 WB	38.00 LT	508883.605	806144.701		862.11
6-7	305+42.88 WB	58.41 LT	508925.128	806176.203		862.24
6-8	305+60.73 WB	106.87 LT	508976.911	806170.278		863.11
6-9C	304+96.91 WB	108.00 LT	508943.634	806108.693	70	0.00
6-10	305+76.01 WB	79.24 LT	508959.943	806197.656		863.04
6-11	305+68.84 WB	54.18 LT	508934.163	806202.292		862.24
6-12	305+55.21 WB	31.94 LT	508907.899	806200.038		861.19
6-13C	304+85.28 WB	99.19 LT	508929.507	806102.396	100	0.00
6-14	305+57.43 WB	27.00 LT	508904.598	806204.368		861.20
6-15C	305+57.43 WB	30.00 LT	508907.251	806202.967	3	0.00
6-16	305+86.78 WB	27.00 LT	508918.281	806231.136		861.21
6-17	305+89.65 WB	30.58 LT	508922.790	806232.191		860.84
6-18C	305+86.78 WB	30.00 LT	508920.970	806229.806	3	0.00



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
7-12	306+21.23 WB	-58.86 LT	508962.412	806249.771		863.32
7-13	306+32.05 WB	-28.75 LT	508939.583	806272.396		862.76
7-14C	307+33.91 WB	-92.78 LT	509038.257	806349.132	125	0.00
7-15C	306+34.62 WB	-30.17 LT	508941.951	806274.237	1	0.00
7-16	306+37.22 WB	-28.78 LT	508941.757	806277.231		862.79
7-17	306+43.48 WB	-84.52 LT	508995.484	806260.995		863.43
7-18C	305+70.26 WB	-67.78 LT	508946.949	806197.400	80	0.00
7-19	306+74.06 WB	-29.19 LT	508956.764	806311.931		862.30

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
7-20	306+76.87 WB	-27.00 LT	508955.796	806315.423		862.72
7-21C	306+76.87 WB	-30.00 LT	508958.584	806314.316	3	0.00
7-22C	307+49.11 WB	-29.34 LT	508983.089	806384.311	1	0.00
7-23	307+47.07 WB	-31.97 LT	508984.937	806381.502		861.71
7-24	306+64.42 WB	-84.54 LT	509004.252	806281.752		863.15
7-25C	307+67.72 WB	-180.26 LT	509133.157	806358.456	150	852.13
7-26	306+60.31 WB	-82.40 LT	509000.587	806278.486		863.07
7-27C	306+62.56 WB	-83.04 LT	509002.104	806280.473	2	863.08

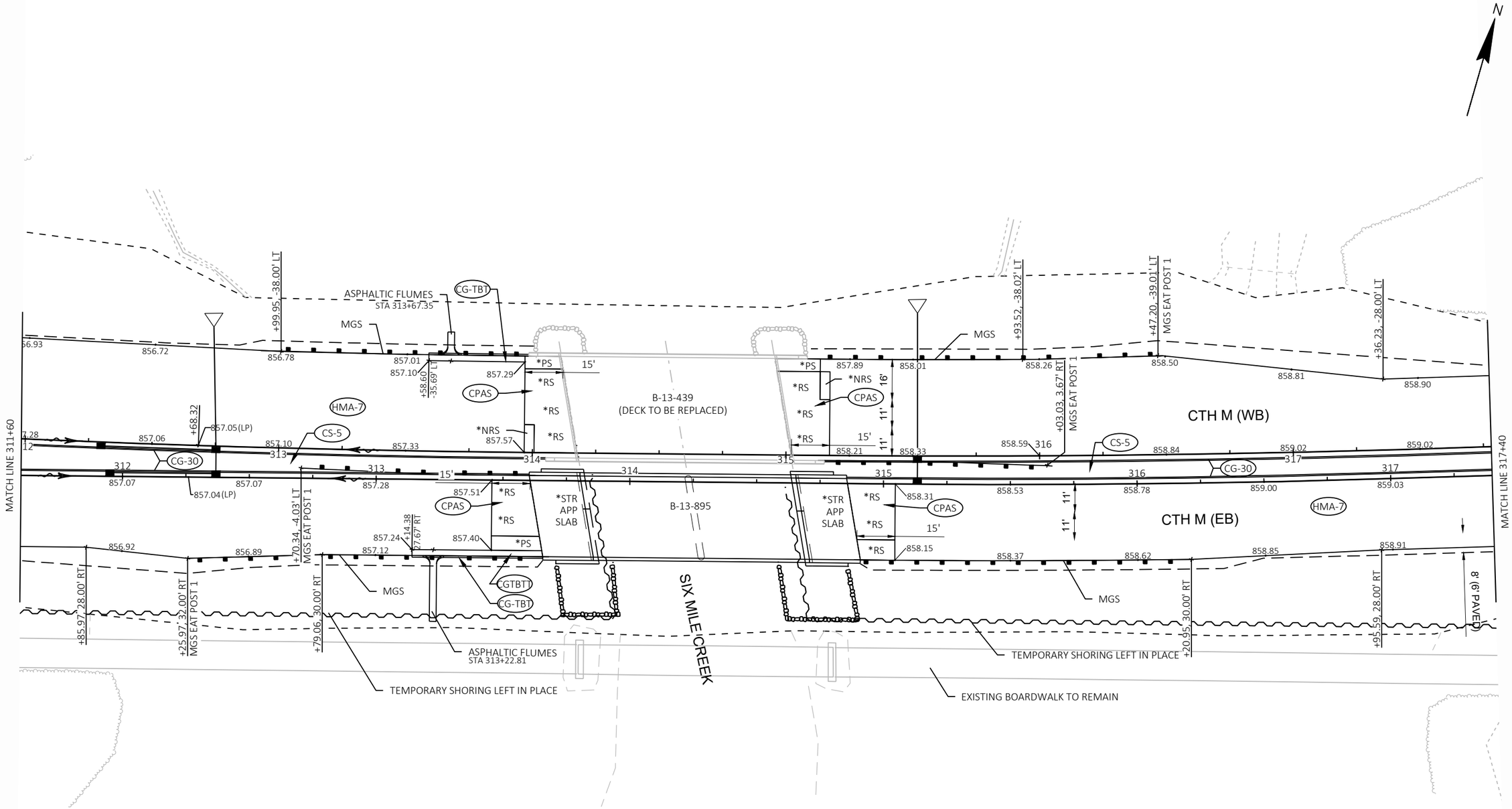
STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
7-28	306+72.43 WB	-110.07 LT	509031.185	806280.214		862.94
7-29	307+97.67 WB	-39.15 LT	509006.848	806429.441		861.56
7-30C	308+04.81 WB	-238.99 LT	509201.764	806384.631	200	0.00
7-31C	309+33.36 WB	103.76 RT	508898.279	806594.180	5	0.00
7-32C	309+98.04 WB	101.79 RT	508914.001	806656.945	5	0.00
7-33C	309+53.01 WB	151.32 RT	508856.006	806623.525	5	0.00

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
7-1	306+00.56	62.06	508828.698	806322.696		860.86
7-2	306+26.62	57.52	508842.291	806343.678		860.96
7-3C	306+13.62	59.86	508835.495	806333.187	11	0.00
7-4	306+63.11	87.16	508826.647	806385.982		860.43
7-5	306+72.16	51.98	508862.632	806382.174		860.28
7-6	307+06.71	37.33	508886.965	806408.958		860.14
7-7C	307+05.14	77.30	508848.394	806419.554	40	0.00
7-8	306+55.07	7.87	508913.292	806346.179		861.33
7-9	306+56.12	13.66	508919.092	806345.175		861.37
7-10C	306+56.16	10.66	508916.291	806346.250	1	0.00
7-11	306+96.22	0.00	508919.381	806387.778		861.00

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CTH M	SHEET 73	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - CTH M 07
PLOT DATE : 4/12/2023 10:30 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

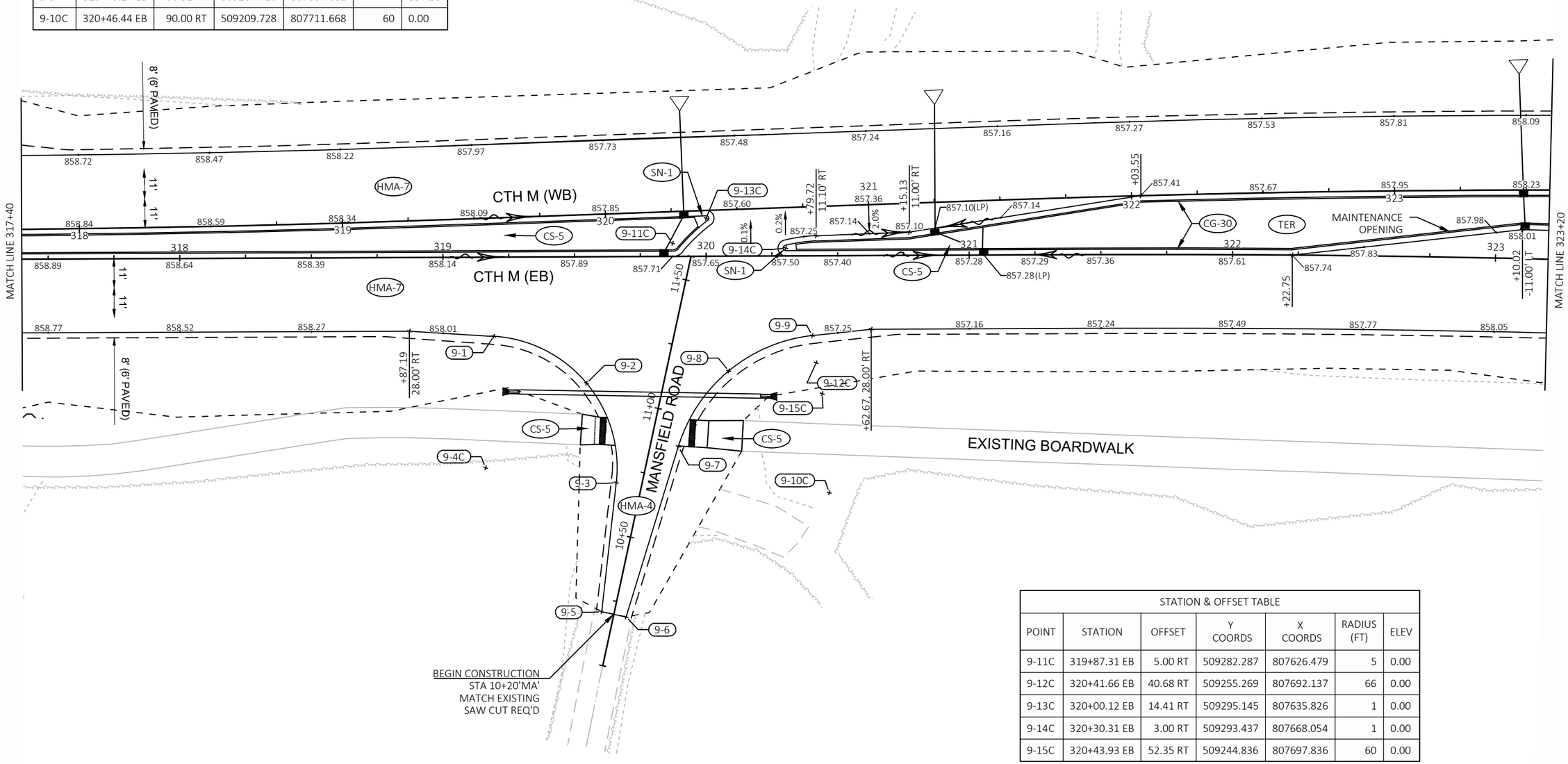
2



NOTE:
* SEE SDD CONCRETE PAVEMENT APPROACH SLAB

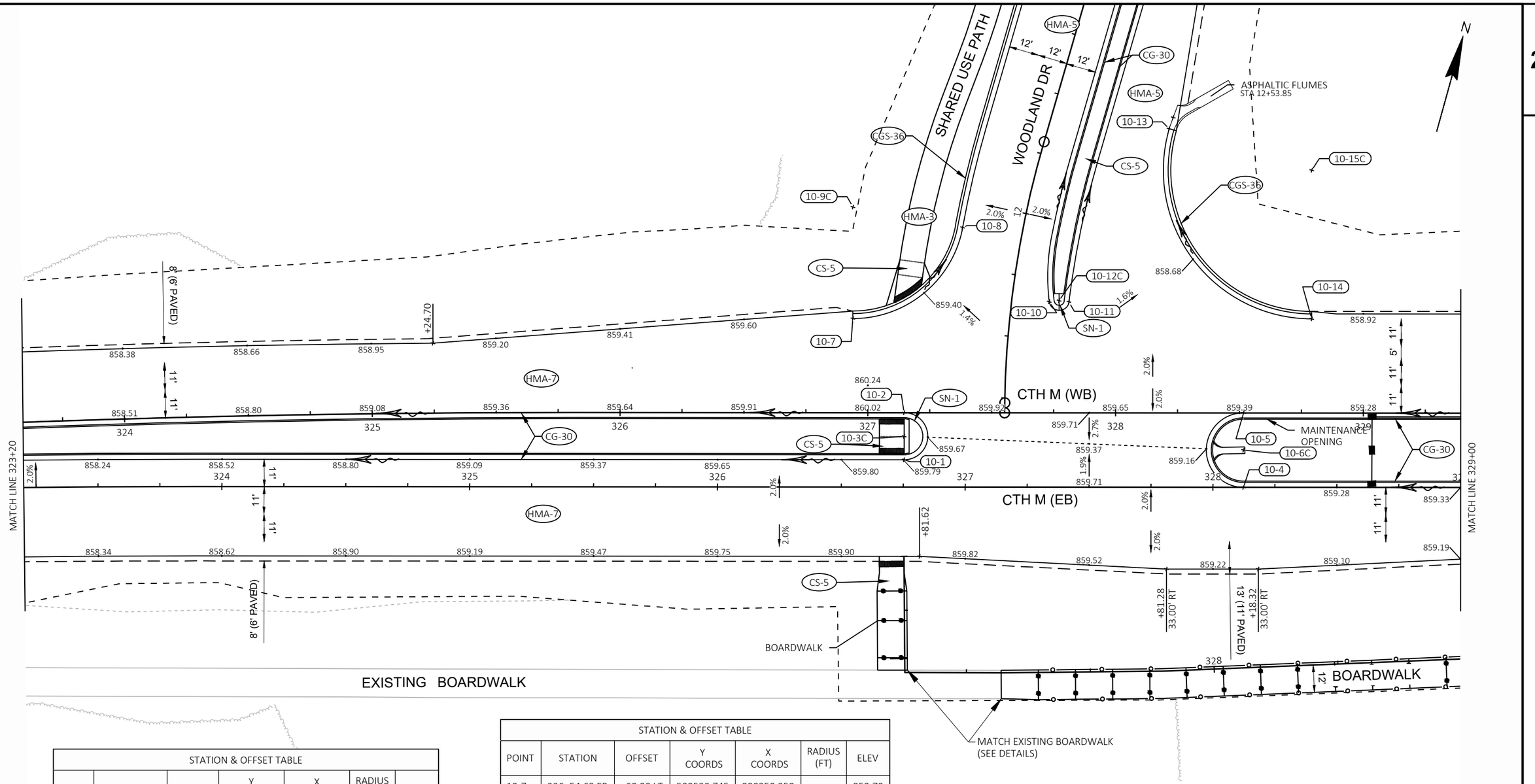
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CTH M	SHEET 74	E

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
9-1	319+19.19 EB	30.11 RT	509228.153	807572.233		857.85
9-2	319+54.34 EB	48.03 RT	509221.753	807611.169		857.35
9-3	319+65.56 EB	85.86 RT	509189.113	807633.340		856.82
9-4C	319+15.90 EB	80.00 RT	509179.618	807584.250	50	0.00
9-5	319+59.77 EB	134.87 RT	509140.662	807642.711		856.13
9-6	319+69.01 EB	136.90 RT	509141.527	807652.130		856.18
9-7	319+89.15 EB	72.17 RT	509209.320	807651.669		856.85
9-8	320+08.43 EB	43.58 RT	509242.417	807661.355		857.20
9-9	320+40.27 EB	30.32 RT	509264.716	807687.661		857.28
9-10C	320+46.44 EB	90.00 RT	509209.728	807711.668	60	0.00



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
9-11C	319+87.31 EB	5.00 RT	509282.287	807626.479	5	0.00
9-12C	320+41.66 EB	40.68 RT	509255.269	807692.137	66	0.00
9-13C	320+00.12 EB	14.41 RT	509295.145	807635.826	1	0.00
9-14C	320+30.31 EB	3.00 RT	509293.437	807668.054	1	0.00
9-15C	320+43.93 EB	52.35 RT	509244.836	807697.836	60	0.00

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CTH M	SHEET 75	E



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
10-1	326+75.33 EB	11.00 RT	509481.269	808285.331		859.79
10-2	326+75.33 EB	30.00 RT	509499.590	808280.297		860.01
10-3C	326+75.33 EB	20.50 RT	509490.429	808282.814	7	
10-4	328+12.32 EB	0.00 RT	509506.952	808420.342		859.38
10-5	328+12.32 EB	30.00 LT	509535.881	808412.395		859.38
10-6C	328+12.32 EB	15.00 RT	509521.417	808416.369	15	

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
10-7	326+54.62 EB	68.00 LT	509530.745	808250.258		859.70
10-8	326+98.87 EB	104.82 LT	509577.977	808283.173		858.77
10-9C	326+54.62 EB	113.00 LT	509574.138	808238.337	45	0.00
10-10	327+33.87 EB	74.84 LT	509558.340	808324.867		859.19
10-11	327+41.81 EB	74.83 LT	509560.425	808332.529		859.46
10-12C	327+37.84 EB	75.32 LT	509559.853	808328.570	2	859.36
10-13	327+82.19 EB	144.71 LT	509638.506	808352.954		858.11
10-14	328+39.82 EB	68.00 LT	509579.807	808428.843		858.95
10-15C	328+39.82 EB	128.00 LT	509637.664	808412.948	60	0.00

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CTH M	SHEET 76	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - CTH M 10
PLOT DATE : 4/12/2023 10:31 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

+26.88
-40.00' LT

+06.82
-28.00' LT

8' (6' PAVED)

859.00 859.24 859.49 859.74 860.02 860.33 860.64 860.97 861.23 861.48 861.73 861.98

HMA-7

11'
11'

859.36 859.60 859.85 860.10 860.35 860.60 860.85 861.10 861.35 861.60 861.85 862.10

330 331 332 333 334 335

30-12C

CTH M (WB)

TER

CG-30

MATCH LINE 329+00

330 331 332 333 334

859.33 859.55 859.80 860.05 860.30 860.55 860.80 861.05 861.30 861.55 861.80 862.05

11'
11'

HMA-7

CTH M (EB)

MATCH LINE 334+80

859.19 859.43 859.68 859.93 860.18 860.43 860.68 860.93 861.18 861.43 861.58 861.72 861.97

8' (6' PAVED)

+71.74
26.00' RT

ASPHALTIC FLUMES

334

SHARED-USE PATH

CGS-36

BOARDWALK

330 332

HMA-3

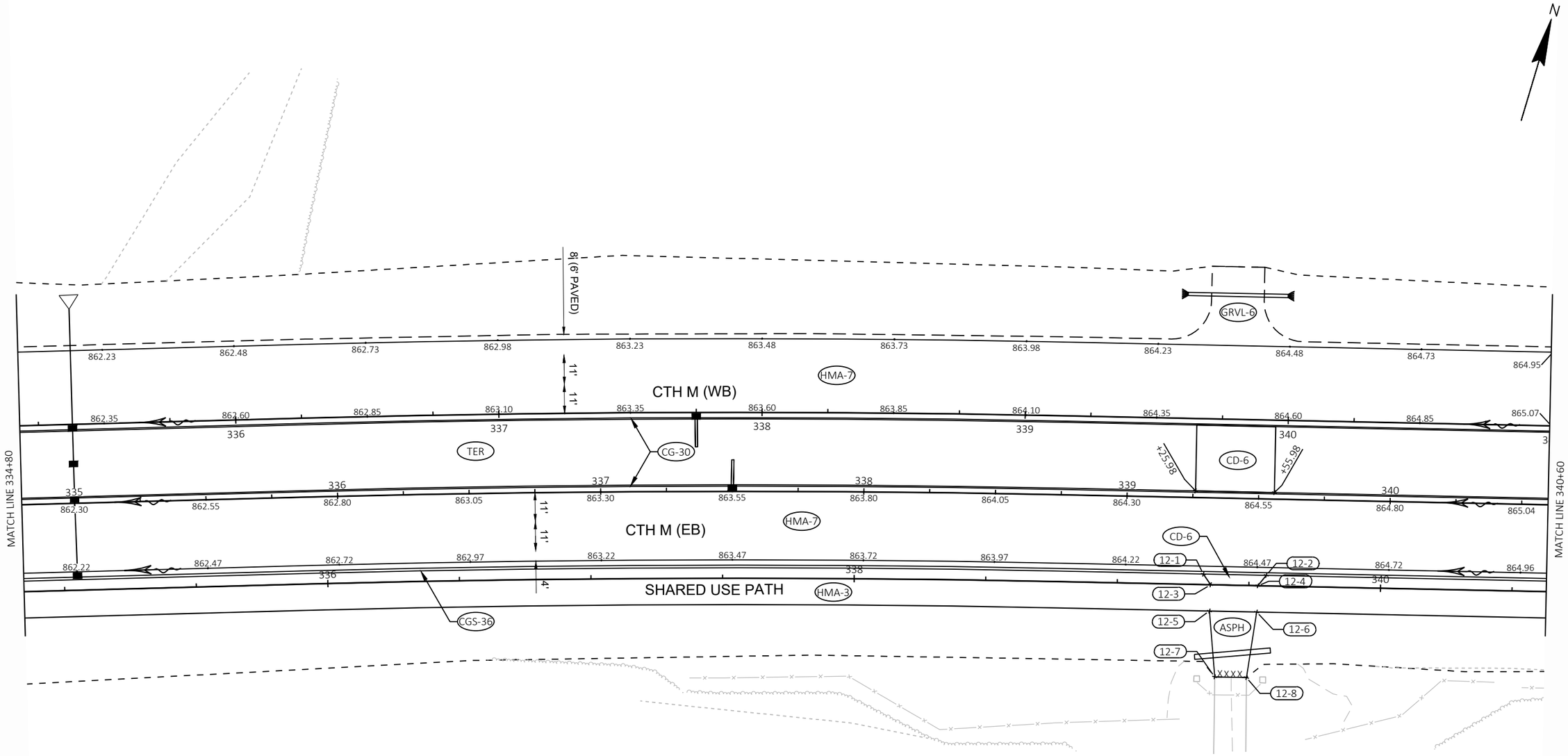
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CTH M	SHEET 77	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - CTH M 11

PLOT DATE : 4/12/2023 10:31 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

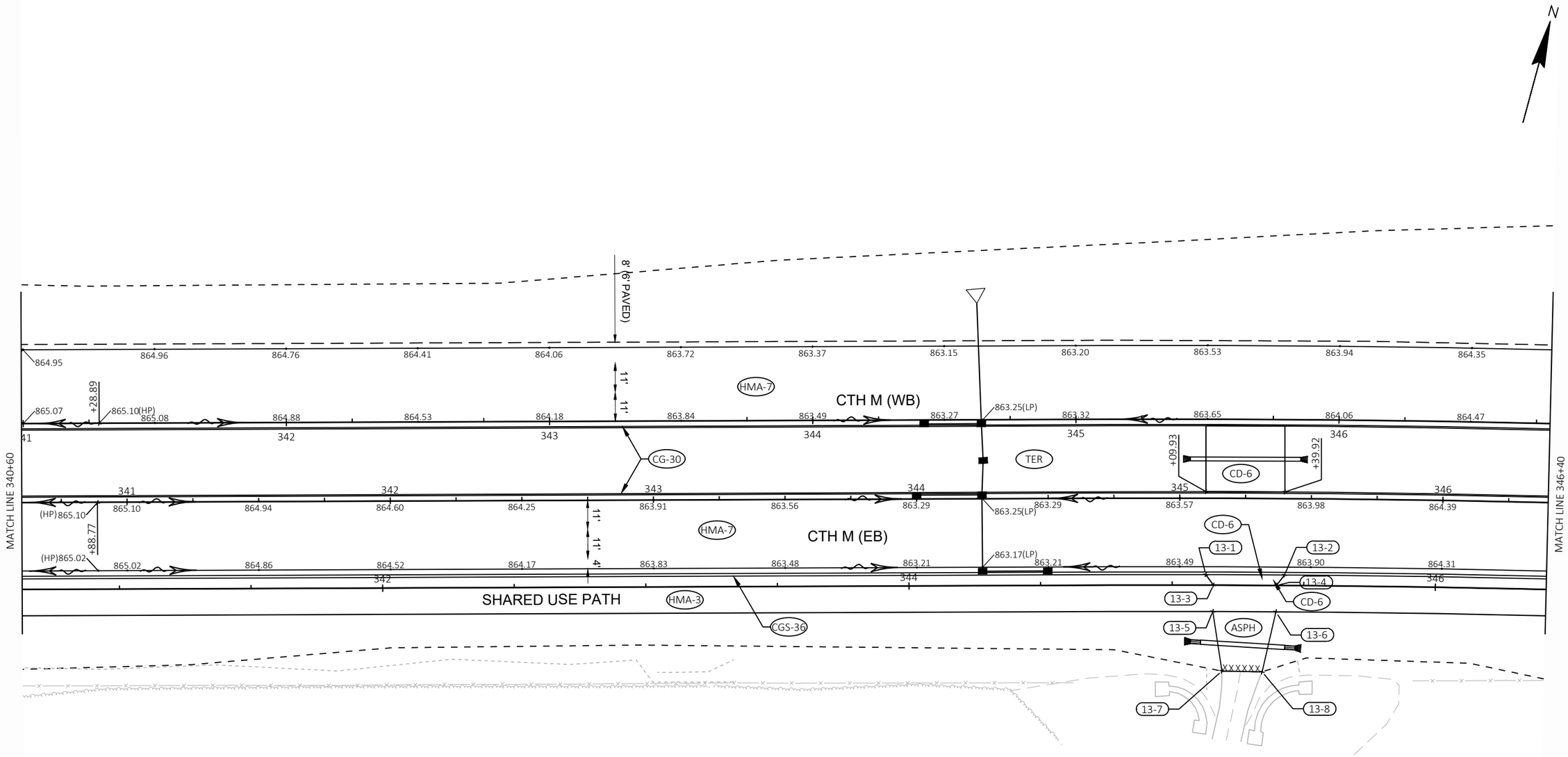
WISDOT/CADDS SHEET 42

2



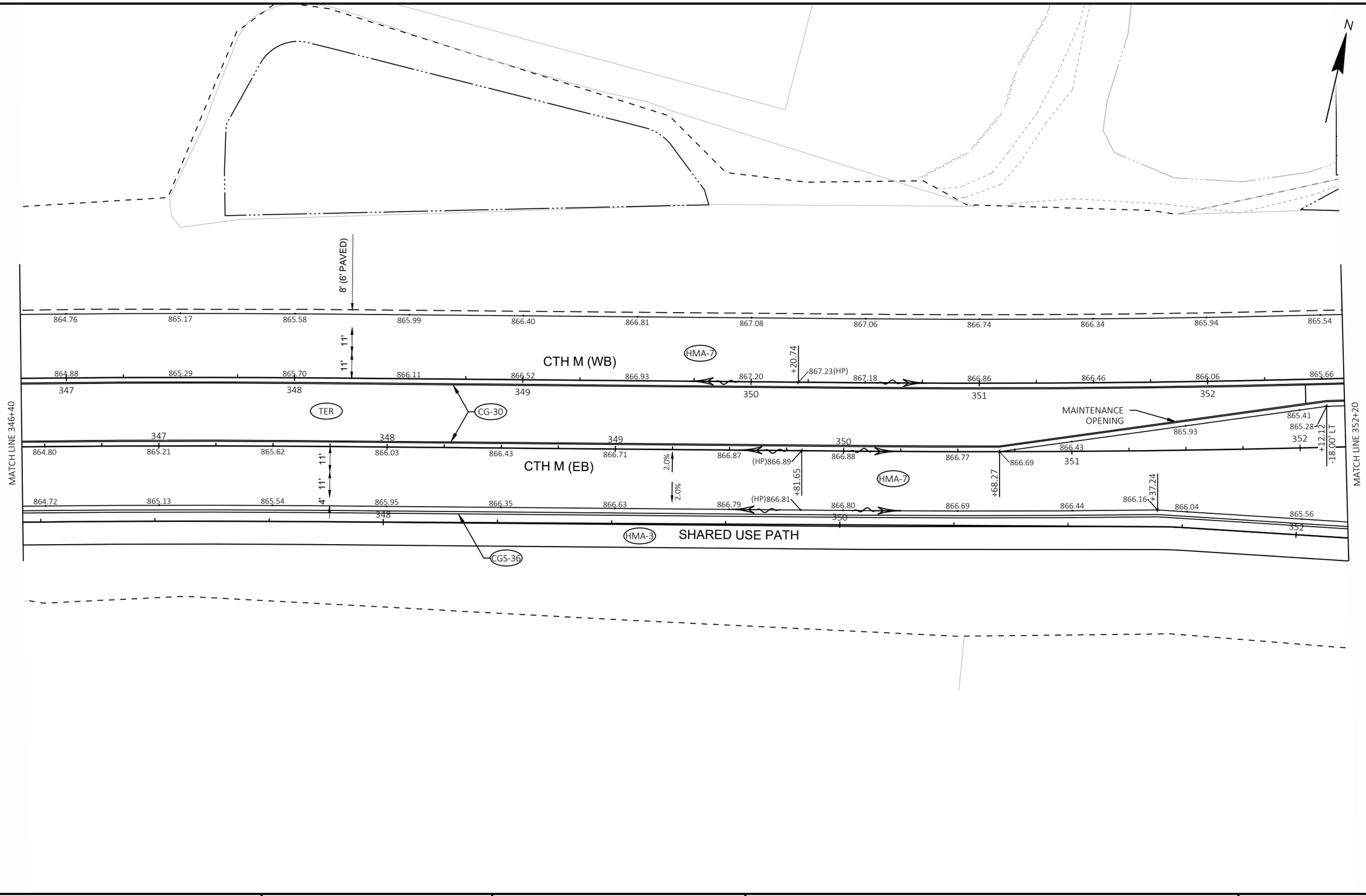
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEV
12-1	339+29.58	29.00	509795.108	809499.424	864.52
12-2	339+53.52	29.00	509801.451	809522.512	864.78
12-3	339+32.47	33.00	509792.018	809503.273	864.55
12-4	339+50.42	33.00	509796.772	809520.579	864.77
12-5	339+32.20	43.00	509782.303	809505.661	864.69
12-6	339+50.16	43.05	509787.012	809522.995	864.90
12-7	339+34.71	67.95	509758.911	809514.689	862.98
12-8	339+46.82	67.95	509762.116	809526.371	863.00

2



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEV
13-1	345+09.96	29.00	509948.710	810058.934	863.88
13-2	345+40.04	29.00	509956.395	810087.869	863.99
13-3	345+12.88	33.00	509945.599	810062.778	863.76
13-4	345+36.97	33.00	509951.748	810085.928	863.96
13-5	345+12.65	43.00	509935.879	810065.140	863.91
13-6	345+36.82	43.00	509942.040	810088.332	864.11
13-7	345+16.21	65.61	509914.949	810074.390	862.85
13-8	345+31.64	65.85	509918.633	810089.203	862.73

2



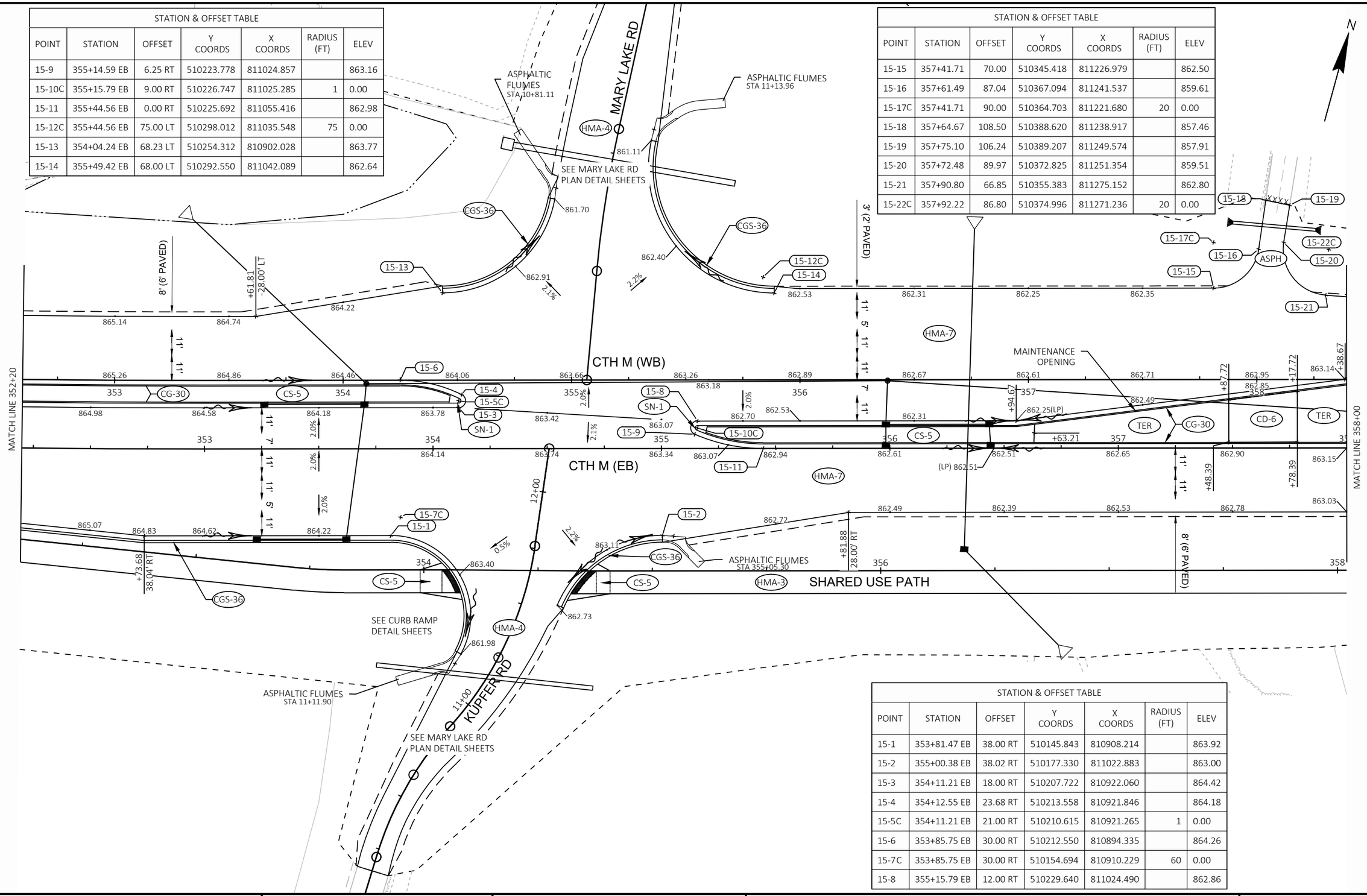
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CTH M	SHEET 80	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - CTH M 14

PLOT DATE : 4/12/2023 10:33 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
15-9	355+14.59 EB	6.25 RT	510223.778	811024.857		863.16
15-10C	355+15.79 EB	9.00 RT	510226.747	811025.285	1	0.00
15-11	355+44.56 EB	0.00 RT	510225.692	811055.416		862.98
15-12C	355+44.56 EB	75.00 LT	510298.012	811035.548	75	0.00
15-13	354+04.24 EB	68.23 LT	510254.312	810902.028		863.77
15-14	355+49.42 EB	68.00 LT	510292.550	811042.089		862.64

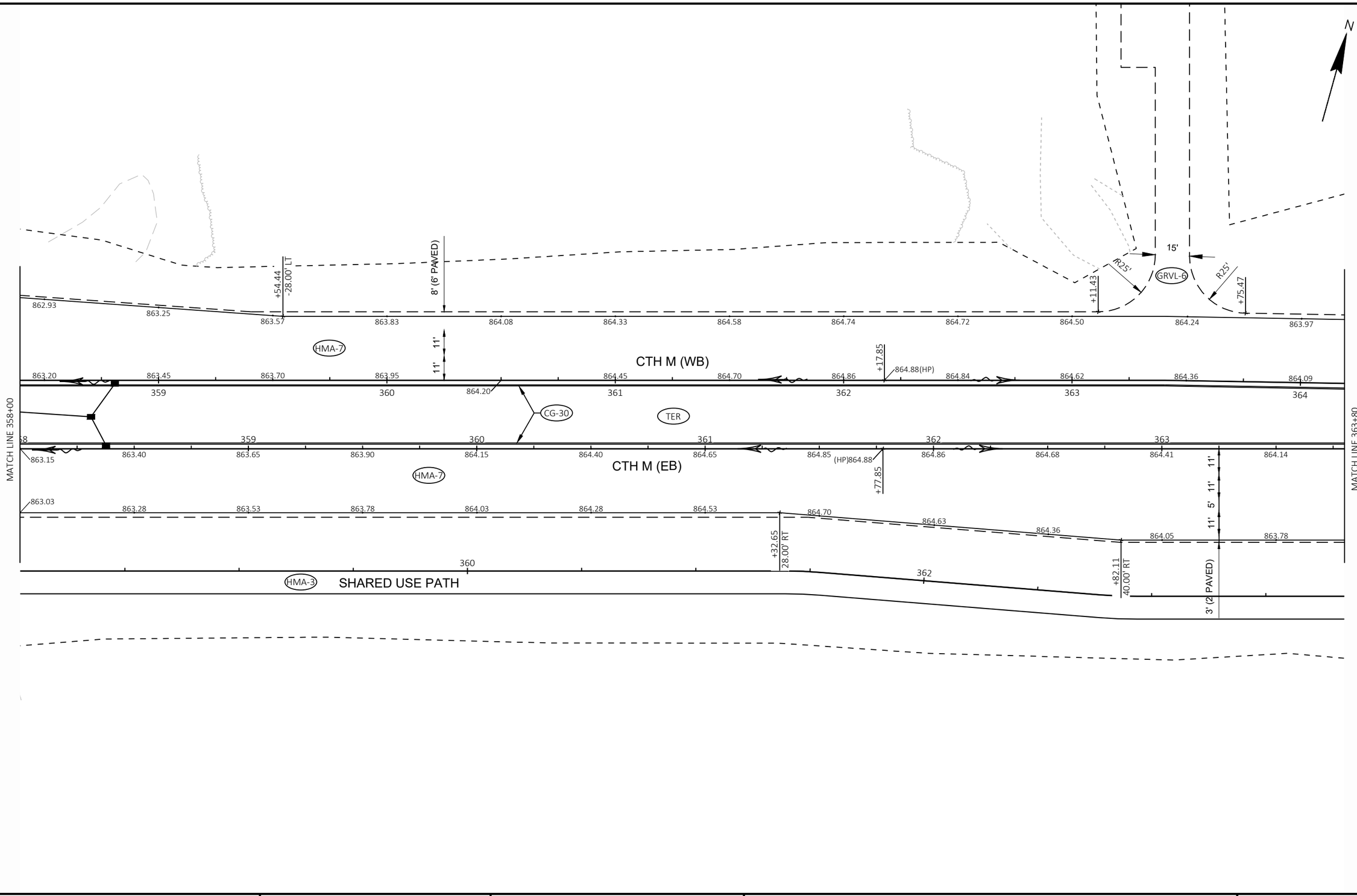
STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
15-15	357+41.71	70.00	510345.418	811226.979		862.50
15-16	357+61.49	87.04	510367.094	811241.537		859.61
15-17C	357+41.71	90.00	510364.703	811221.680	20	0.00
15-18	357+64.67	108.50	510388.620	811238.917		857.46
15-19	357+75.10	106.24	510389.207	811249.574		857.91
15-20	357+72.48	89.97	510372.825	811251.354		859.51
15-21	357+90.80	66.85	510355.383	811275.152		862.80
15-22C	357+92.22	86.80	510374.996	811271.236	20	0.00



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
15-1	353+81.47 EB	38.00 RT	510145.843	810908.214		863.92
15-2	355+00.38 EB	38.02 RT	510177.330	811022.883		863.00
15-3	354+11.21 EB	18.00 RT	510207.722	810922.060		864.42
15-4	354+12.55 EB	23.68 RT	510213.558	810921.846		864.18
15-5C	354+11.21 EB	21.00 RT	510210.615	810921.265	1	0.00
15-6	353+85.75 EB	30.00 RT	510212.550	810894.335		864.26
15-7C	353+85.75 EB	30.00 RT	510154.694	810910.229	60	0.00
15-8	355+15.79 EB	12.00 RT	510229.640	811024.490		862.86

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CTH M	SHEET 81	E

2



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CTH M	SHEET 82	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - CTH M 16

PLOT DATE : 4/12/2023 10:33 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

MATCH LINE 363+80

MATCH LINE 369+60

8' (6' PAVED)

863.70 863.44 863.17 862.90 862.64 862.37 862.11 861.84 861.57 861.31 861.04

11' 11'

863.82 863.56 863.29 863.02 862.76 862.49 862.23 861.96 861.69 861.43 861.16

365 366 367 368 369

CTH M (WB)

HMA-7

TER

CG-30

364 365 366 367 368 369

863.88 863.61 863.34 863.08 862.81 862.54 862.28 862.01 861.75 861.48 861.21 860.95

CTH M (EB)

HMA-7

11' 11' 11' 5' 11'

2.0% 2.0% 2.1%

863.51 863.33 863.02

17-1

862.26 862.16 861.89 861.63 861.36 861.09 860.83

17-5C 862.31

+39.91 11' 11'

863.52 863.25

2.5% 2.7% 2.0%

862.35

17-7

+84.28 28.00' RT

8' (6' PAVED)

ASPHALTIC FLUMES STA 10+70.75

364

SHARED USE PATH

HMA-3

CGS-36 861.49

17-2

17-8C

17-6

ASPHALTIC FLUMES STA 11+18.06

860.83 +12.1% +00 1.9%

HMA-4

17-3C

CD-5

17-4

+72.83 11.00' LT

2.6%

3'

+34.49 15.00' RT

3.0%

ASPH

12+00 11'

END CONSTRUCTION STA 12+15'WW' MATCH EXISTING SAW CUT REQ'D

+74.94 11.00' RT

STA 365+97.68, 158.09' RT

STA 366+44.16, 185.33' RT

WILLOW ROAD

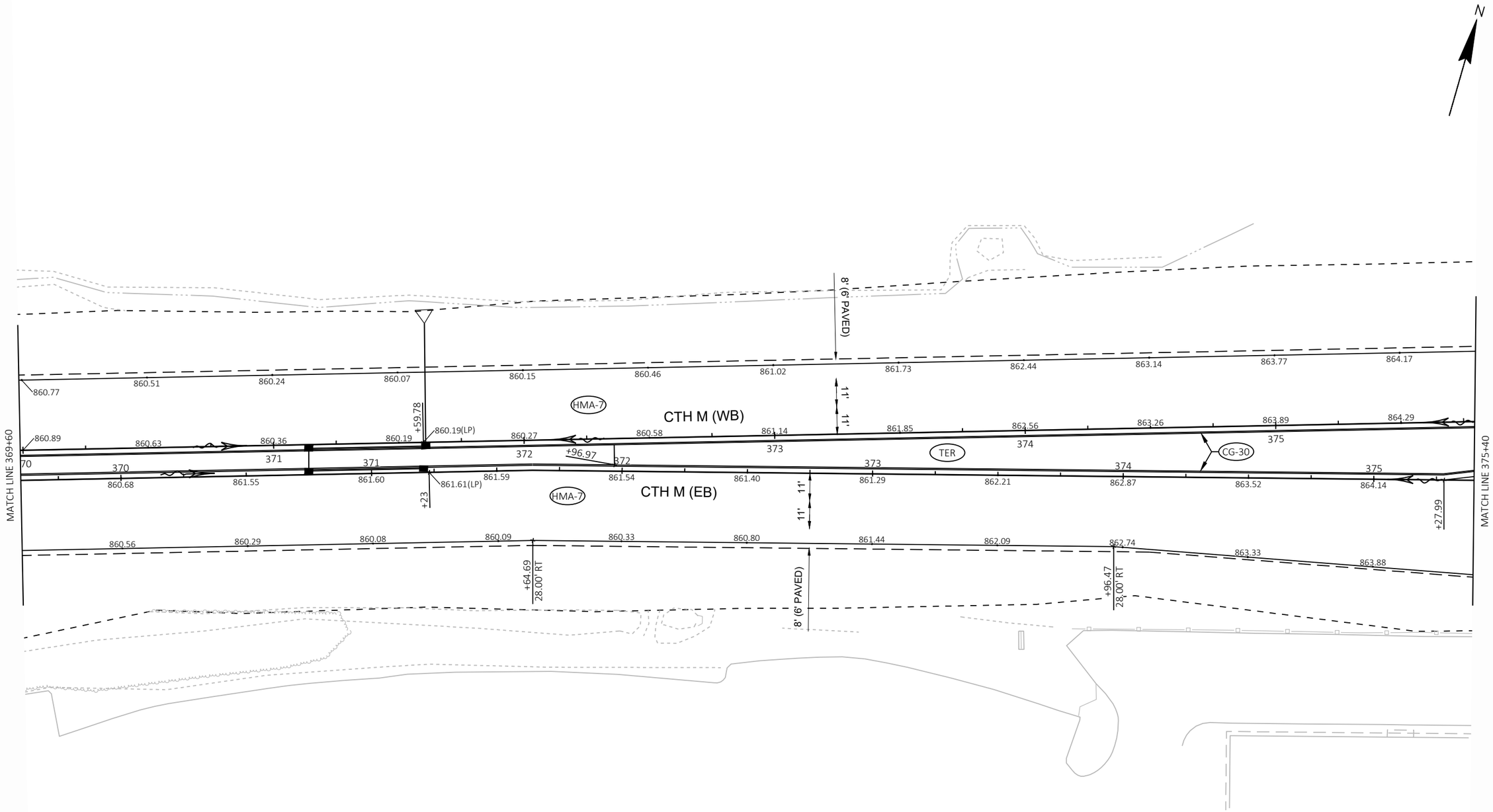
STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
17-1	364+83.30 EB	38.00 RT	510437.733	811970.687		863.11
17-2	365+36.08 EB	74.39 RT	510417.521	812033.303		861.45
17-3C	364+83.30 EB	98.00 RT	510379.876	811986.581	60	0.00
17-4	365+64.30 EB	115.71 RT	510386.323	812072.415		860.45
17-5C	366+42.89 EB	31.75 LT	510489.673	812122.852	115	0.00
17-6	365+84.05 EB	93.10 LT	510413.741	812084.650		860.28
17-7	366+01.09 EB	38.41 LT	510471.020	812084.865		862.48
17-8C	366+06.20 EB	70.00 LT	510442.327	812099.032	32	0.00

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CTH M	SHEET 83	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - CTH M 17

PLOT DATE : 4/12/2023 10:34 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CTH M	SHEET 84	E

2

2

N

ASPHALTIC FLUMES
STA 378+17.66

8' (6' PAVED)

MATCH LINE 375+40

MATCH LINE 381+20

CTH M (WB)

CTH M (EB)

MAINTENANCE OPENING

MAINTENANCE OPENING

HMA-7

HMA-7

HMA-3

HMA-4

ASPH

ASPH

SHARED USE PATH

WILLOW ROAD

LIVERPOOL STREET

CD-6

CD-5

CD-5

CGS-36

CGS-36

CGS-36

CG-30

CG-18

TER

CS-5

19-1

19-2

19-3

19-4C

19-5

19-6

19-7

19-8

19-9

19-10

19-11

19-12

19-13C

19-14

19-20

19-21

19-23

19-24

19-25C

19-26

19-27

19-28C

19-29

19-30C

19-31

19-32

19-33C

19-34

19-35C

19-36

19-37

19-38C

19-39

+38.93

+74.98
40.00' RT

+53.57
18.00' RT

+92.70
END NORMAL CROWN

+94.71
END NORMAL CROWN

BEGIN FULL SUPER +10.71

3' (2' PAVED)

11' 11' 5' 11' 11'

7' 11' 11' 4'

7' 11' 11'

1.8%

2.3%

2.0%

12+00

11+00

ASPHALTIC FLUMES
STA 11+84.04

BEGIN CONSTRUCTION
STA 10+47'WE'
MATCH EXISTING
SAW CUT REQ'D

SEE CURB RAMP
DETAIL SHEETS

376 377 378 379 380 381

863.21 862.58 862.19 860.18 859.66 859.36

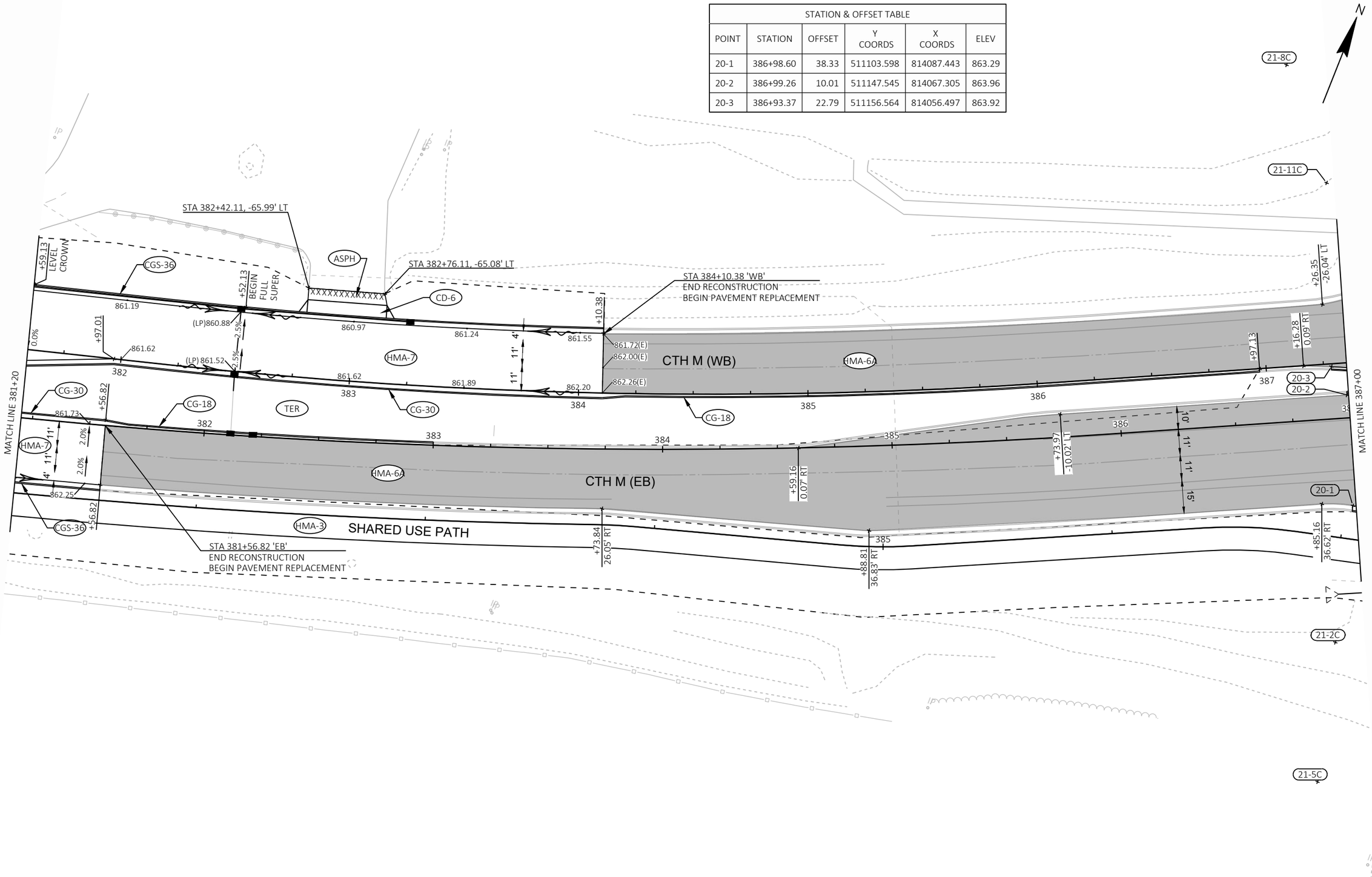
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CTH M	SHEET 85	E

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
19-1	378+16.92	58.50	510902.399	813225.772		863.22
19-2	378+16.92	64.00	510907.703	813224.317		862.94
19-3	378+45.77	89.12	510939.564	813245.490		0.00
19-4C	378+46.52	59.13	510910.842	813254.152	30	0.00
19-5	379+19.86	90.98	510960.966	813316.452		860.76
19-6	380+03.44	95.57	510987.503	813395.832		860.75
19-7	381+01.15	98.36	511015.977	813488.997		860.35
19-8	381+01.92	78.37	510996.922	813495.073		860.61
19-9	380+04.27	75.58	510968.453	813401.927		860.99
19-10	379+20.66	71.00	510941.904	813322.512		861.54
19-11	378+73.51	69.81	510928.284	813277.352		861.72
19-12	378+62.26	64.00	510919.700	813268.037		862.73
19-13C	378+74.12	54.83	510913.993	813281.909	15	0.00
19-14	378+62.27	58.50	510914.401	813269.509		863.00

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
19-20	376+09.35 EB	10.21 RT	510800.907	813038.384		864.23
19-21	377+18.42 EB	18.00 RT	510837.279	813141.505		863.53
19-22C	377+38.05 EB	1024.69 RT	509836.950	813436.354	1045	0.00
19-23	377+65.46 EB	18.00 RT	510849.726	813186.866		863.30
19-24	377+65.46 EB	30.00 RT	510861.298	813183.691		863.59
19-25C	377+65.46 EB	24.00 RT	510855.512	813185.278	4	0.00
19-26	378+68.35 EB	0.00 RT	510859.595	813290.852		863.14
19-27	378+67.01 EB	5.68 RT	510864.722	813288.055		863.10
19-28C	378+68.35 EB	3.00 RT	510862.488	813290.058	1	0.00
19-29	378+93.81 EB	12.00 RT	510877.903	813312.225		862.59
19-30C	378+93.81 EB	48.00 RT	510820.042	813328.102	60	0.00

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
19-31	377+59.58 EB	38.00 LT	510794.166	813196.015		863.37
19-32	378+09.47 EB	91.26 LT	510756.005	813258.224		860.47
19-33C	377+59.58 EB	88.00 LT	510745.949	813209.246	50	0.00
19-34	378+26.84 EB	175.25 RT	510679.604	813297.197		859.15
19-35C	377+36.56 EB	96.20 LT	510731.954	813189.218	120	0.00
19-36	378+57.80 EB	82.68 RT	510777.067	813302.557		860.91
19-37	379+04.04 EB	33.22 RT	510837.006	813334.060		862.75
19-38C	379+07.80 EB	83.08 RT	510789.919	813350.877	50	0.00
19-39	379+99.82 EB	26.00 RT	510869.310	813424.510		862.43

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEV
20-1	386+98.60	38.33	511103.598	814087.443	863.29
20-2	386+99.26	10.01	511147.545	814067.305	863.96
20-3	386+93.37	22.79	511156.564	814056.497	863.92



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CTH M	SHEET 87	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - CTH M 20

PLOT DATE : 4/12/2023 10:36 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
21-1	387+39.25 EB	67.79 RT	511094.430	814136.794		862.53
21-2C	386+86.94 EB	97.19 RT	511045.432	814102.164	60	861.63
21-3	387+15.31 EB	10.11 RT	511154.526	814081.754		864.01
21-4	387+22.15 EB	17.49 RT	511164.122	814084.765		863.97
21-5C	386+75.08 EB	157.28 RT	510986.057	814117.228	181	0.00
21-6	387+01.67 EB	51.99 LT	511186.501	814051.461		863.31
21-7	387+25.01 EB	59.15 LT	511202.986	814069.476		862.94
21-8C	386+82.74 EB	155.27 LT	511271.672	813990.052	105	0.00

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
21-9	387+48.65 EB	84.76 LT	511236.256	814079.840		861.80
21-10	387+51.57 EB	99.08 LT	511250.446	814076.337		861.42
21-11C	386+96.70 EB	102.83 LT	511230.288	814025.164	55	861.10
21-12	387+93.33 EB	98.70 LT	511268.020	814114.225		861.56
21-13	387+98.47 EB	86.46 LT	511259.170	814124.112		861.84
21-14C	388+40.07 EB	108.21 LT	511296.662	814152.357	47	0.00
21-15	388+02.12 EB	48.61 RT	511138.722	814185.363		862.21
21-16	387+94.02 EB	69.23 RT	511116.627	814186.892		861.92

N

N BLUE BILL PARK DR

21-10 CS-5 CG-30 CP 21-9 21-6 21-7

SEE CURB RAMP DETAIL SHEETS

21-12 21-14C CS-5 CG-30 21-13

HMA-6A

CTH M (WB)

11' 4' 11' 11' 10'

388 389 390 391 392 393

MATCH LINE 387+00

21-4 21-3 CG-18

HMA-6A

CTH M (EB)

11' 11' 4'

388 389 390 391 392

MATCH LINE 392+80

CG-30 21-15 CG-30 21-1 21-16 CS-5

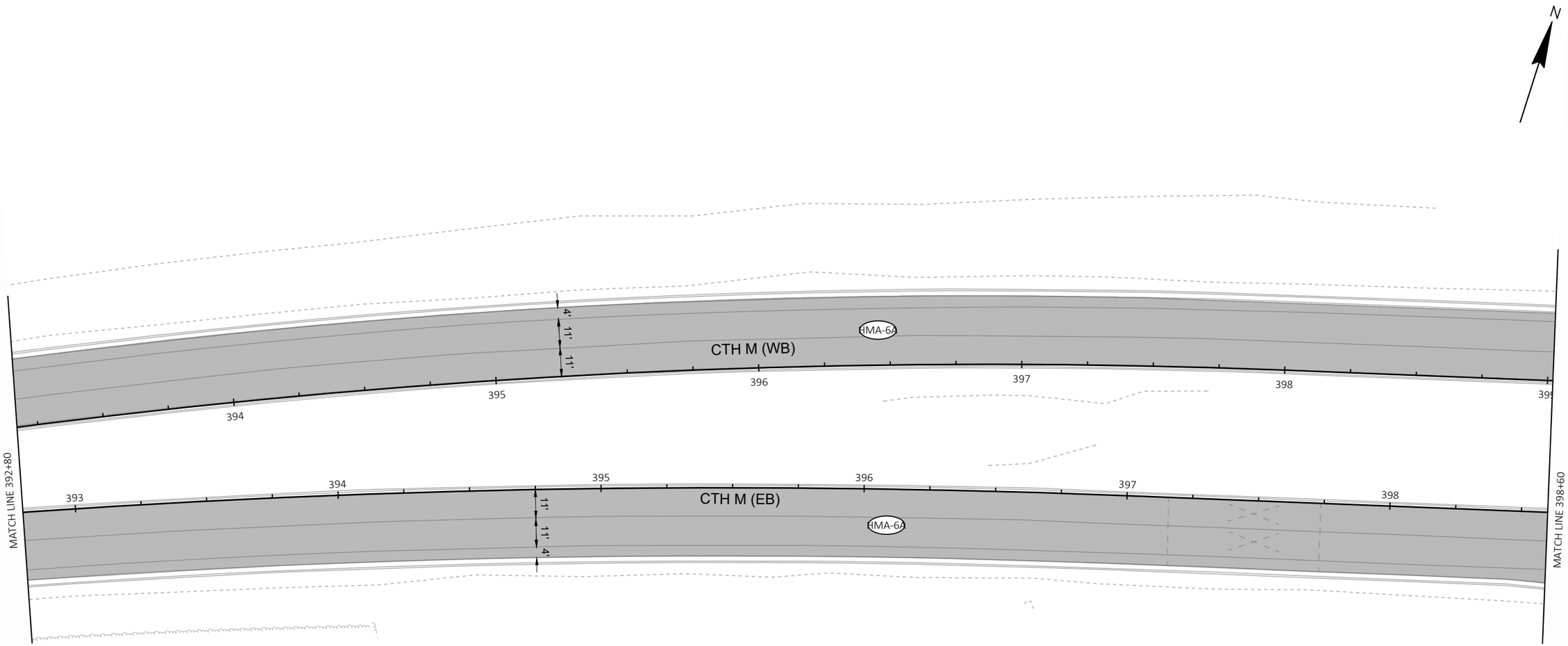
SEE CURB RAMP DETAIL SHEETS

WESTPORT RD

S BLUE BILL PARK DR

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CTH M	SHEET 88	E

2



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CTH M	SHEET 89	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - CTH M 22

PLOT DATE : 4/12/2023 10:36 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

RAILROAD CROSSING TO
BE REPLACED BY OTHERS

HMA-6A

11'
11'
4'

+57.39
+68.42
+83.83
+94.45

CTH M (WB)

400
401
402
403

MATCH LINE 398+60

399
400
401
402

RAILROAD CROSSING TO
BE REPLACED BY OTHERS

HMA-6A

+47.90
+63.96
+73.82
+89.58

CTH M (EB)

11'
11'
4'
11'

MATCH LINE 403+00

CS-5

CS-5

SEE CURB
RAMP DETAIL
SHEETS

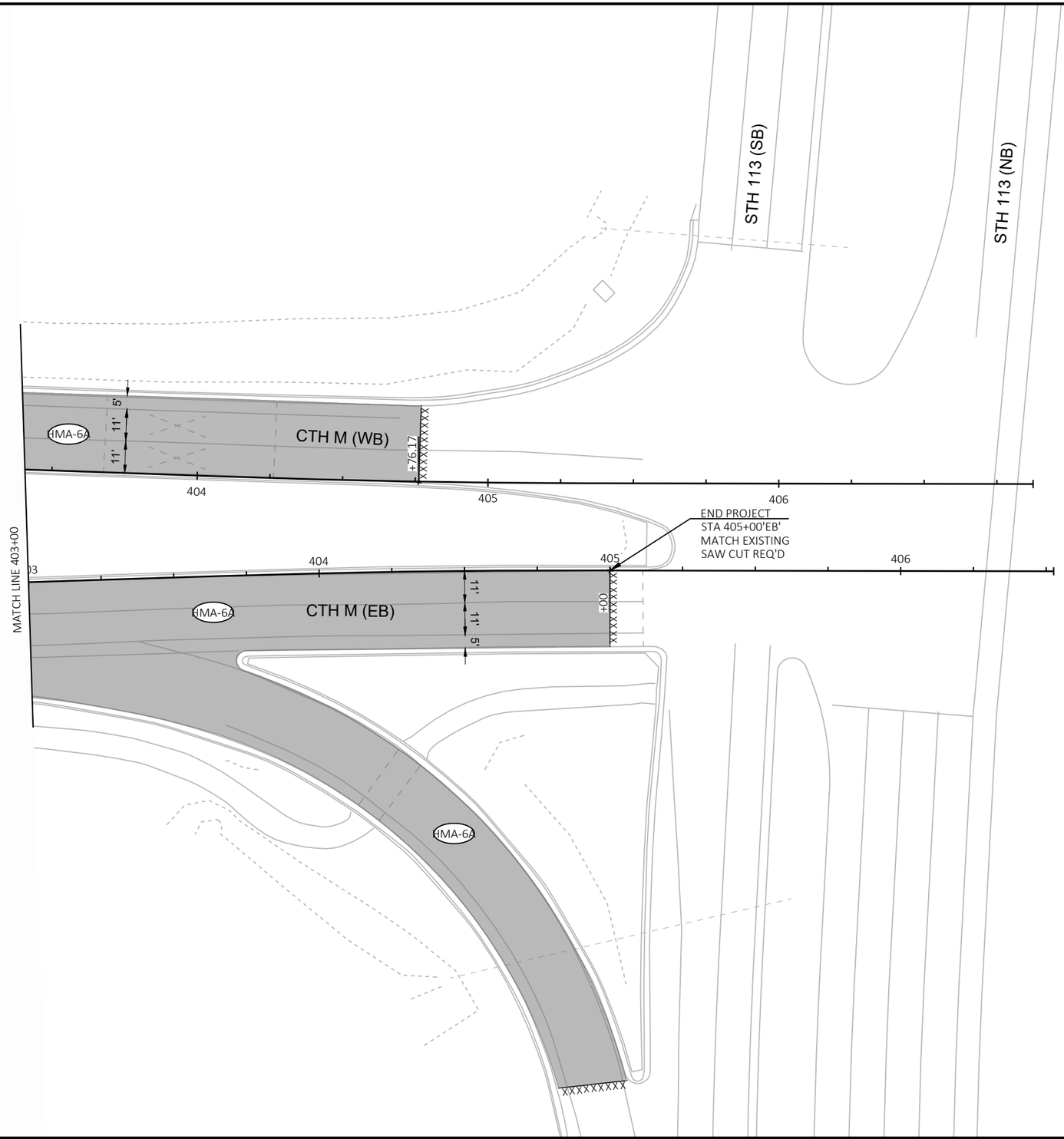
WI & SOUTHERN RAILROAD

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CTH M	SHEET 90	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - CTH M 23

PLOT DATE : 4/12/2023 10:37 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

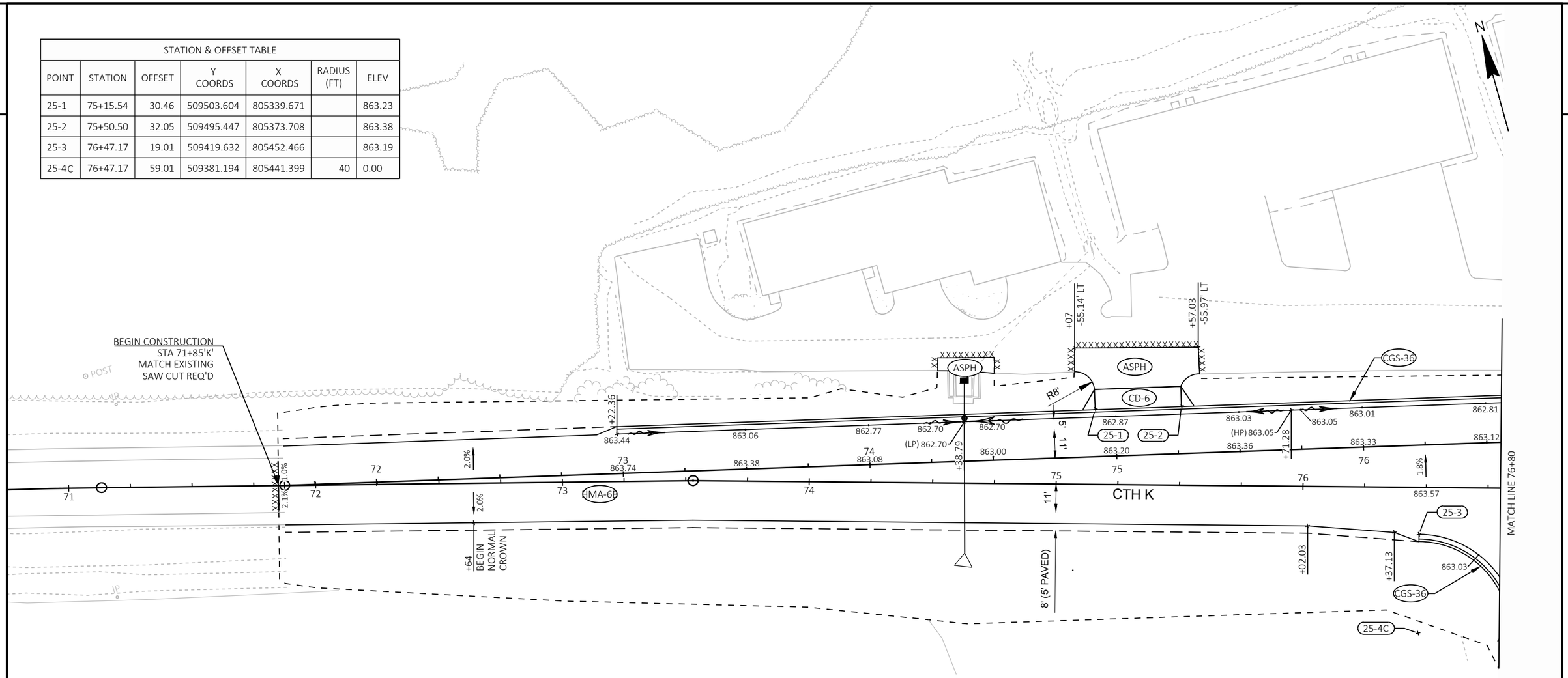


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CTH M	SHEET 91	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - CTH M 24

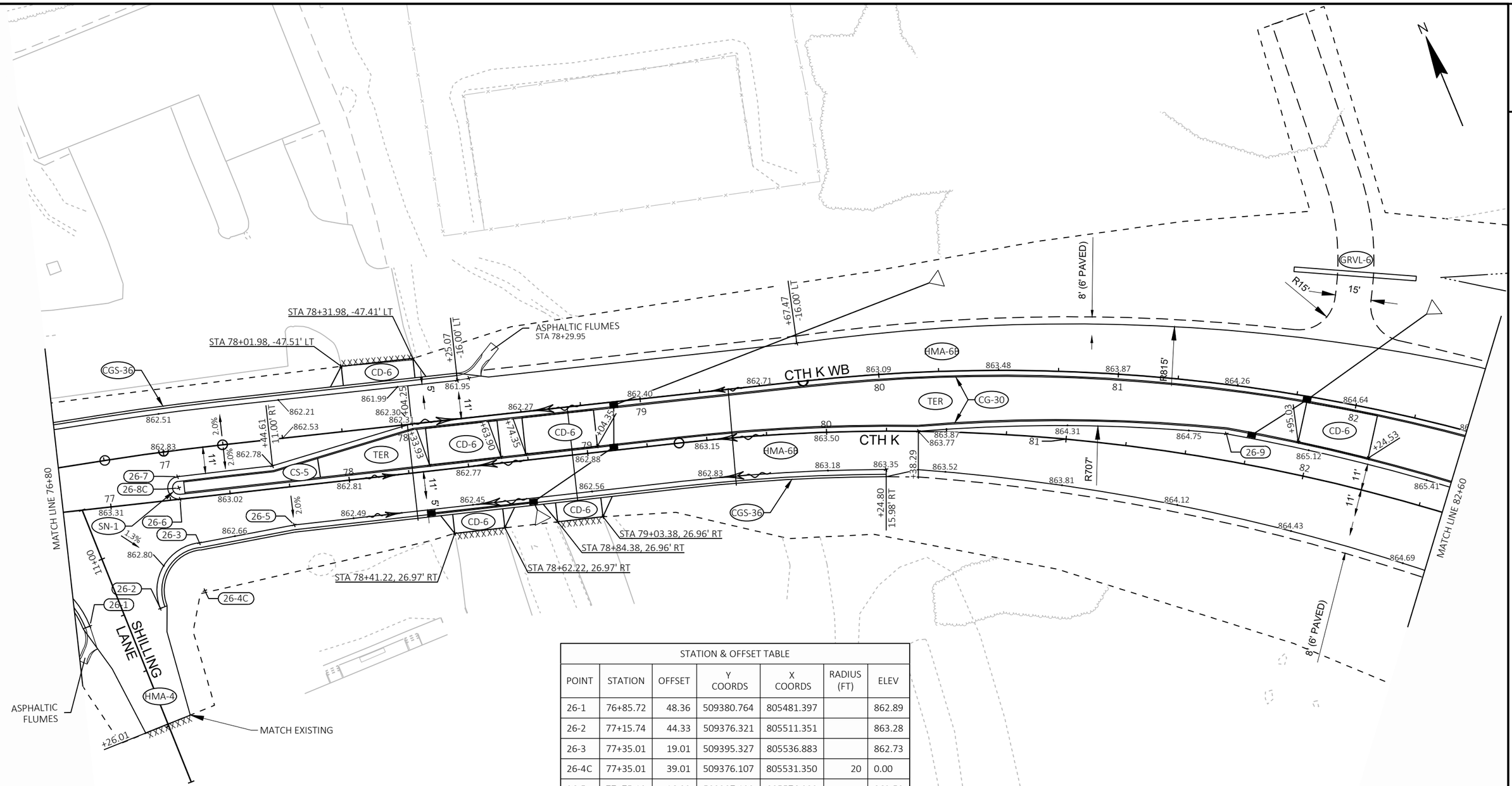
PLOT DATE : 4/12/2023 10:37 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
25-1	75+15.54	30.46	509503.604	805339.671		863.23
25-2	75+50.50	32.05	509495.447	805373.708		863.38
25-3	76+47.17	19.01	509419.632	805452.466		863.19
25-4C	76+47.17	59.01	509381.194	805441.399	40	0.00



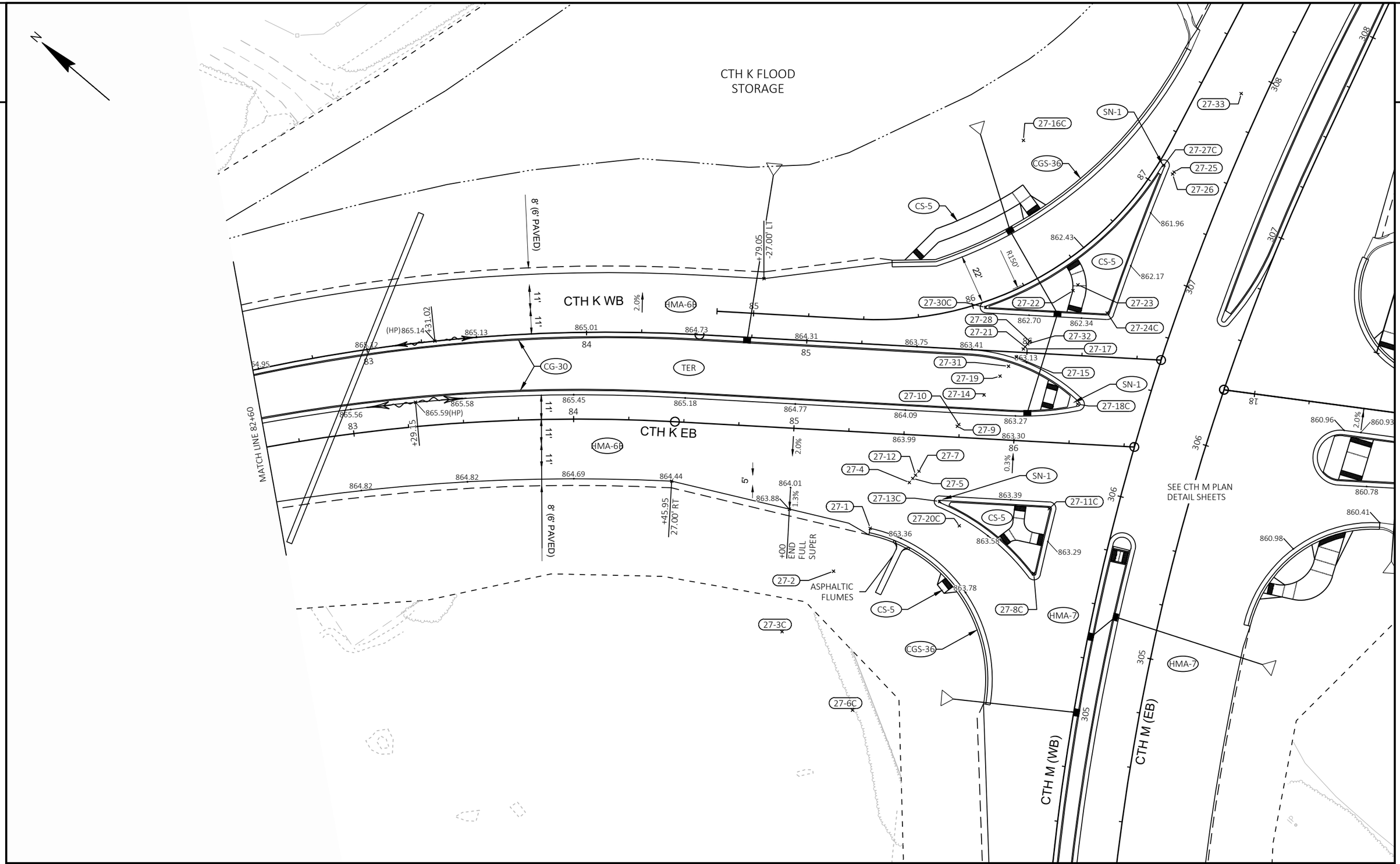
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CTH K	SHEET 92	E

2



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
26-1	76+85.72	48.36	509380.764	805481.397		862.89
26-2	77+15.74	44.33	509376.321	805511.351		863.28
26-3	77+35.01	19.01	509395.327	805536.883		862.73
26-4C	77+35.01	39.01	509376.107	805531.350	20	0.00
26-5	77+75.10	16.00	509387.122	805576.232		862.58
26-6	77+29.01	0.00	509415.251	805536.374		863.14
26-7	77+29.02	9.40	509424.285	805538.987		863.02
26-8C	77+29.01	4.70	509419.768	805537.680	3	0.00
26-9	81+65.46	11.00	509273.629	805949.803		864.88
26-10C	84+60.55	682.17	508650.202	805616.051	707	0.00
26-11C	84+97.88	736.25	508587.715	805595.714	815	0.00

2



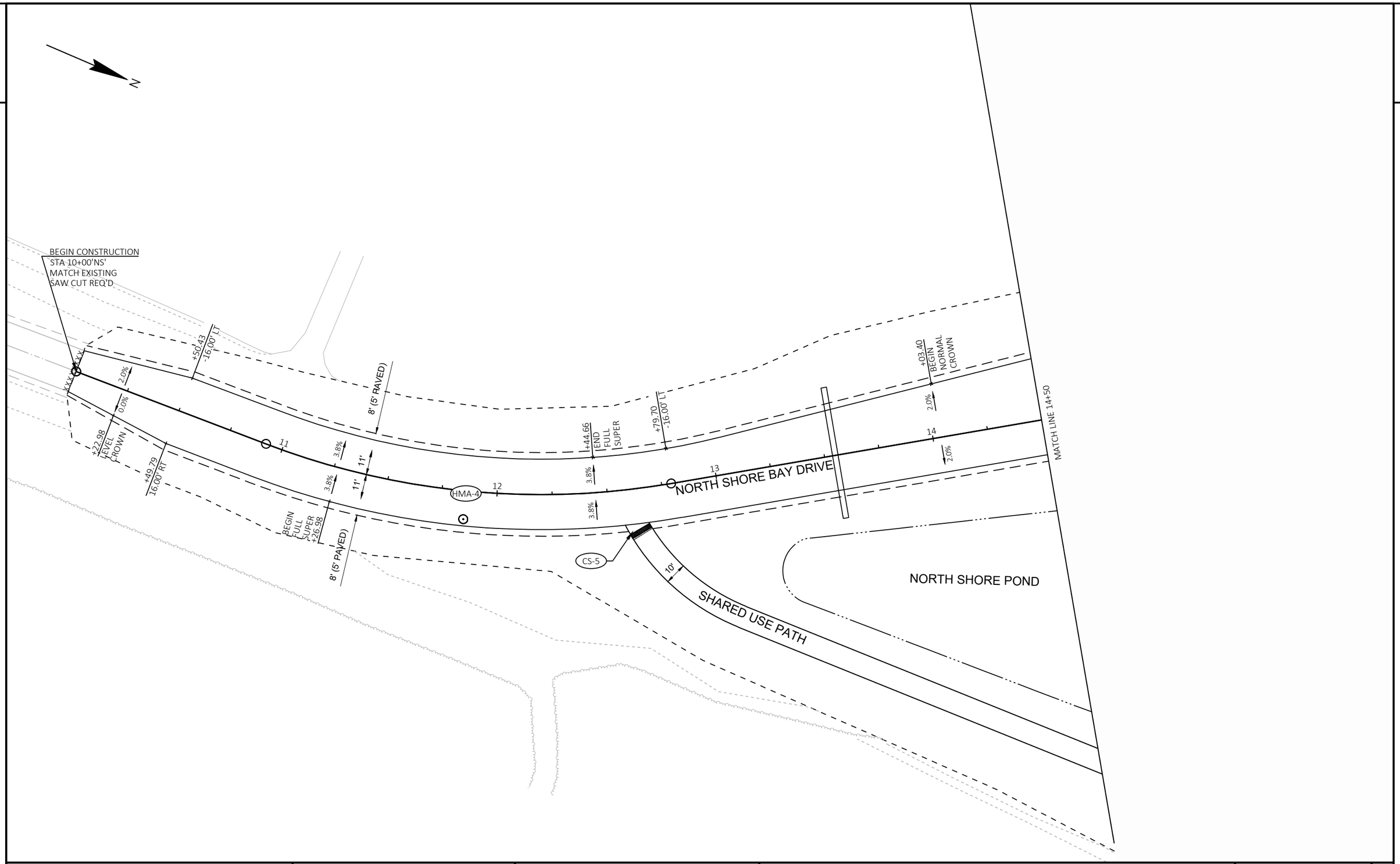
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CTH K	SHEET 94	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - CTH K 3

PLOT DATE : 4/12/2023 10:39 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
27-1	85+37.07	43.38	508976.911	806170.278		863.51
27-2	85+95.73	120.32	508976.911	806144.701		859.74
27-3C	85+26.16	112.53	508976.911	806108.693	70	0.00
27-4	85+67.01	31.86	508976.911	806197.604		863.78
27-5	86+09.99	61.59	508976.911	806200.038		863.78
27-6C	85+33.57	126.10	508929.507	806102.396	100	0.00
27-7	86+15.24	60.15	508976.911	806204.368		863.78
27-8C	86+12.28	59.66	508907.251	806202.967	3	0.00
27-9	86+20.60	30.57	508976.911	806231.136		863.70
27-10	86+17.66	27.00	508976.911	806232.191		863.69
27-11C	86+17.66	30.00	508920.970	806229.806	3	0.00
27-12	85+67.85	27.00	508976.911	806201.972		863.78
27-13C	85+67.85	29.50	508960.869	806199.985	0	0.00
27-14	85+96.83	11.01	508976.911	806249.771		864.19
27-15	86+28.70	15.15	508976.911	806272.396		863.15
27-16C	85+96.82	136.01	509038.257	806349.132	125	0.00
27-17	86+29.91	20.31	508976.911	806277.231		863.03
27-18C	86+27.94	18.05	508941.951	806274.237	1	0.00
27-19	85+77.35	40.00	508976.911	806260.995		863.96
27-20C	85+77.35	40.00	508946.949	806197.400	80	0.00
27-21	85+83.90	57.00	508976.911	806278.486		863.00
27-22	86+39.03	57.00	508976.911	806311.931		862.91
27-23	86+41.92	59.19	508976.911	806315.423		862.97
27-24C	86+39.03	60.00	508958.584	806314.316	3	0.00
27-25	0+00.00	0.00	508976.911	806382.661		861.71
27-26	0+00.00	0.00	508976.911	806381.502		861.73
27-27C	0+00.00	0.00	508982.467	806381.886	1	0.00
27-28	85+82.97	61.82	508976.911	806281.752		862.92
27-29C	85+27.03	201.00	509133.157	806358.456	150	0.00
27-30C	85+83.90	59.50	509002.104	806280.473	3	0.00
27-31	85+40.52	75.53	508976.911	806266.896		863.72
27-32	85+60.63	76.94	508976.911	806280.214		862.96
27-33	0+00.00	0.00	508976.911	806429.441		861.06
27-34C	84+88.37	263.43	509201.764	806384.631	200	0.00

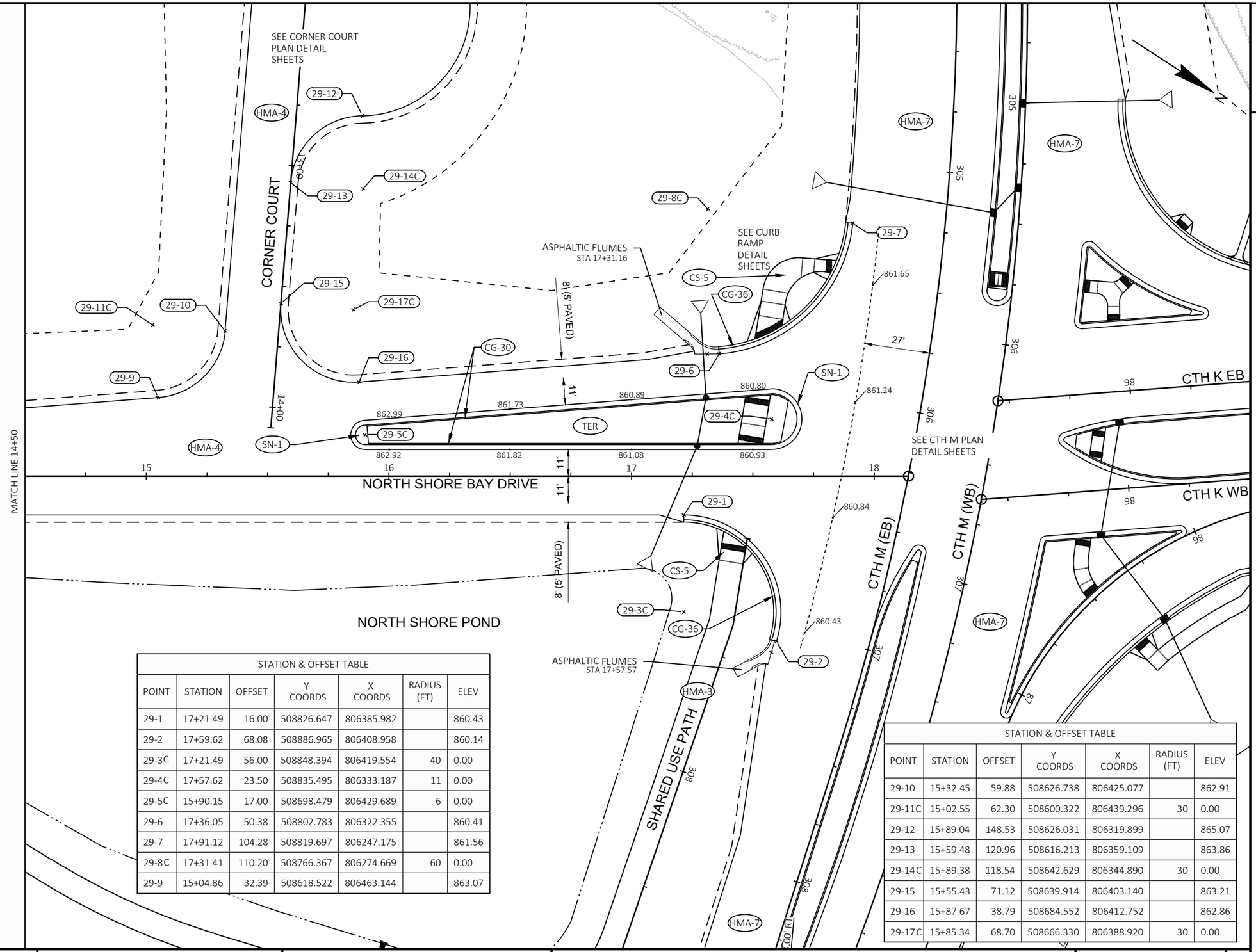
2



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - NORTH SHORE BAY DRIVE	SHEET 96	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - NSB 1

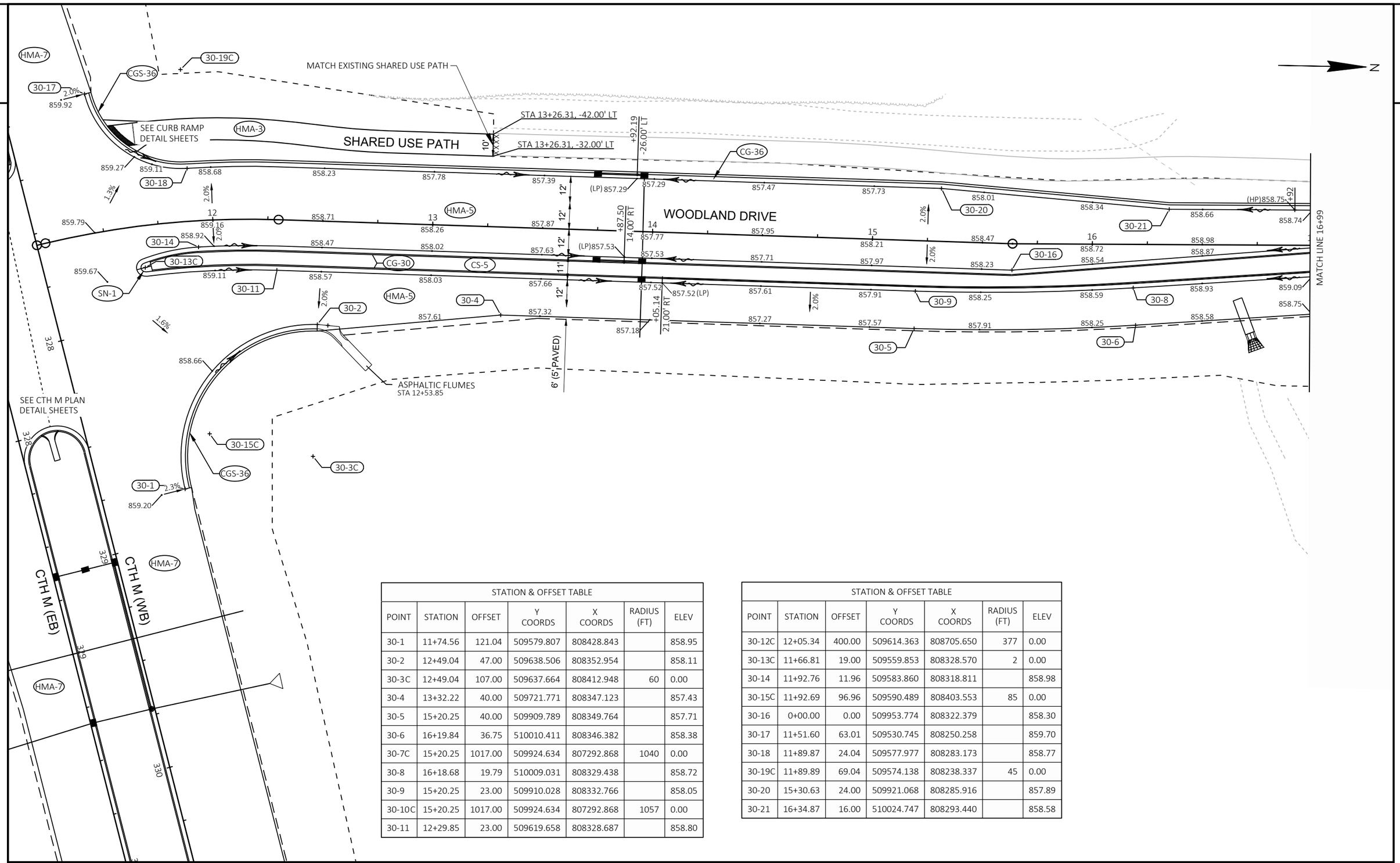
PLOT DATE : 4/12/2023 10:40 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
29-1	17+21.49	16.00	508826.647	806385.982		860.43
29-2	17+59.62	68.08	508886.965	806408.958		860.14
29-3C	17+21.49	56.00	508848.394	806419.554	40	0.00
29-4C	17+57.62	23.50	508835.495	806333.187	11	0.00
29-5C	15+90.15	17.00	508698.479	806429.689	6	0.00
29-6	17+36.05	50.38	508802.783	806322.355		860.41
29-7	17+91.12	104.28	508819.697	806247.175		861.56
29-8C	17+31.41	110.20	508766.367	806274.669	60	0.00
29-9	15+04.86	32.39	508618.522	806463.144		863.07

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
29-10	15+32.45	59.88	508626.738	806425.077		862.91
29-11C	15+02.55	62.30	508600.322	806439.296	30	0.00
29-12	15+89.04	148.53	508626.031	806319.899		865.07
29-13	15+59.48	120.96	508616.213	806359.109		863.86
29-14C	15+89.38	118.54	508642.629	806344.890	30	0.00
29-15	15+55.43	71.12	508639.914	806403.140		863.21
29-16	15+87.67	38.79	508684.552	806412.752		862.86
29-17C	15+85.34	68.70	508666.330	806388.920	30	0.00

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - NORTH SHORE BAY DRIVE	SHEET 97	E



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
30-1	11+74.56	121.04	509579.807	808428.843		858.95
30-2	12+49.04	47.00	509638.506	808352.954		858.11
30-3C	12+49.04	107.00	509637.664	808412.948	60	0.00
30-4	13+32.22	40.00	509721.771	808347.123		857.43
30-5	15+20.25	40.00	509909.789	808349.764		857.71
30-6	16+19.84	36.75	510010.411	808346.382		858.38
30-7C	15+20.25	1017.00	509924.634	807292.868	1040	0.00
30-8	16+18.68	19.79	510009.031	808329.438		858.72
30-9	15+20.25	23.00	509910.028	808332.766		858.05
30-10C	15+20.25	1017.00	509924.634	807292.868	1057	0.00
30-11	12+29.85	23.00	509619.658	808328.687		858.80

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
30-12C	12+05.34	400.00	509614.363	808705.650	377	0.00
30-13C	11+66.81	19.00	509559.853	808328.570	2	0.00
30-14	11+92.76	11.96	509583.860	808318.811		858.98
30-15C	11+92.69	96.96	509590.489	808403.553	85	0.00
30-16	0+00.00	0.00	509953.774	808322.379		858.30
30-17	11+51.60	63.01	509530.745	808250.258		859.70
30-18	11+89.87	24.04	509577.977	808283.173		858.77
30-19C	11+89.89	69.04	509574.138	808238.337	45	0.00
30-20	15+30.63	24.00	509921.068	808285.916		857.89
30-21	16+34.87	16.00	510024.747	808293.440		858.58

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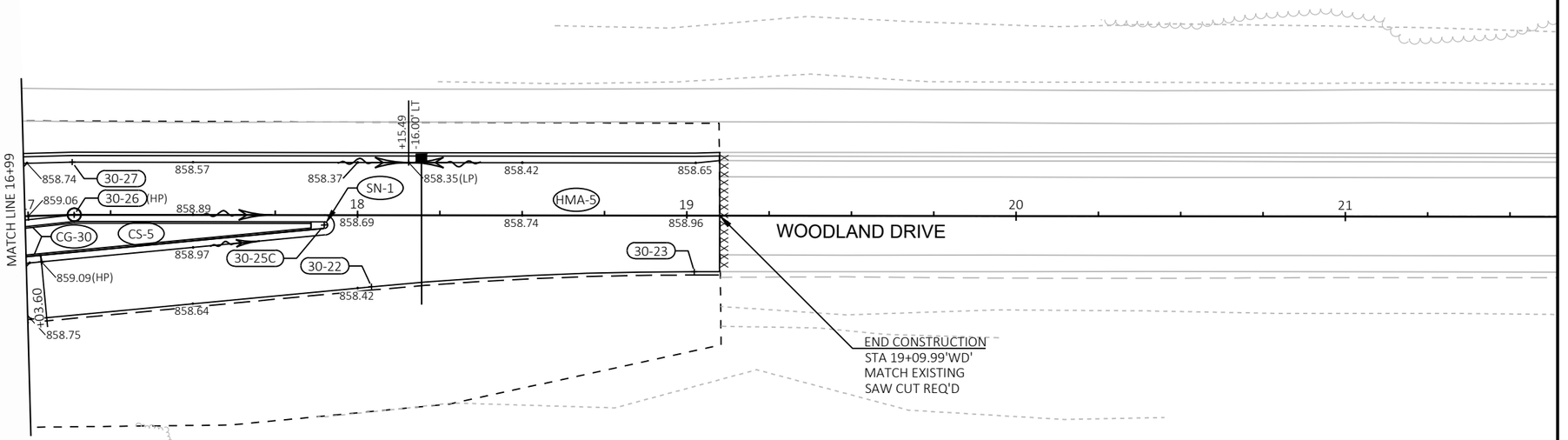


STATION & OFFSET TABLE

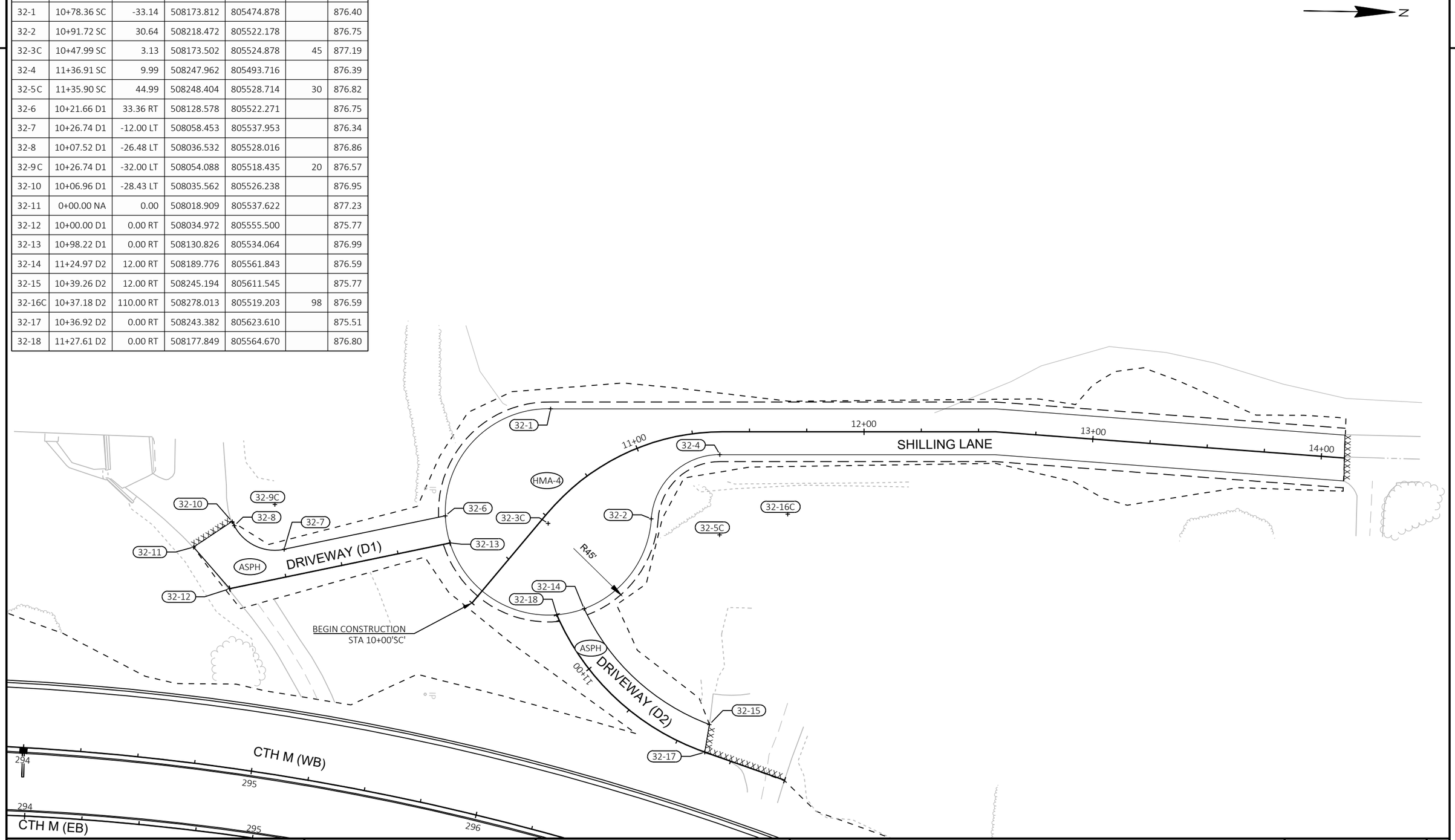
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
30-22	18+04.27	21.71	510194.017	808331.433		858.41
30-23	19+02.28	17.00	510292.087	808328.169		858.62
30-24C	19+02.28	1040.00	510277.035	809351.059	1023	0.00
30-25C	17+89.86	3.00	510179.888	808312.517	1	0.00
30-26	17+13.93	0.00	510104.011	808308.400		859.04
30-27	17+13.78	16.01	510103.646	808292.393		858.72

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
31-20	10+21.29	7.00	510008.295	810946.229		859.08
31-21	10+76.22	9.48	510058.282	810959.343		860.50
31-22C	10+36.34	97.52	510011.163	811037.123	91	0.00
31-23	11+44.86	14.20	510125.799	810984.996		862.57
31-24C	12+01.99	180.16	510161.910	810788.283	200	0.00
31-25	11+53.92	15.22	510135.674	810986.555		862.73
31-26	11+88.68	54.57	510177.330	811022.883		863.00
31-27C	11+50.20	65.00	510129.114	811036.123	50	0.00
31-28	10+21.29	7.00	510008.663	810932.234		859.23
31-29	10+47.37	7.00	510035.749	810935.313		859.61
31-30C	10+87.49	150.00	510004.536	811089.179	157	0.00
31-31	11+17.35	15.03	510103.955	810951.522		861.98
31-32	11+68.11	62.96	510145.843	810908.214		863.92
31-33C	11+15.57	50.00	510112.092	810917.481	35	0.00

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
31-1	10+45.37	78.23	510292.550	811042.089		862.64
31-2	11+09.02	15.00	510342.819	810972.588		861.11
31-3C	11+08.79	70.00	510345.585	811027.519	55	0.00
31-4	11+79.07	11.00	510412.515	810965.074		860.26
31-5	12+24.49	11.00	510457.883	810962.789		859.85
31-6	0+00.00	0.00	510458.018	810941.081		859.73
31-7	12+05.69	11.00	510438.002	810941.762		859.97
31-8	11+37.54	22.00	510369.385	810934.204		860.49
31-9	10+76.43	22.00	510306.923	810938.589		861.72
31-10	10+32.27	66.37	510254.312	810902.028		863.77
31-11C	10+77.79	71.98	510302.526	810888.782	50	0.00

SHARED USE PATH
SHARED USE PATH
KUPFER RD
MARY LAKE RD
CTH M (EB)
CTH M (WB)
N
ASPHALTIC FLUMES STA 11+11.90
ASPHALTIC FLUMES STA 10+81.11
ASPHALTIC FLUMES STA 11+13.95
ASPHALTIC FLUMES STA 355+05.29
SEE CURB RAMP DETAIL SHEETS
SEE CTH M PLAN DETAIL SHEETS
BEGIN CONSTRUCTION STA 10+15'KU' MATCH EXISTING SAW CUT REQ'D
END CONSTRUCTION STA 12+25.11'ML' MATCH EXISTING SAW CUT REQ'D
11+00
12+00
31-1
31-2
31-3C
31-4
31-5
31-6
31-7
31-8
31-9
31-10
31-11C
31-20
31-21
31-22C
31-23
31-24C
31-25
31-26
31-27C
31-28
31-29
31-30C
31-31
31-32
31-33C
CS-5
CG-36
CGS-36
HMA-3
HMA-4
HMA-7
352
353
354
355
356
862.69
863.44
863.67
863.50
862.99
863.11(HP)
863.24
862.05
861.34
862.42
862.86
863.49
864.01
864.19
2.6%
3%
1.7%
0.5%
2.1%
2.2%
2.5%
1.5%
2.0%
11'
3'

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
32-1	10+78.36 SC	-33.14	508173.812	805474.878		876.40
32-2	10+91.72 SC	30.64	508218.472	805522.178		876.75
32-3C	10+47.99 SC	3.13	508173.502	805524.878	45	877.19
32-4	11+36.91 SC	9.99	508247.962	805493.716		876.39
32-5C	11+35.90 SC	44.99	508248.404	805528.714	30	876.82
32-6	10+21.66 D1	33.36 RT	508128.578	805522.271		876.75
32-7	10+26.74 D1	-12.00 LT	508058.453	805537.953		876.34
32-8	10+07.52 D1	-26.48 LT	508036.532	805528.016		876.86
32-9C	10+26.74 D1	-32.00 LT	508054.088	805518.435	20	876.57
32-10	10+06.96 D1	-28.43 LT	508035.562	805526.238		876.95
32-11	0+00.00 NA	0.00	508018.909	805537.622		877.23
32-12	10+00.00 D1	0.00 RT	508034.972	805555.500		875.77
32-13	10+98.22 D1	0.00 RT	508130.826	805534.064		876.99
32-14	11+24.97 D2	12.00 RT	508189.776	805561.843		876.59
32-15	10+39.26 D2	12.00 RT	508245.194	805611.545		875.77
32-16C	10+37.18 D2	110.00 RT	508278.013	805519.203	98	876.59
32-17	10+36.92 D2	0.00 RT	508243.382	805623.610		875.51
32-18	11+27.61 D2	0.00 RT	508177.849	805564.670		876.80

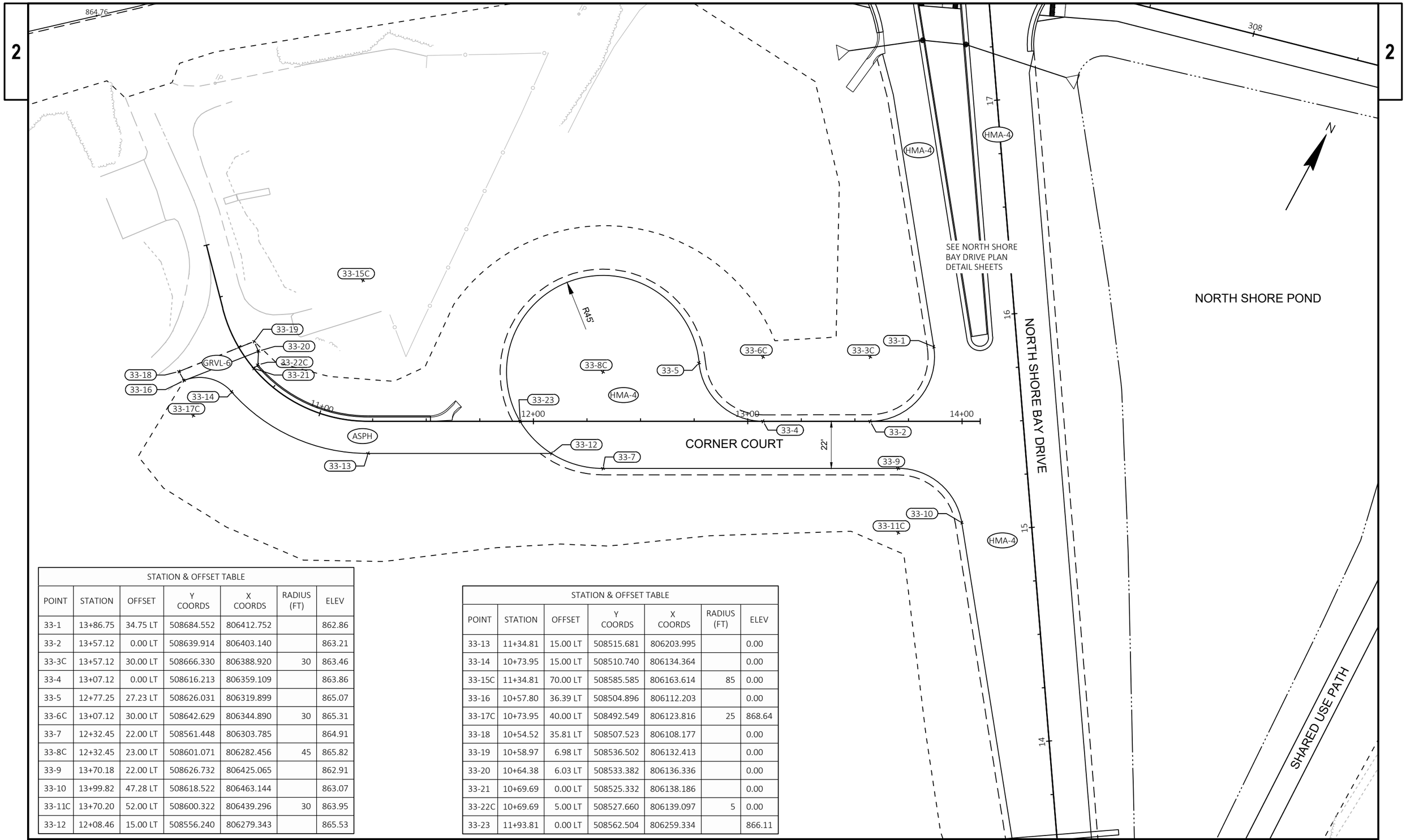


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - SHILLING LANE	SHEET 101	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - SHILLING

PLOT DATE : 4/12/2023 10:42 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
33-1	13+86.75	34.75 LT	508684.552	806412.752		862.86
33-2	13+57.12	0.00 LT	508639.914	806403.140		863.21
33-3C	13+57.12	30.00 LT	508666.330	806388.920	30	863.46
33-4	13+07.12	0.00 LT	508616.213	806359.109		863.86
33-5	12+77.25	27.23 LT	508626.031	806319.899		865.07
33-6C	13+07.12	30.00 LT	508642.629	806344.890	30	865.31
33-7	12+32.45	22.00 LT	508561.448	806303.785		864.91
33-8C	12+32.45	23.00 LT	508601.071	806282.456	45	865.82
33-9	13+70.18	22.00 LT	508626.732	806425.065		862.91
33-10	13+99.82	47.28 LT	508618.522	806463.144		863.07
33-11C	13+70.20	52.00 LT	508600.322	806439.296	30	863.95
33-12	12+08.46	15.00 LT	508556.240	806279.343		865.53

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS (FT)	ELEV
33-13	11+34.81	15.00 LT	508515.681	806203.995		0.00
33-14	10+73.95	15.00 LT	508510.740	806134.364		0.00
33-15C	11+34.81	70.00 LT	508585.585	806163.614	85	0.00
33-16	10+57.80	36.39 LT	508504.896	806112.203		0.00
33-17C	10+73.95	40.00 LT	508492.549	806123.816	25	868.64
33-18	10+54.52	35.81 LT	508507.523	806108.177		0.00
33-19	10+58.97	6.98 LT	508536.502	806132.413		0.00
33-20	10+64.38	6.03 LT	508533.382	806136.336		0.00
33-21	10+69.69	0.00 LT	508525.332	806138.186		0.00
33-22C	10+69.69	5.00 LT	508527.660	806139.097	5	0.00
33-23	11+93.81	0.00 LT	508562.504	806259.334		866.11

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN DETAILS - CORNER COURT	SHEET 102	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - CORNER CT

PLOT DATE : 4/12/2023 10:42 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

EXISTING R/W

ONCKEN RD

R/W

SI

25' TYP

EXISTING R/W

270+00 'WB'

271+00 'WB'

272+00 'WB'

273+00 'WB'

274+00 'WB'

275+0

BEGIN CONSTRUCTION
STA 271+51.14

270+00 'EB'

271+00 'EB'

272+00 'EB'

273+00 'EB'

274+00 'EB'

275+0

CTH M

MATCH LINE 275+00 'EB'

TLE

EXISTING R/W

PARK ENTRANCE

SIGN

NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

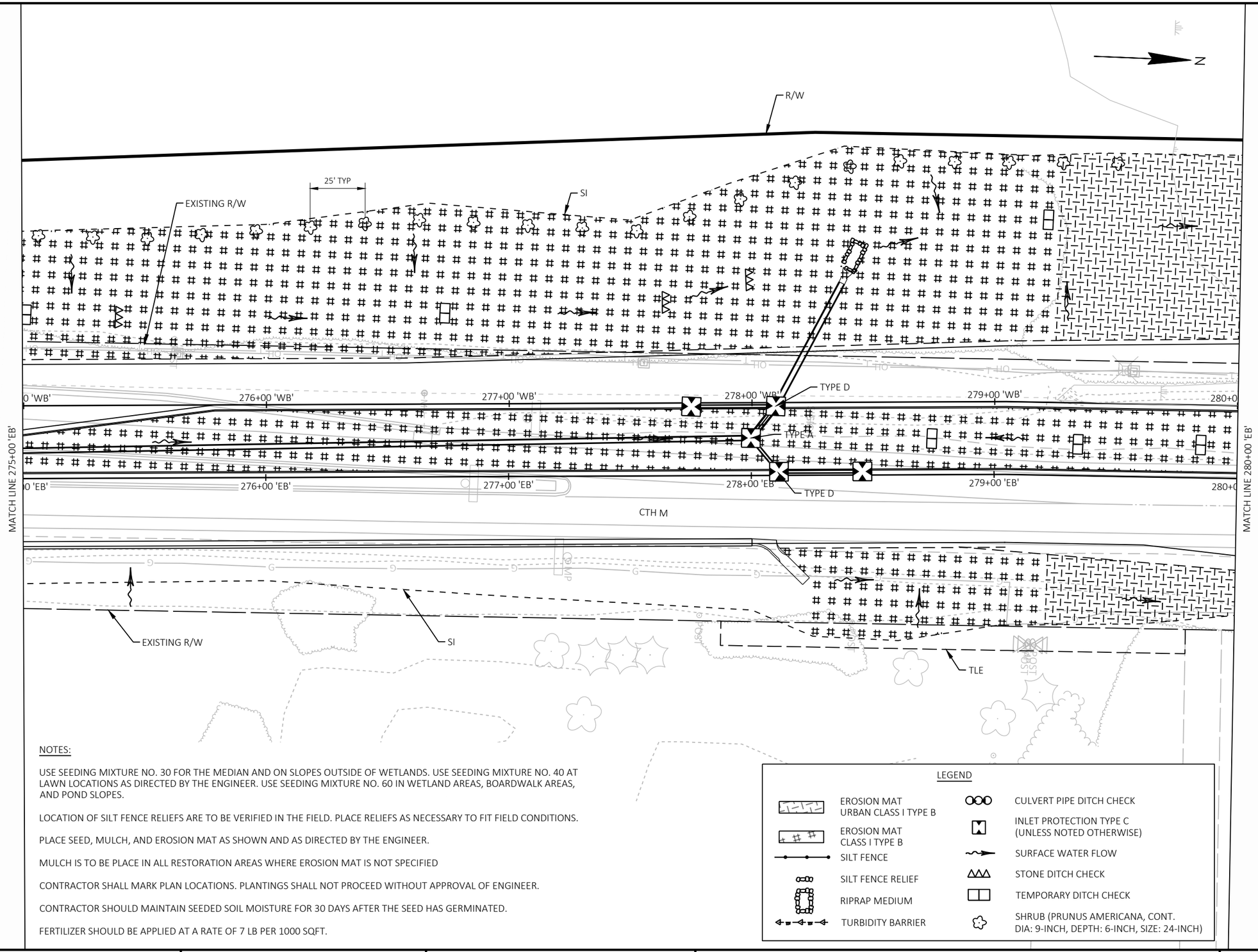
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 103	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 02

PLOT DATE : 4/12/2023 4:16 PM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

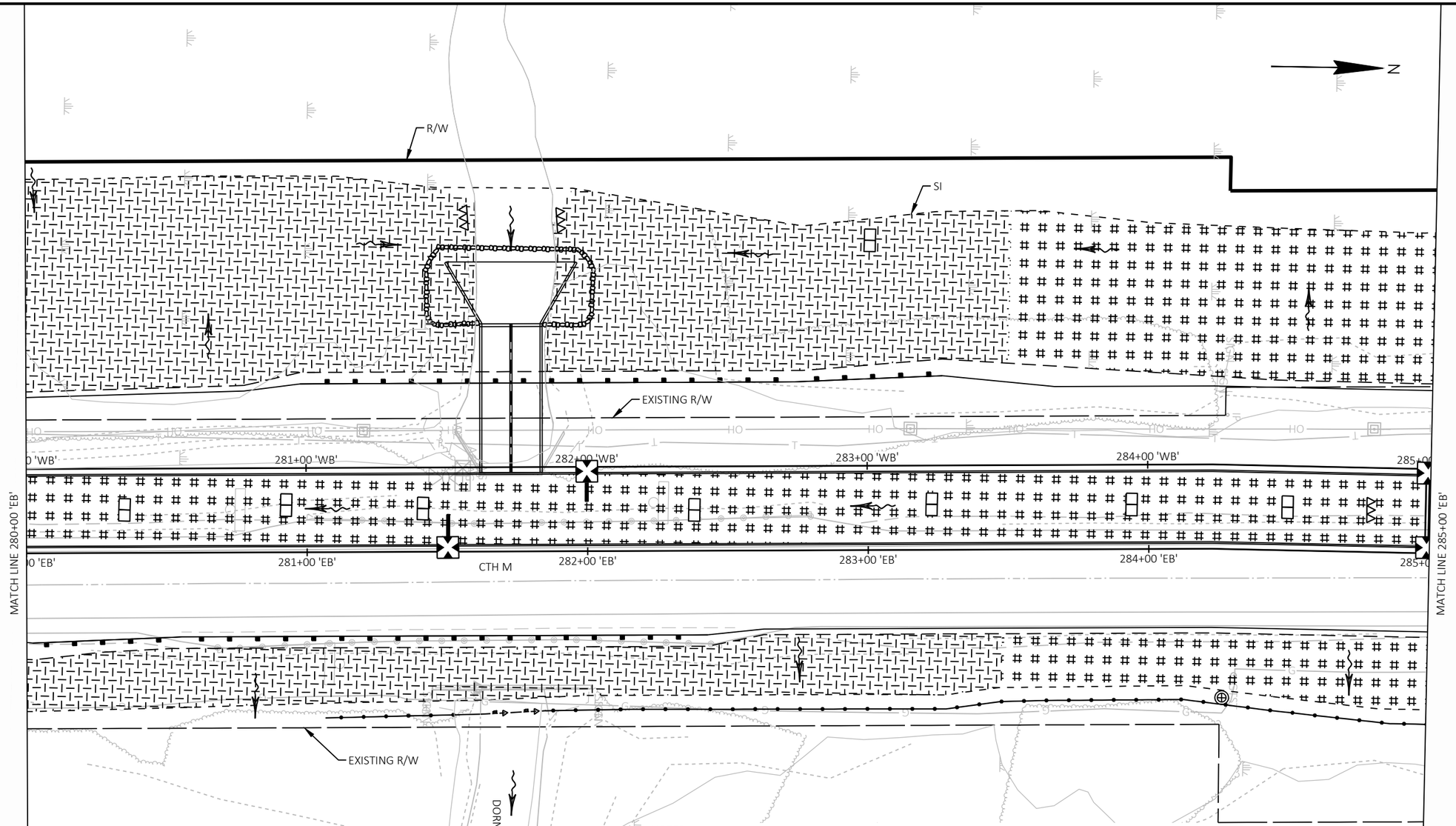
LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 104	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 03
PLOT DATE : 4/12/2023 4:17 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 105	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 04
PLOT DATE : 4/12/2023 4:17 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

N

SI

EXISTING R/W

R/W

TLE

'WB' 286+00 'WB' 287+00 'WB' 288+00 'WB' 289+00 'WB'

TYPE A

0 'EB' 286+00 'EB' 287+00 'EB' 288+00 'EB' 289+00 'EB'

MATCH LINE 285+00 'EB'

MATCH LINE 289+75 'EB'

CTH M

DORN CREEK POND :

EXISTING R/W

R/W

SI

R/W

NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 106	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 05
PLOT DATE : 4/12/2023 4:18 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

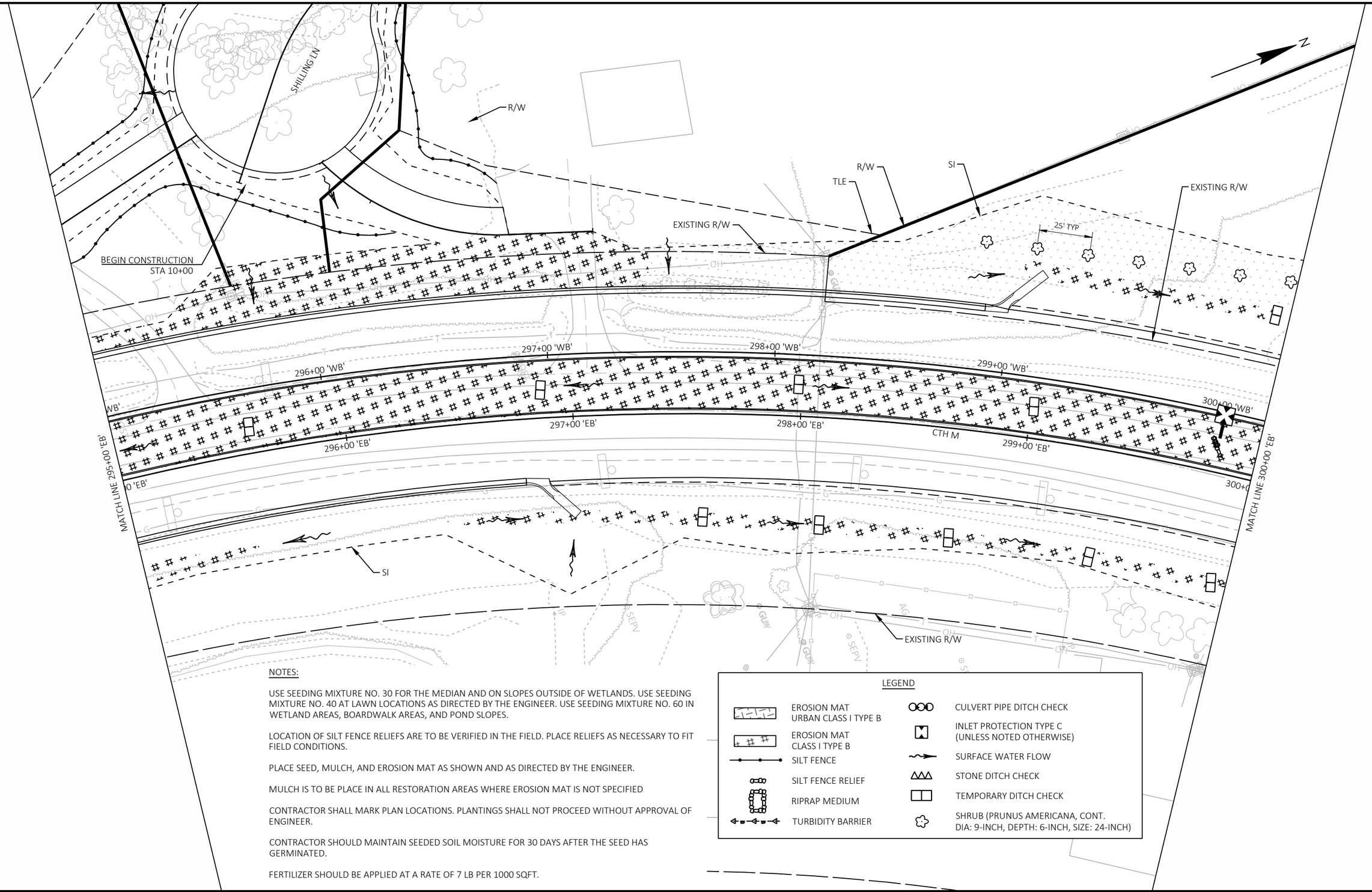
LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 107	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 06
PLOT DATE : 4/12/2023 4:18 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

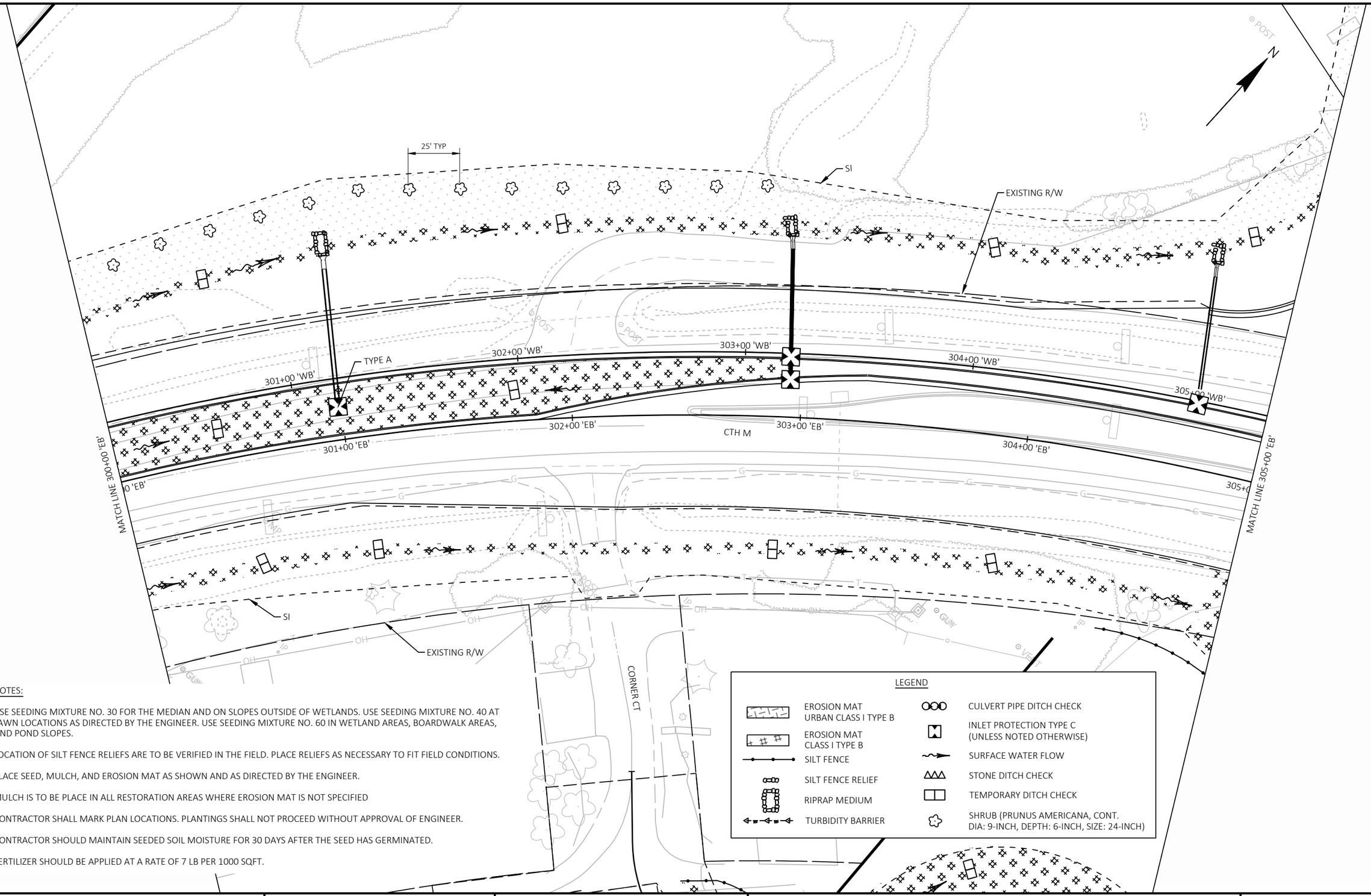
FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 108	E

2



NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 109	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 08
PLOT DATE : 4/12/2023 4:19 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

MATCHLINE 85+25 'K'
CTH K
CTH K
86+00 'WP'
86+00 'KWB'
86+00 'K'
CTH K FLOOD PLAIN STORAGE
EXISTING R/W
87+00 'WP'
88+00 'WP'
EX CTH K
CTH M
306+00 'WB'
307+00 'WB'
308+00 'WB'
309+00 'WB'
310+00 'WB'
MATCH LINE 305+00 'EB'
306+00 'EB'
307+00 'EB'
308+00 'EB'
309+00 'EB'
310+00 'EB'
MATCH LINE 310+00 'EB'
18+00 'NSB'
17+00 'NSB'
17+00 'NS'
N SHORE BAY DR
NORTH SHORE POND
MATCHLINE 16+60 'NSB'
308+00 'SP1'
309+00 'SP1'
310+00 'SP1'
15+00 'SP1'
14+00 'SP1'
14+00 'SP2'
EXISTING R/W

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 110	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 09
PLOT DATE : 4/12/2023 4:20 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

N

25' TYP

SI

R/W

EXISTING R/W

TLE

MATCH LINE 310+00 'EB'

MATCH LINE 315+00 'EB'

311+00 'WB'

312+00 'WB'

TYPE D

313+00 'WB'

314+00 'WB'

315+00 'WB'

311+00 'EB'

312+00 'EB'

TYPE D

313+00 'EB'

314+00 'EB'

CTH M

102+00 'BP'

103+00 'BP'

104+00 'BP'

105+00 'BP'

106+00 'BP'

SI

END MULTI-USE PATH
STA 15+51.07 'SPI'

EXISTING R/W

SIX MILE CREEK

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 111	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 10

PLOT DATE : 4/12/2023 4:20 PM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

N

TLE
R/W
EXISTING R/W
SI
MATCH LINE 315+00 'EB'
316+00 'WB'
317+00 'WB'
318+00 'WB'
319+00 'WB'
320+00 'WB'
316+00 'EB'
317+00 'EB'
318+00 'EB'
319+00 'EB'
CTH M
MATCH LINE 320+00 'EB'
107+00 'BP'
108+00 'BP'
109+00 'BP'
110+00 'BP'
111+00 'BP'
111+00 'MA'
SI
EXISTING R/W
TLE
MAINSFIELD RD
BEGIN CONSTRUCTION
STA 10+20

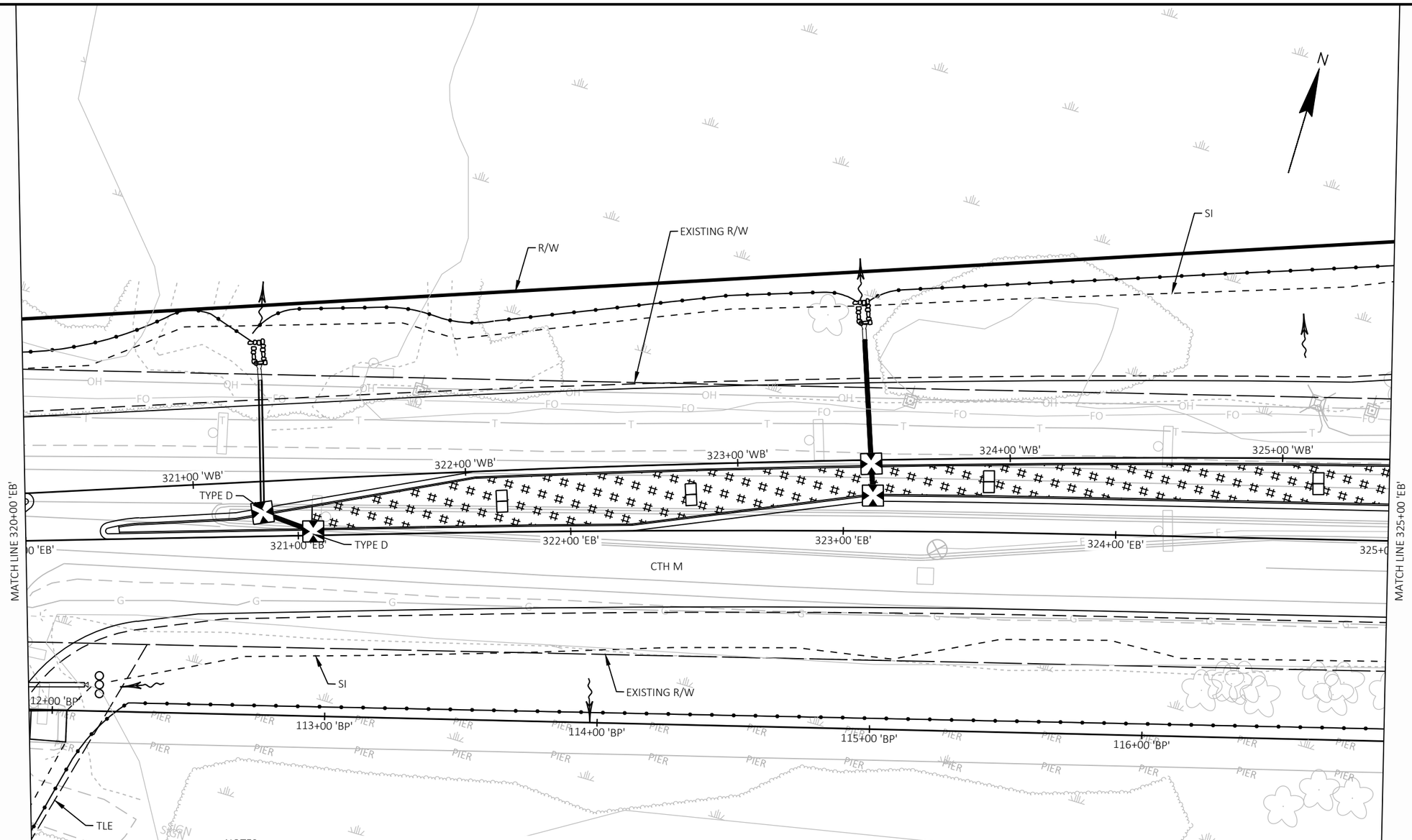
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 112	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 11

PLOT DATE : 4/12/2023 4:20 PM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

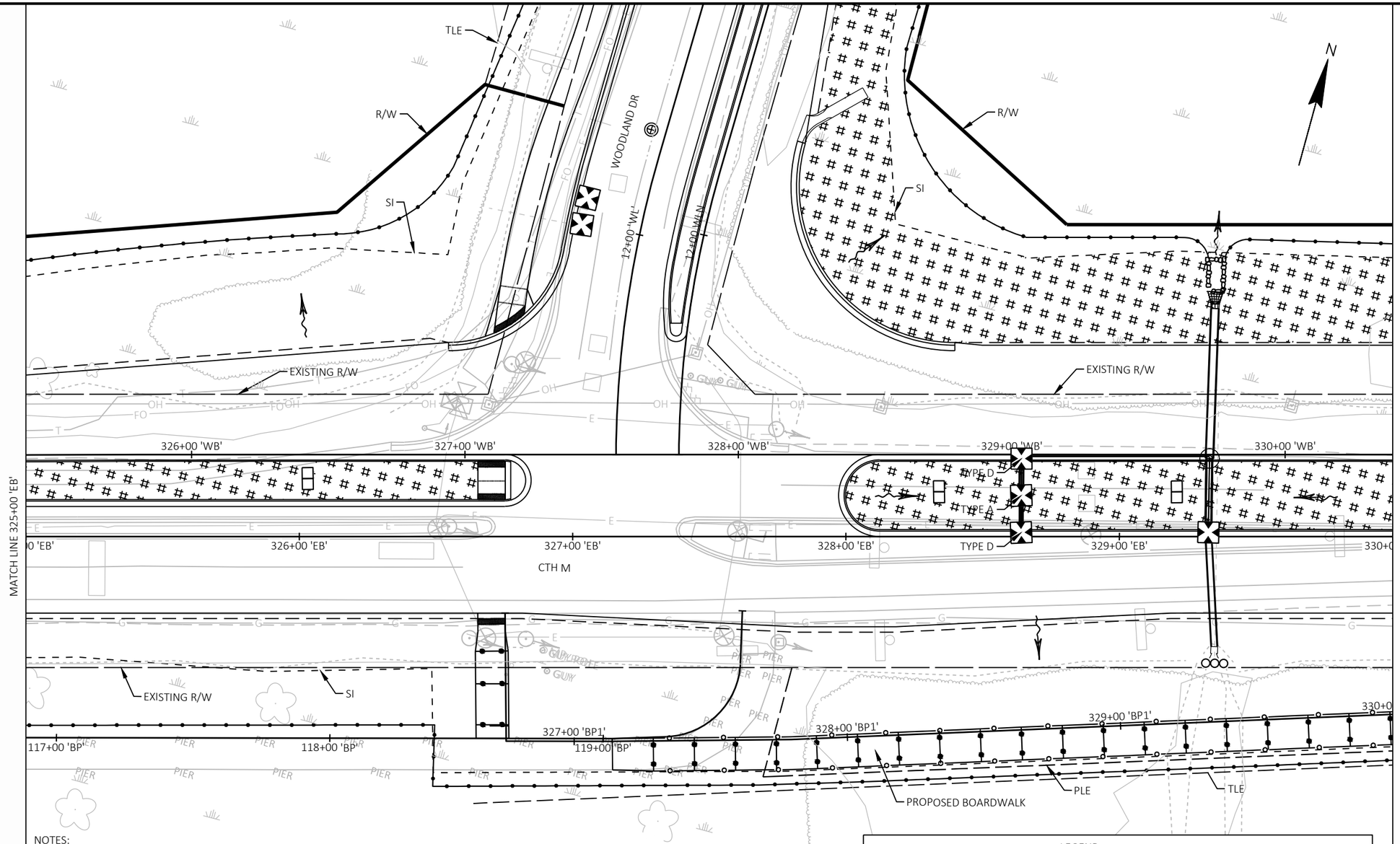
LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 113	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 12
PLOT DATE : 4/12/2023 4:21 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

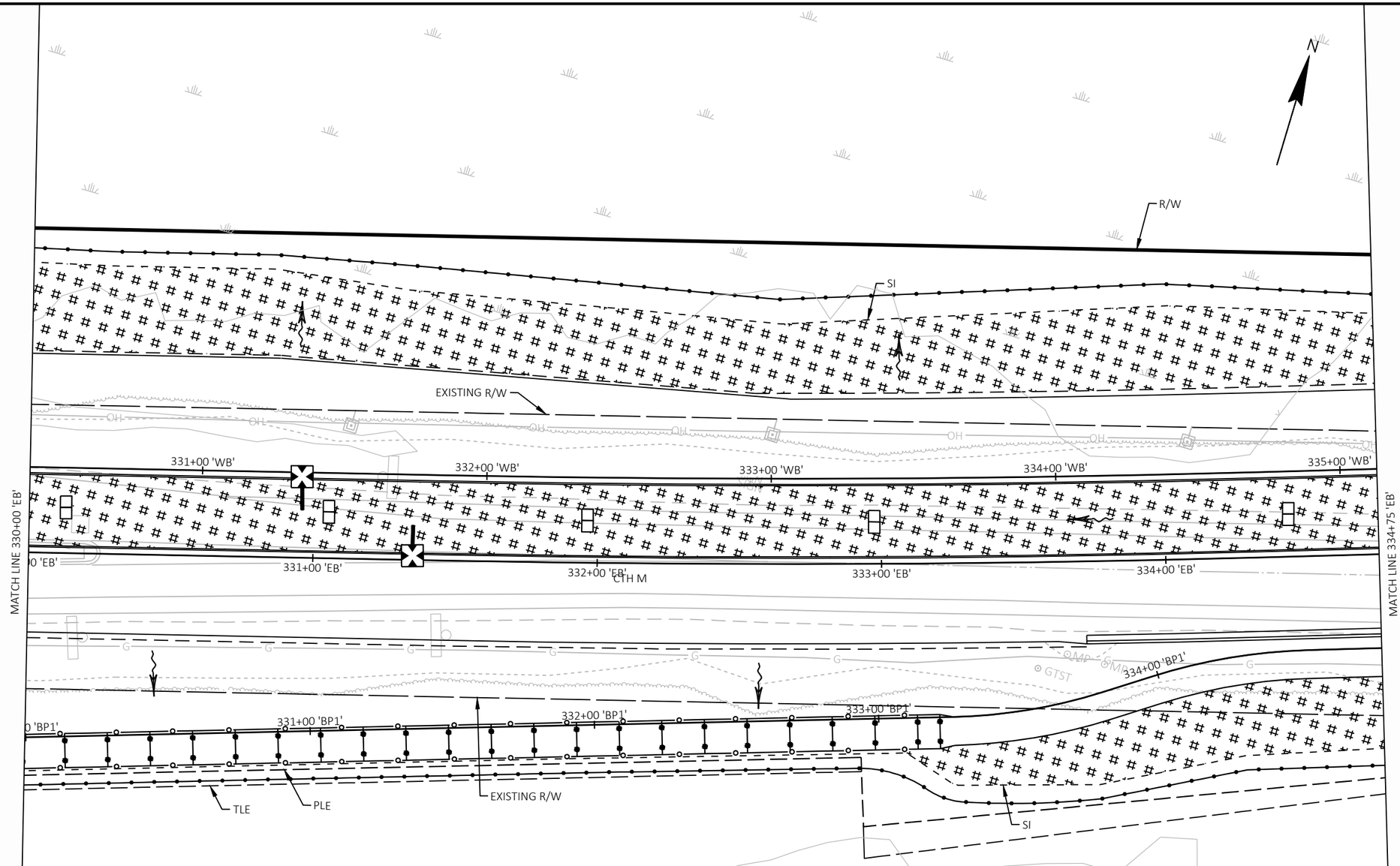
FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 114	E

2



NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

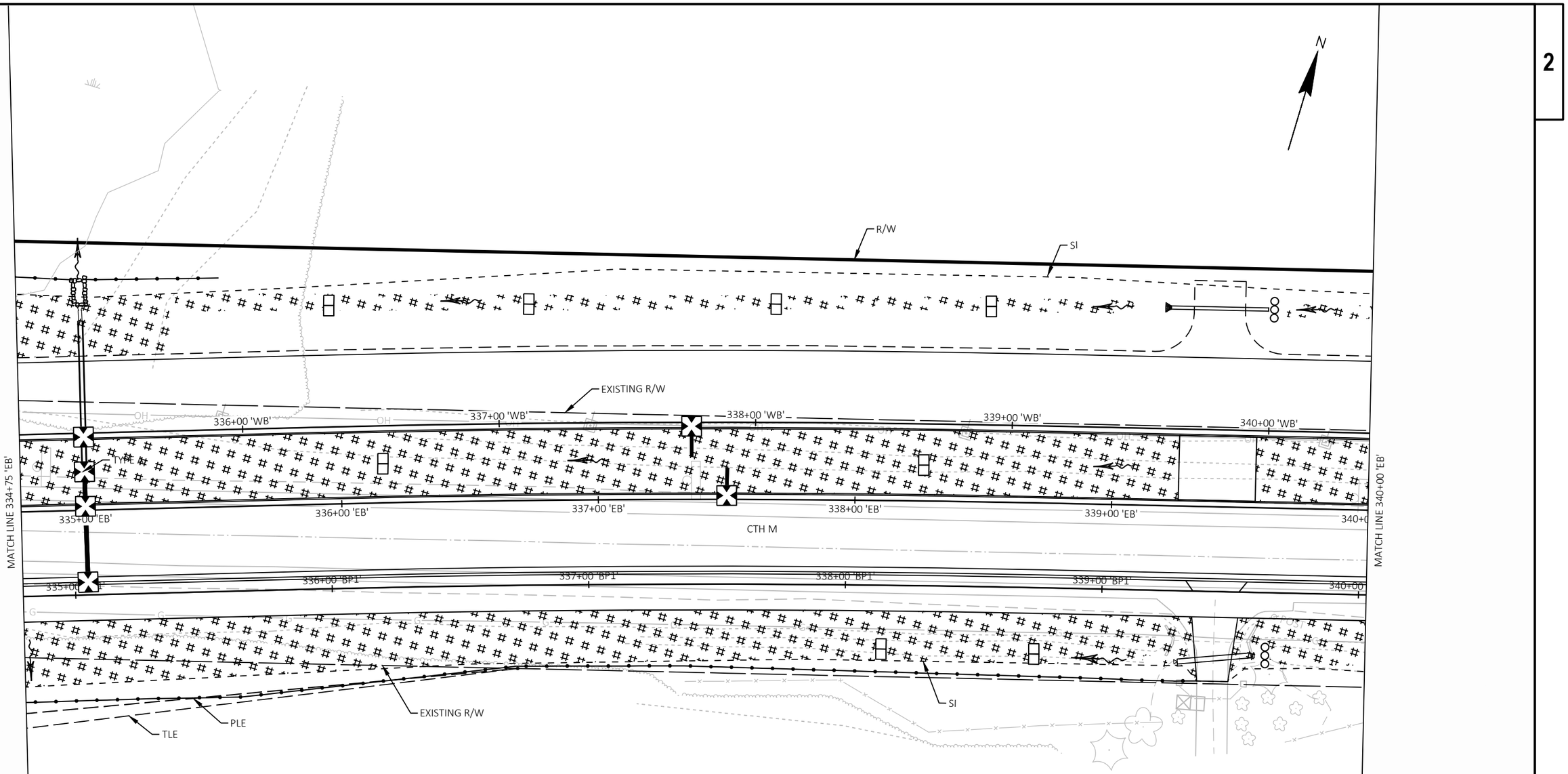
FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 115	E

2



NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

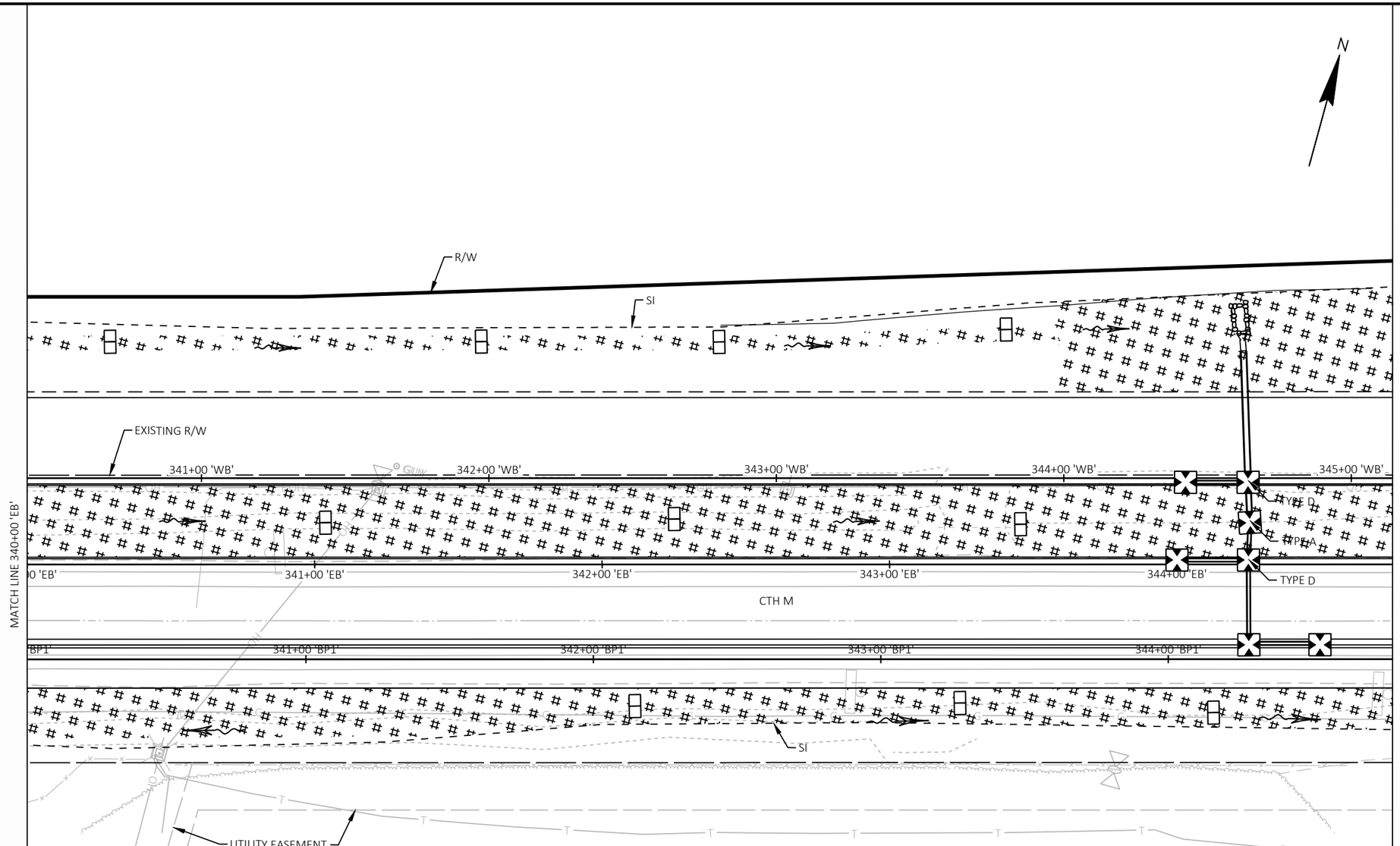
LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 116	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 15
PLOT DATE : 4/12/2023 4:23 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

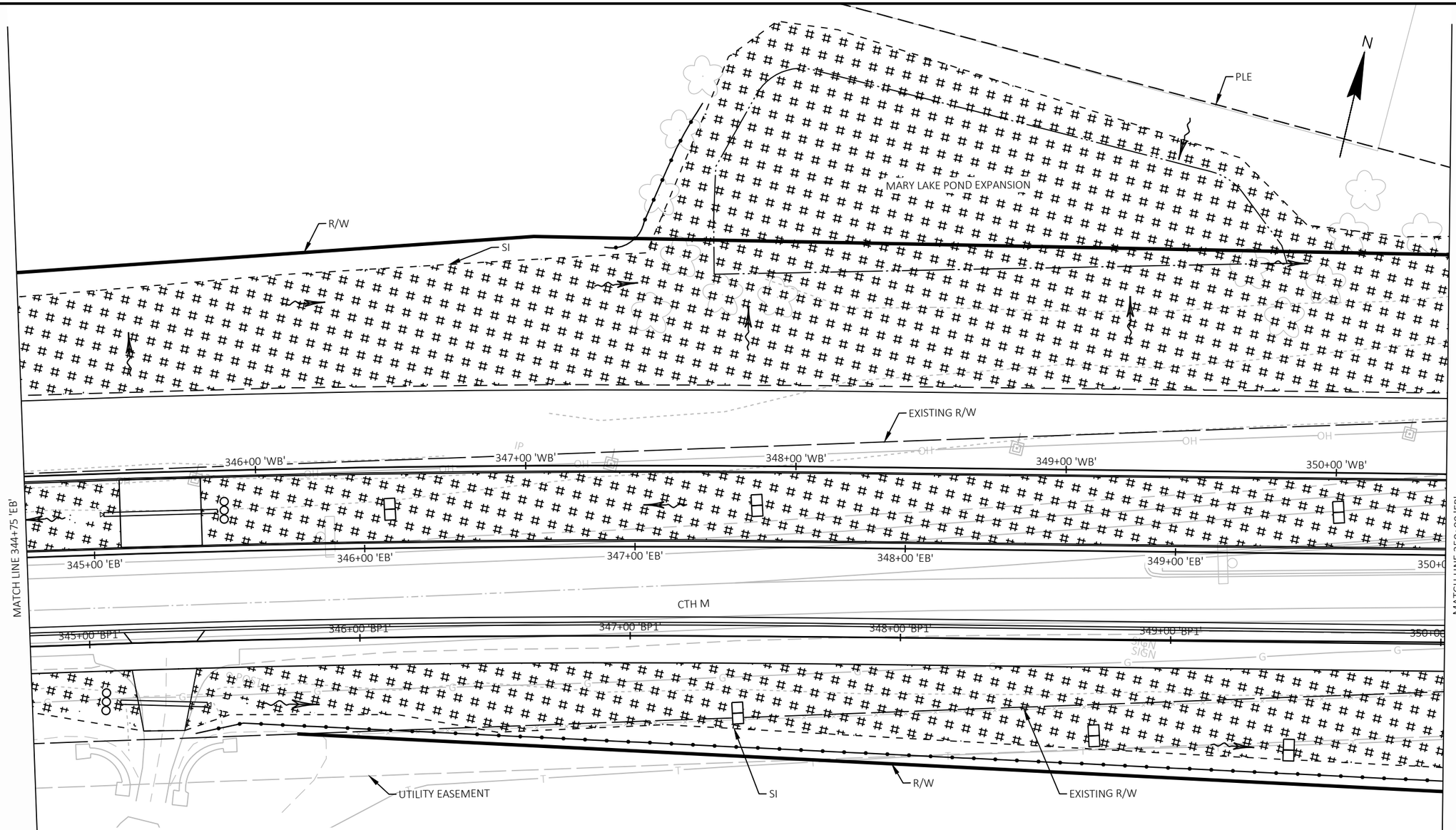
LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 117	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 16
PLOT DATE : 4/12/2023 4:23 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

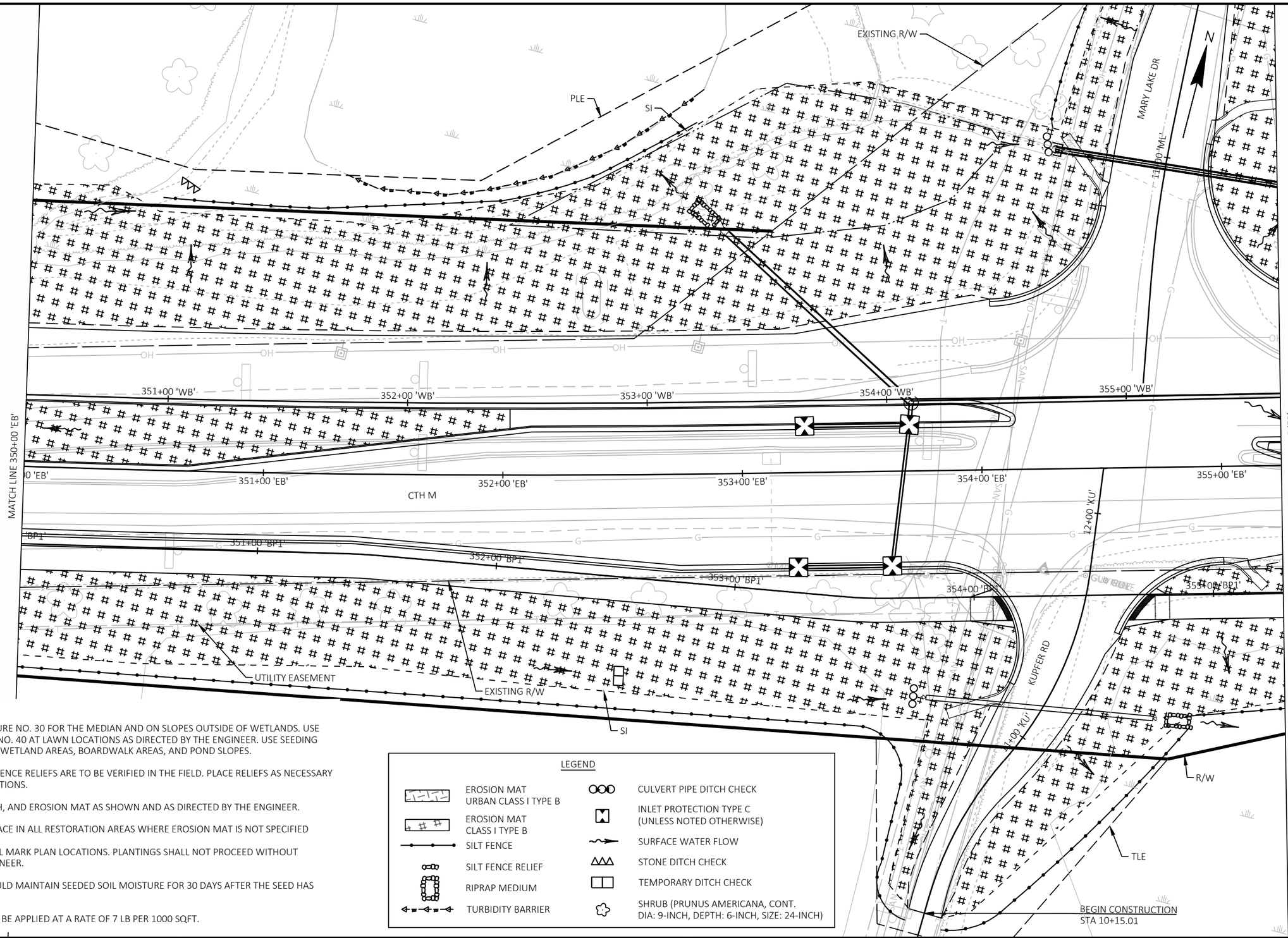
FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 118	E

2



NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

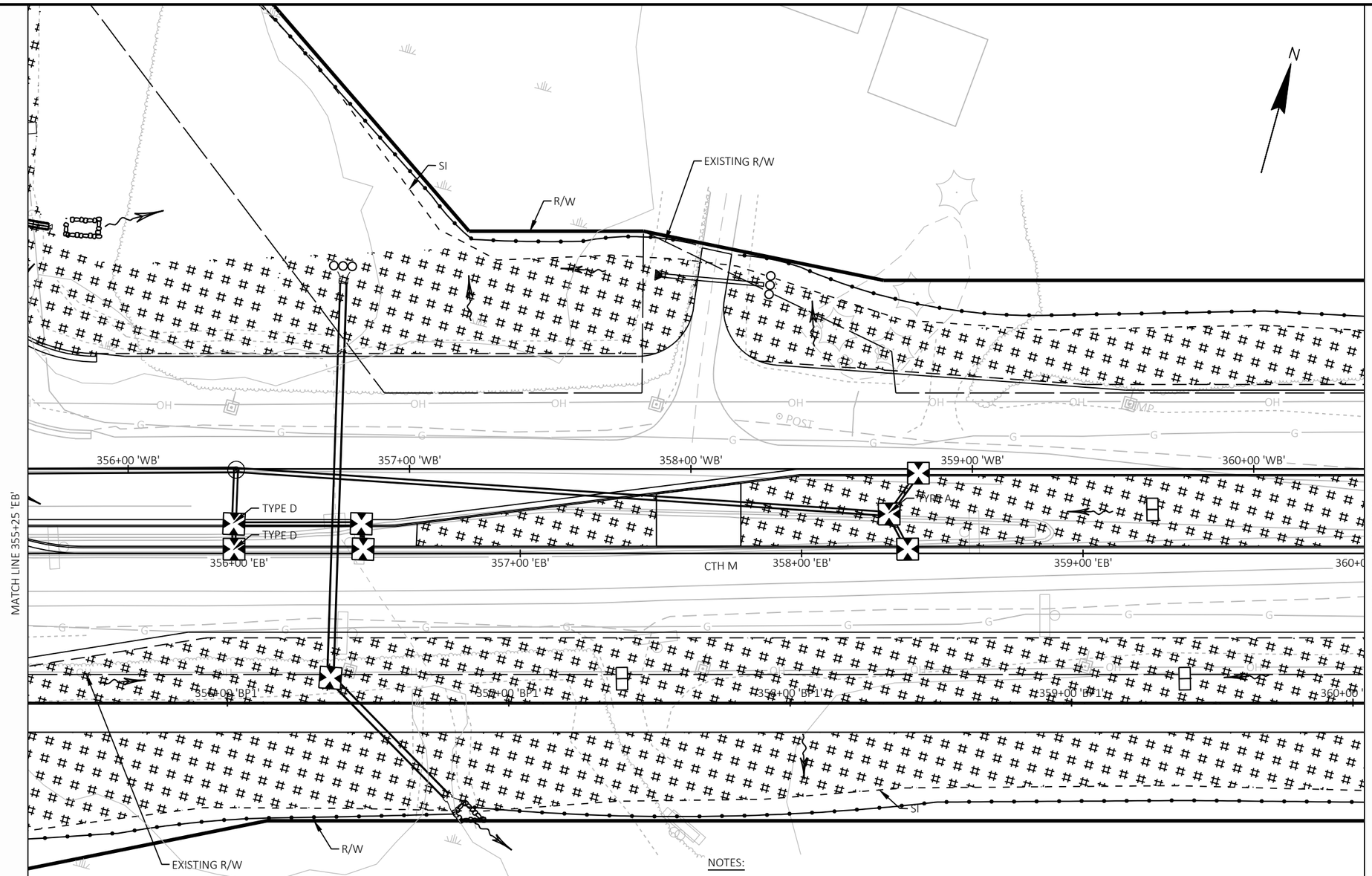
LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 119	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 18
PLOT DATE : 4/12/2023 4:24 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

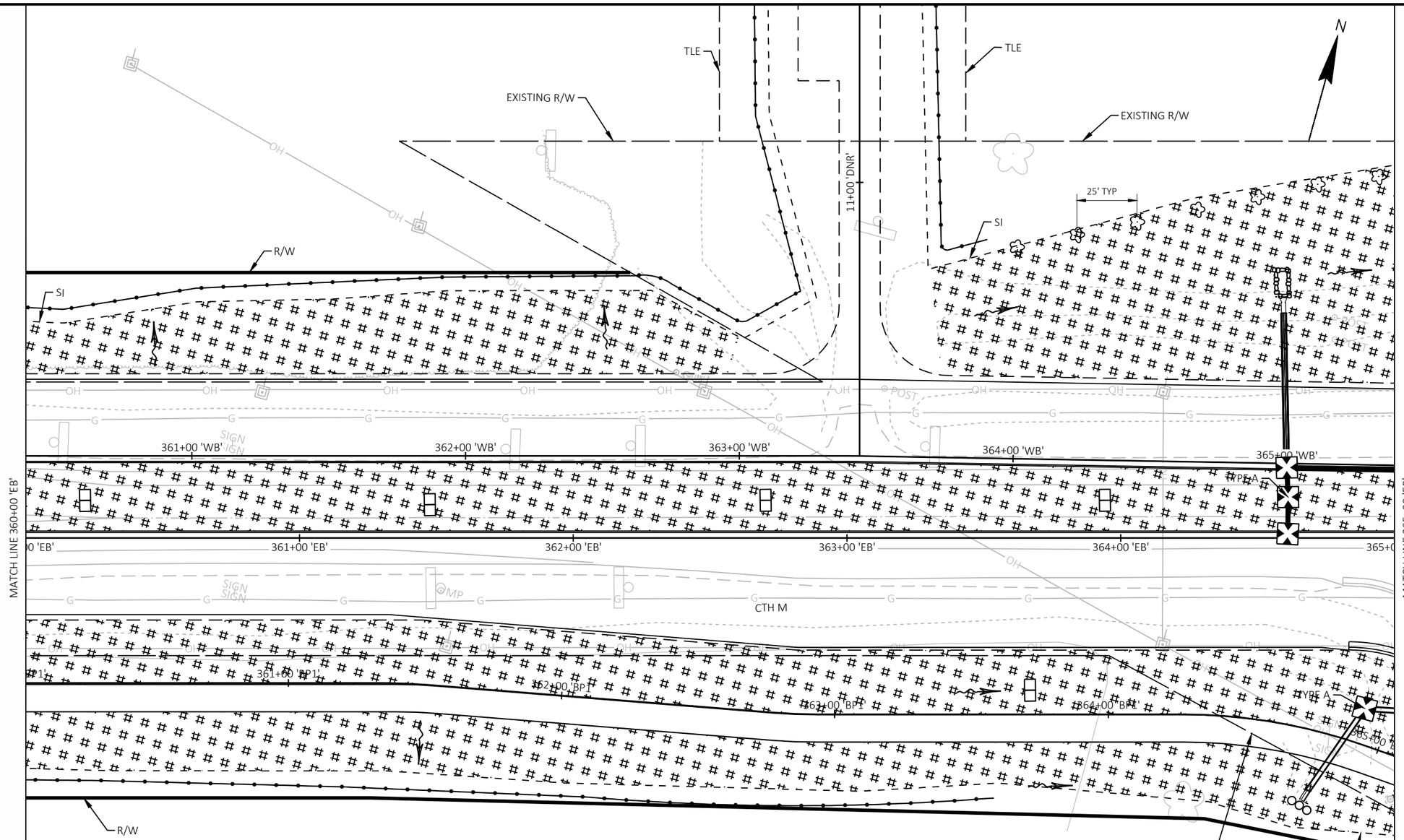
CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 120	E

2



NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 121	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 20
PLOT DATE : 4/12/2023 4:25 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

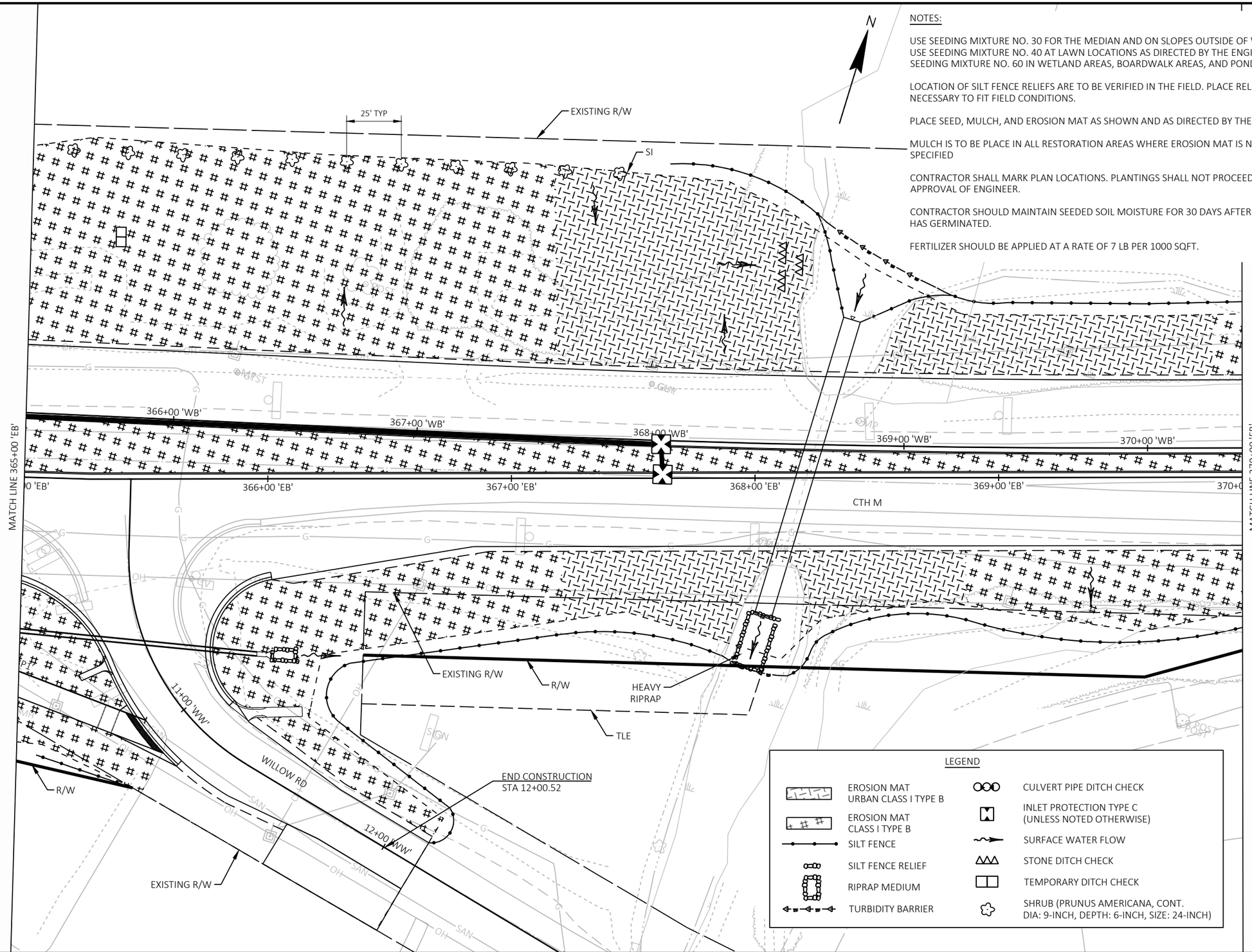
PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

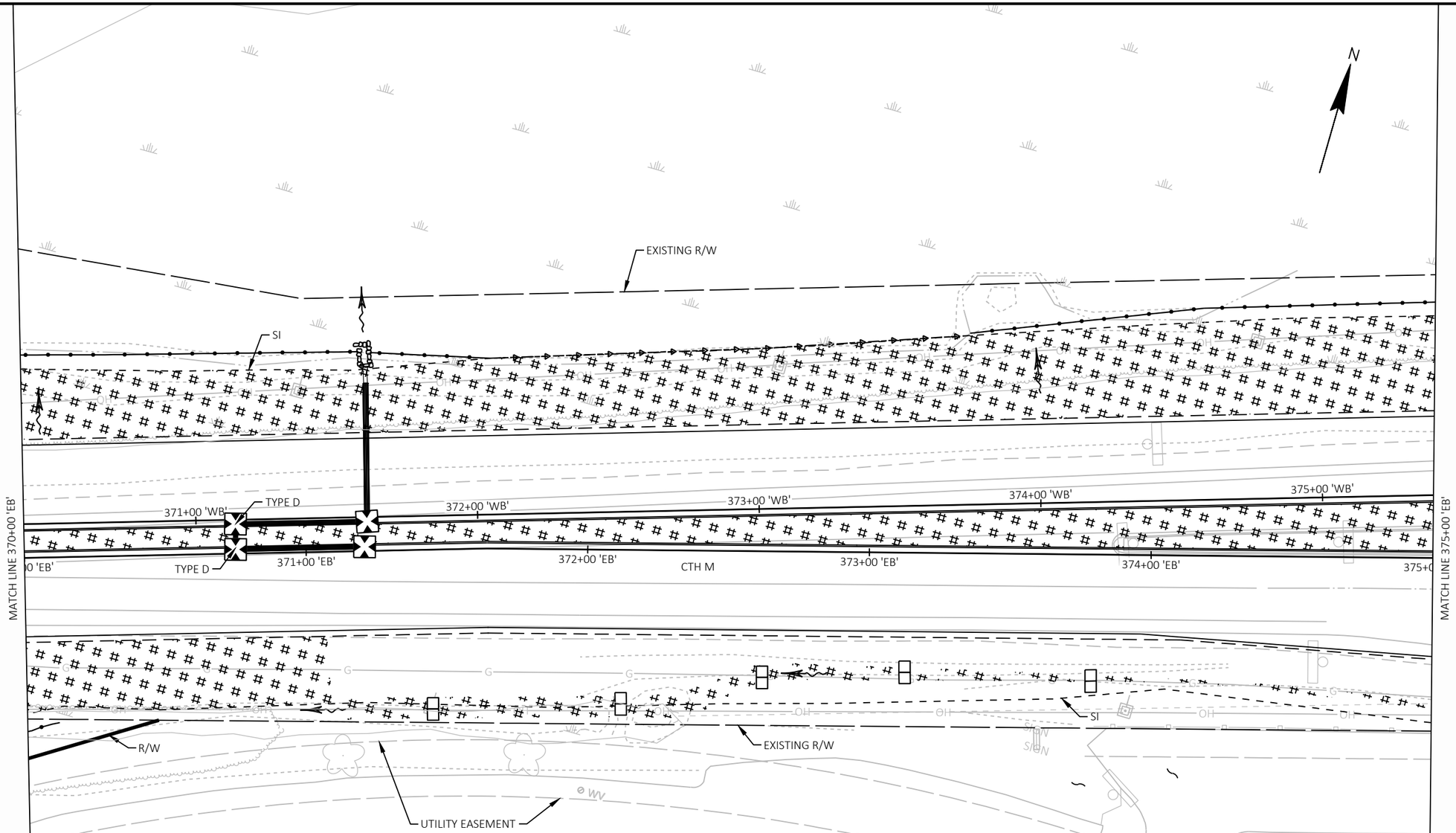
FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 122	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 21
PLOT DATE : 4/12/2023 4:26 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

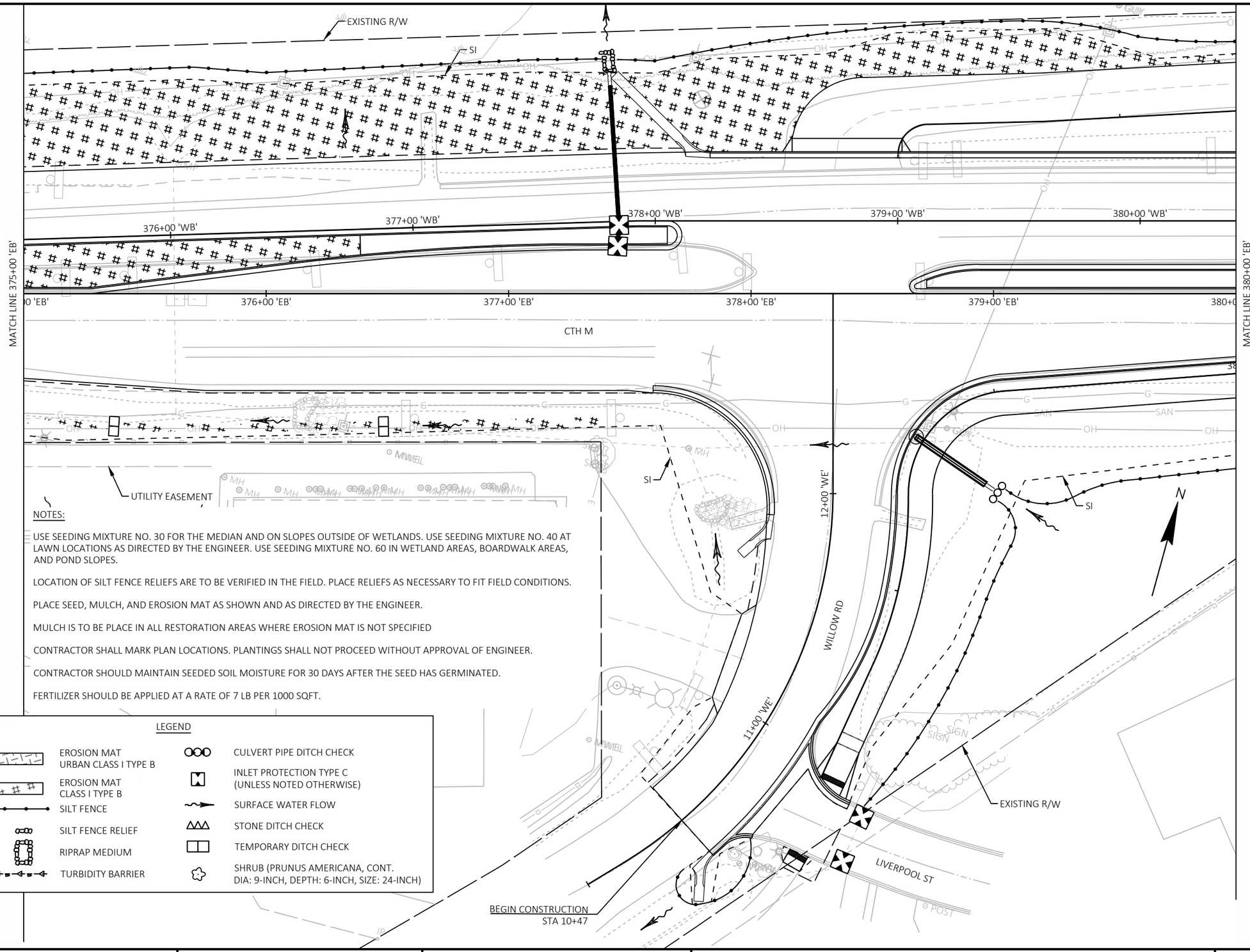
LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 123	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 22
PLOT DATE : 4/12/2023 4:26 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

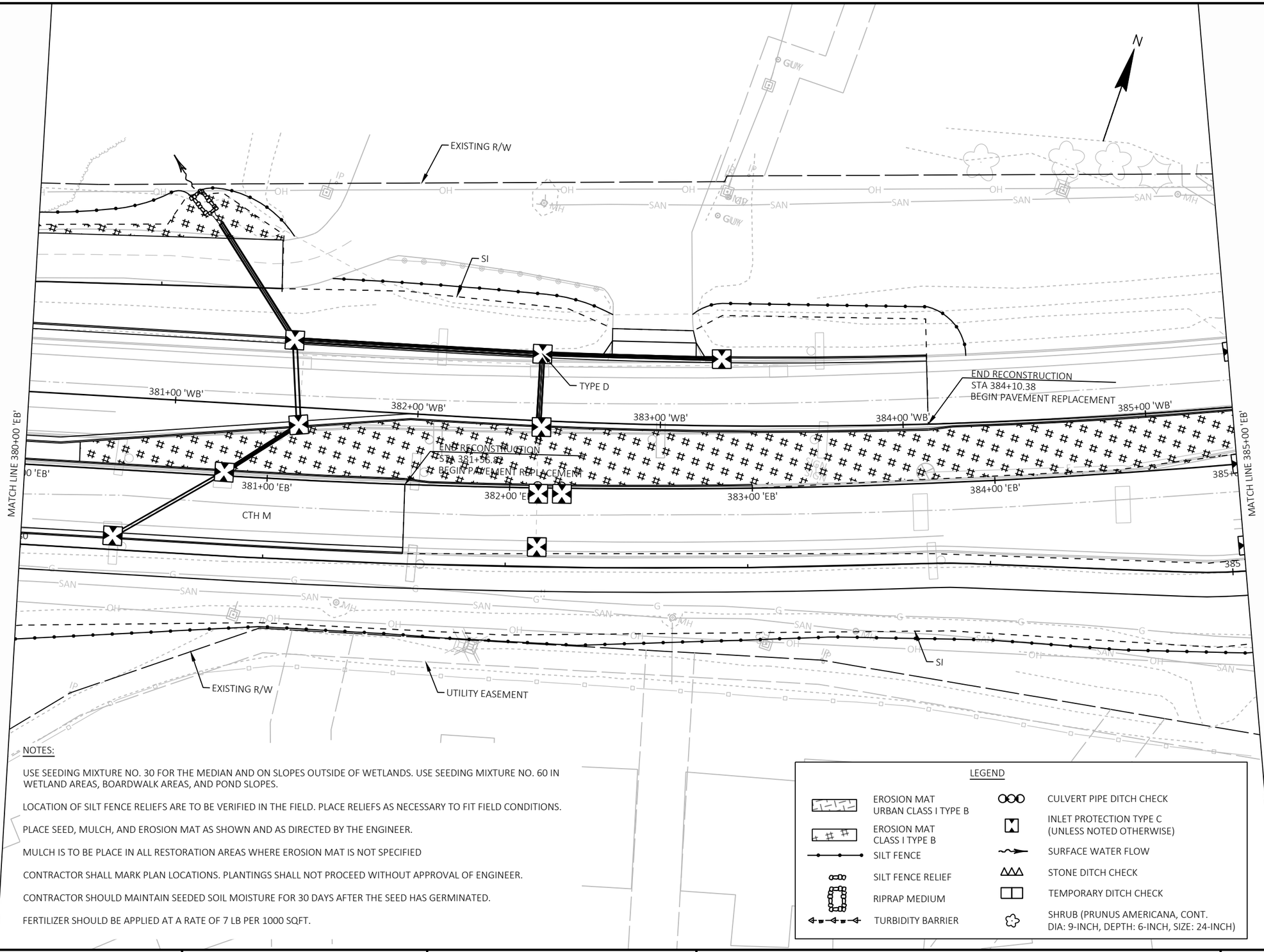
LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 124	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 23
PLOT DATE : 4/12/2023 4:27 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 125	E

2

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

N

N BLUE BILL PARK DR

EXISTING R/W

SI

386+00 'WB'

387+00 'WB'

388+00 'WB'

389+00 'WB'

390+00 'WB'

386+00 'EB'

387+00 'EB'

388+00 'EB'

389+00 'EB'

390+0

TYPE D

CTH M

MATCH LINE 385+00 'EB'

MATCH LINE 390+00 'EB'

WESTPORT RD

NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

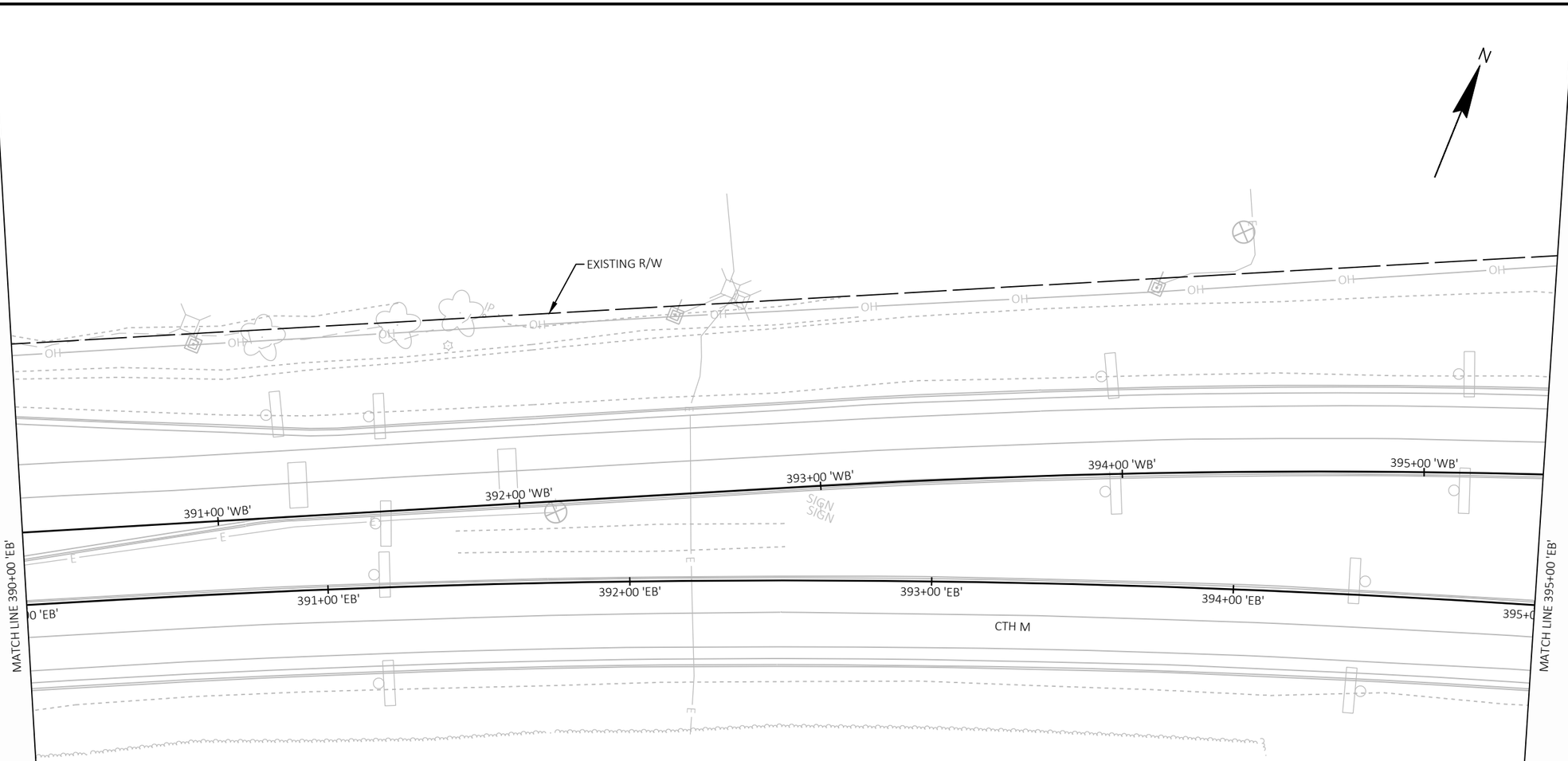
CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 126	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 25
PLOT DATE : 4/12/2023 4:28 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

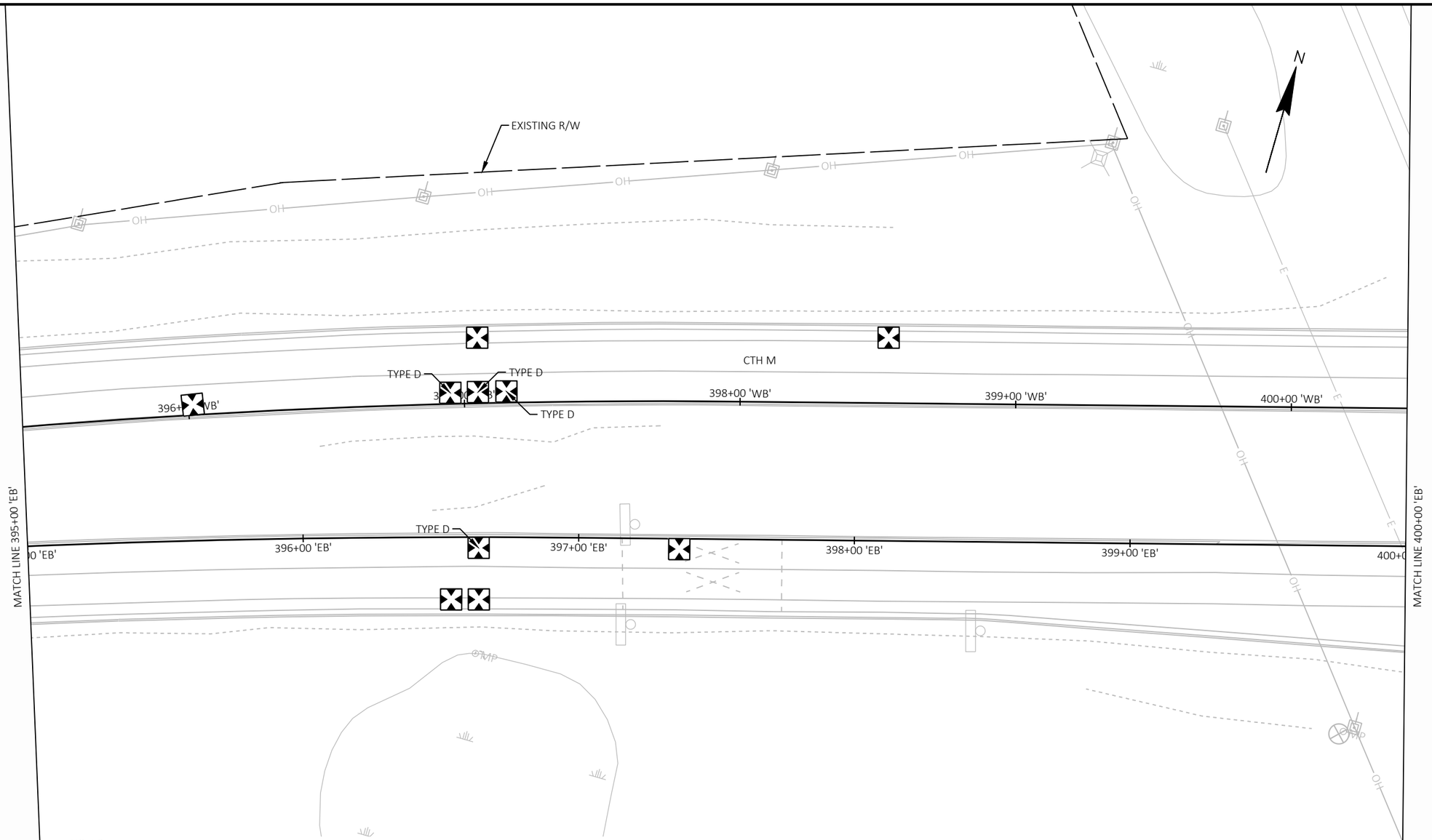
LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 127	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 26
PLOT DATE : 4/12/2023 4:28 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

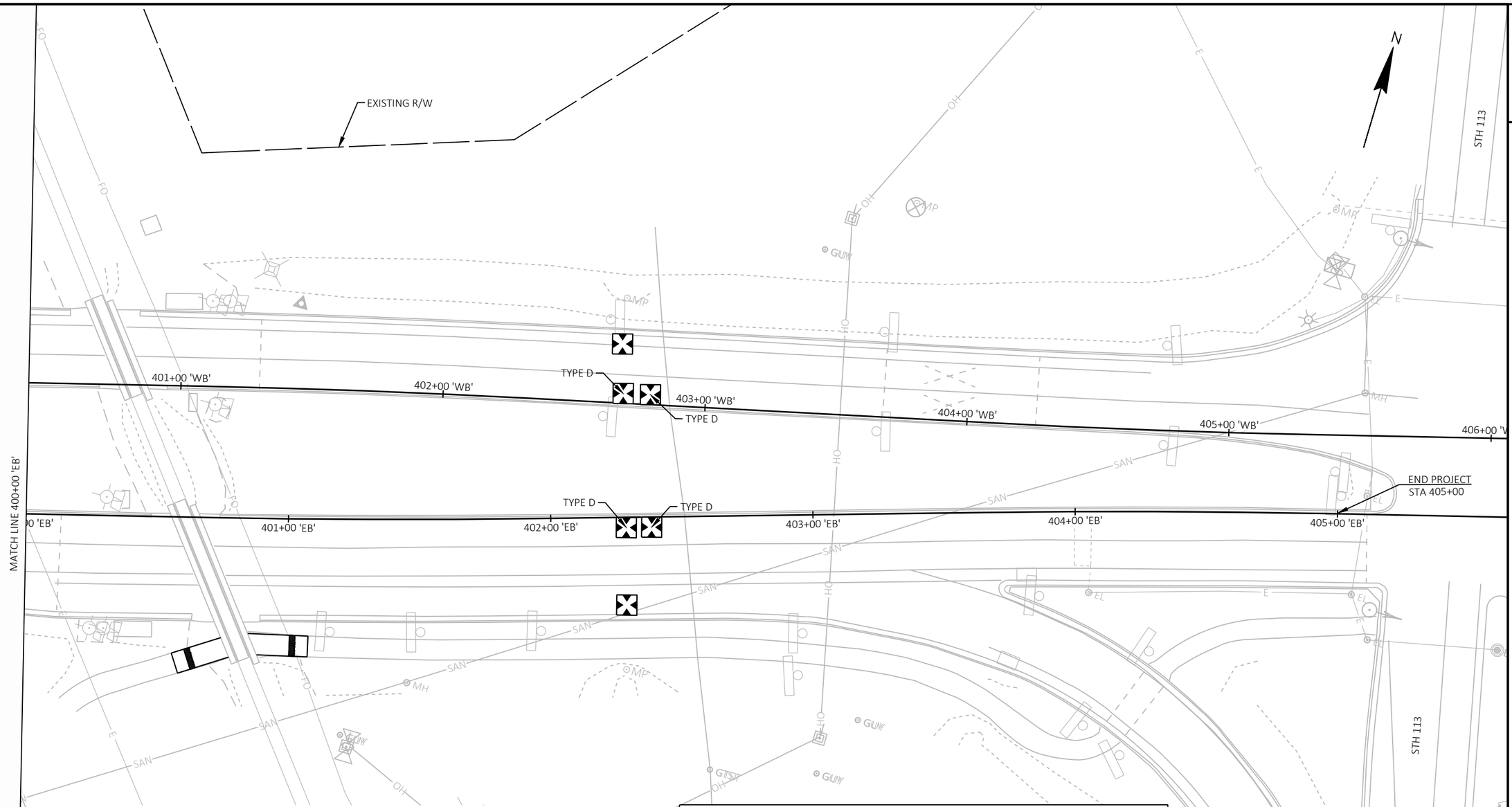
LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 128	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 27
PLOT DATE : 4/12/2023 4:29 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

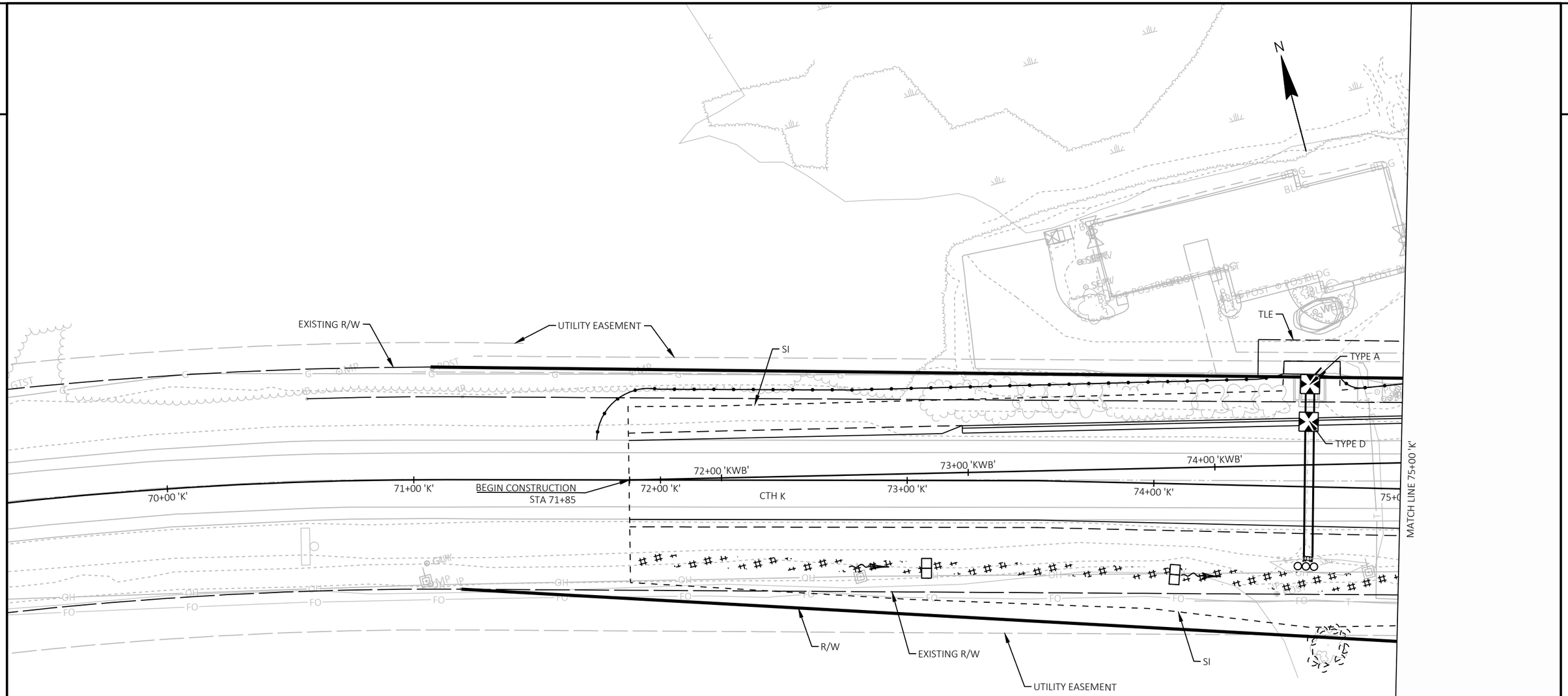
LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH M	SHEET 129	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 28
PLOT DATE : 4/12/2023 4:29 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH K	SHEET 130	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 31
PLOT DATE : 4/12/2023 4:30 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

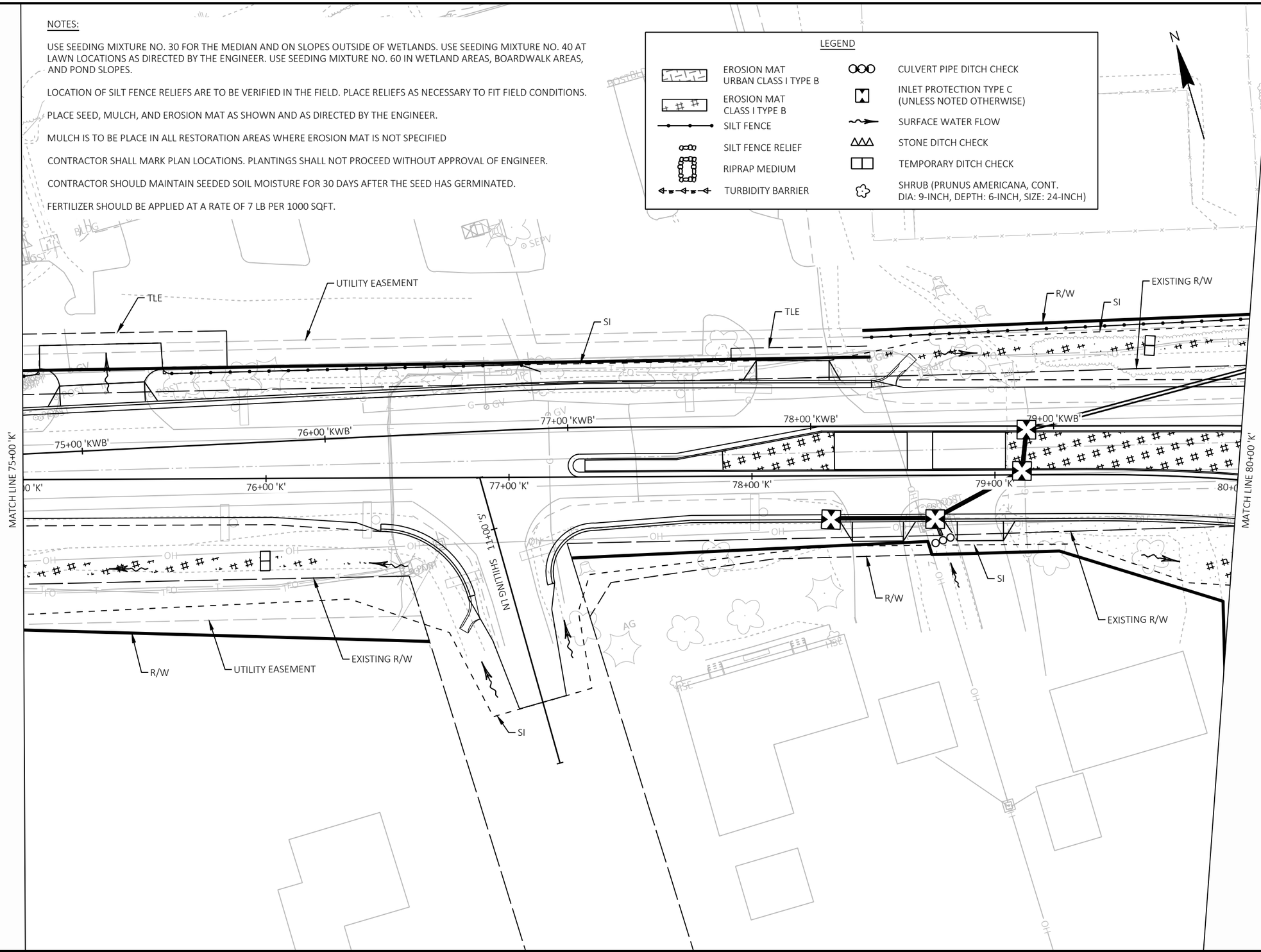
CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)



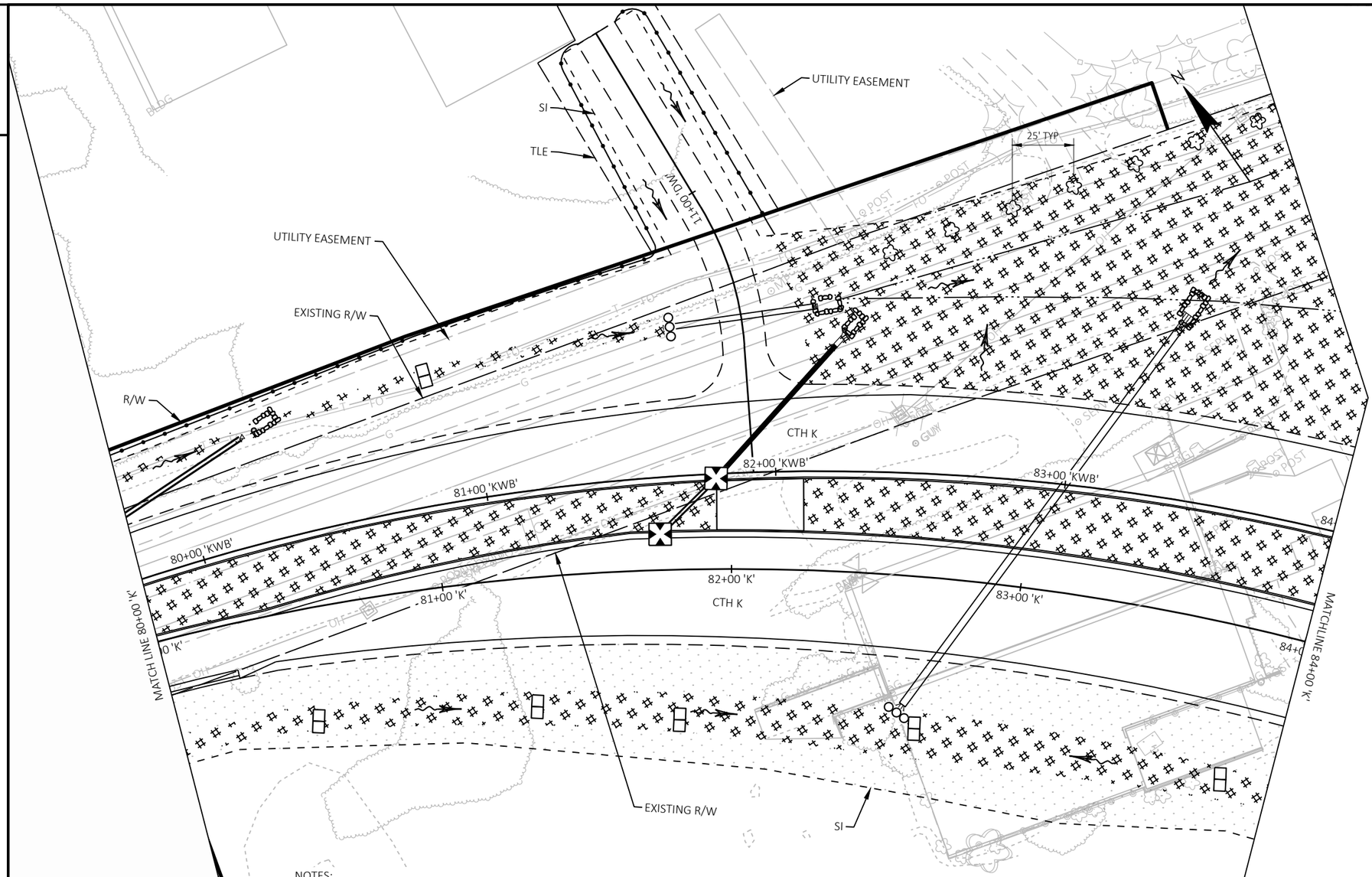
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH K	SHEET 131	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 32

PLOT DATE : 4/12/2023 4:30 PM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH K	SHEET 132	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 33
PLOT DATE : 4/12/2023 4:31 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

N

SI

EXISTING R/W

EX CTH K

CTH K FLOOD PLAIN STORAGE

MATCHLINE 84+00 'K'

84+00 'K'

85+00 'KWB'

85+00 'WP'

85+00 'KWB'

85+00 'K'

86+00 'WP'

86+00 'KWB'

87+00 'WP'

88+00 'WP'

309+00 'WB'

309+00 'EB'

308+00 'WB'

308+00 'EB'

CTH K

CTH M

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CTH K	SHEET 133	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 34

PLOT DATE : 4/12/2023 4:31 PM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

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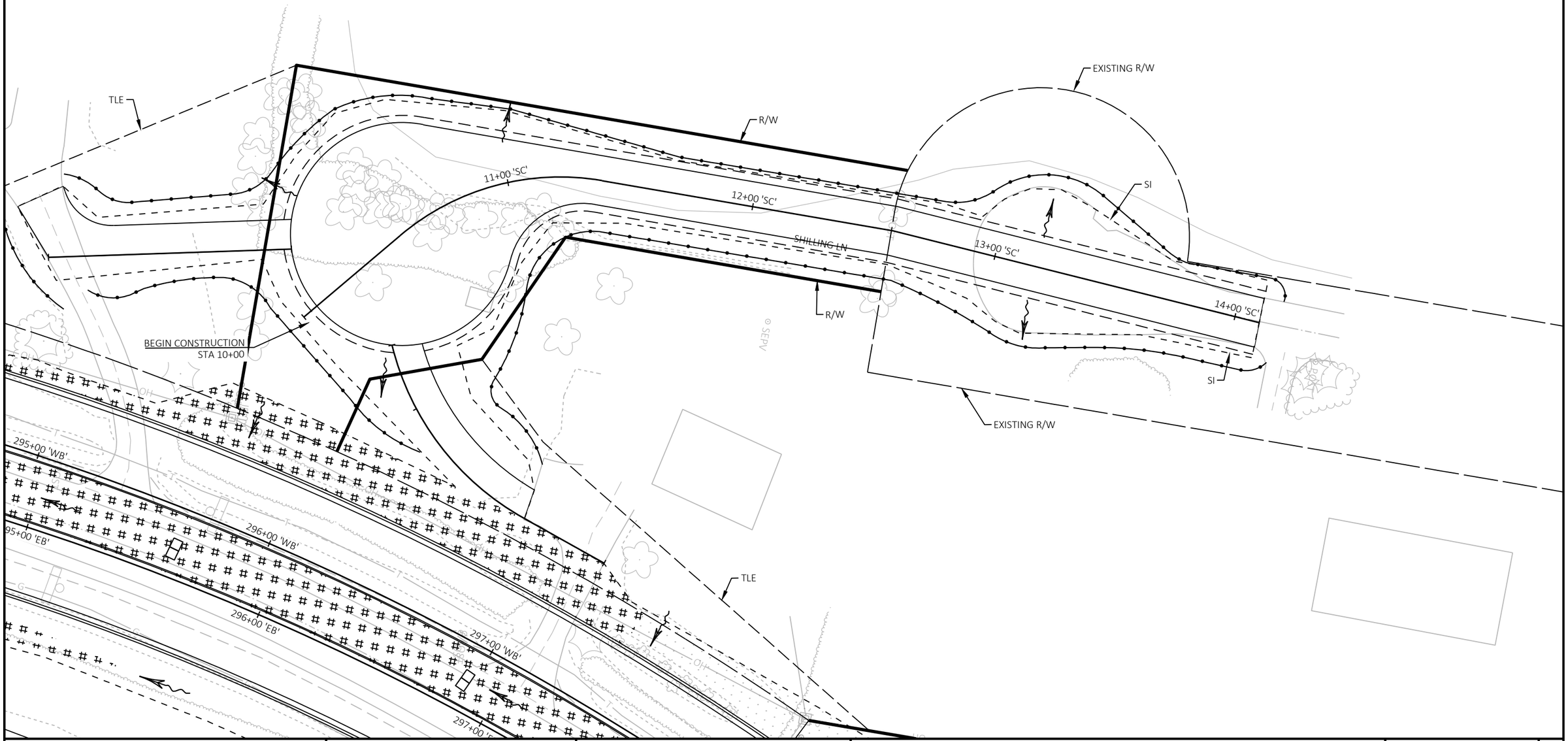
CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

N



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - SHILLING CUL-DE-SAC	SHEET 134	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 35
PLOT DATE : 4/12/2023 4:32 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

EROSION MAT URBAN CLASS I TYPE B	CULVERT PIPE DITCH CHECK
EROSION MAT CLASS I TYPE B	INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
SILT FENCE	SURFACE WATER FLOW
SILT FENCE RELIEF	STONE DITCH CHECK
RIPRAP MEDIUM	TEMPORARY DITCH CHECK
TURBIDITY BARRIER	SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

N

BEGIN CONSTRUCTION
STA 10+00

EXISTING R/W

R/W

11+00 'NS'

12+00 'NS'

13+00 'NSB'
13+00 'NS'
N SHORE BAY DR

14+00 'NSB'

14+00 'NS'

15+00 'NSB'

15+00 'NS'

16+00 'NSB'

16+00 'NS'

CORNER CT

14+00 'CC

MATCHLINE 16+40 'NSB'

TLE

11+00 'SP1'

12+00 'SP1'

EX N SHORE BAY DR

13+00 'SP1'

SI

EXISTING R/W

EXISTING R/W

NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

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CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

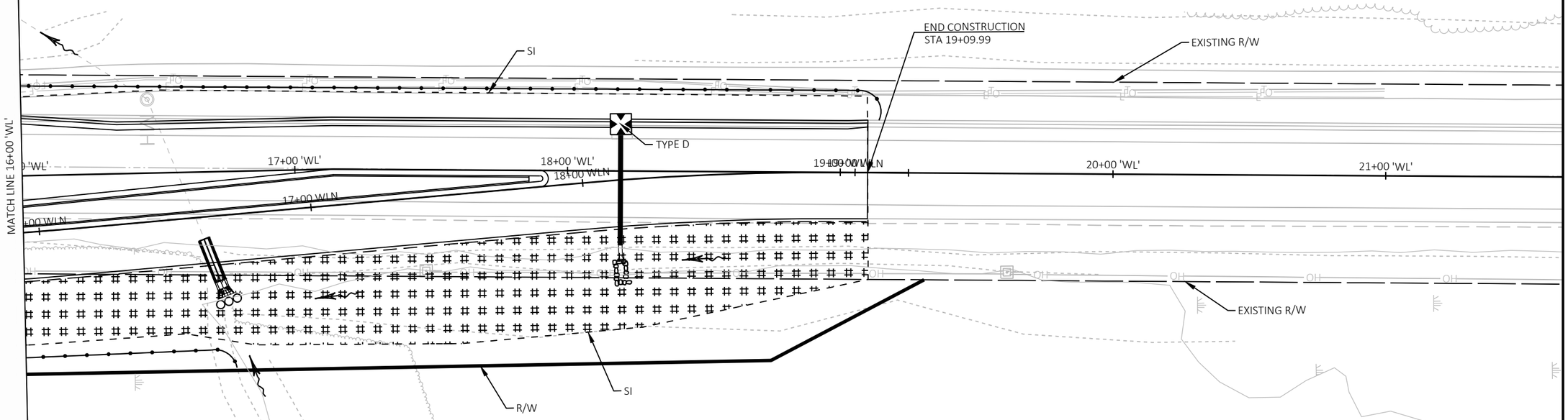
CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - NORTH SHORE BAY DR	SHEET 135	E

2

N



NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

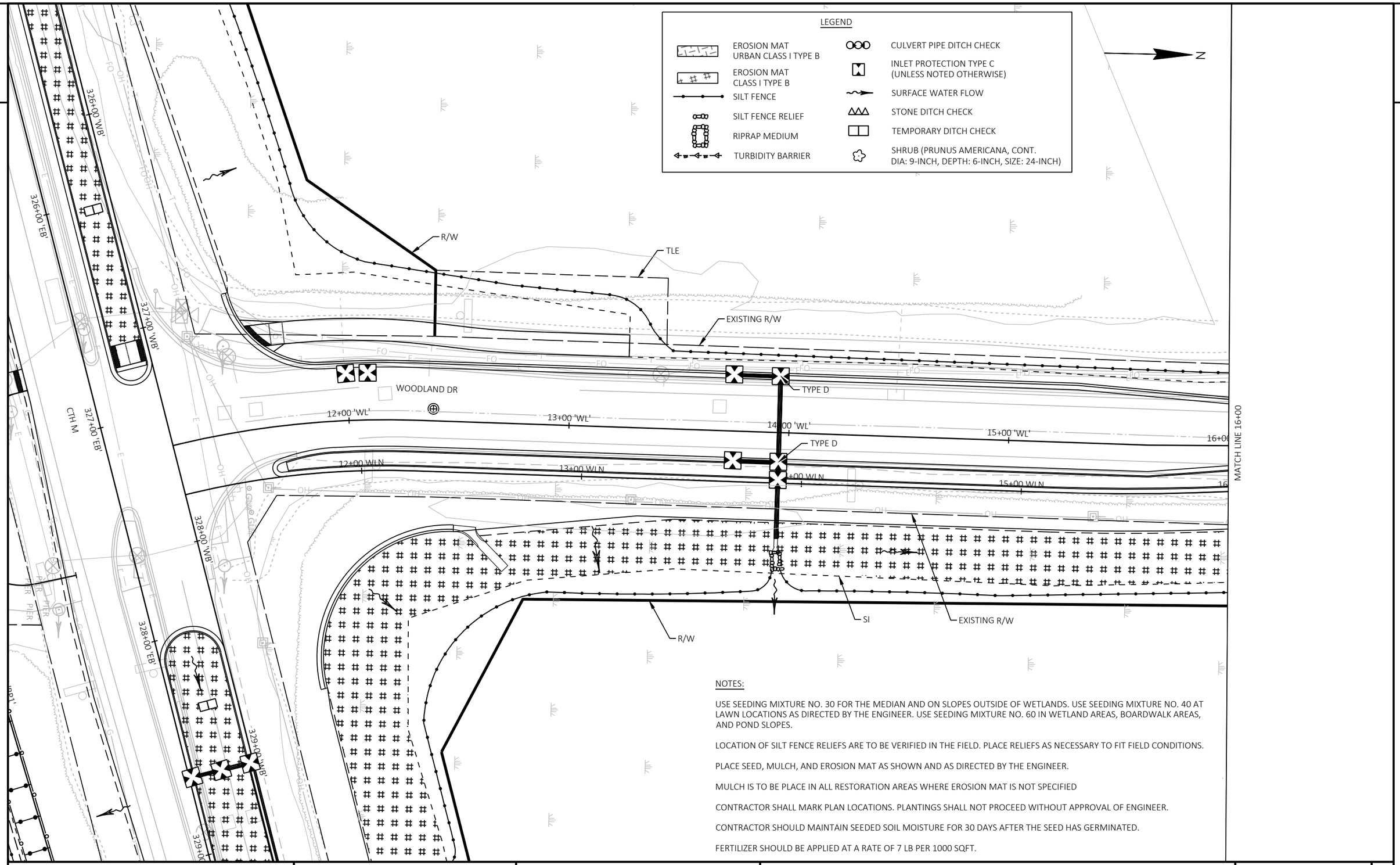
FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - WOODLAND DR	SHEET 136	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 38
PLOT DATE : 4/12/2023 4:33 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

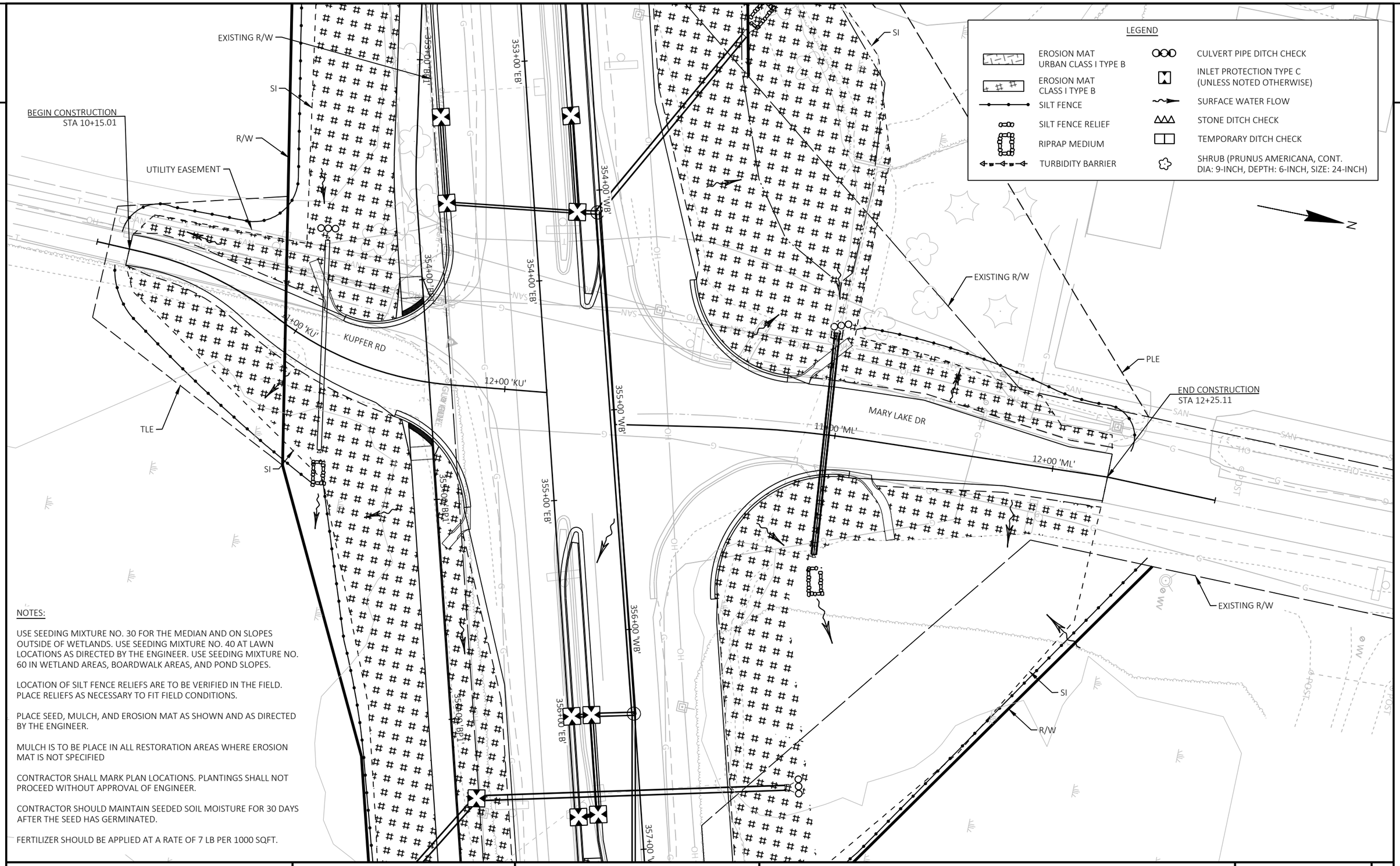
CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - WOODLAND DR	SHEET 137	E

2



NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

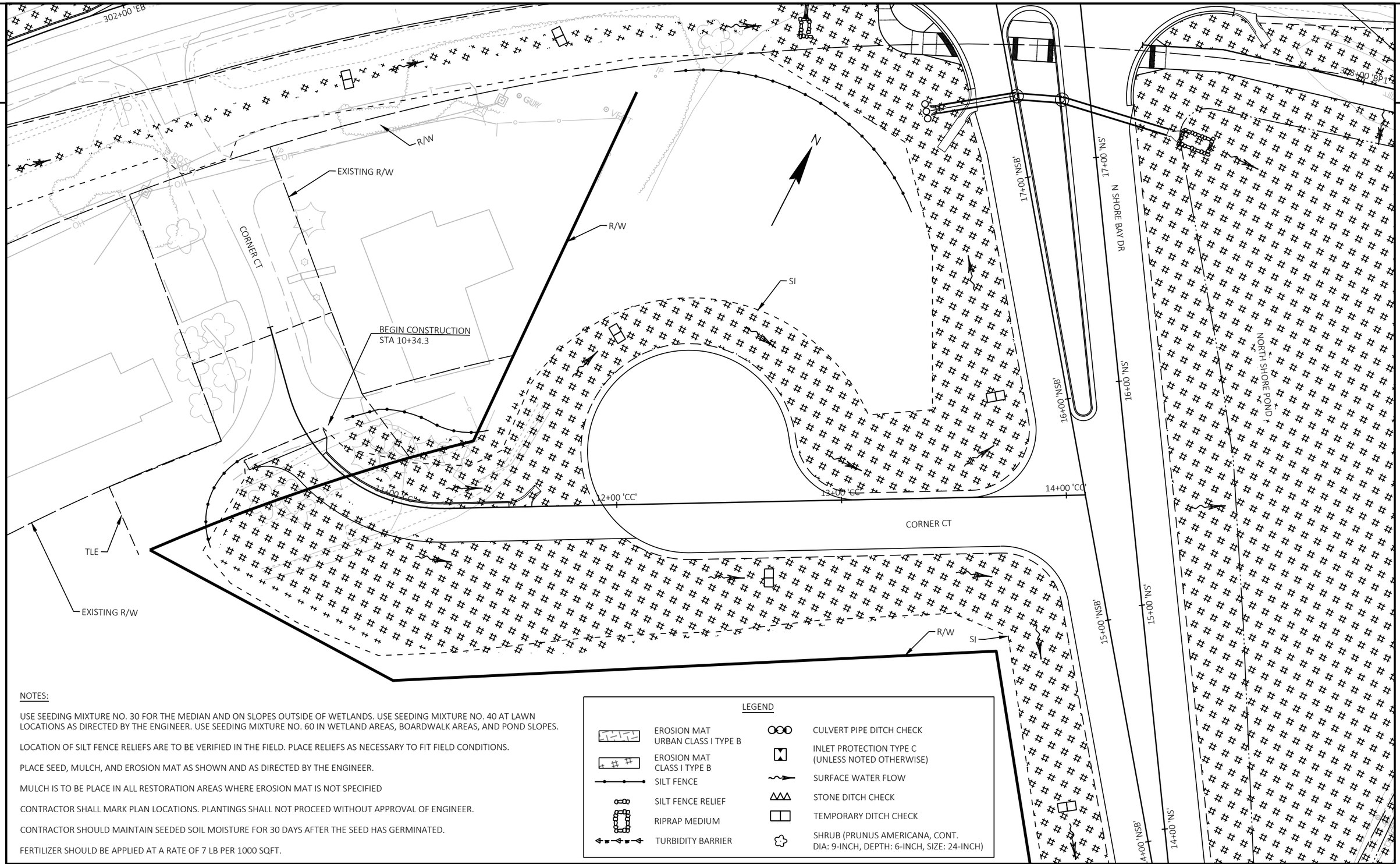
CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - MARY LAKE DR	SHEET 138	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 40
PLOT DATE : 4/12/2023 4:34 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- SILT FENCE RELIEF
- RIPRAP MEDIUM
- TURBIDITY BARRIER
- CULVERT PIPE DITCH CHECK
- INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
- SURFACE WATER FLOW
- STONE DITCH CHECK
- TEMPORARY DITCH CHECK
- SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

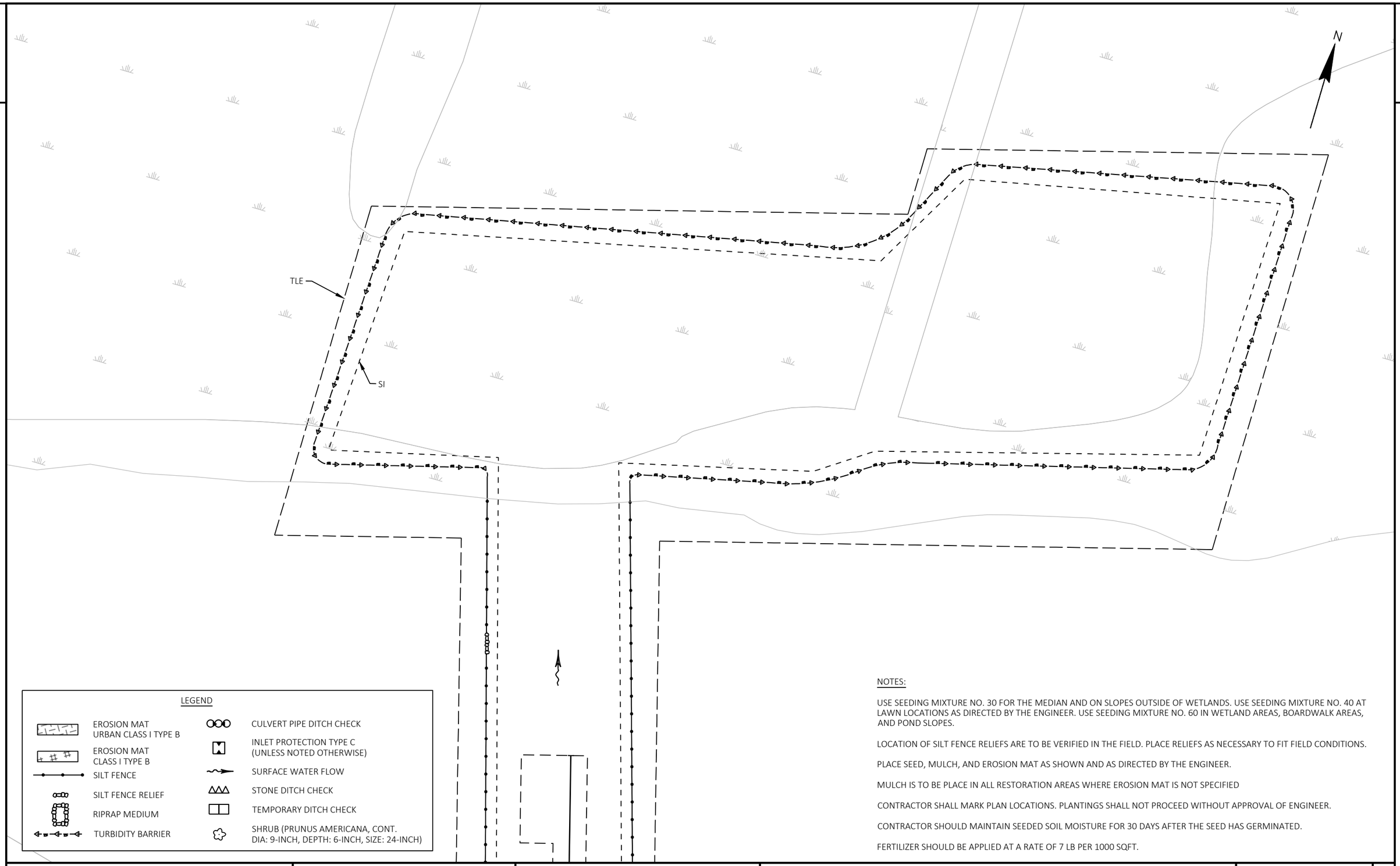
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - CORNER CT	SHEET 139 E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 41

PLOT DATE : 4/12/2023 4:35 PM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : Custom

WISDOT/CADDS SHEET 42

2



LEGEND

EROSION MAT URBAN CLASS I TYPE B	CULVERT PIPE DITCH CHECK
EROSION MAT CLASS I TYPE B	INLET PROTECTION TYPE C (UNLESS NOTED OTHERWISE)
SILT FENCE	SURFACE WATER FLOW
SILT FENCE RELIEF	STONE DITCH CHECK
RIPRAP MEDIUM	TEMPORARY DITCH CHECK
TURBIDITY BARRIER	SHRUB (PRUNUS AMERICANA, CONT. DIA: 9-INCH, DEPTH: 6-INCH, SIZE: 24-INCH)

NOTES:

USE SEEDING MIXTURE NO. 30 FOR THE MEDIAN AND ON SLOPES OUTSIDE OF WETLANDS. USE SEEDING MIXTURE NO. 40 AT LAWN LOCATIONS AS DIRECTED BY THE ENGINEER. USE SEEDING MIXTURE NO. 60 IN WETLAND AREAS, BOARDWALK AREAS, AND POND SLOPES.

LOCATION OF SILT FENCE RELIEFS ARE TO BE VERIFIED IN THE FIELD. PLACE RELIEFS AS NECESSARY TO FIT FIELD CONDITIONS.

PLACE SEED, MULCH, AND EROSION MAT AS SHOWN AND AS DIRECTED BY THE ENGINEER.

MULCH IS TO BE PLACE IN ALL RESTORATION AREAS WHERE EROSION MAT IS NOT SPECIFIED

CONTRACTOR SHALL MARK PLAN LOCATIONS. PLANTINGS SHALL NOT PROCEED WITHOUT APPROVAL OF ENGINEER.

CONTRACTOR SHOULD MAINTAIN SEEDED SOIL MOISTURE FOR 30 DAYS AFTER THE SEED HAS GERMINATED.

FERTILIZER SHOULD BE APPLIED AT A RATE OF 7 LB PER 1000 SQFT.

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EROSION CONTROL - WETLAND MITIGATION SITE	SHEET 140	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\022001-EC.DWG
LAYOUT NAME - 42
PLOT DATE : 4/12/2023 4:35 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

274 STA 274+24CTH M WB, 19.5' RT
INLETS 4-H

272 STA 273+09EB, 1.5' LT
INLETS 4-H

272.1 STA 273+02EB, 39.1' RT
AEW FOR CPRC 18-INCH

278 STA 278+37CTH M WB, 49.1' LT
AEW FOR CPRC 24-INCH

278.1 STA 278+10CTH M WB, 1.5' RT
INLETS 4-H-S

278.3 STA 277+75CTH M WB, 1.5' RT
INLETS 2x3-H-S

278.2 STA 278+00EB, 15.5' LT
INLETS MEDIAN 2G-MS

278.4 STA 278+11EB, 1.5' LT
INLETS 2x3-H-S

278.5 STA 278+46EB, 1.5' LT
INLETS 2x3-H-S

PIPE UNDERDRAIN (TYP.)

CTH M WB

CTH M EB

272WB 274WB 276WB 278WB 280WB 282WB 284WB 286WB

272EB 274EB 276EB 278EB 280EB 282EB 284EB 286EB

282 STA 282+00CTH M WB, 1.5' RT
INLET SPECIAL
SEE CONSTRUCTION DETAIL

281 STA 281+50EB, 1.5' LT
INLET SPECIAL
SEE CONSTRUCTION DETAIL

285.3 STA 285+00CTH M WB, 1.5' RT
INLETS 2x3-H

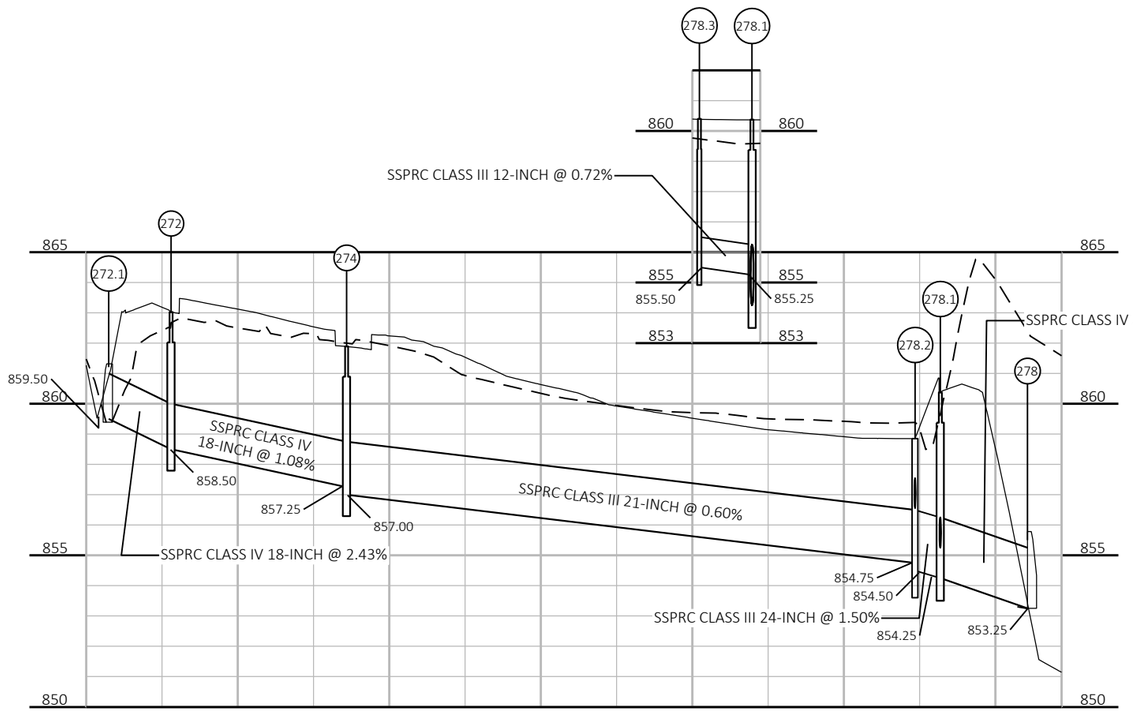
STA 284+99EB, 1.4' LT
INLETS 2x3-H

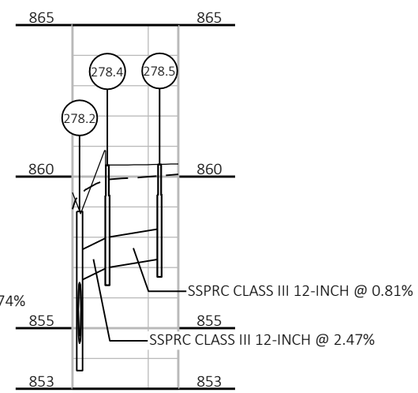
285.1

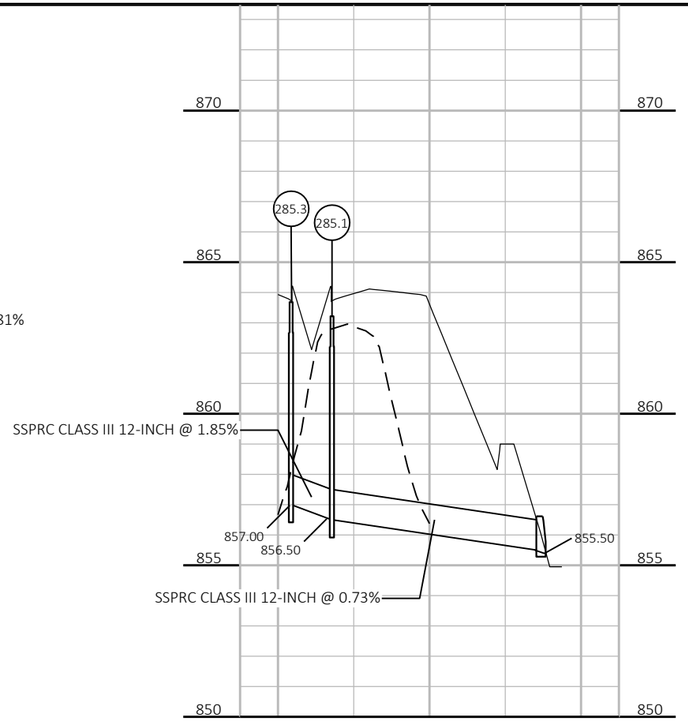
285 STA 286+17EB, 67.2' RT
AEW FOR CPRC 12-INCH

DORN CREEK POND

MATCH SHEET 2
STA 87+00EB







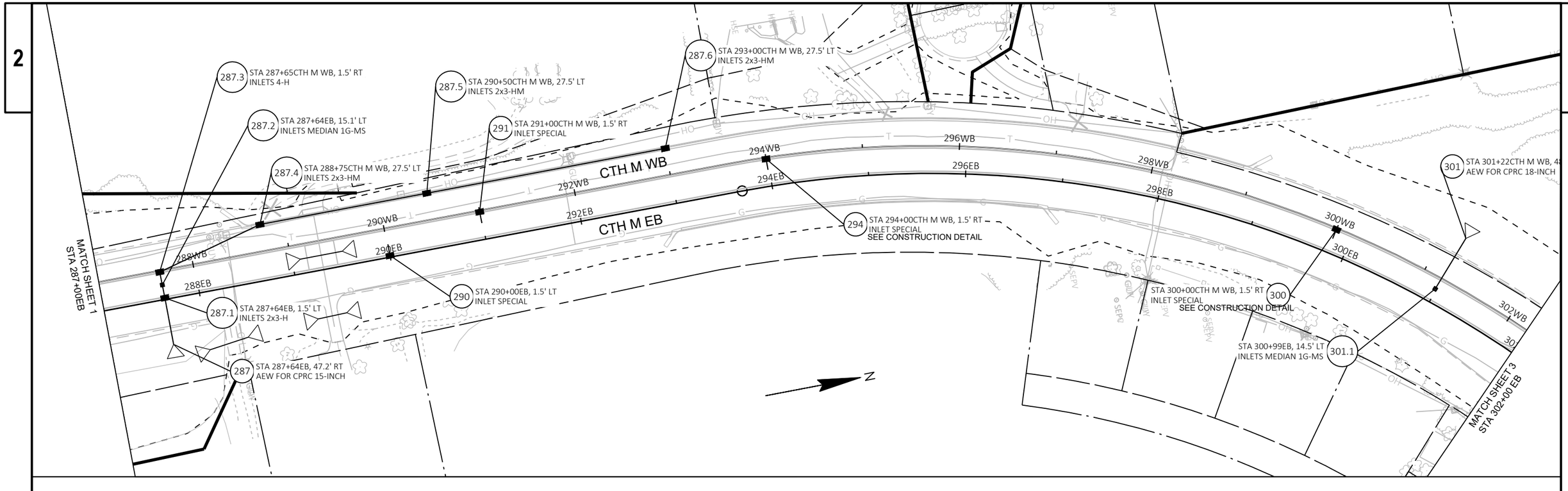
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	STORM SEWER :CTH M	[1 OF 11]	SHEET 141	E

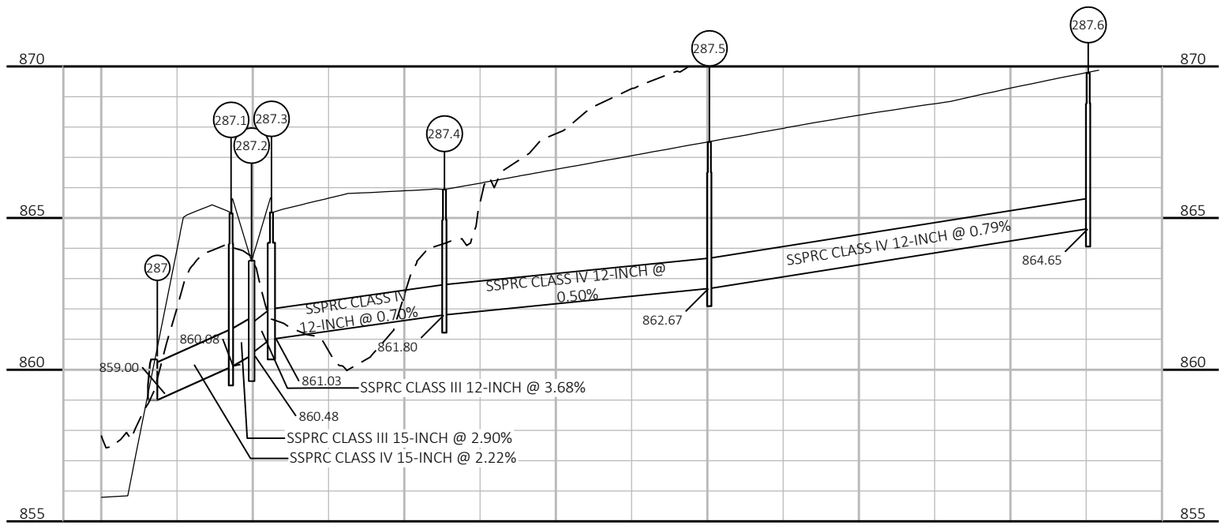
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - SS01

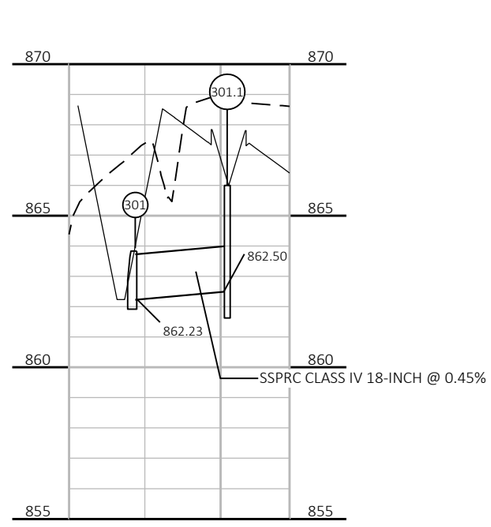
PLOT DATE : 3/24/2023 4:24 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 41

2







PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	STORM SEWER :CTH M [2 OF 11]	SHEET 142	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - SS02

PLOT DATE : 3/24/2023 4:26 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

STA 302+94EB, 73.6' LT
AEW FOR CPRC 12-INCH
303

STA 304+66EB, 84.3' LT
AEW FOR CPRC 12-INCH
305.1

STA 305+00CTH M WB, 1.5' RT
INLETS 2x3-H
305.2

MATCH SHEET 4
CTH K STORMSEWER

306WB

CTH M WB

STA 308+75EB, 1.5' LT
INLETS 4-H
308WB
309.1

309.2
STA 309+53CTH M WB, 17.5' RT
INLETS 4-H

312
STA 312+73CTH M WB, 46.9' LT
AEW FOR CPRC 18-INCH

STA 315+52CTH M WB, 56.3' LT
APRON ENDWALLS FOR CPRC 12-INCH
315.0

303.2
STA 303+20CTH M WB, 1.5' RT
INLETS 4-H

306EB

304EB

SN8L

CTH M EB

310WB

STA 312+30CTH M WB, 1.5' RT
INLETS 2x3-H-S
312.3

310EB

312WB

312EB

PIPE UNDERDRAIN

314WB

314EB

315.1
STA 315+52CTH M WB, 1.5' RT
INLETS 2x3-H

316WB

316EB

STA 305+35CTH M WB, 1.5' RT
INLETS 2x3-H
305.7

LEB

MATCH SHEET 2
STA 302+00EB

STA 305+15EB, 19.5' LT
INLETS 4-H
305.6

309
STA 308+75EB, 38.8' RT
AEW FOR CPRC 12-INCH

15NSB

STA 311+95EB, 1.5' LT
INLETS 2x2-B
312.4

STA 305+08EB, 50.2' RT
AEW FOR CP 12-INCH
305.5

17
STA 17+08NS, 32.9' RT
AEW FOR CP 30-INCH

17.1
STA 17+27NS, 12.5' LT
MANHOLES 5-H-S

312.1
STA 312+75CTH M WB, 1.5' RT
INLETS 4-H

315.2
STA 315+13EB, 1.5' LT
INLETS 2x3-H

303.1
STA 302+95EB, 16.5' LT
INLETS 4-H

17.2
STA 17+31NS, 32.4' LT
MANHOLES 5-H-S

NORTH SHORE DRIVE

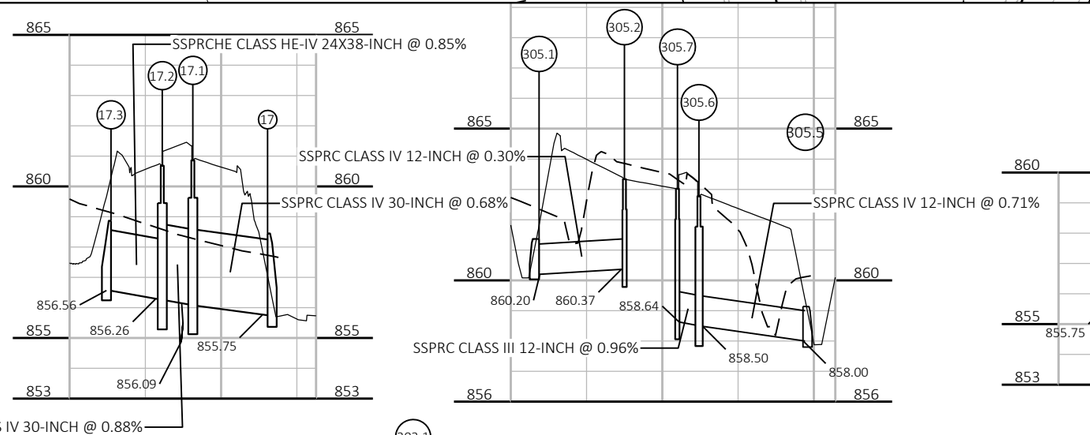
NORTH SHORE
POND

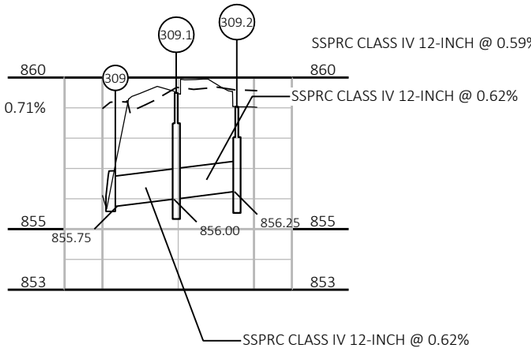
STA 17+28NS, 67.0' LT
AEW FOR CPRCHE 24x38-INCH
17.3

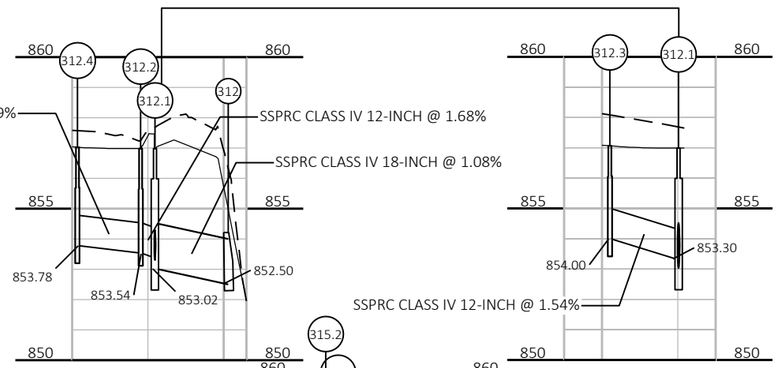
SN9L

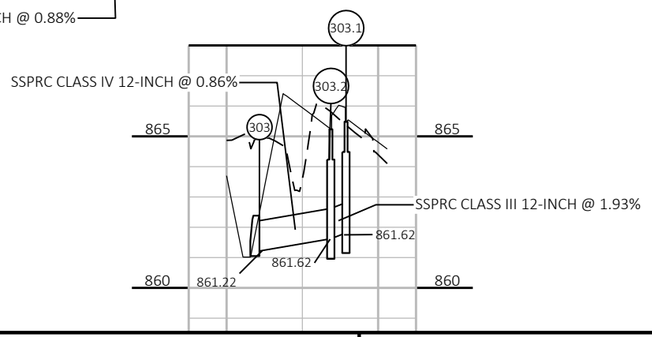
312.2
STA 312+37EB, 1.5' LT
INLETS 2x2-B

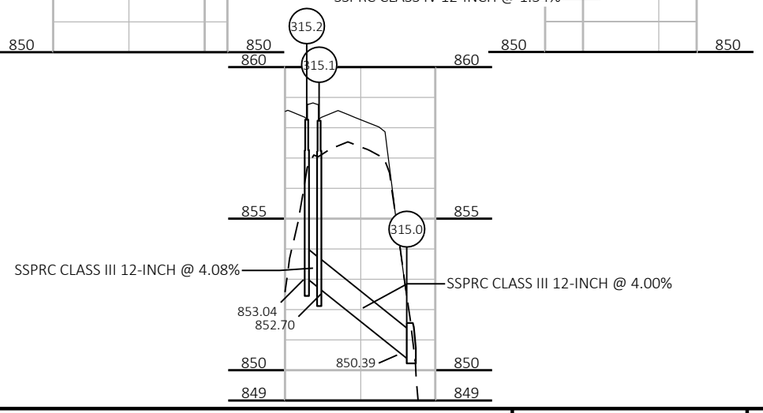
MATCH SHEET 5
STA 317+00EB





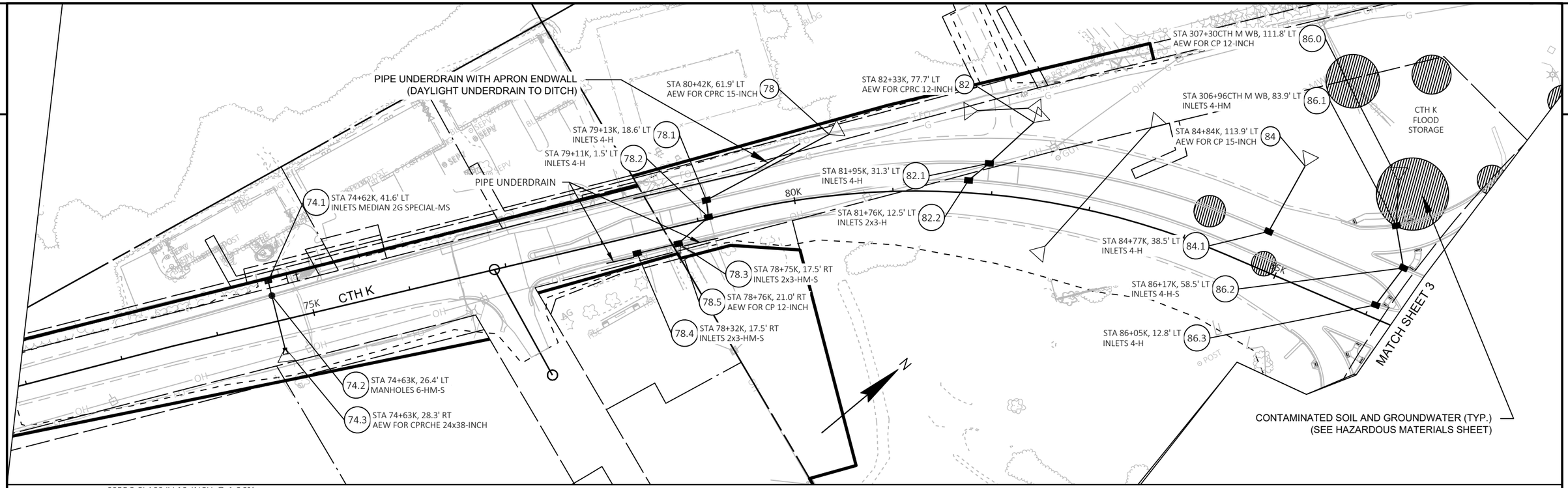


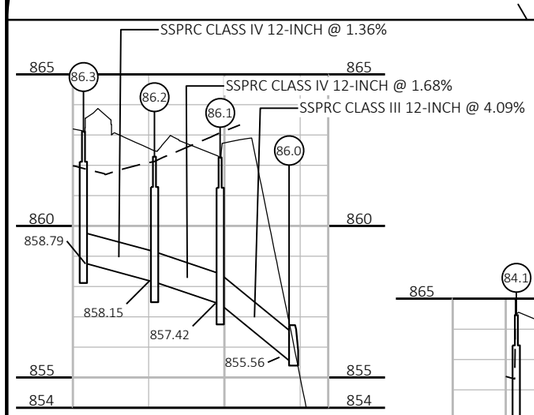


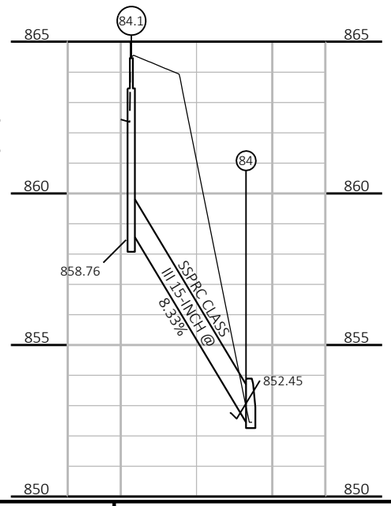


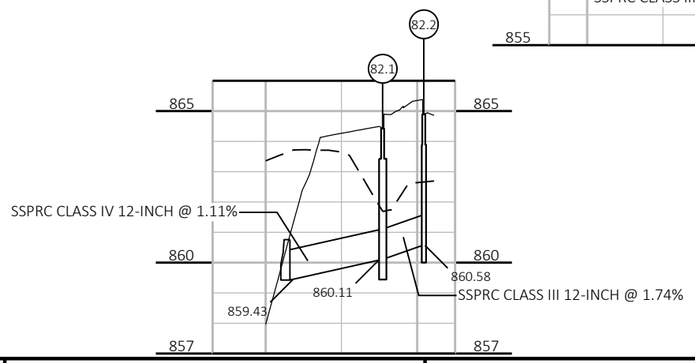
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	STORM SEWER STORM SEWER [3 OF 11]	SHEET 143	E

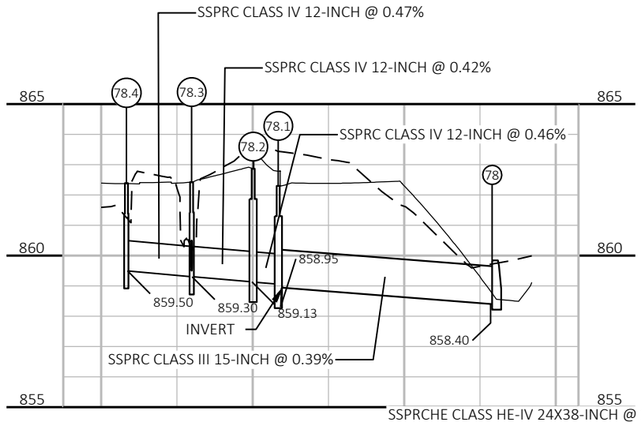
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - SS03
PLOT DATE : 3/24/2023 4:28 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 41

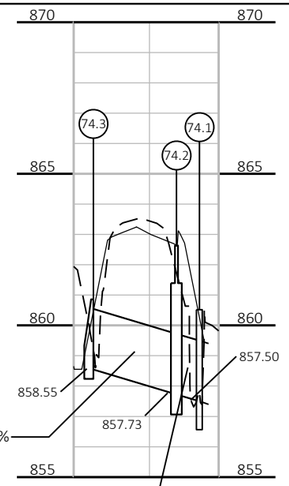












PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	STORM SEWER :CTH K [4 OF 11]	SHEET 144	E

2

N

WOODLAND DRIVE

MATCH SHEET 6

12WD

NOTE:
GAP OR CUT GEOGRID AT STORM SEWER LOCATION

MATCH SHEET 3
NO STORMSEWER
STA 317+00EB TO STA 319+00EB

MATCH SHEET 7
STA 333+00EB

CTH M WB

CTH M EB

320WB

320EB

322WB

322EB

324WB

324EB

326WB

326EB

328WB

328EB

330WB

330EB

332WB

332EB

320 STA 320+30CTH M WB, 38.2' LT
AEW FOR CPRC 12-INCH

321 STA 321+26CTH M WB, 37.2' LT
AEW FOR CPRC 12-INCH

PIPE UNDERDRAIN (TYP.)

323 STA 323+47CTH M WB, 44.0' LT
AEW FOR CPRC 12-INCH

321.2 STA 321+06EB, 1.5' LT
INLETS 2x3-H-S

321.1 STA 321+25CTH M WB, 11.3' RT
INLETS 4-H-S

323.1 STA 323+49CTH M WB, 1.5' RT
INLETS 2x3-H

320.1 STA 320+30CTH M WB, 1.5' RT
INLETS 2x3-H

323.2 STA 323+11EB, 12.5' LT
INLETS 2x3-H

320.2 STA 319+84EB, 1.5' LT
INLETS 2x3-H

STA 329+04CTH M WB, 1.5' RT
INLETS 2x3-H-S

329.1

STA 329+03CTH M WB, 15.0' RT
INLETS MEDIAN 1G-MS

329.2

STA 328+64EB, 1.5' LT
INLETS 2x3-H-S

329.3

330.3 STA 329+74CTH M WB, 53.4' LT
AEW FOR CPRC 30-INCH

31W STA 331+35WB, 1.5' RT
INLET SPECIAL

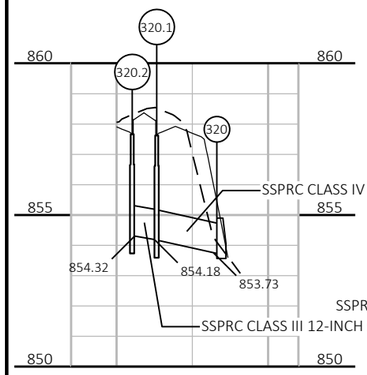
330.2 STA 329+72CTH M WB, 1.5' RT
MANHOLES 6-H-S

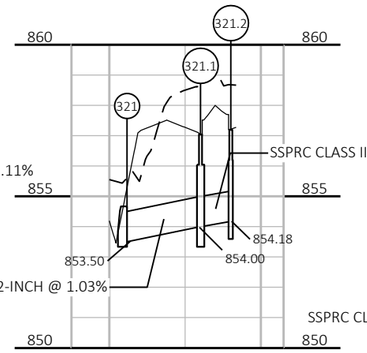
330.1 STA 329+33EB, 1.5' LT
INLETS 4-H-S

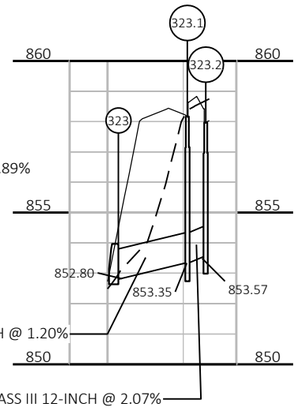
330.0 STA 329+35EB, 40.3' RT
AEW FOR CPRC 24-INCH

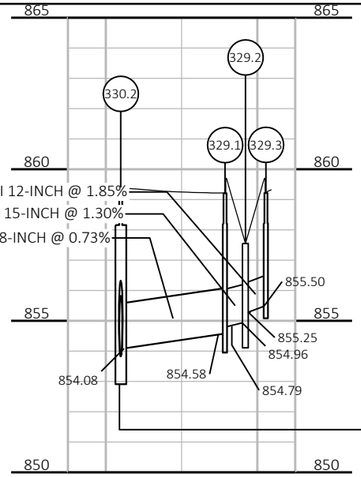
331 STA 331+35EB, 1.5' LT
INLET SPECIAL

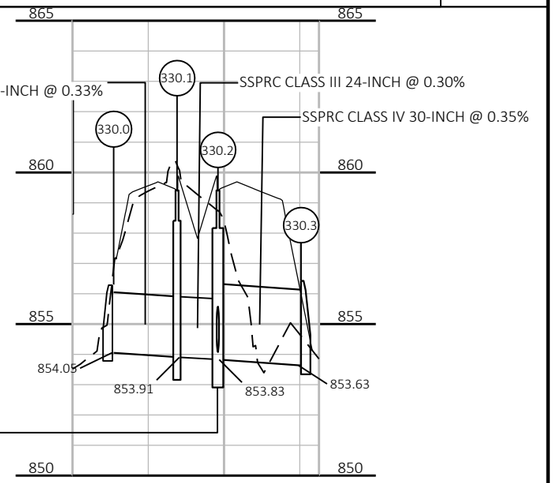
PIPE UNDERDRAIN (TYP.)





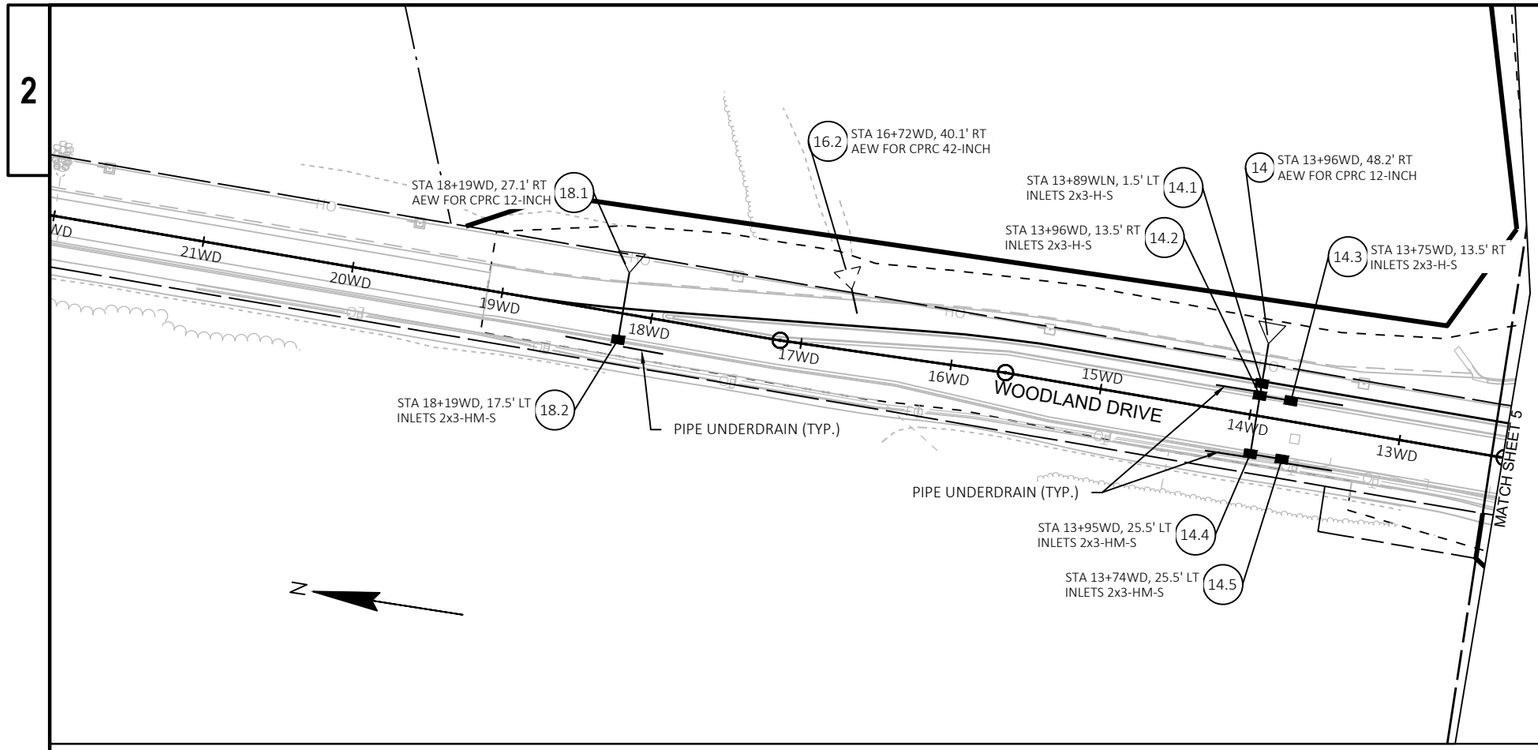


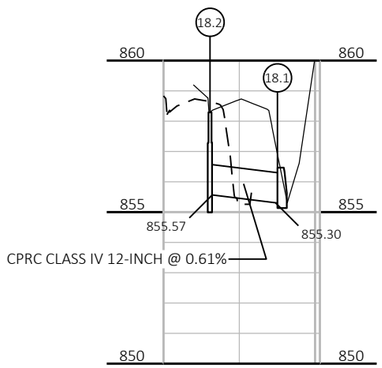


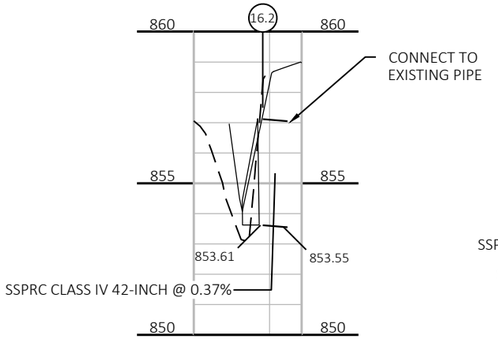


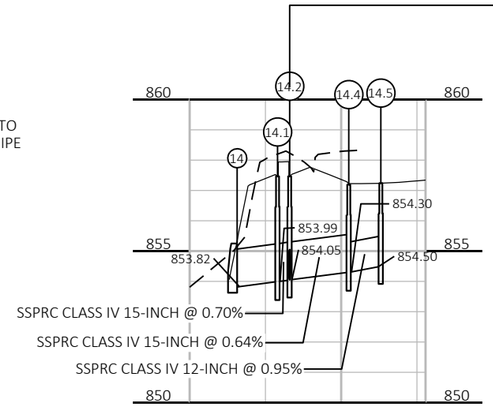
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	STORM SEWER :CTH M [5 OF 11]	SHEET 145	E

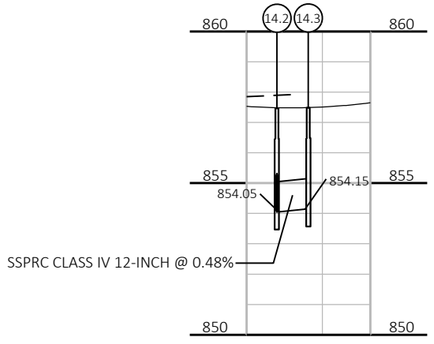
2





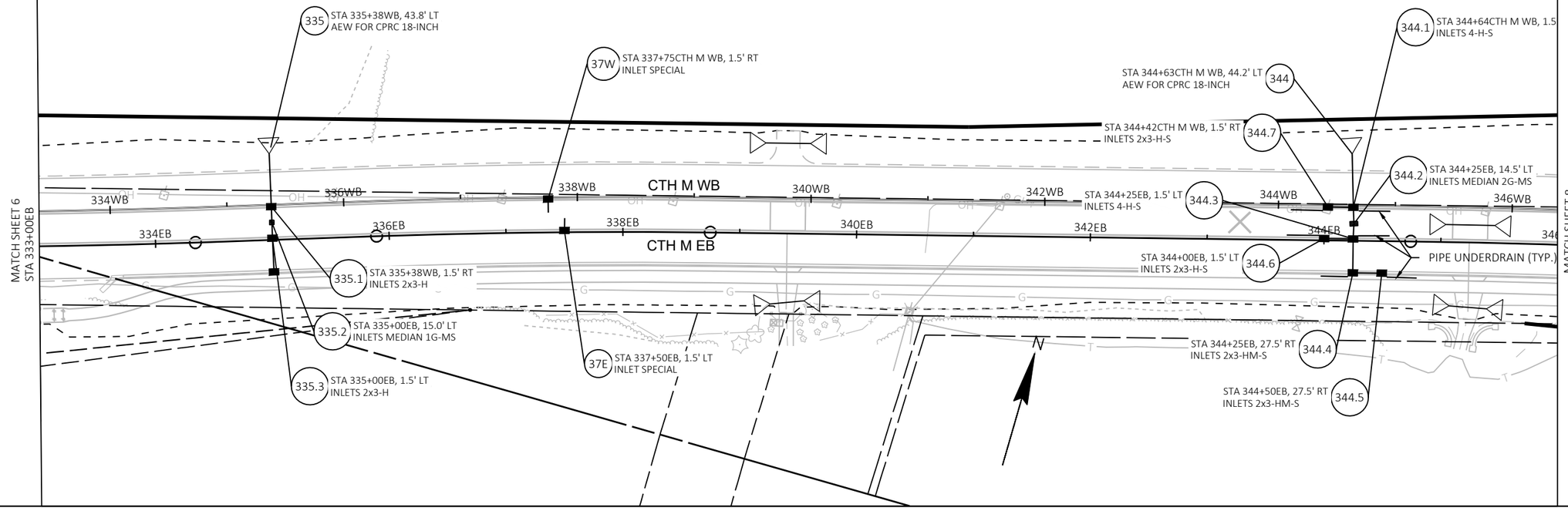


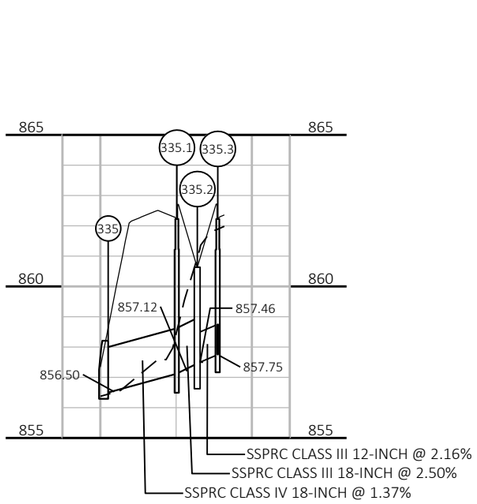


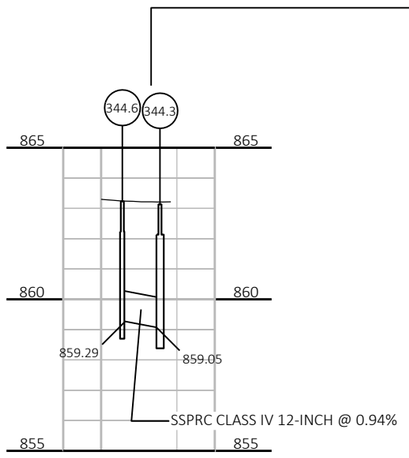


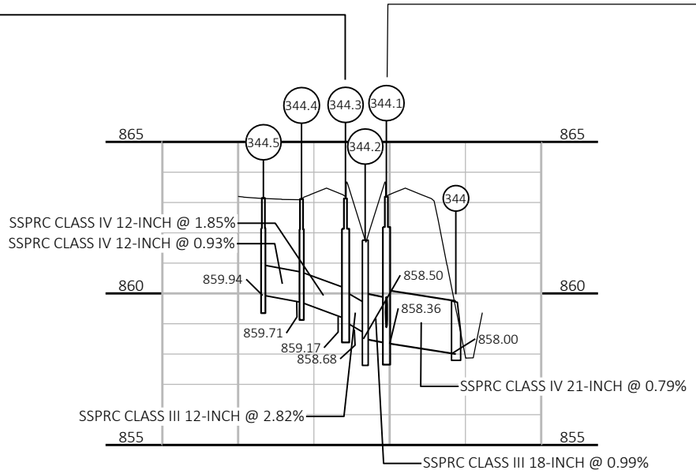
PROJECT NO:	HWY: CTH M	COUNTY: DANE	STORM SEWER : WOODLAND DRIVE [6 OF 11]	SHEET 146	E

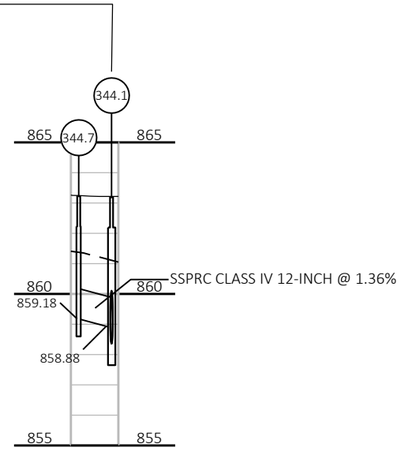
2











PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	STORM SEWER :CTH M [7 OF 11]	SHEET 147	E

2

STA 10+95ML
POND OUTLET

MARY LAKE RD

N

SEE
SHEET 9

MATCH SHEET 7
STA 346+00EB - STA 350+00EB
NO STORMSEWER
BETWEEN MATCH LINES

MATCH SHEET 10
STA 364+00 EB

CTH M WB

CTH M EB

PIPE UNDERDRAIN (TYP.)

12KU

352 — STA 352+95EB, 100.4' LT
AEW FOR CPRC 24-INCH

353.2 — STA 353+26EB, 19.5' LT
INLETS 2x3-H

353.1 — STA 353+70EB, 19.5' LT
INLETS 4-H

353.4 — STA 353+23EB, 39.5' RT
INLETS 2x3-HM

353.3 — STA 353+62EB, 39.5' RT
INLETS 2x3-HM

352.1 — STA 353+71EB, 28.5' LT
MANHOLES 5-H

356.0 — STA 356+38CTH M WB, 0.4' RT
MANHOLES 5-J

356.3 — STA 356+38CTH M WB, 19.5' RT
INLETS 4-H-S

356.4 — STA 355+98EB, 1.5' LT
INLETS 2x3-H-S

356.1 — STA 356+83CTH M WB, 19.5' RT
INLETS 4-H-S

356.2 — STA 356+44EB, 1.5' LT
INLETS 2x3-H-S

356M — STA 356+33EB, 44.2' RT
INLETS MEDIAN 2G-MS

356O — STA 356+74EB, 86.1' RT
AEW FOR CP 24-INCH

356I — STA 356+76CTH M WB, 65.9' LT
AEW FOR CP 24-INCH

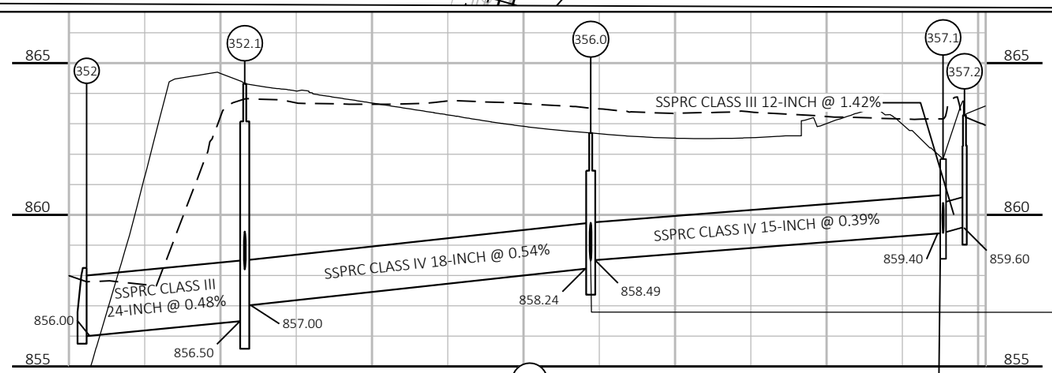
357.3 — STA 358+81CTH M WB, 1.5' RT
INLETS 2x3-H

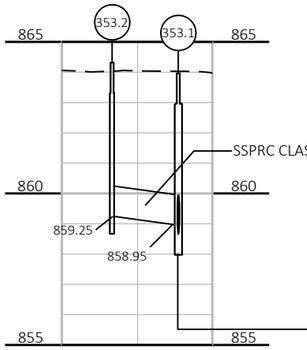
357.1 — STA 358+31EB, 14.0' LT
INLETS MEDIAN 2G-MS
SPECIAL, 6:1 SLOPE

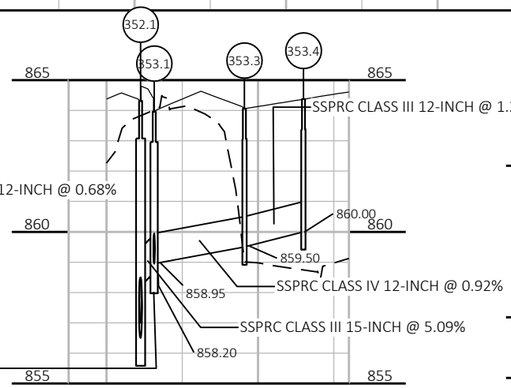
357.2 — STA 358+38EB, 1.5' LT
INLETS 2x3-H

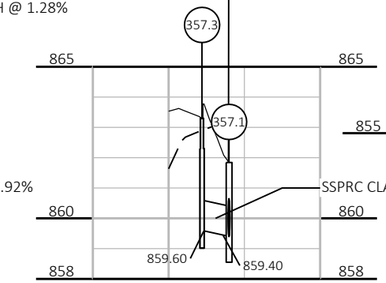
352WB 354WB 356WB 358WB 360WB 362WB 364WB

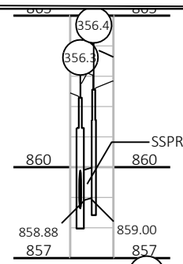
352EB 354EB 356EB 358EB 360EB 362EB

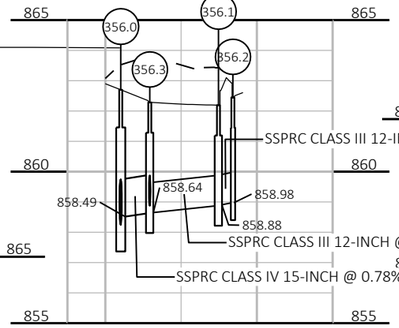


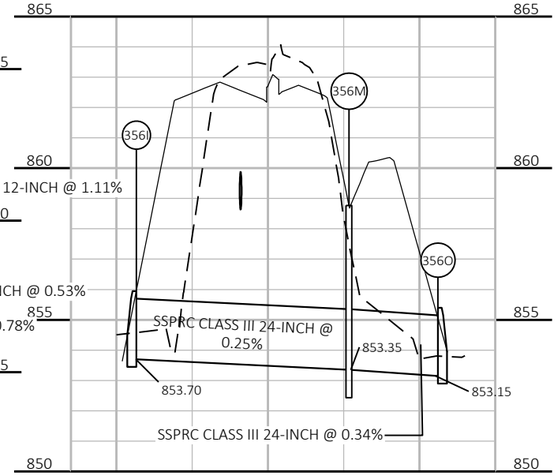




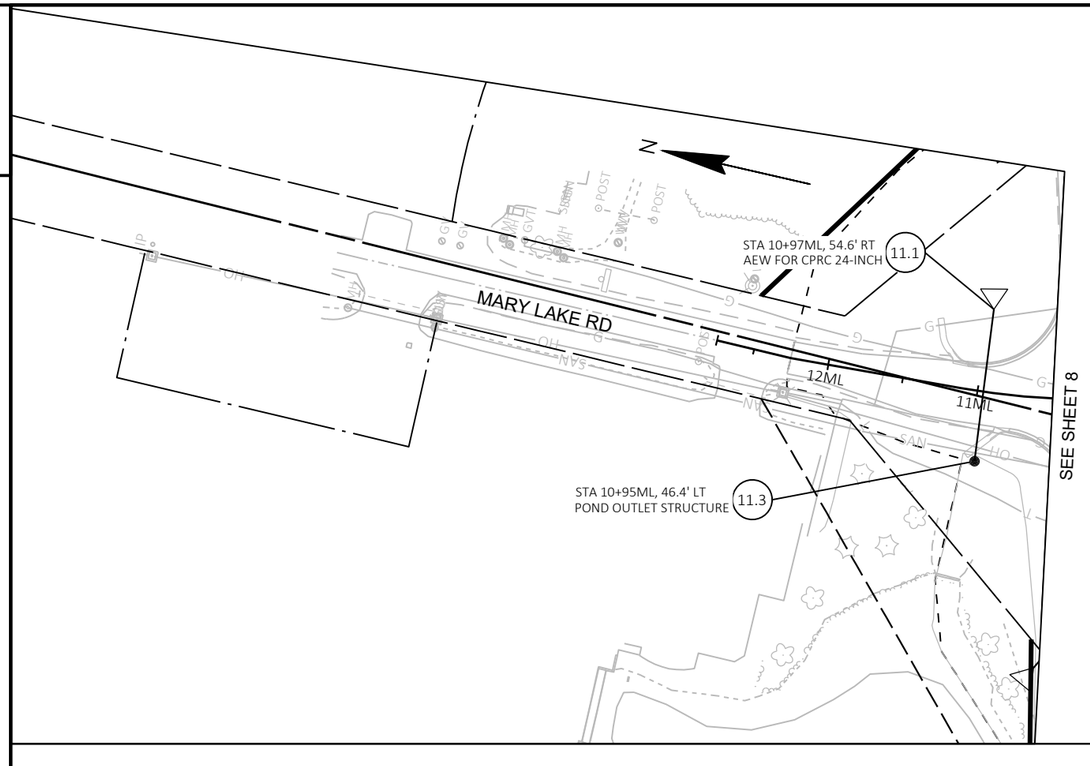


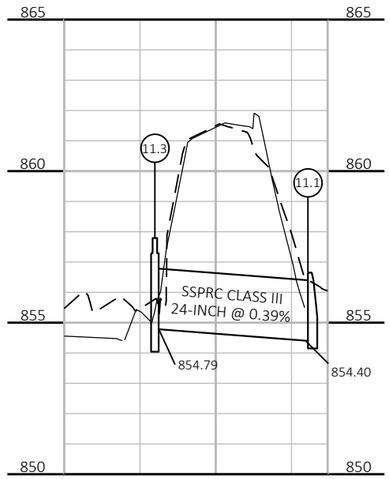






PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	STORM SEWER : CTH M [8 OF 11]	SHEET 148	E





PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	STORM SEWER : MARY LAKE [9 OF 11]	SHEET 149	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - SS09

PLOT DATE : 3/24/2023 4:40 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

MATCH SHEET 8
STA 364+00 EB

MATCH SHEET 11
STA 378+00 EB

STA 368+00CTH M WB, 1.5' RT
INLETS 2x3-H

367.1

364 STA 364+98CTH M WB, 54.9' LT
AEW FOR CPRC 18-INCH

364.1 STA 365+00CTH M WB, 1.5' RT
INLETS 4-H

364.2 STA 364+61EB, 15.0' LT
INLETS MEDIAN 1G-MS

364.3 STA 364+61EB, 1.5' LT
INLETS 2x3-H

STA 367+62EB, 1.5' LT
INLETS 2x3-H

367.2

65.1 STA 11+02WRW, 37.8' LT
AEW FOR CPRC 18-INCH

65.2 STA 10+50WRW, 58.4' RT
INLETS MEDIAN 2G-MS

65.3 STA 364+68EB, 92.5' RT
AEW FOR CP 18-INCH

371.3 STA 371+14CTH M WB, 1.5' RT
INLETS 2x3-H-S

371 STA 371+61CTH M WB, 47.4' LT
AEW FOR CPRC 12-INCH

371.2 STA 371+61CTH M WB, 1.5' RT
INLETS 2x3-H-S

PIPE UNDERDRAIN (TYP.)

371.5 STA 371+21EB, 1.5' LT
INLETS 2x3-H-S

371.4 STA 370+75EB, 1.5' LT
INLETS 2x3-H-S

366WB 368WB 370WB 372WB CTH M WB 374WB 376WB 378WB

366EB 368EB 370EB 372EB CTH M EB 374EB 376EB

WILLOW RD

STA 377+83CTH M WB, 55.9' LT
AEW FOR CPRC 12-INCH

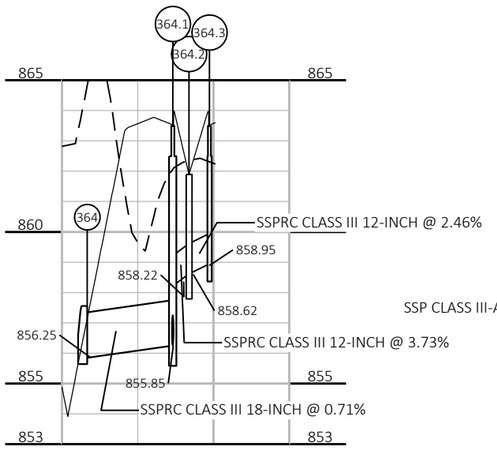
378 STA 377+85CTH M WB, 1.5' RT
INLETS 2x3-H

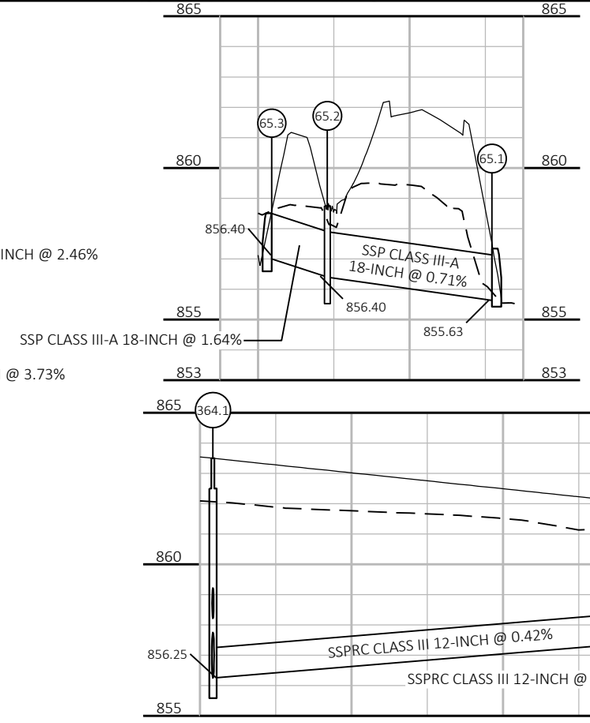
378.1

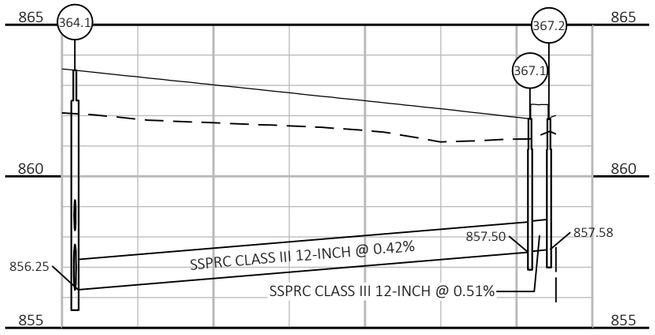
STA 377+45EB, 19.5' LT
INLETS 2x3-H

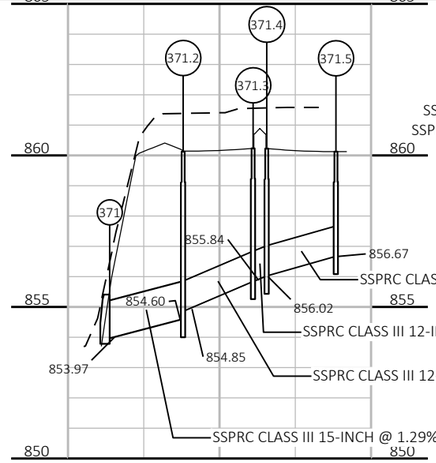
378.2

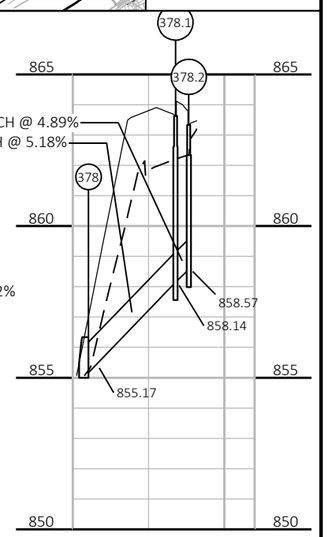
N











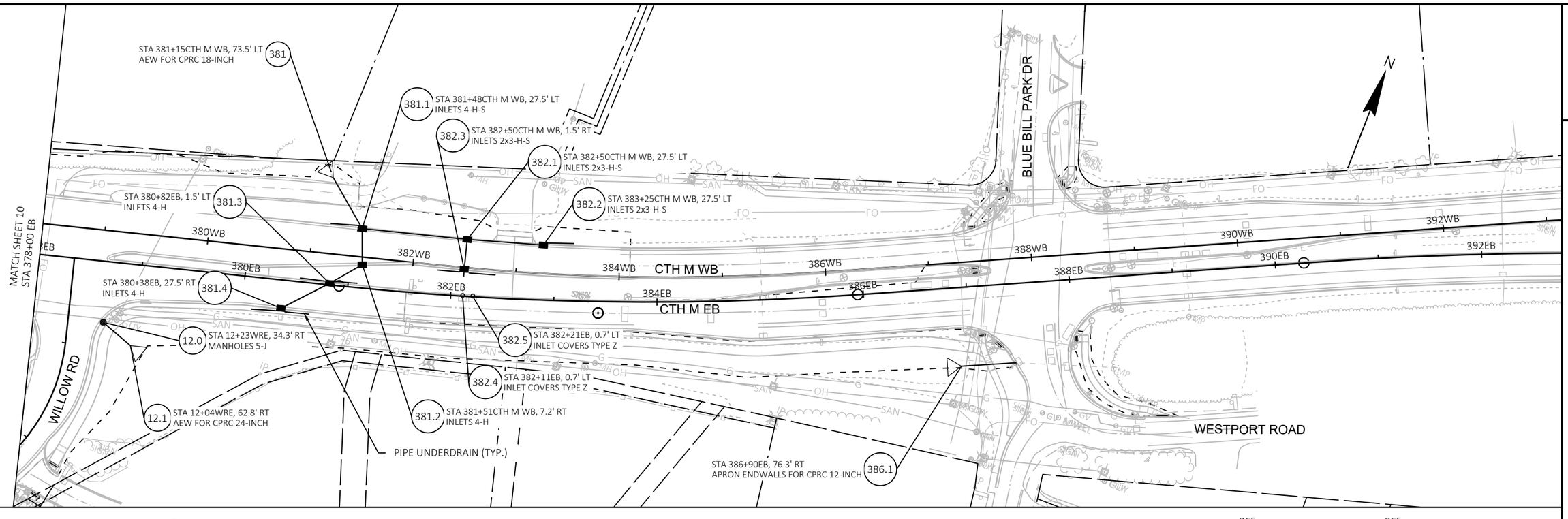
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	STORM SEWER :CTH M [10 OF 11]	SHEET 150	E

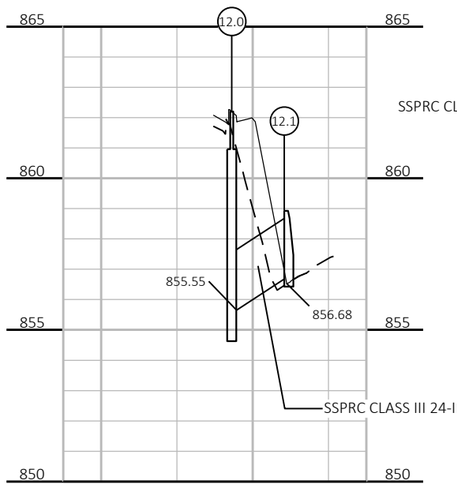
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - SS10

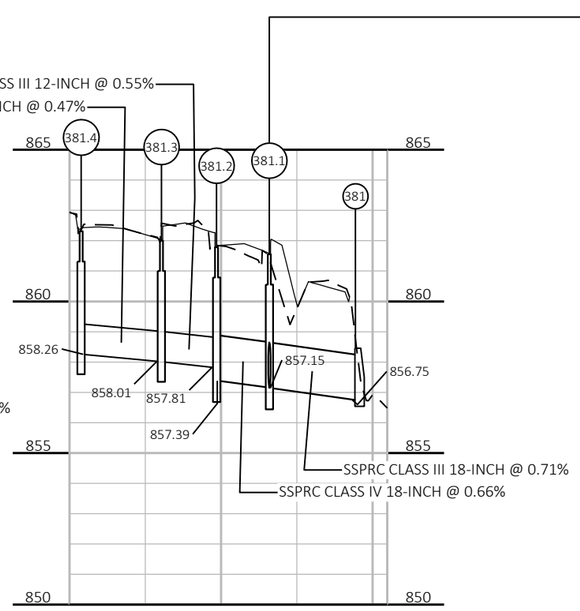
PLOT DATE : 3/24/2023 4:42 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

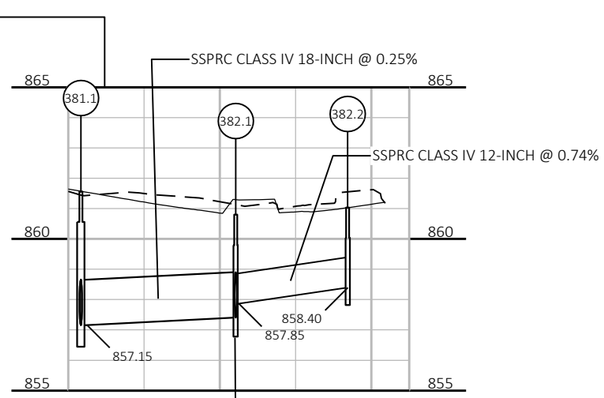
WISDOT/CADDS SHEET 41

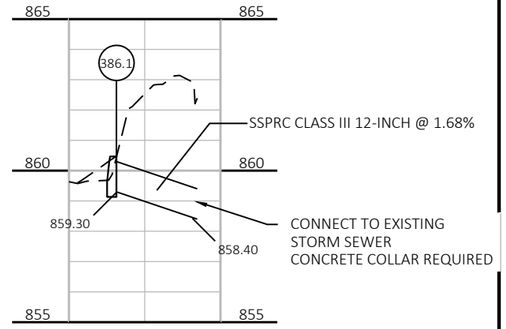
2











PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	STORM SEWER :CTH M [11 OF 11]	SHEET 151	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - SS11
PLOT DATE : 3/24/2023 4:44 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 41

2

N

ONCKEN RD

2-11
R1-1
36"X36"
STOP
DIVIDED HIGHWAY
R6-3
30"X24"
2-13
2-10
STOP
REMOVE

2-9
R4-7
24"X30"
2-8
R3-4
24"X24"

271+00 'WB'
272+00 'WB'
273+00 'WB'
274+00 'WB'
275+00 'WB'
276+00 'WB'
271+00 'EB'
272+00 'EB'
273+00 'EB'
CTH M
274+00 'EB'
275+00 'EB'
276+00 'EB'

REMOVE
2-1

BEGIN
RIGHT TURN LANE
YIELD TO BIKES
R4-4
36"X30"
2-2

2-7

MATCH LINE 276+20 'EB'

2-6
STOP
R1-1
36"X36"
DIVIDED HIGHWAY
R6-3
30"X24"
2-12

REMOVE
POST WITH
NO SIGN

STOP
REMOVE
2-5

SPEED LIMIT
45
REMOVE
2-4

2-14
SPEED LIMIT
40
R2-1
30"x36"

2-15
SPEED LIMIT
40
R2-1
30"x36"

2-3
BEGIN
LEFT TURN LANE
R3-20L
24"X36"

SIGN
SIGN

PARK ENTRANCE

NOTES

1. EXISTING SIGNS NOT SHOWN OUTSIDE THE WORK LIMITS ARE TO REMAIN

2. ADHERED TO "DANE COUNTY BICYCLE WAYFINDING MANUAL" STANDARDS FOR NORTH MENDOTA TRAIL SIGNAGE

LEGEND

EXISTING SIGN MOUNTED ON POST(S) OR POLE

PROPOSED SIGN MOUNTED ON POST(S) OR POLE

XXX DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 152	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 02
PLOT DATE : 4/27/2023 4:24 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

Oncken Rd
D1-1
78"X15"
3-5

3-1
3-2
REMOVE

BEGIN RIGHT TURN LANE
YIELD TO BIKES
REMOVE
3-3

ONCKEN RD
REMOVE
3-4

REMOVE
3-6

277+00 'WB'
278+00 'WB'
279+00 'WB'
280+00 'WB'
281+00 'WB'

277+00 'EB'
278+00 'EB'
CTH M
279+00 'EB'
280+00 'EB'
281+00 'EB'

MATCH LINE 276+20 'EB'

MATCH LINE 281+50 'EB'

CAMP

REMOVE
3-9

POST
POST
POST
SEPV

3-8
Dorn Creek
I3-1
36"X24"

3-7
DORN CREEK
REMOVE

NOTES

1. EXISTING SIGNS NOT SHOWN OUTSIDE THE WORK LIMITS ARE TO REMAIN

2. ADHERED TO "DANE COUNTY BICYCLE WAYFINDING MANUAL" STANDARDS FOR NORTH MENDOTA TRAIL SIGNAGE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S) OR POLE
- PROPOSED SIGN MOUNTED ON POST(S) OR POLE
- XXX — DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 153	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 03
PLOT DATE : 4/27/2023 4:24 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

Dorn Creek
I3-1
36"X24"
4-2

W4-2R
36"X36"
4-5

W4-2R
36"X36"
4-4

DORN CREEK
REMOVE
4-1

SIGN

282+00 'WB'
283+00 'WB'
284+00 'WB'
285+00 'WB'
286+00 'WB'

MATCH LINE 281+50 'EB'

282+00 'EB'
283+00 'EB'
284+00 'EB'
285+00 'EB'
286+00 'EB'

CTH M

MATCH LINE 286+80 'EB'

SIGN

GIST

4-3

REMOVE

NOTES

1. EXISTING SIGNS NOT SHOWN OUTSIDE THE WORK LIMITS ARE TO REMAIN

2. ADHERED TO "DANE COUNTY BICYCLE WAYFINDING MANUAL" STANDARDS FOR NORTH MENDOTA TRAIL SIGNAGE

LEGEND

EXISTING SIGN MOUNTED ON POST(S) OR POLE

PROPOSED SIGN MOUNTED ON POST(S) OR POLE

XXX DENOTES SIGN NUMBER

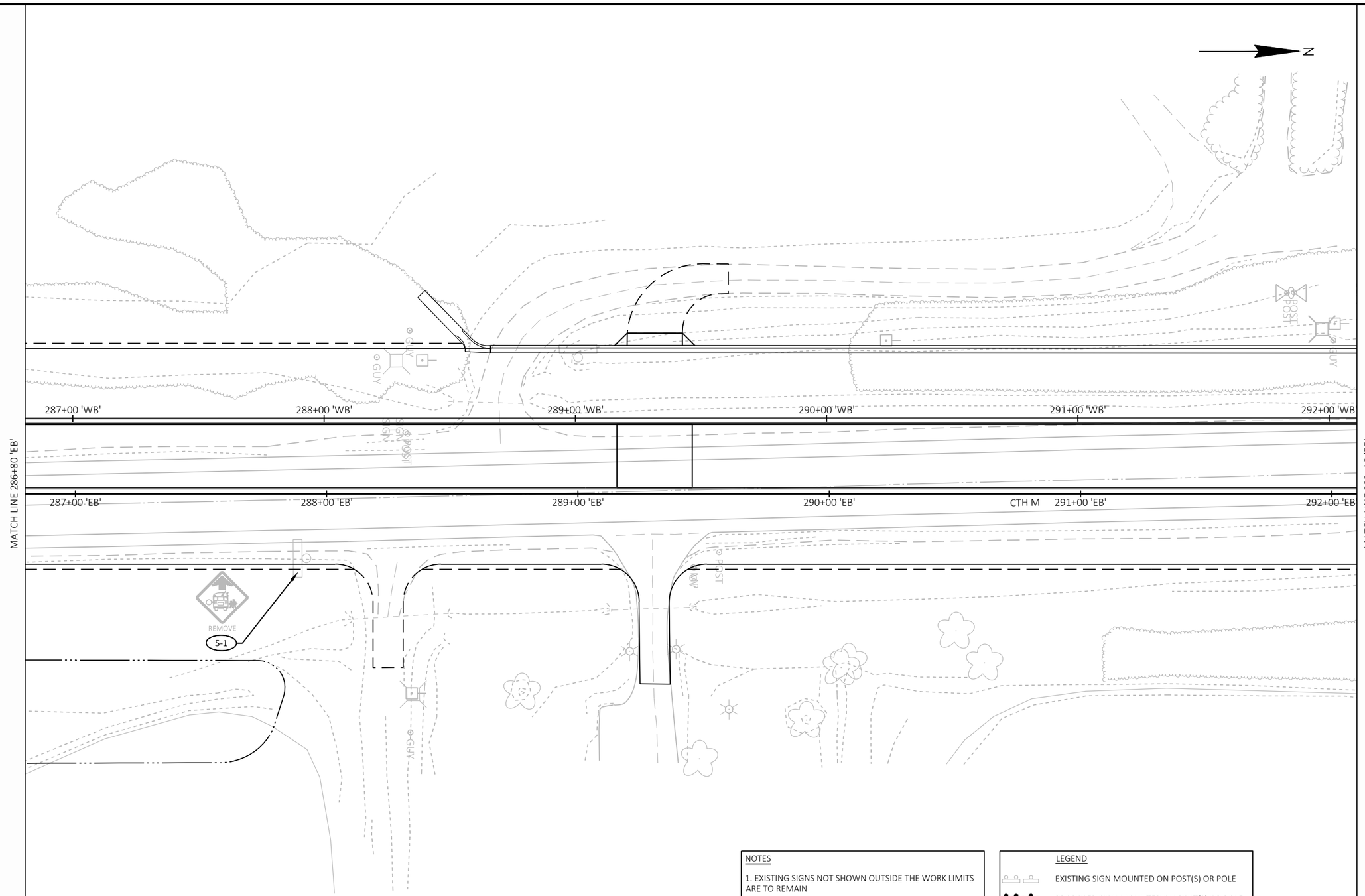
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 154	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 04

PLOT DATE : 4/27/2023 4:25 PM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



NOTES

1. EXISTING SIGNS NOT SHOWN OUTSIDE THE WORK LIMITS ARE TO REMAIN

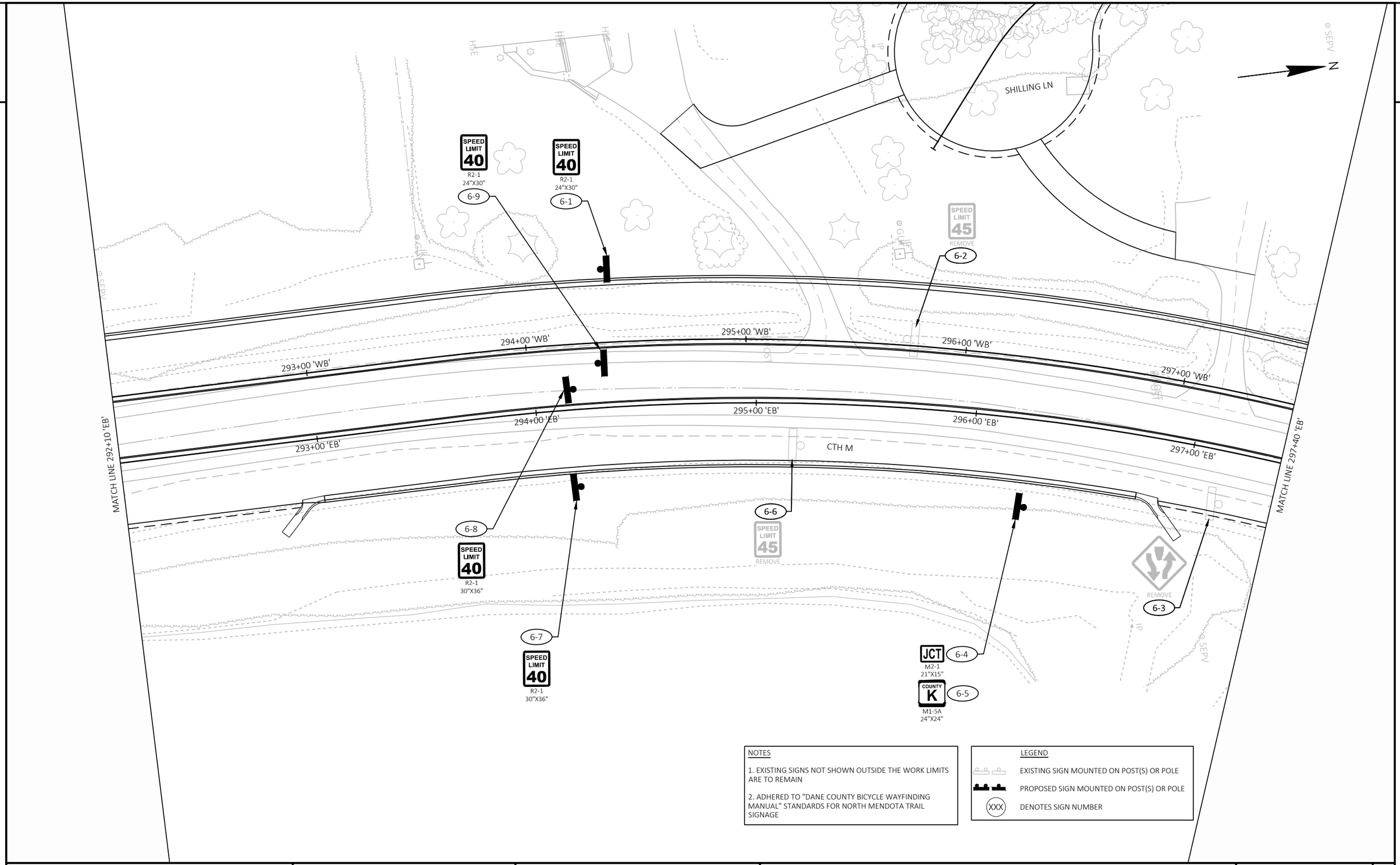
2. ADHERED TO "DANE COUNTY BICYCLE WAYFINDING MANUAL" STANDARDS FOR NORTH MENDOTA TRAIL SIGNAGE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S) OR POLE
- PROPOSED SIGN MOUNTED ON POST(S) OR POLE
- XXX — DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 155	E

2



NOTES

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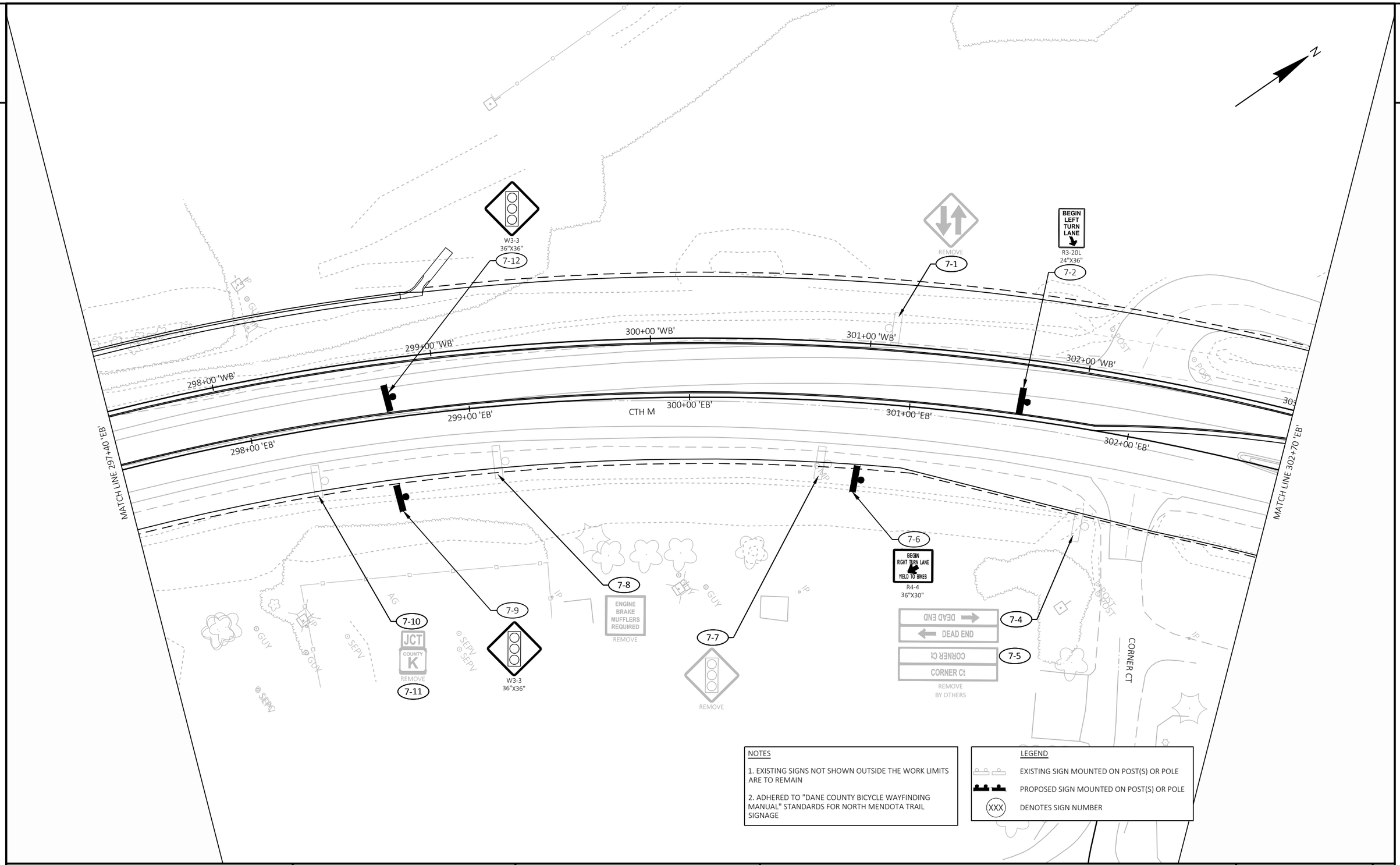
2. ADHERED TO "DANE COUNTY BICYCLE WAYFINDING MANUAL" STANDARDS FOR NORTH MENDOTA TRAIL SIGNAGE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S) OR POLE
- PROPOSED SIGN MOUNTED ON POST(S) OR POLE
- (XXX) DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 156	E

2



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 157	E

2

MATCHLINE 85+05 'K'

8-1 REMOVE

8-2 REMOVE

8-3 M1-5A 24"X24"

8-4 REMOVE

8-5 REMOVE

Governor Nelson State Park 1/2 MILE

8-6 M6-4 21"X21"

8-7 M1-5A 24"X24"

8-8 ON SIGNAL POLE R1-2 36"X31"

8-10 W12-1D 24"X24"

8-11 ON SIGNAL POLE R4-7 24"X30"

8-12 R3-4 24"X24"

CTH K

86+00 'K'

86+00 'KWB'

8-13 ON SIGNAL POLE STOP R1-1F 36"X36"

8-14

8-15 ON SIGNAL POLE STOP R1-1F 36"X36"

8-16 W12-1D 24"X24"

8-46 W11-15 36"X36" W16-7P 30"X18"

8-8

SPEED LIMIT 45 REMOVE

8-21 COUNTY M REMOVE

8-20

8-18 COUNTY K M1-5A 24"X24" M6-1 21"X21"

8-19

305+00 'WB'

306+00 'WB'

304+00 'WB'

308+00 'WB'

CTH M

305+00 'EB'

306+00 'EB'

304+00 'EB'

307+00 'EB'

303+00 'EB'

308+00 'EB'

MATCH LINE 302+70 'EB'

MATCH LINE 308+00 'EB'

8-39 ON SIGNAL POLE STOP R1-1F 36"X36"

8-32 ON SIGNAL POLE R4-7 24"X30"

8-33 R3-4 24"X24"

18+00 'NSB'

18+00 'NS'

8-30 ON SIGNAL POLE R4-7 24"X30"

8-29 ON SIGNAL POLE STOP R1-1F 36"X36"

8-31 R3-4 24"X24"

8-35 ON SIGNAL POLE R4-7 24"X30"

8-41 REMOVE

GUY

VENT

8-40 ON SIGNAL POLE STOP R1-1F 36"X36"

8-38 COUNTY K M1-5A 24"X24"

8-37 M6-1 21"X21"

8-34 ON SIGNAL POLE STOP R1-1F 36"X36"

8-44 DEAD END W14-1 30"X30"

8-45 WEIGHT LIMIT 8 TONS R12-1 24"X30"

8-43 NO PARKING ANY TIME R7-1D 18"X24"

17+00 'NSB'

17+00 'NS'

N SHORE BAY DR

8-36

308+00 'BP1'

8-28 ON SIGNAL POLE STOP R1-1F 36"X36"

8-22 North Mendota Trail I-SP 24"X18"

8-23 Lake Loop Rd

8-24 Indian Landing Road Area

8-25 Westport

8-26 Madison

FB-A 24"X6"

REMOVE BY OTHERS

8-42 NO PARKING ANY TIME R7-1D 18"X24"

MATCHLINE 16+15 'NS'

NOTES

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2. ADHERED TO "DANE COUNTY BICYCLE WAYFINDING MANUAL" STANDARDS FOR NORTH MENDOTA TRAIL SIGNAGE

LEGEND

EXISTING SIGN MOUNTED ON POST(S) OR POLE

PROPOSED SIGN MOUNTED ON POST(S) OR POLE

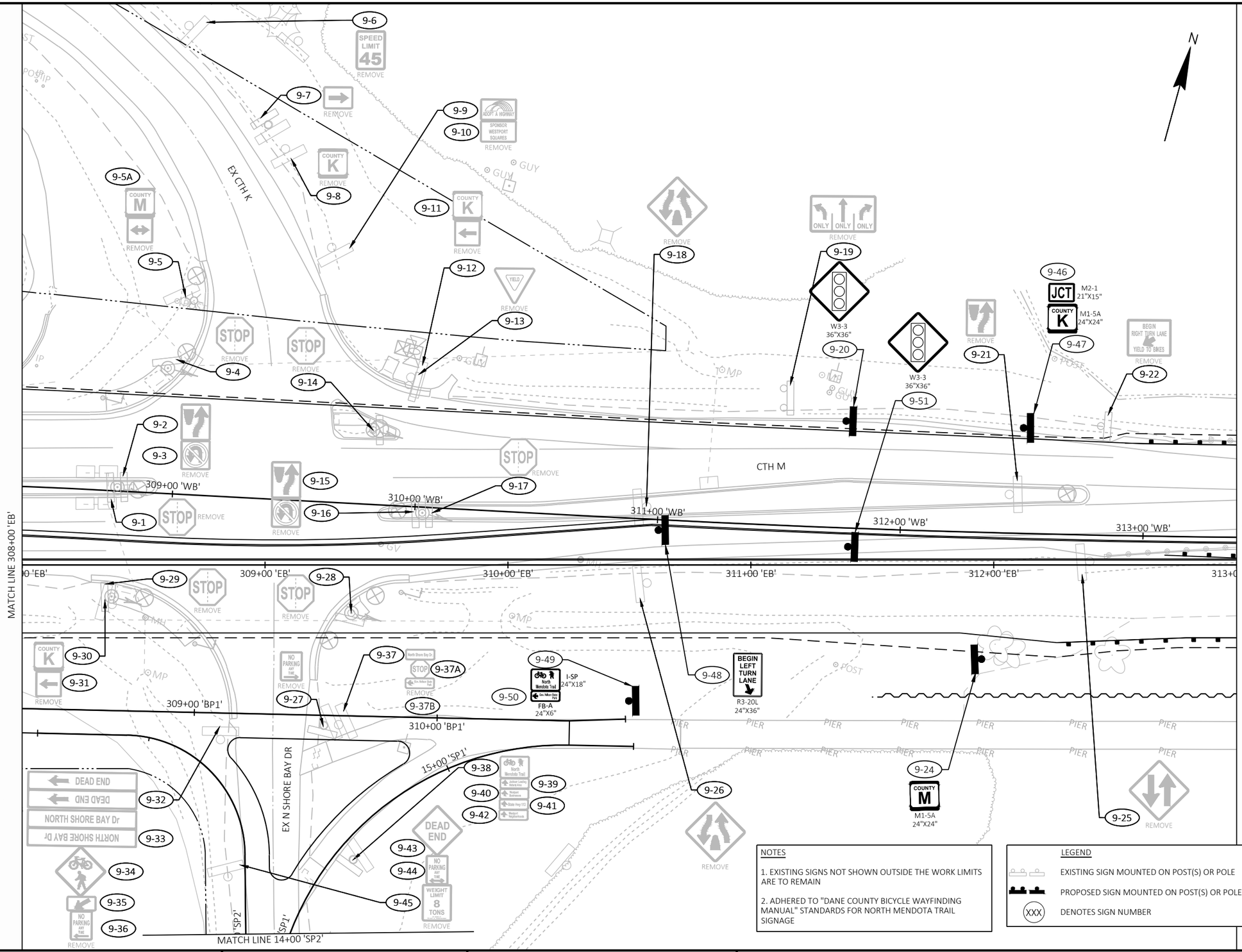
(XXX) DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 158	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 08

PLOT DATE : 4/27/2023 4:28 PM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



NOTES

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LEGEND

- EXISTING SIGN MOUNTED ON POST(S) OR POLE
- PROPOSED SIGN MOUNTED ON POST(S) OR POLE
- (XXX) DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 159	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 09
PLOT DATE : 4/27/2023 4:29 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

BEGIN RIGHT TURN LANE YIELD TO BIKES
R4-4
36"X30"
9-52

REMOVE
10-1

JCT COUNTY K
REMOVE
10-2
10-2A

REMOVE
10-3

REMOVE
10-7

SPEED LIMIT 45
REMOVE
10-5

10-8
COUNTY M REMOVE

10-4
REMOVE

MATCH LINE 313+00 'EB'

314+00 'WB'
314+00 'EB'
315+00 'WB'
315+00 'EB'
316+00 'WB'
316+00 'EB'
317+00 'WB'
317+00 'EB'
318+00 'WB'
318+00 'EB'
319+

CTH M

MATCH LINE 318+60 'EB'

GUY
POST
PIER
SIGN

NOTES

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LEGEND

EXISTING SIGN MOUNTED ON POST(S) OR POLE

PROPOSED SIGN MOUNTED ON POST(S) OR POLE

XXX DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 160	E

2

N

ENGINE BRAKE MUFFLERS REQUIRED
REMOVE
11-3

DEAD END
DEAD END
MANSFIELD Rd
MANSFIELD Rd
REMOVE BY OTHERS
11-12
11-11

11-25
ONE WAY
R6-1R
36"X18"
R3-2
24"X24"
11-2

11-1
REMOVE

DO NOT ENTER
R5-1
30"X30"
11-4

REMOVE
11-5

REMOVE
11-10

BEGIN LEFT TURN LANE
R3-20L
24"X36"
11-6

SPEED LIMIT 45
REMOVE
11-7

11-24
R2-1
30"X36"
SPEED LIMIT 40

GUY

MATCH LINE 318+60 'EB'

00 'WB'
320+00 'WB'
321+00 'WB'
322+00 'WB'
323+00 'WB'
324+00 'WB'

319+00 'EB'
320+00 'EB'
321+00 'EB'
CTH M
322+00 'EB'
323+00 'EB'

MATCH LINE 323+90 'EB'

SIGN
REMOVE SIGN
11-23

11-20
WOODLAND RD
REMOVE

11+00 "MA"
MANSFIELD RD

11-22
ONE WAY
R6-1R
36"X18"
R1-1
36"X36"
STOP
11-21

11-9
Woodland Dr
D1-1
84"X15"

11-8
BEGIN LEFT TURN LANE
R3-20L
24"X36"

11-32
MOUNTED ON LIGHT POLE
R2-1
30"X36"
SPEED LIMIT 40

PIER

ATTACHED TO PIER
R5-3
24"X24"
NO MOTOR VEHICLES
11-26
11-27
W5-52R
12"X36"

11-17
STOP
R1-1B
18"X18"

11-18
Private Rd
STOP
REMOVE
11-19

ATTACHED TO PIER
11-28
W5-52L
12"X36"

11-13
STOP
REMOVE
SIGN

11-16
STOP
R1-1B
18"X18"

11-29
ATTACHED TO PIER
W5-52L
12"X36"

11-30
ATTACHED TO PIER
NO MOTOR VEHICLES
R5-3
24"X24"
11-31
W5-52R
12"X36"

NOTES

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LEGEND

EXISTING SIGN MOUNTED ON POST(S) OR POLE

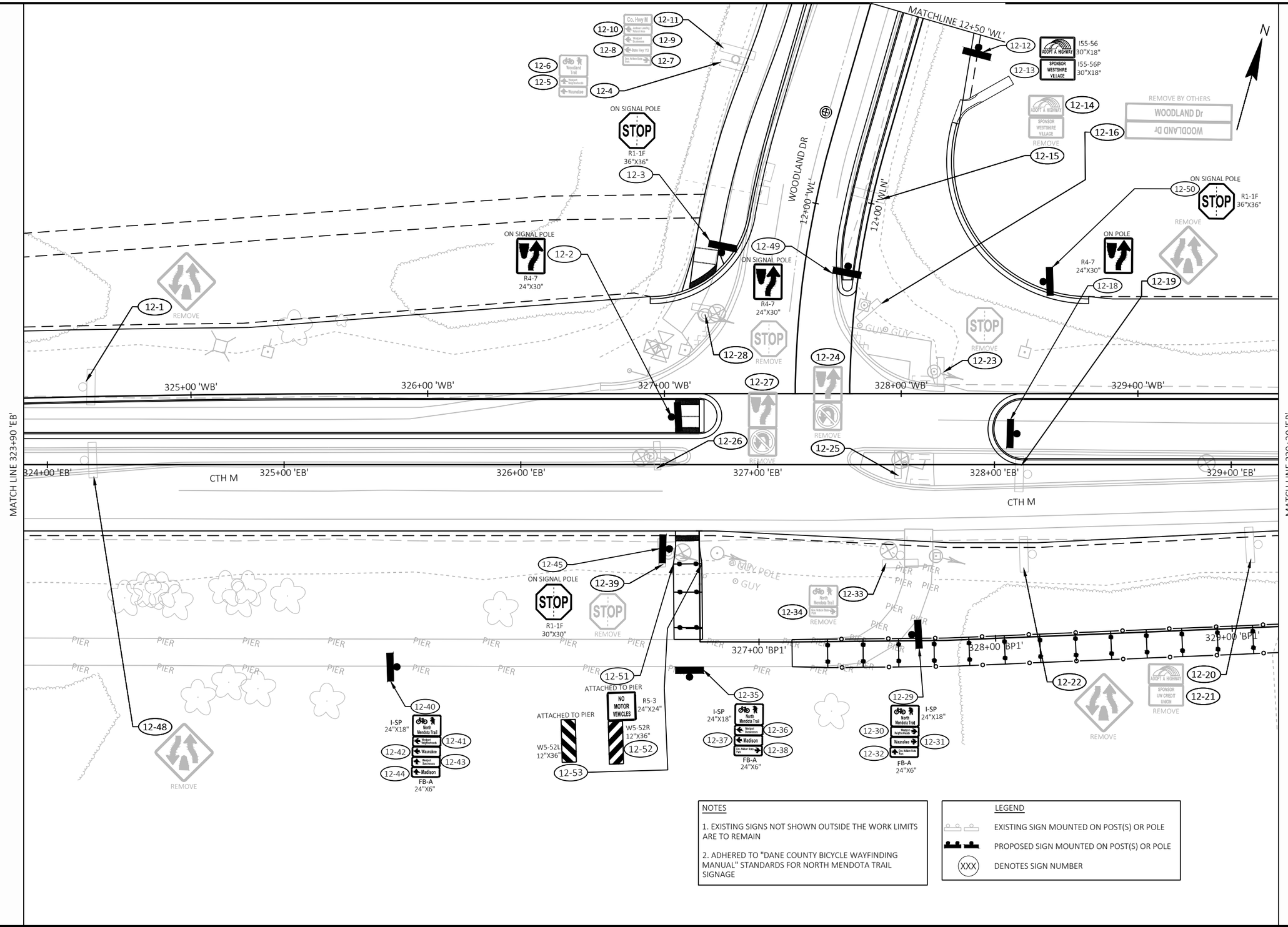
PROPOSED SIGN MOUNTED ON POST(S) OR POLE

XXX DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 161	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 11
PLOT DATE : 4/27/2023 4:30 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTES

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- PROPOSED SIGN MOUNTED ON POST(S) OR POLE
- (XXX) DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 162	E

2

N

Woodland Dr
D1-1
84"X15"
13-5

REMOVE
13-1

BEGIN RIGHT TURN LANE YIELD TO BIKES
REMOVE
13-2

WOODLAND DR
REMOVE
13-3

BEGIN RIGHT TURN LANE YIELD TO BIKES
R4-4
36"X30"
13-4

330+00 'WB'
331+00 'WB'
332+00 'WB'
333+00 'WB'
334+00 'WB'

MATCH LINE 329+20 'EB'

330+00 'EB'
331+00 'EB'
CTH M
332+00 'EB'
333+00 'EB'
334+00 'EB'

MATCH LINE 334+50 'EB'

330+00 'BP1'
331+00 'BP1'
332+00 'BP1'
333+00 'BP1'
334+00 'BP1'

13-8
ACCEPT A HIGHWAY
I55-56
30"X18"
13-9
SPONSOR UW CREDIT UNION
I55-56P
30"X18"

13-7
REMOVE

13-6
SPEED LIMIT 45
REMOVE

13-11
ATTACHED TO PIER
R5-3
24"X24"
NO MOTOR VEHICLES
W5-52R
12"X36"
13-12

ATTACHED TO PIER
W5-52L
12"X36"
13-13

13-10
SPEED LIMIT 40
R2-1
30"x36"

13-14
SPEED LIMIT 40
R2-1
30"x36"

NOTES

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LEGEND

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- PROPOSED SIGN MOUNTED ON POST(S) OR POLE
- XXX — DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 163	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 13

PLOT DATE : 4/27/2023 4:31 PM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

DO NOT PASS ON SHOULDER
REMOVE
14-1

REMOVE
14-2

R3-4
24"X24"
14-3

R3-4
24"X24"
14-4

335+00 'WB'
336+00 'WB'
337+00 'WB'
338+00 'WB'
339+00 'WB'
340+00 'WB'

MATCH LINE 334+50 'EB'

335+00 'EB'
336+00 'EB'
CTH M
337+00 'EB'
338+00 'EB'
339+00 'EB'

MATCH LINE 339+80 'EB'

335+00 'BP1'
336+00 'BP1'
337+00 'BP1'
338+00 'BP1'
339+00 'BP1'

POST

NOTES

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LEGEND

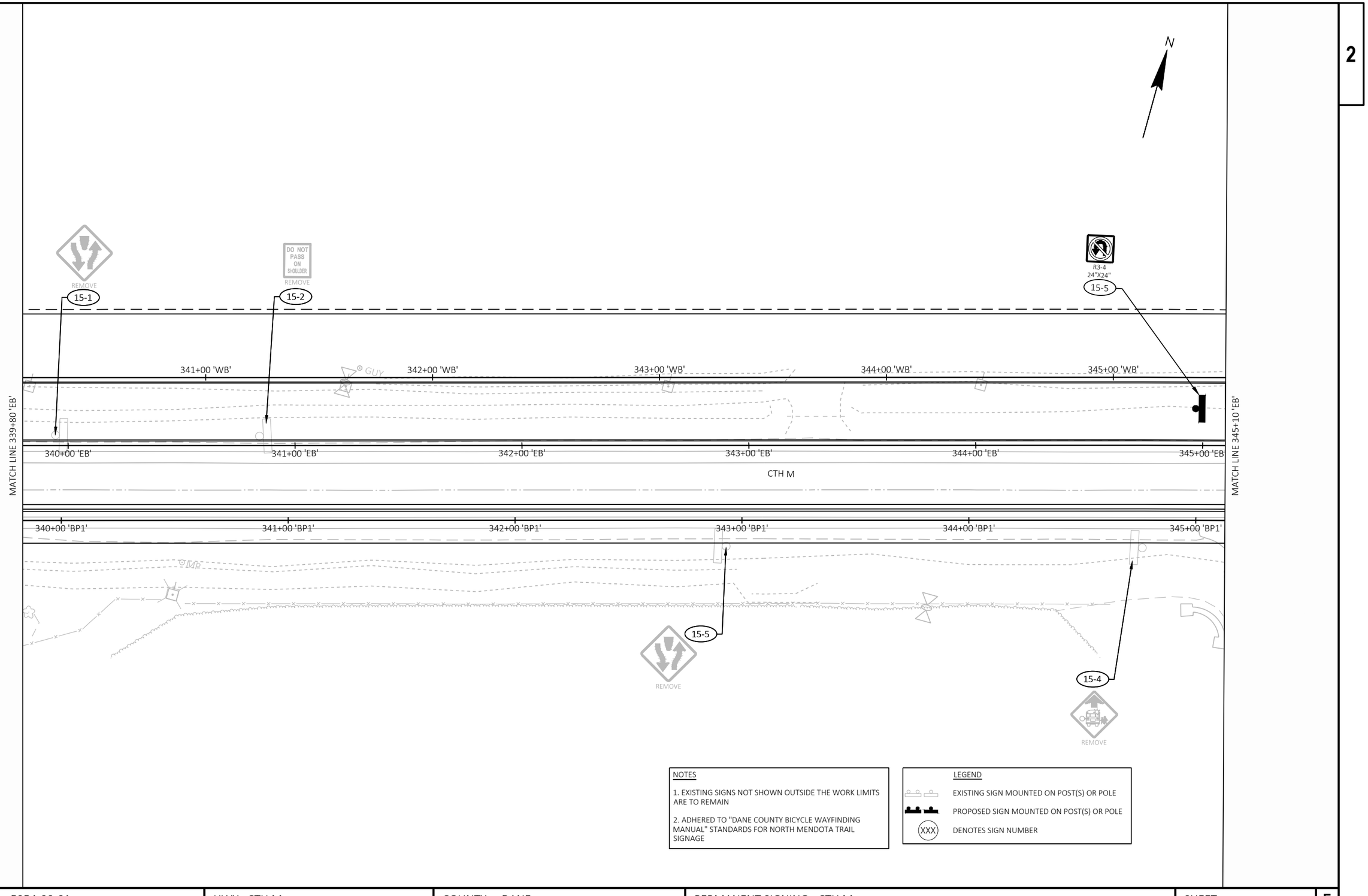
EXISTING SIGN MOUNTED ON POST(S) OR POLE

PROPOSED SIGN MOUNTED ON POST(S) OR POLE

XXX DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 164	E

2



NOTES

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- PROPOSED SIGN MOUNTED ON POST(S) OR POLE
- XXX — DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 165	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 15
PLOT DATE : 4/27/2023 4:33 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

R3-4
24"X24"
16-5

DO NOT PASS ON SHOULDER
REMOVE
16-1

REMOVE
16-2

REMOVE
16-3

346+00 'WB'
347+00 'WB'
348+00 'WB'
349+00 'WB'
350+00 'WB'

MATCH LINE 345+10 'EB'

346+00 'EB'
347+00 'EB'
CTH M
348+00 'EB'
349+00 'EB'
350+00 'EB'

MATCH LINE 350+40 'EB'

346+00 'BP1'
347+00 'BP1'
348+00 'BP1'
349+00 'BP1'
350+00 'BP1'

POST

16-6

Mary Lake Rd
Kupfer Rd
D1-2
90"X30"

16-4

MARY LAKE RD
REMOVE

NOTES

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LEGEND

EXISTING SIGN MOUNTED ON POST(S) OR POLE

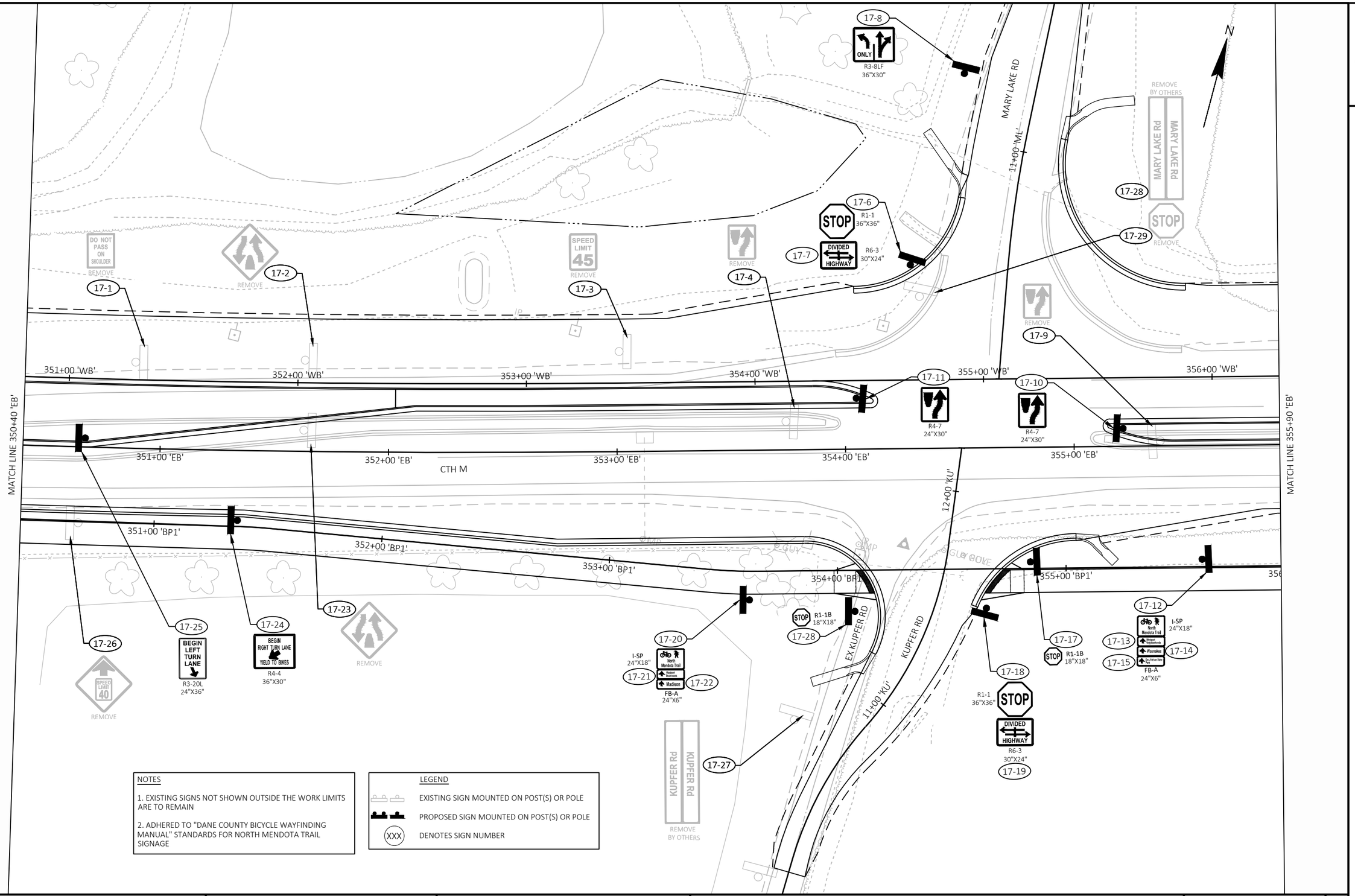
PROPOSED SIGN MOUNTED ON POST(S) OR POLE

XXX DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 166	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 16
PLOT DATE : 4/27/2023 4:34 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTES

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LEGEND

- EXISTING SIGN MOUNTED ON POST(S) OR POLE
- PROPOSED SIGN MOUNTED ON POST(S) OR POLE
- (XXX) DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 167	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 17
PLOT DATE : 4/27/2023 4:35 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

MATCH LINE 355+90 'EB'

MATCH LINE 361+00 'EB'

BEGIN LEFT TURN LANE
R3-20L
24"X36"
18-2

BEGIN RIGHT TURN LANE YIELD TO BIKES
R4-4
36"X30"
18-4

Kupfer Rd
Mary Lake Rd
D1-2
90"X30"
18-6

BEGIN RIGHT TURN LANE YIELD TO BIKES
REMOVE
18-5

MARY LAKE RD
REMOVE
18-7

18-1
REMOVE

REMOVE
18-3

357+00 'WB'
358+00 'WB'
359+00 'WB'
360+00 'WB'
361+00 'WB'

356+00 'EB'
357+00 'EB'
358+00 'EB'
359+00 'EB'
360+00 'EB'
361+0

CTH M

5+00 'BP1'
357+00 'BP1'
358+00 'BP1'
359+00 'BP1'
360+00 'BP1'
361+00 '

18-12
REMOVE

18-11
REMOVE

18-10
Willow Rd
D1-1
72"X15"

18-9
WILLOW RD
REMOVE

18-8
BEGIN RIGHT TURN LANE YIELD TO BIKES
R4-4
36"X30"

NOTES

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LEGEND

EXISTING SIGN MOUNTED ON POST(S) OR POLE

PROPOSED SIGN MOUNTED ON POST(S) OR POLE

XXX DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 168	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 18
PLOT DATE : 4/27/2023 4:36 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

11+00 'DNR'

REMOVE POST

SPEED LIMIT 45 REMOVE 19-2

DO NOT PASS ON SHOULDER REMOVE 19-1

REMOVE 19-3

DO NOT PASS ON SHOULDER REMOVE 19-4

POST

POST

POST

POST

362+00 'WB'

363+00 'WB'

364+00 'WB'

365+00 'WB'

366+00 'WB'

MATCH LINE 361+00 'EB'

ONE WAY R6-2R 24"X30" 19-20

ONE WAY R6-2R 24"X30" 19-19

0 'EB'

362+00 'EB'

363+00 'EB'

364+00 'EB'

365+00 'EB'

366+00 'EB'

CTH M

19-9

COUNTY M REMOVE

19-8

STOP REMOVE

STOP REMOVE 19-21

MATCH LINE 366+40 'EB'

MP

MP

BP1'

362+00 'BP1'

363+00 'BP1'

364+00 'BP1'

365+00 'BP1'

11+00 'WW'

WILLOW RD

19-12

BEGIN RIGHT TURN LANE YIELD TO BIKES REMOVE

19-11

SPEED LIMIT 45 REMOVE

REMOVE BY OTHERS

MARY LAKE Rd

MARY LAKE Rd

19-18

W11-15 36"X36" 19-26

19-13

North Mendota Trail I-SP 24"X18"

W11-15 36"X36" 19-27

SIGN

SIGN

VMH

I-SP 24"X18" North Mendota Trail Downtown Madison 20 Bishops Bay Elvehjem Madison 19-15

19-14

19-16

19-17

FB-A 24"X6"

SPEED LIMIT 25 REMOVE

19-10

19-23

STOP R1-1B 18"x18"

19-24

I-SP 24"X18" North Mendota Trail AR 12"X9"

19-25

R1-1 36"X36"

STOP

R3-53R 24"X30"

RIGHT TURN ONLY

19-7

19-6

19-22

SPEED LIMIT 25 R2-1 30"x36"

NOTES

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LEGEND

EXISTING SIGN MOUNTED ON POST(S) OR POLE

PROPOSED SIGN MOUNTED ON POST(S) OR POLE

(XXX) DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 169	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 19

PLOT DATE : 4/27/2023 4:37 PM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

REMOVE
20-1

REMOVE
20-2

20-3
REMOVE

20-4
REMOVE

MATCH LINE 366+40 'EB'

MATCH LINE 371+60 'EB'

367+00 'WB'
368+00 'WB'
369+00 'WB'
370+00 'WB'
371+00 'WB'
372+0

367+00 'EB'
368+00 'EB'
369+00 'EB'
370+00 'EB'
371+00 'EB'

CTH M

12+00 'WW'

GUY
GMP
POST
SIGN
AG

NOTES

1. EXISTING SIGNS NOT SHOWN OUTSIDE THE WORK LIMITS ARE TO REMAIN

2. ADHERED TO "DANE COUNTY BICYCLE WAYFINDING MANUAL" STANDARDS FOR NORTH MENDOTA TRAIL SIGNAGE

LEGEND

EXISTING SIGN MOUNTED ON POST(S) OR POLE

PROPOSED SIGN MOUNTED ON POST(S) OR POLE

XXX DENOTES SIGN NUMBER

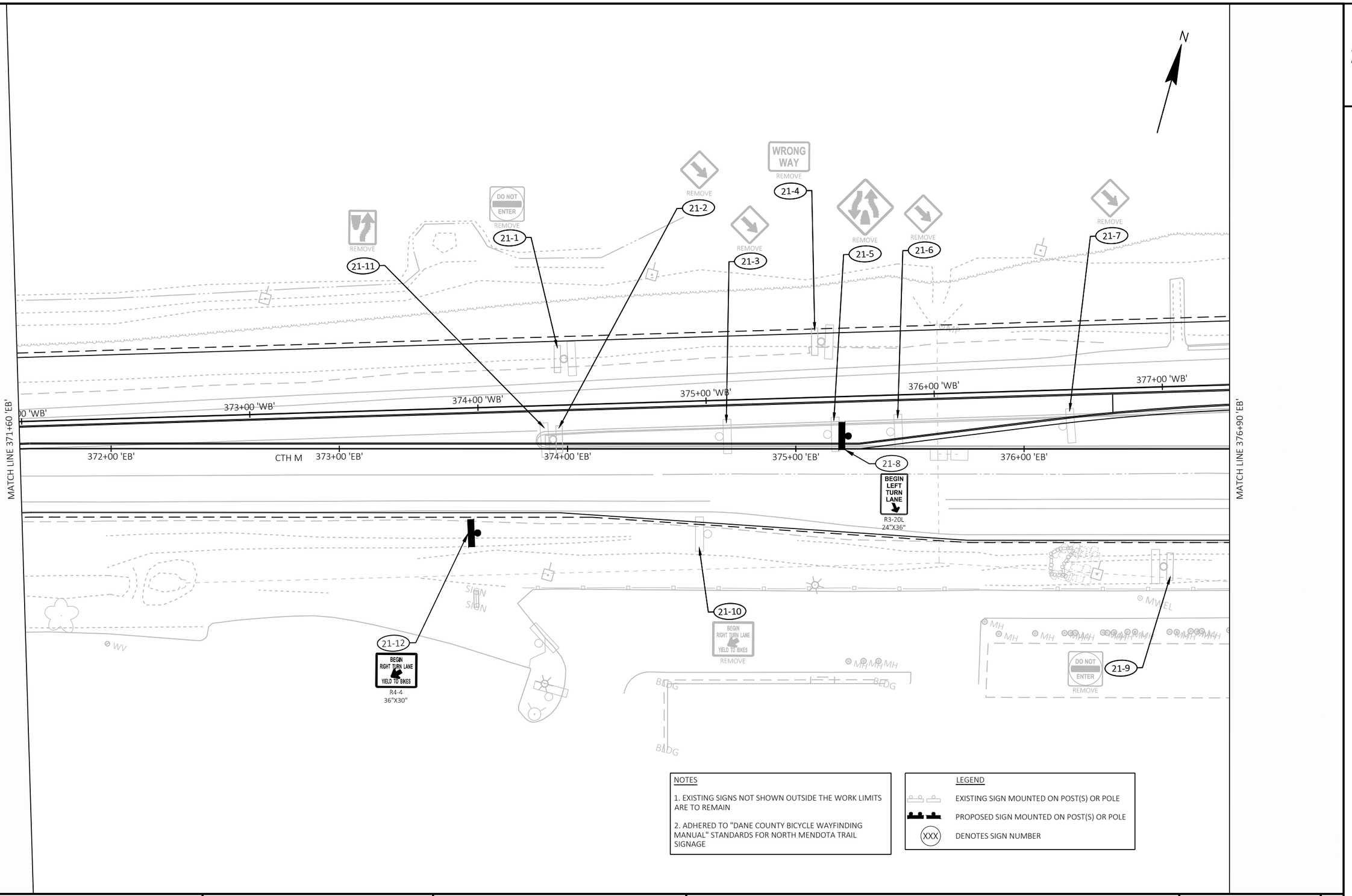
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 170	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 20

PLOT DATE : 4/27/2023 4:38 PM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



NOTES

1. EXISTING SIGNS NOT SHOWN OUTSIDE THE WORK LIMITS ARE TO REMAIN

2. ADHERED TO "DANE COUNTY BICYCLE WAYFINDING MANUAL" STANDARDS FOR NORTH MENDOTA TRAIL SIGNAGE

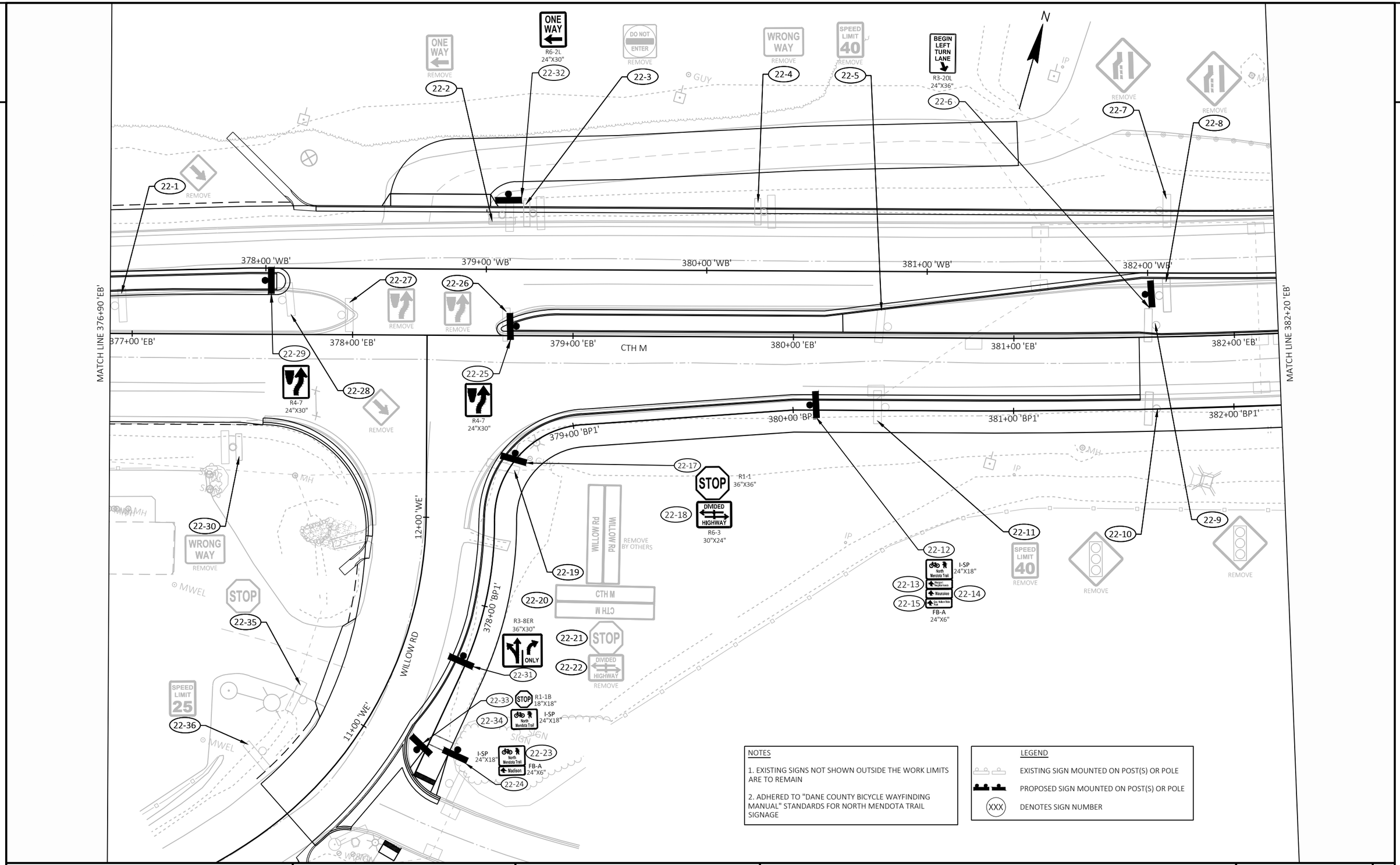
LEGEND

- EXISTING SIGN MOUNTED ON POST(S) OR POLE
- PROPOSED SIGN MOUNTED ON POST(S) OR POLE
- (XXX) DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 171	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 21
PLOT DATE : 4/27/2023 4:39 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

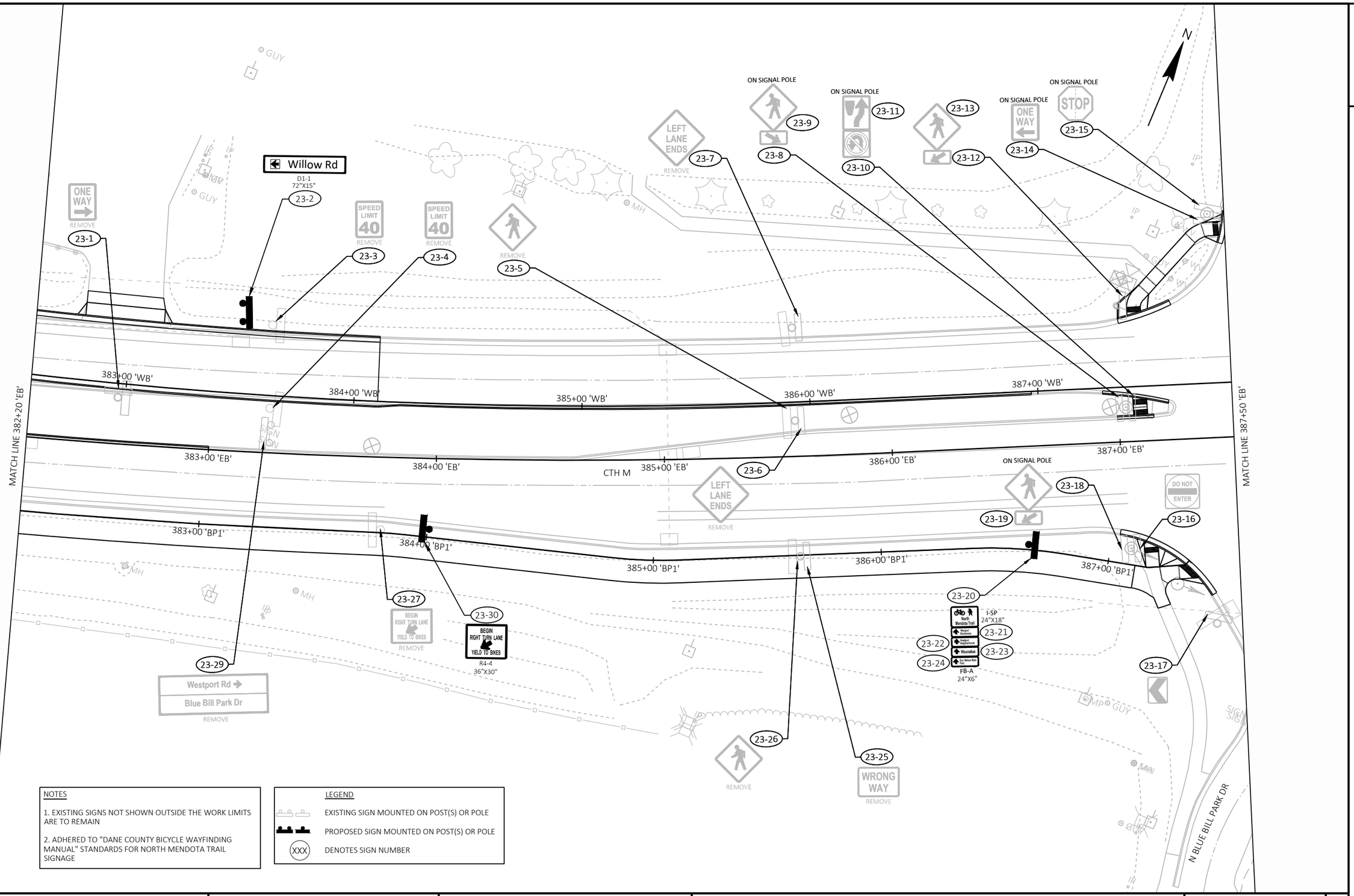
2



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 172	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 22
PLOT DATE : 4/27/2023 4:40 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTES

1. EXISTING SIGNS NOT SHOWN OUTSIDE THE WORK LIMITS ARE TO REMAIN

2. ADHERED TO "DANE COUNTY BICYCLE WAYFINDING MANUAL" STANDARDS FOR NORTH MENDOTA TRAIL SIGNAGE

LEGEND

EXISTING SIGN MOUNTED ON POST(S) OR POLE

PROPOSED SIGN MOUNTED ON POST(S) OR POLE

XXX DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 173	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 23

PLOT DATE : 4/27/2023 4:41 PM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

N BLUE BILL PARK DR

24-1 NO PARKING ANY TIME

24-2 DEAD END

ON SIGNAL POLE

24-3 DO NOT ENTER

24-4 ON SIGNAL POLE

24-5 WRONG WAY

24-6 BEGIN RIGHT TURN LANE YIELD TO BIKES

24-7 SPEED LIMIT 40

24-8 Westport Rd / Blue Bill Park Dr

ON MONOTUBE

24-22 Westport Rd / Blue Bill Park Dr

ON SIGNAL POLE

24-20

24-21

24-19

388+00 'WB' 389+00 'WB' 390+00 'WB' 391+00 'WB' 392+00 'WB' 393+00 'WB'

388+00 'EB' 389+00 'EB' 390+00 'EB' 391+00 'EB' 392+00 'EB'

CTH M

MATCH LINE 387+50 'EB'

MATCH LINE 392+80 'EB'

ON MONOTUBE

24-18 Westport Rd / Blue Bill Park Dr

ON SIGNAL POLE

24-17 ONE WAY

24-23 North Mendota Trail I-SP 24"X18"

24-24 AR 12"X9"

ON SIGNAL POLE

24-15 STOP

24-15 ONLY

R1-1B 18"X18"

24-25

North Mendota Trail I-SP 24"X18"

24-26

W11-15 36"X36"

24-28

W11-15 36"X36"

24-27

N BLUE BILL PARK DR

WESTPORT RD

24-11 SPEED LIMIT 40

24-10 SPEED LIMIT 40

24-9 SPEED LIMIT 40

NOTES

1. EXISTING SIGNS NOT SHOWN OUTSIDE THE WORK LIMITS ARE TO REMAIN

2. ADHERED TO "DANE COUNTY BICYCLE WAYFINDING MANUAL" STANDARDS FOR NORTH MENDOTA TRAIL SIGNAGE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S) OR POLE
- PROPOSED SIGN MOUNTED ON POST(S) OR POLE
- (XXX) DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 174	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 24

PLOT DATE : 4/27/2023 4:42 PM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

25-1

25-2

REMOVE

CTH M

394+00 'WB'

395+00 'WB'

396+00 'WB'

397+00 'WB'

398+00 'WB'

25-8

JCT 113

25-6

25-7

25-5

REMOVE

25-3

R R

393+00 'EB'

394+00 'EB'

395+00 'EB'

CTH M

396+00 'EB'

397+00 'EB'

398+00 'EB'

MATCH LINE 392+80 'EB'

MATCH LINE 398+10 'EB'

25-9

25-10

JCT 113

MP

R R

25-4

NOTES

1. EXISTING SIGNS NOT SHOWN OUTSIDE THE WORK LIMITS ARE TO REMAIN

2. ADHERED TO "DANE COUNTY BICYCLE WAYFINDING MANUAL" STANDARDS FOR NORTH MENDOTA TRAIL SIGNAGE

LEGEND

EXISTING SIGN MOUNTED ON POST(S) OR POLE

PROPOSED SIGN MOUNTED ON POST(S) OR POLE

XXX DENOTES SIGN NUMBER

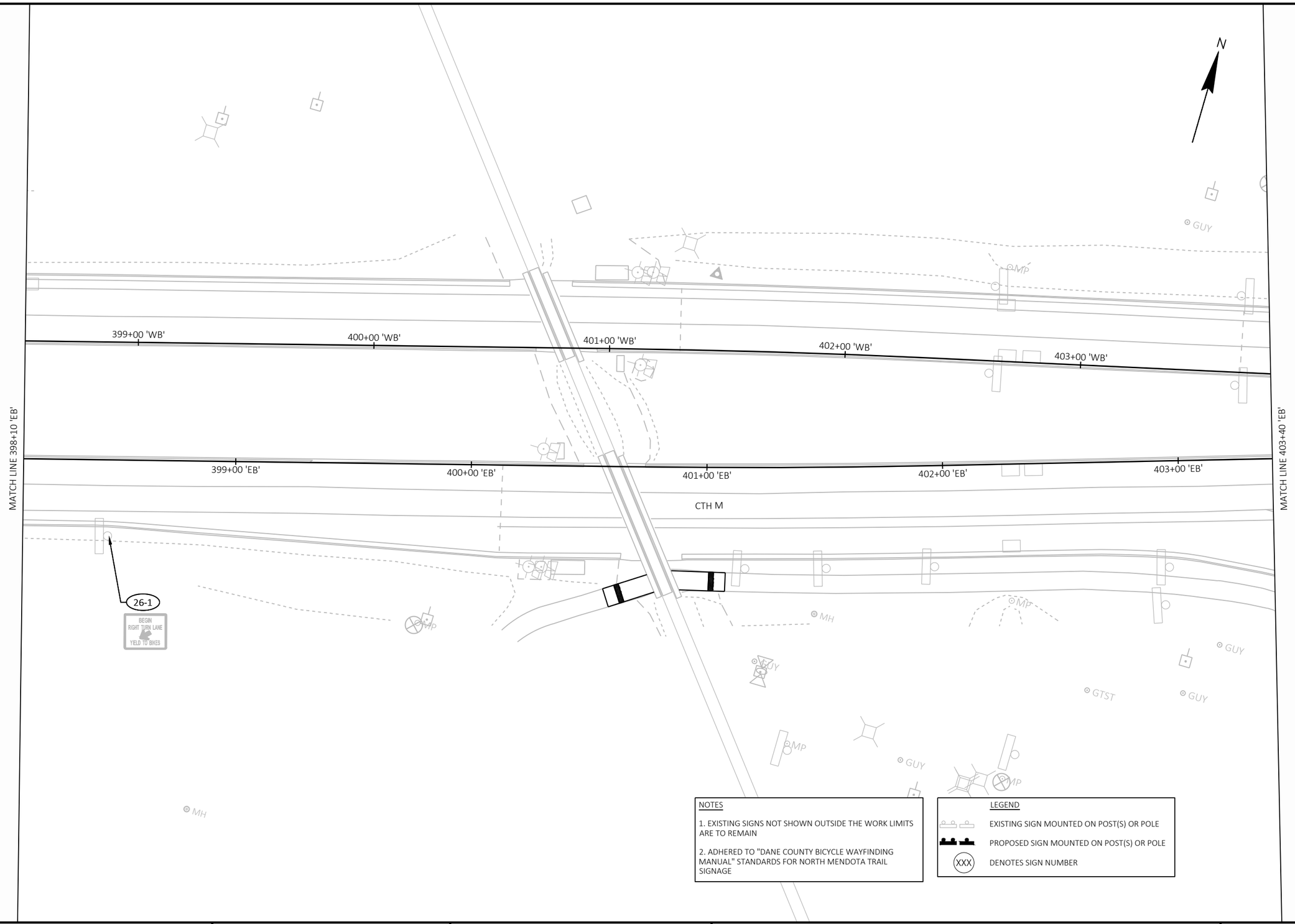
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 175	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 25

PLOT DATE : 4/27/2023 4:43 PM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



NOTES

1. EXISTING SIGNS NOT SHOWN OUTSIDE THE WORK LIMITS ARE TO REMAIN

2. ADHERED TO "DANE COUNTY BICYCLE WAYFINDING MANUAL" STANDARDS FOR NORTH MENDOTA TRAIL SIGNAGE

LEGEND

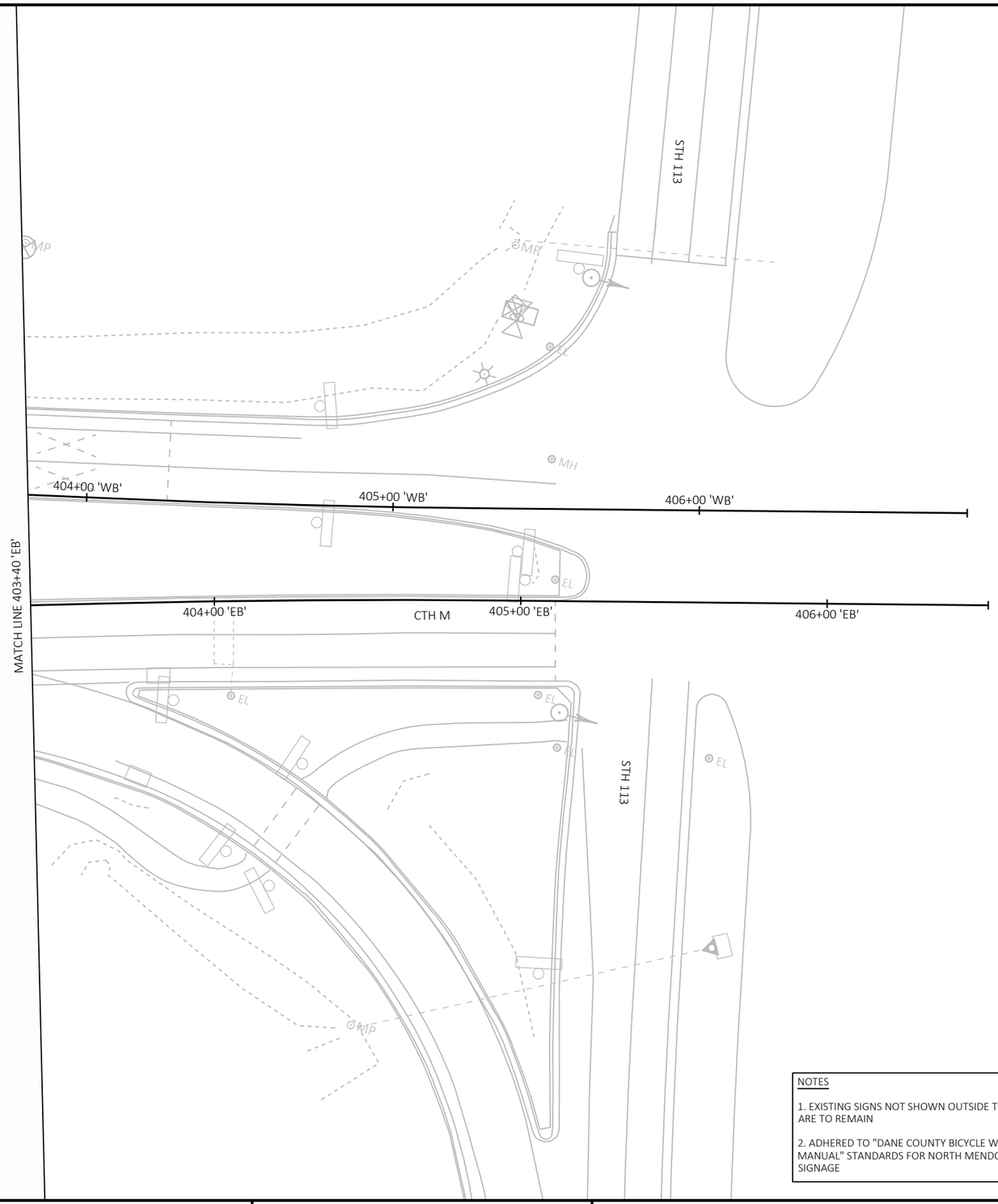
- EXISTING SIGN MOUNTED ON POST(S) OR POLE
- PROPOSED SIGN MOUNTED ON POST(S) OR POLE
- (XXX) DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 176	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 26

PLOT DATE : 4/27/2023 4:44 PM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



NOTES

1. EXISTING SIGNS NOT SHOWN OUTSIDE THE WORK LIMITS ARE TO REMAIN

2. ADHERED TO "DANE COUNTY BICYCLE WAYFINDING MANUAL" STANDARDS FOR NORTH MENDOTA TRAIL SIGNAGE

LEGEND

EXISTING SIGN MOUNTED ON POST(S) OR POLE

PROPOSED SIGN MOUNTED ON POST(S) OR POLE

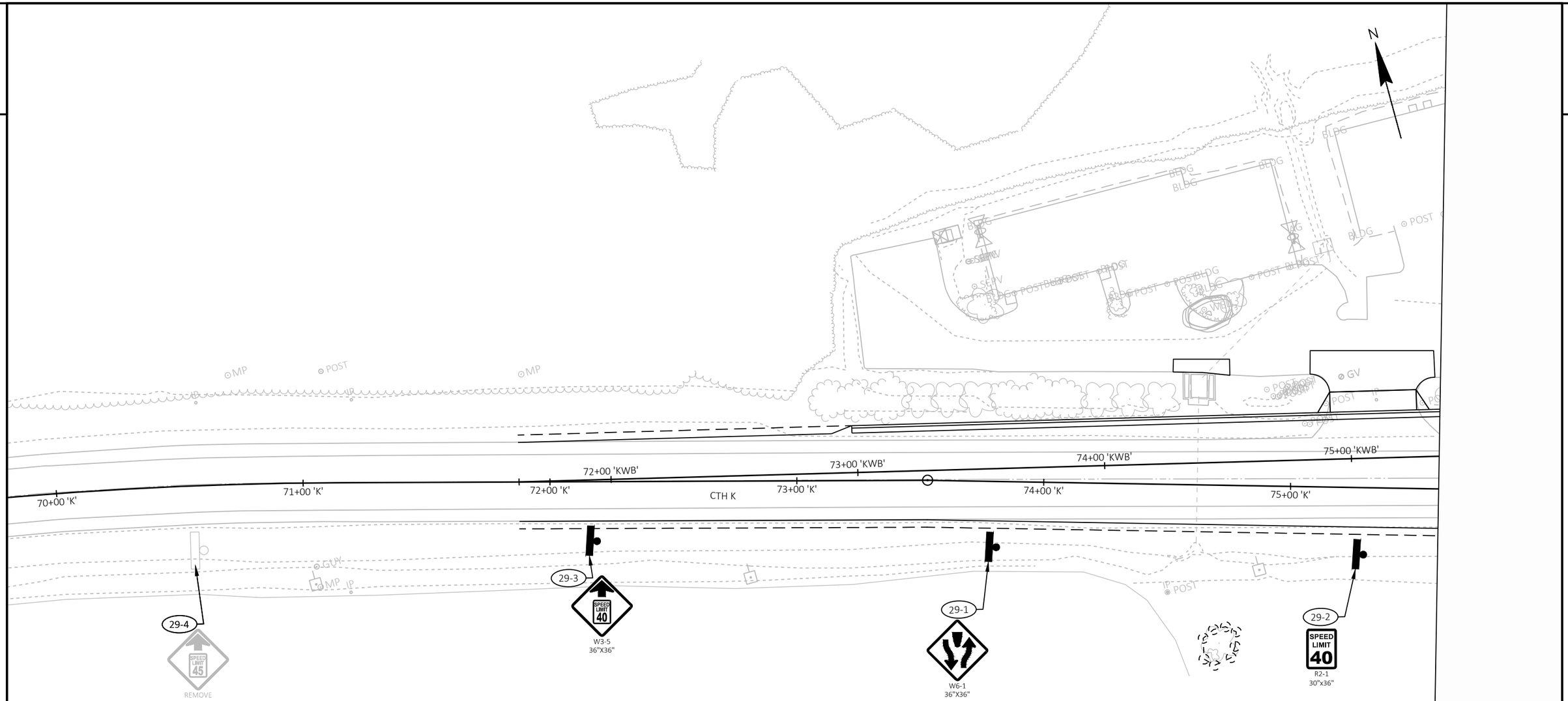
(XXX) DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH M	SHEET 177	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 27

PLOT DATE : 4/27/2023 4:45 PM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



NOTES

1. EXISTING SIGNS NOT SHOWN OUTSIDE THE WORK LIMITS ARE TO REMAIN

2. ADHERED TO "DANE COUNTY BICYCLE WAYFINDING MANUAL" STANDARDS FOR NORTH MENDOTA TRAIL SIGNAGE

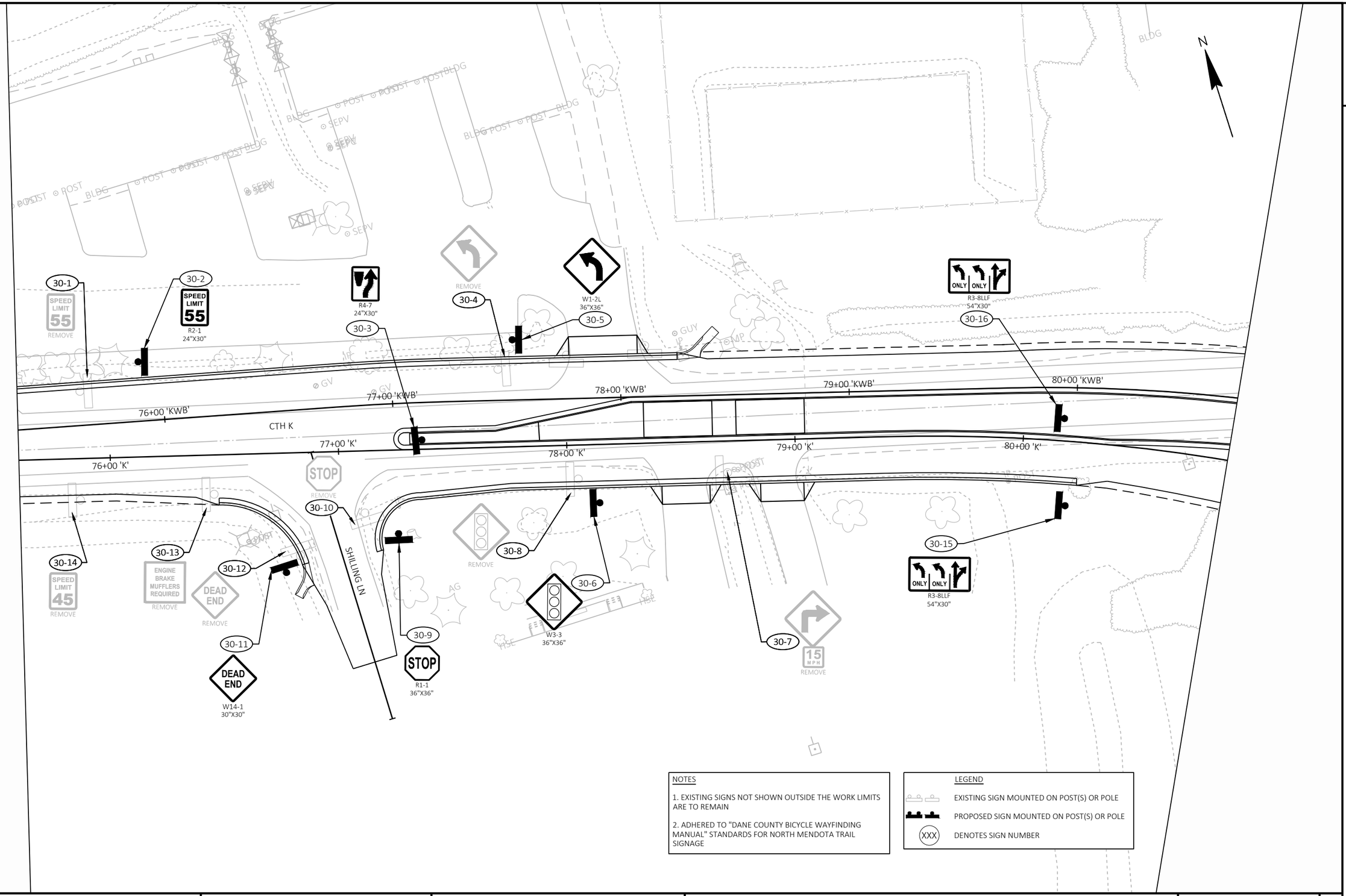
LEGEND

- EXISTING SIGN MOUNTED ON POST(S) OR POLE
- PROPOSED SIGN MOUNTED ON POST(S) OR POLE
- (XXX) DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH K	SHEET 178	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 29
PLOT DATE : 4/27/2023 4:46 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTES

1. EXISTING SIGNS NOT SHOWN OUTSIDE THE WORK LIMITS ARE TO REMAIN

2. ADHERED TO "DANE COUNTY BICYCLE WAYFINDING MANUAL" STANDARDS FOR NORTH MENDOTA TRAIL SIGNAGE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S) OR POLE
- PROPOSED SIGN MOUNTED ON POST(S) OR POLE
- XXX — DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH K	SHEET 179	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 30
PLOT DATE : 5/1/2023 12:26 PM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

EX CTH K

N

31-5 — COUNTY K — M1-5A 24"X24"

SPEED LIMIT 40 — R2-1 30"X36" — 31-6

31-4 — SPEED LIMIT 40 — R2-1 30"X36"

31-2 — ADOPT A HIGHWAY — I55-56 30"X18"

31-3 — SPONSOR WESTPORT SQUARES — I55-56P 30"X18"

81+00 'KWB'

82+00 'KWB'

83+00 'KWB'

84+00 'KWB'

85+00

81+00 'K'

82+00 'K'

83+00 'K'

84+00 'K'

85+00

CTH K

MATCHLINE 85+05 'K'

31-1 — JCT COUNTY M

31-1A — REMOVE

NOTES

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2. ADHERED TO "DANE COUNTY BICYCLE WAYFINDING MANUAL" STANDARDS FOR NORTH MENDOTA TRAIL SIGNAGE

LEGEND

EXISTING SIGN MOUNTED ON POST(S) OR POLE

PROPOSED SIGN MOUNTED ON POST(S) OR POLE

XXX — DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - CTH K	SHEET 180	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 31

PLOT DATE : 4/27/2023 4:47 PM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

CORNER CT

MATCHLINE 16+15 'NS'

MATCH LINE 14+00 'SP2'

N SHORE BAY DR

EX N SHORE BAY DR

11+00 'NS'

12+00 'NS'

13+00 'NSB'

13+00 'NS'

14+00 'NSB'

14+00 'NS'

15+00 'NSB'

15+00 'NS'

16+00 'NSB'

16+00 'NS'

14+00 'CL'

11+00 'SP1'

12+00 'SP1'

13+00 'SP1'

32-1 W11-15 30"X30"

32-3 R4-7 24"X30"

32-4 I-SP 24"X18"

32-5 FB-A 24"X6"

32-6

32-7

32-8 REMOVE

32-9 REMOVE

32-10 REMOVE

32-11

32-12 W6-1 36"X36"

32-13

32-14 REMOVE

32-16 R1-1B 18"X18"

32-17 I-SP 24"X18"

32-17A FB-A 24"X6"

32-18 W11-15 30"X30"

32-19 REMOVE

32-20 I-SP 24"X18"

32-20A AR 12"X9"

32-21 REMOVE

32-22 STOP R1-1 30"X30"

32-23 SPEED LIMIT 25 R2-1 24"X30"

32-24 R7-1L 18"X24"

32-25 R3-8ER 36"X30"

NOTES

1. EXISTING SIGNS NOT SHOWN OUTSIDE THE WORK LIMITS ARE TO REMAIN

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LEGEND

EXISTING SIGN MOUNTED ON POST(S) OR POLE

PROPOSED SIGN MOUNTED ON POST(S) OR POLE

(XXX) DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - NORTH SHORE BAY DR	SHEET 181	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 32

PLOT DATE : 4/27/2023 4:48 PM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

ONLY ONLY ONLY
R3-8LLR
54"X30"
33-3

WOODLAND DR

MATCHLINE 12+50 'WL'

MATCH LINE 18+30 'WL'

14+00 'WL'
15+00 'WL'
16+00 'WL'
17+00 'WL'
18+00 'WL'
14+00 'WLN'
15+00 'WLN'
16+00 'WLN'
17+00 'WLN'
18+00 'WLN'

33-1
SPEED LIMIT 45
REMOVE

33-2
R4-7
24"X30"

NOTES

1. EXISTING SIGNS NOT SHOWN OUTSIDE THE WORK LIMITS ARE TO REMAIN

2. ADHERED TO "DANE COUNTY BICYCLE WAYFINDING MANUAL" STANDARDS FOR NORTH MENDOTA TRAIL SIGNAGE

LEGEND

EXISTING SIGN MOUNTED ON POST(S) OR POLE

PROPOSED SIGN MOUNTED ON POST(S) OR POLE

XXX DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - WOODLAND DR	SHEET 182	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 33

PLOT DATE : 4/27/2023 4:49 PM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

SPEED LIMIT 40
R2-1
30"X36"
34-1

MATCH LINE 18+30 'WL'

19+00 'WL'
19+00 'WLN'
20+00 'WL'
WOODLAND DR
21+00 'WL'
22+00 'WL'

34-2
SPEED LIMIT 45
R2-1
30"X36"

NOTES

1. EXISTING SIGNS NOT SHOWN OUTSIDE THE WORK LIMITS ARE TO REMAIN

2. ADHERED TO "DANE COUNTY BICYCLE WAYFINDING MANUAL" STANDARDS FOR NORTH MENDOTA TRAIL SIGNAGE

LEGEND

EXISTING SIGN MOUNTED ON POST(S) OR POLE

PROPOSED SIGN MOUNTED ON POST(S) OR POLE

XXX DENOTES SIGN NUMBER

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PERMANENT SIGNING - WOODLAND DR	SHEET 183	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\023201-PS.DWG
LAYOUT NAME - 34

PLOT DATE : 4/27/2023 4:49 PM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

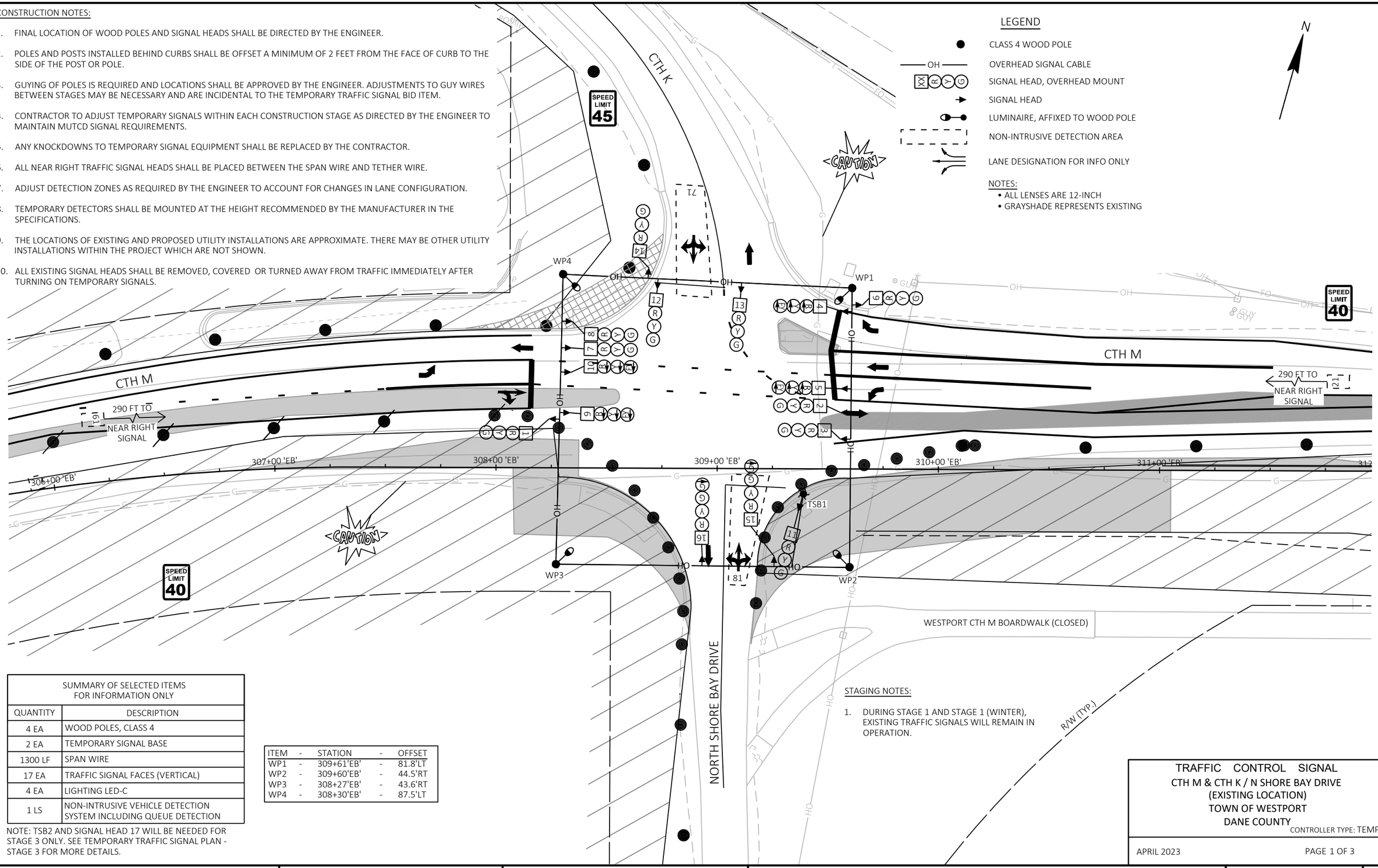
CONSTRUCTION NOTES:

1. FINAL LOCATION OF WOOD POLES AND SIGNAL HEADS SHALL BE DIRECTED BY THE ENGINEER.
2. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
3. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER. ADJUSTMENTS TO GUY WIRES BETWEEN STAGES MAY BE NECESSARY AND ARE INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL BID ITEM.
4. CONTRACTOR TO ADJUST TEMPORARY SIGNALS WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
5. ANY KNOCKDOWNS TO TEMPORARY SIGNAL EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
6. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
7. ADJUST DETECTION ZONES AS REQUIRED BY THE ENGINEER TO ACCOUNT FOR CHANGES IN LANE CONFIGURATION.
8. TEMPORARY DETECTORS SHALL BE MOUNTED AT THE HEIGHT RECOMMENDED BY THE MANUFACTURER IN THE SPECIFICATIONS.
9. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
10. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.

LEGEND

- CLASS 4 WOOD POLE
- OH — OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- SIGNAL HEAD
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING



SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY	
QUANTITY	DESCRIPTION
4 EA	WOOD POLES, CLASS 4
2 EA	TEMPORARY SIGNAL BASE
1300 LF	SPAN WIRE
17 EA	TRAFFIC SIGNAL FACES (VERTICAL)
4 EA	LIGHTING LED-C
1 LS	NON-INTRUSIVE VEHICLE DETECTION SYSTEM INCLUDING QUEUE DETECTION

NOTE: TSB2 AND SIGNAL HEAD 17 WILL BE NEEDED FOR STAGE 3 ONLY. SEE TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3 FOR MORE DETAILS.

ITEM	-	STATION	-	OFFSET
WP1	-	309+61'EB'	-	81.8'LT
WP2	-	309+60'EB'	-	44.5'RT
WP3	-	308+27'EB'	-	43.6'RT
WP4	-	308+30'EB'	-	87.5'LT

STAGING NOTES:

1. DURING STAGE 1 AND STAGE 1 (WINTER), EXISTING TRAFFIC SIGNALS WILL REMAIN IN OPERATION.

TRAFFIC CONTROL SIGNAL
CTH M & CTH K / N SHORE BAY DRIVE
(EXISTING LOCATION)
TOWN OF WESTPORT
DANE COUNTY
CONTROLLER TYPE: TEMP

APRIL 2023 PAGE 1 OF 3

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET 184	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS\024101-ST_STG 2.DWG
LAYOUT NAME - CTH M & CTH K-2
PLOT DATE : 4/19/2023 2:19 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- CLASS 4 WOOD POLE
- OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- SIGNAL HEAD
- TEMPORARY SIGNAL BASE
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

N

CTH K

SPEED LIMIT 45

SPEED LIMIT 40

CAUTION

WP1

WP2

WP3

WP4

TSB1

TSB2

OH

HO

306+00 'EB'

307+00 'EB'

308+00 'EB'

309+00 'EB'

310+00 'EB'

311+00 'EB'

290 FT TO STOP BAR

CTH M

WESTPORT CTH M BOARDWALK (CLOSED)

NORTH SHORE BAY DRIVE

R/W (TYP.)

TRAFFIC CONTROL SIGNAL
CTH M & CTH K / N SHORE BAY DRIVE
(EXISTING LOCATION)
TOWN OF WESTPORT
DANE COUNTY
CONTROLLER TYPE: TEMP

APRIL 2023

PAGE 2 OF 3

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3	SHEET 185	E

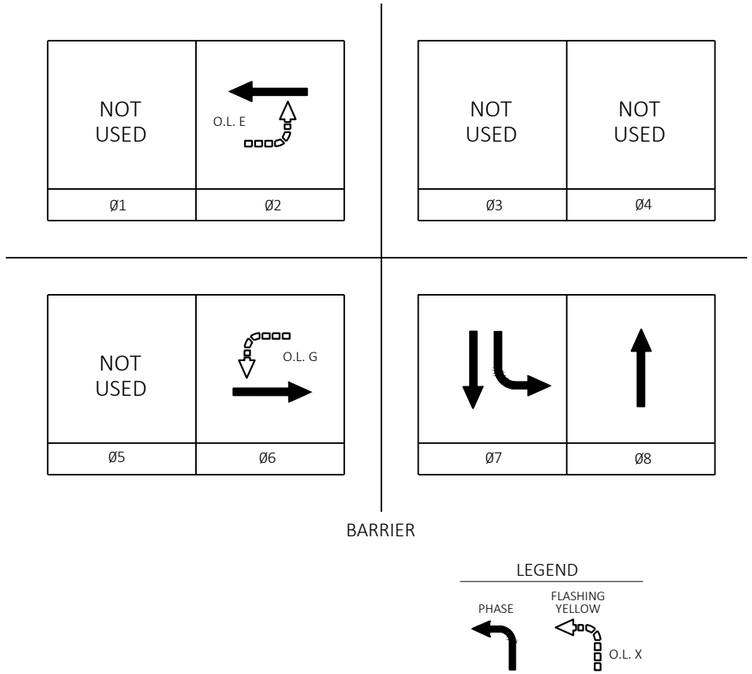
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS\024101-ST_STG 3.DWG
LAYOUT NAME - CTH M & CTH K-2

PLOT DATE : 4/19/2023 2:24 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	6,7,8	R
Ø3		
Ø4		
Ø5		
Ø6	1,2,3	R
Ø7	14,15,16,17	R
Ø8	11,12,13	R
O.L."E"	4,5	R
O.L."G"	9,10	R

O.L. ASSIGNMENTS
Ø2
Ø6



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W/Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	6	MIN	X
3				
4				
5				
6	X	2	MIN	X
7				X
8				X

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	21	61	71	81				
PHASE CALLED	2	6	7	8				
PHASE EXTENDED	2	6	7	8				
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	19	17	23	21	27	25	31	29
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	20	18	24	22	28	26	32	30
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

TYPE OF INTERCONNECT	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

TYPE OF REMOTE COMMUNICATION	
NONE	X
FIBER	
CELL MODEM	
PHONE	

TRAFFIC CONTROL SIGNAL
CTH M & CTH K / N SHORE BAY DRIVE
(EXISTING LOCATION)
TOWN OF WESTPORT
DANE COUNTY
CONTROLLER TYPE: TEMP

APRIL 2023 PAGE 3 OF 3

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL SEQUENCE OF OPERATIONS - STAGE 2 & 3	SHEET 186	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS\024101-ST_SOO.DWG
LAYOUT NAME - CTH M & K SOO (old loc)
PLOT DATE : 4/19/2023 2:10 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE :

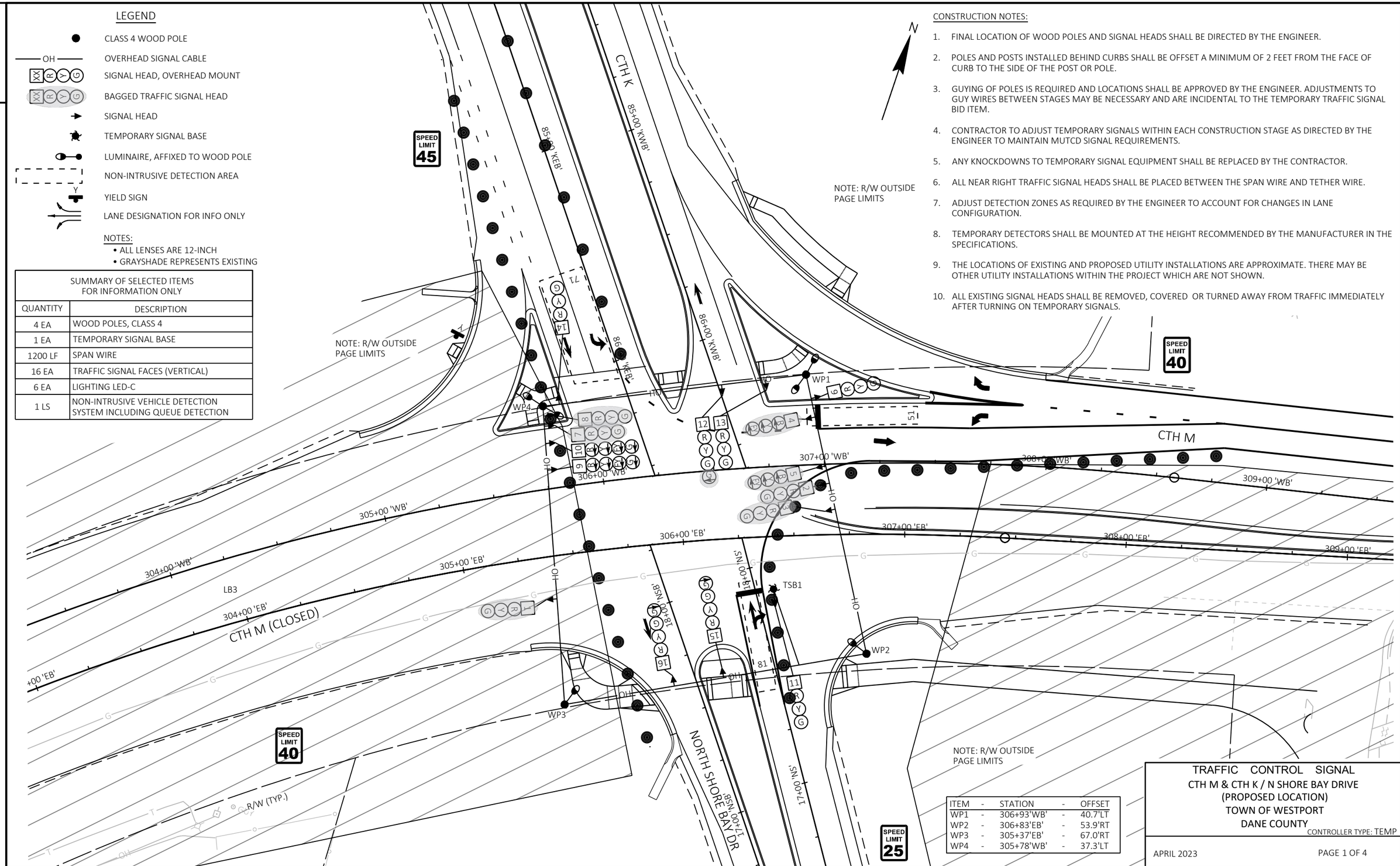
2

LEGEND

- CLASS 4 WOOD POLE
- OH — OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- SIGNAL HEAD
- TEMPORARY SIGNAL BASE
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- Y — YIELD SIGN
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY	
QUANTITY	DESCRIPTION
4 EA	WOOD POLES, CLASS 4
1 EA	TEMPORARY SIGNAL BASE
1200 LF	SPAN WIRE
16 EA	TRAFFIC SIGNAL FACES (VERTICAL)
6 EA	LIGHTING LED-C
1 LS	NON-INTRUSIVE VEHICLE DETECTION SYSTEM INCLUDING QUEUE DETECTION



NOTE: R/W OUTSIDE PAGE LIMITS

CONSTRUCTION NOTES:

1. FINAL LOCATION OF WOOD POLES AND SIGNAL HEADS SHALL BE DIRECTED BY THE ENGINEER.
2. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
3. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER. ADJUSTMENTS TO GUY WIRES BETWEEN STAGES MAY BE NECESSARY AND ARE INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL BID ITEM.
4. CONTRACTOR TO ADJUST TEMPORARY SIGNALS WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
5. ANY KNOCKDOWNS TO TEMPORARY SIGNAL EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
6. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
7. ADJUST DETECTION ZONES AS REQUIRED BY THE ENGINEER TO ACCOUNT FOR CHANGES IN LANE CONFIGURATION.
8. TEMPORARY DETECTORS SHALL BE MOUNTED AT THE HEIGHT RECOMMENDED BY THE MANUFACTURER IN THE SPECIFICATIONS.
9. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
10. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.

NOTE: R/W OUTSIDE PAGE LIMITS

ITEM	-	STATION	-	OFFSET
WP1	-	306+93'WB'	-	40.7'LT
WP2	-	306+83'EB'	-	53.9'RT
WP3	-	305+37'EB'	-	67.0'RT
WP4	-	305+78'WB'	-	37.3'LT

TRAFFIC CONTROL SIGNAL

CTH M & CTH K / N SHORE BAY DRIVE
(PROPOSED LOCATION)
TOWN OF WESTPORT
DANE COUNTY

CONTROLLER TYPE: TEMP

APRIL 2023

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4A	SHEET 187	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS\024101-ST_STG 4A.DWG
LAYOUT NAME - CTH M & CTH K-1

PLOT DATE : 4/21/2023 8:41 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

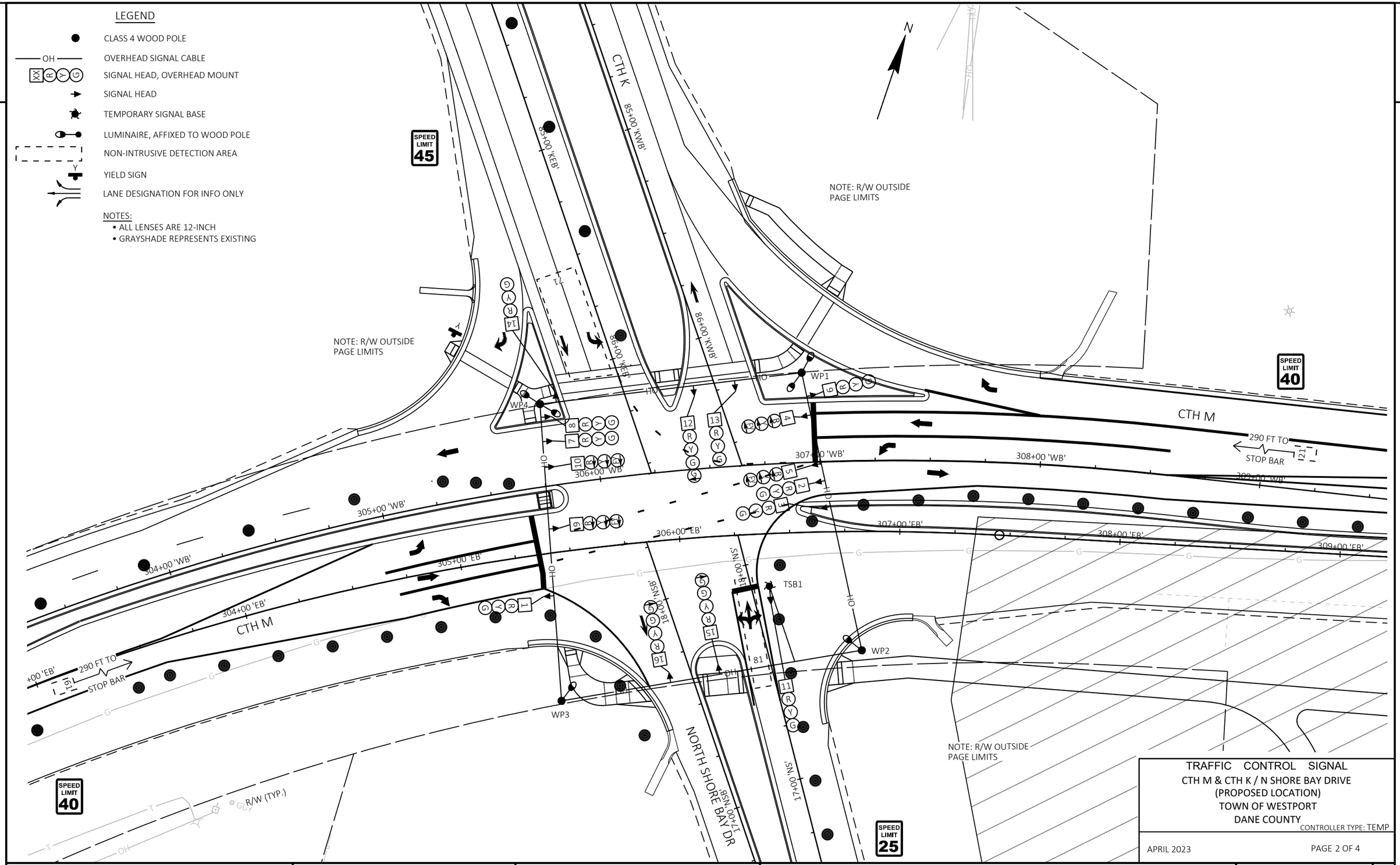
WISDOT/CADDS SHEET 42

2

LEGEND

- CLASS 4 WOOD POLE
- OH — OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- SIGNAL HEAD
- TEMPORARY SIGNAL BASE
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- Y — YIELD SIGN
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL

CTH M & CTH K / N SHORE BAY DRIVE
(PROPOSED LOCATION)
TOWN OF WESTPORT
DANE COUNTY

CONTROLLER TYPE: TEMP

APRIL 2023

PAGE 2 OF 4

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4B	SHEET 188 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS\024101-ST_STG 4B.DWG
LAYOUT NAME - CTH M & CTH K-1

PLOT DATE : 4/18/2023 8:54 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

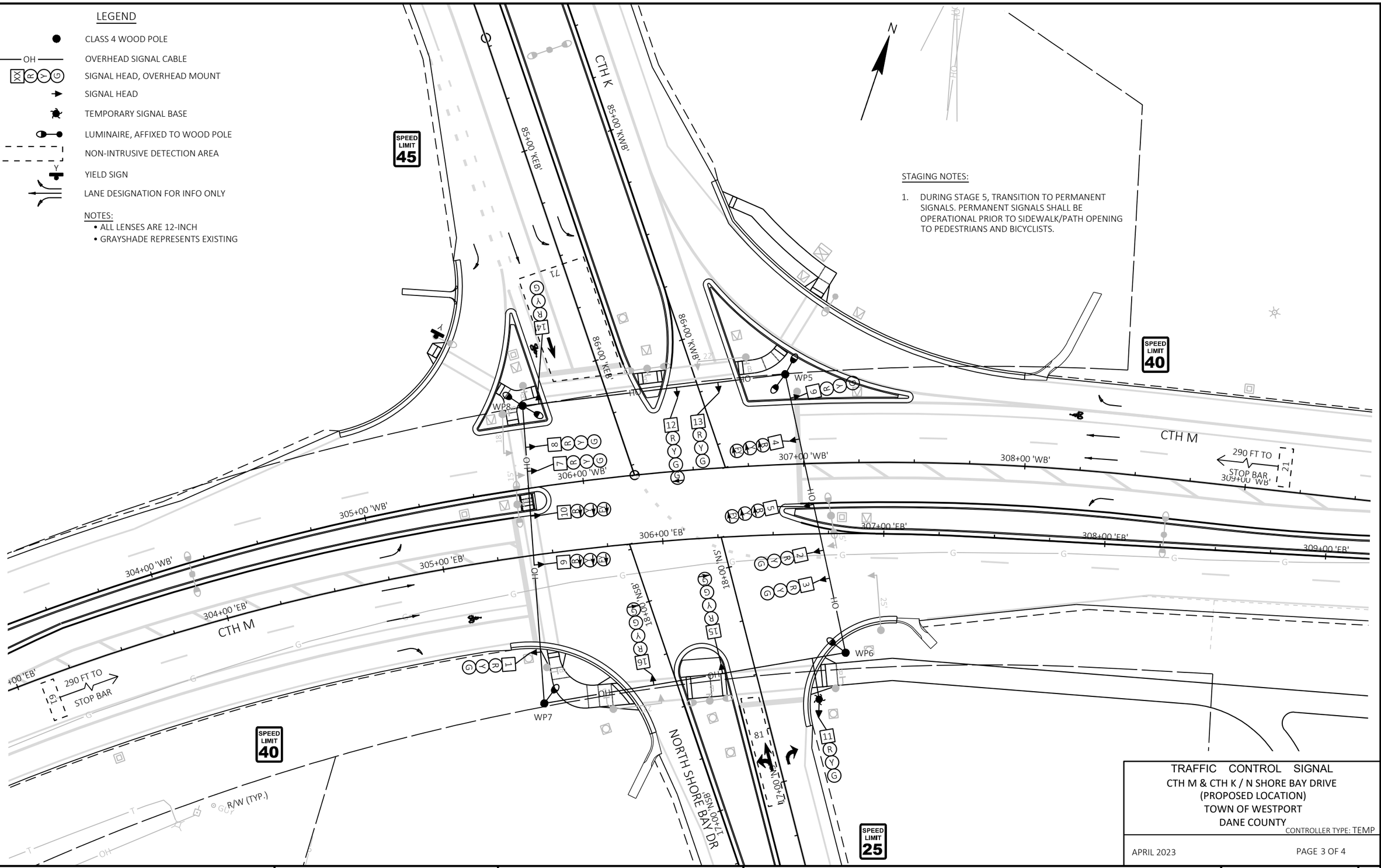
LEGEND

- CLASS 4 WOOD POLE
- OH — OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- SIGNAL HEAD
- TEMPORARY SIGNAL BASE
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- Y — YIELD SIGN
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

STAGING NOTES:

1. DURING STAGE 5, TRANSITION TO PERMANENT SIGNALS. PERMANENT SIGNALS SHALL BE OPERATIONAL PRIOR TO SIDEWALK/PATH OPENING TO PEDESTRIANS AND BICYCLISTS.



TRAFFIC CONTROL SIGNAL
CTH M & CTH K / N SHORE BAY DRIVE
(PROPOSED LOCATION)
TOWN OF WESTPORT
DANE COUNTY
CONTROLLER TYPE: TEMP

APRIL 2023 PAGE 3 OF 4

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 5/POSTCONSTRUCTION	SHEET 189	E

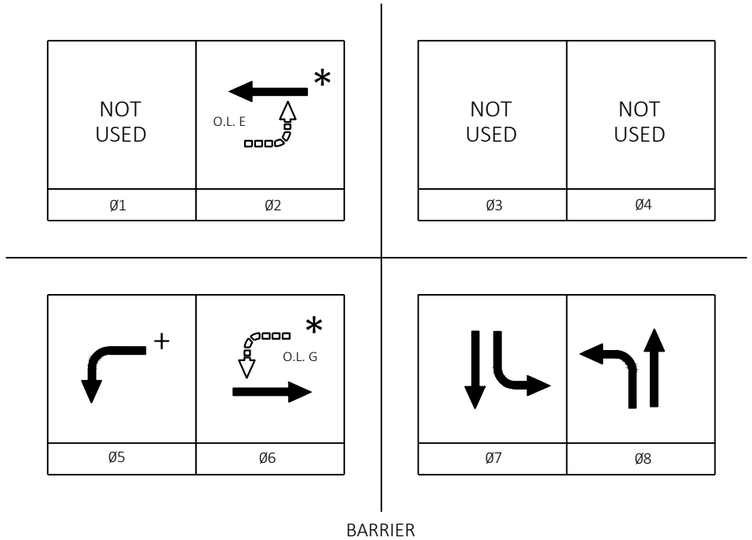
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS\024101-ST_STG 5.DWG
LAYOUT NAME - CTH M & CTH K-1

PLOT DATE : 4/19/2023 2:35 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	6,7,8	R
Ø3		
Ø4		
Ø5	9,10	
Ø6	1,2,3	R
Ø7	14,15,16	R
Ø8	11,12,13	R
O.L."E"	4,5	R
O.L."G"	9,10	R

O.L. ASSIGNMENTS
Ø2
Ø6

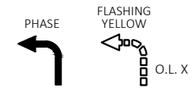


NOTES

* OMIT PHASE 2 & 6 DURING CONSTRUCTION STAGE 4A.

\+ PHASE 5 TO ONLY BE USED DURING STAGE 4A. OMIT DURING REMAINING STAGES.

LEGEND



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W/Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	6	MIN	X*
3				
4				
5				X+
6	X	2	MIN	X*
7				X
8				X

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	21*	51+	61*	71	81			
PHASE CALLED	2	5	6	7	8			
PHASE EXTENDED	2	5	6	7	8			
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	19	17	23	21	27	25	31	29
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	20	18	24	22	28	26	32	30
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

TYPE OF INTERCONNECT	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

TYPE OF REMOTE COMMUNICATION	
NONE	X
FIBER	
CELL MODEM	
PHONE	

TRAFFIC CONTROL SIGNAL

CTH M & CTH K / N SHORE BAY DRIVE (PROPOSED LOCATION)

TOWN OF WESTPORT

DANE COUNTY

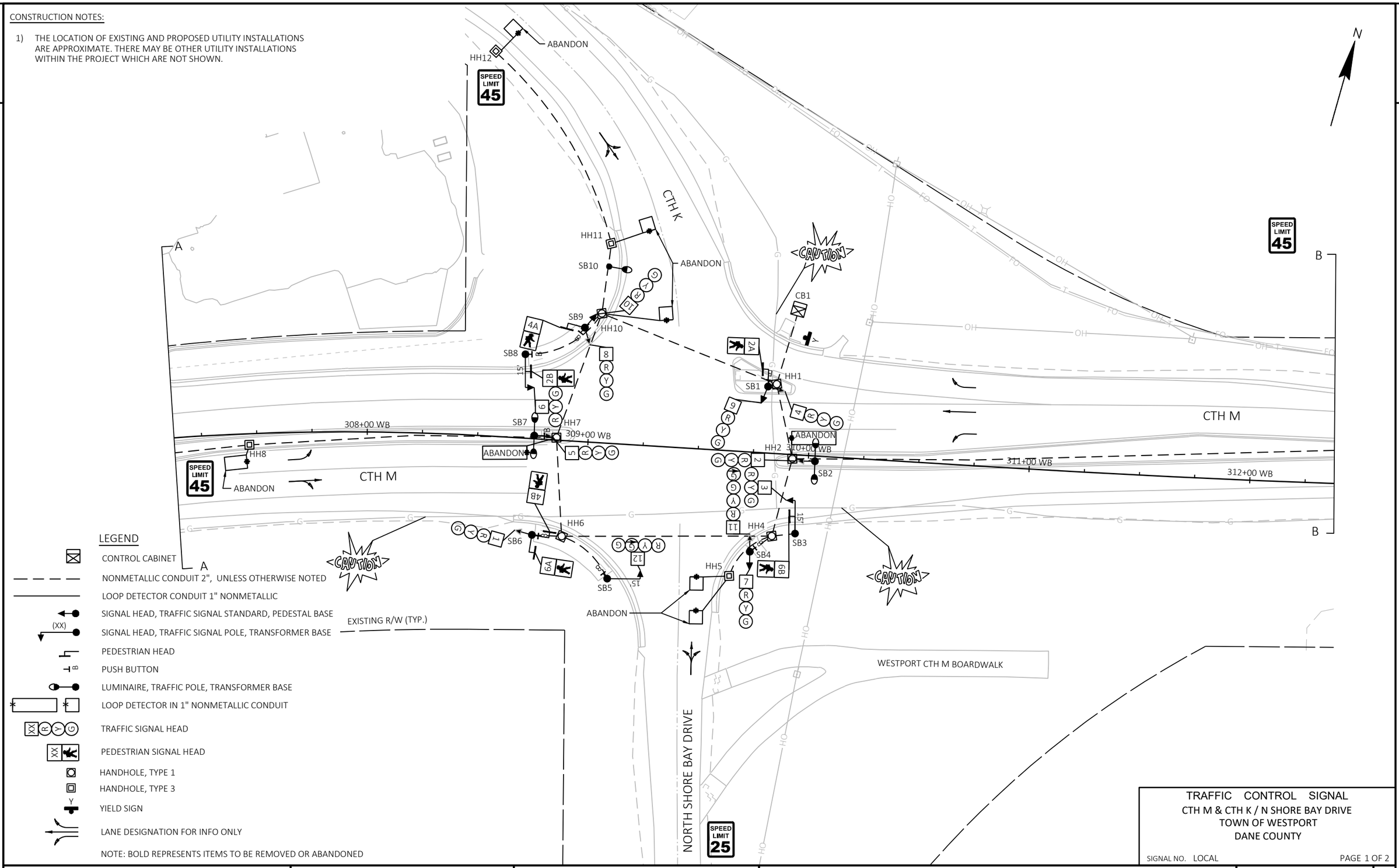
CONTROLLER TYPE: TEMP

APRIL 2023

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS\024101-ST_SOO.DWG
LAYOUT NAME - CTH M & K SOO (new loc)
PLOT DATE : 4/19/2023 2:10 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

CONSTRUCTION NOTES:

1) THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- HANDHOLE, TYPE 1
- HANDHOLE, TYPE 3
- YIELD SIGN
- LANE DESIGNATION FOR INFO ONLY

NOTE: BOLD REPRESENTS ITEMS TO BE REMOVED OR ABANDONED

TRAFFIC CONTROL SIGNAL
CTH M & CTH K / N SHORE BAY DRIVE
TOWN OF WESTPORT
DANE COUNTY

SIGNAL NO. LOCAL PAGE 1 OF 2

PROJECT NO:	HWY:	COUNTY:		SHEET	
5954-00-01	CTH M	DANE	TRAFFIC SIGNAL REMOVAL PLAN	191	E

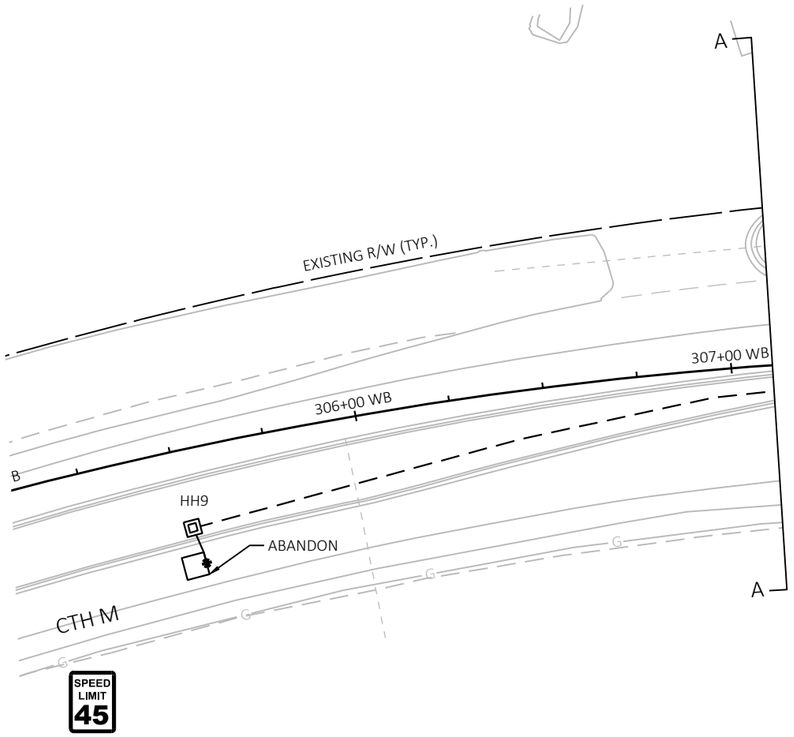
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - CTH M & CTH K

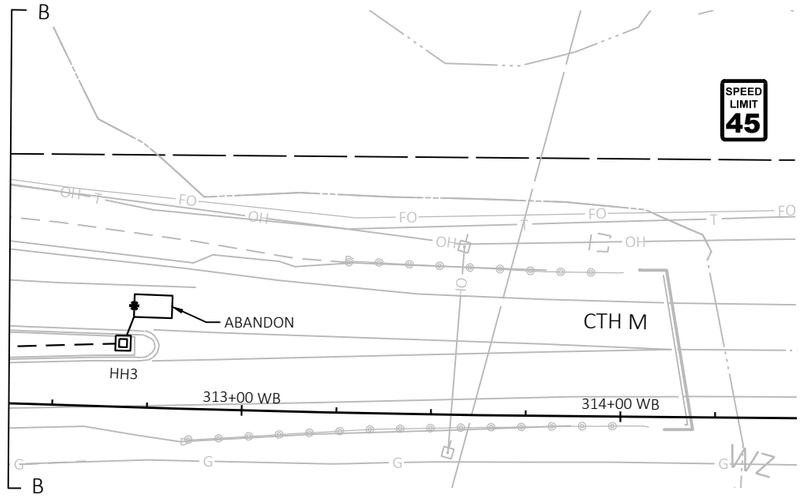
PLOT DATE : 4/21/2023 12:25 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N





TRAFFIC CONTROL SIGNAL
CTH M & CTH K / N SHORE BAY DRIVE
TOWN OF WESTPORT
DANE COUNTY

SIGNAL NO. LOCAL

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 192	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - CTH K Tails

PLOT DATE : 4/21/2023 12:26 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- CONTROL CABINET, CONCRETE CONTROL CABINET BASE TYPE P
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, TYPE 1 BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TYPE 2 BASE
- LUMINAIRE, TRAFFIC POLE, TYPE 5 BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD
- PEDESTRIAN PUSH BUTTON
- PEDESTRIAN SIGNAL HEAD
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- HANDHOLE, TYPE 1
- HANDHOLE, TYPE 3
- HANDHOLE, TYPE 5
- LANE DESIGNATION FOR INFO ONLY

NOTE:
1. ALL LENSES ARE 12-INCH
2. GRAYSHADE REPRESENTS EXISTING ITEMS
3. PAVEMENT MARKINGS SHOWN IN GRAYSHADE FOR CLARITY.

CONSTRUCTION NOTES:

1) * LOCATION IS TO FRONT OF CENTER OF DETECTOR LOOP.
2) THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED. PULL WIRE IS REQUIRED FOR ALL CONDUIT RUNS AS PER STANDARD SPECIFICATIONS.
3) THE LOCATIONS OF UTILITY FACILITIES SHOWN ON THE SHEET PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
4) THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH UTILITY FACILITIES.
5) NOTIFY THE CITY OF MADISON AT LEAST FIVE DAYS PRIOR TO NEW CABINET AND CONTROLLER INSTALLATION AT (608) 267-1960.

PEDESTRIAN CROSSING SIGN/BUTTON SUMMARY			
BASE NUMBER	SIGN CODE	BUTTON DIRECTION	SIGN TO FACE
SB4	R10-3ER	RIGHT	NORTH
SB5	R10-3ED	DOUBLE	NORTH
SB6	R10-3EL	LEFT	NORTH
SB7	R10-3ER	RIGHT	EAST
SB8	R10-3ED	DOUBLE	EAST
SB9	R10-3EL	LEFT	EAST
SB10	R10-3ER	RIGHT	SOUTH
SB11	R10-3ED	DOUBLE	SOUTH
SB12	R10-3EL	LEFT	SOUTH

NOTE: R/W OUTSIDE PAGE LIMITS

NOTE: R/W OUTSIDE PAGE LIMITS

NOTE: R/W OUTSIDE PAGE LIMITS

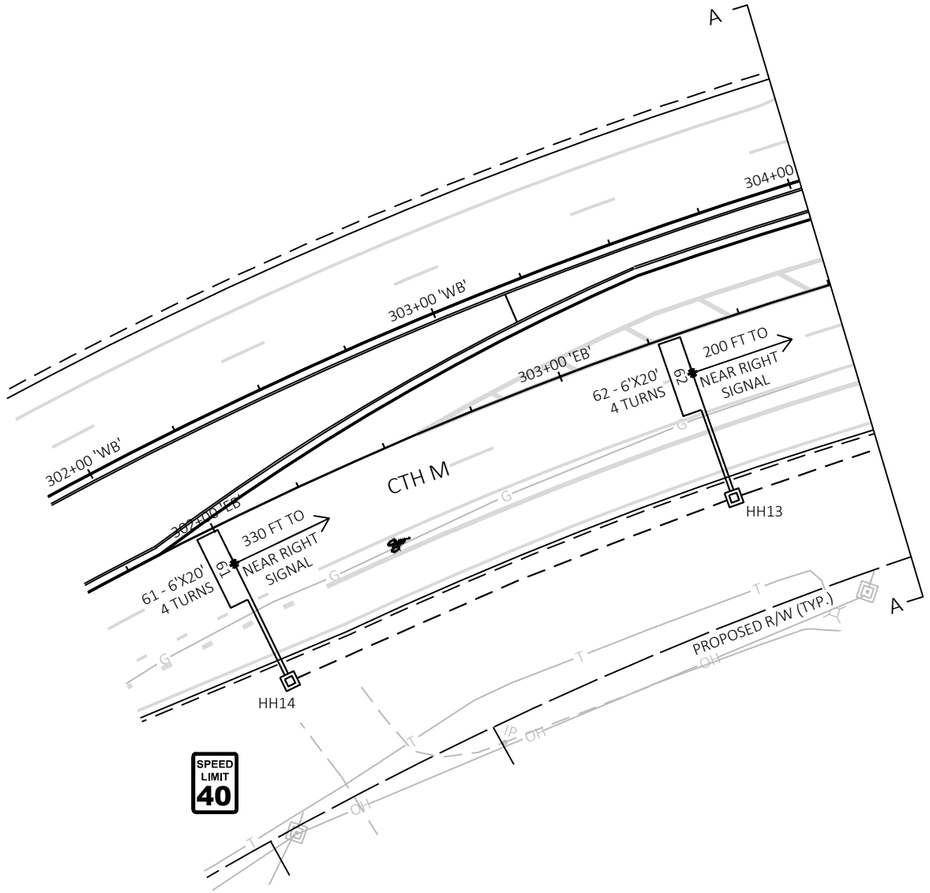
TRAFFIC CONTROL SIGNAL
CTH M & CTH K / N SHORE BAY DRIVE
TOWN OF WESTPORT
DANE COUNTY

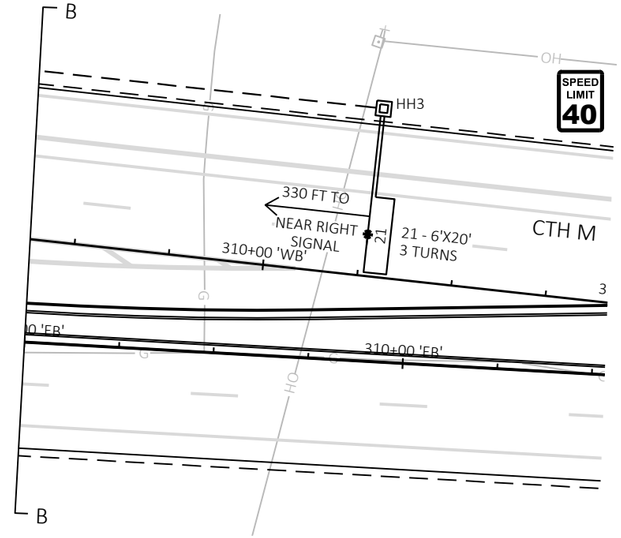
CABINET TYPE: TS2 CONTROLLER TYPE: COBALT
DESIGNED BY: KL ENGINEERING
REVISED BY:
PAGE 1 OF 4

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 193	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - CTH M & CTH K
PLOT DATE : 4/21/2023 3:06 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2





TRAFFIC CONTROL SIGNAL
CTH M & CTH K / N SHORE BAY DRIVE
TOWN OF WESTPORT
DANE COUNTY

CABINET TYPE: TS2 CONTROLLER TYPE: COBALT

DESIGNED BY: KL ENGINEERING
REVISED BY:

PAGE 2 OF 4

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 194	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - CTH K Tails

PLOT DATE : 4/21/2023 3:07 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	7,8,9	R
Ø3		
Ø4		
Ø5		
Ø6	1,2,3	R
Ø7	17,18,19,20	R
Ø8	13,14,15,16	R
Ø2 PED	2A,2B	
Ø6 PED	6A,6B	
Ø7 PED	7A,7B	

O.L. ASSIGNMENTS		
O.L."E"	4,5,6	R
O.L."G"	10,11,12	R

NOT USED	O.L. E	NOT USED	NOT USED
Ø1	Ø2	Ø3	Ø4
NOT USED	O.L. G		
Ø5	Ø6	Ø7	Ø8

BARRIER

LEGEND

PHASE | OVERLAP (O.L. X) | FLASHING YELLOW (O.L. X)

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W/Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	6	MIN	X
3				
4				
5				
6	X	2	MIN	X
7				X
8				X

N

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
PREEMPTION CHANNEL	1	2	3	4
MOVEMENT				
DIRECTION	EB	WB	SB	NB
PHASE	6	2	7	8

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	X
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF REMOTE COMMUNICATION	
NONE	X
FIBER	
CELL MODEM	
PHONE	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X

TYPE OF INTERCONNECT	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	FUTURE	21	FUTURE	61	71	73	75	81
PHASE CALLED	2	2	6	6	7	7	7	8
PHASE EXTENDED	2	2	6	6	7	7	7	8
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	19	17	23	21	27	25	31	29
DETECTOR #(S)	83							
PHASE CALLED	8							
PHASE EXTENDED	8							
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)	FUTURE	22	FUTURE	62	72	74	76	82
PHASE CALLED	2	2	6	6	7	7	7	8
PHASE EXTENDED	2	2	6	6	7	7	7	8
DISCONNECT TIME								
CALLING DELAY								X
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	20	18	24	22	28	26	32	30
DETECTOR #(S)	84							
PHASE CALLED	8							
PHASE EXTENDED	8							
DISCONNECT TIME								
CALLING DELAY	X							
EXTENSION STRETCH								
LOOP FUNCTION								

TRAFFIC CONTROL SIGNAL

CTH M & CTH K / N SHORE BAY DRIVE
TOWN OF WESTPORT
DANE COUNTY

CABINET TYPE: TS2 CONTROLLER TYPE: COBALT

DESIGNED BY: KL ENGINEERING
REVISED BY:

PAGE 3 OF 4

PROJECT NO: 5954-00-01 | HWY: CTH M | COUNTY: DANE | TRAFFIC SIGNAL PLAN | SHEET 195 | E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - CTH K SOO

PLOT DATE : 4/21/2023 3:07 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 42

PROJECT NO:	S9S4-00-01
INTERSECTION:	CTH M & CTH K / N SHORE BAY DRIVE

SIGNAL WIRE	BLK-BLACK	RED-RED	GRN-GREEN
COLOR CODING	WHT-WHITE	BLU-BLUE	ORG-ORANGE

DATE	18-Apr

CB1 TO	AWG 14 # OF COND.	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
				RED	YELLOW	GREEN	<RED>	<YELLOW>	<FLASH YEL>	<GREEN>	DWALK	WALK		
SB1	12	S	O.L."E"				RED/BLK	ORG/BLK	BLK/WHT					
		7	2	RED	ORG	GRN								
SB2	1S	2	6	RED	ORG	GRN								
		6	O.L."E"				RED/BLK	ORG/BLK	BLK/WHT					
		10	O.L."G"				RED/WHT	BLU/BLK	BLK					
SB3	9	3	6	RED	ORG	GRN								
SB4	9	14	8	RED	ORG	GRN								
		6B	6								BLK	BLU		
SBS	12	13	8	RED	ORG	GRN				GRN				
		19	7	RED/BLK	ORG/BLK	GRN/BLK				GRN/BLK				
SB6	9	20	7	RED	ORG	GRN				GRN				
		6A	6								BLK	BLU		
SB7	12	1	6	RED	ORG	GRN								
		11	O.L."G"				RED/BLK	ORG/BLK	BLK/WHT					
		7B	7								BLK	BLU		
SB8	15	4	O.L."E"				RED/BLK	ORG/BLK	BLK/WHT					
		8	2	RED	ORG	GRN								
		12	O.L."G"				RED/WHT	BLU/BLK	BLK					
SB9	9	9	2	RED	ORG	GRN								
		7A	7								BLK	BLU		
SB10	9	18	7	RED	ORG	GRN								
		2B	2								BLK	BLU		
SB11	12	1S	8	RED	ORG	GRN				GRN				
		17	7	RED/BLK	ORG/BLK	GRN/BLK				GRN/BLK				
SB12	9	16	8	RED	ORG	GRN								
		2A	2								BLK	BLU		

EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SBS	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	CB1

LOOP DETECTOR LEAD IN CABLE	
FROM	TO
CB1	SB4 BUTTON
CB1	SB5 BUTTON
CB1	SB6 BUTTON
CB1	SB7 BUTTON
CB1	SB8 BUTTON
CB1	SB9 BUTTON
CB1	SB10 BUTTON
CB1	SB11 BUTTON
CB1	SB12 BUTTON

TRAFFIC SIGNAL EVP DETECTOR CABLE		
HEAD	FROM	TO
A	CB1	SB2
B	CB1	SB9
C	CB1	SB6
D	CB1	SB12

LIGHTING UF 10 AWG W/ GROUND	
FROM	TO
CB1	SB11
SB11	SB15
SB11	SB17
CB1	SB8
SB8	SB14
SB8	SB5
CB1	SB16
SB16	SB2
SB2	SB13

NOTES:

1) USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.

2) ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS.

TRAFFIC CONTROL SIGNAL
CTH M & CTH K / N SHORE BAY DRIVE
TOWN OF WESTPORT
DANE COUNTY

CABINET TYPE: TS2 CONTROLLER TYPE: COBALT

DESIGNED BY: KL ENGINEERING
REVISED BY:

PAGE 4 OF 4

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 196	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - CTH K Cable Routing

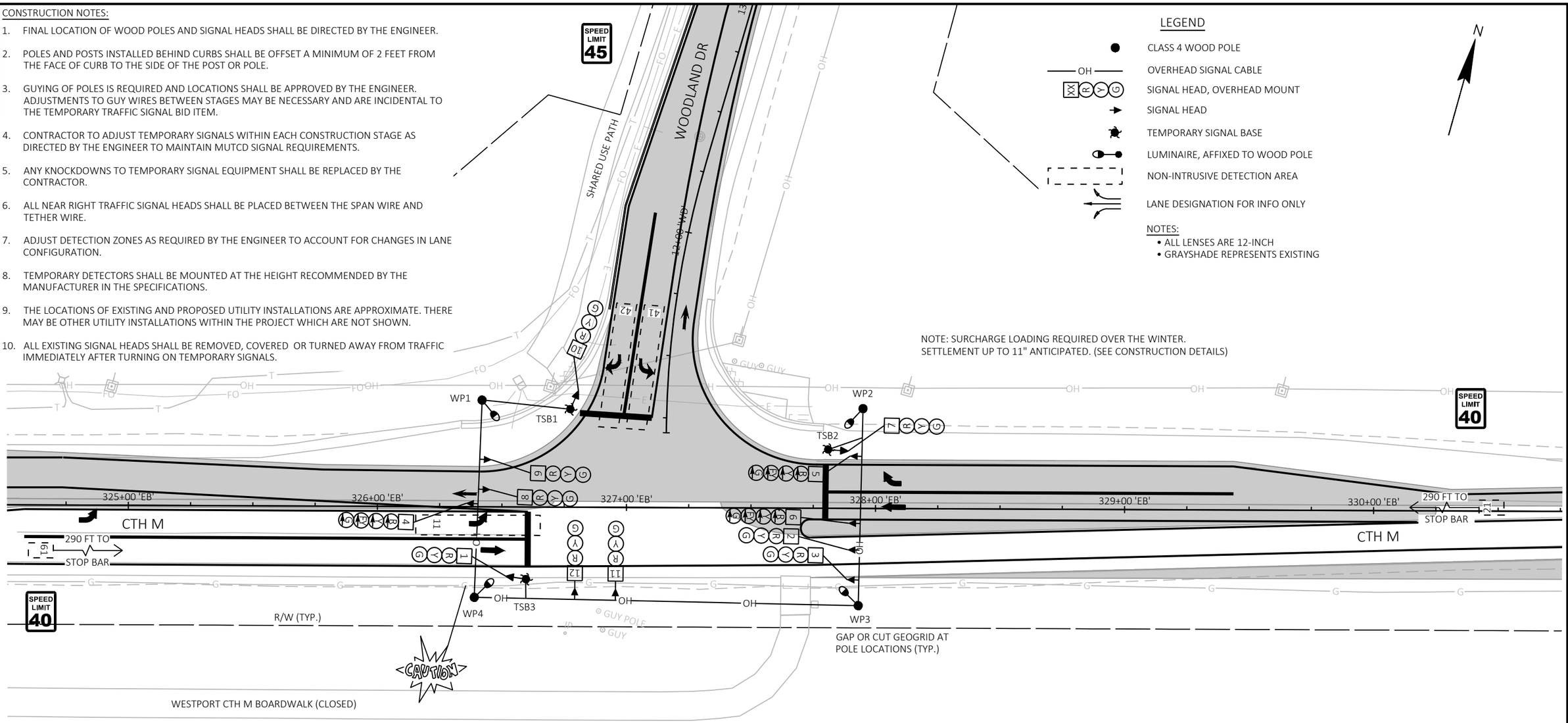
PLOT DATE : 4/21/2023 3:07 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 42

2

CONSTRUCTION NOTES:

1. FINAL LOCATION OF WOOD POLES AND SIGNAL HEADS SHALL BE DIRECTED BY THE ENGINEER.
2. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
3. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER. ADJUSTMENTS TO GUY WIRES BETWEEN STAGES MAY BE NECESSARY AND ARE INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL BID ITEM.
4. CONTRACTOR TO ADJUST TEMPORARY SIGNALS WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
5. ANY KNOCKDOWNS TO TEMPORARY SIGNAL EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
6. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
7. ADJUST DETECTION ZONES AS REQUIRED BY THE ENGINEER TO ACCOUNT FOR CHANGES IN LANE CONFIGURATION.
8. TEMPORARY DETECTORS SHALL BE MOUNTED AT THE HEIGHT RECOMMENDED BY THE MANUFACTURER IN THE SPECIFICATIONS.
9. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
10. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.



SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY	
QUANTITY	DESCRIPTION
4 EA	WOOD POLES, CLASS 4
3 EA	TEMPORARY SIGNAL BASE
1150 LF	SPAN WIRE
12 EA	TRAFFIC SIGNAL FACES (VERTICAL)
4 EA	LIGHTING LED-C
1 LS	NON-INTRUSIVE VEHICLE DETECTION SYSTEM INCLUDING QUEUE DETECTION

NOTE: ADDITIONAL OVERHEAD SPAN WIRE IS INCLUDED TO ACCOMMODATE ADDITIONAL WOOD POLES IN FUTURE TRAFFIC CONTROL STAGES.

ITEM	-	STATION	-	OFFSET
WP1	-	326+42'EB'	-	42.8'LT
WP2	-	327+95'EB'	-	40.1'LT
WP3	-	327+93'EB'	-	39.0'RT
WP4	-	326+39'EB'	-	36.3'RT

TRAFFIC CONTROL SIGNAL
CTH M & WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY

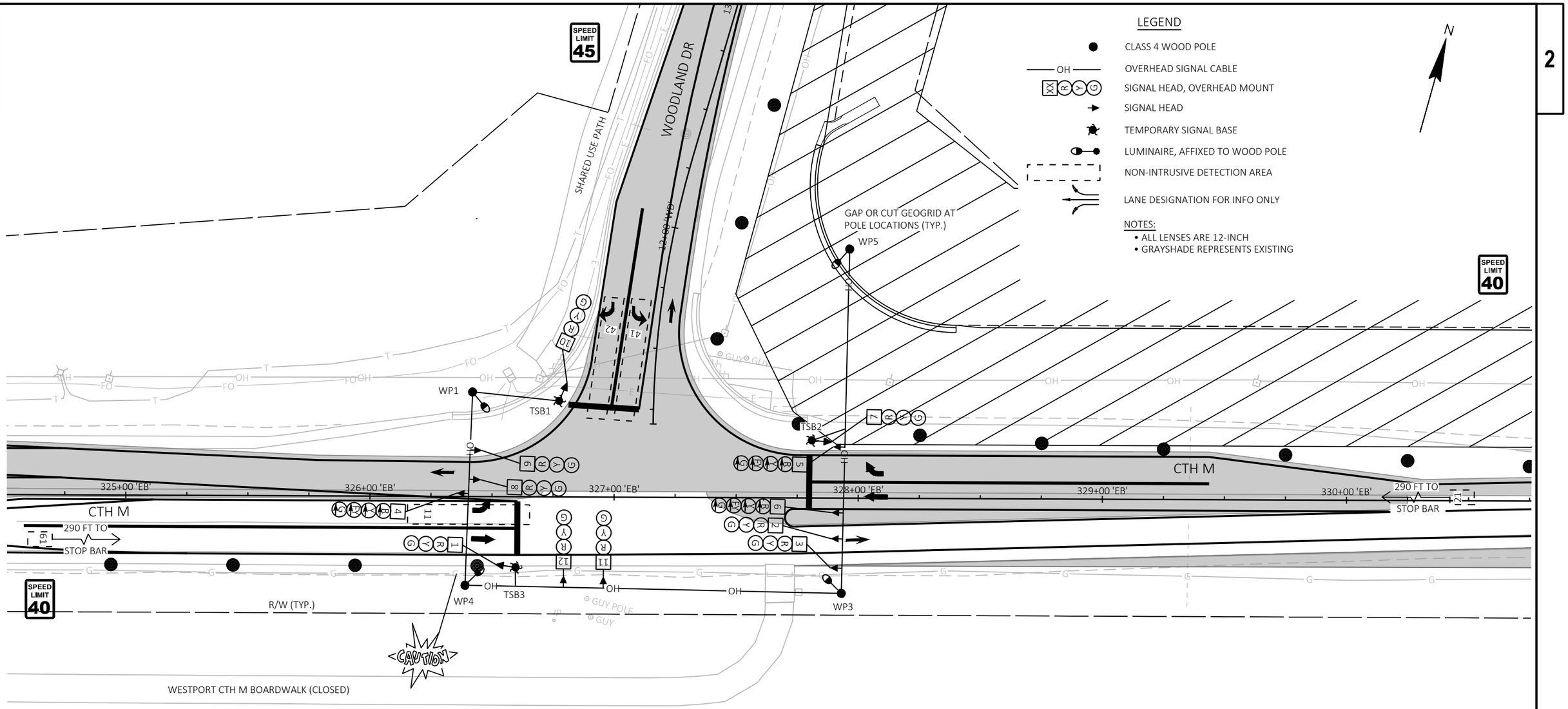
CONTROLLER TYPE: TEMP

APRIL 2023 PAGE 1 OF 6

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - PRECONSTRUCTION & STAGE 1 (WINTER)	SHEET 197	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS\024101-ST_STG 1 WINTER.DWG
LAYOUT NAME - CTH M & Woodland Dr
PLOT DATE : 4/19/2023 2:14 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY		
EXIST	NEW	DESCRIPTION
4 EA	1 EA	WOOD POLES, CLASS 4
3 EA	0 EA	TEMPORARY SIGNAL BASE
1150 LF	0 LF*	SPAN WIRE
12 EA	0 EA	TRAFFIC SIGNAL FACES (VERTICAL)
4 EA	1 EA	LIGHTING LED-C
1 LS	0 LS	NON-INTRUSIVE VEHICLE DETECTION SYSTEM INCLUDING QUEUE DETECTION

* ADDITIONAL OVERHEAD SPAN WIRE NEEDED IN THIS STAGE FOR WP5 INSTALLATION WAS ACCOUNTED FOR IN STAGE 1 QUANTITIES.

ITEM	-	STATION	-	OFFSET
WP5	-	327+96'EB'	-	96.5'LT

TRAFFIC CONTROL SIGNAL
CTH M & WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY

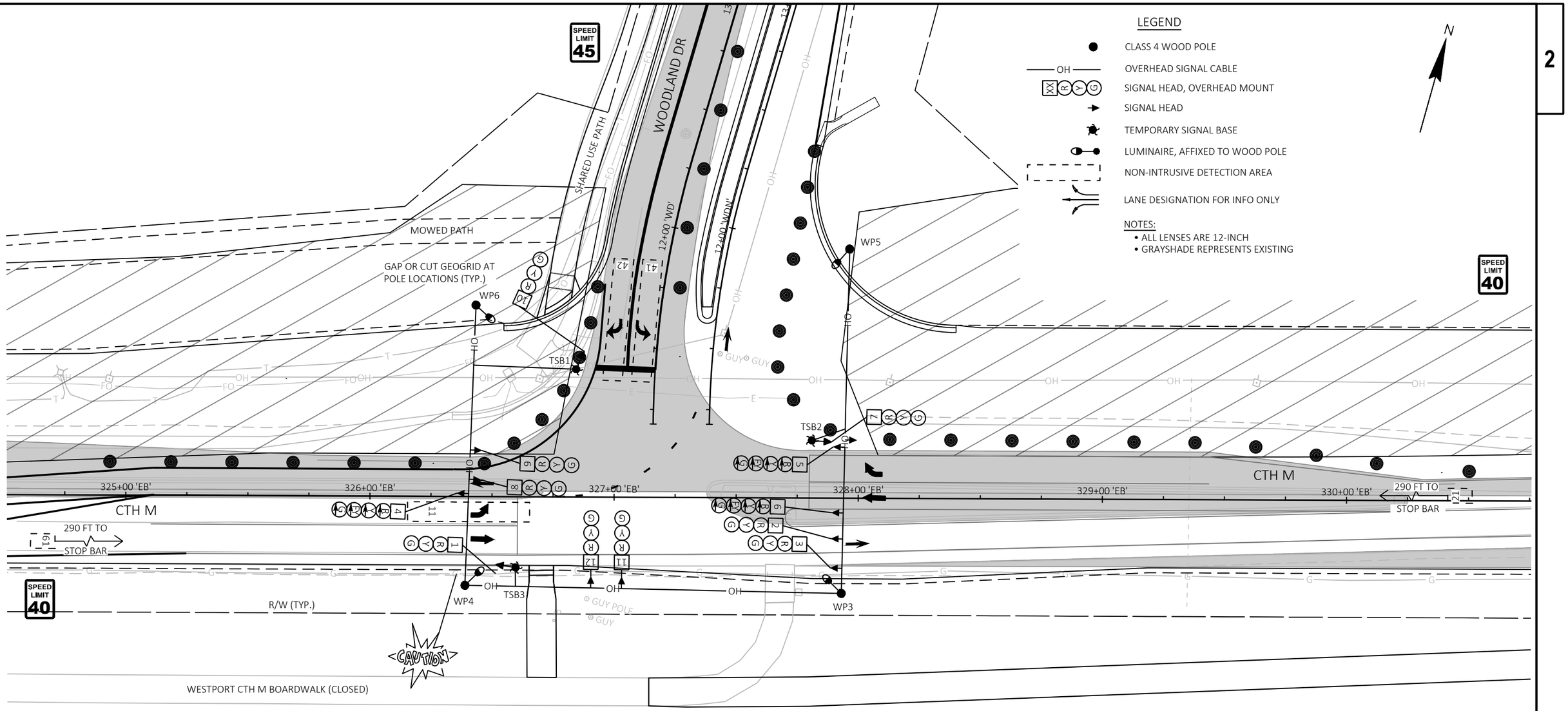
CONTROLLER TYPE: TEMP

APRIL 2023

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET 198	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS\024101-ST_STG 2.DWG
LAYOUT NAME - CTH M & Woodland Dr
PLOT DATE : 4/19/2023 2:19 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY		
EXIST	NEW	DESCRIPTION
5 EA	1 EA	WOOD POLES, CLASS 4
3 EA	0 EA	TEMPORARY SIGNAL BASE
1150 LF	0 LF*	SPAN WIRE
12 EA	0 EA	TRAFFIC SIGNAL FACES (VERTICAL)
5 EA	1 EA	LIGHTING LED-C
1 LS	0 LS	NON-INTRUSIVE VEHICLE DETECTION SYSTEM INCLUDING QUEUE DETECTION

* ADDITIONAL OVERHEAD SPAN WIRE NEEDED IN THIS STAGE FOR WP6 INSTALLATION WAS ACCOUNTED FOR IN STAGE 1 QUANTITIES.

ITEM	-	STATION	-	OFFSET
WP6	-	326+43'EB'	-	78.3'LT

TRAFFIC CONTROL SIGNAL
CTH M & WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY

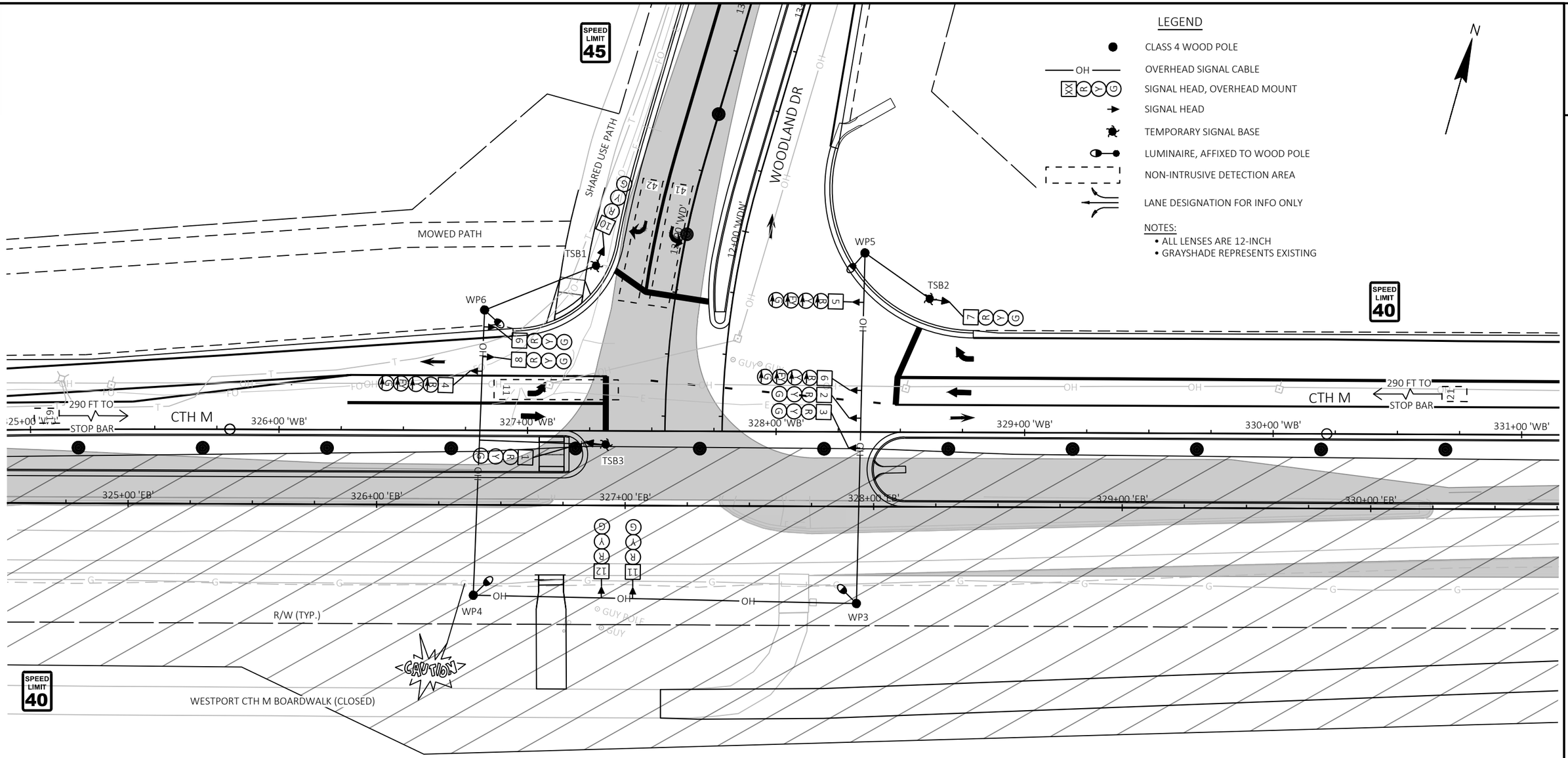
CONTROLLER TYPE: TEMP

APRIL 2023

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3	SHEET 199	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS\024101-ST_STG 3.DWG
LAYOUT NAME - CTH M & Woodland Dr
PLOT DATE : 4/19/2023 2:24 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



CONSTRUCTION NOTE:

CONSTRUCTION VEHICLES AND EQUIPMENT SHALL NOT BE PARKED IN A LOCATION THAT WOULD BLOCK THE VIEW OF SIGNAL HEADS 11 &12.

TRAFFIC CONTROL SIGNAL
CTH M & WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY

CONTROLLER TYPE: TEMP

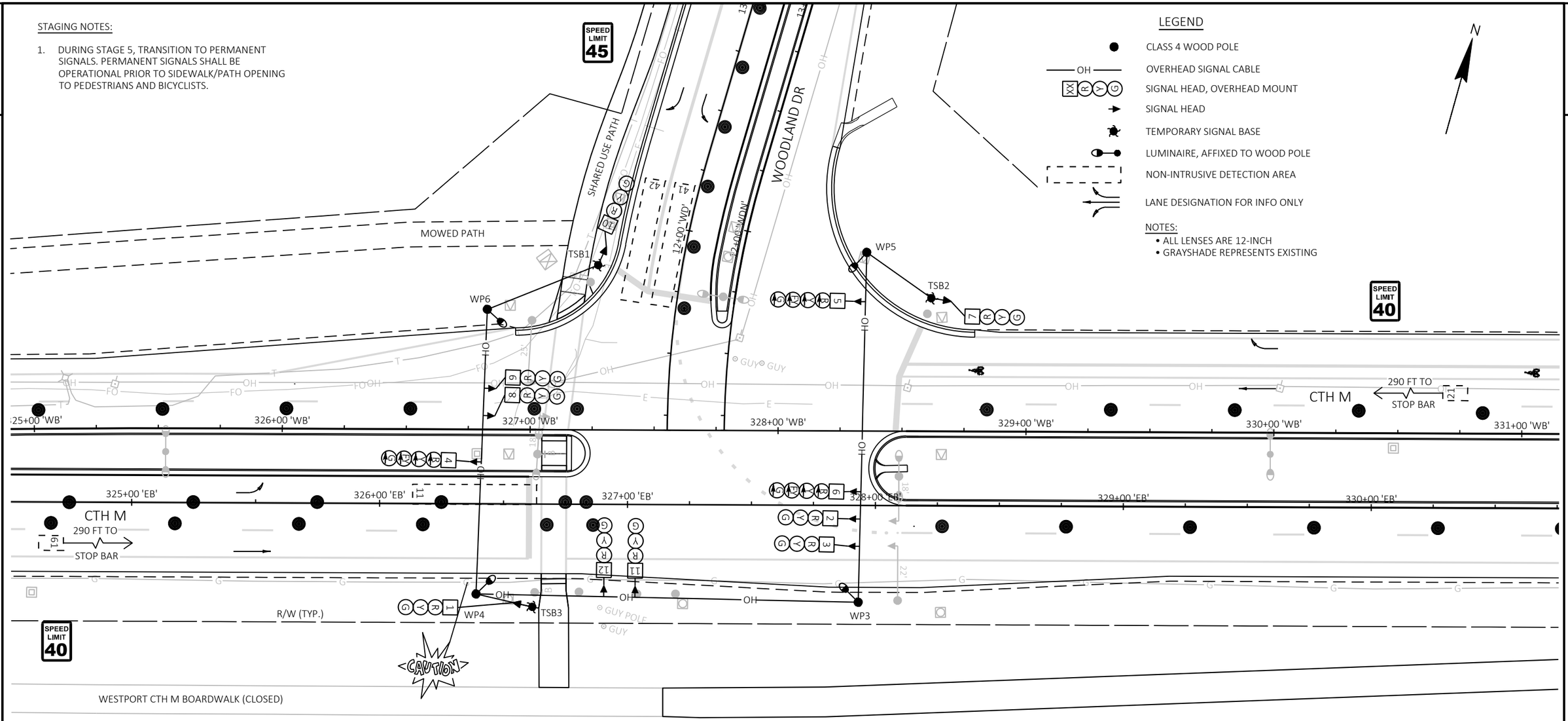
APRIL 2023 PAGE 4 OF 6

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4A & 4B	SHEET 200	E

2

STAGING NOTES:

1. DURING STAGE 5, TRANSITION TO PERMANENT SIGNALS. PERMANENT SIGNALS SHALL BE OPERATIONAL PRIOR TO SIDEWALK/PATH OPENING TO PEDESTRIANS AND BICYCLISTS.



TRAFFIC CONTROL SIGNAL
CTH M & WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY

CONTROLLER TYPE: TEMP

APRIL 2023 PAGE 5 OF 6

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 5/POSTCONSTRUCTION	SHEET 201	E

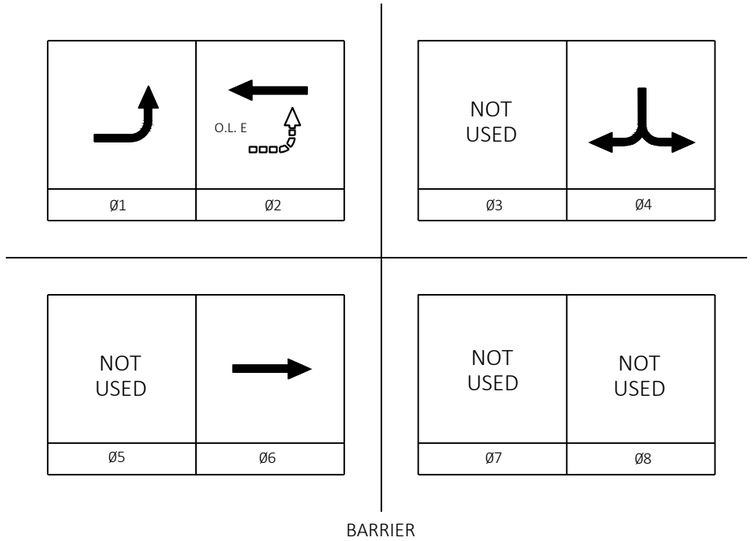
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS\024101-ST_STG 5.DWG
LAYOUT NAME - CTH M & Woodland Dr

PLOT DATE : 4/19/2023 2:35 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

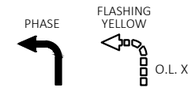
WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	4,5,6	
Ø2	7,8,9	R
Ø3		
Ø4	10,11,12	R
Ø5		
Ø6	1,2,3	R
Ø7		
Ø8		

O.L. ASSIGNMENTS	
O.L."E"	Ø2



LEGEND



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W/Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3				
4				X
5				
6	X	2	MIN	X
7				
8				

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF INTERCONNECT	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

TYPE OF REMOTE COMMUNICATION	
NONE	X
FIBER	
CELL MODEM	
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	11	21	41	61				
PHASE CALLED	1	2	4	6				
PHASE EXTENDED	1	2	4	6				
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								DETECTOR #(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)			42					
PHASE CALLED			4					
PHASE EXTENDED			4					
DISCONNECT TIME								
CALLING DELAY			X					
EXTENSION STRETCH								
LOOP FUNCTION								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								DETECTOR #(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

TRAFFIC CONTROL SIGNAL
CTH M & WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY

CONTROLLER TYPE: TEMP

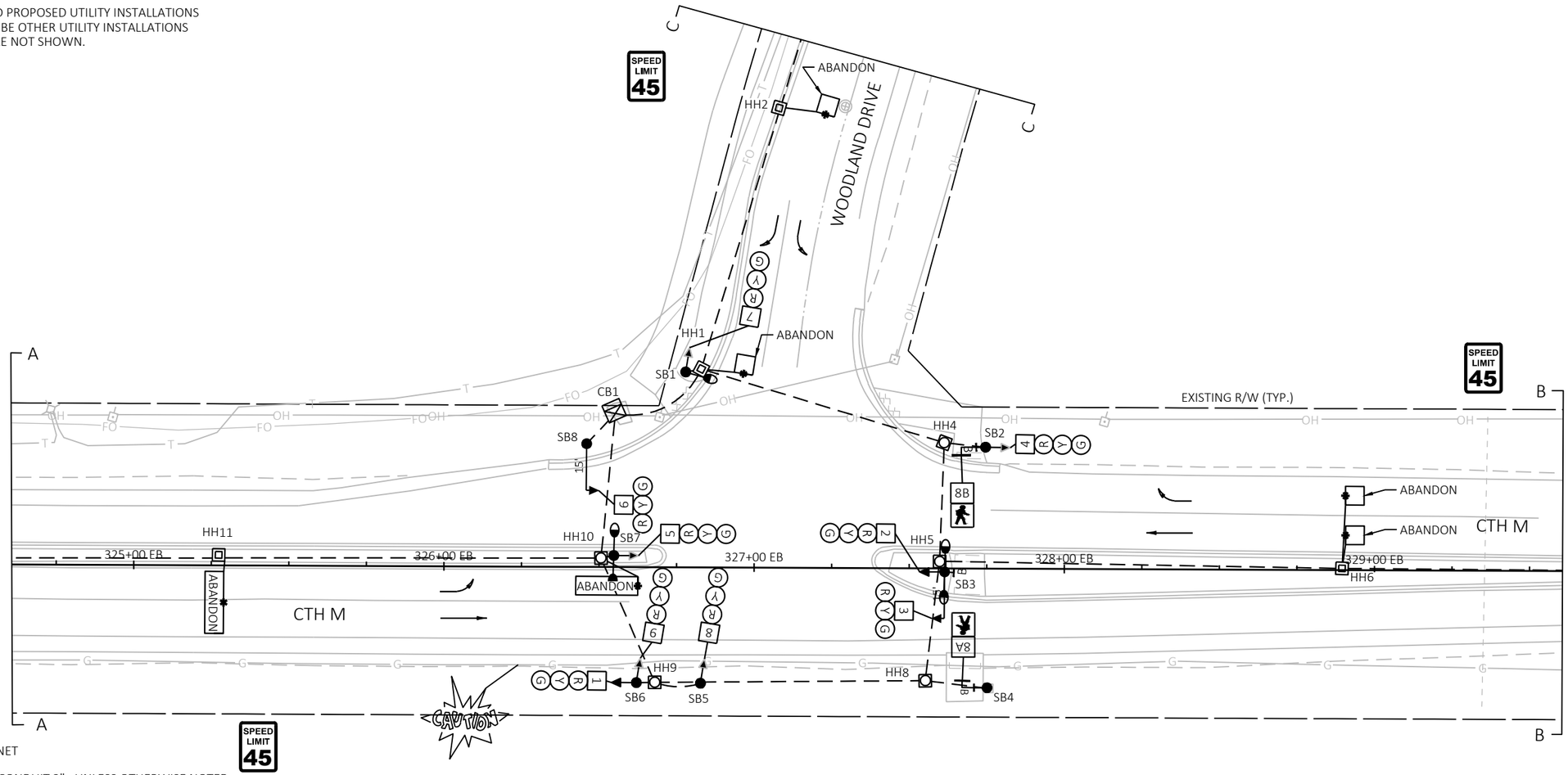
APRIL 2023

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL SEQUENCE OF OPERATIONS	SHEET 202	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS\024101-ST_SOO.DWG
LAYOUT NAME - CTH M & Woodland SOO
PLOT DATE : 4/19/2023 2:10 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 42

CONSTRUCTION NOTES:

1) THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- HANDHOLE, TYPE 1
- HANDHOLE, TYPE 3
- LANE DESIGNATION FOR INFO ONLY

NOTE: BOLD REPRESENTS ITEMS TO BE REMOVED OR ABANDONED

TRAFFIC CONTROL SIGNAL
CTH M & WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY

SIGNAL NO. LOCAL PAGE 1 OF 2

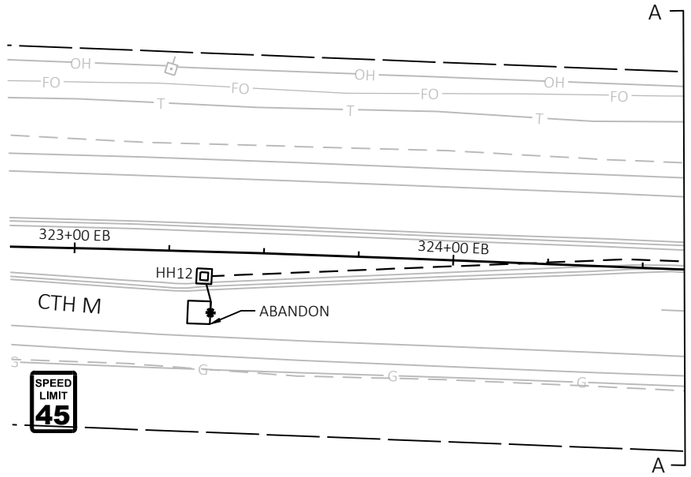
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 203	E

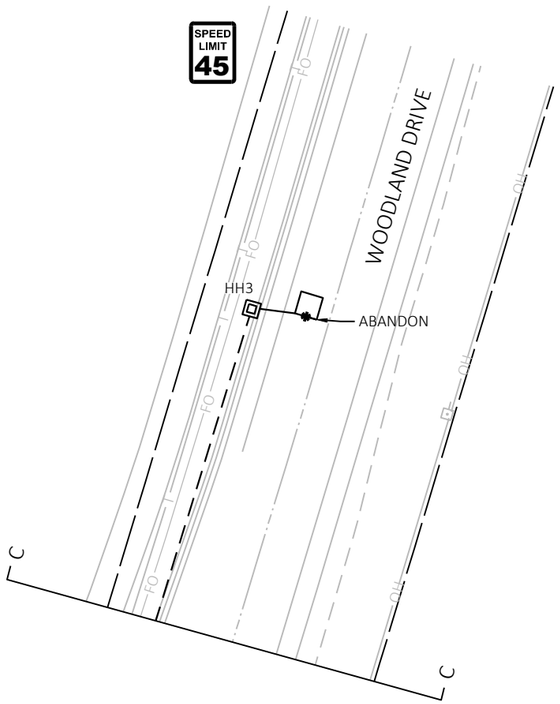
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - CTH M & Woodland Dr

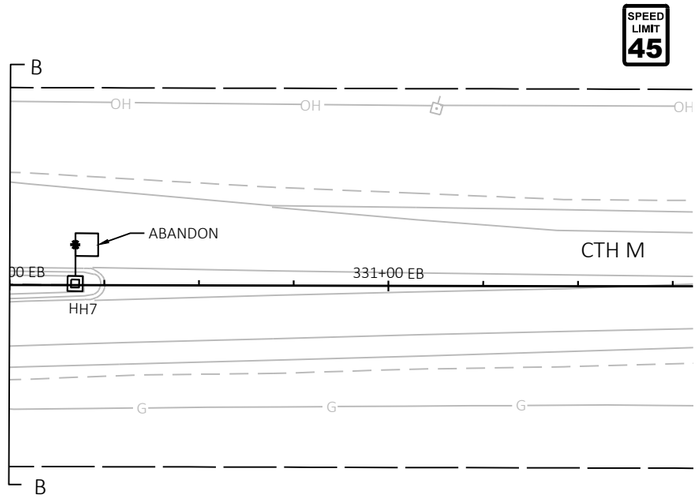
PLOT DATE : 4/21/2023 12:26 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2







TRAFFIC CONTROL SIGNAL
CTH M & WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY

SIGNAL NO. LOCAL

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 204	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - Woodland Dr Tails

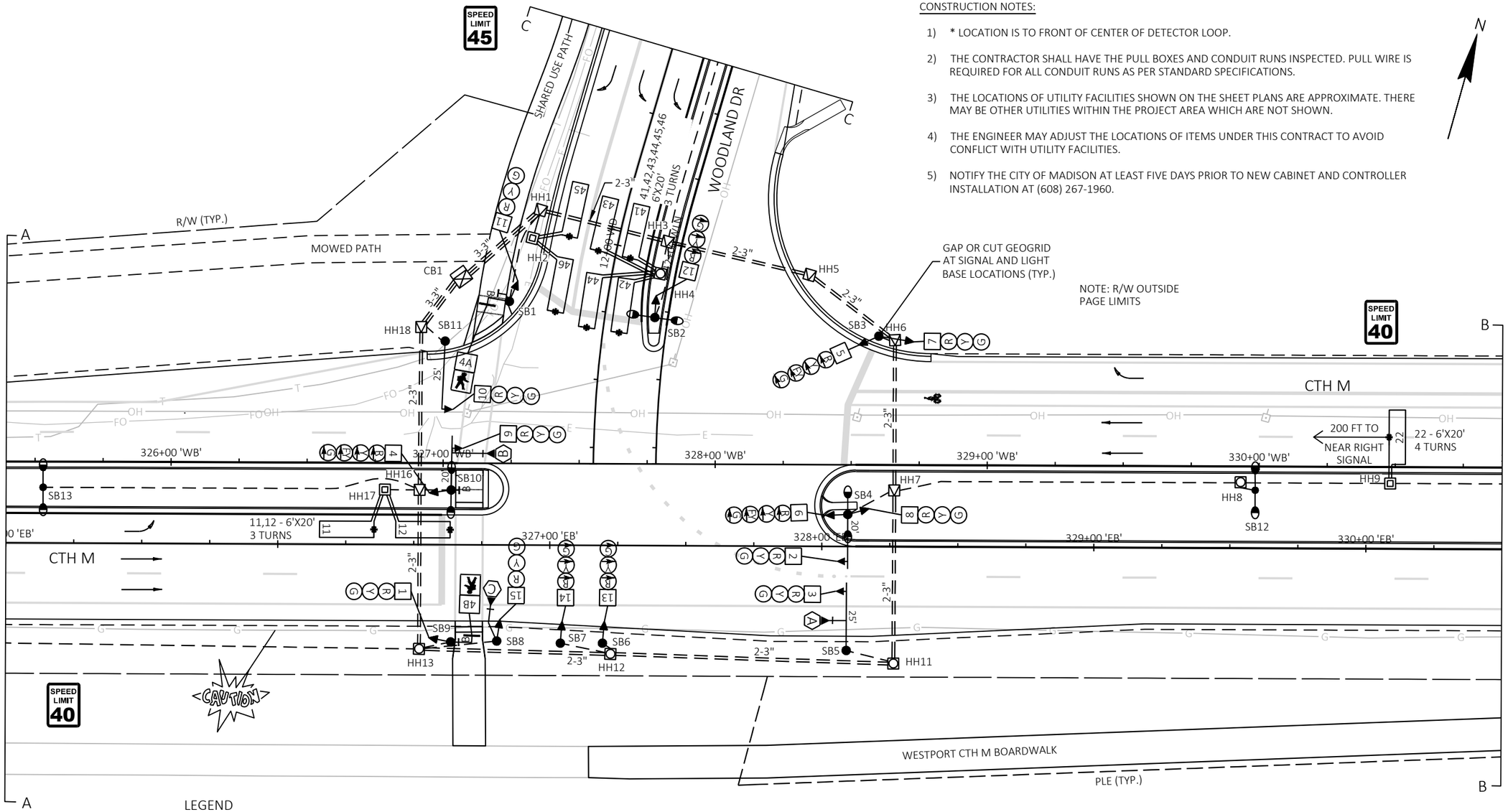
PLOT DATE : 4/21/2023 12:26 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

CONSTRUCTION NOTES:

1) * LOCATION IS TO FRONT OF CENTER OF DETECTOR LOOP.
2) THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED. PULL WIRE IS REQUIRED FOR ALL CONDUIT RUNS AS PER STANDARD SPECIFICATIONS.
3) THE LOCATIONS OF UTILITY FACILITIES SHOWN ON THE SHEET PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
4) THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH UTILITY FACILITIES.
5) NOTIFY THE CITY OF MADISON AT LEAST FIVE DAYS PRIOR TO NEW CABINET AND CONTROLLER INSTALLATION AT (608) 267-1960.



LEGEND

- CONTROL CABINET, CONCRETE CONTROL CABINET BASE TYPE P
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, TYPE 1 BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TYPE 2 BASE
- LUMINAIRE, TRAFFIC POLE, TYPE 5 BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- LANE DESIGNATION FOR INFO ONLY
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD
- PEDESTRIAN PUSH BUTTON
- PEDESTRIAN SIGNAL HEAD
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- HANDHOLE, TYPE 1
- HANDHOLE, TYPE 3
- HANDHOLE, TYPE 5

NOTE:
1. ALL LENSES ARE 12-INCH
2. PAVEMENT MARKINGS SHOWN IN GRAYSHADE FOR CLARITY

PEDESTRIAN CROSSING SIGN/BUTTON SUMMARY			
BASE NUMBER	SIGN CODE	BUTTON DIRECTION	SIGN TO FACE
SB1	R10-3ER	RIGHT	WEST
SB9	R10-3ED	DOUBLE	EAST
SB10	R10-3ER	RIGHT	EAST

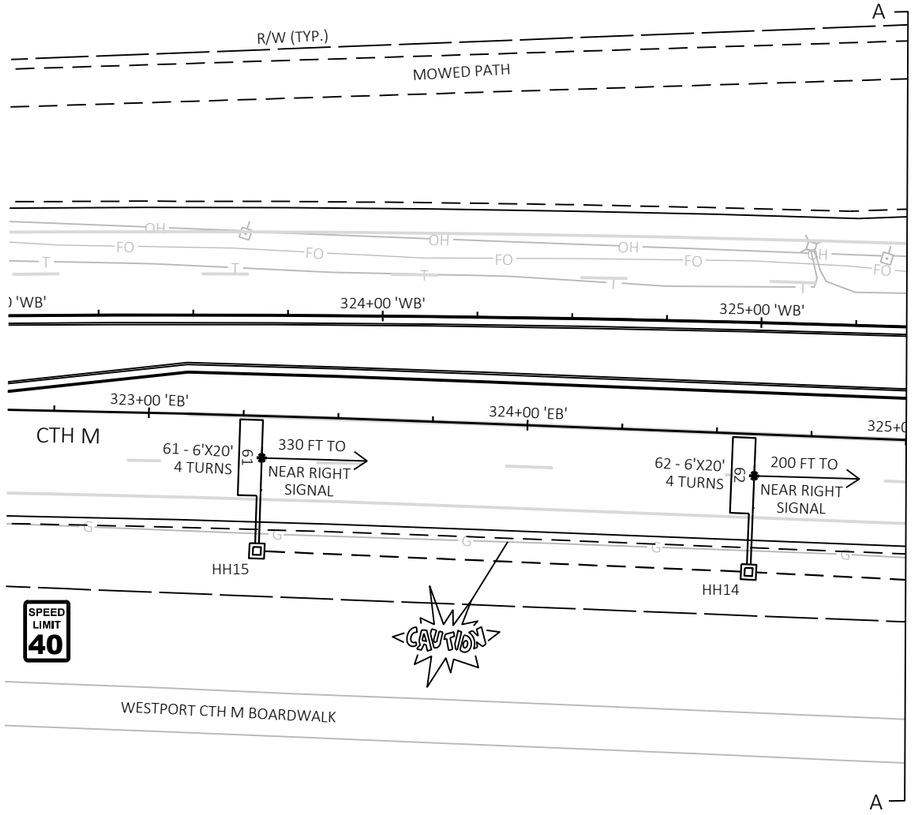
TRAFFIC CONTROL SIGNAL
CTH M & WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY

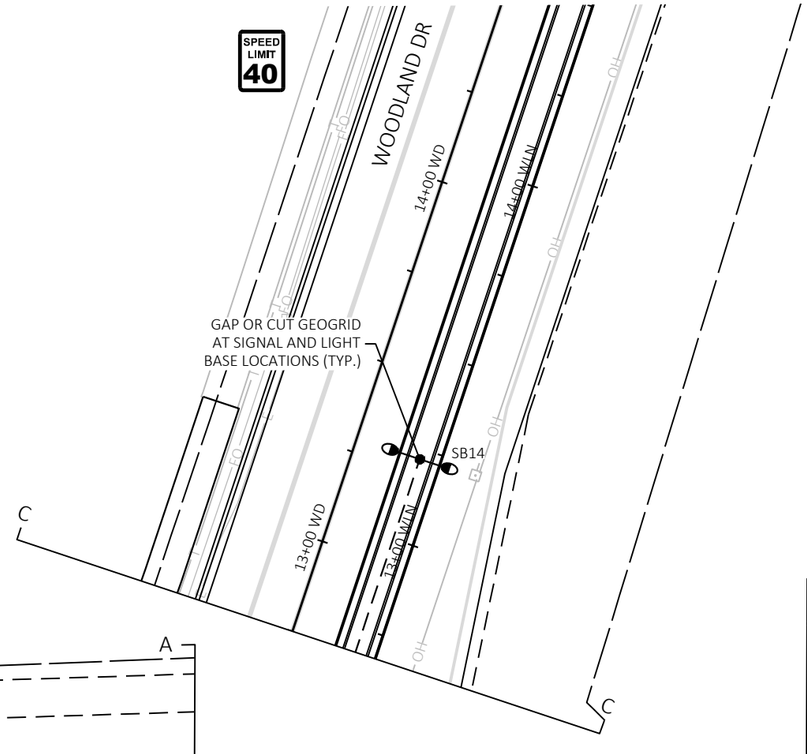
CABINET TYPE: TS2 CONTROLLER TYPE: COBALT
DESIGNED BY: KL ENGINEERING
REVISED BY:
PAGE 1 OF 4

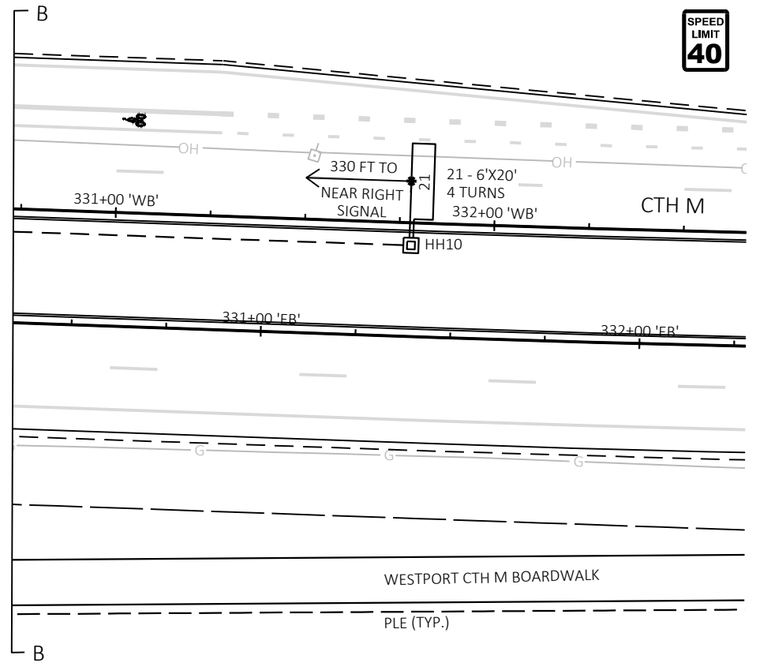
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 205	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - CTH M & Woodland Dr
PLOT DATE : 4/21/2023 3:07 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2







TRAFFIC CONTROL SIGNAL
CTH M & WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY

CABINET TYPE: TS2 CONTROLLER TYPE: COBALT

DESIGNED BY: KL ENGINEERING
REVISED BY:

PAGE 2 OF 4

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 206	E

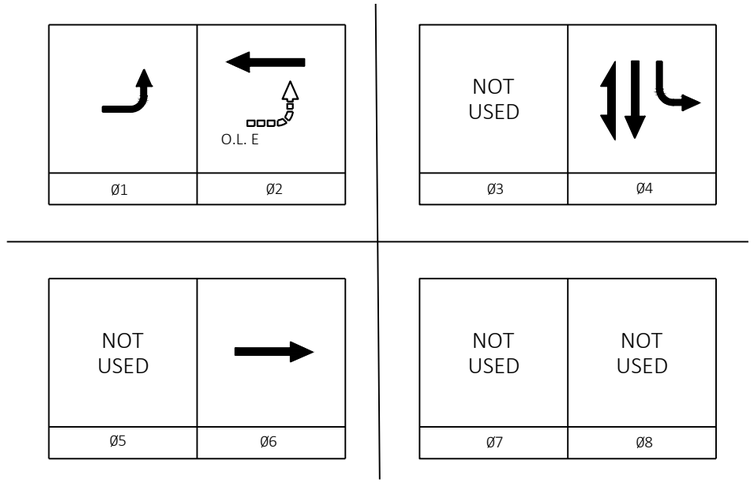
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - Woodland Dr Tails

PLOT DATE : 4/21/2023 3:08 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

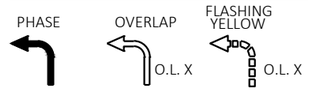
	HEAD NUMBERS	FLASH
Ø1	4,5,6	—
Ø2	7,8,9,10	R
Ø3		
Ø4	11,12,13,14,15	R
Ø5		
Ø6	1,2,3	R
Ø7		
Ø8		
Ø2 PED		
Ø4 PED	4A,4B	
Ø6 PED		
Ø8 PED		

O.L. ASSIGNMENTS	
O.L. E	Ø2



BARRIER

LEGEND



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W /Ø	PHASE RECALL	PHASE ACTIVE
1				X
2	X	6	MIN	X
3				
4				X
5				
6	X	2	MIN	X
7				
8				

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C
PREEMPTION CHANNEL	1	2	3
MOVEMENT	→	←	↓
DIRECTION	EB	WB	SB
PHASE	6	2	4

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	X
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF REMOTE COMMUNICATION	
NONE	X
FIBER	
CELL MODEM	
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	11	21	41	43	45	61		
PHASE CALLED	1	2	4	4	4	6		
PHASE EXTENDED	1	2	4	4	4	6		
DISCONNECT TIME								
CALLING DELAY				X				
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	19	17	23	21	27	25	31	29
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)	12	22	42	44	46	62		
PHASE CALLED	1	2	4	4	4	6		
PHASE EXTENDED	1	2	4	4	4	6		
DISCONNECT TIME								
CALLING DELAY					X			
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	20	18	24	22	28	26	32	30
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X

TYPE OF INTERCONNECT	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

TRAFFIC CONTROL SIGNAL
CTH M & WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY

CABINET TYPE: TS2 CONTROLLER TYPE: COBALT

DESIGNED BY: KL ENGINEERING
REVISED BY:

PAGE 3 OF 4

PROJECT NO: 5954-00-01 | HWY: CTH M | COUNTY: DANE | TRAFFIC SIGNAL PLAN | SHEET 207 | E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - Woodland Dr SOO

PLOT DATE : 4/21/2023 3:08 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 42

2

PROJECT NO:	S9S4-00-01
INTERSECTION:	CTH M & WOODLAND DRIVE

SIGNAL WIRE	BLK-BLACK	RED-RED	GRN-GREEN
COLOR CODING	WHT-WHITE	BLU-BLUE	ORG-ORANGE

DATE	18-Apr

CB1 TO	AWG 14 # OF COND.	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
				RED	YELLOW	GREEN	<RED>	<YELLOW>	<FLASH YEL>	<GREEN>	DWALK	WALK		
SB1	9	11	4	RED	ORG	GRN								
		4A	4								BLK	BLU		
SB2	9	12	4				RED	ORG	GRN					
SB3	12	5	1/O.L."E"				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
		7	2	RED	ORG	GRN								
SB4	1S	2	6	RED	ORG	GRN								
		6	1/O.L."E"				BLU	WHT/BLK	BLU/BLK	BLK/WHT				
		8	2	RED/BLK	ORG/BLK	GRN/BLK								
SB5	9	3	6	RED	ORG	GRN								
SB6	9	13	4				RED	ORG		GRN				
SB7	9	14	4				RED	ORG		GRN				
SB8	9	1S	4	RED	ORG	GRN								
SB9	9	1	6	RED	ORG	GRN								
		4B	4								BLK	BLU		
SB10	12	4	1/O.L."E"				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
		9	2	RED	ORG	GRN								
SB11	9	10	2	RED	ORG	GRN								

EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SBS	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	CB1

LOOP DETECTOR LEAD IN CABLE	
FROM	TO
CB1	SB1 BUTTON
CB1	SBS BUTTON
CB1	SB9 BUTTON

TRAFFIC SIGNAL EVP DETECTOR CABLE		
HEAD	FROM	TO
A	CB1	SBS
B	CB1	SB10
C	CB1	SB8

LIGHTING UF 10 AWG W/ GROUND	
FROM	TO
CB1	SB2
SB2	SB14
CB1	SB4
SB4	SB12
CB1	SB10
SB10	SB13

NOTES:

1) USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.

2) ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS.

TRAFFIC CONTROL SIGNAL
CTH M & WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY

CABINET TYPE: TS2 CONTROLLER TYPE: COBALT

DESIGNED BY: KL ENGINEERING
REVISED BY:

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 208	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - Woodland Cable Routing
PLOT DATE : 4/21/2023 3:08 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 42

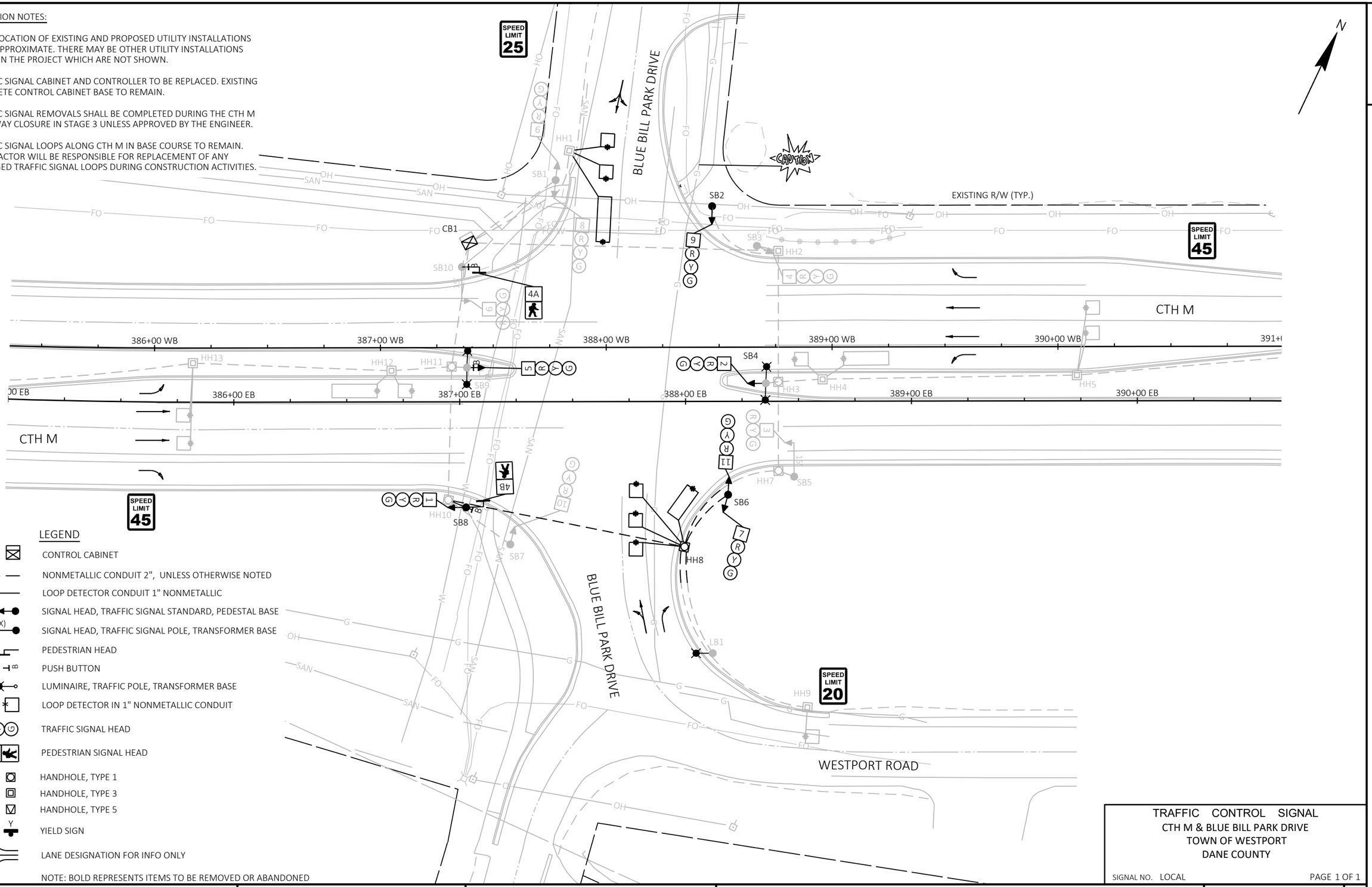
CONSTRUCTION NOTES:

1) THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

2) TRAFFIC SIGNAL CABINET AND CONTROLLER TO BE REPLACED. EXISTING CONCRETE CONTROL CABINET BASE TO REMAIN.

3) TRAFFIC SIGNAL REMOVALS SHALL BE COMPLETED DURING THE CTH M ROADWAY CLOSURE IN STAGE 3 UNLESS APPROVED BY THE ENGINEER.

4) TRAFFIC SIGNAL LOOPS ALONG CTH M IN BASE COURSE TO REMAIN. CONTRACTOR WILL BE RESPONSIBLE FOR REPLACEMENT OF ANY DAMAGED TRAFFIC SIGNAL LOOPS DURING CONSTRUCTION ACTIVITIES.



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD
- B PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- HANDHOLE, TYPE 1
- HANDHOLE, TYPE 3
- HANDHOLE, TYPE 5
- Y YIELD SIGN
- LANE DESIGNATION FOR INFO ONLY

NOTE: BOLD REPRESENTS ITEMS TO BE REMOVED OR ABANDONED

TRAFFIC CONTROL SIGNAL
CTH M & BLUE BILL PARK DRIVE
TOWN OF WESTPORT
DANE COUNTY

SIGNAL NO. LOCAL PAGE 1 OF 1

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 209	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - CTH M & Blue Bill Park Dr

PLOT DATE : 4/21/2023 12:27 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

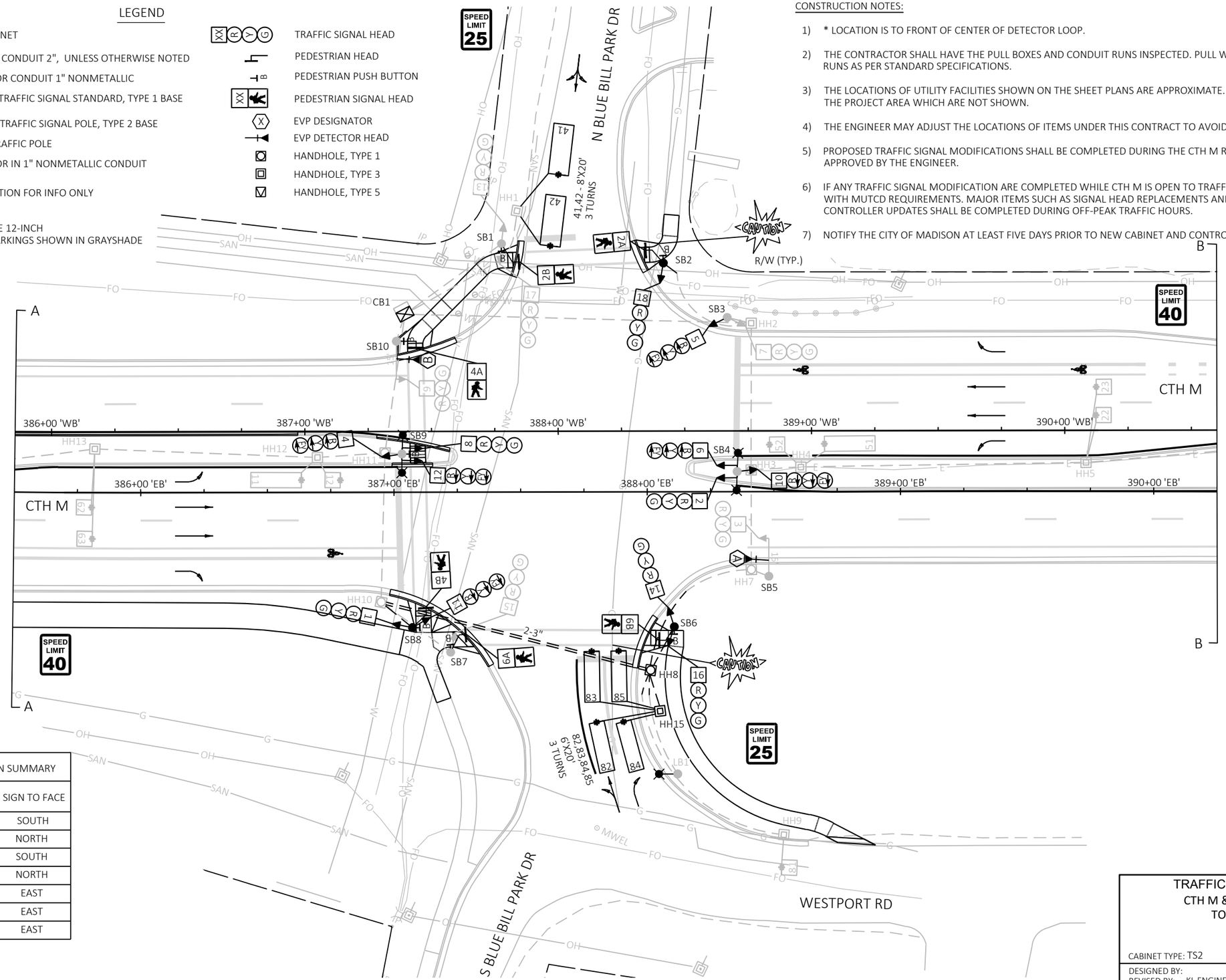
LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, TYPE 1 BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TYPE 2 BASE
- LUMINAIRE, TRAFFIC POLE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- LANE DESIGNATION FOR INFO ONLY
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD
- PEDESTRIAN PUSH BUTTON
- PEDESTRIAN SIGNAL HEAD
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- HANDHOLE, TYPE 1
- HANDHOLE, TYPE 3
- HANDHOLE, TYPE 5

NOTE:
1. ALL LENSES ARE 12-INCH
2. PAVEMENT MARKINGS SHOWN IN GRAYSHADE FOR CLARITY

CONSTRUCTION NOTES:

1) * LOCATION IS TO FRONT OF CENTER OF DETECTOR LOOP.
2) THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED. PULL WIRE IS REQUIRED FOR ALL CONDUIT RUNS AS PER STANDARD SPECIFICATIONS.
3) THE LOCATIONS OF UTILITY FACILITIES SHOWN ON THE SHEET PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
4) THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH UTILITY FACILITIES.
5) PROPOSED TRAFFIC SIGNAL MODIFICATIONS SHALL BE COMPLETED DURING THE CTH M ROADWAY CLOSURE IN STAGE 3 UNLESS APPROVED BY THE ENGINEER.
6) IF ANY TRAFFIC SIGNAL MODIFICATION ARE COMPLETED WHILE CTH M IS OPEN TO TRAFFIC, SIGNAL OPERATIONS SHALL COMPLY WITH MUTCD REQUIREMENTS. MAJOR ITEMS SUCH AS SIGNAL HEAD REPLACEMENTS AND TRAFFIC SIGNAL CABINET AND CONTROLLER UPDATES SHALL BE COMPLETED DURING OFF-PEAK TRAFFIC HOURS.
7) NOTIFY THE CITY OF MADISON AT LEAST FIVE DAYS PRIOR TO NEW CABINET AND CONTROLLER INSTALLATION AT (608) 267-1960.



PEDESTRIAN CROSSING SIGN/BUTTON SUMMARY			
BASE NUMBER	SIGN CODE	BUTTON DIRECTION	SIGN TO FACE
SB1	R10-3ER	RIGHT	SOUTH
SB2	R10-3ER	RIGHT	NORTH
SB6	R10-3EL	LEFT	SOUTH
SB7	R10-3EL	LEFT	NORTH
SB8	R10-3ER	RIGHT	EAST
SB9	R10-3ED	DOUBLE	EAST
SB10	R10-3EL	LEFT	EAST

TRAFFIC CONTROL SIGNAL

CTH M & BLUE BILL PARK DRIVE
TOWN OF WESTPORT
DANE COUNTY

CABINET TYPE: TS2 CONTROLLER TYPE: COBALT

DESIGNED BY:
REVISED BY: KL ENGINEERING

PAGE 1 OF 4

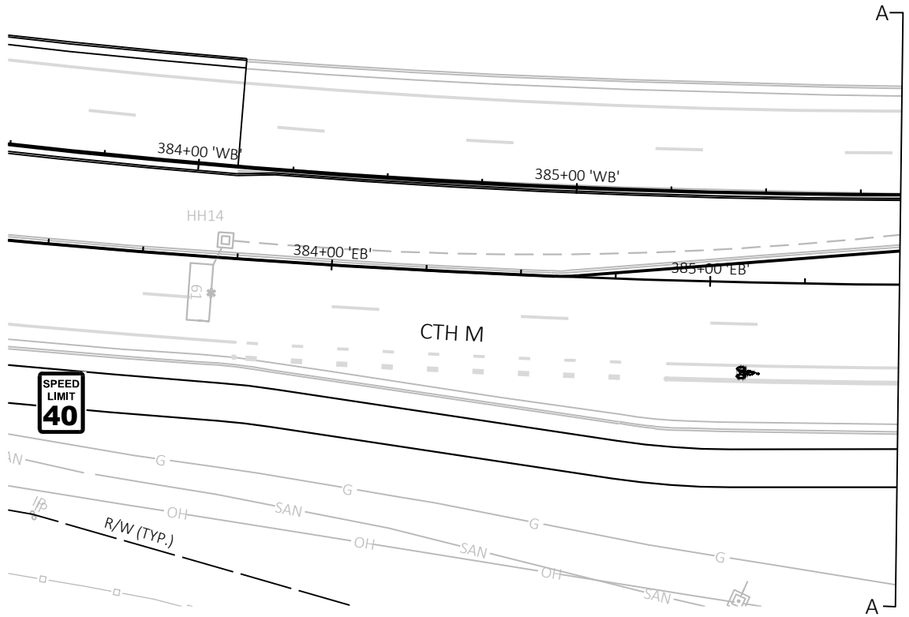
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 210	E

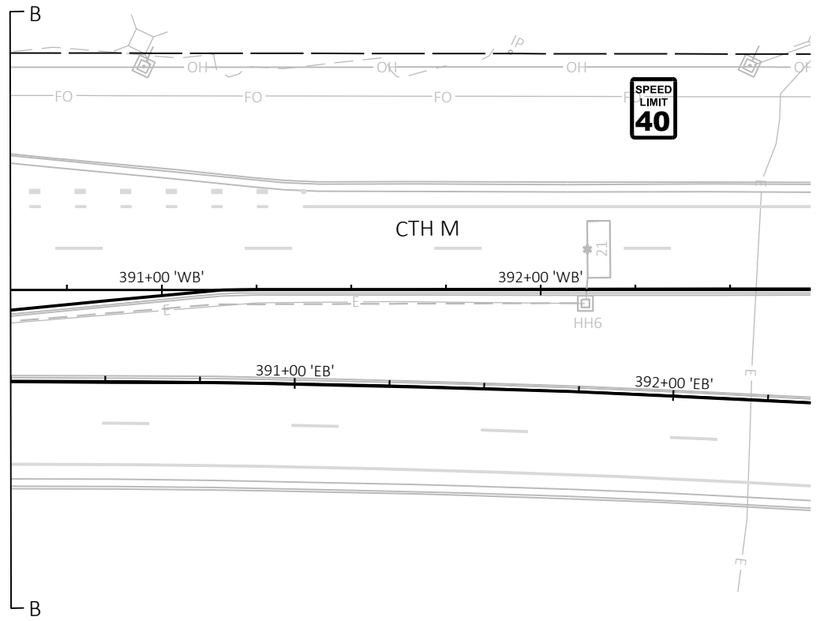
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - CTH M & Blue Bill Park Dr

PLOT DATE : 4/21/2023 3:24 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2





TRAFFIC CONTROL SIGNAL
CTH M & BLUE BILL PARK DRIVE
TOWN OF WESTPORT
DANE COUNTY

CABINET TYPE: TS2 CONTROLLER TYPE: COBALT

DESIGNED BY:
REVISED BY: KL ENGINEERING

PAGE 2 OF 4

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 211	E

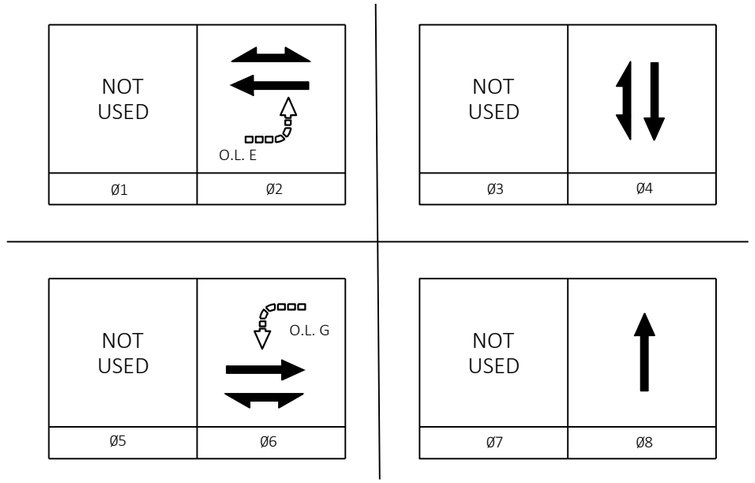
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - Blue Bill Park Dr Tails

PLOT DATE : 4/21/2023 3:09 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	7,8,9	R
Ø3		
Ø4	13,14,15	R
Ø5		
Ø6	1,2,3	R
Ø7		
Ø8	16,17,18	R
Ø2 PED	2A,2B	
Ø4 PED	4A,4B	
Ø6 PED	6A,6B	
Ø8 PED		

O.L. ASSIGNMENTS		
O.L."E"	4,5,6	Ø2
O.L."G"	10,11,12	Ø6



BARRIER

LEGEND

PHASE OVERLAP FLASHING YELLOW O.L. X O.L. X

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W/Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	6	MIN	X
3				
4				X
5				
6	X	2	MIN	X
7				
8				X

N

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B
PREEMPTION CHANNEL	1	2
MOVEMENT		
DIRECTION	EB	WB
PHASE	6	2

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	X
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF REMOTE COMMUNICATION	
NONE	X
FIBER	
CELL MODEM	
PHONE	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X

TYPE OF INTERCONNECT	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	11	21	23	41	51	61	63	81
PHASE CALLED	2	2	2	4	6	6	6	8
PHASE EXTENDED	2	2	2	4	6	6	6	8
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								X
LOOP FUNCTION								

DETECTOR INPUT	19	17	23	21	27	25	31	29
DETECTOR #(S)	83	85						
PHASE CALLED	8	8						
PHASE EXTENDED	8	8						
DISCONNECT TIME								
CALLING DELAY		X						
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)	12	22		42	52	62		82
PHASE CALLED	2	2		4	6	6		8
PHASE EXTENDED	2	2		4	6	6		8
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	20	18	24	22	28	26	32	30
DETECTOR #(S)	84							
PHASE CALLED	8							
PHASE EXTENDED	8							
DISCONNECT TIME								
CALLING DELAY	X							
EXTENSION STRETCH								
LOOP FUNCTION								

TRAFFIC CONTROL SIGNAL

CTH M & BLUE BILL PARK DRIVE

TOWN OF WESTPORT

DANE COUNTY

CABINET TYPE: TS2 CONTROLLER TYPE: COBALT

DESIGNED BY:

REVISED BY: KL ENGINEERING

PROJECT NO: 5954-00-01 | HWY: CTH M | COUNTY: DANE | TRAFFIC SIGNAL PLAN | SHEET 212 | E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - Blue Bill Park Dr SOO

PLOT DATE : 4/21/2023 3:09 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE :

2

PROJECT NO:	5954-00-01
INTERSECTION:	CTH M & BLUE BILL DRIVE

SIGNAL WIRE	BLK-BLACK	RED-RED	GRN-GREEN
COLOR CODING	WHT-WHITE	BLU-BLUE	ORG-ORANGE

DATE	18-Apr

CB1 TO	AWG 14 # OF COND.	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
				RED	YELLOW	GREEN	<RED>	<YELLOW>	<FLASH YEL>	<GREEN>	DWALK	WALK		
SB1	12	13	4	RED	ORG	GRN								
		17	8	RED/BLK	ORG/BLK	GRN/BLK								
		2B	2								BLK	BLU		
SB2	9	18	8	RED	ORG	GRN								
		2A	2								BLK	BLU		
SB3	12	7	2	RED	ORG	GRN								
		5	O.L."E"				RED/BLK	ORG/BLK	BLK/WHT					
SB4	15	2	6	RED	ORG	GRN								
		6	O.L."E"				RED/BLK	ORG/BLK	BLK/WHT					
		10	O.L."G"				RED/WHT	BLU/BLK	BLK					
SB5	EXISTING	3	6	EXISTING										
SB6	12	14	4	RED	ORG	GRN								
		16	8	RED/BLK	ORG/BLK	GRN/BLK								
		6B	6								BLK	BLU		
SB7	9	15	4	RED	ORG	GRN								
		6A	6								BLK	BLU		
SB8	12	1	6	RED	ORG	GRN								
		11	O.L."G"				RED/BLK	ORG/BLK	BLK/WHT					
		4B	4								BLK	BLU		
SB9	15	8	2	RED	ORG	GRN								
		4	O.L."E"				RED/BLK	ORG/BLK	BLK/WHT					
		12	O.L."G"				RED/WHT	BLU/BLK	BLK					
SB10	EXISTING	9	2	EXISTING										
		4A	4	CONFIRM WIRE COLORS DURING DISCONNECTION. MATCH FOR RECONNECTING.										

EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
SB1	SB2
SB2	SB3
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10

TRAFFIC SIGNAL EVP DETECTOR CABLE		
HEAD	FROM	TO
A	CB1	SB5
B	CB1	SB10

LOOP DETECTOR LEAD IN CABLE	
FROM	TO
CB1	SB1 BUTTON
CB1	SB2 BUTTON
CB1	SB6 BUTTON
CB1	SB7 BUTTON
CB1	SB8 BUTTON
CB1	SB9 BUTTON
CB1	SB10 BUTTON

NOTES:

1) ONLY REPLACE TRAFFIC SIGNAL CABLE IF NEED TO ACCOMMODATE NEW TRAFFIC SIGNAL INDICATIONS ON EXISTING POLES.
2) USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
3) ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS.
4) GRAYSHADE REPRESENTS EXISTING.

TRAFFIC CONTROL SIGNAL
CTH M & BLUE BILL PARK DRIVE
TOWN OF WESTPORT
DANE COUNTY

CABINET TYPE: TS2 CONTROLLER TYPE: COBALT

DESIGNED BY:
REVISED BY: KL ENGINEERING

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 213 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - Blue Bill Park Dr Cable Routing
PLOT DATE : 4/21/2023 4:24 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE :

ITS LEGEND

COMMUNICATION VAULT
ITS CONDUIT

CONSTRUCTION NOTES:

1) INSTALL CONDUIT WITH ATTENTION TO BOX CULVERT LOCATED APPROXIMATELY 3' BELOW GRADE.

N

ONCKEN RD

PRW (TYP)

STA. 271+88'WB', 38.7' LT
CV100

CONDUIT HDPE
2-DUCT, 2-INCH

STA. 280+98'WB', 35.7' LT
CV101

SEE CONSTRUCTION NOTE 1

268+00 'EB'
270+00 'EB'
270+00 'WB'
272+00 'EB'
272+00 'WB'
274+00 'EB'
274+00 'WB'
276+00 'EB'
276+00 'WB'
278+00 'EB'
278+00 'WB'
280+00 'EB'
280+00 'WB'
282+00 'EB'
282+00 'WB'

CTH M

R/W (TYP)

STA. 280+98'WB', 7.4' RT
CV102

MATCH LINE 282+50'EB'

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CONDUIT DUCT PACKAGE	SHEET 214	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - CTH M (1)

PLOT DATE : 4/4/2023 3:32 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

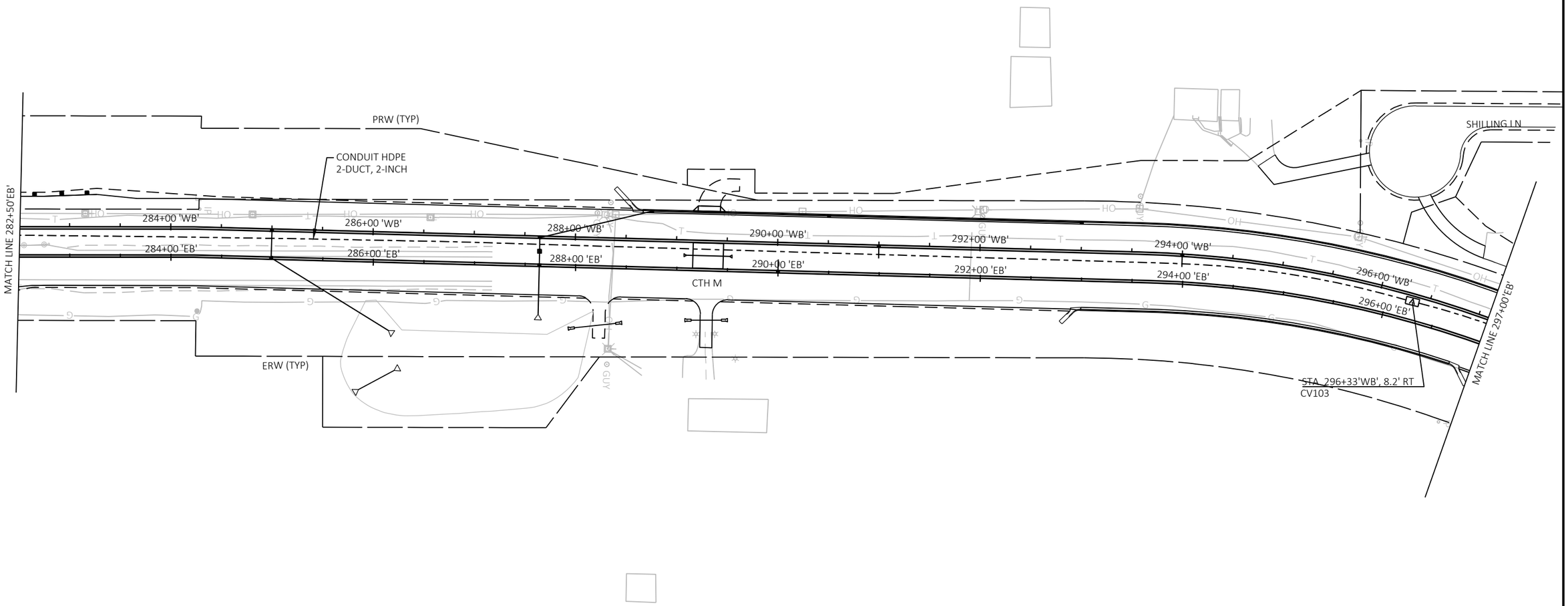
2

ITS LEGEND

COMMUNICATION VAULT
ITS CONDUIT

N

2



PROJECT NO: 5954-00-02	HWY: CTH M	COUNTY: DANE	CONDUIT DUCT PACKAGE	SHEET 215	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - CTH M (2)

PLOT DATE : 4/4/2023 3:32 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

ITS LEGEND

COMMUNICATION VAULT
ITS CONDUIT

SHILLING LN

PRW (TYP)

MATCH LINE 288+00'EB'

298+00 'WB'

298+00 'EB'

300+00 'WB'

300+00 'EB'

CONDUIT HDPE
2-DUCT, 2-INCH

302+00 'WB'

302+00 'EB'

SEE CONSTRUCTION
NOTE 1

304+00 'WB'

304+00 'EB'

CTH M

ERW (TYP)

STA. 305+35'WB', 6.2' RT
CV104

CONDUIT HDPE
2-DUCT, 2-INCH

306+00 'WB'

306+00 'EB'

18+00 'NSB'

18+00 'NSB'

NORTH SHORE BAY DR

MATCH LINE 16+50'NSB'

SEE CONSTRUCTION
NOTE 1

CONDUIT HDPE
2-DUCT, 2-INCH

MATCH LINE 82+50'KEB'

82+00 'KEB'

82+00 'KWB'

84+00 'KEB'

84+00 'KWB'

CTH K

85+00 'KEB'

85+00 'KWB'

86+00 'KEB'

86+00 'KWB'

308+00 'WB'

308+00 'EB'

MATCH LINE 308+50'EB'

CONSTRUCTION NOTES:

1) INSTALL CONDUIT IN MEDIAN BUT WORK AROUND ALL TRAFFIC SIGNAL EQUIPMENT AND RELATED INFRASTRUCTURE.

PROJECT NO: 5954-00-02	HWY: CTH M	COUNTY: DANE	CONDUIT DUCT PACKAGE	SHEET 216	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - CTH M (3)

PLOT DATE : 4/4/2023 3:33 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

ITS LEGEND

COMMUNICATION VAULT V

ITS CONDUIT

N

MATCH LINE 308+50'EB'

SEE CONSTRUCTION NOTE 1

PRW (TYP)

STA. 312+53'EB', 6.1' LT
CV105

310+00 'WB'

310+00 'EB'

312+00 'WB'

312+00 'EB'

CTH M

314+00 'WB'

314+00 'EB'

B-13-895

316+00 'WB'

316+00 'EB'

318+00 'WB'

318+00 'EB'

320+00 'WB'

320+00 'EB'

322+00 'WB'

322+00 'EB'

SEE CONSTRUCTION NOTE 1

MATCH LINE 323+00'EB'

BOARDWALK

ERW (TYP)

CONDUIT HDPE
2-DUCT, 2-INCH

BIKE PATH

STA. 315+71'EB', 5.4' LT
CV106

SEE CONSTRUCTION NOTE 2

MANSFIELD RD

CONDUIT HDPE
2-DUCT, 2-INCH

CONSTRUCTION NOTES:

1) INSTALL CONDUIT IN MEDIAN BUT WORK AROUND ALL TRAFFIC SIGNAL EQUIPMENT AND RELATED INFRASTRUCTURE.

2) CONDUIT INSTALLED IN EB PARAPET OF STRUCTURE B-13-895. SEE STRUCTURE PLANS FOR ADDITIONAL DETAILS.

PROJECT NO: 5954-00-02	HWY: CTH M	COUNTY: DANE	CONDUIT DUCT PACKAGE	SHEET 217	E

ITS LEGEND

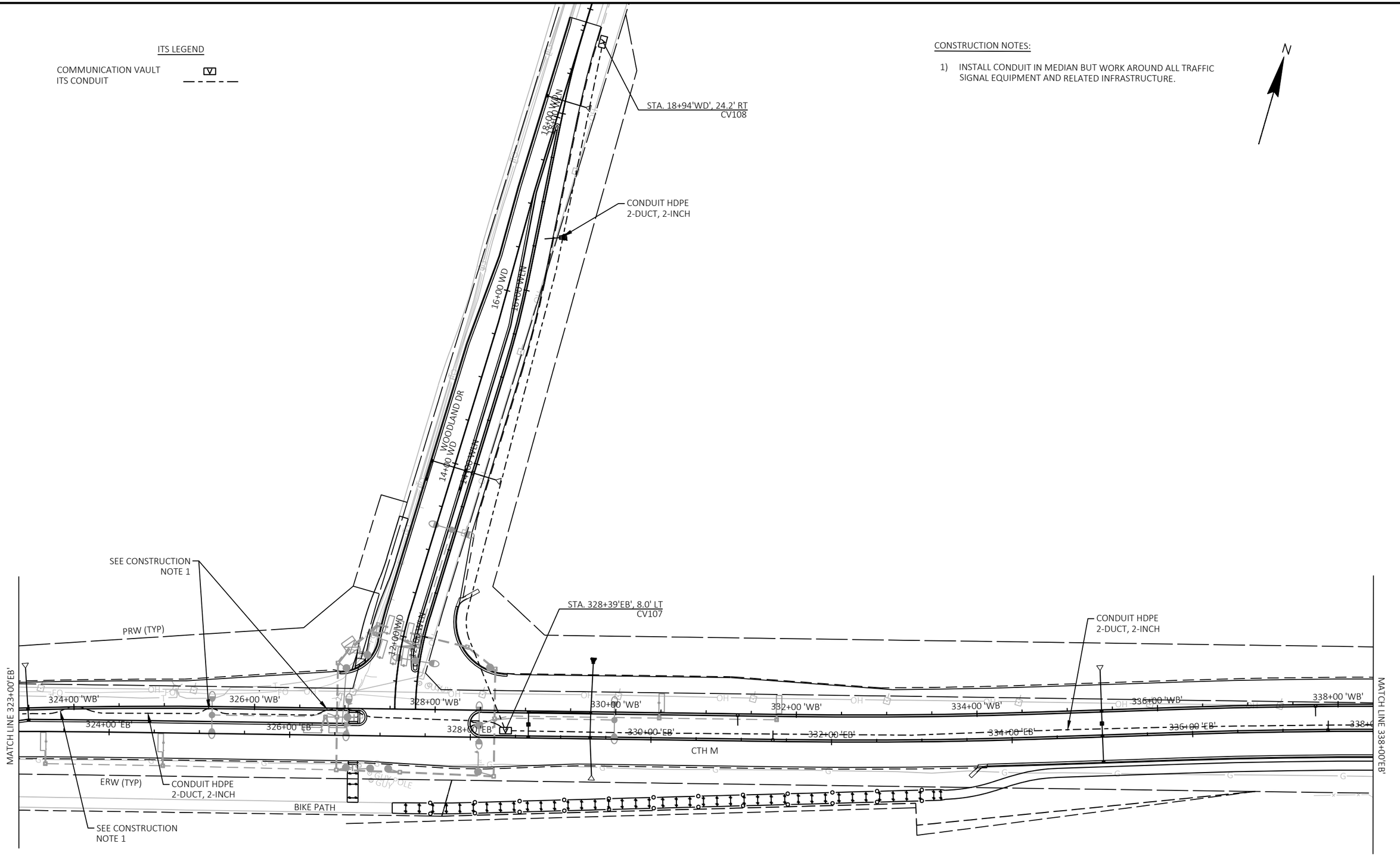
COMMUNICATION VAULT
ITS CONDUIT

CONSTRUCTION NOTES:

1) INSTALL CONDUIT IN MEDIAN BUT WORK AROUND ALL TRAFFIC SIGNAL EQUIPMENT AND RELATED INFRASTRUCTURE.

N

2



PROJECT NO: 5954-00-02	HWY: CTH M	COUNTY: DANE	CONDUIT DUCT PACKAGE	SHEET 218	E

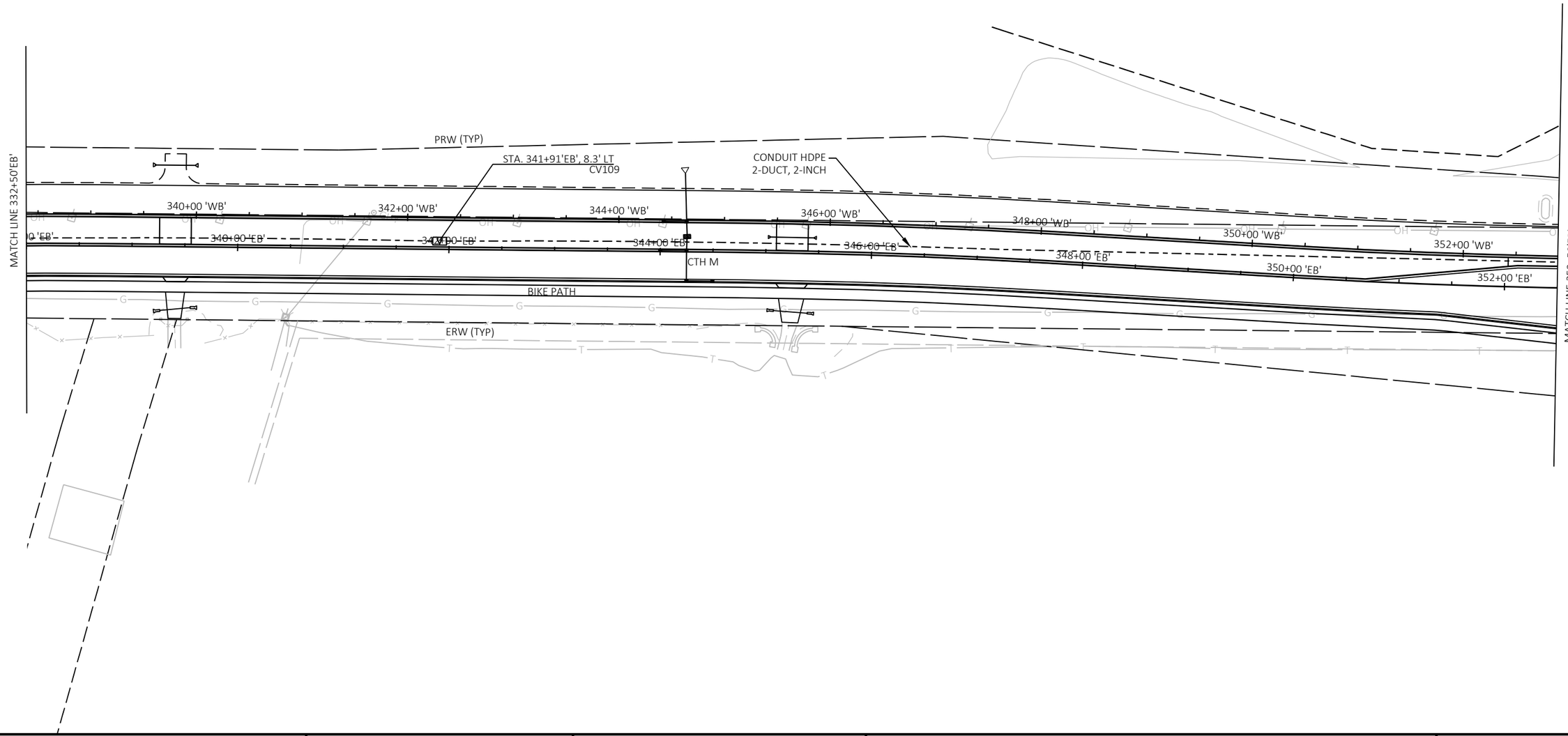
2

2

ITS LEGEND

COMMUNICATION VAULT
ITS CONDUIT

N



PROJECT NO: 5954-00-02	HWY: CTH M	COUNTY: DANE	CONDUIT DUCT PACKAGE	SHEET 219	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - CTH M (6)

PLOT DATE : 4/4/2023 3:33 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

ITS LEGEND

COMMUNICATION VAULT

ITS CONDUIT

N

MARY LAKE RD

ERW (TYP)

STA. 12+19'ML', 18.5' RT
CV111

CONDUIT HDPE
2-DUCT, 2-INCH

12+00 ML

11+00 ML

SEE CONSTRUCTION
NOTE 1

CONDUIT HDPE
2-DUCT, 2-INCH

STA. 365+73'EB', 8.0' LT
CV113

CONDUIT HDPE
2-DUCT, 2-INCH

MATCH LINE 367+00'EB'

354+00 'WB'

356+00 'WB'

358+00 'WB'

360+00 'WB'

362+00 'WB'

364+00 'WB'

366+00 'WB'

354+00 'EB'

356+00 'EB'

358+00 'EB'

360+00 'EB'

362+00 'EB'

364+00 'EB'

366+00 'EB'

CTH M

MATCH LINE 352+50'EB'

12+00 KU

CONDUIT HDPE
2-DUCT, 2-INCH

11+00 KU

PRW (TYP)

STA. 355+41'EB', 6.3' LT
CV110

CONDUIT HDPE
2-DUCT, 2-INCH

WILLOW RD

STA. 366+38'EB', 122.2' RT
CV114

CONDUIT HDPE
2-DUCT, 2-INCH

KUPFER RD

STA. 10+36'KU', 15.4' RT
CV112

CONSTRUCTION NOTES:

1) INSTALL CONDUIT IN MEDIAN BUT WORK AROUND ALL TRAFFIC SIGNAL EQUIPMENT AND RELATED INFRASTRUCTURE.

PROJECT NO: 5954-00-02	HWY: CTH M	COUNTY: DANE	CONDUIT DUCT PACKAGE	SHEET 220	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - CTH M (7)

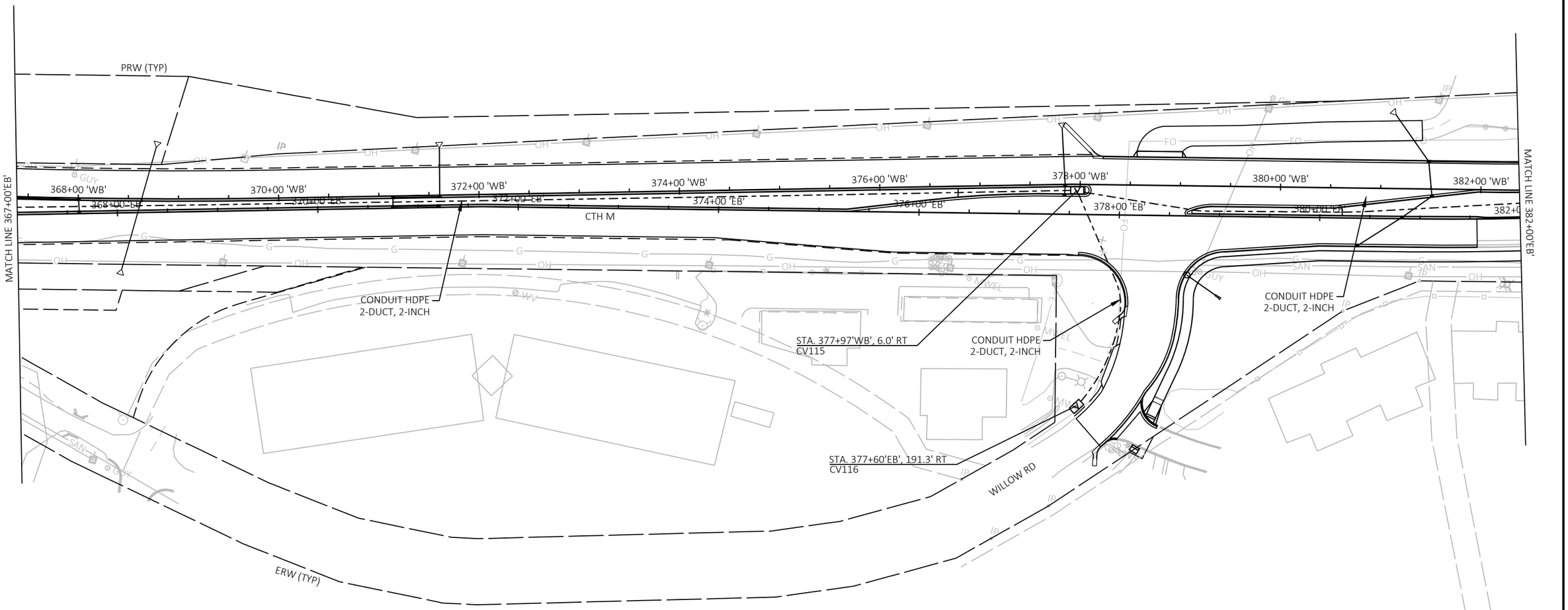
PLOT DATE : 4/4/2023 3:34 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

ITS LEGEND

COMMUNICATION VAULT
ITS CONDUIT

N



PROJECT NO: 5954-00-02	HWY: CTH M	COUNTY: DANE	CONDUIT DUCT PACKAGE	SHEET 221	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - CTH M (8)

PLOT DATE : 4/4/2023 3:34 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

ITS LEGEND

COMMUNICATION VAULT

ITS CONDUIT

N

STA. 387+98'WB', 195.1' LT
CV119

CONDUIT HDPE
2-DUCT, 2-INCH

N BLUE BILL PARK DR

ERW (TYP)

CONDUIT HDPE
2-DUCT, 2-INCH

STA. 387+25'WB', 7.8' RT
CV117

384+00 'WB'

386+00 'WB'

388+00 'WB'

390+00 'WB'

392+00 'WB'

394+00 'WB'

396+00 'WB'

384+00 'EB'

386+00 'EB'

388+00 'EB'

390+00 'EB'

392+00 'EB'

394+00 'EB'

396+00 'EB'

MATCH LINE 382+00'EB'

CTH M

CONDUIT HDPE
2-DUCT, 2-INCH

WESTPORT RD

STA. 387+42'EB', 124.0' RT
CV118

BLUE BILL PARK DR S

PROJECT NO: 5954-00-02	HWY: CTH M	COUNTY: DANE	CONDUIT DUCT PACKAGE	SHEET 222	E

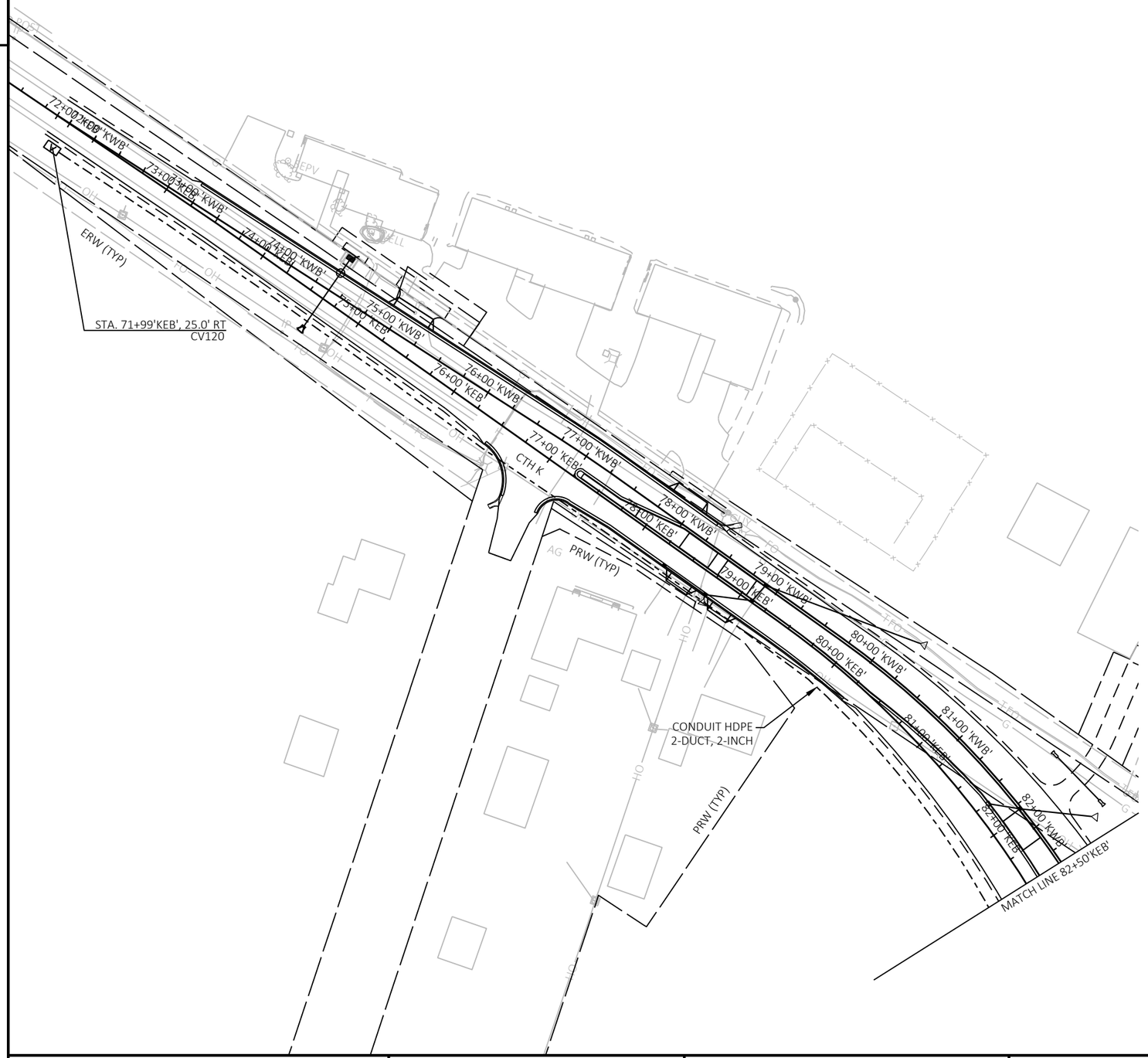
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - CTH M (9)

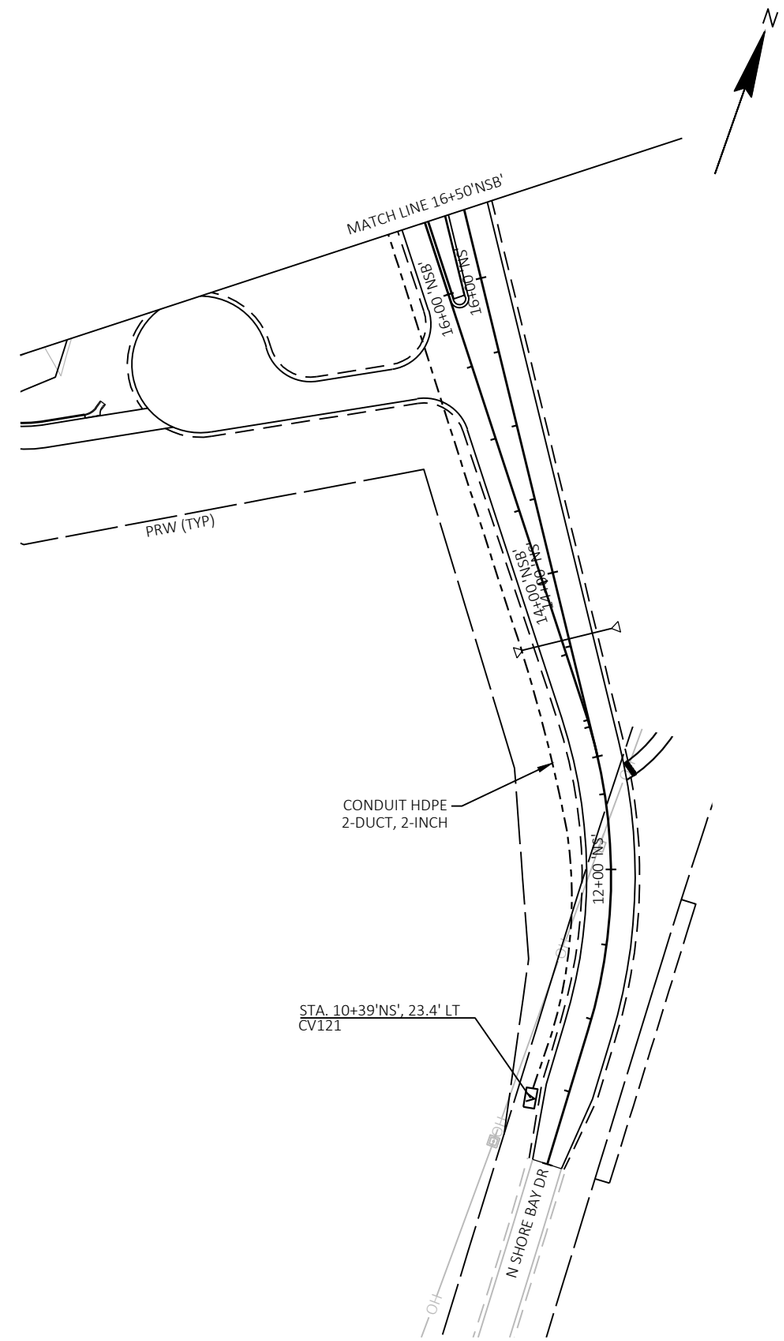
PLOT DATE : 4/4/2023 3:34 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

ITS LEGEND

COMMUNICATION VAULT
ITS CONDUIT





PROJECT NO: 5954-00-02	HWY: CTH M	COUNTY: DANE	CONDUIT DUCT PACKAGE	SHEET 223	E

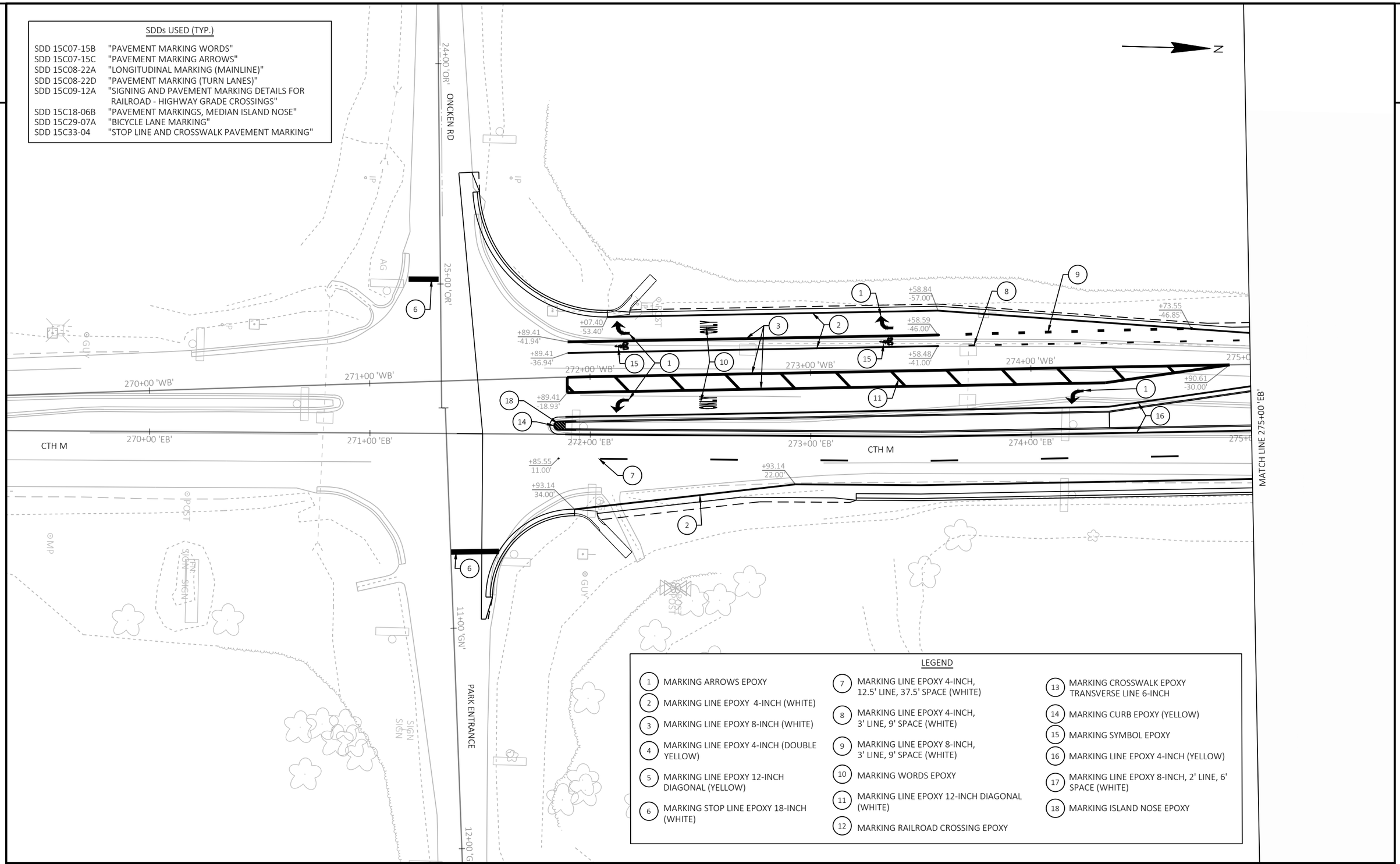
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - CTH M (10)

PLOT DATE : 4/4/2023 3:35 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

SDDs USED (TYP.)

SDD 15C07-15B	"PAVEMENT MARKING WORDS"
SDD 15C07-15C	"PAVEMENT MARKING ARROWS"
SDD 15C08-22A	"LONGITUDINAL MARKING (MAINLINE)"
SDD 15C08-22D	"PAVEMENT MARKING (TURN LANES)"
SDD 15C09-12A	"SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD - HIGHWAY GRADE CROSSINGS"
SDD 15C18-06B	"PAVEMENT MARKINGS, MEDIAN ISLAND NOSE"
SDD 15C29-07A	"BICYCLE LANE MARKING"
SDD 15C33-04	"STOP LINE AND CROSSWALK PAVEMENT MARKING"



LEGEND

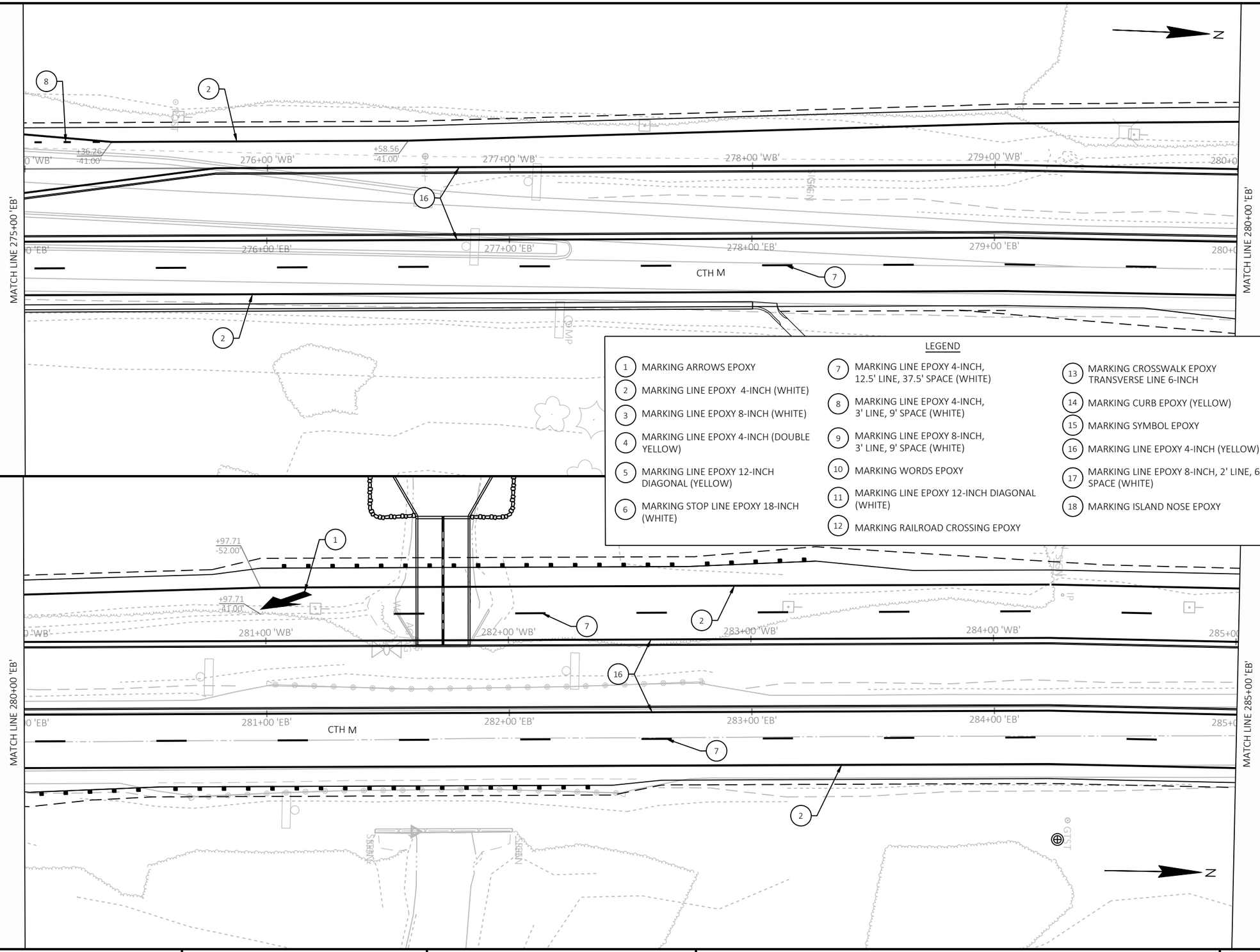
1 MARKING ARROWS EPOXY	7 MARKING LINE EPOXY 4-INCH, 12.5' LINE, 37.5' SPACE (WHITE)	13 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
2 MARKING LINE EPOXY 4-INCH (WHITE)	8 MARKING LINE EPOXY 4-INCH, 3' LINE, 9' SPACE (WHITE)	14 MARKING CURB EPOXY (YELLOW)
3 MARKING LINE EPOXY 8-INCH (WHITE)	9 MARKING LINE EPOXY 8-INCH, 3' LINE, 9' SPACE (WHITE)	15 MARKING SYMBOL EPOXY
4 MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)	10 MARKING WORDS EPOXY	16 MARKING LINE EPOXY 4-INCH (YELLOW)
5 MARKING LINE EPOXY 12-INCH DIAGONAL (YELLOW)	11 MARKING LINE EPOXY 12-INCH DIAGONAL (WHITE)	17 MARKING LINE EPOXY 8-INCH, 2' LINE, 6' SPACE (WHITE)
6 MARKING STOP LINE EPOXY 18-INCH (WHITE)	12 MARKING RAILROAD CROSSING EPOXY	18 MARKING ISLAND NOSE EPOXY

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PAVEMENT MARKING - CTH M	SHEET 224	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\024501-PM.DWG
LAYOUT NAME - 01

PLOT DATE : 5/10/2023 8:06 AM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



LEGEND

1. MARKING ARROWS EPOXY
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 8-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
5. MARKING LINE EPOXY 12-INCH DIAGONAL (YELLOW)
6. MARKING STOP LINE EPOXY 18-INCH (WHITE)
7. MARKING LINE EPOXY 4-INCH, 12.5' LINE, 37.5' SPACE (WHITE)
8. MARKING LINE EPOXY 4-INCH, 3' LINE, 9' SPACE (WHITE)
9. MARKING LINE EPOXY 8-INCH, 3' LINE, 9' SPACE (WHITE)
10. MARKING WORDS EPOXY
11. MARKING LINE EPOXY 12-INCH DIAGONAL (WHITE)
12. MARKING RAILROAD CROSSING EPOXY
13. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
14. MARKING CURB EPOXY (YELLOW)
15. MARKING SYMBOL EPOXY
16. MARKING LINE EPOXY 4-INCH (YELLOW)
17. MARKING LINE EPOXY 8-INCH, 2' LINE, 6' SPACE (WHITE)
18. MARKING ISLAND NOSE EPOXY

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PAVEMENT MARKING - CTH M	SHEET 225	E

2

2

MATCH LINE 285+00 'EB'

MATCH LINE 290+00 'EB'

LEGEND

1. MARKING ARROWS EPOXY
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 8-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
5. MARKING LINE EPOXY 12-INCH DIAGONAL (YELLOW)
6. MARKING STOP LINE EPOXY 18-INCH (WHITE)
7. MARKING LINE EPOXY 4-INCH, 12.5' LINE, 37.5' SPACE (WHITE)
8. MARKING LINE EPOXY 4-INCH, 3' LINE, 9' SPACE (WHITE)
9. MARKING LINE EPOXY 8-INCH, 3' LINE, 9' SPACE (WHITE)
10. MARKING WORDS EPOXY
11. MARKING LINE EPOXY 12-INCH DIAGONAL (WHITE)
12. MARKING RAILROAD CROSSING EPOXY
13. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
14. MARKING CURB EPOXY (YELLOW)
15. MARKING SYMBOL EPOXY
16. MARKING LINE EPOXY 4-INCH (YELLOW)
17. MARKING LINE EPOXY 8-INCH, 2' LINE, 6' SPACE (WHITE)
18. MARKING ISLAND NOSE EPOXY

N

'WB' 286+00 'WB' 287+00 'WB' 288+00 'WB' 289+00 'WB' 290+00

'EB' 286+00 'EB' 287+00 'EB' 288+00 'EB' 289+00 'EB' 290+00

CTH M

MATCH LINE 290+00 'EB'

MATCH LINE 295+00 'EB'

'WB' 291+00 'WB' 292+00 'WB' 293+00 'WB' 294+00 'WB' 295+00

'EB' 291+00 'EB' 292+00 'EB' 293+00 'EB' 294+00 'EB' 295+00

CTH M

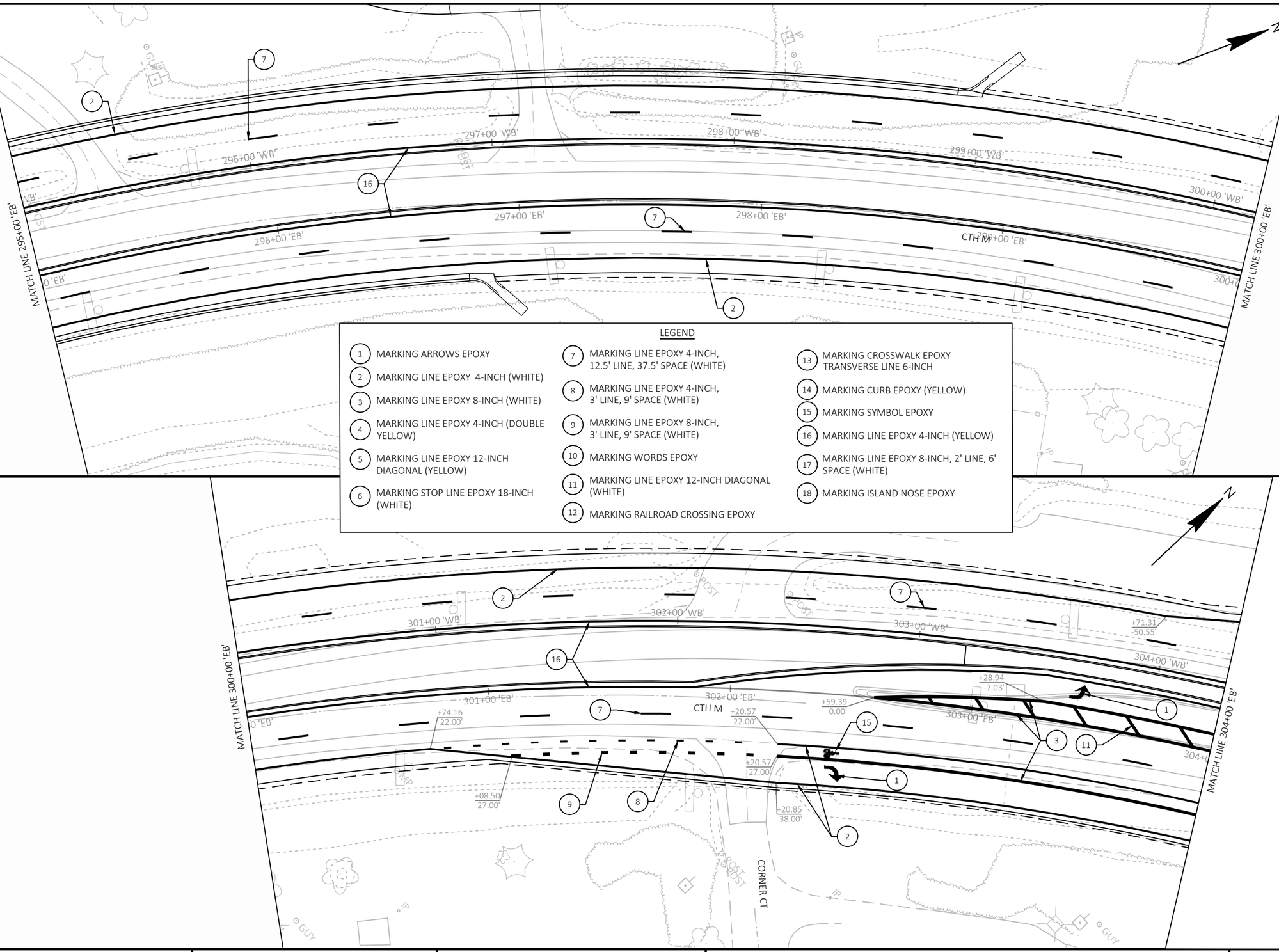
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PAVEMENT MARKING - CTH M	SHEET 226	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\024501-PM.DWG
LAYOUT NAME - 03

PLOT DATE : 5/10/2023 8:08 AM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



LEGEND

1. MARKING ARROWS EPOXY
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 8-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
5. MARKING LINE EPOXY 12-INCH DIAGONAL (YELLOW)
6. MARKING STOP LINE EPOXY 18-INCH (WHITE)
7. MARKING LINE EPOXY 4-INCH, 12.5' LINE, 37.5' SPACE (WHITE)
8. MARKING LINE EPOXY 4-INCH, 3' LINE, 9' SPACE (WHITE)
9. MARKING LINE EPOXY 8-INCH, 3' LINE, 9' SPACE (WHITE)
10. MARKING WORDS EPOXY
11. MARKING LINE EPOXY 12-INCH DIAGONAL (WHITE)
12. MARKING RAILROAD CROSSING EPOXY
13. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
14. MARKING CURB EPOXY (YELLOW)
15. MARKING SYMBOL EPOXY
16. MARKING LINE EPOXY 4-INCH (YELLOW)
17. MARKING LINE EPOXY 8-INCH, 2' LINE, 6' SPACE (WHITE)
18. MARKING ISLAND NOSE EPOXY

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PAVEMENT MARKING - CTH M	SHEET 227	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\024501-PM.DWG
LAYOUT NAME - 04
PLOT DATE : 5/10/2023 8:08 AM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

LEGEND

1. MARKING ARROWS EPOXY
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 8-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
5. MARKING LINE EPOXY 12-INCH DIAGONAL (YELLOW)
6. MARKING STOP LINE EPOXY 18-INCH (WHITE)
7. MARKING LINE EPOXY 4-INCH, 12.5' LINE, 37.5' SPACE (WHITE)
8. MARKING LINE EPOXY 4-INCH, 3' LINE, 9' SPACE (WHITE)
9. MARKING LINE EPOXY 8-INCH, 3' LINE, 9' SPACE (WHITE)
10. MARKING WORDS EPOXY
11. MARKING LINE EPOXY 12-INCH DIAGONAL (WHITE)
12. MARKING RAILROAD CROSSING EPOXY
13. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
14. MARKING CURB EPOXY (YELLOW)
15. MARKING SYMBOL EPOXY
16. MARKING LINE EPOXY 4-INCH (YELLOW)
17. MARKING LINE EPOXY 8-INCH, 2' LINE, 6' SPACE (WHITE)
18. MARKING ISLAND NOSE EPOXY

MATCHLINE 85+05 'K'
SEE PAVEMENT MARKING - CTH K

CTH K

CTH M

N SHORE BAY DR

EX CTH K

MATCH LINE 304+00 'EB'

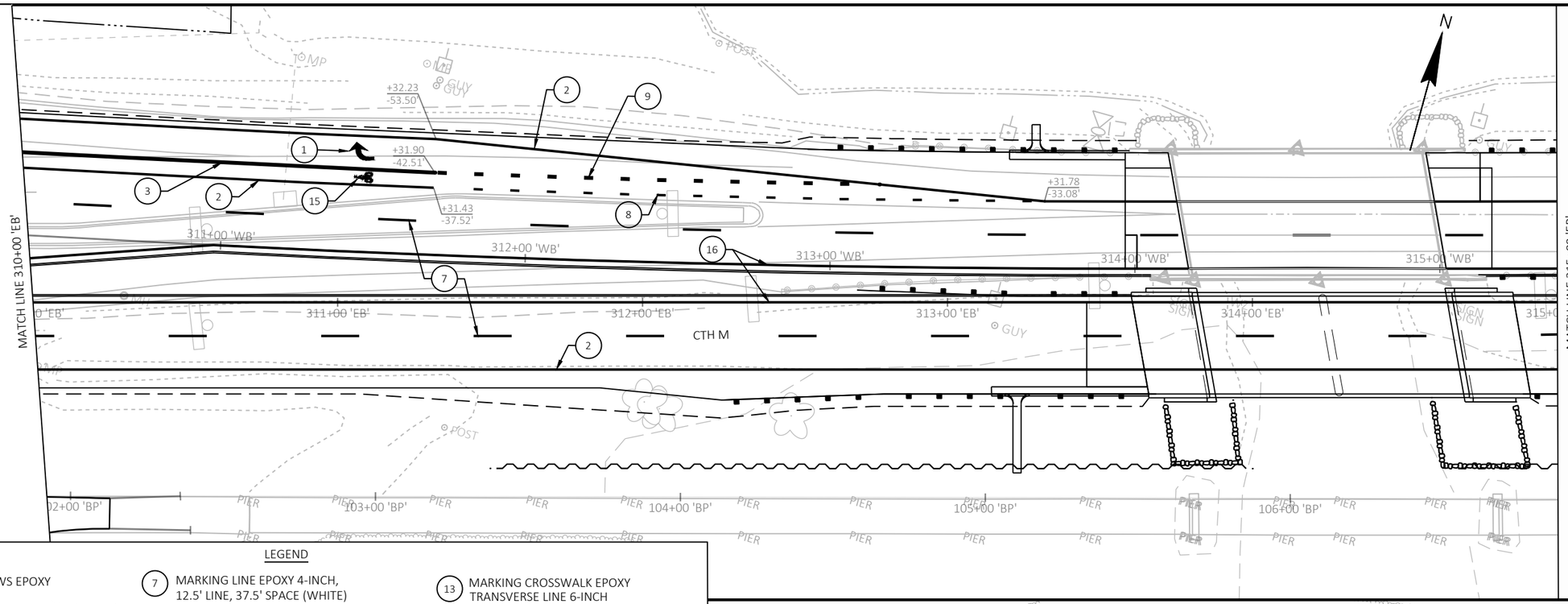
MATCH LINE 310+00 'EB'

MATCHLINE 16+25 'NS'
SEE PAVEMENT MARKING - NORTH SHORE BAY DRIVE

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PAVEMENT MARKING - CTH M	SHEET 228	E

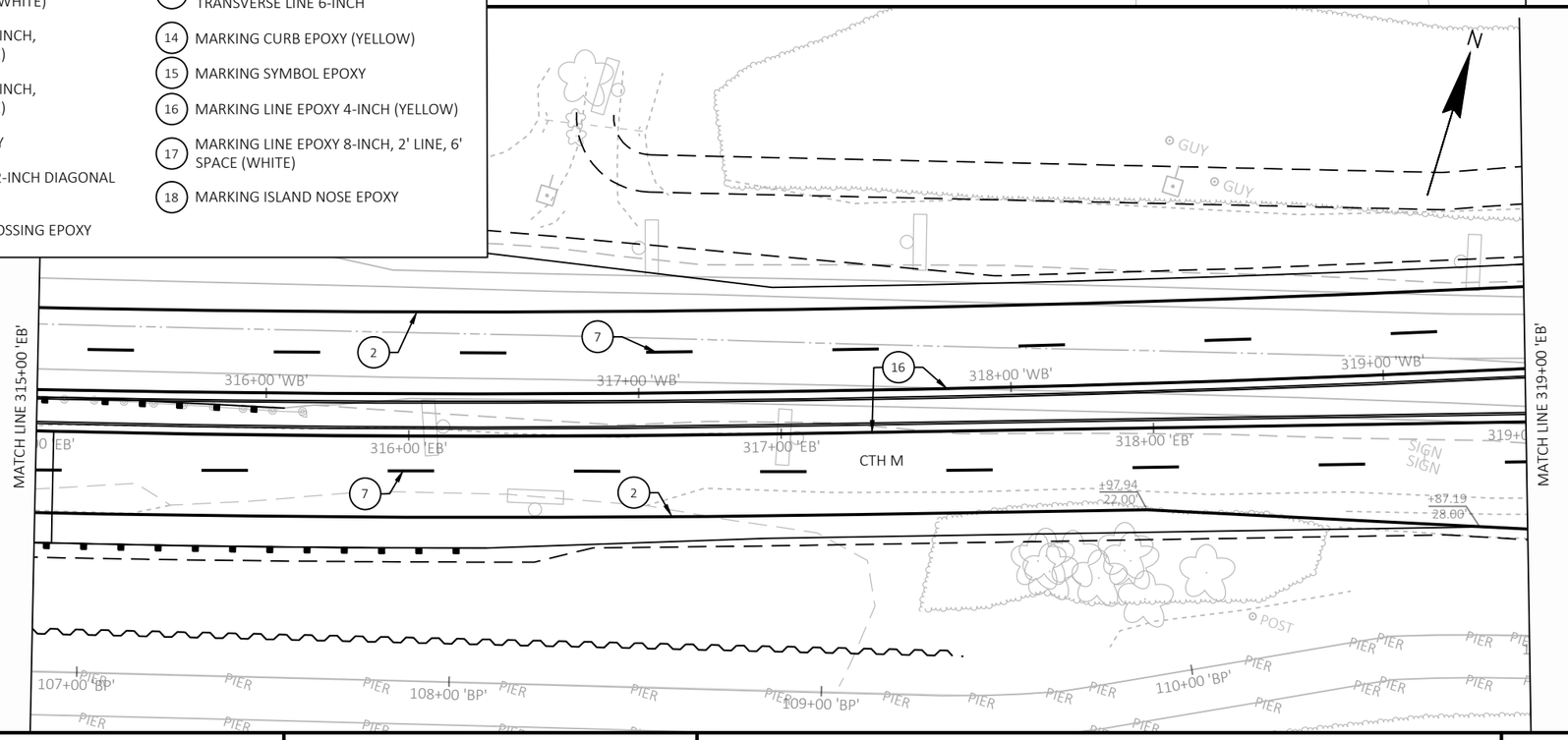
FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\024501-PM.DWG
LAYOUT NAME - 05

PLOT DATE : 5/10/2023 8:09 AM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT



LEGEND

1. MARKING ARROWS EPOXY
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 8-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
5. MARKING LINE EPOXY 12-INCH DIAGONAL (YELLOW)
6. MARKING STOP LINE EPOXY 18-INCH (WHITE)
7. MARKING LINE EPOXY 4-INCH, 12.5' LINE, 37.5' SPACE (WHITE)
8. MARKING LINE EPOXY 4-INCH, 3' LINE, 9' SPACE (WHITE)
9. MARKING LINE EPOXY 8-INCH, 3' LINE, 9' SPACE (WHITE)
10. MARKING WORDS EPOXY
11. MARKING LINE EPOXY 12-INCH DIAGONAL (WHITE)
12. MARKING RAILROAD CROSSING EPOXY
13. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
14. MARKING CURB EPOXY (YELLOW)
15. MARKING SYMBOL EPOXY
16. MARKING LINE EPOXY 4-INCH (YELLOW)
17. MARKING LINE EPOXY 8-INCH, 2' LINE, 6' SPACE (WHITE)
18. MARKING ISLAND NOSE EPOXY



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PAVEMENT MARKING - CTH M	SHEET 229	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\024501-PM.DWG
LAYOUT NAME - 06

PLOT DATE : 5/10/2023 8:10 AM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

MATCH LINE 319+00 'EB'

MATCH LINE 324+00 'EB'

MATCH LINE 324+00 'EB'

MATCH LINE 329+00 'EB'

CTH M

MANSFIELD RD

WOODLAND DR

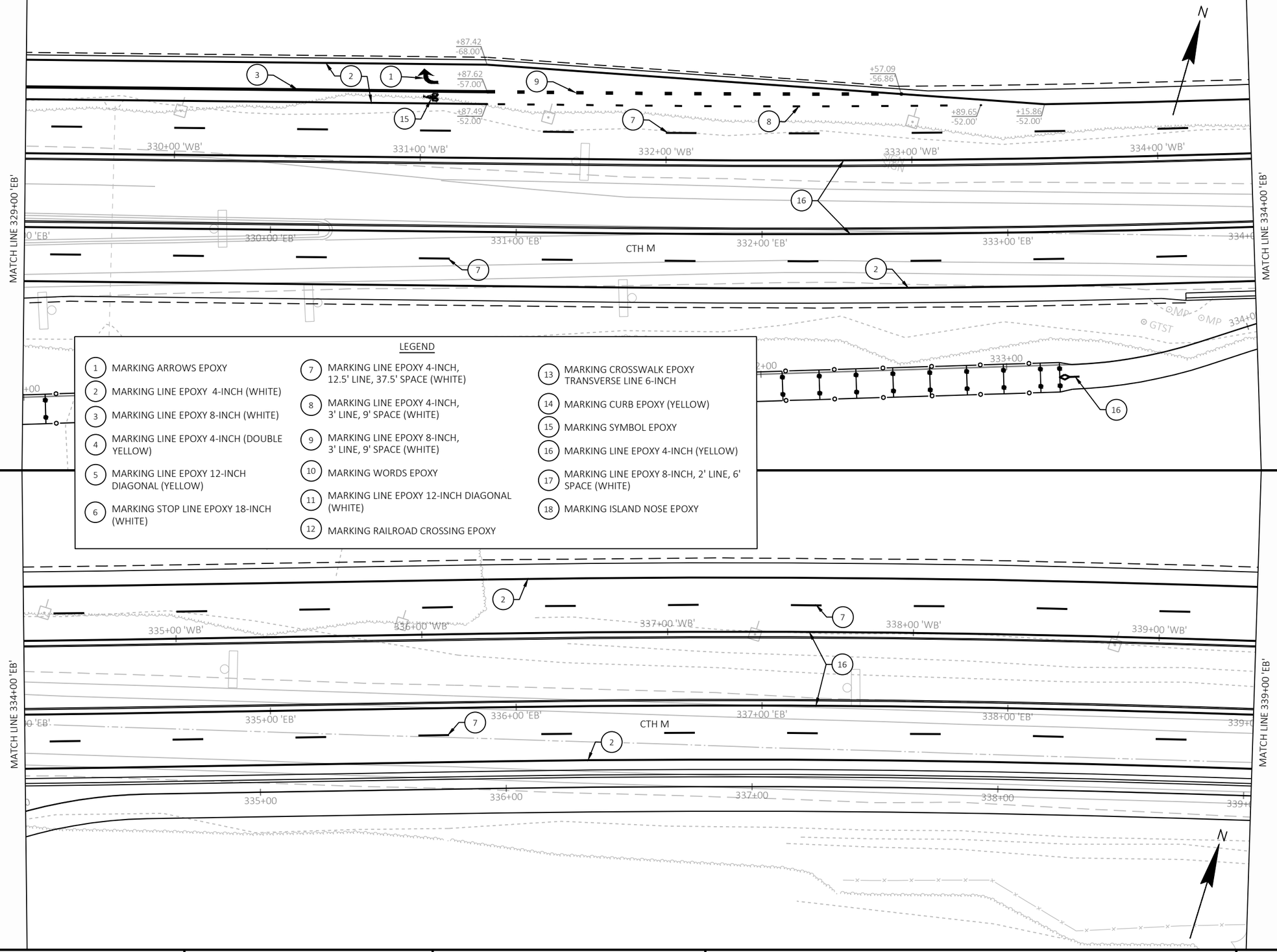
SEE WOODLAND DRIVE PAVEMENT MARKING SHEET

LEGEND

1. MARKING ARROWS EPOXY
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 8-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
5. MARKING LINE EPOXY 12-INCH DIAGONAL (YELLOW)
6. MARKING STOP LINE EPOXY 18-INCH (WHITE)
7. MARKING LINE EPOXY 4-INCH, 12.5' LINE, 37.5' SPACE (WHITE)
8. MARKING LINE EPOXY 4-INCH, 3' LINE, 9' SPACE (WHITE)
9. MARKING LINE EPOXY 8-INCH, 3' LINE, 9' SPACE (WHITE)
10. MARKING WORDS EPOXY
11. MARKING LINE EPOXY 12-INCH DIAGONAL (WHITE)
12. MARKING RAILROAD CROSSING EPOXY
13. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
14. MARKING CURB EPOXY (YELLOW)
15. MARKING SYMBOL EPOXY
16. MARKING LINE EPOXY 4-INCH (YELLOW)
17. MARKING LINE EPOXY 8-INCH, 2' LINE, 6' SPACE (WHITE)
18. MARKING ISLAND NOSE EPOXY

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PAVEMENT MARKING - CTH M	SHEET 230	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\024501-PM.DWG
LAYOUT NAME - 07
PLOT DATE : 5/10/2023 8:11 AM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



LEGEND

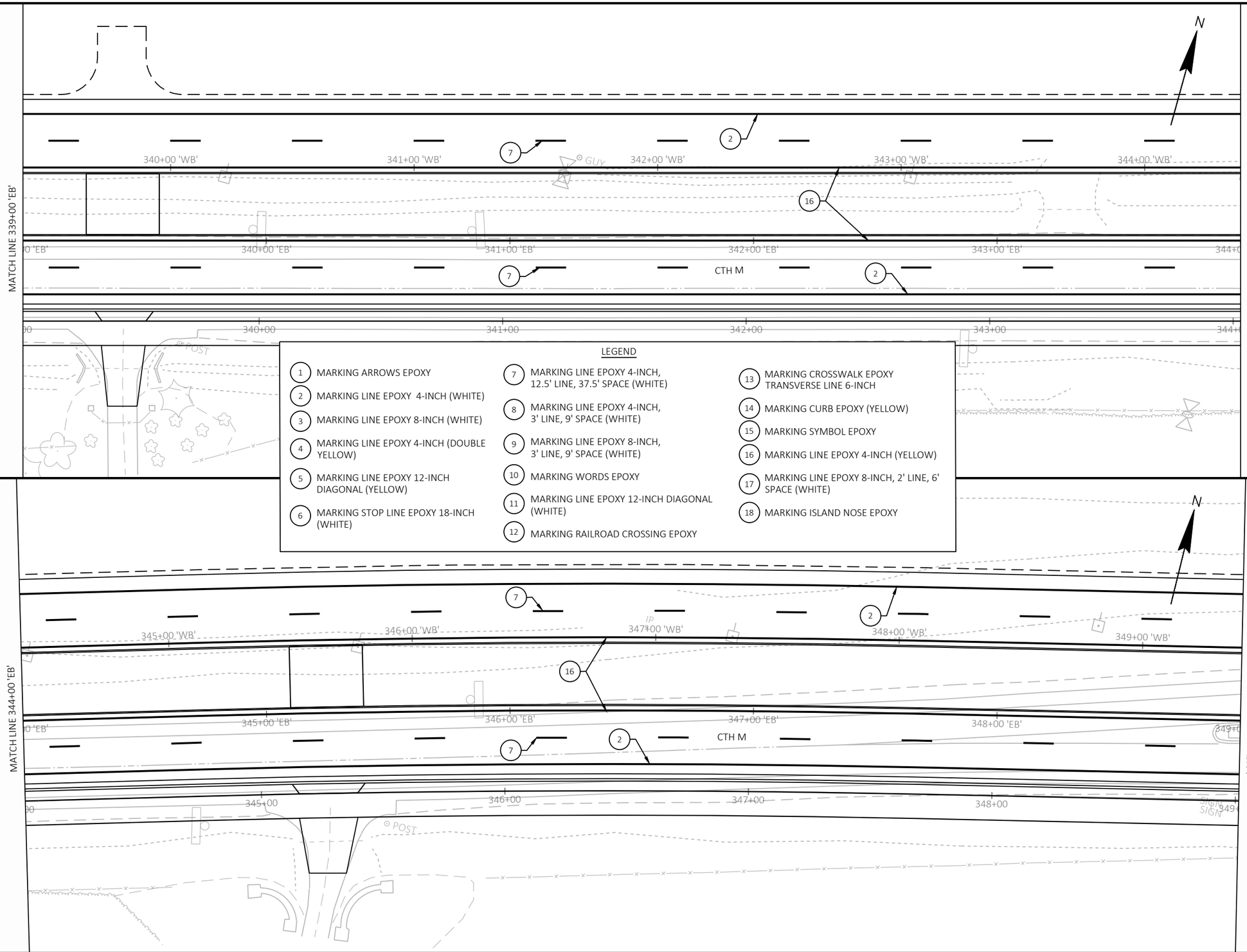
1. MARKING ARROWS EPOXY
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 8-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
5. MARKING LINE EPOXY 12-INCH DIAGONAL (YELLOW)
6. MARKING STOP LINE EPOXY 18-INCH (WHITE)
7. MARKING LINE EPOXY 4-INCH, 12.5' LINE, 37.5' SPACE (WHITE)
8. MARKING LINE EPOXY 4-INCH, 3' LINE, 9' SPACE (WHITE)
9. MARKING LINE EPOXY 8-INCH, 3' LINE, 9' SPACE (WHITE)
10. MARKING WORDS EPOXY
11. MARKING LINE EPOXY 12-INCH DIAGONAL (WHITE)
12. MARKING RAILROAD CROSSING EPOXY
13. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
14. MARKING CURB EPOXY (YELLOW)
15. MARKING SYMBOL EPOXY
16. MARKING LINE EPOXY 4-INCH (YELLOW)
17. MARKING LINE EPOXY 8-INCH, 2' LINE, 6' SPACE (WHITE)
18. MARKING ISLAND NOSE EPOXY

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PAVEMENT MARKING - CTH M	SHEET 231	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\024501-PM.DWG
LAYOUT NAME - 08
PLOT DATE : 5/10/2023 8:12 AM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

2



LEGEND

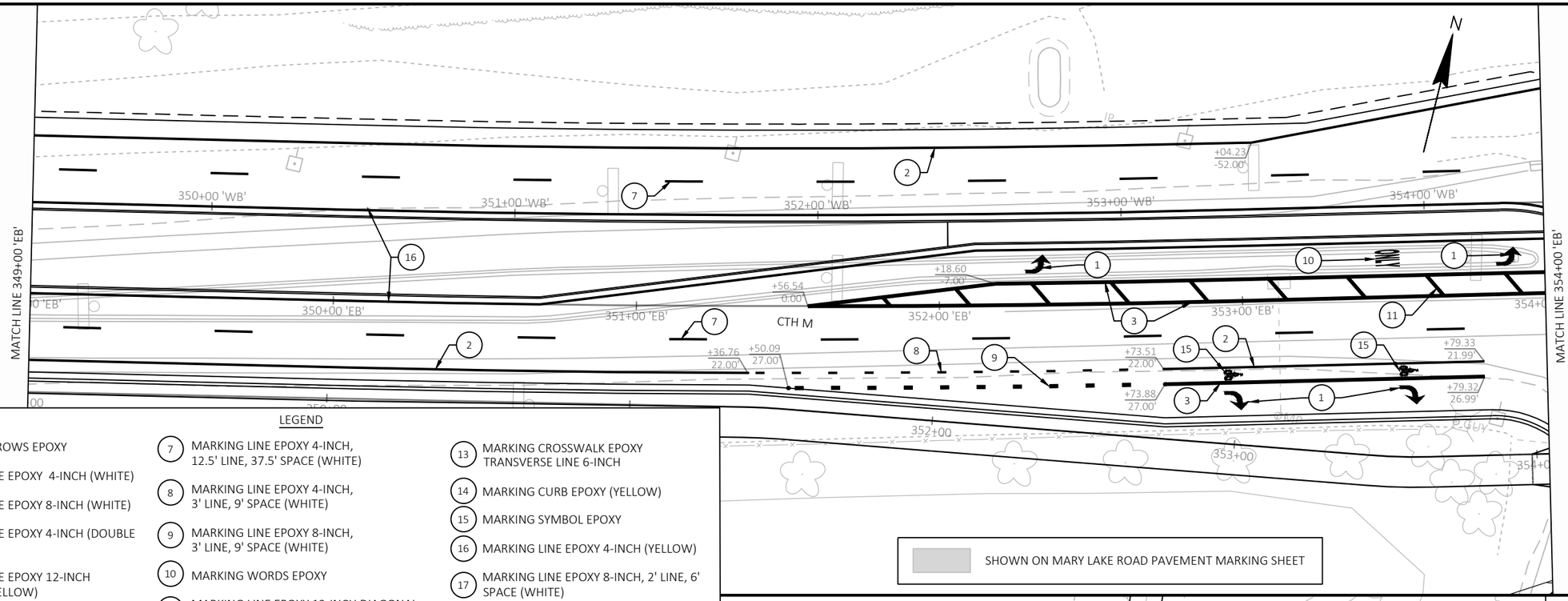
1. MARKING ARROWS EPOXY
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 8-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
5. MARKING LINE EPOXY 12-INCH DIAGONAL (YELLOW)
6. MARKING STOP LINE EPOXY 18-INCH (WHITE)
7. MARKING LINE EPOXY 4-INCH, 12.5' LINE, 37.5' SPACE (WHITE)
8. MARKING LINE EPOXY 4-INCH, 3' LINE, 9' SPACE (WHITE)
9. MARKING LINE EPOXY 8-INCH, 3' LINE, 9' SPACE (WHITE)
10. MARKING WORDS EPOXY
11. MARKING LINE EPOXY 12-INCH DIAGONAL (WHITE)
12. MARKING RAILROAD CROSSING EPOXY
13. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
14. MARKING CURB EPOXY (YELLOW)
15. MARKING SYMBOL EPOXY
16. MARKING LINE EPOXY 4-INCH (YELLOW)
17. MARKING LINE EPOXY 8-INCH, 2' LINE, 6' SPACE (WHITE)
18. MARKING ISLAND NOSE EPOXY

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PAVEMENT MARKING - CTH M	SHEET 232	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\024501-PM.DWG
LAYOUT NAME - 09

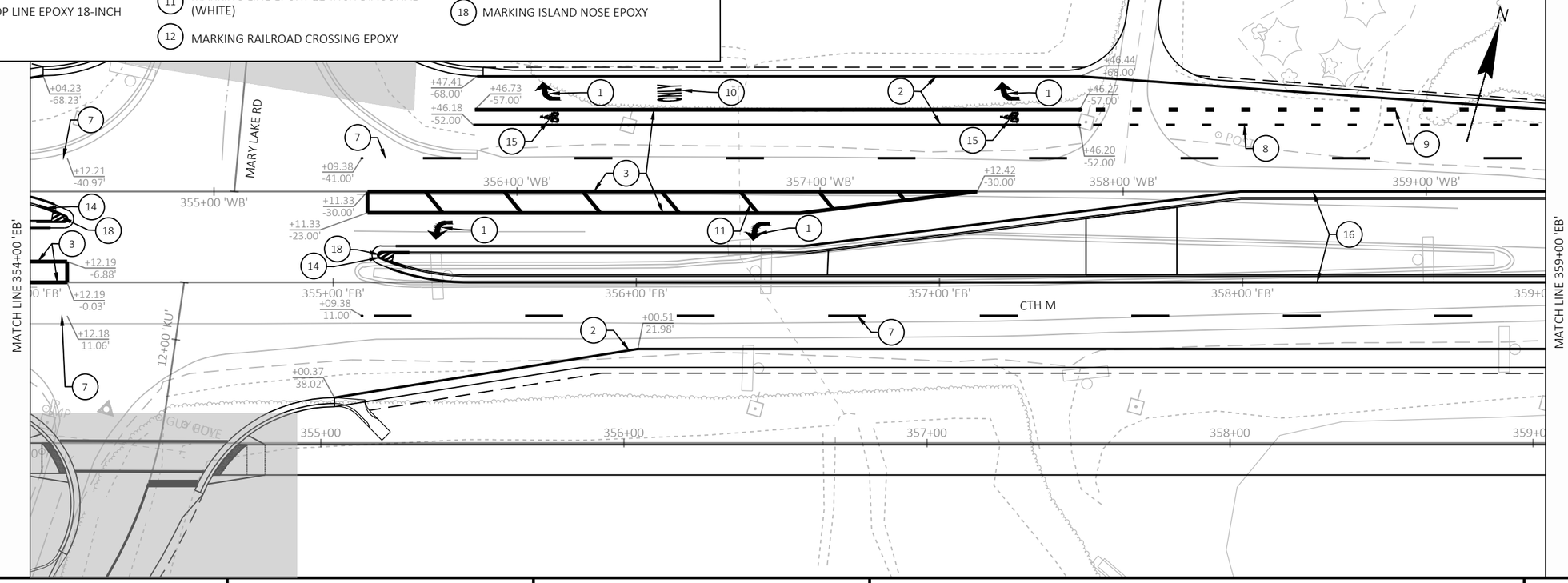
PLOT DATE : 5/10/2023 8:13 AM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



LEGEND

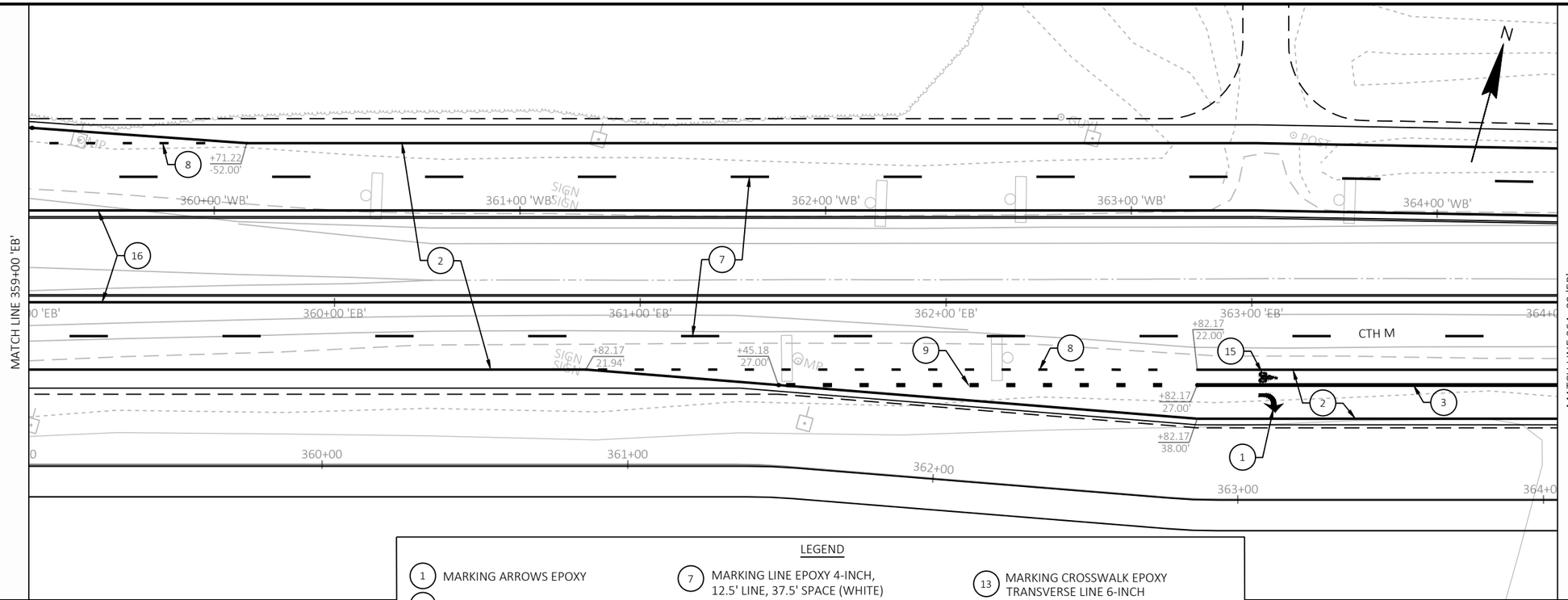
1. MARKING ARROWS EPOXY
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 8-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
5. MARKING LINE EPOXY 12-INCH DIAGONAL (YELLOW)
6. MARKING STOP LINE EPOXY 18-INCH (WHITE)
7. MARKING LINE EPOXY 4-INCH, 12.5' LINE, 37.5' SPACE (WHITE)
8. MARKING LINE EPOXY 4-INCH, 3' LINE, 9' SPACE (WHITE)
9. MARKING LINE EPOXY 8-INCH, 3' LINE, 9' SPACE (WHITE)
10. MARKING WORDS EPOXY
11. MARKING LINE EPOXY 12-INCH DIAGONAL (WHITE)
12. MARKING RAILROAD CROSSING EPOXY
13. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
14. MARKING CURB EPOXY (YELLOW)
15. MARKING SYMBOL EPOXY
16. MARKING LINE EPOXY 4-INCH (YELLOW)
17. MARKING LINE EPOXY 8-INCH, 2' LINE, 6' SPACE (WHITE)
18. MARKING ISLAND NOSE EPOXY



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PAVEMENT MARKING - CTH M	SHEET 233 E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\024501-PM.DWG
LAYOUT NAME - 10

PLOT DATE : 5/10/2023 8:14 AM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT



LEGEND

1. MARKING ARROWS EPOXY
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 8-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
5. MARKING LINE EPOXY 12-INCH DIAGONAL (YELLOW)
6. MARKING STOP LINE EPOXY 18-INCH (WHITE)
7. MARKING LINE EPOXY 4-INCH, 12.5' LINE, 37.5' SPACE (WHITE)
8. MARKING LINE EPOXY 4-INCH, 3' LINE, 9' SPACE (WHITE)
9. MARKING LINE EPOXY 8-INCH, 3' LINE, 9' SPACE (WHITE)
10. MARKING WORDS EPOXY
11. MARKING LINE EPOXY 12-INCH DIAGONAL (WHITE)
12. MARKING RAILROAD CROSSING EPOXY
13. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
14. MARKING CURB EPOXY (YELLOW)
15. MARKING SYMBOL EPOXY
16. MARKING LINE EPOXY 4-INCH (YELLOW)
17. MARKING LINE EPOXY 8-INCH, 2' LINE, 6' SPACE (WHITE)
18. MARKING ISLAND NOSE EPOXY

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PAVEMENT MARKING - CTH M	SHEET 234	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\024501-PM.DWG
LAYOUT NAME - 11
PLOT DATE : 5/10/2023 8:14 AM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

2

LEGEND

1. MARKING ARROWS EPOXY
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 8-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
5. MARKING LINE EPOXY 12-INCH DIAGONAL (YELLOW)
6. MARKING STOP LINE EPOXY 18-INCH (WHITE)
7. MARKING LINE EPOXY 4-INCH, 12.5' LINE, 37.5' SPACE (WHITE)
8. MARKING LINE EPOXY 4-INCH, 3' LINE, 9' SPACE (WHITE)
9. MARKING LINE EPOXY 8-INCH, 3' LINE, 9' SPACE (WHITE)
10. MARKING WORDS EPOXY
11. MARKING LINE EPOXY 12-INCH DIAGONAL (WHITE)
12. MARKING RAILROAD CROSSING EPOXY
13. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
14. MARKING CURB EPOXY (YELLOW)
15. MARKING SYMBOL EPOXY
16. MARKING LINE EPOXY 4-INCH (YELLOW)
17. MARKING LINE EPOXY 8-INCH, 2' LINE, 6' SPACE (WHITE)
18. MARKING ISLAND NOSE EPOXY

N

MATCH LINE 364+00 'EB'

MATCH LINE 369+00 'EB'

CTH M

WILLOW RD

365+00 'WB'
366+00 'WB'
367+00 'WB'
368+00 'WB'
369+00 'WB'
365+00 'EB'
366+00 'EB'
367+00 'EB'
368+00 'EB'
11+00 'WW'
12+00 'WW'
365+00

+82.40 22.00'
+82.40 27.00'
+83.30 38.00'
+46.03 0.00'
+01.09 38.41'
+02.59 22.00'
+34.49 0.00'

POST
SIGN
WH
AMP
AG

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PAVEMENT MARKING - CTH M	SHEET 235	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\024501-PM.DWG
LAYOUT NAME - 12

PLOT DATE : 5/10/2023 8:15 AM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

MATCH LINE 369+00 'EB'

370+00 'WB'
371+00 'WB'
372+00 'WB'
373+00 'WB'
374+00 'WB'
370+00 'EB'
371+00 'EB'
372+00 'EB'
373+00 'EB'
CTH M
+59.57
22.00'
MATCH LINE 374+00 'EB'
IP
SIGN
SIGN
POST
POST
W
W

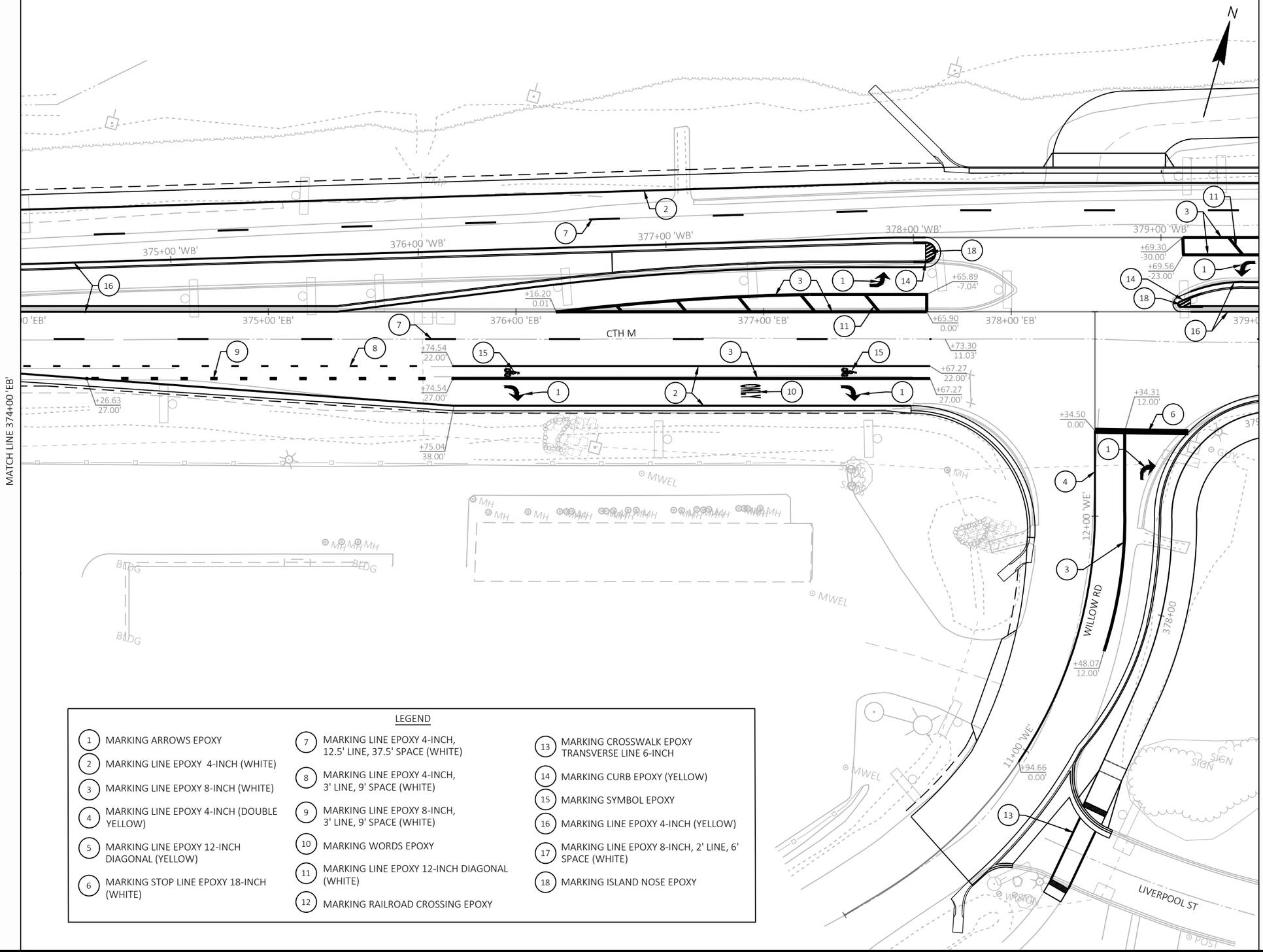
LEGEND

1. MARKING ARROWS EPOXY
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 8-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
5. MARKING LINE EPOXY 12-INCH DIAGONAL (YELLOW)
6. MARKING STOP LINE EPOXY 18-INCH (WHITE)
7. MARKING LINE EPOXY 4-INCH, 12.5' LINE, 37.5' SPACE (WHITE)
8. MARKING LINE EPOXY 4-INCH, 3' LINE, 9' SPACE (WHITE)
9. MARKING LINE EPOXY 8-INCH, 3' LINE, 9' SPACE (WHITE)
10. MARKING WORDS EPOXY
11. MARKING LINE EPOXY 12-INCH DIAGONAL (WHITE)
12. MARKING RAILROAD CROSSING EPOXY
13. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
14. MARKING CURB EPOXY (YELLOW)
15. MARKING SYMBOL EPOXY
16. MARKING LINE EPOXY 4-INCH (YELLOW)
17. MARKING LINE EPOXY 8-INCH, 2' LINE, 6' SPACE (WHITE)
18. MARKING ISLAND NOSE EPOXY

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PAVEMENT MARKING - CTH M	SHEET 236	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\024501-PM.DWG
LAYOUT NAME - 13
PLOT DATE : 5/10/2023 8:15 AM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



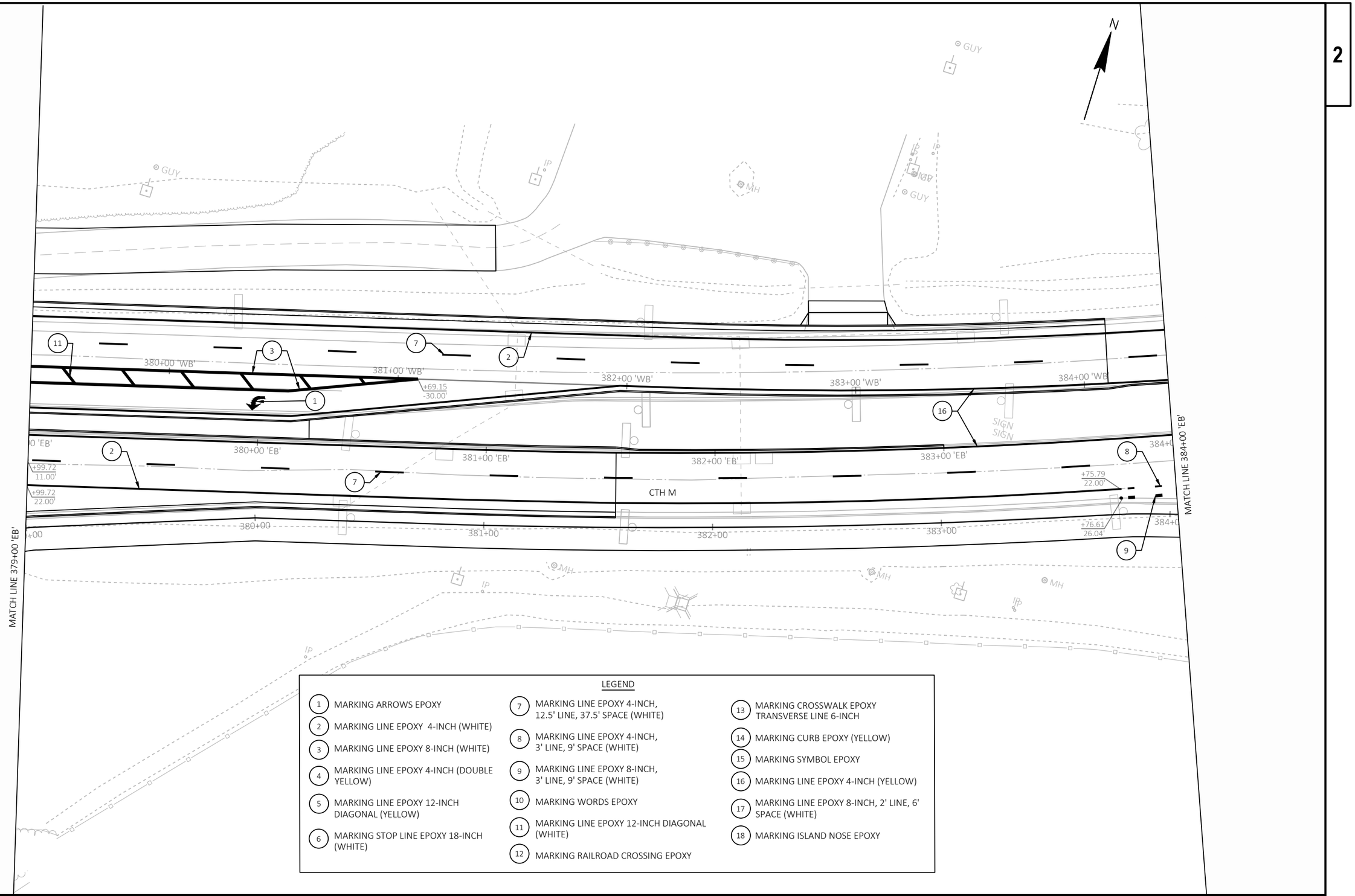
LEGEND

1. MARKING ARROWS EPOXY
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 8-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
5. MARKING LINE EPOXY 12-INCH DIAGONAL (YELLOW)
6. MARKING STOP LINE EPOXY 18-INCH (WHITE)
7. MARKING LINE EPOXY 4-INCH, 12.5' LINE, 37.5' SPACE (WHITE)
8. MARKING LINE EPOXY 4-INCH, 3' LINE, 9' SPACE (WHITE)
9. MARKING LINE EPOXY 8-INCH, 3' LINE, 9' SPACE (WHITE)
10. MARKING WORDS EPOXY
11. MARKING LINE EPOXY 12-INCH DIAGONAL (WHITE)
12. MARKING RAILROAD CROSSING EPOXY
13. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
14. MARKING CURB EPOXY (YELLOW)
15. MARKING SYMBOL EPOXY
16. MARKING LINE EPOXY 4-INCH (YELLOW)
17. MARKING LINE EPOXY 8-INCH, 2' LINE, 6' SPACE (WHITE)
18. MARKING ISLAND NOSE EPOXY

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PAVEMENT MARKING - CTH M	SHEET 237	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\024501-PM.DWG
LAYOUT NAME - 14
PLOT DATE : 5/10/2023 8:15 AM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



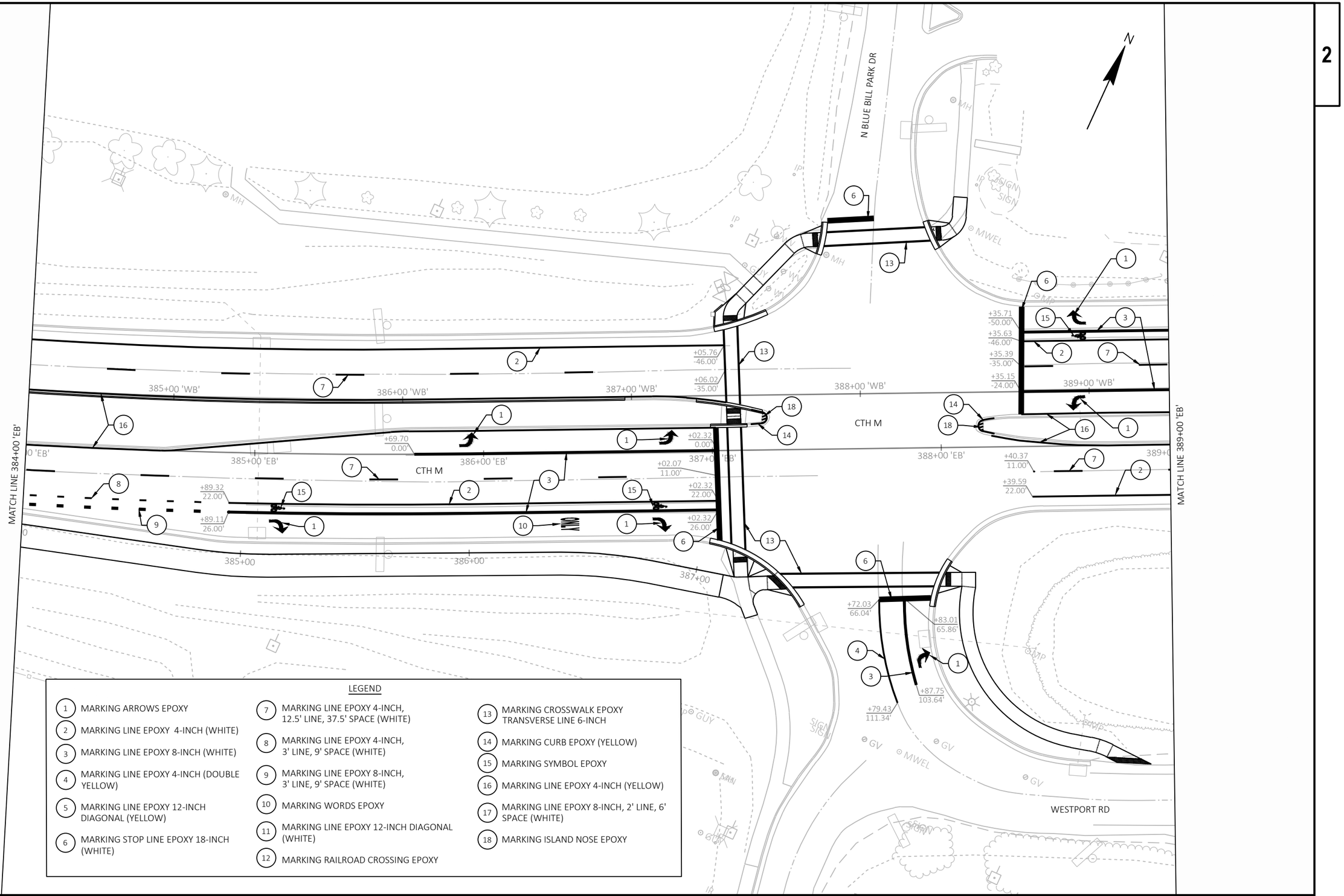
LEGEND

1. MARKING ARROWS EPOXY
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 8-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
5. MARKING LINE EPOXY 12-INCH DIAGONAL (YELLOW)
6. MARKING STOP LINE EPOXY 18-INCH (WHITE)
7. MARKING LINE EPOXY 4-INCH, 12.5' LINE, 37.5' SPACE (WHITE)
8. MARKING LINE EPOXY 4-INCH, 3' LINE, 9' SPACE (WHITE)
9. MARKING LINE EPOXY 8-INCH, 3' LINE, 9' SPACE (WHITE)
10. MARKING WORDS EPOXY
11. MARKING LINE EPOXY 12-INCH DIAGONAL (WHITE)
12. MARKING RAILROAD CROSSING EPOXY
13. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
14. MARKING CURB EPOXY (YELLOW)
15. MARKING SYMBOL EPOXY
16. MARKING LINE EPOXY 4-INCH (YELLOW)
17. MARKING LINE EPOXY 8-INCH, 2' LINE, 6' SPACE (WHITE)
18. MARKING ISLAND NOSE EPOXY

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PAVEMENT MARKING - CTH M	SHEET 238	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\024501-PM.DWG
LAYOUT NAME - 15
PLOT DATE : 5/10/2023 8:16 AM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

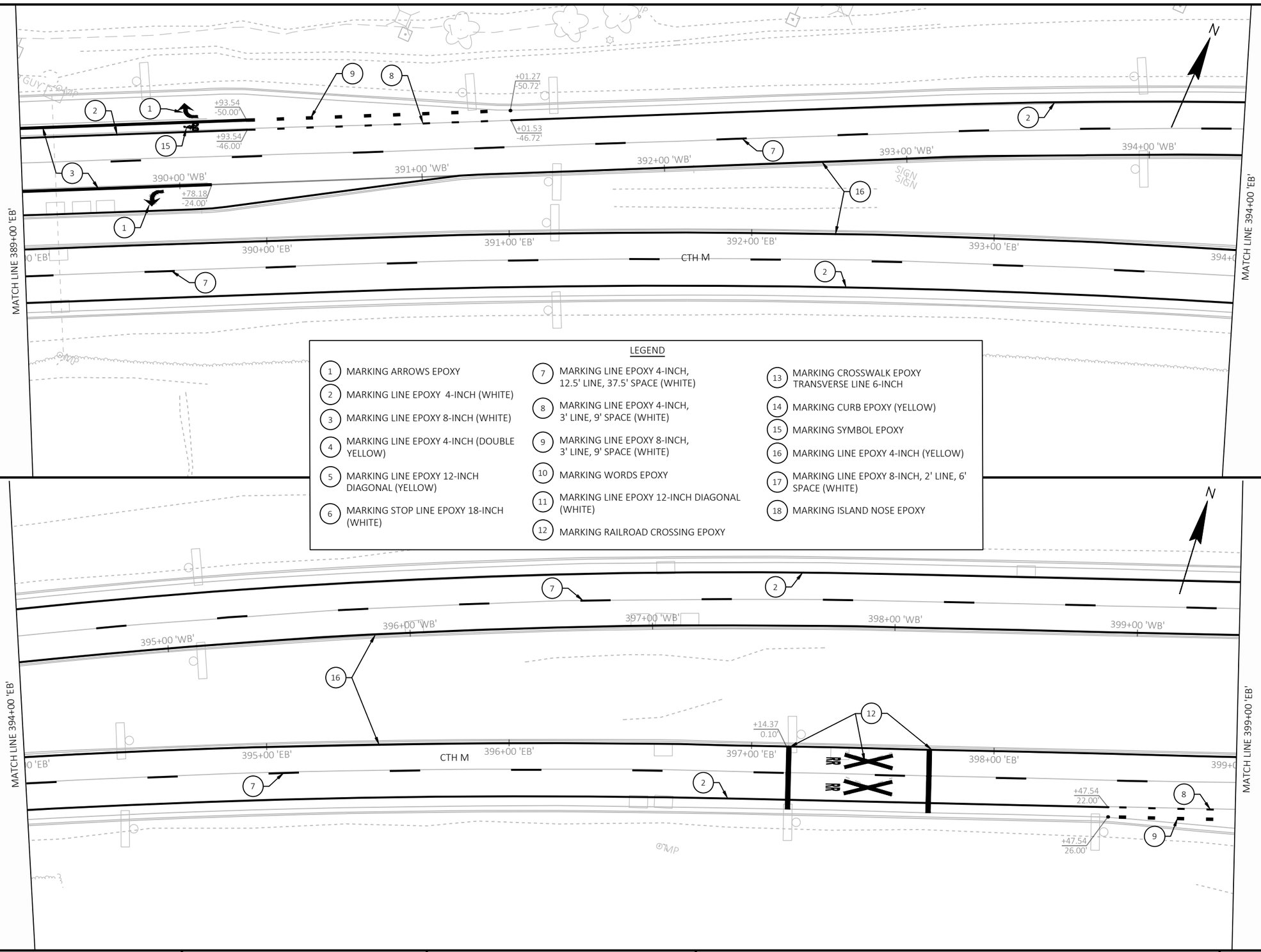


LEGEND

1. MARKING ARROWS EPOXY
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 8-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
5. MARKING LINE EPOXY 12-INCH DIAGONAL (YELLOW)
6. MARKING STOP LINE EPOXY 18-INCH (WHITE)
7. MARKING LINE EPOXY 4-INCH, 12.5' LINE, 37.5' SPACE (WHITE)
8. MARKING LINE EPOXY 4-INCH, 3' LINE, 9' SPACE (WHITE)
9. MARKING LINE EPOXY 8-INCH, 3' LINE, 9' SPACE (WHITE)
10. MARKING WORDS EPOXY
11. MARKING LINE EPOXY 12-INCH DIAGONAL (WHITE)
12. MARKING RAILROAD CROSSING EPOXY
13. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
14. MARKING CURB EPOXY (YELLOW)
15. MARKING SYMBOL EPOXY
16. MARKING LINE EPOXY 4-INCH (YELLOW)
17. MARKING LINE EPOXY 8-INCH, 2' LINE, 6' SPACE (WHITE)
18. MARKING ISLAND NOSE EPOXY

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PAVEMENT MARKING - CTH M	SHEET 239	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\024501-PM.DWG
LAYOUT NAME - 16
PLOT DATE : 5/10/2023 8:16 AM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

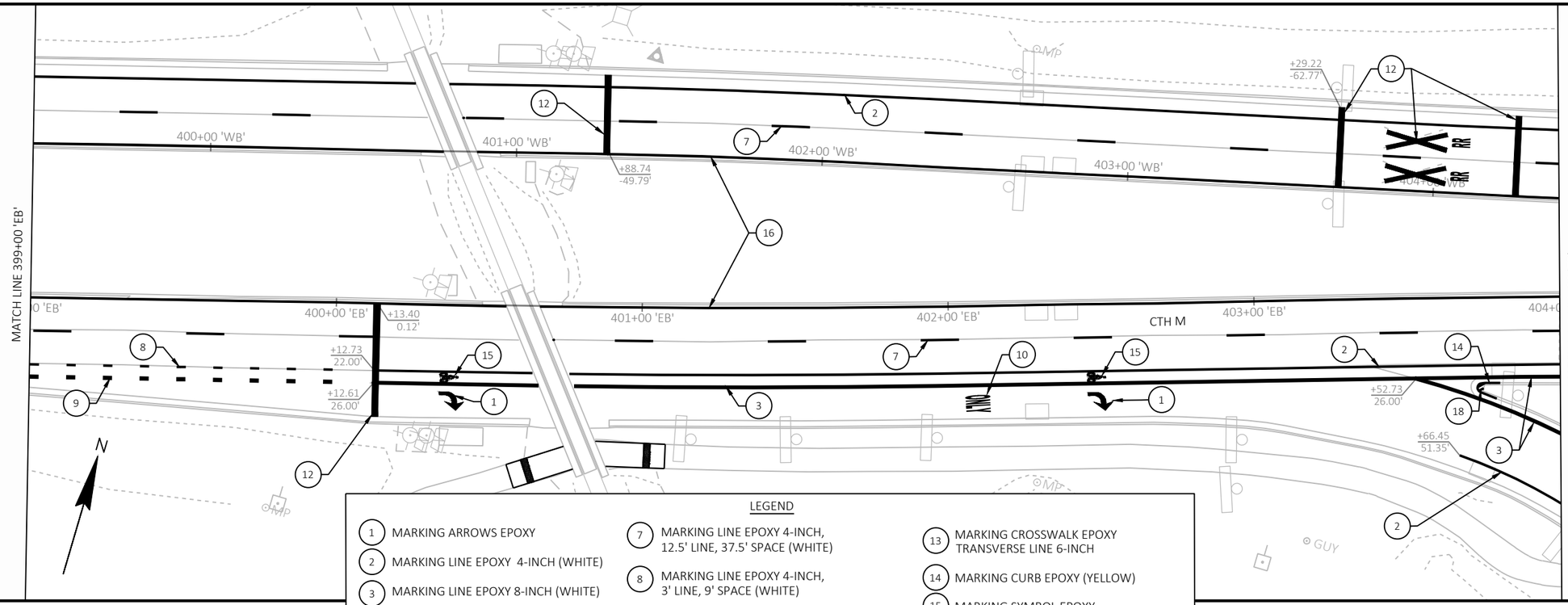


LEGEND

1. MARKING ARROWS EPOXY
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 8-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
5. MARKING LINE EPOXY 12-INCH DIAGONAL (YELLOW)
6. MARKING STOP LINE EPOXY 18-INCH (WHITE)
7. MARKING LINE EPOXY 4-INCH, 12.5' LINE, 37.5' SPACE (WHITE)
8. MARKING LINE EPOXY 4-INCH, 3' LINE, 9' SPACE (WHITE)
9. MARKING LINE EPOXY 8-INCH, 3' LINE, 9' SPACE (WHITE)
10. MARKING WORDS EPOXY
11. MARKING LINE EPOXY 12-INCH DIAGONAL (WHITE)
12. MARKING RAILROAD CROSSING EPOXY
13. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
14. MARKING CURB EPOXY (YELLOW)
15. MARKING SYMBOL EPOXY
16. MARKING LINE EPOXY 4-INCH (YELLOW)
17. MARKING LINE EPOXY 8-INCH, 2' LINE, 6' SPACE (WHITE)
18. MARKING ISLAND NOSE EPOXY

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PAVEMENT MARKING - CTH M	SHEET 240	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\024501-PM.DWG
LAYOUT NAME - 17
PLOT DATE : 5/10/2023 8:17 AM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



LEGEND

1. MARKING ARROWS EPOXY
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 8-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
5. MARKING LINE EPOXY 12-INCH DIAGONAL (YELLOW)
6. MARKING STOP LINE EPOXY 18-INCH (WHITE)
7. MARKING LINE EPOXY 4-INCH, 12.5' LINE, 37.5' SPACE (WHITE)
8. MARKING LINE EPOXY 4-INCH, 3' LINE, 9' SPACE (WHITE)
9. MARKING LINE EPOXY 8-INCH, 3' LINE, 9' SPACE (WHITE)
10. MARKING WORDS EPOXY
11. MARKING LINE EPOXY 12-INCH DIAGONAL (WHITE)
12. MARKING RAILROAD CROSSING EPOXY
13. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
14. MARKING CURB EPOXY (YELLOW)
15. MARKING SYMBOL EPOXY
16. MARKING LINE EPOXY 4-INCH (YELLOW)
17. MARKING LINE EPOXY 8-INCH, 2' LINE, 6' SPACE (WHITE)
18. MARKING ISLAND NOSE EPOXY

2

LEGEND

1. MARKING ARROWS EPOXY
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 8-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
5. MARKING LINE EPOXY 12-INCH DIAGONAL (YELLOW)
6. MARKING STOP LINE EPOXY 18-INCH (WHITE)
7. MARKING LINE EPOXY 4-INCH, 12.5' LINE, 37.5' SPACE (WHITE)
8. MARKING LINE EPOXY 4-INCH, 3' LINE, 9' SPACE (WHITE)
9. MARKING LINE EPOXY 8-INCH, 3' LINE, 9' SPACE (WHITE)
10. MARKING WORDS EPOXY
11. MARKING LINE EPOXY 12-INCH DIAGONAL (WHITE)
12. MARKING RAILROAD CROSSING EPOXY
13. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
14. MARKING CURB EPOXY (YELLOW)
15. MARKING SYMBOL EPOXY
16. MARKING LINE EPOXY 4-INCH (YELLOW)
17. MARKING LINE EPOXY 8-INCH, 2' LINE, 6' SPACE (WHITE)
18. MARKING ISLAND NOSE EPOXY

N

MATCH LINE 404+00 'EB'

405+00 'WB'

406+00 'WB'

405+00 'EB'

406+00 'EB'

CTH M

STH 113

+44.03
-52.65'

+92.15
-40.99'

MH

+11.38
11.00'

+11.47
22.00'

EL

+26.58
60.80'

+33.93
66.70'

+14.28
76.91'

+21.52
82.45'

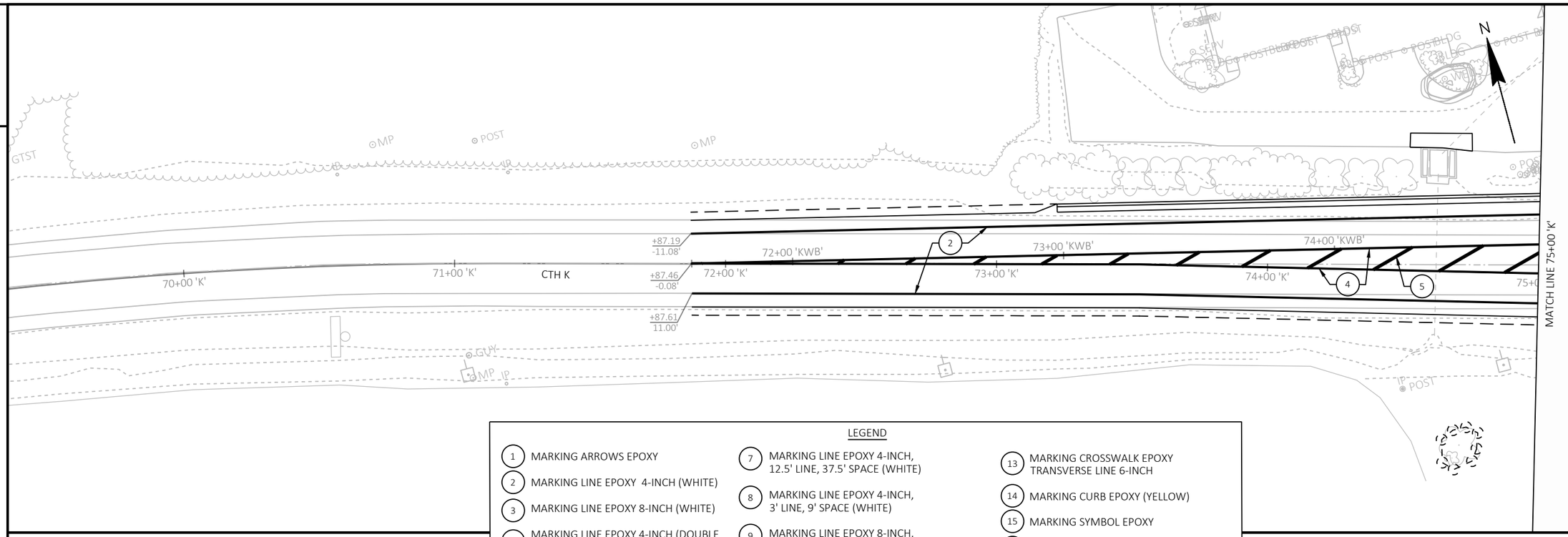
+04.75
175.55'

+85.25
177.71'

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PAVEMENT MARKING - CTH M	SHEET 242	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\024501-PM.DWG
LAYOUT NAME - 19

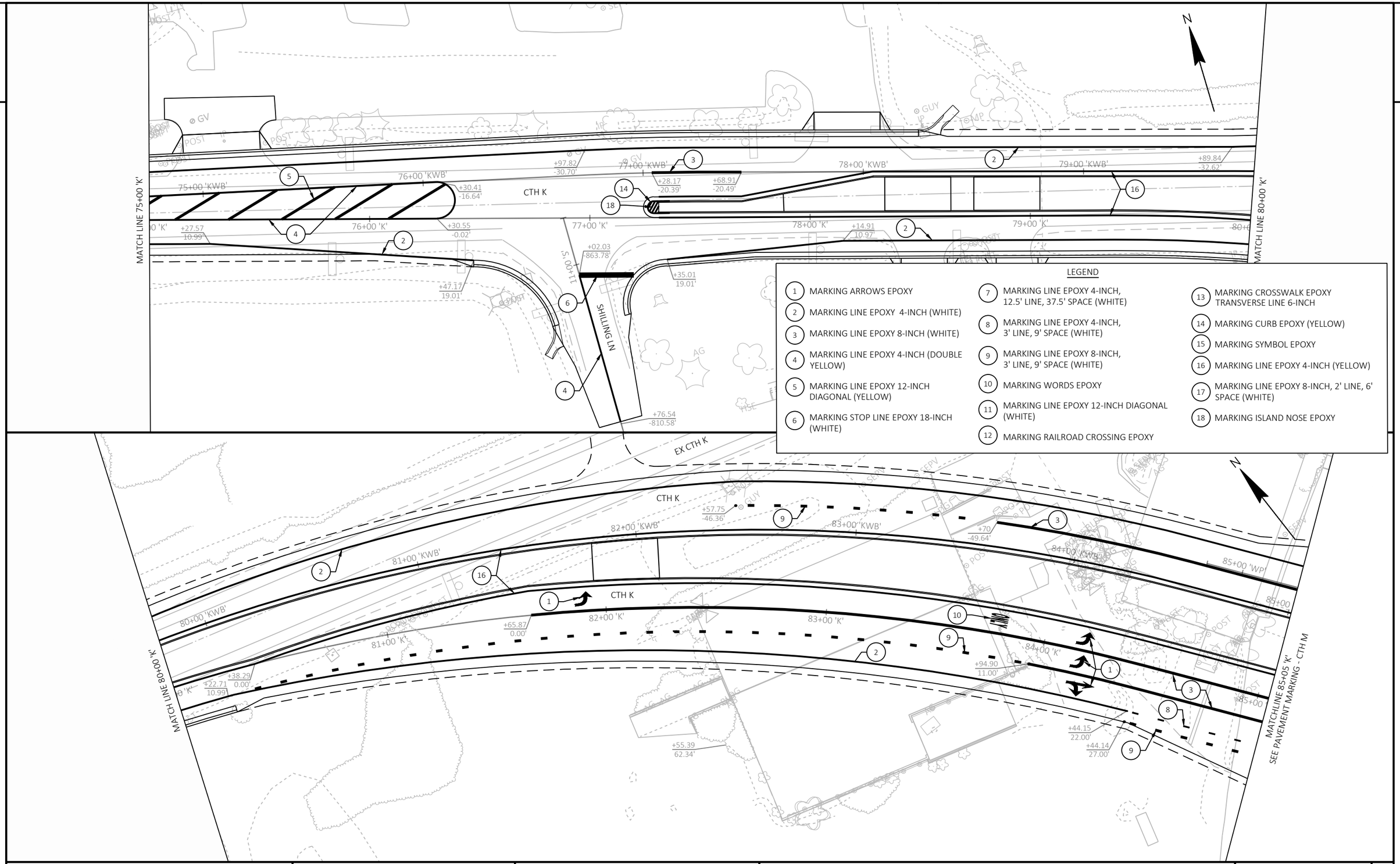
PLOT DATE : 5/10/2023 8:18 AM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT



LEGEND

1. MARKING ARROWS EPOXY
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 8-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
5. MARKING LINE EPOXY 12-INCH DIAGONAL (YELLOW)
6. MARKING STOP LINE EPOXY 18-INCH (WHITE)
7. MARKING LINE EPOXY 4-INCH, 12.5' LINE, 37.5' SPACE (WHITE)
8. MARKING LINE EPOXY 4-INCH, 3' LINE, 9' SPACE (WHITE)
9. MARKING LINE EPOXY 8-INCH, 3' LINE, 9' SPACE (WHITE)
10. MARKING WORDS EPOXY
11. MARKING LINE EPOXY 12-INCH DIAGONAL (WHITE)
12. MARKING RAILROAD CROSSING EPOXY
13. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
14. MARKING CURB EPOXY (YELLOW)
15. MARKING SYMBOL EPOXY
16. MARKING LINE EPOXY 4-INCH (YELLOW)
17. MARKING LINE EPOXY 8-INCH, 2' LINE, 6' SPACE (WHITE)
18. MARKING ISLAND NOSE EPOXY

2

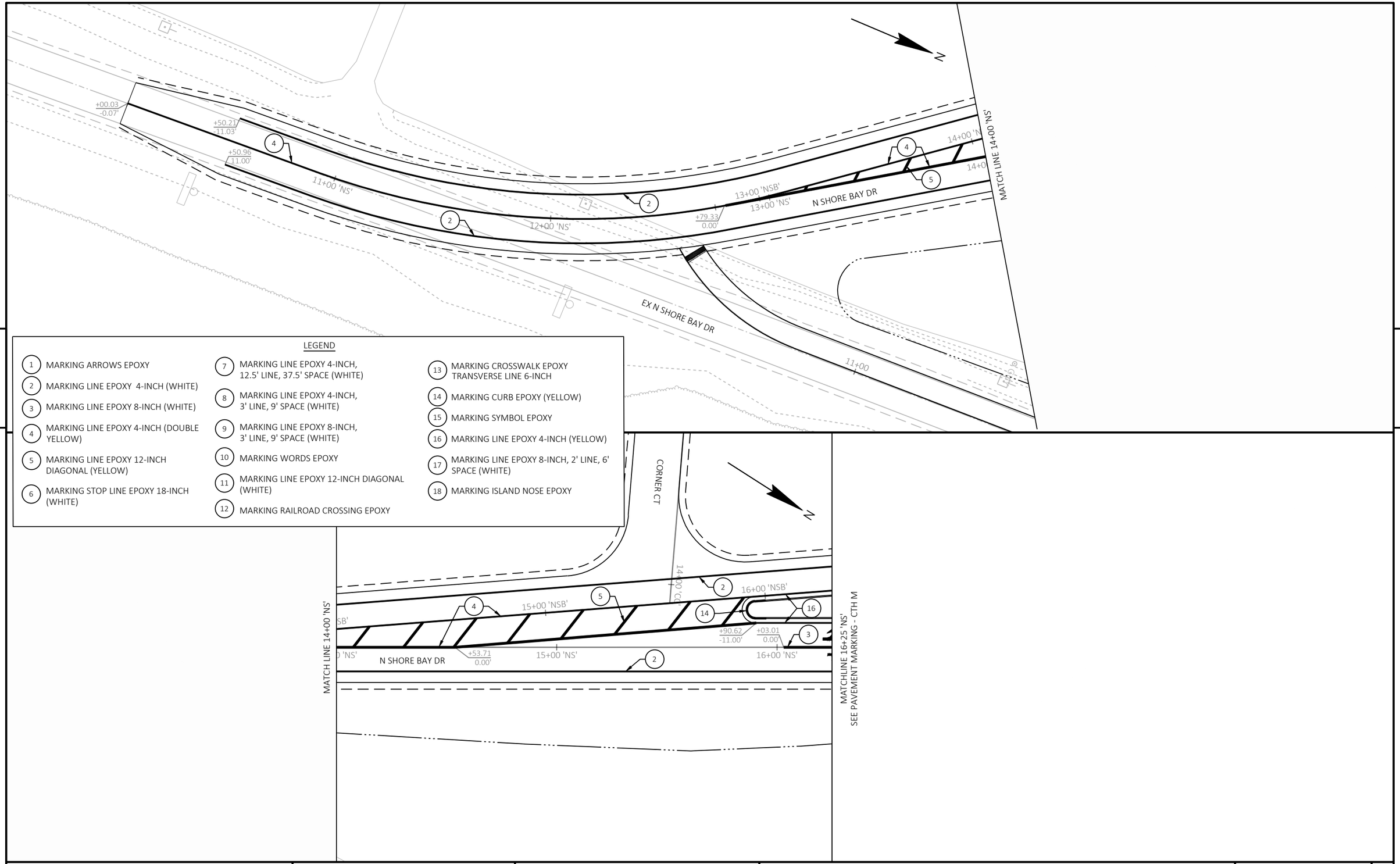


LEGEND

1. MARKING ARROWS EPOXY
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 8-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
5. MARKING LINE EPOXY 12-INCH DIAGONAL (YELLOW)
6. MARKING STOP LINE EPOXY 18-INCH (WHITE)
7. MARKING LINE EPOXY 4-INCH, 12.5' LINE, 37.5' SPACE (WHITE)
8. MARKING LINE EPOXY 4-INCH, 3' LINE, 9' SPACE (WHITE)
9. MARKING LINE EPOXY 8-INCH, 3' LINE, 9' SPACE (WHITE)
10. MARKING WORDS EPOXY
11. MARKING LINE EPOXY 12-INCH DIAGONAL (WHITE)
12. MARKING RAILROAD CROSSING EPOXY
13. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
14. MARKING CURB EPOXY (YELLOW)
15. MARKING SYMBOL EPOXY
16. MARKING LINE EPOXY 4-INCH (YELLOW)
17. MARKING LINE EPOXY 8-INCH, 2' LINE, 6' SPACE (WHITE)
18. MARKING ISLAND NOSE EPOXY

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PAVEMENT MARKING - CTH K	SHEET 244	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\024501-PM.DWG
LAYOUT NAME - 21
PLOT DATE : 5/10/2023 8:20 AM
PLOT BY : MORGAN JOHNSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

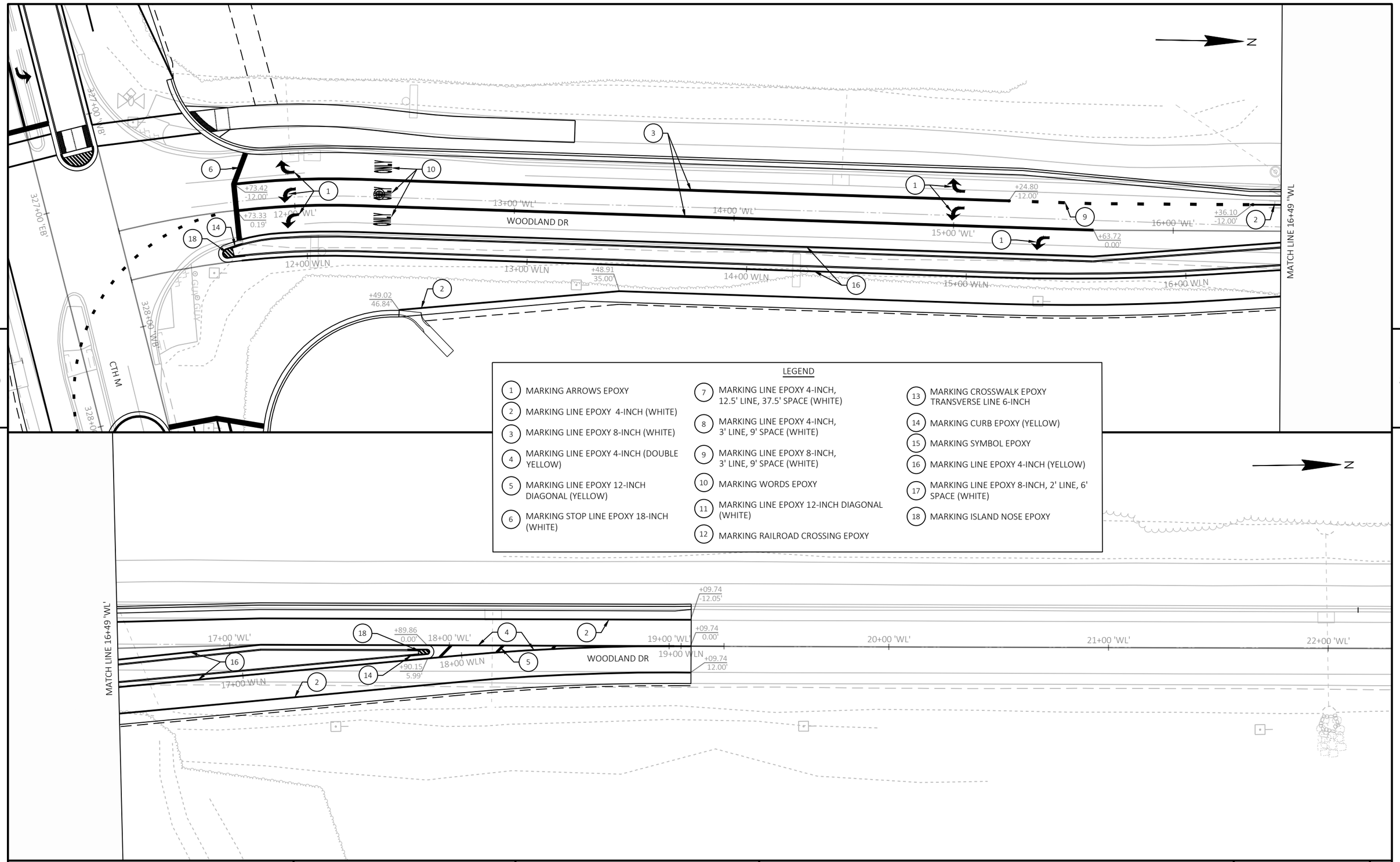


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PAVEMENT MARKING - NORTH SHORE BAY DRIVE	SHEET 245	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\024501-PM.DWG
LAYOUT NAME - 22

PLOT DATE : 5/10/2023 8:21 AM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

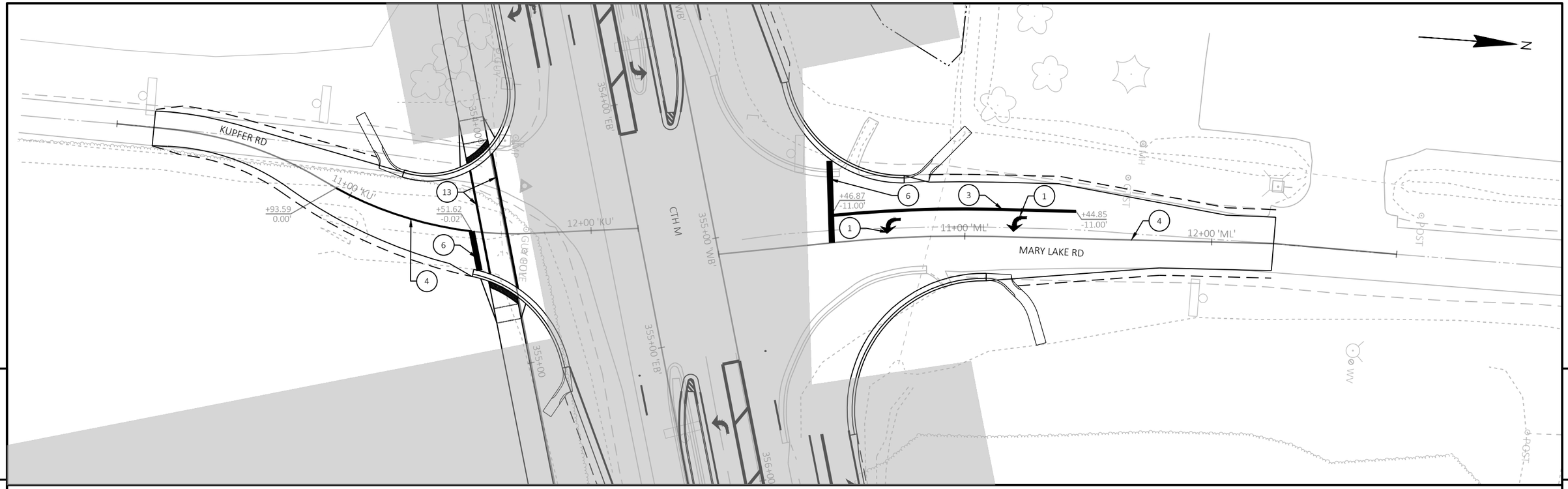
WISDOT/CADDS SHEET 44



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PAVEMENT MARKING - WOODLAND DR	SHEET 246	E

FILE NAME : M:\PROJECTS\11000\11224.01\CAD_BIM\59540002\SHEETS\024501-PM.DWG
LAYOUT NAME - 23

PLOT DATE : 5/10/2023 8:22 AM PLOT BY : MORGAN JOHNSON PLOT NAME : PLOT SCALE : 1 IN:40 FT



5

5

LEGEND

1. MARKING ARROWS EPOXY
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 8-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
5. MARKING LINE EPOXY 12-INCH DIAGONAL (YELLOW)
6. MARKING STOP LINE EPOXY 18-INCH (WHITE)
7. MARKING LINE EPOXY 4-INCH, 12.5' LINE, 37.5' SPACE (WHITE)
8. MARKING LINE EPOXY 4-INCH, 3' LINE, 9' SPACE (WHITE)
9. MARKING LINE EPOXY 8-INCH, 3' LINE, 9' SPACE (WHITE)
10. MARKING WORDS EPOXY
11. MARKING LINE EPOXY 12-INCH DIAGONAL (WHITE)
12. MARKING RAILROAD CROSSING EPOXY
13. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
14. MARKING CURB EPOXY (YELLOW)
15. MARKING SYMBOL EPOXY
16. MARKING LINE EPOXY 4-INCH (YELLOW)
17. MARKING LINE EPOXY 8-INCH, 2' LINE, 6' SPACE (WHITE)
18. MARKING ISLAND NOSE EPOXY

SHOWN ON CTH M PAVEMENT MARKING SHEET

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PAVEMENT MARKING - MARY LAKE RD	SHEET 247	E

GENERAL NOTES FOR TRAFFIC CONTROL

1. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
2. A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE WORK AREAS IF WARRANTED BY CONDITIONS OR AS DIRECTED BY THE ENGINEER.
3. ALL SIGNS ARE 48" X 48" UNLESS NOTED.
4. "WO" IS THE "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.
5. FOR NIGHT TIME OPERATION ALL DRUMS IN TAPERS SHALL HAVE A TYPE "C" STEADY BURN WARNING LIGHT.
6. ALL TYPE III BARRICADES SHALL BE 8' WIDE, UNLESS OTHERWISE NOTED, AND EQUIPPED WITH TWO TYPE "A" (LOW INTENSITY FLASHING) LIGHTS.
7. DIMENSIONS TO CONCRETE BARRIER TEMPORARY PRECAST (CBTP) ARE TO THE FACE OF THE BARRIER AND ADJACENT TO TRAFFIC.
8. WHEN A SEGMENT OF THE PROJECT IS NOT SHOWN ON THE STAGING PLANS, USE THE SAME TRAFFIC CONTROL AS THE PREVIOUS STAGE FOR THAT SEGMENT.
9. EXISTING AND ADVANCE WARNING TRAFFIC SIGNS MAY REQUIRE RELOCATION DURING THE CONSTRUCTION STAGING, IT IS CONSIDERED INCIDENTAL TO THE PROJECT,
10. MAINTAIN LOCAL ACCESS AT ALL TIMES UNLESS OTHERWISE NOTED IN THE TRAFFIC CONTROL PLANS.

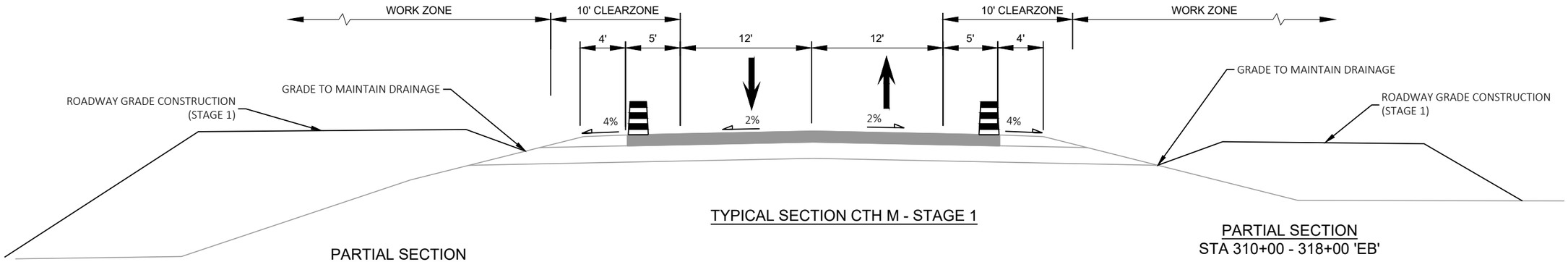
PORTABLE CHANGEABLE MESSGE BOARD MESSAGES

EVENT/LOCATION	PANEL 1	PANEL 2
START OF CONSTRUCTION	CTH M WORK TO BEGIN	STARTING (DATE)
ROAD CLOSURE	ROAD NAME TO CLOSE	STARTING (DATE)

TRAFFIC CONTROL LEGEND

	TRAFFIC CONTROL BARRICADE TYPE III		WORK AREA
	TRAFFIC CONTROL BARRICADE TYPE III (WITH ATTACHED SIGN)		HMA PAVEMENT COMPLETED IN PREVIOUS STAGE
	TRAFFIC CONTROL SIGNS (ON PERMANENT SUPPORT)		ASPHALTIC SURFACE TEMPORARY
	TRAFFIC CONTROL SIGNS (ON TEMPORARY SUPPORT)		DIRECTION OF TRAFFIC
	TRAFFIC CONTROL DRUMS	MB	PORTABLE CHANGEABLE MESSAGE BOARD
	TRAFFIC CONTROL DRUMS WITH TYPE C STEADY BURN LIGHT	CC	CRASH CUSHIONS TEMPORARY
	FLEXIBLE TUBULAR MARKERS	X X X	PAVEMENT MARKING REMOVAL
	TRAFFIC CONTROL ARROW BOARDS	XXXXXXXX	SAWCUT
	CONCRETE BARRIER TEMPORARY PRECAST		

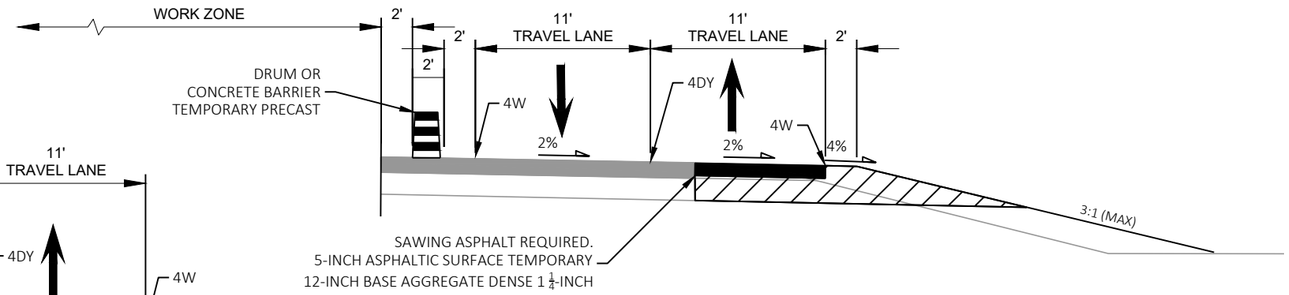
4W	TEMPORARY MARKING LINE PAINT, 4-INCH, WHITE
4WS	TEMPORARY MARKING LINE PAINT, 4-INCH, 3FT SKIPS/9FT GAP, WHITE
4YS	TEMPORARY MARKING LINE PAINT, 4-INCH, 2FT SKIPS/6FT GAP, YELLOW
4Y	TEMPORARY MARKING LINE PAINT, 4-INCH, YELLOW
4DY	TEMPORARY MARKING LINE PAINT, 4-INCH, DOUBLE YELLOW
8W	TEMPORARY MARKING LINE PAINT, 8-INCH, WHITE
8WS	TEMPORARY MARKING LINE PAINT, 8-INCH, 3FT SKIPS/9FT GAP, WHITE
18WS	TEMPORARY MARKING STOP LINE PAINT 18-INCH
4WT	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH, WHITE
4WST	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH, 3FT SKIPS/9FT GAP, WHITE
4YST	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH, 2FT SKIPS/6FT GAP, YELLOW
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH, YELLOW
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH, DOUBLE YELLOW
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH, WHITE
8WST	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
TPA	TEMPORARY MARKING ARROW, PAINT
TRTA	TEMPORARY MARKING ARROW, REMOVABLE TAPE
4WE	MARKING LINE EPOXY 4-INCH, WHITE (SEE PERMANENT MARKING PLAN)
8WE	MARKING LINE EPOXY 8-INCH, WHITE (SEE PERMANENT MARKING PLAN)



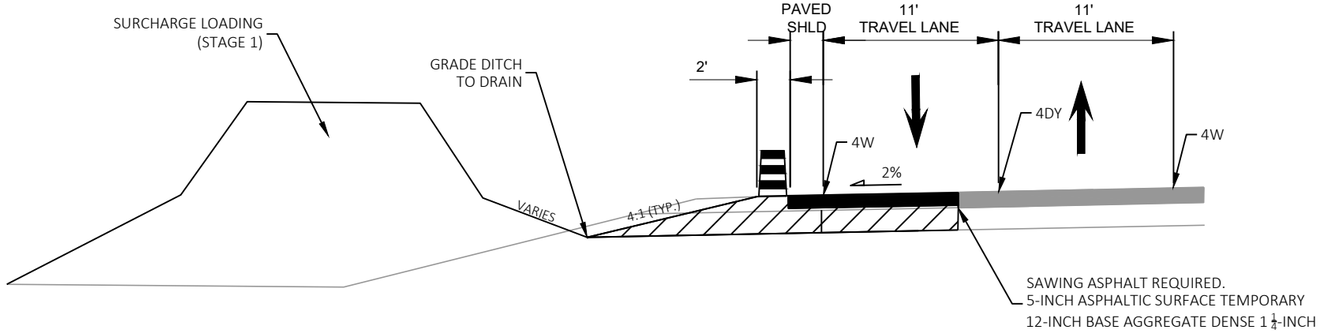
TYPICAL SECTION CTH M - STAGE 1

PARTIAL SECTION
STA 271+00 - 288+00 'WB'
STA 300+00 - 308+00 'WB'
STA 321+00 - 336+00 'WB'

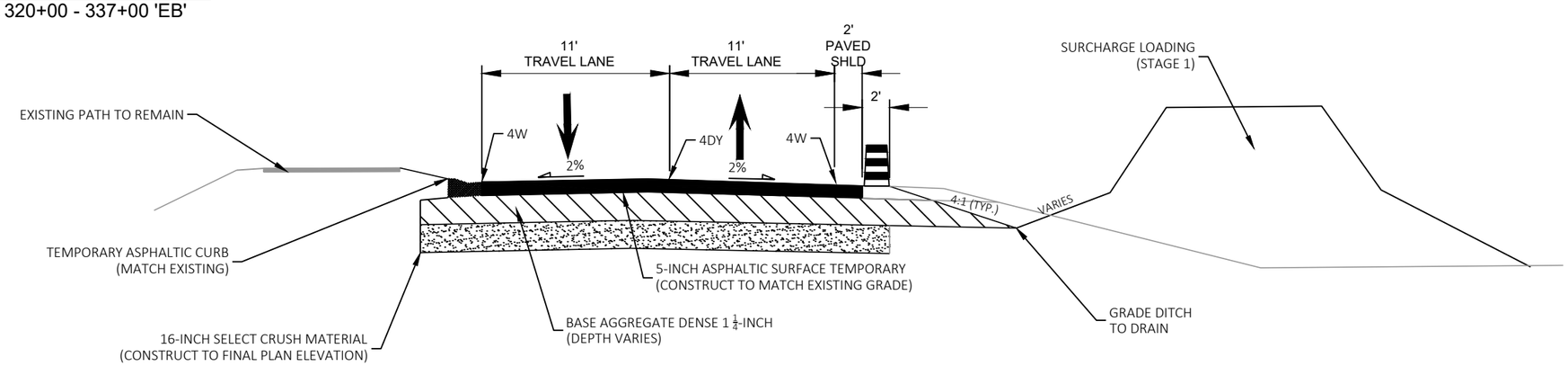
PARTIAL SECTION
STA 310+00 - 318+00 'EB'



TYPICAL SECTION DETAIL FOR WIDENING - STAGE 1
STA 328+50 - 339+10 'WB'



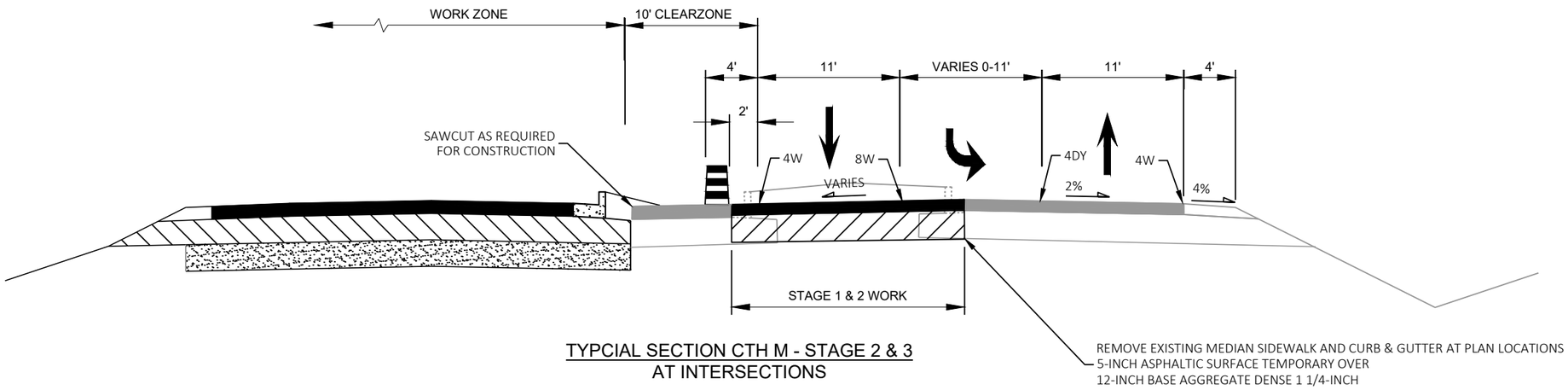
PARTIAL SECTION - STAGE 1 (OVER WINTER)
STA 320+00 - 337+00 'EB'



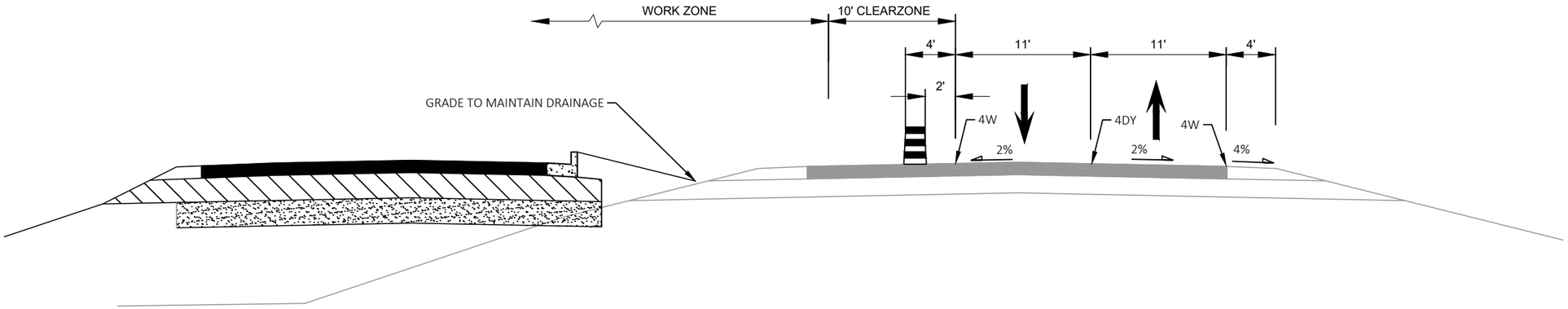
TYPICAL SECTION - STAGE 1 (OVER WINTER)
WOODLAND DRIVE

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - TYPICAL SECTION	SHEET 249	E

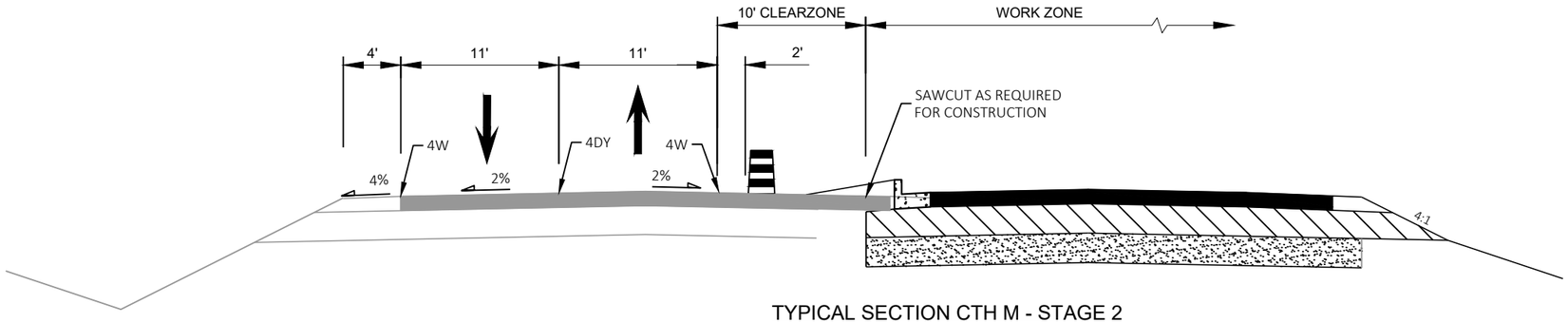
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICAL.DWG
LAYOUT NAME - 01
PLOT DATE : 5/9/2023 10:25 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



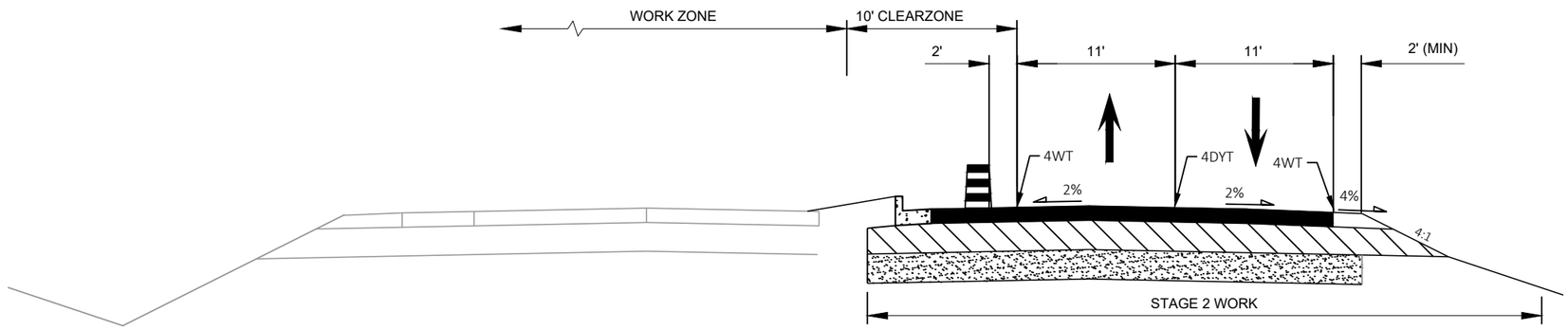
TYPCIAL SECTION CTH M - STAGE 2 & 3
AT INTERSECTIONS



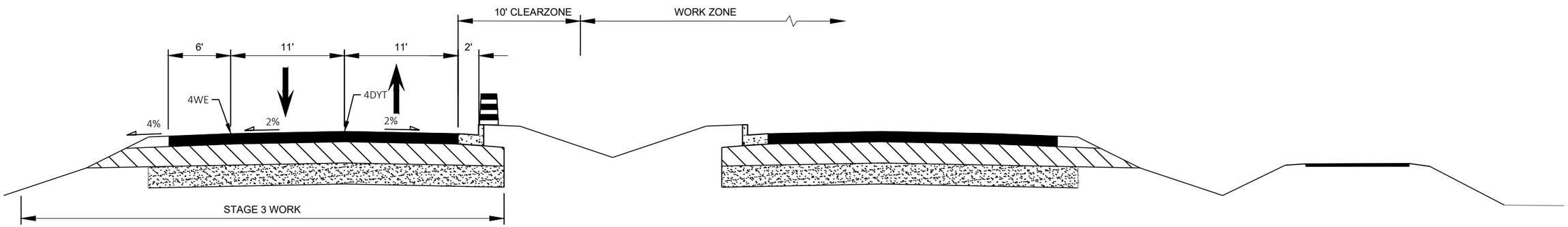
TYPCIAL SECTION CTH M - STAGE 2 & 3
STA 278+00 - 300+00 'EB'
STA 320+00 - 384+00 'EB'



TYPICAL SECTION CTH M - STAGE 2
STA 300+00 - 320+00 'EB'



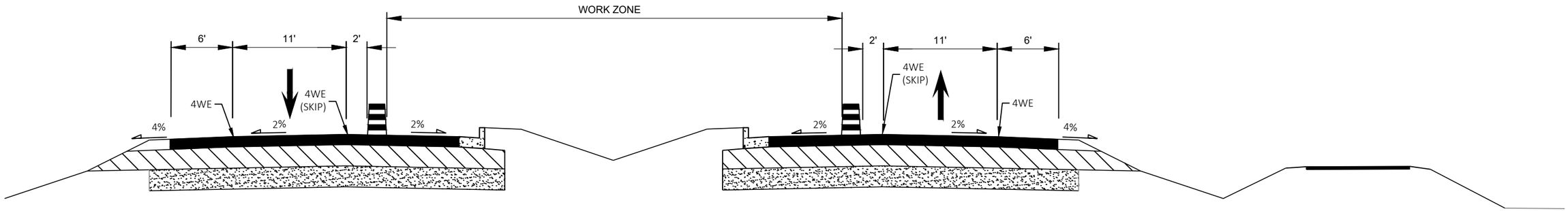
TYPICAL SECTION CTH M - STAGE 3
STA 300+00 - 320+00 'EB'



TYPICAL SECTION CTH M - STAGE 4
STA 375+30 - 381+60 'EB'

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - TYPICAL SECTION	SHEET 251	E

2

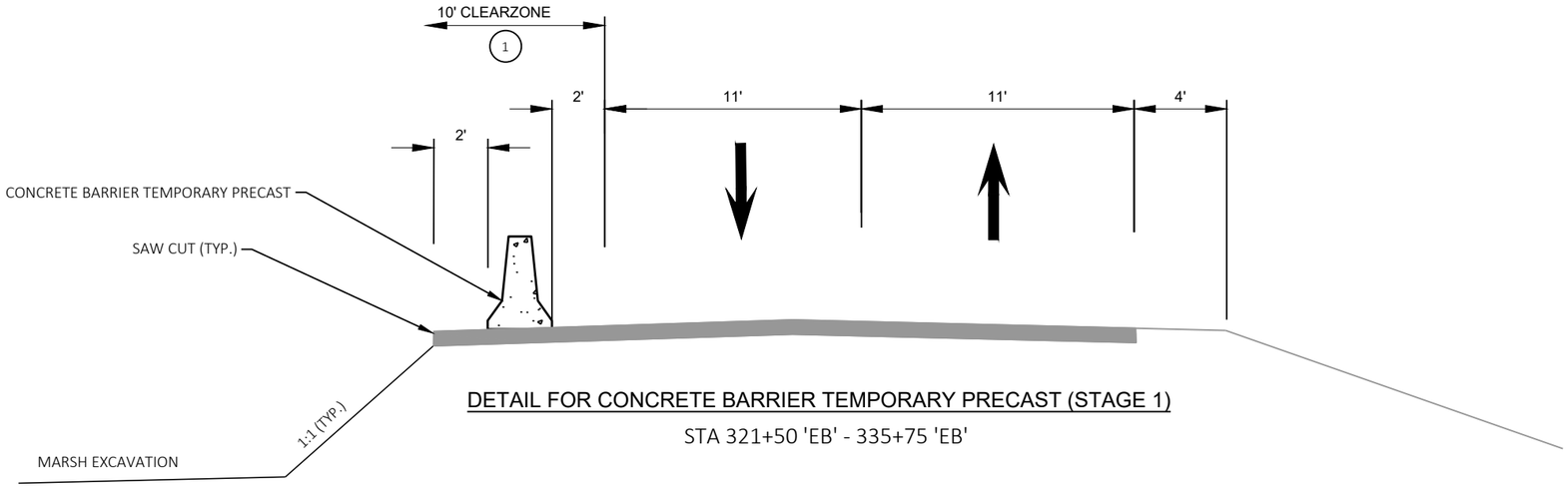


TYPICAL SECTION CTH M - STAGE 5
STA 319+54 - 386+64 'EB'

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - TYPICAL SECTION	SHEET 252	E

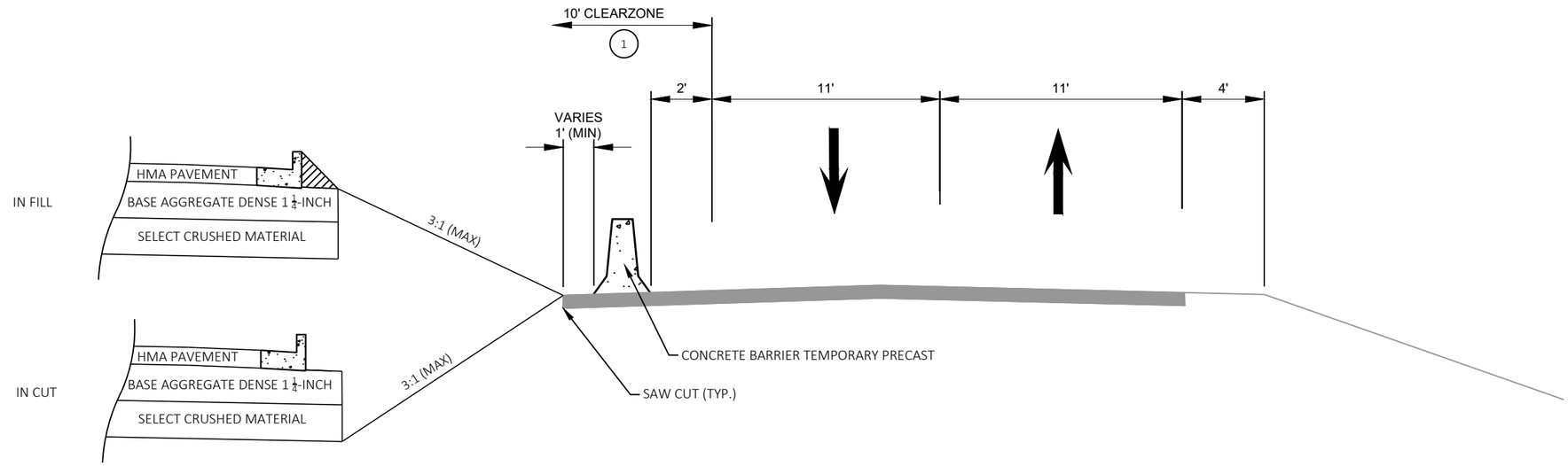
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICAL.DWG
LAYOUT NAME - 05

PLOT DATE : 5/9/2023 10:25 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT



DETAIL FOR CONCRETE BARRIER TEMPORARY PRECAST (STAGE 1)

STA 321+50 'EB' - 335+75 'EB'



DETAIL FOR CONCRETE BARRIER TEMPORARY PRECAST (STAGE 2 & 3)

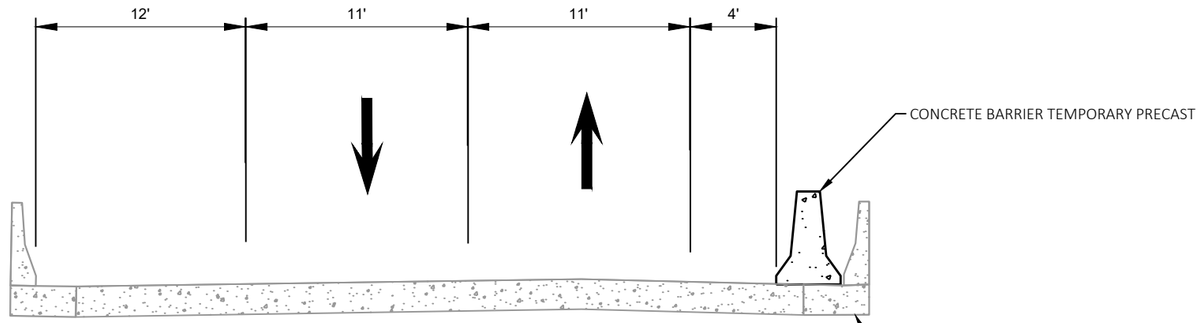
STA 291+00 'EB' - 296+50 'EB'
STA 364+00 'EB' - 373+75 'EB'

TEMPORARY PLACEMENT OF BASE AGGREGATE DENSE 1 ¼-INCH

1 MAINTAIN 10' CLEAR ZONE AT A MAXIMUM SLOPE OF 3:1.
WHERE 10' CLEAR ZONE CAN NOT BE MAINTAINED,
USE CONCRETE BARRIER TEMPORARY PRECAST.

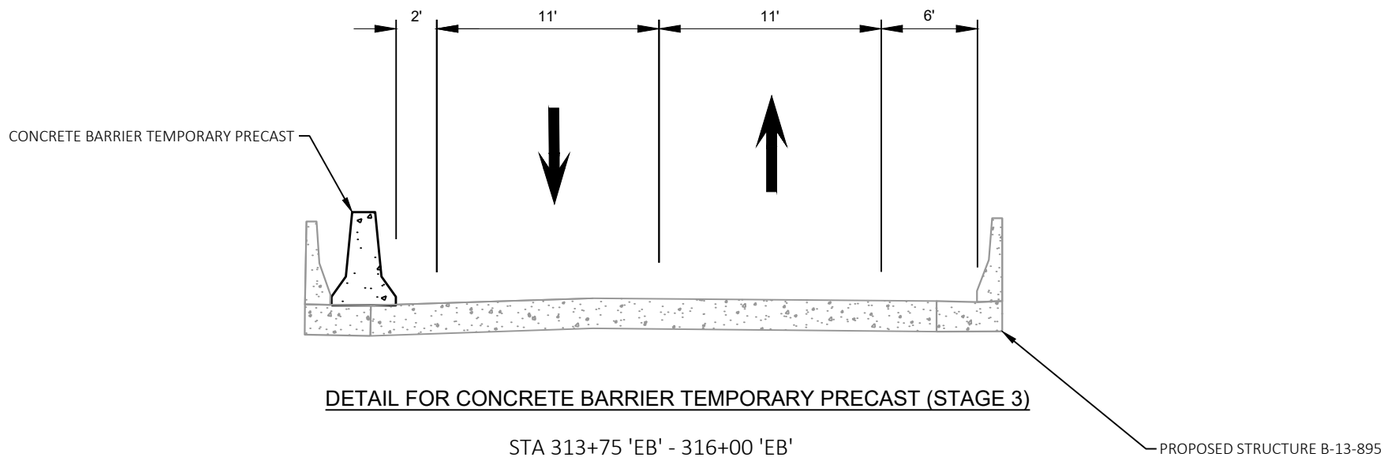
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - TYPICAL SECTION	SHEET 253	E

2



DETAIL FOR CONCRETE BARRIER TEMPORARY PRECAST (STAGE 4)

STA 312+60 'WB' - 315+00 'WB'



DETAIL FOR CONCRETE BARRIER TEMPORARY PRECAST (STAGE 3)

STA 313+75 'EB' - 316+00 'EB'

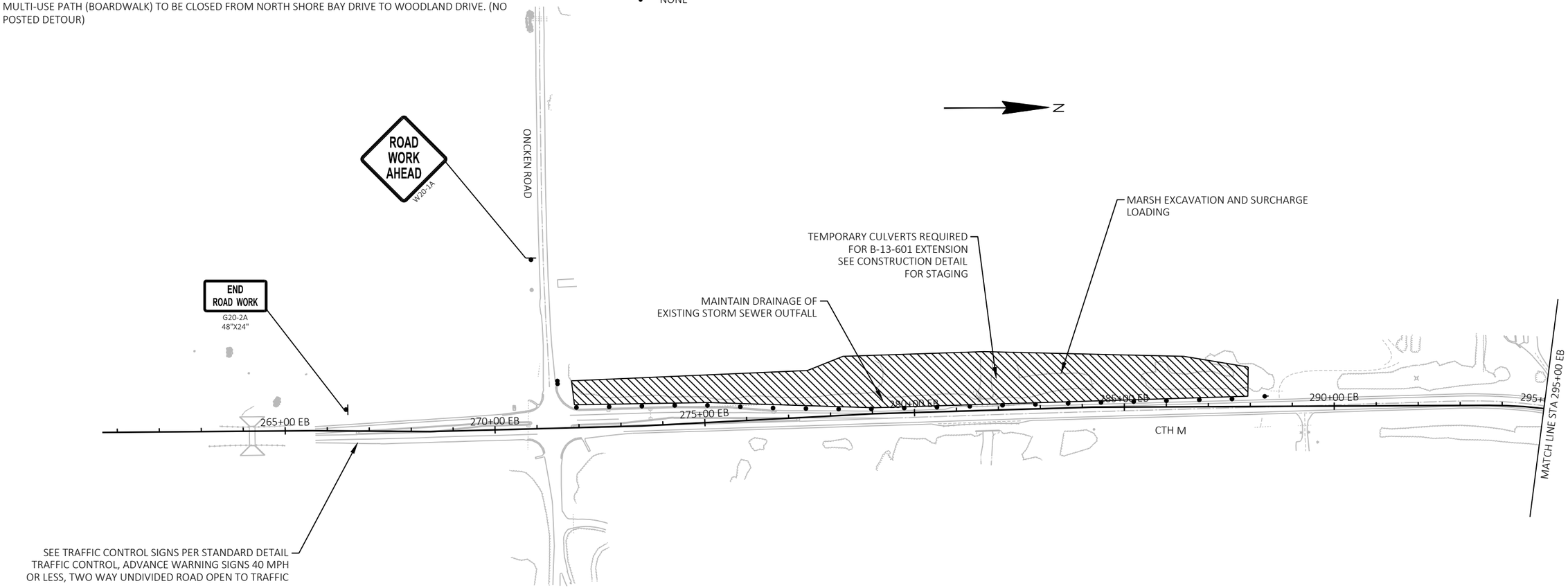
MAINTENANCE OF TRAFFIC

- CTH M
- CTH M WILL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES EXCEPT AS SPECIFIED IN THE CONTRACT SPECIAL PROVISION
- TRAFFIC WILL REMAIN ON THE EXISTING PAVEMENT.
- SIDE ROADS
- ALL SIDE ROADS WILL REMAIN OPEN TO ALL EXISTING LANES AT ALL TIMES EXCEPT AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS.
- PEDESTRIANS
- PEDESTRIAN ACCESS WILL BE MAINTAINED ON ALL EXISTING CROSSINGS AT CTH K AND BLUE BILL PARK DR.
- MULTI-USE PATH (BOARDWALK) TO BE CLOSED FROM NORTH SHORE BAY DRIVE TO WOODLAND DRIVE. (NO POSTED DETOUR)

STAGE 1 WORK (FALL 2023)

- CTH M
- ASPHALTIC SURFACE TEMPORARY TO BE COMPLETED UNDER FLAGGING OPERATIONS (PRIOR TO STAGE 1 TRAFFIC SWITCH).
- MARSH EXCAVATION AND SURCHARGE LOADING AS SPECIFIED IN THE CONTRACT SPECIAL PROVISION
- TEMPORARY CULVERTS FOR B-13-601 EXTENSION
- MITIGATION WORK
- CTH M EB STRUCTURE B-13-895

- SIDE ROADS
- NONE



**
MAX. 12' WIDTH
W12-52
48"X48"

3 MILES AHEAD
W57-52
36"X24"

** PLACE SIGN AT CTH Q AND CTH M INTERSECTION

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 255	E

2

END ROAD WORK
G20-2A
48"X24"

SEE TRAFFIC CONTROL SIGNS PER STANDARD DETAIL TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

CTH K

SHILLING LANE

POST

N

BIKE PATH CLOSED AHEAD

PLACE SIGN AT INTERSECTION OF MARY LAKE ROAD

WOODLAND DRIVE

SEE BARRICADES AND SIGNS FOR MAINLINE CLOSURES (NO POSTED DETOUR)

SIDEWALK CLOSED
R9-9
24"X12"

INSTALL TEMPORARY PEDESTRIAN BARRICADE BEHIND SIGN ACCORDING TO SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

MARSH EXCAVATION, TEMPORARY SHORING LEFT IN PLACE AND B-13-895

MAINTAIN DRAINAGE OF EXISTING STORM SEWER OUTFALL

ASPHALTIC SURFACE TEMPORARY COMPLETED UNDER FLAGGING OPERATIONS DURING NON-PEAK HOURS PRIOR TO STAGE 1 TRAFFIC SWITCH

SEE STANDARD DETAIL DRAWING TRAFFIC CONTROL, LANE SHIFT, MULTI-LANE DIVIDED OR ONE-WAY ROAD

CTH M

310+00 EB

315+00 EB

320+00 EB

325+00 EB

330+00 EB

MATCH LINE STA 330+00 EB

305+00 EB

300+00 EB

CORNER COURT

MAX. 12' WIDTH
W12-52
48"X48"

ROAD WORK AHEAD
W20-1A

SIDEWALK CLOSED
R9-9
24"X12"

INSTALL TEMPORARY PEDESTRIAN BARRICADE BEHIND SIGN ACCORDING TO SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

MANSFIELD ROAD

SIDEWALK CLOSED
R9-9
24"X12"

INSTALL TEMPORARY PEDESTRIAN BARRICADE BEHIND SIGN ACCORDING TO SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

MATCH LINE STA 295+00 EB

NORTH SHORE BAY DRIVE

BIKE PATH CLOSED AHEAD

PLACE SIGN AT ENTRANCE OF TRAIL TO NORTH SHORE BAY

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 256	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 1 OVERVIEW (FALL).DWG
LAYOUT NAME - 01

PLOT DATE : 4/13/2023 2:37 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1:250

WISDOT/CADDS SHEET 44

2

N

MARSH EXCAVATION AND SURCHARGE LOADING

MATCH LINE STA 330+00 EB

335+00 EB

340+00 EB

345+00 EB

350+00 EB

355+00 EB

360+00 EB

365+00 EB

CTH M

MATCH LINE STA 368+00 EB

SEE STANDARD DETAIL DRAWING TRAFFIC CONTROL, LANE SHIFT, MULTI-LANE DIVIDED OR ONE-WAY ROAD

ASPHALTIC SURFACE TEMPORARY COMPLETED UNDER FLAGGING OPERATIONS DURING NON-PEAK HOURS PRIOR TO STAGE 1 TRAFFIC SWITCH

SEE TRAFFIC CONTROL SIGNS PER STANDARD DETAIL TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC

MITIGATION WORK

ROAD WORK AHEAD
W20-1A

MARY LAKE ROAD

MAX. 12' WIDTH
W12-52
48"X48"

ROAD WORK AHEAD
W20-1A

KUPFER ROAD

WILLOW WEST

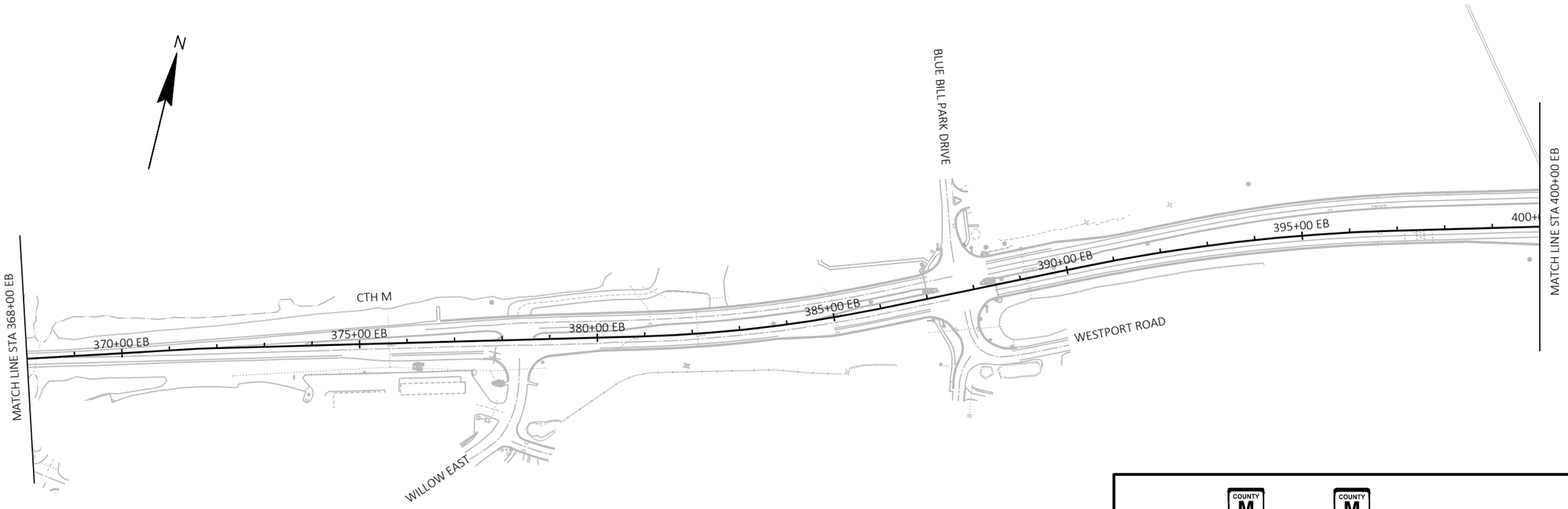
END ROAD WORK
G20-2A
48"X24"

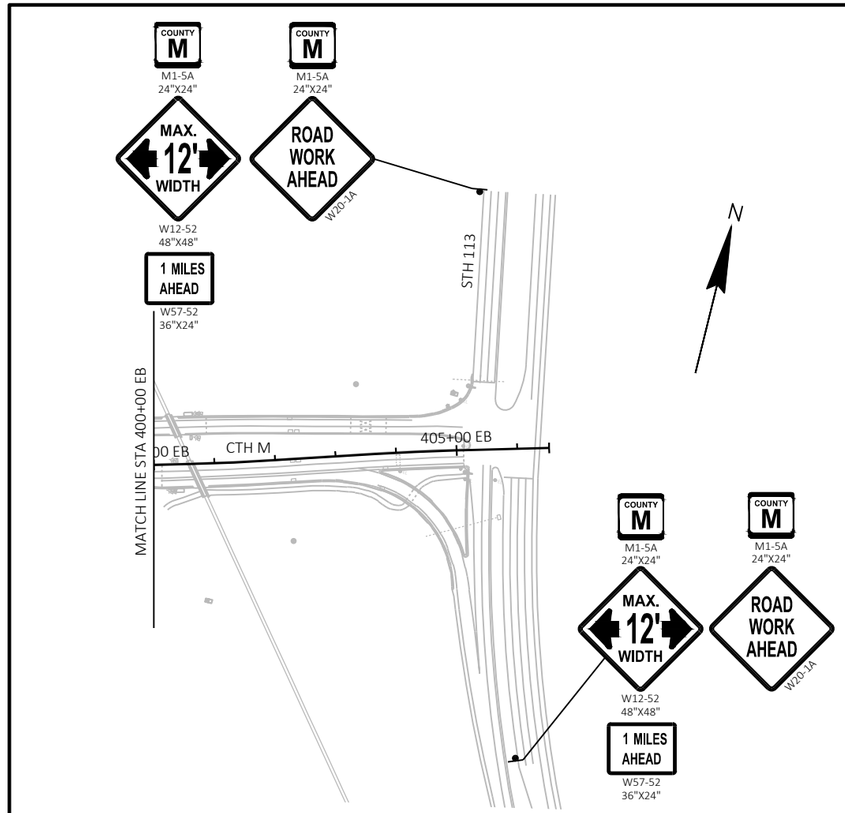
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 257	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 1 OVERVIEW (FALL).DWG
LAYOUT NAME - 01

PLOT DATE : 4/13/2023 2:37 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1:250

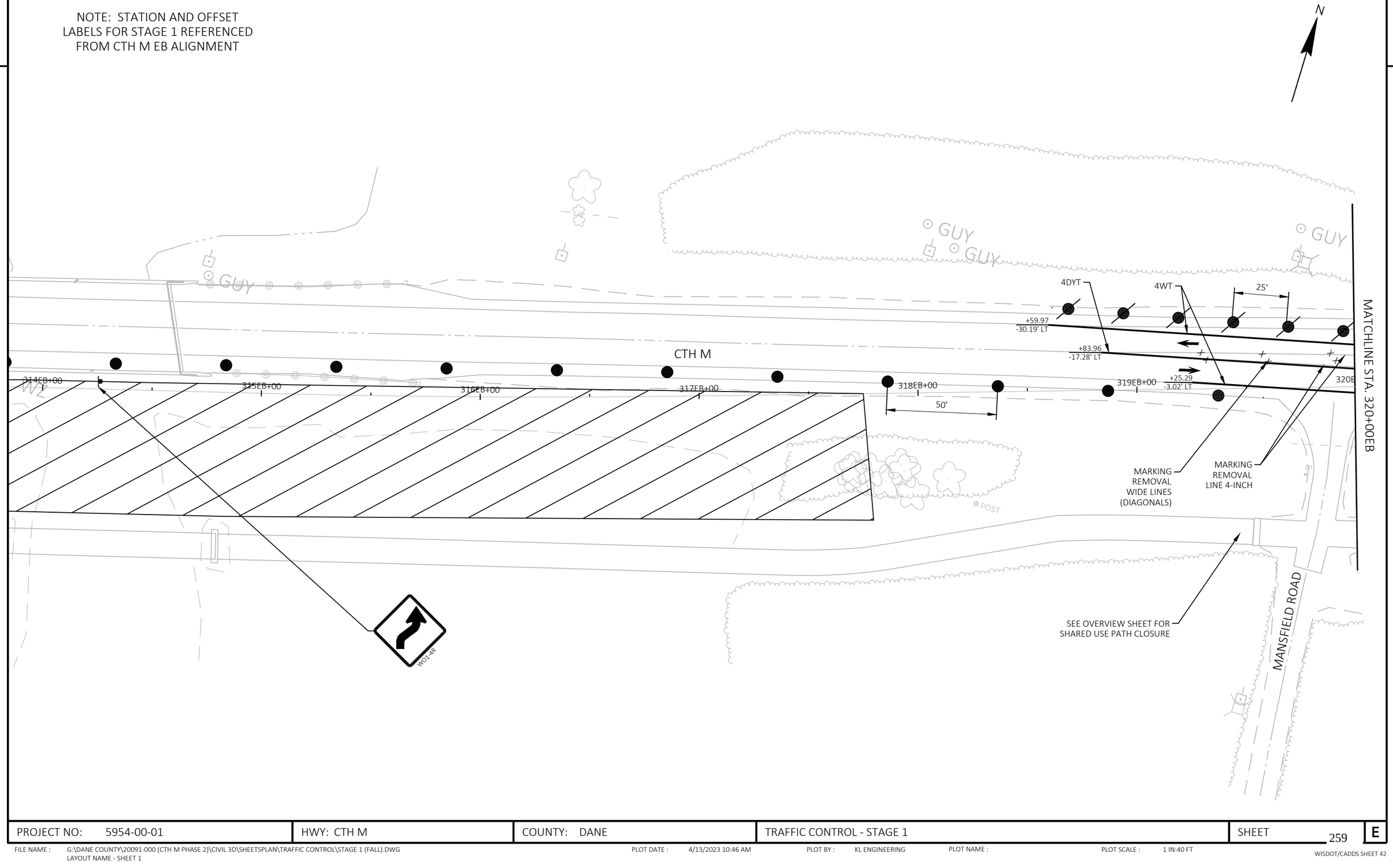
WISDOT/CADDS SHEET 44


N
MATCH LINE STA 368+00 EB
CTH M
370+00 EB
375+00 EB
380+00 EB
385+00 EB
390+00 EB
395+00 EB
400+
MATCH LINE STA 400+00 EB
BLUE BILL PARK DRIVE
WESTPORT ROAD
WILLOW EAST


COUNTY
M
M1-5A
24"X24"
MAX.
12'
WIDTH
W12-52
48"X48"
ROAD
WORK
AHEAD
W20-1A
1 MILES
AHEAD
W57-52
36"X24"
STH 113
N
MATCH LINE STA 400+00 EB
CTH M
405+00 EB

2

NOTE: STATION AND OFFSET
LABELS FOR STAGE 1 REFERENCED
FROM CTH M EB ALIGNMENT



2

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 259	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 1 (FALL).DWG
LAYOUT NAME - SHEET 1

PLOT DATE : 4/13/2023 10:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

WO1-6
48" X 24"

TYPE III BARRICADE

WO1-4R

MARKING
REMOVAL
LINE 4-INCH

25'

+89.17
-25.95' LT

+88.56
-10.77' LT

CTH M

+14.74
-3.05' LT

MATCHLINE STA. 320+00EB

321EB+00

322EB+00

323EB+00

324EB+00

325EB+00

326E

MATCHLINE STA. 326+00EB

+15.59
3.02' RT

+15.30
14.01' RT

+15.02
25.01' RT

11'

11'

ASPHALTIC SURFACE TEMPORARY
(COMPLETE UNDER FLAGGING OPERATIONS
PRIOR TO STAGE 1 TRAFFIC SWITCH)

4DYT

MARKING
REMOVAL
LINE 4-INCH

4WT

MARKING
REMOVAL
WIDE LINES
(DIAGONALS)

MARKING
REMOVAL
LINE 8-INCH

MARKING REMOVAL
SPECIAL MARKING

SEE OVERVIEW SHEET FOR
SHARED USE PATH CLOSURE

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 260	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 1 (FALL).DWG
LAYOUT NAME - SHEET 2

PLOT DATE : 4/13/2023 10:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

SEE OVERVIEW SHEET FOR
SHARED USE PATH CLOSURE

WOODLAND DRIVE

R3-2
24"X24"

R3-1
24"X24"

TEMPORARY PIPE EXTENSION
35 LF CULVERT PIPE TEMPORARY 24-INCH
1 EACH CONCRETE COLLAR

SAWING ASPHALT REQUIRED

MATCHLINE STA. 326+00EB

MATCHLINE STA. 332+00EB

326EB+00

327EB+00

328EB+00

329EB+00

330EB+00

331EB+00

+24.68
14.12' RT

+61.67
3.91' RT

+61.68
14.91' RT

+61.69
25.91' RT

+52.63
25.94' RT

11'

11'

CTH M

GUY POLE
GUY

4DYT

4WT

MARKING REMOVAL
SPECIAL MARKING

MARKING REMOVAL
LINE WIDE

MARKING
REMOVAL
LINE 4-INCH

SEE OVERVIEW SHEET FOR
SHARED USE PATH CLOSURE

SAWING ASPHALT REQUIRED

MARKING
REMOVAL
LINE 4-INCH

ASPHALTIC SURFACE TEMPORARY
(COMPLETE UNDER FLAGGING OPERATIONS
PRIOR TO STAGE 1 TRAFFIC SWITCH)

MAINTAIN CROSS CULVERT DRAINAGE

MARKING
REMOVAL
LINE 8-INCH

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 261	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 1 (FALL).DWG
LAYOUT NAME - SHEET 3

PLOT DATE : 4/13/2023 10:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

MATCHLINE STA. 332+00EB

332EB+00

333EB+00

334EB+00

335EB+00

336EB+00

337EB+00

338E

MATCHLINE STA. 338+00EB

+04.64
-8.40' LT

+03.74
8.30' RT

+15.40
15.53' RT

+73.48
21.84' RT

+74.97
32.91' RT

+75.06
43.91' RT

11'

11'

25'

CTH M

6:1 FLARE RATE

WO1-6
48" X 24"

TYPE III BARRICADE

4DYT

4WT

ASPHALTIC SURFACE TEMPORARY
(COMPLETE UNDER FLAGGING OPERATIONS
PRIOR TO STAGE 1 TRAFFIC SWITCH)

MARKING
REMOVAL
LINE 4-INCH

W5-52R
12"X36"

MARKING
REMOVAL
LINE 4-INCH

SAWING ASPHALT REQUIRED

WO1-4L

GTST

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 262	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 1 (FALL).DWG
LAYOUT NAME - SHEET 4

PLOT DATE : 4/13/2023 10:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCHLINE STA. 338+00EB

338+00

339EB+00

340EB+00

341EB+00

342EB+00

343EB+00

344EB+00

25'

+93.64
7.82' RT

+74.85
19.60' RT

+17.91
36.34' RT

+52.78
31.53' RT

CTH M

4DYT

4WT

MARKING
REMOVAL
LINE 4-INCH

W01-4L

GUY

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1	SHEET 263	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 1 (FALL).DWG
LAYOUT NAME - SHEET 5

PLOT DATE : 4/13/2023 10:47 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MAINTENANCE OF TRAFFIC

CTH M

- CTH M WILL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES EXCEPT AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS.
- TRAFFIC WILL REMAIN ON THE EXISTING AND TEMPORARY PAVEMENT.
- DRUMS AND TRAFFIC CONTROL SIGNS MAYBE REMOVED AS DIRECTED BY ENGINEER ONCE WORK IS COMPLETED IN AREA AND ALL SLOPES GRADED.

SIDE ROADS

- ALL SIDE ROADS WILL REMAIN OPEN TO ALL EXISTING LANES AT ALL TIMES EXCEPT AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS.

PEDESTRIANS

- PEDESTRIAN ACCESS WILL BE MAINTAINED ON ALL EXISTING CROSSINGS AT CTH K AND BLUE BILL PARK DR.
- MULTI-USE PATH (BOARDWALK) TO BE CLOSED FROM NORTH SHORE BAY DRIVE TO WOODLAND DRIVE. (NO POSTED DETOUR)

STAGE 1 (OVER WINTER)

CTH M

- CTH M EB STRUCTURE B-13-895.

SIDE ROADS

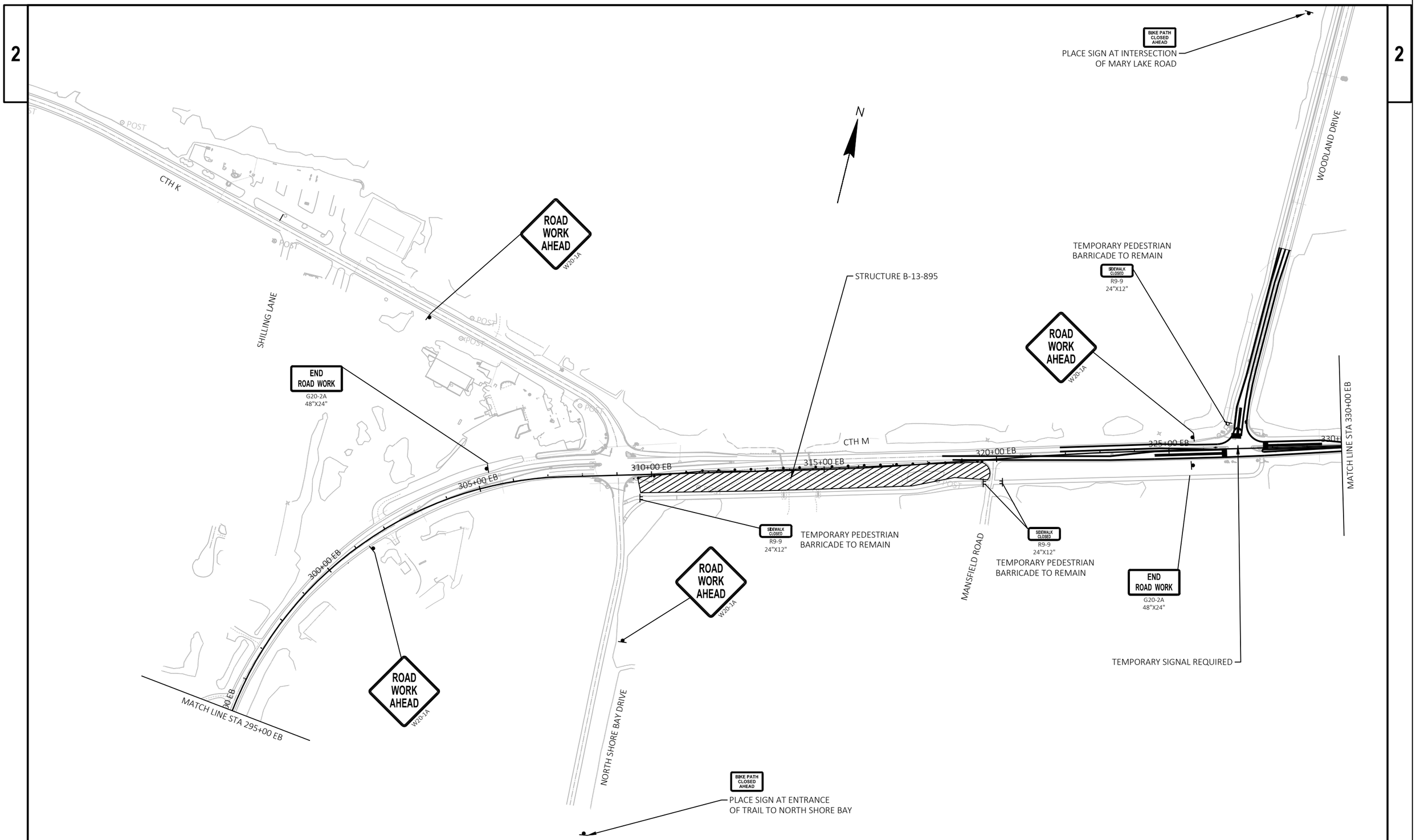
- NONE

2

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 (OVER WINTER)	SHEET 264	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 1 OVERVIEW (WINTER).DWG
LAYOUT NAME - 01
PLOT DATE : 4/13/2023 2:47 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1:250

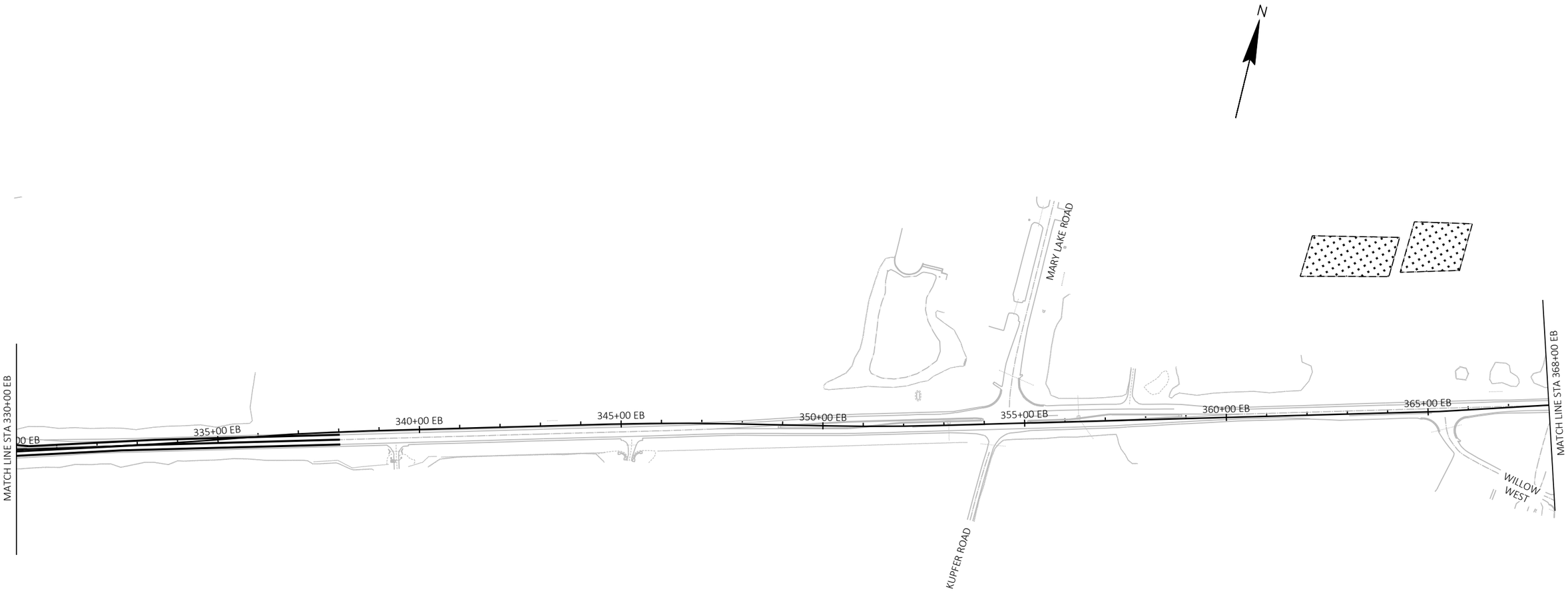
2



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 (OVER WINTER)	SHEET 265	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 1 OVERVIEW (WINTER).DWG
LAYOUT NAME - 01
PLOT DATE : 4/13/2023 2:48 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1:250

2



2

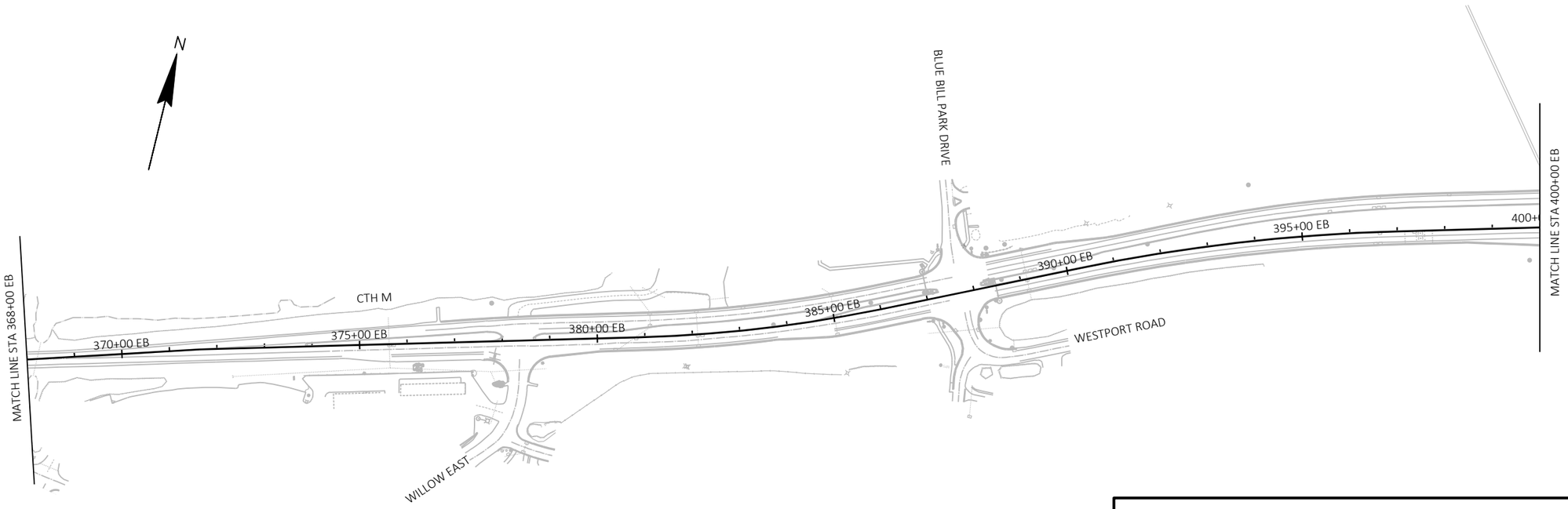
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 (OVER WINTER)	SHEET 266	E

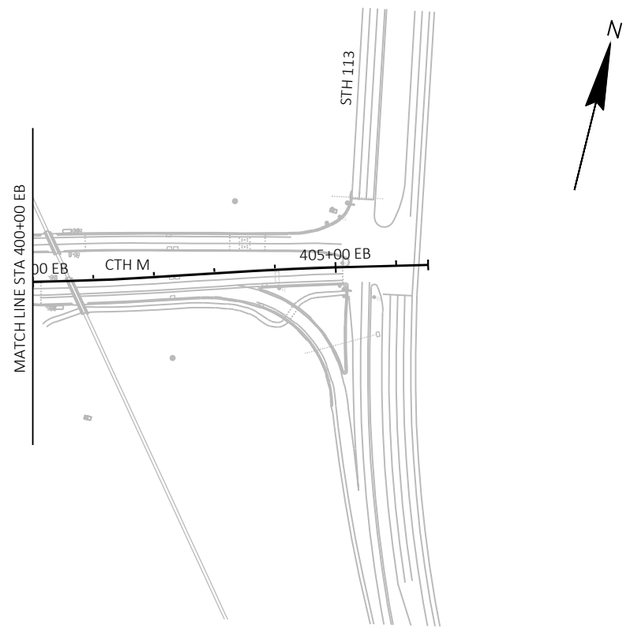
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 1 OVERVIEW (WINTER).DWG
LAYOUT NAME - 01

PLOT DATE : 4/13/2023 2:48 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1:250

WISDOT/CADDS SHEET 44

2





PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 (OVER WINTER)	SHEET 267	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 1 OVERVIEW (WINTER).DWG
LAYOUT NAME - 01

PLOT DATE : 4/13/2023 2:48 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : #####

WISDOT/CADDS SHEET 44

2

NOTE:
STATION AND OFFSET LABELS
FOR STAGE 1 REFERENCED FROM
CTH M EB ALIGNMENT

N

ASPHALTIC SURFACE TEMPORARY

4W

5'

CTH M

+85.06
-21.19' LT

+84.71
-9.20' LT

+73.52
-19.11' LT

+73.57
-7.11' LT

+78.29
-14.67' LT

12'

320EB+00

321EB+00

322EB+00

323EB+00

324EB+00

325EB+00

326E

+28.81
11.62' RT

+28.51
22.62' RT

4Y

4Y

+58.31
1.72' RT

+58.30
12.72' RT

+58.29
23.72' RT

11'

11'

TPA

4W

8W

MATCH EXISTING
PAVEMENT MARKING
STA 319+00 EB

SEE OVERVIEW SHEET FOR
SHARED USE PATH CLOSURE

NOTE:
REMOVE STAGE 1 TEMPORARY
PAVEMENT MARKING

MATCHLINE STA. 326+00EB

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 (OVER WINTER)	SHEET 268	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 1 (WINTER).DWG
LAYOUT NAME - SHEET 2

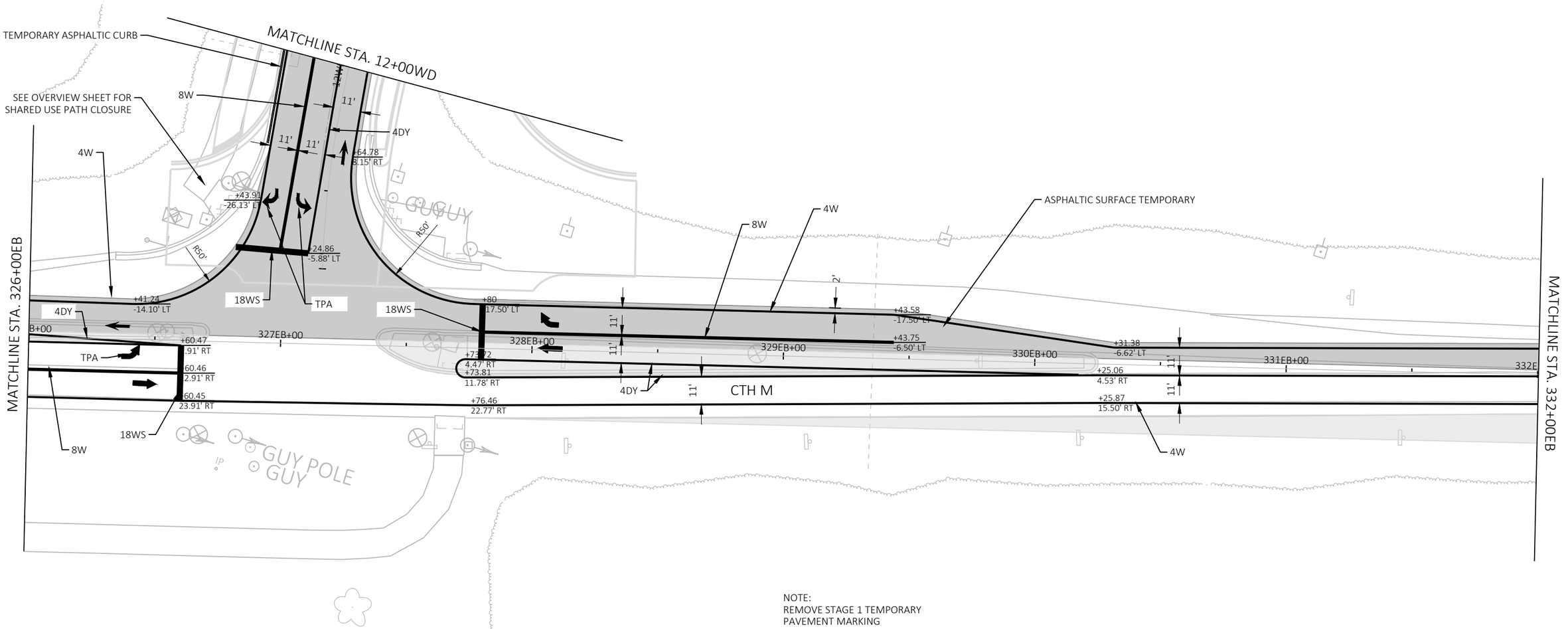
PLOT DATE : 4/13/2023 10:28 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

NOTE:
MAINTAIN DRAINAGE BETWEEN CONSTRUCTED EMBANKMENT FILL AND EXISTING ROADWAY EMBANKMENT

N



NOTE:
REMOVE STAGE 1 TEMPORARY PAVEMENT MARKING

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 (OVER WINTER)	SHEET 269	E

NOTE:
MAINTAIN DRAINAGE BETWEEN CONSTRUCTED EMBANKMENT FILL AND EXISTING ROADWAY EMBANKMENT

N

4W

SIGN

MATCHLINE STA. 332+00EB

B+00

333EB+00

+02.21
0.15' RT

+44.58
-10.59' LT

12'

12'

334EB+00

2'

4DY

+55.86
18.28' RT

335EB+00

+04.47
-5.53' LT

336EB+00

337EB+00

338EB+00

+02.46
7.08' RT

+02.31
19.08' RT

+02.74
31.08' R

CTH M

GTST

ASPHALTIC SURFACE TEMPORARY

MATCH EXISTING
PAVEMENT MARKING
STA 338+00 EB

NOTE:
REMOVE STAGE 1 TEMPORARY
PAVEMENT MARKING

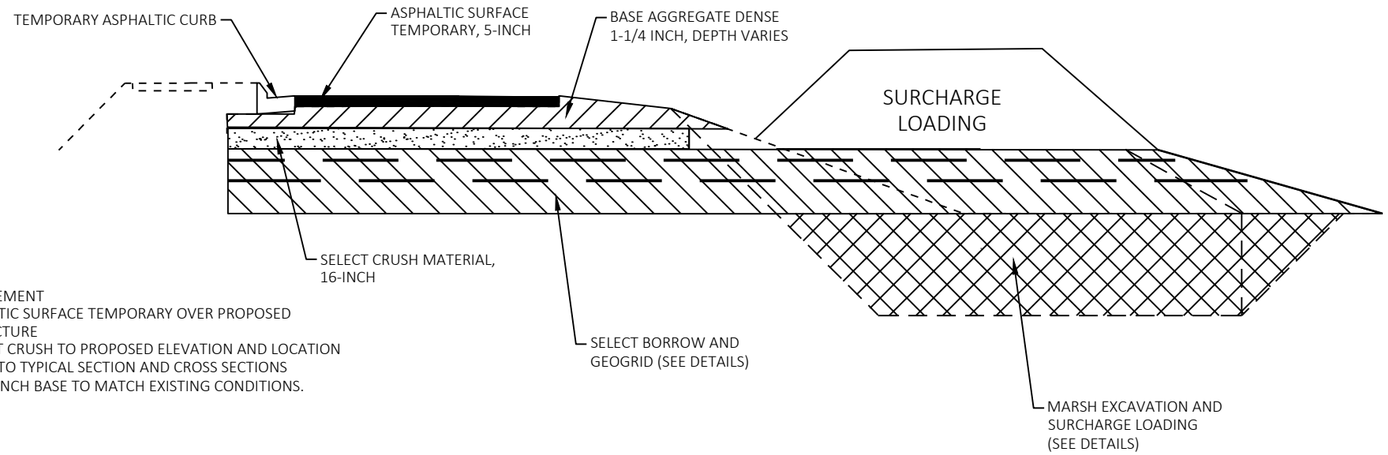
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 (OVER WINTER)	SHEET 270	E

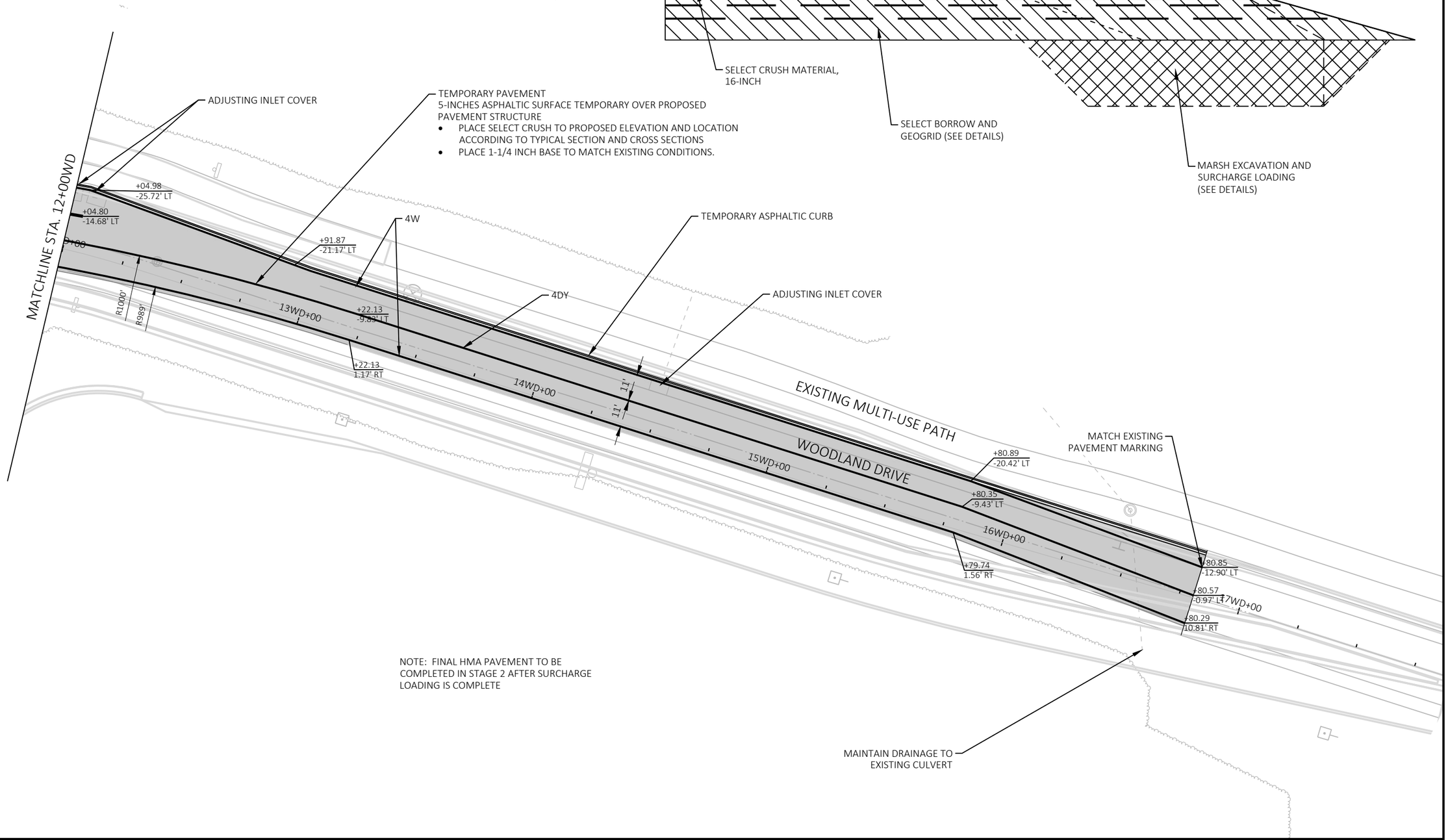
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 1 (WINTER).DWG
LAYOUT NAME - SHEET 4

PLOT DATE : 4/13/2023 10:29 AM PLOT BY : KL ENGINEERING PLOT NAME :

WISDOT/CADDS SHEET 42

NOTE:
MAINTAIN DRAINAGE BETWEEN CONSTRUCTED EMBANKMENT FILL AND EXISTING ROADWAY EMBANKMENT





PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 (OVER WINTER)	SHEET 271	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 1 (WINTER).DWG
LAYOUT NAME - SHEET 5

PLOT DATE : 4/13/2023 10:29 AM PLOT BY : KL ENGINEERING PLOT NAME :

WISDOT/CADDS SHEET 42

2

MAINTENANCE OF TRAFFIC

CTH M

- CTH M WILL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES EXCEPT AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS.
- TRAFFIC WILL REMAIN ON THE EXISTING AND TEMPORARY PAVEMENT.

SIDE ROADS

- ALL SIDE ROADS WILL REMAIN OPEN TO ALL EXISTING LANES AT ALL TIMES EXCEPT AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS.
- WOODLAND DRIVE TO BE CLOSED AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS.
- MARY LAKE ROAD TO BE CLOSED AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS.

PEDESTRIANS

- PEDESTRIAN ACCESS WILL BE MAINTAINED ON EXISTING CROSSINGS AT BLUE BILL PARK DR.
- SIDEWALK AT CTH K INTERSECTION TO BE CLOSED
- BIKE PATH (BOARDWALK) TO BE CLOSED FROM NORTH SHORE BAY DRIVE TO WOODLAND DRIVE. (NO POSTED DETOUR)

N

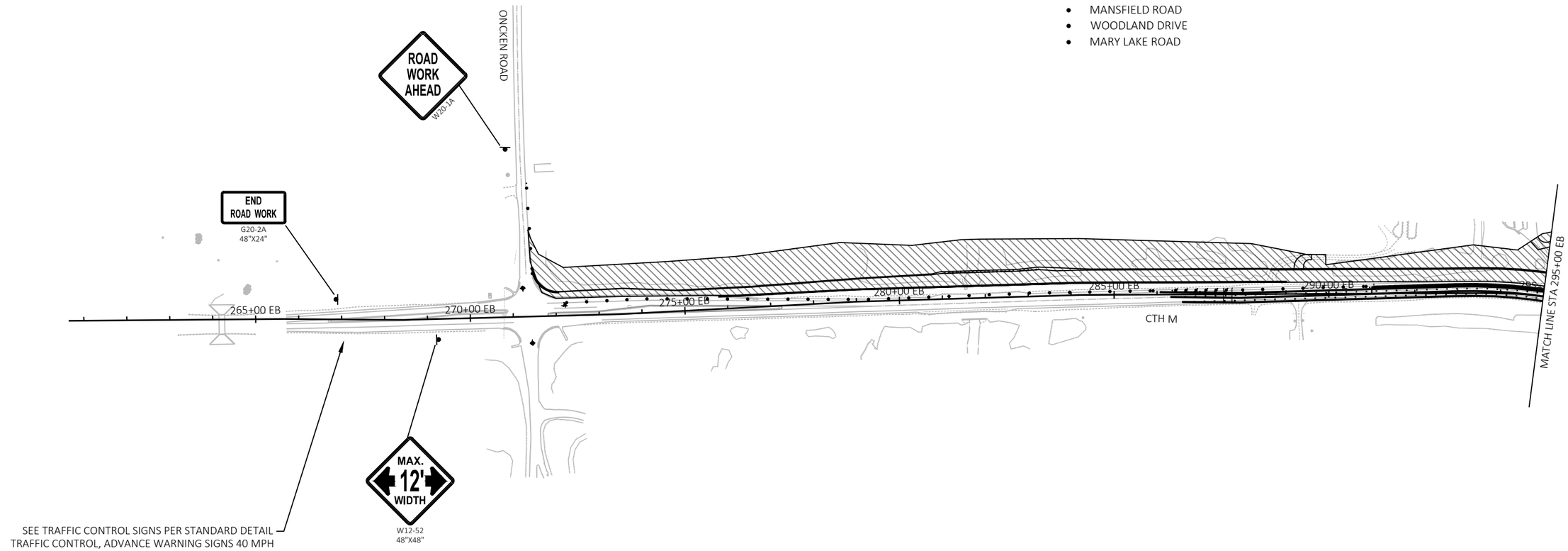
STAGE 2 WORK

CTH M

- COMPLETE CTH M EB LANES STA 303+00 TO 308+00
- COMPLETE CTH M EB LANES STA 311+00 TO 320+00
- COMPLETE STRUCTURE B-13-895
- BEGIN/CONTINUE GRADING CTH M WB LANES
- BEGIN CONSTRUCTION OF B-13-601

SIDE ROADS

- SHILLING LANE CUL DE SAC
- NORTH SHORE BAY DRIVE
- CORNER COURT
- MANSFIELD ROAD
- WOODLAND DRIVE
- MARY LAKE ROAD



** PLACE SIGN AT CTH Q AND CTH M INTERSECTION

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 272	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 2 OVERVIEW.DWG
LAYOUT NAME - 01
PLOT DATE : 4/13/2023 1:16 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1:250

2

END ROAD WORK
G20-2A
48"X24"

SEE TRAFFIC CONTROL SIGNS PER STANDARD DETAIL
TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH
OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

CTH K

SHILLING LANE

SIDEWALK CLOSED
R9-9
24"X12"

CONCRETE MEDIAN REMOVAL AND
ASPHALTIC SURFACE TEMPORARY COMPLETED
UNDER FLAGGING OPERATION DURING NON-PEAK
HOURS PRIOR TO STAGE 2 TRAFFIC SWITCH.

CONCRETE MEDIAN REMOVAL AND
ASPHALTIC SURFACE TEMPORARY COMPLETED
UNDER FLAGGING OPERATION DURING NON-PEAK
HOURS PRIOR TO STAGE 2 TRAFFIC SWITCH.

CTH M

310+00 EB

315+00 EB

320+00 EB

325+00 EB

330+00 EB

MATCH LINE STA 330+00 EB

TEMPORARY SIGNAL

SIDEWALK CLOSED
R9-9
24"X12"

TEMPORARY PEDESTRIAN
BARRICADE TO REMAIN

CONNER COURT

PROVIDE ACCESS. SEE SPECIAL
PROVISIONS FOR RESTRICTIONS

MATCH LINE STA 295+00 EB

NORTH SHORE BAY DRIVE

ROAD WORK AHEAD
W20-1A

BIKE PATH CLOSED AHEAD

PLACE SIGN AT ENTRANCE
OF TRAIL TO NORTH SHORE BAY

N

BIKE PATH CLOSED AHEAD

PLACE SIGN AT INTERSECTION
OF MARY LAKE ROAD

END ROAD WORK
G20-2A
48"X24"

SEE TRAFFIC CONTROL SIGNS PER STANDARD DETAIL
TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH
OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

WOODLAND DRIVE

WOODLAND DRIVE TO BE CLOSED.
SEE SDD BARRICADES AND SIGNS FOR SIDEROAD CLOSURE (DETAIL 1)
AND SPECIAL PROVISIONS FOR RESTRICTIONS.

SIDEWALK CLOSED
R9-9
24"X12"

TEMPORARY PEDESTRIAN
BARRICADE TO REMAIN

TEMPORARY SIGNAL

MATCH LINE STA 330+00 EB

SIDEWALK CLOSED
R9-9
24"X12"

TEMPORARY PEDESTRIAN
BARRICADE TO REMAIN

MANSFIELD ROAD

CONSTRUCT SIDEROAD UNDER
TRAFFIC. SEE SPECIAL PROVISIONS
FOR RESTRICTIONS

SIDEWALK CLOSED
R9-9
24"X12"

TEMPORARY PEDESTRIAN
BARRICADE TO REMAIN

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 273	E

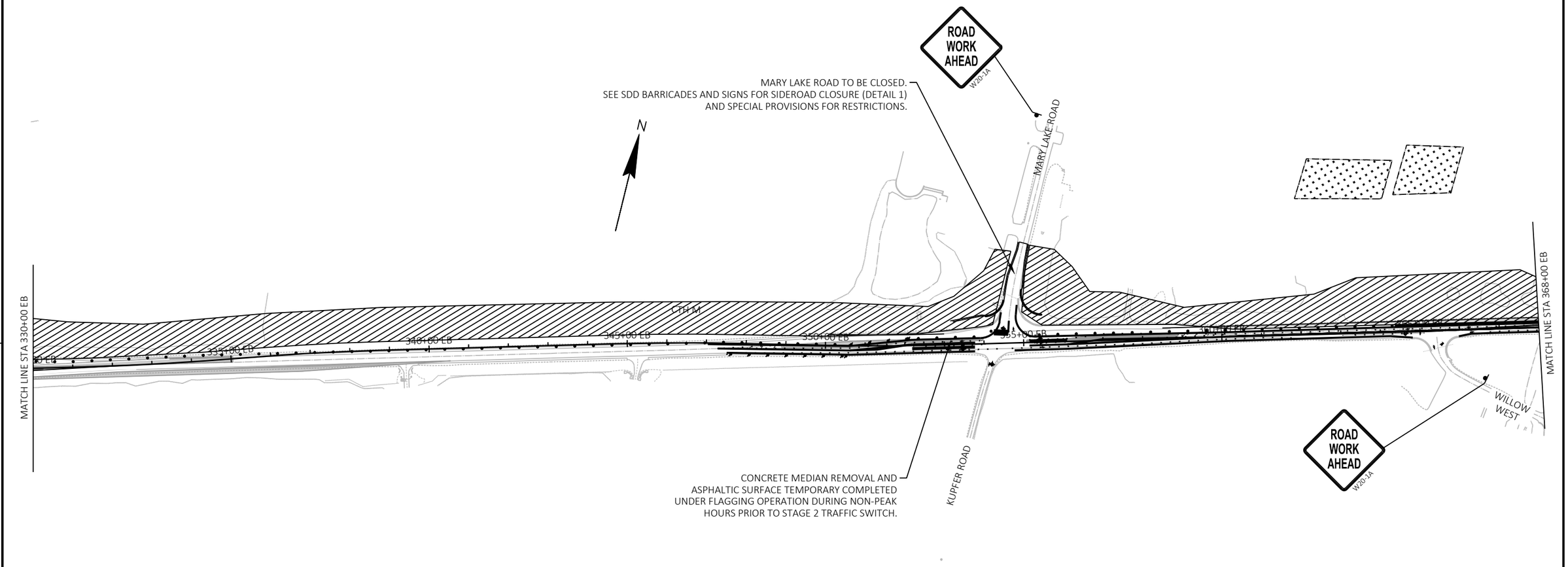
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 2 OVERVIEW.DWG
LAYOUT NAME - 01

PLOT DATE : 4/13/2023 1:16 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1:250

WISDOT/CADDS SHEET 44

2

2

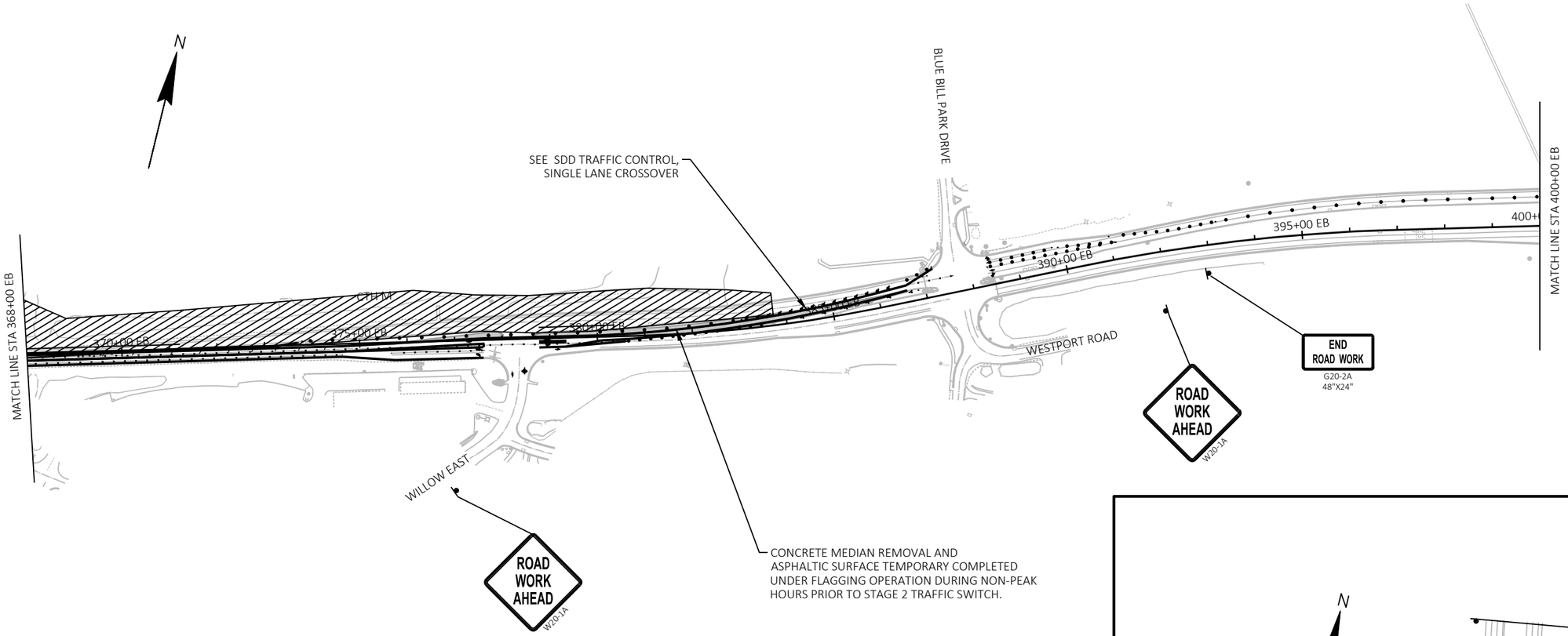


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 274	E

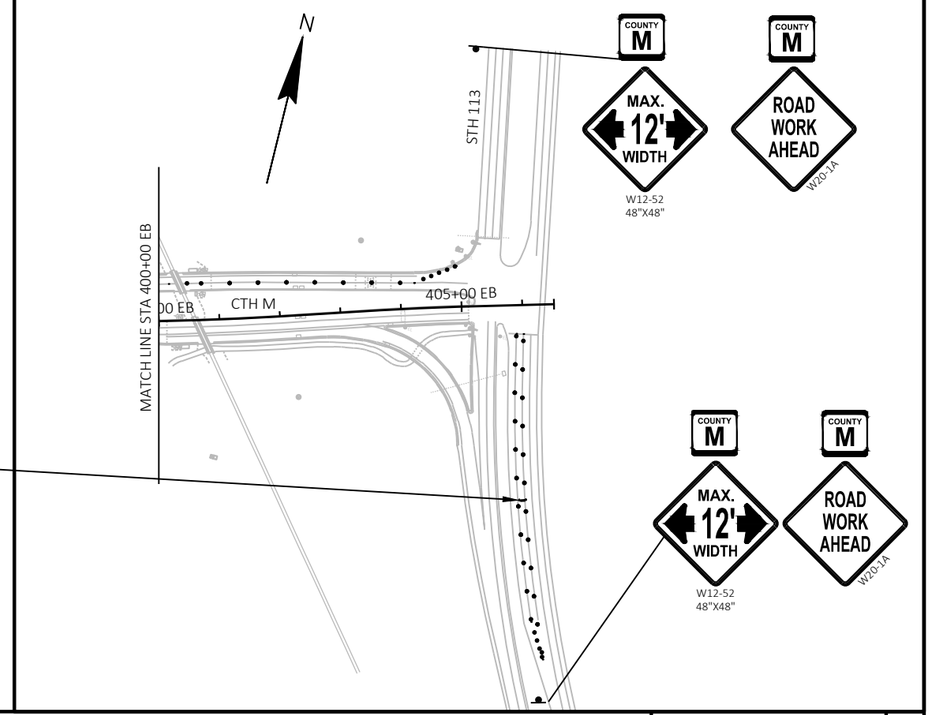
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 2 OVERVIEW.DWG
LAYOUT NAME - 01

PLOT DATE : 4/13/2023 1:16 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1:250

WISDOT/CADDS SHEET 44



RIGHT LANE OF DUAL LEFT TURN TO BE CLOSED



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 275	E

2

NOTE:
STATION AND OFFSET LABELS FOR STAGE 2 REFERENCED FROM CTH M EB ALIGNMENT

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

N

ONCKEN ROAD

GUY

CTH M WB

CTH M EB

268EB+00
269EB+00
270EB+00
271EB+00
272EB+00
273EB+00
269WB+00
270WB+00
271WB+00
272WB+00
273WB+00

MATCHLINE STA. 274+00EB

SIGN

SIGN

GOVERNOR NELSON STATE PARK ENTRANCE

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 276	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 2.DWG
LAYOUT NAME - 01

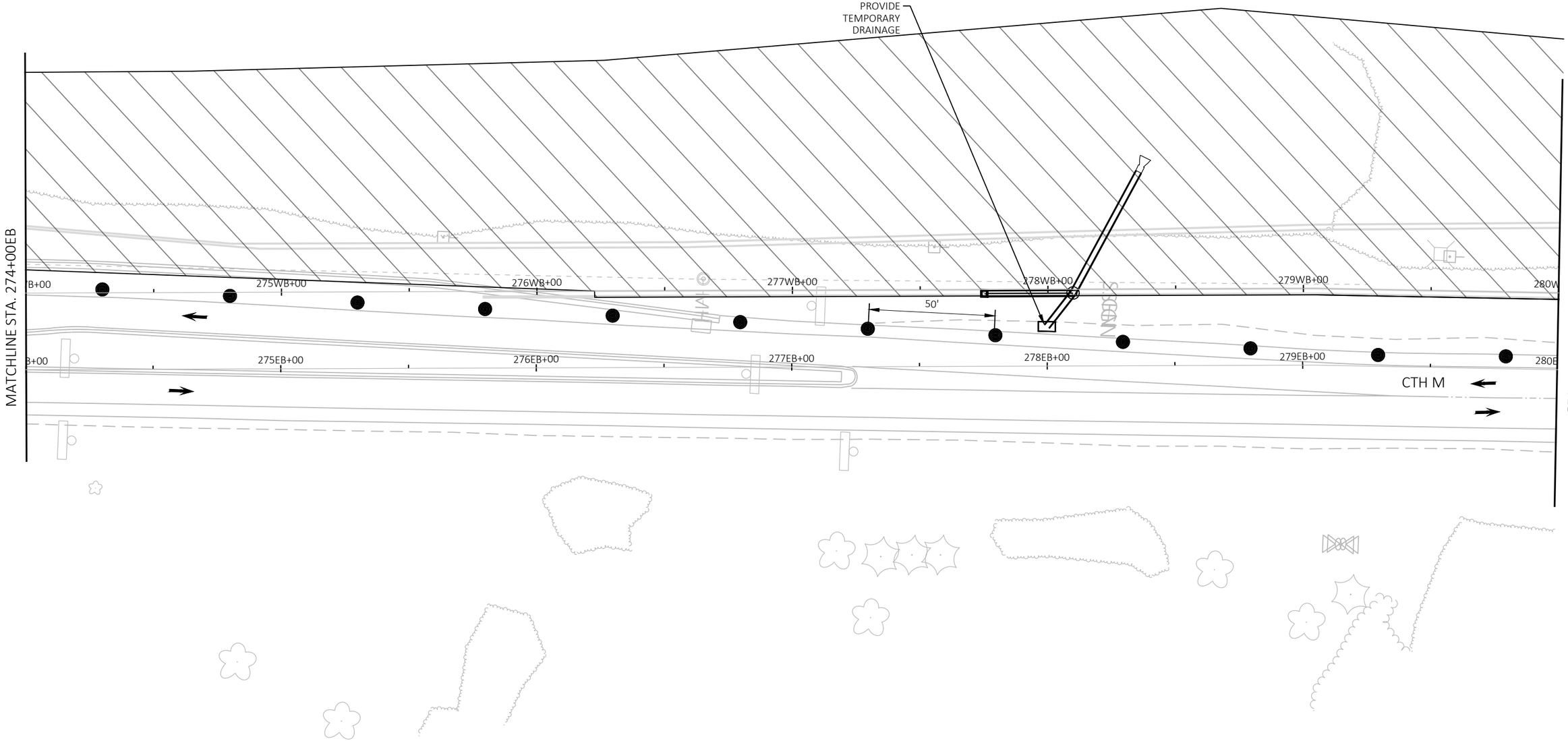
PLOT DATE : 4/13/2023 1:36 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

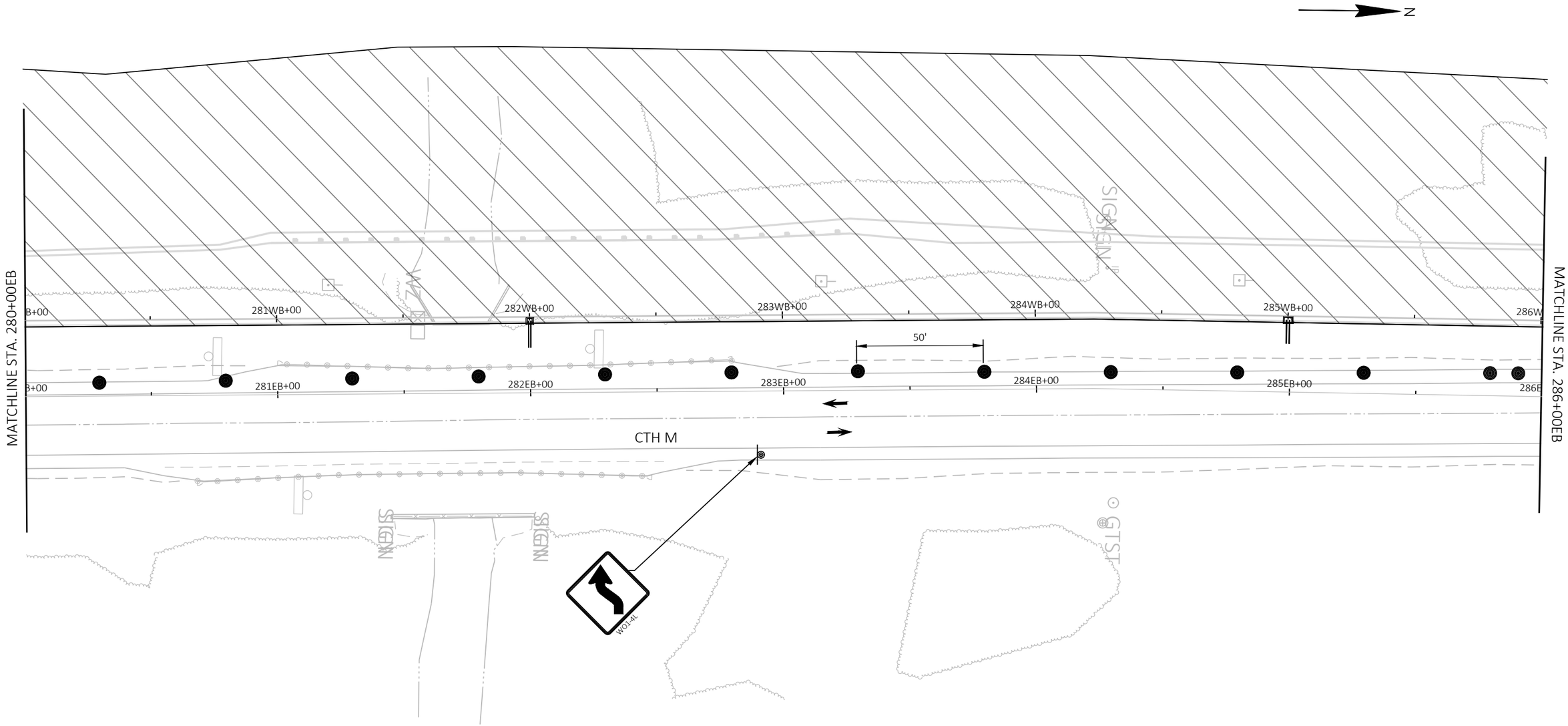
NOTE:
MAINTAIN DRAINAGE BETWEEN CONSTRUCTED EMBANKMENT FILL AND EXISTING ROADWAY EMBANKMENT.

N



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 277	E

NOTE:
MAINTAIN DRAINAGE BETWEEN CONSTRUCTED EMBANKMENT FILL AND EXISTING ROADWAY EMBANKMENT.



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 278	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 2.DWG
LAYOUT NAME - 03
PLOT DATE : 4/13/2023 1:37 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

NOTE:
MAINTAIN DRAINAGE BETWEEN CONSTRUCTED EMBANKMENT FILL AND EXISTING ROADWAY EMBANKMENT.

TEMPORARY BLOCK INLET COVER FROM COLLECTING WATER UNTIL STAGE 3. PAID AS ITEM 628.7015 "INLET PROTECTION TYPE C"

PROVIDE TEMPORARY DRAINAGE

MAINTAIN ACCESS

W01-4R

MATCHLINE STA. 286+00EB

MATCHLINE STA. 292+00EB

287WB+00

288WB+00

289WB+00

290WB+00

291WB+00

287EB+00

288EB+00

289EB+00

290EB+00

291EB+00

+06.42
5.68' LT

+31.23
3.70' RT

+58.12
17.11' RT

+92.81
2.83' LT

+93.08
8.17' RT

+93.36
19.17' RT

50'

11'

11'

CTH M

4DY

4W

MARKING REMOVAL LINE 4-INCH

COMPLETE STORM SEWER CROSSING UNDER FLAGGING OPERATION DURING NOT-PEAK HOURS

ASPHALTIC SURFACE TEMPORARY

GV

GUY

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 279	E

2

NOTE:
MAINTAIN DRAINAGE BETWEEN CONSTRUCTED EMBANKMENT FILL AND EXISTING ROADWAY EMBANKMENT.

MAINTAIN ACCESS

TEMPORARY BLOCK INLET COVER FROM COLLECTING WATER UNTIL STAGE 3. PAID AS ITEM 628.7015 "INLET PROTECTION TYPE C"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

MAINTAIN ACCESS

N

MATCHLINE STA. 292+00EB

293WB+00
294WB+00
295WB+00
296WB+00
297WB+00
298WB+00

293EB+00
294EB+00
295EB+00
296EB+00
297EB+00
298EB

+99.93
-15.68' LT
+95.55
294.46' LT
+95.82
6.44' RT

CTH M

11'
11'

CC

50'

+83.43
6.47' LT
+83.55
4.53' RT
+83.51
15.33' RT

MARKING REMOVAL LINE 4-INCH

R1160'
R1171'
R1149'

SAW CUT (TYP.)

4DY

4W

W5-52R
12"X36"

MATCHLINE STA. 298+00EB

GUY

2

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 280	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 2.DWG
LAYOUT NAME - 05

PLOT DATE : 4/13/2023 1:37 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE:
MAINTAIN DRAINAGE BETWEEN CONSTRUCTED EMBANKMENT FILL AND EXISTING ROADWAY EMBANKMENT.

TEMPORARY BLOCK INLET COVER FROM COLLECTING WATER UNTIL STAGE 3. PAID AS ITEM 628.7015 "INLET PROTECTION TYPE C"

MARKING REMOVAL LINE 4-INCH

MARKING REMOVAL LINE 8-INCH

MARKING REMOVAL SPECIAL MARKING

CTH M

MATCHLINE STA. 298+00EB

MATCHLINE STA. 303+50EB

299WB+00

300WB+00

301WB+00

302WB+00

303WB+00

299EB+00

300EB+00

301EB+00

302EB+00

303EB+00

50'

4W

4DY

R989'

R1000'

R1011'

11'

11'

+59.97
-8.94' LT

+60.12
2.04' RT

+60.68
13.01' RT

WO1-6
48" X 24"

TYPE III BARRICADE

R11-2
48" X 30"

ROAD CLOSED

TYPE III BARRICADE

TEMPORARY COVER PLATE

ASPHALTIC SURFACE TEMPORARY COMPLETED DURING STAGE 2

GUY

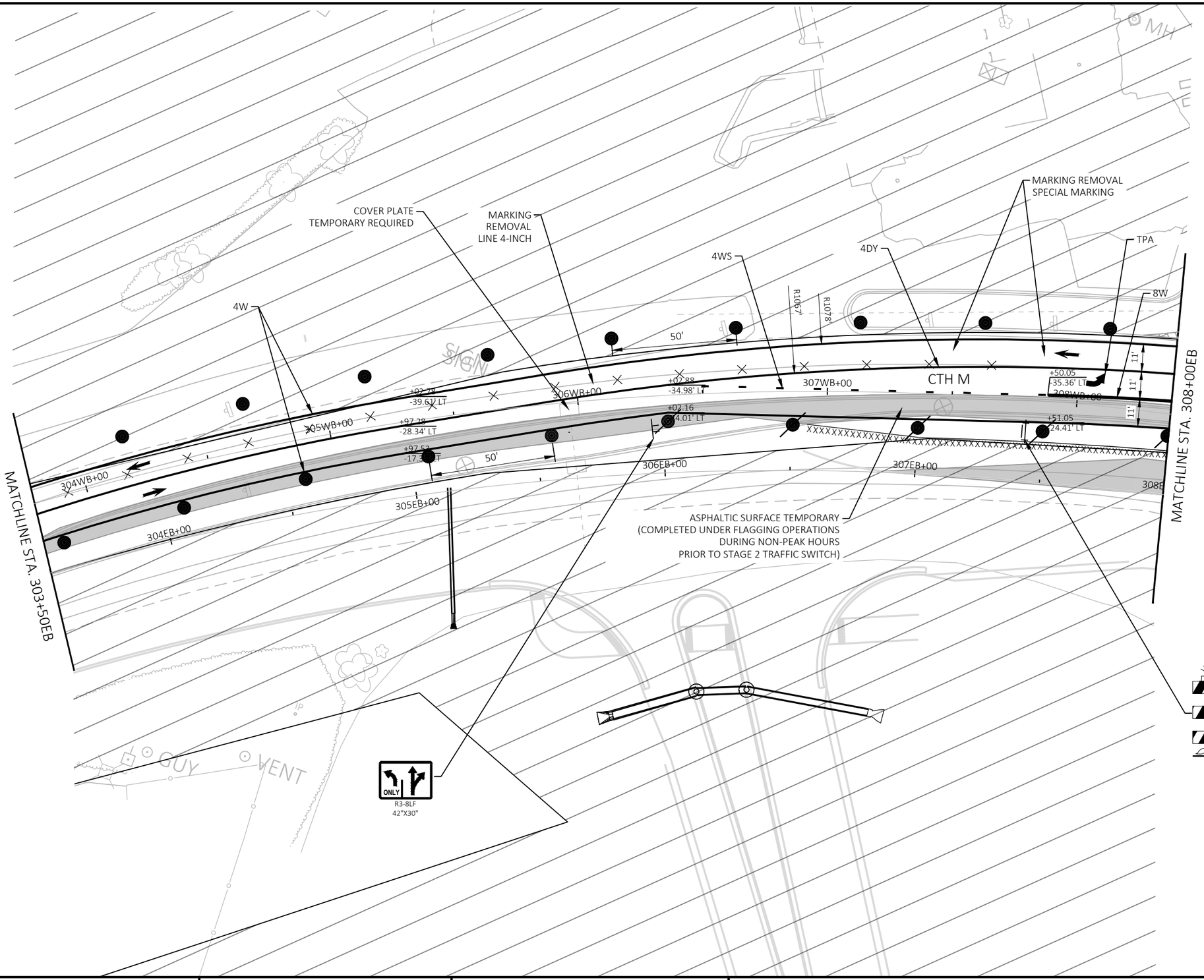
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 281	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 2.DWG
LAYOUT NAME - 06

PLOT DATE : 4/13/2023 1:37 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



NOTE:
MAINTAIN DRAINAGE BETWEEN CONSTRUCTED EMBANKMENT FILL AND EXISTING ROADWAY EMBANKMENT.

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 282	E

2

2

N

CTH K

SIX MILE CREEK

CTH M

MATCHLINE STA. 308+00EB

MATCHLINE STA. 314+00EB

BASE AGGREGATE DENSE 1-1/4 INCH
FOR TRUCK TURNING MOVEMENT

MARKING
REMOVAL
WIDE LINE
(DIAGONALS)

MARKING
REMOVAL
LINE 8-INCH

MARKING REMOVAL
SPECIAL MARKING

INSTALL STORM SEWER CROSSING
UNDER FLAGGING OPERATION
DURING NON-PEAK HOURS

R3-8LAR
54"X30"

MARKING
REMOVAL
LINE 4-INCH

TEMPORARY COVER PLATE

18WS

COVER PLATE
TEMPORARY REQUIRED

TEMPORARY INLET COVER
REQUIRED

TPA

4YS

8W

4W

4DY

R50'

50'

+15.94
-59.77' LT

+15.99
-48.77' LT

+15.54
-26.77' LT

+51.23
-33.45' LT

+52.64
-11.44' LT

+66.67
-59.91' LT

+71.29
-47.83' LT

+68.92
-36.93' LT

+70.74
-25.83' LT

+70.46
-14.84' LT

+11.54
-17.59' LT

+51.35
-58.67' LT

+51.14
-46.70' LT

+60.85
-34.40' LT

+77.94
-45.07' LT

+74.80
-33.79' LT

+74.93
-22.79' LT

11'

309WB+00

310WB+00

311WB+00

312WB+00

313WB+00

314WB+00

309EB+00

310EB+00

311EB+00

312EB+00

313EB+00

314

MARKING REMOVAL
SPECIAL MARKING

ASPHALTIC SURFACE
TEMPORARY COMPLETED
DURING STAGE 2

ASPHALTIC SURFACE TEMPORARY
(COMPLETED UNDER FLAGGING OPERATIONS
DURING NON-PEAK HOURS
PRIOR TO STAGE 2 TRAFFIC SWITCH)

NORTH SHORE BAY DR

TEMPORARY GRADE TO MAINTAIN
DRAINAGE THROUGH PROPOSED
CULVERT PIPE.

XXXXXXXX

XXXXXXXX

INSTALL CULVERT PIPE UNDER
FLAGGING OPERATION

R11-2L
48" X 30"

LANE
CLOSED

TYPE III BARRICADE

SEE OVERVIEW SHEET FOR
SHARED USE PATH CLOSURE

NOTE:
MAINTAIN DRAINAGE BETWEEN CONSTRUCTED
EMBANKMENT FILL AND EXISTING ROADWAY
EMBANKMENT.

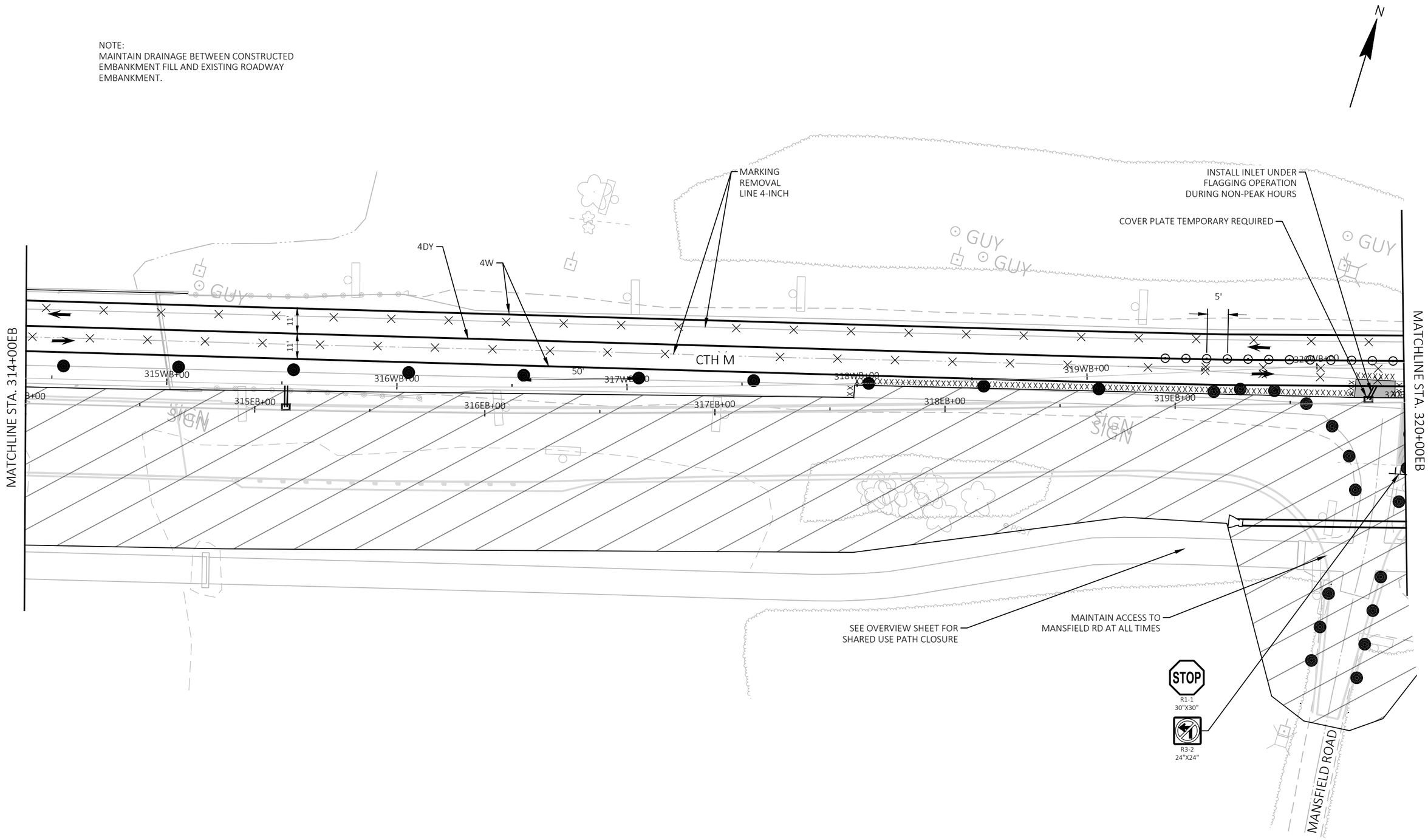
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 283	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 2.DWG
LAYOUT NAME - 08

PLOT DATE : 4/13/2023 1:38 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE:
MAINTAIN DRAINAGE BETWEEN CONSTRUCTED EMBANKMENT FILL AND EXISTING ROADWAY EMBANKMENT.



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 284	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 2.DWG
LAYOUT NAME - 09
PLOT DATE : 4/13/2023 1:38 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

MARKING REMOVAL LINE 4-INCH

R3-2 24"X24"

ASPHALTIC SURFACE TEMPORARY FROM STAGE 1

MATCH STAGE 1 PAVEMENT MARKING

4DY

4W

MATCHLINE STA. 320+00EB

MATCHLINE STA. 326+00EB

CTH M

5'

50'

321WB+00

322WB+00

323WB+00

324WB+00

325WB+00

326WB+00

+72.10 -14.30' LT

+56.62 -24.83' LT

+66.95 -23.71' LT

+73.80 -19.11' LT

+73.57 -7.11' LT

+89.41 -6.53' LT

+28.57 -13.59' LT

+71.91 2.30' LT

321EB+00

322EB+00

323EB+00

324EB+00

325EB+00

+88.16 4.40' RT

+22.87 7.42' RT

+11.25 1.77' RT

+28.18 18.99' RT

+24.94 23.78' RT

4W

MARKING REMOVAL LINE 8-INCH

MATCH STAGE 1 PAVEMENT MARKING

SEE OVERVIEW SHEET FOR SHARED USE PATH CLOSURE

SIGN

BEGIN LEFT TURN LANE

R3-20L 24"X36"

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 285	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 2.DWG
LAYOUT NAME - 10

PLOT DATE : 4/13/2023 1:38 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

NOTE:
MAINTAIN DRAINAGE BETWEEN CONSTRUCTED EMBANKMENT FILL AND EXISTING ROADWAY EMBANKMENT.

N

STAGE 1 TEMPORARY PAVEMENT MARKING SHOWN. SEE TRAFFIC CONTROL STAGE 3 FOR TEMPORARY PAVEMENT MARKING LAYOUT AFTER WOODLAND IS RECONSTRUCTED AND REOPENED.

SEE OVERVIEW SHEET FOR SHARED USE PATH CLOSURE

WOODLAND DRIVE

PROVIDE TEMPORARY DRAINAGE

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

GUY

GUY POLE

MATCHLINE STA. 326+00EB

MATCHLINE STA. 332+00EB

327WB+00

328WB+00

329WB+00

330WB+00

331WB+00

332WB+00

327EB+00

328EB+00

329EB+00

330EB+00

331EB+00

50'

CTH M

SEE OVERVIEW SHEET FOR SHARED USE PATH CLOSURE

STAGE 1 PAVEMENT MARKING (TYP.)

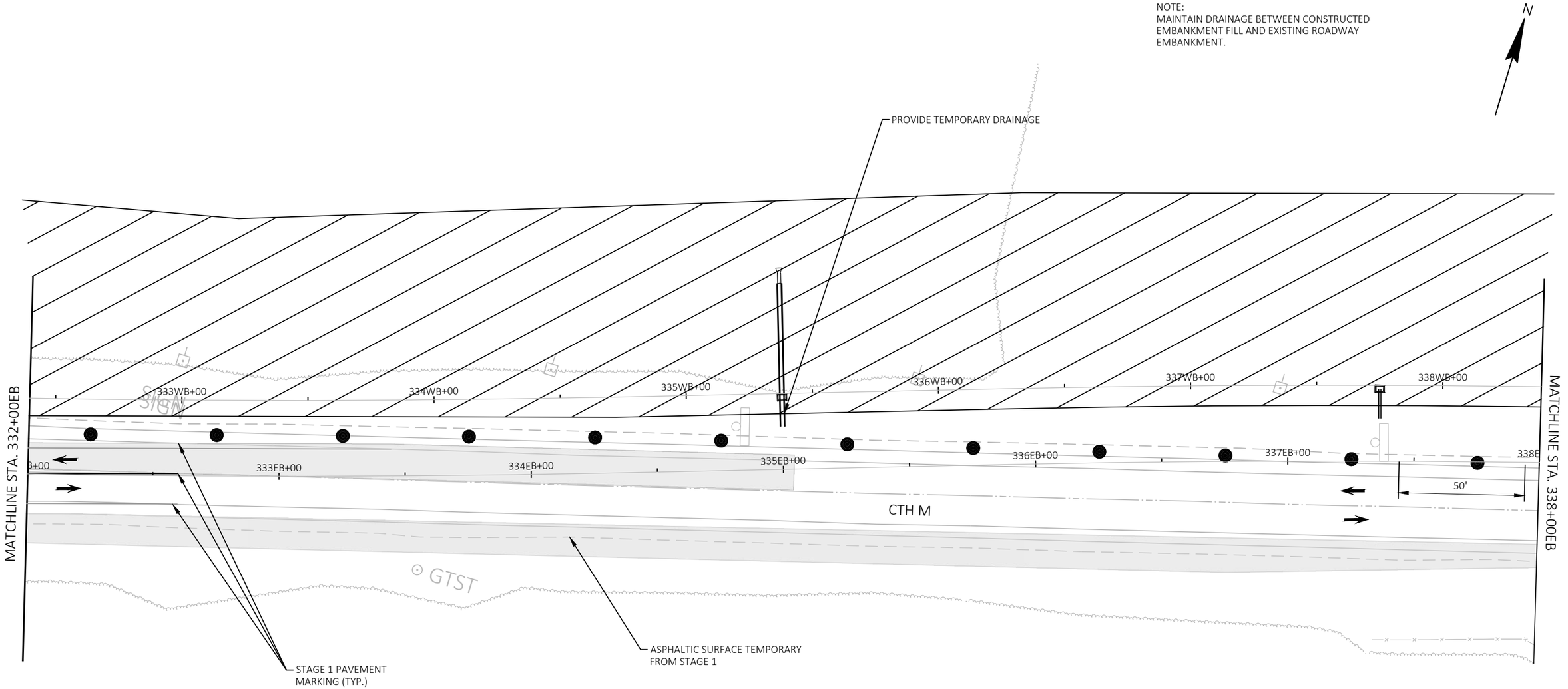
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 286	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 2.DWG
LAYOUT NAME - 11

PLOT DATE : 4/13/2023 1:38 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE:
MAINTAIN DRAINAGE BETWEEN CONSTRUCTED EMBANKMENT FILL AND EXISTING ROADWAY EMBANKMENT.

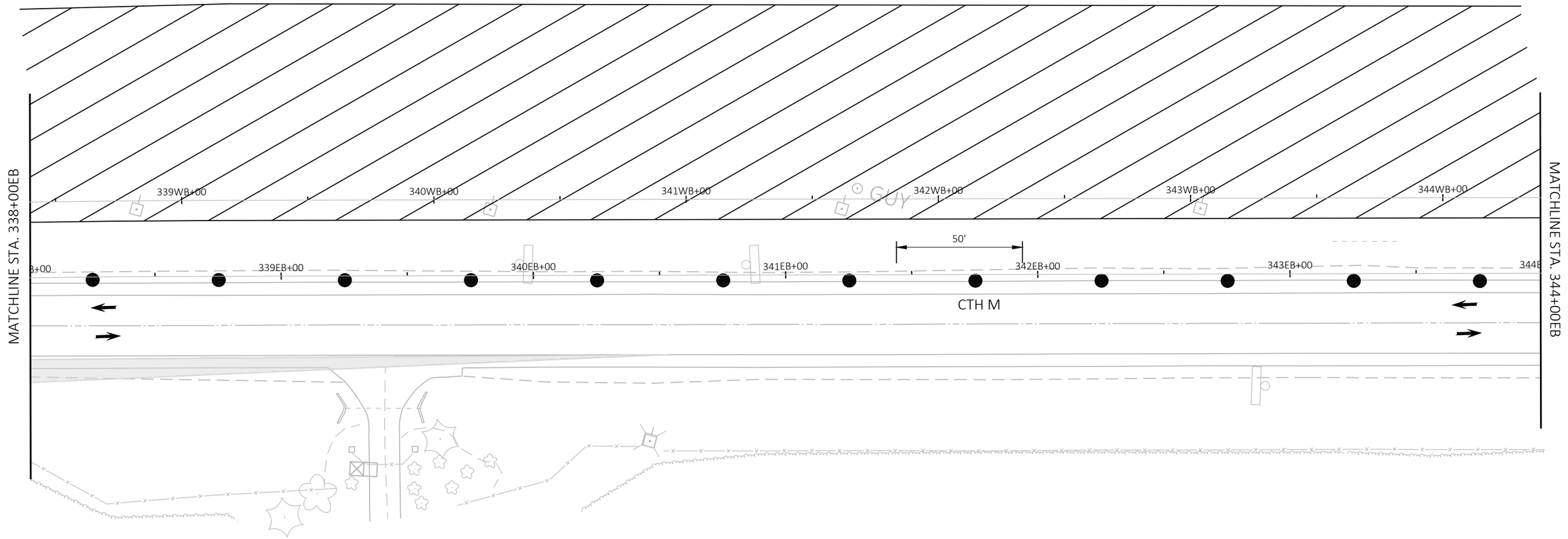


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 287	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 2.DWG
LAYOUT NAME - 12
PLOT DATE : 4/13/2023 1:38 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

NOTE:
MAINTAIN DRAINAGE BETWEEN CONSTRUCTED EMBANKMENT FILL AND EXISTING ROADWAY EMBANKMENT.

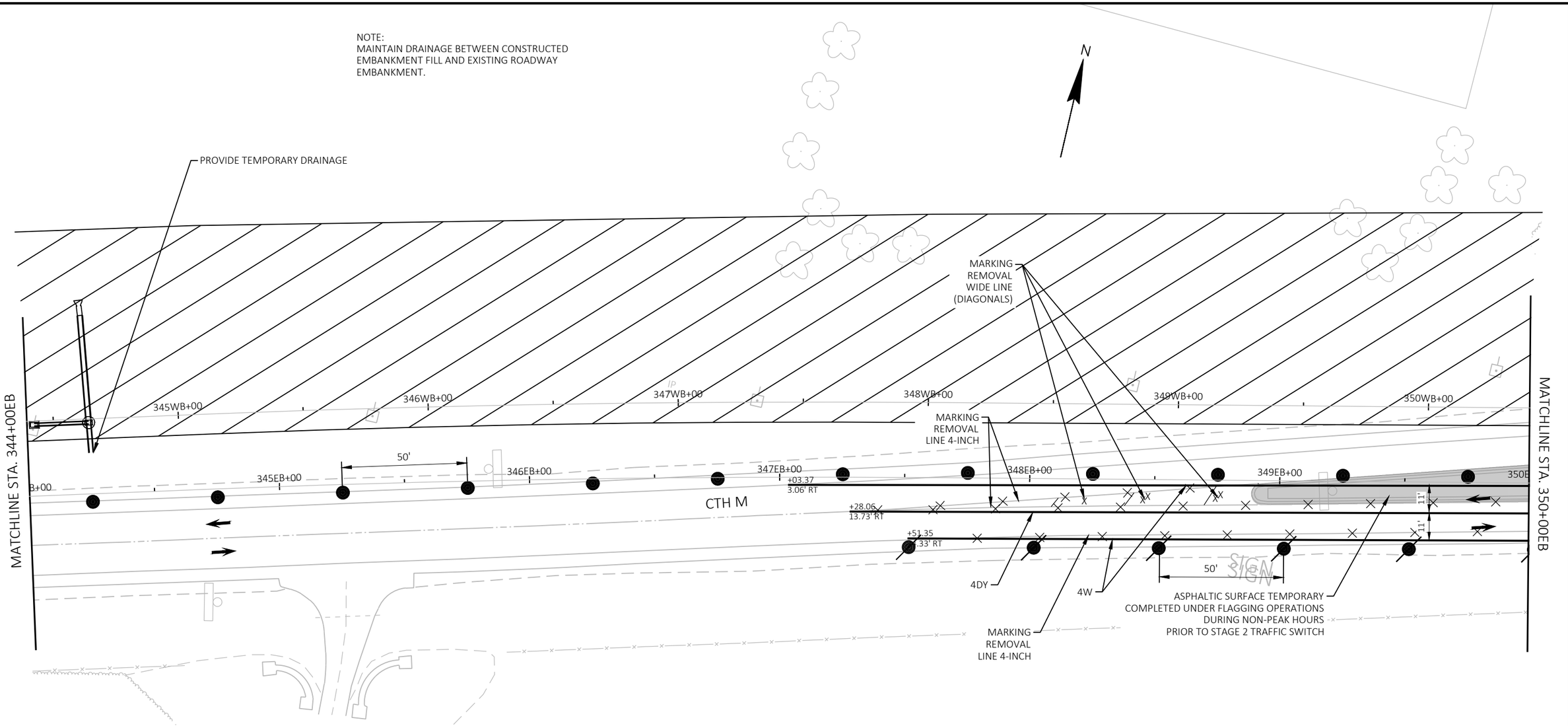


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 288	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 2.DWG
LAYOUT NAME - 13

PLOT DATE : 4/13/2023 1:39 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE:
MAINTAIN DRAINAGE BETWEEN CONSTRUCTED EMBANKMENT FILL AND EXISTING ROADWAY EMBANKMENT.



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 289	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 2.DWG
LAYOUT NAME - 14

PLOT DATE : 4/13/2023 1:39 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

WO1-4L

STOP
R1-1
30"X30"

SEE STAGE 3 TRAFFIC CONTROL FOR TEMPORARY PAVEMENT MARKING LAYOUT AFTER MARY LAKE ROAD IS RECONSTRUCTED AND REOPENED.

TEMPORARY INLET COVER

MARY LAKE ROAD

MARKING REMOVAL SPECIAL MARKING

MARKING REMOVAL LINE 8-INCH

MARKING REMOVAL SPECIAL MARKING

MARKING REMOVAL LINE 8-INCH

18WS

MATCHLINE STA. 350+00EB

MATCHLINE STA. 356+00EB

351WB+00

352WB+00

353WB+00

354WB+00

355WB+00

356WB+00

50'

+61.02
0.99' RT

351EB+00

352EB+00

353EB+00

354EB+00

355EB+00

+61.45
11.99' RT

+61.88
22.98' RT

+30.51
9.65' RT

+18.39
-14.27' LT

+18.53
-3.23' LT

+18.59
7.84' RT

11'

+91.19
-14.68' LT

+77.45
-3.67' LT

+77.01
7.33' RT

+77.13
18.33' RT

+31.53
-4.62' LT

+14.65
-3.62' LT

+14.29
7.37' RT

+76.83
18.36' RT

CTH M

4DY

MARKING REMOVAL LINE 4-INCH

4W

8W

WO1-6
48"X24"

TPA

R3-8LF
42"X30"

GUY

GUYPOLE

KUPFER ROAD

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 290	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 2.DWG
LAYOUT NAME - 15

PLOT DATE : 4/13/2023 1:39 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE:
MAINTAIN DRAINAGE BETWEEN CONSTRUCTED EMBANKMENT FILL AND EXISTING ROADWAY EMBANKMENT.

N

TEMPORARY CONNECTION TO EXISTING STORM SEWER

ONLY
R3-LF
42"X30"

MAINTAIN ACCESS AT ALL TIMES

MARKING REMOVAL WIDE LINE (DIAGONALS)

MARKING REMOVAL LINE 4-INCH

MATCHLINE STA. 356+00EB

357WB+00 358WB+00 359WB+00 360WB+00 361WB+00 362WB+00

CTH M

+10
-3.60' LT

+10.03
7.40' RT

+98.05
-3.09' LT

357EB+00 358EB+00 359EB+00 360EB+00 361EB+00 362EB+00

+78.35
-0.50' LT

+17.51
-12.25' LT

+17.53
-1.25' LT

+17.55
9.75' RT

100'

11' 11' 11'

4DY

4W

4DY

SIGN

MATCHLINE STA. 362+00EB

TEMPORARY INLET COVER

REMOVE EXISTING PAVEMENT MARKING

ASPHALTIC SURFACE TEMPORARY
(COMPLETED UNDER FLAGGING OPERATIONS
DURING NON-PEAK HOURS
PRIOR TO TRAFFIC SWITCH)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 291	E

NOTE:
MAINTAIN DRAINAGE BETWEEN CONSTRUCTED EMBANKMENT FILL AND EXISTING ROADWAY EMBANKMENT.

N

MATCHLINE STA. 362+00EB

MATCHLINE STA. 368+00EB

363WB+00
364WB+00
365WB+00
366WB+00
367WB+00
368WB+00

363EB+00
364EB+00
365EB+00
366EB+00
367EB+00

CTH M

50'
11'
11'
5'

MARKING REMOVAL LINE 4-INCH

PROVIDE TEMPORARY DRAINAGE

MARKING REMOVAL LINE 4-INCH

+25.21
9.09' RT

+81.15
14.43' RT

+97.02
16.63' RT

+28.93
11.85' RT

+01.23
8.03' LT

+02.92
2.97' RT

+02.60
13.96' RT

4W

4DY

MARKING REMOVAL SPECIAL MARKING

MARKING REMOVAL LINE 8-INCH

4DY

4W

R3-2
24"X24"

WILLOW ROAD (WEST)

GUY
GTST
GUY
SIGN
SIGN
MH
SIGN
CV

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 292	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 2.DWG
LAYOUT NAME - 17

PLOT DATE : 4/13/2023 1:40 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

NOTE:
CULVERT CONSTRUCTION TO TAKE PLACE DURING STAGE 3 WHEN CTH M IS CLOSED FOR RAILROAD CROSSING REPLACEMENT. SEE CONSTRUCTION DETAILS "CULVERT STAGING" FOR DETAILS.

NOTE:
MAINTAIN DRAINAGE BETWEEN CONSTRUCTED EMBANKMENT FILL AND EXISTING ROADWAY EMBANKMENT.

N

PROVIDE TEMPORARY DRAINAGE

W5-52R
12"X36"

MARKING REMOVAL LINE 4-INCH

MATCHLINE STA. 368+00EB

369WB+00

370WB+00

371WB+00

372WB+00

373WB+00

374WB+00

372EB+00

373EB+00

CTH M

11'

11'

4DY

4W

6:1 FLARE RATE

MARKING REMOVAL LINE 4-INCH

MATCHLINE STA. 374+00EB

SIGN

SIGN

WV

MARKING REMOVAL WIDE LINE (DIAGONALS)

2

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 293	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 2.DWG
LAYOUT NAME - 18

PLOT DATE : 4/13/2023 1:40 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

TEMPORARY PIPE EXTENSION
22 LF CULVERT PIPE TEMPORARY 24-INCH
1 EACH CONCRETE COLLAR

ASPHALTIC SURFACE TEMPORARY
(COMPLETED UNDER FLAGGING OPERATIONS
DURING NON-PEAK HOURS
PRIOR TO TRAFFIC SWITCH)

MATCHLINE STA. 374+00EB

MATCHLINE STA. 380+00EB

375WB+00 376WB+00 377WB+00 378WB+00 379WB+00 380WB+00

375EB+00 376EB+00 377EB+00 378EB+00 379EB+00

50'

CTH M WB

CTH M EB

11'

+64.19
5.04' RT

+64.65
16.03' RT

+64.22
27.04' RT

+73.99 X X X
26.25' RT

+73.99
37.25' RT

+60.44
-3.35' LT

+60.83
7.65' RT

+59.92
15.27' RT

+59.92
26.27' RT

+59.92
37.27' RT

+77.42
7.76' RT

+77.41
18.76' RT

+34.85
7.81' RT

+33.29
18.81' RT

4DY

4W

MARKING
REMOVAL
LINE 4-INCH

MARKING
REMOVAL
SPECIAL
MARKING

MARKING
REMOVAL
LINE 4-INCH

TPA

8W

BEGIN
RIGHT
TURN
LANE

R3-20R
24"X36"

EXISTING
8-INCH LINE
TO REMAIN

R11-2
48" X 30"

ROAD
CLOSED

TYPE III BARRICADE

GUY

MH

MWEL

SIGN

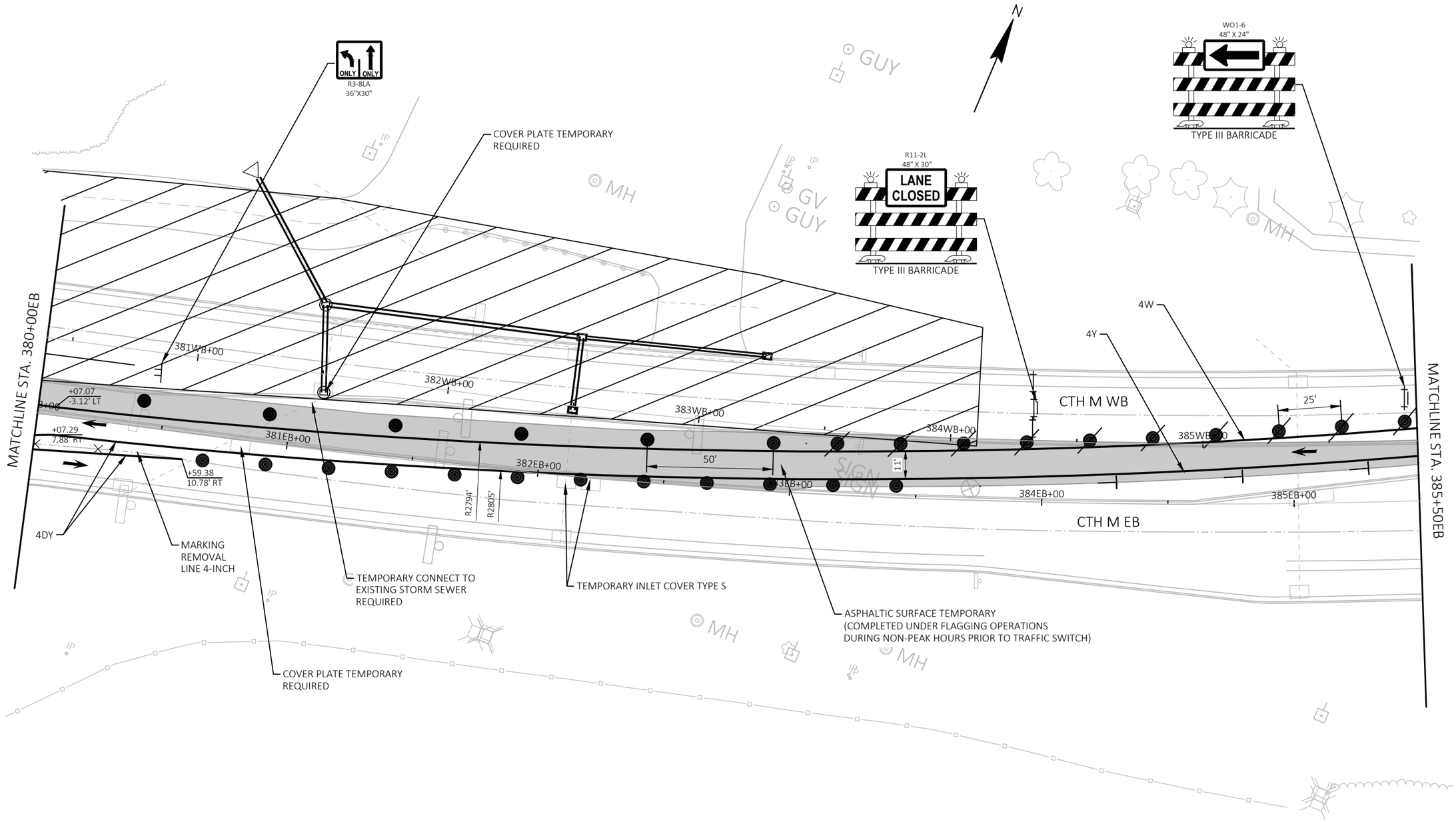
WILLOW ROAD (EAST)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 294	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 2.DWG
LAYOUT NAME - 19

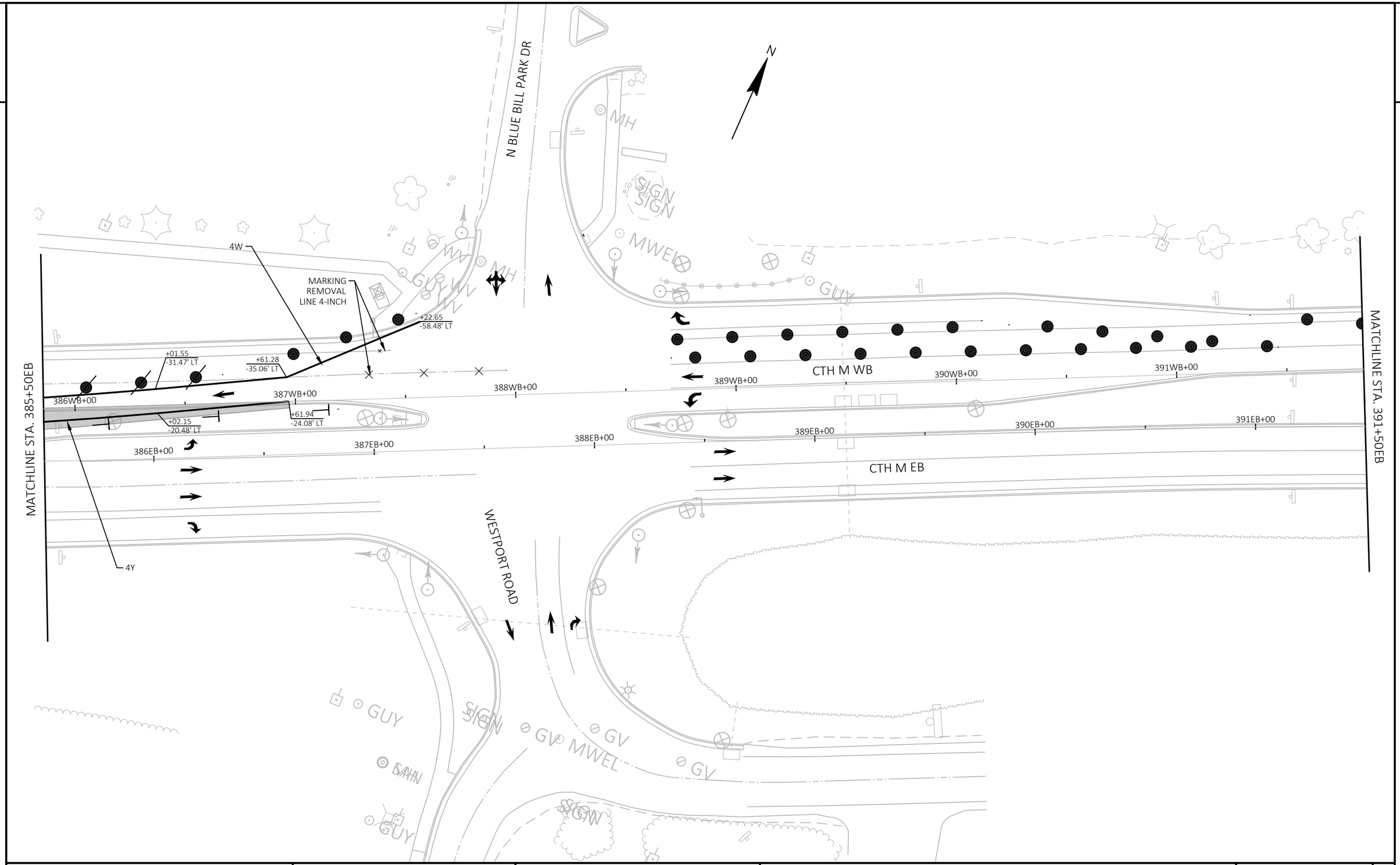
PLOT DATE : 4/13/2023 1:40 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



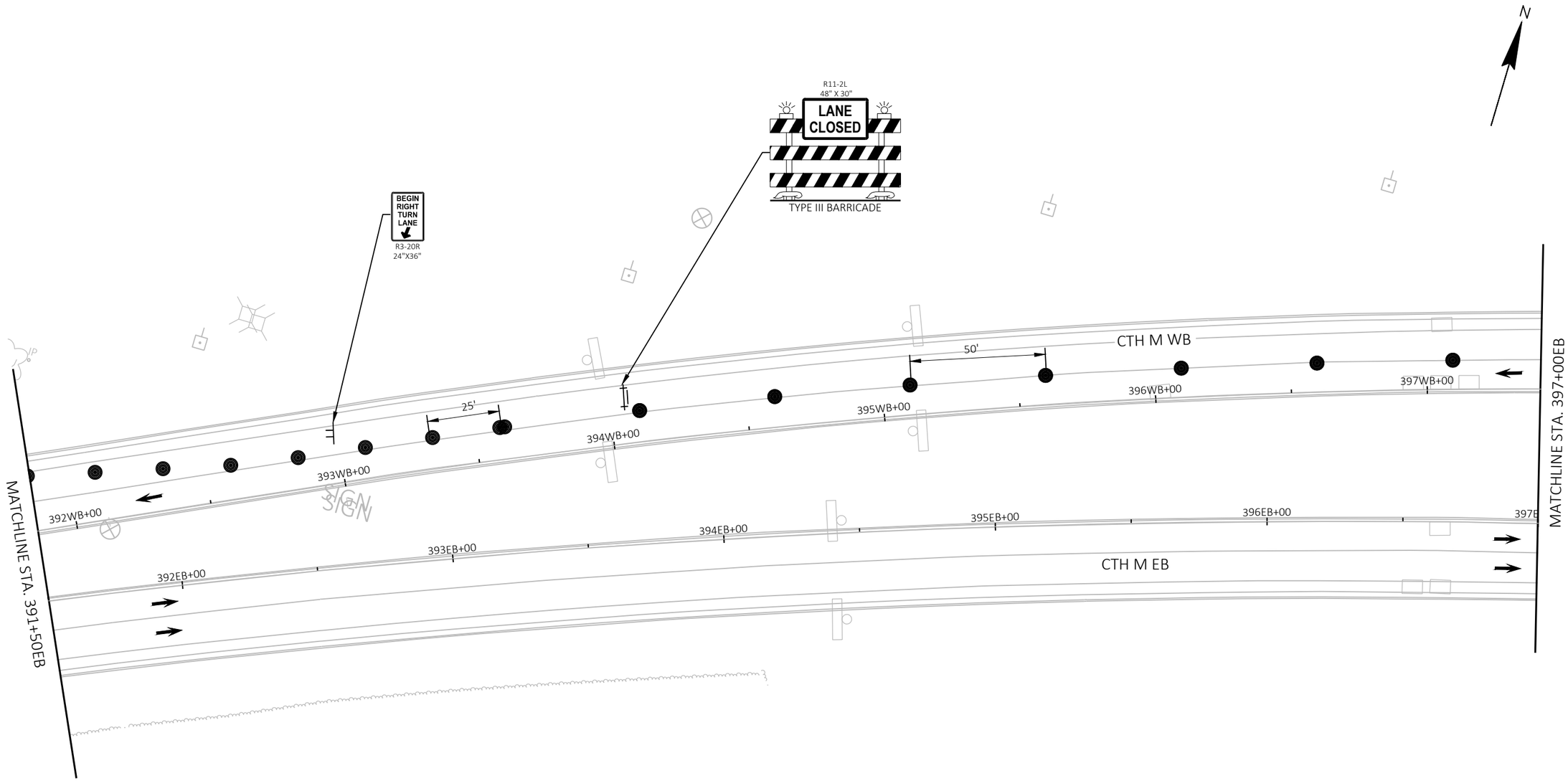
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 295	E

2



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 296	E

2



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 297	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 2.DWG
LAYOUT NAME - 22

PLOT DATE : 4/13/2023 1:41 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

50'

CTH M WB

398WB+00

399WB+00

400WB+00

401WB+00

402WB+00

403WB+00

MATCHLINE STA.397+00EB

398EB+00

399EB+00

400EB+00

401EB+00

402EB+00

403EB+00

CTH M EB

RAILROAD CROSSING

MH

GUY

GTST

MH

GUY

GUY

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 298	E

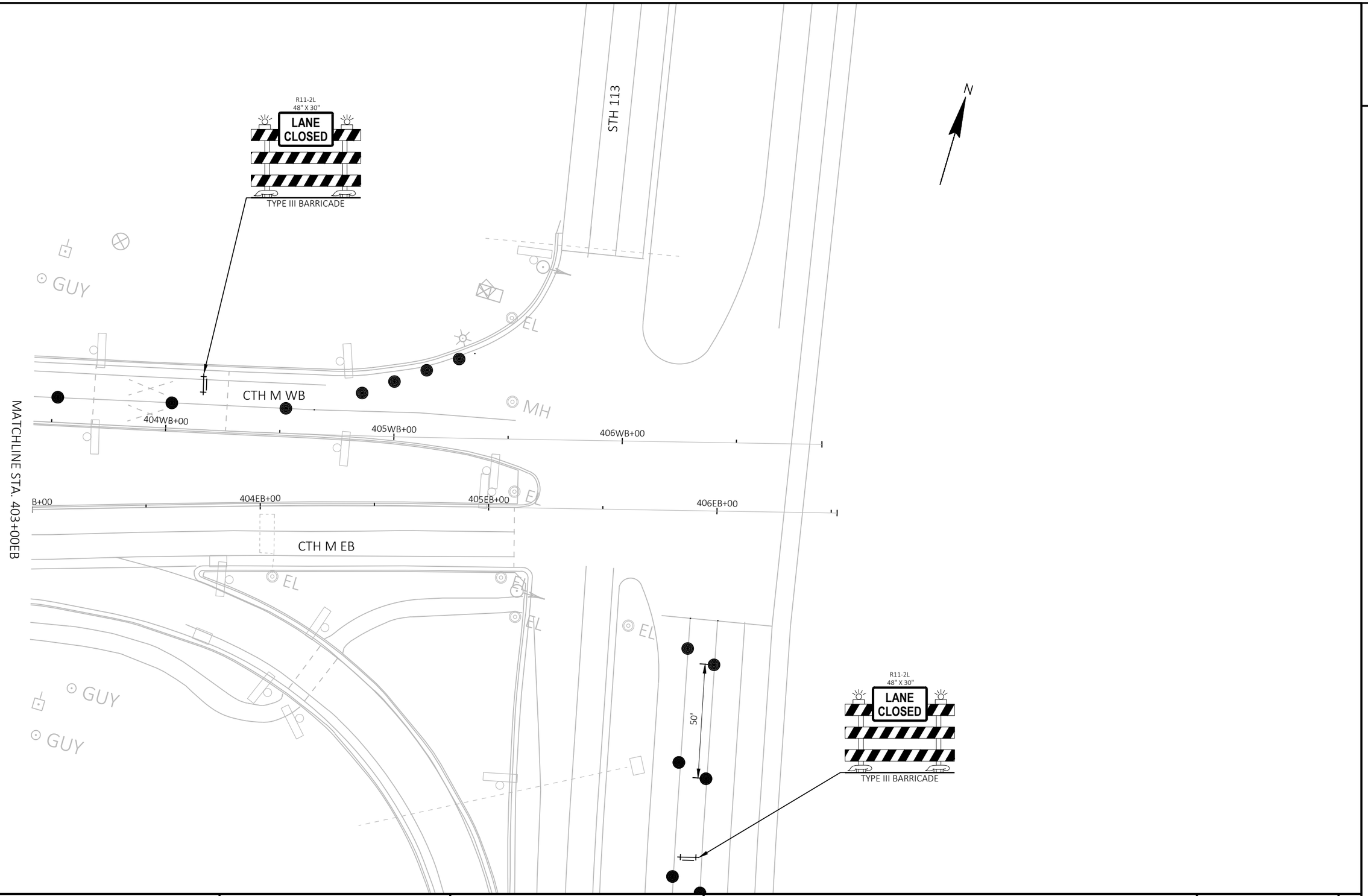
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 2.DWG
LAYOUT NAME - 23

PLOT DATE : 4/13/2023 1:41 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2	SHEET 299	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 2.DWG
LAYOUT NAME - 24

PLOT DATE : 4/13/2023 1:41 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

SEE OVERVIEW SHEET FOR
SHARED USE PATH CLOSURE

WOODLAND DRIVE

N

R3-1
24"X24"

325WB+00

+78.29
-14.67' LT

325EB+00

+23.
7.40' RT

+10.31
11.77' RT

330WB+00

25'

+43.75
-6.50' LT

330EB+00

+73.72
11.78' RT

CTH M

GUY POLE
GUY

4YT

4WT

4WT

PAVEMENT MARKING
FROM STAGE 2 (TYP.)

ASPHALTIC SURFACE TEMPORARY
COMPLETED IN STAGE 2

SEE OVERVIEW SHEET FOR
SHARED USE PATH CLOSURE

R3-2
24"X24"

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 (WOODLAND DRIVE CLOSED)	SHEET 300	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 2 (MARY LAKE CLOSED).DWG
LAYOUT NAME - Woodland

PLOT DATE : 4/13/2023 1:48 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

MARY LAKE ROAD

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R3-1
24"X24"

MAINTAIN ACCESS
AT ALL TIMES

PK 352+90.91

25'

50'

CTH M

4WT

4WT

R3-2
24"X24"

STAGE 2 PAVEMENT
MARKING (TYP.)

4DYT

ASPHALTIC SURFACE TEMPORARY
COMPLETED IN STAGE 2

MATCH STAGE 2
PAVEMENT MARKING

STAGE 2 PAVEMENT
MARKING (TYP.)

KUPFER ROAD

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 (MARY LAKE ROAD CLOSED)	SHEET 301	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 2 (MARY LAKE CLOSED).DWG
LAYOUT NAME - Mary Lake

PLOT DATE : 4/13/2023 1:48 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

MAINTENANCE OF TRAFFIC

CTH M

- CTH M WILL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES EXCEPT AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS.
- CTH M TO BE CLOSED AND DETOURED USING ALTERNATE ROUTE FROM BLUE BILL TO STH 113 AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS
- TRAFFIC WILL TRAVEL ON EXISTING, TEMPORARY AND NEW PAVEMENT.

SIDE ROADS

- ALL SIDE ROADS WILL REMAIN OPEN TO ALL EXISTING LANES AT ALL TIMES EXCEPT AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS.
- CTH K TO BE CLOSED AND DETOURED USING ALTERNATE ROUTE AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS.

PEDESTRIANS

- SIDEWALK AT WESTPORT ROAD TO BE CLOSED.
- SIDEWALK AT CTH K INTERSECTION TO BE CLOSED
- BIKE PATH (BOARDWALK) TO BE CLOSED FROM NORTH SHORE BAY DRIVE TO WOODLAND DRIVE. (NO POSTED DETOUR)
- SHARED USE PATH AT RAILROAD CROSSING TO BE CLOSED DURING RAILROAD WORK BY OTHERS AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS.

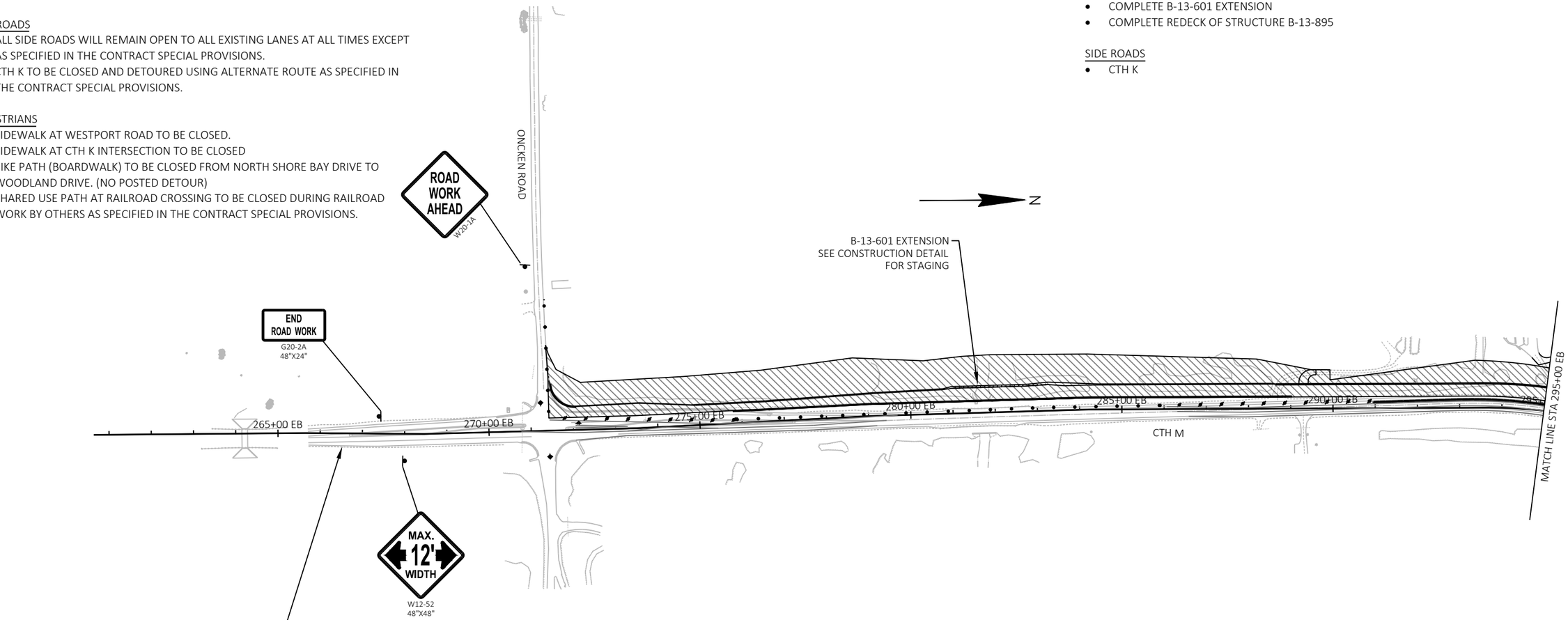
STAGE 3 WORK TO BE COMPLETED

CTH M

- COMPLETE CTH M WB LANES
- COMPLETE RAILROAD SURFACE (BY OTHERS)
- COMPLETE CTH M PAVEMENT REPLACEMENT FROM BLUE BILL TO STH 113
- COMPLETE B-13-601 EXTENSION
- COMPLETE REDECK OF STRUCTURE B-13-895

SIDE ROADS

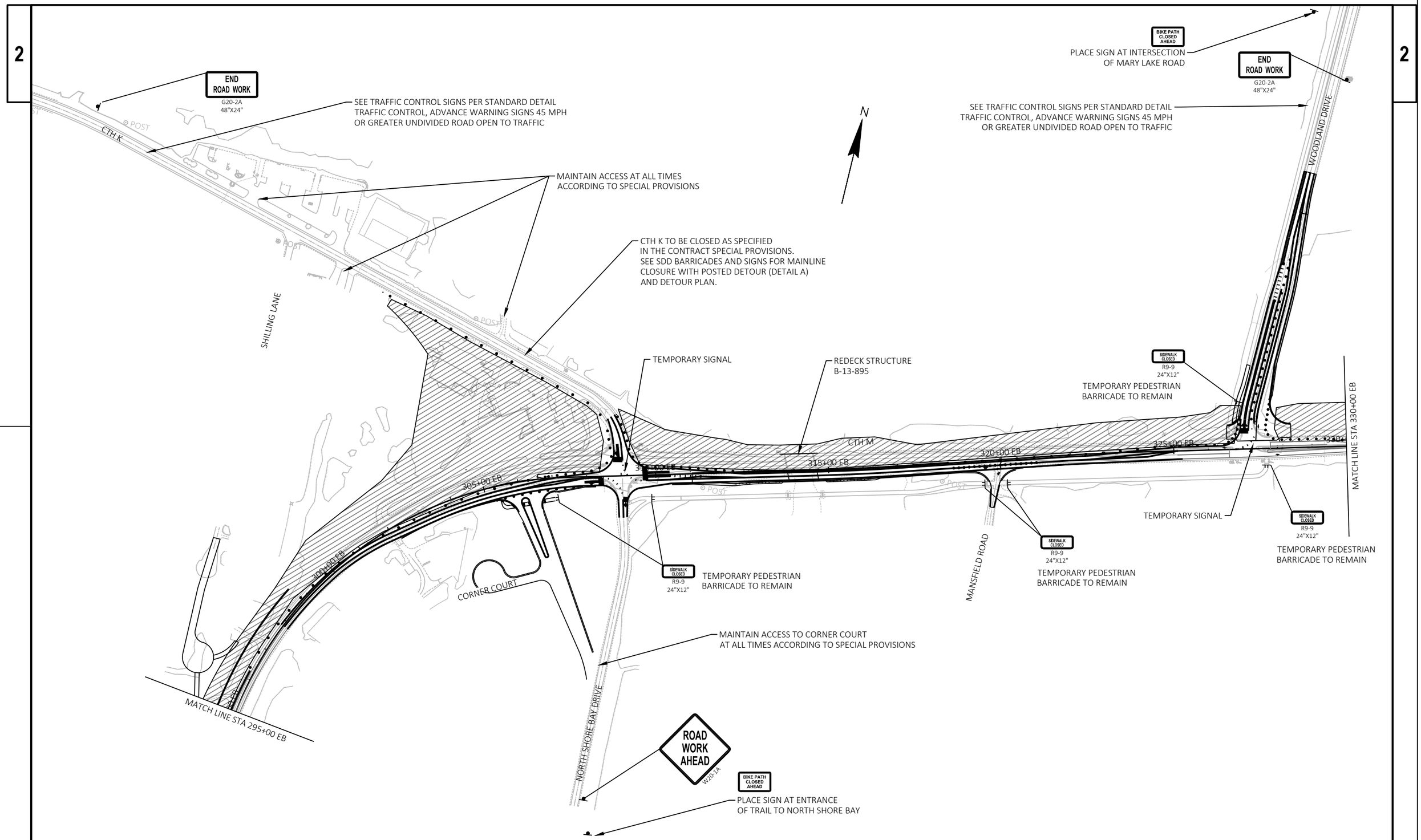
- CTH K



** PLACE SIGN AT CTH Q AND CTH M INTERSECTION

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 302	E

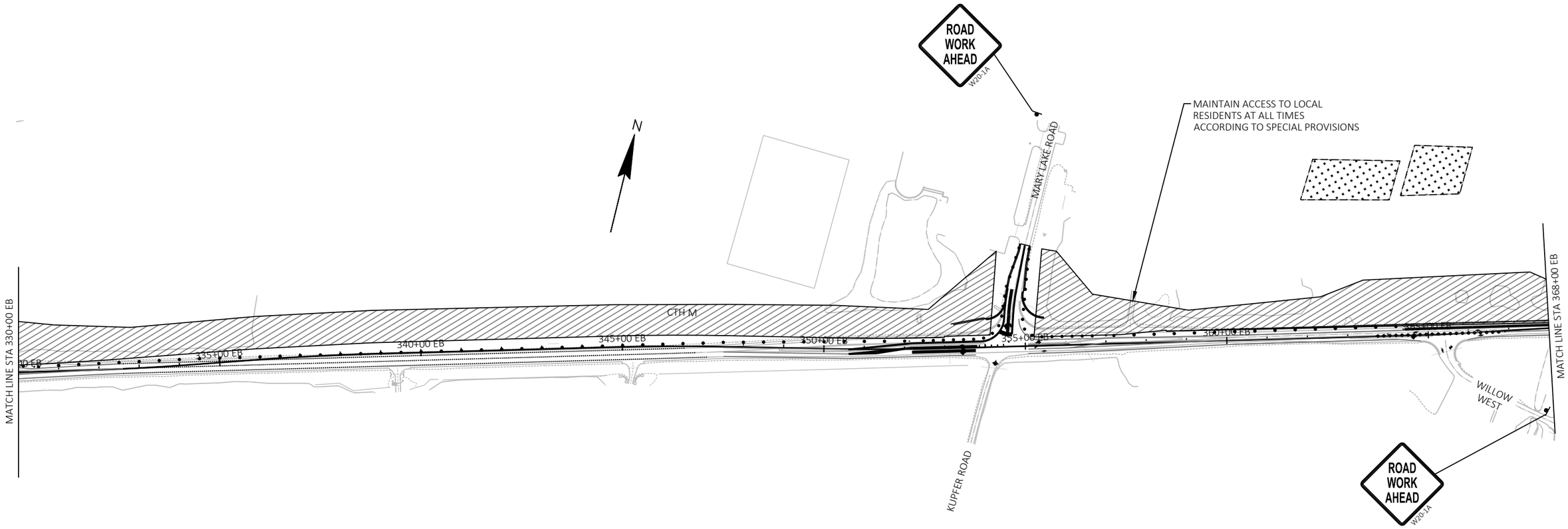
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 3 OVERVIEW.DWG
LAYOUT NAME - 01
PLOT DATE : 5/1/2023 8:24 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1:250



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 303	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 3 OVERVIEW.DWG
LAYOUT NAME - 01
PLOT DATE : 5/1/2023 8:25 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1:250
WISDOT/CADDS SHEET 44

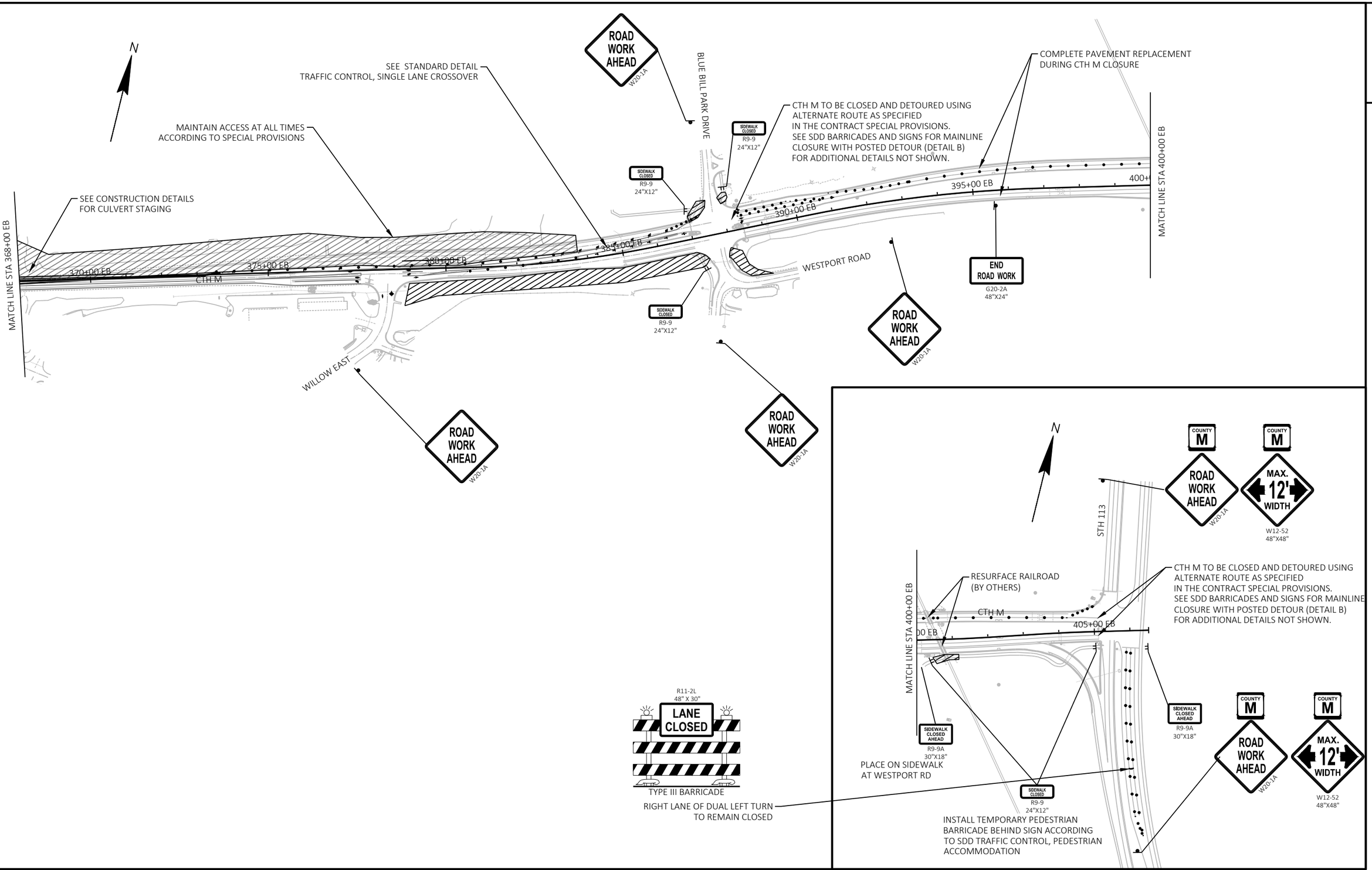
2



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 304	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 3 OVERVIEW.DWG
LAYOUT NAME - 01

PLOT DATE : 5/1/2023 8:25 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1:250



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 305	E

NOTE:
STATION AND OFFSET LABELS FOR
STAGE 3 REFERENCE FROM
CTH M EB ALIGNMENT

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

N

MATCH STAGE 2 TRAFFIC CONTROL

299WB+00
300WB+00
301WB+00
302WB+00
303WB+00
298EB+00
299EB+00
300EB+00
301EB+00
302EB+00
303EB+00

+83.43
-6.47' LT
+83.39
4.53' RT
+83.35
15.53' RT

+11.02
-3.89' LT
+11.24
7.12' RT
+10.76
18.11' RT

11'
11'

CTH M

R1063'
R1052'
R1041'

4DY
R739'
R728'
R717'
4W

50'

+93.62
10.75' RT
+92.30
21.67' RT
+90.95
32.59' RT

+18.04
18.00' RT
+18.33
29.00' RT
+18.33
40.00' RT

4WT
4DYT

ASPHALTIC SURFACE TEMPORARY

MATCHLINE STA. 303+50EB

IP

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 306	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 3.DWG
LAYOUT NAME - 06
PLOT DATE : 4/13/2023 2:27 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

MATCHLINE STA. 303+50EB

MATCHLINE STA. 308+00EB

304WB+00
305WB+00
306WB+00
307WB+00
308WB+00
304EB+00
305EB+00
306EB+00
307EB+00
308E

50'

+62.03
13.58' RT

+62.41
24.58' RT

+55.88
6.29' RT

+57.24
17.21' RT

+44.14
-3.33' LT

+04.42
18.73' RT

+92.3
4.51

+93.
15.4

+92.0
26.00

11'
11'

CTH M

R1208'
R1177'
R1190'
R1190'
R789'
R800'

4WT

4DYT

SEE OVERVIEW SHEET FOR
SHARED USE PATH CLOSURE

R11-2
48" X 30"
ROAD
CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD
CLOSED
TYPE III BARRICADE

ONLY
R3-8LF
42"X30"

SIGN

VENT

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 307	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 3.DWG
LAYOUT NAME - 07

PLOT DATE : 4/13/2023 2:27 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

R3-8LF
42"X30"

R3-8LAR
54"X30"

N

SIX MILE CREEK

CTH K

CTH M

MATCHLINE STA. 308+00EB

MATCHLINE STA. 314+00EB

NORTH SHORE BAY DR

4DY
4W
4DYT
4WT
4YST
8W
8WT
18WS
TPA
11'
25'
R60'
R50'
R45'

309WB+00
310WB+00
311WB+00
312WB+00
313WB+00
314WB+00
309EB+00
310EB+00
311EB+00
312EB+00
313EB+00

+26.80
-11.28' LT
+41.11
RT
+42.28
26.05' RT
+69.26
7.00' LT
+70.41
15.00' RT
+55.26
36.60' RT
+38.58
-17.99' LT
+40.49
-17.99' LT
+40.07
-6.99' LT
+39.51
4.00' RT
+41.03
15.00' RT
+44.24
26.00' RT
+28.89
8.49' RT
+54.57
4.00' RT
+58.31
15.00' RT

SEE OVERVIEW SHEET FOR
SHARED USE PATH CLOSURE

ASPHALTIC SURFACE TEMPORARY

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 308	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 3.DWG
LAYOUT NAME - 08

PLOT DATE : 4/13/2023 2:27 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

MATCHLINE STA. 314+00EB

MATCHLINE STA. 320+00EB

315WB+00

316WB+00

317WB+00

318WB+00

319WB+00

320WB+00

315EB+00

316EB+00

317EB+00

318EB+00

319EB+00

320EB+00

CC

CTH M

11'

11'

+78.10
4.00' RT

+78.10
15.00' RT

+78.10
26.00' RT

+14.18
7.35' LT

+20.43
4.00' RT

+20.42
15.00' RT

+20.40
26.00' RT

50'

5'

4DYT

4WT

W5-52R
12"X36"

COVER
PLATTE
TEMPORARY
REQUIRED

SEE OVERVIEW SHEET FOR
SHARED USE PATH CLOSURE

STOP
R1-1
30"X30"

R3-2
24"X24"

MANSFIELD ROAD

POST

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 309	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 3.DWG
LAYOUT NAME - 09

PLOT DATE : 4/13/2023 2:28 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

MATCHLINE STA. 320+00EB

MATCHLINE STA. 326+00EB

R3-2
24"X24"

321WB+00

322WB+00

323WB+00

324WB+00

325WB+00

326WB+00

+61.07
-13.73' LT

+59.05
-17.50' LT

+11.18
-11.23' LT

+37.54
-6.67' LT

321EB+00

322EB+00

323EB+00

324EB+00

325EB+00

326E

+11.61
-0.23' LT

+47.81
5.46' RT

+48.32
16.45' RT

+24.15
14.72' RT

+40.23
27.14' RT

+24.94
23.78' RT

50'

11'

11'

11'

11'

5'

CTH M

4DY

4W

R3-8LA
36"X30"

ONLY ONLY

MATCH STAGE 2
PAVEMENT MARKING

ASPHALTIC SURFACE
TEMPORARY

SEE OVERVIEW SHEET FOR
SHARED USE PATH CLOSURE

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 310	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 3.DWG
LAYOUT NAME - 10

PLOT DATE : 4/13/2023 2:28 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

8WT

4WT

WOODLAND DRIVE

12'

12'

TRTA

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

WO1-6
48" X 24"
TYPE III BARRICADE

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

N

4W

18WT

R58'

R60'

4YST

75.33
-17.50' LT

+08.14
-17.50' LT

+96.35
19.93' LT

327WB+00

328WB+00

329WB+00

330WB+00

331WB+00

332WB+00

327EB+00

328EB+00

329EB+00

330EB+00

331EB+00

50'

CTH M

GUY POLE

MATCHLINE STA. 326+00EB

MATCH STAGE 2
TRAFFIC CONTROL

R11-3
60" X 30"
ROAD CLOSED
1 MILES AHEAD
LOCAL TRAFFIC ONLY
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

STAGE 2 PAVEMENT MARKING (TYP.)

SEE OVERVIEW SHEET FOR SHARED USE PATH CLOSURE

PLACE BARRICADE WHEN CTH M CLOSED FOR RAILROAD CROSSING WORK.

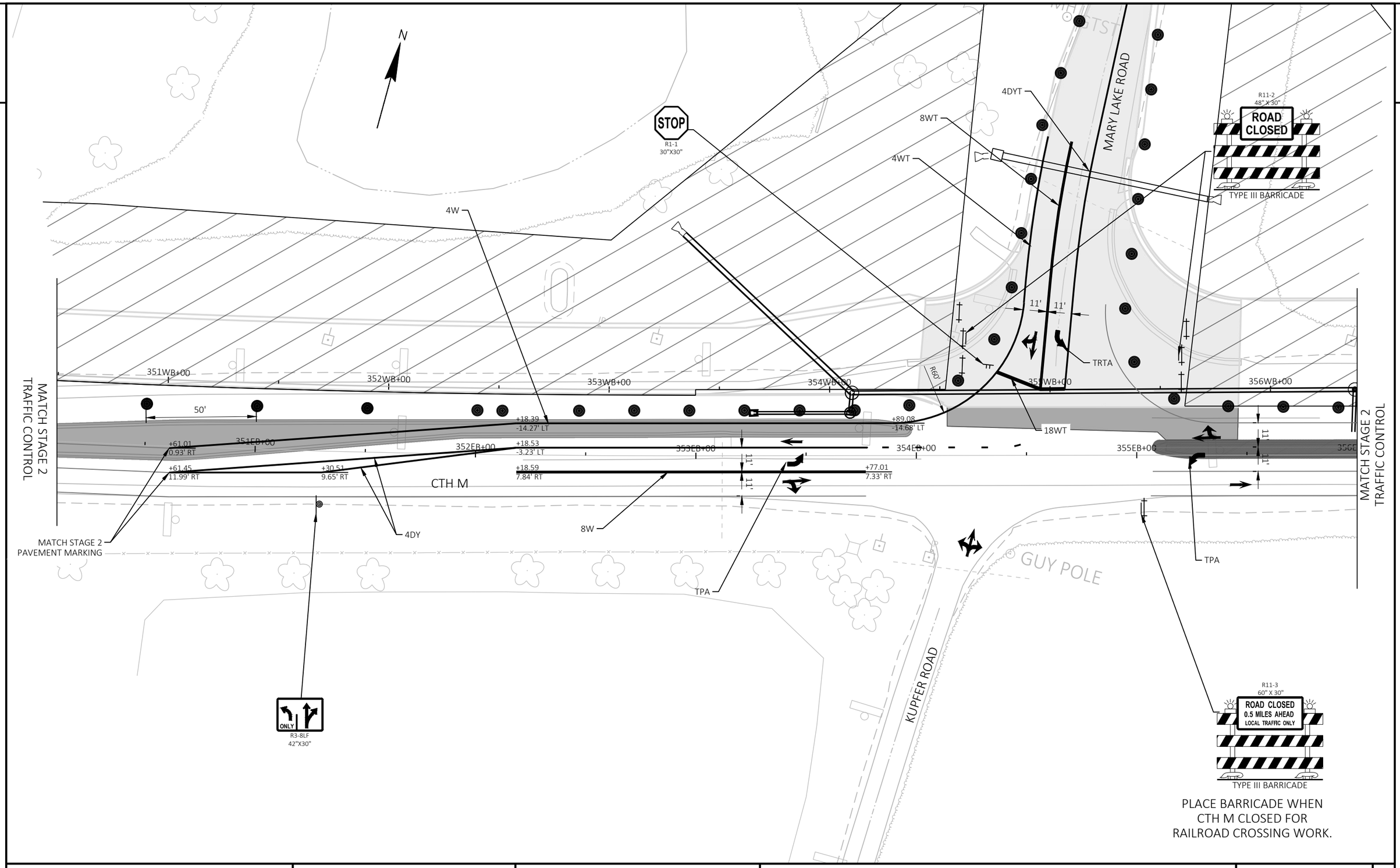
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 311	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 3.DWG
LAYOUT NAME - 11

PLOT DATE : 4/13/2023 2:28 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PLACE BARRICADE WHEN
CTH M CLOSED FOR
RAILROAD CROSSING WORK.

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 312	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 3.DWG
LAYOUT NAME - 15

PLOT DATE : 4/13/2023 2:28 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

NOTE:
CULVERT CONSTRUCTION TO TAKE PLACE DURING STAGE 3 WHEN CTH M IS CLOSED FOR RAILROAD CROSSING REPLACEMENT. SEE CONSTRUCTION DETAIL "CULVERT STAGING" FOR CONSTRUCTION STAGING.

MATCH STAGE 2 TRAFFIC CONTROL

366WB+00
367WB+00
368WB+00
369WB+00
370WB+00
366EB+00
367EB+00
368EB+00
369EB+00
370EB+00

CTH M

MATCH STAGE 2 TRAFFIC CONTROL

R3-2
24"X24"

TRAFFIC CONTROL FROM STAGE 2

GTST
GV
MH
SIGN
IP

NOTE:
TRAFFIC CONTROL FOR CTH M CLOSURE FOR RAILROAD CROSSING REPLACEMENT SHOWN. SEE STAGE 2 TRAFFIC CONTROL LAYOUT WHEN CTH M IS OPEN TO THRU TRAFFIC.

ROAD CLOSED 1000 FT
W20-3C

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 313	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 3.DWG
LAYOUT NAME - 15 (1)

PLOT DATE : 4/13/2023 2:28 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

NOTE:
TRAFFIC CONTROL FOR CTH M CLOSURE FOR RAILROAD CROSSING REPLACEMENT SHOWN. SEE STAGE 2 TRAFFIC CONTROL LAYOUT WHEN CTH M IS OPEN TO THRU TRAFFIC.

N

MATCH STAGE 2 TRAFFIC CONTROL

MATCHLINE STA 381+00

376WB+00
377WB+00
378WB+00
379WB+00
380WB+00
381WB+00

B+00
376EB+00
377EB+00
378EB+00
379EB+00
380EB+00
381

CTH M

SIGN
SIGN
MH
MWEL
MH
MWEL
MWEL
MWEL
SIGN
SIGN
IP

WILLOW ROAD EAST

ROAD CLOSED 500 FT
W20-3D

TRAFFIC CONTROL FROM STAGE 2

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 314	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 3.DWG
LAYOUT NAME - 15 (2)
PLOT DATE : 4/13/2023 2:29 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE:
TRAFFIC CONTROL FOR CTH M CLOSURE FOR RAILROAD CROSSING REPLACEMENT SHOWN. SEE STAGE 2 TRAFFIC CONTROL LAYOUT WHEN CTH M IS OPEN TO THRU TRAFFIC.

N

MH
GV
IP

MATCHLINE STA 381+00

382WB+00
383WB+00
384WB+00
385WB+00
386WB+00
387WB+00

382EB+00
383EB+00
384EB+00
385EB+00
386EB+00

CTH M

MATCHLINE STA 387+00

R11-4
60" X 30"
ROAD CLOSED
TO
THRU TRAFFIC

TYPE III BARRICADE

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 315	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 3.DWG
LAYOUT NAME - 15 (3)
PLOT DATE : 4/13/2023 2:29 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

NOTE:
TRAFFIC CONTROL FOR CTH M CLOSURE FOR RAILROAD CROSSING REPLACEMENT SHOWN. SEE STAGE 2 TRAFFIC CONTROL LAYOUT WHEN CTH M IS OPEN TO THRU TRAFFIC.

N

BLUE BILL PARK DR

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

COMPLETE PAVEMENT REPLACEMENT UNDER FLAGGING OPERATION WHEN CTH M IS CLOSED FOR RAILROAD SURFACE REPLACEMENT.

MATCHLINE STA 387+00

388WB+00
388EB+00
389WB+00
389EB+00
390WB+00
390EB+00
391WB+00
391EB+00
392WB+00
392EB+00
393WB+00

MATCHLINE STA 393+00

CTH M

COMPLETE PAVEMENT REPLACEMENT UNDER CLOSED ROADWAY DURING RAILROAD SURFACE REPLACEMENT.

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

REFER TO SDD BARRICADES AND SIGNS FOR SIDEROAD CLOSURES DETAIL 2

WESTPORT RD

MH
SIGN
MWEL
GV
SAN

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 316	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 3.DWG
LAYOUT NAME - 15 (4)
PLOT DATE : 4/13/2023 2:29 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

NOTE:
TRAFFIC CONTROL FOR CTH M CLOSURE FOR RAILROAD CROSSING REPLACEMENT SHOWN. SEE STAGE 2 TRAFFIC CONTROL LAYOUT WHEN CTH M IS OPEN TO THRU TRAFFIC.

MATCHLINE STA 393+00

394WB+00

395WB+00

396WB+00

397WB+00

398WB+00

399WB+00

MATCHLINE STA 399+00

394EB+00

395EB+00

396EB+00

397EB+00

398EB+00

CTH M

COMPLETE PAVEMENT REPLACEMENT UNDER CLOSED ROADWAY DURING RAILROAD SURFACE REPLACEMENT.

MH

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 317	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 3.DWG
LAYOUT NAME - 15 (5)

PLOT DATE : 4/13/2023 2:29 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

NOTE:
TRAFFIC CONTROL FOR CTH M CLOSURE FOR RAILROAD CROSSING REPLACEMENT SHOWN. SEE STAGE 2 TRAFFIC CONTROL LAYOUT WHEN CTH M IS OPEN TO THRU TRAFFIC.

N

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

RAILROAD SURFACE REPLACEMENT (BY OTHERS)

MATCHLINE STA 399+00

400WB+00
401WB+00
402WB+00
403WB+00
404WB+00
405WB+00

400EB+00
401EB+00
402EB+00
403EB+00
404EB+00
405EB+00

MATCHLINE STA 405+15

CTH M

EL

MH

GTST

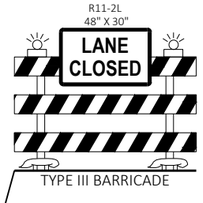
SEE OVERVIEW SHEET FOR SHARED USE PATH CLOSURE

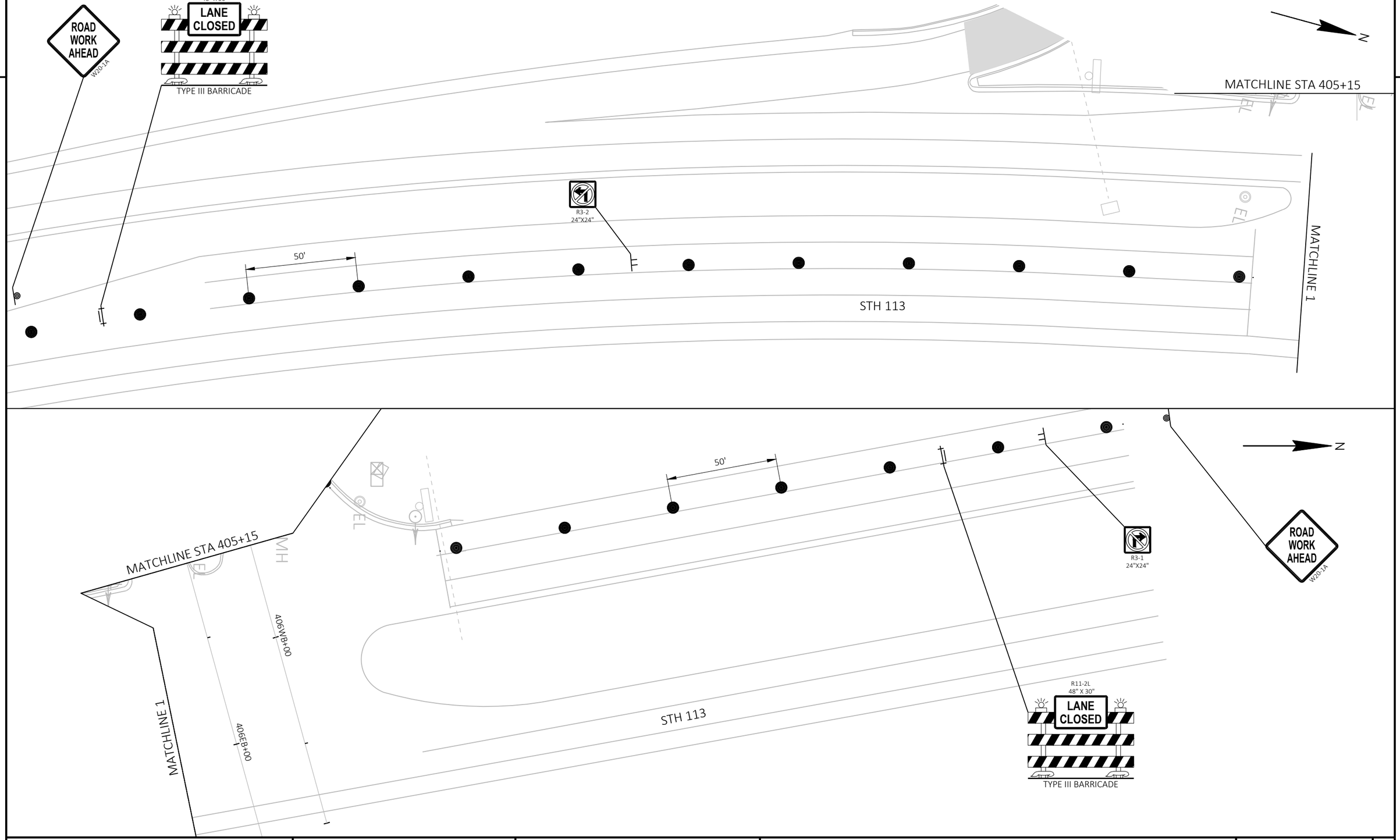
COMPLETE PAVEMENT REPLACEMENT UNDER CLOSED ROADWAY DURING RAILROAD SURFACE REPLACEMENT.

SEE OVERVIEW SHEET FOR SHARED USE PATH CLOSURE

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 318	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 3.DWG
LAYOUT NAME - 15 (6)
PLOT DATE : 4/13/2023 2:29 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42





PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3	SHEET 319	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 3.DWG
LAYOUT NAME - 15 (7)

PLOT DATE : 4/13/2023 2:30 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

M4-9L
30" X 24"
DETOUR
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R3-1
24"X24"

CTH K

310WB+00

310EB+00

11'

11'

11'

11'

25'

CTH M

4DYT

4WT

R3-2
24"X24"

ASPHALTIC SURFACE
TEMPORARY FROM STAGE 2

NORTH SHORE BAY DR.

SEE OVERVIEW SHEET FOR
SHARED USE PATH CLOSURE

PAVEMENT MARKING
FROM STAGE 3 (TYP.)

MH

GUY

POST

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 (CTH K CLOSED)	SHEET 320	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 3 (CTH K CLOSED).DWG
LAYOUT NAME - CTH K

PLOT DATE : 4/13/2023 2:34 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MAINTENANCE OF TRAFFIC

CTH M
- CTH M TO BE CLOSED AND DETOURED USING ALTERNATE ROUTE DURING STAGE 4A FROM CTH K TO ONCKEN ROAD AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS.
- CTH M TO BE OPEN DURING STAGE 4B TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES EXCEPT AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS.
- TRAFFIC WILL TRAVEL ON PROPOSED AND TEMPORARY PAVEMENT.

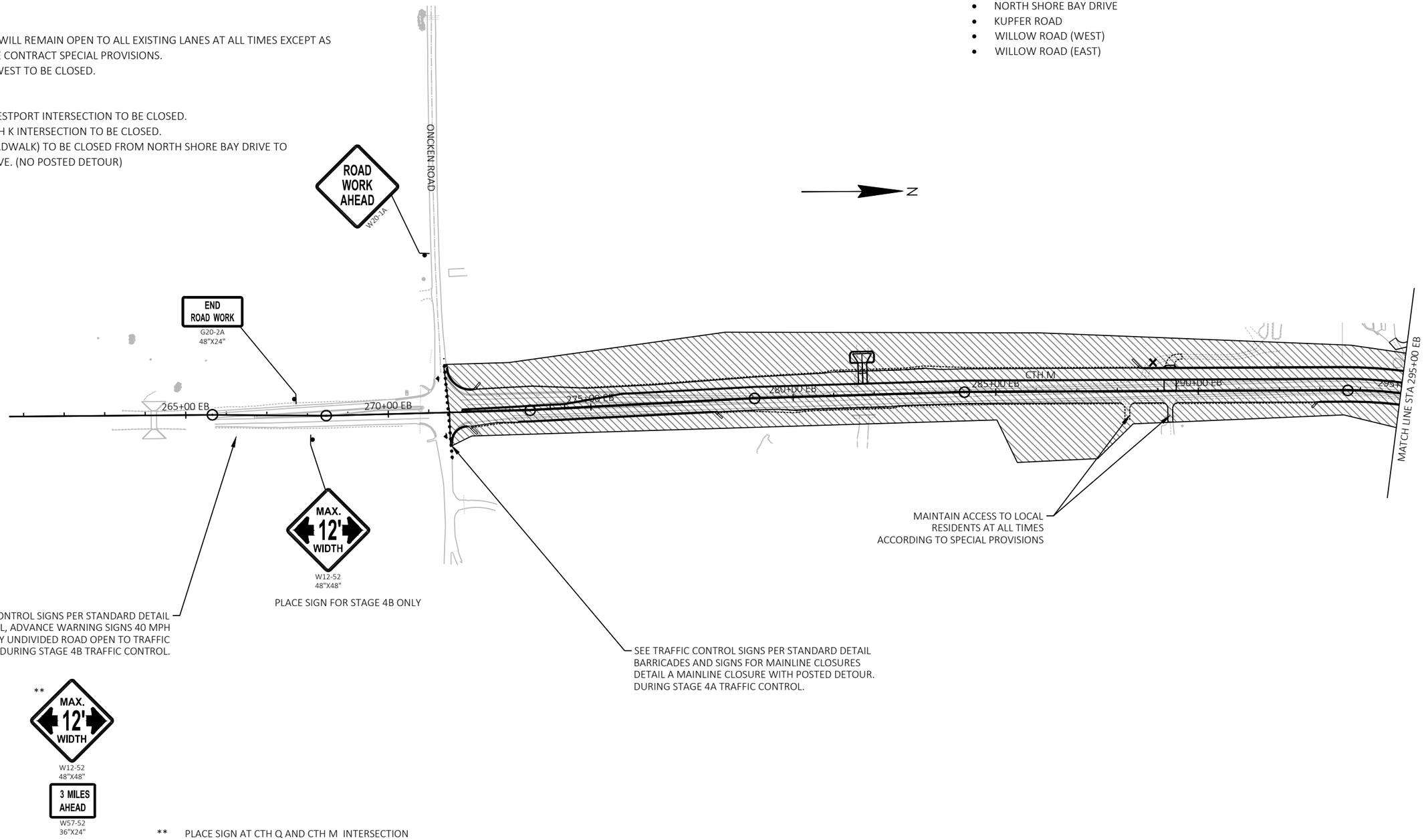
SIDE ROADS
- ALL SIDE ROADS WILL REMAIN OPEN TO ALL EXISTING LANES AT ALL TIMES EXCEPT AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS.
- WILLOW ROAD WEST TO BE CLOSED.

PEDESTRIANS
- SIDEWALK AT WESTPORT INTERSECTION TO BE CLOSED.
- SIDEWALK AT CTH K INTERSECTION TO BE CLOSED.
- BIKE PATH (BOARDWALK) TO BE CLOSED FROM NORTH SHORE BAY DRIVE TO WOODLAND DRIVE. (NO POSTED DETOUR)

STAGE 4 WORK TO BE COMPLETED

CTH M
- COMPLETE CTH M EB LANES

SIDE ROADS
- NORTH SHORE BAY DRIVE
- KUPFER ROAD
- WILLOW ROAD (WEST)
- WILLOW ROAD (EAST)



** PLACE SIGN AT CTH Q AND CTH M INTERSECTION

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 321	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 OVERVIEW.DWG
LAYOUT NAME - 01
PLOT DATE : 4/19/2023 12:47 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1:250

END ROAD WORK
G20-2A
48"X24"

SEE TRAFFIC CONTROL SIGNS PER STANDARD DETAIL
TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH
OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

CTH K

SHILLING LANE

R3-1
24"X24"

TEMPORARY SIGNAL

SEE TRAFFIC CONTROL SIGNS PER STANDARD DETAIL
BARRICADES AND SIGNS FOR MAINLINE CLOSURES
DETAIL B MAINLINE CLOSURE WITH POSTED DETOUR.
DURING STAGE 4A TRAFFIC CONTROL.

CTH M TO REOPEN DURING STAGE 4B TRAFFIC CONTROL.

CTH M

SIDEWALK CLOSED
R9-9
24"X12"
TEMPORARY PEDESTRIAN
BARRICADE TO REMAIN

R3-2
24"X24"

SORNER COURT

MANSFIELD ROAD

SIDEWALK CLOSED
R9-9
24"X12"
TEMPORARY PEDESTRIAN
BARRICADE TO REMAIN

MAINTAIN TRAFFIC ON MANSFIELD ROAD
AS REQUIRED IN THE CONTRACT SPECIAL PROVISIONS.

MATCH LINE STA 295+00 EB

SIDEWALK CLOSED
R9-9
24"X12"
INSTALL TEMPORARY PEDESTRIAN
BARRICADE BEHIND SIGN ACCORDING
TO SDD TRAFFIC CONTROL, PEDESTRIAN
ACCOMMODATION

NORTH SHORE BAY DRIVE

ROAD WORK AHEAD
W20-1A

BIKE PATH CLOSED AHEAD
PLACE SIGN AT ENTRANCE
OF TRAIL TO NORTH SHORE BAY

N

BIKE PATH CLOSED AHEAD
PLACE SIGN AT INTERSECTION
OF MARY LAKE ROAD

END ROAD WORK
G20-2A
48"X24"

SEE TRAFFIC CONTROL SIGNS PER STANDARD DETAIL
TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH
OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

WOODLAND DRIVE

TEMPORARY SIGNAL

TEMPORARY PEDESTRIAN
BARRICADE TO REMAIN

SIDEWALK CLOSED
R9-9
24"X12"

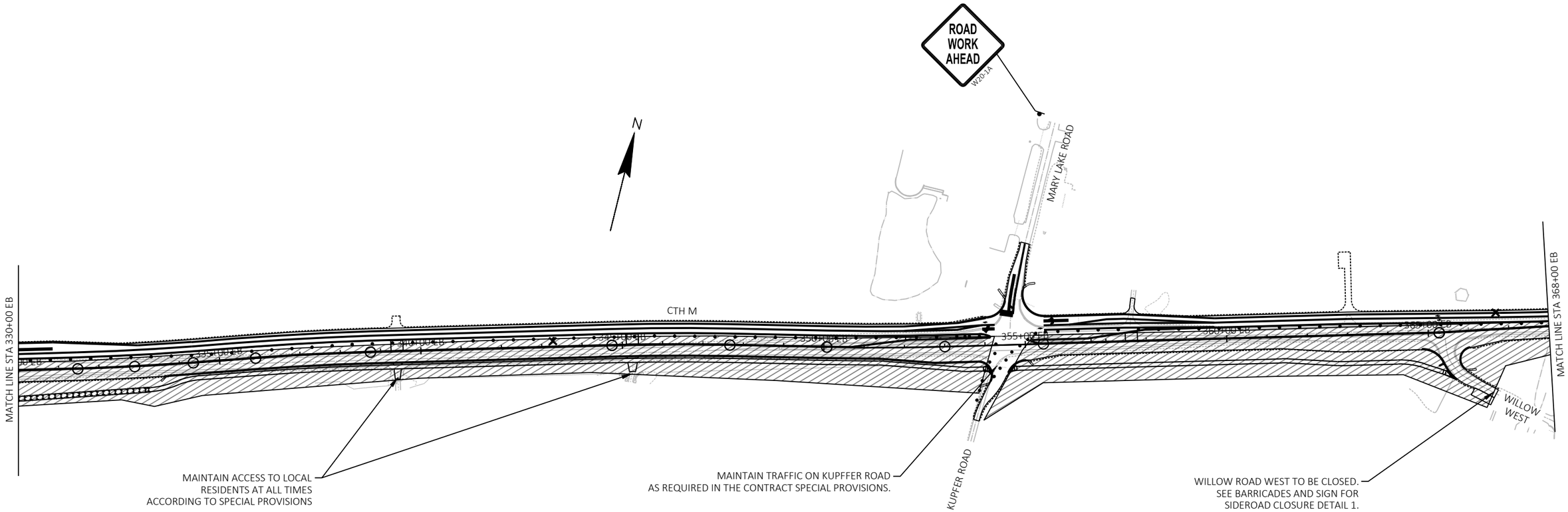
MATCH LINE STA 330+00 EB

2

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 322	E

2

2



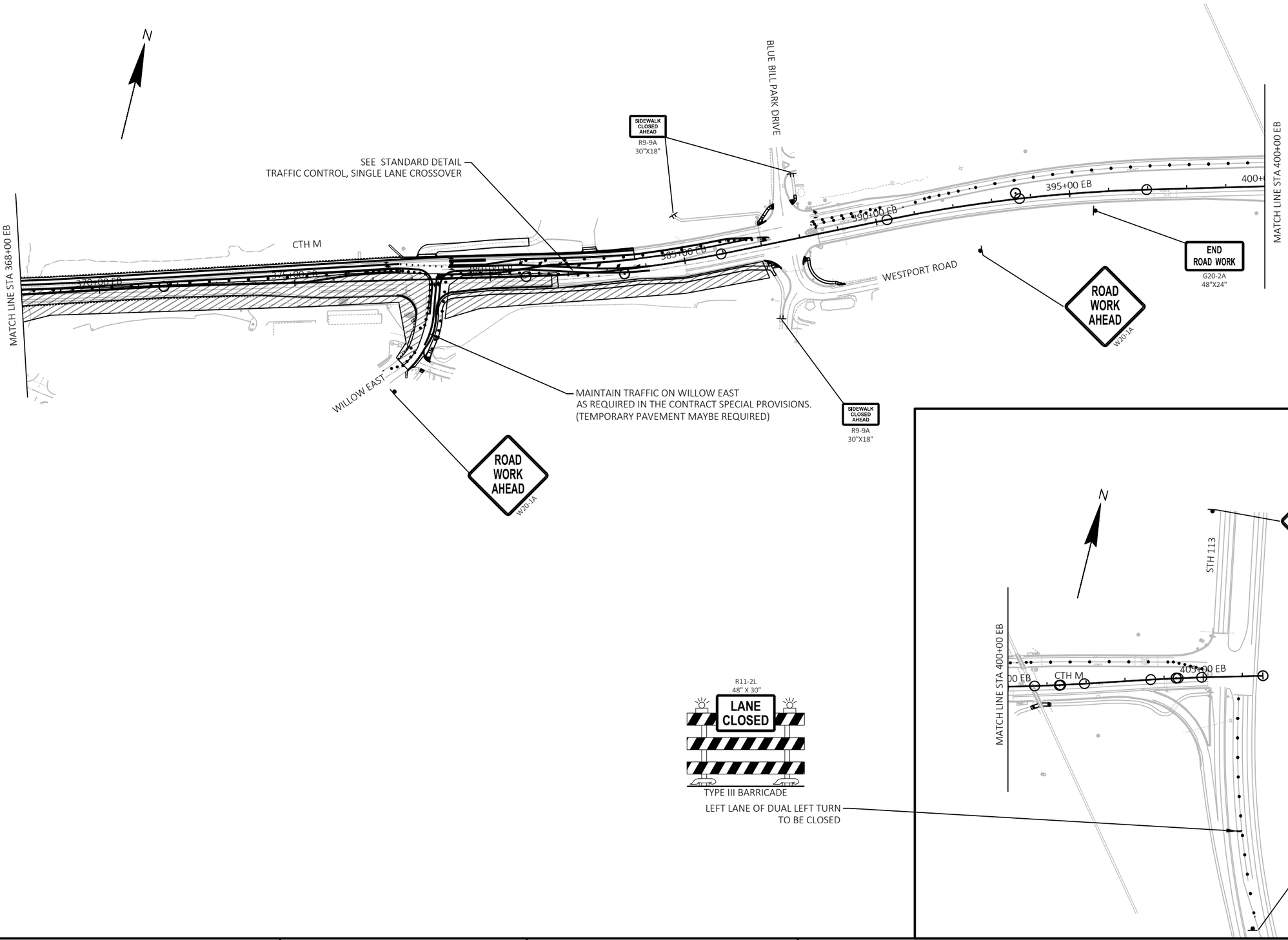
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 323	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 OVERVIEW.DWG
LAYOUT NAME - 01

PLOT DATE : 4/19/2023 12:47 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1:250

WISDOT/CADDS SHEET 44

2



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4	SHEET 324	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 OVERVIEW.DWG
LAYOUT NAME - 01

PLOT DATE : 4/19/2023 12:47 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : #####

WISDOT/CADDS SHEET 44

2

2

NOTE:
STATION AND OFFSET
LABELS FOR STAGE 4
REFERENCED FROM
CTH M WB ALIGNMENT

N

ONCKEN ROAD

GUY

CTH M WB

CTH M EB

268EB+00

269WB+00

269EB+00

270WB+00

270EB+00

271WB+00

271EB+00

272WB+00

272EB+00

273WB+00

273EB+00

274W

274E

MATCHLINE STA. 274+00EB

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE

SIGN

SIGN

GUY

STOP
R1-1
30"X30"

GOVERNOR NELSON
STATE PARK ENTRANCE

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 325	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M CLOSED).DWG
LAYOUT NAME - 01

PLOT DATE : 4/13/2023 2:59 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCHLINE STA. 274+00EB

MATCHLINE STA. 280+00EB

CTH M WB

CTH M EB

B+00

275WB+00

276WB+00

277WB+00

278WB+00

279WB+00

280W

B+00

275EB+00

276EB+00

277EB+00

278EB+00

279EB+00

280E

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 326	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M CLOSED).DWG
LAYOUT NAME - 02

PLOT DATE : 4/13/2023 2:59 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCHLINE STA. 280+00EB

MATCHLINE STA. 286+00EB

CTH M WB

CTH M EB

281WB+00

282WB+00

283WB+00

284WB+00

285WB+00

281EB+00

282EB+00

283EB+00

284EB+00

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 327	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M CLOSED).DWG
LAYOUT NAME - 03

PLOT DATE : 4/13/2023 2:59 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

MAINTAIN ACCESS TO LOCAL RESIDENTS AT ALL TIMES ACCORDING TO SPECIAL PROVISIONS

N

MATCHLINE STA. 286+00EB

MATCHLINE STA. 292+00EB

CTH M WB

CTH M EB

287WB+00

288WB+00

289WB+00

290WB+00

291WB+00

287EB+00

288EB+00

289EB+00

290EB+00

291EB+00

GUY

GUY

MAINTAIN ACCESS TO LOCAL RESIDENTS AT ALL TIMES ACCORDING TO SPECIAL PROVISIONS

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 328	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M CLOSED).DWG
LAYOUT NAME - 04

PLOT DATE : 4/13/2023 2:59 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCHLINE STA. 292+00EB

CTH M WB

CTH M EB

293WB+00

294WB+00

295WB+00

296WB+00

297WB+00

298WB+00

293EB+00

294EB+00

295EB+00

296EB+00

297EB+00

MATCHLINE STA. 298+00EB

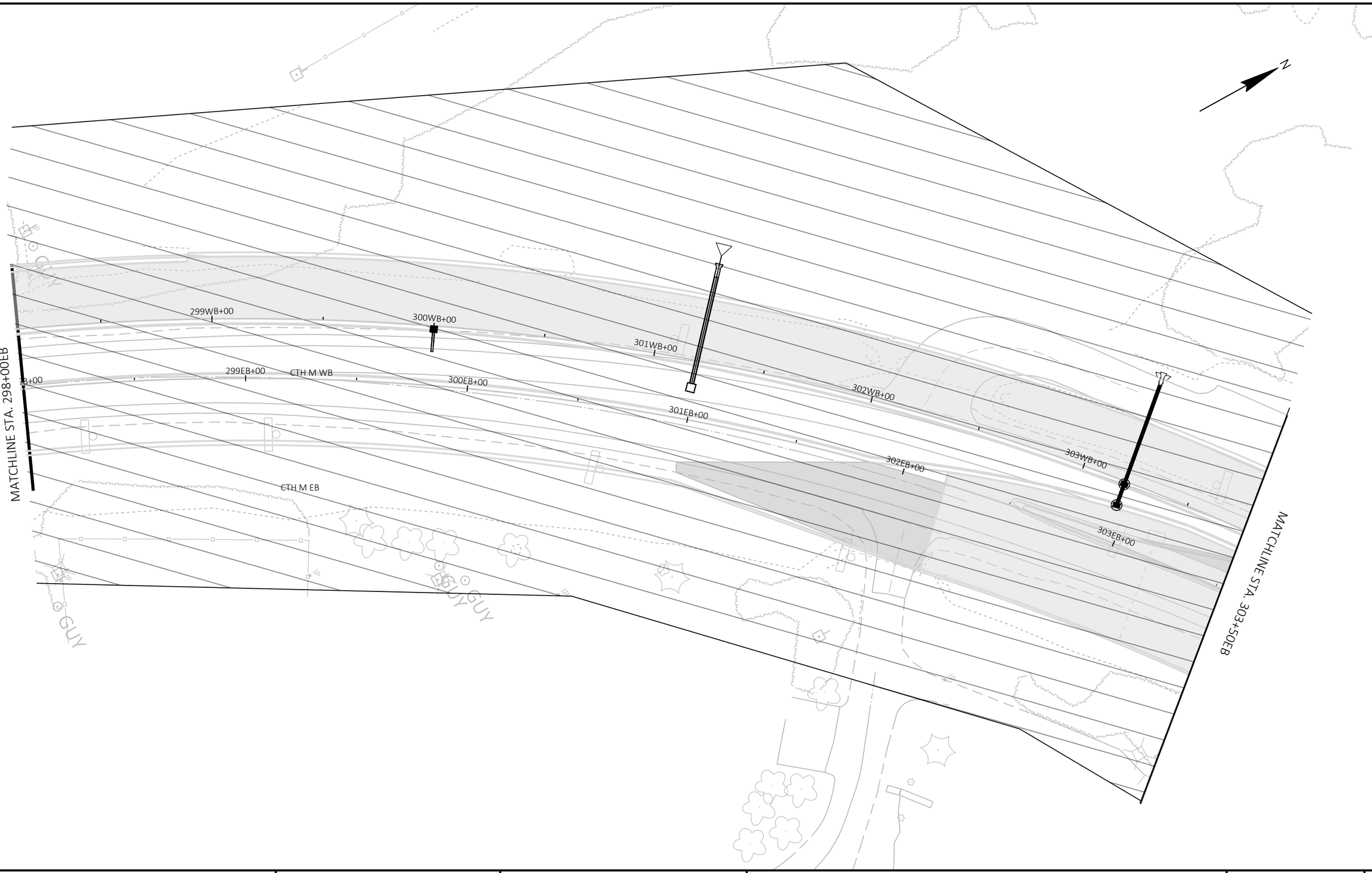
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 329	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M CLOSED).DWG
LAYOUT NAME - 05

PLOT DATE : 4/13/2023 3:00 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 330	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M CLOSED).DWG
LAYOUT NAME - 06

PLOT DATE : 4/13/2023 3:00 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

NOTE: PLACE PERMANENT PAVEMENT MARKING ON CTH K AND NORTH SHORE BAY DRIVE (SEE MARKING PLAN)

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

N

NOTE:
STATION AND OFFSET LABELS FOR STAGE 4 REFERENCED FROM CTH M WB ALIGNMENT

CTH K
CTH M WB
CTH M EB
NORTH SHORE BAY DR.
MATCHLINE STA. 303+50EB
MATCHLINE STA. 308+00EB
MH
11'
11'
15'
11'
R66'
R50'
4YST
4WT
4DYT
4YT
18WT
8WT
TRTA
8WST
4WT
97.84
-16.03' LT
+88.12
-27.27' LT
+20.65
-1.03' LT
+65.05
-0.[illegible] LT
304WB+00
304EB+00
305WB+00
305EB+00
306WB+00
306EB+00
307WB+00
307EB+00
308WB+00
308EB+00

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

SEE OVERVIEW SHEET FOR SHARED USE PATH CLOSURE

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 331	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M CLOSED).DWG
LAYOUT NAME - 07
PLOT DATE : 4/13/2023 3:00 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

2

N

R3-8LR
36"X30"

4DYT

4WT

CTH M

11'

11'

+77.72
-26.62' LT

+79.11
-15.70' LT

+69.24
-38.00' LT

+68.83
-27.00' LT

+68.42
-16.01' LT

+50.47
-27.87' LT

+50.12
-16.87' LT

+49.77
-5.87' LT

309WB+00

310WB+00

311WB+00

312WB+00

313WB+00

314WB+00

309EB+00

310EB+00

311EB+00

312EB+00

313EB+00

314E

CC

W5-52R
12"X36"

MATCHLINE STA. 308+00EB

MATCHLINE STA. 314+00EB

GUY

POST

IP

SIGN

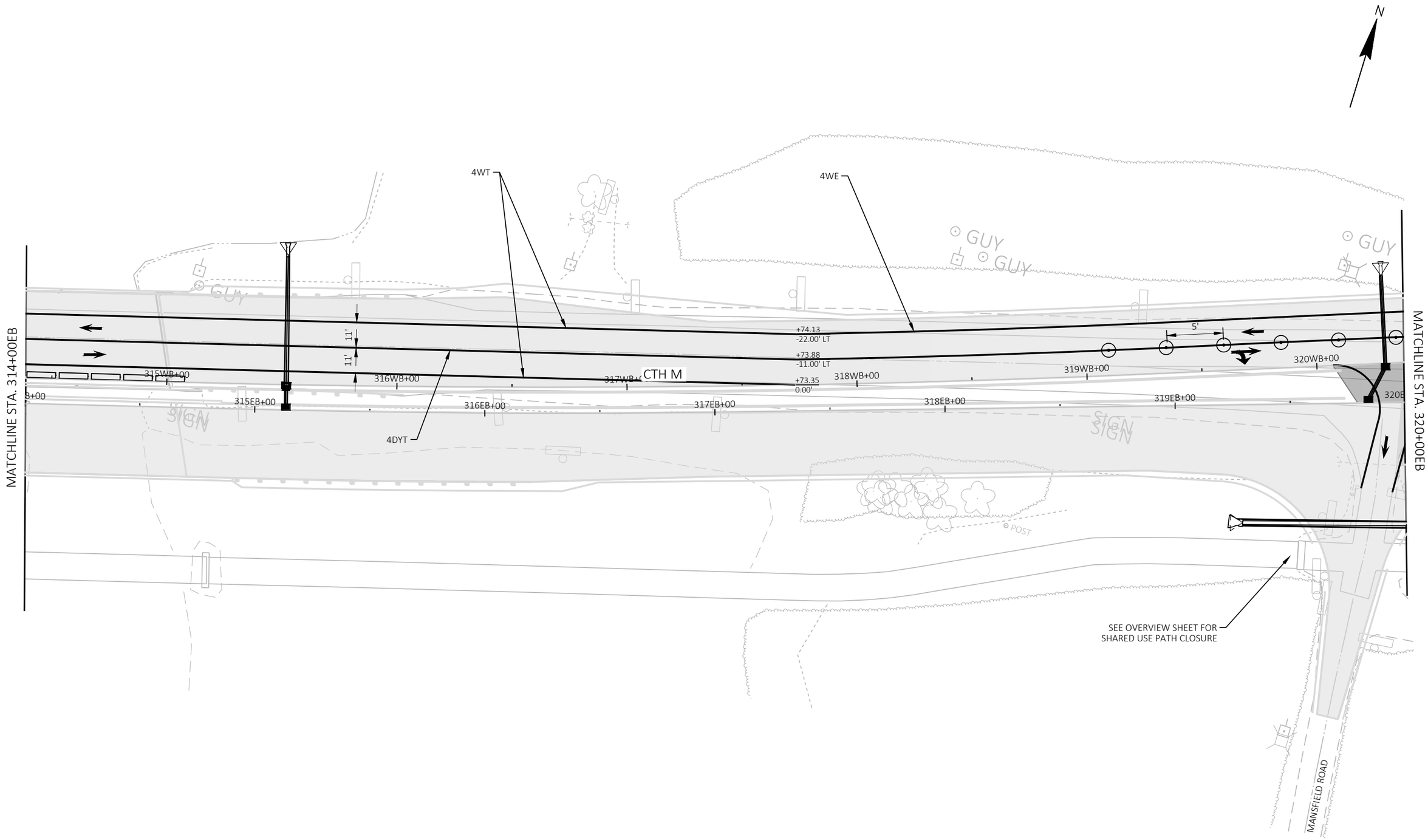
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 332	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M CLOSED).DWG
LAYOUT NAME - 08

PLOT DATE : 4/13/2023 3:00 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 333	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M CLOSED).DWG
LAYOUT NAME - 09

PLOT DATE : 4/13/2023 3:01 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

R3-2
24"X24"

FINAL EPOXY
EDGELINE (TYP.)

4DYT

CTH M

11'

11'

+32.81
-11.02' LT

+41.21
-11.05' LT

+28.79
-22.02

+27.47
-10.90

50'

321WB+00

322WB+00

323WB+00

324WB+00

325WB+00

326WB+00

321EB+00

322EB+00

323EB+00

324EB+00

325EB+00

326E

MATCHLINE STA. 320+00EB

MATCHLINE STA. 326+00EB

STOP
R1-1
30"X30"

R3-2
24"X24"

ONLY ONLY
R3-8xx
36"X30"

SEE OVERVIEW SHEET FOR
SHARED USE PATH CLOSURE

SIGN

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 334	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M CLOSED).DWG
LAYOUT NAME - 10

PLOT DATE : 4/13/2023 3:01 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

WOODLAND DRIVE

SEE OVERVIEW SHEET FOR SHARED USE PATH CLOSURE

PLACE PERMANENT PAVEMENT MARKING ON WOODLAND DRIVE (SEE MARKING PLAN)

TRTA

4WE

8WE

4DYT

4YST

18WT

8WT

+31.43
21.97' LT

48.74
22.00' LT

48.05
-11.00' LT

+26.93
-37.37' LT

+25.74
-21.37' LT

11'

16'

CTH M

50'

GUY POLE GUY

MATCHLINE STA. 326+00EB

MATCHLINE STA. 332+00EB

327WB+00
328WB+00
329WB+00
330WB+00
331WB+00
332WB+00

327EB+00
328EB+00
329EB+00
330EB+00
331EB+00

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

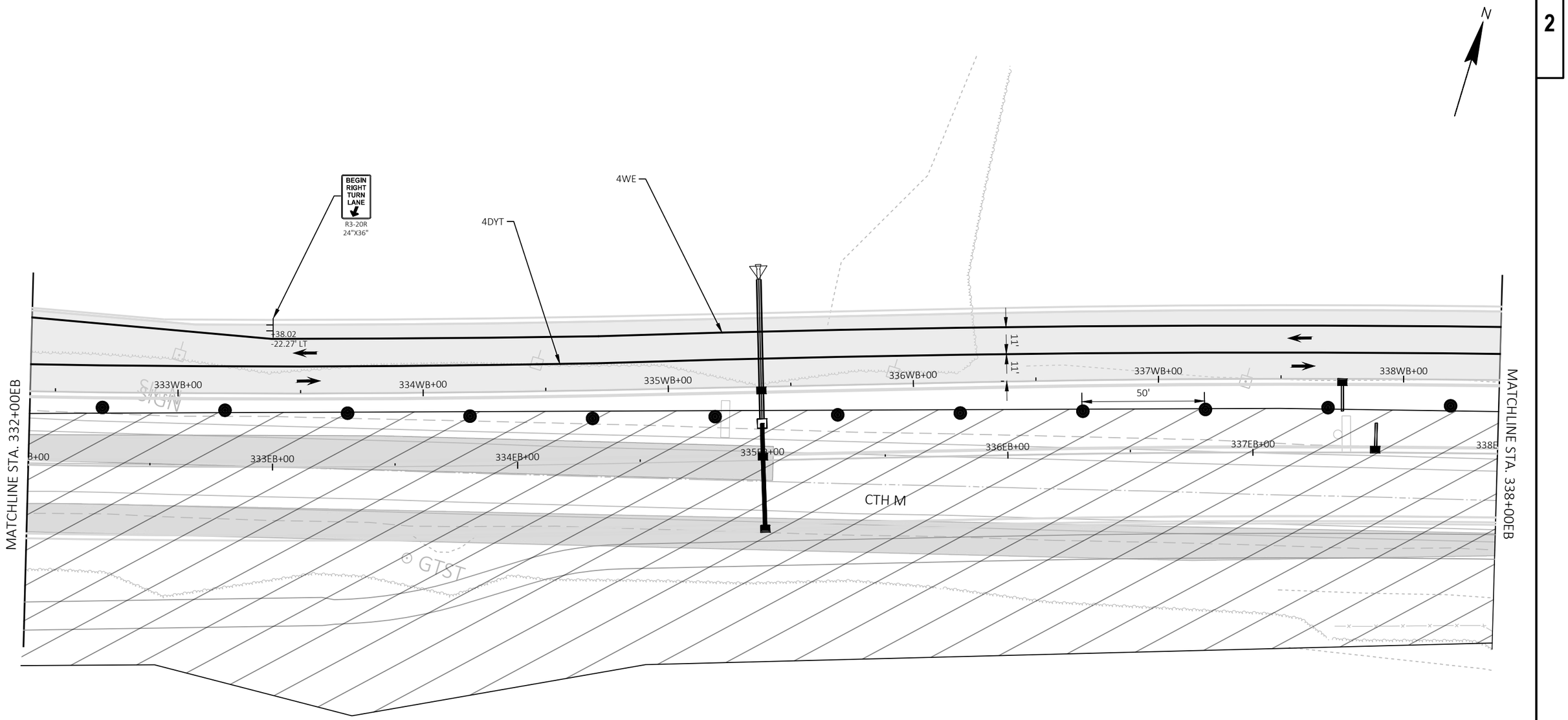
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 335	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M CLOSED).DWG
LAYOUT NAME - 11

PLOT DATE : 4/13/2023 3:01 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 336	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M CLOSED).DWG
LAYOUT NAME - 12

PLOT DATE : 4/13/2023 3:01 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

4DYT

4WE

CTH M

11'

11'

MATCHLINE STA. 338+00EB

339WB+00

340WB+00

341WB+00

342WB+00

343WB+00

344WB+00

MATCHLINE STA. 344+00EB

50'

338+00

339EB+00

340EB+00

341EB+00

342EB+00

343EB+00

344E

MAINTAIN ACCESS

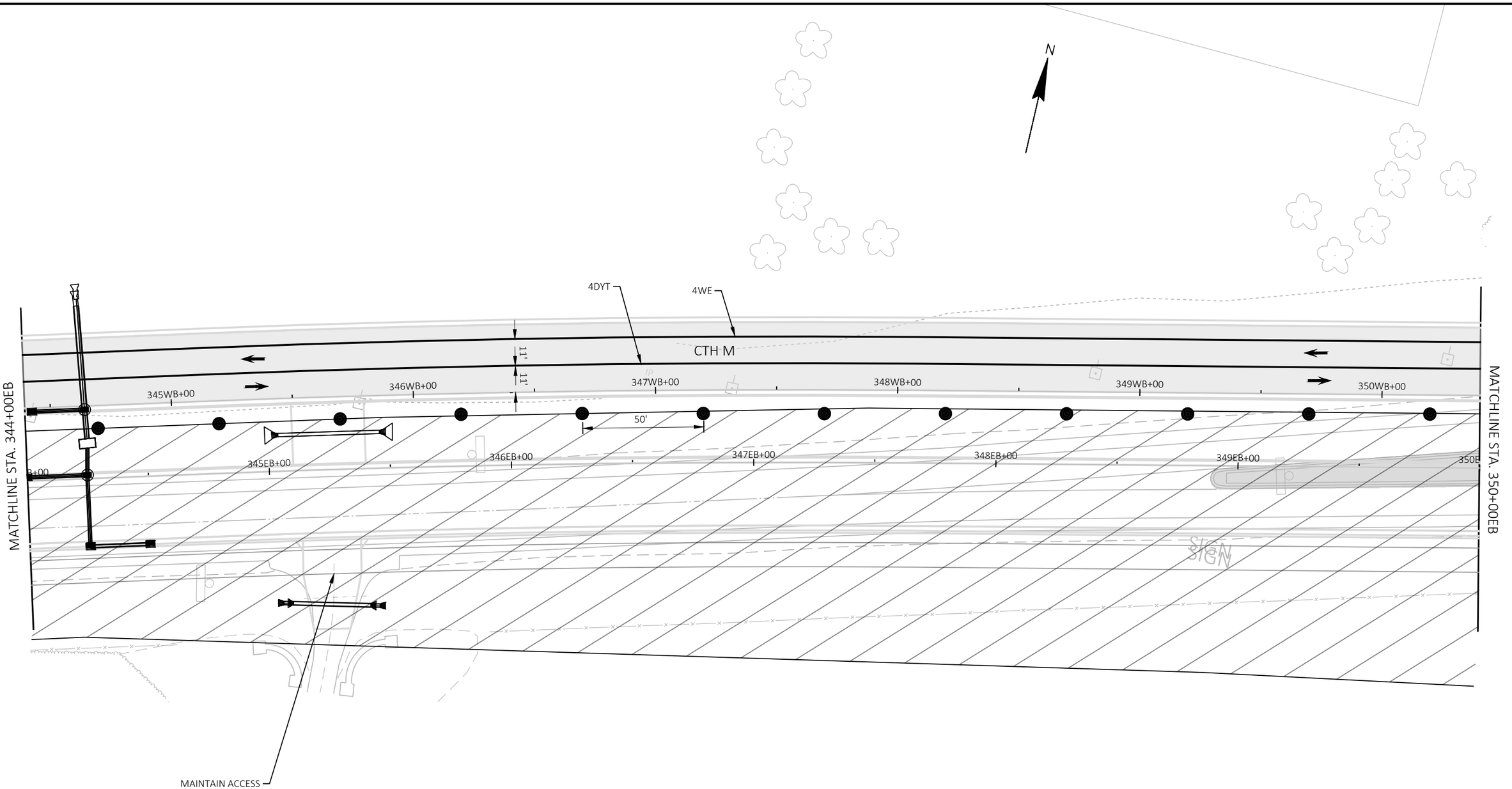
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 337	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M CLOSED).DWG
LAYOUT NAME - 13

PLOT DATE : 4/13/2023 3:02 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 338	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M CLOSED).DWG
LAYOUT NAME - 14

PLOT DATE : 4/13/2023 3:02 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

NOTE: PLACE PERMANENT PAVEMENT MARKING ON MARY LAKE ROAD. (SEE MARKING PLAN)

N

MARY LAKE ROAD

STOP
R1-1
30"X30"

4WT
4DYT
4WE
8WE
8WT

CTH M

MATCHLINE STA. 350+00EB

351WB+00
352WB+00
353WB+00
354WB+00
355WB+00
356WB+00
351EB+00
352EB+00
353EB+00
354EB+00
355EB+00

11'
11'
50'

+39.48
-11.02' LT
+70.76
-11.00' LT
+33.36
-21.01' LT
+33.37
-11.01' LT
+64.48
-21.01' LT
+64.16
-11.01' LT
+86.44
-27.00' LT
+86.12
-16.00' LT
+86.76
-5.00' LT

10'
11'

MATCHLINE STA. 356+00EB

STOP
R1-1
30"X30"

KUPFER ROAD

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

ONLY
R3-8xx
42"X30"

MAINTAIN ACCESS

2

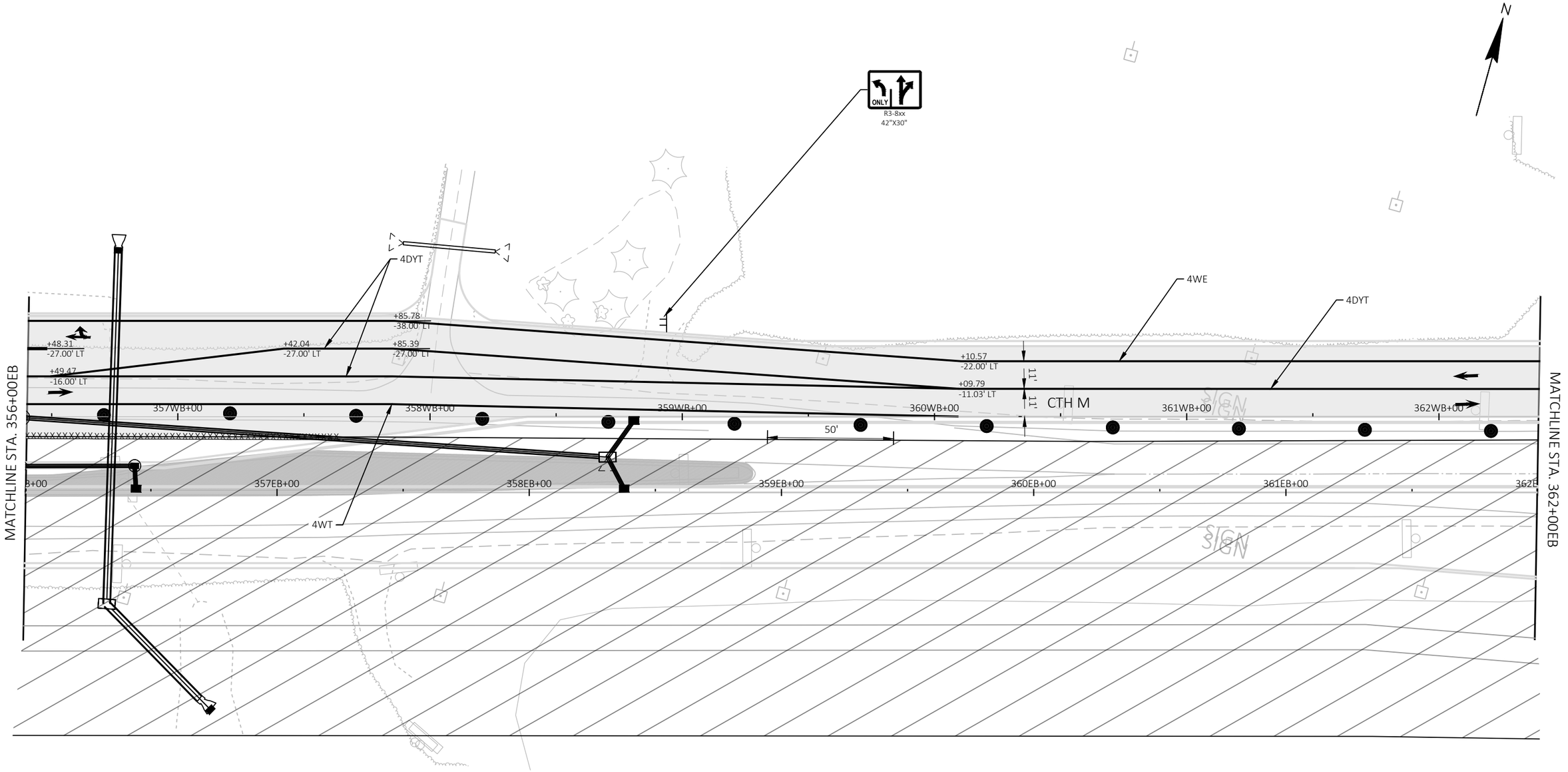
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 339	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M CLOSED).DWG
LAYOUT NAME - 15

PLOT DATE : 4/13/2023 3:02 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 340	E

2

2

N

MATCHLINE STA. 362+00EB

MATCHLINE STA. 368+00EB

CTH M

4WE

4DYT

11'

11'

50'

363WB+00

364WB+00

365WB+00

366WB+00

367WB+00

368WB+00

363EB+00

364EB+00

365EB+00

366EB+00

367EB+00

GUY

GTST

GV

SIGN

MH

WILLOW ROAD (WEST)

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE

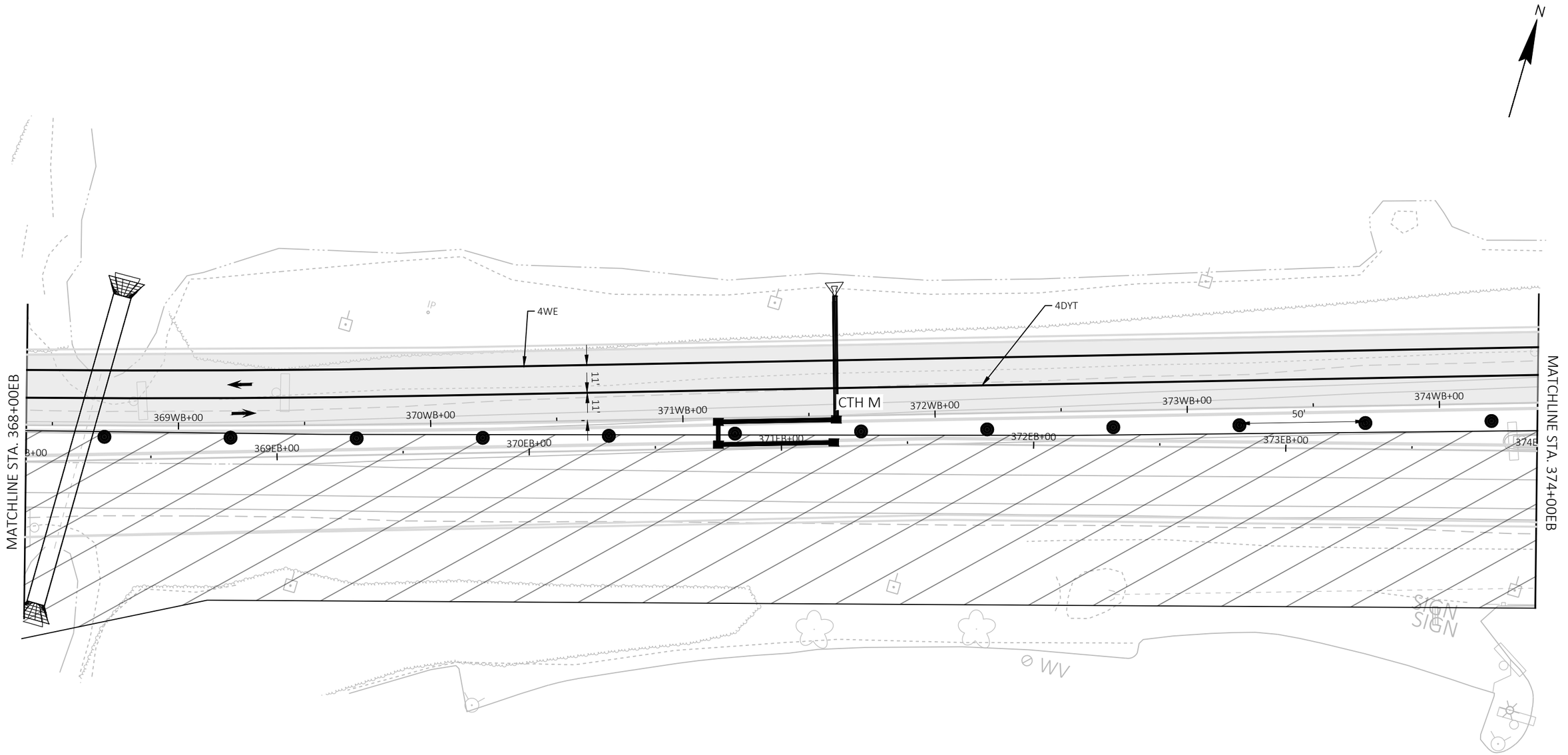
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 341	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M CLOSED).DWG
LAYOUT NAME - 17

PLOT DATE : 4/13/2023 3:03 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

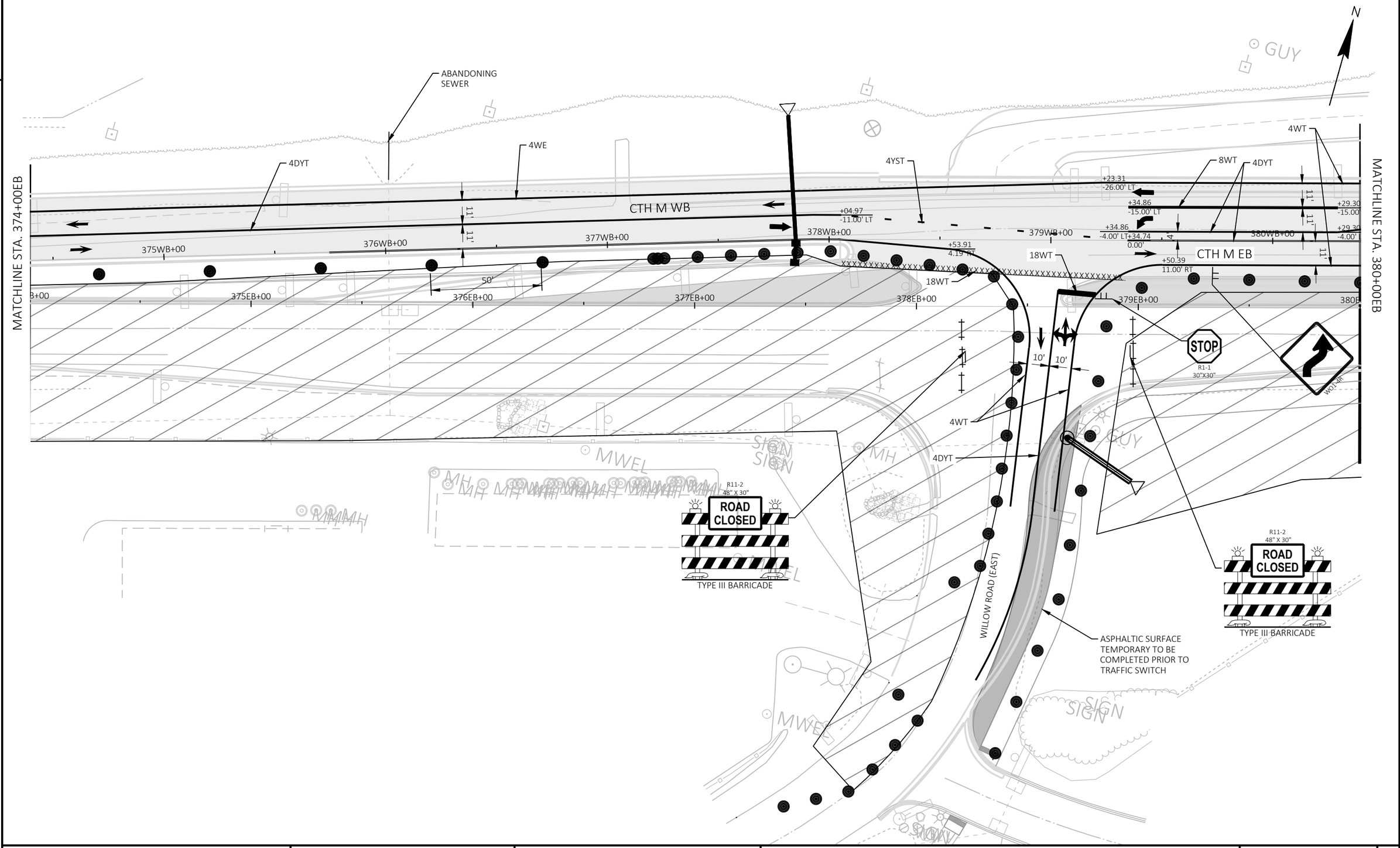


NOTE:
CULVERT CONSTRUCTION TO TAKE PLACE DURING STAGE 3 WHEN CTH M IS CLOSED FOR RAILROAD CROSSING REPLACEMENT. SEE CONSTRUCTION DETAILS "CULVERT STAGING" FOR DETAILS.

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 342	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M CLOSED).DWG
LAYOUT NAME - 18
PLOT DATE : 4/13/2023 3:03 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

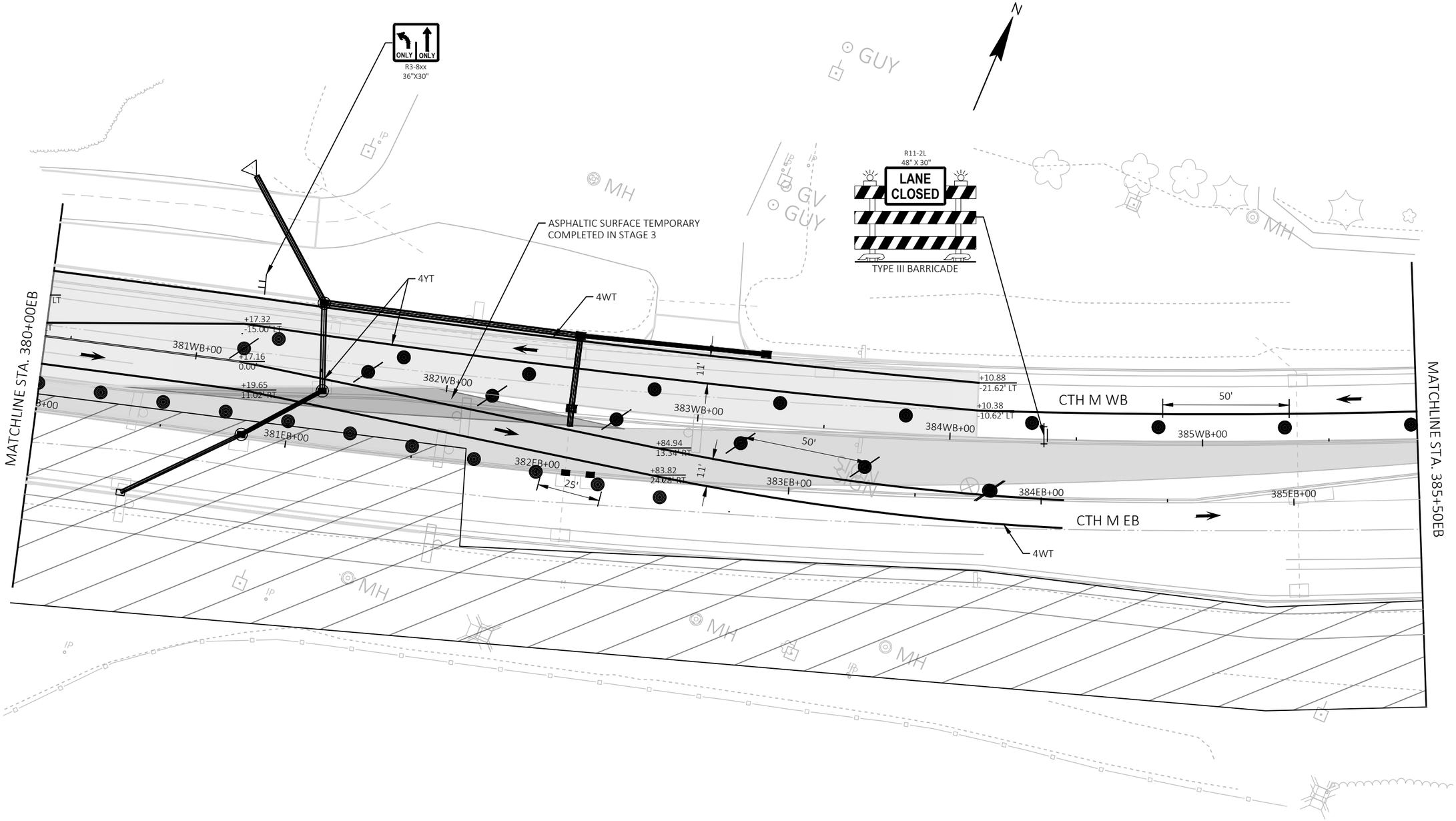


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 343	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M CLOSED).DWG
LAYOUT NAME - 19

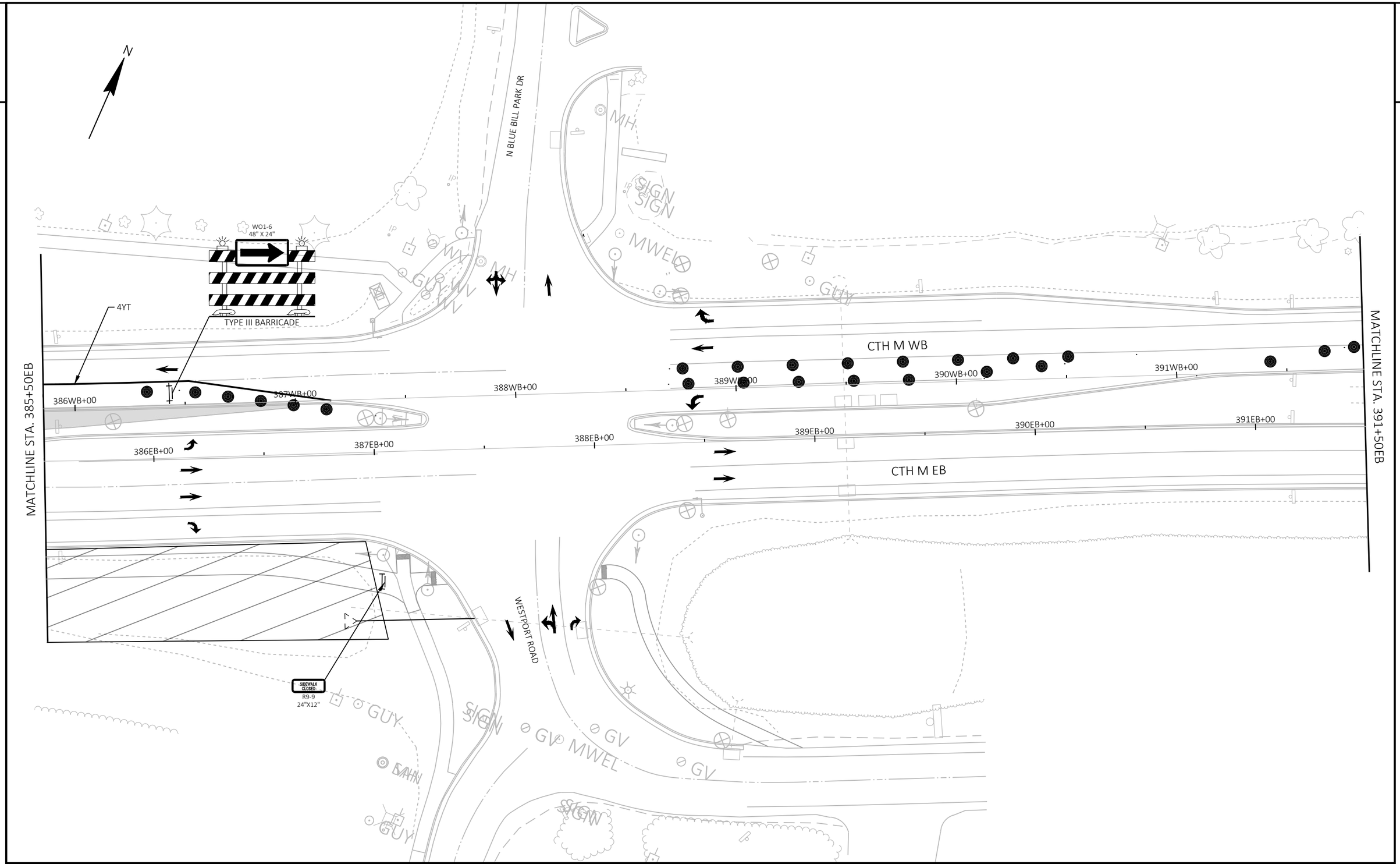
PLOT DATE : 4/13/2023 3:03 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 344	E

2



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 345	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M CLOSED).DWG
LAYOUT NAME - 21

PLOT DATE : 4/13/2023 3:03 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

CTH M WB

392WB+00
393WB+00
394WB+00
395WB+00
396WB+00
397WB+00

25'
50'

SIGN

MATCHLINE STA. 391+50EB

MATCHLINE STA. 397+00EB

CTH M EB

392EB+00
393EB+00
394EB+00
395EB+00
396EB+00
397E

BEGIN LEFT TURN LANE

R3-20L
24"X36"

R11-2L
48" X 30"

LANE CLOSED

TYPE III BARRICADE

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 346	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M CLOSED).DWG
LAYOUT NAME - 22

PLOT DATE : 4/13/2023 3:04 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

CTH M WB

398WB+00

399WB+00

400WB+00

401WB+00

50'

402WB+00

403WB+00

MATCHLINE STA.397+00EB

398EB+00

399EB+00

400EB+00

401EB+00

402EB+00

403EB+00

CTH M EB

RAILROAD CROSSING

MH

GUY

GTST

GUY

GUY

MH

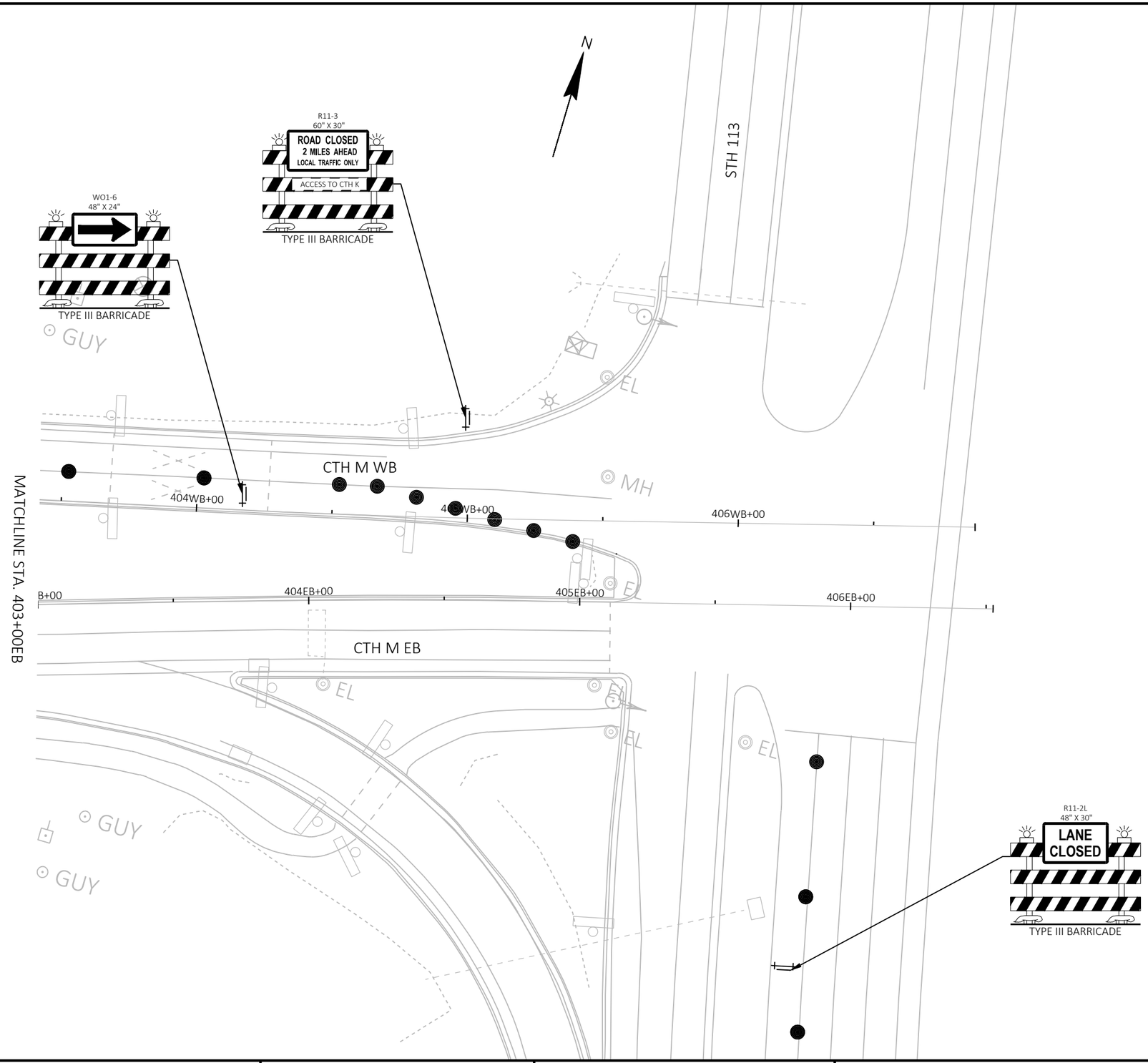
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 347	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M CLOSED).DWG
LAYOUT NAME - 23

PLOT DATE : 4/13/2023 3:04 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4A (CTH M CLOSED)	SHEET 348	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M CLOSED).DWG
LAYOUT NAME - 24

PLOT DATE : 4/13/2023 3:04 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

ONCKEN ROAD

PLACE PERMANENT PAVEMENT MARKING
(SEE MARKING PLAN)

268EB+00
269WB+00
269EB+00
270WB+00
270EB+00
271WB+00
271EB+00
272WB+00
272EB+00
273WB+00
273EB+00
274W
274+00EB

CTH M WB
CTH M EB

MATCHLINE STA. 274+00EB

GUY

SIGN

SIGN

GOVERNOR NELSON
STATE PARK ENTRANCE

R11-2L
48" X 30"
LANE
CLOSED
TYPE III BARRICADE

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4B	SHEET 349	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M OPEN).DWG
LAYOUT NAME - 01

PLOT DATE : 4/13/2023 3:18 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

PLACE PERMANENT PAVEMENT MARKING
(SEE MARKING PLAN)

MATCHLINE STA. 274+00EB

MATCHLINE STA. 280+00EB

CTH M WB

CTH M EB

275WB+00

276WB+00

278WB+00

279WB+00

280W

275EB+00

276EB+00

277EB+00

278EB+00

279EB+00

280E

11'

50'

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4B	SHEET 350	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M OPEN).DWG
LAYOUT NAME - 2

PLOT DATE : 4/13/2023 3:18 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

PLACE PERMANENT PAVEMENT MARKING
(SEE MARKING PLAN)

CTH M WB

CTH M EB

11'

50'

MATCHLINE STA. 280+00EB

MATCHLINE STA. 286+00EB

281WB+00 282WB+00 283WB+00 284WB+00 285WB+00

281EB+00 282EB+00 283EB+00 284EB+00 285EB+00

SIGNAL

GTST

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4B	SHEET 351	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M OPEN).DWG
LAYOUT NAME - 3

PLOT DATE : 4/13/2023 3:18 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

PLACE PERMANENT PAVEMENT MARKING
(SEE MARKING PLAN)

MATCHLINE STA. 286+00EB

MATCHLINE STA. 292+00EB

CTH M WB

CTH M EB

11'

11'

50'

287WB+00

288WB+00

289WB+00

290WB+00

291WB+00

287EB+00

288EB+00

289EB+00

290EB+00

291EB+00

GUY

GUY

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4B	SHEET 352	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M OPEN).DWG
LAYOUT NAME - 4

PLOT DATE : 4/13/2023 3:18 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

PLACE PERMANENT PAVEMENT MARKING (SEE MARKING PLAN)

N

MATCHLINE STA. 292+00EB

CTH M WB

CTH M EB

11'

11'

50'

293WB+00

294WB+00

295WB+00

296WB+00

297WB+00

298WB+00

293EB+00

294EB+00

295EB+00

296EB+00

297EB+00

298E

MATCHLINE STA. 310+00EB

GUY

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4B	SHEET 353	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M OPEN).DWG
LAYOUT NAME - 5

PLOT DATE : 4/13/2023 3:19 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

PLACE PERMANENT PAVEMENT MARKING
(SEE MARKING PLAN)

CTH M WB

CTH M EB

50'

299WB+00

300WB+00

301WB+00

302WB+00

303WB+00

304WB+00

299EB+00

300EB+00

301EB+00

302EB+00

303EB+00

304EB+00

+84.42
0.00'

+84.38
11.00' RT

+59.88
-1.06' LT

+59.44
9.95' RT

11'

11'

4WT

4YT

MATCHLINE STA. 298+00EB

MATCHLINE STA. 304+00EB

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R3-8LAR
54"X30"
ONLY ONLY ONLY

GUY

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4B	SHEET 354	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M OPEN).DWG
LAYOUT NAME - 6

PLOT DATE : 4/13/2023 3:19 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

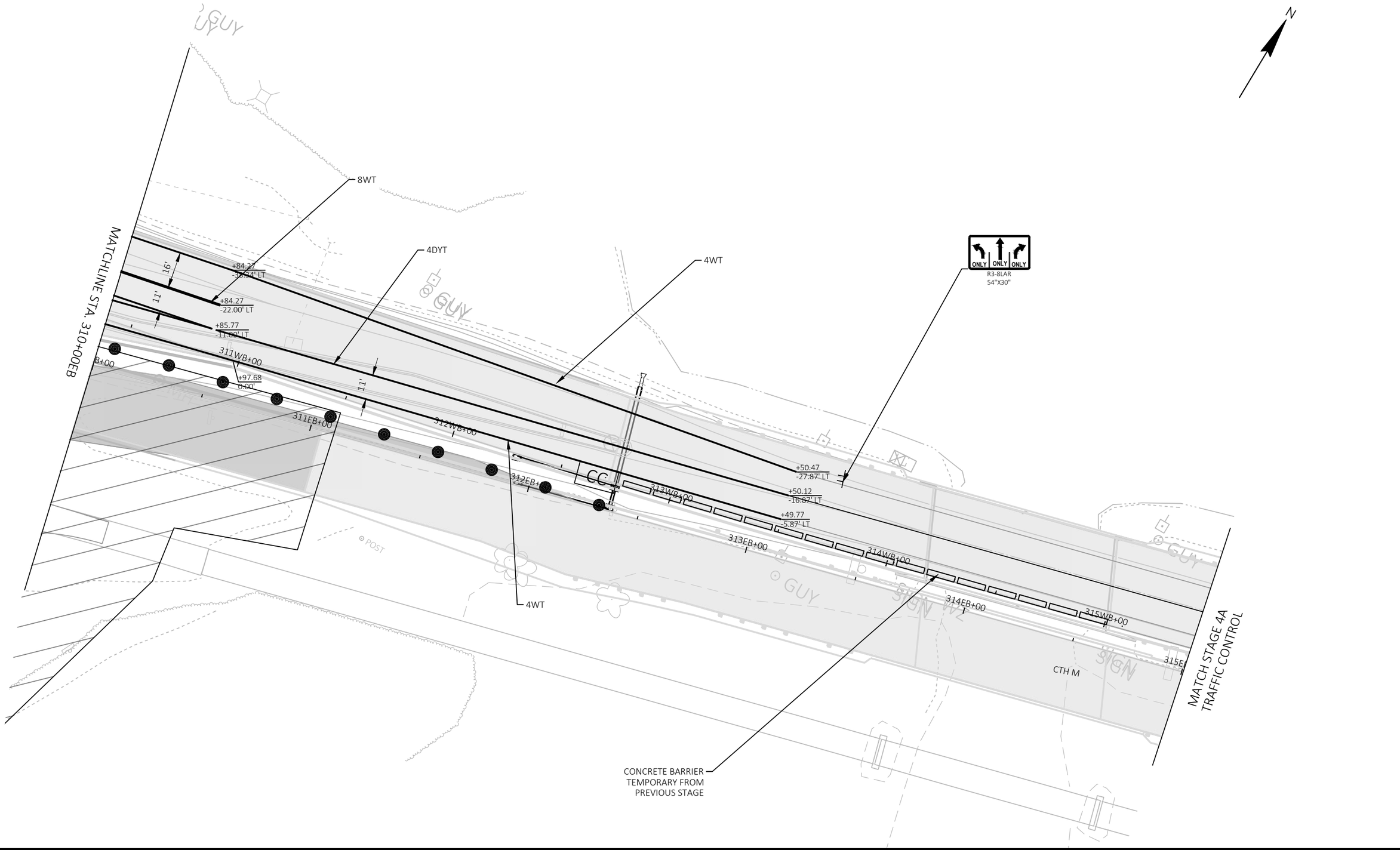
WISDOT/CADDS SHEET 42

NOTE:
PROVIDE LOCAL ACCESS AT ALL TIMES
PLACE PERMANENT PAVEMENT MARKING ON CTH K
AND NORTH SHORE BAY DRIVE (SEE MARKING PLAN)

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4B	SHEET 355	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M OPEN).DWG
LAYOUT NAME - 7
PLOT DATE : 4/13/2023 3:19 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4B	SHEET 356	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M OPEN).DWG
LAYOUT NAME - 8

PLOT DATE : 4/13/2023 3:19 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

PAVEMENT MARKING
ON CTH M PREVIOUS
INSTALLED IN STAGE 4A

N

MATCH STAGE 4A
TRAFFIC CONTROL

CTH M WB

CTH M EB

11'
11'
11'
11'
11'
14'

376WB+00
377WB+00
378WB+00
379WB+00
380WB+00
381WB+00

376EB+00
377EB+00
378EB+00
379EB+00
380EB+00
381EB+00

50'

18WT
18WT

10'
10'

4WT

4DYT

STOP
R1-1
30"X30"

R11-2
48" X 30"
ROAD
CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD
CLOSED
TYPE III BARRICADE

WILLOW ROAD (EAST)

COMPLETE UNDER
FLAGGING OPERATION

MATCH STAGE 4A
TRAFFIC CONTROL

MWEL
SIGN
GUY
IP
MH

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4B	SHEET 357	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 4 (CTH M OPEN).DWG
LAYOUT NAME - 8 (2)

PLOT DATE : 4/13/2023 3:20 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

MAINTENANCE OF TRAFFIC

CTH M

- CTH M WILL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES EXCEPT AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS.
- TRAFFIC WILL REMAIN ON THE PROPOSED PAVEMENT.

SIDE ROADS

- ALL SIDE ROADS WILL REMAIN OPEN TO ALL PROPOSED LANES AT ALL TIMES EXCEPT AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS.

PEDESTRIANS

- PEDESTRIAN ACCESS WILL BE MAINTAINED ON ALL PATH AND SIDEWALK AND CROSSINGS.

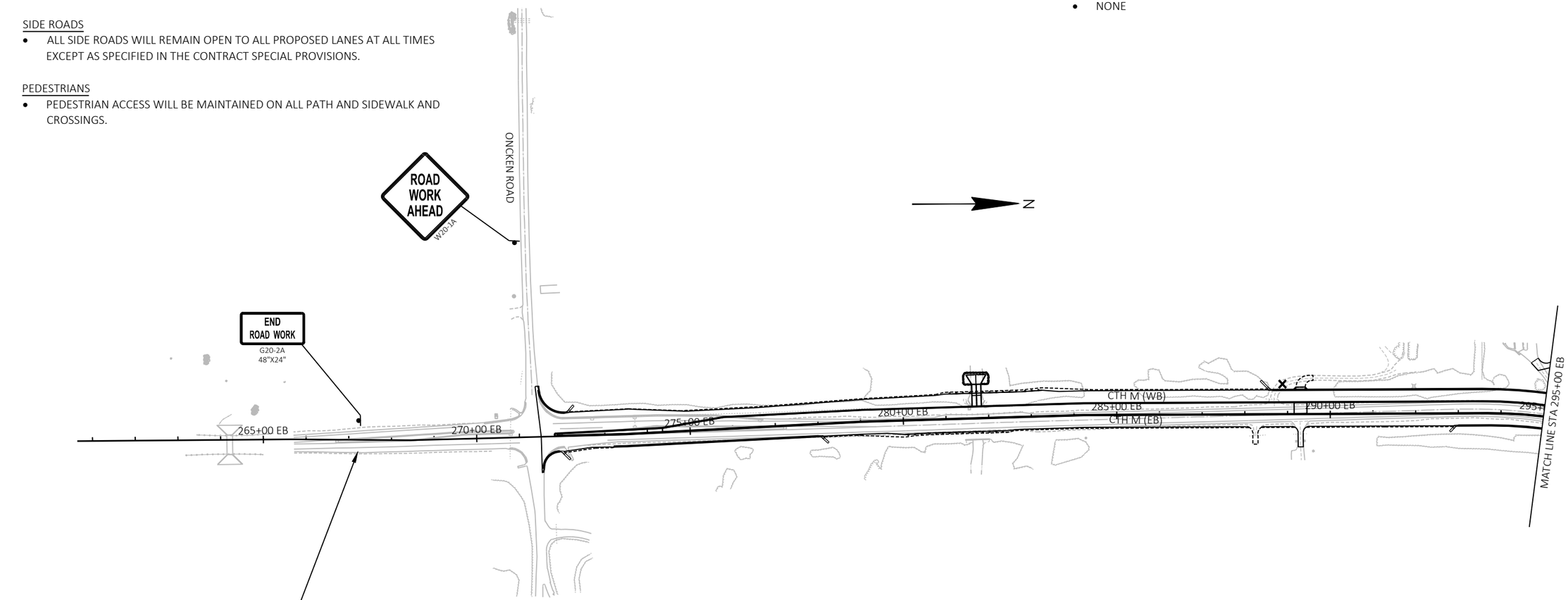
STAGE 5 WORK TO BE COMPLETED

CTH M

- CROSSOVER REMOVALS AND CTH M MEDIAN ISLANDS

SIDE ROADS

- NONE



2

END ROAD WORK
G20-2A
48"X24"

SEE TRAFFIC CONTROL SIGNS PER STANDARD DETAIL
TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH
OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

CTH K

SHILLING LANE

N

END ROAD WORK
G20-2A
48"X24"

SEE TRAFFIC CONTROL SIGNS PER STANDARD DETAIL
TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH
OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC

WOODLAND DRIVE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

MEDIAN LANE TO REMAIN CLOSED
PLACE BARRICADES WITH LANE CLOSED SIDES EVERY 1000'
SEE TRAFFIC CONTROL, SINGLE LANE CLOSURE,
DIVIDED NON-FREEWAY/EXPRESSWAY SSD

CTH M (WB)
CTH M (EB)
300+00 EB
310+00 EB
320+00 EB
325+00 EB
330+00 EB

MATCH LINE STA 330+00 EB

MANSFIELD ROAD

CORNER COURT

SEE SDD TRAFFIC CONTROL, SINGLE LANE
CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

SEE SDD TRAFFIC CONTROL, INTERSECTION
WITHIN SINGLE LEFT LANE CLOSURE

MATCH LINE STA 295+00 EB

NORTH SHORE BAY DRIVE

ROAD WORK AHEAD
W20-1A

2

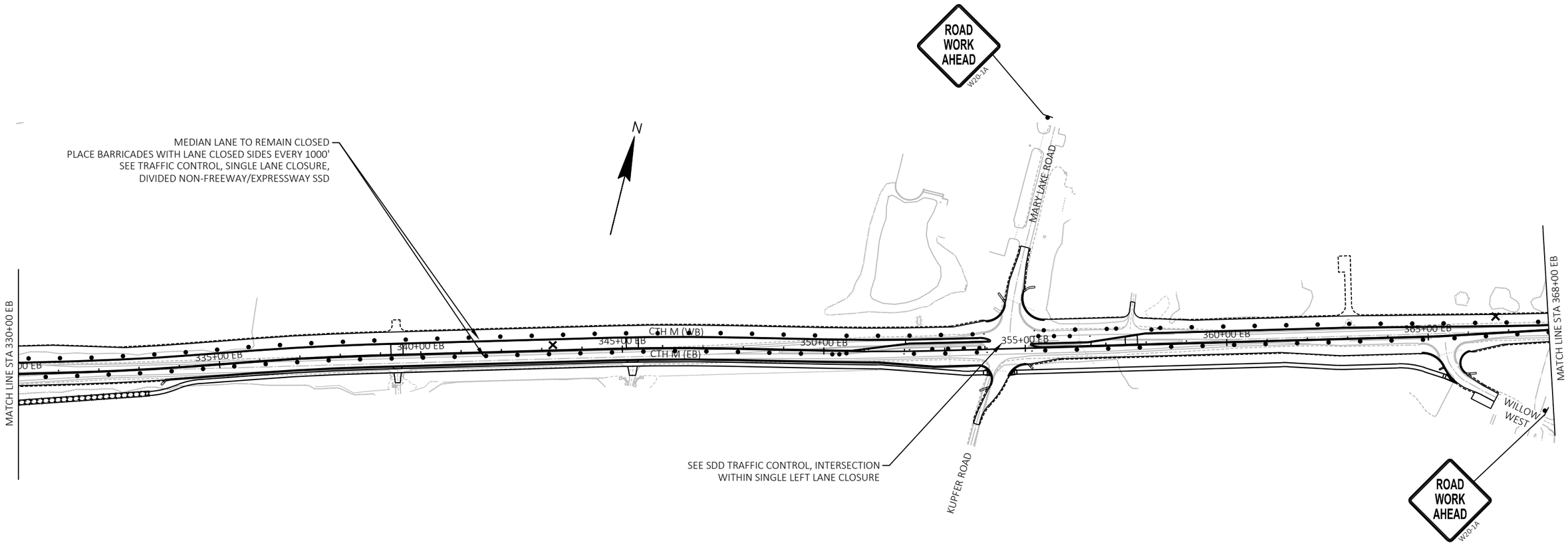
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5	SHEET 359	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 5 OVERVIEW.DWG
LAYOUT NAME - STAGE 5 SHEET 2

PLOT DATE : 4/19/2023 2:09 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1:250

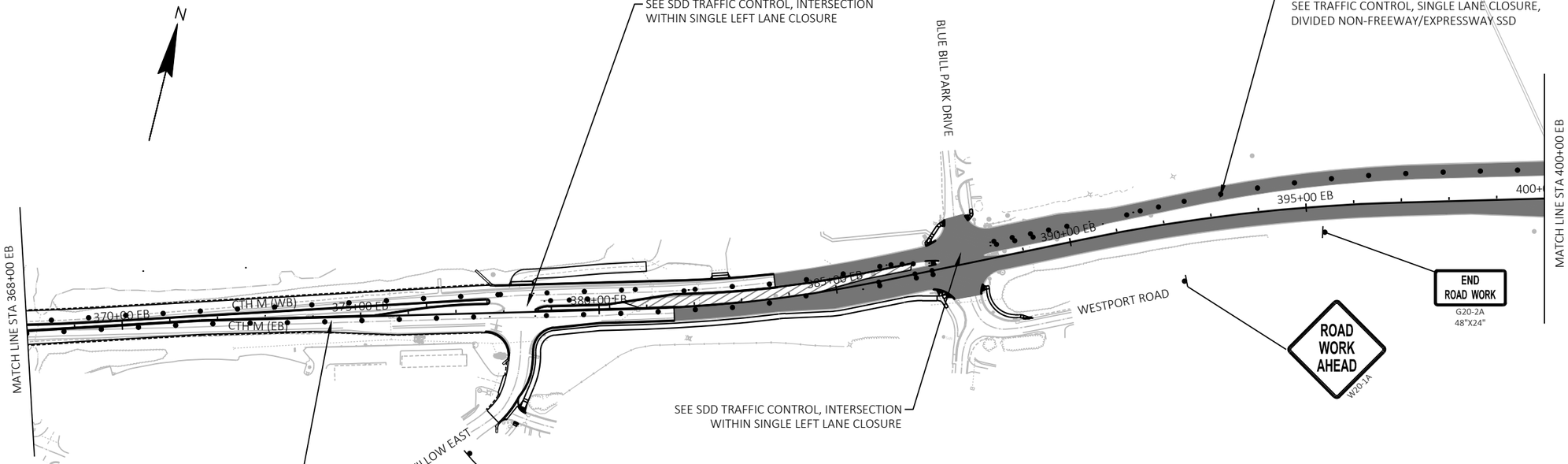
WISDOT/CADDS SHEET 44

2



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5	SHEET 360	E

2

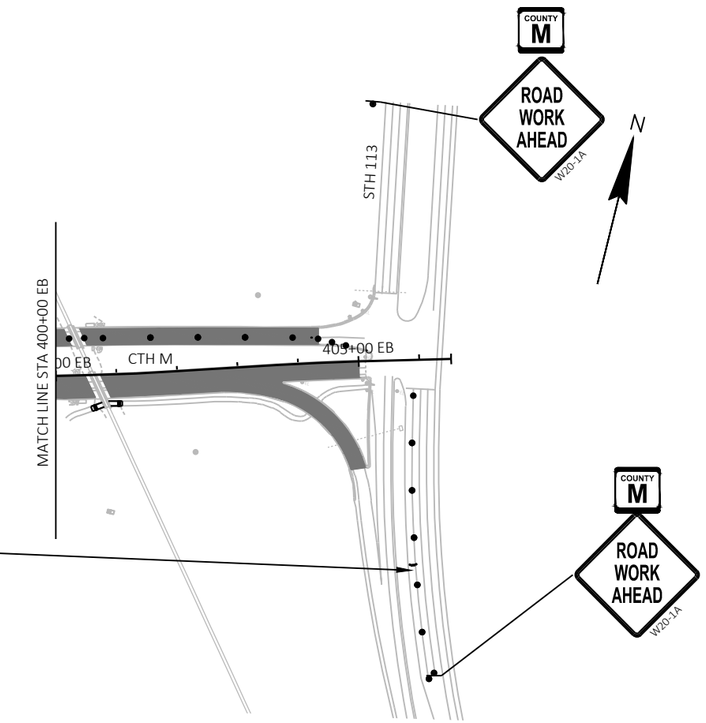


2

R11-2L
48" X 30"
LANE
CLOSED

TYPE III BARRICADE

LEFT LANE OF DUAL LEFT TURN
TO REMAIN CLOSED



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5	SHEET 361	E

2

2

PERMANENT
PAVEMENT
MARKING
(TYP.)

GUY
GUY
GUY

PT: 316+35.59

316WB+00
317EB+00
317WB+00
318EB+00
318WB+00
319EB+00
319WB+00
320EB+00
320WB+00
321EB+00
321WB+00
322EB+00
322WB+00
323WB+00
PC: 321+46.78

11'
11'

SIGN
SIGN
SIGN

POST

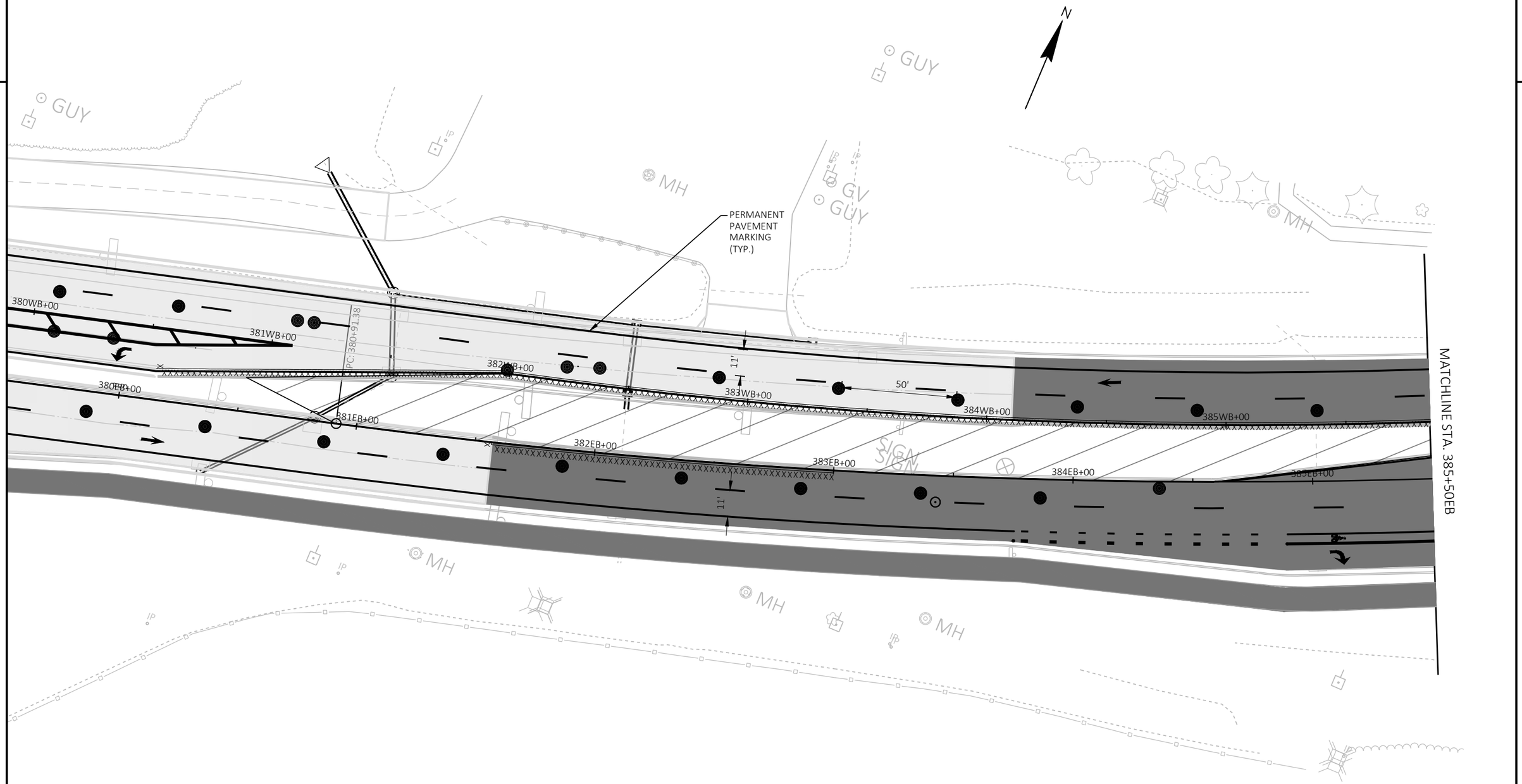
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5	SHEET 362	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 5.DWG
LAYOUT NAME - 10

PLOT DATE : 4/11/2023 8:09 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5	SHEET 363	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 5.DWG
LAYOUT NAME - 20

PLOT DATE : 4/11/2023 8:09 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

N BLUE BILL PARK DR

MH

SIGN

SIGN

MWEL

GUY

PERMANENT PAVEMENT MARKING (TYP.)

CTH M WB

CTH M EB

386WB+00

387WB+00

388WB+00

389WB+00

390WB+00

391WB+00

386EB+00

387EB+00

388EB+00

389EB+00

390EB+00

391EB+00

ONLY

MATCHLINE STA. 385+50EB

WESTPORT ROAD

GUY

SIGN

GV

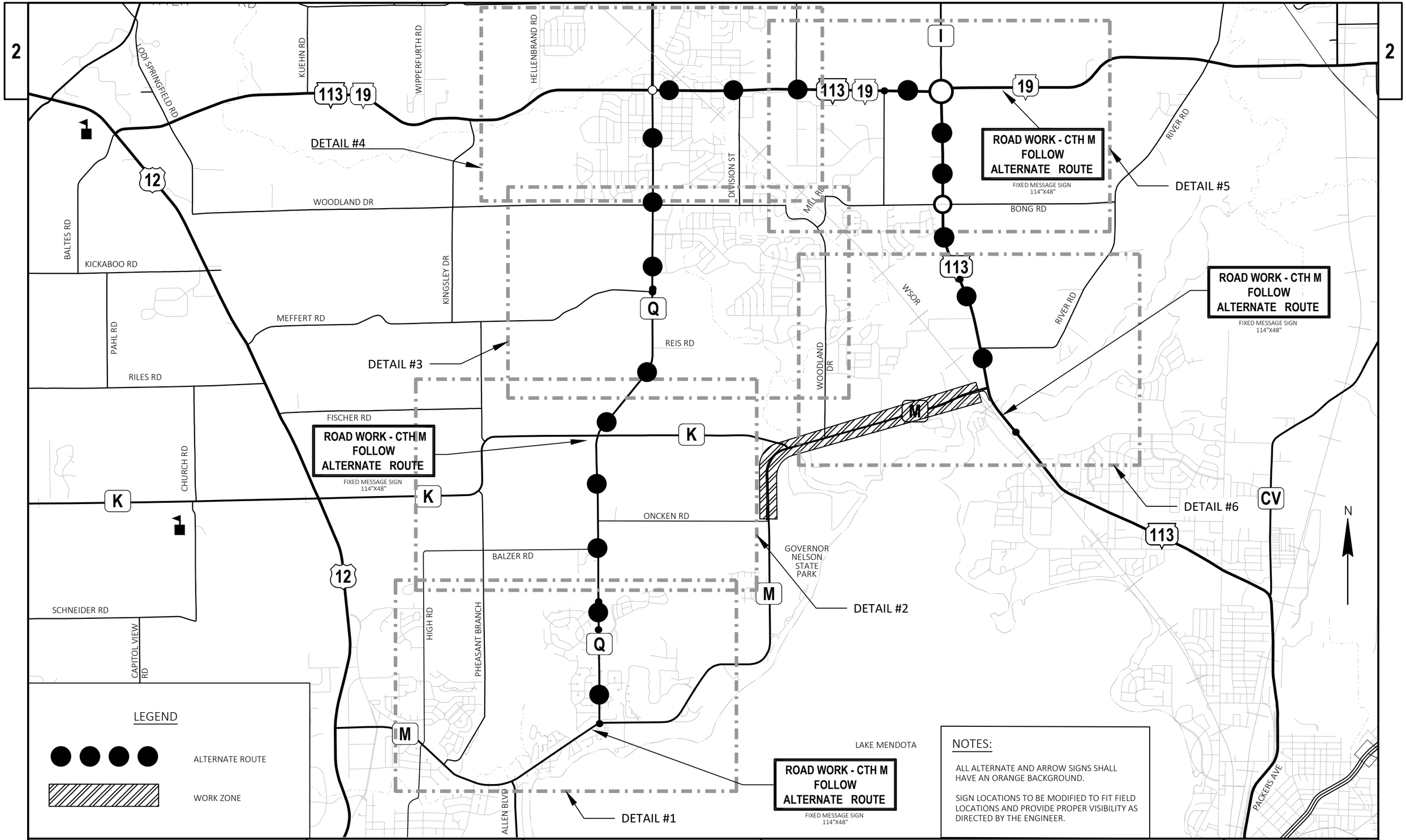
MWEL

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - STAGE 5	SHEET 364	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\STAGE 5.DWG
LAYOUT NAME - 21

PLOT DATE : 4/11/2023 8:10 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALTERNATE ROUTE OVERVIEW	SHEET 365	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027002_ALT ROUTE.DWG
LAYOUT NAME - CTH M ALT RTE OVERVIEW

PLOT DATE : 4/12/2023 1:22 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:0.75 MI

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- POST MOUNTED SIGN
- SIGN ON EXISTING POST
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- COUNTY A — EXISTING SIGN
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- ALTERNATE ROUTE
- ROAD CLOSUED

N

HIGH RD

PHEASANT BRANCH RD

PARK ST

ALLEN BLVD

Q

M

ALTERNATE ROUTE
NEXT 12 MILES
G20-51(MOD)
60"X24"

JCT COUNTY M

ALTERNATE M4-1 24"X12"
EAST M3-2 24"X12"
COUNTY M M1-5A 24"X24"

M4-8A(MOD) 24"X18"
END ALTERNATE ROUTE
COUNTY Q
COUNTY M
M6-1 21"X21"

COUNTY Q

ROAD WORK - CTH M
FOLLOW
ALTERNATE ROUTE
FIXED MESSAGE SIGN
114"X48"

M4-1 24"X12"
M3-2 24"X12"
M1-5A 24"X24"
M5-1L 21"X21"

M6-1 21"X21"

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALTERNATE ROUTE DETAIL #1	SHEET 366	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027002_ALT ROUTE.DWG
LAYOUT NAME - CTH M 01

PLOT DATE : 4/12/2023 1:22 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN: 1000 FT

WISDOT/CADDS SHEET 42

2

PHEASANT BRANCH RD

ROAD WORK - CTH M
FOLLOW
ALTERNATE ROUTE

FIXED MESSAGE SIGN
114"X48"

ALTERNATE WEST M4-1 24"X12" M3-4 24"X12" COUNTY M M1-5A 24"X24" M6-1 21"X21"

ALTERNATE EAST M4-1 24"X12" M3-2 24"X12" COUNTY Q M M1-5A 24"X24" M6-1 21"X21"

SPEED LIMIT 45 COUNTY Q ALTERNATE EAST M4-1 24"X12" M3-2 24"X12" COUNTY M M1-5A 24"X24"

COUNTY Q COUNTY M M1-5A 24"X24" M6-4 21"X21"

Q

K

M4-1 24"X12" M3-4 24"X12" M1-5A 24"X24" ALTERNATE WEST SPEED LIMIT 45 COUNTY M COUNTY Q

COUNTY K ALTERNATE EAST M4-1 24"X12" M3-2 24"X12" COUNTY M M1-5A 24"X24" M6-1 21"X21"

JCT COUNTY K ALTERNATE EAST M4-1 24"X12" M3-2 24"X12" COUNTY M M1-5A 24"X24" M6-1 21"X21"

SPEED LIMIT 45 ALTERNATE EAST M4-1 24"X12" M3-2 24"X12" COUNTY M M1-5A 24"X24"

ONCKEN RD

ALTERNATE EAST M4-1 24"X12" M3-2 24"X12" COUNTY M M1-5A 24"X24" M6-1 21"X21"

BALZER RD

ALTERNATE WEST M4-1 24"X12" M3-4 24"X12" COUNTY M M1-5A 24"X24"

Q

PHEASANT BRANCH

N

2

LEGEND

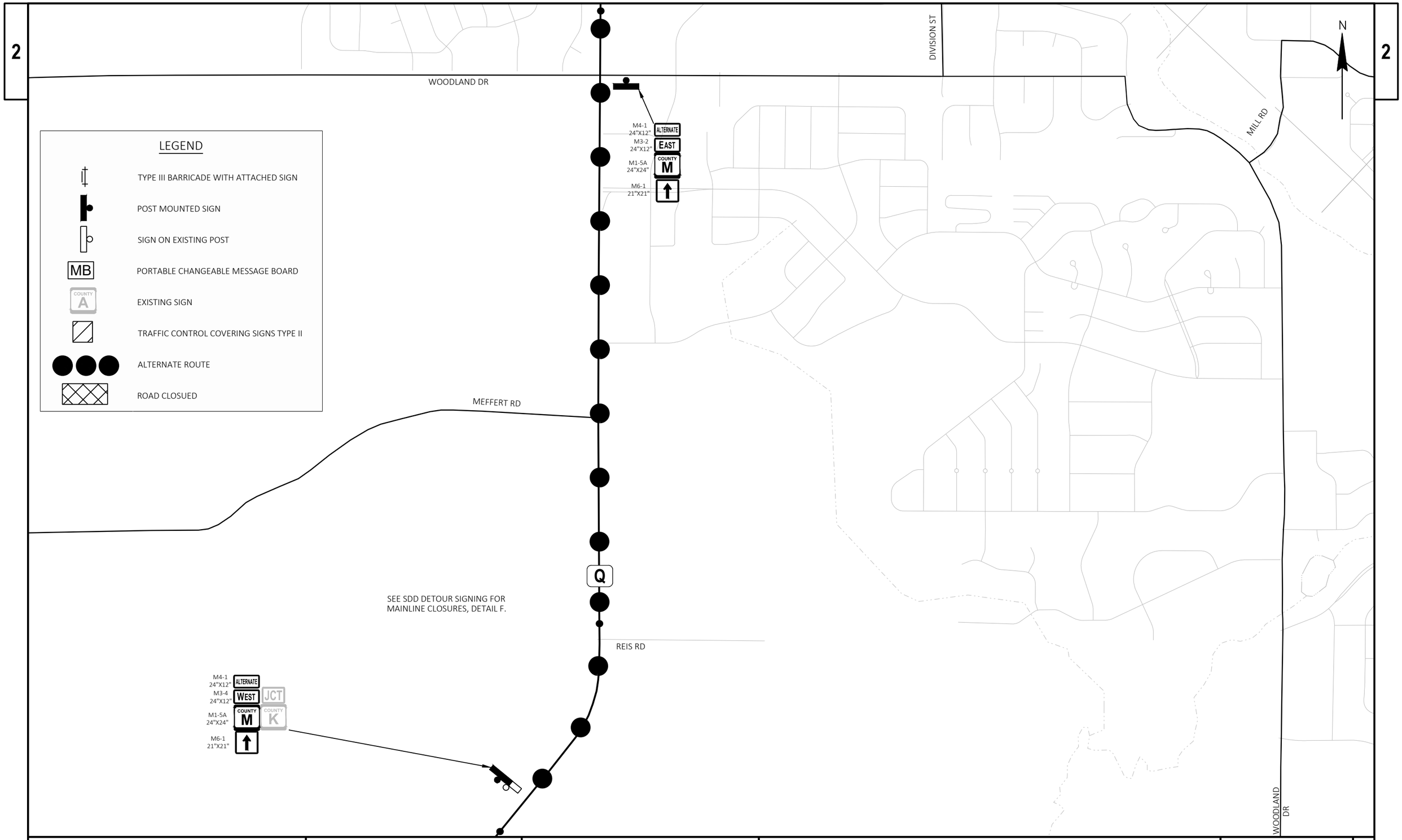
- TYPE III BARRICADE WITH ATTACHED SIGN
- POST MOUNTED SIGN
- SIGN ON EXISTING POST
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- COUNTY A — EXISTING SIGN
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- ALTERNATE ROUTE
- ROAD CLOSUED

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALTERNATE ROUTE DETAIL #2	SHEET 367	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027002_ALT ROUTE.DWG
LAYOUT NAME - CTH M 02

PLOT DATE : 4/12/2023 1:22 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:1000 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALTERNATE ROUTE DETAIL #3	SHEET 368	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027002_ALT ROUTE.DWG
LAYOUT NAME - CTH M 03

PLOT DATE : 4/12/2023 1:22 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:1000 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- POST MOUNTED SIGN
- SIGN ON EXISTING POST
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- COUNTY A — EXISTING SIGN
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- ALTERNATE ROUTE
- ROAD CLOSUED

N

2

SEE SDD DETOUR SIGNING FOR MAINLINE CLOSURES, DETAIL F.

HELLENBRAND RD

N MADISON ST

SCHUMACHER RD

RAEMISCH RD

S DIVISION ST

ON ST

113

19

Q

ALTERNATE WEST COUNTY M — M4-1 24"X12", M3-4 24"X12", M1-5A 24"X24"
COUNTY Q — M5-1L 21"X21"

ALTERNATE WEST COUNTY M — M4-1 24"X12", M3-4 24"X12", M1-5A 24"X24"
JCT COUNTY Q — M5-1L 21"X21"

ALTERNATE WEST COUNTY M — M4-1 24"X12", M3-4 24"X12", M1-5A 24"X24"
COUNTY Q — M6-2 21"X21"

EAST 19 SOUTH 113 — ALTERNATE EAST COUNTY M — M4-1 24"X12", M3-2 24"X12", M1-5A 24"X24", M6-1 21"X21"

EAST SOUTH 19 113 — ALTERNATE EAST COUNTY M — M4-1 24"X12", M3-2 24"X12", M1-5A 24"X24", M6-2 21"X21"

EAST 19 SOUTH 113 — ALTERNATE EAST COUNTY M — M4-1 24"X12", M3-2 24"X12", M1-5A 24"X24"

ALTERNATE WEST COUNTY M — M4-1 24"X12", M3-4 24"X12", M1-5A 24"X24"

JCT 19 113 — ALTERNATE EAST COUNTY M — M4-1 24"X12", M3-2 24"X12", M1-5A 24"X24", M5-1R 21"X21"

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALTERNATE ROUTE DETAIL #4	SHEET 369	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027002_ALT ROUTE.DWG
LAYOUT NAME - CTH M 04

PLOT DATE : 4/12/2023 1:22 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:1000 FT

WISDOT/CADDS SHEET 42

2

SCHUMACHER RD

RAEMISCH RD

MORAVIAN VALLEY RD

HOGAN RD

MILL RD

ARBORETUM DR

BONG RD

I

113

19

SEE SDD DETOUR SIGNING FOR MAINLINE CLOSURES, DETAIL F.

ROAD WORK
CTH M
USE ALTERNATE ROUTE
FIXED MESSAGE SIGN
42"X94"

N

M4-1 24"X12"
M3-4 24"X12"
M1-5A 24"X24"
ALTERNATE
WEST
COUNTY M
WEST 19
NORTH 113

M4-1 24"X12"
M3-4 24"X12"
M1-5A 24"X24"
ALTERNATE
WEST
COUNTY M
WEST 19
NORTH 113

M4-1 24"X12"
M3-4 24"X12"
M1-5A 24"X24"
M6-1 21"X21"
ALTERNATE
WEST
COUNTY M

M4-1 24"X12"
M3-4 24"X12"
M1-5A 24"X24"
ALTERNATE
WEST
COUNTY M
JCT 113
JCT COUNTY I

M4-1 24"X12"
M3-2 24"X12"
M1-5A 24"X24"
M5-1R 21"X21"
ALTERNATE
EAST
JCT COUNTY I
COUNTY M

M4-1 24"X12"
M3-2 24"X12"
M1-5A 24"X24"
M6-1 21"X21"
ALTERNATE
EAST
COUNTY M

M4-1 24"X12"
M3-2 24"X12"
M1-5A 24"X24"
ALTERNATE
EAST
COUNTY M
SOUTH 113

M4-1 24"X12"
M3-4 24"X12"
M1-5A 24"X24"
M6-1 21"X21"
ALTERNATE
WEST
COUNTY M

M4-1 24"X12"
M3-4 24"X12"
M1-5A 24"X24"
M5-1L 21"X21"
ALTERNATE
WEST
JCT 19
JCT COUNTY I
COUNTY M

M4-1 24"X12"
M3-2 24"X12"
M1-5A 24"X24"
M6-1 21"X21"
ALTERNATE
EAST
COUNTY M
113 SOUTH
Bong Rd
Arboretum Dr

M4-1 24"X12"
M3-4 24"X12"
M1-5A 24"X24"
M6-1 21"X21"
ALTERNATE
WEST
COUNTY M
NORTH 113

M4-1 24"X12"
M3-4 24"X12"
M1-5A 24"X24"
M6-1 21"X21"
ALTERNATE
WEST
COUNTY M
NORTH 113

M4-1 24"X12"
M3-2 24"X12"
M1-5A 24"X24"
M6-1 21"X21"
ALTERNATE
EAST
COUNTY M
SOUTH 113

M4-1 24"X12"
M3-2 24"X12"
M1-5A 24"X24"
ALTERNATE
EAST
COUNTY M
SOUTH 113

M4-1 24"X12"
M3-4 24"X12"
M1-5A 24"X24"
M6-1 21"X21"
ALTERNATE
WEST
COUNTY M
113 NORTH
Arboretum Dr
Bong Rd

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- POST MOUNTED SIGN
- SIGN ON EXISTING POST
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- COUNTY A — EXISTING SIGN
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- ALTERNATE ROUTE
- ROAD CLOSUED

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALTERNATE ROUTE DETAIL #5	SHEET 370	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027002_ALT ROUTE.DWG
LAYOUT NAME - CTH M 05

PLOT DATE : 4/12/2023 1:22 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:1000 FT

WISDOT/CADDS SHEET 42

2

N

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- POST MOUNTED SIGN
- SIGN ON EXISTING POST
- EXISTING SIGN (COUNTY A)
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- ALTERNATE ROUTE
- WORK ZONE
- * MEDIAN AND OUTSIDE SHOULDER

113

WSOR

RIVER RD

WOODLAND DR

M

ONE WAY

ALTERNATE WEST COUNTY M — M4-1 24"X12", M3-4 24"X12", M1-5A 24"X24", M6-1 21"X21"

ALTERNATE ROUTE NEXT 12 MILES
G20-51(MOD) 60"X24"

NORTH 113 — ALTERNATE WEST COUNTY M — M4-1 24"X12", M3-4 24"X12", M1-5A 24"X24"

END ALTERNATE ROUTE JCT COUNTY M — M4-8A(MOD) 24"X18"

ALTERNATE WEST COUNTY M — M4-1 24"X12", M3-4 24"X12", M1-5A 24"X24", M6-1 21"X21"

COVER WITH Middleton

COUNTY M

* ALTERNATE JCT WEST COUNTY M — M4-1 24"X12", M3-4 24"X12", M6-1 21"X21"

ROAD WORK - CTH M
FOLLOW
ALTERNATE ROUTE
FIXED MESSAGE SIGN
114"X48"

2

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALTERNATE ROUTE DETAIL #6	SHEET 371	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027002_ALT ROUTE.DWG
LAYOUT NAME - CTH M 06

PLOT DATE : 4/12/2023 1:22 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:1000 FT

WISDOT/CADDS SHEET 42

NOTE:
PLACE PORTABLE CHANGEABLE MESSAGE BOARDS
FOR DURATION OF THE CTH K CLOSURE.

PCMS

PANEL 1	PANEL 2
CTH K CLOSED AHEAD	USE CTH M ALT ROUTE

SEE ALTERNATE ROUTE
CTH K (STAGE 3) DETAIL

NOTE:
PLACE PORTABLE CHANGEABLE MESSAGE BOARDS
FOR DURATION OF THE CTH K CLOSURE.

PCMS

PANEL 1	PANEL 2
CTH K CLOSED AHEAD	USE CTH M ALT ROUTE

ROAD WORK - CTH M
FOLLOW
ALTERNATE ROUTE

FIXED MESSAGE SIGN
114"X48"

LEGEND

ALTERNATE ROUTE

ROAD CLOSURE

GENERAL NOTES

- SIGNS COVERING EXISTING SIGNS SHALL MATCH THE SIZE OF THE SIGN BEING COVERED.
- "WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.
- ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE WISCONSIN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT SIGN PLATE MANUAL UNLESS OTHERWISE PROVIDED IN THE PLAN.
- THE EXACT NUMBER, LOCATION AND SPACING OF SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED OR DIRECTED BY THE ENGINEER.
- ANY EXISTING TRAFFIC SIGNS THAT CONFLICT WITH THIS DETOUR SHALL BE COVERED AS DIRECTED BY THE ENGINEER.
- DETOUR SIGNS SHALL BE COVERED OR REMOVED WHEN DETOUR IS NOT IN USE OR AS DIRECTED BY THE ENGINEER.
- SEE TRAFFIC CONTROL PLANS FOR ADDITONAL SIGNS AND TRAFFIC CONTROL DEVICES.

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALTERNATE ROUTE CTH K (STAGE 3) OVERVIEW	SHEET 372	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027002_ALT ROUTE.DWG
LAYOUT NAME - CTH K CLSR(Overview)
PLOT DATE : 4/12/2023 1:22 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:0.75 MI
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- POST MOUNTED SIGN
- SIGN ON EXISTING POST
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- COUNTY A — EXISTING SIGN
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- ALTERNATE ROUTE
- ROAD CLOSUED

NOTE:
PLACE PORTABLE CHANGEABLE MESSAGE BOARDS
7 DAYS PRIOR TO CLOSURE.

N

REIS RD

WOODLAND DR

PCMS

PANEL 1	PANEL 2
ROAD TO CLOSE	XXXXDAY XX/XX

R11-3
60"X30"
ROAD CLOSED TO THRU TRAFFIC 1 1/2 MILES AHEAD
TYPE III BARRICADE

ROAD CLOSED 1000 FT
W20-3E

ROAD CLOSED 500 FT
W20-3D

K

K

MB

MB

M

M

Q

Q

SEE SDD BARRICADES AND SIGNS FOR MAINLINE CLOSURE, DETAIL B.
SDD DETOUR SIGNING FOR MAINLINE CLOSURES, DETAIL F.

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

SEE TRAFFIC CONTROL PLANS STAGE 3 (CTH K CLOSED) FOR MORE DETAILS

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

SEE SDD BARRICADES AND SIGNS FOR SIDEROAD CLOSURES DETAIL 3

ONCKEN RD

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

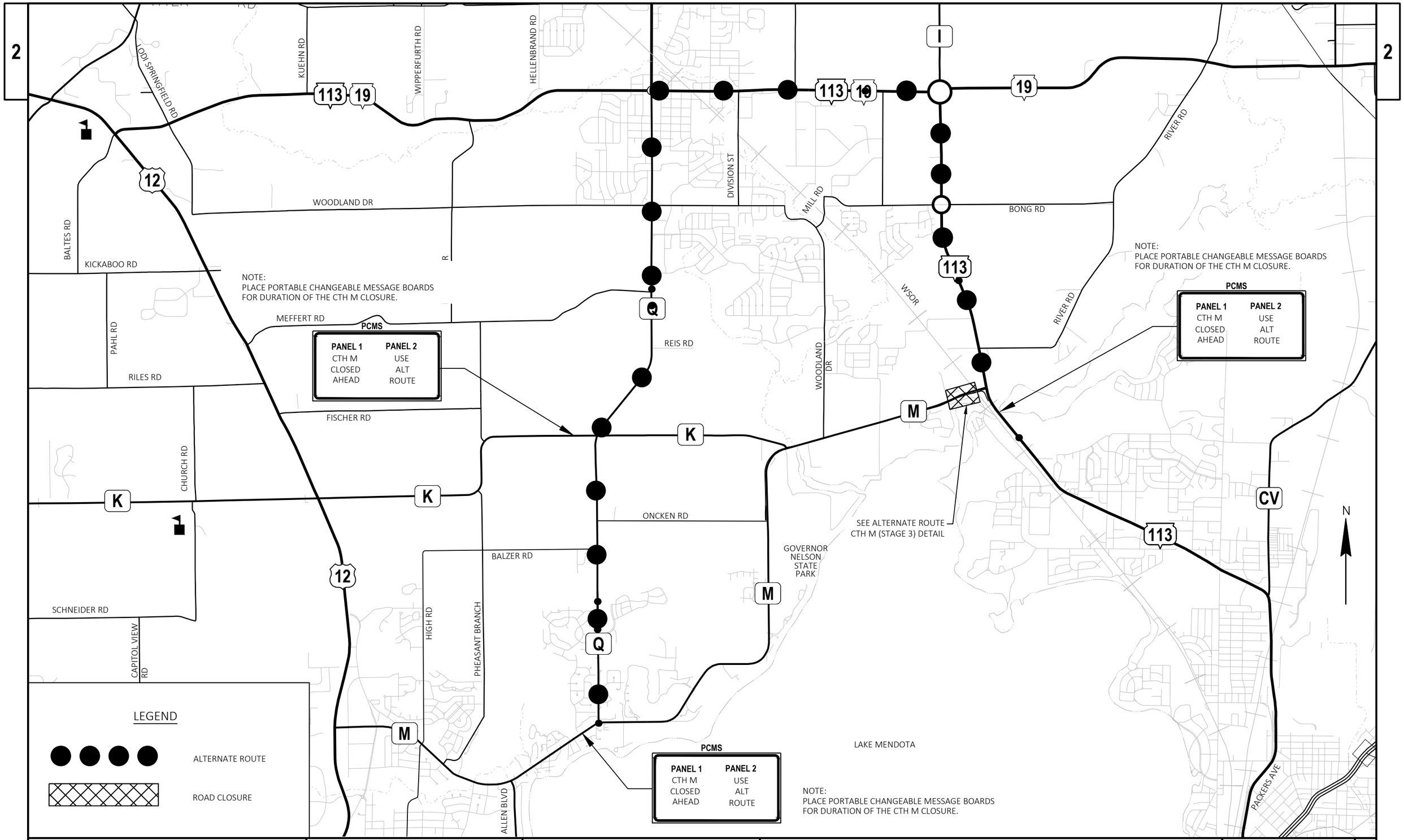
SEE SDD BARRICADES AND SIGNS FOR SIDEROAD CLOSURES DETAIL 3

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALTERNATE ROUTE CTH K (STAGE 3) DETAIL	SHEET 373	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027002_ALT ROUTE.DWG
LAYOUT NAME - CTH K 01

PLOT DATE : 4/12/2023 1:22 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:1000 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALTERNATE ROUTE CTH M STAGE 3 OVERVIEW	SHEET 374	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027002_ALT ROUTE.DWG
LAYOUT NAME - CTH M CLSR(Stage 3 Overview)

PLOT DATE : 4/12/2023 1:22 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:0.75 MI

WISDOT/CADDS SHEET 42

2

2

N

WISOR

RIVER RD

WOODLAND DR

PCMS

PANEL 1	PANEL 2
ROAD TO CLOSE	XXXXDAY XX/XX

SEE SDD BARRICADES AND SIGNS FOR MAINLINE CLOSURE, DETAIL B.
SDD DETOUR SIGNING FOR MAINLINE CLOSURES, DETAIL F.

NOTE:
PLACE PORTABLE CHANGEABLE MESSAGE BOARDS 7 DAYS PRIOR TO CLOSURE.

MB

SEE TRAFFIC CONTROL PLANS STAGE 3 FOR MORE DETAILS

MB

M

PCMS

PANEL 1	PANEL 2
ROAD TO CLOSE	XXXXDAY XX/XX

113

LEGEND

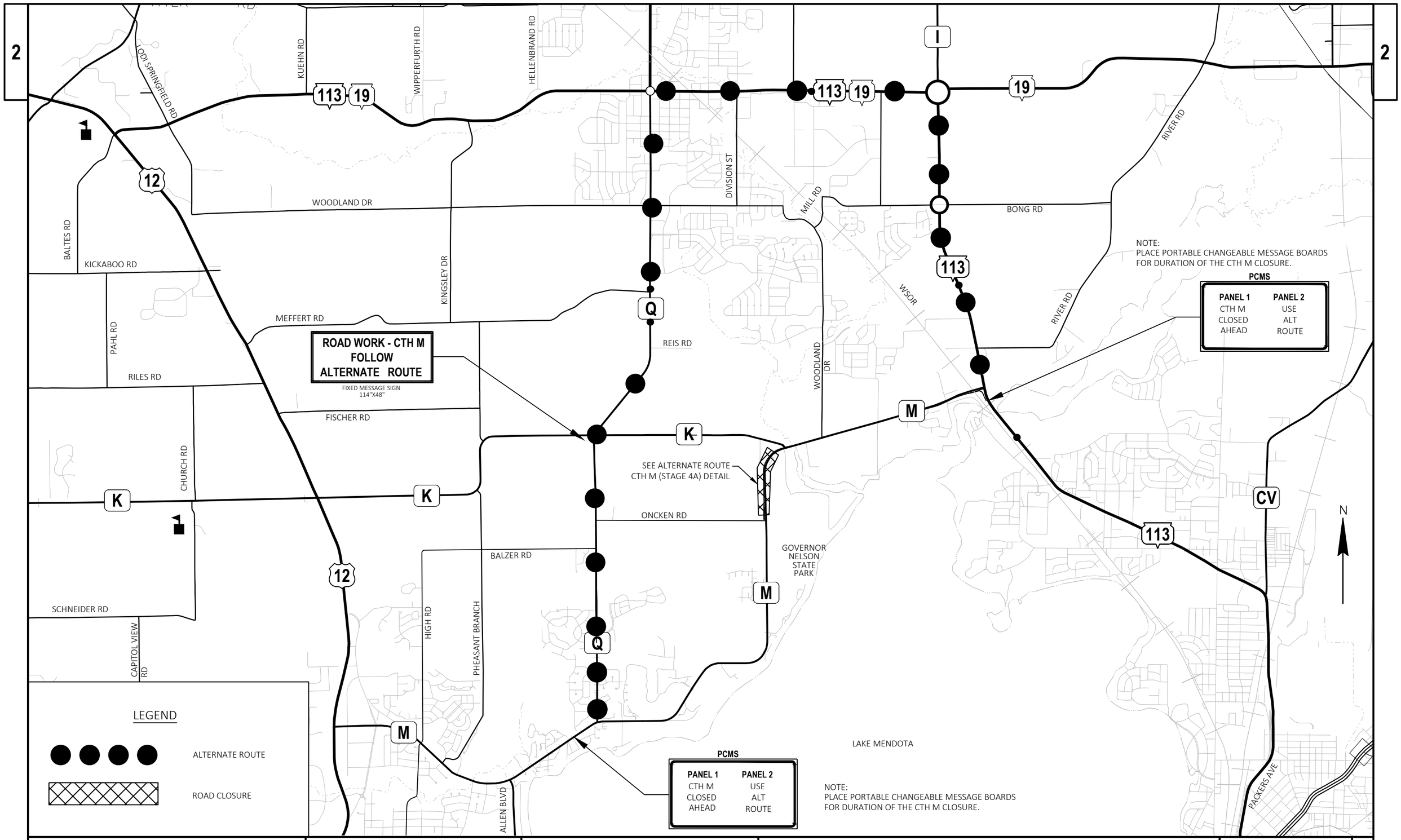
- TYPE III BARRICADE WITH ATTACHED SIGN
- POST MOUNTED SIGN
- SIGN ON EXISTING POST
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- COUNTY A — EXISTING SIGN
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- ALTERNATE ROUTE
- ROAD CLOSUED

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALTERNATE ROUTE CTH M (STAGE 3) DETAIL	SHEET 375	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027002_ALT ROUTE.DWG
LAYOUT NAME - CTH M (STAGE 3)

PLOT DATE : 4/12/2023 1:22 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:1000 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL CTH M ALTERNATE ROUTE (STAGE 4A)	SHEET 376 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027002_ALT ROUTE.DWG
LAYOUT NAME - CTH M CLSR(Stage 4 Overview)

PLOT DATE : 4/12/2023 1:23 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:0.75 MI

WISDOT/CADDS SHEET 42

N

2

2

Q

K

K

M

WOODLAND DR

ROAD CLOSED 1000 FT
W20-3C

ROAD CLOSED 500 FT
W20-3D

PCMS

PANEL 1	PANEL 2
ROAD TO CLOSE	XXXXDAY XX/XX

MB

SEE SDD BARRICADES AND SIGNS FOR MAINLINE CLOSURE, DETAIL A.
SDD DETOUR SIGNING FOR MAINLINE CLOSURES, DETAIL F.

SEE TRAFFIC CONTROL PLANS (STAGE 4A) FOR MORE DETAILS

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC

TYPE III BARRICADE

ONCKEN RD

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC

TYPE III BARRICADE

SEE SDD BARRICADES AND SIGNS FOR SIDEROAD CLOSURES DETAIL 3

PCMS

PANEL 1	PANEL 2
ROAD TO CLOSE	XXXXDAY XX/XX

MB

ROAD CLOSED 500 FT
W20-3D

ROAD CLOSED 1000 FT
W20-3C

NOTE:
PLACE PORTABLE CHANGEABLE MESSAGE BOARDS 7 DAYS PRIOR TO CLOSURE.

SEE SDD BARRICADES AND SIGNS FOR SIDEROAD CLOSURES DETAIL 3

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- POST MOUNTED SIGN
- SIGN ON EXISTING POST
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- COUNTY A — EXISTING SIGN
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- ALTERNATE ROUTE
- ROAD CLOSUED

Q

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALTERNATE ROUTE CTH M (STAGE 4A) DETAIL	SHEET 377	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027002_ALT ROUTE.DWG
LAYOUT NAME - CTH M (STAGE 4)

PLOT DATE : 4/12/2023 1:23 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:1000 FT

WISDOT/CADDS SHEET 42

2

N

P.I. STA=271+85.25 'WB'
Northing=505732.1321
Easting=805664.0521

P.I. STA=279+04.79 'WB'
Northing=506450.9936
Easting=805632.7771

P.I. STA=284+23.22 'WB'
Northing=506969.2987
Easting=805621.7297

PI: 268+50.00 'WB'
N = 505397.428
E = 805683.211

BP: 271+39.69 'WB'
N = 505686.6447
E = 805666.6559

PI: 271+85.25 'WB'

PI: 279+04.79 'WB'

PI: 284+23.22 'WB'

PC: 293+57.22 'WB'

265'EB' N0°57'20"E 270'WB' N3°16'34"W 275'WB' N2°29'28"W 280'WB' N1°13'16"W 285'WB' N0°12'54"E 290'WB' 295'

270'EB' N1°02'09"W 275'EB' N2°29'30"W 280'EB' N1°13'16"W 285'EB' N0°13'42"E 290'EB' 295

CTH M WB

CTH M EB

MATCH LINE 295+00 'EB'

PI: 265+65.52 'EB'

PI: 268+46.56 'EB'
N = 505394.261
E = 805695.983

BP: 271+51.14 'EB'
N = 505698.7898
E = 805690.4779

PI: 273+49.84 'EB'

PI: 279+04.54 'EB'

PI: 284+22.58 'EB'

PC: 293+68.57 'EB'

P.I. STA=273+49.84 'EB'
Northing=505897.4529
Easting=805686.8863

P.I. STA=279+04.54 'EB'
Northing=506451.6329
Easting=805662.7703

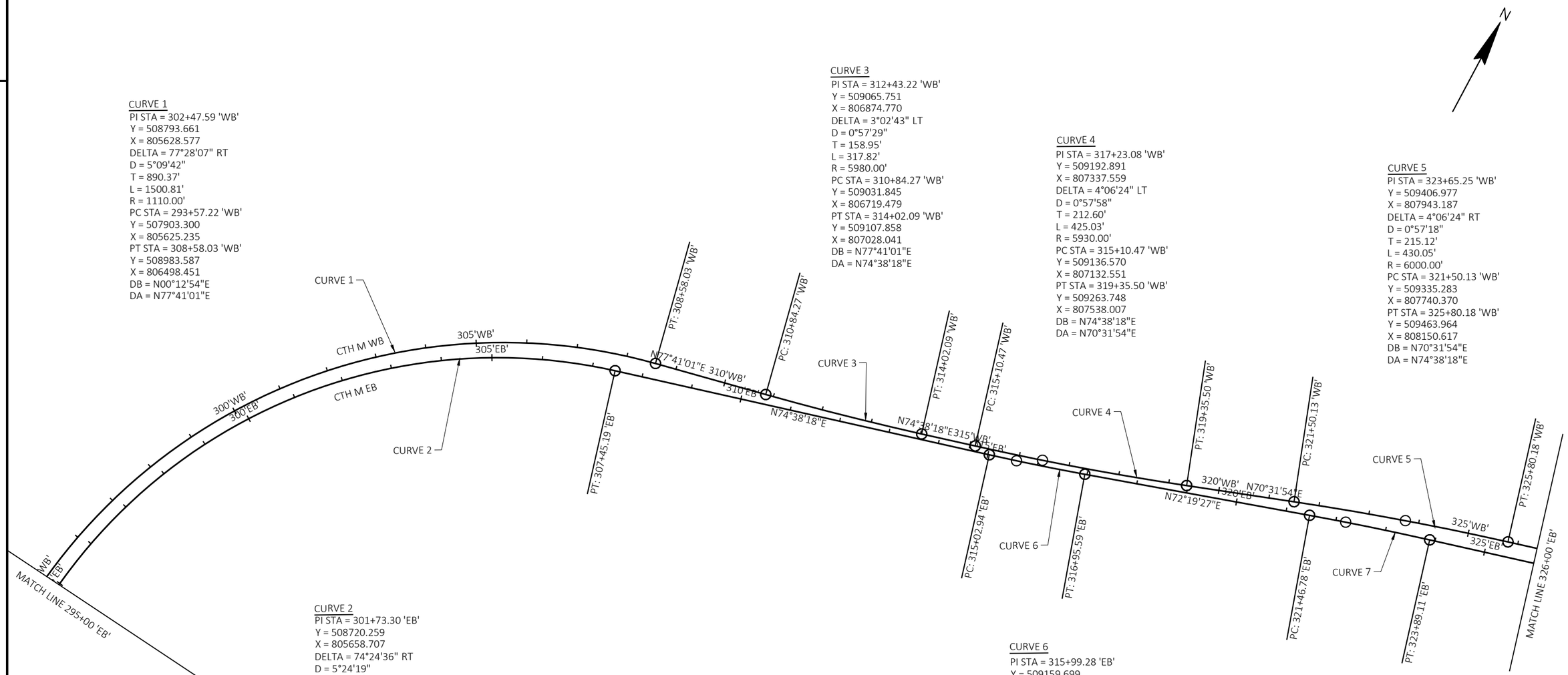
P.I. STA=284+22.58 'EB'
Northing=506969.5595
Easting=805651.7309

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 378	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 12

PLOT DATE : 1/30/2023 10:09 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:200 FT

2



CURVE 1
PI STA = 302+47.59 'WB'
Y = 508793.661
X = 805628.577
DELTA = 77°28'07" RT
D = 5°09'42"
T = 890.37'
L = 1500.81'
R = 1110.00'
PC STA = 293+57.22 'WB'
Y = 507903.300
X = 805625.235
PT STA = 308+58.03 'WB'
Y = 508983.587
X = 806498.451
DB = N00°12'54"E
DA = N77°41'01"E

CURVE 2
PI STA = 301+73.30 'EB'
Y = 508720.259
X = 805658.707
DELTA = 74°24'36" RT
D = 5°24'19"
T = 804.73'
L = 1376.62'
R = 1060.00'
PC STA = 293+68.57 'EB'
Y = 507915.535
X = 805655.500
PT STA = 307+45.19 'EB'
Y = 508933.441
X = 806434.686
DB = N00°13'42"E
DA = N74°38'18"E

CURVE 3
PI STA = 312+43.22 'WB'
Y = 509065.751
X = 806874.770
DELTA = 3°02'43" LT
D = 0°57'29"
T = 158.95'
L = 317.82'
R = 5980.00'
PC STA = 310+84.27 'WB'
Y = 509031.845
X = 806719.479
PT STA = 314+02.09 'WB'
Y = 509107.858
X = 807028.041
DB = N77°41'01"E
DA = N74°38'18"E

CURVE 4
PI STA = 317+23.08 'WB'
Y = 509192.891
X = 807337.559
DELTA = 4°06'24" LT
D = 0°57'58"
T = 212.60'
L = 425.03'
R = 5930.00'
PC STA = 315+10.47 'WB'
Y = 509136.570
X = 807132.551
PT STA = 319+35.50 'WB'
Y = 509263.748
X = 807538.007
DB = N74°38'18"E
DA = N70°31'54"E

CURVE 5
PI STA = 323+65.25 'WB'
Y = 509406.977
X = 807943.187
DELTA = 4°06'24" RT
D = 0°57'18"
T = 215.12'
L = 430.05'
R = 6000.00'
PC STA = 321+50.13 'WB'
Y = 509335.283
X = 807740.370
PT STA = 325+80.18 'WB'
Y = 509463.964
X = 808150.617
DB = N70°31'54"E
DA = N74°38'18"E

CURVE 6
PI STA = 315+99.28 'EB'
Y = 509159.699
X = 807258.262
DELTA = 2°18'51" LT
D = 1°12'04"
T = 96.34'
L = 192.65'
R = 4770.00'
PC STA = 315+02.94 'EB'
Y = 509134.177
X = 807165.366
PT STA = 316+95.59 'EB'
Y = 509188.950
X = 807350.053
DB = N74°38'18"E
DA = N72°19'27"E

CURVE 7
PI STA = 322+67.96 'EB'
Y = 509362.738
X = 807895.403
DELTA = 2°18'51" RT
D = 0°57'18"
T = 121.18'
L = 242.33'
R = 6000.00'
PC STA = 321+46.78 'EB'
Y = 509325.944
X = 807779.942
PT STA = 323+89.11 'EB'
Y = 509394.841
X = 808012.257
DB = N72°19'27"E
DA = N74°38'18"E

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 379	E

2

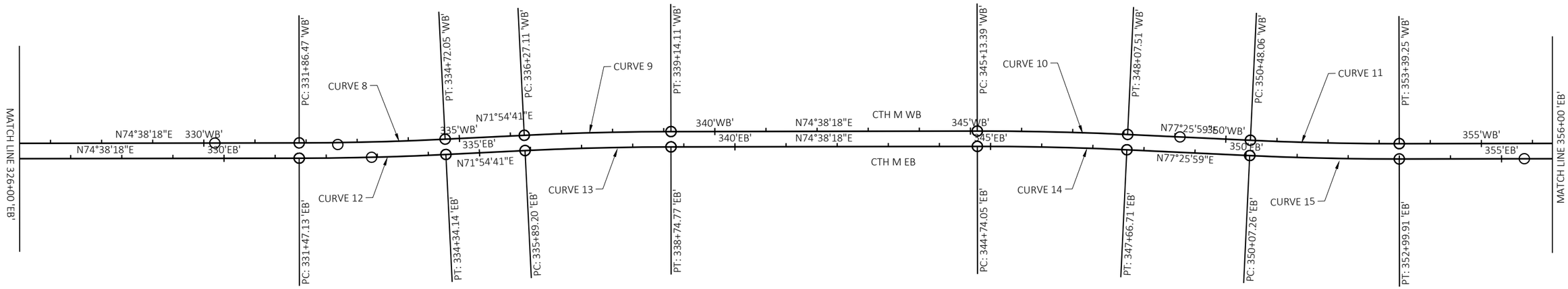
N

CURVE 8
PI STA = 333+29.29
Y = 509662.410
X = 808872.962
DELTA = 2°43'38" LT
D = 0°57'18"
T = 142.82'
L = 285.58'
R = 6000.00'
PC STA = 331+86.47
Y = 509624.576
X = 808735.247
PT STA = 334+72.05
Y = 509706.753
X = 809008.720
DB = N74°38'18"E
DA = N71°54'41"E

CURVE 9
PI STA = 337+70.64
Y = 509799.461
X = 809292.550
DELTA = 2°43'37" RT
D = 0°57'01"
T = 143.53'
L = 287.00'
R = 6030.00'
PC STA = 336+27.11
Y = 509754.897
X = 809156.117
PT STA = 339+14.11
Y = 509837.483
X = 809430.949
DB = N71°54'41"E
DA = N74°38'18"E

CURVE 10
PI STA = 346+60.48 'WB'
Y = 510035.204
X = 810150.651
DELTA = 2°47'41" RT
D = 0°57'01"
T = 147.09'
L = 294.12'
R = 6030.00'
PC STA = 345+13.39 'WB'
Y = 509996.238
X = 810008.818
PT STA = 348+07.51 'WB'
Y = 510067.207
X = 810294.216
DB = N74°38'18"E
DA = N77°25'59"E

CURVE 11
PI STA = 351+93.68 'WB'
Y = 510151.232
X = 810671.137
DELTA = 2°47'41" LT
D = 0°57'35"
T = 145.62'
L = 291.19'
R = 5970.00'
PC STA = 350+48.06 'WB'
Y = 510119.546
X = 810529.001
PT STA = 353+39.25 'WB'
Y = 510189.809
X = 810811.559
DB = N77°25'59"E
DA = N74°38'18"E



CURVE 12
PI STA = 332+90.66 'EB'
Y = 509633.671
X = 808881.597
DELTA = 2°43'38" LT
D = 0°57'01"
T = 143.53'
L = 287.01'
R = 6030.00'
PC STA = 331+47.13 'EB'
Y = 509595.648
X = 808743.194
PT STA = 334+34.14 'EB'
Y = 509678.235
X = 809018.035
DB = N74°38'18"E
DA = N71°54'41"E

CURVE 13
PI STA = 337+32.01 'EB'
Y = 509770.722
X = 809301.186
DELTA = 2°43'37" RT
D = 0°57'18"
T = 142.81'
L = 285.57'
R = 6000.00'
PC STA = 335+89.20 'EB'
Y = 509726.380
X = 809165.432
PT STA = 338+74.77 'EB'
Y = 509808.554
X = 809438.897
DB = N71°54'41"E
DA = N74°38'18"E

CURVE 14
PI STA = 346+20.41 'EB'
Y = 510006.082
X = 810157.893
DELTA = 2°47'41" RT
D = 0°57'18"
T = 146.36'
L = 292.66'
R = 6000.00'
PC STA = 344+74.05 'EB'
Y = 509967.310
X = 810016.765
PT STA = 347+66.71 'EB'
Y = 510037.926
X = 810300.743
DB = N74°38'18"E
DA = N77°25'59"E

CURVE 15
PI STA = 351+53.61 'EB'
Y = 510122.110
X = 810678.379
DELTA = 2°47'41" LT
D = 0°57'18"
T = 146.36'
L = 292.66'
R = 6000.00'
PC STA = 350+07.26 'EB'
Y = 510090.265
X = 810535.529
PT STA = 352+99.91 'EB'
Y = 510160.881
X = 810819.507
DB = N77°25'59"E
DA = N74°38'18"E

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 380	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 14
PLOT DATE : 1/30/2023 10:09 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:200 FT

2

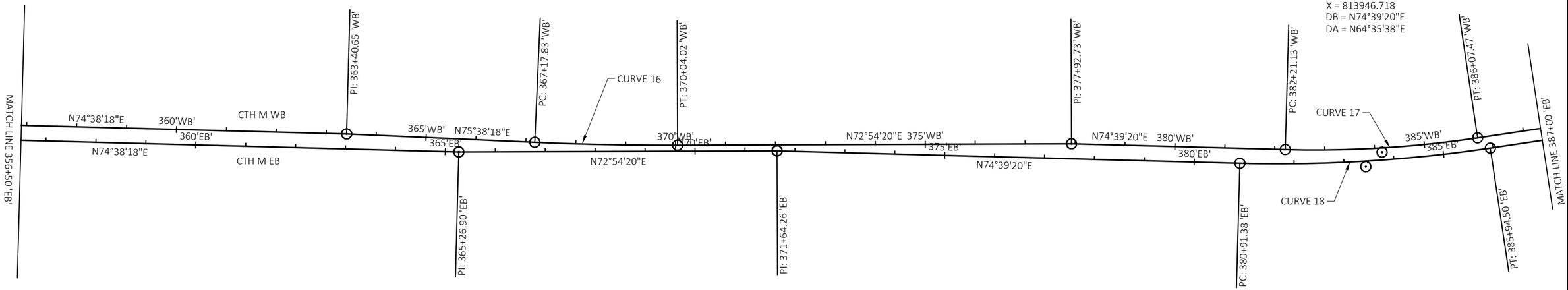
N

CURVE 16
PI STA = 368+60.95 'WB'
Y = 510584.148
X = 812281.225
DELTA = 2°43'58" LT
D = 0°57'18"
T = 143.12'
L = 286.19'
R = 6000.00'
PC STA = 367+17.83 'WB'
Y = 510548.648
X = 812142.576
PT STA = 370+04.02 'WB'
Y = 510626.219
X = 812418.023
DB = N75°38'18"E
DA = N72°54'20"E

P.I. STA=363+40.65 'WB'
Northing=510455.0906
Easting=811777.1791

P.I. STA=377+92.73 'WB'
Northing=510858.0597
Easting=813171.8880

CURVE 17
PI STA = 384+14.80 'WB'
Y = 511022.674
X = 813771.781
DELTA = 10°03'42" LT
D = 2°36'16"
T = 193.67'
L = 386.34'
R = 2200.00'
PC STA = 382+21.13 'WB'
Y = 510971.425
X = 813585.018
PT STA = 386+07.47 'WB'
Y = 511105.763
X = 813946.718
DB = N74°39'20"E
DA = N64°35'38"E



P.I. STA=365+26.89 'EB'
Northing=510485.9218
Easting=812002.6497

P.I. STA=371+64.25 'EB'
Northing=510673.2742
Easting=812611.8542

CURVE 18
PI STA = 383+43.59 'EB'
Y = 510985.354
X = 813749.147
DELTA = 10°03'42" LT
D = 1°59'59"
T = 252.21'
L = 503.11'
R = 2865.00'
PC STA = 380+91.38 'EB'
Y = 510918.614
X = 813505.932
PT STA = 385+94.50 'EB'
Y = 511093.558
X = 813976.962
DB = N74°39'20"E
DA = N64°35'38"E

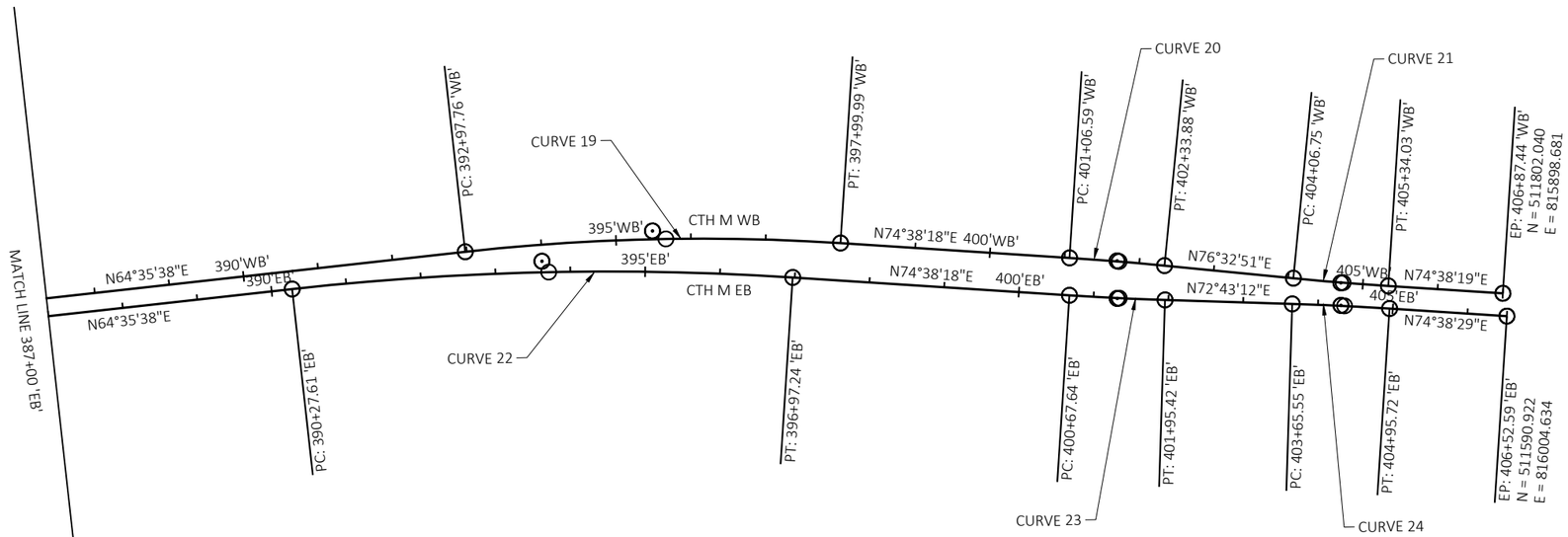
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 381	E

2

CURVE 19
PI STA = 395+49.52 'WB'
Y = 511509.933
X = 814797.662
DELTA = 10°02'40" RT
D = 2°00'00"
T = 251.76'
L = 502.23'
R = 2864.80'
PC STA = 392+97.76 'WB'
Y = 511401.920
X = 814570.250
PT STA = 397+99.99 'WB'
Y = 511576.627
X = 815040.427
DB = N64°35'38"E
DA = N74°38'18"E

CURVE 20
PI STA = 401+70.24 'WB'
Y = 511674.711
X = 815397.453
DELTA = 1°54'33" RT
D = 1°30'00"
T = 63.65'
L = 127.28'
R = 3819.72'
PC STA = 401+06.59 'WB'
Y = 511657.850
X = 815336.080
PT STA = 402+33.88 'WB'
Y = 511689.518
X = 815459.354
DB = N74°38'18"E
DA = N76°32'51"E

CURVE 21
PI STA = 404+70.40 'WB'
Y = 511744.541
X = 815689.384
DELTA = 1°54'33" LT
D = 1°30'00"
T = 63.64'
L = 127.27'
R = 3819.72'
PC STA = 404+06.75 'WB'
Y = 511729.736
X = 815627.489
PT STA = 405+34.03 'WB'
Y = 511761.400
X = 815750.752
DB = N76°32'51"E
DA = N74°38'19"E



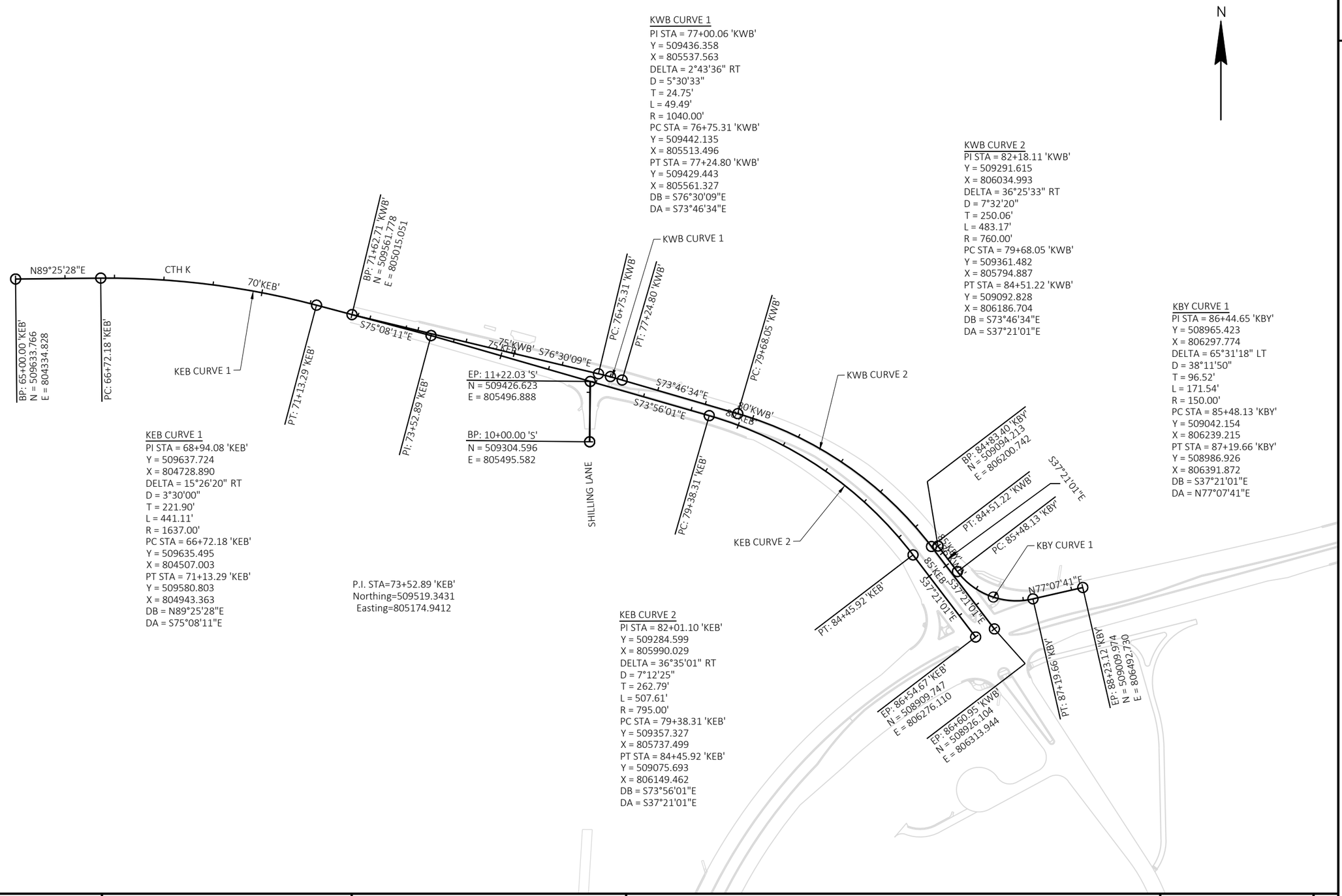
CURVE 22
PI STA = 393+63.28 'EB'
Y = 511423.392
X = 814671.399
DELTA = 10°02'40" RT
D = 1°30'00"
T = 335.67'
L = 669.62'
R = 3819.66'
PC STA = 390+27.61 'EB'
Y = 511279.378
X = 814368.190
PT STA = 396+97.24 'EB'
Y = 511512.315
X = 814995.079
DB = N64°35'38"E
DA = N74°38'18"E

CURVE 23
PI STA = 401+31.53 'EB'
Y = 511627.365
X = 815413.861
DELTA = 1°55'06" LT
D = 1°30'04"
T = 63.90'
L = 127.79'
R = 3816.68'
PC STA = 400+67.64 'EB'
Y = 511610.437
X = 815352.245
PT STA = 401+95.42 'EB'
Y = 511646.345
X = 815474.875
DB = N74°38'18"E
DA = N72°43'12"E

CURVE 24
PI STA = 404+30.64 'EB'
Y = 511716.215
X = 815699.478
DELTA = 1°55'17" RT
D = 1°28'34"
T = 65.09'
L = 130.18'
R = 3881.77'
PC STA = 403+65.55 'EB'
Y = 511696.879
X = 815637.322
PT STA = 404+95.72 'EB'
Y = 511733.456
X = 815762.247
DB = N72°43'12"E
DA = N74°38'29"E

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 382	E

2



KWB CURVE 1
PI STA = 77+00.06 'KWB'
Y = 509436.358
X = 805537.563
DELTA = 2°43'36" RT
D = 5°30'33"
T = 24.75'
L = 49.49'
R = 1040.00'
PC STA = 76+75.31 'KWB'
Y = 509442.135
X = 805513.496
PT STA = 77+24.80 'KWB'
Y = 509429.443
X = 805561.327
DB = S76°30'09"E
DA = S73°46'34"E

KWB CURVE 2
PI STA = 82+18.11 'KWB'
Y = 509291.615
X = 806034.993
DELTA = 36°25'33" RT
D = 7°32'20"
T = 250.06'
L = 483.17'
R = 760.00'
PC STA = 79+68.05 'KWB'
Y = 509361.482
X = 805794.887
PT STA = 84+51.22 'KWB'
Y = 509092.828
X = 806186.704
DB = S73°46'34"E
DA = S37°21'01"E

KBY CURVE 1
PI STA = 86+44.65 'KBY'
Y = 508965.423
X = 806297.774
DELTA = 65°31'18" LT
D = 38°11'50"
T = 96.52'
L = 171.54'
R = 150.00'
PC STA = 85+48.13 'KBY'
Y = 509042.154
X = 806239.215
PT STA = 87+19.66 'KBY'
Y = 508986.926
X = 806391.872
DB = S37°21'01"E
DA = N77°07'41"E

KEB CURVE 1
PI STA = 68+94.08 'KEB'
Y = 509637.724
X = 804728.890
DELTA = 15°26'20" RT
D = 3°30'00"
T = 221.90'
L = 441.11'
R = 1637.00'
PC STA = 66+72.18 'KEB'
Y = 509635.495
X = 804507.003
PT STA = 71+13.29 'KEB'
Y = 509580.803
X = 804943.363
DB = N89°25'28"E
DA = S75°08'11"E

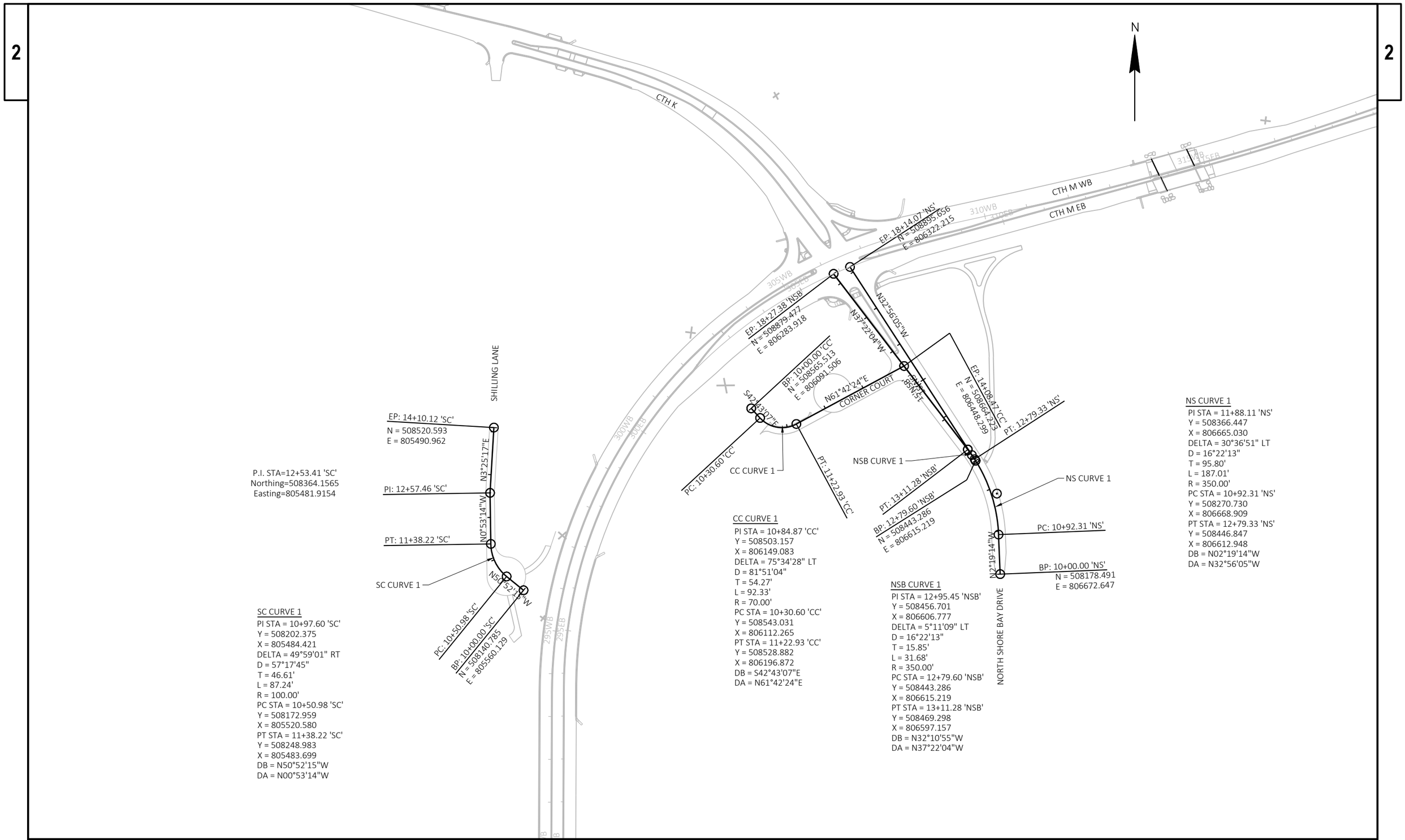
P.I. STA=73+52.89 'KEB'
Northing=509519.3431
Easting=805174.9412

KEB CURVE 2
PI STA = 82+01.10 'KEB'
Y = 509284.599
X = 805990.029
DELTA = 36°35'01" RT
D = 7°12'25"
T = 262.79'
L = 507.61'
R = 795.00'
PC STA = 79+38.31 'KEB'
Y = 509357.327
X = 805737.499
PT STA = 84+45.92 'KEB'
Y = 509075.693
X = 806149.462
DB = S73°56'01"E
DA = S37°21'01"E

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 383	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - Plan 1 IN 200 FT
PLOT DATE : 1/30/2023 10:15 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:200 FT

2



SC CURVE 1
PI STA = 10+97.60 'SC'
Y = 508202.375
X = 805484.421
DELTA = 49°59'01" RT
D = 57°17'45"
T = 46.61'
L = 87.24'
R = 100.00'
PC STA = 10+50.98 'SC'
Y = 508172.959
X = 805520.580
PT STA = 11+38.22 'SC'
Y = 508248.983
X = 805483.699
DB = N50°52'15"W
DA = N00°53'14"W

CC CURVE 1
PI STA = 10+84.87 'CC'
Y = 508503.157
X = 806149.083
DELTA = 75°34'28" LT
D = 81°51'04"
T = 54.27'
L = 92.33'
R = 70.00'
PC STA = 10+30.60 'CC'
Y = 508543.031
X = 806112.265
PT STA = 11+22.93 'CC'
Y = 508528.882
X = 806196.872
DB = S42°43'07"E
DA = N61°42'24"E

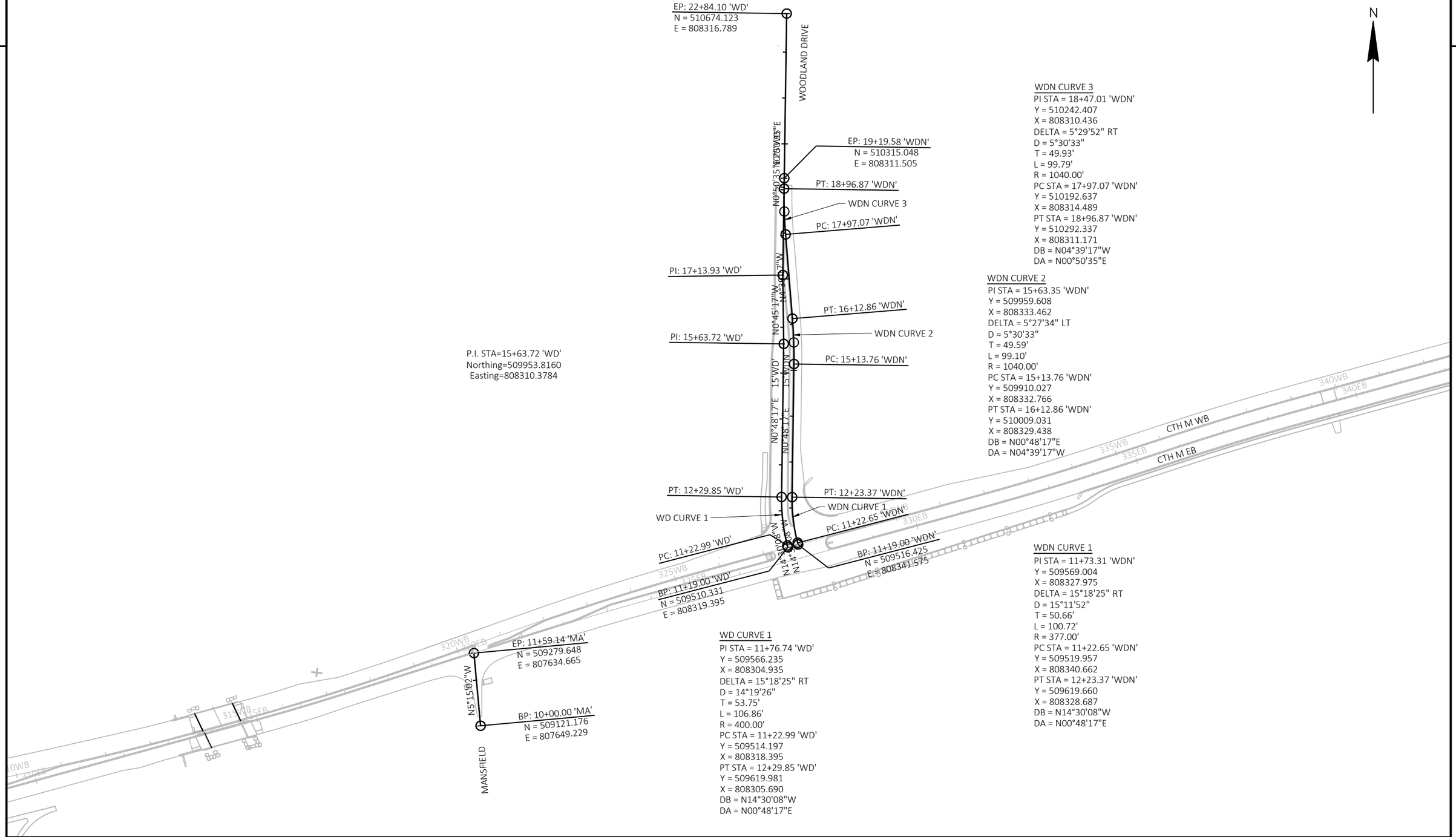
NSB CURVE 1
PI STA = 12+95.45 'NSB'
Y = 508456.701
X = 806606.777
DELTA = 5°11'09" LT
D = 16°22'13"
T = 15.85'
L = 31.68'
R = 350.00'
PC STA = 12+79.60 'NSB'
Y = 508443.286
X = 806615.219
PT STA = 13+11.28 'NSB'
Y = 508469.298
X = 806597.157
DB = N32°10'55"W
DA = N37°22'04"W

NS CURVE 1
PI STA = 11+88.11 'NS'
Y = 508366.447
X = 806665.030
DELTA = 30°36'51" LT
D = 16°22'13"
T = 95.80'
L = 187.01'
R = 350.00'
PC STA = 10+92.31 'NS'
Y = 508270.730
X = 806668.909
PT STA = 12+79.33 'NS'
Y = 508446.847
X = 806612.948
DB = N02°19'14"W
DA = N32°56'05"W

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 384	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\027203-AD.DWG
LAYOUT NAME - Plan 1 IN 200 FT (2)
PLOT DATE : 1/30/2023 10:21 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2



P.I. STA=15+63.72 'WD'
Northing=509953.8160
Easting=808310.3784

WDN CURVE 3
PI STA = 18+47.01 'WDN'
Y = 510242.407
X = 808310.436
DELTA = 5°29'52" RT
D = 5°30'33"
T = 49.93'
L = 99.79'
R = 1040.00'
PC STA = 17+97.07 'WDN'
Y = 510192.637
X = 808314.489
PT STA = 18+96.87 'WDN'
Y = 510292.337
X = 808311.171
DB = N04°39'17"W
DA = N00°50'35"E

WDN CURVE 2
PI STA = 15+63.35 'WDN'
Y = 509959.608
X = 808333.462
DELTA = 5°27'34" LT
D = 5°30'33"
T = 49.59'
L = 99.10'
R = 1040.00'
PC STA = 15+13.76 'WDN'
Y = 509910.027
X = 808332.766
PT STA = 16+12.86 'WDN'
Y = 510009.031
X = 808329.438
DB = N00°48'17"E
DA = N04°39'17"W

WD CURVE 1
PI STA = 11+76.74 'WD'
Y = 509566.235
X = 808304.935
DELTA = 15°18'25" RT
D = 14°19'26"
T = 53.75'
L = 106.86'
R = 400.00'
PC STA = 11+22.99 'WD'
Y = 509514.197
X = 808318.395
PT STA = 12+29.85 'WD'
Y = 509619.981
X = 808305.690
DB = N14°30'08"W
DA = N00°48'17"E

WDN CURVE 1
PI STA = 11+73.31 'WDN'
Y = 509569.004
X = 808327.975
DELTA = 15°18'25" RT
D = 15°11'52"
T = 50.66'
L = 100.72'
R = 377.00'
PC STA = 11+22.65 'WDN'
Y = 509519.957
X = 808340.662
PT STA = 12+23.37 'WDN'
Y = 509619.660
X = 808328.687
DB = N14°30'08"W
DA = N00°48'17"E

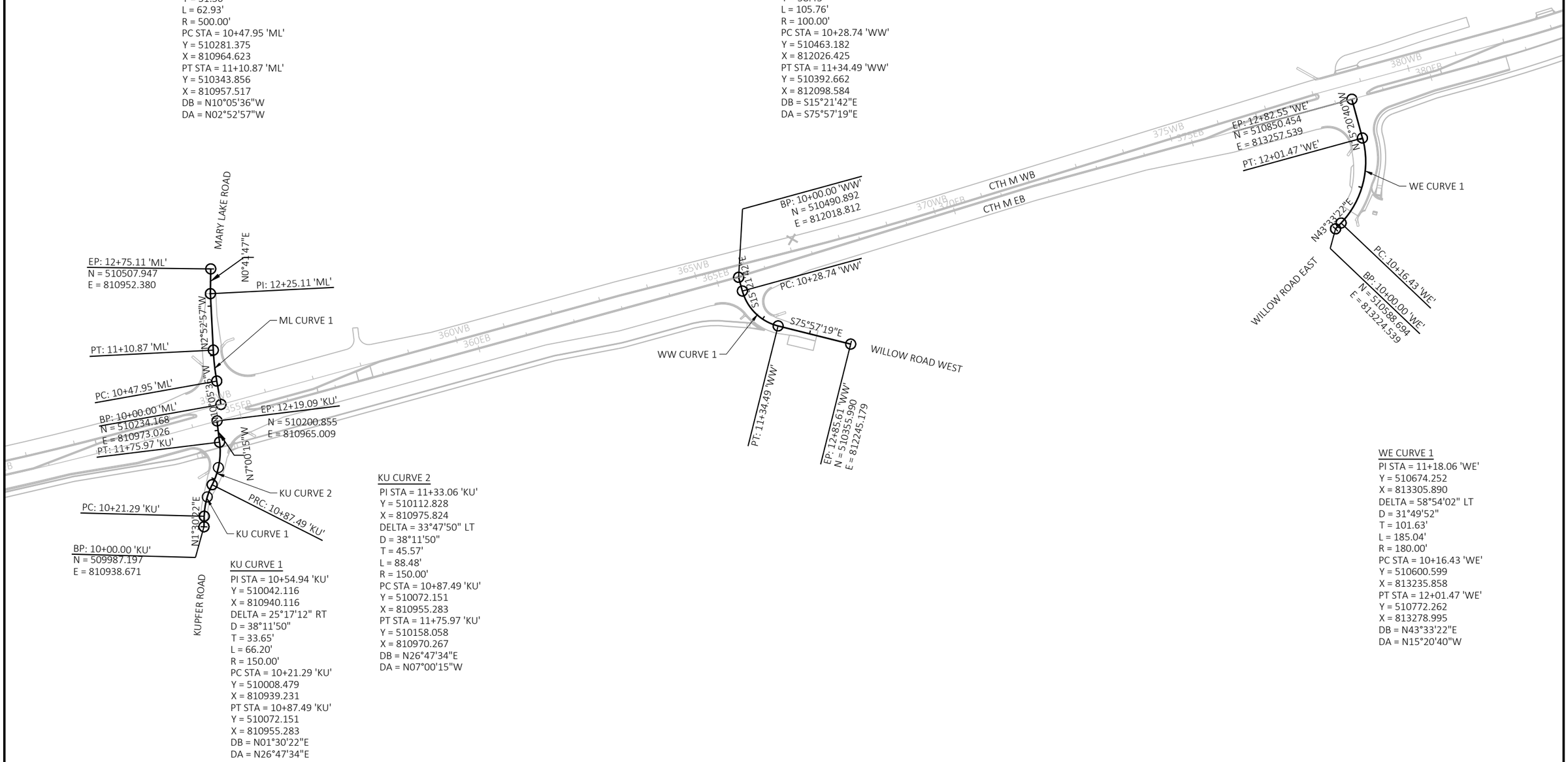
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 385	E

2

N

ML CURVE 1
PI STA = 10+79.45 'ML'
Y = 510312.391
X = 810959.101
DELTA = 7°12'38" RT
D = 11°27'33"
T = 31.50'
L = 62.93'
R = 500.00'
PC STA = 10+47.95 'ML'
Y = 510281.375
X = 810964.623
PT STA = 11+10.87 'ML'
Y = 510343.856
X = 810957.517
DB = N10°05'36"W
DA = N02°52'57"W

WW CURVE 1
PI STA = 10+87.16 'WW'
Y = 510406.841
X = 812041.903
DELTA = 60°35'37" LT
D = 57°17'45"
T = 58.43'
L = 105.76'
R = 100.00'
PC STA = 10+28.74 'WW'
Y = 510463.182
X = 812026.425
PT STA = 11+34.49 'WW'
Y = 510392.662
X = 812098.584
DB = S15°21'42"E
DA = S75°57'19"E



KU CURVE 2
PI STA = 11+33.06 'KU'
Y = 510112.828
X = 810975.824
DELTA = 33°47'50" LT
D = 38°11'50"
T = 45.57'
L = 88.48'
R = 150.00'
PC STA = 10+87.49 'KU'
Y = 510072.151
X = 810955.283
PT STA = 11+75.97 'KU'
Y = 510158.058
X = 810970.267
DB = N26°47'34"E
DA = N07°00'15"W

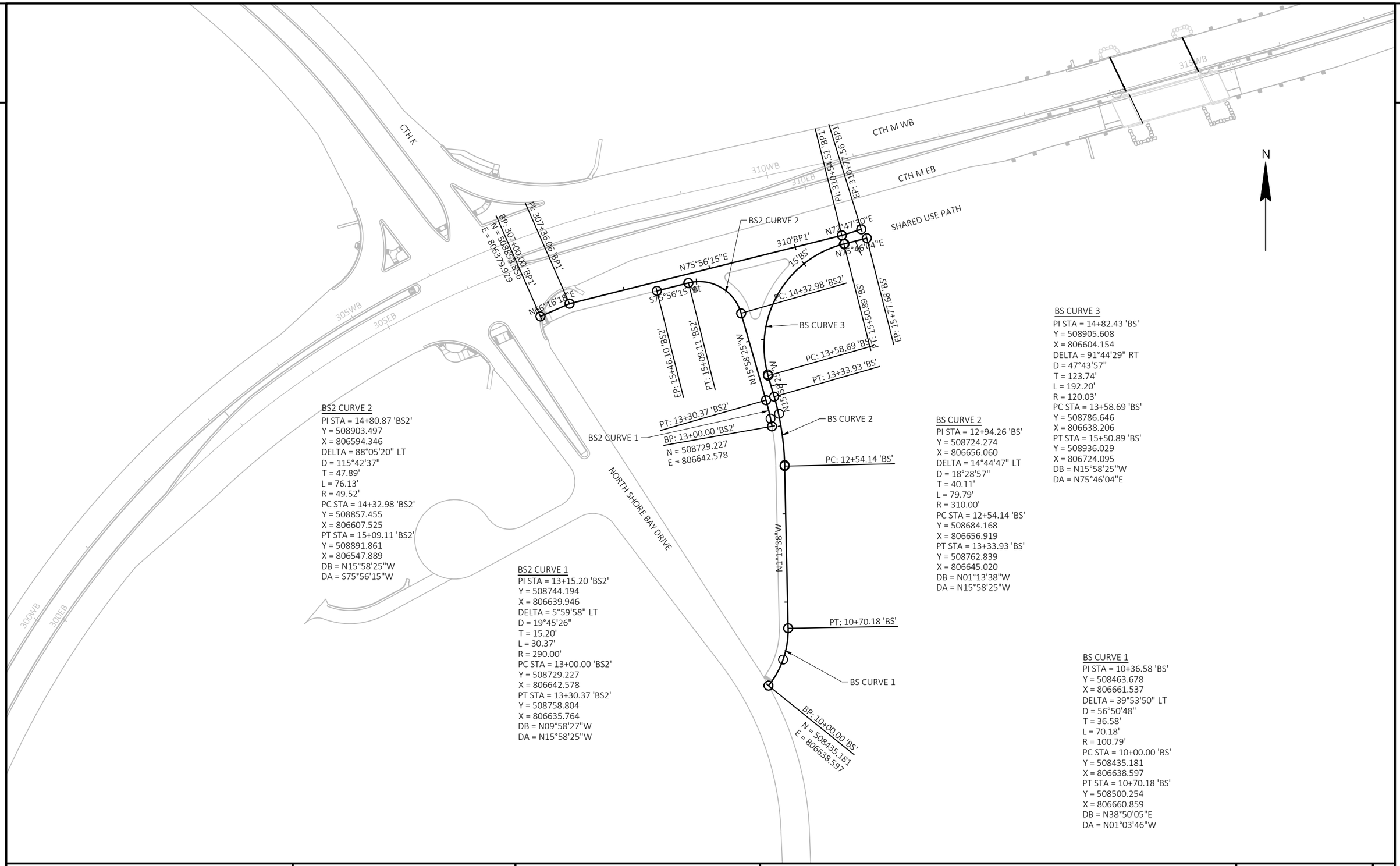
KU CURVE 1
PI STA = 10+54.94 'KU'
Y = 510042.116
X = 810940.116
DELTA = 25°17'12" RT
D = 38°11'50"
T = 33.65'
L = 66.20'
R = 150.00'
PC STA = 10+21.29 'KU'
Y = 510008.479
X = 810939.231
PT STA = 10+87.49 'KU'
Y = 510072.151
X = 810955.283
DB = N01°30'22"E
DA = N26°47'34"E

WE CURVE 1
PI STA = 11+18.06 'WE'
Y = 510674.252
X = 813305.890
DELTA = 58°54'02" LT
D = 31°49'52"
T = 101.63'
L = 185.04'
R = 180.00'
PC STA = 10+16.43 'WE'
Y = 510600.599
X = 813235.858
PT STA = 12+01.47 'WE'
Y = 510772.262
X = 813278.995
DB = N43°33'22"E
DA = N15°20'40"W

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 386	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\027203-AD.DWG
LAYOUT NAME - Plan 1 IN 200 FT (3)
PLOT DATE : 1/30/2023 10:21 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:200 FT

2



BS2 CURVE 2
PI STA = 14+80.87 'BS2'
Y = 508903.497
X = 806594.346
DELTA = 88°05'20" LT
D = 115°42'37"
T = 47.89'
L = 76.13'
R = 49.52'
PC STA = 14+32.98 'BS2'
Y = 508857.455
X = 806607.525
PT STA = 15+09.11 'BS2'
Y = 508891.861
X = 806547.889
DB = N15°58'25"W
DA = S75°56'15"W

BS2 CURVE 1
PI STA = 13+15.20 'BS2'
Y = 508744.194
X = 806639.946
DELTA = 5°59'58" LT
D = 19°45'26"
T = 15.20'
L = 30.37'
R = 290.00'
PC STA = 13+00.00 'BS2'
Y = 508729.227
X = 806642.578
PT STA = 13+30.37 'BS2'
Y = 508758.804
X = 806635.764
DB = N09°58'27"W
DA = N15°58'25"W

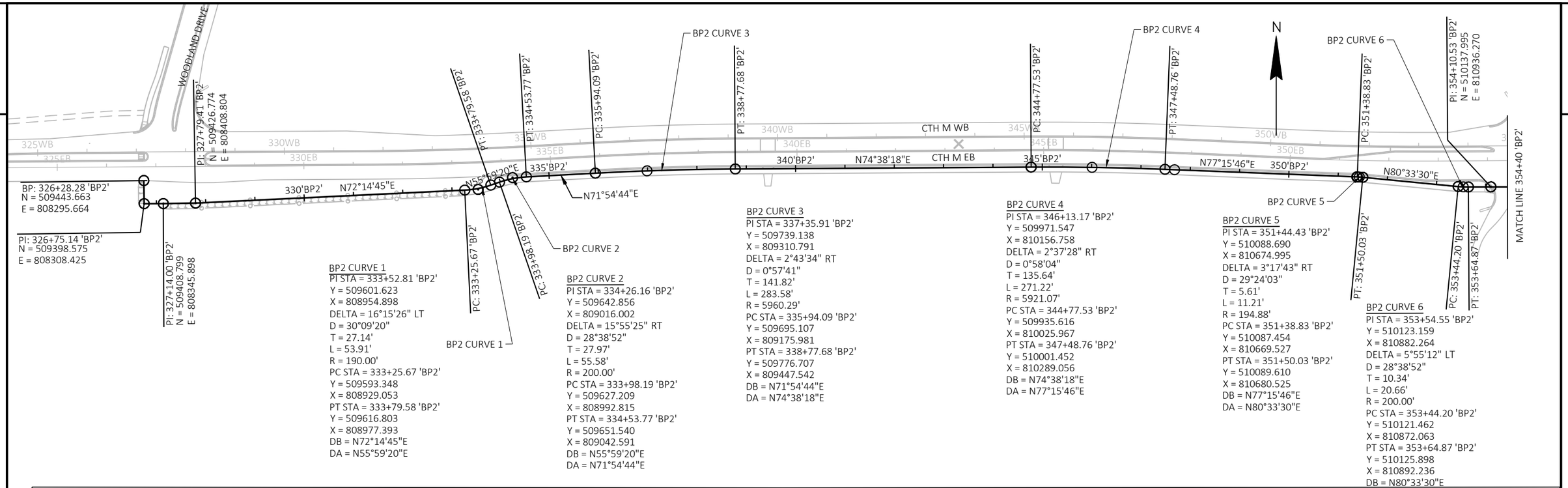
BS CURVE 2
PI STA = 12+94.26 'BS'
Y = 508724.274
X = 806656.060
DELTA = 14°44'47" LT
D = 18°28'57"
T = 40.11'
L = 79.79'
R = 310.00'
PC STA = 12+54.14 'BS'
Y = 508684.168
X = 806656.919
PT STA = 13+33.93 'BS'
Y = 508762.839
X = 806645.020
DB = N01°13'38"W
DA = N15°58'25"W

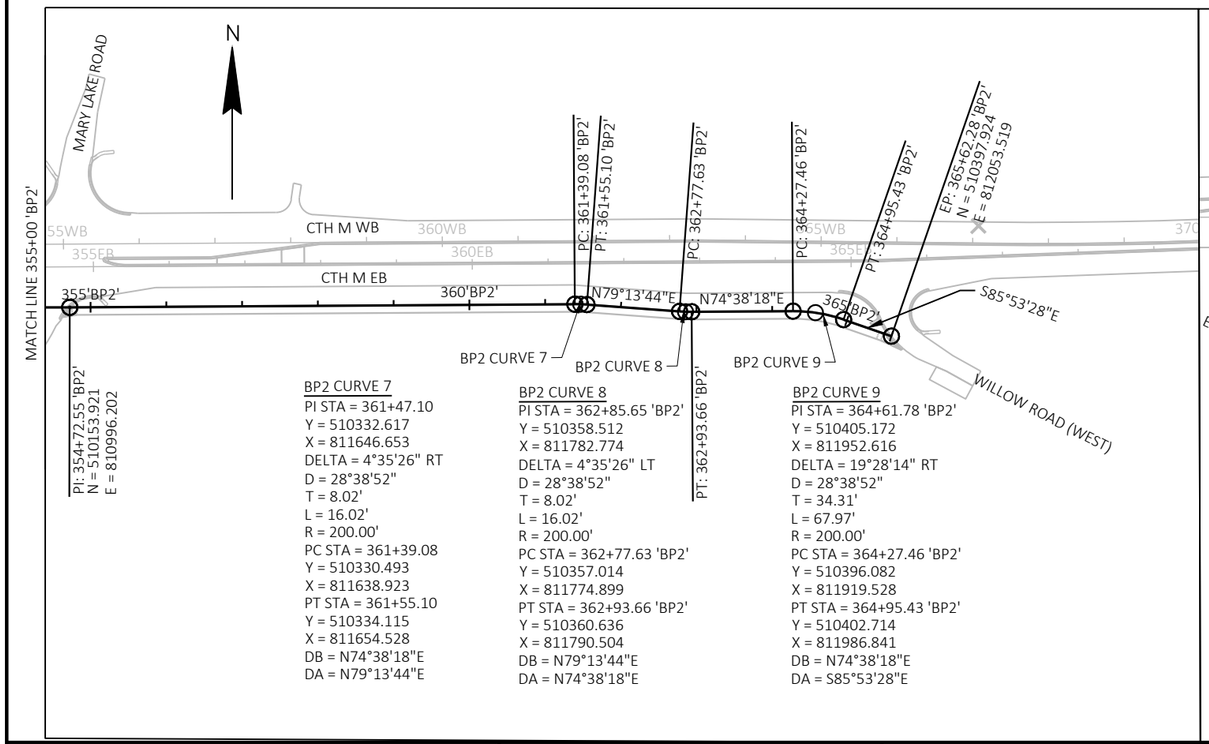
BS CURVE 3
PI STA = 14+82.43 'BS'
Y = 508905.608
X = 806604.154
DELTA = 91°44'29" RT
D = 47°43'57"
T = 123.74'
L = 192.20'
R = 120.03'
PC STA = 13+58.69 'BS'
Y = 508786.646
X = 806638.206
PT STA = 15+50.89 'BS'
Y = 508936.029
X = 806724.095
DB = N15°58'25"W
DA = N75°46'04"E

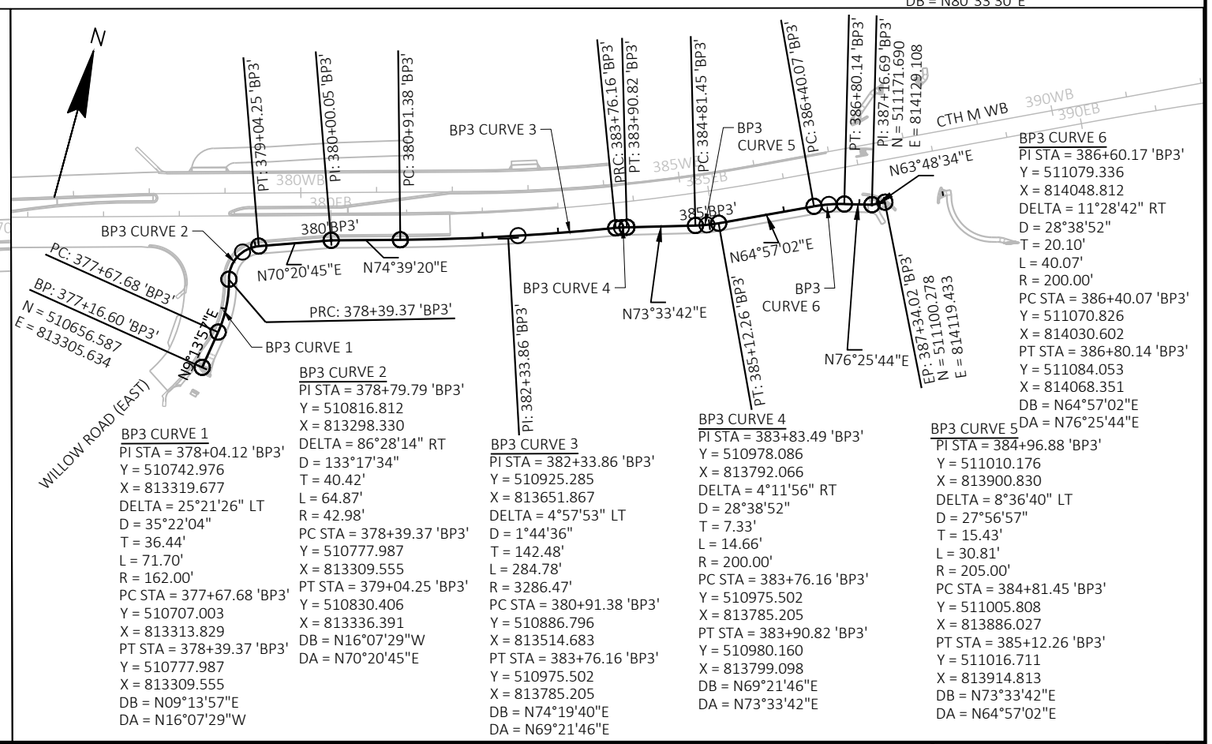
BS CURVE 1
PI STA = 10+36.58 'BS'
Y = 508463.678
X = 806661.537
DELTA = 39°53'50" LT
D = 56°50'48"
T = 36.58'
L = 70.18'
R = 100.79'
PC STA = 10+00.00 'BS'
Y = 508435.181
X = 806638.597
PT STA = 10+70.18 'BS'
Y = 508500.254
X = 806660.859
DB = N38°50'05"E
DA = N01°03'46"W

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 387	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\027204-AD.DWG
LAYOUT NAME - Plan 1 IN 200 FT (2)
PLOT DATE : 1/30/2023 10:40 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

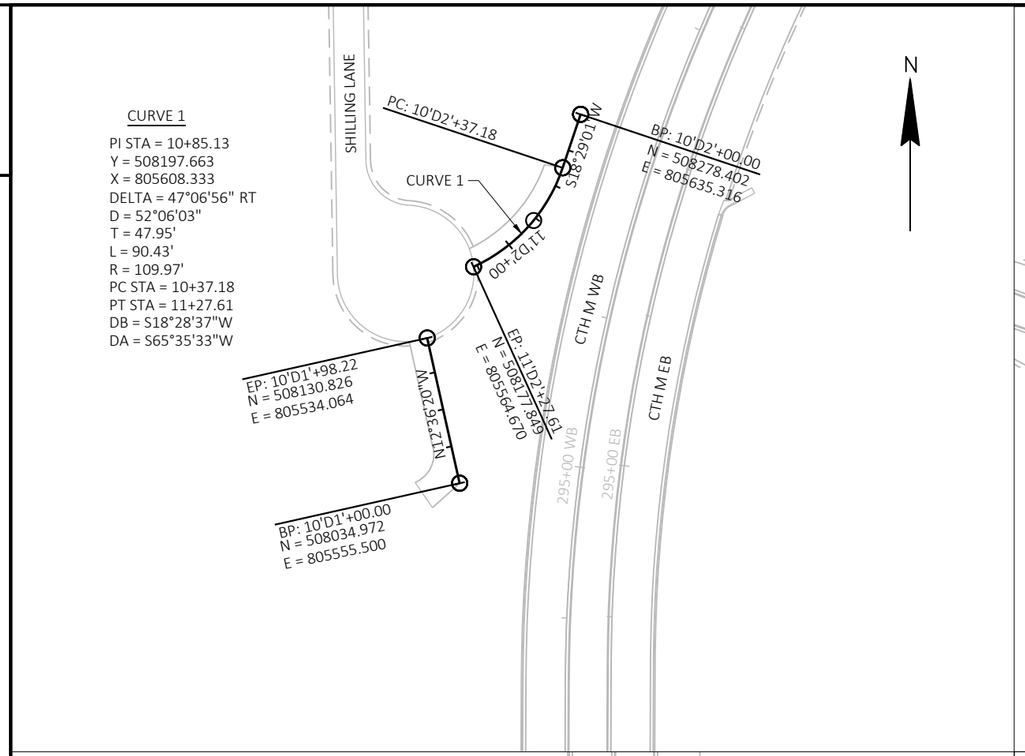


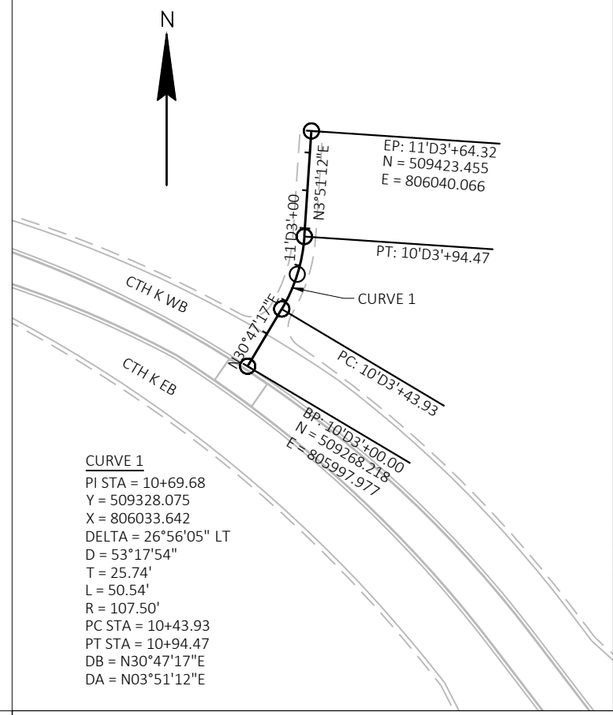


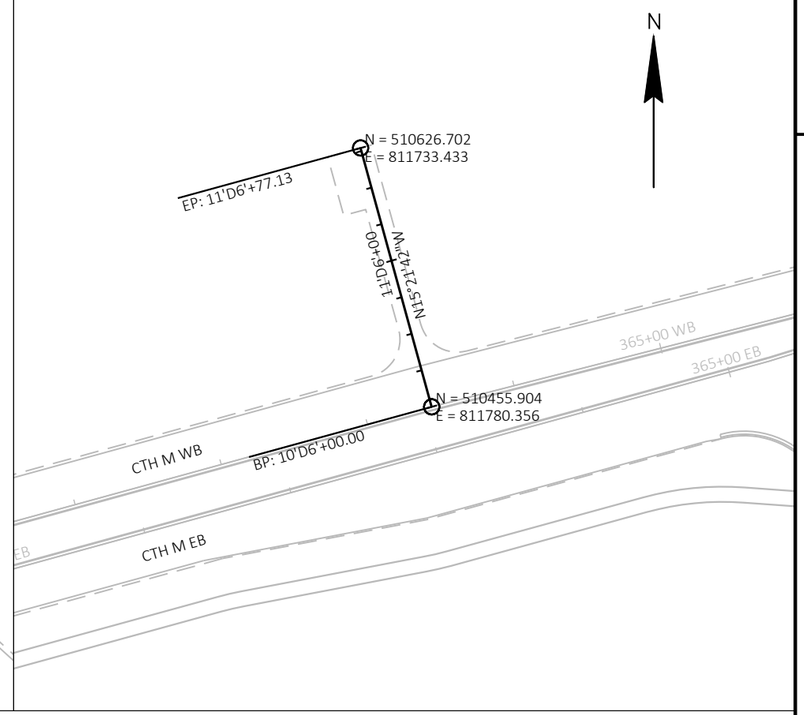


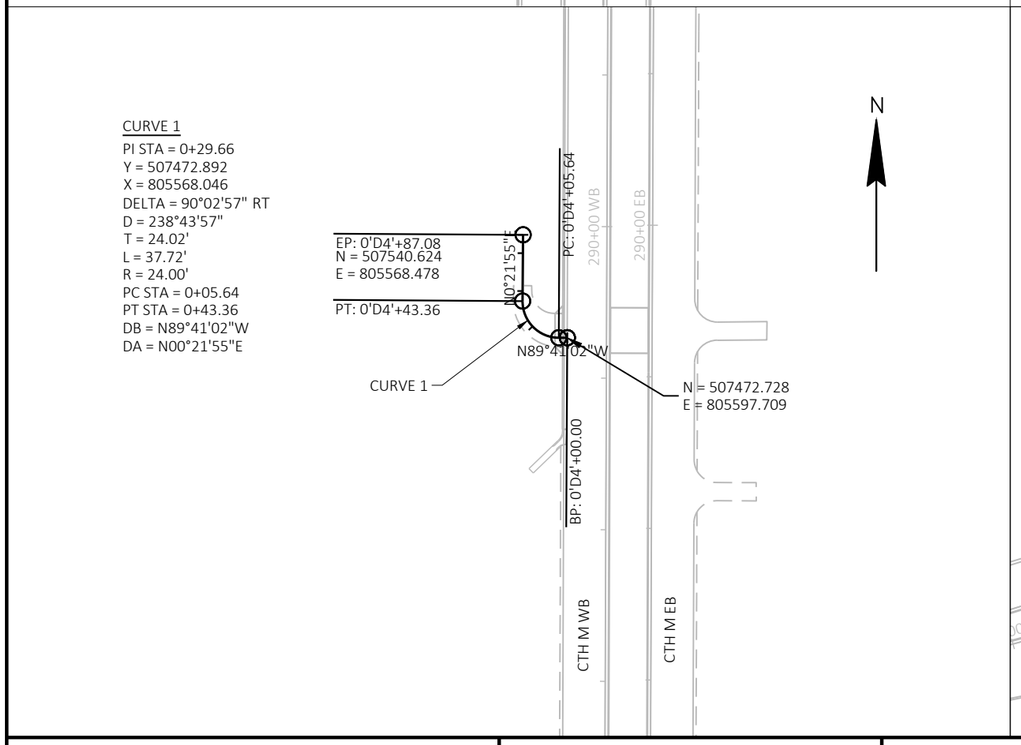
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 388	E

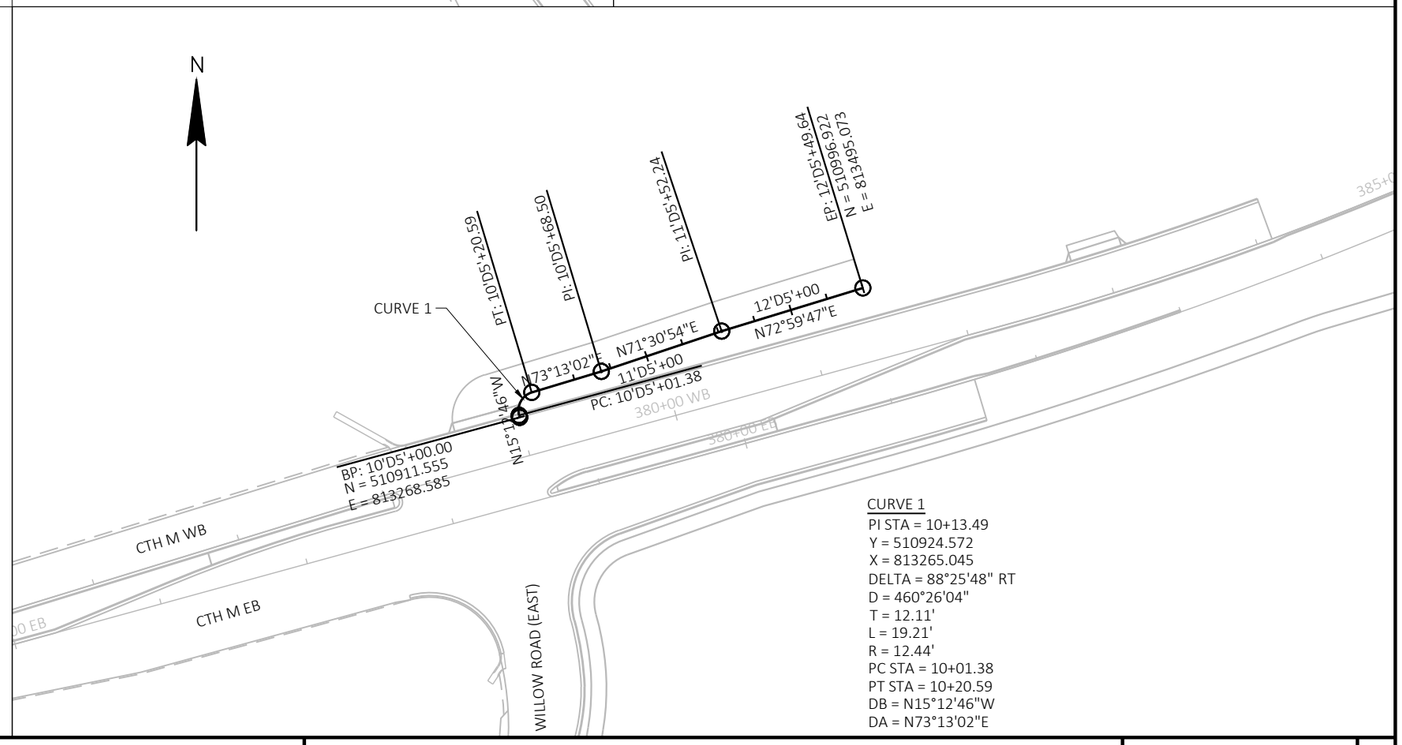
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\027204-AD.DWG
LAYOUT NAME - Plan 1 IN 200 FT
PLOT DATE : 1/30/2023 10:40 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42











PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 389	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\027205-AD.DWG
LAYOUT NAME - Plan 1 IN 100 FT
PLOT DATE : 1/30/2023 9:33 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

APPROXIMATE HORIZONTAL EXTENT OF CONTAMINATED SOIL AND GROUNDWATER.

N

NOTE: AREAS SHOWN ARE APPROXIMATE BASED ON AVAILABLE SOURCES. CONTAMINATED FROM SURFACE TO 6' BELOW GROUND SURFACE.

CTH K FLOOD PLAIN STORAGE (SEE DETAIL)

NORTH SHORE POND (SEE DETAIL)

SLOPE INTERCEPT (TYP.)

NORTH SHORE BAY DRIVE

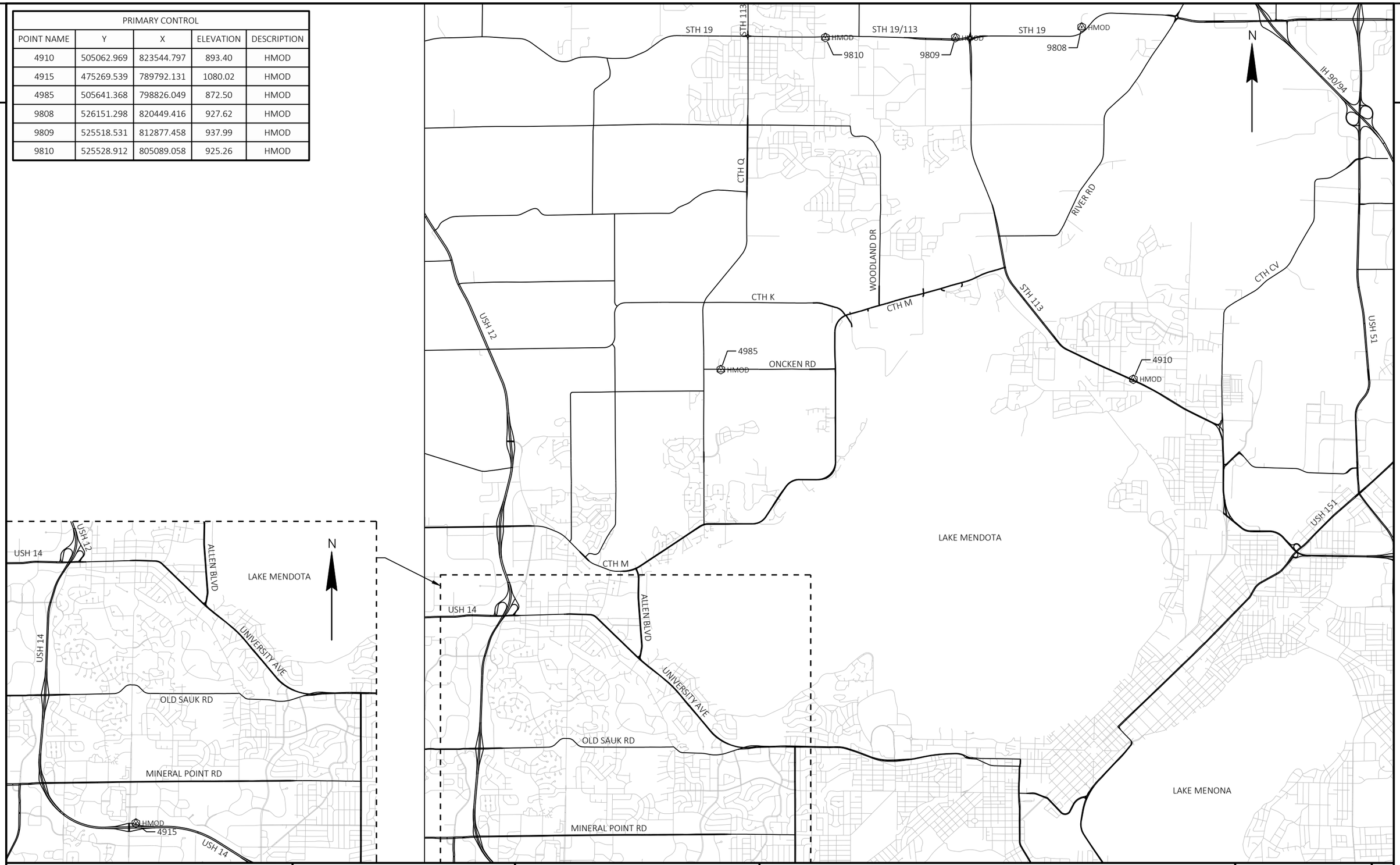
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	HAZARDOUS MATERIALS	SHEET 390	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\027301-HAZ MAT.DWG
LAYOUT NAME - Plan 1 IN 40 FT

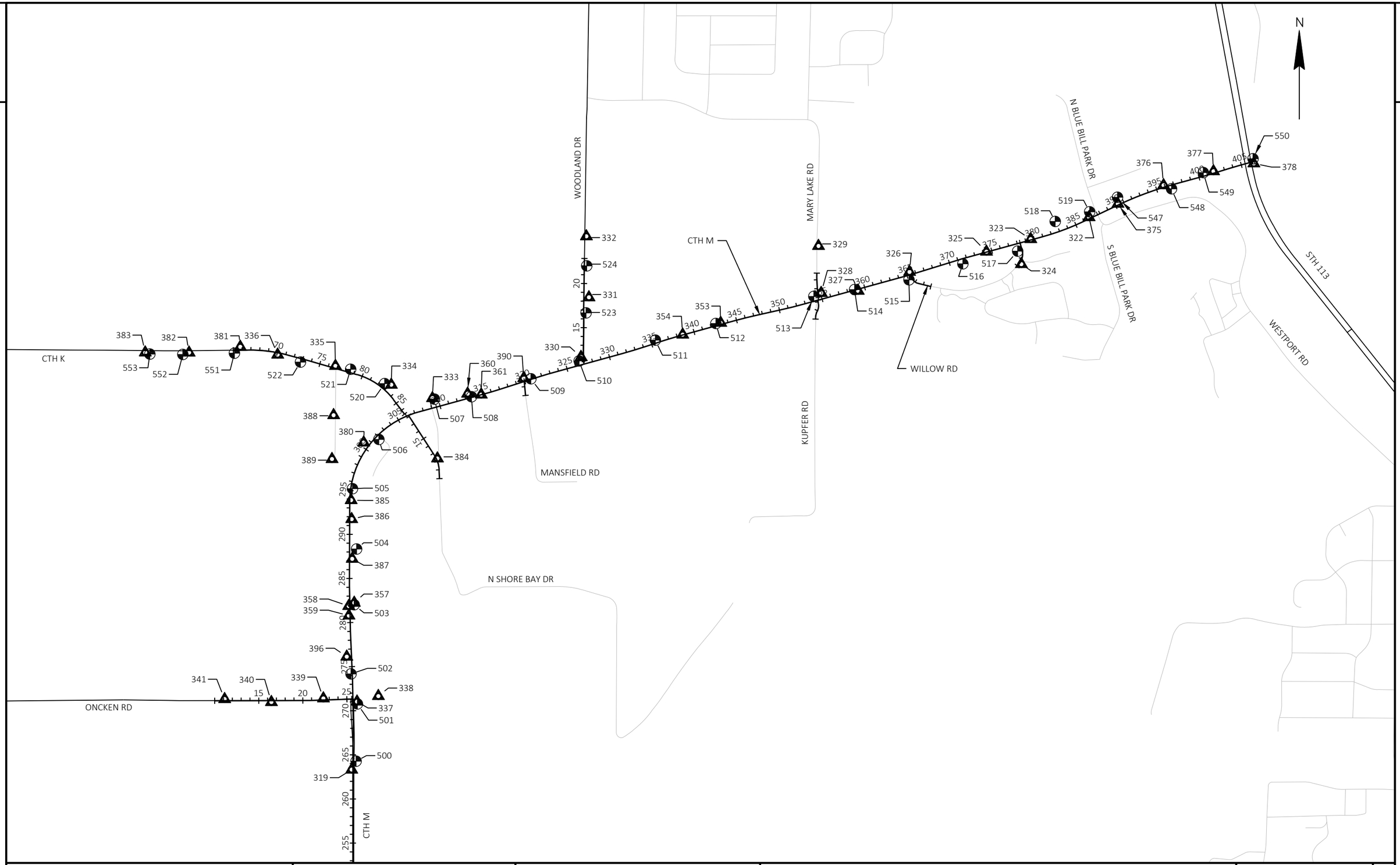
PLOT DATE : 1/11/2023 9:50 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

PRIMARY CONTROL				
POINT NAME	Y	X	ELEVATION	DESCRIPTION
4910	505062.969	823544.797	893.40	HMOD
4915	475269.539	789792.131	1080.02	HMOD
4985	505641.368	798826.049	872.50	HMOD
9808	526151.298	820449.416	927.62	HMOD
9809	525518.531	812877.458	937.99	HMOD
9810	525528.912	805089.058	925.26	HMOD



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PRIMARY CONTROL	SHEET 391 E



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	SECONDARY CONTROL	SHEET 392	E

FILE NAME : \\KL1-FS02\DATA1\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\027210-CT.DWG
LAYOUT NAME - Secondary

PLOT DATE : 1/18/2023 3:36 PM PLOT BY : GRAHAM KOTHBAUER PLOT NAME : PLOT SCALE : 1 IN:1000 FT

WISDOT/CADDS SHEET 42

SECONDARY CONTROL - HORIZONTAL CONTROL POINTS						
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS
319	263+31.70	14.51 LT	0+00.00	0.00	504879.438	805676.749
322	386+70.70	16.91 LT	0+00.00	0.00	511141.524	814038.539
323	379+60.93	9.06 LT	0+00.00	0.00	510892.829	813377.729
324	377+83.45	236.22 RT	10+44.03	22.18 RT	510609.328	813271.491
325	374+39.03	4.46 LT	0+00.00	0.00	510750.289	812875.651
326	365+37.80	33.40 LT	0+00.00	0.00	510521.053	812003.259
327	359+18.24	18.49 RT	0+00.00	0.00	510306.850	811420.638
328	355+07.19	68.50 LT	10+41.99	36.13 RT	510281.845	811001.238
329	356+19.01	590.99 LT	0+00.00	0.00	510815.290	810970.649
330	326+87.88	86.07 LT	11+70.94	31.93 LT	509556.985	808277.550
331	329+54.07	714.18 LT	18+43.95	57.53 RT	510233.166	808367.832
332	331+08.70	1388.95 LT	0+00.00	0.00	510924.795	808338.188
333	309+38.95	109.08 LT	0+00.00	0.00	509089.956	806592.631
334	305+87.57	395.83 LT	83+14.19	94.83 LT	509242.504	806126.111
335	303+19.40	909.99 LT	76+75.63	26.70 LT	509455.683	805492.467
336	301+35.38	1454.61 LT	70+08.69	21.46 RT	509583.335	804837.306
337	271+02.16	46.27 RT	0+00.00	0.00	505650.657	805737.624
338	271+60.51	289.10 RT	0+00.00	0.00	505713.386	805979.358
339	271+44.89	334.78 LT	22+33.27	17.64 LT	505686.494	805355.870
340	271+14.29	924.87 LT	16+43.11	16.57 RT	505645.232	804766.430
341	271+57.21	1454.56 LT	11+12.77	17.46 LT	505678.566	804236.047
353	343+18.09	18.51 LT	0+00.00	0.00	509943.843	809861.475
354	338+67.24	3.84 LT	0+00.00	0.00	509810.253	809430.610
357	282+22.48	49.79 RT	0+00.00	0.00	506770.557	805705.777
358	281+87.05	13.55 LT	0+00.00	0.00	506733.787	805643.204
359	280+78.68	13.47 LT	0+00.00	0.00	506625.448	805645.590
360	313+37.02	52.63 LT	0+00.00	0.00	509140.973	806991.430
361	314+83.49	1.49 LT	0+00.00	0.00	509130.466	807146.213
375	390+31.96	13.35 LT	0+00.00	0.00	511293.304	814366.408
376	395+88.83	22.43 LT	0+00.00	0.00	511503.570	814884.414
377	401+76.77	21.86 LT	0+00.00	0.00	511661.753	815450.662
378	406+40.71	21.75 RT	0+00.00	0.00	511750.887	815907.817
380	300+46.50	67.05 LT	0+00.00	0.00	508587.585	805813.878
381	300+56.50	1837.80 LT	65+79.38	37.31 LT	509671.873	804413.831
382	299+27.87	2284.44 LT	0+00.00	0.00	509606.730	803832.642
383	298+57.41	2721.82 LT	0+00.00	0.00	509607.702	803335.490
384	308+12.34	565.36 RT	12+27.02	12.30 RT	508406.069	806649.208
385	293+87.63	14.46 RT	0+00.00	0.00	507934.279	805670.202
386	291+71.77	22.09 RT	0+00.00	0.00	507718.656	805676.808
387	287+22.08	30.21 RT	0+00.00	0.00	507268.933	805683.138

SECONDARY CONTROL - HORIZONTAL CONTROL POINTS						
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS
388	300+75.00	526.99 LT	78+10.48	515.49 RT	508897.351	805472.002
389	297+56.07	293.13 LT	85+60.91	962.98 RT	508400.060	805453.712
390	319+98.96	36.96 LT	0+00.00	0.00	509316.279	807627.874
396	276+15.07	54.54 LT	0+00.00	0.00	506160.062	805620.866

NOTES:

HORIZONTAL DATUM AND ADJUSTMENT: NAD 83 (2011)
COORDINATE REFERENCE SYSTEM: WISCRS DANE CO.
VERTICAL DATUM AND ADJUSTMENT: NAVD 88 (2012)

CONTROL POINTS ARE ALL 5/8IN RB KL CAP, EXCEPT POINTS 353 AND 354 WHICH ARE 5/8 RB KL CAP.

SECONDARY CONTROL - BENCH MARK POINTS								
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
500	264+27.99	35.56 RT	0+00.00	0.00	504975.719	805726.838	879.40	CUT SQ TOP CONC WWAL NE QUAD C-13-154
501	270+76.51	50.41 RT	0+00.00	0.00	505625.080	805742.224	862.78	CUT SQ TOP E END RCCP
502	274+17.84	14.83 LT	0+00.00	0.00	505964.750	805669.114	862.11	CUT SQ TOC CTH M MEDIAN
503	282+00.94	49.02 RT	0+00.00	0.00	506749.009	805705.462	858.48	CUT SQ TOP CONC WWAL NE QUAD BOX CULVERT CTH M/SPRING CREEK
504	288+33.68	79.29 RT	0+00.00	0.00	507380.335	805732.654	863.10	RR SPIKE PPOL 21K/6/69
505	295+20.75	18.93 RT	0+00.00	0.00	508064.372	805685.730	865.41	6IN NAIL W SIDE SL45 SGN @ DWY 5257
506	301+83.23	40.57 RT	0+00.00	0.00	508622.823	805985.434	863.24	CUT X TOP BOLT METAL GRATE SW END RCCP
507	309+58.78	92.75 LT	0+00.00	0.00	509079.459	806616.076	859.65	CUT SQ NW COR CONC PAD TFSB
508	313+71.02	7.62 LT	0+00.00	0.00	509106.579	807036.139	859.78	WISDOT VT CTL ALUM DISK TOP CONC WWAL SW QUAD B-13-439-95
509	320+74.45	6.18 LT	0+00.00	0.00	509309.873	807709.148	859.02	CUT SQ TOC SW END CTH M MEDIAN
510	326+55.79	48.77 LT	11+35.05	60.57 LT	509512.518	808256.486	857.09	CUT SQ W COR CONC PAD TFSB
511	335+53.62	34.59 LT	0+00.00	0.00	509748.207	809120.867	859.64	RR SPIKE PPOL 21K-35/49
512	342+64.45	26.11 LT	0+00.00	0.00	509936.961	809807.738	862.94	RR SPIKE PPOL 21K5-C9
513	354+16.78	53.78 LT	10+19.04	52.55 LT	510243.700	810917.952	863.46	RR SPIKE PPOL W/ LPM 21K5-C1
514	358+83.12	5.75 LT	0+00.00	0.00	510320.928	811380.354	863.65	CUT SQ TOC CTH M MEDIAN
515	365+07.17	50.67 RT	10+45.02	38.45 RT	510431.834	811997.060	859.10	CUT X TOP BOLT W END RCCP
516	371+43.50	56.35 RT	0+00.00	0.00	510613.312	812608.584	856.67	MINI RR SPIKE PPOL (NO #)
517	377+82.28	83.09 RT	11+98.65	51.51 LT	510756.688	813229.838	857.14	CUT SQ W END RCCP
518	382+91.18	122.47 LT	0+00.00	0.00	511093.720	813656.052	861.61	RR SPIKE PPOL 22K6-A18
519	387+03.65	68.76 LT	0+00.00	0.00	511202.501	814046.060	863.95	CUT SQ SW COR CONC PAD TFSB
520	305+42.78	439.30 LT	82+54.76	55.32 LT	509255.387	806051.137	862.66	RR SPIKE PPOL 21K-8/53
521	303+83.92	776.57 LT	78+51.90	38.02 LT	509417.774	805664.984	862.06	RR SPIKE PPOL 20K-51/53
522	301+86.57	1208.47 LT	72+81.55	39.25 RT	509499.703	805095.928	863.40	RR SPIKE PPOL 20K-46/51
523	328+75.55	553.06 LT	16+66.58	25.78 RT	510057.007	808334.798	856.86	CUT SQ TOP N END RCCP
524	330+23.92	1064.88 LT	22+00.21	26.73 RT	510589.846	808342.280	856.61	CUT X TOP BOLT METAL GRATE N END RCCP
547	390+59.42	82.47 LT	0+00.00	0.00	511367.695	814362.218	862.40	RR SPIKE PPOL 22K6-A14
548	396+63.82	41.79 RT	0+00.00	0.00	511463.123	814974.320	860.14	CUT SQ RCCP
549	400+61.37	40.50 LT	0+00.00	0.00	511647.830	815335.479	865.45	CUT SQ CONC PAD
550	406+46.41	31.74 LT	0+00.00	0.00	511803.970	815899.148	864.62	CUT SQ CONC TFS BASE
551	300+21.07	1848.91 LT	65+12.08	33.46 RT	509600.428	804347.239	878.80	RR SPIKE IN PPOL
552	299+11.24	2335.21 LT	0+00.00	0.00	509586.344	803762.231	882.37	RR SPIKE IN PPOL
553	298+59.71	2666.90 LT	0+00.00	0.00	509590.272	803388.203	896.80	RR SPIKE IN PPOL

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Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	64.000	64.000
0004	201.0120	Clearing	ID	634.000	634.000
0006	201.0205	Grubbing	STA	84.000	84.000
0008	201.0220	Grubbing	ID	634.000	634.000
0010	203.0100	Removing Small Pipe Culverts	EACH	18.000	18.000
0012	203.0220	Removing Structure (structure) 01. (8FT-Span Pipe Arch)	EACH	1.000	1.000
0014	203.0220	Removing Structure (structure) 02. B-13-601	EACH	1.000	1.000
0016	203.0250	Removing Structure Over Waterway Remove Debris (structure) 01. B-13-439	EACH	1.000	1.000
0018	204.0110	Removing Asphaltic Surface	SY	15,770.000	15,770.000
0020	204.0150	Removing Curb & Gutter	LF	11,579.000	11,579.000
0022	204.0155	Removing Concrete Sidewalk	SY	286.000	286.000
0024	204.0165	Removing Guardrail	LF	732.000	732.000
0026	204.0170	Removing Fence	LF	870.000	870.000
0028	204.0195	Removing Concrete Bases	EACH	23.000	23.000
0030	204.0210	Removing Manholes	EACH	3.000	3.000
0032	204.0220	Removing Inlets	EACH	36.000	36.000
0034	204.0245	Removing Storm Sewer (size) 01. 12-INCH	LF	918.000	918.000
0036	204.0245	Removing Storm Sewer (size) 02. 18-INCH	LF	987.000	987.000
0038	204.0245	Removing Storm Sewer (size) 03. 24-INCH	LF	324.000	324.000
0040	204.0245	Removing Storm Sewer (size) 04. 30-INCH	LF	225.000	225.000
0042	204.0291.S	Abandoning Sewer	CY	8.000	8.000
0044	204.9060.S	Removing (item description) 01. Traffic Signals for Intersections (CTH M & CTH K)	EACH	1.000	1.000
0046	204.9060.S	Removing (item description) 02. Traffic Signals for Intersections (CTH M & Woodland Drive)	EACH	1.000	1.000
0048	204.9060.S	Removing (item description) 03. Traffic Signals for Intersections (CTH M & Blue Bill Park Drive)	EACH	1.000	1.000
0050	204.9060.S	Removing (item description) 04. Landscape Block Wall	EACH	1.000	1.000
0052	204.9090.S	Removing (item description) 01. Existing Boardwalk	LF	76.000	76.000
0054	205.0100	Excavation Common	CY	161,324.000	161,324.000
0056	205.0400	Excavation Marsh	CY	57,100.000	57,100.000
0058	206.1001	Excavation for Structures Bridges (structure) 01. B-13-895	EACH	1.000	1.000
0060	206.1001	Excavation for Structures Bridges (structure) 02. B-13-439	EACH	1.000	1.000
0062	206.2001	Excavation for Structures Culverts (structure) 01. B-13-601	EACH	1.000	1.000
0064	206.4001	Excavation for Structures Structural Plate Pipe or Pipe Arches (structure) 01. STA 368+20	EACH	1.000	1.000
0066	206.5001	Cofferdams (structure) 01. B-13-601	EACH	1.000	1.000
0068	206.5001	Cofferdams (structure) 02. B-13-895	EACH	1.000	1.000
0070	206.5001	Cofferdams (structure) 03. STA 368+20	EACH	1.000	1.000
0072	208.0100	Borrow	CY	1,973.000	1,973.000
0074	208.1100	Select Borrow	CY	85,650.000	85,650.000
0076	210.1500	Backfill Structure Type A	TON	490.000	490.000
0078	210.2500	Backfill Structure Type B	TON	1,070.000	1,070.000
0080	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 5954-00-01	EACH	1.000	1.000
0082	213.0100	Finishing Roadway (project) 01. 5954-00-01	EACH	1.000	1.000
0084	305.0110	Base Aggregate Dense 3/4-Inch	TON	2,087.000	2,087.000
0086	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	132,103.000	132,103.000
0088	310.0110	Base Aggregate Open-Graded	TON	48.000	48.000
0090	312.0110	Select Crushed Material	TON	101,589.000	101,589.000
0092	371.2000.S	QMP Base Aggregate Dense 1 1/4-Inch Compaction	EACH	118.000	118.000
0094	415.0410	Concrete Pavement Approach Slab	SY	260.000	260.000

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Line	Item	Item Description	Unit	Total	Qty
0096	416.0160	Concrete Driveway 6-Inch	SY	685.000	685.000
0098	416.1010	Concrete Surface Drains	CY	3.000	3.000
0100	450.4000	HMA Cold Weather Paving	TON	2,715.000	2,715.000
0102	455.0605	Tack Coat	GAL	10,363.000	10,363.000
0104	460.0105.S	HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	2.000	2.000
0106	460.0110.S	HMA Percent Within Limits (PWL) Test Strip Density	EACH	3.000	3.000
0108	460.2000	Incentive Density HMA Pavement	DOL	1,690.000	1,690.000
0110	460.2005	Incentive Density PWL HMA Pavement	DOL	24,660.000	24,660.000
0112	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	13,340.000	13,340.000
0114	460.2010	Incentive Air Voids HMA Pavement	DOL	41,390.000	41,390.000
0116	460.5224	HMA Pavement 4 LT 58-28 S	TON	2,290.000	2,290.000
0118	460.6223	HMA Pavement 3 MT 58-28 S	TON	24,909.000	24,909.000
0120	460.6424	HMA Pavement 4 MT 58-28 H	TON	14,098.000	14,098.000
0122	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	333.000	333.000
0124	465.0125	Asphaltic Surface Temporary	TON	3,295.000	3,295.000
0126	465.0315	Asphaltic Flumes	SY	327.000	327.000
0128	502.0100	Concrete Masonry Bridges	CY	710.000	710.000
0130	502.3200	Protective Surface Treatment	SY	836.000	836.000
0132	502.3210	Pigmented Surface Sealer	SY	232.000	232.000
0134	502.4204	Adhesive Anchors No. 4 Bar	EACH	8.000	8.000
0136	502.4205	Adhesive Anchors No. 5 Bar	EACH	485.000	485.000
0138	502.9000.S	Underwater Substructure Inspection (structure) 01. B-13-895	EACH	1.000	1.000
0140	504.0100	Concrete Masonry Culverts	CY	147.000	147.000
0142	505.0400	Bar Steel Reinforcement HS Structures	LB	29,690.000	29,690.000
0144	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	122,290.000	122,290.000
0146	505.0800.S	Bar Steel Reinforcement HS Stainless Structures	LB	320.000	320.000
0148	505.0904	Bar Couplers No. 4	EACH	27.000	27.000
0150	505.0905	Bar Couplers No. 5	EACH	356.000	356.000
0152	511.1200	Temporary Shoring (structure) 01. B-13-895	SF	595.000	595.000
0154	511.1300	Temporary Shoring (location) 01. STA 281+72.7	SF	900.000	900.000
0156	516.0500	Rubberized Membrane Waterproofing	SY	80.000	80.000
0158	520.1015	Apron Endwalls for Culvert Pipe 15-Inch	EACH	12.000	12.000
0160	520.1018	Apron Endwalls for Culvert Pipe 18-Inch	EACH	10.000	10.000
0162	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	4.000	4.000
0164	520.2024	Culvert Pipe Temporary 24-Inch	LF	57.000	57.000
0166	520.2084	Culvert Pipe Temporary 84-Inch	LF	120.000	120.000
0168	520.3315	Culvert Pipe Class III-A 15-Inch	LF	277.000	277.000
0170	520.3318	Culvert Pipe Class III-A 18-Inch	LF	246.000	246.000
0172	520.3324	Culvert Pipe Class III-A 24-Inch	LF	220.000	220.000
0174	520.8000	Concrete Collars for Pipe	EACH	7.000	7.000
0176	521.1217	Apron Endwalls for Pipe Arch Steel 17x13-Inch	EACH	4.000	4.000
0178	521.3717	Pipe Arch Corrugated Steel 17x13-Inch	LF	86.000	86.000
0180	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	13.000	13.000
0182	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	5.000	5.000
0184	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	9.000	9.000
0186	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	7.000	7.000
0188	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	2.000	2.000
0190	522.1042	Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	EACH	1.000	1.000
0192	522.2624	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 24x38-Inch	EACH	2.000	2.000

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Line	Item	Item Description	Unit	Total	Qty
0194	550.2126	Piling CIP Concrete 12 3/4 X 0.375-Inch	LF	2,000.000	2,000.000
0196	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	471.000	471.000
0198	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	24,838.000	24,838.000
0200	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	8,554.000	8,554.000
0202	601.0588	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type TBT	LF	68.000	68.000
0204	601.0590	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type TBTT	LF	21.000	21.000
0206	601.0600	Concrete Curb Pedestrian	LF	10.000	10.000
0208	602.0410	Concrete Sidewalk 5-Inch	SF	18,695.000	18,695.000
0210	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	462.000	462.000
0212	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	227.000	227.000
0214	603.8000	Concrete Barrier Temporary Precast Delivered	LF	3,360.000	3,360.000
0216	603.8125	Concrete Barrier Temporary Precast Installed	LF	3,360.000	3,360.000
0218	606.0200	Riprap Medium	CY	417.000	417.000
0220	606.0300	Riprap Heavy	CY	257.000	257.000
0222	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	1,337.000	1,337.000
0224	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	302.000	302.000
0226	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	409.000	409.000
0228	608.0321	Storm Sewer Pipe Reinforced Concrete Class III 21-Inch	LF	375.000	375.000
0230	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	491.000	491.000
0232	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	1,633.000	1,633.000
0234	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	375.000	375.000
0236	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	658.000	658.000
0238	608.0421	Storm Sewer Pipe Reinforced Concrete Class IV 21-Inch	LF	46.000	46.000
0240	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	100.000	100.000
0242	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	124.000	124.000
0244	608.0442	Storm Sewer Pipe Reinforced Concrete Class IV 42-Inch	LF	16.000	16.000
0246	608.2424	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	LF	105.000	105.000
0248	611.0530	Manhole Covers Type J	EACH	2.000	2.000
0250	611.0606	Inlet Covers Type B	EACH	2.000	2.000
0252	611.0624	Inlet Covers Type H	EACH	42.000	42.000
0254	611.0627	Inlet Covers Type HM	EACH	7.000	7.000
0256	611.0636	Inlet Covers Type HM-S	EACH	8.000	8.000
0258	611.0639	Inlet Covers Type H-S	EACH	33.000	33.000
0260	611.0642	Inlet Covers Type MS	EACH	11.000	11.000
0262	611.0666	Inlet Covers Type Z	EACH	2.000	2.000
0264	611.2005	Manholes 5-FT Diameter	EACH	5.000	5.000
0266	611.2006	Manholes 6-FT Diameter	EACH	2.000	2.000
0268	611.3004	Inlets 4-FT Diameter	EACH	29.000	29.000
0270	611.3220	Inlets 2x2-FT	EACH	2.000	2.000
0272	611.3230	Inlets 2x3-FT	EACH	56.000	56.000
0274	611.3901	Inlets Median 1 Grate	EACH	5.000	5.000
0276	611.3902	Inlets Median 2 Grate	EACH	6.000	6.000
0278	611.8115	Adjusting Inlet Covers	EACH	3.000	3.000
0280	611.8120.S	Cover Plates Temporary	EACH	8.000	8.000
0282	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	20.000	20.000
0284	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	1,258.000	1,258.000
0286	612.0806	Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	EACH	1.000	1.000
0288	614.0150	Anchor Assemblies for Steel Plate Beam Guard	EACH	8.000	8.000
0290	614.0905	Crash Cushions Temporary	EACH	3.000	3.000

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Line	Item	Item Description	Unit	Total	Qty
0292	614.2300	MGS Guardrail 3	LF	688.000	688.000
0294	614.2500	MGS Thrie Beam Transition	LF	174.000	174.000
0296	614.2610	MGS Guardrail Terminal EAT	EACH	6.000	6.000
0298	614.2620	MGS Guardrail Terminal Type 2	EACH	4.000	4.000
0300	619.1000	Mobilization	EACH	1.000	1.000
0302	620.0300	Concrete Median Sloped Nose	SF	879.000	879.000
0304	621.0100	Landmark Reference Monuments	EACH	2.000	2.000
0306	621.1200	Landmark Reference Monuments and Aluminum Covers	EACH	2.000	2.000
0308	624.0100	Water	MGAL	4,270.000	4,270.000
0310	625.0500	Salvaged Topsoil	SY	207,900.000	207,900.000
0312	627.0200	Mulching	SY	70,150.000	70,150.000
0314	628.1504	Silt Fence	LF	21,135.000	21,135.000
0316	628.1520	Silt Fence Maintenance	LF	21,135.000	21,135.000
0318	628.1905	Mobilizations Erosion Control	EACH	16.000	16.000
0320	628.1910	Mobilizations Emergency Erosion Control	EACH	8.000	8.000
0322	628.2004	Erosion Mat Class I Type B	SY	118,930.000	118,930.000
0324	628.2008	Erosion Mat Urban Class I Type B	SY	7,080.000	7,080.000
0326	628.5505	Polyethylene Sheeting	SY	8,500.000	8,500.000
0328	628.6005	Turbidity Barriers	SY	2,962.000	2,962.000
0330	628.6510	Soil Stabilizer Type B	ACRE	3.500	3.500
0332	628.7005	Inlet Protection Type A	EACH	9.000	9.000
0334	628.7015	Inlet Protection Type C	EACH	135.000	135.000
0336	628.7020	Inlet Protection Type D	EACH	37.000	37.000
0338	628.7504	Temporary Ditch Checks	LF	157.000	157.000
0340	628.7555	Culvert Pipe Checks	EACH	23.000	23.000
0342	628.7560	Tracking Pads	EACH	15.000	15.000
0344	629.0210	Fertilizer Type B	CWT	100.000	100.000
0346	630.0130	Seeding Mixture No. 30	LB	1,160.000	1,160.000
0348	630.0140	Seeding Mixture No. 40	LB	720.000	720.000
0350	630.0160	Seeding Mixture No. 60	LB	1,520.000	1,520.000
0352	630.0200	Seeding Temporary	LB	1,070.000	1,070.000
0354	630.0300	Seeding Borrow Pit	LB	280.000	280.000
0356	630.0500	Seed Water	MGAL	890.000	890.000
0358	632.0201	Shrubs (species) (size) (root) 01. Prunus Americana Diam: 9-Inch Depth: 6-Inch, size 24-Inch	EACH	154.000	154.000
0360	633.0200	Delineators Flexible	EACH	4.000	4.000
0362	633.5200	Markers Culvert End	EACH	32.000	32.000
0364	634.0612	Posts Wood 4x6-Inch X 12-FT	EACH	23.000	23.000
0366	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	37.000	37.000
0368	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	76.000	76.000
0370	634.0624	Posts Wood 4x6-Inch X 24-FT	EACH	5.000	5.000
0372	637.2210	Signs Type II Reflective H	SF	930.790	930.790
0374	637.2215	Signs Type II Reflective H Folding	SF	74.600	74.600
0376	637.2230	Signs Type II Reflective F	SF	180.500	180.500
0378	638.2602	Removing Signs Type II	EACH	201.000	201.000
0380	638.3000	Removing Small Sign Supports	EACH	166.000	166.000
0382	642.5201	Field Office Type C	EACH	1.000	1.000
0384	643.0300	Traffic Control Drums	DAY	120,510.000	120,510.000
0386	643.0420	Traffic Control Barricades Type III	DAY	12,610.000	12,610.000

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Line	Item	Item Description	Unit	Total	Qty
0388	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	45.000	45.000
0390	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	45.000	45.000
0392	643.0705	Traffic Control Warning Lights Type A	DAY	13,415.000	13,415.000
0394	643.0715	Traffic Control Warning Lights Type C	DAY	9,210.000	9,210.000
0396	643.0800	Traffic Control Arrow Boards	DAY	30.000	30.000
0398	643.0900	Traffic Control Signs	DAY	66,310.000	66,310.000
0400	643.0920	Traffic Control Covering Signs Type II	EACH	5.000	5.000
0402	643.1000	Traffic Control Signs Fixed Message	SF	152.000	152.000
0404	643.1050	Traffic Control Signs PCMS	DAY	432.000	432.000
0406	643.3105	Temporary Marking Line Paint 4-Inch	LF	48,466.000	48,466.000
0408	643.3150	Temporary Marking Line Removable Tape 4-Inch	LF	44,225.000	44,225.000
0410	643.3205	Temporary Marking Line Paint 8-Inch	LF	1,156.000	1,156.000
0412	643.3250	Temporary Marking Line Removable Tape 8-Inch	LF	1,714.000	1,714.000
0414	643.3505	Temporary Marking Arrow Paint	EACH	12.000	12.000
0416	643.3550	Temporary Marking Arrow Removable Tape	EACH	7.000	7.000
0418	643.3805	Temporary Marking Stop Line Paint 18-Inch	LF	231.000	231.000
0420	643.3850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	225.000	225.000
0422	643.5000	Traffic Control	EACH	1.000	1.000
0424	644.1810	Temporary Pedestrian Barricade	LF	192.000	192.000
0426	645.0105	Geotextile Type C	SY	290.000	290.000
0428	645.0111	Geotextile Type DF Schedule A	SY	60.000	60.000
0430	645.0120	Geotextile Type HR	SY	592.000	592.000
0432	645.0130	Geotextile Type R	SY	2,374.000	2,374.000
0434	645.0260	Geogrid Type SSR	SY	35,900.000	35,900.000
0436	646.1020	Marking Line Epoxy 4-Inch	LF	71,826.000	71,826.000
0438	646.3020	Marking Line Epoxy 8-Inch	LF	9,680.000	9,680.000
0440	646.5020	Marking Arrow Epoxy	EACH	62.000	62.000
0442	646.5120	Marking Word Epoxy	EACH	20.000	20.000
0444	646.5220	Marking Symbol Epoxy	EACH	23.000	23.000
0446	646.5320	Marking Railroad Crossings Epoxy	EACH	2.000	2.000
0448	646.6120	Marking Stop Line Epoxy 18-Inch	LF	650.000	650.000
0450	646.6464	Cold Weather Marking Epoxy 4-Inch	LF	71,826.000	71,826.000
0452	646.6468	Cold Weather Marking Epoxy 8-Inch	LF	9,681.000	9,681.000
0454	646.7120	Marking Diagonal Epoxy 12-Inch	LF	1,001.000	1,001.000
0456	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,336.000	1,336.000
0458	646.8120	Marking Curb Epoxy	LF	651.000	651.000
0460	646.8220	Marking Island Nose Epoxy	EACH	22.000	22.000
0462	646.9000	Marking Removal Line 4-Inch	LF	19,063.000	19,063.000
0464	646.9100	Marking Removal Line 8-Inch	LF	1,017.000	1,017.000
0466	646.9200	Marking Removal Line Wide	LF	366.000	366.000
0468	646.9300	Marking Removal Special Marking	EACH	23.000	23.000
0470	650.4000	Construction Staking Storm Sewer	EACH	155.000	155.000
0472	650.4500	Construction Staking Subgrade	LF	32,084.000	32,084.000
0474	650.5000	Construction Staking Base	LF	32,084.000	32,084.000
0476	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	32,564.000	32,564.000
0478	650.6000	Construction Staking Pipe Culverts	EACH	16.000	16.000
0480	650.6501	Construction Staking Structure Layout (structure) 01. B-13-439	EACH	1.000	1.000
0482	650.6501	Construction Staking Structure Layout (structure) 02. B-13-601	EACH	1.000	1.000
0484	650.6501	Construction Staking Structure Layout (structure) 03. B-13-895	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0486	650.8501	Construction Staking Electrical Installations (project) 01. 5954-00-01	EACH	1.000	1.000
0488	650.9000	Construction Staking Curb Ramps	EACH	32.000	32.000
0490	650.9500	Construction Staking Sidewalk (project) 01. 5954-00-01	EACH	1.000	1.000
0492	650.9911	Construction Staking Supplemental Control (project) 01. 5954-00-01	EACH	1.000	1.000
0494	650.9920	Construction Staking Slope Stakes	LF	32,084.000	32,084.000
0496	652.0125	Conduit Rigid Metallic 2-Inch	LF	24.000	24.000
0498	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	2,760.000	2,760.000
0500	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	2,734.000	2,734.000
0502	652.0615	Conduit Special 3-Inch	LF	220.000	220.000
0504	652.0800	Conduit Loop Detector	LF	2,658.000	2,658.000
0506	652.0900	Loop Detector Slots	LF	304.000	304.000
0508	653.0905	Removing Pull Boxes	EACH	25.000	25.000
0510	654.0101	Concrete Bases Type 1	EACH	13.000	13.000
0512	654.0102	Concrete Bases Type 2	EACH	13.000	13.000
0514	654.0105	Concrete Bases Type 5	EACH	8.000	8.000
0516	655.0230	Cable Traffic Signal 5-14 AWG	LF	1,705.000	1,705.000
0518	655.0250	Cable Traffic Signal 9-14 AWG	LF	4,002.000	4,002.000
0520	655.0260	Cable Traffic Signal 12-14 AWG	LF	2,311.000	2,311.000
0522	655.0270	Cable Traffic Signal 15-14 AWG	LF	1,158.000	1,158.000
0524	655.0320	Cable Type UF 2-10 AWG Grounded	LF	2,837.000	2,837.000
0526	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	4,596.000	4,596.000
0528	655.0610	Electrical Wire Lighting 12 AWG	LF	20,315.000	20,315.000
0530	655.0700	Loop Detector Lead In Cable	LF	11,526.000	11,526.000
0532	655.0800	Loop Detector Wire	LF	8,968.000	8,968.000
0534	655.0900	Traffic Signal EVP Detector Cable	LF	2,293.000	2,293.000
0536	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. CTH M & CTH K	EACH	1.000	1.000
0538	656.0201	Electrical Service Meter Breaker Pedestal (location) 02. CTH M & Woodland Drive	EACH	1.000	1.000
0540	657.0100	Pedestal Bases	EACH	13.000	13.000
0542	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	21.000	21.000
0544	657.0305	Poles Type 2	EACH	6.000	6.000
0546	657.0310	Poles Type 3	EACH	7.000	7.000
0548	657.0322	Poles Type 5-Aluminum	EACH	8.000	8.000
0550	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	7.000	7.000
0552	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	6.000	6.000
0554	657.0585	Trombone Arms 15-FT	EACH	2.000	2.000
0556	657.0590	Trombone Arms 20-FT	EACH	3.000	3.000
0558	657.0595	Trombone Arms 25-FT	EACH	5.000	5.000
0560	657.0614	Luminaire Arms Single Member 4-Inch Clamp 8-FT	EACH	14.000	14.000
0562	657.0615	Luminaire Arms Single Member 4 1/2-Inch Clamp 8-FT	EACH	14.000	14.000
0564	658.0173	Traffic Signal Face 3S 12-Inch	EACH	39.000	39.000
0566	658.0174	Traffic Signal Face 4S 12-Inch	EACH	8.000	8.000
0568	658.0416	Pedestrian Signal Face 16-Inch	EACH	14.000	14.000
0570	658.0500	Pedestrian Push Buttons	EACH	19.000	19.000
0572	658.5070	Signal Mounting Hardware (location) 01. CTH M & CTH K	EACH	1.000	1.000
0574	658.5070	Signal Mounting Hardware (location) 02. CTH M & Woodland Drive	EACH	1.000	1.000
0576	658.5070	Signal Mounting Hardware (location) 03. CTH M & Blue Bill Park Drive	EACH	1.000	1.000
0578	659.1115	Luminaires Utility LED A	EACH	28.000	28.000
0580	659.5000.S	Lamp, Ballast, LED, Switch Disposal by Contractor	EACH	14.000	14.000
0582	661.0201	Temporary Traffic Signals for Intersections (location) 01. CTH M & CTH K - Existing	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0584	661.0201	Temporary Traffic Signals for Intersections (location) 02. CTH M & CTH K - Proposed	EACH	1.000	1.000
0586	661.0201	Temporary Traffic Signals for Intersections (location) 03. CTH M & Woodland Drive	EACH	1.000	1.000
0588	671.0122	Conduit HDPE 2-Duct 2-Inch	LF	15,675.000	15,675.000
0590	673.0105	Communication Vault Type 1	EACH	22.000	22.000
0592	690.0150	Sawing Asphalt	LF	9,207.000	9,207.000
0594	690.0250	Sawing Concrete	LF	60.000	60.000
0596	715.0502	Incentive Strength Concrete Structures	DOL	3,960.000	3,960.000
0598	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	500.000	500.000
0600	740.0440	Incentive IRI Ride	DOL	19,850.000	19,850.000
0602	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 01. 314+50 'WB'	EACH	1.000	1.000
0604	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,000.000	2,000.000
0606	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,500.000	1,500.000
0608	SPV.0035	Special 01. Select Borrow Geogrid	CY	12,376.000	12,376.000
0610	SPV.0035	Special 02. Surcharge Earth Embankment	CY	16,900.000	16,900.000
0612	SPV.0035	Special 03. Wetland Mitigation	CY	4,300.000	4,300.000
0614	SPV.0035	Special 04. Temporary Stone Ditch Checks	CY	49.000	49.000
0616	SPV.0060	Special 01. Pond Outlet Structure	EACH	1.000	1.000
0618	SPV.0060	Special 02. Inlet Special	EACH	10.000	10.000
0620	SPV.0060	Special 03. Apron Endwall for Pipe Arch Steel 103"x71"	EACH	2.000	2.000
0622	SPV.0060	Special 04. Settlement Gauges	EACH	9.000	9.000
0624	SPV.0060	Special 05. Temporary Connection to Existing Storm Sewer	EACH	2.000	2.000
0626	SPV.0060	Special 06. Temporary Inlet Cover	EACH	6.000	6.000
0628	SPV.0060	Special 07. Helical Pile	EACH	88.000	88.000
0630	SPV.0060	Special 08. Temporary Water Diversion	EACH	1.000	1.000
0632	SPV.0060	Special 09. Reconstruct Sanitary Manhole	EACH	2.000	2.000
0634	SPV.0060	Special 10. Fish Sticks	EACH	4.000	4.000
0636	SPV.0060	Special 11. Electrical Pull Box Type I	EACH	13.000	13.000
0638	SPV.0060	Special 12. Electrical Pull Box Type III	EACH	14.000	14.000
0640	SPV.0060	Special 13. Electrical Pull Box Type V	EACH	16.000	16.000
0642	SPV.0060	Special 14. Concrete Base Type P	EACH	2.000	2.000
0644	SPV.0060	Special 15. LED Luminaire and Mounting Bracket Type 1	EACH	5.000	5.000
0646	SPV.0060	Special 16. Furnish and Install Traffic Signal Cabinet and Controller	EACH	3.000	3.000
0648	SPV.0060	Special 17. Furnish and Install Emergency Vehicle Preemption (CTH M & CTH K)	EACH	1.000	1.000
0650	SPV.0060	Special 18. Furnish and Install Emergency Vehicle Preemption (CTH M & Woodland Drive)	EACH	1.000	1.000
0652	SPV.0060	Special 19. Furnish and Install Emergency Vehicle Preemption (CTH M & Blue Bill Park Dr)	EACH	1.000	1.000
0654	SPV.0060	Special 20. Gas Main Protection (STA 368+20)	EACH	1.000	1.000
0656	SPV.0060	Special 21. Research and Locate Existing Land Parcel Monuments	EACH	4.000	4.000
0658	SPV.0060	Special 22. Verify and Replace Existing Land Parcel Monuments	EACH	4.000	4.000
0660	SPV.0060	Special 23. Utility Line Opening (ULO)	EACH	10.000	10.000
0662	SPV.0090	Special 01. Pipe Arch Corrugated Steel 103"x71"	LF	127.000	127.000
0664	SPV.0090	Special 02. Temporary Asphaltic Curb	LF	515.000	515.000
0666	SPV.0090	Special 03. Boardwalk	LF	640.000	640.000
0668	SPV.0165	Special 01. Temporary Shoring Left in Place	SF	4,700.000	4,700.000
0670	SPV.0195	Special 01. Excavation, Hauling, and Disposal of Contaminated Soil	TON	4,500.000	4,500.000
0672	SPV.0195	Special 02. Select Crush Material for Travel Corridor	TON	100.000	100.000

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CLEARING AND GRUBBING

CATEGORY	STATION	TO	STATION	LOCATION	201.0105 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID	REMARKS
0010	271+50 'WB'	-	306+38 'WB'	LT	--	--	18	--	CLEARING COMPLETED BY COUNTY
0010	271+50 'EB'	-	306+38 'EB'	RT	9	38	9	38	
0010	306+38 'WB'	-	327+55 'WB'	LT	8	--	8	--	
0010	306+38 'EB'	-	327+55 'EB'	RT	--	43	2	43	CLEARING COMPLETED BY COUNTY
0010	327+55 'WB'	-	355+00 'WB'	LT	9	136	9	136	
0010	327+55 'EB'	-	355+00 'EB'	RT	9	117	9	117	
0010	355+00 'WB'	-	385+00 'WB'	LT	11	--	11	--	
0010	355+00 'EB'	-	385+00 'EB'	RT	3	46	3	46	
0010	71+87 'K'	-	86+00 'K'	LT	7	199	7	199	
0010	11+19 'WD'	-	19+10 'WD'	RT	4	--	4	--	
0010	10+15 'KU'	-	11+80 'KU'	RT	2	--	2	--	
0010	10+00 'CC'	-	14+09 'CC'	LT/RT	1	--	1	--	
0010	10+00 'SL'	-	14+06 'SL'	LT/RT	1	55	1	55	
				PROJECT TOTAL	64	634	84	634	

REMOVING SMALL PIPE CULVERTS

CATEGORY	STATION	SIDE	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	REMARKS
0010	288+25 'EB'	RT	CTH M	1	18-INCH CMCP
0010	289+30 'EB'	RT	CTH M	1	18-INCH RCCP
0010	302+00 'EB'	RT	CTH M	1	27 INCH RCCP
0010	302+30 'WB'	LT	CTH M	1	24-INCH RCCP
0010	329+90 'EB'	RT	MANSFIELD ROAD	1	15-INCH CMCP
0010	329+35 'EB'	LT/RT	CTH M	1	24-INCH RCCP
0010	339+41 'EB'	RT	CTH M	1	15-INCH CMCP
0010	343+30 'EB'	LT	CTH M	1	18-INCH CMCP
0010	345+25 'EB'	RT	CTH M	1	18-INCH CMCP
0010	354+20 'EB'	RT	KUPFER ROAD	1	15 INCH CMCP
0010	355+00 'WB'	LT	MARY LAKE ROAD	1	8-INCH PCP
0010	358+05 'WB'	LT	CTH M	1	15-INCH CMCP
0010	365+50 'EB'	RT	WILLOW ROAD WEST	1	24-INCH RCCP
0010	367+07 'WB'	LT	CTH M	1	18-INCH CMCP
0010	78+50 'K'	RT	CTH K	1	18 INCH CMCP
0010	78+90 'K'	RT	CTH K	1	18-INCH CMCP
0010	79+05 'K'	LT/RT	CTH K	1	24-INCH CMCP
0010	83+00 'K'	LT	CTH K	1	15-INCH CMCP
			PROJECT TOTAL	18	

REMOVING STRUCTURE

CATEGORY	STATION	LOCATION	203.0220.01 REMOVING STRUCTURE (STRUCTURE) (01. (8FT-SPAN PIPE ARCH)) EACH	REMARKS
0010	368+59 'EB'	CTH M	1	
		PROJECT TOTAL	1	

REMOVING ASPHALTIC SURFACE

CATEGORY	STATION	TO	STATION	LOCATION	204.0110 REMOVING ASPHALTIC SURFACE SY	REMARKS
0010	287+00 'EB'	-	298+00 'EB'	CTH M	2,733	
0010	384+11 'WB'	-	404+76 'WB'	CTH M	6,880	
0010	381+57 'EB'	-	405+00 'EB'	CTH M	8,890	
			PROJECT TOTAL		15,770	

REMOVING CURB & GUTTER

CATEGORY	STATION	TO	STATION	LOCATION	204.0150 REMOVING CURB & GUTTER LF	* 690.0250 SAWING CONCRETE LF	REMARKS
0010	271+50 'WB'	-	309+50 'WB'	CTH M MEDIAN/RADIUS	3,241	--	
0010	309+50 'WB'	-	327+55 'WB'	CTH M MEDIAN/RADIUS	1,943	--	
0010	327+55 'WB'	-	355+00 'WB'	CTH M MEDIAN/RADIUS	1,547	--	
0010	355+00 'WB'	-	378+50 'WB'	CTH M MEDIAN/RADIUS	1,767	6	
0010	378+50 'WB'	-	405+62 'WB'	CTH M MEDIAN/RADIUS	1,938	31	
0010	11+19 'WD'	-	19+10 'WD'	WOODLAND DR	908	3	
0010	10+00 'ML'	-	12+25 'ML'	MARY LAKE RD	175	--	
0010	10+47 'WE'	-	11+25 'WE'	WILLOW ROAD EAST	60	3	
				PROJECT TOTAL	11,579	42	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

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REMOVING CONCRETE SIDEWALK

CATEGORY	STATION	TO	STATION	LOCATION	204.0155 REMOVING CONCRETE SIDEWALK SY	* 690.0250 SAWING CONCRETE LF	REMARKS
0010	271+50 'WB'	-	309+50 'WB'	CTH M	59	--	
0010	309+50 'WB'	-	327+55 'WB'	CTH M	26	--	
0010	327+55 'WB'	-	355+00 'WB'	CTH M	82	--	
0010	384+10 'WB'	-	405+62 'WB'	CTHM	91	18	
0010	307+00 'BP1'	-	310+00 'BP1'	BIKE PATH	28	--	
				PROJECT TOTAL	286	18	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING GUARDRAIL

CATEGORY	STATION	TO	STATION	LOCATION	204.0165 REMOVING GUARDRAIL LF	REMARKS
0010	271+50 'WB'	-	306+38 'WB'	CTH M LT/RT	352	
0010	306+38 'WB'	-	327+55 'WB'	CTH M LT/RT	380	
				PROJECT TOTAL	732	

REMOVING FENCE

CATEGORY	STATION	TO	STATION	LOCATION	204.0170 REMOVING FENCE LF	REMARKS
0010	271+50 'WB'	-	306+38 'WB'	CTH M LT	100	
0010	325+00 'BP2'	-	365+00 'BP2'	CTH M RT	770	PICKET FENCE
				PROJECT TOTAL	870	

REMOVING STORM SEWER

CATEGORY	STATION	TO	STATION	LOCATION	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH	204.0245.01 REMOVING STORM SEWER (12-INCH) LF	204.0245.02 REMOVING STORM SEWER (18-INCH) LF	204.0245.03 REMOVING STORM SEWER (24-INCH) LF	204.0245.04 REMOVING STORM SEWER (30-INCH) LF	204.0291.S ABANDONING SEWER CY	REMARKS
0010	272+72 'EB'	-	279+25 'EB'	CTH M LT	2	12	155	554	--	--	--	
0010	303+22 'EB'	-	303+22 'EB'	CTH M RT	--	1	45	--	--	--	--	
0010	305+65 'EB'	-	305+65 'EB'	CTH M RT	--	2	54	--	--	--	--	
0010	306+30 'WB'	-	308+50 'WB'	CTH M LT	--	--	--	216	--	--	--	
0010	308+25 'EB'	-	310+00 'EB'	CTH M RT	1	4	30	52	30	150	--	
0010	308+75 'WB'	-	311+20 'WB'	CTH M LT	--	1	--	--	232	--	--	
0010	311+25 'WB'	-	311+25 'WB'	CTH M LT	--	1	48	--	--	--	--	
0010	353+12 'EB'	-	353+12 'EB'	CTH M RT	--	1	44	--	--	--	--	
0010	356+25 'EB'	-	356+75 'EB'	CTH M RT/LT	--	1	119	--	--	--	--	
0010	375+65 'EB'	-	375+65 'EB'	CTH M RT/LT	--	2	--	--	62	--	8	
0010	380+40 'EB'	-	381+15 'EB'	CTH M RT/LT	--	3	119	--	--	--	--	
0010	381+50 'WB'	-	383+50 'WB'	CTH M LT	--	3	125	165	--	--	--	
0100	386+50 'EB'	-	387+17 'EB'	CTH M RT	--	--	57	--	--	--	--	
0010	74+60 'K'	-	74+60 'K'	CTH K	--	1	--	--	--	75	--	30"X24" CMCP
0010	12+00 'WD'	-	12+10 'WD'	WOODLAND DR	--	2	43	--	--	--	--	
0010	15+50 'WD'	-	14+50 'WD'	WOODLAND DR	--	1	38	--	--	--	--	
0010	18+20 'WD'	-	18+20 'WD'	WOODLAND DR	--	1	41	--	--	--	--	
				PROJECT TOTAL	3	36	918	987	324	225	8	

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REMOVING LANDSCAPE BLOCK WALL

CATEGORY	STATION	LOCATION	204.9060.S.04 REMOVING (ITEM DESCRIPTION) (04. LANDSCAPE BLOCK WALL) EACH	REMARKS
0010	352+70 'WB'	CTH M	1	
		PROJECT TOTAL	1	

REMOVING EXISTING BOARDWALK

CATEGORY	STATION	TO	STATION	LOCATION	204.9090.S.01 REMOVING (ITEM DESCRIPTION) (01. EXISTING BOARDWALK) LF	REMARKS
0010	327+14 'BP2'	-	327+74 'BP2'	MULTI-USE PATH	76	EXISTING BOARDWALK
				PROJECT TOTAL	76	

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EXCAVATION FOR STRUCTURES

CATEGORY	STATION	LOCATION	206.4001.01 EXCAVATION FOR STRUCTURES STRUCTURAL PLATE PIPE OR PIPE ARCHES (STRUCTURE) (01. STA 368+20) EACH	REMARKS
0010	368+20 'EB'	CTH M	1	
		PROJECT TOTAL	1	

COFFERDAMS

CATEGORY	STATION	SIDE	LOCATION	206.5001.03 COFFERDAMS (STRUCTURE) (03. STA 368+20) EACH	REMARKS
0010	368+20 'EB'	LT/RT	Unname Tributary	1	INCLUDES TWO LOCATIONS
			PROJECT TOTAL	1	

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION (3)	SALVAGED/ UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	205.0400 MARSH EXCAVATION (6)	REDUCED EBS IN FILL (10) FACTOR 0.80	EXPANDED MARSH BACKFILL (11) FACTOR 1.50	EXPANDED EBS BACKFILL (12) FACTOR 1.30	UNEXPANDED FILL	EXPANDED FILL (15) FACTOR 1.25	MASS ORDINATE +/- (16)	WASTE	COMMENT
CAT 0010															
STAGE 1	302+50 'EB' - 312+50 'EB'	CTH M MEDIAN	647	0	0	647	0	0	0	0	0	0	647	647	TEMPORARY PAVEMENT
STAGE 1	320+75 'EB' - 339+00 'EB'	CTH M MEDIAN/WIDENING	1,097	0	0	1,097	0	0	0	0	360	450	647	647	TEMPORARY PAVEMENT
STAGE 1	349+00 'EB' - 358+80 'EB'	CTH M MEDIAN	622	0	0	622	0	0	0	0	0	0	622	622	TEMPORARY PAVEMENT
STAGE 1	376+00 'EB' 386+50 'EB'	CTH M MEDIAN	1,042	0	0	1,042	0	0	0	0	0	0	1,042	1,042	TEMPORARY PAVEMENT
	STAGE 1 TEMP PAVEMENT SUBTOTAL		3,408	0	0	3,408	0	0	0	0	360	450	2,958	2,958	
STAGE 1	275+00 'EB' - 288+00 'EB'	CTH M WB	10,264	768	0	10,264	6,709	614	10,064	998	7,383	8,461	1,803	1,803	
STAGE 1	310+00 'EB' - 319+00 'EB'	CTH M EB	473	1,248	0	473	5,468	998	8,202	1,622	2,716	2,147	-1,674	0	
STAGE 1	321+00 'EB' 336+00 'EB'	CTH M WB	9,025	0	0	9,025	31,324	0	46,986	0	756	945	21,023	21,023	INCLUDES TEMPORARY PAVEMENT
STAGE 1	12+00 'WD' - 17+00 'WD'	WOODLAND DRIVE	3,785	0	499	3,286	7,780	0	11,670	0	347	434	5,379	5,379	INCLUDES TEMPORARY PAVEMENT
		UNDISTRIBUTED EBS		500											
DIVISION 1 OVERALL PROJECT SUBTOTAL			26,955	2,516	499	26,456	51,281	1,613	76,922	2,621	11,562	12,437	29,489	31,163	
STAGE 2	301+00 'EB' - 308+00 'EB'	CTH M EB	2,858	0	261	2,597	0	0	0	0	455	569	2,028	2,028	
STAGE 2	10+00 'SC' - 14+00 'SC'	SHIFTING CUL DE SAC	555	0	84	471	0	0	0	0	16	20	451	451	
STAGE 2	10+50 'CC' - 13+50 'CC'	CORNER COURT	5,753	0	0	5,753	0	0	0	0	0	0	5,753	5,753	
STAGE 2	10+00 'NS' - 17+00 'NS'	NORTH SHORE BAY DRIVE	6,307	0	194	6,113	0	0	0	0	318	398	5,715	5,715	
STAGE 2	17+00 'WD' - 19+00 'WD'	WOODLAND DRIVE	1,235	0	0	1,235	0	0	0	0	220	275	960	960	TEMPORARY PAVEMENT REMOVAL PAID AS REMOVING ASHPALTIC SURFACE
STAGE 2	10+50 'ML' 12+00 'ML'	MARY LAKE ROAD	811	0	92	719	0	0	0	0	183	229	491	491	
		UNDISTRIBUTED EBS		500											
DIVISION 2 OVERALL PROJECT SUBTOTAL			17,519	500	631	16,888	0	0	0	0	1,192	1,490	15,398	15,398	
STAGE 3	72+00 'K' - 85+50 'K'	CTH K	18,847	0	1,029	17,818	0	0	0	0	1,219	1,524	16,294	16,294	
STAGE 3	271+00 'EB' 275+00 'EB'	CTH M WB	4,617	0	0	4,617	0	0	0	0	21	26	4,591	4,591	
STAGE 3	288+00 'EB' - 313+60 'EB'	CTH M WB	28,214	170	780	27,434	8	136	12	221	2,252	2,645	24,789	24,789	
STAGE 3	314+75 'EB' - 321+00 'EB'	CTH M WB	2,680	0	369	2,311	22	0	33	0	439	549	1,763	1,763	
STAGE 3	336+00 'EB' - 383+70 'EB'	CTH M WB	21,239	5,818	1,095	20,144	5,789	4,654	8,684	7,563	14,501	12,308	7,835	7,835	
		UNDISTRIBUTED EBS		1,000											
DIVISION 3 OVERALL PROJECT SUBTOTAL			75,597	6,988	3,273	72,324	5,819	4,790	8,729	7,784	18,432	17,052	55,272	55,272	
STAGE 4	271+00 'EB' - 301+00 'EB'	CTH M EB	7,602	0	1,900	5,702	0	0	0	0	4,984	6,230	-528	0	
STAGE 4	308+00 'EB' - 310+00 'EB'	CTH M EB	966	0	0	966	0	0	0	0	48	60	906	906	
STAGE 4	319+00 'EB' - 387+00 'EB'	CTH M EB	18,935	284	3,736	15,199	0	227	0	369	16,757	20,662	-5,463	0	
STAGE 4	10+25 'MA' - 10+75 'MA'	MANSFIELD ROAD	64	0	0	64	0	0	0	0	0	0	64	64	
STAGE 4	10+15 'KU' 11+20 'KU'	KUPFER ROAD	50	0	0	50	0	0	0	0	249	311	261	0	
STAGE 4	11+00 'WW' - 12+00 'WW'	WILLOW ROAD WEST	142	0	0	142	0	0	0	0	57	71	71	71	
STAGE 4	10+50 'WE' - 12+00 'WE'	WILLOW ROAD EAST	428	0	66	362	0	0	0	0	118	148	214	214	
STAGE 4	10+00 'BS' - 15+50 'BS'	BIKE PATH SPUR 1	1,278	0	103	1,175	0	0	0	0	10	13	1,175	1,175	
		UNDISTRIBUTED EBS		1,500											
DIVISION 4 OVERALL PROJECT SUBTOTAL			29,465	1,784	5,805	23,660	0	227	0	369	22,223	27,495	-3,823	2,430	
STAGE 5	382+00 'EB' - 386+60 'EB'	CTH M MEDIAN	0	0	0	0	0	0	0	0	172	215	-215	0	TEMPORARY PAVEMENT REMOVAL PAID AS REMOVING ASHPALTIC SURFACE
DIVISION 5 OVERALL PROJECT SUBTOTAL			0	0	0	0	0	0	0	0	172	215	-215	0	
GRAND TOTAL			149,536	11,788	10,209	139,327	57,100	6,630	85,650	10,774	53,581	58,688	96,121	104,263	
TOTAL COMMON EXC			161,324												

NOTES:

CONTINUED ON NEXT PAGE

DIVISION	FROM/TO STATION	LOCATION	SPV.0035.01 SELECT BORROW GEOGRID (7)	208.0100 BORROW (8)	EXPANDED SELECT BORROW GEOGRID (13) FACTOR 1.30	BORROW (14) FACTOR 1.30	COMMENT
CAT 0010							
STAGE 1	275+00 'EB' - 288+00 'EB'	CTH M WB	0	0	0	0	
STAGE 1	310+00 'EB'- 319+00 'EB'	CTH M EB	0	0	0	0	
STAGE 1	321+00 'EB' - 336+00 'EB'	CTH M WB	7,965	1,518	10,355	1,973	INCLUDES TEMPORARY PAVEMENT
STAGE 1	12+00 'WD' - 17+00 'WD'	WOODLAND DRIVE UNDISTRIBUTED EBS	1,555	0	2,022	0	INCLUDES TEMPORARY PAVEMENT
DIVISION 1 OVERALL PROJECT SUBTOTAL			9,520	1,518	12,376	1,973	
DIVISION 2 OVERALL PROJECT SUBTOTAL			0	0	0	0	
DIVISION 3 OVERALL PROJECT SUBTOTAL			0	0	0	0	
DIVISION 4 OVERALL PROJECT SUBTOTAL			0	0	0	0	
DIVISION 5 OVERALL PROJECT SUBTOTAL			0	0	0	0	
PROJECT TOTAL			9,520	1,518	12,376	1,973	

NOTES:

(1) COMMON EXCAVATION 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 CRUSH.
(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL
5) AVAILABLE MATERIAL CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL
(6) MARSH EXCAVATION TO BE BACKFILLED WITH SELECT BORROW MATERIAL. ITEM NUMBER 205.0500
(7) SELECT BORROW GEOGRID ITEM NUMBER SPV.0035.01 - MATERIAL TO BE USED BELOW SELECT CRUSH AND 1' ABOVE EXISTING GROUND FOR GEOGRID INSTALLATION
(8) BORROW - MATERIAL REQUIRED BETWEEN TEMPORARY PAVEMENT AND GEOGRID (SEE CONSTRUCTION DETAIL - PARTIAL MARSH EXCAVATION WITH GEOGRID)
(9) REDUCED MARSH IN FILL - EXCAVATED MARSH MATERIAL TO BE WASTED
(10) REDUCED EBS IN FILL - EXCAVATED EBS MATERIAL IS USABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.80
(11) EXPANDED MARSH BACKFILL - THIS IS TO BE FILLED WITH SELECT BORROW MATERIAL. MARSH BACKFILL FACTOR 1.50. ITEM NUMBER 208.1100
(12) EXPANDED EBS BACKFILL - THIS IS TO BE FILLED WITH SELECT CRUSH MATERIAL. EBS BACKFILL FACTOR = 1.30. ITEM NUMBER 312.0110
(13) EXPANDED SELECT BORROW GEOGRID FACTOR = 1.30
(14) BORROW - MATERIAL REQUIRED BETWEEN TEMPORARY PAVEMENT AND GEOGRID (SEE CONSTRUCTION DETAIL - PARTIAL MARSH EXCAVATION WITH GEOGRID)
(15) EXPANDED FILL FACTOR = 1.25
(16) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATER
(17) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

BASE AGGREGATE (1 OF 2)

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	* 305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110 SELECT CRUSHED MATERIAL TON	REMARKS
	STAGE 1								
0010		275+00 'WB'	-	288+00 'WB'	EBS	--	--	1,383	
0010		310+00 'EB'	-	319+00 'EB'	EBS	--	--	2,247	
0010		11+19 'WD'	-	19+10 'WD'	WOODLAND DR	--	1,778	3,552	
0010		UNDISTRIBUTED (EBS)				--	--	900	
					STAGE 1 SUBTOTAL	--	1,778	8,082	
	STAGE 2								
0010		302+19 'EB'	-	308+27 'EB'	CTH M	9	4,040	3,338	
0010		311+05 'EB'	-	320+08 'EB'	CTH M	58	3,562	2,781	
0010		326+93 'WB'	-	328+80 'WB'	CTH M	--	1,868	1,586	
0010		354+40 'WB'	-	355+86 'WB'	CTH M	--	1,349	1,144	
0010		10+20 'MA'	-	10+85 'MA'	MANSFIELD RD	4	121	--	
0010		10+00 'SL'	-	14+06 'SL'	SHILLING LANE CUL-DE-SAC	33	1,293	--	
0010		12+53 'NS'	-	18+14 'NS'	NORTH SHORE BAY DR	67	2,013	--	
0010		11+19 'WD'	-	19+10 'WD'	WOODLAND DR	25	1,872	--	
0010		10+00 'ML'	-	12+25 'ML'	MARY LAKE RD	24	357	--	
0010		UNDISTRIBUTED (EBS)				--	--	900	
					STAGE 2 SUBTOTAL	220	16,475	9,749	
	STAGE 3								
0010		272+08 'WB'	-	307+98 'WB'	CTH M	146	13,670	10,931	
0010		307+98 'WB'	-	312+72 'WB'	CTH M	34	2,834	2,239	CTH K CLOSED
0010		312+72 'WB'	-	326+93 'WB'	CTH M	83	6,031	4,761	
0010		328+79 'WB'	-	354+40 'WB'	CTH M	137	10,728	8,262	
0010		355+85 'WB'	-	378+57 'WB'	CTH M	126	9,749	7,573	
0010		378+57 'WB'	-	384+10 'WB'	CTH M	--	2,526	2,138	
0010		71+87 'K'	-	81+66 'K'	CTH K	97	6,222	5,083	CTH K CLOSED
0010		81+66 'K'	-	86+54 'K'	CTH K	36	4,131	3,548	CTH K CLOSED
0010		10+00 'NS'	-	12+53 'NS'	NORTH SHORE BAY DR	66	791	--	
0010		10+62 'CC'	-	13+86 'CC'	CORNER COURT	45	900	--	
0010		UNDISTRIBUTED (EBS)				--	--	1,800	
					STAGE 3 SUBTOTAL	770	57,582	46,335	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

BASE AGGREGATE (2 OF 2)

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	* 305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110 SELECT CRUSHED MATERIAL TON	REMARKS
	STAGE 4								
0010		271+51 'WB'	-	275+75 'WB'	CTH M	--	1,522	1,291	CTH M CLOSED
0010		271+51 'EB'	-	302+19 'EB'	CTH M	138	12,422	9,832	CTH M CLOSED
0010		308+27 'EB'	-	311+05 'EB'	CTH M	22	1,109	853	
0010		320+08 'EB'	-	327+50 'EB'	CTH M	47	3,567	2,787	
0010		327+50 'EB'	-	354+50 'EB'	CTH M	35	11,248	9,329	
0010		354+50 'EB'	-	378+25 'EB'	CTH M	112	11,659	9,241	
0010		378+25 'EB'	-	381+57 'EB'	CTH M	--	1,641	1,390	
0010		10+15 'KU'	-	11+22 'KU'	KUPFER RD	18	227	--	
0010		11+13 'WR'	-	12+00 'WR'	WILLOW WEST	8	226	--	
0010		10+47 'WR'	-	11+91 'WR'	WILLOW EAST	12	543	--	
0010		10+10 'SP1'	-	15+00 'SP1'	BIKE PATH	--	347	--	
0010		307+10 'BP1'	-	310+54 'BP1'	BIKE PATH	--	187	--	
0010		333+26 'BP2'	-	353+89 'BP2'	BIKE PATH	--	1,121	--	
0010		354+81 'BP2'	-	365+51 'BP2'	BIKE PATH	--	577	--	
0010		377+22 'BP3'	-	387+11 'BP3'	BIKE PATH	--	527	--	
0010		UNDISTRIBUTED (EBS)				--	--	2,700	
					STAGE 4 SUBTOTAL	392	46,923	37,423	
	STAGE 5								
0010		319+50 'EB'	-	321+00 'EB'	CTH M	--	10	--	
0010		380+00 'EB'	-	386+75 'EB'	CTH M	--	10	--	
					STAGE 5 SUBTOTAL	--	20	--	
					PROJECT TOTAL	1,382	122,778	101,589	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

QMP BASE AGGREGATE DENSE 1 1/4-INCH COMPACTION

CATEGORY	STATION	TO	STATION	LOCATION	371.2000.S QMP BASE AGGREGATE DENSE 1 1/4-INCH COMPACTION EACH	REMARKS
0010	271+51 'EB'	-	405+00 'EB'	CTH M EB	54	3 LIFTS
0010	271+51 'WB'	-	404+75 'WB'	CTH M WB	54	3 LIFTS
0010	71+87 'K'	-	86+30 'K'	CTH K	6	3 LIFTS
0010	11+60 'WD'	-	19+10 'WD'	WOODLAND DR	4	2 LIFTS
				PROJECT TOTAL	118	

CONCRETE PAVEMENT APPROACH SLAB

CATEGORY	STATION	TO	STATION	LOCATION	415.0410 CONCRETE PAVEMENT APPROACH SLAB SY	REMARKS
0010	413+45 'EB'	-	413+65 'EB'	CTH M	54	
0010	314+85 'EB'	-	315+05 'EB'	CTH M	54	
0010	313+97 'WB'	-	314+17 'WB'	CTH M	74	
0010	314+95 'WB'	-	315+17 'WB'	CTHM	78	
				PROJECT TOTAL	260	

3

CONCRETE SURFACE DRAINS

CATEGORY	STATION	LOCATION	416.1010 CONCRETE SURFACE DRAINS CY	* 606.0200 RIPRAP MEDIUM CY	* 645.0130 GEOTEXTILE TYPE R SY	REMARKS
0010	313+23 'EB'	CTH M	2	2	9	
0010	313+69 'WB'	CTH M	1	2	9	
		PROJECT TOTAL	3	4	18	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

DRIVEWAYS

CATEGORY	STATION		LOCATION	* 305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	416.0160 CONCRETE DRIVEWAY 6-INCH SY	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	* 690.0150 SAWING ASPHALT LF	REMARKS
0010	288+25 'EB'	RT	CTH M	20	--	--	--	--	
0010	289+30 'EB'	RT/MEDIAN	CTH M	--	62	84	15	12	
0010	289+30 'WB'	LT	CTH M	26	5	15	--	--	
0010	339+40 'EB'	RT/MEDIAN	CTH M	--	50	93	9	12	
0010	345+37 'EB'	RT/MEDIAN	CTH M	--	54	96	10	15	
0010	358+05 'WB'	LT/MEDIAN	CTH M	--	49	69	12	11	
0010	363+45 'WB'	LT	CTH M	114	--	--	--	--	
0010	378+80 'WB'	LT	CTH M	--	299	30	127	20	
0010	380+00 'WB'	LT	CTH M	--	17	24	4	33	
0010	75+30 'K'	LT	CTH K	--	56	36	20	105	
0010	78+15 'K'	LT	CTH K	--	11	32	--	30	
0010	78+15 'K'	RT/MEDIAN	CTH K	--	25	74	--	21	
0010	78+95 'K'	RT/MEDIAN	CTH K	--	25	73	--	19	
0010	82+10 'K'	LT/MEDIAN	CTH K	80	20	59	--	--	
0010	10+60 'CC'	12+00 'CC'	CORNER COURT	8	118	--	52	--	
0010	11+12 'WW'	12+00 'WW'	WILLOW RD	--	54	--	24	117	
0010	11+20 'WE'	LT	WILLOW RD	--	12	--	6	37	
0010	10+00 'D1'	10+96 'D1'	SHILLING CUL DE SAC	--	75	--	33	20	
0010	10+37 'D2'	11+22 'D2'	SHILLING CUL DE SAC	--	47	--	21	12	
			PROJECT TOTAL	248	979	685	333	464	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

HMA PAVEMENT

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6424 HMA PAVEMENT 4 MT 58-28 H TON	REMARKS
	STAGE 2										
0010		302+19 'EB'	-	308+27 'EB'	CTH M	--	292	--	736	409	
0010		311+05 'EB'	-	320+08 'EB'	CTH M	--	320	--	805	447	
0010		326+93 'WB'	-	328+79 'WB'	CTH M	--	164	--	413	--	Pave Surface during Stage 3
0010		354+40 'WB'	-	355+85 'WB'	CTH M	--	118	--	297	--	Pave Surface during Stage 3
0010		10+20 'MA'	-	10+85 'MA'	MANSFIELD RD	--	6	26	--	--	
0010		10+00 'SL'	-	14+06 'SL'	SHILLING LANE CUL-DE-SAC	--	73	325	--	--	
0010		12+53 'NS'	-	18+14 'NS'	NORTH SHORE BAY DR	--	167	747	--	--	
0010		11+19 'WD'	-	19+10 'WD'	WOODLAND DR	--	167	--	608	468	
0010		10+00 'ML'	-	12+25 'ML'	MARY LAKE RD	--	20	89	--	--	
					STAGE 2 SUBTOTAL	--	1,327	1,187	2,859	1,324	
	STAGE 3										
0010		302+00 'EB'	-	306+50 'EB'	CTH M	--	75	--	189	105	
0010		272+08 'WB'	-	307+98 'WB'	CTH M	--	1,077	--	2,713	1,508	
0010		307+98 'WB'	-	312+72 'WB'	CTH M	--	208	--	524	291	CTH K CLOSED
0010		312+72 'WB'	-	326+93 'WB'	CTH M	--	513	--	1,292	718	
0010		328+79 'WB'	-	354+40 'WB'	CTH M	--	850	--	2,141	1,419	
0010		355+85 'WB'	-	378+57 'WB'	CTH M	--	770	--	1,940	1,243	
0010		378+57 'WB'	-	384+10 'WB'	CTH M	--	214	--	540	300	
0010		384+10 'WB'	-	404+76 'WB'	CTH M	--	344	--	1,349	964	
0010		381+57 'EB'	-	405+00 'EB'	CTH M	--	445	--	1,743	1,245	
0010		71+87 'K'	-	81+66 'K'	CTH K	--	521	--	1,311	510	CTH K CLOSED
0010		81+66 'K'	-	86+54 'K'	CTH K	--	356	--	896	349	CTH K CLOSED
0010		10+00 'NS'	-	12+53 'NS'	NORTH SHORE BAY DR	--	44	194	--	--	
					STAGE 3 SUBTOTAL	--	5,417	194	14,638	8,652	
	STAGE 4										
0010		271+50 'EB'	-	302+19 'EB'	CTH M	--	969	--	2,442	1,357	CTH M CLOSED
0010		271+50 'WB'	-	275+75 'WB'	CTH M	--	131	--	330	183	CTH M CLOSED
0010		308+27 'EB'	-	311+05 'EB'	CTH M	86	87	--	164	91	
0010		320+08 'EB'	-	327+50 'EB'	CTH M	295	301	--	568	316	
0010		327+50 'EB'	-	354+50 'EB'	CTH M	899	917	--	1,732	963	
0010		354+50 'EB'	-	378+25 'EB'	CTH M	961	980	--	1,852	1,029	
0010		378+25 'EB'	-	381+57 'EB'	CTH M	136	138	--	261	145	
0010		354+50 'WB'	-	357+25 'WB'	CTH M	22	23	--	43	24	
0010		10+15 'KU'	-	11+22 'KU'	KUPFER RD	12	11	37	--	--	
0010		11+13 'WR'	-	12+00 'WR'	WILLOW WEST	16	15	48	--	--	
0010		10+47 'WR'	-	11+91 'WR'	WILLOW EAST	38	34	112	--	--	
0010		10+10 'SP1'	-	15+00 'SP1'	BIKE PATH	30	--	89	--	--	
0010		307+36 'BP1'	-	310+54 'BP1'	BIKE PATH	16	--	49	--	--	
0010		333+26 'BP2'	-	353+89 'BP2'	BIKE PATH	96	--	289	--	--	
0010		354+81 'BP2'	-	365+51 'BP2'	BIKE PATH	50	--	149	--	--	
0010		377+22 'BP3'	-	387+11 'BP3'	BIKE PATH	45	--	136	--	--	
					STAGE 4 SUBTOTAL	2,702	3,606	909	7,392	4,108	
	STAGE 5										
0010		319+90 'EB'	-	320+30 'EB'	CTH M	5	4	--	7	4	
0010		380+00 'EB'	-	386+75 'EB'	CTH M	8	9	--	13	10	
					STAGE 5 SUBTOTAL	13	13	--	20	14	
					PROJECT TOTAL	2,715	10,363	2,290	24,909	14,098	

PWL MIXTURE USE TABLE

THE FOLLOWING ACCEPTANCE CRITERIA ARE APPLICABLE FOR THIS PROJECT:

LOCATION	MIXTURE USE	STATION	TO	STATION	UNDERLYING SURFACE	BID ITEM	TONS	THICKNESS	MIXTURE ACCEPTANCE	DENSITY ACCEPTANCE
CTH M EB										
EB Mainline	Upper Layer	271+50 'EB'		381+57 'EB'	3 MT 58-28 S	4 MT 58-28 H	3770	2.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Densit PWL HMA Pavement 460.2005
EB Mainline	Middle Layer	271+50 'EB'		381+57 'EB'	3 MT 58-28 S	3 MT 58-28 S	3400	2.25"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Densit PWL HMA Pavement 460.2005
EB Mainline	Lower Layer	271+50 'EB'		381+57 'EB'	Base Aggregate	3 MT 58-28 S	3400	2.25"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Densit PWL HMA Pavement 460.2005
EB Mainline (Pavement Replacement Section)	Upper Layer	381+57 'EB'		405+00 'EB'	3 MT 58-28 S	4 MT 58-28 H	810	2.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Densit PWL HMA Pavement 460.2005
EB Mainline (Pavement Replacement Section)	Lower Layer	381+57 'EB'		405+00 'EB'	Base Aggregate	3 MT 58-28 S	1130	3.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Densit PWL HMA Pavement 460.2005
EB Shoulders, Turn Lanes, Intersections	Upper Layer	271+50 'EB'		381+57 'EB'	3 MT 58-28 S	4 MT 58-28 H	1930	2.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the department; Not eligible for incentive or disincentive
EB Shoulders, Turn Lanes, Intersections	Middle Layer	271+50 'EB'		381+57 'EB'	3 MT 58-28 S	3 MT 58-28 S	1750	2.25"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the department; Not eligible for incentive or disincentive
EB Shoulders, Turn Lanes, Intersections	Lower Layer	271+50 'EB'		381+57 'EB'	Base Aggregate	3 MT 58-28 S	1750	2.25"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the department; Not eligible for incentive or disincentive
EB Shoulders, Turn Lanes, Intersections	Upper Layer	381+57 'EB'		405+00 'EB'	3 MT 58-28 S	4 MT 58-28 H	435	2.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the department; Not eligible for incentive or disincentive
EB Shoulders, Turn Lanes, Intersections	Lower Layer	381+57 'EB'		405+00 'EB'	Base Aggregate	3 MT 58-28 S	615	3.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the department; Not eligible for incentive or disincentive
CTH M WB										
WB Mainline	Upper Layer	271+50 'WB'		281+00 'WB'	3 MT 58-28 S	4 MT 58-28 H	3730	2.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Densit PWL HMA Pavement 460.2005
WB Mainline	Middle Layer	271+50 'WB'		281+00 'WB'	3 MT 58-28 S	3 MT 58-28 S	3360	2.25"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Densit PWL HMA Pavement 460.2005
WB Mainline	Lower Layer	271+50 'WB'		281+00 'WB'	Base Aggregate	3 MT 58-28 S	3360	2.25"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Densit PWL HMA Pavement 460.2005
WB Mainline (Pavement Replacement Section)	Upper Layer	384+10 'WB'		404+75 'WB'	3 MT 58-28 S	4 MT 58-28 H	710	2.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Densit PWL HMA Pavement 460.2005
WB Mainline (Pavement Replacement Section)	Lower Layer	384+10 'WB'		404+75 'WB'	Base Aggregate	3 MT 58-28 S	990	3.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Densit PWL HMA Pavement 460.2005
WB Shoulders, Turn Lanes, Intersections	Upper Layer	271+50 'WB'		384+10 'WB'	3 MT 58-28 S	4 MT 58-28 H	1965	2.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the department; Not eligible for incentive or disincentive
WB Shoulders, Turn Lanes, Intersections	Middle Layer	271+50 'WB'		384+10 'WB'	3 MT 58-28 S	3 MT 58-28 S	1765	2.25"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the department; Not eligible for incentive or disincentive
WB Shoulders, Turn Lanes, Intersections	Lower Layer	271+50 'WB'		384+10 'WB'	Base Aggregate	3 MT 58-28 S	1765	2.25"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the department; Not eligible for incentive or disincentive
WB Shoulders, Turn Lanes, Intersections	Upper Layer	384+10 'WB'		404+75 'WB'	3 MT 58-28 S	4 MT 58-28 H	255	2.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the department; Not eligible for incentive or disincentive
WB Shoulders, Turn Lanes, Intersections	Lower Layer	384+10 'WB'		404+75 'WB'	Base Aggregate	3 MT 58-28 S	360	3.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the department; Not eligible for incentive or disincentive

PWL MIXTURE USE TABLE (CONTINUED)

THE FOLLOWING ACCEPTANCE CRITERIA ARE APPLICABLE FOR THIS PROJECT:

LOCATION	MIXTURE USE	STATION	TO	STATION	UNDERLYING SURFACE	BID ITEM	TONS	THICKNESS	MIXTURE ACCEPTANCE	DENSITY ACCEPTANCE
Sideroads										
CTH K	Upper Layer	71+85 'K'		86+27 'K'	3 MT 58-28 S	4 MT 58-28 H	860	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the department; Not eligible for incentive or disincentive
CTH K	Lower Layer	71+85 'K'		86+27 'K'	3 MT 58-28 S	3 MT 58-28 S	1100	2.25"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the department; Not eligible for incentive or disincentive
CTH K	Lower Layer	71+85 'K'		86+27 'K'	Base Aggregate	3 MT 58-28 S	1100	2.25"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the department; Not eligible for incentive or disincentive
Woodland Drive	Upper Layer	11+63 'WD'		19+10 'WD'	3 MT 58-28 S	4 MT 58-28 H	470	2.5"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the department; Not eligible for incentive or disincentive
Woodland Drive	Lower Layer	11+63 'WD'		19+10 'WD'	Base Aggregate	3 MT 58-28 S	610	3.25"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the department; Not eligible for incentive or disincentive
North Shore Bay Drive/Corner Ct	Upper Layer	10+00 'NS'		17+70 'NS'	4 LT 58-28 S	4 LT 58-28 S	475	2"	QMP as per 460	Incentive Density HMA Pavement 460.2000
North Shore Bay Drive/Corner Ct	Lower Layer	10+00 'NS'		17+70 'NS'	Base Aggregate	4 LT 58-28 S	475	2"	QMP as per 460	Incentive Density HMA Pavement 460.2000
Shilling Lane	Upper Layer	10+25 'S' 10+00 'SC'		10+75 'S' 14+06 'SC'	4 LT 58-28 S	4 LT 58-28 S	180	2"	QMP as per 460	Incentive Density HMA Pavement 460.2000
Shilling Lane	Lower Layer	10+25 'S' 10+00 'SC'		10+75 'S' 14+06 'SC'	Base Aggregate	4 LT 58-28 S	180	2"	QMP as per 460	Incentive Density HMA Pavement 460.2000
Mansfield Road	Upper Layer	10+20 'MA'		10+75 'MA'	4 LT 58-28 S	4 LT 58-28 S	15	2"	QMP as per 460	Incentive Density HMA Pavement 460.2000
Mansfield Road	Lower Layer	10+20 'MA'		10+75 'MA'	Base Aggregate	4 LT 58-28 S	15	2"	QMP as per 460	Incentive Density HMA Pavement 460.2000
Kupfer Road	Upper Layer	10+25 'KU'		11+50 'KU'	4 LT 58-28 S	4 LT 58-28 S	25	2"	QMP as per 460	Incentive Density HMA Pavement 460.2000
Kupfer Road	Lower Layer	10+25 'KU'		11+50 'KU'	Base Aggregate	4 LT 58-28 S	25	2"	QMP as per 460	Incentive Density HMA Pavement 460.2000
Mary Lake Road	Upper Layer	10+45 'ML'		12+25 'ML'	4 LT 58-28 S	4 LT 58-28 S	45	2"	QMP as per 460	Incentive Density HMA Pavement 460.2000
Mary Lake Road	Lower Layer	10+45 'ML'		12+25 'ML'	Base Aggregate	4 LT 58-28 S	45	2"	QMP as per 460	Incentive Density HMA Pavement 460.2000
Willow Road (West)	Upper Layer	10+57 'WW'		12+15 'WW'	4 LT 58-28 S	4 LT 58-28 S	30	2"	QMP as per 460	Incentive Density HMA Pavement 460.2000
Willow Road (West)	Lower Layer	10+57 'WW'		12+15 'WW'	Base Aggregate	4 LT 58-28 S	30	2"	QMP as per 460	Incentive Density HMA Pavement 460.2000
Willow Road (East)	Upper Layer	10+47 'WE'		12+00 'WE'	4 LT 58-28 S	4 LT 58-28 S	75	2"	QMP as per 460	Incentive Density HMA Pavement 460.2000
Willow Road (East)	Lower Layer	10+47 'WE'		12+00 'WE'	Base Aggregate	4 LT 58-28 S	75	2"	QMP as per 460	Incentive Density HMA Pavement 460.2000
Multi-Use Path	One Layer				Base Aggregate	4 LT 58-28 S	950	3"	QMP as per 460	Incentive Density HMA Pavement 460.2000

HMA PAVEMENT PWL, TEST STRIP

CATEGORY	STATION	TO	STATION	LOCATION		460.0105.S HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP VOLUMETRICS EACH	460.0110.S HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP DENSITY EACH	REMARKS
0010	271+50	-	387+51	2.25" Binder Lift	3 MT 58-28 S	1	1	
0010	387+51	-	405+00	3.5" Binder Lift	3 MT 58-28 S	--	--	USE DENSITY TEST STRIP FROM 2.25" LIFT
0010	271+50	-	387+51	2.25" Middle Left	3 MT 58-28 S	--	1	
0010	271+50	-	405+00	2.5" Surface	4 MT 58-28 S	1	1	
				PROJECT TOTAL		2	3	

ASPHALTIC SURFACE TEMPORARY

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	SPV.0090.02 TEMPORARY ASPHALTIC CURB LF	REMARKS
	STAGE 1								
0010		320+68 'EB'	-	330+26 'EB'	CTH M MEDIAN	562	236	--	PRIOR TO STAGE 1 TRAFFIC SWITCH
0010		327+75 'EB'	-	337+70 'EB'	CTH M WIDENING	855	342	--	PRIOR TO STAGE 1 TRAFFIC SWITCH
0010		321+87 'EB'	-	335+05 'EB'	CTH M & WOODLAND	2,972	1,136	515	OVERWINTER STAGE
					STAGE 1 SUBTOTAL	4,389	1,714	515	
	STAGE 2								
0010		303+10 'EB'	-	312+38 'EB'	CTH M MEDIAN	589	248	--	PRIOR TO STAGE 2 TRAFFIC SWITCH
0010		348+88 'EB'	-	358+89 'EB'	CTH M MEDIAN	775	326	--	PRIOR TO STAGE 2 TRAFFIC SWITCH
0010		376+00 'EB'	-	386+63 'EB'	CTH M MEDIAN/CROSSOVER	1,009	424	--	PRIOR TO STAGE 2 TRAFFIC SWITCH
0010		301+00 'EB'	-	302+20 'EB'	CTH M EB	234	98	--	
0010		306+85 'EB'	-	312+25 'EB'	CTH M EB	808	324	--	
0010		326+75 'EB'	-	328+00 'EB'	CTH M EB	34	14	--	TEMPORARY CONNECTION TO WOODLAND DRIVE
0010		354+15 'EB'	-	355+45 'EB'	CTH M EB	111	47	--	TEMPORARY CONNECTION TO MARY LAKE RD
					STAGE 2 SUBTOTAL	3,560	1,481	--	
	STAGE 3								
0010		380+30 'EB'	-	382+37 'EB'	CTH M	92	39	--	CROSSOVER
					STAGE 3 SUBTOTAL	92	39	--	
	STAGE 4								
0010		10+85 'WE'	-	12+42 'WE'	WILLOW ROAD (EAST)	145	61	--	TEMPORARY WIDENING
					STAGE 4 SUBTOTAL	145	61	--	
					PROJECT TOTAL	8,186	3,295	515	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

TEMPORARY SHORING

CATEGORY	STAGE	STATION	LOCATION	511.1300.01 TEMPORARY SHORING (LOCATION) (01. STA 281+72.7) SF	REMARKS
0010	1	281+72.7 LT	B-13-601	900	FOR STAGE 1 MARSH EXCAVATION AND TEMPORARY CULVERT INSTALLATION (STAGE A & B)
			PROJECT TOTAL	900	

ASPHALTIC FLUMES

CATEGORY	STATION	SIDE	LOCATION	465.0315 ASPHALTIC FLUMES SY	REMARKS
0010	272+00 'EB'	RT	CTH M	17	
0010	272+15 'WB'	LT	CTH M	14	
0010	278+05 'EB'	RT	CTH M	15	
0010	278+60 'WB'	LT	CTH M	19	
0010	293+00 'EB'	RT	CTH M	13	
0010	296+80 'EB'	RT	CTH M	14	
0010	299+00 'WB'	LT	CTH M	16	
0010	307+10 'EB'	RT	CTH M	11	
0010	308+00 'WB'	LT	CTH M	24	
0010	355+05 'EB'	RT	CTH M	11	
0010	378+20 'WB'	LT	CTH M	13	
0010	17+30 'NS'	LT	NORTH SHORE BAY DRIVE	16	
0010	11+55 'CC'	LT	CORNER COURT	7	
0010	78+55 'K'	LT	CTH K	11	
0010	85+50 'K'	RT	CTH K	8	
0010	10+75 'S'	LT	SHILLING LN	8	
0010	12+55 'WD'	RT	WOODLAND DRIVE	16	
0010	10+80 'ML'	LT	MARY LAKE RD	18	
0010	11+15 'ML'	RT	MARY LAKE RD	18	
0010	11+15 'KU'	LT	KUPFER RD	16	
0010	10+70 'WW'	RT	WILLOW RD (WEST)	5	
0010	11+15 'WW'	LT	WILLOW RD (WEST)	15	
0010	10+45 'WE'	RT	WILLOW RD (EAST)	11	
0010	11+85 'WE'	LT	WILLOW RD (EAST)	11	
			PROJECT TOTAL	327	

CULVERT PIPE

CATEGORY	STAGE	STATION	SIDE	LOCATION	520.1015 APRON ENDWALLS FOR CULVERT PIPE 15-INCH EACH	520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH EACH	520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	520.3315 CULVERT PIPE CLASS III-A 15-INCH LF	520.3318 CULVERT PIPE CLASS III-A 18-INCH LF	520.3324 CULVERT PIPE CLASS III-A 24-INCH LF	521.1217 APRON ENDWALLS FOR PIPE ARCH STEEL 17X13-INCH EACH	521.3717 PIPE ARCH CORRUGATED STEEL 17X13-INCH LF	633.5200 MARKERS CULVERT END EACH	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	SPV.0060.03 SPECIAL (03. APRON ENDWALL FOR PIPE ARCH STEEL 103"X71") EACH	SPV.0090.01 SPECIAL (01. PIPE ARCH CORRUGATED STEEL 103"X71") LF	INLET ELEVATION	OUTLET ELEVATION	SLOPE FT/FT	REMARKS
	STAGE 2																			
0010		11+05 'MA'	LT/RT	MANSFIELD RD	2	--	--	92	--	--	--	--	2	1	--	--	854.00	853.48	-0.006	
0010		13+55 'NS'	LT/RT	NORTH SHORE BAY DRIVE	--	--	2	--	--	60	--	--	2	1	--	--	857.07	856.75	-0.005	
0010		13+98 'BS1'	LT/RT	BIKE SPUR	2	--	--	40	--	--	--	--	2	1	--	--	855.20	855.00	-0.005	
				STAGE 2 SUBTOTAL	4	--	2	132	--	60	--	--	6	3	--	--				
	STAGE 3																			
0010		339+80 'WB'	LT	CTH M	2	--	--	38	--	--	--	--	2	1	--	--	860.78	860.54	-0.006	
0010		358+05 'WB'	LT	CTH M	2	--	--	35	--	--	--	--	2	1	--	--	855.90	855.50	-0.011	
0010		368+21 'EB'	LT/RT	CTH M	--	--	--	--	--	--	--	--	2	1	2	127	850.76	850.26	-0.004	
0010		82+03 'K'	LT	CTH K	--	2	--	--	51	--	--	--	2	1	--	--	857.80	857.50	-0.006	
0010		82+90 'K'	LT/RT	CTH K	--	--	2	--	--	160	--	--	2	1	--	--	858.61	856.52	-0.013	STAGED INSTALLATION SEE CONSTRUCTION DETAILS
				STAGE 3 SUBTOTAL	4	2	2	73	51	160	--	--	10	5	2	127				
	STAGE 4																			
0010		288+25 'EB'	RT	CTH M	--	2	--	--	41	--	--	--	2	1	--	--	860.20	858.00	-0.054	
0010		289+30 'EB'	RT	CTH M	--	2	--	--	30	--	--	--	2	1	--	--	862.18	861.80	-0.013	
0010		289+30 'EB'	LT	CTH M	--	--	--	--	--	--	2	44	2	1	--	--	864.70	864.43	-0.006	
0010		339+41 'EB'	RT	CTH M	--	2	--	--	29	--	--	--	2	1	--	--	860.85	860.70	-0.005	
0010		345+25 'EB'	RT	CTH M	2	--	--	32	--	--	--	--	2	1	--	--	860.97	860.75	-0.007	
0010		345+25 'EB'	LT	CTH M	--	--	--	--	--	--	2	42	2	1	--	--	862.40	862.18	-0.005	
0010		11+15 'KU'	LT/RT	KUPFER RD	--	2	--	--	95	--	--	--	2	1	--	--	855.25	854.25	-0.011	
0010		0+78 'DT'	LT/RT	DORN POND	2	--	--	40	--	--	--	--	2	1	--	--	854.75	854.50	-0.006	
				STAGE 4 SUBTOTAL	4	8	--	72	195	--	4	86	16	8	--	--				
				PROJECT TOTAL	12	10	4	277	246	220	4	86	32	16	2	127				

CULVERT PIPE TEMPORARY

CATEGORY	STATION			520.2024 CULVERT PIPE TEMPORARY 24-INCH LF	520.2084 CULVERT PIPE TEMPORARY 84-INCH LF	* 520.8000 CONCRETE COLLARS FOR PIPE EACH	REMARKS
0010	281+70 'WB'	LT	B-13-601 CULVERT EXTENSION	--	60	--	STAGE 1
0010	281+75 'WB'	LT	B-13-601 CULVERT EXTENSION	--	60	--	STAGE 1
0010	329+40 'EB'	LT	PIPE EXTENSION	35	--	1	STAGE 1
0010	376+00 'WB'	LT	PIPE EXTENSION	22	--	1	
			PROJECT TOTAL	57	120	2	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

APRON ENDWALLS FOR CPRC

CATEGORY	STAGE	STRUCTURE	STATION	OFFSET**	LOCATION	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1015 15-INCH EACH	522.1018 18-INCH EACH	522.1024 24-INCH EACH	522.1030 30-INCH EACH	522.1042 42-INCH EACH	522.2624 HORIZONTAL ELLIPTICAL 24X38-INCH EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	INVERT*** ELEVATION	REMARKS
	STAGE 2														
0010		17	17+07.91	32.88' RT	NS	--	--	--	--	1	--	--	1	855.75	
0010		17.3	17+28.49	67.02' LT	NS	--	--	--	--	--	--	1	1	856.56	
0010		305.5		MISSING ENDWALL											
0010		312	312+73.01	46.89' LT	WB	--	--	1	--	--	--	--	1	852.50	
0010		14	13+95.75	48.16' RT	WD	--	1	--	--	--	--	--	1	853.82	
0010		16.2	16+71.86	40.07' RT	WD	--	--	--	--	--	1	--	1	853.61	
0010		18.1	18+19.48	27.11' RT	WD	1	--	--	--	--	--	--	1	855.30	
0010		11.1	10+97.09	54.59' RT	ML	--	--	--	1	--	--	--	1	854.40	
					STAGE 2 SUBTOTAL	1	1	1	1	1	1	1	7		
	STAGE 3														
0010		74.3	74+63.23	28.31' RT	K	--	--	--	--	--	--	1	1	858.55	
0010		78	80+41.65	61.89' LT	K	--	1	--	--	--	--	--	1	858.40	
0010		78.5	78+76.46	21.04' RT	K	1	--	--	--	--	--	--	1	860.50	
0010		82	82+32.58	77.67' LT	K	--	1	--	--	--	--	--	1	859.43	
0010		84	84+84.38	113.88' LT	K	--	1	--	--	--	--	--	1	852.45	
0010		86	307+29.52	111.84' LT	WB	1	--	--	--	--	--	--	1	855.56	
0010		278	278+37.20	49.09' LT	WB	--	--	--	1	--	--	--	1	853.25	
0010		287	287+64.10	47.20' RT	EB	1	--	--	--	--	--	--	1	859.00	
0010		301	301+21.55	48.07' LT	WB	--	--	1	--	--	--	--	1	862.23	
0010		303	302+93.76	73.59' LT	EB	1	--	--	--	--	--	--	1	861.22	
0010		305.1	304+66.45	84.28' LT	EB	1	--	--	--	--	--	--	1	860.20	
0010		315	315+51.72	56.25' LT	WB	1	--	--	--	--	--	--	1	850.39	
0010		320	320+29.56	38.18' LT	WB	1	--	--	--	--	--	--	1	853.73	
0010		321	321+26.45	37.20' LT	WB	1	--	--	--	--	--	--	1	853.50	
0010		323	323+47.41	44.04' LT	WB	1	--	--	--	--	--	--	1	852.80	
0010		330.3	329+74.30	53.44' LT	WB	--	--	--	--	1	--	--	1	853.63	
0010		335	334+99.93	73.76' LT	EB	--	--	1	--	--	--	--	1	856.50	
0010		344	344+23.16	74.22' LT	EB	--	--	1	--	--	--	--	1	858.00	
0010		352	352+94.99	100.39' LT	EB	--	--	--	1	--	--	--	1	856.00	
0010		356 I	356+37.13	95.9' LT	EB	--	--	--	1	--	--	--	1	853.70	
0010		364	364+97.90	54.87' LT	WB	--	--	1	--	--	--	--	1	855.85	
0010		371	371+61.17	47.43' LT	WB	--	1	--	--	--	--	--	1	853.97	
0010		378	377+83.07	55.94' LT	WB	1	--	--	--	--	--	--	1	855.17	
0010		381	381+14.52	73.55' LT	WB	--	--	1	--	--	--	--	1	856.75	
0010		386.1	386+90	76.3' RT	EB	1	--	--	--	--	--	--	1	859.30	
					STAGE 3 SUBTOTAL	11	4	5	3	1	--	1	25		
	STAGE 4														
0010		12.1	12+03.85	62.82' RT	WRE	--	--	--	1	--	--	--	1	856.68	
0010		65.1	11+01.94	37.78' LT	WRW	--	--	1	--	--	--	--	1	855.63	
0010		65.3	364+68.22	92.47' RT	EB	--	--	1	--	--	--	--	1	857.00	
0010		272.1	273+02.09	39.11' RT	EB	--	--	1	--	--	--	--	1	859.50	
0010		285	286+16.58	67.16' RT	EB	1	--	--	--	--	--	--	1	855.50	
0010		309	308+74.55	38.78' RT	EB	1	--	--	--	--	--	--	1	855.75	
0010		330	329+34.73	40.27' RT	EB	--	--	--	1	--	--	--	1	854.05	
0010		356O	356+73.61	86.1' RT	EB	--	--	--	1	--	--	--	1	853.15	
					STAGE 4 SUBTOTAL	2	--	3	3	--	--	--	8		
					PROJECT TOTAL	13	5	9	7	2	1	2	39		

REMARKS:
**STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
***THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

CONCRETE CURB & GUTTER

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF	601.0588 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBT LF	601.0590 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE TBTT LF	REMARKS
	STAGE 2										
0010		302+19 'EB'	-	308+27 'EB'	CTH M	--	--	153	--	--	
0010		311+05 'EB'	-	320+08 'EB'	CTH M	--	742	--	31	21	
0010		326+93 'WB'	-	328+79 'WB'	WOODLAND DR	--	--	209	--	--	
0010		354+40 'WB'	-	355+85 'WB'	MARY LAKE RD	--	--	160	--	--	
0010		12+53 'NS'	-	18+14 'NS'	NORTH SHORE BAY DR	--	365	--	--	--	
0010		10+62 'CC'	-	11+52 'CC'	WOODLAND DR	--	88	669	--	--	
0010		11+19 'WD'	-	19+10 'WD'	WOODLAND DR	--	1,243	669	--	--	
					STAGE 2 SUBTOTAL	--	2,438	1,860	31	21	
	STAGE 3										
0010		302+19 'EB'	-	305+50 'EB'	CTH M	--	333	--	--	--	
0010		271+50 'WB'	-	307+98 'WB'	CTH M	--	3,098	1,037	--	--	
0010		307+98 'WB'	-	312+72 'WB'	CTH M	--	174	--	--	--	
0010		312+72 'WB'	-	326+93 'WB'	CTH M	--	1,256	--	37	--	
0010		328+79 'WB'	-	354+40 'WB'	CTH M	--	2,608	--	--	--	
0010		355+85 'WB'	-	378+50 'WB'	CTH M	--	2,036	--	--	--	
0010		378+50 'WB'	-	384+10 'WB'	CTH M	--	121	585	--	--	
0010		71+87 'K'	-	81+66 'K'	CTH K	--	1,034	899	--	--	
0010		81+66 'K'	-	86+54 'K'	CTH K	--	1,136	277	--	--	
					STAGE 3 SUBTOTAL	--	11,796	2,798	37	--	
	STAGE 4										
0010		271+51 'EB'	-	302+19 'EB'	CTH M	--	3,424	999	--	--	
0010		308+27 'EB'	-	311+05 'EB'	CTH M	--	446	--	--	--	
0010		320+08 'EB'	-	327+50 'EB'	CTH M	--	643	--	--	--	
0010		327+50 'EB'	-	354+50 'EB'	CTH M	--	2,625	2,077	--	--	
0010		354+50 'EB'	-	378+10 'EB'	CTH M	--	2,248	322	--	--	
0010		378+10 'EB'	-	381+57 'EB'	CTH M	--	310	325	--	--	
0010		308+27 'WB'	-	311+05 'WB'	CTH M	--	300	--	--	--	
0010		355+55 'WB'	-	357+70 'WB'	CTH M	--	211	--	--	--	
0010		10+47 'WR'	-	11+91 'WR'	WILLOW EAST	40	--	173	--	--	
					STAGE 4 SUBTOTAL	40	10,207	3,896	--	--	
	STAGE 5										
0010		319+75 'EB'	-	320+25 'EB'	CTH M	--	39	--	--	--	
0010		381+57 'EB'	-	383+00 'EB'	CTH M	143	--	--	--	--	
0010		380+50 'WB'	-	387+00 'WB'	CTH M	288	358	--	--	--	
					STAGE 5 SUBTOTAL	431	397	--	--	--	
					PROJECT TOTAL	471	24,838	8,554	68	21	

3

CONCRETE SIDEWALK ITEMS

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	* 305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	601.0600 CONCRETE CURB PEDESTRIAN LF	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF	REMARKS
	STAGE 2										
0010		305+25 'EB'	-	306+75 'EB'	CTH M	24	--	956	70	25	
0010		10+80 'MA'	-	10+90 'MA'	EXISTING PATH	9	--	365	40	--	
0010		11+19 'WD'	-	19+10 'WD'	WOODLAND DR	90	--	3,665	--	27	
					STAGE 2 SUBTOTAL	123	--	4,986	110	52	
	STAGE 3										
0010		387+00 'EB'	-	389+EB 'WB'	CTH M	43	10	1776	84	47	
0010		400+50 'EB'	-	401+15 'EB'	EXISTING PATH	8	--	330	32	--	
0010		77+30 'K'	-	86+54 'K'	CTH K	67	--	2,754	100	--	
					STAGE 3 SUBTOTAL	118	10	4,860	216	47	
	STAGE 4										
0010		272+08 'EB'	-	307+98 'EB'	CTH M	74	--	3,007	20	--	
0010		320+30 'EB'	-	327+00 'EB'	CTH M	13	--	528	60	--	
0010		352+00 'EB'	-	356+65 'EB'	CTH M	70	--	2,873	--	50	
0010		12+75 'NS'	-	12+85 'NS'	MULTI USE PATH	1	--	53	20	--	
0010		10+85 'WR'	-	11+15 'WR'	MULTI USE PATH	6	--	243	--	39	
0010		10+50 'WR'	-	11+10 'WR'	MULTI USE PATH	8	--	335	--	39	
					STAGE 4 SUBTOTAL	172	--	7,039	100	128	
	STAGE 5										
0010		376+30 'EB'	-	380+20 'EB'	CTH M	44	--	1,810	36	--	
					STAGE 5 SUBTOTAL	44	--	1,810	36	--	
					PROJECT TOTAL	457	10	18,695	462	227	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

CONCRETE BARRIER TEMPORARY PRECAST

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	614.0905 CRASH CUSHIONS TEMPORARY EACH	SIGN PLATE	CRASH TEST LEVEL	TRAFFIC DIRECTION	TRAFFIC LOCATION	CRASH CUSHION SHIELDS
	STAGE 1												
0010		321+50 'EB'	-	335+75 'EB'	CTH M	1,425	1,425	--					
					STAGE 1 SUBTOTAL	1,425	1,425	--					
	STAGE 2												
0010		291+00 'WB'	-	296+50 'WB'	CTH M	550	550	1	OM-3L	TL-3	BIDIRECTIONAL	LEFT	TEMPORARY CONCRETE BARRIER
0010		364+75 'WB'	-	374+10 'WB'	CTH M	935	935	--					
					STAGE 2 SUBTOTAL	1,485	1,485	1					
	STAGE 3												
0010		313+75 'EB'	-	316+00 'EB'	CTH M	225	225	1	OM-3L	TL-3	BIDIRECTIONAL	LEFT	TEMPORARY CONCRETE BARRIER
					STAGE 3 SUBTOTAL	225	225	1					
	STAGE 4												
0010		312+75 'WB'	-	315+00 'WB'	CTH M	225	225	1	OM-3L	TL-3	BIDIRECTIONAL	LEFT	TEMPORARY CONCRETE BARRIER
					STAGE 4 SUBTOTAL	225	225	1					
					PROJECT TOTAL	3,360	3,360	3					

STORM SEWER PIPE (1 OF 3)

CATEGORY	STAGE	FROM	TO	LOCATION	* 520.8000 CONCRETE COLLARS FOR PIPE EACH	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0321 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 21-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0421 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 21-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	608.0442 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 42-INCH LF	608.2424 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 24x38-INCH LF	JOINT TIES ** EACH	INLET ELEVATION	DISCHARGE ELEVATION	SLOPLE FT/FT
	STAGE 2																					
0010		17.1	17.0	NS	--	--	--	--	--	--	--	--	--	--	--	49	--	--	6	856.09	855.75	0.0068
0010		17.2	17.1	NS	--	--	--	--	--	--	--	--	--	--	--	20	--	--	--	856.26	856.09	0.0088
0010		17.3	17.2	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	35	6	856.56	856.26	0.0085
0010		305.6	305.5	EB	--	--	--	--	--	--	70	--	--	--	--	--	--	--	6	858.50	858.00	0.0071
0010		312.1	312.0	WB	--	--	--	--	--	--	--	--	48	--	--	--	--	--	6	853.02	852.50	0.0108
0010		312.2	312.1	EB	--	--	--	--	--	--	9	--	--	--	--	--	--	--	--	853.54	853.38	0.0168
0010		312.4	312.2	K	--	--	--	--	--	--	42	--	--	--	--	--	--	--	--	853.78	853.54	0.0059
0010		315.2	315.1	EB	--	8	--	--	--	--	--	--	--	--	--	--	--	--	--	853.04	852.70	0.0376
0010		320.2	320.1	EB	--	16	--	--	--	--	--	--	--	--	--	--	--	--	--	854.32	854.18	0.0087
0010		14.1	14	WD	--	--	--	--	--	--	--	27	--	--	--	--	--	--	6	853.99	853.82	0.0067
0010		14.2	14.1	WD	--	--	--	--	--	--	--	8	--	--	--	--	--	--	--	854.05	853.99	0.0068
0010		14.3	14.2	WD	--	--	--	--	--	--	21	--	--	--	--	--	--	--	--	854.15	854.05	0.0048
0010		14.4	14.2	WD	--	--	--	--	--	--	--	39	--	--	--	--	--	--	--	854.30	854.05	0.0064
0010		14.5	14.4	WD	--	--	--	--	--	--	21	--	--	--	--	--	--	--	--	854.50	854.30	0.0095
0010		16.2	16.1	WD	1	--	--	--	--	--	--	--	--	--	--	--	16	--	4	853.61	853.55	0.0037
0010		18.2	18.1	WD	--	--	--	--	--	--	45	--	--	--	--	--	--	--	6	855.57	855.30	0.0061
0010		11.3	11.1	ML	--	--	--	--	--	101	--	--	--	--	--	--	--	--	6	854.79	854.40	0.0039
				STAGE 2 SUBTOTAL	1	24	--	--	--	101	208	74	48	--	--	69	16	35	46			
	STAGE 3																					
0010		74.1	COL	EB	1	--	--	--	--	8	--	--	--	--	--	--	--	--	--	857.50	857.40	0.0125
0010		74.2	74.1	K	--	--	--	--	--	--	--	--	--	--	--	--	--	15	--	857.73	857.50	0.015
0010		74.3	74.2	K	--	--	--	--	--	--	--	--	--	--	--	--	--	55	6	858.55	857.73	0.015
0010		78.1	78.0	K	--	--	141	--	--	--	--	--	--	--	--	--	--	--	6	858.95	858.40	0.0039
0010		78.2	78.1	K	--	--	--	--	--	--	17	--	--	--	--	--	--	--	--	859.13	859.05	0.0047
0010		78.3	78.2	K	--	--	--	--	--	--	41	--	--	--	--	--	--	--	--	859.30	859.13	0.0042
0010		78.4	78.3	K	--	--	--	--	--	--	43	--	--	--	--	--	--	--	--	859.50	859.30	0.0047
0010		78.5	78.3	K	--	4	--	--	--	--	--	--	--	--	--	--	--	--	--	860.50	859.50	0.3092
0010		82.1	82.0	K	--	--	--	--	--	--	61	--	--	--	--	--	--	--	6	860.11	859.43	0.0111
0010		82.2	82.1	K	--	27	--	--	--	--	--	--	--	--	--	--	--	--	--	860.58	860.11	0.0188
0010		84.1	84.0	K	--	--	76	--	--	--	--	--	--	--	--	--	--	--	6	858.76	852.45	0.0833
0010		86.1	86.0	K	--	46	--	--	--	--	--	--	--	--	--	--	--	--	6	857.42	855.56	0.0413
0010		86.2	86.1	K	--	--	--	--	--	--	43	--	--	--	--	--	--	--	--	858.15	857.42	0.0166
0010		86.3	86.2	K	--	--	--	--	--	--	47	--	--	--	--	--	--	--	--	858.79	858.15	0.0138
0010		278.1	278.0	WB	--	--	--	--	--	--	--	--	--	--	--	58	--	--	6	854.25	853.25	0.0174
0010		278.2	278.1	WB	--	--	--	--	--	17	--	--	--	--	--	--	--	--	--	854.50	854.25	0.015
0010		278.3	278.1	EB	--	35	--	--	--	--	--	--	--	--	--	--	--	--	--	855.50	855.25	0.0072
0010		285.3	285.1	EB	--	27	--	--	--	--	--	--	--	--	--	--	--	--	--	857.00	856.50	0.0189
0010		287.1	287.0	EB	--	--	--	--	--	--	--	49	--	--	--	--	--	--	6	860.08	859.00	0.0222
0010		287.2	287.1	EB	--	--	14	--	--	--	--	--	--	--	--	--	--	--	--	860.48	860.08	0.029
0010		287.3	287.2	EB	--	13	--	--	--	--	--	--	--	--	--	--	--	--	--	861.03	860.53	0.0368
0010		287.4	287.3	EB	--	--	--	--	--	--	114	--	--	--	--	--	--	--	--	861.80	861.01	0.007
0010		287.5	287.4	EB	--	--	--	--	--	--	175	--	--	--	--	--	--	--	--	862.67	861.80	0.005
				STAGE 3 SUBTOTAL	1	152	231	--	--	25	541	49	--	--	58	--	--	70	42			

*ADDITIONAL QUANTITIES LISTED ELSEWHERE
**NON-BID ITEM: FOR INFORMATION ONLY

STORM SEWER PIPE (2 OF 3)

CATEGORY	STAGE	FROM		TO	LOCATION	* 520.8000 CONCRETE COLLARS FOR PIPE EACH	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 15-INCH LF	608.0318 18-INCH LF	608.0321 21-INCH LF	608.0324 24-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 15-INCH LF	608.0418 18-INCH LF	608.0421 21-INCH LF	608.0424 24-INCH LF	608.0430 30-INCH LF	608.0442 42-INCH LF	608.2424 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL LF	JOINT TIES ** EACH	INLET ELEVATION	DISCHARGE ELEVATION	SLOPLE FT/FT
	STAGE 3																						
0010		287.6	-	287.5	EB	--	--	--	--	--	--	250	--	--	--	--	--	--	--	--	864.65	862.67	0.0079
0010		301.1	-	301.0	EB	--	--	--	--	--	--	--	--	61	--	--	--	--	--	6	862.50	862.23	0.0045
0010		303.1	-	303.2	EB	--	10	--	--	--	--	--	--	--	--	--	--	--	--	--	861.82	861.62	-0.0193
0010		303.2	-	303.0	EB	--	--	--	--	--	--	47	--	--	--	--	--	--	--	6	861.62	861.22	0.0086
0010		305.2	-	305.1	EB	--	--	--	--	--	--	56	--	--	--	--	--	--	--	6	860.37	860.20	0.003
0010		305.7	-	305.6	WB	--	14	--	--	--	--	--	--	--	--	--	--	--	--	--	858.64	858.50	0.0096
0010		312.3	-	312.1	WB	--	--	--	--	--	--	45	--	--	--	--	--	--	--	--	854.00	853.30	0.0154
0010		315.1	-	315.0	EB	--	58	--	--	--	--	--	--	--	--	--	--	--	--	6	852.70	850.39	0.0405
0010		320.1	-	320.0	WB	--	--	--	--	--	--	40	--	--	--	--	--	--	--	6	854.18	853.73	0.0111
0010		321.1	-	321.0	WB	--	--	--	--	--	--	49	--	--	--	--	--	--	--	6	854.00	853.50	0.0103
0010		321.2	-	321.1	EB	--	20	--	--	--	--	--	--	--	--	--	--	--	--	--	854.18	854.00	0.0089
0010		323.1	-	323.0	WB	--	46	--	--	--	--	--	--	--	--	--	--	--	--	6	853.35	852.80	0.012
0010		323.2	-	323.1	EB	--	12	--	--	--	--	--	--	--	--	--	--	--	--	--	853.57	853.32	0.0214
0010		329.1	-	330.2	WB	--	--	--	--	--	--	--	--	69	--	--	--	--	--	--	854.58	854.08	0.0073
0010		329.2	-	329.1	EB	--	--	13	--	--	--	--	--	--	--	--	--	--	--	--	854.96	854.79	0.013
0010		330.2	-	330.3	EB	--	--	--	--	--	--	--	--	--	--	--	55	--	--	6	853.83	853.63	0.0035
0010		335.1	-	335.0	EB	--	--	--	--	--	--	--	--	45	--	--	--	--	--	6	857.12	856.50	0.0137
0010		335.2	-	335.1	EB	--	--	--	13	--	--	--	--	--	--	--	--	--	--	--	857.46	857.12	0.025
0010		344.1	-	344.0	EB	--	--	--	--	--	--	--	--	--	46	--	--	--	--	6	858.36	858.00	0.0079
0010		344.2	-	344.1	EB	--	--	--	14	--	--	--	--	--	--	--	--	--	--	--	858.50	858.36	0.0099
0010		344.7	-	344.1	WB	--	--	--	--	--	--	22	--	--	--	--	--	--	--	--	859.18	858.88	0.0136
0010		352.1	-	352.0	WB	--	--	--	--	--	104	--	--	--	--	--	--	--	--	6	856.50	856.00	0.0048
0010		353.1	-	352.1	EB	--	--	9	--	--	--	--	--	--	--	--	--	--	--	--	858.66	858.20	0.0504
0010		353.2	-	353.1	EB	--	44	--	--	--	--	--	--	--	--	--	--	--	--	--	859.25	858.95	0.0068
0010		356.0	-	352.1	WB	--	--	--	--	--	--	--	--	228	--	--	--	--	--	--	858.24	857.00	0.0054
0010		356.3	-	356.0	EB	--	--	--	--	--	--	--	19	--	--	--	--	--	--	--	858.64	858.49	0.0078
0010		356M	-	356I	EB	--	--	--	--	--	70	--	--	--	--	--	--	--	--	6	853.70	853.35	0.0025
0010		357.1	-	356.0	EB	--	--	--	--	--	--	--	120	--	--	--	--	--	--	--	859.40	858.49	0.0039
0010		357.3	-	357.1	EB	--	18	--	--	--	--	--	--	--	--	--	--	--	--	--	859.60	859.40	0.0112
0010		364.1	-	364.0	WB	--	--	--	56	--	--	--	--	--	--	--	--	--	--	6	856.25	855.85	0.0071
0010		364.2	-	364.1	EB	--	11	--	--	--	--	--	--	--	--	--	--	--	--	--	858.62	858.22	0.0373
0010		367.1	-	364.1	EB	--	300	--	--	--	--	--	--	--	--	--	--	--	--	--	857.50	856.25	0.0042
0010		367.2	-	367.1	EB	--	12	--	--	--	--	--	--	--	--	--	--	--	--	--	857.58	857.51	0.0051
0010		371.2	-	371.0	WB	--	--	49	--	--	--	--	--	--	--	--	--	--	--	6	854.60	853.97	0.0129
0010		371.3	-	371.2	WB	--	47	--	--	--	--	--	--	--	--	--	--	--	--	--	855.84	854.85	0.0211
0010		371.4	-	371.3	WB	--	9	--	--	--	--	--	--	--	--	--	--	--	--	--	856.02	855.84	0.0199
0010		378.1	-	378.0	WB	--	58	--	--	--	--	--	--	--	--	--	--	--	--	6	858.14	855.17	0.0518
0010		378.2	-	378.1	WB	--	9	--	--	--	--	--	--	--	--	--	--	--	--	--	858.57	858.14	0.0489
0010		381.1	-	381.0	WB	--	--	--	57	--	--	--	--	--	--	--	--	--	--	6	857.15	856.75	0.007
0010		381.2	-	381.1	WB	--	--	--	--	--	--	--	--	35	--	--	--	--	--	--	857.39	857.16	0.0066
0010		382.1	-	381.1	WB	--	--	--	--	--	--	--	--	102	--	--	--	--	--	--	857.40	857.15	0.0024
0010		382.2	-	382.1	WB	--	--	--	--	--	--	74	--	--	--	--	--	--	--	--	858.40	857.85	0.0074
0010		382.3	-	382.1	WB	--	--	--	--	--	--	--	--	29	--	--	--	--	--	--	857.50	857.40	0.0035
0010		382.3A	-	382.3	WB	1	--	--	7	--	--	--	--	--	--	--	--	--	--	--	857.70	857.49	0.0288
0010		386.1	-	EXIST	EB	1	54	--	--	--	--	--	--	--	--	--	--	--	--	--	859.30	858.40	0.0167
	STAGE 3 SUBTOTAL					2	722	71	147	--	174	583	139	569	46	--	55	--	--	96			

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

**NON-BID ITEM: FOR INFORMATION ONLY

STORM SEWER PIPE (3 OF 3)

CATEGORY	STAGE	FROM	TO	LOCATION	* 520.8000 CONCRETE COLLARS FOR PIPE EACH	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 15-INCH LF	608.0318 18-INCH LF	608.0321 21-INCH LF	608.0324 24-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 15-INCH LF	608.0418 18-INCH LF	608.0421 21-INCH LF	608.0424 24-INCH LF	608.0430 30-INCH LF	608.0442 42-INCH LF	608.2424 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL LF	JOINT TIES ** EACH	INLET ELEVATION	DISCHARGE ELEVATION	SLOPLE FT/FT
	STAGE 4																					
0010		12.1	- 12.0	WRE	1	--	--	--	--	35	--	--	--	--	--	--	--	--	6	856.68	855.55	0.0326
0010		65.2	- 65.1	WRW	--	--	--	109	--	--	--	--	--	--	--	--	--	--	6	856.40	855.63	0.0071
0010		65.3	- 65.2	K	--	--	--	37	--	--	--	--	--	--	--	--	--	--	6	857.00	856.40	0.0164
0010		272.0	- 274.0	EB	--	--	--	116	--	--	--	--	--	--	--	--	--	--	--	858.50	857.00	0.013
0010		272.1	- 272.0	EB	--	--	--	--	--	--	--	--	41	--	--	--	--	--	6	859.50	858.50	0.0243
0010		274.0	- 278.2	EB	--	--	--	--	375	--	--	--	--	--	--	--	--	--	--	857.00	854.50	0.0067
0010		278.4	- 278.2	EB	--	18	--	--	--	--	--	--	--	--	--	--	--	--	--	857.00	856.55	0.0247
0010		278.5	- 278.4	EB	--	34	--	--	--	--	--	--	--	--	--	--	--	--	--	857.28	857.00	0.0081
0010		285.1	- 285.0	EB	--	136	--	--	--	--	--	--	--	--	--	--	--	--	6	856.50	855.50	0.0073
0010		309.1	- 309.0	EB	--	--	--	--	--	--	40	--	--	--	--	--	--	--	6	856.00	855.75	0.0062
0010		309.2	- 309.1	EB	--	--	--	--	--	--	40	--	--	--	--	--	--	--	--	856.25	856.00	0.0062
0010		329.3	- 329.2	EB	--	14	--	--	--	--	--	--	--	--	--	--	--	--	--	855.50	855.25	0.0185
0010		330.0	- 330.1	EB	--	--	--	--	--	--	--	--	--	--	42	--	--	--	6	854.05	853.91	0.0033
0010		330.1	- 330.2	EB	--	--	--	--	--	27	--	--	--	--	--	--	--	--	--	853.91	853.83	0.003
0010		335.3	- 335.2	EB	--	13	--	--	--	--	--	--	--	--	--	--	--	--	--	857.75	857.46	0.0216
0010		335.4	- 335.3	EB	--	--	--	--	--	--	29	--	--	--	--	--	--	--	--	858.27	857.75	0.0176
0010		344.3	- 344.2	WB	--	13	--	--	--	--	--	--	--	--	--	--	--	--	--	859.05	858.68	0.0282
0010		344.4	- 344.3	EB	--	--	--	--	--	--	29	--	--	--	--	--	--	--	--	859.71	859.17	0.0182
0010		344.5	- 344.4	EB	--	--	--	--	--	--	25	--	--	--	--	--	--	--	--	859.94	859.71	0.0093
0010		344.6	- 344.3	WB	--	--	--	--	--	--	25	--	--	--	--	--	--	--	--	859.29	859.05	0.0094
0010		353.3	- 353.1	EB	--	--	--	--	--	--	60	--	--	--	--	--	--	--	--	859.50	858.95	0.0093
0010		353.4	- 353.3	EB	--	39	--	--	--	--	--	--	--	--	--	--	--	--	--	860.00	859.50	0.0128
0010		356.1	- 356.3	WB	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	858.88	858.64	0.0053
0010		356.2	- 356.1	EB	--	9	--	--	--	--	--	--	--	--	--	--	--	--	--	858.98	858.88	0.0111
0010		356.4	- 356.3	EB	--	9	--	--	--	--	--	--	--	--	--	--	--	--	--	859.00	858.88	0.0138
0010		356M	- 356I	EB	--	--	--	--	--	70	--	--	--	--	--	--	--	--	--	853.70	853.35	0.0025
0010		356O	- 356M	EB	--	--	--	--	--	59	--	--	--	--	--	--	--	--	6	853.35	853.15	0.0034
0010		357.1	- 356.0	EB	--	--	--	--	--	--	--	113	--	--	--	--	--	--	--	859.40	858.49	0.0039
0010		357.2	- 357.1	EB	--	14	--	--	--	--	--	--	--	--	--	--	--	--	--	859.60	859.40	0.0142
0010		364.3	- 364.2	EB	--	13	--	--	--	--	--	--	--	--	--	--	--	--	--	858.95	858.62	0.0246
0010		371.5	- 371.4	WB	--	46	--	--	--	--	--	--	--	--	--	--	--	--	--	856.67	856.02	0.0142
0010		381.3	- 381.2	EB	--	36	--	--	--	--	--	--	--	--	--	--	--	--	--	858.01	857.81	0.0055
0010		381.4	- 381.3	EB	--	--	--	--	--	--	53	--	--	--	--	--	--	--	--	858.26	858.01	0.0047
STAGE 4 SUBTOTAL					1	439	--	262	375	191	301	113	41	--	42	--	--	--	48			
PROJECT TOTAL					5	1337	302	409	375	491	1633	375	658	46	100	124	16	105	232			

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

**NON-BID ITEM: FOR INFORMATION ONLY

TEMPORARY DRAINAGE ITEMS

CATEGORY	STRUCTURE ID	STATION	LOCATION	611.8115 ADJUSTING INLET COVERS EACH	611.8120.S COVER PLATES TEMPORARY EACH	SPV.0060.05 TEMPORARY CONNECTION TO EXISTING STORM SEWER EACH	SPV.0060.06 TEMPORARY INLET COVER EACH	REMARKS
0010	EXISTING	12+00 'WD'	22' LT	1	--	--	--	STAGE 1
0010	EXISTING	12+08 'WD'	22' LT	1	--	--	--	STAGE 1
0010	EXISTING	14+50 'WD'	22' LT	1	--	--	--	STAGE 1
0010	EXISTING	306+00 'WB'	2.7' RT	--	1	--	--	STAGE 2
0010	EXISTING	308+30 'WB'	LT & RT	--	2	--	2	STAGE 2
0010	EXISTING	311+20 'WB'	16.5' LT	--	1	--	--	STAGE 2
0010	320.2	319+84 'EB'	1.5' LT	--	1	--	--	STAGE 2
0010	EXISTING	353+11 'EB'	6.5' LT	--	--	--	1	STAGE 2
0010	EXISTING	356+34 'EB'	12' LT	--	--	1	1	STAGE 2
0010	EXISTING	380+82 'EB'	1' LT	--	1	--	--	STAGE 2
0010	381.2	381+51 'WB'	7.3' RT	--	1	1	--	STAGE 2
0010	EXISTING	382+12 'EB'	1' LT	--	--	--	1	STAGE 2
0010	EXISTING	382+22 'EB'	1' LT	--	--	--	1	STAGE 2
0010	320.1	320+30 'WB'	1.5' RT	--	1	--	--	STAGE 3
			PROJECT TOTAL	3	8	2	6	

PIPE UNDERDRAIN

CATEGORY	STATION	TO	STATION	OFFSET	LOCATION	310.0110 BASE AGGREGATE OPEN-GRADED TON	612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	* 612.0406 PIPE UNDERDRAIN WRAPPED 6-INCH LF	612.0806 APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH EACH	REMARKS
0010	277+50 'WB'	-	278+35 'WB'	1.5' RT	CTH M WB	2	--	50	--	
0010	277+96 'EB'	-	278+71 'EB'	1.5' LT	CTH M EB	2	--	50	--	
0010	311+70 'EB'	-	312+62 'EB'	1.5' LT	CTH M EB	2	--	50	--	
0010	312+05 'WB'	-	313+00 'WB'	1.5' RT	CTH M WB	2	--	50	--	
0010	320+81 'EB'	-	321+31 'EB'	1.5' LT	CTH M EB	2	--	50	--	
0010	328+39 'EB'	-	328+89 'EB'	1.5' LT	CTH M EB	2	--	50	--	
0010	328+79 'WB'	-	329+97 'WB'	1.5' RT	CTH M WB	2	--	50	--	
0010	344+00 'EB'	-	344+75 'EB	28' RT	CTH M EB	2	--	50	--	
0010	344+17 'WB'	-	344+89 'WB'	1.5' RT	CTH M WB	2	--	50	--	
0010	356+13 'WB'	-	357+08 'WB'	19.5' RT	CTH M WB	2	--	50	--	
0010	356+19 'EB'	-	356+69 'EB'	1.5' LT	CTH M EB	2	--	50	--	
0010	370+50 'EB'	-	371+46 'EB'	1.5' LT	CTH M EB	2	--	50	--	
0010	370+89 'WB'	-	371+86 'WB'	1.5' RT	CTH M WB	2	--	50	--	
0010	380+82 'EB'	-	381+57 'EB'	1.5' LT	CTH M EB	3	--	75	--	
0010	382+25 'WB'	-	383+50	27.5' LT	CTH M WB	2	--	50	--	
0010	74+38 'K'	-	74+88 'K'	43.5' LT	CTH K	2	--	50	--	
0010	78+07 'K'	-	79+00 'K'	18' RT	CTH K	2	--	50	--	
0010	78+70 'K'	-	80+00 'K'	LT	CTH K	7	20	150	1	TILE TO DRAIN SELECT CRUSH TO DITCH LINE
0010	17+94 'WD'	-	18+34 'WD'	17.2' LT	WOODLAND DR	2	--	50	--	
0010	13+49 'WD'	-	14+20 'WD'	25.6' LT	WOODLAND DR	2	--	50	--	
0010	13+50 'WD'	-	14+21 'WD'	13.3' RT	WOODLAND DR	2	--	50	--	
					PROJECT TOTAL	48	20	1,175	1	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

MANHOLES AND INLETS (1 OF 3)

CATEGORY	STAGE	STRUCTURE	STATION	OFFSET**	LOCATION	611.0530 MANHOLE COVERS TYPE J EACH	611.0606 TYPE B EACH	611.0624 TYPE H EACH	611.0627 TYPE HM EACH	611.0636 TYPE HM-S EACH	611.0639 TYPE H-S EACH	611.0642 TYPE MS EACH	611.0666 TYPE Z EACH	611.2005 5-FT DIA. EACH	611.2006 6-FT DIA. EACH	611.3004 4-FT DIA. EACH	611.3220 2X2-FT EACH	611.3230 2X3-FT EACH	611.3901 MEDIAN 1 GRATE EACH	611.3902 MEDIAN 2 GRATE EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	RIM*** ELEVATION	INVERT**** ELEVATION	DEPTH***** FT
							INLET COVERS							MANHOLES		INLETS								
	STAGE 2																							
0010		17.1	17+27.02	12.5' LT	NS	--	--	--	--	--	1	--	--	1	--	--	--	--	--	--	1	860.86	856.09	3.83
0010		17.2	17+30.62	32.4' LT	NS	--	--	--	--	--	1	--	--	1	--	--	--	--	--	--	1	860.69	856.26	3.50
0010		305.5	MISSING ENDWALL																					
0010		305.6	305+15.00	19.5' LT	EB	--	--	1	--	--	--	--	--	--	--	1	--	--	--	--	1	862.77	858.50	3.44
0010		312.1	312+75.31	1.5' RT	WB	--	--	1	--	--	--	--	--	--	--	1	--	--	--	--	1	856.99	853.02	3.17
0010		312.2	312+36.82	1.5' LT	EB	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	1	856.99	853.54	2.28
0010		312.4	311+95.00	1.50' LT	EB	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	1	857.03	853.78	2.08
0010		315.2	315+13.33	1.50' LT	EB	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	1	858.27	853.04	4.40
0010		320.2	319+84.03	1.5' LT	EB	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	1	857.67	854.32	2.52
0010		14.1	13+89.21	1.5' LT	WD	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	1	857.46	853.99	2.66
0010		14.2	13+95.70	13.5' RT	WD	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	1	857.48	854.05	2.62
0010		14.3	13+74.93	13.5.' RT	WD	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	1	857.49	854.15	2.51
0010		14.4	13+95.45	25.5' LT	WD	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	857.20	854.30	2.08
0010		14.5	13+74.35	25.5' LT	WD	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	857.25	854.50	1.91
0010		18.2	18+19.36	17.5' LT	WD	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	858.29	855.57	1.89
			STAGE 2 SUBTOTAL			--	2	4	--	3	5	--	--	2	--	2	2	8	--	--	14			
	STAGE 3																							
0010		74.1	74+62.43	41.6' LT	K	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	1	860.52	857.50	3.33
0010		74.2	74+62.60	26.4' LT	K	--	--	--	--	1	--	--	--	--	1	--	--	--	--	--	1	862.63	857.73	3.98
0010		78.1	79+13.03	18.6' LT	K	--	--	1	--	--	--	--	--	--	--	1	--	--	--	--	1	862.30	858.95	2.54
0010		78.2	79+11.13	1.5' LT	K	--	--	1	--	--	--	--	--	--	--	1	--	--	--	--	1	862.86	859.13	2.90
0010		78.3	78+75.32	17.5' RT	K	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	862.42	859.30	2.29
0010		78.4	78+32.47	17.5' RT	K	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	862.39	859.50	2.05
0010		82.1	81+94.86	31.3' LT	K	--	--	1	--	--	--	--	--	--	--	1	--	--	--	--	1	864.42	860.11	3.48
0010		82.2	81+75.86	12.5' LT	K	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	1	864.89	860.58	3.47
0010		84.1	84+76.58	38.5' LT	K	--	--	1	--	--	--	--	--	--	--	1	--	--	--	--	1	864.46	858.76	4.89
0010		86.1	306+96.76	83.9' LT	WB	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	1	862.26	857.42	4.00
0010		86.2	86+16.56	58.5' LT	K	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	1	862.25	858.15	3.27
0010		86.3	86+05.35	12.8' LT	K	--	--	1	--	--	--	--	--	--	--	1	--	--	--	--	1	863.12	858.79	3.49
0010		278.1	278+09.80	1.5' RT	WB	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	1	860.37	854.25	5.37
0010		278.2	277+99.91	15.5' LT	EB	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	1	858.85	854.50	4.60
0010		278.3	277+75.00	1.5' RT	WB	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	1	860.40	855.50	4.06
0010		285.3	285+00.00	1.5' RT	WB	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	1	863.68	857.00	5.85
0010		287.1	287+64.12	1.5' LT	EB	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	1	865.16	860.08	4.26
0010		287.2	287+63.93	15.1' LT	EB	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	1	863.59	860.48	3.30
0010		287.3	287+64.76	1.5' RT	WB	--	--	1	--	--	--	--	--	--	--	1	--	--	--	--	1	865.19	861.01	3.35
0010		287.4	288+75.17	27.5' LT	WB	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1	865.95	861.80	3.31
0010		287.5	290+50.00	27.5' LT	WB	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1	867.51	862.67	4.00
0010		287.6	293+00.00	27.5' LT	WB	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1	869.79	864.65	4.31
0010		301.1	300+98.82	14.5' LT	EB	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	1	866.00	862.50	3.71
0010		303.1	302+95.00	16.5' LT	EB	--	--	1	--	--	--	--	--	--	--	1	--	--	--	--	1	865.48	861.82	2.83
0010		303.2	303+20.00	1.5' RT	WB	--	--	1	--	--	--	--	--	--	--	1	--	--	--	--	1	865.24	861.62	2.78
			STAGE 3 SUBTOTAL			--	--	11	4	3	3	4	--	--	1	11	--	9	2	2	25			

REMARKS:

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

**STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

***RIM ELEV IS AT THE INLET COVER FLANGE LOCATION

****FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE

*****DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT

+MATCH EXISTING CASTING ELEVATION

3

MANHOLES AND INLETS (2 OF 3)

						611.0530	611.0606	611.0624	611.0627	611.0636	611.0639	611.0642	611.0666	611.2005	611.2006	611.3004	611.3220	611.3230	611.3901	611.3902	* 650.4000			
							INLET COVERS							MANHOLES		INLETS								
CATEGORY	STAGE	STRUCTURE	STATION	OFFSET**	LOCATION	MANHOLE COVERS TYPE J EACH	TYPE B EACH	TYPE H EACH	TYPE HM EACH	TYPE HM-S EACH	TYPE H-S EACH	TYPE MS EACH	TYPE Z EACH	5-FT DIA. EACH	6-FT DIA. EACH	4-FT DIA. EACH	2X2-FT EACH	2X3-FT EACH	MEDIAN 1 GRATE EACH	MEDIAN 2 GRATE EACH	CONSTRUCTION STAKING STORM SEWER EACH	RIM*** ELEVATION	INVERT**** ELEVATION	DEPTH***** FT
	STAGE 3																							
0010		305.2	305+00.00	1.5' RT	WB	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	1	863.34	860.37	2.14
0010		305.7	305+35.00	1.5' RT	WB	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	1	863.02	858.64	3.55
0010		312.3	312+30.00	1.5' RT	WB	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	1	857.06	854.00	2.23
0010		315.1	315+51.83	1.5' RT	WB	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	1	858.23	852.70	4.69
0010		320.1	320+29.77	1.5' RT	WB	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	1	857.62	854.18	2.61
0010		321.1	321+24.91	11.3' RT	WB	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	1	857.04	854.00	2.20
0010		323.1	323+49.01	1.5' RT	WB	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	1	858.17	853.32	4.01
0010		323.2	323+10.78	12.5' LT	EB	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	1	857.95	853.57	3.54
0010		329.1	329+03.53	1.5' RT	WB	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	1	859.20	854.58	3.84
0010		329.2	329+03.48	15.0' RT	WB	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	1	857.62	854.96	2.84
0010		330.2	329+72.29	1.5' RT	WB	--	--	--	--	--	1	--	--	--	1	--	--	--	--	--	1	859.40	853.83	4.63
0010		335.1	335+37.93	1.5' RT	WB	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	1	862.23	857.12	4.31
0010		335.2	335+00.04	15.0' LT	EB	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	1	860.64	857.46	3.38
0010		344.1	344+64.08	1.5' RT	WB	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	1	863.19	858.36	4.06
0010		344.2	344+25.38	14.5' LT	EB	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	1	861.76	858.50	3.47
0010		344.7	344+42.32	1.5' RT	WB	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	1	863.22	859.18	3.21
0010		352.1	353+70.82	28.5' LT	EB	--	--	1	--	--	--	--	--	1	--	--	--	--	--	--	1	864.32	856.50	6.83
0010		353.1	353+69.97	19.5' LT	EB	--	--	1	--	--	--	--	--	--	--	1	--	--	--	--	1	863.97	858.66	4.49
0010		353.2	353+26.16	19.5' LT	EB	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	1	864.31	859.25	4.23
0010		356	356+38.32	0.4' RT	WB	1	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	862.70	858.24	3.43
0010		357.3	358+80.82	1.5' RT	WB	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	1	863.29	859.60	2.86
0010		364.1	365+00.00	1.5' RT	WB	--	--	1	--	--	--	--	--	--	--	1	--	--	--	--	1	863.50	856.25	6.46
0010		367.1	368+00.33	1.5' RT	WB	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	1	861.90	857.50	3.56
0010		371.2	371+60.74	1.5' RT	WB	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	1	860.12	854.60	4.71
0010		371.3	371+14.02	1.5' RT	WB	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	1	860.23	855.84	3.56
0010		378.1	377+85.00	1.5' RT	WB	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	1	863.63	858.14	4.66
0010		381.1	381+47.57	27.5' LT	WB	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	1	861.56	857.15	3.62
0010		381.2	381+51.22	7.2' RT	WB	--	--	1	--	--	--	--	--	--	--	1	--	--	--	--	1	861.78	857.39	3.61
0010		382.1	382+50.17	27.5' LT	WB	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	1	860.80	857.40	2.61
0010		382.2	383+25.00	27.5' LT	WB	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	1	861.03	858.40	1.80
0010		382.3	382+49.86	1.5' RT	WB	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	1	861.45	857.49	3.17
	STAGE 3 SUBTOTAL					1	--	15	--	--	12	3	--	2	1	6	--	19	2	1	31			

REMARKS:

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

**STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

***RIM ELEV IS AT THE INLET COVER FLANGE LOCATION

****FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE

*****DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT

+MATCH EXISTING CASTING ELEVATION

MANHOLES AND INLETS (3 OF 3)

CATEGORY	STAGE	STRUCTURE	STATION	OFFSET**	LOCATION	611.0530 MANHOLE COVERS TYPE J EACH	611.0606 TYPE B EACH	611.0624 TYPE H EACH	611.0627 TYPE HM EACH	611.0636 TYPE HM-S EACH	611.0639 TYPE H-S EACH	611.0642 TYPE MS EACH	611.0666 TYPE Z EACH	611.2005 5-FT DIA. EACH	611.2006 6-FT DIA. EACH	611.3004 4-FT DIA. EACH	611.3220 2X2-FT EACH	611.3230 2X3-FT EACH	611.3901 MEDIAN 1 GRATE EACH	611.3902 MEDIAN 2 GRATE EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	RIM*** ELEVATION	INVERT**** ELEVATION	DEPTH***** FT
							INLET COVERS							MANHOLES		INLETS								
	STAGE 4																							
0010		12	12+23.47	34.3' RT	WRE	1	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	862.20	855.55	5.66
0010		65.2	10+50.45	58.4' RT	WRW	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	1	858.68	856.40	2.49
0010		272	273+09.19	1.5' LT	EB	--	--	1	--	--	--	--	--	--	--	1	--	--	--	--	1	863.03	858.50	3.74
0010		274	274+24.34	19.5' RT	WB	--	--	1	--	--	--	--	--	--	--	1	--	--	--	--	1	861.90	857.00	4.13
0010		278.4	278+11.41	1.5' LT	EB	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	1	860.38	857.00	2.54
0010		278.5	278+45.77	1.5' LT	EB	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	1	860.40	857.28	2.29
0010		285.1	284+98.98	1.4' LT	EB	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	1	863.70	856.50	6.36
0010		309.1	308+75.00	1.5' LT	EB	--	--	1	--	--	--	--	--	--	--	1	--	--	--	--	1	859.49	856.00	2.66
0010		309.2	309+53.46	17.6' RT	WB	--	--	1	--	--	--	--	--	--	--	1	--	--	--	--	1	859.04	856.04	2.00
0010		321.2	321+05.52	1.5' LT	EB	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	1	857.19	854.18	2.18
0010		329.3	328+64.09	1.5' LT	EB	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	1	859.22	855.50	2.88
0010		330.1	329+32.55	1.5' LT	EB	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	1	859.40	853.91	4.74
0010		335.3	335+00.09	1.5' LT	EB	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	1	862.22	857.75	3.64
0010		335.4	335+00.43	27.5' RT	EB	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1	862.16	858.27	3.06
0010		344.3	344+24.87	1.5' LT	EB	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	1	863.13	859.05	3.25
0010		344.4	344+25.01	27.5' RT	EB	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	863.11	859.71	2.57
0010		344.5	344+49.74	27.5' RT	EB	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	1	863.15	859.94	2.38
0010		344.6	344+00.01	1.5' LT	EB	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	1	863.23	859.29	3.11
0010		353.3	353+62.03	39.5' RT	EB	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1	864.06	859.50	3.73
0010		353.4	353+22.83	39.5' RT	EB	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1	864.38	860.00	3.54
0010		356.1	356+82.88	19.5' RT	WB	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	1	862.19	858.88	2.48
0010		356.2	356+44.12	1.5' LT	EB	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	1	862.45	858.98	2.63
0010		356.3	356+37.59	19.5' RT	WB	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	1	862.29	858.64	2.83
0010		356.4	355+98.25	1.5' LT	EB	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	1	862.56	859.00	2.72
0010		356M	356+32.51	44.2' RT	EB	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	1	858.77	853.35	5.67
0010		357.1	358+31.06	14.0' LT	EB	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	1	861.84	859.40	2.62
0010		357.2	358+37.66	1.5' LT	EB	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	1	863.28	859.60	2.84
0010		364.2	364+61.12	15.0' LT	EB	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	1	861.89	858.62	3.44
0010		364.3	364+61.01	1.5' LT	EB	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	1	863.49	858.95	3.71
0010		367.2	367+62.01	1.5' LT	EB	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	1	861.89	857.58	3.48
0010		371.4	370+75.00	1.5' LT	EB	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	1	860.22	856.02	3.37
0010		371.5	371+20.80	1.5' LT	EB	--	--	--	--	--	1	--	--	--	--	--	--	1	--	--	1	860.12	856.67	2.62
0010		378.2	377+45.01	19.5' LT	EB	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	1	863.34	858.57	3.93
0010		381.3	380+82.20	1.5' LT	EB	--	--	1	--	--	--	--	--	--	--	1	--	--	--	--	1	862.01	858.01	3.16
0010		381.4	380+37.83	27.5' RT	EB	--	--	1	--	--	--	--	--	--	--	1	--	--	--	--	1	862.32	858.26	3.23
			STAGE 4 SUBTOTAL			1	--	12	3	2	13	4	--	1	--	10	--	20	1	3	35			
	STAGE 5																							
0010		382.4	382+11.44	0.7' LT	EB	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	+	--	--
0010		382.5	382+21.27	0.7' LT	EB	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	+	--	--
			STAGE 5 SUBTOTAL			--	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--			
			PROJECT TOTAL			2	2	42	7	8	33	11	2	5	2	29	2	56	5	6	105			

REMARKS:

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*****DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT

+MATCH EXISTING CASTING ELEVATION

3

GUARDRAIL ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	614.2300 MGS GUARDRAIL 3 LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	614.2620 MGS GUARDRAIL TERMINAL TYPE 2 EACH	REMARKS
0010	280+02 'EB'	-	282+43 'EB'	RT	187.5	--	1	1	
0010	280+98 'WB'	-	283+27 'WB'	LT	175.5	--	1	1	
0010	312+26 'EB'	-	313+68 'EB'	RT	50	39.4	1	--	
0010	312+70 'EB'	-	313+63 'EB'	LT	--	39.4	1	--	
0010	314+89 'EB'	-	316+21 'EB'	RT	125	8.2	--	1	
0010	312+94 'WB'	-	314+03 'WB'	LT	100	8.2	--	1	
0010	315+04 'WB'	-	316+47 'WB'	LT	50	39.4	1	--	
0010	315+11 'WB'	-	316+03 'WB'	RT	--	39.4	1	--	
				PROJECT TOTAL	688.0	174.0	6	4	

LANDMARK REFERENCE MONUMENTS

CATEGORY	STATION	LOCATION	621.0100 LANDMARK REFERENCE MONUMENTS EACH	621.1200 LANDMARK REFERENCE MONUMENTS AND ALUMINUM COVERS EACH	REMARKS
0010	284+26.26 'EB' 53.56' RT	CTH M	1	1	
0010	12+38.17 'WD' 5.43' LT	WOODLAND DRIVE	1	1	
		PROJECT TOTAL	2	2	

CONCRETE MEDIAN SLOPED NOSE

CATEGORY	STATION	LOCATION	620.0300 CONCRETE MEDIAN SLOPED NOSE SF	TYPE
0010	271+85 'EB'	CTH M	48	1
0010	305+48 'EB'	CTH M	58	1
0010	306+58 'EB'	CTH M	42	1
0010	307+44 'WB'	CTH M	33	1
0010	320+37 'WB'	CTH M	45	1
0010	320+32 'EB'	CTH M	39	1
0010	326+78 'EB'	CTH M	105	1
0010	354+48 'WB'	CTH M	42	1
0010	355+18 'EB'	CTH M	42	1
0010	378+05 'WB'	CTH M	57	1
0010	378+72 'EB'	CTH M	43	1
0010	17+60 'NS'	NORTH SHORE BAY DR	113	1
0010	77+30 'K'	CTH K	56	1
0010	85+75 'K'	CTH K	38	1
0010	86+25 'K'	CTH K	30	1
0010	11+68 'WD'	WOODLAND DR	49	1
0010	17+85 'WD'	WOODLAND DR	39	1
		PROJECT TOTAL	879	

WATER

CATEGORY	TASK	624.0100 WATER MGAL	REMARKS
0010	COMPACTION	1,870	
0010	DUST CONTROL	2,400	
	PROJECT TOTAL	4,270	

TRAFFIC CONTROL ITEMS

CATEGORY	LOCATION	DAYS	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0800 TRAFFIC CONTROL ARROW BOARDS DAY	643.0900 TRAFFIC CONTROL SIGNS DAY	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	643.1000 CONTROL SIGNS FIXED MESSAGE SF	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF	REMARKS
0010	STAGE 1	80	9,600	800	--	--	800	2,880	--	5,040	--	--	14	120	
0010	STAGE 2	55	21,175	1,705	--	--	2,530	2,475	--	4,565	--	--	14	--	
0010	STAGE 3	90	40,230	2,520	29	29	3,420	2,340	--	5,850	--	--	14	48	
0010	STAGE 3 CTH M CLOSURE	15	--	330	--	--	555	--	--	255	--	--	15	--	
0010	STAGE 3 CTH K CLOSURE	35	--	210	--	--	280	--	--	140	--	--	35	--	
0010	STAGE 4A	40	13,800	40	--	--	80	280	--	1,600	--	--	14	24	
0010	STAGE 4A CTH M CLOSURE	40	13000	2,200	11	11	3160	280	--	1,640	--	--	40	--	
0010	STAGE 4B	30	6,270	390	--	--	660	0	--	360	--	--	14	--	
0010	STAGE 5	25	6,225	350	--	--	700	200	25	625	--	--	14	--	
0010	ALTERNATE ROUTE	240	--	3,120	--	--	--	--	--	43,200	5	152	237	--	COVERING SIGNS ONE CYCLE
0010	UNDISTRIBUTED		10,210	945	5	5	1,230	755	5	3,035	--	--	21	--	
	PROJECT TOTAL		120,510	12,610	45	45	13,415	9,210	30	66,310	5	152	432	192	

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GEOGRID TYPE SSR

CATEGORY	STATION	TO	STATION	LOCATION	645.0260 GEOGRID TYPE SSR SY	REMARKS
0010	322+00 'WB'	-	335+00 'WB'	CTH M	29,400	
0010	12+50 'WD'	-	16+00 'WD'	WOODLAND DRIVE	6,500	
				PROJECT TOTAL	35,900	

CONSTRUCTION STAKING

CATEGORY	STATION	TO	STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF	REMARKS
0010	271+50 'EB'	-	384+00 'EB'	CTH M	11,250	11,250	13,907	5	11,250	
0010	271+50 'WB'	-	384+00 'WB'	CTH M	11,250	11,250	12,333	5	11,250	
0010	10+00 'NSB'	-	18+14 'NSB'	NORTH SHORE BAY DR	814	814	514	3	814	
0010	65+00 'K'		86+84 'K'	CTH K	2,184	2,184	3,421	3	2,184	
0010	11+19 'WD'	-	22+84 'WD'	WOODLAND DR	1,165	1,165	2,149	1	1,165	
0010	10+00 'ML'	-	12+75 'ML'	MARY LAKE RD	275	275	240	1	275	
0010	307+36 'BP1'	-	310+55 'BP1'	BIKE PATH	319	319	--	2	319	
0010	327+14 'BP2'	-	365+52 'BP2'	BIKE PATH	3,837	3,837	--	8	3,837	
0010	377+22 'BP3'	-	387+12 'BP3'	BIKE PATH	990	990	--	4	990	
				PROJECT TOTAL	32,084	32,084	32,564	32	32,084	

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TEMPORARY PAVEMENT MARKING ITEMS

CATEGORY	LOCATION	643.3105 TEMPORARY MARKING LINE PAINT 4-INCH WHITE LF	643.3105 TEMPORARY MARKING LINE PAINT 4-INCH YELLOW LF	643.3150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE LF	643.3150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW LF	643.3205 TEMPORARY MARKING LINE 8-INCH PAINT LF	643.3250 TEMPORARY MARKING LINE 8-INCH REMOVABLE TAPE LF	643.3505 TEMPORARY MARKING ARROW PAINT EACH	643.3550 TEMPORARY MARKING ARROW REMOVABLE TAPE EACH	643.3805 TEMPORARY MARKING STOP LINE 18-INCH PAINT LF	643.3850 TEMPORARY MARKING STOP LINE 18-INCH REMOVABLE TAPE LF	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9100 MARKING REMOVAL LINE 8-INCH LF	646.9200 MARKING REMOVAL LINE WIDE LF	646.9300 MARKING REMOVAL SPECIAL MARKING EACH	REMARKS
0010	STAGE 1	4,632	5,210	4,363	4,384	449	--	4	--	73	--	4,019	205	69	4	
0010	STAGE 2	14,407	18,477	--	--	362	--	3	--	58	--	15,044	812	297	19	
0010	STAGE 3	2,370	3,370	5,867	5,827	345	576	5	2	100	57	--	--	--	--	
0010	STAGE 4A	--	--	3,435	17,421	--	315	--	3	--	95	--	--	--	--	
0010	STAGE 4B	--	--	1,225	1,703	--	823	--	2	--	73	--	--	--	--	
	SUBTOTAL	21,409	27,057	14,890	29,335											
	PROJECT TOTAL	48,466		44,225		1,156	1,714	12	7	231	225	19,063	1,017	366	23	

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	MISCELLANEOUS QUANTITIES	SHEET 425	E

LIGHTING CONDUIT AND WIRE

CATEGORY	FROM	-	TO	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	671.0122 CONDUIT HDPE 2-DUCT 2-INCH LF	REMARKS
0010	CV 100	-	CV 101	946	930	--
0010	CV 101	-	CV 102	61	45	--
0010	CV 102	-	CV 103	1,541	1,525	--
0010	CV 103	-	CV 104	916	900	--
0010	CV 104	-	CV 120	1,456	1,440	--
0010	CV 104	-	CV 121	841	825	--
0010	CV 104	-	CV 105	776	760	--
0010	CV 105	-	CV 106	341	125	CONDUIT IN STRUCTURE
0010	CV 106	-	CV 107	1,281	1,265	--
0010	CV 107	-	CV 108	806	790	--
0010	CV 107	-	CV 109	1,376	1,360	--
0010	CV 109	-	CV 110	1,376	1,360	--
0010	CV 110	-	CV 111	261	245	--
0010	CV 110	-	CV 112	246	230	--
0010	CV 110	-	CV 113	1,041	1,025	--
0010	CV 113	-	CV 114	171	155	--
0010	CV 113	-	CV 115	1,186	1,170	--
0010	CV 115	-	CV 116	241	225	--
0010	CV 115	-	CV 117	936	920	--
0010	CV 117	-	CV 118	176	160	--
0010	CV 117	-	CV 119	236	220	--
PROJECT TOTAL				16,211	15,675	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

COMMUNICATION VAULTS

CATEGORY	PULLBOX NUMBER	STATION	OFFSET	R/L	673.0105 COMMUNICATION VAULT TYPE 1 EACH	REMARKS
0010	CV 100	271+88 'WB'	38.7'	LT	1	
0010	CV 101	280+98 'WB'	35.7'	LT	1	
0010	CV 102	280+98 'WB'	7.4'	RT	1	
0010	CV 103	296+33 'WB'	8.2'	RT	1	
0010	CV 104	305+35 'WB'	6.2'	RT	1	
0010	CV 105	312+53 'EB'	6.1'	LT	1	
0010	CV 106	315+71 'EB'	5.4'	LT	1	
0010	CV 107	328+39 'EB'	8.0'	LT	1	
0010	CV 108	18+94 'WD'	24.2'	RT	1	
0010	CV 109	341+91 'EB'	8.3'	LT	1	
0010	CV 110	355+41 'EB'	6.3'	LT	1	
0010	CV 111	12+19 'ML'	18.5'	RT	1	
0010	CV 112	10+36 'KU'	15.4'	RT	1	
0010	CV 113	365+73 'EB'	8.0'	LT	1	
0010	CV 114	366+38 'EB'	122.2'	RT	1	
0010	CV 115	377+97 'WB'	6.0'	RT	1	
0010	CV 116	377+60 'EB'	191.3'	RT	1	
0010	CV 117	387+25 'WB'	7.8'	RT	1	
0010	CV 118	387+42 'EB'	124.0'	RT	1	
0010	CV 119	387+98 'WB'	195.1'	LT	1	
0010	CV 120	71+99 'KEB'	25.0'	RT	1	
0010	CV 121	10+39 'NS'	23.4'	LT	1	
PROJECT TOTAL					22	

SAWING

CATEGORY	STATION	TO	STATION	LOCATION	* 690.0150 SAWING ASPHALT LF	REMARKS
0010	271+50 'EB'			CTH M	210	
0010	388+00 'EB'	-	388+25 'EB'	BLUE BILL/WESTPORT RD	96	
0010	404+76 'WB'			CTH M	26	
0010	405+00 'EB'			CTH M	50	
0010	71+87 'K'			CTH K	32	
0010	10+00 'NS'			NORTH SHORE BAY DR	20	
0010	19+10 'WD'			WOODLAND DR	34	
0010	10+20 'MA'			MANSFIELD RD	10	
0010	12+25 'ML'			MARY LAKE RD	22	
0010	10+00 'KU'			KUPFER RD	14	
0010	12+00 'WW'			WILLOW ROAD (WEST)	22	
0010	10+40 'WE'	-	11+00 'WE'	WILLOW ROAD (EAST)	97	
0010	10+26 'SL'			SHILLING LANE	20	
0010	14+06 'SL'			SHILLING LANE CUL-DE-SAC	20	
0010	310+54 'BP1'			MULTI USE PATH	10	
0010				STAGE 1	1,890	
0010				STAGE 2	3,170	
0010				STAGE 3	1,500	
0010				STAGE 4	650	
0010				STAGE 5	850	
				PROJECT TOTAL	8,743	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

SPV-INLET SPECIAL

CATEGORY	STAGE	STRUCTURE	STATION	OFFSET**	LOCATION	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	SPV.0060.01 SPECIAL (01. POND OUTLET STRUCTURE) EACH	SPV.0060.02 SPECIAL (02. INLET SPECIAL) EACH	RIM*** ELEVATION	INVERT**** ELEVATION	DEPTH***** FT
	STAGE 2										
0010		0111	10+95.45	46.4'LT	ML	1	1	--	857.00	854.79	2.16
					STAGE 2 SUBTOTAL	1	1	--			
	STAGE 3										
0010		31W	331+35.00	1.5'RT	WB	1		1	861.44	858.99	
0010		37W	337+75.00	1.5'RT	WB	1	--	1	863.47	861.47	--
0010		282	282+00.07	1.5'RT	WB	1	--	1	862.08	860.08	--
0010		291	291+00.00	1.5'RT	WB	1	--	1	868.02	866.02	--
0010		294	294+00.00	1.5'RT	WB	1	--	1	869.95	867.95	--
0010		300	300+00.00	1.5'RT	WB	1		1	868.33	866.33	
					STAGE 3 SUBTOTAL	6	--	6			
	STAGE 4										
0010		37F	337+50.01	1.5'LT	EB	1	--	1	863.49	861.49	--
0010		281	281+50.19	1.5'LT	EB	1	--	1	861.82	859.82	--
0010		290	290+00.00	1.5'LT	EB	1	--	1	866.60	864.60	--
0010		331	331+35.01	1.5'LT	EB	1	--	1	861.44	859.00	--
					STAGE 4 SUBTOTAL	4	--	4			
					PROJECT TOTAL	11	1	10			

REMARKS:
*ADDITIONAL QUANTITIES LISTED ELSEWHERE
**STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
***RIM ELEV IS AT THE INLET COVER FLANGE LOCATION
****FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP
FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE
*****DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT

BIRD DETERRENT SYSTEM

CATEGORY	STATION	LOCATION	999.2000.S.01 INSTALLING AND MAINTAINING BIRD DETERRENT SYSTEM (STATION) (01. STA 314+50 'WB') EACH	REMARKS
0010	314+50 'WB'	B-13-439	1	
		PROJECT TOTAL	1	

WETLAND MITIGATION

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0035.03 WETLAND MITIGATION CY	SPV.0060.10 FISH STICKS EACH	REMARKS
0010	361+50 'EB'	-	364+50 'EB'	Area #1	2,400	--	
0010	364+50 'EB'	-	367+00 'EB'	Area #2	1,900	4	
				PROJECT TOTAL	4,300	4	

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GAS MAIN PROTECTION

CATEGORY	STATION	LOCATION	SPV.0060.20 SPECIAL (20. GAS MAIN PROTECTION (STA 368+20)) EACH	REMARKS
0010	368+20	CTH M	1	
		PROJECT TOTAL	1	

SURCHARGE LOADING

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0035.02 SURCHARGE LOADING CY	SPV.0060.04 SETTLEMENT GAUGES EACH	REMARKS
0010	281+00 'WB'	-	282+00 'WB'	CTH M	1,200	2	
0010	322+00 'WB'	-	335+00 'WB'	CTH M	13,100	4	
0010	12+50 'WD'	-	16+00 'WD'	WOODLAND DRIVE	2,600	3	
				PROJECT TOTAL	16,900	9	

3

BOARDWALK

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0060.07 HELICAL PILE EACH	SPV.0090.03 BOARDWALK LF	REMARKS
0010	326+42.17 'BPS	-	326+74.15 'BPS'	MULTI-USE PATH	6	32	
0010	327+14 'BPS'	-	333+21.5 'BPS'	MULTI-USE PATH	82	608	
				PROJECT TOTAL	88	640	

LAND PARCEL MONUMENTS

CATEGORY	LOCATION	SPV.0060.21 SPECIAL (21. RESEARCH AND LOCATE EXISTING LAND PARCEL MONUMENTS) EACH	SPV.0060.22 SPECIAL (22. VERIFY AND REPLACE EXISTING LAND PARCEL MONUMENTS) EACH	REMARKS
0010	CTH M	4	4	
	PROJECT TOTAL	4	4	

UTILITY LINE OPENING

CATEGORY	LOCATION	SPV.0060.23 SPECIAL (23. UTILITY LINE OPENING (ULO)) EACH	REMARKS
0010	UNDISTRIBUTED	10	
	PROJECT TOTAL	10	

TEMPORARY SHORING LEFT IN PLACE

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0165.01 TEMPORARY SHORING LEFT IN PLACE SF	REMARKS
0010	311+50 'EB'	-	313+95 'EB'	CTH M RT	1,800	
0010	314+70 'EB'	-	317+50 'EB'	CTH M RT	2,900	
				PROJECT TOTAL	4,700	

SANITARY SEWER ITEMS

CATEGORY	STATION		LOCATION	SPV.0060.09 SPECIAL (09. RECONSTRUCT SANITARY MANHOLE) EACH	EXISTING ELEVATION	PROPOSED ELEVATION	ELEVATION DIFF
0010	381+30 'EB'	49.5' RT	CTH M	1	859.58	861.75	2.17
0010	382+67 'EB'	53.0' RT	CTH M	1	859.49	860.74	1.25
			PROJECT TOTAL	2			

EXCAVATION, HAULING, AND DISPOSAL OF CONTAMINATED SOIL

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0195.01 SPECIAL (01. EXCAVATION, HAULING, AND DISPOSAL OF CONTAMINATED SOIL) TON	REMARKS
0010	305+00 'WB'	-	311+00 'WB'	CTH M LT	4,500	
				PROJECT TOTAL	4,500	

RESTORATION

CATEGORY	STATION		OFFSET	LOCATION	625.0500 SALVAGED TOPSOIL SY	629.0210 FERTILIZER TYPE B CWT	630.0500 SEED WATER MGAL	630.0130 SEEDING MIXTURE NO. 30 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0160 SEEDING MIXTURE NO. 60 LB	630.0200 SEEDING TEMPORARY LB	630.0300 SEEDING BORROW PIT LB	632.0201 SHRUBS PRUNUS AMERICANA DIAM: 9-INCH DEPTH: 6-INCH, SIZE 24-INCH EACH	REMARKS
0010	271+54 'EB'	272+15 'EB'	RT	CTH M/ONCKEN RD - NE CORNER	110	0.07	0.63	2	-	-	-	-	-	-
0010	272+05 'EB'	278+24 'EB'	RT	CTH M	1220	0.38	3.38	10.82	-	-	-	-	-	-
0010	272+13 'EB'	279+49 'EB'	LT	CTH M	-	-	-	-	-	-	-	-	34	-
0010	274+36 'EB'	289+15 'EB'	LT	CTH M - MEDIAN	2700	1.70	15.15	48.56	-	-	-	-	-	-
0010	289+36 'EB'	304+94 'EB'	RT	CTH M - N SHORE BAY DR	3500	0.52	4.65	14.91	-	-	-	-	-	-
0010	289+45 'EB'	302+94 'EB'	LT	CTH M - MEDIAN	2880	0.66	5.88	18.84	-	-	-	-	-	-
0010	298+72 'EB'	302+82 'EB'	LT	CTH M	-	-	-	-	-	-	-	-	21	-
0010	12+53 'NSN'	15+86 'NSN'	RT	N SHORE BAY DR/CTH M	-	-	-	-	-	-	-	-	21	-
0010	10+00 'SC'	14+06 'EB'	RT	SHILLING LN CULDESAC	420	0.15	1.32	4.23	-	-	-	-	-	-
0010	10+00 'SC'	14+06 'EB'	LT	SHILLING LN CULDESAC	330	0.21	1.86	5.97	-	-	-	-	-	-
0010	297+34 'EB'	79+02 'K'	LT	CTH M/CTH K	5280	2.37	21.13	67.73	-	-	-	-	-	-
0010	78+41 'K'	10+26 'S'	RT	CTH K/SHILLING LN	250	0.16	1.44	4.59	-	-	-	-	-	-
0010	10+26 'S'	71.88 'K'	RT	SHILLING LN/CTH K	1510	0.95	8.5	27.24	-	-	-	-	-	-
0010	71+87 'K'	75+15 'K'	LT	CTH K	410	0.26	2.32	7.44	-	-	-	-	-	-
0010	82+48 'K'	310+55 'EB'	RT	CTH K/CTH M	-	-	0	-	-	-	-	-	30	-
0010	75+50 'K'	78+02 'K'	LT	CTH K	240	0.15	1.35	4.3	-	-	-	-	-	-
0010	77+88 'K'	78+34 'K'	LT	CTH K - MEDIAN	60	0.04	0.35	1.12	-	-	-	-	-	-
0010	78+32 'K'	11+64 'DW1'	LT	CTH K/DRIVEWAY	1120	0.62	5.54	17.76	-	-	-	-	-	-
0010	11+64 'DW1'	82+25 'K'	LT	DRIVEWAY/CTH K	130	0.08	0.71	2.26	-	-	-	-	-	-
0010	79+04 'K'	81+95 'K'	LT	CTH K - MEDIAN	550	0.35	3.11	9.96	-	-	-	-	-	-
0010	82+24 'K'	86+11 'K'	LT	CTH K - MEDIAN	980	0.62	5.5	17.64	-	-	-	-	-	-
0010	85+51 'K'	85+97 'K'	LT	CTH K/CTH M - NE CORNER	40	0.02	0.21	0.67	-	-	-	-	-	-
0010	10+00 'NSN'	310+45 'EB'	RT	N SHORE BAY DR/CTH M	2760	1.74	15.5	-	-	37.27	-	-	-	-
0010	308+85 'EB'	309+59 'EB'	RT	SHARED USE PATH - MEDIAN	240	0.15	1.38	4.4	-	-	-	-	-	-
0010	310+71 'EB'	313+98 'EB'	RT	SHARED USE PATH BOARDWALK	780	0.49	4.39	-	-	10.54	-	-	-	-
0010	314+62 'EB'	319+52 'EB'	RT	CTH M - MANSFIELD RD	1040	0.66	5.86	18.77	-	-	-	-	-	-
0010	10+83 'MA'	10+21 'MA'	LT	MANSFIELD RD	70	0.05	0.41	1.29	-	-	-	-	-	-
0010	10+21 'MA'	10+90 'MA'	RT	MANSFIELD RD	100	0.06	0.57	1.83	-	-	-	-	-	-
0010	319+97 'EB'	326+65.34	RT	CTH M	3770	1.67	14.86	47.63	-	-	-	-	-	-
0010	316+44 'EB'	327+18 'EB'	LT	CTH M	3070	0.71	6.37	20.4	-	-	-	-	-	-
0010	11+70 'WL'	19+10 'WL'	LT	WOODLAND DR	610	0.39	3.44		-	8.26	-	-	-	-
0010	321+05 'EB'	326+65 'EB'	LT	CTH M - MEDIAN	860	0.54	4.83	15.46	-	-	-	-	-	-
0010	326+75 'EB'	339+32 'EB'	RT	CTH M	2790	0.13	1.2	3.85	-	-	-	-	-	-
0010	328+00 'EB'	339+26 'EB'	LT	CTH M - MEDIAN	1770	1.11	9.93	31.82	-	-	-	-	-	-
0010	335+35 'EB'	339+31 'EB'	LT	CTH M	1020	0.65	5.76	18.44	-	-	-	-	-	-
0010	339+51 'EB'	343+59 'EB'	LT	CTH M	1050	0.66	5.89	18.88	-	-	-	-	-	-
0010	339+56 'EB'	345+10 'EB'	LT	CTH M - MEDIAN	1530	0.97	8.61	27.61	-	-	-	-	-	-
0010	339+50 'EB'	345+13 'EB'	RT	CTH M	250	0.08	0.74	2.35	-	-	-	-	-	-
0010	345+37 'EB'	354+04 'EB'	RT	CTH M	460	0.22	2	6.4	-	-	-	-	-	-
0010	345+40 'EB'	352+03 'EB'	LT	CTH M - MEDIAN	1710	1.08	9.61	30.81	-	-	-	-	-	-
0010	12+23 'ML'	356+83 'EB'	LT	MARY LAKE RD/CTH M	1410	0.77	6.87	-	-	16.51	-	-	-	-
0010	356+63 'EB'	357+48 'EB'	LT	CTH M -MEDIAN	130	0.08	0.71	2.27	-	-	-	-	-	-
0010	357+78 'EB'	376+39 'EB'	LT	CTH M -MEDIAN	3440	0.46	4.11	13.18	-	-	-	-	-	-
0010	362+56 'EB'	363+34 'EB'	LT	CTH M/WETLAND RESTORATION AREA ACCESS ROAD	1340	0.84	7.5	-	-	18.03	-	-	-	-
0010	363+62 'EB'	367+45 'EB'	LT	CTH M	-	-	-	-	-	-	-	-	18	-
				SUBTOTAL	51930	22.83	203.57	531.43	0	90.61	0	0	124	

RESTORATION

CATEGORY	STATION		OFFSET	LOCATION	625.0500 SALVAGED TOPSOIL SY	629.0210 FERTILIZER TYPE B CWT	630.0500 SEED WATER MGAL	630.0130 SEEDING MIXTURE NO. 30 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0160 SEEDING MIXTURE NO. 60 LB	630.0200 SEEDING TEMPORARY LB	630.0300 SEEDING BORROW PIT LB	632.0201 SHRUBS PRUNUS AMERICANA DIAM: 9-INCH DEPTH: 6-INCH, SIZE 24-INCH EACH	REMARKS
0010	371+07 'EB'	11+38 'WE'	RT	CTH M/WILLOW RD (EAST)	1760	1.11	9.9	31.72	-	-	-	-	-	-
0010	10+97 'WE'	10+46 'WE'	LT	WILLOW RD (EAST)	30	0.02	0.19	0.59	-	-	-	-	-	-
0010	10+30 'WE'	10+62 'WE'	RT	WILLOW RD (EAST)	20	0.01	0.09	0.29	-	-	-	-	-	-
0010	10+93 'WE'	387+37 'EB'	RT	WILLOW RD (EAST)/CTH M - BLUE BILL PARK DR	2660	0.01	0.09	0.29	-	-	-	-	-	-
0010	378+62 'EB'	382+42 'EB'	LT	CTH M	710	0.45	3.98	12.74	-	-	-	-	-	-
0010	380+22 'EB'	387+06 'EB'	LT	CTH M -MEDIAN	1360	0.46	4.09	13.1	-	-	-	-	-	-
0010	382+76 'EB'	383+74 'EB'	LT	CTH M	170	0.11	0.94	3.01	-	-	-	-	-	-
0010	387+02 'EB'	387+49 'EB'	LT	CTH M/BLUE BILL PARK DR - NW CORNER	30	0.00	0.02	0.05	-	-	-	-	-	-
0010	387+95 'EB'	388+14 'EB'	LT	CTH M/BLUE BILL PARK DR - NE CORNER	10	0.00	0.04	0.13	-	-	-	-	-	-
0010	387+96 'EB'	388+98 'EB'	RT	CTH M/BLUE BILL PARK DR - NW CORNER	140	0.05	0.41	1.3	-	-	-	-	-	-
0010	271+61 'EB'	281+61 'EB'	LT	CTH M	6680	4.21	37.54	-	-	90.24	-	-	-	-
0010	275+05 'EB'	289+15 'EB'	LT	CTH M - MEDIAN	3970	2.50	22.3	71.49	-	-	-	-	-	-
0010	288+36 'EB'	289+00 'EB'	RT	CTH M	40	0.02	0.2	-	-	0.48	-	-	-	-
0010	289+55 'EB'	302+94 'EB'	LT	CTH M - MEDIAN	3480	2.19	19.54	62.62	-	-	-	-	-	-
0010	289+51 'EB'	295+64 'EB'	RT	CTH M	440	0.28	2.48	-	-	5.95	-	-	-	-
0010	278+24 'EB'	288+18 'EB'	RT	CTH M/DORN CREEK POND	4910	3.10	27.6	-	-	66.35	-	-	-	-
0010	289+42 'EB'	297+34 'EB'	LT	CTH M	5260	2.29	20.38	-	-	71.06	-	-	-	-
0010	296+40 'EB'	304+94 'EB'	RT	CTH M	490	0.31	2.78	-	-	6.68	-	-	-	-
0010	298+89 'EB'	79+88 'K'	LT	CTH M/CTH K	1090	0.36	3.18	-	-	14.78	-	-	-	-
0010	71+85 'K'	76+30 'K'	RT	CTH K	260	0.16	1.46	-	-	3.5	-	-	-	-
0010	77+88 'K'	78+34 'K'	LT	CTH K - MEDIAN	60	0.04	0.35	1.12	-	-	-	-	-	-
0010	78+54 'K'	81+81 'K'	LT	CTH K	80	0.05	0.46		-	1.1	-	-	-	-
0010	79+06 'K'	81+97 'K'	LT	CTH K - MEDIAN	550	0.35	3.11	9.96	-	-	-	-	-	-
0010	82+24 'K'	86+13 'K'	LT	CTH K - MEDIAN	980	0.62	5.5	17.64	-	-	-	-	-	-
0010	82+20 'K'	313+84 'EB'	LT	CTH K/CTH K POND/CTH M	11850	7.46	66.53		-	159.95	-	-	-	-
0010	304+94 'EB'	10+59 'CC'	RT	CTH M/N SHORE BAY DR/CORNER CT	2080	0.14	1.26	-	-	28.13	-	-	-	-
0010	10+55 'CC'	10+00 'NSN'	RT	CORNER CT/N SHORE BAY DR	2850	1.80	16.03	-	-	38.55	-	-	-	-
0010	12+68 'NSN'	17+35 'NSN'	RT	N SHORE BAY DR POND	6720	4.23	37.72	-	-	90.69	-	-	-	-
0010	306+73 'EB'	314+03 'EB'	RT	CTH M	1930	0.37	3.28	-	-	26.08	-	-	-	-
0010	314+49 'EB'	316+44 'EB'	LT	CTH M	470	0.30	2.66	-	-	6.38	-	-	-	-
0010	314+51 'EB'	319+59 'EB'	RT	CTH M - MANSFIELD RD	1300	0.82	7.3	-	-	17.54	-	-	-	-
0010	321+04 'EB'	326+66 'EB'	LT	CTH M - MEDIAN	860	0.54	4.83	15.46	-	-	-	-	-	-
0010	19+10 'WL'	335+35 'EB'	RT	WOODLAND DR/CTH M	4420	2.78	24.82	-	-	59.66	-	-	-	-
0010	335+37 'EB'	339+25 'EB'	LT	CTH M	240	0.15	1.34	-	-	3.21	-	-	-	-
0010	327+99 'EB'	339+25 'EB'	LT	CTH M- MEDIAN	3120	1.97	17.53	56.18	-	-	-	-	-	-
0010	333+08 'EB'	339+33 'EB'	RT	CTH M	1440	0.91	8.1	-	-	19.47	-	-	-	-
0010	339+47 'EB'	345+16 'EB'	RT	CTH M	630	0.40	3.57	-	-	8.57	-	-	-	-
0010	339+47 'EB'	345+11 'EB'	LT	CTH M - MEDIAN	1530	0.97	8.61	27.61	-	-	-	-	-	-
0010	345+32 'EB'	10+16 'KU'	RT	CTH M - KUPFER RD	3200	2.02	17.99	-	-	43.25	-	-	-	-
0010	339+61 'EB'	345+03 'EB'	RT	CTH M	320	0.20	1.8	-	-	4.33	-	-	-	-
0010	339+61 'EB'	344+09 'EB'	LT	CTH M	250	0.16	1.39	-	`	3.33	-	-	-	-
0010	343+59 'EB'	12+25 'ML'	LT	MARY LAKE POND EXTENSION	8160	1.24	11.02	-	-	110.23	-	-	-	-
0010	12+24 'ML'	357+64 'EB'	LT	MARY LAKE RD/CTH M	1310	0.13	1.18	-	-	17.64	-	-	-	-
0010	10+15 'KU'	11+16 'WW'	RT	KUPFER RD - WILLOW RD (WEST)	5850	1.95	17.42	-	-	78.92	-	-	-	-
0010	356+62 'EB'	357+48 'EB'	LT	CTH M - MEDIAN	130	0.08	0.71	2.27	-	-	-	-	-	-
				SUBTOTAL	93840	47.3	421.72	327.57	0	976.07	0	0	0	

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					RESTORATION									
					625.0500	629.0210	630.0500	630.0130	630.0140	630.0160	630.0200	630.0300	632.0201	
CATEGORY	STATION		OFFSET	LOCATION	SALVAGED TOPSOIL SY	FERTILIZER TYPE B CWT	SEED WATER MGAL	SEEDING MIXTURE NO. 30 LB	SEEDING MIXTURE NO. 40 LB	SEEDING MIXTURE NO. 60 LB	SEEDING TEMPORARY LB	SEEDING BORROW PIT LB	SHRUBS PRUNUS AMERICANA DIAM: 9-INCH DEPTH: 6-INCH, SIZE 24-INCH EACH	REMARKS
0010	357+80 'EB'	376+40 'EB'	LT	CTH M- MEDIAN	3440	2.17	19.3	61.87	-	-	-	-	-	-
0010	380+21 'EB'	387+07 'EB'	LT	CTH M	1360	0.40	3.54	-	-	18.33	-	-	-	-
0010	363+32 'EB'	381+01 'EB'	LT	CTH M	7460	0.37	3.33	-	-	100.69	-	-	-	-
0010	12+00 'WW'	371+07 'EB'	RT	WILLOW RD (WEST)/CTH M	2080	1.12	9.96	-	-	28.06	-	-	-	-
0010	82+11 'K'	310+19 'EB'	LT	EX. CTH K	8240	5.19	46.26	-	-	-	-	222.45	-	BORROW PIT
				UNDISTRIBUTED (25%)	39510	19.84	176.92	230.22	716.77	303.44	1064.82	55.62	30	-
				SUBTOTAL	62090	29.09	259.31	292.09	716.77	450.52	1064.82	278.07	30	
				PROJECT TOTAL	207900	100	890	1160	720	1520	1070	280	154	

REMOVING SIGNS

CATEGORY	SIGN NO.	STATION	OFFSET	LOCATION	SIGN CODE	638.3000 REMOVING SMALL SIGN SUPPORTS EA	638.2602 REMOVING SIGNS TYPE II EA	SIGN MOUNTED ON SAME POST AS	REMARKS
0010	2-1	274+19 'EB'	4.3 LT	CTH M	W6-2	1	1	-	-
0010	2-4	274+18 'EB'	27.8 RT	CTH M	R2-1	1	1	-	-
0010	2-5	271+66 'EB'	54.6 RT	CTH M/ONCKEN RD - NE CORNER	R1-1	1	1	-	-
0010	-	272+04 'EB'	30.1 RT	CTH M	-	1	-	-	POST WITH NO SIGN
0010	2-7	271+97 'EB'	3.5 LT	CTH M/ONCKEN RD - N MEDIAN	R4-7	1	1	-	-
0010	2-10	271+07 'EB'	64.5 LT	CTH M/ONCKEN RD - SW CORNER	R1-1	1	1	-	-
0010	3-1	276+82 'EB'	2.7 RT	CTH M - MEDIAN	R4-7	1	1	3-2	-
0010	3-2	276+82 'EB'	2.7 RT	CTH M - MEDIAN	W5-54	-	1	3-1	-
0010	3-3	277+08 'EB'	23.9 LT	CTH M	R4-4	1	1	-	-
0010	3-4	278+24 'EB'	15.7 LT	CTH M	D3-1	1	1	-	-
0010	3-6	280+73 'EB'	15.3 LT	CTH M	W6-1	1	1	-	-
0010	3-7	281+11 'EB'	39.8 RT	CTH M	I3-1	1	1	-	-
0010	3-9	277+24 'EB'	33.2 RT	CTH M	W6-3	1	1	-	-
0010	4-1	282+24 'EB'	17.2 LT	CTH M	I3-1	1	1	-	-
0010	4-3	286+09 'EB'	31.5 RT	CTH M	W1-2R	1	1	-	-
0010	5-1	287+92 'EB'	25.6 RT	CTH M	S3-1	1	1	-	-
0010	6-2	295+66 'EB'	31 LT	CTH M	R2-1	1	1	-	-
0010	6-3	297+16 'EB'	24.2 RT	CTH M	W6-1	1	1	-	-
0010	6-6	295+20 'EB'	19.2 RT	CTH M	R2-1	1	1	-	-
0010	7-1	300+88 'EB'	34.6 LT	CTH M	W6-3	1	1	-	-
0010	7-7	300+64 'EB'	28.7 RT	CTH M	W3-3	1	1	-	-
0010	7-8	299+14 'EB'	25.2 RT	CTH M	R10-64	1	1	-	-
0010	7-10	298+30 'EB'	23.8 RT	CTH M	M2-1	1	1	7-11	-
0010	7-11	298+30 'EB'	23.8 RT	CTH M	M1-5A	-	1	7-10	-
0010	8-1	303+04 'EB'	1.6 LT	CTH M - MEDIAN	R4-7	1	1	-	-
0010	8-2	303+32 'EB'	41.9 LT	CTH M	W11-3	1	1	-	-
0010	8-4	304+32 'EB'	46.3 LT	CTH M	W6-2	1	1	-	-
0010	8-5	305+27 'EB'	49.9 LT	CTH M	D7-51	2	1	-	-
0010	8-14	306+24 'EB'	56.8 LT	CTH M	S3-1	1	1	-	-
0010	8-20	307+02 'EB'	61.5 LT	CTH M	R2-1	1	1	-	-
0010	8-21	307+49 'EB'	64 LT	CTH M	M1-5A	1	1	-	-
0010	8-41	304+33 'EB'	13.7 LT	CTH M - MEDIAN	W6-2	1	1	-	-
0010	9-1	308+39 'EB'	32 LT	CTH M/EX. CTH K- W MEDIAN	R1-1F	-	1	9-2,9-3	ON SIGNAL POLE
0010	9-2	308+39 'EB'	32 LT	CTH M/EX. CTH K- W MEDIAN	R4-7	-	1	9-1,9-3	ON SIGNAL POLE
0010	9-3	308+39 'EB'	32 LT	CTH M/EX. CTH K- W MEDIAN	R3-4	-	1	9-1,9-2	ON SIGNAL POLE
0010	9-4	308+60 'EB'	80.9 LT	CTH M/EX. CTH K- NW CORNER	R1-1F	-	1	-	ON SIGNAL POLE
0010	9-5	308+67 'EB'	108.4 LT	CTH M/EX. CTH K- NW CORNER	M6-4	1	1	9-5A	-
0010	9-5A	308+67 'EB'	108.4 LT	CTH M/EX. CTH K- NW CORNER	M1-5A	-	1	9-5	-
0010	9-6	308+69 'EB'	221.9 LT	EX. CTH K	R2-1	1	1	-	-
0010	9-7	309+01 'EB'	181.2 LT	EX. CTH K	W16-5PR	1	1	-	-
0010	9-8	309+08 'EB'	171.3 LT	EX. CTH K	M1-5A	1	1	-	-
0010	9-9	309+27 'EB'	130.6 LT	EX. CTH K	I55-56	1	1	9-10	-
0010	9-10	309+27 'EB'	130.6 LT	EX. CTH K	I55-56P	-	1	9-9	-
0010	9-11	309+60 'EB'	77.4 LT	CTH M/EX. CTH K- NE CORNER	M1-5A	1	1	9-12	-
0010	9-12	309+60 'EB'	77.4 LT	CTH M/EX. CTH K- NE CORNER	M6-1	-	1	9-11	-
				SUBTOTAL		37	44		

REMOVING SIGNS

CATEGORY	SIGN NO.	STATION	OFFSET	LOCATION	SIGN CODE	638.3000 REMOVING SMALL SIGN SUPPORTS EA	638.2602 REMOVING SIGNS TYPE II EA	SIGN MOUNTED ON SAME POST AS	REMARKS
0010	9-13	309+60 'EB'	77.2 LT	CTH M/EX. CTH K- NE CORNER	R1-2	1	1	-	-
0010	9-14	309+44 'EB'	55.5 LT	CTH M/EX. CTH K - NE MEDIAN	R1-1F	-	1	-	ON SIGNAL POLE
0010	9-15	309+65 'EB'	21.4 LT	CTH M/EX. CTH K- E MEDIAN	R1-1F	-	1	9-16,9-17	ON SIGNAL POLE
0010	9-16	309+65 'EB'	21.4 LT	CTH M/EX. CTH K- E MEDIAN	R4-7	-	1	9-15,9-17	ON SIGNAL POLE
0010	9-17	309+65 'EB'	21.4 LT	CTH M/EX. CTH K- E MEDIAN	R3-4	-	1	9-15,9-16	ON SIGNAL POLE
0010	9-18	310+57 'EB'	23.9 LT	CTH M - MEDIAN	W6-2	1	1	-	-
0010	9-19	311+15 'EB'	68.7 LT	CTH M	R3-8	2	1	-	-
0010	9-21	312+06 'EB'	29 LT	CTH M	R4-7	-	1	-	-
0010	9-22	312+44 'EB'	57.4 LT	CTH M	R4-4	1	1	-	-
0010	9-25	312+39 'EB'	1.4 LT	CTH M	W6-3	1	1	-	-
0010	9-26	310+57 'EB'	7.5 RT	CTH M	W6-2	1	1	-	-
0010	9-27	309+24 'EB'	66 RT	EX. N SHORE BAY DR	R7-1R	1	1	-	-
0010	9-28	309+36 'EB'	19.8 RT	CTH M/EX. N SHORE BAY DR - SE CORNER	R1-1F	-	1	-	ON SIGNAL POLE
0010	9-29	308+37 'EB'	13 RT	CTH M/EX. N SHORE BAY DR - SW CORNER	R1-1F	-	1	-	ON SIGNAL POLE
0010	9-30	308+37 'EB'	16.2 RT	CTH M/EX. N SHORE BAY DR - SW CORNER	M1-5A	1	1	9-31	-
0010	9-31	308+37 'EB'	16.2 RT	CTH M/EX. N SHORE BAY DR - SW CORNER	M6-1	-	1	9-30	-
0010	9-34	308+82 'EB'	71.9 RT	EX. N SHORE BAY DR	W11-15	-	1	9-32,9-33,9-35,9-36	-
0010	9-35	308+82 'EB'	71.9 RT	EX. N SHORE BAY DR	W16-7L	-	1	9-32,9-33,9-34,9-36	-
0010	9-36	308+82 'EB'	71.9 RT	EX. N SHORE BAY DR	R7-1L	-	1	9-32,9-33,9-34,9-35	-
0010	9-37	309+30 'EB'	65.8 RT	SHARED-USE PATH	FB-A	1	1	9-37A,9-37B	-
0010	9-37A	309+30 'EB'	65.8 RT	SHARED-USE PATH	R1-1B	-	1	9-37,9-37B	-
0010	9-37B	309+30 'EB'	65.8 RT	SHARED-USE PATH	FB-A	-	1	9-37,9-37A	-
0010	9-43	308+85 'EB'	128.4 RT	EX. N SHORE BAY DR	W14-1	1	1	9-44,9-45	-
0010	9-44	308+85 'EB'	128.4 RT	EX. N SHORE BAY DR	R7-1D	-	1	9-43,9-45	-
0010	9-45	308+85 'EB'	128.4 RT	EX. N SHORE BAY DR	R12-1	-	1	9-43,9-44	-
0010	10-1	315+40 'EB'	56.9 LT	CTH M	W1-2L	1	1	-	-
0010	10-2	316+62 'EB'	50.2 LT	CTH M	M1-5A	1	1	10-2A	-
0010	10-2A	316+62 'EB'	50.2 LT	CTH M	M2-1	-	1	10-2	-
0010	10-3	317+35 'EB'	50.9 LT	CTH M	W3-3	1	1	-	-
0010	10-4	317+04 'EB'	1.2 RT	CTH M	W6-1	1	1	-	-
0010	10-5	316+09 'EB'	2.3 LT	CTH M	R2-1	1	1	-	-
0010	10-7	314+97 'EB'	2 LT	CTH M	W11-3	1	1	-	-
0010	10-8	313+52 'EB'	5.5 LT	CTH M	M1-5A	1	1	-	-
0010	11-1	318+83 'EB'	43.9 LT	CTH M	W6-1	1	1	-	-
0010	11-3	319+83 'EB'	39.8 LT	CTH M	R10-64	1	1	-	-
0010	11-5	320+69 'EB'	38.3 LT	CTH M	W6-3	1	1	-	-
0010	11-7	322+87 'EB'	33.2 LT	CTH M	R2-1	1	1	-	-
0010	11-10	321+10 'EB'	6.8 LT	CTH M/MANSFIELD RD - E MEDIAN	R4-7	1	1	-	-
0010	11-13	320+02 'EB'	59.5 RT	SHARED-USE PATH	R1-1B	1	1	-	-
0010	11-23	319+63 'EB'	49.2 RT	CTH M	-	1	1	-	UNKNOWN SIGN CODE
0010	11-18	319+64 'EB	75 RT	SHARED-USE PATH	FB-A	1	1	11-19	-
0010	11-19	319+64 'EB	75 RT	SHARED-USE PATH	R1-1B	-	1	11-18	-
0010	11-20	318+75 'EB'	9.3 RT	CTH M	D3-1	2	1	-	-
0010	12-1	324+15 'EB'	32.8 LT	CTH M	W6-2	1	1	-	-
0010	12-14	327+48 'EB'	117.1 LT	WOODLAND DR	I55-56	1	1	12-15	-
				SUBTOTAL		30	45		

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REMOVING SIGNS

CATEGORY	SIGN NO.	STATION	OFFSET	LOCATION	SIGN CODE	638.3000 REMOVING SMALL SIGN SUPPORTS EA	638.2602 REMOVING SIGNS TYPE II EA	SIGN MOUNTED ON SAME POST AS	REMARKS
0010	12-15	327+48 'EB'	117.1 LT	WOODLAND DR	I55-56P	-	1	12-14	-
0010	12-19	328+14 'EB'	4.1 RT	CTH M - MEDIAN	W6-2	1	1	-	-
0010	12-20	329+11 'EB'	33.7 RT	CTH M	I55-56	1	1	12-21	-
0010	12-21	329+11 'EB'	33.7 RT	CTH M	I55-56P	-	1	12-20	-
0010	12-22	328+16 'EB'	37.8 RT	CTH M	W6-2	1	1	-	-
0010	12-23	327+74 'EB'	39.3 LT	CTH M/WOODLAND DR - NE CORNER	R1-1F	-	1	-	ON SIGNAL POLE
0010	12-24	327+62 'EB'	0.1 LT	CTH M/WOODLAND DR - E MEDIAN	R4-7	-	1	12-25	ON SIGNAL POLE
0010	12-25	327+62 'EB'	0.1 LT	CTH M/WOODLAND DR - E MEDIAN	R3-4	-	1	12-24	ON SIGNAL POLE
0010	12-26	326+55 'EB'	3.7 LT	CTH M/WOODLAND DR - W MEDIAN	R4-7	-	1	12-27	ON SIGNAL POLE
0010	12-27	326+55 'EB'	3.7 LT	CTH M/WOODLAND DR - W MEDIAN	R3-4	-	1	12-26	ON SIGNAL POLE
0010	12-28	326+78 'EB'	62.9 LT	CTH M/WOODLAND DR - NW CORNER	R1-1F	-	1	-	ON SIGNAL POLE
0010	12-33	327+60 'EB'	38.3 RT	SHARED USE PATH	I-SP	1	1	12-34	-
0010	12-34	327+60 'EB'	38.3 RT	SHARED USE PATH	FB-A	-	1	12-33	-
0010	12-39	326+62 'EB'	37.2 RT	CTH M/WOODLAND DR - SW CORNER	R1-1F	-	1	-	ON SIGNAL POLE
0010	12-48	324+16 'EB'	1.8 LT	CTH M - MEDIAN	W6-2	1	1	-	-
0010	13-1	329+77 'EB'	0.1 LT	CTH M - MEDIAN	R4-7	1	1	-	-
0010	13-2	331+24 'EB'	29 LT	CTH M	R4-4	1	1	-	-
0010	13-3	332+54 'EB'	27.6 LT	CTH M	D3-1	2	1	-	-
0010	13-6	331+47 'EB'	26.2 RT	CTH M	R2-1	1	1	-	-
0010	13-7	330+20 'EB'	29.5 RT	CTH M	W6-3	1	1	-	-
0010	14-1	334+82 'EB'	17.3 LT	CTH M	R4-18	1	1	-	-
0010	14-2	337+35 'EB'	7.4 LT	CTH M	W3-3	1	1	-	-
0010	15-1	339+94 'EB'	4.6 LT	CTH M	W6-1	1	1	-	-
0010	15-2	340+84 'EB'	4.1 LT	CTH M	R4-18	1	1	-	-
0010	15-4	344+73 'EB'	45.2 RT	CTH M	S3-1	1	1	-	-
0010	15-5	342+90 'EB'	44.4 RT	CTH M	W6-1	1	1	-	-
0010	16-1	345+84 'EB'	4.7 LT	CTH M	R4-18	1	1	-	-
0010	16-2	348+60 'EB'	20.8 LT	CTH M	W6-3	1	1	-	-
0010	16-3	349+21 'EB'	3.9 RT	CTH M - MEDIAN	R4-7	1	1	-	-
0010	16-4	348+88 'EB'	34.5 RT	CTH M	D3-1	2	1	-	-
0010	17-1	350+88 'EB'	37.6 LT	CTH M	R4-18	1	1	-	-
0010	17-2	351+63 'EB'	40 LT	CTH M	W6-2	1	1	-	-
0010	17-3	353+01 'EB'	43.8 LT	CTH M	R2-1	1	1	-	-
0010	17-4	353+74 'EB'	12.4 LT	CTH M/MARY LAKE RD - W MEDIAN	R4-7	1	1	-	-
0010	17-29	354+33 'EB'	66.5 LT	CTH M/MARY LAKE RD - NW CORNER	R1-1	-	1	17-28	-
0010	17-9	355+38 'EB'	2.2 LT	CTH M/MARY LAKE RD - E MEDIAN	R4-7	1	1	-	-
0010	17-23	351+63 'EB'	9.3 LT	CTH M - MEDIAN	W6-2	1	1	-	-
0010	17-26	350+65 'EB'	33.3 RT	CTH M	W3-5	1	1	-	-
0010	18-1	356+39 'EB'	3.8 LT	CTH M - MEDIAN	W6-2	1	1	-	-
0010	18-3	358+58 'EB'	7.5 LT	CTH M - MEDIAN	R4-7	1	1	-	-
0010	18-5	360+10 'EB'	34.9 LT	CTH M	R4-4	1	1	-	-
0010	18-7	360+71 'EB'	33.1 LT	CTH M	D3-1	2	1	-	-
0010	18-9	360+80 'EB'	18.5 RT	CTH M	D3-1	2	1	-	-
0010	18-11	358+90 'EB'	22.1 RT	CTH M	W6-3	1	1	-	-
0010	18-12	356+40 'EB'	28.4 RT	CTH M	W6-2	1	1	-	-
				SUBTOTAL		38	45		

REMOVING SIGNS

CATEGORY	SIGN NO.	STATION	OFFSET	LOCATION	SIGN CODE	638.3000 REMOVING SMALL SIGN SUPPORTS EA	638.2602 REMOVING SIGNS TYPE II EA	SIGN MOUNTED ON SAME POST AS	REMARKS
0010	19-1	361+75 'EB'	32.5 LT	CTH M	R4-18	1	1	-	-
0010	19-2	362+21 'EB'	3.7 LT	CTH M	R2-1	1	1	-	-
0010	-	363+11 'EB'	113.11 LT	CTH M	-	1	-	-	POST WITH NO SIGN
0010	19-3	363+29 'EB'	33.4 LT	CTH M	W6-2	1	1	-	-
0010	19-4	366+00 'EB'	32.3 LT	CTH M	R4-8	1	1	-	-
0010	19-21	365+70 'EB'	40 RT	CTH M/WILLOW RD (WEST) - SE CORNER	R1-1	1	1	-	-
0010	19-8	365+21 'EB'	50 RT	CTH M/WILLOW RD (WEST) - SW CORNER	R1-1	1	1	-	-
0010	19-9	365+10 'EB'	29.4 RT	CTH M/WILLOW RD (WEST) - SW CORNER	M1-5A	1	1	-	-
0010	19-10	365+36 'EB'	92 RT	WILLOW RD (WEST)	R2-1	1	1	-	-
0010	19-11	362+20 'EB'	18.1 RT	CTH M	R2-1	1	1	-	-
0010	19-12	361+51 'EB'	18.3 RT	CTH M	R4-4	1	1	-	-
0010	20-1	368+44 'EB'	23 LT	CTH M	W5-52R	1	1	-	-
0010	20-2	369+00 'EB'	25.4 LT	CTH M	W6-3	1	1	-	-
0010	20-3	368+02 'EB'	26 RT	CTH M	W5-52R	1	1	-	-
0010	20-4	367+07 'EB'	24 RT	CTH M	W6-2	1	1	-	-
0010	21-1	373+98 ;EB'	39.3 LT	CTH M	R5-1	1	1	-	-
0010	21-2	373+94 'EB'	4 LT	CTH M - MEDIAN	W12-1R	1	1	21-11	-
0010	21-3	374+66 'EB'	5.3 LT	CTH M - MEDIAN	W12-1R	1	1	-	-
0010	21-4	375+11 'EB'	46.9 LT	CTH M	R5-1A	1	1	-	-
0010	21-5	375+14 'EB'	6.3 LT	CTH M - MEDIAN	W6-2	1	1	-	-
0010	21-6	375+41 'EB'	7.4 LT	CTH M - MEDIAN	W12-1R	1	1	-	-
0010	21-7	376+17 'EB'	9.9 LT	CTH M - MEDIAN	W12-1R	1	1	-	-
0010	21-9	376+61 'EB'	51.5 RT	CTH M	R5-1	1	1	-	-
0010	21-10	374+61 'EB'	37.3 RT	CTH M	R4-4	1	1	-	-
0010	21-11	373+94 'EB'	4 LT	CTH M - MEDIAN	R4-7	-	1	21-2	-
0010	22-1	376+92 'EB'	12.6 LT	CTH M - MEDIAN	W12-1R	1	1	-	-
0010	22-2	378+68 'EB'	54.7 LT	CTH M	R6-2L	1	1	-	-
0010	22-3	378+82 'EB'	55.5 LT	CTH M	R5-1	1	1	-	-
0010	22-4	379+86 'EB'	56.8 LT	CTH M	R5-1A	1	1	-	-
0010	22-5	380+43 'EB'	5 LT	CTH M - MEDIAN	R2-1	1	1	-	-
0010	22-7	381+67 'EB'	57.1 LT	CTH M	W4-2L	1	1	-	-
0010	22-8	381+66 'EB'	18.7 LT	CTH M - MEDIAN	W4-2L	1	1	-	-
0010	22-9	381+65 'EB'	5.3 LT	CTH M - MEDIAN	W3-3	1	1	-	-
0010	22-10	381+64 'EB'	33 RT	CTH M	W3-3	1	1	-	-
0010	22-11	380+42 'EB'	31.5 RT	CTH M	R2-1	1	1	-	-
0010	22-21	378+69 'EB'	56 RT	CTH M/WILLOW RD (EAST) - SE CORNER	R1-1	-	1	22-18,22-19,22-21	-
0010	22-22	378+69 'EB'	56 RT	CTH M/WILLOW RD (EAST) - SE CORNER	R6-3	-	1	22-18,22-19,22-20	-
0010	22-30	377+46 'EB'	51.2 RT	CTH M	R5-1A	1	1	-	-
0010	22-26	378+73 'EB'	5.1 LT	CTH M/WILLOW RD (EAST) - E MEDIAN	R4-7	1	1	-	-
0010	22-27	377+95 'EB'	8.9 LT	CTH M/WILLOW RD (EAST) - W MEDIAN	R4-7	1	1	-	-
0010	22-28	377+68 'EB'	15.5 LT	CTH M/WILLOW RD (EAST) - W MEDIAN	W12-1R	1	1	-	-
0010	23-1	382+59 'EB'	20.4 LT	CTH M - MEDIAN	R6-2R	1	1	-	-
0010	23-3	383+26 'EB'	56 LT	CTH M	R2-1	1	1	-	-
0010	23-4	383+26 'EB'	19.5 LT	CTH M - MEDIAN	R2-1	1	1	-	-
0010	23-27	383+76 'EB'	31.9 RT	CTH M	R4-4	1	1	-	-
				SUBTOTAL		42	44		

REMOVING SIGNS

CATEGORY	SIGN NO.	STATION	OFFSET	LOCATION	SIGN CODE	638.3000 REMOVING SMALL SIGN SUPPORTS EA	638.2602 REMOVING SIGNS TYPE II EA	SIGN MOUNTED ON SAME POST AS	REMARKS
0010	25-2	394+72 'EB'	74.3 LT	CTH M	W11-3	1	1	-	-
0010	25-5	394+72 'EB'	36 LT	CTH M	W11-3	1	1	-	-
0010	29-4	70+57 'K'	26.3 RT	CTH K	W3-5	1	1	-	-
0010	30-1	75+88 'K'	29.5 LT	EX. CTH K	R2-1	1	1	-	-
0010	30-4	77+71 'K'	34.1 LT	EX. CTH K	W1-2L	1	1	-	-
0010	30-7	78+70 'K'	13.9 RT	EX. CTH K	W1-2L	1	1	30-7A	-
0010	30-7A	78+70 'K'	13.9 RT	EX. CTH K	W13-1	-	1	30-7	-
0010	30-8	78+05 'K'	14.9 RT	EX. CTH K	W3-3	1	1	-	-
0010	30-10	77+11 'K'	27.2 RT	EX. CTH K/SHILLING LN - SE CORNER	R1-1	1	1	-	-
0010	30-12	76+82 'K'	45.1 RT	EX. CTH K/SHILLING LN - SW CORNER	W14-1	1	1	-	-
0010	30-13	76+45 'K'	17.2 RT	EX. CTH K	R10-64	1	1	-	-
0010	30-14	75+86 'K'	18.1 RT	EX. CTH K	R2-1	1	1	-	-
0010	31-1	81+35 'K'	17 LT	EX. CTH K	M2-1	1	1	31-1A	-
0010	31-1A	81+35 'K'	17 LT	EX. CTH K	M1-5A	-	1	31-1	-
0010	32-8	15+22 'NSN'	108.3 RT	EX. N SHORE BAY DR	R5-2	1	1	32-9	-
0010	32-9	15+22 'NSN'	108.3 RT	EX. N SHORE BAY DR	R7-1R	-	1	32-8	-
0010	32-10	14+65 'NSN'	190.7 RT	EX. N SHORE BAY DR	R7-1D	1	1	-	-
0010	32-11	14+14 'NSN'	121 RT	EX. N SHORE BAY DR	R2-1	1	1	-	-
0010	32-13	13+39 'NSN'	126.2 RT	EX. N SHORE BAY DR	W11-15	1	1	32-14	-
0010	32-14	13+39 'NSN'	126.2 RT	EX. N SHORE BAY DR	R7-1L	-	1	32-13	-
0010	32-19	12+09 'NSN'	38.7 RT	EX. N SHORE BAY DR	W3-3	1	1	-	-
0010	32-21	10-42 'NSN'	27.4 RT	EX. N SHORE BAY DR	R7-1R	1	1	-	-
0010	33-1	1+33 'WL'	22.8 RT	WOODLAND DR	R2-1	1	1	-	-
SUBTOTAL						19	23		
PROJECT TOTAL						166	201		

PERMANENT SIGNING

CATEGORY	SIGN NO.	STATION	OFFSET	LOCATION	SIGN CODE	SIGN SIZE (WXH) IN X IN*	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	634.0612 POSTS WOOD 4X6-INCH 12-FT EACH	634.0614 POSTS WOOD 4X6-INCH 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH 16-FT EACH	634.0624 POSTS WOOD 4X6-INCH 24-FT EACH	SIGN MOUNTED ON SAME POST AS	REMARKS
0010	2-2	275+31 'EB'	52.8 LT	CTH M	R4-4	36X30	7.5	-	-	-	-	1	-	-	-
0010	2-3	276+00 'EB'	22.9 LT	CTH M MEDIAN	R3-20L	24X36	6	-	-	-	-	1	-	-	-
0010	2-6	271+66 'EB'	49.5 RT	CTH M/ONCKEN RD - NE CORNER	R1-1	36X36	7.46	-	-	-	-	1	-	-	-
0010	2-9	271+92 'EB'	3.6 LT	CTH M/ONCKEN RD - N MEDIAN	R4-7	24X30	5	-	-	-	-	1	-	2-9	-
0010	2-8	271+92 'EB'	3.6 LT	CTH M/ONCKEN RD - N MEDIAN	R3-4	24X24	9	-	-	-	-	-	-	2-8	-
0010	2-11	271+10 'EB'	72.3 LT	CTH M/ONCKEN RD - SW CORNER	R1-1	36X36	7.46	-	-	-	-	1	-	-	-
0010	2-12	271+66 'EB'	49.5 RT	CTH M/ONCKEN RD - NE CORNER	R6-3	30X24	7.5	-	-	-	-	-	-	-	-
0010	2-13	271+10 'EB'	72.3 LT	CTH M/ONCKEN RD - SW CORNER	R6-3	30X24	7.5	-	-	-	-	-	-	-	-
0010	2-14	274+62 'EB'	35.9 RT	CTH M	R2-1	30X36	7.5	-	-	-	1	-	-	-	40 MPH
0010	2-15	274+64 'EB'	7.5 LT	CTH M MEDIAN	R2-1	30X36	7.5	-	-	-	1	-	-	-	40 MPH
0010	3-5	278+29 EB	59.6 LT	CTH M	D1-1	78x15	8.2	-	-	-	-	2	-	-	"ONCKEN RD (RIGHT ARROW)"
0010	3-8	280+70 'EB'	39.7 RT	CTH M	I3-1	36x24	6	-	-	-	-	1	-	-	"DORN CREEK"
0010	4-2	282+51 'EB'	67.2 RT	CTH M	I3-1	36x24	6	-	-	-	1	-	-	-	"DORN CREEK"
0010	4-4	284+67 'EB'	6.7 LT	CTH M MEDIAN	W4-2R	36X36	7.5	-	-	-	-	1	-	-	-
0010	4-5	284+67 'EB'	54.5 LT	CTH M	W4-2R	36X36	7.5	-	-	-	-	1	-	-	-
0010	6-1	294+34 'EB'	62.6 LT	CTH M	R2-1	30X36	7.5	-	-	-	1	-	-	-	40 MPH
0010	6-4	296+25 'EB'	39.9 RT	CTH M	M2-1	21X15	2.2	-	-	-	-	1	-	6-5	-
0010	6-5	296+25 'EB'	39.9 RT	CTH M	M1-5A	24X24	4	-	-	-	-	-	-	6-4	CTH K
0010	6-7	294+16 'EB'	35.1 RT	CTH M	R2-1	30X36	7.5	-	-	-	1	-	-	-	40 MPH
0010	6-8	294+16 'EB'	8.8 LT	CTH M MEDIAN	R2-1	30X36	7.5	-	-	-	1	-	-	-	40 MPH
0010	6-9	294+31 'EB'	20.2 LT	CTH M MEDIAN	R2-1	30X36	7.5	-	-	-	1	-	-	-	40 MPH
0010	7-2	301+51 'EB'	8.1 LT	CTH M MEDIAN	R3-20L	24X36	6	-	-	-	-	1	-	-	-
0010	7-6	300+79 'EB'	34.8 RT	CTH M	R4-4	36X30	7.5	-	-	-	-	1	-	-	-
0010	7-9	298+65 'EB'	36.5 RT	CTH M	W3-3	36X36	-	9	-	-	-	1	-	-	-
0010	7-12	298+65 'EB'	9.2 LT	CTH M MEDIAN	W3-3	36X36	-	9	-	-	-	1	-	-	-
0010	8-3	303+76 'EB'	65 LT	CTH M	M1-5A	24X24	4	-	-	-	1	-	-	-	CTH M
0010	8-7	305+08 'EB'	135.6 LT	CTH M/CTH K - NW CORNER	M1-5A	24X24	4	-	-	-	-	1	-	8-6	CTH M
0010	8-6	305+08 'EB'	135.6 LT	CTH M/CTH K - NW CORNER	M6-4	21X21	3.06	-	-	-	-	-	-	8-7	-
0010	8-9	305+14 'EB'	105.5 LT	CTH M/CTH K - NW CORNER	R1-2	36X31	7	-	-	-	-	-	-	-	ON SIGNAL POLE
0010	8-10	305+45 'EB'	101.7 LT	CTH M/CTH K - NW CORNER	W12-1D	24X24	-	4	-	-	1	-	-	-	-
0010	8-11	305+99 'EB'	76.9 LT	CTH M/CTH K - N MEDIAN	R4-7	24X30	5	-	-	-	-	-	-	8-12,8-13	ON SIGNAL POLE
0010	8-12	305+99 'EB'	76.9 LT	CTH M/CTH K - N MEDIAN	R3-4	24X24	9	-	-	-	-	-	-	8-11,8-13	ON SIGNAL POLE
0010	8-13	305+99 'EB'	76.9 LT	CTH M/CTH K - N MEDIAN	R1-1F	36X36	-	-	7.46	-	-	-	-	8-11,8-12	ON SIGNAL POLE
0010	8-15	306+64 'EB'	64.5 LT	CTH M/CTH K - NE CORNER	R1-1F	36X36	-	-	7.46	-	-	-	-	-	ON SIGNAL POLE
0010	8-16	307+03 'EB'	62.5 LT	CTH M/CTH K - NE CORNER	W12-1D	24X24	-	4	-	-	1	-	-	-	-
0010	8-18	307+52 'EB'	82.6 LT	CTH M/CTH K - NE CORNER	M1-5A	24X24	4	-	-	-	-	1	-	8-19	-
0010	8-19	307+52 'EB'	82.6 LT	CTH M/CTH K - NE CORNER	M6-1	21X21	3.06	-	-	-	-	-	-	8-18	-
0010	8-22	307+81 'BP'	12.7 RT	SHARED-USE PATH	I-SP	24X18	3	-	-	-	1	-	-	8-23,8-24,8-25,8-26	"NORTH MENDOTA TRAIL"
0010	8-23	307+81 'BP'	12.7 RT	SHARED-USE PATH	FB-A	24X6	1	-	-	-	-	-	-	8-22,8-24,8-25,8-26	RIGHT DEST.: "GOV. NELSON STATE PARK"
0010	8-24	307+81 'BP'	12.7 RT	SHARED-USE PATH	FB-A	24X6	1	-	-	-	-	-	-	8-22,8-23,8-25,8-26	STRAIGHT DEST.: "JACKSON LANDING"
0010	8-25	307+81 'BP'	12.7 RT	SHARED-USE PATH	FB-A	24X6	1	-	-	-	-	-	-	8-22,8-23,8-24,8-26	STRAIGHT DEST.: "WESTPORT"
0010	8-26	307+81 'BP'	12.7 RT	SHARED-USE PATH	FB-A	24X6	1	-	-	-	-	-	-	8-22,8-23,8-24,8-25	STRAIGHT DEST.: "MADISON"
0010	8-28	306+78 'EB'	71.4 RT	CTH M/CTH K - SE CORNER	R1-1F	36X36	-	-	7.46	-	-	-	-	8-27	ON SIGNAL POLE
0010	8-29	306+78 'EB'	8.1 LT	CTH M/CTH K - E MEDIAN	R1-1F	36X36	-	-	7.46	-	-	-	-	8-30,8-31	ON SIGNAL POLE
0010	8-30	306+75 'EB'	8.0 LT	CTH M/CTH K - E MEDIAN	R4-7	24X30	5	-	-	-	-	-	-	8-29,8-31	ON SIGNAL POLE
0010	8-31	306+75 'EB'	8.0 LT	CTH M/CTH K - E MEDIAN	R3-4	24X24	9	-	-	-	-	-	-	8-29,8-30	ON SIGNAL POLE
0010	8-32	305+38 'EB'	23.8 LT	CTH M/CTH K - W MEDIAN	R4-7	24X30	5	-	-	-	-	-	-	8-33,8-39	ON SIGNAL POLE
0010	8-33	305+38 'EB'	23.8 LT	CTH M/CTH K - W MEDIAN	R3-4	24X24	9	-	-	-	-	-	-	8-32,8-39	ON SIGNAL POLE
0010	8-34	306+17 'EB'	74.9 RT	CTH M/CTH K - S MEDIAN	R1-1F	36X36	-	-	7.46	-	-	-	-	8-35,8-36	ON SIGNAL POLE
0010	8-35	306+16 'EB'	72.1 RT	CTH M/CTH K - S MEDIAN	R4-7	24X30	5	-	-	-	-	-	-	8-34,8-36	ON SIGNAL POLE
0010	8-36	306+16 'EB'	72.1 RT	CTH M/CTH K - S MEDIAN	R3-4	24X24	9	-	-	-	-	-	-	8-34,8-35	ON SIGNAL POLE
0010	8-37	305+37 'EB'	64.2 RT	CTH M/CTH K - SW CORNER	M6-1	21X21	3.06	-	-	-	-	1	-	8-38	-
0010	8-38	305+37 'EB'	64.2 RT	CTH M/CTH K - SW CORNER	M1-5A	24X24	4	-	-	-	-	-	-	8-37	CTH K
0010	8-39	305+36 'EB'	23.7 LT	CTH M/CTH K - W MEDIAN	R1-1F	36X36	-	-	7.46	-	-	-	-	8-32,8-33	ON SIGNAL POLE
0010	8-40	305+39 'EB'	51 RT	CTH M/CTH K - SW CORNER	R1-1F	36X36	-	-	7.46	-	-	-	-	-	ON SIGNAL POLE
0010	8-42	306+96 'EB'	156 RT	N SHORE BAY DR	R7-1D	18X24	3	-	-	-	1	-	-	-	-
0010	8-43	305+98 'EB'	171 RT	N SHORE BAY DR	R7-1D	18X24	3	-	-	-	1	-	-	-	-
0010	8-44	305+78 'EB'	81 RT	CTH M/CTH K - SW CORNER	W14-1	30X30	3	-	-	-	1	-	-	8-45	-
0010	8-45	305+78 'EB'	81 RT	CTH M/CTH K - SW CORNER	R12-1	24X30	5	-	-	-	-	-	-	8-44	"WEIGHT LIMIT 8 TONS"
0010	8-46	306+83 'EB'	108.5 LT	CTH M/CTH K - NE CORNER	W11-15	36X36	-	9	-	-	-	1	-	8-8	-
0010	8-8	306+83 'EB'	108.5 LT	CTH M/CTH K - NE CORNER	W16-7L	30X18	-	3.75	-	-	-	-	-	8-46	-
						SUBTOTAL	266.5	26	52.22	0	14	18	0		

PERMANENT SIGNING

CATEGORY	SIGN NO.	STATION	OFFSET	LOCATION	SIGN CODE	SIGN SIZE (WXH) IN X IN*	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	634.0612 POSTS WOOD 4X6-INCH 12-FT EACH	634.0614 POSTS WOOD 4X6-INCH 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH 16-FT EACH	634.0624 POSTS WOOD 4X6-INCH 24-FT EACH	SIGN MOUNTED ON SAME POST AS	REMARKS
0010	9-20	311+40 'EB'	64.4 LT	CTH M	W3-3	36X36	-	9	-	-	-	1	-	-	-
0010	9-24	311+94 'EB'	38.8 RT	CTH M	M1-5A	24X24	4	-	-	-	1	-	-	-	CTH M
0010	9-46	312+14 'EB'	86.4 LT	CTH M	M2-1	21X15	2.2	-	-	-		1	-	9-47	-
0010	9-47	312+14 'EB'	86.4 LT	CTH M	M1-5A	24X24	4	-	-	-	-	-	-	9-46	CTH K
0010	9-48	310+63 'EB'	14.3 LT	CTH M MEDIAN	R3-20L	24X36	6	-	-	-	-	1	-	-	-
0010	9-49	310+50 'EB'	56 RT	SHARED-USE PATH	I-SP	24X18	3	-	-	-	-	-	1	9-50	"NORTH MENDOTA TRAIL"
0010	9-50	310+50 'EB'	56 RT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	9-49	LEFT DEST.: "GOV. NELSON STATE PARK"
0010	9-51	311+41 'EB'	7.5 LT	CTH M MEDIAN	W3-3	36X36	-	9	-	-	-	1	-	-	-
0010	9-52	313+41 'EB'	57.5 LT	CTH M	R4-4	36X30	7.5	-	-	-	1	-	-	-	-
0010	11-2	319+79 'EB'	4.5 LT	CTH M MEDIAN	R3-2	24X24	9	-	-	-	1	-	-	11-25	FACING EB CTH M VEHICLES
0010	11-4	320+35 'EB'	3.9 LT	CTH M MEDIAN	R5-1	30X30	6.25	-	-	-	1	-	-	-	-
0010	11-6	321+73 'EB'	18.2 LT	CTH M MEDIAN	R3-20L	24X36	6	-	-	-	-	1	-	-	-
0010	11-8	322+19 'EB'	4.7 LT	CTH M MEDIAN	R3-20L	24X36	6	-	-	-	-	1	-	-	-
0010	11-9	321+31 'EB'	37.3 RT	CTH M	D3-2	84X15	8.8	-	-	-	-	2	-	-	"(LEFT ARROW) WOODLAND DR"
0010	11-16	11+02 'MA'	20.5 RT	MANSFIELD RD//SHARED-USE PATH	R1-1B	18X18	1.86	-	-	-	-	-	-	-	-
0010	11-17	10+78 'MA'	21.3 LT	MANSFIELD RD//SHARED-USE PATH	R1-1B	18X18	1.86	-	-	-	1	-	-	-	-
0010	11-21	11+21 'MA'	35.5 RT	MANSFIELD RD	R1-1	36X36	7.46	-	-	-	-	1	-	11-22	-
0010	11-22	11+21 'MA'	35.5 RT	MANSFIELD RD	R6-1R	36X18	6.75	-	-	-	-	-	-	11-21	-
0010	11-24	323+53 'EB'	62.1 LT	CTH M	R2-1	30X36	7.5	-	-	-	-	1	-	-	40 MPH
0010	11-25	319+79 'EB'	4.5 LT	CTH M MEDIAN	R6-1R	36X18	6.75	-	-	-	-	-	-	11-2	FACES MANSFIELD RD
0010	11-26	319+52 'EB'	59.8 RT	SHARED-USE PATH	R5-3	24X24	4	-	-	-	-	-	-	11-27	MOUNTED ON PIER
0010	11-27	319+52 'EB'	59.8 RT	SHARED-USE PATH	W5-52R	12X36	-	3	-	-	-	-	-	11-26	MOUNTED ON PIER
0010	11-28	319+52 'EB'	71.5 RT	SHARED-USE PATH	W5-2L	12X36	-	3	-	-	-	-	-	-	MOUNTED ON PIER
0010	11-29	320+13 'EB'	74.7 RT	SHARED-USE PATH	R5-3	24X24	4	-	-	-	-	-	-	-	MOUNTED ON PIER
0010	11-30	320+14 'EB'	62 RT	SHARED-USE PATH	W5-52R	12X36	-	3	-	-	-	-	-	11-31	MOUNTED ON PIER
0010	11-31	320+14 'EB'	62 RT	SHARED-USE PATH	W5-2L	12X36	-	3	-	-	-	-	-	11-30	MOUNTED ON PIER
0010	11-32	323+65 'EB'	19.3 LT	CTH M MEDIAN	R2-1	30X36	7.5	-	-	-	-	-	-	-	MOUNTED ON LIGHT POLE
0010	12-2	326+65 'EB'	20.3 LT	CTH M/WOODLAND DR - W MEDIAN	R4-7	24X30	5	-	-	-	-	-	-	-	ON SIGNAL POLE
0010	12-3	326+85 'EB'	90.9 LT	CTH M/WOODLAND DR - NW CORNER	R1-1F	36X36	-	-	7.46	-	-	-	-	-	ON SIGNAL POLE
0010	12-12	12+81 'WL'	49 RT	WOODLAND DR	I55-56	30X18	3.75	-	-	-	1	-	-	12-13	-
0010	12-13	12+81 'WL'	49 RT	WOODLAND DR	I55-56P	30X18	3.75	-	-	-	-	-	-	12-12	"SPONSOR WESTSHIRE VILLAGE"
0010	12-18	328+08 'EB'	13.1 LT	CTH M/WOODLAND DR - E MEDIAN	R4-7	24X30	5	-	-	-	-	-	-	-	ON SIGNAL POLE
0010	12-29	327+68 'BP'	2.7 LT	SHARED-USE PATH	I-SP	24X18	3	-	-	-	-	-	1	12-30,12-31,12-32	"NORTH MENDOTA TRAIL"
0010	12-30	327+68 'BP'	2.7 LT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	12-29,12-31,12-32	RIGHT DEST.: "WESTPORT NEIGHBORHOODS"
0010	12-31	327+68 'BP'	2.7 LT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	12-29,12-30,12-32	RIGHT DEST.: "WAUNAKEE"
0010	12-32	327+68 'BP'	2.7 LT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	12-29,12-30,12-31	STRAIGHT DEST.: "GOV NELSON STATE PARK"
0010	12-35	326+71 'BP'	13.45 RT	SHARED-USE PATH	I-SP	24X18	3	-	-	-	-	-	1	12-36,12-37,12-38	"NORTH MENDOTA TRAIL"
0010	12-36	326+71 'BP'	13.45 RT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	12-35,12-37,12-38	LEFT DEST.: "WESTPORT BUSINESSES"
0010	12-37	326+71 'BP'	13.45 RT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	12-35,12-36,12-38	LEFT DEST.: "MADISON"
0010	12-38	326+71 'BP'	13.45 RT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	12-35,12-36,12-37	RIGHT DEST.: "GOV NELSON STATE PARK"
0010	12-40	325+46 'BP'	10.9 RT	SHARED-USE PATH	I-SP	24X18	3	-	-	-	-	-	1	12-41,12-42,12-43,12-44	"NORTH MENDOTA TRAIL"
0010	12-41	325+46 'BP'	10.9 RT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	12-40,12-42,12-43,12-44	LEFT DEST.: "WESTPORT NEIGHBORHOODS"
0010	12-42	325+46 'BP'	10.9 RT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	12-40,12-41,12-43,12-44	LEFT DEST.: "WAUNAKEE"
0010	12-43	325+46 'BP'	10.9 RT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	12-40,12-41,12-42,12-44	STRAIGHT DEST.: "WESTPORT BUSINESSES"
0010	12-44	325+46 'BP'	10.9 RT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	12-40,12-41,12-42,12-43	STRAIGHT DEST.: "MADISON"
0010	12-45	326+36 'BP'	14.1 RT	CTH M/WOODLAND DR - SW CORNER	R1-1F	30X30	-	-	7.46	-	-	1	-	-	ON SIGNAL POLE
0010	12-49	327+38 'EB'	82.4 LT	CTH M/WOODLAND DR - N MEDIAN	R4-7	24X30	5	-	-	-	1	-	-	-	-
0010	12-50	328+22 'EB'	77.4 LT	CTH M/WOODLAND DR - NE CORNER	R1-1F	36X36	-	-	7.46	-	-	-	-	-	ON SIGNAL POLE
0010	12-51	326+42 'BP'	11 RT	SHARED-USE PATH	R5-3	24X24	4	-	-	-	-	-	-	12-52	MOUNTED ON PIER
0010	12-52	326+42 'BP'	11 RT	SHARED-USE PATH	W5-52R	12X36	-	3	-	-	-	-	-	12-51	MOUNTED ON PIER
0010	12-53	326+42 'BP'	1 LT	SHARED-USE PATH	W5-52L	12X36	-	3	-	-	-	-	-	-	MOUNTED ON PIER
0010	13-4	332+96 'EB'	60 LT	CTH M	R4-4	36X30	7.5	-	-	-	-	1	-	-	-
0010	13-5	334+41 'EB'	70 LT	CTH M	D1-1	84X15	8.8	-	-	-	-	2	-	-	"WOODLAND DR (LEFT ARROW)"
0010	13-8	329+30 'EB'	38.1 RT	CTH M	I55-56	30X18	3.75	-	-	-	1	-	-	13-9	-
0010	13-9	329+30 'EB'	38.1 RT	CTH M	I55-56P	30X18	3.75	-	-	-	-	-	-	13-8	"SPONSOR UW CREDIT UNION"
0010	13-10	333+52 'EB'	35.4 RT	CTH M	R2-1	30X36	7.5	-	-	-	-	1	-	-	40 MPH
0010	13-11	333+21 'BP'	1 LT	SHARED-USE PATH	R5-3	24X24	4	-	-	-	-	-	-	13-12	MOUNTED ON PIER
0010	13-12	333+21 'BP'	1 LT	SHARED-USE PATH	W5-52R	12X36	-	3	-	-	-	-	-	13-11	MOUNTED ON PIER
0010	13-13	333+21 'BP'	11 RT	SHARED-USE PATH	W5-52L	12X36	-	3	-	-	-	-	-	-	MOUNTED ON PIER
0010	13-14	333+50 'EB'	7.2 LT	CTH M MEDIAN	R2-1	30X36	7.5	-	-	1	-	-	-	-	40 MPH
					SUBTOTAL		180.73	48.75	22.38	0	8	15	4		

PERMANENT SIGNING

CATEGORY	SIGN NO.	STATION	OFFSET	LOCATION	SIGN CODE	SIGN SIZE (WXH) IN X IN*	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	634.0612 POSTS WOOD 4X6-INCH 12-FT EACH	634.0614 POSTS WOOD 4X6-INCH 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH 16-FT EACH	634.0624 POSTS WOOD 4X6-INCH 24-FT EACH	SIGN MOUNTED ON SAME POST AS	REMARKS
0010	14-3	339+19 'EB'	15.8 LT	CTH M MEDIAN	R3-4	24X24	9	-	-	1	-	-	-	-	-
0010	14-4	339+61 'EB'	15.8 LT	CTH M MEDIAN	R3-4	24X24	9	-	-	1	-	-	-	-	-
0010	15-5	345+04 'EB'	16.2 LT	CTH M MEDIAN	R3-4	24X24	9	-	-	1	-	-	-	-	-
0010	16-5	345+46 'EB'	15.9 LT	CTH M MEDIAN	R3-4	24X24	9	-	-	1	-	-	-	-	-
0010	16-6	346+80 'EB'	51.1 RT	CTH M	d2-2	90X30	18.8	-	-	-	-	2	-	-	"MARY LAKE RD (LEFT ARROW)"/ "KUPFER RD (RIGHT ARROW)"
0010	17-6	354+30 'EB'	81.7 LT	CTH M/MARY LAKE RD - NW CORNER	R1-1	36X36	7.46	-	-	-	-	1	-	17-7	-
0010	17-7	354+30 'EB'	81.7 LT	CTH M/MARY LAKE RD - NW CORNER	R6-3	30X24	5	-	-	-	-	-	-	17-6	-
0010	17-8	11+28 'ML'	32.2 LT	MARY LAKE RD	R3-8LF	36X30	7.5	-	-	-	-	-	-	-	-
0010	17-10	355+20 'EB'	7.9 LT	CTH M/MARY LAKE RD - E MEDIAN	R4-7	24X30	5	-	-	-	1	-	-	-	-
0010	17-11	354+06 'EB'	22.2 LT	CTH M/MARY LAKE RD - W MEDIAN	R4-7	24X30	5	-	-	-	1	-	-	-	-
0010	17-12	355+62 'BP'	3.3 LT	SHARED-USE PATH	I-SP	24X18	3	-	-	1	-	-	-	17-13,17-14,17-15	"NORTH MENDOTA TRAIL"
0010	17-13	355+62 'BP'	3.3 LT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	17-12,17-14,17-15	STRAIGHT DEST.: "WESTPORT NEIGHBORHOODS"
0010	17-14	355+62 'BP'	3.3 LT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	17-12,17-13,17-15	STRAIGHT DEST.: "WAUNAKEE"
0010	17-15	355+62 'BP'	3.3 LT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	17-12,17-13,17-14	STRAIGHT DEST.: "GOV NELSON STATE PARK"
0010	17-17	354+87 'BP'	2.9 LT	SHARED-USE PATH	R1-1B	18X18	1.86	-	-	1	-	-	-	-	-
0010	17-18	11+53 'KU'	22 RT	KUPFER RD	R1-1	36X36	7.46	-	-	-	-	1	-	17-19	-
0010	17-19	11+53 'KU'	22 RT	KUPFER RD	R6-3	30X24	5	-	-	-	-	-	-	17-18	-
0010	17-20	353+61 'BP'	12.5 RT	SHARED-USE PATH	I-SP	24X18	3	-	-	1	-	-	-	17-21,17-22	"NORTH MENDOTA TRAIL"
0010	17-21	353+61 'BP'	12.5 RT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	17-20,17-22	STRAIGHT DEST. "WESTPORT BUSINESSES"
0010	17-22	353+61 'BP'	12.5 RT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	17-20,17-21	STRAIGHT DEST. "MADISON"
0010	17-24	351+33 'EB'	30.6 RT	CTH M	R4-4	36X30	7.5	-	-	-	1	-	-	-	-
0010	17-25	350+66 'EB'	3.9 LT	CTH M - MEDIAN	R3-20L	24X36	6	-	-	-	-	1	-	-	-
0010	17-28	354+06 'BP'	17.9 RT	SHARED-USE PATH/KUPFER RD	R1-1B	18X18	1.86	-	-	1	-	-	-		-
0010	18-2	357+99 'EB'	26.2 LT	CTH M - MEDIAN	R3-20L	24X36	6	-	-	-	-	1	-	-	-
0010	18-4	359+67 'EB'	63.2 LT	CTH M	R4-4	36X30	7.5	-	-	-	-	1	-	-	-
0010	18-6	360+46 'EB'	65.3 LT	CTH M	D3-2	90X30	18.8	-	-	-	-	2	-	-	"KUPFER RD (LEFT ARROW)"/"MARY LAKE RD (RIGHT ARROW)"
0010	18-8	360+89 'EB'	32.7 RT	CTH M	R4-4	36X30	7.5	-	-	-	-	1	-	-	-
0010	18-10	360+45 'EB"	35.7 RT	CTH M	D1-1	72X15	7.5	-	-	-	-	2	-	-	"WILLOW RD (LEFT ARROW)"
0010	19-6	365+90 'EB'	53.1 RT	CTH M/WILLOW RD (WEST) - SE CORNER	R1-1	36X36	7.46	-	-	-	-	-	1	19-7	-
0010	19-7	365+90 'EB'	53.1 RT	CTH M/WILLOW RD (WEST) - SE CORNER	R3-5R	42X48	14	-	-	-	-	-	-	19-6	-
0010	19-13	365+41 'BP'	4.6 LT	SHARED-USE PATH	I-SP	24X18	3	-	-	1	-	-	-	-	"NORTH MENDOTA TRAIL"
0010	19-14	364+96 'BP'	12.6 RT	SHARED-USE PATH	I-SP	24X18	3	-	-	1	-	-	-	19-15,19-16,19-17	"NORTH MENDOTA TRAIL"
0010	19-15	364+96 'BP'	12.6 RT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	19-14,19-16,19-17	STRAIGHT DEST. "JACKSON HARBOR PATH"
0010	19-16	364+96 'BP'	12.6 RT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	19-14,19-15,19-17	STRAIGHT DEST. "WESTPORT BUSINESSES"
0010	19-17	364+96 'BP'	12.6 RT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	19-14,19-15,19-16	STRAIGHT DEST. "MADISON"
0010	19-19	365+60 'EB'	9 LT	CTH M MEDIAN	R6-2R	24X30	5	-	-	1	-	-	-	-	-
0010	19-20	363+04 'EB'	21.5 LT	CTH M MEDIAN	R6-2R	24X30	5	-	-	1	-	-	-	-	-
0010	19-22	11+50 'WW'	18.7 RT	WILLOW RD (WEST)	R2-1	30X36	7.5	-	-	-	-	1	-	-	25 MPH
0010	19-23	365+62 'BP'	15 RT	SHARED-USE PATH/WILLOW RD (WEST)	R1-1B	18X18	1.86	-	-	-	1	-	-	19-24, 19-25	-
0010	19-24	365+62 'BP'	15 RT	SHARED-USE PATH/WILLOW RD (WEST)	I-SP	24X18	3	-	-	-	-	-	-	19-23, 19-25	"NORTH MENDOTA TRAIL"
0010	19-25	365+62 'BP'	15 RT	SHARED-USE PATH/WILLOW RD (WEST)	AR	12X9	0.75	-	-	-	-	-	-	19-23, 19-24	-
0010	19-26	10+58 'WW'	26.9 RT	WILLOW RD (WEST)	W11-15	36X36	-	9	-	-	-	1	-	-	-
0010	19-27	11+60 'WW'	17.7 LT	WILLOW RD (WEST)	W11-15	36X36	-	9	-	-	-	1	-	-	-
0010	21-8	375+22 'EB'	5.6 LT	CTH M MEDIAN	R3-20L	24X36	6	-	-	-	-	1	-	-	-
0010	21-12	373+59 'EB'	25.6 RT	CTH M	R4-4	36X30	7.5	-	-	-	-	1	-	-	-
0010	22-6	381+61 'EB'	19.5 LT	CTH M MEDIAN	R3-20L	24X36	6	-	-	-	-	1	-	-	-
0010	22-12	380+09 'BP'	2.4 LT	SHARED-USE PATH	I-SP	24X18	3	-	-	1	-	-	-	22-13,22-14,22-15	"NORTH MENDOTA TRAIL"
0010	22-13	380+09 'BP'	2.4 LT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	22-12,22-14,22-15	STRAIGHT DEST. "WESTPORT NEIGHBORHOODS"
0010	22-14	380+09 'BP'	2.4 LT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	22-12,22-13,22-15	STRAIGHT DEST. "WAUNAKEE"
0010	22-15	380+09 'BP'	2.4 LT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	22-12,22-13,22-14	STRAIGHT DEST. "GOV NELSON STATE PARK"
0010	22-17	378+74 'EB'	54.6 RT	CTH M/WILLOW RD (EAST) - SE CORNER	R1-1	36X36	7.46	-	-	-	-	1	-	22-18	-
0010	22-18	378+74 'EB'	54.6 RT	CTH M/WILLOW RD (EAST) - SE CORNER	R6-3	30X24	5	-	-	-	-	-	-	22-17	-
0010	22-23	11+10 'WE'	42.4 RT	SHARED-USE PATH/WILLOW RD (EAST)	I-SP	24X18	3	-	-	1	-	-	-	22-24	"NORTH MENDOTA TRAIL"
0010	22-24	11+10 'WE'	42.4 RT	SHARED-USE PATH/WILLOW RD (EAST)	F-BA	24X6	1	-	-	-	-	-	-	22-23	STRAIGHT DEST. "MADISON"
0010	22-25	378+73 'EB'	4.2 LT	CTH M/WILLOW RD (EAST) - E MEDIAN	R4-7	24X30	5	-	-	-	1	-	-	-	-
0010	22-29	377+62 'EB'	24.5 LT	CTH M/WILLOW RD (EAST) - W MEDIAN	R4-7	24X30	5	-	-	-	1	-	-	-	-
0010	22-31	11+44 'WE'	27.3 RT	WILLOW RD (EAST)	R3-8ER	36X30	7.5	-	-	-	-	1	-	-	-
0010	22-32	378+70 'EB'	64 LT	CTH M	R6-2L	24X30	5	-	-	-	1	-	-	-	-
0010	22-33	11+.02 'WE'	25+9 RT	SHARED-USE PATH/WILLOW RD (EAST)	R1-1B	18X18	1.86	-	-	-	1	-	-	22-34, 22-35	-
0010	22-34	11+.02 'WE'	25+9 RT	SHARED-USE PATH/WILLOW RD (EAST)	I-SP	24X18	3	-	-	-	-	-	-	22-33, 22-35	"NORTH MENDOTA TRAIL"
					SUBTOTAL		278.27	24	0	14	4	20	1		

PERMANENT SIGNING

CATEGORY	SIGN NO.	STATION	OFFSET	LOCATION	SIGN CODE	SIGN SIZE (WXH) IN X IN*	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	634.0612 POSTS WOOD 4X6-INCH 12-FT EACH	634.0614 POSTS WOOD 4X6-INCH 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH 16-FT EACH	634.0624 POSTS WOOD 4X6-INCH 24-FT EACH	SIGN MOUNTED ON SAME POST AS	REMARKS
0010	22-25	378+73 'EB'	4.2 LT	CTH M/WILLOW RD (EAST) - E MEDIAN	R4-7	24X30	5	-	-	-	1	-	-	-	-
0010	22-29	377+62 'EB'	24.5 LT	CTH M/WILLOW RD (EAST) - W MEDIAN	R4-7	24X30	5	-	-	-	1	-	-	-	-
0010	22-31	11+44 'WE'	27.3 RT	WILLOW RD (EAST)	R3-8ER	36X30	7.5	-	-	-	-	1	-	-	-
0010	22-32	378+70 'EB'	64 LT	CTH M	R6-2L	24X30	5	-	-	-	1	-	-	-	-
0010	22-33	11+.02 'WE'	25+9 RT	SHARED-USE PATH/WILLOW RD (EAST)	R1-1B	18X18	1.86	-	-	-	1	-	-	22-34, 22-35	-
0010	22-34	11+.02 'WE'	25+9 RT	SHARED-USE PATH/WILLOW RD (EAST)	I-SP	24X18	3	-	-	-	-	-	-	22-33, 22-35	"NORTH MENDOTA TRAIL"
0010	23-2	383+13 'EB'	61 LT	CTH M	D1-1	72X15	7.5	-	-	-	-	2	-	-	"WILLOW RD (LEFT ARROW)"
0010	23-20	386+66 'BP'	2.2 LT	SHARED-USE PATH	I-SP	24X18	3	-	-	1	-	-	-	23-21,23-22,23-23,23-24	"NORTH MENDOTA TRAIL"
0010	23-21	386+66 'BP'	2.2 LT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	23-20,23-22,23-23,23-24	STRAIGHT DEST. "WESTPORT BUSINESSES"
0010	23-22	386+66 'BP'	2.2 LT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	23-20,23-21,23-23,23-24	STRAIGHT DEST. "WESTPORT NEIGHBORHOODS"
0010	23-23	386+66 'BP'	2.2 LT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	23-20,23-21,23-22,23-24	STRAIGHT DEST. "WAUNAKEE"
0010	23-24	386+66 'BP'	2.2 LT	SHARED-USE PATH	F-BA	24X6	1	-	-	-	-	-	-	23-20,23-21,23-22,23-23	STRAIGHT DEST. "GOV NELSON STATE PARK"
0010	23-30	383+98 'EB'	31.1 RT	CTH M	R4-4	36X30	7.5	-	-	1	-	-	-	-	-
0010	24-23	388+11 'EB'	55.5 RT	SHARED-USE PATH/N BLUE BILL PARK DR	I-SP	24X18	3	-	-	1	-	-	-	24-24	"NORTH MENDOTA TRAIL"
0010	24-24	388+11 'EB'	55.5 RT	SHARED-USE PATH/N BLUE BILL PARK DR	AR	12X9	0.75	-	-	-	-	-	-	24-23	LEFT ARROW
0010	24-25	388+62 'EB'	134.6 RT	SHARED-USE PATH/WESTPORT RD	R1-1B	18X18	1.86	-	-	1	-	-	-	-	-
0010	24-26	388+65 'EB'	135.7 RT	WESTPORT RD	I-SP	24X18	3	-	-	1	-	-	-	-	"NORTH MENDOTA TRAIL"
0010	24-27	388+22 'EB'	170.7 RT	WESTPORT RD	W11-15	36X36	-	9	-	1	-	-	-	-	-
0010	24-28	389+42 'EB'	134 RT	WESTPORT RD	W11-15	36X36	-	9	-	1	-	-	-	-	-
0010	29-1	73+80 'K'	26.6 RT	CTH K	W6-1	36X36	-	9	-	-	-	1	-	-	-
0010	29-2	75+28 'K'	27.1 RT	CTH K	R2-1	30X36	7.5	-	-	-	-	1	-	-	40 MPH
0010	29-3	72+18 'K'	24 RT	CTH K	W3-5	36X36	-	9	-	-	-	1	-	-	40 MPH
0010	30-2	76+15 'K'	41.6 LT	CTH K	R2-1	30X36	7.5	-	-	-	-	1	-	-	55 MPH
0010	30-3	77+35 'K'	4 LT	CTH K/SHILLING LN - E MEDIAN	R4-7	24X30	5	-	-	-	1	-	-	-	-
0010	30-5	77+79 'K'	46.9 LT	CTH K	W1-2L	36X36	-	9	-	-	-	1	-	-	-
0010	30-6	80+48 'K'	28.2 RT	CTH K	W3-3	36X36	-	9	-	-	-	1	-	-	-
0010	30-9	77+25 'K'	38 RT	CTH K/SHILLING LN - SE CORNER	R1-1	36X36	7.46	-	-	-	-	1	-	-	-
0010	30-11	76+75 'K'	50.9 RT	CTH K/SHILLING LN - SW CORNER	W14-1	30X30	-	6.25	-	-	-	1	-	-	-
0010	30-15	80+17 'K'	28 RT	CTH K	R3-8LLF	54X30	7.5	-	-	-	-	1	-	-	-
0010	30-16	80+16 'K'	9.8 LT	CTH K MEDIAN	R3-8LLF	54X30	7.5	-	-	-	-	1	-	-	-
0010	31-2	85+01 'K'	81.4 LT	CTH K	I55-56	30X18	3.75	-	-	-	1	-	-	31-3	-
0010	31-3	85+01 'K'	81.4 LT	CTH K	I55-56P	30X18	3.75	-	-	-	-	-	-	31-2	"SPONSOR WESTPORT SQUARES"
0010	31-4	84+34 'K'	78.7 LT	CTH K	R2-1	30X36	7.5	-	-	-	-	1	-	-	40 MPH
0010	31-5	83+10 'K'	71.4 LT	CTH K	M1-5A	24X24	4	-	-	-	1	-	-	-	CTH K
0010	31-6	83+83 'K'	31.4 LT	CTH K MEDIAN	R2-1	30x36	7.5	-	-	-	-	1	-	-	40 MPH
0010	32-1	13+10 'NS'	24.2 LT	N SHORE BAY DR	W11-15	30X30	-	6.25	-	-	-	1	-	-	-
0010	32-3	15+94 'NS'	16.7 LT	N SHORE BAY DR/CORNER CT - N MEDIAN	R4-7	24X30	5	-	-	-	1	-	-	-	-
0010	32-4	13+58 'SP1'	6.5 RT	SHARED-USE PATH SPUR	I-SP	24X18	3	-	-	-	1	-	-	32-5,32-6,32-7	"NORTH MENDOTA TRAIL"
0010	32-5	13+58 'SP1'	6.5 RT	SHARED-USE PATH SPUR	FB-A	24X8	1	-	-	-	-	-	-	32-4,32-6,32-7	RIGHT DEST.: "WESTPORT NEIGHBORHOODS"
0010	32-6	13+58 'SP1'	6.5 RT	SHARED-USE PATH SPUR	FB-A	24X8	1	-	-	-	-	-	-	32-4,32-5,32-7	RIGHT DEST.: "WESTPORT BUSINESSES"
0010	32-7	13+58 'SP1'	6.5 RT	SHARED-USE PATH SPUR	FB-A	24X8	1	-	-	-	-	-	-	32-4,32-5,32-6	RIGHT DEST.:"STATE HWY 113"
0010	32-12	13+42 "NS"	24.2 RT	N SHORE BAY DR	W6-2	36X36	-	9	-	-	-	1	-	-	-
0010	32-16	10+15 'SP1'	14 LT	SHARED-USE PATH SPUR	R1-1B	18X18	1.86	-	-	-	-	-	-	32-17	-
0010	32-17	10+15 'SP1'	14 LT	SHARED-USE PATH SPUR	FB-A	24X6	1	-	-	-	-	-	-	32-15	LEFT DEST.: "GOV NELSON STATE PARK"
0010	32-18	12+13 'NS'	22.4 RT	N SHORE BAY DR	W11-15	30X30	-	6.25	-	-	-	1	-	-	-
0010	32-20	12+53 'NS'	22.1 RT	N SHORE BAY DR	I-SP	24X18	3	-	-	-	-	1	-	32-20A	"NORTH MENDOTA TRAIL"
0010	32-20A	12+53 'NS'	22.1 RT	N SHORE BAY DR	AR	12X9	0.75	-	-	-	-	-	-	32-20	LEFT ARROW
0010	32-22	13+76 'CC'	31 RT	CORNER CT	R1-1	30X30	6.25	-	-	-	-	-	-	-	-
0010	32-23	14+30 'NS'	39 LT	N SHORE BAY DR	R2-1	30X36	7.5	-	-	-	-	1	-	-	25 MPH
0010	32-24	10+35 'NS'	26.3 RT	N SHORE BAY DR	R7-1L	18X24	3	-	-	-	1	-	-	-	-
0010	32-25	14+80 'NS'	29.5 RT	N SHORE BAY DR	R3-8ER	36X30	7.5	-	-	-	1	-	-	-	-
0010	33-2	17+27 'WL'	6.8 RT	WOODLAND DR	R4-7	24X30	5	-	-	1	-	-	-	-	-
0010	33-3	17+91 'WL'	23.4 LT	WOODLAND DR	R3-8LLR	54X30	7.5	-	-	-	-	1	-	-	-
0010	34-1	18+94 'WL'	24 LT	WOODLAND DR	R2-1	30X36	7.5	-	-	-	-	1	-	-	40 MPH
0010	34-2	18+93 'WL'	24 RT	WOODLAND DR	R2-1	30X36	7.5	-	-	-	-	1	-	-	45 MPH
						SUBTOTAL	205.29	81.75	0	9	11	23	0		
						PROJECT TOTAL	930.79	180.5	74.6	23	37	76	5		

EROSION CONTROL

CATEGORY	STATION	OFFSET	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.6005 TURBIDITY BARRIER SY	REMARKS
0010	271+54 'EB' 272+10 'EB'	RT	CTH M/ONCKEN RD - NE CORNER	65	65	-	-
0010	281+06 'EB' 281+61 'EB'	RT	CTH M	55	55	-	-
0010	281+61 'EB' 281+85 'EB'	RT	DORN CREEK	-	-	92	-
0010	281+85 'EB' 285+82 'EB'	RT	CTH M	125	125	-	-
0010	285+86 'EB' 288+19 'EB'	RT	DORN CREEK POND	280	280	-	-
0010	286+90 'EB' 289+76 'EB'	LT	CTH M	295	295	-	-
0010	294+58 'EB' 294+89 'EB'	LT	SHILLING LN DRIVE	50	50	-	-
0010	294+97 'EB' 296+31 'EB'	LT	SHILLING LN CULDESAC	165	165	-	-
0010	294+75 'EB' 14+06 'SC'	LT	SHILLING LN CULDESAC	530	530	-	-
0010	10+31 'SC' 14+06 'SC'	RT	SHILLING LN CULDESAC	405	405	-	-
0010	304+44 'EB' 16+86 'NSN'	RT	CTH M/N SHORE BAY DR - SW CORNER	140	140	-	-
0010	10+30 "CC"	LT & RT	N SHORE BAY DRIVE DEAD END	115	115	-	-
0010	10+00 'NSN' 313+96 'EB'	RT	N SHORE BAY DR AND SHARED USE SPUR	1115	1115	-	-
0010	312+07 'EB' 313+72 'EB'	LT	CTH M	170	170	-	-
0010	313+72 'EB' 313+96 'EB'		SIX MILE CREEK	-	-	275	-
0010	314+71 'EB' 314+73 'EB'		SIX MILE CREEK	-	-	300	-
0010	314+71 'EB' 318+58 'EB'	RT	CTH M	540	540	-	-
0010	314+73 'EB' 315+11 'EB'	LT	CTH M	40	40	-	-
0010	315+15 'EB' 319+88 'EB'	LT	CTH M	475	475	-	-
0010	319+92 'EB' 320+85 'EB'	LT	CTH M	100	100	-	-
0010	320+89 'EB' 323+05 'EB'	LT	CTH M	220	220	-	-
0010	319+71 'EB' 339+35 'EB'	RT	CTH M	2000	2000	-	-
0010	323+09 'EB' 19+19 'WL'	LT	WOODLAND DR	1095	1095	-	-
0010	15+62 'WL' 13+98 'WL'	RT	WOODLAND DR	165	165	-	-
0010	13+94 'WL' 329+33 'EB'	RT	WOODLAND DR	270	270	-	-
0010	329+39 'EB' 334+97 'EB'	LT	CTH M	555	555	-	-
0010	335+03 'EB' 335+54 'EB'	LT	CTH M	50	50	-	-
0010	346+99 'EB' 347+22 'EB'	LT	CTH M	40	40	-	-
0010	350+55 'EB' 352+78 'EB'	LT	MARY LAKE POND	225	225	160	-
0010	346+00 'EB' 353+00 'EB'	RT	CTH M	815	815	-	-
0010	11+02 'ML' 12+28 'ML'	LT	MARY LAKE RD	140	140	-	-
0010	10+50 "ML" 12+28 "ML"	RT	MARY LAKE RD	190	190	-	-
0010	10+69 'KU' 10+15 'KU'	LT	KUPFER RD	100	100	-	-
0010	10+15 'KU' 11+27 'KU'	RT	KUPFER RD	125	125	-	-
0010	354+85 'EB' 356+76 'EB'	LT	CTH M	195	195	-	-
0010	356+84 'EB' 363+53 'EB'	LT	CTH M	670	670	-	-
0010	10+83 'WW' 11+14 'WW'	LT	WILLOW RD (WEST)	75	75	-	-
0010	356+65 'EB' 357+64 'EB'	LT	CTH M	105	105	-	-
0010	357+74 'EB' 363+52 'EB'	LT	CTH M AND RESTORATION POND	1000	1000	1400	-
0010	12+01 'WW' 367+89 'EB'	RT	CTH M	270	270	-	-
0010	367+89 'EB' 368+23 'EB'	RT	CTH M CULVERT	83	83	50	-
0010	367+66 'EB' 368+26 'EB'	LT	CTH M	65	65	-	-
0010	368+26 'EB' 368+72 'EB'	LT	CTH M CULVERT	55	55	92	-
0010	368+15 'EB' 370+11 'EB'	RT	CTH M	210	210	-	-
0010	368+72 'EB' 371+19 'EB'	LT	CTH M	250	250	-	-
	SUBTOTAL			13633	13633	2369	

EROSION CONTROL

CATEGORY	STATION	OFFSET	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.6005 TURBIDITY BARRIER SY	REMARKS
0010	371+25 'EB' 371+65 'EB'	LT	CTH M	40	40	-	-
0010	371+65 'EB' 373+34 'EB'	LT	CTH M	170	170	-	-
0010	373+34 'EB' 377+38 'EB'	LT	CTH M	405	405	-	-
0010	377+45 'EB' 380+62 'EB'	LT	CTH M	325	325	-	-
0010	380+67 'EB' 381+01 'EB'	LT	CTH M	40	40	-	-
0010	381+00 'EB' 387+00 'EB'	RT	CTH M	550	550	-	-
0010	388+00 'EB' 389+00 'EB'	RT	CTH M	140	140	-	-
0010	10+36 'WE' 10+62 'WE'	RT	WILLOW RD (EAST)/LIVERPOOL ST	60	60	-	-
0010	10+92 'WE' 12+00 'WE'	RT	WILLOW RD (EAST)	150	150	-	-
0010	379+02 'EB' 381+64 'EB'	RT	CTH M	280	280	-	-
0010	380+85 'EB' 382+42 'EB'	LT	CTH M	155	155	-	-
0010	382+76 'EB' 383+85 'EB'	LT	CTH M	120	120	-	-
0010	71+79 'K' 74+52 'K'	LT	CTH K	285	285	-	-
0010	74+75 'K' 75+07 'K'	LT	CTH K	40	40	-	-
0010	75+58 'K' 77+13 'K'	LT	CTH K	155	155	-	-
0010	78+25 "K" 82+00 "K"	LT	CTH K	360	360	-	-
			UNDISTRIBUTED (25%)	4227	4227	593	
			SUBTOTAL	7502	7502	593	
			PROJECT TOTAL	21135	21135	2962	

EROSION CONTROL

CATEGORY	STATION	OFFSET	LOCATION	627.0200 MULCHING SY	REMARKS
0010	271+54 'EB' 272+15 'EB'	RT	CTH M/ONCKEN RD - NE CORNER	110	-
0010	272+05 'EB' 278+24 'EB'	RT	CTH M	1220	-
0010	289+36 'EB' 304+94 'EB'	RT	CTH M - N SHORE BAY DR	3500	-
0010	289+45 'EB' 302+94 'EB'	LT	CTH M - MEDIAN	2880	-
0010	10+00 'SC' 14+06 'EB'	RT	SHILLING LN CULDESAC	420	-
0010	10+00 'SC' 14+06 'EB'	LT	SHILLING LN CULDESAC	330	-
0010	297+34 'EB' 79+02 'K'	LT	CTH M/CTH K	5280	-
0010	78+41 'K' 10+26 'S'	RT	CTH K/SHILLING LN	250	-
0010	10+26 'S' 71.88 'K'	RT	SHILLING LN/CTH K	1510	-
0010	71+87 'K' 75+15 'K'	LT	CTH K	410	-
0010	75+50 'K' 78+02 'K'	LT	CTH K	240	-
0010	77+88 'K' 78+34 'K'	LT	CTH K - MEDIAN	60	-
0010	78+32 'K' 11+64 'DW1'	LT	CTH K/DRIVEWAY	1120	-
0010	11+64 'DW1' 82+25 'K'	LT	DRIVEWAY/CTH K	130	-
0010	79+04 'K' 81+95 'K'	LT	CTH K - MEDIAN	550	-
0010	82+24 'K' 86+11 'K'	LT	CTH K - MEDIAN	980	-
0010	85+51 'K' 85+97 'K'	LT	CTH K/CTH M - NE CORNER	40	-
0010	10+00 'NSN' 310+45 'EB'	RT	N SHORE BAY DR/CTH M	2760	-
0010	308+85 'EB' 309+59 'EB'	RT	SHARED USE PATH - MEDIAN	240	-
0010	310+71 'EB' 313+98 'EB'	RT	SHARED USE PATH BOARDWALK	780	-
0010	314+62 'EB' 319+52 'EB'	RT	CTH M - MANSFIELD RD	1040	-
0010	10+83 'MA' 10+21 'MA'	LT	MANSFIELD RD	70	-
0010	10+21 'MA' 10+90 'MA'	RT	MANSFIELD RD	100	-
0010	319+97 'EB' 326+65.34	RT	CTH M	3770	-
0010	316+44 'EB' 327+18 'EB'	LT	CTH M	3070	-
0010	11+70 'WL' 19+10 'WL'	LT	WOODLAND DR	610	-
0010	321+05 'EB' 326+65 'EB'	LT	CTH M - MEDIAN	860	-
0010	326+75 'EB' 339+32 'EB'	RT	CTH M	2790	-
0010	328+00 'EB' 339+26 'EB'	LT	CTH M - MEDIAN	1770	-
0010	335+35 'EB' 339+31 'EB'	LT	CTH M	1020	-
0010	339+51 'EB' 343+59 'EB'	LT	CTH M	1050	-
0010	339+56 'EB' 345+10 'EB'	LT	CTH M - MEDIAN	1530	-
0010	339+50 'EB' 345+13 'EB'	RT	CTH M	250	-
0010	345+37 'EB' 354+04 'EB'	RT	CTH M	460	-
0010	345+40 'EB' 352+03 'EB'	LT	CTH M - MEDIAN	1710	-
0010	12+23 'ML' 356+83 'EB'	LT	MARY LAKE RD/CTH M	1410	-
0010	356+63 'EB' 357+48 'EB'	LT	CTH M -MEDIAN	130	-
0010	357+78 'EB' 376+39 'EB'	LT	CTH M -MEDIAN	3440	-
0010	362+56 'EB' 363+34 'EB'	LT	CTH M/WETLAND RESTORATION AREA ACCESS ROAD	1340	-
0010	371+07 'EB' 11+38 'WE'	RT	CTH M/WILLOW RD (EAST)	1760	-
0010	10+97 'WE' 10+46 'WE'	LT	WILLOW RD (EAST)	30	-
0010	10+30 'WE' 10+62 'WE'	RT	WILLOW RD (EAST)	20	-
0010	10+93 'WE' 387+37 'EB'	RT	WILLOW RD (EAST)/CTH M - BLUE BILL PARK DR	2660	-
0010	378+62 'EB' 382+42 'EB'	LT	CTH M	710	-
0010	380+22 'EB' 387+06 'EB'	LT	CTH M -MEDIAN	1360	-
0010	382+76 'EB' 383+74 'EB'	LT	CTH M	170	-
0010	387+02 'EB' 387+49 'EB'	LT	CTH M/BLUE BILL PARK DR - NW CORNER	30	-
0010	387+95 'EB' 388+14 'EB'	LT	CTH M/BLUE BILL PARK DR - NE CORNER	10	-
0010	387+96 'EB' 388+98 'EB'	RT	CTH M/BLUE BILL PARK DR - NW CORNER	140	-
			UNDISTRIBUTED (25%)	14030	
			PROJECT TOTAL	70150	

EROSION CONTROL

CATEGORY	STATION	OFFSET	LOCATION	628.2004 EROSION MAT CLASS I TYPE B SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	REMARKS
0010	271+61 'EB' 279+25 'EB'	LT	CTH M	4440	-	-
0010	279+25 'EB' 281+59 'EB'	LT	CTH M - DORN CREEK	-	1920	-
0010	281+83 'EB' 283+49 'EB'	LT	CTH M - DORN CREEK	-	1010	-
0010	283+49 'EB' 289+15 'EB'	LT	CTH M - MEDIAN	3970	-	-
0010	288+36 'EB' 289+00 'EB'	RT	CTH M	40	-	-
0010	289+55 'EB' 302+94 'EB'	LT	CTH M - MEDIAN	3480	-	-
0010	289+51 'EB' 295+64 'EB'	RT	CTH M	440	-	-
0010	278+24 'EB' 279+22 'EB'	RT	CTH M	380	-	-
0010	279+22 'EB' 283+46 'EB'	RT	CTH M - DORN CREEK	-	970	-
0010	283+46 'EB' 288+20 'EB'	RT	CTH M - DORN CREEK POND	3540	-	
0010	289+42 'EB' 297+34 'EB'	LT	CTH M	5260	-	-
0010	296+40 'EB' 304+94 'EB'	RT	CTH M	490	-	-
0010	298+89 'EB' 79+88 'K'	LT	CTH M/CTH K	1090	-	-
0010	71+85 'K' 76+30 'K'	RT	CTH K	260	-	-
0010	77+88 'K' 78+34 'K'	LT	CTH K - MEDIAN	60	-	-
0010	78+54 'K' 81+81 'K'	LT	CTH K	80	-	-
0010	79+06 'K' 81+97 'K'	LT	CTH K - MEDIAN	550	-	-
0010	82+24 'K' 86+13 'K'	LT	CTH K - MEDIAN	980	-	-
0010	82+20 'K' 312+06 'EB'	LT	CTH K/CTH K POND/CTH M	11850	-	-
0010	312+06 'EB' 313+79 'EB'	LT	CTH M - SIX MILE CREEK	-	320	-
0010	304+94 'EB' 10+59 'CC'	RT	CTH M/N SHORE BAY DR/CORNER CT	2080	-	-
0010	10+55 'CC' 10+00 'NSN'	RT	CORNER CT/N SHORE BAY DR	2850	-	-
0010	12+68 'NSN' 17+35 'NSN'	RT	N SHORE BAY DR POND	6720	-	-
0010	306+73 'EB' 312+07 'EB'	RT	CTH M	1530	-	-
0010	312+07 'EB' 314+03 'EB'	RT	CTH M - SIX MILE CREEK	-	360	-
0010	314+88 'EB' 316+31 'EB'	RT	CTH M - SIX MILE CREEK	-	340	
0010	314+49 'EB' 316+44 'EB'	LT	CTH M - SIX MILE CREEK	-	470	-
0010	316+31 'EB' 319+59 'EB'	RT	CTH M - MANSFIELD RD	960	-	-
0010	321+04 'EB' 326+66 'EB'	LT	CTH M - MEDIAN	860	-	-
0010	19+10 'WL' 335+35 'EB'	RT	WOODLAND DR/CTH M	4420	-	-
0010	335+37 'EB' 339+25 'EB'	LT	CTH M	240	-	-
0010	327+99 'EB' 339+25 'EB'	LT	CTH M- MEDIAN	3120	-	-
0010	333+08 'EB' 339+33 'EB'	RT	CTH M	1440	-	-
0010	339+47 'EB' 345+16 'EB'	RT	CTH M	630	-	-
0010	339+47 'EB' 345+11 'EB'	LT	CTH M - MEDIAN	1530	-	-
0010	345+32 'EB' 10+16 'KU'	RT	CTH M - KUPFER RD	3200	-	-
0010	339+61 'EB' 345+03 'EB'	RT	CTH M	320	-	-
0010	339+61 'EB' 344+09 'EB'	LT	CTH M	250	-	-
0010	343+59 'EB' 12+25 'ML'	LT	MARY LAKE POND EXTENSION	8160	-	-
0010	12+24 'ML' 357+64 'EB'	LT	MARY LAKE RD/CTH M	1310	-	-
0010	10+15 'KU' 11+16 'WW'	RT	KUPFER RD - WILLOW RD (WEST)	5850	-	-
0010	356+62 'EB' 357+48 'EB'	LT	CTH M - MEDIAN	130	-	-
0010	357+80 'EB' 376+40 'EB'	LT	CTH M- MEDIAN	3440	-	-
0010	363+32 'EB' 367+18 'EB'	LT	CTH M	3110	-	-
0010	367+18 'EB' 368+24 'EB'	LT	CTH M - CULVERT	-	870	-
			SUBTOTAL	89060	6260	

EROSION CONTROL

CATEGORY	STATION	OFFSET	LOCATION	628.2004 EROSION MAT CLASS I TYPE B SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	REMARKS
0010	368+49 'EB' 369+88 'EB'	LT	CTH M - CULVERT	-	370	-
0010	369+88 'EB' 381+03 'EB'	LT	CTH M	3100	-	-
0010	12+00 'WW' 367+20 'EB'	RT	WILLOW RD (WEST)/CTH M	670	-	-
0010	367+20 'EB' 368+86 'EB'	RT	CTH M - CULVERT	-	450	-
0010	368+86 'EB' 377+38 'EB'	RT	CTH M - WILLOW RD (EAST)	950	-	-
0010	380+21 'EB' 387+07 'EB'	LT	CTH M - MEDIAN	1360	-	-
			UNDISTRIBUTED (25%)	23790		
			SUBTOTAL	29870	820	
			PROJECT TOTAL	118930	7080	

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EROSION CONTROL

CATEGORY	STATION	OFFSET	LOCATION	628.7005 INLET PROTECTION TYPE A EA	628.7015 INLET PROTECTION TYPE D EA	REMARKS
0010	287+64 'EB'	15.2 LT	CTH M- MEDIAN	1	-	-
0010	312+37 'EB'	1.5 LT	CTH M - MEDIAN	-	1	-
0010	312+37 'EB'	10.8 LT	CTH M - MEDIAN	-	1	-
0010	328+64 'EB'	28.5 LT	CTH M - MEDIAN	-	1	-
0010	328+64 'EB'	1.5 LT	CTH M - MEDIAN	-	1	-
0010	335+00 'EB'	15 LT	CTH M - MEDIAN	1	-	-
0010	344+25 'EB'	1.5 LT	CTH M - MEDIAN	-	1	-
0010	344+25 'EB'	14.5 LT	CTH M - MEDIAN	1	-	-
0010	344+25 'EB'	28.5 LT	CTH M - MEDIAN	-	1	-
0010	355+98 'EB'	10.5 LT	CTH M - MEDIAN	-	1	-
0010	355+98 'EB'	1.5 LT	CTH M - MEDIAN	-	1	-
0010	358+32 'EB'	13.6 LT	CTH M - MEDIAN	1	-	-
0010	364+62 'EB'	15 LT	CTH M - MEDIAN	1	-	-
0010	364+89 'EB'	61.6 RT	CTH M	1	-	-
0010	370+75 'EB'	1.5 LT	CTH M - MEDIAN	-	1	-
0010	370+75 'EB'	10.5 LT	CTH M - MEDIAN	-	1	-
0010	382+13 'EB'	54.7 LT	CTH M	-	1	-
0010	74+62 'K'	41.6 LT	CTH K	1	-	-
0010	74+62 'K'	25.7 LT	CTH K	-	1	-
0010	13+95 'WL'	25.6 LT	WOODLAND DR	-	1	-
0010	13+96 'WL'	13.2 RT	WOODLAND DR	-	1	-
0010	18+19 'WL'	17.2 LT	WOODLAND DR	-	1	-
0010	11+99 'WL'	21.4 LT	WOODLAND DR	-	2	-
0010	389+13 'EB'	18 LT	CTH M - MEDIAN	-	3	-
0010	389+14 'EB'	3.8 RT	CTH M - MEDIAN	-	1	-
0010	396+53 'EB'	52.4 LT	CTH M - MEDIAN	-	3	-
0010	396+64 'EB'	3.9 RT	CTH M - MEDIAN	-	1	-
0010	402+28 'EB'	47.2 LT	CTH M - MEDIAN	-	2	-
0010	402+29 'EB'	3.9 RT	CTH M - MEDIAN	-	2	-
			UNDISTRIBUTED (25%)	2	8	
			PROJECT TOTAL	9	37	

EROSION CONTROL

CATEGORY	STATION	OFFSET	LOCATION	628.7015 INLET PROTECTION TYPE C EA	REMARKS
0010	273+09 'EB'	1.5 LT	CTH M - MEDIAN	1	-
0010	274+25 'EB'	10.5 LT	CTH M - MEDIAN	1	-
0010	277+75 'EB'	28.5 LT	CTH M - MEDIAN	1	-
0010	278+00 'EB'	15.5 LT	CTH M - MEDIAN	1	-
0010	278+10 'EB'	28.5 LT	CTH M - MEDIAN	1	-
0010	278+12 'EB'	1.2 LT	CTH M - MEDIAN	1	-
0010	278+46 'EB'	1 LT	CTH M - MEDIAN	1	-
0010	281+50 'EB'	1.5 LT	CTH M - MEDIAN	1	-
0010	282+00 'EB'	28.6 LT	CTH M - MEDIAN	1	-
0010	284+98 'EB'	28.5 LT	CTH M - MEDIAN	1	-
0010	284+98 'EB'	2 LT	CTH M - MEDIAN	1	-
0010	287+63 'EB'	1.5 LT	CTH M- MEDIAN	1	-
0010	287+64 'EB'	28.1 LT	CTH M - MEDIAN	1	-
0010	288+74 'EB'	58 LT	CTH M	1	-
0010	290+00 'EB'	1.4 LT	CTH M - MEDIAN	1	-
0010	290+49 'EB'	58.6 LT	CTH M	1	-
0010	291+00 'EB'	28.7 LT	CTH M - MEDIAN	1	-
0010	292+99 'EB'	58.2 LT	CTH M	1	-
0010	293+98 'EB'	28.4 LT	CTH M	1	-
0010	299+83 'EB'	25.4 LT	CTH M - MEDIAN	1	-
0010	300+99 'EB'	15.6 LT	CTH M - MEDIAN	1	-
0010	302+95 'EB'	16.5 LT	CTH M - MEDIAN	1	-
0010	302+94 'EB'	26.5 LT	CTH M - MEDIAN	1	-
0010	304+70 'EB'	28.1 LT	CTH M - MEDIAN	1	-
0010	305+04 'EB'	29.3 LT	CTH M - MEDIAN	1	-
0010	305+15 'EB'	19.6 LT	CTH M - MEDIAN	1	-
0010	308+75 'EB'	1 LT	CTH M - MEDIAN	1	-
0010	309+14 'EB'	8.9 LT	CTH M - MEDIAN	1	-
0010	311+91 'EB'	12.5 LT	CTH M - MEDIAN	1	-
0010	311+94 'EB'	0.5 LT	CTH M - MEDIAN	1	-
0010	315+13 'EB'	11.3 LT	CTH M - MEDIAN	1	-
0010	315+13 'EB'	2.5 LT	CTH M - MEDIAN	1	-
0010	320+87 'EB'	8.3 LT	CTH M - MEDIAN	1	-
0010	321+06 'EB'	1.5 LT	CTH M - MEDIAN	1	-
0010	323+10 'EB'	24.6 LT	CTH M - MEDIAN	1	-
0010	323+10 'EB'	13 LT	CTH M - MEDIAN	1	-
0010	328+65 'EB'	15 LT	CTH M - MEDIAN	1	-
0010	329+33 'EB'	1.5 LT	CTH M - MEDIAN	1	-
0010	330+96 'EB'	24.6 LT	CTH M - MEDIAN	1	-
0010	331+35 'EB'	1.5 LT	CTH M - MEDIAN	1	-
0010	335+00 'EB'	29.5 LT	CTH M - MEDIAN	1	-
0010	335+00 'EB'	1.4 LT	CTH M - MEDIAN	1	-
0010	335+00 'EB'	27 RT	CTH M	1	-
0010	337+36 'EB'	28.5 LT	CTH M - MEDIAN	1	-
0010	337+50 'EB'	1.5 LT	CTH M - MEDIAN	1	-
			SUBTOTAL	45	

EROSION CONTROL

628.7015

CATEGORY	STATION	OFFSET	LOCATION	INLET PROTECTION TYPE C EA	REMARKS
0010	344+00 'EB'	1.5 LT	CTH M - MEDIAN	1	-
0010	344+03 'EB'	29.5 LT	CTH M - MEDIAN	1	-
0010	344+25 'EB'	28 RT	CTH M	1	-
0010	344+50 'EB'	28 RT	CTH M	1	-
0010	353+26 'EB'	18.9 LT	CTH M - MEDIAN	1	-
0010	353+69 'EB'	19.4 LT	CTH M - MEDIAN	1	-
0010	353+62 'EB'	38.8 RT	CTH M	1	-
0010	353+23 'EB'	40.2 RT	CTH M	1	-
0010	356+44 'EB'	10.6 LT	CTH M - MEDIAN	1	-
0010	356+45 'EB'	1.6 LT	CTH M - MEDIAN	1	-
0010	356+34 'EB'	44.3 RT	CTH M	1	-
0010	358+42 'EB'	28.4 LT	CTH M - MEDIAN	1	-
0010	358+38 'EB'	1.7 LT	CTH M - MEDIAN	1	-
0010	364+61 'EB'	1.5 LT	CTH M - MEDIAN	1	-
0010	364+60 'EB'	25.7 LT	CTH M - MEDIAN	1	-
0010	367+62 'EB'	1.5 LT	CTH M - MEDIAN	1	-
0010	367+61 'EB'	13.4 LT	CTH M - MEDIAN	1	-
0010	371+21 'EB'	2 LT	CTH M - MEDIAN	1	-
0010	371+21 'EB'	10.4 LT	CTH M - MEDIAN	1	-
0010	377+45 'EB'	19.5 LT	CTH M - MEDIAN	1	-
0010	377+46 'EB'	28.3 LT	CTH M - MEDIAN	1	-
0010	10+77 'WE'	59.2 RT	LIVERPOOL ST	1	-
0010	10+91 'WE'	54.5 RT	LIVERPOOL ST	1	-
0010	380+37 'EB'	27.6 RT	CTH M	1	-
0010	380+82 'EB'	1.5 LT	CTH M - MEDIAN	1	-
0010	381+11 'EB'	23.2 LT	CTH M - MEDIAN	1	-
0010	381+08 'EB'	57.4 LT	CTH M	1	-
0010	382+13 'EB'	25.1 LT	CTH M - MEDIAN	1	-
0010	382+11 'EB'	24.2 RT	CTH M - MEDIAN	1	-
0010	382+12 'EB'	2.7 RT	CTH M - MEDIAN	1	-
0010	382+21 'EB'	2.6 RT	CTH M - MEDIAN	1	-
0010	382+88 'EB'	53.3 LT	CTH M	1	-
0010	388+50 'EB'	143.7 RT	WESTPORT RD	1	M&O SECTION
0010	78+32 'K'	18 RT	CTH K	1	-
0010	78+75 'K'	17.4 RT	CTH K	1	-
0010	79+11 'K'	2.1 RT	CTH K	1	-
0010	79+13 'K'	18.6 LT	CTH K	1	-
0010	81+76 'K'	12.2 LT	CTH K	1	-
0010	81+95 'K'	31.6 LT	CTH K	1	-
0010	84+77 'K'	38.5 LT	CTH K	1	-
0010	86+07 'K'	13 LT	CTH K	1	-
0010	86+18 'K'	58.5 LT	CTH K	1	-
0010	85+92 'K'	96 LT	CTH K	1	-
0010	13+74 'WL'	25.7 LT	WOODLAND DR	1	-
0010	13+75 'WL'	13.3 RT	WOODLAND DR	1	-
			SUBTOTAL	45	

EROSION CONTROL

628.7015

CATEGORY	STATION	OFFSET	LOCATION	INLET PROTECTION TYPE C EA	REMARKS
0010	13+96 'WL'	21.5 RT	WOODLAND DR	1	-
0010	385+02 'EB'	46.7 LT	CTH M	1	M&O SECTION
0010	385+02 'EB'	0.4 LT	CTH M - MEDIAN	1	M&O SECTION
0010	385+12 'EB'	1.8 LT	CTH M - MEDIAN	1	M&O SECTION
0010	385+02 'EB'	33.6 RT	CTH M	1	M&O SECTION
0010	387+47 'EB'	75.1 RT	N BLUE BILL PARK DR (S APPROACH)	1	M&O SECTION
0010	387+90 'EB'	83.4 RT	N BLUE BILL PARK DR (S APPROACH)	1	M&O SECTION
0010	387+85 'EB'	138.8 LT	N BLUE BILL PARK DR (N APPROACH)	1	M&O SECTION
0010	389+14 'EB'	59.7 LT	CTH M	1	M&O SECTION
0010	389+14 'EB'	22.7 RT	CTH M	1	M&O SECTION
0010	395+61 'EB'	49.3 LT	CTH M	1	M&O SECTION
0010	396+63 'EB'	72.4 LT	CTH M	1	M&O SECTION
0010	396+54 'EB'	22.6 RT	CTH M	2	M&O SECTION
0010	397+36 'EB'	3.8 RT	CTH M	1	M&O SECTION
0010	398+12 'EB'	73.7 LT	CTH M	1	M&O SECTION
0010	402+28 'EB'	66.1 LT	CTH M	1	M&O SECTION
0010	402+29 'EB'	33.5 RT	CTH M	1	M&O SECTION
			UNDISTRIBUTED (25%)	27	
			SUBTOTAL	45	
			PROJECT TOTAL	135	

EROSION CONTROL

CATEGORY	STATION	OFFSET	LOCATION	SPV.0035.04 TEMPORARY STONE DITCH CHECKS CY	628.7555 CULVERT PIPE CHECKS EA	REMARKS
0010	275+38 'EB'	66.4 LT	CTH M	1.25	-	-
0010	277+64 'EB'	71.5 LT	CTH M	1	-	-
0010	277+99 'EB'	80.4 LT	CTH M	1	-	-
0010	281+56 'EB'	118.8 LT	CTH M	1	-	-
0010	281+91 'EB'	118 LT	CTH M	1	-	-
0010	284+77 'EB'	15 LT	CTH M - MEDIAN	1.5	-	-
0010	286+28 'EB'	106.7 RT	CTH M	-	1	-
0010	288+46 'EB'	53.5 RT	CTH M	-	1	-
0010	288+37 'EB'	15 LT	CTH M - MEDIAN	1.5	-	-
0010	289+51 'EB'	47.9 RT	CTH M	-	1	-
0010	289+55 'EB'	15.1 LT	CTH M - MEDIAN	-	1	-
0010	291+28 'EB'	45.7 RT	CTH M	0.78	-	-
0010	291+51 'EB'	15 LT	CTH M - MEDIAN	1.5	-	-
0010	17+28 'NS'	73 LT	N SHORE BAY DR	-	1	-
0010	13+54 'NS'	37.2 LT	N SHORE BAY DR	-	1	-
0010	13+91 'SP1'	32.6 LT	SHARED USE SPUR	-	1	-
0010	320+24 'EB'	53.2 RT	CTH M	-	1	-
0010	329+35 'EB'	46.4 RT	CTH M	-	1	-
0010	339+61 'EB'	57.5 RT	CTH M	-	1	-
0010	339+62 'EB'	77.2 LT	CTH M	-	1	-
0010	345+03 'EB'	54.4 RT	CTH M	-	1	-
0010	345+48 'EB'	15.2 LT	CTH M - MEDIAN	-	1	-
0010	311+82 'EB'	86.5 LT	CTH M	8.33	-	NEAR SIX MILE CREEK
0010	312+02 'EB'	82.5 LT	CTH M	8.33	-	NEAR SIX MILE CREEK
0010	350+62 'EB'	120 LT	CTH M	10.87	-	-
0010	353+70 'EB'	94 RT	CTH M	-	1	-
0010	10+97 'ML'	50.1 LT	MARY LAKE RD	-	1	-
0010	356+37 'EB'	102.1 LT	CTH M	-	1	-
0010	357+89 'EB'	95.3 LT	CTH M	-	1	-
0010	364+65 'EB'	97.7 RT	CTH M	-	1	-
0010	368+12 'EB'	82' LT	CTH M	2	-	NEAR WETLAND
0010	368+12 'EB'	92' LT	CTH M	2	-	NEAR WETLAND
0010	368+18 'EB'	87' LT	CTH M	6.82	-	NEAR WETLAND
0010	12+01 'WE'	67.9 RT	WILLOW RD	-	1	-
0010	78+78 'K'	26.8 RT	CTH K	-	1	-
0010	81+81 'K'	86.7 LT	CTH K	-	1	-
0010	16+75 'WL'	47.7 RT	WOODLAND DR	-	1	-
			PROJECT TOTAL	49	23	

EROSION CONTROL

CATEGORY	STATION	OFFSET	LOCATION	628.7504 TEMPORARY DITCH CHECKS EA	REMARKS
0010	272+93 'EB'	76.1 LT	CTH M	1	-
0010	273+79 'EB'	75.8 LT	CTH M	1	-
0010	274+31 'EB'	71.9 LT	CTH M	1	-
0010	275+02 'EB'	67.5 LT	CTH M	1	-
0010	276+74 'EB'	67.4 LT	CTH M	1	-
0010	278+74 'EB'	14.9 LT	CTH M - MEDIAN	1	-
0010	279+21 'EB'	105.2 LT	CTH M	1	-
0010	279+34 'EB'	12.9 LT	CTH M - MEDIAN	1	-
0010	279+85 'EB'	13.6 LT	CTH M - MEDIAN	1	-
0010	280+35 'EB'	15.4 LT	CTH M - MEDIAN	1	-
0010	280+93 'EB'	16.8 LT	CTH M - MEDIAN	1	-
0010	281+41 'EB'	15.4 LT	CTH M - MEDIAN	1	-
0010	282+38 'EB'	14.5 LT	CTH M - MEDIAN	1	-
0010	283+01 'EB'	110.3 LT	CTH M	1	-
0010	283+22 'EB'	16.2 LT	CTH M - MEDIAN	1	-
0010	283+46 'EB'	108.7 LT	CTH M	1	-
0010	283+94 'EB'	15.9 LT	CTH M - MEDIAN	1	-
0010	284+49 'EB'	15.4 LT	CTH M - MEDIAN	1	-
0010	285+44 'EB'	16.1 LT	CTH M - MEDIAN	1	-
0010	286+02 'EB'	16.3 LT	CTH M - MEDIAN	1	-
0010	286+54 'EB'	15.9 LT	CTH M - MEDIAN	1	-
0010	286+56 'EB'	106.7 LT	CTH M	1	-
0010	287+12 'EB'	14.9 LT	CTH M - MEDIAN	1	-
0010	288+02 'EB'	14.6 LT	CTH M - MEDIAN	1	-
0010	289+97 'EB'	15.5 LT	CTH M - MEDIAN	1	-
0010	290+02 'EB'	48.8 RT	CTH M	1	-
0010	290+69 'EB'	46.8 RT	CTH M	1	-
0010	290+91 'EB'	16.2 LT	CTH M - MEDIAN	1	-
0010	291+86 'EB'	45.8 RT	CTH M	1	-
0010	292+44 'EB'	17.2 LT	CTH M - MEDIAN	1	-
0010	292+65 'EB'	43.1 RT	CTH M	1	-
0010	293+31 'EB'	15 LT	CTH M - MEDIAN	1	-
0010	293+80 'EB'	41.4 RT	CTH M	1	-
0010	294+19 'EB'	14 LT	CTH M - MEDIAN	1	-
0010	294+60 'EB'	42.1 RT	CTH M	1	-
0010	295+59 'EB'	11.6 LT	CTH M - MEDIAN	1	-
0010	296+86 'EB'	12.3 LT	CTH M - MEDIAN	1	-
0010	297+57 'EB'	45.3 RT	CTH M	1	-
0010	297+99 'EB'	14 LT	CTH M - MEDIAN	1	-
0010	298+11 'EB'	47.2 RT	CTH M	1	-
0010	298+71 'EB'	48 RT	CTH M	1	-
0010	299+01 'EB'	14 LT	CTH M - MEDIAN	1	-
0010	299+36 'EB'	47.4 RT	CTH M	1	-
0010	299+94 'EB'	73.2 LT	CTH M	1	-
0010	299+93 'EB'	47.7 RT	CTH M	1	-
			SUBTOTAL	45	

EROSION CONTROL

628.7504

CATEGORY	STATION	OFFSET	LOCATION	TEMPORARY DITCH CHECKS EA	REMARKS
0010	300+46 'EB'	13.8 LT	CTH M - MEDIAN	1	-
0010	300+51 'EB'	79.4 LT	CTH M	1	-
0010	301+08 'EB'	49.8 RT	CTH M	1	-
0010	301+75 'EB'	13.6 LT	CTH M - MEDIAN	1	-
0010	302+00 'EB'	85.2 LT	CTH M	1	-
0010	302+90 'EB'	58.1 RT	CTH M	1	-
0010	303+76 'EB'	81.5 LT	CTH M	1	-
0010	303+92 'EB'	56 RT	CTH M	1	-
0010	304+79 'EB'	105 LT	CTH M	1	-
0010	15+99 'NS'	55.1 LT	N SHORE BAY DR	1	-
0010	14+15 'NS'	42.3 LT	N SHORE BAY DR	1	-
0010	11+86 'NS'	27.8 LT	N SHORE BAY DR	1	-
0010	12+02 'CC'	76.1 LT	CORNER CT	1	-
0010	12+67 'CC'	33.9 RT	CORNER CT	1	-
0010	308+04 'EB'	44.5 RT	SHARED USE PATH	1	-
0010	102+74 'BP'	19 LT	EXISTING BOARDWALK	1	-
0010	315+34 'EB'	49.1 RT	CTH M	1	-
0010	316+18 'EB'	50 RT	CTH M	1	-
0010	316+95 'EB'	52.1 RT	CTH M	1	-
0010	321+75 'EB'	11.3 LT	CTH M - MEDIAN	1	-
0010	322+44 'EB'	13.2 LT	CTH M - MEDIAN	1	-
0010	323+53 'EB'	18.6 LT	CTH M - MEDIAN	1	-
0010	324+74 'EB'	20.4 LT	CTH M - MEDIAN	1	-
0010	326+03 'EB'	21.2 LT	CTH M - MEDIAN	1	-
0010	328+34 'EB'	16.4 LT	CTH M - MEDIAN	1	-
0010	329+21 'EB'	16.4 LT	CTH M - MEDIAN	1	-
0010	330+13 'EB'	16.1 LT	CTH M - MEDIAN	1	-
0010	331+05 'EB'	16.3 LT	CTH M - MEDIAN	1	-
0010	331+96 'EB'	14.9 LT	CTH M - MEDIAN	1	-
0010	332+97 'EB'	14.8 LT	CTH M - MEDIAN	1	-
0010	334+43 'EB'	15 LT	CTH M - MEDIAN	1	-
0010	335+97 'EB'	77.3 LT	CTH M	1	-
0010	336+16 'EB'	15.2 LT	CTH M - MEDIAN	1	-
0010	336+74 'EB'	76.4 LT	CTH M	1	-
0010	337+69 'EB'	76.1 LT	CTH M	1	-
0010	338+11 'EB'	57.9 RT	CTH M	1	-
0010	338+27 'EB'	14 LT	CTH M - MEDIAN	1	-
0010	338+52 'EB'	76.2 LT	CTH M	1	-
0010	338+71 'EB'	58.8 RT	CTH M	1	-
0010	340+29 'EB'	77.4 LT	CTH M	1	-
0010	341+04 'EB'	14.5 LT	CTH M - MEDIAN	1	-
0010	341+58 'EB'	77.5 LT	CTH M	1	-
0010	342+11 'EB'	49.3 RT	CTH M	1	-
0010	342+25 'EB'	15.7 LT	CTH M - MEDIAN	1	-
0010	342+41 'EB'	77.4 LT	CTH M	1	-
			SUBTOTAL	45	

EROSION CONTROL

628.7504

CATEGORY	STATION	OFFSET	LOCATION	TEMPORARY DITCH CHECKS EA	REMARKS
0010	343+25 'EB'	48.2 RT	CTH M	1	-
0010	343+41 'EB'	81.9 LT	CTH M	1	-
0010	343+46 'EB'	14 LT	CTH M - MEDIAN	1	-
0010	344+13 'EB'	51.6 RT	CTH M	1	-
0010	346+10 'EB'	14.4 LT	CTH M - MEDIAN	1	-
0010	347+38 'EB'	61.4 RT	CTH M	1	-
0010	347+45 'EB'	15.4 LT	CTH M - MEDIAN	1	-
0010	348+71 'EB'	68.4 RT	CTH M	1	-
0010	349+43 'EB'	72.8 RT	CTH M	1	-
0010	349+60 'EB'	15.4 LT	CTH M - MEDIAN	1	-
0010	352+48 'EB'	83.9 RT	CTH M	1	-
0010	357+36 'EB'	44.5 RT	CTH M	1	-
0010	359+25 'EB'	15.6 LT	CTH M - MEDIAN	1	-
0010	359+36 'EB'	44.5 RT	CTH M	1	-
0010	360+22 'EB'	13.7 LT	CTH M - MEDIAN	1	-
0010	361+48 'EB'	12.1 LT	CTH M - MEDIAN	1	-
0010	362+70 'EB'	13.8 LT	CTH M - MEDIAN	1	-
0010	363+67 'EB'	55.6 RT	CTH M	1	-
0010	363+94 'EB'	13.8 LT	CTH M - MEDIAN	1	-
0010	371+44 'EB'	56.5 RT	CTH M	1	-
0010	372+12 'EB'	54.7 RT	CTH M	1	-
0010	372+62 'EB'	44.8 RT	CTH M	1	-
0010	373+13 'EB'	42.4 RT	CTH M	1	-
0010	373+79 'EB'	44.9 RT	CTH M	1	-
0010	375+37 'EB'	54.8 RT	CTH M	1	-
0010	376+48 'EB'	54.8 RT	CTH M	1	-
0010	73+08 'K'	35.6 RT	CTH K	1	-
0010	76+00 'K'	33.9 RT	CTH K	1	-
0010	79+62 'K'	53.4 LT	CTH K	1	-
0010	80+49 'K'	39 RT	CTH K	1	-
0010	81+03 'K'	73.1 LT	CTH K	1	-
0010	81+29 'K'	44.5 RT	CTH K	1	-
0010	81+81 'K'	51.8 RT	CTH K	1	-
0010	82+67 'K'	52.4 RT	CTH K	1	-
0010	83+82 'K'	53.2 RT	CTH K	1	-
			UNDISTRIBUTED (25%)	32	
			SUBTOTAL	67	
			PROJECT TOTAL	157	

RIPRAP

CATEGORY	STATION	OFFSET	LOCATION	606.0200 RIPRAP MEDIUM CY	606.0300 RIPRAP HEAVY CY	645.0120 GEOTEXTILE TYPE HR SY	645.0130 GEOTEXTILE TYPE R SY	REMARKS
0010	80+46 'K'	64 LT	CTH K	7	-	-	41	-
0010	82+25 'K'	91 LT	CTH K	9	-	-	50	-
0010	82+36 'K'	82 LT	CTH K	6	-	-	32	-
0010	83+39 'K'	98 LT	CTH K	12	-	-	72	-
0010	11+32 'KU'	48 RT	KUPFER RD	9	-	-	50	-
0010	278+40 'EB'	84.7 LT	CTH M	12	-	-	72	-
0010	285+84 'EB'	129.2 RT	CTH M	7	-	-	41	-
0010	286+21 'EB'	70.5 RT	CTH M	6	-	-	32	-
0010	287+94 'EB'	87.7 LT	CTH M	12	-	-	72	-
0010	287+64 'EB'	53 RT	CTH M	7	-	-	41	-
0010	289+06 'EB'	15 LT	CTH M	7	-	-	41	17"X13" ARCH PIPE - 15" PIPE EQUIVALENT
0010	289+10 'EB'	49 RT	CTH M	9	-	-	50	-
0010	301+01 'EB'	81.1 LT	CTH M	9	-	-	50	-
0010	302+93 'EB'	80 LT	CTH M	6	-	-	32	-
0010	304+66 'EB'	90 LT	CTH M	6	-	-	32	-
0010	305+08 'EB'	56 RT	CTH M	6	-	-	32	-
0010	306+53 'EB'	226 LT	CTH M	7	-	-	41	-
0010	306+91 'EB'	97 RT	CTH M	17	-	-	98	-
0010	306+95 'EB'	147 LT	CTH M	6	-	-	32	-
0010	308+74 'EB'	44 RT	CTH M	6	-	-	32	-
0010	312+35 'EB'	65 LT	CTH M	9	-	-	50	-
0010	315+13 'EB'	68 LT	CTH M	6	-	-	32	-
0010	319+90 'EB'	61 LT	CTH M	6	-	-	32	-
0010	320+86 'EB'	63 LT	CTH M	6	-	-	32	-
0010	323+07 'EB'	76 LT	CTH M	6	-	-	32	-
0010	329+34 'EB'	46.4 RT	CTH M	12	-	-	72	-
0010	334+99 'EB'	79.83 LT	CTH M	9	-	-	50	-
0010	337+41 'EB'	91.6 LT	CTH M	6	-	-	32	-
0010	339+22 'EB'	60.6 RT	CTH M	9	-	-	50	-
0010	344+22 'EB'	80 LT	CTH M	9	-	-	50	-
0010	352+90 'EB'	104 LT	CTH M	12	-	-	72	-
0010	356+78 'EB'	90 RT	CTH M	5	-	-	42	TRAPAZOIDAL AREA
0010	364+59 'EB'	88 LT	CTH M	9	-	-	50	-
0010	366+01 'EB'	72 RT	WILLOW RD (WEST)	9	-	-	50	-
0010	368+00 'EB'	64 RT	CTH M	-	54	242	-	83"X57" ARCH PIPE- 72" PIPE EQUIVALENT
0010	370+32 'EB'	64 LT	CTH M	6	-	-	32	-
0010	371+22 'EB'	65.5 LT	CTH M	6	-	-	32	-
0010	377+41 'EB'	91 LT	CTH M	6	-	-	32	-
0010	379+02 'EB'	82 RT	WILLOW RD (EAST)	12	-	-	72	-
0010	380+71 'EB'	108 LT	CTH M	9	-	-	50	-
0010	10+95 'MA'	54.4 LT	MANSFIELD RD	7	-	-	41	-
0010	10+97 'ML'	55.9 RT	MARY LAKE RD	12	-	-	72	-
0010	13+55 'NSN'	35 RT	N SHORE BAY DR	12	-	-	72	-
0010	15+880 'NSN'	241.1 RT	N SHORE BAY DR	7	-	-	41	-
0010	12+68 'WL'	57 LT	WOODLAND DR	6	-	-	32	-
	SUBTOTAL			362	54	242	2065	

RIPRAP

CATEGORY	STATION	OFFSET	LOCATION	606.0200 RIPRAP MEDIUM CY	606.0300 RIPRAP HEAVY CY	645.0120 GEOTEXTILE TYPE HR SY	645.0130 GEOTEXTILE TYPE R SY	REMARKS
0010	13+96 'WL'	54 RT	WOODLAND DR	6	-	-	32	-
0010	16+74 'WL'	47 RT	WOODLAND DR	25	-	-	145	-
0010	18+20 'WL'	33 RT	WOODLAND DR	6	-	-	32	-
0010	357+48 'EB'	99 LT	CTH M	7	-	-	41	-
0010	339+19 'EB'	77.3 LT	CTH M	7	-	-	41	-
	SUBTOTAL			51	0	0	291	
	PROJECT TOTAL			413	54	242	2356	

EROSION CONTROL - STAGING

CATEGORY	STATION		628.6510 SOIL STABILIZER TYPE B AC	628.5505 POLYETHYLENE SHEETING SY	628.7560 TRACKING PADS EA	REMARKS
0010	272+00 'EB"	288+00 'EB'	2	-	-	STAGE 1
0010	301+00 'EB'	318+00 'EB'	0.5	-	-	STAGE 1
0010	322+00 'EB'	335+00 'EB'	0.75	-	-	STAGE 1
0010	12+00 'WL'	16+75 'WL'	0.25	-	-	STAGE 1
0010	280+75 'EB'	282+75 'EB'	-	1000	-	STAGE 1
0010	322+00 'EB'	335+00 'EB'	-	6000	-	STAGE 1
0010	12+00 'WL'	16+75 'WL'	-	1500	-	STAGE 1
0010	THROUGHOUT PROJECT SITE		-	-	15	STAGE 1
	PROJECT TOTAL		3.5	8500	15	

3

PAVEMENT MARKING

STATION		LOCATION	DESCRIPTION	646.1020 MARKING LINE EPOXY 4-INCH LF	646.6464 COLD WEATHER MARKING EPOXY 4-INCH LF	646.3020 MARKING LINE EPOXY 8-INCH LF	646.6468 COLD WEATHER MARKING EPOXY 8-INCH LF	REMARKS
71+87 'K'	76+39 'K'	CTH K	WEST OF SHILLING LN	1826	1826	-	-	YELLOW
387+72 'EB'	387+79 'EB'	BLUE BILL PARK DR	CENTERLINE	94	94	-	-	YELLOW
76+95 'K'	77+14 'K'	SHILLING LN	CENTERLINE	142	142	-	-	YELLOW
10+00 'NS'	15+91 'NS'	NORTH SHORE BAY DR	SOUTH EXTENTS CENTERLINE	1804	1804	-	-	YELLOW
19+02 'WL'	19+10 'WL'	WOODLAND DR	NORTH EXTENTS CENTERLINE	466	466	-	-	YELLOW
10+46 'ML'	12+23 'ML'	MARY LAKE RD	CENTERLINE	356	356	-	-	YELLOW
10+00 'KU'	11+52 'KU'	KUPFER RD	CENTERLINE	304	304	-	-	YELLOW
10+46 'WW'	12+01 'WW'	WILLOW RD (WEST)	CENTERLINE	310	310	-	-	YELLOW
10+95 'WE'	12+35 'WE'	WILLOW RD (EAST)	CENTERLINE	280	280	-	-	YELLOW
319+52 'EB'	319+57 'EB'	EB CTH M	BOARDWALK ENTRANCE	11	11	-	-	YELLOW
320+06 'EB'	320+14 'EB'	EB CTH M	BOARDWALK ENTRANCE	13	13	-	-	YELLOW
326+69 'EB'	326+71 'EB'	EB CTH M	BOARDWALK ENTRANCE	13	13	-	-	YELLOW
333+20 'EB'	333+28 'EB'	EB CTH M	BOARDWALK ENTRANCE	13	13	-	-	YELLOW
271+89 'EB'	305+35 'EB'	EB CTH M	MEDIAN BOUNDARY	3353	3353	-	-	YELLOW
271+89 'EB'	305+38 'EB'	WB CTH M	MEDIAN BOUNDARY	3383	3383	-	-	YELLOW
306+63 'EB'	319+87 'EB'	EB CTH M	MEDIAN BOUNDARY	1326	1326	-	-	YELLOW
306+63 'EB'	319+95 'EB'	WB CTH M	MEDIAN BOUNDARY	1335	1335	-	-	YELLOW
320+35 'EB'	326+60 'EB'	EB CTH M	MEDIAN BOUNDARY	627	627	-	-	YELLOW
320+34 'EB'	326+66 'EB'	WB CTH M	MEDIAN BOUNDARY	635	635	-	-	YELLOW
328+12 'EB'	354+07 'EB'	EB CTH M	MEDIAN BOUNDARY	2595	2595	-	-	YELLOW
328+12 'EB'	354+08 'EB'	WB CTH M	MEDIAN BOUNDARY	2596	2596	-	-	YELLOW
355+19 'EB'	377+65 'EB'	EB CTH M	MEDIAN BOUNDARY	2249	2249	-	-	YELLOW
355+21 'EB'	377+65 'EB'	WB CTH M	MEDIAN BOUNDARY	2247	2247	-	-	YELLOW
378+72 'EB'	387+02 'EB'	EB CTH M	MEDIAN BOUNDARY	830	830	-	-	YELLOW
378+72 'EB'	387+06 'EB'	WB CTH M	MEDIAN BOUNDARY	832	832	-	-	YELLOW
388+35 'EB'	405+11 'EB'	EB CTH M	MEDIAN BOUNDARY	1666	1666	-	-	YELLOW
388+35 'EB'	405+13 'EB'	WB CTH M	MEDIAN BOUNDARY	1676	1676	-	-	YELLOW
77+31 'K'	86+06 'K'	EB CTH K	MEDIAN BOUNDARY	880	880	-	-	YELLOW
77+31 'K'	86+12 'K'	WB CTH K	MEDIAN BOUNDARY	906	906	-	-	YELLOW
15+90 'NS'	17+47 'NS'	NORTH SHORE BAY DR	MEDIAN BOUNDARY	159	159	-	-	YELLOW
15+91 'NS'	17+38 'NS'	NORTH SHORE BAY DR	MEDIAN BOUNDARY	148	148	-	-	YELLOW
11+73 'WL'	17+90 'WL'	WOODLAND DR	MEDIAN BOUNDARY	616	616	-	-	YELLOW
11+73 'WL'	17+90 'WL'	WOODLAND DR	MEDIAN BOUNDARY	615	615	-	-	YELLOW
10+94 'KU'	11+51 'KU'	KUPFER RD	CENTERLINE	116	116	-	-	YELLOW
273+59 'EB'	274+74 'EB'	WB CTH M	ONCKEN ROAD INTERSECTION N APPROACH	-	-	29	29	-
301+09 'EB'	302+21 'EB'	EB CTH M	CTH K INTERSECTION W APPROACH	-	-	28	28	-
311+32 'EB'	312+85 'EB'	WB CTH M	CTH K INTERSECTION E APPROACH	-	-	39	39	-
330+88 'EB'	332+57 'EB'	WB CTH M	WOODLAND DR INTERSECTION E APPROACH	-	-	42	42	-
351+50 'EB'	352+74 'EB'	EB CTH M	MARY LAKE ROAD INTERSECTION W APPROACH	-	-	31	31	-
357+46 'EB'	359+01 'EB'	WB CTH M	MARY LAKE ROAD INTERSECTION E APPROACH	-	-	39	39	-
361+45 'EB'	362+82 'EB'	EB CTH M	WILLOW ROAD WEST INTERSECTION W APPROACH	-	-	34	34	-
374+27 'EB'	375+75 'EB'	EB CTH M	WILLOW ROAD EAST INTERSECTION W APPROACH	-	-	37	37	-
383+76 'EB'	384+89 'EB'	EB CTH M	BLUE BILL PARK DR INTERSECTION W APPROACH	-	-	29	29	-
389+94 'EB'	391+01 'EB'	WB CTH M	BLUE BILL PARK DR INTERSECTION E APPROACH	-	-	27	27	-
398+48 'EB'	400+13 'EB'	EB CTH M	STH 113 INTERSECTION W APPROACH	-	-	42	42	-
			SUBTOTAL	34422	34422	376	376	

PAVEMENT MARKING

CATEGORY	STATION		LOCATION	DESCRIPTION	646.1020 MARKING LINE EPOXY 4-INCH LF	646.6464 COLD WEATHER MARKING EPOXY 4-INCH LF	646.3020 MARKING LINE EPOXY 8-INCH LF	646.6468 COLD WEATHER MARKING EPOXY 8-INCH LF	REMARKS
0010	79+91 'K'	83+70 'K'	CTH K	NB ACCELERATION LANE	-	-	30	30	-
0010	80+28 'K'	83+93 'K'	CTH K	LTL APPROACH	-	-	91	91	-
0010	84+44 'K'	85+47 'K'	CTH K	CTH M INTERSECTION N APPROACH	-	-	29	29	-
0010	15+25 'WL'	16+35 'WL'	WOODLAND DR	CTH M INTERSECTION N APPROACH	-	-	28	28	-
0010	305+81 'EB'	306+78 'EB'	CTH M/CTH K	CTH K INTERSECTION TURN STRIPING	-	-	37	37	-
0010	327+20 'EB'	328+04 'EB'	CTH M/WOODLAND DR	WOODLAND DR INTERSECTION TURN STRIPING	-	-	36	36	-
0010	273+58 'EB'	275+36 'EB'	WB CTH M	ONCKEN ROAD INTERSECTION N APPROACH	45	45	-	-	-
0010	300+74 'EB'	302+21 'EB'	EB CTH M	CTH K INTERSECTION W APPROACH	36	36	-	-	-
0010	311+31 'EB'	313+32 'EB'	WB CTH M	CTH K INTERSECTION E APPROACH	50	50	-	-	-
0010	330+87 'EB'	332+90 'EB'	WB CTH M	WOODLAND DR INTERSECTION E APPROACH	50	50	-	-	-
0010	351+37 'EB'	352+74 'EB'	EB CTH M	MARY LAKE ROAD INTERSECTION W APPROACH	35	35	-	-	-
0010	357+46 'EB'	359+71 'EB'	WB CTH M	MARY LAKE ROAD INTERSECTION E APPROACH	57	57	-	-	-
0010	360+82 'EB'	362+82 'EB'	EB CTH M	WILLOW ROAD WEST INTERSECTION W APPROACH	50	50	-	-	-
0010	373+60 'EB'	375+75 'EB'	EB CTH M	WILLOW ROAD EAST INTERSECTION W APPROACH	54	54	-	-	-
0010	383+76 'EB'	384+89 'EB'	EB CTH M	BLUE BILL PARK DR INTERSECTION W APPROACH	29	29	-	-	-
0010	389+94 'EB'	391+02 'EB'	WB CTH M	BLUE BILL PARK DR INTERSECTION E APPROACH	27	27	-	-	-
0010	398+48 'EB'	400+13 'EB'	EB CTH M	STH 113 INTERSECTION W APPROACH	42	42	-	-	-
0010	84+44 'K'	85+57 'K'	CTH K	CTH M INTERSECTION N APPROACH	28	28	-	-	-
0010	271+86 'EB'	305+36 'EB'	CTH M	ONCKEN ROAD TO CTH K EB	835	835	-	-	-
0010	280+98 'EB'	305+39 'EB'	CTH M	ONCKEN ROAD TO CTH K WB	621	621	-	-	-
0010	306+78 'EB'	326+60 'EB'	CTH M	CTH K TO WOODLAND DR EB	496	496	-	-	-
0010	306+62 'EB'	326+67 'EB'	CTH M	CTH K TO WOODLAND DR WB	503	503	-	-	-
0010	328+04 'EB'	354+12 'EB'	CTH M	WOODLAND DR TO MARY LAKE ROAD EB	651	651	-	-	-
0010	328+09 'EB'	354+12 'EB'	CTH M	WOODLAND DR TO MARY LAKE ROAD WB	651	651	-	-	-
0010	355+09 'EB'	377+67 'EB'	CTH M	MARY LAKE ROAD TO WILLOW ROAD EAST EB	565	565	-	-	-
0010	355+09 'EB'	387+06 'EB'	CTH M	MARY LAKE ROAD TO BLUE BILL PARK DR WB	798	798	-	-	-
0010	379+00 'EB'	387+02 'EB'	CTH M	WILLOW ROAD EAST TO BLUE BILL PARK DR EB	201	201	-	-	-
0010	388+40 'EB'	400+60 'EB'	CTH M	BLUE BILL PARK DR TO RAILROAD EB	305	305	-	-	-
0010	388+35 'EB'	400+29 'EB'	CTH M	BLUE BILL PARK DR TO RAILROAD WB	301	301	-	-	-
0010	400+71 'EB'	405+11 'EB'	CTH M	RAILROAD TO STH 113 EB	110	110	-	-	-
0010	400+40 'EB'	404+92 'EB'	CTH M	RAILROAD TO STH 113 WB	113	113	-	-	-
0010	12+49 'WL'	19+10 'WL'	WOODLAND DR	NB OUTER BOUNDARY	663	663	-	-	-
0010	16+35 'WL'	19+10 'WL'	WOODLAND DR	SB OUTER BOUNDARY	276	276	-	-	-
0010	10+51 'NS'	17+21 'NS'	NORTH SHORE BAY DR	NB OUTER BOUNDARY	677	677	-	-	-
0010	10+50 'NS'	17+36 'NS'	NORTH SHORE BAY DR	SB OUTER BOUNDARY	682	682	-	-	-
0010	71+87 'K'	85+73 'K'	CTH K	NB OUTER BOUNDARY	1425	1425	-	-	-
0010	71+88 'K'	76+47 'K'	CTH K	SB OUTER BOUNDARY TO SHILLING LN	460	460	-	-	-
0010	77+35 'K'	84+44 'K'	CTH K	SB OUTER BOUNDARY SHILLING LN TO CTH M	619	619	-	-	-
0010	85+57 'K'	85+98 'K'	CTH K	SB AT INTERSECTION	42	42	-	-	-
0010	271+93 'EB'	305+25 'EB'	EB CTH M	ONCKEN ROAD TO CTH K EB	3483	3483	-	-	-
0010	272+07 'EB'	304+67 'EB'	WB CTH M	ONCKEN ROAD TO CTH K WB	3612	3612	-	-	-
0010	307+21 'EB'	319+19 'EB'	EB CTH M	CTH K TO MANSFIELD ROAD EB	1200	1200	-	-	-
0010	320+40 'EB'	326+60 'EB'	EB CTH M	MANSFIELD ROAD TO WOODLAND DR EB	620	620	-	-	-
0010	307+60 'EB'	326+55 'EB'	WB CTH M	CTH K TO WOODLAND DR WB	2373	2373	-	-	-
0010	323+10 'EB'	326+60 'EB'	EB CTH M	WOODLAND DR INTERSECTION W APPROACH	-	-	351	351	-
0010	326+75 'EB'	351+37 'EB'	EB CTH M	WOODLAND DR TO MARY LAKE ROAD EB	2567	2567	-	-	-
				SUBTOTAL	25348	25348	601	601	

PAVEMENT MARKING

CATEGORY	STATION		LOCATION	DESCRIPTION	646.1020 MARKING LINE EPOXY 4-INCH LF	646.6464 COLD WEATHER MARKING EPOXY 4-INCH LF	646.3020 MARKING LINE EPOXY 8-INCH LF	646.6468 COLD WEATHER MARKING EPOXY 8-INCH LF	REMARKS
0010	328+40 'EB'	354+04 'EB'	WB CTH M	WOODLAND DR TO MARY LAKE ROAD WB	2567	2567	-	-	-
0010	355+00 'EB'	364+83 'EB'	EB CTH M	MARY LAKE ROAD TO WILLOW ROAD WEST EB	1185	1185	-	-	-
0010	366+01 'EB'	377+60 'EB'	EB CTH M	WILLOW ROAD WEST TO WILLOW ROAD EAST EB	1353	1353	-	-	-
0010	379+00 'EB'	383+76 'EB'	EB CTH M	WILLOW ROAD EAST TO BLUE BILL PARK DR EB	692	692	-	-	-
0010	355+47 'EB'	387+06 'EB'	WB CTH M	MARY LAKE ROAD TO BLUE BILL PARK DR WB	3151	3151	-	-	-
0010	388+40 'EB'	404+44 'EB'	EB CTH M	BLUE BILL PARK DR TO STH 113	1439	1439	-	-	-
0010	391+02 'EB'	404+44 'EB'	WB CTH M	BLUE BILL PARK DR TO STH 113 WB	1499	1499	-	-	-
0010	403+66 'EB'	404+14 'EB'	CTH M/STH 113	STH 113 FREE RIGHT	54	54	-	-	-
0010	404+22 'EB'	404+85 'EB'	CTH M/STH 113	STH 113 FREE RIGHT	116	116	-	-	-
0010	11+48 'WE'	12+34 'WE'	WILLOW RD (EAST)	CTH M INTERSECTION S APPROACH	-	-	90	90	-
0010	10+47 'ML'	11+45 'ML'	MARY LAKE RD	CTH M INTERSECTION N APPROACH	-	-	100	100	-
0010	11+73 'WL'	15+64 'WL'	WOODLAND DR	CTH M INTERSECTION N APPROACH	-	-	391	391	-
0010	11+73 'WL'	15+25 'WL'	WOODLAND DR	CTH M INTERSECTION N APPROACH	-	-	354	354	-
0010	16+03 'NS'	17+37 'NS'	NORTH SHORE BAY DR	CTH M INTERSECTION S APPROACH	-	-	134	134	-
0010	77+28 'K'	77+69 'K'	SHILLING LN	SHILLING LN INTERSECTION E APPROACH	-	-	41	41	-
0010	83+93 'K'	86+03 'K'	CTH K	CTH M INTERSECTION N APPROACH	-	-	210	210	-
0010	83+93 'K'	86+01 'K'	CTH K	CTH M INTERSECTION N APPROACH	-	-	208	208	-
0010	85+47 'K'	85+67 'K'	CTH K/CTH M	CTH K FREE RIGHT TO WB CTH M	-	-	21	21	-
0010	85+57 'K'	85+68 'K'	CTH K	CTH M INTERSECTION N APPROACH	-	-	11	11	-
0010	83+70 'K'	86+19 'K'	CTH K/CTH M	CTH M FREE RIGHT TO NB CTH K	-	-	254	254	-
0010	85+27 'K'	85+81 'K'	CTH K	CTH M INTERSECTION N APPROACH	-	-	56	56	-
0010	271+89 'EB'	273+59 'EB'	WB CTH M	ONCKEN ROAD INTERSECTION N APPROACH	-	-	169	169	-
0010	271+89 'EB'	274+91 'EB'	WB CTH M	ONCKEN ROAD INTERSECTION N APPROACH	-	-	609	609	-
0010	302+21 'EB'	305+36 'EB'	EB CTH M	CTH K INTERSECTION W APPROACH	-	-	554	554	-
0010	302+59 'EB'	305+35 'EB'	EB CTH M	CTH K INTERSECTION W APPROACH	-	-	308	308	-
0010	306+62 'EB'	309+70 'EB'	WB CTH M	CTH K INTERSECTION E APPROACH	-	-	621	621	-
0010	307+10 'EB'	307+96 'EB'	WB CTH M	CTH K INTERSECTION E APPROACH	-	-	89	89	-
0010	307+10 'EB'	311+32 'EB'	WB CTH M	CTH K INTERSECTION E APPROACH	-	-	425	425	-
0010	320+31 'EB'	320+78 'EB'	WB CTH M	MANSFIELD ROAD INTERSECTION E APPROACH	-	-	48	48	-
0010	328+12 'EB'	330+88 'EB'	WB CTH M	WOODLAND DR INTERSECTION E APPROACH	-	-	277	277	-
0010	351+57 'EB'	354+12 'EB'	EB CTH M	MARY LAKE ROAD INTERSECTION W APPROACH	-	-	518	518	-
0010	352+74 'EB'	353+79 'EB'	EB CTH M	MARY LAKE ROAD INTERSECTION W APPROACH	-	-	106	106	-
0010	355+11 'EB'	357+12 'EB'	WB CTH M	MARY LAKE ROAD INTERSECTION E APPROACH	-	-	410	410	-
0010	355+47 'EB'	357+46 'EB'	WB CTH M	MARY LAKE ROAD INTERSECTION E APPROACH	-	-	200	200	-
0010	362+82 'EB'	364+82 'EB'	EB CTH M	WILLOW ROAD WEST INTERSECTION W APPROACH	-	-	201	201	-
0010	375+75 'EB'	377+67 'EB'	EB CTH M	WILLOW ROAD EAST INTERSECTION W APPROACH	-	-	307	307	-
0010	376+16 'EB'	377+66 'EB'	EB CTH M	WILLOW ROAD EAST INTERSECTION W APPROACH	-	-	193	193	-
0010	378+69 'EB'	380+69 'EB'	WB CTH M	WILLOW ROAD EAST INTERSECTION E APPROACH	-	-	407	407	-
0010	384+89 'EB'	387+02 'EB'	EB CTH M	BLUE BILL PARK DR INTERSECTION W APPROACH	-	-	215	215	-
0010	385+70 'EB'	387+02 'EB'	EB CTH M	BLUE BILL PARK DR INTERSECTION W APPROACH	-	-	133	133	-
0010	387+83 'EB'	387+88 'EB'	BLUE BILL PARK DR	BLUE BILL PARK DR INTERSECTION S APPROACH	-	-	39	39	-
0010	388+35 'EB'	389+78 'EB'	WB CTH M	BLUE BILL PARK DR INTERSECTION E APPROACH	-	-	144	144	-
0010	388+36 'EB'	389+94 'EB'	WB CTH M	BLUE BILL PARK DR INTERSECTION E APPROACH	-	-	158	158	-
0010	400+13 'EB'	400+67 'EB'	EB CTH M	STH 113 W APPROACH BEFORE RAILROAD	-	-	54	54	-
0010	400+78 'EB'	404+27 'EB'	EB CTH M	STH 113 W APPROACH AFTER RAILROAD	-	-	358	358	-
0010	404+34 'EB'	405+12 'EB'	CTH M/STH 113	CTH M EB TO STH 113 APPROACH	-	-	159	159	-
0010	404+34 'EB'	405+05 'EB'	CTH M/STH 113	CTH M EB TO STH 113 FREE RIGHT	-	-	132	132	-
				SUBTOTAL	12056	12056	8704	8704	
				PROJECT TOTAL	71826	71826	9680	9681	

PAVEMENT MARKINGS

CATEGORY	STATION	LOCATION	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.5320 MARKING RAILROAD CROSSING EPOXY EACH	646.5220 MARKING SYMBOL EPOXY EACH	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH	REMARKS
0010	272+13 'EB'	WB CTH M	1	-	-	-	-	-	TYPE 2 (RT)
0010	272+13 'EB'	WB CTH M	1	-	-	-	-	-	TYPE 2 (LT)
0010	272+53 'EB'	WB CTH M	-	1	-	-	-	-	"ONLY"
0010	272+53 'EB'	WB CTH M	-	1	-	-	-	-	"ONLY"
0010	273+32 'EB'	WB CTH M	1	-	-	-	-	-	TYPE 2 (RT)
0010	274+21 'EB'	WB CTH M	1	-	-	-	-	-	TYPE 2 (LT)
0010	281+08 'EB'	WB CTH M	1	-	-	-	-	-	TYPE 5 LANE DROP
0010	302+46 'EB'	EB CTH M	1	-	-	-	-	-	TYPE 2 (RT)
0010	303+43 'EB'	EB CTH M	1	-	-	-	-	-	TYPE 2 (LT)
0010	304+70 'EB'	EB CTH M	-	1	-	-	-	-	"ONLY"
0010	304+73 'EB'	EB CTH M	-	1	-	-	-	-	"ONLY"
0010	305+13 'EB'	EB CTH M	1	-	-	-	-	-	TYPE 2 (RT)
0010	305+13 'EB'	EB CTH M	1	-	-	-	-	-	TYPE 2 (LT)
0010	306+85 'EB'	WB CTH M	1	-	-	-	-	-	TYPE 2 (LT)
0010	307+82 'EB'	WB CTH M	1	-	-	-	-	-	TYPE 2 (RT)
0010	307+26 'EB'	WB CTH M	-	1	-	-	-	-	"ONLY"
0010	308+24 'EB'	WB CTH M	-	1	-	-	-	-	"ONLY"
0010	308+39 'EB'	WB CTH M	1	-	-	-	-	-	TYPE 2 (LT)
0010	311+07 'EB'	WB CTH M	1	-	-	-	-	-	TYPE 2 (RT)
0010	323+33 'EB'	EB CTH M	1	-	-	-	-	-	TYPE 2 (LT)
0010	325+97 'EB'	EB CTH M		1	-	-	-	-	"ONLY"
0010	326+37 'EB'	EB CTH M	1	-	-	-	-	-	TYPE 2 (LT)
0010	328+39 'EB'	WB CTH M	1	-	-	-	-	-	TYPE 2 (RT)
0010	328+86 'EB'	WB CTH M	-	1	-	-	-	-	"ONLY"
0010	330+62 'EB'	WB CTH M	1	-	-	-	-	-	TYPE 2 (RT)
0010	352+33 'EB'	EB CTH M	1	-	-	-	-	-	TYPE 2 (LT)
0010	352+98 'EB'	EB CTH M	1	-	-	-	-	-	TYPE 2 (RT)
0010	353+49 'EB'	EB CTH M	-	1	-	-	-	-	"ONLY"
0010	353+56 'EB'	EB CTH M	1	-	-	-	-	-	TYPE 2 (RT)
0010	353+89 'EB'	EB CTH M	1	-	-	-	-	-	TYPE 2 (LT)
0010	355+34 'EB'	WB CTH M	1	-	-	-	-	-	TYPE 2 (LT)
0010	355+69 'EB'	WB CTH M	1	-	-	-	-	-	TYPE 2 (RT)
0010	356+11 'EB'	WB CTH M	-	1	-	-	-	-	"ONLY"
0010	356+40 'EB'	WB CTH M	1	-	-	-	-	-	TYPE 2 (LT)
0010	357+21 'EB'	WB CTH M	1	-	-	-	-	-	TYPE 2 (RT)
0010	363+07 'EB'	EB CTH M	1	-	-	-	-	-	TYPE 2 (RT)
0010	364+18 'EB'	EB CTH M	-	1	-	-	-	-	"ONLY"
0010	364+60 'EB'	EB CTH M	1	-	-	-	-	-	TYPE 2 (RT)
0010	376+00 'EB'	EB CTH M	1	-	-	-	-	-	TYPE 2 (RT)
0010	376+95 'EB'	EB CTH M	-	1	-	-	-	-	"ONLY"
0010	377+37 'EB'	EB CTH M	1	-	-	-	-	-	TYPE 2 (RT)
0010	377+48 'EB'	EB CTH M	1	-	-	-	-	-	TYPE 2 (LT)
0010	378+94 'EB'	WB CTH M	1	-	-	-	-	-	TYPE 2 (LT)
0010	380+00 'EB'	WB CTH M	1	-	-	-	-	-	TYPE 2 (LT)
0010	385+12 'EB'	EB CTH M	1	-	-	-	-	-	TYPE 2 (RT)
	SUBTOTAL		33	12	0	0	0	0	

PAVEMENT MARKINGS

CATEGORY	STATION	LOCATION	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.5320 MARKING RAILROAD CROSSING EPOXY EACH	646.5220 MARKING SYMBOL EPOXY EACH	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH	REMARKS
0010	385+94 'EB'	EB CTH M	1	-	-	-	-	-	TYPE 2 (LT)
0010	386+37 'EB'	EB CTH M	-	1	-	-	-	-	"ONLY"
0010	386+78 'EB'	EB CTH M	1	-	-	-	-	-	TYPE 2 (RT)
0010	386+81 'EB'	EB CTH M	1	-	-	-	-	-	TYPE 2 (LT)
0010	388+58 'EB'	WB CTH M	1	-	-	-	-	-	TYPE 2 (LT)
0010	388+59 'EB'	WB CTH M	1	-	-	-	-	-	TYPE 2 (RT)
0010	389+53 'EB'	WB CTH M	1	-	-	-	-	-	TYPE 2 (LT)
0010	389+68 'EB'	WB CTH M	1	-	-	-	-	-	TYPE 2 (RT)
0010	397+14 'EB'	EB CTH M	-	-	1	-	-	-	-
0010	403+87 'EB'	WB CTH M	-	-	1	-	-	-	-
0010	400+38 'EB'	EB CTH M	1	-	-	-	-	-	TYPE 2 (RT)
0010	402+10 'EB'	EB CTH M	-	1	-	-	-	-	"ONLY"
0010	402+50 'EB'	EB CTH M	1	-	-	-	-	-	TYPE 2 (RT)
0010	84+19 'K'	SB CTH K	1	-	-	-	-	-	TYPE 1
0010	84+19 'K'	SB CTH K	2	-	-	-	-	-	TYPE 2 (LT)
0010	85+51 'K'	SB CTH K	-	3	-	-	-	-	"ONLY"
0010	85+90 'K'	SB CTH K	1	-	-	-	-	-	TYPE 1
0010	85+90 'K'	SB CTH K	2	-	-	-	-	-	TYPE 2 (LT)
0010	85+77 'K'	SB CTH K	1	-	-	-	-	-	TYPE 2 (RT)
0010	17+11 'NS'	NORTH SHORE BAY DR	1	-	-	-	-	-	TYPE 3 (LT)
0010	17+11 'NS'	NORTH SHORE BAY DR	1	-	-	-	-	-	TYPE 2 (RT)
0010	387+90 'EB'	BLUE BILL PARK DR	1	-	-	-	-	-	TYPE 2 (RT)
0010	12+17 'WE'	WILLOW RD (EAST)	1	-	-	-	-	-	TYPE 2 (RT)
0010	10+65 'WW'	WILLOW RD (WEST)	1	-	-	-	-	-	TYPE 2 (RT)
0010	10+69 'ML'	MARY LAKE RD	1	-	-	-	-	-	TYPE 2 (LT)
0010	11+20 'ML'	MARY LAKE RD	1	-	-	-	-	-	TYPE 2 (LT)
0010	11+95 'WL'	WOODLAND DR	1	-	-	-	-	-	TYPE 2 (RT)
0010	11+95 'WL'	WOODLAND DR	2	-	-	-	-	-	TYPE 2 (LT)
0010	12+40 'WL'	WOODLAND DR	-	1	-	-	-	-	"ONLY"
0010	12+40 'WL'	WOODLAND DR	-	2	-	-	-	-	"ONLY"
0010	14+99 'WL'	WOODLAND DR	1		-	-	-		TYPE 2 (RT)
0010	11+20 'ML'	MARY LAKE RD	1	-	-	-	-		TYPE 2 (LT)
0010	11+95 'WL'	WOODLAND DR	1	-	-	-	-		TYPE 2 (LT)
0010	17+68 'NS'	NN SHORE BAY DR - MEDIAN	-	-	-	-	38	1	YELLOW
0010	11+65 'WL'	WOODLAND DR - MEDIAN	-	-	-	-	22	1	YELLOW
0010	17+91 'WL'	WOODLAND DR - MEDIAN	-	-	-	-	22	1	YELLOW
0010	271+84 'EB'	CTH M MEDIAN	-	-	-	-	23	1	YELLOW
0010	305+50 'EB'	CTH M MEDIAN	-	-	-	-	35	1	YELLOW
0010	403+73 'EB'	CTH M ISLAND	-	-	-	-	16	1	YELLOW
0010	306+55 'EB'	CTH M MEDIAN	-	-	-	-	35	1	YELLOW
0010	86+28 'K'	CTH K MEDIAN	-	-	-	-	24	1	YELLOW
0010	77+26 'K'	CTH K MEDIAN	-	-	-	-	24	1	YELLOW
0010	85+83 'K'	CTH K ISLAND	-	-	-	-	15	1	YELLOW
0010	85+68 'K'	CTH K ISLAND	-	-	-	-	22	1	YELLOW
0010	86+13 'K'	CTH K ISLAND	-	-	-	-	13	-	YELLOW
	SUBTOTAL		29	8	2	0	289	11	

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PAVEMENT MARKINGS

CATEGORY	STATION	LOCATION	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.5320 MARKING RAILROAD CROSSING EPOXY EACH	646.5220 MARKING SYMBOL EPOXY EACH	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH	REMARKS
0010	86+18 'K'	CTH K ISLAND	-	-	-	-	12	-	YELLOW
0010	86+40 'K'	CTH K ISLAND	-	-	-	-	12	-	YELLOW
0010	307+10 'EB'	CTH K ISLAND	-	-	-	-	21	1	YELLOW
0010	15+87 'NSN'N SHORE BAY DR MEDIAN		-	-	-	-	23	-	YELLOW
0010	320+01 'EB'	CTH M MEDIAN	-	-	-	-	36	1	YELLOW
0010	320+29 'EB'	CTH M MEDIAN	-	-	-	-	22	1	YELLOW
0010	326+83 'EB'	CTH M MEDIAN	-	-	-	-	24	1	YELLOW
0010	328+00 'EB'	CTH M MEDIAN	-	-	-	-	51	-	YELLOW
0010	354+12 'EB'	CTH M MEDIAN	-	-	-	-	22	1	YELLOW
0010	355+15 'EB'	CTH M MEDIAN	-	-	-	-	22	1	YELLOW
0010	377+69 'EB'	CTH M MEDIAN	-	-	-	-	23	1	YELLOW
0010	378+67 'EB'	CTH M MEDIAN	-	-	-	-	22	1	YELLOW
0010	387+24 'EB'	CTH M MEDIAN	-	-	-	-	17	1	YELLOW
0010	388+16 'EB'	CTH M MEDIAN	-	-	-	-	18	1	YELLOW
0010	405+21 'EB'	CTH M MEDIAN	-	-	-	-	37	1	YELLOW
0010	272+14 'EB'	WB CTH M	-	-	-	1	-	-	BIKE SYMBOL
0010	273+34 'EB'	WB CTH M	-	-	-	1	-	-	BIKE SYMBOL
0010	302+42 'EB'	EB CTH M	-	-	-	1	-	-	BIKE SYMBOL
0010	305+10 'EB'	EB CTH M	-	-	-	1	-	-	BIKE SYMBOL
0010	307+84 'EB'	WB CTH M	-	-	-	1	-	-	BIKE SYMBOL
0010	311+09 'EB'	WB CTH M	-	-	-	1	-	-	BIKE SYMBOL
0010	328+41 'EB'	WB CTH M	-	-	-	1	-	-	BIKE SYMBOL
0010	330+65 'EB'	WB CTH M	-	-	-	1	-	-	BIKE SYMBOL
0010	352+96 'EB'	EB CTH M	-	-	-	1	-	-	BIKE SYMBOL
0010	353+55 'EB'	EB CTH M	-	-	-	1	-	-	BIKE SYMBOL
0010	355+71 'EB'	WB CTH M	-	-	-	1	-	-	BIKE SYMBOL
0010	357+24 'EB'	WB CTH M	-	-	-	1	-	-	BIKE SYMBOL
0010	363+06 'EB'	EB CTH M	-	-	-	1	-	-	BIKE SYMBOL
0010	364+57 'EB'	EB CTH M	-	-	-	1	-	-	BIKE SYMBOL
0010	375+98 'EB'	EB CTH M	-	-	-	1	-	-	BIKE SYMBOL
0010	377+34 'EB'	EB CTH M	-	-	-	1	-	-	BIKE SYMBOL
0010	385+11 'EB'	EB CTH M	-	-	-	1	-	-	BIKE SYMBOL
0010	386+77 'EB'	EB CTH M	-	-	-	1	-	-	BIKE SYMBOL
0010	388+61 'EB'	WB CTH M	-	-	-	1	-	-	BIKE SYMBOL
0010	389+71 'EB'	WB CTH M	-	-	-	1	-	-	BIKE SYMBOL
0010	400+37 'EB'	EB CTH M	-	-	-	1	-	-	BIKE SYMBOL
0010	402+48 'EB'	EB CTH M	-	-	-	1	-	-	BIKE SYMBOL
0010	85+87 'K'	SB CTH K	-	-	-	1	-	-	BIKE SYMBOL
	SUBTOTAL		0	0	0	23	511	17	
	PROJECT TOTAL		62	20	2	23	651	22	

PAVEMENT MARKING

CATEGORY	STATION	LOCATION	DESCRIPTION	633.0200 DELINEATORS FLEXIBLE EACH	REMARKS
0010	319+54 'EB'	EB CTH M	BOARDWALK ENTRANCE	1	-
0010	320+12 'EB'	EB CTH M	BOARDWALK ENTRANCE	1	-
0010	326+70 'EB'	EB CTH M	BOARDWALK ENTRANCE	1	-
0010	333+22 'EB'	EB CTH M	BOARDWALK ENTRANCE	1	-
	PROJECT TOTAL			4	

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PAVEMENT MARKING

CATEGORY	STATION		LOCATION	DESCRIPTION	646.6120 MARKING STOP LINE EPOXY 18-INCH WHITE LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	REMARKS
0010	271+17 'EB'	271+31 'EB'	ONCKEN RD/CTH M	ONCKEN ROAD INTERSECTION W APPROACH	14	-	-	-
0010	271+37 'EB'	271+59 'EB'	ONCKEN RD/CTH M	ONCKEN ROAD INTERSECTION E APPROACH	22	-	-	-
0010	305+35 'EB'	305+37 'EB'	EB CTH M	CTH K INTERSECTION W APPROACH	58	-	-	-
0010	306+62 'EB'	306+63 'EB'	WB CTH M	CTH K INTERSECTION E APPROACH	45	-	-	-
0010	326+49 'EB'	326+60 'EB'	EB CTH M	WOODLAND DR INTERSECTION W APPROACH	33	-	-	-
0010	328+08 'EB'	328+18 'EB'	WB CTH M	WOODLAND DR INTERSECTION E APPROACH	44	-	-	-
0010	387+02 'EB'	387+03 'EB'	EB CTH M	BLUE BILL PARK DR INTERSECTION W APPROACH	50	-	-	-
0010	387+52 'EB'	387+72 'EB'	BLUE BILL PARK DR/CTH M	BLUE BILL PARK DR INTERSECTION N APPROACH	20	-	-	-
0010	387+72 'EB'	387+95 'EB'	BLUE BILL PARK DR/CTH M	BLUE BILL PARK DR INTERSECTION S APPROACH	23	-	-	-
0010	388+35 'EB'	388+36 'EB'	WB CTH M	BLUE BILL PARK DR INTERSECTION E APPROACH	47	-	-	-
0010	405+11 'EB'	405+12 'EB'	EB CTH M	STH 113 INTERSECTION W APPROACH	27	-	-	-
0010	76+95 'K'	77+21 'K'	SHILLING LN/CTH K	SHILLING LN INTERSECTION S APPROACH	26	-	-	-
0010	85+98 'K'	86+06 'K'	CTH K/CTH M	CTH M INTERSECTION N APPROACH	40	-	-	-
0010	17+34 'NS'	17+38 'NS'	N SHORE BAY DR/CTH M	CTH M INTERSECTION S APPROACH	30	-	-	-
0010	11+73 'WL'	11+80 'WL'	WOODLAND DR/CTH M	CTH M INTERSECTION N APPROACH	41	-	-	-
0010	10+46 'ML'	10+48 'ML'	MARY LAKE RD/CTH M	CTH M INTERSECTION N APPROACH	34	-	-	-
0010	11+52 'KU'	11+56 'KU'	KUPFER RD/CTH M	CTH M INTERSECTION S APPROACH	17	-	-	-
0010	10+46 'WW'	10+57 'WW'	WILLOW RD (WEST)/CTH M	CTH M INTERSECTION S APPROACH	41	-	-	-
0010	12+34 'WE'	12+34 'WE'	WILLOW RD (EAST)/CTH M	CTH M INTERSECTION S APPROACH	38	-	-	-
0010	271+89 'EB'	274+90 'EB'	WB CTH M	ONCKEN ROAD INTERSECTION N APPROACH	-	103	-	-
0010	302+59 'EB'	305+35 'EB'	EB CTH M	CTH K INTERSECTION W APPROACH	-	107	-	-
0010	306+62 'EB'	309+70 'EB'	WB CTH M	CTH K INTERSECTION E APPROACH	-	137	-	-
0010	351+57 'EB'	354+12 'EB'	EB CTH M	MARY LAKE ROAD INTERSECTION W APPROACH	-	76	-	-
0010	355+11 'EB'	357+12 'EB'	WB CTH M	MARY LAKE ROAD INTERSECTION E APPROACH	-	58	-	-
0010	376+16 'EB'	377+66 'EB'	EB CTH M	WILLOW ROAD EAST INTERSECTION W APPROACH	-	36	-	-
0010	378+69 'EB'	380+69 'EB'	WB CTH M	WILLOW ROAD EAST INTERSECTION E APPROACH	-	58	-	-
0010	17+90 'WL'	19+02 'WL'	WOODLAND DR	MEDIAN CROSS HATCH	-	15	-	YELLOW
0010	12+79 'NS'	15+90 'NS'	NORTH SHORE BAY DR	MEDIAN CROSS HATCH	-	150	-	YELLOW
0010	71+87 'K'	76+39 'K'	CTH K	WEST OF SHILLING LN MEDIAN CROSS HATCH	-	261	-	YELLOW
0010	305+39 'EB'	305+41 'EB'	CTH M/CTH K	CTH K INTERSECTION EB SIDE	-	-	58	-
0010	305+45 'EB'	305+47 'EB'	CTH M/CTH K	CTH K INTERSECTION EB SIDE	-	-	60	-
0010	305+38 'EB'	305+38 'EB'	CTH M/CTH K	CTH K INTERSECTION WB SIDE	-	-	27	-
0010	305+43 'EB'	305+44 'EB'	CTH M/CTH K	CTH K INTERSECTION WB SIDE	-	-	27	-
0010	326+65 'EB'	326+65 'EB'	CTH M/WOODLAND DR	WOODLAND DR INTERSECTION EB SIDE	-	-	39	-
0010	326+75 'EB'	326+75 'EB'	CTH M/WOODLAND DR	WOODLAND DR INTERSECTION EB SIDE	-	-	39	-
0010	326+66 'EB'	326+71 'EB'	CTH M/WOODLAND DR	WOODLAND DR INTERSECTION WB SIDE	-	-	42	-
0010	326+76 'EB'	326+82 'EB'	CTH M/WOODLAND DR	WOODLAND DR INTERSECTION WB SIDE	-	-	48	-
0010	387+07 'EB'	387+08 'EB'	CTH M/BLUE BILL PARK DR	BLUE BILL PARK DR INTERSECTION EB SIDE	-	-	51	-
0010	387+13 'EB'	387+14 'EB'	CTH M/BLUE BILL PARK DR	BLUE BILL PARK DR INTERSECTION EB SIDE	-	-	54	-
0010	387+06 'EB'	387+06 'EB'	CTH M/BLUE BILL PARK DR	BLUE BILL PARK DR INTERSECTION WB SIDE	-	-	32	-
0010	387+12 'EB'	387+12 'EB'	CTH M/BLUE BILL PARK DR	BLUE BILL PARK DR INTERSECTION WB SIDE	-	-	35	-
0010	387+29 'EB'	387+99 'EB'	CTH M/BLUE BILL PARK DR	BLUE BILL PARK DR INTERSECTION SOUTH SIDE	-	-	70	-
0010	387+35 'EB'	387+96 'EB'	CTH M/BLUE BILL PARK DR	BLUE BILL PARK DR INTERSECTION SOUTH SIDE	-	-	61	-
0010	387+50 'EB'	387+96 'EB'	CTH M/BLUE BILL PARK DR	BLUE BILL PARK DR INTERSECTION NORTH SIDE	-	-	47	-
0010	387+51 'EB'	387+94 'EB'	CTH M/BLUE BILL PARK DR	BLUE BILL PARK DR INTERSECTION NORTH SIDE	-	-	44	-
				SUBTOTAL	650	1001	734	

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PAVEMENT MARKING

CATEGORY	STATION		LOCATION	DESCRIPTION	646.6120 MARKING STOP LINE EPOXY 18-INCH WHITE LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	REMARKS
0010	404+12 'EB'	404+27 'EB'	CTH M/STH 113	STH 113 INTERSECTION FREE RIGHT	-	-	24	-
0010	404+19 'EB'	404+34 'EB'	CTH M/STH 113	STH 113 INTERSECTION FREE RIGHT	-	-	24	-
0010	85+74 'K'	85+93 'K'	CTH M/CTH K	CTH M INTERSECTION SB FREE RIGHT	-	-	25	-
0010	85+79 'K'	85+98 'K'	CTH M/CTH K	CTH M INTERSECTION SB FREE RIGHT	-	-	26	-
0010	86+02 'K'	86+10 'K'	CTH M/CTH K	CTH M INTERSECTION SB SIDE	-	-	40	-
0010	86+08 'K'	86+16 'K'	CTH M/CTH K	CTH M INTERSECTION SB SIDE	-	-	41	-
0010	86+14 'K'	86+20 'K'	CTH M/CTH K	CTH M INTERSECTION NB SIDE	-	-	27	-
0010	86+20 'K'	86+26 'K'	CTH M/CTH K	CTH M INTERSECTION NB SIDE	-	-	30	-
0010	86+03 'K'	86+18 'K'	CTH M/CTH K	CTH M INTERSECTION NB FREE RIGHT	-	-	23	-
0010	86+08 'K'	86+22 'K'	CTH M/CTH K	CTH M INTERSECTION NB FREE RIGHT	-	-	23	-
0010	17+47 'NS'	17+50 'NS'	CTH M/N SHORE BAY DR	CTH M INTERSECTION SB SIDE	-	-	19	-
0010	17+58 'NS'	17+61 'NS'	CTH M/N SHORE BAY DR	CTH M INTERSECTION SB SIDE	-	-	23	-
0010	17+38 'NS'	17+43 'NS'	CTH M/N SHORE BAY DR	CTH M INTERSECTION NB SIDE	-	-	32	-
0010	17+48 'NS'	17+54 'NS'	CTH M/N SHORE BAY DR	CTH M INTERSECTION NB SIDE	-	-	38	-
0010	11+47 'KU'	11+60 'KU'	CTH M/KUPFER RD	CTH M INTERSECTION	-	-	43	-
0010	10+68 'WE'	10+91 'WE'	WILLOW RD EAST	LIVERPOOL ST INTERSECTION	-	-	53	-
0010	319+62 'EB'	319+93 'EB'	MANSFIELD RD	CTH M INTERSECTION EB SIDE	-	-	55	-
0010	11+57 'KU'	11+70 'KU'	CTH M/KUPFER RD	CTH M INTERSECTION	-	-	56	-
				SUBTOTAL	0	0	603	
				PROJECT TOTAL	650	1001	1336	

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TRAFFIC SIGNAL REMOVALS

LOCATION / ITEM NUMBER	204.0195 REMOVING CONCRETE BASES EACH	653.0905 REMOVING PULL BOXES EACH
CATEGORY 0010		
CTH M & CTH K		
CB1	1	--
HH1	--	1
HH2	--	1
HH3	--	1
HH4	--	1
HH5	--	1
HH6	--	1
HH7	--	1
HH8	--	1
HH9	--	1
HH10	--	1
HH11	--	1
HH12	--	1
SB1	1	--
SB2	1	--
SB3	1	--
SB4	1	--
SB5	1	--
SB6	1	--
SB7	1	--
SB8	1	--
SB9	1	--
SB10	1	--
INTERSECTION TOTAL	11	12
CATEGORY 0010		
CTH M & WOODLAND DRIVE		
CB1	1	--
HH1	--	1
HH2	--	1
HH3	--	1
HH4	--	1
HH5	--	1
HH6	--	1
HH7	--	1
HH8	--	1
HH9	--	1
HH10	--	1
HH11	--	1
HH12	--	1
SB1	1	--
SB2	1	--
SB3	1	--
SB4	1	--
SB5	1	--
SB6	1	--
SB7	1	--
SB8	1	--
INTERSECTION TOTAL	9	12

CONTINUED

TRAFFIC SIGNAL REMOVALS (CONTINUED)

LOCATION / ITEM NUMBER	204.0195 REMOVING CONCRETE BASES EACH	653.0905 REMOVING PULL BOXES EACH
CATEGORY 0010		
CTH M & BLUE BILL PARK DRIVE		
HH8	--	1
SB2	1	--
SB6	1	--
SB8	1	--
INTERSECTION TOTAL	3	1
CATEGORY 0010 TOTAL	23	25

CONCRETE BASES

LOCATION / BASE NUMBER	STATION	OFFSET	L/R	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	654.0105 CONCRETE BASES TYPE 5 EACH
CATEGORY 0010						
CTH M & CTH K						
SB1	306+98.1 'WB'	32.7'	LT	1	--	--
SB2	306+76.2 'EB'	8.1'	LT	--	1	--
SB3	306+99.2 'EB'	43.7'	RT	--	1	--
SB4	17+35.4 'NS'	33.2'	RT	1	--	--
SB5	17+49.5 'NSB'	11.5'	RT	--	1	--
SB6	17+59.7 'NSB'	30.7'	LT	--	1	--
SB7	305+40.9 'EB'	51.0'	RT	1	--	--
SB8	305+69.6 'WB'	6.5'	RT	--	1	--
SB9	305+69.2 'WB'	34.9'	LT	--	1	--
SB10	86+00.9 'KEB'	34.9'	RT	1	--	--
SB11	86+08.1 'KWB'	19.1'	RT	--	1	--
SB12	86+17.4 'KWB'	24.6'	LT	--	1	--
SB13	308+12.5 'EB'	6.3'	LT	--	--	1
SB14	304+17.8 'WB'	5.3'	RT	--	--	1
SB15	84+56.6 'KWB'	14.5'	RT	--	--	1
SB16	86+03.7 'KWB'	71.8'	LT	--	--	1
SB17	85+66.4 'KEB'	65.1'	RT	--	--	1
INTERSECTION TOTAL				4	8	5
CATEGORY 0010						
CTH M & WOODLAND DRIVE						
SB1	11+73.7 'WD'	36.0'	LT	1	--	--
SB2	11+72.3 'WLN'	4.7'	LT	--	1	--
SB3	328+60.0 'WB'	47.3'	LT	1	--	--
SB4	328+09.5 'EB'	13.1'	LT	--	1	--
SB5	328+09.1 'EB'	38.3'	RT	--	1	--
SB6	327+19.5 'EB'	36.0'	RT	1	--	--
SB7	327+03.8 'EB'	36.0'	RT	1	--	--
SB8	326+80.6 'EB'	35.4'	RT	1	--	--
SB9	326+62.4 'EB'	35.7'	RT	1		--
SB10	327+03.8 'WB'	9.7'	RT	--	1	--
SB11	327+00.5 'WB'	44.9'	LT	--	1	--
SB12	329+98.6 'WB'	8.8'	RT	--	--	1
SB13	325+52.9 'WB'	9.4'	RT	--	--	1
SB14	13+22.2 'WLN'	5.5'	LT	--	--	1
INTERSECTION TOTAL				6	5	3
CATEGORY 0010						
CTH M & BLUE BILL PARK DRIVE						
SB2	388+41.6 'WB'	66.3'	LT	1	--	--
SB6	388+10.6 'EB'	53.9'	RT	1	--	--
SB8	387+07.9 'EB'	54.3'	RT	1	--	--
INTERSECTION TOTAL				3	0	0
CATEGORY 0010 TOTAL				13	13	8

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TRAFFIC SIGNAL HANDHOLES

LOCATION / PULL BOX NUMBER	STATION	OFFSET	L/R	SPV.0060.11 ELECTRICAL PULL BOX TYPE I EACH	SPV.0060.12 ELECTRICAL PULL BOX TYPE III EACH	SPV.0060.13 ELECTRICAL PULL BOX TYPE V EACH
CATEGORY 0010						
CTH M & CTH K						
HH1	307+25.7 'WB'	67.7'	LT	--	--	1
HH2	308+97.1 'WB'	44.4'	LT	--	1	--
HH3	310+27.2 'WB'	44.4'	LT	--	1	--
HH4	307+24.6 'WB'	31.8'	LT	--	--	1
HH5	306+92.2 'EB'	6.9'	LT	--	--	1
HH6	306+81.1 'EB'	7.4'	LT	--	1	--
HH7	306+93.7' EB'	52.9'	RT	1	--	--
HH8	17+24.1 'NS'	29.2'	RT	1	--	--
HH9	17+40.8 'NSB'	10.3'	RT	1	--	--
HH10	17+23.5 'NSB'	12.8'	RT	1	--	--
HH11	17+51.8 'NSB'	37.0'	LT	1	--	--
HH12	305+32.2 'EB'	46.0'	RT	1	--	--
HH13	303+33.0 'EB'	45.7'	RT	--	1	--
HH14	302+00.3 'EB'	45.3'	RT	--	1	--
HH15	305+63.0 'WB'	6.0'	RT	--	--	1
HH16	305+44.4 'WB'	7.0'	RT	--	1	--
HH17	305+63.3 'WB'	33.3'	LT	--	--	1
HH18	85+91.3 'KEB'	35.1'	RT	--	--	1
HH19	85+85.6 'KEB'	34.3'	RT	--	1	--
HH20	86+03.0 'KEB'	23.3'	LT	--	--	1
HH21	85+85.9 'KEB'	17.8'	LT	1	--	--
HH22	86+06.2 'KWB'	23.9'	LT	--	--	1
HH23	85+90.5 'KWB'	61.2'	LT	--	--	1
INTERSECTION TOTAL				7	7	9
CATEGORY 0010						
CTH M & WOODLAND DRIVE						
HH1	12+06.1 'WD'	30.4'	LT	--	--	1
HH2	11+96.1 'WD'	31.1'	LT	--	1	--
HH3	12+00.2 'WLN'	5.3'	LT	--	--	1
HH4	11+88.2 'WLN'	5.4'	LT	1	--	--
HH5	12+00.0 'WLN'	48.4'	RT	--	--	1
HH6	328+66.0 'WB'	45.9'	LT	--	--	1
HH7	328+65.8 'WB'	9.4'	RT	--	--	1
HH8	329+93.2'WB'	6.0'	RT	1	--	--
HH9	330+48.2 'WB'	6.0'	RT	--	1	--
HH10	331+78.2 'WB'	6.0'	RT	--	1	--
HH11	328+26.4 'EB'	43.0'	RT	1	--	--
HH12	327+22.4 'EB'	39.9'	RT	1	--	--
HH13	326+52.0 'EB'	38.4'	RT	1	--	--
HH14	324+59.8 'EB'	36.4'	RT	--	1	--
HH15	323+29.6 'EB'	35.7'	RT	--	1	--
HH16	326+91.4 'WB'	10.0'	RT	--	--	1
HH17	326+78.6 'WB'	9.9'	RT	--	1	--
HH18	326+91.7 'WB'	50.2'	LT	--	--	1
INTERSECTION TOTAL				5	6	7

CONTINUED

TRAFFIC SIGNAL HANDHOLES (CONTINUED)

LOCATION / PULL BOX NUMBER	STATION	OFFSET	L/R	SPV.0060.11 ELECTRICAL PULL BOX TYPE I EACH	SPV.0060.12 ELECTRICAL PULL BOX TYPE III EACH	SPV.0060.13 ELECTRICAL PULL BOX TYPE V EACH
CATEGORY 0010						
CTH M & BLUE BILL PARK DRIVE						
HH8	388+01.3 'EB'	70.5'	RT	1	--	--
HH15	388+04.9 'EB'	86.5'	RT	--	1	--
INTERSECTION TOTAL				1	1	0
CATEGORY 0010 TOTAL				13	14	16

TEMPORARY TRAFFIC SIGNALS

LOCATION	661.0201.01 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS (CTH M & CTH K - EXISTING) EACH	661.0201.02 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS (CTH M & CTH K - PROPOSED) EACH	661.0201.03 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS (CTH M & WOODLAND DRIVE) EACH
CATEGORY 0010			
CTH M & CTH K - EXISTING	1	--	--
CTH M & CTH K - PROPOSED	--	1	--
CTH M & WOODLAND DRIVE	--	--	1
CATEGORY 0010 TOTAL	1	1	1

REMOVE TRAFFIC SIGNALS

LOCATION	204.9060.S.01 REMOVING TRAFFIC SIGNALS FOR INTERSECTIONS (CTH M & CTH K) EACH	204.9060.S.02 REMOVING TRAFFIC SIGNALS FOR INTERSECTIONS (CTH M & WOODLAND DRIVE) EACH	204.9060.S.03 REMOVING TRAFFIC SIGNALS FOR INTERSECTIONS (CTH M & BLUE BILL PARK DRIVE) EACH	659.5000.S LAMP, BALLAST, LED SWITCH DISPOSAL BY CONTRACTOR EACH
CATEGORY 0010				
CTH M & CTH K	1	--	--	5
CTH M & WOODLAND DRIVE	--	1	--	5
CTH M & BLUE BILL PARK DRIVE	--	--	1	4
CATEGORY 0010 TOTAL	1	1	1	14

3

TRAFFIC SIGNAL CONDUIT

LOCATION	FROM	-	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0615 CONDUIT SPECIAL 3-INCH LF
CATEGORY 0010						
CTH M & CTH K						
	CB1	-	HH1	--	96	--
	HH1	-	HH2	182	--	--
	HH2	-	HH3	131	--	--
	HH1	-	SB16	15	--	--
	HH1	-	HH4	--	72	--
	HH4	-	SB1	28	--	--
	HH4	-	HH5	--	116	--
	HH5	-	HH6	12	--	--
	HH5	-	SB2	19	--	--
	HH5	-	SB13	135	--	--
	HH5	-	HH7	--	120	--
	HH7	-	SB3	11	--	--
	HH7	-	HH8	--	68	--
	HH8	-	SB12	7	--	--
	HH8	-	HH9	--	110	--
	HH9	-	HH10	18	--	--
	HH9	-	SB5	9	--	--
	HH9	-	HH11	--	98	--
	HH11	-	SB6	9	--	--
	HH11	-	HH12	--	96	--
	HH12	-	SB7	10	--	--
	HH12	-	HH13	191	--	--
	HH13	-	HH14	127	--	--
	HH12	-	HH15	--	140	--
	HH15	-	HH16	19	--	--
	HH15	-	SB8	6	--	--
	HH15	-	SB14	145	--	--
	HH15	-	HH17	--	80	--
	HH17	-	SB9	6	--	--
	HH17	-	HH18	--	52	--
	HH18	-	HH19	6	--	--
	HH18	-	SB10	10	--	--
	HH18	-	SB17	40	--	--
	HH18	-	HH20	--	120	--
	HH20	-	SB11	9	--	--
	SB11	-	SB15	152	--	--
	HH20	-	HH21	18	--	--
	HH20	-	HH22	--	84	--
	HH22	-	SB12	11	--	--
	HH22	-	HH23	--	82	--
	HH23	-	CB1	--	42	--
INTERSECTION TOTAL				1326	1376	0

CONTINUED

TRAFFIC SIGNAL CONDUIT (CONTINUED)

LOCATION	FROM	-	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0615 CONDUIT SPECIAL 3-INCH LF
CATEGORY 0010						
CTH M & WOODLAND DRIVE						
	CB1	-	HH1	--	117	--
	HH1	-	HH2	11	--	--
	HH1	-	SB1	37	--	--
	HH1	-	HH3	--	96	--
	HH3	-	HH4	13	--	--
	HH3	-	SB2	30	--	--
	HH3	-	SB14	123	--	--
	HH3	-	HH5	--	108	--
	HH5	-	HH6	--	80	--
	HH6	-	SB3	7	--	--
	HH6	-	HH7	--	110	--
	HH7	-	SB4	19	--	--
	HH7	-	HH8	125	--	--
	HH8	-	HH9	55	--	--
	HH8	-	SB12	7	--	--
	HH9	-	HH10	130	--	--
	HH7	-	HH11	--	130	--
	HH11	-	SB5	19	--	--
	HH11	-	HH12	--	210	--
	HH12	-	SB6	6	--	--
	HH12	-	SB7	19	--	--
	HH12	-	HH13	--	142	--
	HH13	-	SB8	29	--	--
	HH13	-	SB9	12	--	--
	HH13	-	HH14	193	--	--
	HH14	-	HH15	130	--	--
	HH13	-	HH16	--	118	--
	HH16	-	SB10	12	--	--
	HH16	-	HH17	13	--	--
	HH16	-	SB13	140	--	--
	HH16	-	HH18	--	120	--
	HH18	-	SB11	11	--	--
	HH18	-	CB1	--	72	--
INTERSECTION TOTAL				1141	1303	0
CATEGORY 0010						
CTH M & BLUE BILL PARK DRIVE						
	SB2	-	EXIST	7	--	--
	HH8	-	EX LB1 CONDUIT	--	10	--
	HH8	-	EX HH9 CONDUIT	--	10	--
	HH8	-	EX HH7 CONDUIT	--	35	--
	HH8	-	SB6	20	--	--
	HH8	-	HH15	16	--	--
	HH8	-	EX HH10 CONDUIT	--	--	220
	EX HH10 CONDUIT	-	SB8	15	--	--
INTERSECTION TOTAL				58	55	220
CATEGORY 0010 TOTAL				2,525	2,734	220

PEDESTRIAN PUSH BUTTONS

LOCATION / BASE NUMBER	658.0500 PEDESTRIAN PUSH BUTTONS EACH
CATEGORY 0010	
CTH M & CTH K	
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
SB11	1
SB12	1
INTERSECTION TOTAL	9
CATEGORY 0010	
CTH M & WOODLAND DRIVE	
SB1	1
SB9	1
SB10	1
INTERSECTION TOTAL	3
CATEGORY 0010	
CTH M & BLUE BILL PARK DRIVE	
SB1	1
SB2	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
INTERSECTION TOTAL	7
CATEGORY 0010 TOTAL	19

TRAFFIC SIGNAL LOOP DETECTORS

LOCATION / LOOP NO.	STATION **	OFFSET	L/R	SIZE FT X FT	NO. OF TURNS	INSTALLATION METHOD	652.0900 LOOP DETECTOR SLOTS LF	652.0800 CONDUIT LOOP DETECTOR LF	655.0800 LOOP DETECTOR WIRE LF	655.0700* LOOP DETECTOR LEAD IN CABLE LF
CATEGORY 0010										
CTH M & CTH K										
21	310+26.6 'WB'	11.0'	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	100	308	352
22	308+96.5 'WB'	11.0'	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	100	308	222
61	302+00.9 'EB'	11.0'	RT	6 X 20	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	102	416	618
62	303+33.4 'EB'	11.0'	RT	6 X 20	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)		102	416	490
71	85+79.2 'KEB'	6.0'	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	76	236	122
72	86+07.2 'KEB'	6.0'	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	70	218	122
73	85+77.3 'KEB'	6.0'	RT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	98	302	122
74	86+05.3 'KEB'	6.0'	RT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	94	290	122
75	85+74.8 'KEB'	18.0'	RT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)		88	272	168
76	86+02.8 'KEB'	18.0'	RT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	80	248	168
81	17+11.6 'NS'	6.0'	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	80	248	298
82	17+39.6 'NS'	6.0'	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	76	236	298
83	17+11.6 'NS'	6.5'	RT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	102	314	298
84	17+39.6 'NS'	6.5'	RT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)		100	308	298
FUTURE	305+10.2 'EB'	12.5'	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	70	218	0
FUTURE	305+37.9 'EB'	12.5'	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	72	224	0
FUTURE	306+92.8 'WB'	12.5'	RT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	74	230	0
FUTURE	307+21.0 'WB'	12.5'	RT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	74	230	0
INTERSECTION TOTAL							0	1458	4714	3346
CATEGORY 0010										
CTH M & WOODLAND DRIVE										
11	326+35.3 'EB'	5.5'	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	78	242	105
12	326+63.3 'EB'	5.5'	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	78	242	105
21	331+77.7 'WB'	11.0'	LT	6 X 20	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	68	280	557
22	330+47.7 'WB'	11.0'	LT	6 X 20	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	68	280	427
41	11+96.2 'WD'	5.5'	RT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	74	230	108
42	11+68.2 'WD'	6.0'	RT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	74	230	108
43	11+96.5 'WD'	6.6'	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	96	296	108
44	11+68.5 'WD'	6.1'	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	96	296	108
45	11+99.4 'WD'	18.0'	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	74	230	57
46	11+72.5 'WD'	18.2'	LT	6 X 20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	74	230	57
61	323+30.1 'EB'	11.1'	RT	6 X 20	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	82	336	473
62	324+60.3 'EB'	11.0'	RT	6 X 20	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	--	84	344	343
INTERSECTION TOTAL							0	868	2994	2451
CATEGORY 0010										
CTH M & BLUE BILL PARK DRIVE										
41	388+00.0 'WB'	101.3'	LT	8 X 20	3	LOOP DETECTOR INSTALLED IN EXISTING OR NEW ASPHALTIC PAVEMENT WITH NEW ASPHALTIC OVERLAY	64	76	300	73
42	387+97.0 'WB'	73.2'	LT	8 X 20	3	LOOP DETECTOR INSTALLED IN EXISTING OR NEW ASPHALTIC PAVEMENT WITH NEW ASPHALTIC OVERLAY	67	71	270	73
81						EXISTING				
82	387+79.9 'EB'	90.9'	RT	6 X 20	3	LOOP DETECTOR INSTALLED IN EXISTING OR NEW ASPHALTIC PAVEMENT WITH NEW ASPHALTIC OVERLAY	64	69	270	248
83	387+78.0 'EB'	62.9'	RT	6 X 20	3	LOOP DETECTOR INSTALLED IN EXISTING OR NEW ASPHALTIC PAVEMENT WITH NEW ASPHALTIC OVERLAY	65	71	282	248
84	387+90.5 'EB'	90.7'	RT	6 X 20	3	LOOP DETECTOR INSTALLED IN EXISTING OR NEW ASPHALTIC PAVEMENT WITH NEW ASPHALTIC OVERLAY	54	60	216	248
85	387+88.6 'EB'	62.8'	RT	6 X 20	3	LOOP DETECTOR INSTALLED IN EXISTING OR NEW ASPHALTIC PAVEMENT WITH NEW ASPHALTIC OVERLAY	54	61	222	248
INTERSECTION TOTAL							304	332	1260	1065
CATEGORY 0010 TOTAL							304	2,658	8,968	6,862

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

TRAFFIC SIGNAL STRUCTURES

LOCATION / BASE NUMBER	657.0100 PEDESTAL BASES EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0305 POLES TYPE 2 EACH	657.0310 POLES TYPE 3 EACH	657.0322 POLES TYPE 5 ALUMINUM EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0585 TROMBONE ARMS 15-FT EACH	657.0590 TROMBONE ARMS 20-FT EACH	657.0595 TROMBONE ARMS 25-FT EACH	SPV.0060.15 LED LUMINAIRE AND MOUNTING BRACKET TYPE I EACH	657.0614 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 8-FT EACH	657.0615 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 8-FT EACH	659.1115 LUMINAIRES UTILITY LED A EACH
CATEGORY 0010														
CTH M & CTH K														
SB1	1	--	--	--	--	--	1	--	--	--	--	--	--	--
SB2	--	1	--	1	--	--	--	1	--	--	--	2	--	2
SB3	--	1	1	--	--	--	--	--	--	1	--	--	--	--
SB4	1	--	--	--	--	1	--	--	--	--	--	--	--	--
SB5	--	1	--	1	--	--	--	--	--	--	--	2	--	2
SB6	--	1	1	--	--	--	--	--	--	1	--	--	--	--
SB7	1	--	--	--	--	--	1	--	--	--	--	--	--	--
SB8	--	1	--	1	--	--	--	1	--	--	--	2	--	2
SB9	--	1	1	--	--	--	--	--	1	--	--	--	--	--
SB10	1	--	--	--	--	1	--	--	--	--	--	--	--	--
SB11	--	1	--	1	--	--	--	--	--	--	--	2	--	2
SB12	--	1	1	--	--	--	--	--	--	1	--	--	--	--
SB13	--	1	--	--	1	--	--	--	--	--	--	--	2	2
SB14	--	1	--	--	1	--	--	--	--	--	--	--	2	2
SB15	--	1	--	--	1	--	--	--	--	--	--	--	2	2
SB16	--	1	--	--	1	--	--	--	--	--	--	--	1	1
SB17	--	1	--	--	1	--	--	--	--	--	--	--	1	1
INTERSECTION TOTAL	4	13	4	4	5	2	2	2	1	3	0	8	8	16
CATEGORY 0010														
CTH M & WOODLAND DRIVE														
SB1	1	--	--	--	--	--	1	--	--	--	--	--	--	--
SB2	--	1	--	1	--	--	--	--	--	--	--	2	--	2
SB3	1	--	--	--	--	--	1	--	--	--	--	--	--	--
SB4	--	1	--	1	--	--	--	--	1	--	--	2	--	2
SB5	--	1	1	--	--	--	--	--	--	1	--	--	--	--
SB6	1	--	--		--	1	--	--	--	--	--			
SB7	1	--	--	--	--	1	--	--	--	--	--	--	--	--
SB8	1	--	--	--	--	--	1	--	--	--	--	--	--	--
SB9	1	--	--	--	--	1	--	--	--	--	--	--	--	--
SB10	--	1	--	1	--	--	--	--	1	--	--	2	--	2
SB11	--	1	1	--	--	--	--	--	--	1	--	--	--	--
SB12	--	1	--	--	1	--	--	--	--	--	--	--	2	2
SB13	--	1	--	--	1	--	--	--	--	--	--	--	2	2
SB14	--	1	--	--	1	--	--	--	--	--	--	--	2	2
INTERSECTION TOTAL	6	8	2	3	3	3	3	0	2	2	0	6	6	12

CONTINUED

TRAFFIC SIGNAL STRUCTURES (CONTINUED)

LOCATION / BASE NUMBER	657.0100 PEDESTAL BASES EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0305 POLES TYPE 2 EACH	657.0310 POLES TYPE 3 EACH	657.0322 POLES TYPE 5 ALUMINUM EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0585 TROMBONE ARMS 15-FT EACH	657.0590 TROMBONE ARMS 20-FT EACH	657.0595 TROMBONE ARMS 25-FT EACH	SPV.0060.15 LED LUMINAIRE AND MOUNTING BRACKET TYPE I EACH	657.0614 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 8-FT EACH	657.0615 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 8-FT EACH	659.1115 LUMINAIRES UTILITY LED A EACH
CATEGORY 0010														
CTH M & BLUE BILL PARK DRIVE														
SB2	1	--	--	--	--	1	--	--	--	--	--	--	--	--
SB4	--	--	--	--	--		--	--	--	--	2	--	--	--
SB6	1	--	--	--	--	1	--	--	--	--	--	--	--	--
SB8	1	--	--	--	--	--	1	--	--	--	--	--	--	--
SB9	--	--	--	--	--	--	--	--	--	--	2	--	--	--
LB1	--	--	--	--	--	--	--	--	--	--	1	--	--	--
INTERSECTION TOTAL	3	0	0	0	0	2	1	0	0	0	5	0	0	0
CATEGORY 0010 TOTAL	13	21	6	7	8	7	6	2	3	5	5	14	14	28

TRAFFIC SIGNAL HEADS

LOCATION	SIGNAL BASE NO.	HEAD NO.	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH
CATEGORY 0010					
CTH M & CTH K					
	SB1	5	1	--	--
		7	1	--	--
	SB2	2	1	--	--
		6	1	--	--
		10	1	--	--
	SB3	3	1	--	--
	SB4	14	1	--	--
		6B	--	--	1
	SB5	13	--	1	--
		19	--	1	--
	SB6	20	--	1	--
		6A	--	--	1
	SB7	1	1	--	--
		11	1	--	--
		7B	--	--	1
	SB8	4	1	--	--
		8	1	--	--
		12	1	--	--
	SB9	9	1	--	--
		7A	--	--	1
	SB10	18	1	--	--
		2B	--	--	1
	SB11	15	--	1	--
		17	--	1	--
	SB12	16	1	--	--
		2A	--	--	1
INTERSECTION TOTAL			15	5	6

CONTINUED

TRAFFIC SIGNAL HEADS (CONTINUED)

LOCATION	SIGNAL BASE NO.	HEAD NO.	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH
CATEGORY 0010					
CTH M & WOODLAND DRIVE					
	SB1	11	1	--	--
		4A	--	--	1
	SB2	12	1	--	--
	SB3	5	--	1	--
		7	1	--	--
	SB4	2	1	--	--
		6	--	1	--
		8	1	--	--
	SB5	3	1	--	--
	SB6	13	1	--	--
	SB7	14	1	--	--
	SB8	15	1	--	--
	SB9	1	1	--	--
		4B	--	--	1
	SB10	4	--	1	--
		9	1	--	--
	SB11	10	1	--	--
INTERSECTION TOTAL			12	3	2

CONTINUED

TRAFFIC SIGNAL HEADS (CONTINUED)

LOCATION	SIGNAL BASE NO.	HEAD NO.	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH
CATEGORY 0010					
CTH M & BLUE BILL PARK DRIVE					
	SB1	2B	--	--	1
	SB2	18	1	--	--
		2A	--	--	1
	SB3	5	1	--	--
	SB4	2	1	--	--
		6	1	--	--
		10	1	--	--
	SB6	14	1	--	--
		16	1	--	--
		6B	--	--	1
	SB7	6A	--	--	1
	SB8	1	1	--	--
		11	1	--	--
		4B	--	--	1
	SB9	4	1	--	--
		8	1	--	--
		12	1	--	--
	SB10	4A	--	--	1
INTERSECTION TOTAL			12	0	6
CATEGORY 0010 TOTAL			39	8	14

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

TRAFFIC SIGNAL CABLE AND WIRE - BELOW GROUND

LOCATION	FROM	-	TO	655.0250 CABLE TRAFFIC SIGNAL 9-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG LF	655.0320 CABLE TYPE UF 2-10 AWG GROUNDED LF	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF	655.0700* LOOP DETECTOR LEAD IN CABLE LF	655.0900* TRAFFIC SIGNAL EVP DETECTOR CABLE LF
CATEGORY 0010										
CTH M & CTH K										
	CB1	-	SB1	--	148	--	--	148	--	--
	CB1	-	SB2	--	--	212	--	--	--	179
	CB1	-	SB3	279	--	--	--	--	--	--
	CB1	-	SB4	328	--	--	--	--	328	--
	CB1	-	SB5	--	395	--	--	--	395	--
	CB1	-	SB6	459	--	--	--	--	459	366
	CB1	-	SB7	--	428	--	--	--	428	--
	CB1	-	SB8	--	--	340	340	--	340	--
	CB1	-	SB9	286	--	--	--	--	286	223
	CB1	-	SB10	247	--	--	--	--	247	--
	CB1	-	SB11	--	171	--	171	--	171	--
	CB1	-	SB12	117	--	--	--	117	117	99
	CB1	-	SB16	--	--	--	83	--	--	--
	SB1	-	SB2	--	--	--	--	150	--	--
	SB2	-	SB3	--	--	--	--	135	--	--
	SB2	-	SB13	--	--	--	168	--	--	--
	SB3	-	SB4	--	--	--	--	100	--	--
	SB4	-	SB5	--	--	--	--	122	--	--
	SB5	-	SB6	--	--	--	--	112	--	--
	SB6	-	SB7	--	--	--	--	113	--	--
	SB7	-	SB8	--	--	--	--	132	--	--
	SB8	-	SB9	--	--	--	--	97	--	--
	SB8	-	SB14	--	--	--	182	182	--	--
	SB8	-	SB5	--	--	--	257	--	--	--
	SB9	-	SB10	--	--	--	--	89	--	--
	SB10	-	SB11	--	--	--	--	124	--	--
	SB11	-	SB12	--	--	--	--	107	--	--
	SB11	-	SB15	--	--	--	167	--	--	--
	SB11	-	SB17	--	--	--	152	--	--	--
	SB16	-	SB2	--	--	--	186	--	--	--
INTERSECTION TOTAL				1716	1142	552	1706	1728	2771	867

CONTINUED

TRAFFIC SIGNAL CABLE AND WIRE - BELOW GROUND (CONTINUED)

LOCATION	FROM	-	TO	655.0250 CABLE TRAFFIC SIGNAL 9-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG LF	655.0320 CABLE TYPE UF 2-10 AWG GROUNDED LF	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF	655.0700* LOOP DETECTOR LEAD IN CABLE LF	655.0900* TRAFFIC SIGNAL EVP DETECTOR CABLE LF
CATEGORY 0010										
CTH M & WOODLAND DRIVE										
	CB1	-	SB1	114	--	--	--	114	114	--
	CB1	-	SB2	169	--	--	169	169	--	--
	CB1	-	SB3	--	270	--	--	--	--	--
	CB1	-	SB4	--	--	252	252	--	--	--
	CB1	-	SB5	430	--	--	--	--	430	352
	CB1	-	SB6	300	--	--	--	--	--	--
	CB1	-	SB7	315	--	--	--	--	--	--
	CB1	-	SB8	239	--	--	--	--	--	206
	CB1	-	SB9	222	--	--	--	--	222	--
	CB1	-	SB10	--	148	--	148	148	--	130
	CB1	-	SB11	72	--	--	--	72	--	--
	SB1	-	SB2	--	--	--	--	160	--	--
	SB2	-	SB3	--	--	--	--	190	--	--
	SB2	-	SB14	--	--	--	182	--	--	--
	SB3	-	SB4	--	--	--	--	126	--	--
	SB4	-	SB5	--	--	--	--	147	--	--
	SB4	-	SB12	--	--	--	198	--	--	--
	SB5	-	SB6	--	--	--	--	173	--	--
	SB6	-	SB7	--	--	--	--	56	--	--
	SB7	-	SB8	--	--	--	--	168	--	--
	SB8	-	SB9	--	--	--	--	71	--	--
	SB9	-	SB10	--	--	--	--	129	--	--
	SB10	-	SB11	--	--	--	--	127	--	--
	SB10	-	SB13	--	--	--	182	--	--	--
INTERSECTION TOTAL				1861	418	252	1131	1850	766	688
CATEGORY 0010										
CTH M & BLUE BILL PARK DRIVE										
	CB1	-	SB1	--	71	--	--	--	71	--
	CB1	-	SB2	223	--	--	--	--	223	--
	CB1	-	SB3	--	185	--	--	--	--	--
	CB1	-	SB4	--	--	253	--	--	--	--
	CB1	-	SB5	--	--	--	--	--	--	322
	CB1	-	SB6	--	312	--	--	--	312	--
	CB1	-	SB7	202	--	--	--	--	202	--
	CB1	-	SB8	--	183	--	--	--	183	--
	CB1	-	SB9	--	--	101	--	--	101	--
	CB1	-	SB10	--	--	--	--	--	35	47
	SB1	-	SB2	--	--	--	--	266	--	--
	SB2	-	SB3	--	--	--	--	89	--	--
	SB5	-	SB6	--	--	--	--	137	--	--
	SB6	-	SB8	--	--	--	--	191	--	--
	SB7	-	SB8	--	--	--	--	81	--	--
	SB8	-	SB9	--	--	--	--	127	--	--
	SB9	-	SB10	--	--	--	--	127		--
INTERSECTION TOTAL				425	751	354	0	1018	1127	369
CATEGORY 0010 TOTAL				4,002	2,311	1,158	2,837	4,596	4,664	1,924

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

TRAFFIC SIGNAL CABLE AND WIRE - ABOVE GROUND

LOCATION	FROM SIGNAL BASE	-	TO SIGNAL HEAD	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0900* TRAFFIC SIGNAL EVP DETECTOR CABLE LF
CATEGORY 0010						
CTH M & CTH K						
	SB1	-	5	24	--	--
		-	7	24	--	--
	SB2	-	2	45	--	--
		-	6	24	--	--
		-	10	24	--	--
		-	EVP A	--	--	42
		-	LUMINAIRE	--	256	--
	SB3	-	3	55	--	--
	SB4	-	14	24	--	--
		-	6B	20	--	--
	SB5	-	13	27	--	--
		-	19	27	--	--
		-	LUMINAIRE	--	256	--
	SB6	-	20	56	--	--
		-	6A	20	--	--
		-	EVP C	--	--	47
	SB7	-	1	24	--	--
		-	11	24	--	--
		-	7B	20	--	--
	SB8	-	4	24	--	--
		-	8	45	--	--
		-	12	24	--	--
		-	LUMINAIRE	--	256	--
	SB9	-	9	50	--	--
		-	7A	20	--	--
		-	EVP B	--	--	42
	SB10	-	18	24	--	--
		-	2B	20	--	--
	SB11	-	15	27	--	--
		-	17	27	--	--
		-	LUMINAIRE	--	256	--
	SB12	-	16	55	--	--
		-	2A	20	--	--
		-	EVP D	--	--	47
	SB13	-	LUMINAIRE	--	256	--
	SB14	-	LUMINAIRE	--	256	--
	SB15	-	LUMINAIRE	--	256	--
	SB16	-	LUMINAIRE	--	128	--
	SB17	-	LUMINAIRE	--	128	--
INTERSECTION TOTAL				774	2048	178

CONTINUED

TRAFFIC SIGNAL CABLE AND WIRE - ABOVE GROUND (CONTINUED)

LOCATION	FROM SIGNAL BASE	-	TO SIGNAL HEAD	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0900* TRAFFIC SIGNAL EVP DETECTOR CABLE LF
CATEGORY 0010						
CTH M & WOODLAND DRIVE						
	SB1	-	11	24	--	--
		-	4A	20	--	--
	SB2	-	12	24	--	--
		-	LUMINAIRE	--	256	--
	SB3	-	5	27	--	--
		-	7	24	--	--
	SB4	-	2	50	--	--
		-	6	27	--	--
		-	8	24	--	--
		-	LUMINAIRE	--	256	--
	SB5	-	3	55	--	--
		-	EVP A	--	--	47
	SB6	-	13	24	--	--
	SB7	-	14	24	--	--
	SB8	-	15	24	--	--
		-	EVP C	--	--	15
	SB9	-	1	24	--	--
		-	4B	20	--	--
	SB10	-	4	27	--	--
		-	9	50	--	--
		-	EVP B	--	--	45
		-	LUMINAIRE	--	256	--
	SB11	-	10	55	--	--
	SB12	-	LUMINAIRE	--	256	--
	SB13	-	LUMINAIRE	--	256	--
	SB14	-	LUMINAIRE	--	256	--
INTERSECTION TOTAL				523	1536	107

CONTINUED

3

TRAFFIC SIGNAL CABLE AND WIRE - ABOVE GROUND (CONTINUED)

LOCATION	FROM SIGNAL BASE	-	TO SIGNAL HEAD	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0900* TRAFFIC SIGNAL EVP DETECTOR CABLE LF
CATEGORY 0010						
CTH M & BLUE BILL PARK DRIVE						
	SB1	-	2B	20	--	--
	SB2	-	18	24	--	--
		-	2A	20	--	--
	SB3	-	5	24	--	--
	SB4	-	6	24	--	--
		-	2	24	--	--
		-	10	24	--	--
		-	LUMINAIRE	--	208	--
	SB5	-	EVP A	--	--	42
	SB6	-	14	24	--	--
		-	16	24	--	--
		-	6B	20	--	--
	SB7	-	6A	20	--	--
	SB8	-	1	24	--	--
		-	11	24	--	--
		-	4C	20	--	--
	SB9	-	4	24	--	--
		-	12	24	--	--
		-	8	24	--	--
		-	LUMINAIRE	--	208	--
	SB10	-	4A	20	--	--
			EVP B	--	--	42
	LB1	-	LUMINAIRE	--	104	--
INTERSECTION TOTAL				408	520	84
CATEGORY 0010 TOTAL				1,705	4,104	369

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

SIGNAL MOUNTING

LOCATION	658.5070.01 SIGNAL MOUNTING HARDWARE (CTH M & CTH K) EACH	658.5070.02 SIGNAL MOUNTING HARDWARE (CTH M & WOODLAND DRIVE) EACH	658.5070.03 SIGNAL MOUNTING HARDWARE (CTH M & BLUE BILL PARK DRIVE) EACH
CATEGORY 0010			
CTH M & CTH K	1	--	--
CTH M & WOODLAND DRIVE	--	1	--
CTH M & BLUE BILL PARK DRIVE	--	--	1
CATEGORY 0010 TOTAL	1	1	1

FURNISH AND INSTALL EVP

LOCATION	SPV.0060.17 FURNISH AND INSTALL EMERGENCY VEHICLE PREEMPTION (CTH M & CTH K) EACH	SPV.0060.18 FURNISH AND INSTALL EMERGENCY VEHICLE PREEMPTION (CTH M & WOODLAND DRIVE) EACH	SPV.0060.19 FURNISH AND INSTALL EMERGENCY VEHICLE PREEMPTION (CTH M & BLUE BILL PARK DR) EACH
CATEGORY 0010			
CTH M & CTH K	1	--	--
CTH M & WOODLAND DRIVE	--	1	--
CTH M & BLUE BILL PARK DRIVE	--	--	1
CATEGORY 0010 TOTAL	1	1	1

TRAFFIC SIGNAL CONTROL

LOCATION	SPV.0060.14 CONCRETE BASE TYPE P EACH	656.0201.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL (CTH M & CTH K) EACH	656.0201.02 ELECTRICAL SERVICE METER BREAKER PEDESTAL (CTH M & WOODLAND DRIVE) EACH	SPV.0060.16 FURNISH AND INSTALL TRAFFIC SIGNAL CABINET AND CONTROLLER EACH
CATEGORY 0010				
CTH M & CTH K	1	1	--	1
CTH M & WOODLAND DRIVE	1	--	1	1
CTH M & BLUE BILL PARK DRIVE	--	--	--	1
CATEGORY 0010 TOTAL	2	1	1	3

TRANSPORTATION PROJECT PLAT TITLE SHEET

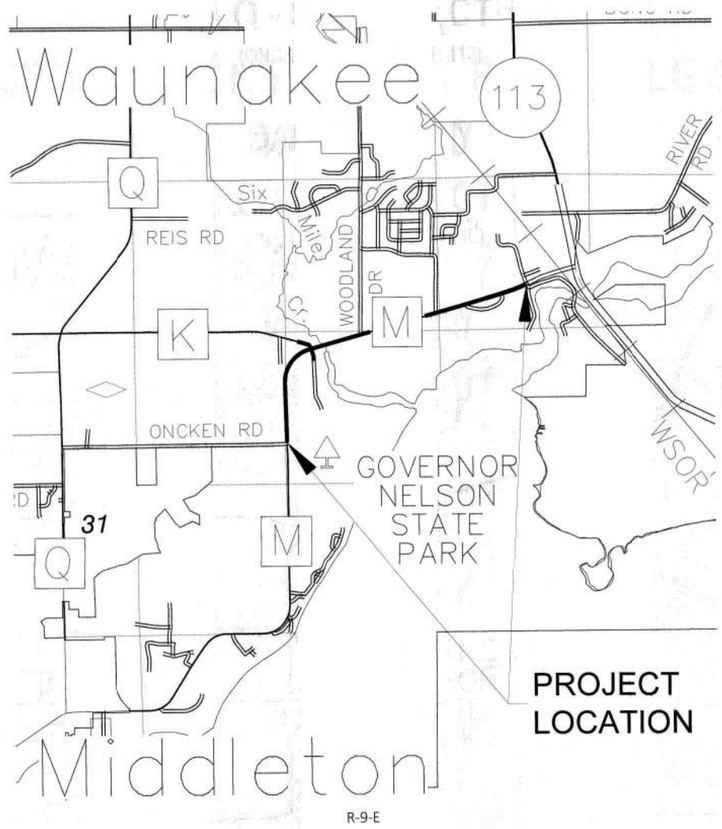
5954-00-00

CTH Q - STH 113 (CTH M)

(ONCKEN ROAD TO STH 113)

CTH M

DANE COUNTY



LAYOUT

SCALE 0 0.5 MI.

CONVENTIONAL SYMBOLS

SECTION LINE		SECTION CORNER SYMBOL	R/W MONUMENT (TO BE SET)
QUARTER LINE			NON-MONUMENTED R/W POINT
SIXTEENTH LINE		SECTION CORNER MONUMENT	FOUND IRON PIN (3/4-INCH UNLESS OTHERWISE NOTED)
NEW REFERENCE LINE		GEODETIC SURVEY MONUMENT	
NEW R/W LINE		SIXTEENTH CORNER MONUMENT	
EXISTING R/W OR HE LINE		SIGN	OFF-PREMISE SIGN
PROPERTY LINE	P.L.		
LOT, TIE & OTHER MINOR LINES			
SLOPE INTERCEPT			COMPENSABLE / NON-COMPENSABLE
CORPORATE LIMITS		ELECTRIC POLE	
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)	W (TYPE)	TELEPHONE POLE	
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)		PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	
TEMPORARY LIMITED EASEMENT AREA		ACCESS RESTRICTED BY ACQUISITION	
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)		NO ACCESS (BY STATUTORY AUTHORITY)	
TRANSMISSION STRUCTURES		ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)	
BUILDING / TO BE REMOVED		NO ACCESS (NEW HIGHWAY)	
BRIDGE / CULVERT		PARCEL NUMBER (25) / UTILITY NUMBER (40)	
		PARALLEL OFFSETS	

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE	CONC	RIGHT OF WAY	R/W
COUNTY	CO	SECTION	SEC
COUNTY TRUNK HIGHWAY	CTH	SEPTIC VENT	SEPV
DISTANCE	DIST	SQUARE FEET	SF
CORNER	COR	STATE TRUNK HIGHWAY	STH
DOCUMENT NUMBER	DOC	STATION	STA
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA ABBREVIATIONS

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

WATER	W
GAS	G
TELEPHONE	T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS
ELECTRIC TOWER	☒

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 5954-00-00.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83(2011), 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" 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.

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 CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF DANE COUNTY.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE TPP DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE TPP DETAIL PAGES.

PROJECT NUMBER: 5954-00-00 - 4.01
SHEET 2 OF 3
AMENDMENT NO:

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\RW\040101-RP-TITLE.DWG
LAYOUT NAME: TPP Title 34x22

PLOT DATE : 9/16/2015 3:04 PM PLOT BY : SCOTT DEMEUSE PLOT NAME : _____

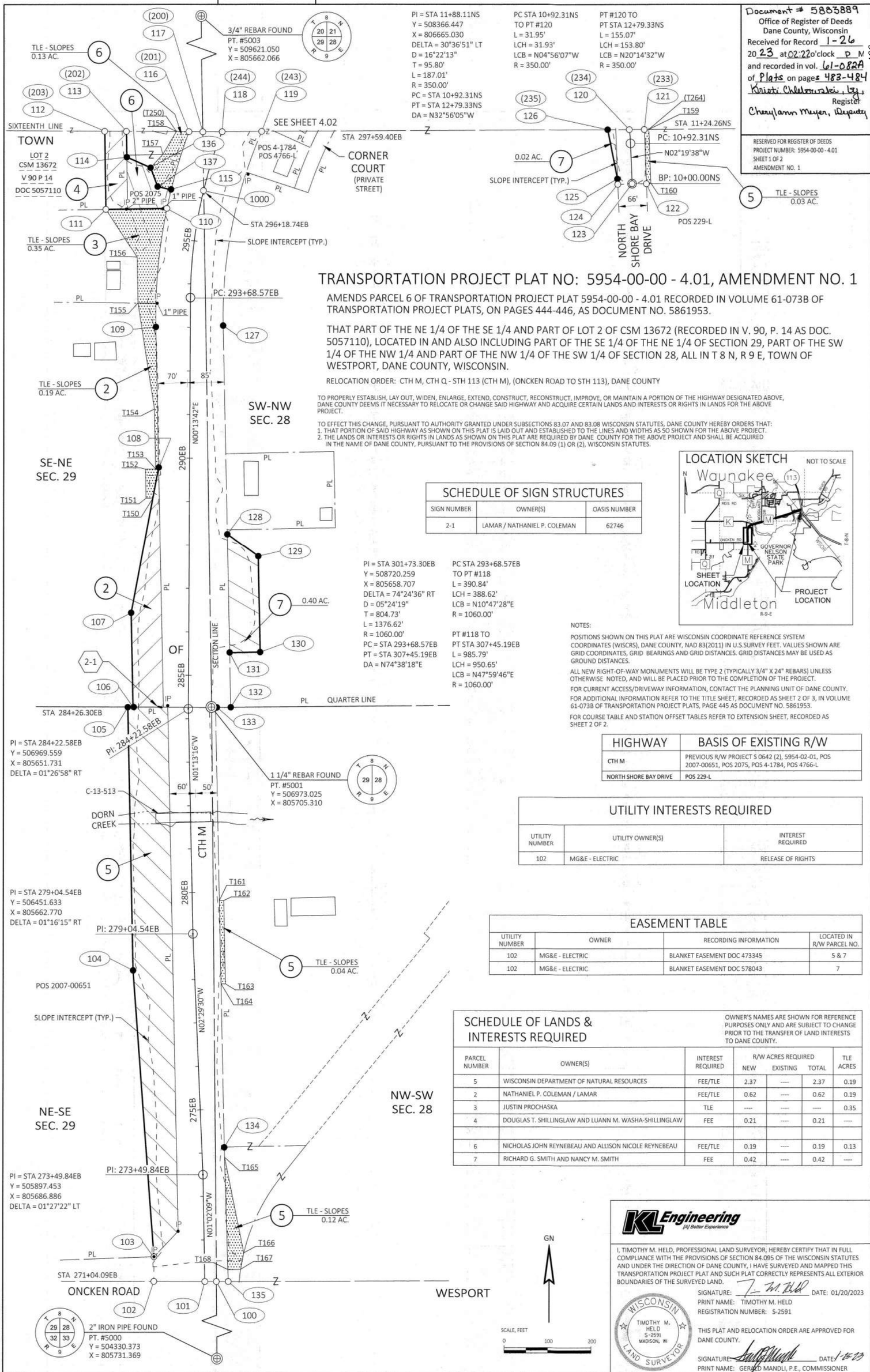
5954-00-00 4.01

Document # 5883889
Office of Register of Deeds
Dane County, Wisconsin
Received for Record 1-26
2023 at 02:22 o'clock P M
and recorded in vol. 61-082A
of Plats on pages 483-484
Kristi Chlebowski, Dty.
Register
Cheryl Ann Meyer, Deputy

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER: 5954-00-00 - 4.01
SHEET 1 OF 2
AMENDMENT NO. 1

466

5954-00-00 4.01, AMEND. NO 1



TRANSPORTATION PROJECT PLAT NO: 5954-00-00 - 4.01, AMENDMENT NO. 1

AMENDS PARCEL 6 OF TRANSPORTATION PROJECT PLAT 5954-00-00 - 4.01 RECORDED IN VOLUME 61-073B OF TRANSPORTATION PROJECT PLATS, ON PAGES 444-446, AS DOCUMENT NO. 5861953.

THAT PART OF THE NE 1/4 OF THE SE 1/4 AND PART OF LOT 2 OF CSM 13672 (RECORDED IN V. 90, P. 14 AS DOC. 5057110), LOCATED IN AND ALSO INCLUDING PART OF THE SE 1/4 OF THE NE 1/4 OF SECTION 29, PART OF THE SW 1/4 OF THE NW 1/4 AND PART OF THE NW 1/4 OF THE SW 1/4 OF SECTION 28, ALL IN T 8 N, R 9 E, TOWN OF WESTPORT, DANE COUNTY, WISCONSIN.

RELOCATION ORDER: CTH M, CTH Q - STH 113 (CTH M), (ONCKEN ROAD TO STH 113), DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, DANE COUNTY 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 SUBSECTIONS 83.07 AND 83.08 WISCONSIN STATUTES, DANE COUNTY 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 DANE COUNTY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF DANE COUNTY, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF SIGN STRUCTURES

SIGN NUMBER	OWNER(S)	OASIS NUMBER
2-1	LAMAR / NATHANIEL P. COLEMAN	62746

LOCATION SKETCH

NOT TO SCALE

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD 83(2011) IN U.S.SURVEY FEET. VALUES SHOWN 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 3/4" X 24" REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF DANE COUNTY.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN VOLUME 61-073B OF TRANSPORTATION PROJECT PLATS, PAGE 445 AS DOCUMENT NO. 5861953.

FOR COURSE TABLE AND STATION OFFSET TABLES REFER TO EXTENSION SHEET, RECORDED AS SHEET 2 OF 2.

HIGHWAY	BASIS OF EXISTING R/W
CTH M	PREVIOUS R/W PROJECT S 0642 (2), 5954-02-01, POS 2007-00651, POS 2075, POS 4-1784, POS 4766-L
NORTH SHORE BAY DRIVE	POS 229-L

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
102	MG&E - ELECTRIC	RELEASE OF RIGHTS

EASEMENT TABLE

UTILITY NUMBER	OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL NO.
102	MG&E - ELECTRIC	BLANKET EASEMENT DOC 473345	5 & 7
102	MG&E - ELECTRIC	BLANKET EASEMENT DOC 578043	7

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 DANE COUNTY.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
5	WISCONSIN DEPARTMENT OF NATURAL RESOURCES	FEE/TLE	2.37	----	2.37	0.19
2	NATHANIEL P. COLEMAN / LAMAR	FEE/TLE	0.62	----	0.62	0.19
3	JUSTIN PROCHASKA	TLE	----	----	----	0.35
4	DOUGLAS T. SHILLINGLAW AND LUANN M. WASHA-SHILLINGLAW	FEE	0.21	----	0.21	----
6	NICHOLAS JOHN REYNEBEAU AND ALLISON NICOLE REYNEBEAU	FEE/TLE	0.19	----	0.19	0.13
7	RICHARD G. SMITH AND NANCY M. SMITH	FEE	0.42	----	0.42	----

KL Engineering
[A] Better Experience

I, TIMOTHY M. HELD, 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 DANE COUNTY, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 01/20/2023
PRINT NAME: TIMOTHY M. HELD
REGISTRATION NUMBER: S-2591

WISCONSIN TIMOTHY M. HELD S-2591 MADISON, WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR DANE COUNTY.

SIGNATURE: _____ DATE: 1-25-23
PRINT NAME: GERALD MANDLI, P.E., COMMISSIONER

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\RW\040101-RP-4.01 AMEND-1.DWG
APPRAISAL PLAT DATE : 01/20/2023
PLOT DATE :
PLOT BY : 1/19/2023 12:16 PM Scott DeMeuse
PLOT NAME :
PLOT SCALE : 1 IN:200 FT

TRANSPORTATION PROJECT PLAT NO: 5954-00-00 - 4.01, AMENDMENT NO. 1
EXTENSION SHEET

RELOCATION ORDER: CTH M, CTH Q - STH 113 (CTH M), (ONCKEN ROAD TO STH 113), DANE COUNTY

SHEET 2 OF 2: COURSE TABLE AND STATION OFFSET TABLES

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD 83(2011) IN U.S.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, RECORDED AS SHEET 2 OF 3 IN VOLUME 61-0738 OF TRANSPORTATION PROJECT PLATS, PAGE 445 AS DOCUMENT NO. 5861953.

R/W COURSE TABLE			
FROM POINT	TO POINT	BEARING	DISTANCE
5000	5001	N00° 33' 54"W	2642.78'
5001	5003	N00° 56' 08"W	2648.38'
5000	100	N00° 33' 54"W	1321.39'
100	5001	N00° 33' 54"W	1321.39'
5001	1000	N00° 56' 08"W	1190.41'
1000	117	N00° 56' 08"W	133.78'
117	5003	N00° 56' 08"W	1324.19'
100	101	N89° 53' 37"W	27.01'
101	102	N89° 53' 37"W	117.26'
102	103	N00° 06' 23"E	56.81'
103	104	N04° 15' 50"W	660.98'
104	105	N01° 13' 04"W	606.14'
105	106	S89° 43' 56"E	12.01'
106	107	N01° 11' 25"W	217.04'
107	108	N10° 40' 26"E	340.48'
108	109	N01° 11' 25"W	322.66'
109	110	SEE CURVE TABLE	
110	111	S89° 07' 49"W	140.60'
111	112	N00° 53' 14"W	179.41'
112	113	S89° 38' 38"E	50.01'
113	114	S00° 53' 14"E	59.37'
114	136	S66° 12' 34"E	59.80'
136	137	S20° 43' 09"E	45.98'
137	115	S76° 11' 23"E	32.09'
115	116	SEE CURVE TABLE	
116	117	S89° 38' 38"E	31.64'
117	118	N89° 40' 44"E	44.57'
118	119	N89° 40' 44"E	91.12'
119	120	N89° 40' 44"E	846.80'
120	121	N89° 40' 44"E	34.68'
121	122	S02° 10' 40"E	123.01'
122	123	S87° 40' 46"W	32.89'
123	124	S87° 40' 46"W	33.11'
124	125	N02° 10' 40"W	10.48'
125	126	N11° 15' 16"W	116.90'
126	119	S89° 40' 44"W	796.99'
119	127	SEE CURVE TABLE	
127	128	S01° 11' 25"E	479.07'
128	129	S54° 21' 16"E	87.46'
129	130	S01° 11' 25"E	220.78'
130	131	S88° 48' 35"W	70.00'
131	132	S01° 11' 25"E	125.78'
132	133	S89° 30' 56"W	35.01'
133	134	S01° 13' 04"E	1012.85'
134	135	S01° 46' 25"E	308.83'
135	100	S89° 47' 21"W	26.96'

R/W Station & Offset Table				
Point No.	Station	Offset	Y	X
100	271+03.55EB	27.01' RT	505651.699	805718.340
101	271+04.09EB	0.00'	505651.749	805691.328
102	271+06.43EB	117.24' LT	505651.967	805574.068
103	271+63.22EB	116.11' LT	505708.774	805574.174
104	278+26.90EB	141.25' LT	506367.923	805525.030
105	284+26.40EB	139.60' LT	506973.928	805512.149
106	284+26.39EB	127.59' LT	506973.871	805524.162
107	286+43.37EB	132.96' LT	507190.869	805519.654
108	289+78.21EB	71.23' LT	507525.460	805582.717
109	293+00.77EB	79.22' LT	507848.054	805576.015
110	295+61.70EB	73.80' LT	508121.191	805601.288
111	295+38.26EB	211.86' LT	508119.057	805460.709
112	296+80.90EB	255.80' LT	508298.441	805457.930
113	296+92.95EB	207.99' LT	508298.130	805507.941
114	296+45.24EB	190.27' LT	508238.764	805508.861
115	296+02.73EB	73.02' LT	508163.978	805611.006
116	297+33.35EB	71.31' LT	508297.234	805652.045
117	297+43.56EB	41.55' LT	508297.038	805683.688
118	297+59.40EB	0.00'	508297.287	805728.262
119	297+95.96EB	84.09' RT	508297.798	805819.376
120	11+24.26NS	0.00' RT	508302.545	806666.162
121	11+20.29NS	34.43' RT	508302.739	806700.840
122	10+00.00NS	32.90' RT	508179.823	806705.515
123	10+00.00NS	0.00'	508178.491	806672.647
124	10+00.00NS	33.11' LT	508177.150	806639.569
125	10+10.48NS	33.08' LT	508187.618	806639.170
126	11+31.56NS	49.35' LT	508302.266	806616.356
127	293+04.61EB	75.74' RT	507851.274	805730.982
128	288+25.69EB	87.60' RT	507372.309	805740.933
129	287+75.00EB	158.87' RT	507321.340	805812.007
130	285+54.28EB	164.34' RT	507100.604	805816.593
131	285+52.55EB	94.36' RT	507099.150	805746.608
132	284+26.81EB	97.47' RT	506973.396	805749.221
133	284+26.37EB	62.47' RT	506973.100	805714.212
134	274+10.68EB	51.54' RT	505960.476	805735.737
135	271+03.17EB	53.96' RT	505651.798	805745.295
136	296+37.27EB	131.18' LT	508214.640	805563.581
137	296+03.20EB	105.10' LT	508171.637	805579.847
1000	296+18.74EB	0.00'	508163.272	805685.873

TLE Station & Offset Table		
Point No.	Station	Offset
T150	289+08.18EB	84.14' LT
T151	289+07.79EB	99.99' LT
T152	289+74.53EB	101.65' LT
T153	289+75.11EB	78.15' LT
T154	291+12.61EB	81.56' LT
T155	293+55.33EB	120.58' LT
T156	294+51.37EB	126.82' LT
T157	296+70.41EB	112.22' LT
T158	297+24.45EB	98.68' LT
T159	11+19.25NS	44.59' RT
T160	10+00.00NS	42.90' RT
T161	279+79.92EB	62.52' RT
T162	279+79.92EB	72.52' RT
T163	277+87.00EB	69.92' RT
T164	277+87.23EB	59.92' RT
T165	273+87.79EB	51.26' RT
T166	271+68.63EB	90.79' RT
T167	271+30.70EB	82.82' RT
T168	271+30.61EB	53.61' RT

R/W CURVE TABLE					
FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD DISTANCE
109	110	1215.92'	274.89'	N05° 17' 11"E	274.30'
115	116	1215.92'	139.51'	N17° 07' 03"E	139.43'
119	127	1060.92'	458.76'	S11° 11' 51"W	455.19'

TPP NUMBER 5954-00-00 - 4.01
AMENDMENT NO. 1
SHEET 2 OF 2

467
5954-00-00 4.01, AMEND. NO 1
PLOT SCALE :
PLOT NAME :
PLOT BY : Scott DeMeuse
PLOT DATE : 1/19/2023 12:16 PM
PLOT DATE :
PLOT DATE :
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETS\PLAN\RW\040101-RP-4.01 AMEND-1.DWG
APPRAISAL PLAT DATE : 01/20/2023

TRANSPORTATION PROJECT PLAT NO: 5954-00-00 - 4.02, AMENDMENT NO. 1

AMENDS PARCELS 11 AND 19 AND REMOVES PARCEL 18 OF TRANSPORTATION PROJECT PLAT 5954-00-00-4.02 RECORDED IN VOLUME 61-074A OF TRANSPORTATION PROJECT PLATS, ON PAGES 447 AND 448, AS DOCUMENT 5862182.

THAT PART OF LOT 1 OF CSM 3144 (RECORDED IN V. 12, P. 190 AS DOC. 1616413), PART OF LOT 2 OF CSM 13672 (RECORDED IN V. 90, P. 14 AS DOC. 5057110), PART OF LOT 1 OF CSM 9080 (RECORDED IN V. 51, P. 44 AS DOC. 3034904), PART OF COUNTY K STORAGE CONDOMINIUM PLAT, PART OF PARK PLACE GARAGE CONDOMINIUM PLAT AND PART OF WESTOR CONDOMINIUM PLAT, LOCATED IN AND ALSO INCLUDING PART OF THE NE 1/4 OF THE NE 1/4 OF SECTION 29 AND PART OF THE NW 1/4 OF THE NW 1/4 OF SECTION 28, ALL IN T 8 N, R 9 E, TOWN OF WESTPORT, DANE COUNTY, WISCONSIN.

RELOCATION ORDER: CTH M, CTH Q - STH 113 (CTH M), (ONCKEN ROAD TO STH 113), DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, DANE COUNTY 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 SUBSECTIONS 83.07 AND 83.08 WISCONSIN STATUTES, DANE COUNTY 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 DANE COUNTY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF DANE COUNTY, PURSUANT TO THE PROVISIONS OF SECTION 83.07 AND 83.08, WISCONSIN STATUTES.

Document # 5883893
Office of Register of Deeds
Dane County, Wisconsin
Received for Record 26th January
2023 at 03:09 o'clock PM
and recorded in vol. 61-082B
of Plats on page 485-486
Kristi Chlebowski, Dep.
Register
Cherylann Mayer, Deputy

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5954-00-00 - 4.02
SHEET 1 OF 2
AMENDMENT NO. 1

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD 83(2011) IN U.S.SURVEY FEET. VALUES SHOWN 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 3/4" X 24" REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF DANE COUNTY.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN VOLUME 61-073B OF TRANSPORTATION PROJECT PLATS, PAGE 445, AS DOCUMENT NO. 5861953.

FOR BASIS TABLE, EASEMENT TABLE, COURSE TABLE AND STATION OFFSET TABLES REFER TO EXTENSION SHEET, RECORDED AS SHEET 2 OF 2.

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 DANE COUNTY.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
5	WISCONSIN DEPARTMENT OF NATURAL RESOURCES	TLE	----	----	----	0.02
4	DOUGLAS T. SHILLINGLAW AND LUANN M. WASHA-SHILLINGLAW	FEE	0.14	----	0.14	----
6	NICHOLAS JOHN REYNEBEAU AND ALLISON NICOLE REYNEBEAU	TLE	----	----	----	0.04
7	RICHARD G. SMITH AND NANCY M. SMITH	FEE	3.59	----	3.59	----
8	DOUGLAS SHILLINGLAW AKA DOUGLAS THOMAS SHILLINGLAW	TLE	----	----	----	0.01
9	JACQUELINE M. STATZ	FEE	0.04	----	0.04	----
11	MICHAEL J. CUPP	FEE/TLE	0.01	----	0.01	0.02
12	DANA C. PURDY AND LORI A. PURDY	FEE	0.10	----	0.10	----
13	THE MENDOTA TRUST	FEE/TLE	0.12	----	0.12	0.03
14	LOEFFELHOLZ TRUST	FEE/TLE	0.04	----	0.04	0.02
16	JANFORT LLC	FEE/TLE	0.03	----	0.03	0.01
17	DONALD G. OLSON AND LINDA K. OLSON	FEE/TLE	0.35	----	0.35	0.09
19	GARY D. HARBORT	TLE	----	----	----	0.15

KL Engineering [A] Better Experience

I, TIMOTHY M. HELD, 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 DANE COUNTY, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

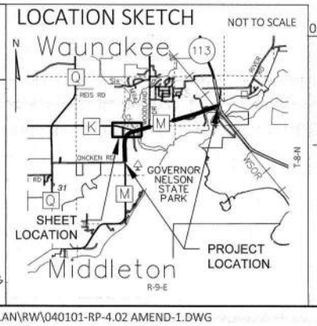
SIGNATURE: _____ DATE: 01/20/2023
PRINT NAME: TIMOTHY M. HELD
REGISTRATION NUMBER: S-2591

WISCONSIN TIMOTHY M. HELD S-2591 MADISON, WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR DANE COUNTY.

SIGNATURE: _____ DATE: 1/26/2023
PRINT NAME: GERALD MANDLI, P.E., COMMISSIONER

LOCATION SKETCH NOT TO SCALE



3/4" REBAR FOUND
PT. #5003
Y = 509621.050
X = 805662.066

BP= STA 65+00.00CK
Y = 509633.766
X = 804334.828

PI = STA 73+52.89CK
Y = 509519.343
X = 805174.941
DELTA = 01°12'10" RT

1 1/4" REBAR FOUND
PT. #5002
Y = 509641.506
X = 803028.048

EP= STA 84+45.92CK
Y = 508909.747
X = 806276.110

1 1/4" REBAR FOUND
PT. #5001
Y = 506973.025
X = 805705.310

PC STA 66+72.18CK
TO PT #1002
L = 166.22'
LCH = 166.14'
LCB = S87°40'00"E
R = 1637.00'

PT #1002
TO PT #217
L = 245.01'
LCH = 244.78'
LCB = S80°28'12"E
R = 1637.00'

PT #1002 TO
PT STA 71+13.29CK
L = 29.88'
LCH = 29.88'
LCB = S75°39'34"E
R = 1637.00'

PI = STA 68+94.08CK
Y = 509637.724
X = 804728.890
DELTA = 15°26'20" RT
D = 03°30'00"
T = 221.90'
L = 441.11'
R = 1637.00'
PC = STA 66+72.18CK
PT = STA 71+13.29CK

PI = STA 82+01.10CK
Y = 509284.599
X = 805990.029
DELTA = 36°35'01" RT
D = 07°12'25"
T = 262.79'
L = 507.61'
R = 795.00'
PC = STA 79+38.31CK
PT = STA 84+45.92CK

PC STA 293+68.57EB
TO PT #244
L = 390.84'
LCH = 388.62'
LCB = N10°47'28"E
R = 1060.00'

PT #244 TO
PT STA 307+45.19EB
L = 985.79'
LCH = 950.65'
LCB = N47°59'46"E
R = 1060.00'

PI = STA 301+73.30EB
Y = 508720.259
X = 805658.707
DELTA = 74°24'36" RT
D = 05°24'19"
T = 804.73'
L = 1376.62'
R = 1060.00'
PC = STA 293+68.57EB
PT = STA 307+45.19EB
DB = N00°13'42"E

PI = STA 11+88.11NS
Y = 508366.447
X = 806665.030
DELTA = 30°36'51" LT
D = 16°22'13"
T = 95.80'
L = 187.01'
R = 350.00'
PC = STA 10+92.31NS
PT = STA 12+79.33NS
DB = N02°19'14"W

PC STA 10+92.31NS
TO PT #234
L = 31.95'
LCH = 31.93'
LCB = N04°56'07"W
R = 350.00'

PT #234 TO
PT STA 12+79.33NS
L = 155.07'
LCH = 153.80'
LCB = N20°14'32"W
R = 350.00'

DANE COUNTY MAG NAIL W/WASHER FOUND
PT. #5004
Y = 509628.368
X = 808300.375

SCALE, FEET 0 100 200

GN

THIS PARCEL PREVIOUSLY ACQUIRED BY DANE COUNTY FOR HIGHWAY PURPOSES AS PARCEL NO. 1 OF PROJECT ID 5954-00-00. DOC 5798355

STA. 306+26.48EB= STA. 18+14.07NS

EP: 86+54.79CK

EP= STA 18+14.07NS
Y = 508895.656
X = 806322.215

POS 229-L

POS 2075 (T158)

POS 4-1784
POS 4766-L

INGRESS/EGRESS EASEMENT
V. 67, P. 483, DOC. 1227791
V. 505, P. 171, DOC. 1393667
V. 30900, P. 57, DOC. 2706376
V. 456, P. 260, DOC. 1372016
V. 456, P. 264, DOC. 1372017
V. 26904, P. 68, DOC. 2585056

PERMANENT LIMITED EASEMENT DOC 5563484

INGRESS/EGRESS EASEMENT DOC 3169547

INGRESS/EGRESS EASEMENT DOC 3169548

LOT 1 CSM 9258 V 52 P 198 DOC 3102615 COUNTY K STORAGE CONDOMINIUM PLAT

LOT 2 CSM 9258 V 52 P 198 DOC 3102615 PARK PLACE CONDOMINIUM PLAT

LOT 3 CSM 9258 V 52 P 198 DOC 3102615 WESTOR CONDOMINIUM PLAT

LOT 1 CSM 13672 V 90 P 14 DOC 5057110

LOT 2 CSM 13672 V 90 P 14 DOC 5057110

LOT 3 CSM 13672 V 90 P 14 DOC 5057110

LOT 1 CSM 9080 V 51 P 44 DOC 3034904

LOT 1 CSM 3144 V 12 P 190 DOC 1616413

TOWN

NE-NE SEC. 29

NW-NW SEC. 28

OF

CTH K

CTH M

SHILLING LANE

SIXTEENTH LINE

SECTION LINE

NORTH SHORE BAY DRIVE

CORNER COURT

WESPORT

SEE SHEET 4.01

SEE SHEET 4.03

SLOPE INTERCEPT (TYP.)

SECTION LINE

CORNER COURT

SNST

(PRIVATE STREET)

TLE - SLOPES 0.01 AC.

TLE - SLOPES 0.03 AC.

TLE - SLOPES 0.02 AC.

TLE - SLOPES 0.24 AC.

TLE - SLOPES 0.09 AC.

TLE - SLOPES 0.11 AC.

TLE - SLOPES 0.08 AC.

TLE - SLOPES 0.04 AC.

TLE - SLOPES 0.15 AC.

TRANSPORTATION PROJECT PLAT NO: 5954-00-00 - 4.02, AMENDMENT NO. 1
EXTENSION SHEET

RELOCATION ORDER: CTH M, CTH Q - STH 113 (CTH M), (ONCKEN ROAD TO STH 113), DANE COUNTY

SHEET 2 OF 2: BASIS TABLE, EASEMENT TABLE, COURSE TABLE AND STATION OFFSET TABLES

4

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD 83(2011) IN U.S.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, RECORDED AS SHEET 2 OF 3, IN VOLUME 61-073B OF TRANSPORTATION PROJECT PLATS, PAGE 445, AS DOCUMENT NO. 5861953.

EASEMENT TABLE

UTILITY NUMBER	OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL NO.
100	TDS TELECOM	16.5' WIDE EASEMENT DOC 3830865	17
100	TDS TELECOM	16.5' WIDE EASEMENT DOC 3830870	13, 14, 16
100	TDS TELECOM	16.5' WIDE EASEMENT DOC 3830871	12
100	TDS TELECOM	16.5' WIDE EASEMENT DOCS 3830871 & 3246669	4
101	MG&E - GAS	10' WIDE EASEMENT DOC 1265167	13, 14, 16
102	MG&E - ELECTRIC	BLANKET EASEMENT DOC 473345	5, 7, 9, 17, 19
102	MG&E - ELECTRIC	BLANKET EASEMENT DOC 578043	7, 17
102	MG&E - ELECTRIC	BLANKET EASEMENT DOCS 578034, 578035, 578037, 578038, 578039, 578040, 578041, 578042 & TRANSFER 1215545	4, 11, 12, 13, 14, 16
102	MG&E - ELECTRIC	10' WIDE EASEMENT DOC 3181444	13, 14, 16
102	MG&E - ELECTRIC	10' WIDE EASEMENT DOC 3867242	16
102	MG&E - ELECTRIC	10' WIDE EASEMENT DOC 1836537	17

HIGHWAY	BASIS OF EXISTING R/W
CTH M	PREVIOUS R/W PROJECT S 0642 (2), 5954-02-01, 5954-02-21, POS 4-1784, POS 4766-L, POS 2004-01554.
CTH K	PREVIOUS R/W PROJECT 810120, CSM 9258, CSM 13672, CSM 9080, POS 2004-01554
SHILLING LANE	PREVIOUS R/W PROJECT 810120, CSM 13672, CSM 9080, CSM 3144.
NORTH SHORE BAY DRIVE	PREVIOUS R/W PROJECT 5954-02-21, POS 229-L

BASIS OF EXISTING ACCESS CONTROL FROM CH. 79 OF DANE COUNTY CODE OF ORDINANCES, CSM 9258 & CSM 13672.

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	TDS TELECOM	RELEASE OF RIGHTS
101	MG&E - GAS	RELEASE OF RIGHTS
102	MG&E - ELECTRIC	RELEASE OF RIGHTS

R/W COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
5001	5003	N00° 56' 08"W	2648.38'
5002	5003	S89° 33' 18"E	2634.10'
5003	5004	N89° 50' 28"E	2638.32'
5001	200	N00° 56' 08"W	1324.19'
200	1001	N00° 56' 08"W	1081.02'
1001	5003	N00° 56' 08"W	243.17'
5002	1002	S89° 33' 18"E	1645.01'
1002	5003	S89° 33' 18"E	989.09'
200	201	N89° 38' 38"W	31.64'
201	202	N89° 38' 38"W	144.11'
202	203	N89° 38' 38"W	50.01'
203	204	N00° 53' 14"W	71.24'
204	205	SEE CURVE TABLE	
205	206	N88° 55' 43"E	33.00'
206	202	S00° 53' 14"E	69.97'
202	201	S89° 38' 38"E	144.11'
201	207	SEE CURVE TABLE	
207	208	N00° 56' 08"W	714.15'
208	209	S76° 03' 42"E	49.00'
209	210	N14° 51' 19"E	225.55'
210	211	N56° 38' 37"W	70.46'
211	212	N75° 13' 52"W	52.49'
212	213	N00° 56' 08"W	5.65'
213	214	N76° 19' 26"W	146.70'
214	215	S75° 57' 24"W	67.83'
215	216	N72° 02' 30"W	546.96'
216	217	N24° 19' 09"W	56.91'
217	218	N24° 19' 09"W	42.56'
218	219	S89° 33' 18"E	51.81'
219	220	S74° 34' 42"E	743.27'
220	221	N00° 56' 08"W	11.45'
221	222	S76° 01' 27"E	269.18'
222	223	S73° 49' 37"E	272.00'
223	224	S15° 49' 36"W	17.00'
224	225	S73° 49' 37"E	502.89'
225	226	N87° 38' 19"E	275.15'
226	227	N74° 38' 24"E	48.19'
227	228	S00° 44' 58"E	81.77'
228	229	S00° 44' 58"E	62.91'
229	230	S74° 38' 24"W	161.41'
230	231	SEE CURVE TABLE	
231	232	S00° 17' 10"E	378.89'
232	233	S02° 10' 40"E	7.43'
233	234	S89° 40' 44"W	34.68'
234	235	S89° 40' 44"W	49.81'
235	236	N23° 28' 32"W	126.24'
236	237	N36° 08' 23"W	205.94'
237	238	S60° 07' 47"W	268.63'
238	239	N88° 53' 05"W	122.75'
239	240	N44° 18' 04"E	151.90'
240	241	N01° 58' 59"W	184.62'
241	243	SEE CURVE TABLE	
243	244	S89° 40' 44"W	91.12'
244	200	S89° 40' 44"W	44.57'

R/W Station & Offset Table

Point No.	Station	Offset	Y	X
200	297+43.56EB	41.55' LT	508297.038	805683.688
201	297+33.35EB	71.31' LT	508297.234	805652.045
202	296+92.95EB	207.99' LT	508298.130	805507.941
203	296+80.90EB	255.80' LT	508298.441	805457.930
204	297+34.53EB	279.53' LT	508369.670	805456.827
205	297+37.55EB	262.77' LT	508367.479	805473.863
206	297+47.36EB	232.07' LT	508368.096	805506.857
207	298+08.53EB	70.86' LT	508371.445	805682.473
208	79+55.50CK	279.55' RT	509085.498	805670.812
209	80+30.31CK	274.37' RT	509073.695	805718.369
210	79+97.45CK	50.29' RT	509291.705	805776.195
211	79+26.38CK	31.41' RT	509330.444	805717.346
212	78+73.91CK	32.60' RT	509343.824	805666.593
213	78+72.26CK	27.19' RT	509349.478	805666.501
214	77+25.69CK	33.31' RT	509384.161	805523.963
215	76+67.01CK	67.34' RT	509367.702	805458.158
216	71+19.37CK	44.39' RT	509536.340	804937.849
217	70+83.41CK	0.00'	509588.205	804914.411
218	70+57.65CK	33.69' LT	509626.993	804896.882
219	71+06.88CK	45.64' LT	509626.590	804948.694
220	78+49.02CK	48.81' LT	509428.939	805665.203
221	78+45.67CK	59.75' LT	509440.385	805665.016
222	80+98.28CK	87.38' LT	509375.376	805926.225
223	83+18.83CK	178.47' LT	509299.614	806187.458
224	83+25.38CK	163.44' LT	509283.258	806182.821
225	310+23.62EB	141.02' LT	509143.183	806665.812
226	312+91.72EB	79.12' LT	509154.520	806940.732
227	313+39.92EB	79.12' LT	509167.286	806987.204
228	313+19.29EB	0.00'	509085.526	806988.274
229	313+03.42EB	60.88' RT	509022.620	806989.097
230	311+42.00EB	60.87' RT	508979.864	806833.450
231	14+36.01NS	203.63' RT	508689.054	806698.665
232	11+27.02NS	35.11' RT	508310.165	806700.558
233	11+20.29NS	34.43' RT	508302.739	806700.840
234	11+24.26NS	0.00'	508302.545	806666.162
235	11+31.56NS	49.35' LT	508302.266	806616.356
236	12+80.65NS	55.00' LT	508418.053	806566.069
237	14+86.26NS	66.51' LT	508584.363	806444.617
238	302+32.87EB	322.01' RT	508450.575	806211.676
239	301+19.97EB	231.78' RT	508452.965	806088.945
240	303+14.00EB	227.02' RT	508561.677	806195.036
241	304+32.68EB	72.79' RT	508746.187	806188.648
243	297+95.96EB	84.09' RT	508297.798	805819.376
244	297+59.40EB	0.00'	508297.287	805728.262
1001	78+63.94CK	0.00'	509377.909	805666.037
1002	68+38.40CK	0.00'	509628.731	804673.009

TLE Station & Offset Table

Point No.	Station	Offset
T250	297+24.45EB	98.68' LT
T251	298+29.44EB	81.56' LT
T252	74+41.24CK	44.22' LT
T253	74+41.07CK	59.22' LT
T254	75+84.06CK	60.83' LT
T255	75+84.23CK	45.83' LT
T256	81+75.88CK	109.49' LT
T257	81+45.26CK	176.80' LT
T258	81+56.15CK	183.76' LT
T259	81+51.74CK	196.06' LT
T260	81+72.11CK	209.84' LT
T261	82+13.99CK	124.03' LT
T262	11+81.89NS	46.63' RT
T263	11+79.67NS	56.31' RT
T264	11+19.25NS	44.59' RT
T265	301+13.19EB	231.90' RT
T266	301+12.38EB	198.91' RT
T267	301+78.65EB	197.59' RT
T268	301+77.48EB	161.10' RT
T269	302+54.96EB	157.03' RT
T270	302+59.67EB	195.59' RT
T271	302+76.80EB	228.13' RT
T272	77+91.66CK	48.16' LT
T273	77+91.61CK	52.66' LT
T274	78+47.65CK	53.29' LT
T275	78+08.76CK	34.07' RT
T276	77+41.72CK	43.48' RT
T277	77+33.02CK	57.54' RT

R/W CURVE TABLE

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD DISTANCE
204	205	60.00'	17.24'	S82° 40' 12"E	17.18'
201	207	1215.92'	80.22'	N22° 17' 40"E	80.21'
230	231	444.50'	327.91'	S24° 52' 00"W	320.53'
241	243	1060.92'	588.39'	S38° 28' 24"W	580.87

TPP NUMBER 5954-00-00 - 4.02
AMENDMENT NO. 1
SHEET 2 OF 2

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\RW\040101-RP-4.02 AMEND-1.DWG
APPRAISAL PLAT DATE : 01/20/2023

PLOT DATE : 1/19/2023 3:44 PM PLOT BY : SCOTT DEMEUSE PLOT NAME : PLOT SCALE : 1 IN:400 FT

Document # 5862183

TRANSPORTATION PROJECT PLAT NO: 5954-00-00 - 4.03

THAT PART OF THE SE 1/4 OF THE SW 1/4, PART OF LOT 1 OF CSM 5316 (RECORDED IN V. 24, P. 142 AS DOC. 2036736) LOCATED IN THE SW 1/4 OF THE SE 1/4 OF SECTION 21, PART OF THE NW 1/4 OF THE NE 1/4 AND PART OF THE NE 1/4 OF THE NW 1/4 OF SECTION 28, ALL IN T 8 N, R 9 E, TOWN OF WESTPORT, DANE COUNTY, WISCONSIN.

RELOCATION ORDER: CTH M, CTH Q - STH 113 (CTH M), (ONCKEN ROAD TO STH 113), DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, DANE COUNTY 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 SUBSECTIONS 83.07 AND 83.08 WISCONSIN STATUTES, DANE COUNTY 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 DANE COUNTY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF DANE COUNTY, PURSUANT TO THE PROVISIONS OF SECTION 83.07 AND 83.08, WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO DANE COUNTY.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
5	WISCONSIN DEPARTMENT OF NATURAL RESOURCES	FEE/TLE	0.79	----	0.79	0.16	----
22	LENA, LLC	FEE	2.53	----	2.53	----	----
23	MUNZ INVESTMENTS, LLC	PLE/TLE	----	----	----	0.26	0.53

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD 83(2011) IN U.S.SURVEY FEET. VALUES SHOWN 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 3/4" X 24" REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF DANE COUNTY.

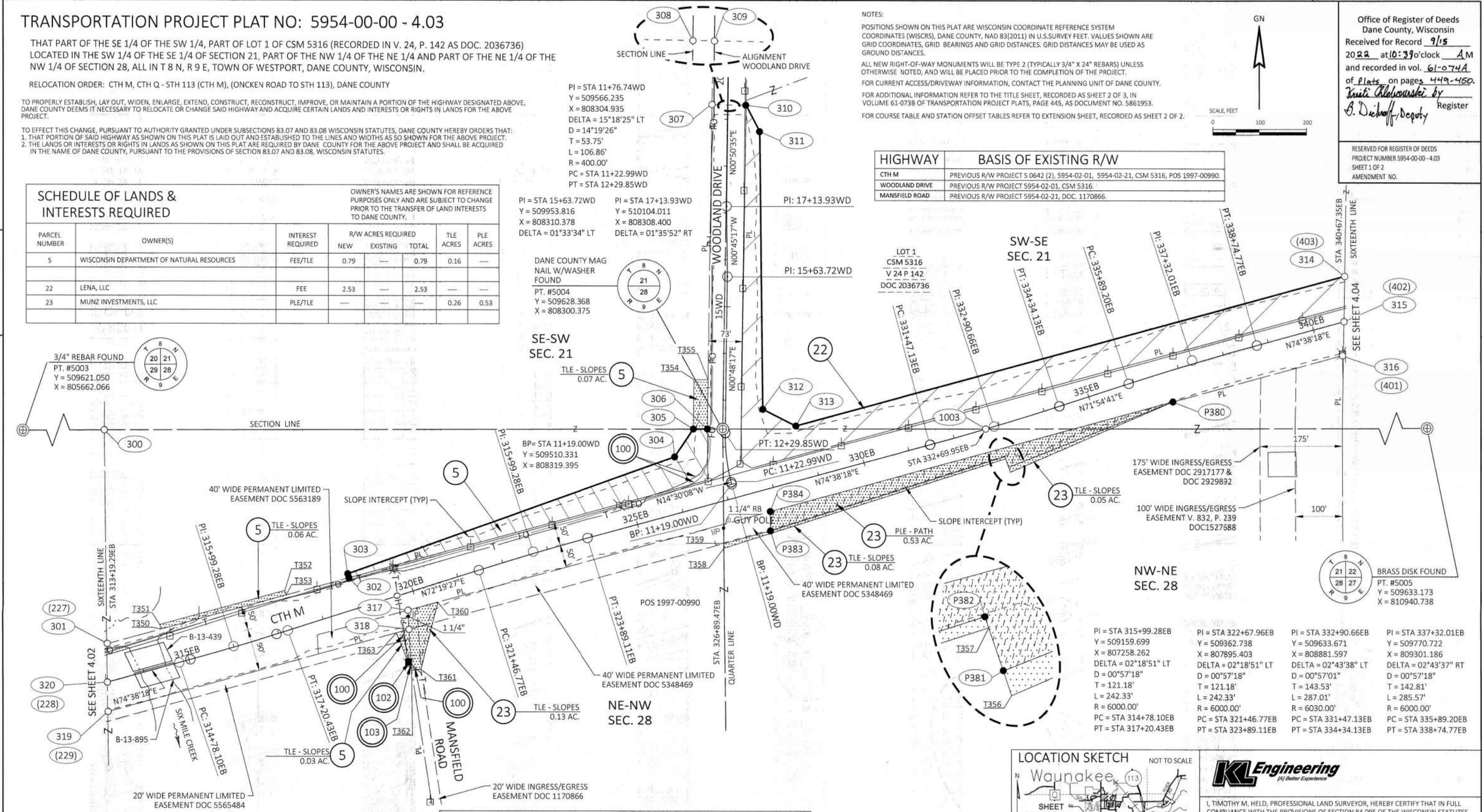
FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN VOLUME 61-073B OF TRANSPORTATION PROJECT PLATS, PAGE 445, AS DOCUMENT NO. 5861953.

FOR COURSE TABLE AND STATION OFFSET TABLES REFER TO EXTENSION SHEET, RECORDED AS SHEET 2 OF 2.

HIGHWAY	BASIS OF EXISTING R/W
CTH M	PREVIOUS R/W PROJECT S 0642 (2), 5954-02-01, 5954-02-21, CSM 5316, POS 1997-00990.
WOODLAND DRIVE	PREVIOUS R/W PROJECT 5954-02-01, CSM 5316.
MANSFIELD ROAD	PREVIOUS R/W PROJECT 5954-02-21, DOC. 1170866.

Office of Register of Deeds
Dane County, Wisconsin
Received for Record 9/15
2022 at 10:39 o'clock AM
and recorded in vol. 61-074A
of Plats on pages 449-460.
Kristi Chlebowski by
Register
A. Dickhoff, Deputy

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5954-00-00 - 4.03
SHEET 1 OF 2
AMENDMENT NO.



PI = STA 315+99.28EB	PI = STA 322+67.96EB	PI = STA 332+90.66EB	PI = STA 337+32.01EB
Y = 509159.699	Y = 509362.738	Y = 509633.671	Y = 509770.722
X = 807258.262	X = 807895.403	X = 808881.597	X = 809301.186
DELTA = 02°18'51" LT	DELTA = 02°18'51" LT	DELTA = 02°43'38" LT	DELTA = 02°43'37" RT
D = 00°57'18"	D = 00°57'18"	D = 00°57'01"	D = 00°57'18"
T = 121.18'	T = 121.18'	T = 143.53'	T = 142.81'
L = 242.33'	L = 242.33'	L = 287.01'	L = 285.57'
R = 6000.00'	R = 6000.00'	R = 6030.00'	R = 6000.00'
PC = STA 314+78.10EB	PC = STA 321+46.77EB	PC = STA 331+47.13EB	PC = STA 335+89.20EB
PT = STA 317+20.43EB	PT = STA 323+89.11EB	PT = STA 334+34.13EB	PT = STA 338+74.77EB

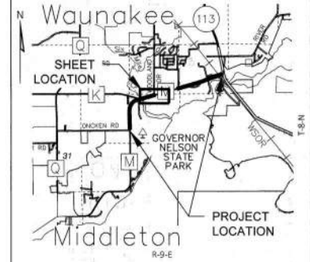
EASEMENT TABLE

UTILITY NUMBER	OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL NO.
100	TDS TELECOM	NO EASEMENT OF RECORD FOUND	5, 23
102	MG&E - ELECTRIC	NO EASEMENT OF RECORD FOUND	5
103	CHARTER COMMUNICATIONS	NO EASEMENT OF RECORD FOUND	5

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	TDS TELECOM	RELEASE OF RIGHTS
102	MG&E - ELECTRIC	RELEASE OF RIGHTS
103	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS

LOCATION SKETCH NOT TO SCALE



KL Engineering [A] Better Experience

I, TIMOTHY M. HELD, 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 DANE COUNTY, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 9/14/2022
PRINT NAME: TIMOTHY M. HELD
REGISTRATION NUMBER: S-2591

WISCONSIN TIMOTHY M. HELD S-2591 MADISON, WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR DANE COUNTY.

SIGNATURE: _____ DATE: 9/14/2022
PRINT NAME: GERALD MANDLI, P.E., COM

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\RW\040101-RP.DWG
APPRAISAL PLAT DATE : 09/14/2022
PLOT DATE : 9/14/2022 11:56 AM
PLOT BY : SCOTT DEMEUSE
PLOT NAME :
PLOT SCALE : 1 IN:200 FT

TRANSPORTATION PROJECT PLAT NO: 5954-00-00 - 4.03
EXTENSION SHEET

RELOCATION ORDER: CTH M, CTH Q - STH 113 (CTH M), (ONCKEN ROAD TO STH 113), DANE COUNTY

SHEET 2 OF 2: COURSE TABLE AND STATION OFFSET TABLES

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD 83(2011) IN U.S.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, RECORDED AS SHEET 2 OF 3, IN VOLUME 61-073B OF TRANSPORTATION PROJECT PLATS, PAGE 445, AS DOCUMENT NO. 5861953.

4

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R/W COURSE TABLE			
FROM POINT	TO POINT	BEARING	DISTANCE
5003	5004	N89° 50' 28"E	2638.32'
5004	5005	N89° 53' 45"E	2640.37'
5003	300	N89° 50' 28"E	1319.16'
300	5004	N89° 50' 28"E	1319.16'
5004	1003	N89° 53' 45"E	560.92'
1003	5005	N89° 53' 45"E	2079.45'
300	301	S00° 44' 58"E	457.46'
301	302	N74° 38' 24"E	535.69'
302	303	N15° 46' 33"W	9.00'
303	304	N70° 10' 43"E	740.08'
304	305	N33° 50' 36"E	71.51'
305	306	N89° 50' 28"E	30.00'
306	307	N00° 51' 52"E	693.34'
307	308	S89° 09' 25"E	33.00'
308	309	S89° 09' 25"E	0.76'
309	310	S89° 09' 25"E	39.24'
310	311	S27° 19' 08"E	63.52'
311	312	S00° 35' 01"E	593.36'
312	313	S63° 04' 29"E	78.63'
313	314	N74° 38' 24"E	1213.53'
314	315	S01° 00' 44"W	96.98'
315	316	S01° 00' 44"W	71.87'
316	317	S74° 38' 24"W	2067.36'
317	318	S03° 22' 26"E	40.89'
318	319	S74° 38' 24"W	666.95'
319	320	N00° 44' 58"W	62.91'
320	301	N00° 44' 58"W	81.77'

PLE COURSE TABLE			
FROM POINT	TO POINT	BEARING	DISTANCE
P380	P381	S68° 07' 38"W	376.48'
P381	P382	N18° 28' 19"W	24.38'
P382	P383	S72° 16' 37"W	524.97'
P383	P384	N00° 33' 07"W	41.37'
P384	P380	N74° 38' 24"E	889.32'

R/W Station & Offset Table				
Point No.	Station	Offset	Y	X
300	314+55.32EB	521.79' LT	509624.709	806981.221
301	313+39.92EB	79.12' LT	509167.286	806987.204
302	318+78.54EB	67.89' LT	509309.182	807503.758
303	318+78.84EB	76.88' LT	509317.843	807501.312
304	326+13.86EB	118.66' LT	509568.797	808197.547
305	12+37.11WD	68.42' LT	509628.193	808237.374
306	12+37.61WD	38.43' LT	509628.277	808267.374
307	19+30.99WD	33.76' LT	510321.542	808277.836
308	19+30.99WD	0.76' LT	510321.056	808310.833
309	19+30.99WD	0.00'	510321.045	808311.594
310	19+30.99WD	39.24' RT	510320.468	808350.828
311	18+74.99WD	69.22' RT	510264.034	808379.980
312	12+81.70WD	79.61' RT	509670.701	808386.024
313	328+80.77EB	114.08' LT	509635.093	808456.134
314	340+94.69EB	93.05' LT	509956.537	809626.312
315	340+67.35EB	0.00'	509859.572	809624.599
316	340+47.09EB	68.95' RT	509787.717	809623.329
317	319+77.68EB	36.20' RT	509240.106	807629.820
318	319+67.58EB	75.83' RT	509199.286	807632.226
319	313+03.42EB	60.88' RT	509022.620	806989.097
320	313+19.29EB	0.00'	509085.526	806988.274
1003	332+69.95EB	0.00'	509629.389	808861.290

PLE Station & Offset Table				
Point No.	Station	Offset	Y	X
P380	336+67.62EB	65.40' RT	509687.810	809259.629
P381	332+93.25EB	92.43' RT	509547.555	808910.253
P382	332+92.53EB	68.06' RT	509570.680	808902.528
P383	327+69.63EB	87.92' RT	509410.869	808402.472
P384	327+80.20EB	47.92' RT	509452.242	808402.073

TLE Station & Offset Table		
Point No.	Station	Offset
T350	314+59.98EB	79.12' LT
T351	314+59.98EB	89.12' LT
T352	317+40.24EB	83.49' LT
T353	317+39.84EB	73.50' LT
T354	13+42.84EB	68.37' LT
T355	13+43.26EB	38.37' LT
T356	332+93.54EB	103.55' RT
T357	332+92.74EB	73.05' RT
T358	326+63.67EB	97.63' RT
T359	326+66.24EB	87.91' RT
T360	320+43.83EB	38.88' RT
T361	319+65.76EB	164.76' RT
T362	319+46.01EB	160.44' RT
T363	319+39.25EB	74.68' RT

TPP NUMBER 5954-00-00 - 4.03
SHEET 2 OF 2

TRANSPORTATION PROJECT PLAT NO: 5954-00-00 - 4.04 AMENDMENT NO. 1

AMENDS PARCELS 24, 27, 28 AND 29 AND ADDS PARCELS 24A AND 29A TO TRANSPORTATION PROJECT PLAT 5954-00-00 - 4.04 RECORDED IN VOLUME 61-074A OF TRANSPORTATION PROJECT PLATS, ON PAGES 451 AND 452, AS DOCUMENT NUMBER 5862184.

THAT PART OF LOT 1 OF CSM 5316 (RECORDED IN V. 24, P. 124 AS DOC. 2036736), PART OF LOT 1 OF CSM 3864 (RECORDED IN V. 16, P. 62 AS DOC. 1729072) AND PART OF OUTLOT 1 OF CSM 5322 (RECORDED IN V. 24, P. 153 AS DOC. 2037981) LOCATED IN AND ALSO INCLUDING PART OF THE SE 1/4 OF THE SE 1/4 OF SECTION 21, PART OF THE NW 1/4 OF THE SW 1/4 OF SECTION 22, AND PART OF THE SW 1/4 OF THE SW 1/4 OF SECTION 22, ALL IN T 8 N, R 9 E, TOWN OF WESTPORT, DANE COUNTY WISCONSIN.

KL Engineering [A] Better Experience

I, TIMOTHY M. HELD, 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 DANE COUNTY, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 5/09/2023
PRINT NAME: TIMOTHY M. HELD
REGISTRATION NUMBER: S-2591

WISCONSIN TIMOTHY M. HELD S-2591 MADISON, WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR DANE COUNTY.

SIGNATURE: _____ DATE: 5/9/23
PRINT NAME: PAM DUNPHY, P.E., INTERIM COMMISSIONER

Office of Register of Deeds
Dane County, Wisconsin
Received for Record May 9th
2023 at 2:57 o'clock PM
and recorded in vol. 61-087A
of Plats on pages 505-506
Kristi Chlebowski by
S. Dickhoff Deputy Register
Document # 5900294

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5954-00-00 - 4.04
SHEET 1 OF 2
AMENDMENT NO. 1

GN

SCALE, FEET
0 100 200

T 8 N R 9 E 21 22

BRASS DISK FOUND
PT. #5006
Y = 512278.148
X = 810994.281

RELOCATION ORDER: CTH M, CTH Q - STH 113 (CTH M), (ONCKEN ROAD TO STH 113), DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, DANE COUNTY 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 SUBSECTIONS 83.07 AND 83.08 WISCONSIN STATUTES, DANE COUNTY 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 DANE COUNTY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF DANE COUNTY, PURSUANT TO THE PROVISIONS OF SECTION 83.07 AND 83.08, WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD 83(2011) IN U.S.SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

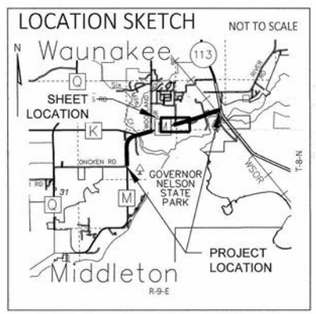
ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF DANE COUNTY.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN VOLUME 61-073B OF TRANSPORTATION PROJECT PLATS, PAGE 445, AS DOCUMENT NO. 5861953.

FOR BASIS TABLE, EASEMENT TABLE, COURSE TABLE AND STATION OFFSET TABLES FEFER TO EXTENSION SHEET, RECORDED AS SHEET 2 OF 2.

LOCATION SKETCH NOT TO SCALE



LOT 1
CSM 5316
V 24 P 142
DOC 2036736

TOWN

SE-SE SEC. 21

NW-SW SEC. 22

SW-SW SEC. 22

MARY LAKE ROAD

KUPFER ROAD

WILLOW ROAD

SECTION LINE

SIXTEENTH LINE

1/2" SPIKE

TLE - WETLAND MITIGATION 1.92 AC.

PLE - STORMWATER 0.97 AC.

0.35 AC.

0.39 AC.

0.89 AC.

1.02 AC.

FEE 1.31 AC.

FEE 0.10 AC.

TLE - SLOPES 0.07 AC.

FEE - SHARED USE PATH 0.30 AC.

PLE - ACCESS 0.05 AC.

PLE - ACCESS 0.04 AC.

PLE - ACCESS 0.05 AC.

PLE - ACCESS 0.03 AC.

FEE - SHARED USE PATH 0.20 AC.

(1 UNDERGROUND TELEPHONE LINE LOCATED IN PARCELS 27, 28 & 29)

INGRESS/EGRESS EASEMENT DOC. 1109367

SLOPE INTERCEPT (TYP)

C/L SHARED USE PATH

OF CTH M

SEE SHEET 4.03

SEE SHEET 4.05

POS 2002-00298

EXIST R/W

DANE COUNTY MAG NAIL W/WASHER FOUND
PT. #5004
Y = 509628.368
X = 808300.375

PI = STA 346+20.40EB
Y = 510006.082
X = 810157.893
DELTA = 02°47'41" RT
D = 00°57'18"
T = 146.36'
L = 292.66'
R = 6000.00'
PC = STA 344+74.05EB
PT = STA 347+66.70EB

PI = STA 351+53.61EB
Y = 510122.110
X = 810678.379
DELTA = 02°47'41" LT
D = 00°57'18"
T = 146.36'
L = 292.66'
R = 6000.00'
PC = STA 350+07.25EB
PT = STA 352+99.90EB

OUTLOT 1
CSM 5322
V 24 P 153
DOC 2037981

BRASS DISK FOUND
PT. #5005
Y = 509633.173
X = 810940.738

PI = STA 365+26.89EB
Y = 510485.924
X = 812002.656
DELTA = 01°43'58" LT

WESTPORT

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 DANE COUNTY.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
5	WISCONSIN DEPARTMENT OF NATURAL RESOURCES	FEE/TLE	1.41	----	1.41	1.99	----
22	LENA, LLC	FEE	0.95	----	0.95	----	----
24	TOWN OF WESTPORT	FEE/PLE	2.65	0.11	2.76	----	1.02
24A	TOWN OF WESTPORT	FEE	0.30	----	0.30	----	----
26	BETHEL S. BERG	FEE	0.03	----	0.03	----	----
27	JOHN B. WESTON, PAUL G. GERNON, DAVID R. GERNON, AND STANLEY A. JOHNSON	FEE/PLE	0.04	----	0.04	----	0.05
28	JOHN R. KULCYK AND JOANN M. KULCYK	FEE/PLE	0.03	----	0.03	----	0.03
29	STEPHEN L. SCHLECHT AND MARIANNE M. SCHLECHT	FEE/PLE	0.48	----	0.48	----	0.04
29A	STEPHEN L. SCHLECHT AND MARIANNE M. SCHLECHT	FEE	0.20	----	0.20	----	----

TRANSPORTATION PROJECT PLAT NO: 5954-00-00 - 4.04 AMENDMENT NO. 1
EXTENSION SHEET

RELOCATION ORDER: CTH M, CTH Q - STH 113 (CTH M), (ONCKEN ROAD TO STH 113), DANE COUNTY

SHEET 2 OF 2: BASIS TABLE, EASEMENT TABLE, COURSE TABLE AND STATION OFFSET TABLES

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD 83(2011) IN U.S.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, RECORDED AS SHEET 2 OF 3, IN VOLUME 61-073B OF TRANSPORTATION PROJECT PLATS, PAGE 445, AS DOCUMENT NO. 5861953.

EASEMENT TABLE

UTILITY NUMBER	OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL NO.
100	TDS TELECOM	BLANKET EASEMENT DOC 1275521	22
100	TDS TELECOM	BLANKET EASEMENT DOC 1275522	29, 29A
100	TDS TELECOM	16.5' WIDE EASEMENT DOC 3562865	29, 29A
101	MG&E - GAS	NO EASEMENT OF RECORD FOUND	28, 29
102	MG&E - ELECTRIC	BLANKET EASEMENT DOC 496008	24, 26
102	MG&E - ELECTRIC	NO EASEMENT OF RECORD FOUND	29
104	AT&T	NO EASEMENT OF RECORD FOUND	27, 28, 29
105	TOWN OF WESTPORT SANITARY SEWER	EASEMENT DOC 1784314	29

HIGHWAY	BASIS OF EXISTING R/W
CTH M	PREVIOUS PROJECT S 0642 (2), 5954-02-01, CSM 3864, CSM 5316, CSM 5322.
MARY LAKE ROAD	PREVIOUS PROJECT S 0642 (2), 5954-02-01, CSM 3864.
KUPFER ROAD	PREVIOUS PROJECT 5954-02-01, CSM 5322.

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	TDS TELECOM	RELEASE OF RIGHTS
101	MG&E - GAS	RELEASE OF RIGHTS
102	MG&E - ELECTRIC	RELEASE OF RIGHTS
104	AT&T	RELEASE OF RIGHTS
105	TOWN OF WESTPORT SANITARY SEWER	RELEASE OF RIGHTS

R/W COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
5004	5005	N89° 53' 45"E	2640.36'
5005	5006	N01° 09' 35"E	2645.52'
5004	400	N89° 53' 45"E	1320.18'
400	5005	N89° 53' 45"E	1320.18'
5005	1004	N01° 09' 35"E	564.27'
1004	408	N01° 09' 35"E	289.19'
408	5006	N01° 09' 35"E	1792.06'
400	401	N01° 00' 44"E	156.97'
401	402	N01° 00' 44"E	71.87'
402	403	N01° 00' 44"E	96.98'
403	404	N72° 45' 41"E	572.40'
404	405	N77° 53' 41"E	647.48'
405	406	N37° 29' 50"E	188.11'
406	407	N00° 41' 03"E	75.71'
407	408	S89° 18' 57"E	36.52'
408	409	S89° 18' 57"E	29.48'
409	410	S56° 12' 19"E	204.43'
410	411	N74° 38' 24"E	62.04'
411	412	N86° 11' 57"E	87.08'
412	413	N74° 38' 24"E	391.73'
413	414	N75° 43' 37"W	97.99'
414	415	N74° 38' 24"E	733.60'
415	416	S01° 09' 32"W	142.16'
416	417	S01° 09' 33"W	81.53'
417	418	S74° 38' 24"W	164.53'
418	419	S43° 01' 48"W	109.17'
419	420	S86° 00' 16"W	120.03'
420	421	S76° 03' 49"W	304.61'
421	422	S74° 38' 24"W	516.05'
422	423	S63° 18' 30"W	136.81'
423	424	N18° 31' 44"W	12.12'
424	425	S79° 38' 02"W	121.30'
425	426	S14° 47' 39"E	12.04'
426	427	S79° 38' 02"W	784.06'
427	401	S74° 38' 24"W	525.42'
419	428	N76° 43' 28"W	40.42'
428	429	S86° 00' 16"W	82.47'
429	430	S76° 03' 49"W	305.65'
430	431	S74° 38' 25"W	517.54'
431	424	S63° 18' 30"W	136.28'
424	425	S79° 38' 02"W	121.30'
425	432	S79° 38' 02"W	645.81'
432	401	S74° 38' 24"W	663.27'

PLE COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
P480	P481	N01° 09' 31"E	109.29'
P481	P482	S88° 13' 04"E	377.75'
P482	P483	N77° 43' 59"E	119.70'
P483	P484	N47° 23' 44"E	323.36'
P484	406	S00° 41' 03"W	59.73'
406	405	S37° 29' 50"W	188.11'
405	P480	S77° 53' 41"W	633.63'
424	423	S18° 31' 44"E	12.12'
423	P485	S26° 23' 15"W	109.33'
P485	P486	N88° 51' 57"W	51.73'
P486	426	N14° 47' 39"W	77.52'
426	425	N14° 47' 39"W	12.04'
425	424	N79° 38' 02"E	121.30'

R/W Station & Offset Table

Point No.	Station	Offset	Y	X
400	340+02.85EB	219.56' RT	509630.771	809620.557
401	340+47.10EB	68.95' RT	509787.717	809623.329
402	340+67.36EB	0.00' RT	509859.572	809624.599
403	340+94.70EB	93.05' LT	509956.537	809626.312
404	346+63.20EB	114.83' LT	510126.168	810172.995
405	353+13.74EB	101.01' LT	510261.950	810806.082
406	354+63.69EB	214.59' LT	510411.193	810920.589
407	354+84.62EB	287.35' LT	510486.893	810921.493
408	355+19.72EB	277.25' LT	510486.457	810958.011
409	355+48.05EB	269.10' LT	510486.105	810987.488
410	356+81.74EB	114.45' LT	510372.397	811157.376
411	357+43.78EB	114.45' LT	510388.829	811217.196
412	358+29.09EB	97.00' LT	510394.602	811304.085
413	362+20.82EB	96.99' LT	510498.365	811681.822
414	361+35.65EB	145.44' LT	510522.524	811586.855
415	368+73.49EB	135.00' LT	510716.843	812294.251
416	368+28.96EB	0.00' RT	510574.715	812291.375
417	368+03.43EB	77.42' RT	510493.205	812289.726
418	366+38.97EB	72.44' RT	510449.625	812131.077
419	365+44.31EB	126.82' RT	510369.823	812056.582
420	364+30.47EB	102.58' RT	510361.459	811936.848
421	361+25.95EB	95.01' RT	510288.095	811641.205
422	356+09.90EB	94.99' RT	510151.400	811143.584
423	354+75.75EB	121.87' RT	510089.945	811021.349
424	354+75.08EB	109.77' RT	510101.439	811017.497
425	353+54.24EB	99.21' RT	510079.612	810898.172
426	353+54.12EB	111.24' RT	510067.975	810901.245
427	345+73.65EB	68.15' RT	509926.892	810129.978
428	365+12.67EB	106.87' RT	510379.104	812017.244
429	364+31.81EB	90.61' RT	510373.357	811934.971
430	361+26.25EB	83.01' RT	510299.742	811638.315
431	356+08.71EB	82.99' RT	510162.656	811139.257
432	347+12.99EB	64.26' RT	509963.406	810262.904
1004	354+37.47EB	0.00' RT	510197.324	810952.158

PLE Station & Offset Table

Point No.	Station	Offset	Y	X
P480	346+76.78EB	114.50' LT	510129.074	810186.542
P481	347+03.33EB	220.33' LT	510238.339	810188.752
P482	350+68.25EB	126.06' LT	510226.590	810566.322
P483	351+90.45EB	122.99' LT	510252.024	810683.294
P484	354+80.20EB	271.99' LT	510470.918	810921.302
P485	354+02.95EB	203.44' RT	509992.003	810972.757
P486	353+53.35EB	188.75' RT	509993.027	810921.039

TLE Station & Offset Table

Point No.	Station	Offset
T450	362+53.34EE	145.44' LT
T451	362+53.35EE	305.44' LT
T452	361+68.60EE	305.44' LT
T453	362+10.23EE	455.44' LT
T454	364+53.66EE	455.44' LT
T455	364+61.94EE	485.27' LT
T456	366+58.67EE	481.62' LT
T457	366+03.30EE	303.26' LT
T458	363+43.35EE	305.44' LT
T459	363+43.34EE	145.44' LT
T460	367+96.90EE	97.24' RT
T461	366+38.27EE	92.43' RT

TPP NUMBER 5954-00-00 - 4.04
AMENDMENT NO. 1
SHEET 2 OF 2

Document# 5862185

TRANSPORTATION PROJECT PLAT NO: 5954-00-00 - 4.05

THAT PART OF YAHARA CROSSING CENTRE A CONDOMINIUM PLAT AND PART OF LOT 2 OF CSM 8100 (RECORDED IN V. 43, P. 168 AS DOC. 2738748) LOCATED IN THE SE 1/4 OF THE SW 1/4 OF SECTION 22, T 8 N, R 9 E, TOWN OF WESTPORT, DANE COUNTY WISCONSIN.

RELOCATION ORDER: CTH M, CTH Q - STH 113 (CTH M), (ONCKEN ROAD TO STH 113), DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, DANE COUNTY 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 SUBSECTIONS 83.07 AND 83.08 WISCONSIN STATUTES, DANE COUNTY 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 DANE COUNTY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF DANE COUNTY, PURSUANT TO THE PROVISIONS OF SECTION 83.07 AND 83.08, WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO DANE COUNTY.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES
33	YAHARA CROSSING, LLC	FEE	0.06	----	0.06	0.06
34	FIRST ACTIVE SENIORS CORPORATION - IV	TLE	----	----	----	0.01

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD 83(2011) IN U.S.SURVEY FEET. VALUES SHOWN 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 3/4" X 24" REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF DANE COUNTY.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3, IN VOLUME 61-073B OF TRANSPORTATION PROJECT PLATS, PAGE 445, AS DOCUMENT NO. 5861953.

TLE Station & Offset Table		
Point No.	Station	Offset
T550	10+84.25WR	50.21' RT
T551	10+65.65WR	56.30' RT
T552	370+43.96EB	58.45' RT
T553	369+57.96EB	81.94' RT

PI = STA 11+18.06WR
Y = 510674.252
X = 813305.890
DELTA = 58°54'02" LT
D = 31°49'52"
T = 101.63'
L = 185.04'
R = 180.00'
PC = STA 10+16.43WR
PT = STA 12+01.47WR

PC STA 10+16.43WR
TO PT #112
L = 27.00'
LCH = 26.97'
LCB = N39°15'33"E
R = 180.00'

PT #112 TO
PT STA 12+01.47WR
L = 158.05'
LCH = 153.02'
LCB = N09°48'33"E
R = 180.00'

PI = STA 383+43.58EB
Y = 510985.354
X = 813749.147
DELTA = 10°03'42" LT
D = 01°59'59"
T = 252.21'
L = 503.11'
R = 2865.00'
PC = STA 380+91.37EB
PT = STA 385+94.49EB

PC STA 380+91.37EB
TO PT #507
L = 130.19'
LCH = 130.18'
LCB = N73°21'13"E
R = 2865.00'

PT #507 TO
PT #1005
L = 54.23'
LCH = 54.23'
LCB = N71°30'34"E
R = 2865.00'

PT #1005 TO
PT STA 385+94.49EB
L = 318.69'
LCH = 318.53'
LCB = N67°46'50"E
R = 2865.00'

BRASS DISK FOUND
PT. #5005
Y = 509633.173
X = 810940.738

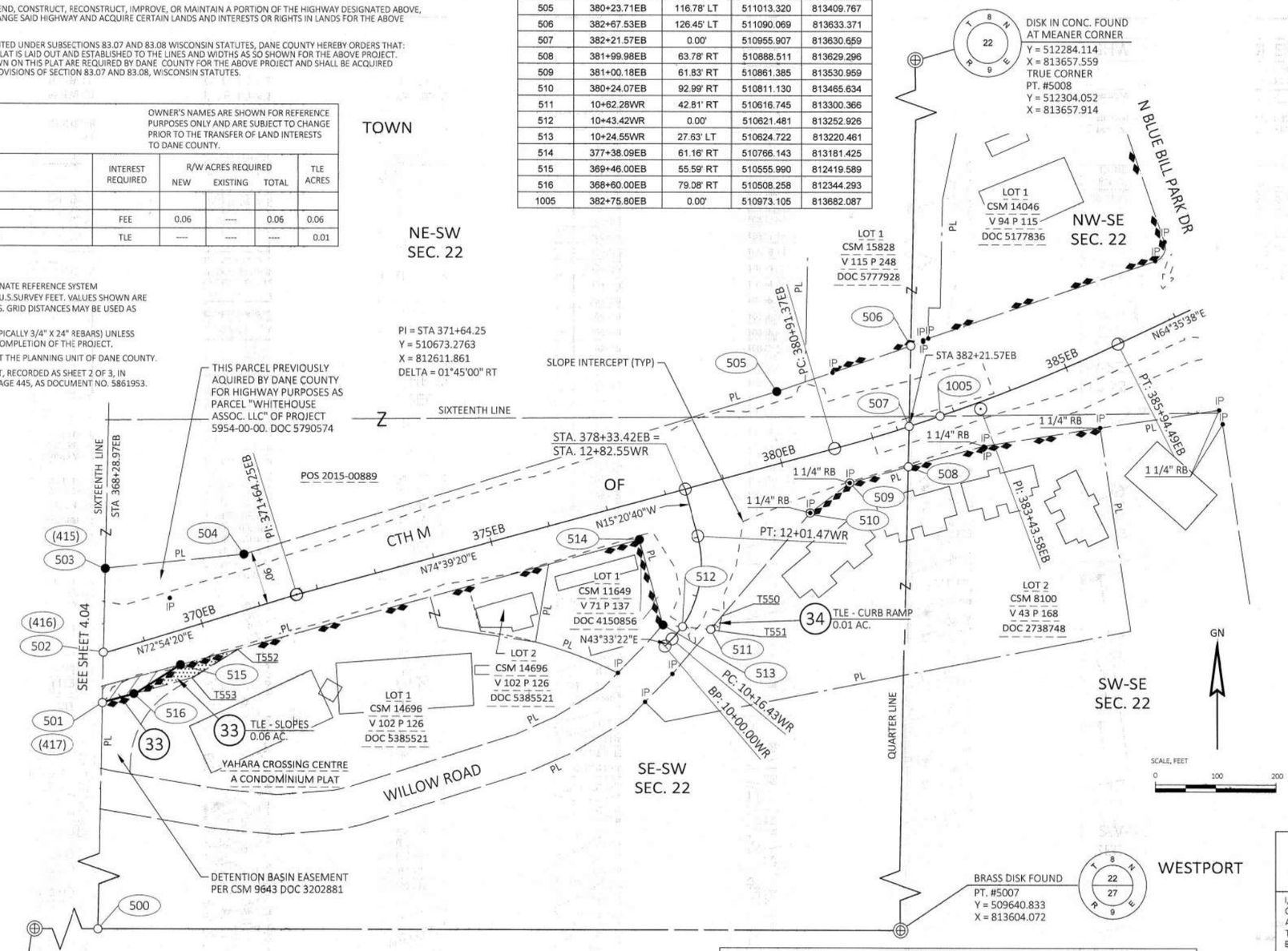
R/W Station & Offset Table				
Point No.	Station	Offset	Y	X
500	365+35.18EB	890.71' RT	509637.004	812272.405
501	368+03.42EB	77.42' RT	510493.205	812289.726
502	368+28.95EB	0.00'	510574.715	812291.375
503	368+73.49EB	135.00' LT	510716.843	812294.251
504	371+00.01EB	90.00' LT	510740.417	812523.994
505	380+23.71EB	116.78' LT	511013.320	813409.767
506	382+67.53EB	126.45' LT	511090.069	813633.371
507	382+21.57EB	0.00'	510955.907	813630.659
508	381+99.98EB	63.78' RT	510888.511	813629.296
509	381+00.18EB	61.83' RT	510861.385	813530.959
510	380+24.07EB	92.99' RT	510811.130	813465.634
511	10+62.28WR	42.81' RT	510616.745	813300.366
512	10+43.42WR	0.00'	510621.481	813252.926
513	10+24.55WR	27.63' LT	510624.722	813220.461
514	377+38.09EB	61.16' RT	510766.143	813181.425
515	369+46.00EB	55.59' RT	510555.990	812419.589
516	368+60.00EB	79.08' RT	510508.258	812344.293
1005	382+75.80EB	0.00'	510973.105	813682.087

HIGHWAY	BASIS OF EXISTING R/W
CTH M	PREVIOUS R/W PROJECT T 0219 (2), CSM 15828, CSM 14046, CSM 14696, CSM 11649, POS 2015-00889.
WILLOW ROAD	CSM 14696, CSM 11649, CSM 8100.

BASIS OF EXISTING ACCESS CONTROL FROM CH. 79 OF DANE COUNTY CODE OF ORDINANCES, CSM 8100, CSM 11649 , CSM 15828, CSM 14046 & CSM 14696

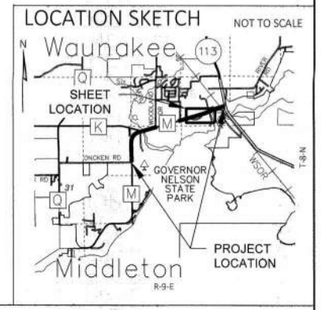
Office of Register of Deeds
Dane County, Wisconsin
Received for Record 9/15
2022 at 10:39 o'clock AM
and recorded in vol. 61-074A
of Plats on page 453.
Kristi Chlebowski by
S. Detroff, Deputy Register

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5954-00-00 - 4.05
SHEET 1 OF 1
AMENDMENT NO.



R/W COURSE TABLE			
FROM POINT	TO POINT	BEARING	DISTANCE
5005	5007	N89° 50' 07"E	2663.34'
5007	5008	N01° 09' 29"E	2663.76'
5005	500	N89° 50' 07"E	1331.67'
500	5007	N89° 50' 07"E	1331.67'
5007	507	N01° 09' 29"E	1315.34'
507	5008	N01° 09' 29"E	1348.42'
500	501	N01° 09' 32"E	856.38'
501	502	N01° 09' 32"E	81.53'
502	503	N01° 09' 32"E	142.16'
503	504	N84° 08' 29"E	230.95'
504	505	N72° 52' 34"E	926.86'
505	506	N71° 03' 22"E	236.41'
506	507	S01° 09' 29"W	134.19'
507	508	S01° 09' 29"W	67.41'
508	509	S74° 34' 43"W	102.01'
509	510	S52° 25' 43"W	82.42'
510	511	S40° 22' 18"W	255.14'
511	512	N84° 17' 57"W	47.68'
512	513	N84° 17' 57"W	32.63'
513	514	N15° 25' 51"W	146.71'
514	515	S74° 34' 42"W	790.29'
515	516	S57° 37' 40"W	89.15'
516	501	S74° 34' 42"W	56.61'

LOCATION SKETCH NOT TO SCALE



EASEMENT TABLE

UTILITY NUMBER	OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL NO.
102	MG&E - ELECTRIC	BLANKET EASEMENT DOC 595378	34

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
102	MG&E - ELECTRIC	RELEASE OF RIGHTS

KL Engineering [A] Better Experience

I, TIMOTHY M. HELD, 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 DANE COUNTY, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

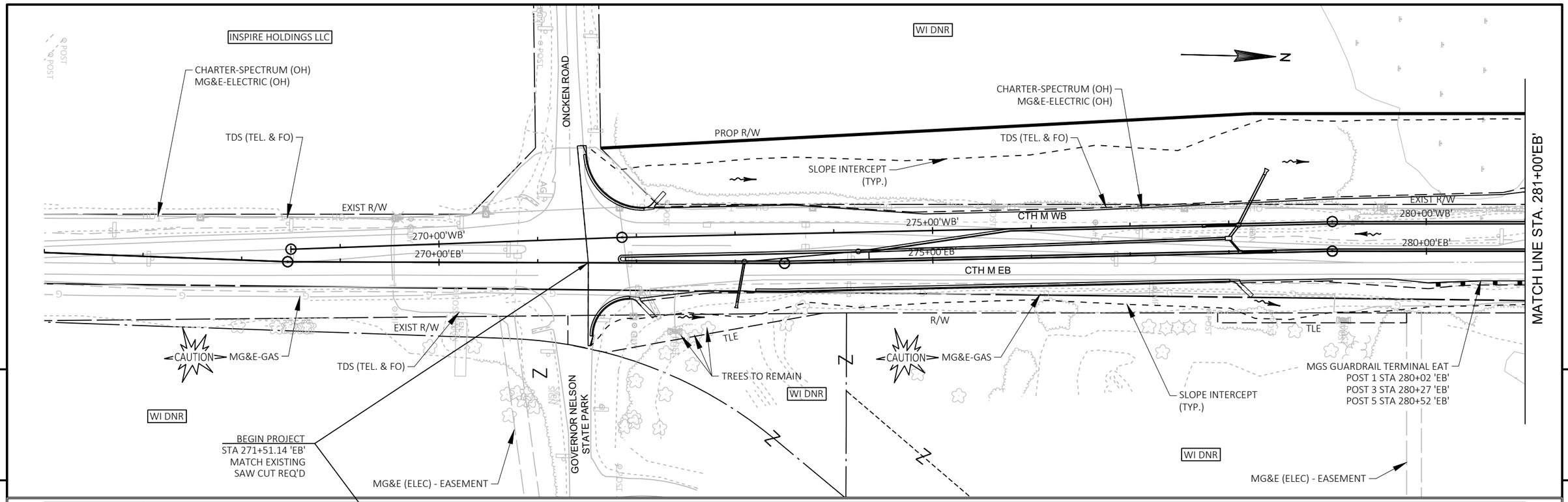
SIGNATURE: _____ DATE: 9/14/2022
PRINT NAME: TIMOTHY M. HELD
REGISTRATION NUMBER: S-2591

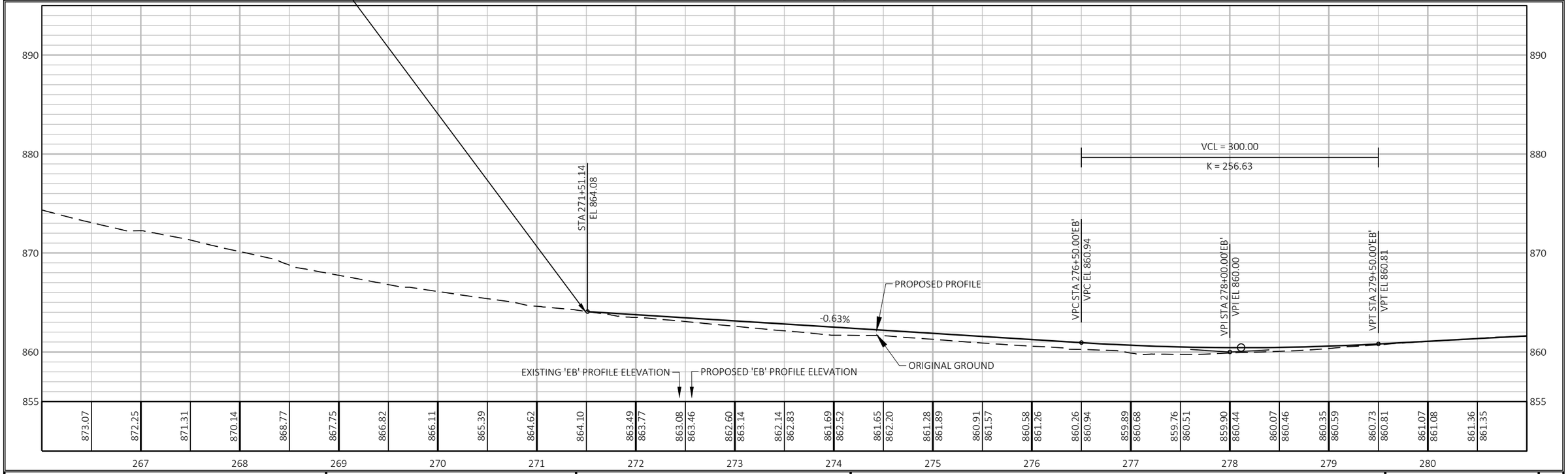
WISCONSIN TIMOTHY M. HELD S-2591 MADISON, WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR DANE COUNTY.

SIGNATURE: _____ DATE: 9/14/2022
PRINT NAME: GERALD MANDLI, P.E., COMM

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\RW\040101-RP.DWG
APPRAISAL PLAT DATE : 09/14/2022
PLOT DATE : 9/14/2022 11:57 AM
PLOT BY : SCOTT DEMEUSE
PLOT NAME :
PLOT SCALE : 1 IN:200 FT



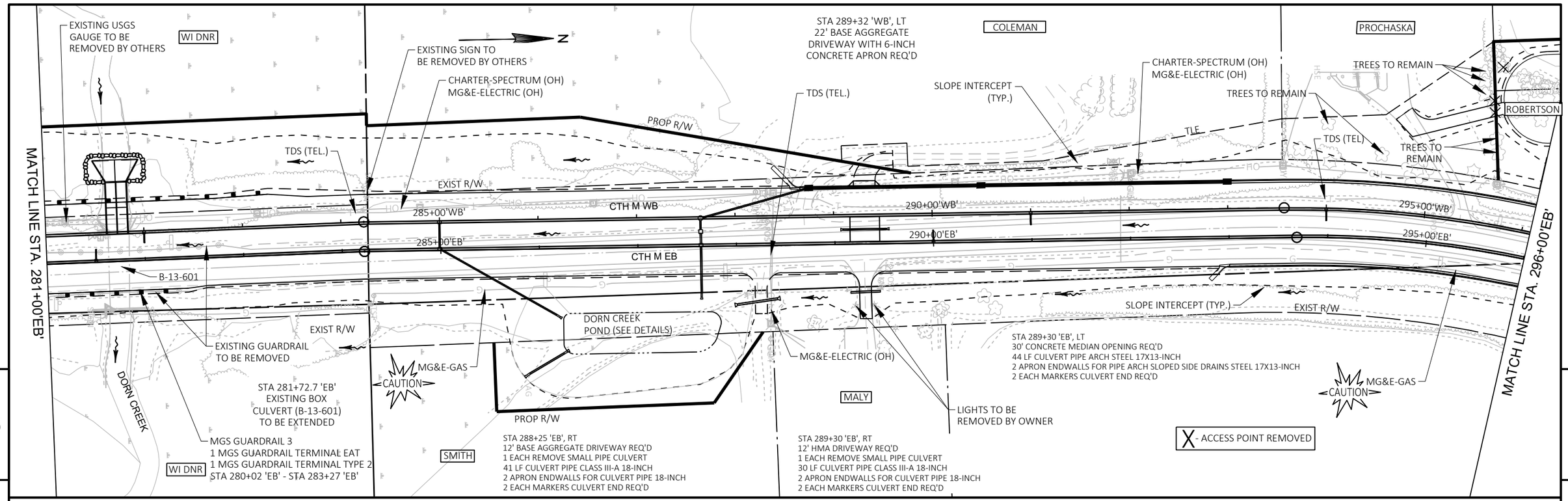


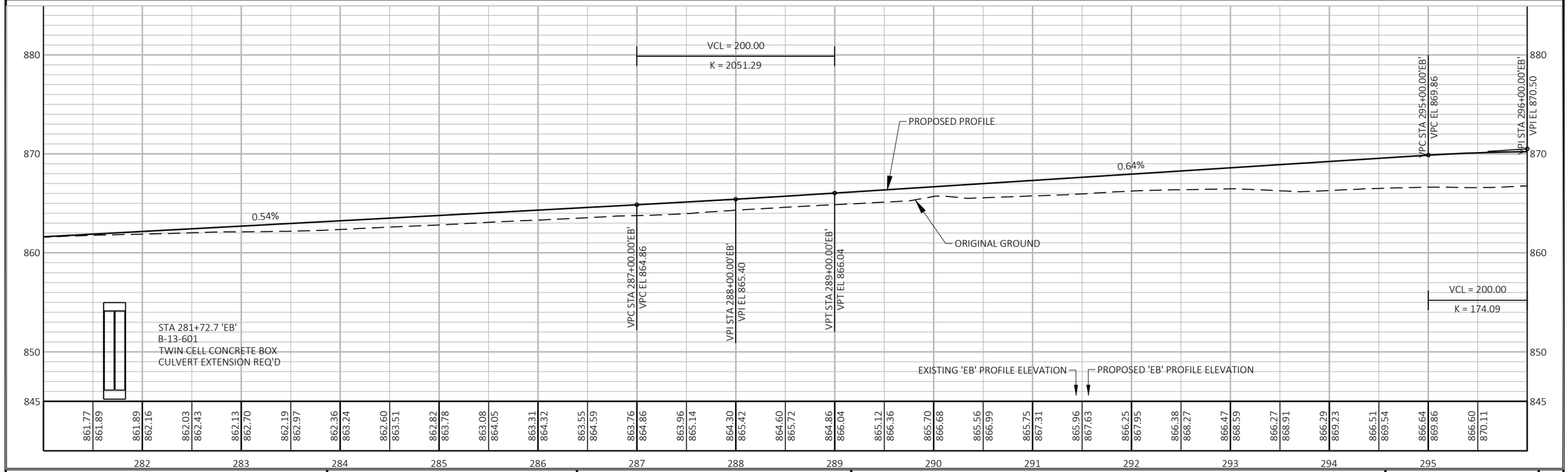
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: CTH M - EB	SHEET 475	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (CTH M EB).DWG
LAYOUT NAME - 050111

PLOT DATE : 4/11/2023 1:25 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

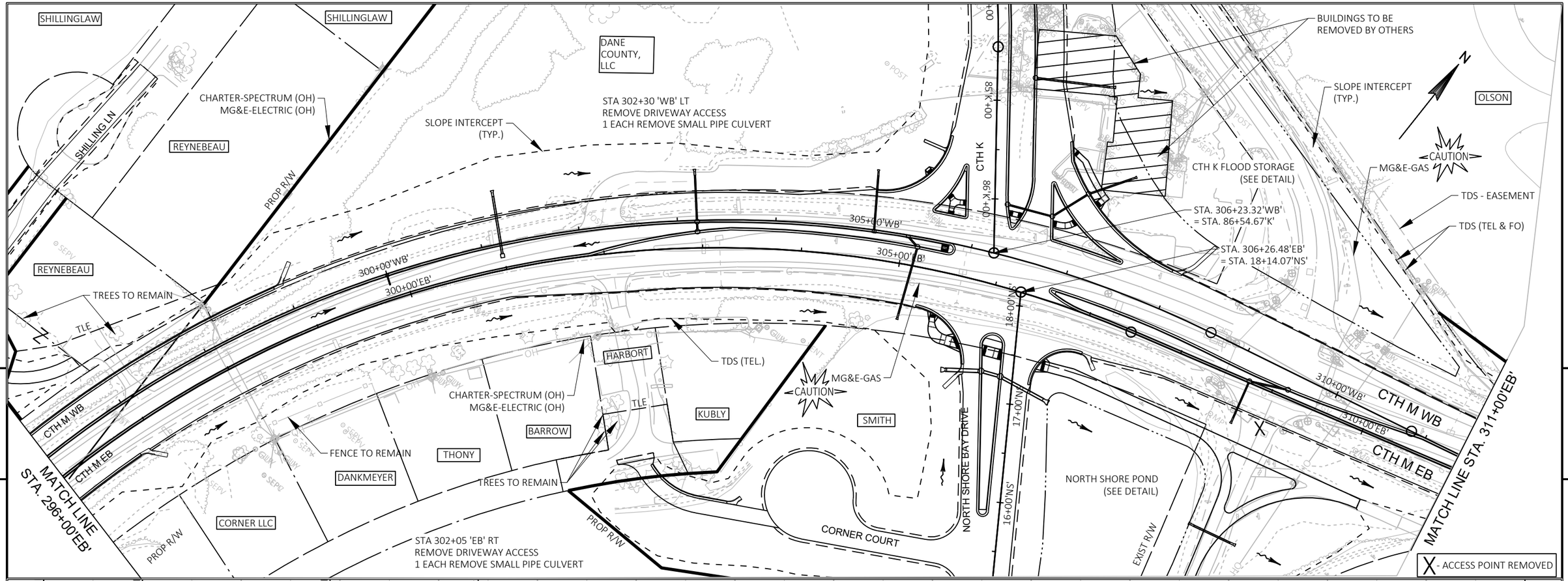
WISDOT/CADDS SHEET 44

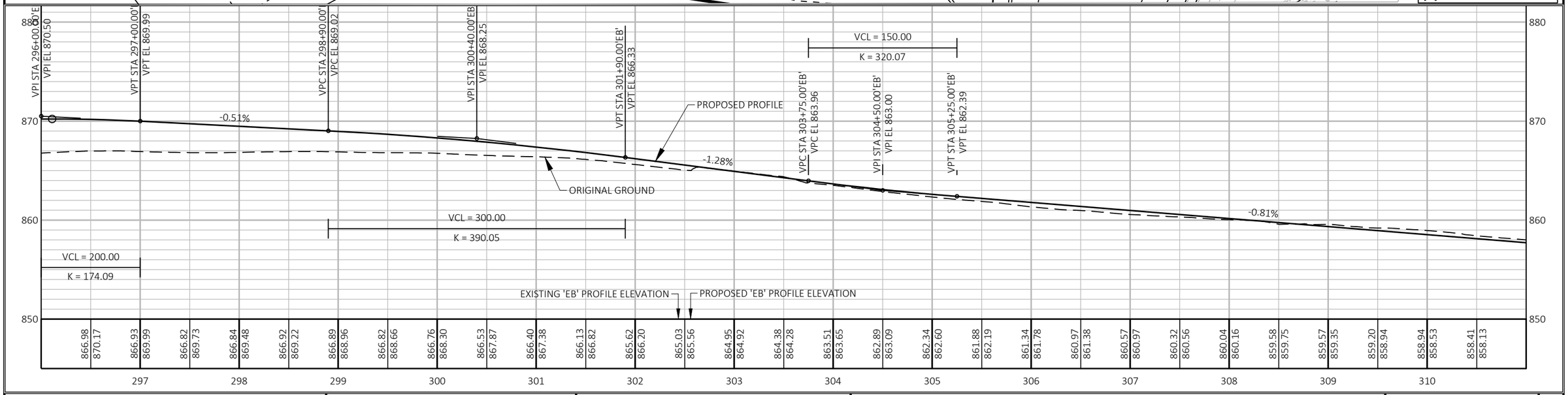




PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: CTH M - EB	SHEET 476	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (CTH M EB).DWG
LAYOUT NAME - 050112
PLOT DATE : 4/11/2023 1:26 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT



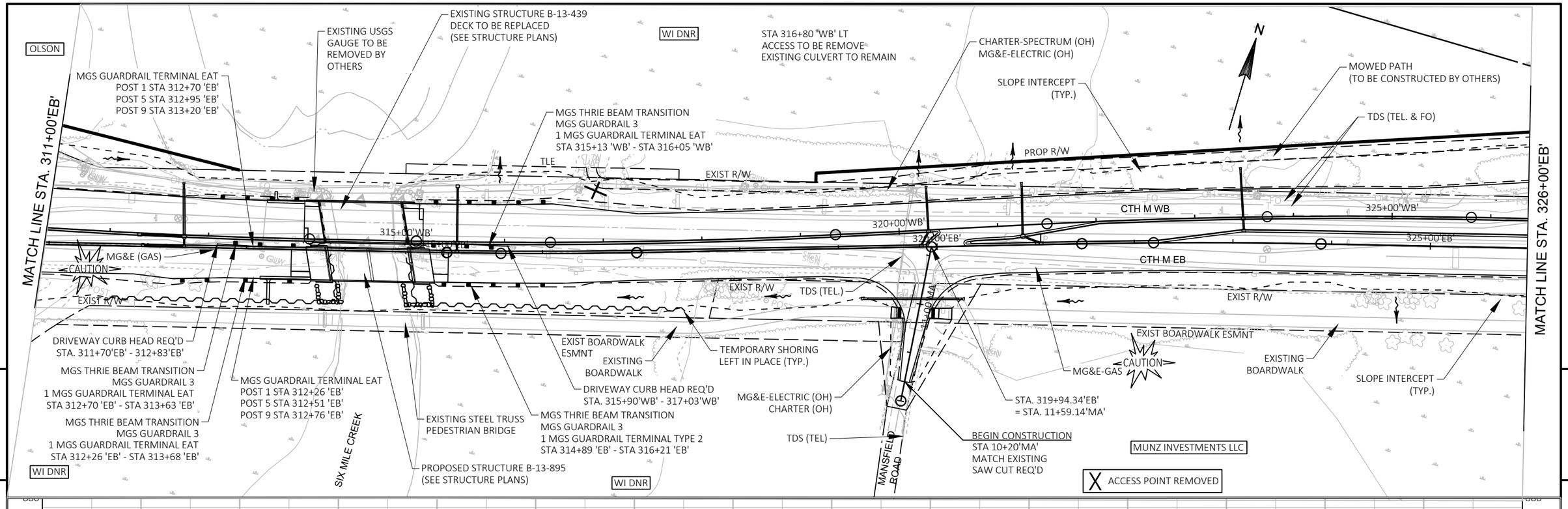


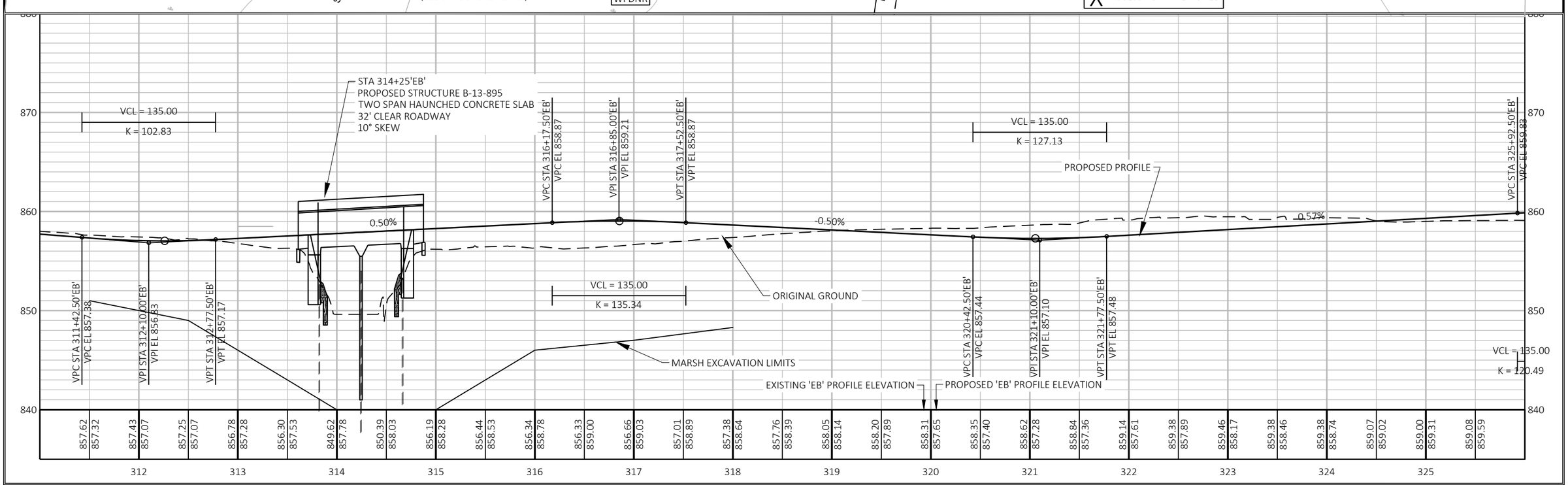
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: CTH M - EB	SHEET 477	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (CTH M EB).DWG
LAYOUT NAME - 050113

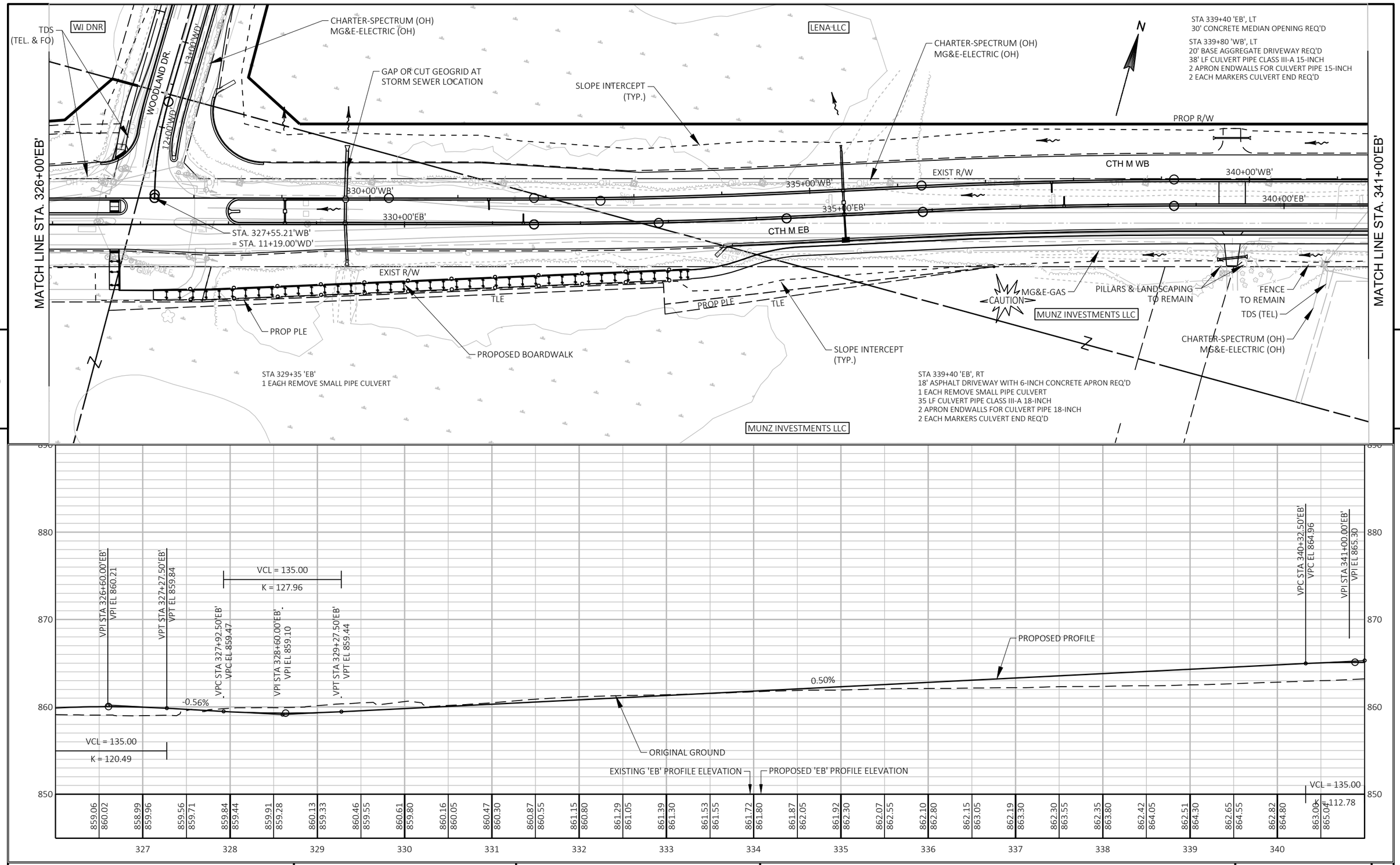
PLOT DATE : 4/11/2023 1:26 PM PLOT BY : NATHAN RULLMAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: CTH M - EB	SHEET 478	E

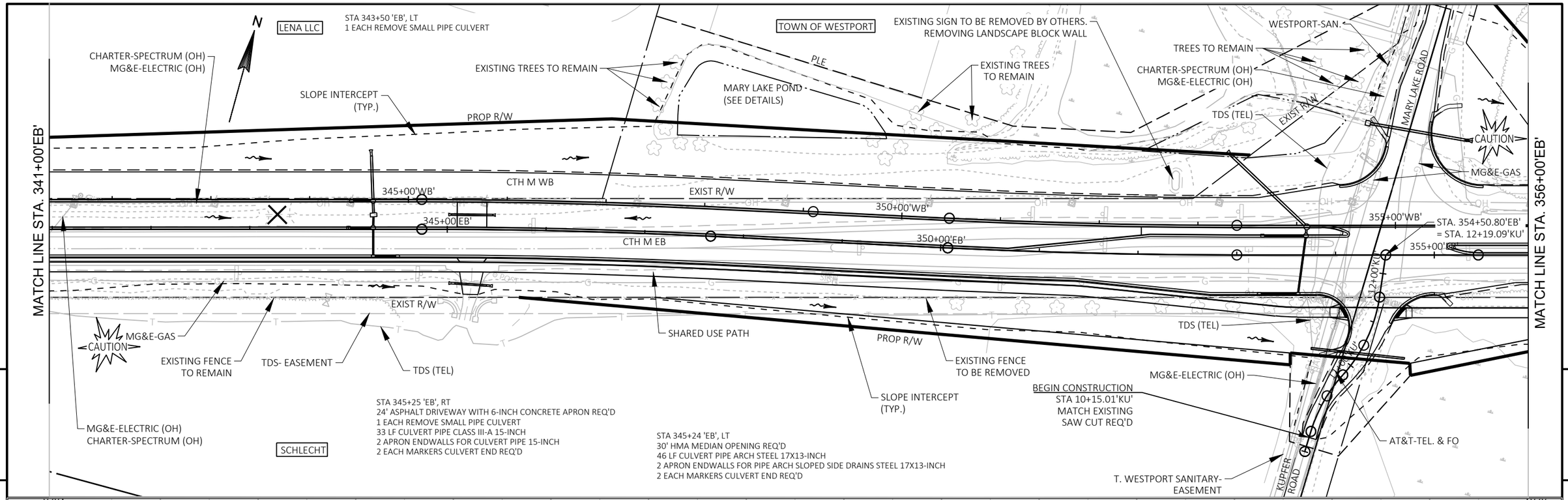


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: CTH M - EB	SHEET 479	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (CTH M EB).DWG
LAYOUT NAME - 050115

PLOT DATE : 4/11/2023 1:27 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : Custom

WISDOT/CADDS SHEET 44

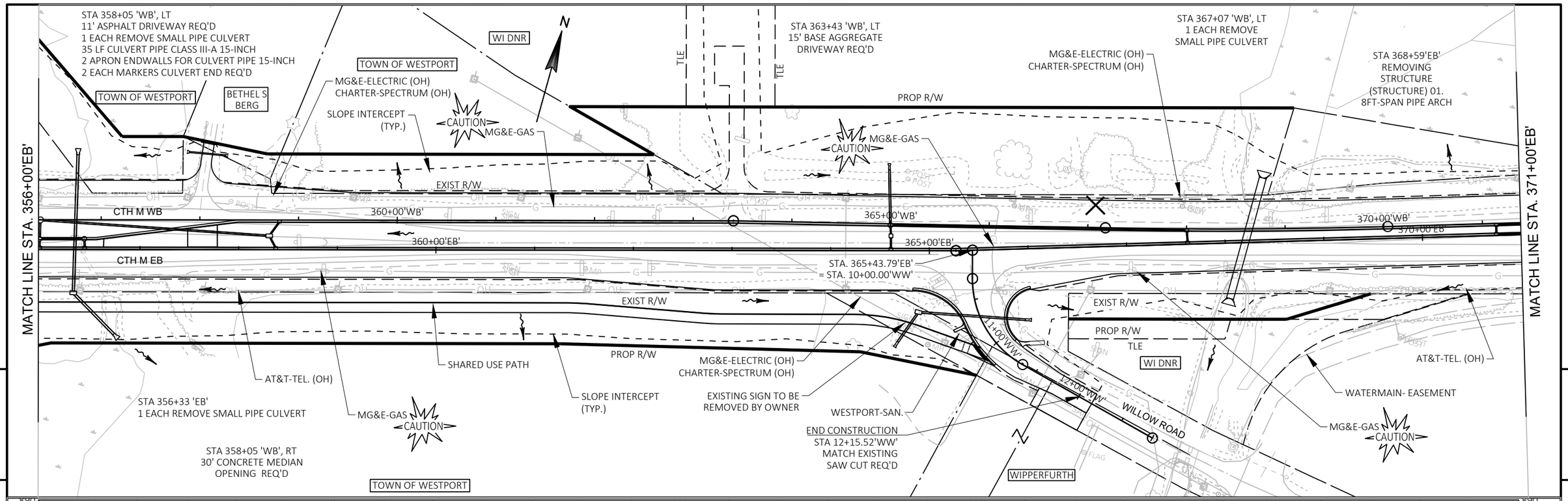


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: CTH M - EB	SHEET 480 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (CTH M EB).DWG
LAYOUT NAME - 050116

PLOT DATE : 5/9/2023 12:29 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : Custom

WISDOT/CADDS SHEET 44

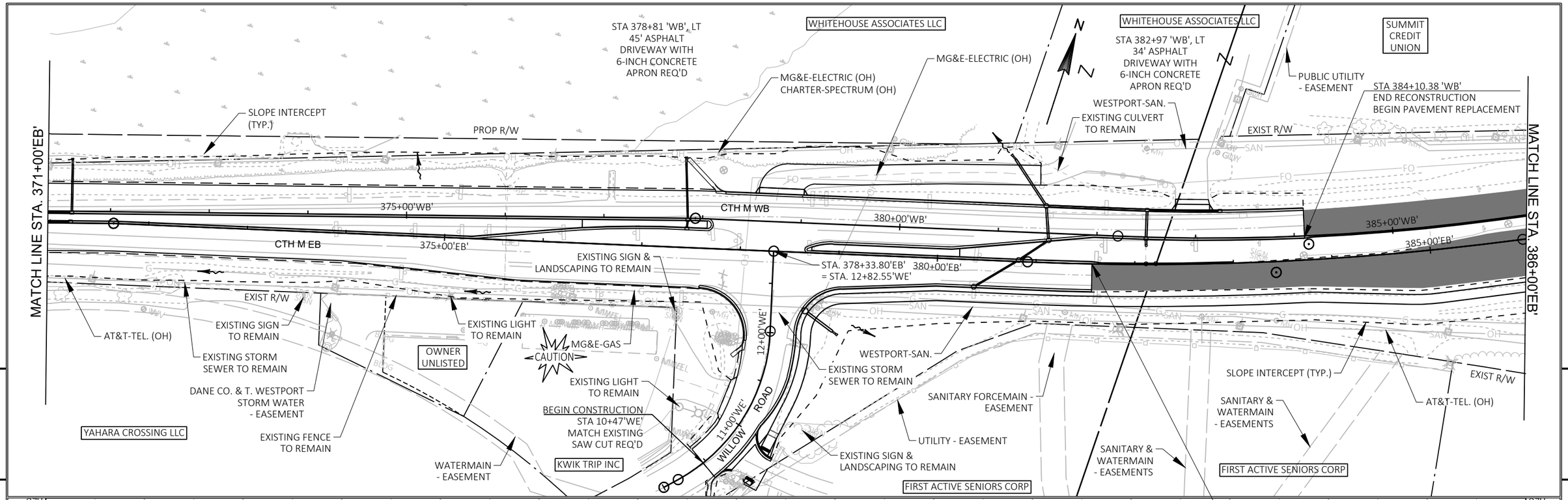


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: CTH M - EB	SHEET 481 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (CTH M EB).DWG
LAYOUT NAME - 050117

PLOT DATE : 4/11/2023 1:27 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

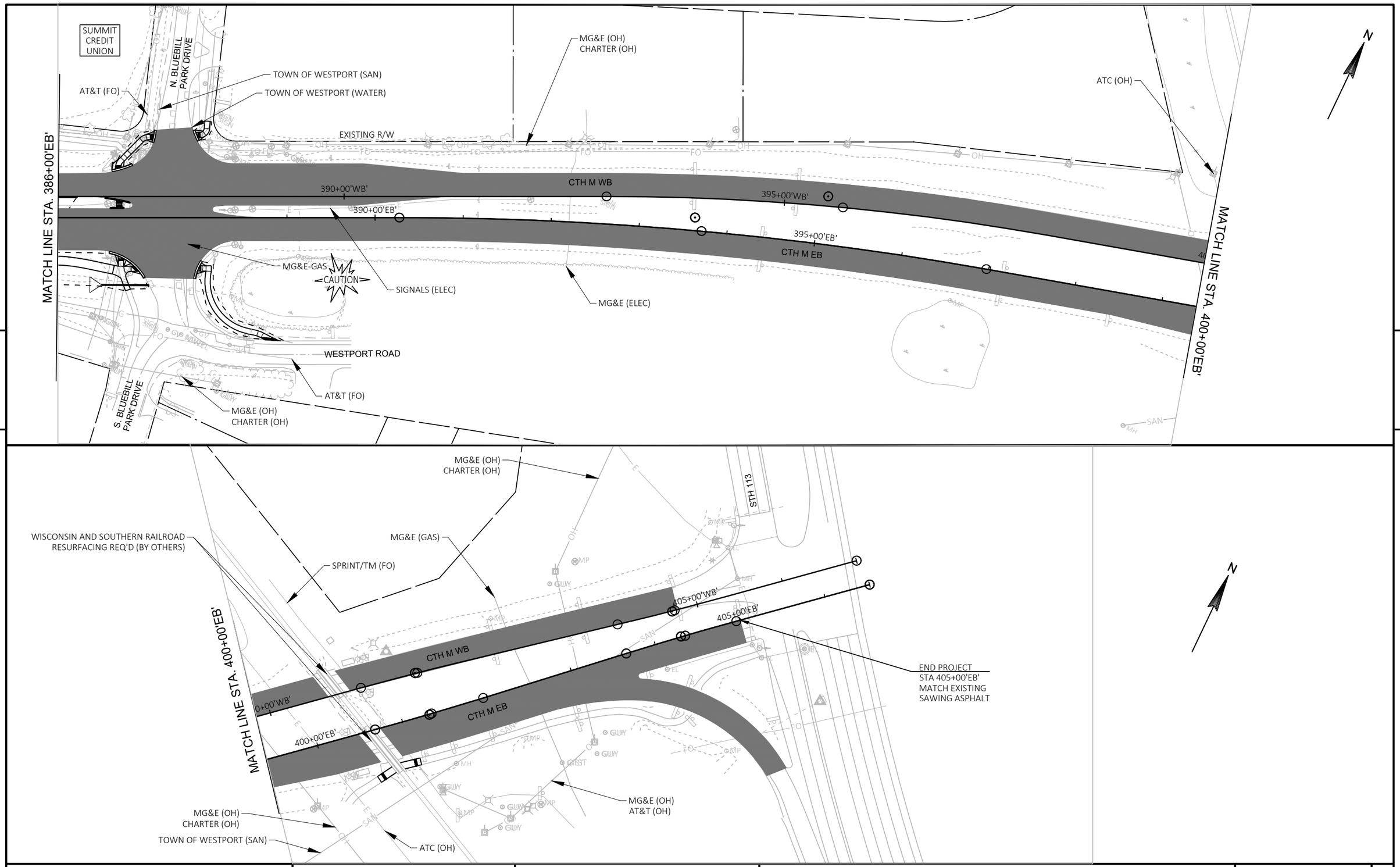


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: CTH M - EB	SHEET 482	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (CTH M EB).DWG
LAYOUT NAME - 050118

PLOT DATE : 4/11/2023 1:28 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

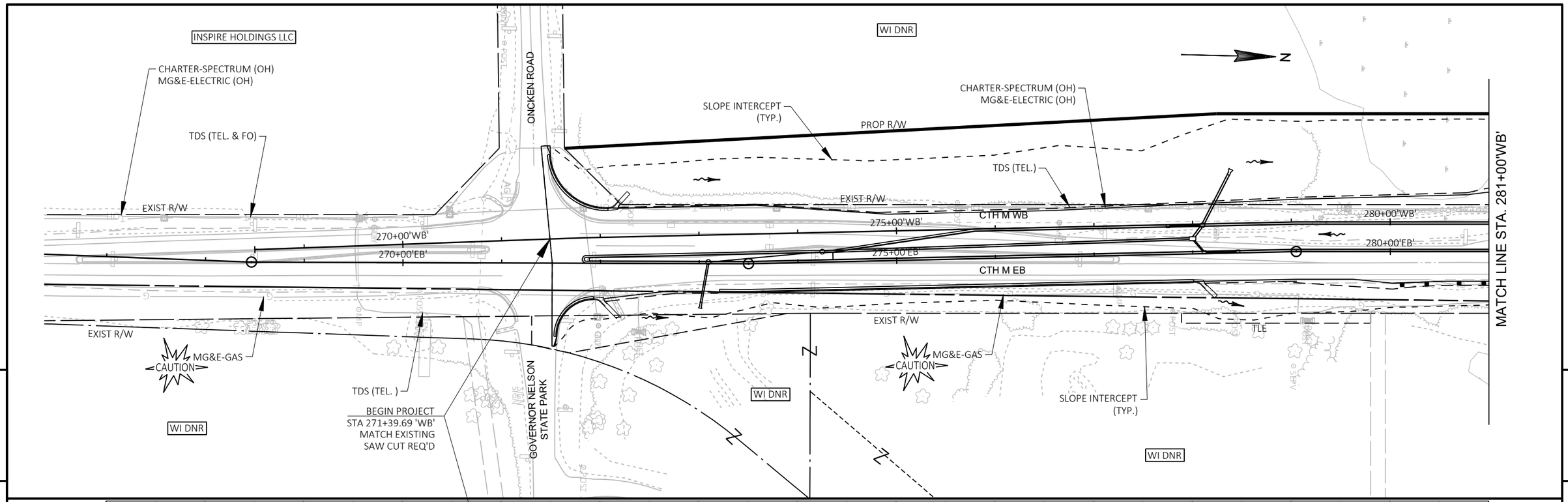
WISDOT/CADDS SHEET 44

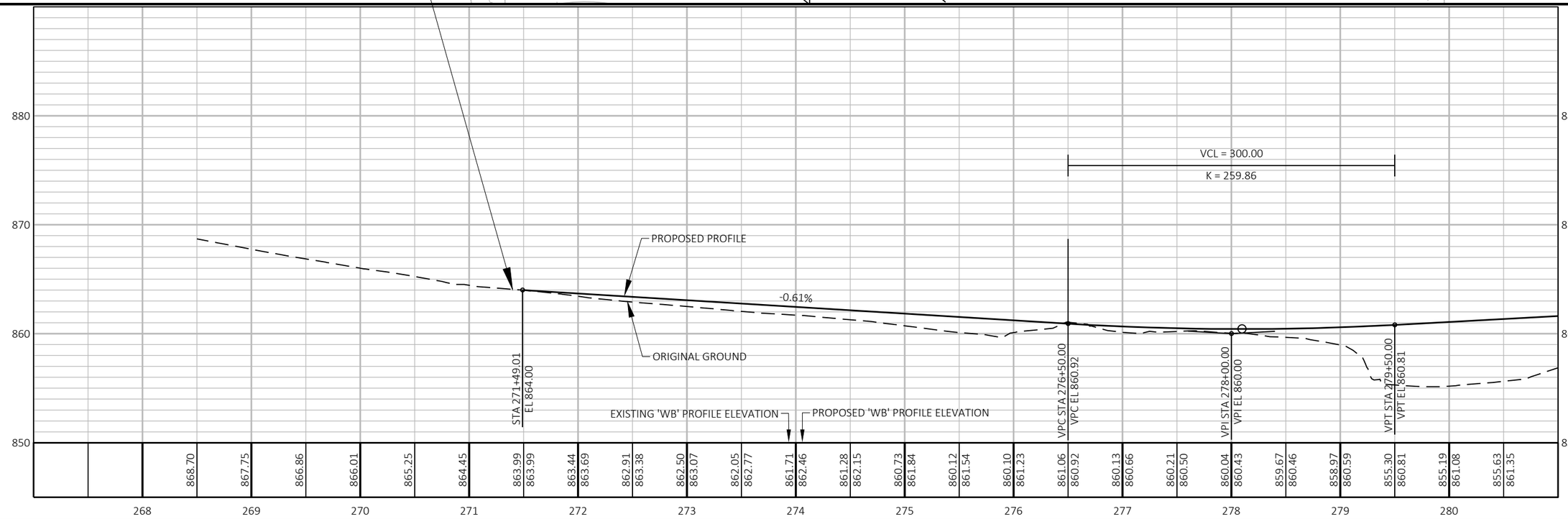


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: CTH M EB	SHEET 483	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (CTH M EB).DWG
LAYOUT NAME - 050119

PLOT DATE : 4/11/2023 1:28 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########





PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: CTH M - WB	SHEET 484 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (CTH M WB).DWG
LAYOUT NAME - 050111

PLOT DATE : 4/11/2023 1:33 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

WI DNR

MGS GUARDRAIL TERMINAL EAT
POST 1 STA 283+27 'WB'
POST 5 STA 283+02 'WB'
POST 9 STA 282+77 'WB'

MGS GUARDRAIL 3
1 MGS GUARDRAIL TERMINAL EAT
1 MGS GUARDRAIL TERMINAL TYPE 2
STA 280+99 'WB' - STA 283+27 'WB'

N

EXISTING SIGN TO
BE REMOVED BY OTHERS

COLEMAN

STA 289+32 'WB', LT
22' BASE AGGREGATE
DRIVEWAY REQ'D

PROCHASKA

ROBERTSON

PROP R/W

TDS (TEL.)

B-13-601

EXIST R/W

SLOPE INTERCEPT
(TYP.)

CHARTER-SPECTRUM (OH)
MG&E-ELECTRIC (OH)

TLE

285+00'WB'

CTH M WB

290+00'WB'

295+00'WB'

285+00'EB'

CTH M EB

290+00'EB'

295+00'EB'

MATCH LINE STA. 281+00'WB'

MATCH LINE STA. 296+00'WB'

MG&E-GAS
CAUTION

MG&E-ELECTRIC (OH)

SLOPE INTERCEPT
(TYP.)

X - ACCESS POINT REMOVED

STA 281+75 'EB'
EXISTING BOX
CULVERT (B-13-601)
TO BE EXTENDED

DORN CREEK

WI DNR

SMITH

MALY

5

5

VCL = 200.00
K = 555.56

PROPOSED PROFILE

0.54%

0.90%

0.51%

VPC STA 294+50.00
VPC EL 870.29

VPC STA 287+00.00
VPC EL 864.86

VPI STA 288+00.00
VPI EL 865.40

VPT STA 289+00.00
VPT EL 866.30

ORIGINAL GROUND

VCL = 200.00
K = 518.30

VCL = 200.00
K = 195.31

STA 281+72.7 'EB'
B-13-601
TWIN CELL CONCRETE BOX
CULVERT EXTENSION REQ'D

END MARSH EXCAVATION LIMITS
BEGIN EBS EXCAVATION

EXISTING 'WB' PROFILE ELEVATION

PROPOSED 'WB' PROFILE ELEVATION

870
860
850
840

856.02	856.61	857.12	857.38	857.68	857.80	858.24	858.86	859.88	860.75	861.30	861.78	863.00	862.58	862.85	863.33	863.85	864.52	865.09	865.77	866.39	866.90	867.17	867.16	867.12	867.32	867.59
861.89	862.16	862.97	863.24	863.51	863.78	864.05	864.32	864.59	864.86	865.15	865.49	865.87	866.30	866.75	867.20	867.65	868.10	868.53	868.90	869.23	869.51	869.77	870.03	870.29	870.48	870.54

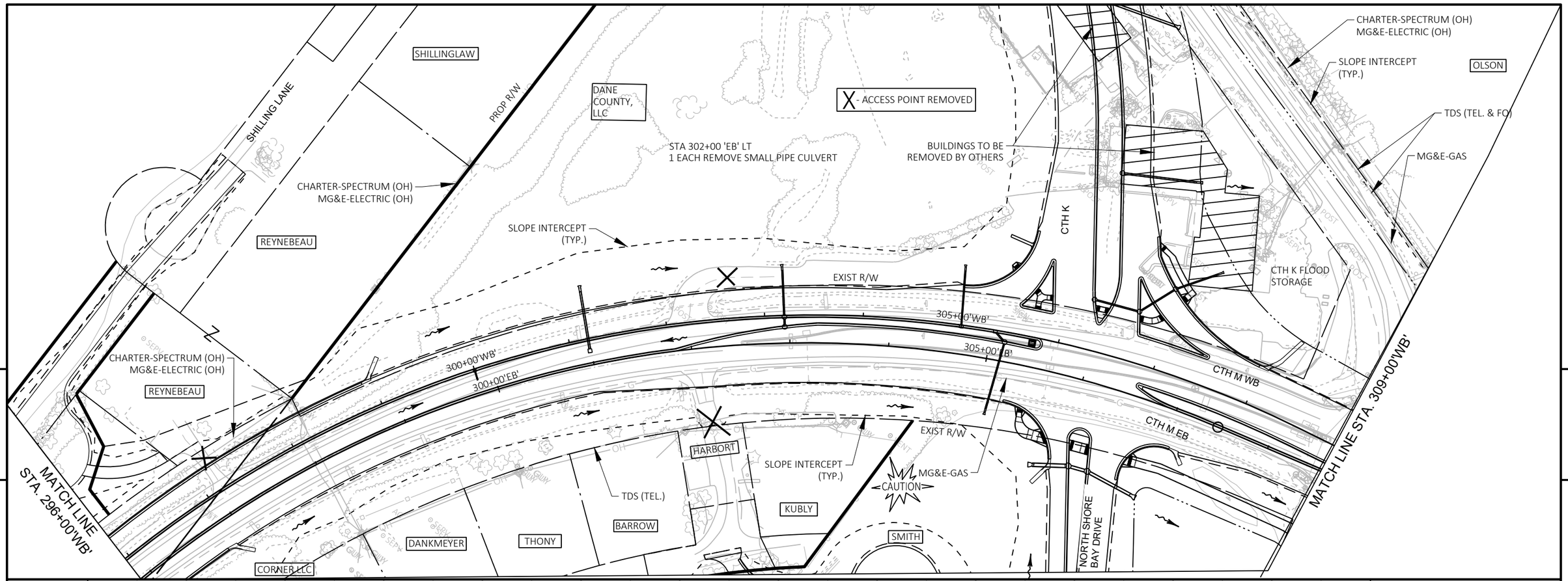
282 283 284 285 286 287 288 289 290 291 292 293 294 295

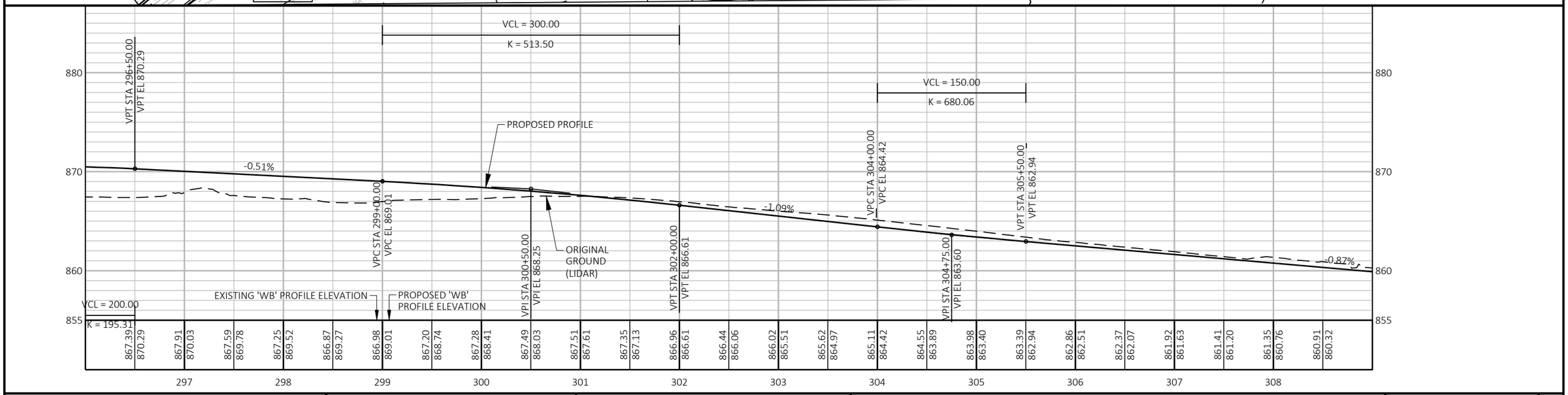
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: CTH M - WB	SHEET 485	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (CTH M WB).DWG
LAYOUT NAME - 050112

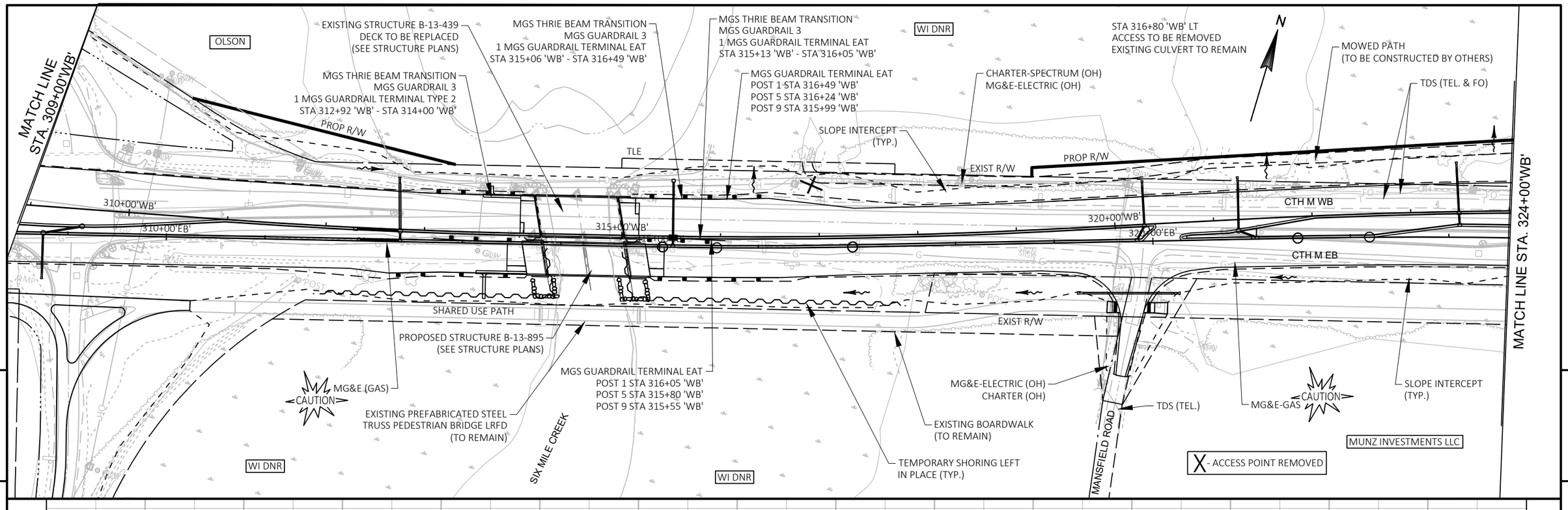
PLOT DATE : 4/11/2023 1:33 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: CTH M - WB	SHEET 486	E



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: CTH M - WB	SHEET 487	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (CTH M WB).DWG
LAYOUT NAME - 050114

PLOT DATE : 4/11/2023 1:34 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

MATCH LINE STA. 324+00'WB'

MATCH LINE STA. 339+00'WB'

WI DNR

LENA LLC

MUNZ INVESTMENTS LLC

MUNZ INVESTMENTS LLC

MUNZ INVESTMENTS LLC

WOODLAND DRIVE

TDS
(TEL. & FO)

CHARTER-SPECTRUM (OH)
MG&E-ELECTRIC (OH)

CHARTER-SPECTRUM (OH)
MG&E-ELECTRIC (OH)

GAP OR CUT GEOGRID AT
STORM SEWER LOCATIONS

SLOPE INTERCEPT
(TYP.)

PROP R/W

PROP R/W

EXIST R/W

EXIST R/W

325+00'WB'

325+00'EB'

330+00'WB'

330+00'EB'

CTH M WB

335+00'WB'

335+00'EB'

CTH M EB

TLE

TLE

MG&E-GAS
CAUTION

MG&E-GAS
CAUTION

EXISTING BOARDWALK
(TO BE REMAIN)

PROPOSED BOARDWALK

PROP PLE

SLOPE INTERCEPT
(TYP.)

STA 329+35 'EB'
1 EACH REMOVE SMALL PIPE CULVERT

5

5

VPC STA 326+32.50
VPC EL 859.83

VPI STA 327+00.00
VPI EL 860.21

VPT STA 327+67.50
VPT EL 859.84

VCL = 135.00
K = 127.96

VCL = 135.00
K = 120.48

VPC STA 328+32.50
VPC EL 859.47

VPI STA 329+00.00
VPI EL 859.10

VPT STA 329+67.50
VPT EL 859.44

0.57%

-0.56%

0.50%

PROPOSED PROFILE

ORIGINAL GROUND

MARSH EXCAVATION

EXISTING 'WB' PROFILE ELEVATION

PROPOSED 'WB' PROFILE ELEVATION

870
860
850
840
834

325	326	327	328	329	330	331	332	333	334	335	336	337	338
858.04	857.70	857.57	857.67	858.17	858.07	858.37	858.06	858.25	858.46	858.59	858.79	858.93	858.56
858.04	857.70	857.57	857.67	858.17	858.07	858.37	858.06	858.25	858.46	858.59	858.79	858.93	858.56

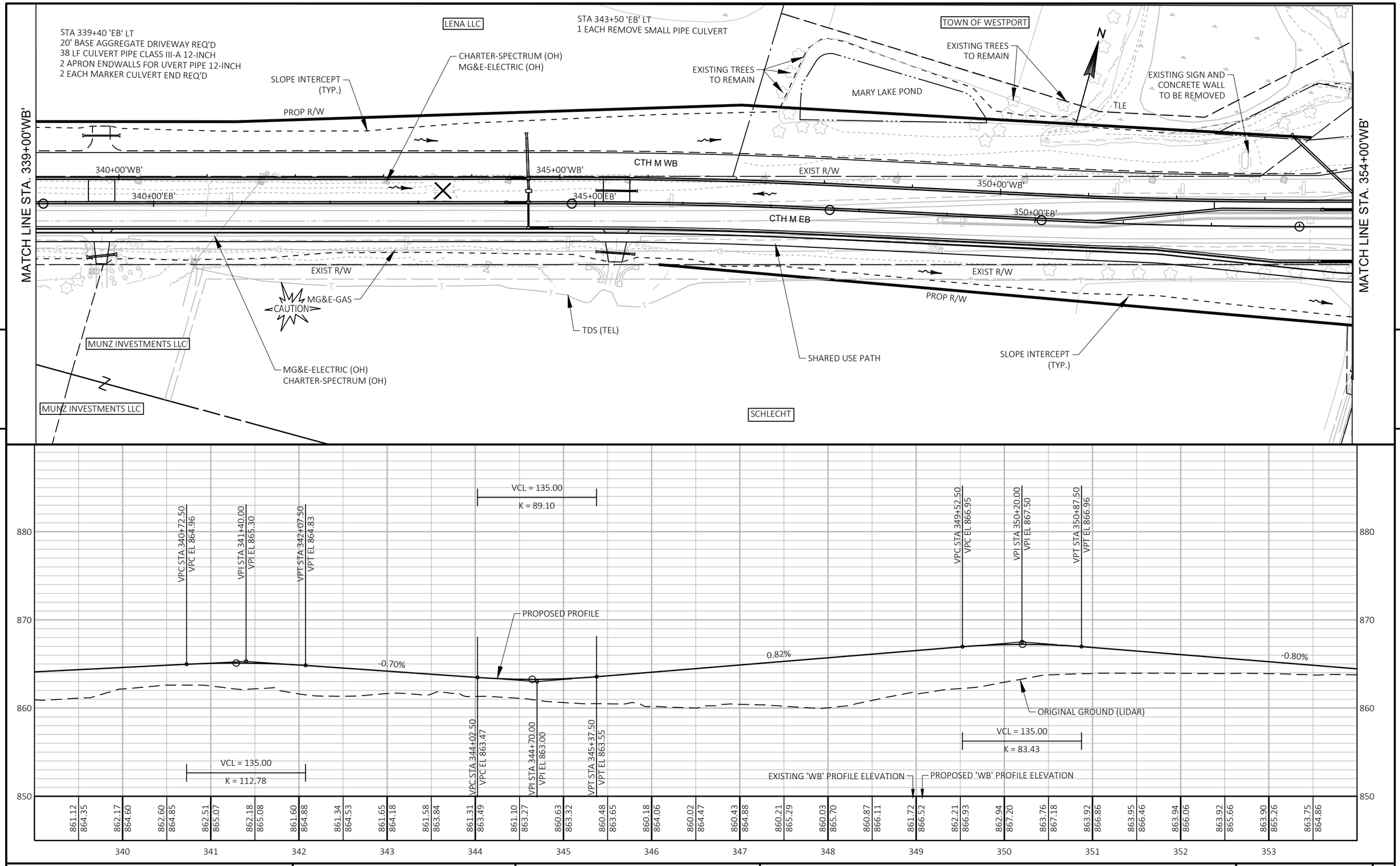
858.26	858.30	858.26	858.43	858.46	858.16	858.15	858.68	858.16	858.98	859.94	860.16	860.53	860.73	860.99
858.26	858.30	858.26	858.43	858.46	858.16	858.15	858.68	858.16	858.98	859.94	860.16	860.53	860.73	860.99

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: CTH M - WB	SHEET 488	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (CTH M WB).DWG
LAYOUT NAME - 050115

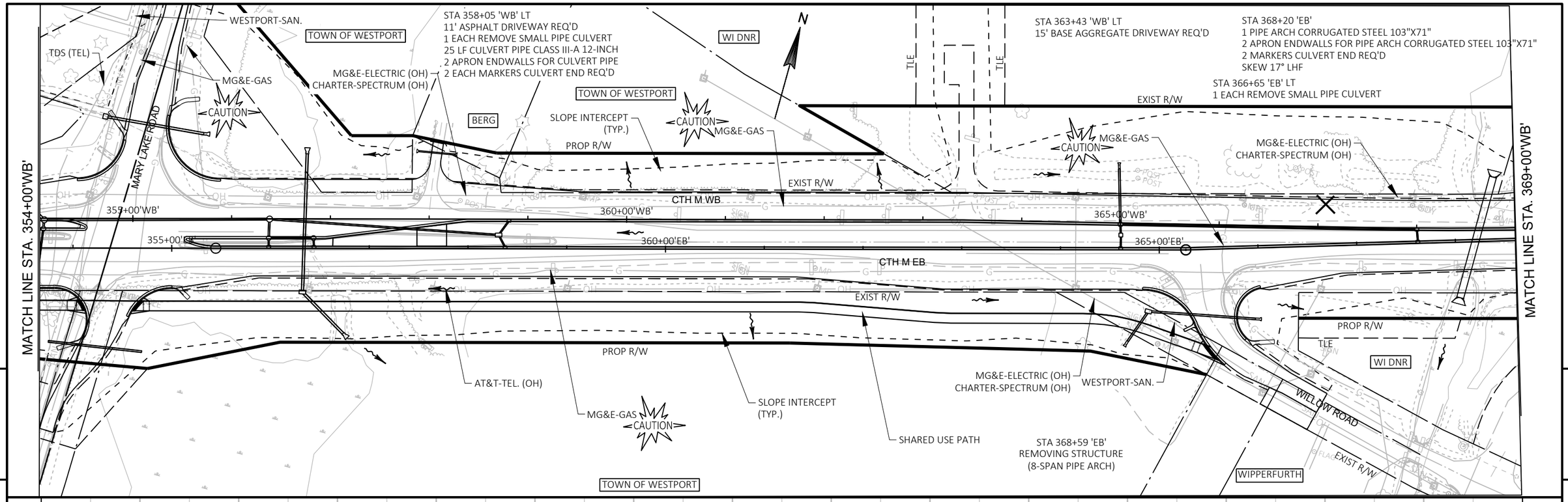
PLOT DATE : 4/11/2023 1:34 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

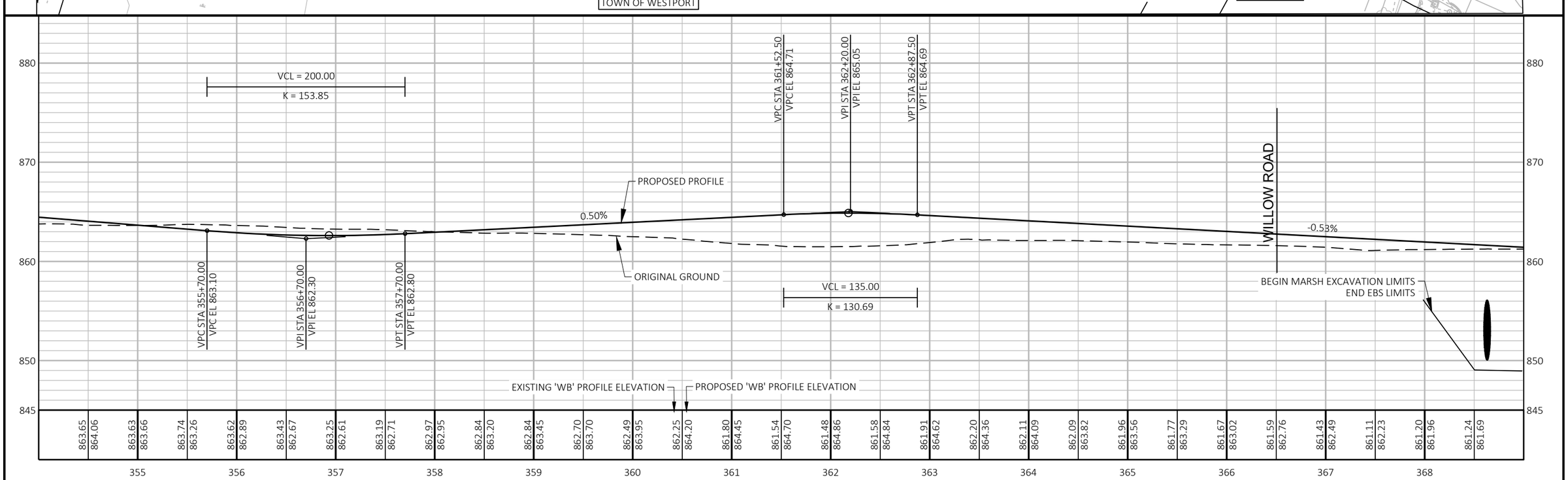
WISDOT/CADDS SHEET 44



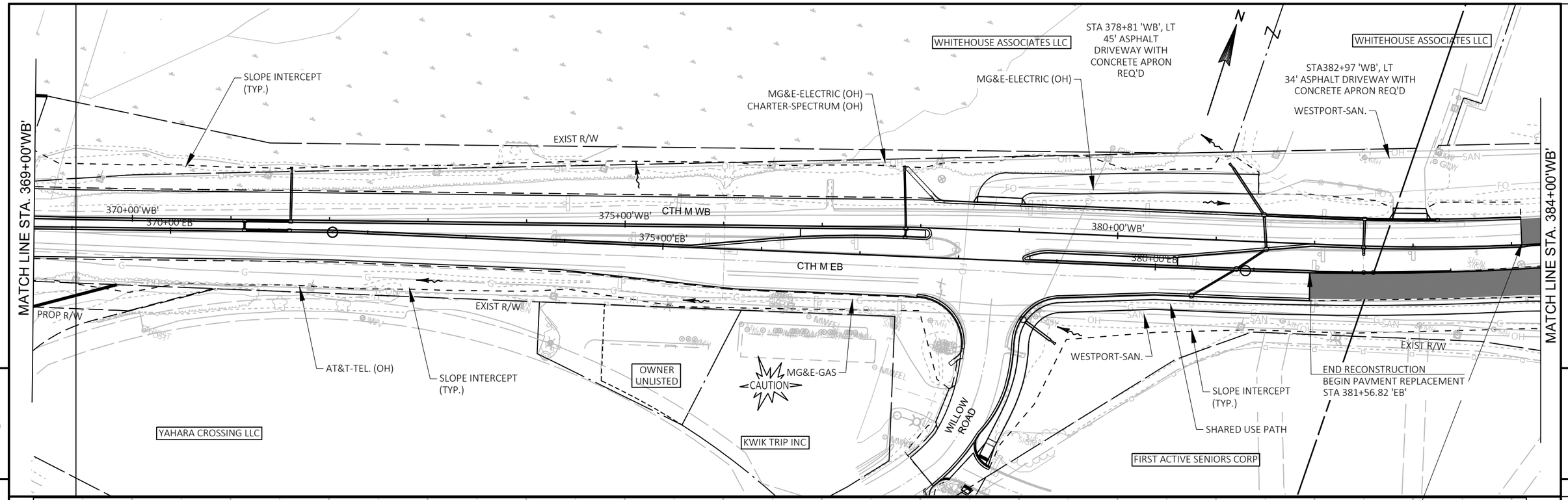
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: CTH M - WB	SHEET 489	E

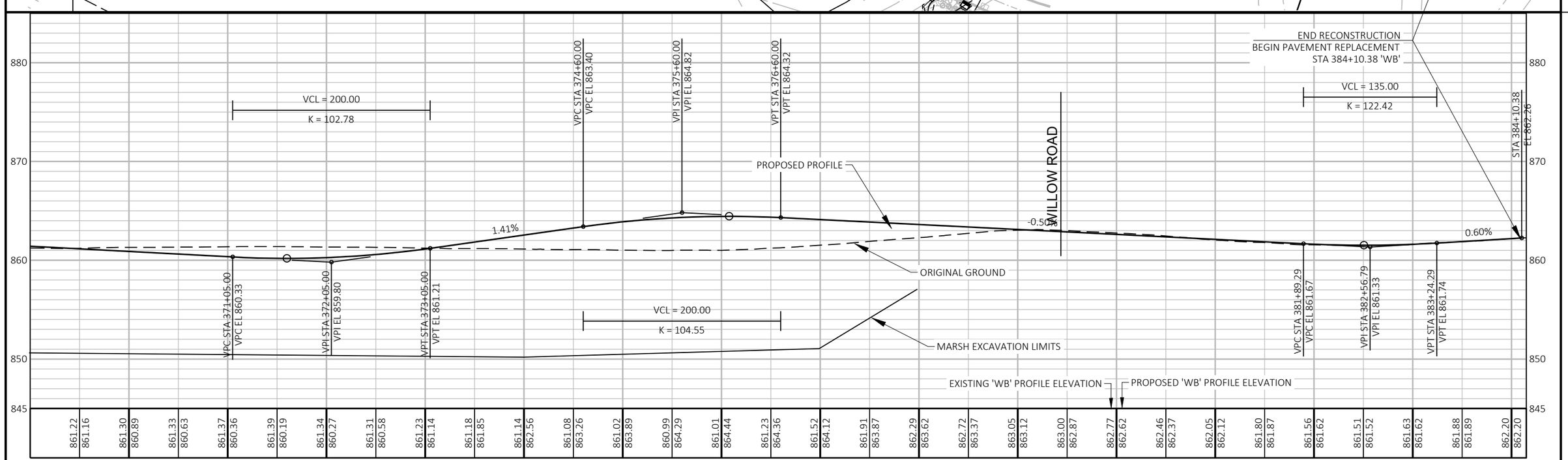
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (CTH M WB).DWG
LAYOUT NAME - 050116
PLOT DATE : 4/11/2023 1:35 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: CTH M - WB	SHEET 490	E





PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: CTH M - WB	SHEET 491	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (CTH M WB).DWG
LAYOUT NAME - 050118

PLOT DATE : 4/11/2023 1:36 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

WHITEHOUSE ASSOCIATES LLC

SUMMIT CREDIT UNION

TOWN OF WESTPORT (SAN)

AT&T (FO)

N. BLUEBILL PARK DRIVE

TOWN OF WESTPORT (WATER)

MG&E (OH)
CHARTER (OH)

EXIST R/W

MATCH LINE STA. 386+00'WB'

CTH M WB

385+00'WB'

390+00'WB'

395+00'WB'

385+00'EB'

390+00'EB'

CTH M EB

395+00'EB'

MATCH LINE STA. 396+00'WB'

MG&E-GAS

SIGNALS (ELEC)

CAUTION

MG&E (ELEC)

EXIST R/W

WESTPORT ROAD

FIRST ACTIVE SENIORS CORP

S. BLUEBILL PARK DRIVE

AT&T (FO)

MG&E (OH)
CHARTER (OH)

5

5

MG&E (OH)
CHARTER (OH)

END PROJECT
STA 404+77 'WB'
MATCH EXISTING
SAW CUT REQ'D

SPRINT/TM (FO)

MG&E (GAS)

EXISTING CROSSING SURFACE
TO BE REPLACED BY OTHERS

MATCH LINE STA. 396+00'WB'

CTH M WB

400+00'WB'

405+00'WB'

405+00'EB'

STH 113

400+00'EB'

CTH M EB

MG&E (OH)
CHARTER (OH)

TOWN OF WESTPORT (SAN)

ATC (OH)

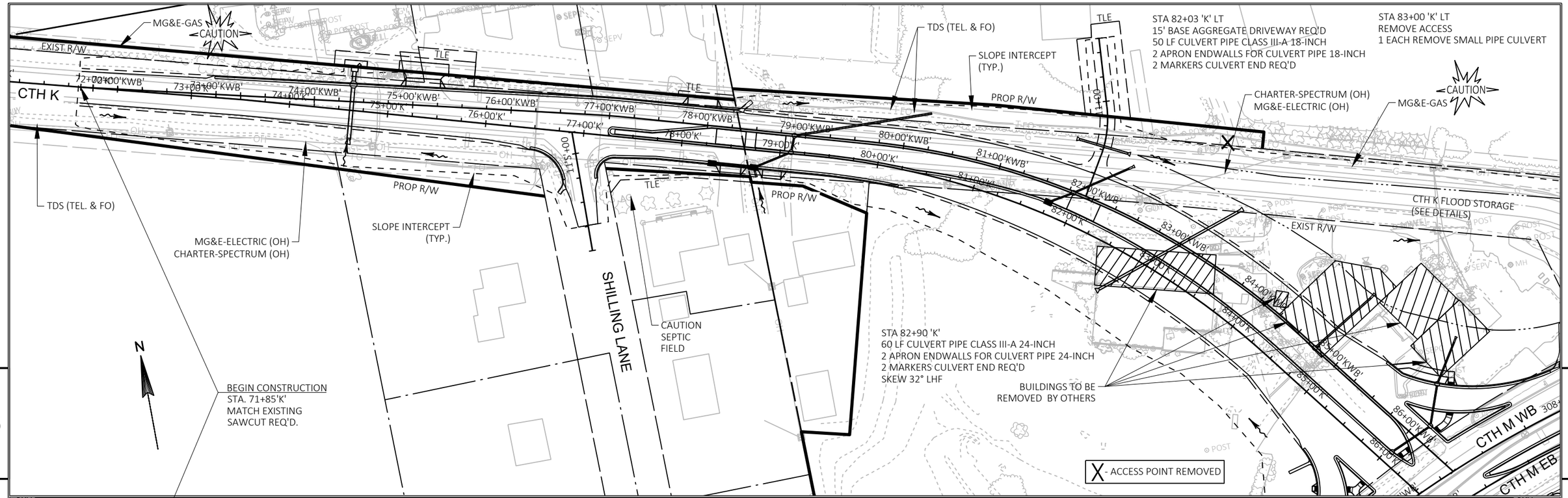
MG&E (OH)
AT&T (OH)

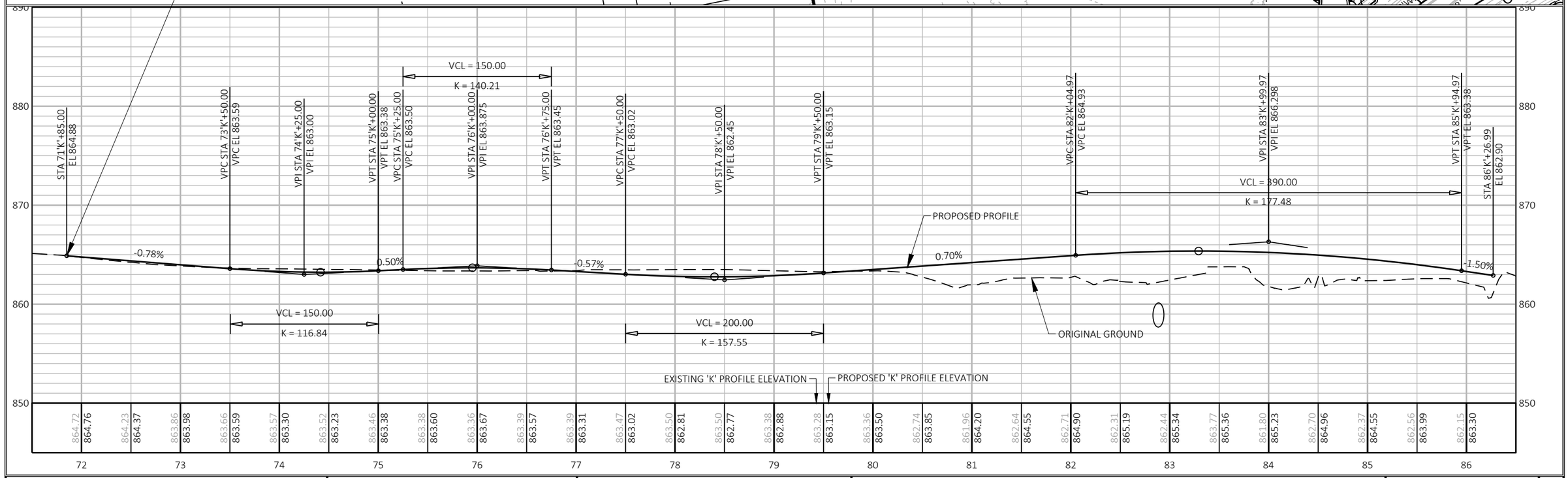
WISCONSIN & SOUTHERN RAILROAD

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: CTH M - WB	SHEET 492	E

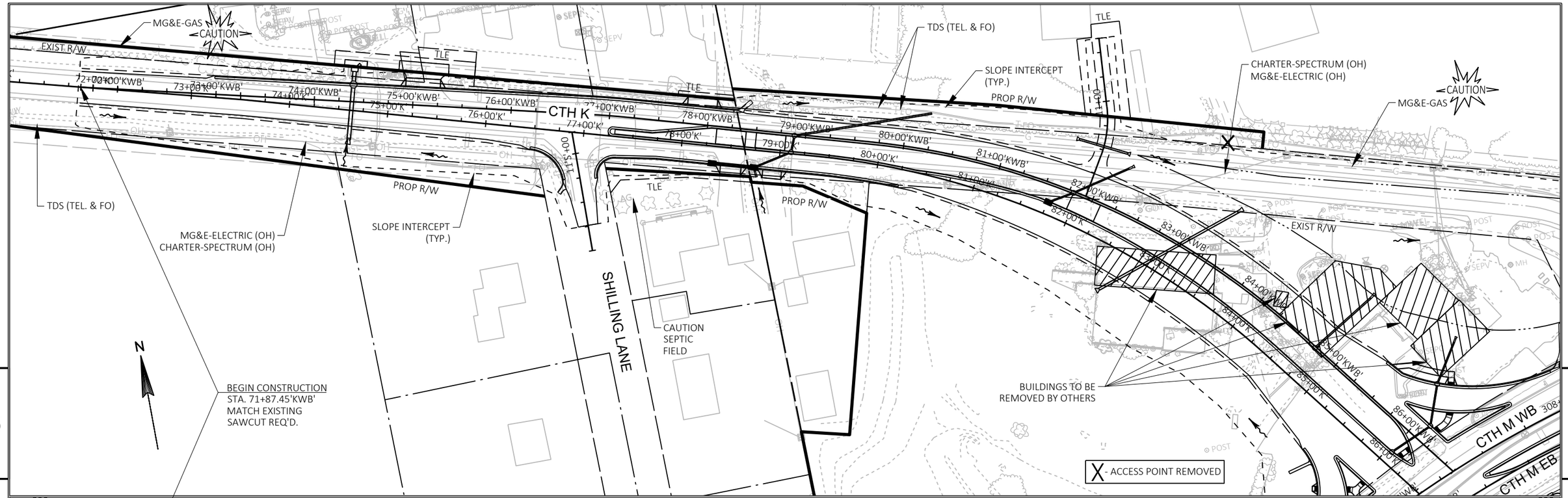
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (CTH M WB).DWG
LAYOUT NAME - 050119

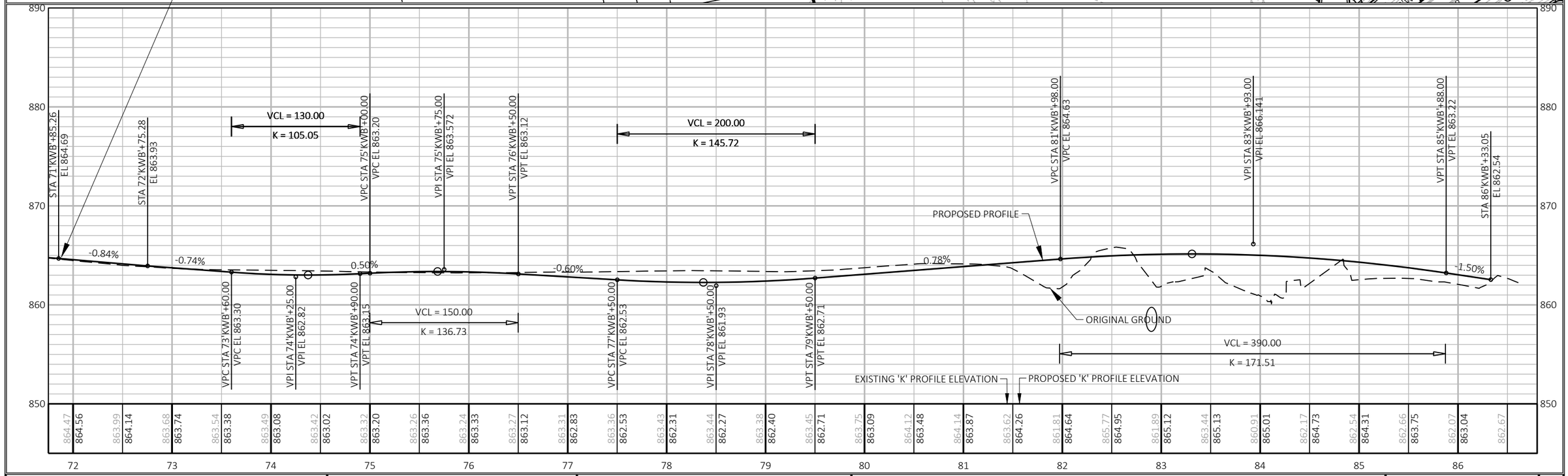
PLOT DATE : 4/11/2023 1:36 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########





PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: CTH K (EB)	SHEET 493 E





PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: CTH K (WB)	SHEET 494	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (SIDEROADS).DWG
LAYOUT NAME - CTH K (WB)

PLOT DATE : 1/26/2023 7:17 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

STA 13+55'NS'
60 LF CULVERT PIPE CORRUGATED STEEL 24-INCH
2 APRON ENDWALLS FOR CULVERT PIPE CORRUGATED STEEL 24-INCH
2 EACH MARKERS CULVERT END REQ'D
SKEW 4° LHF

SLOPE INTERCEPT (TYP.)

PROP R/W

CORNER COURT

12+00'CC'

13+00'CC'

14+00'CC'

TDS (TEL.)

MG&E-GAS

CAUTION

CTH M EB

CTH M WB

304+00'WB

306+00'EB

306+00'WB

308+00'EB

BUILDINGS TO BE REMOVED BY OTHERS (TYP.)

CTH K

11+00'NS'

12+00'NS'

13+00'NS'

14+00'NS'

15+00'NS'

16+00'NS'

17+00'NS'

18+00'NS'

13+00'NSB'

14+00'NSB'

15+00'NSB'

16+00'NSB'

17+00'NSB'

18+00'NSB'

NORTH SHORE BAY DRIVE

TLE

TLE

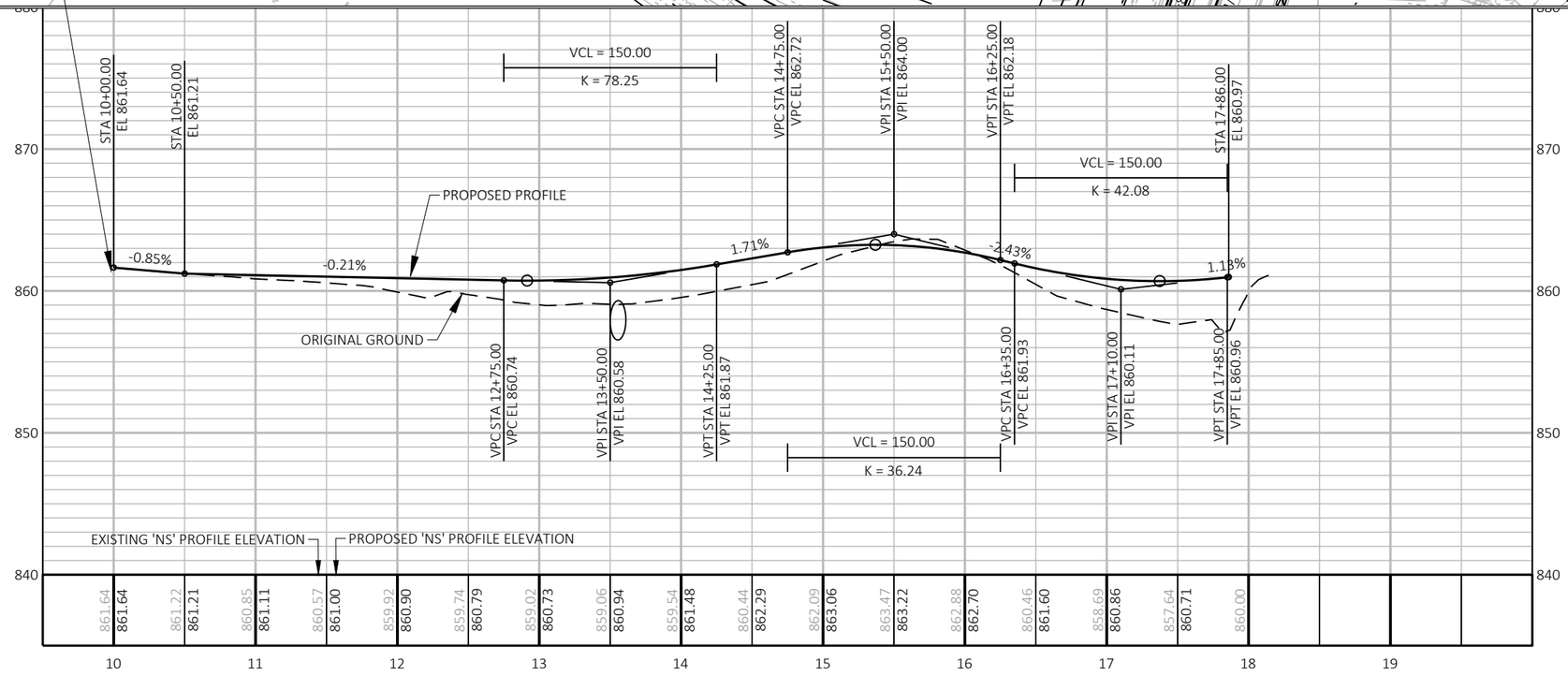
EXIST R/W

MG&E-ELECTRIC (OH)

NORTH SHORE BAY POND

BEGIN CONSTRUCTION STA. 10+00 'NS' MATCH EXISTING SAWCUT REQ'D.

X - ACCESS POINT REMOVED

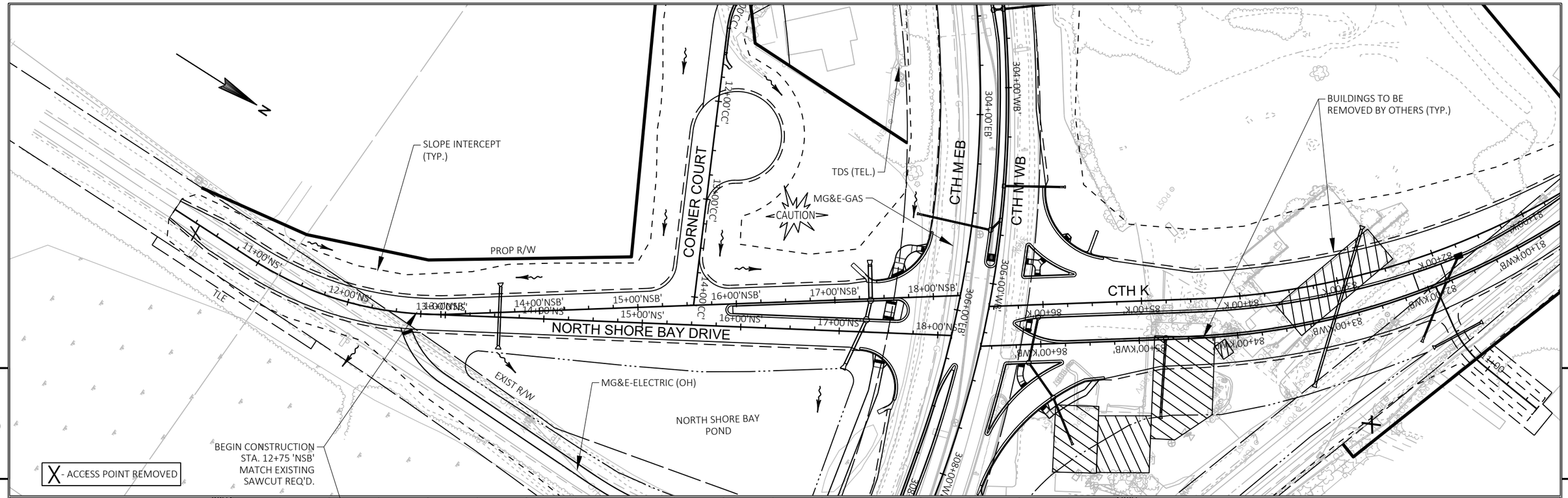


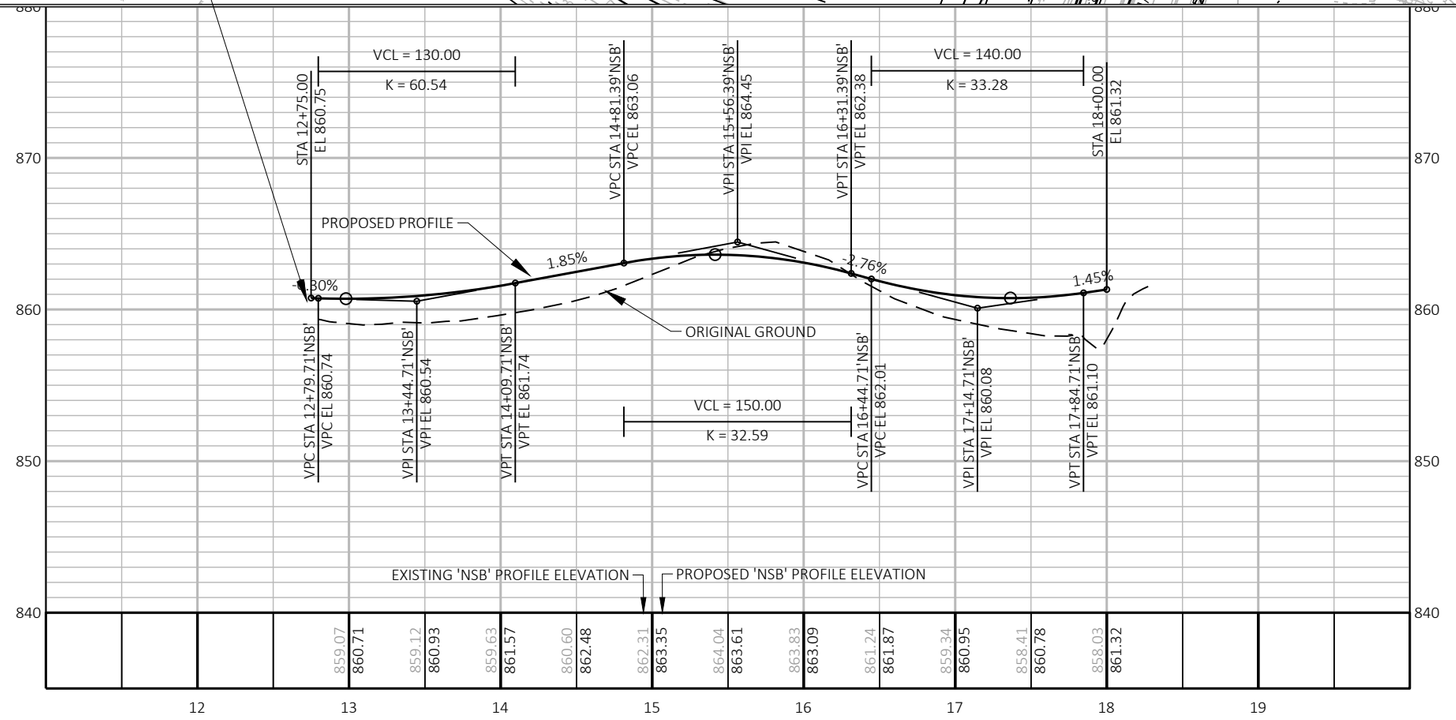
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: NORTH SHORE BAY DRIVE (NB)	SHEET 495	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (SIDEROADS).DWG
LAYOUT NAME - N Shore Bay Dr (NB)

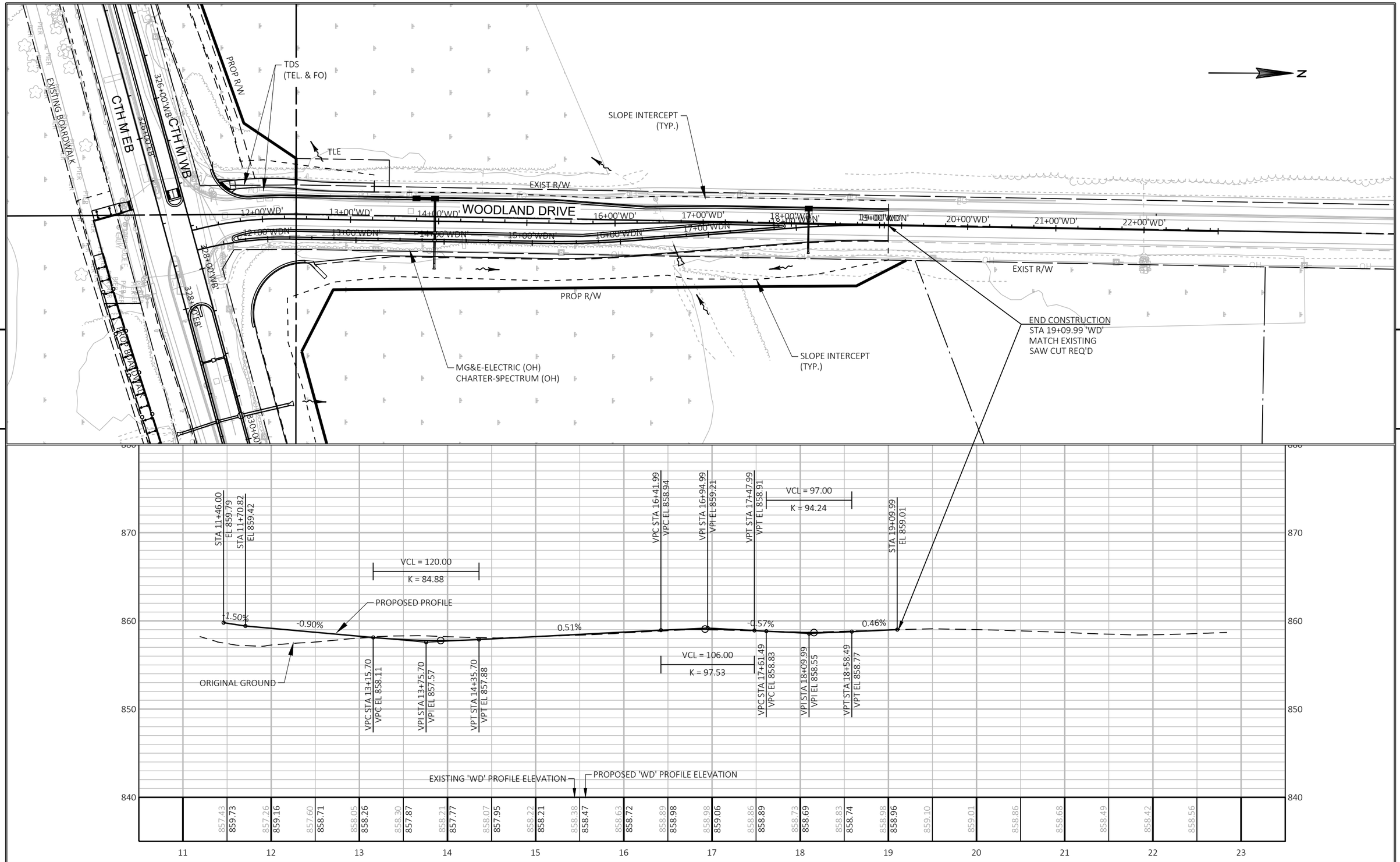
PLOT DATE : 1/26/2023 7:18 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: NORTH SHORE BAY DRIVE (SB)	SHEET 496	E

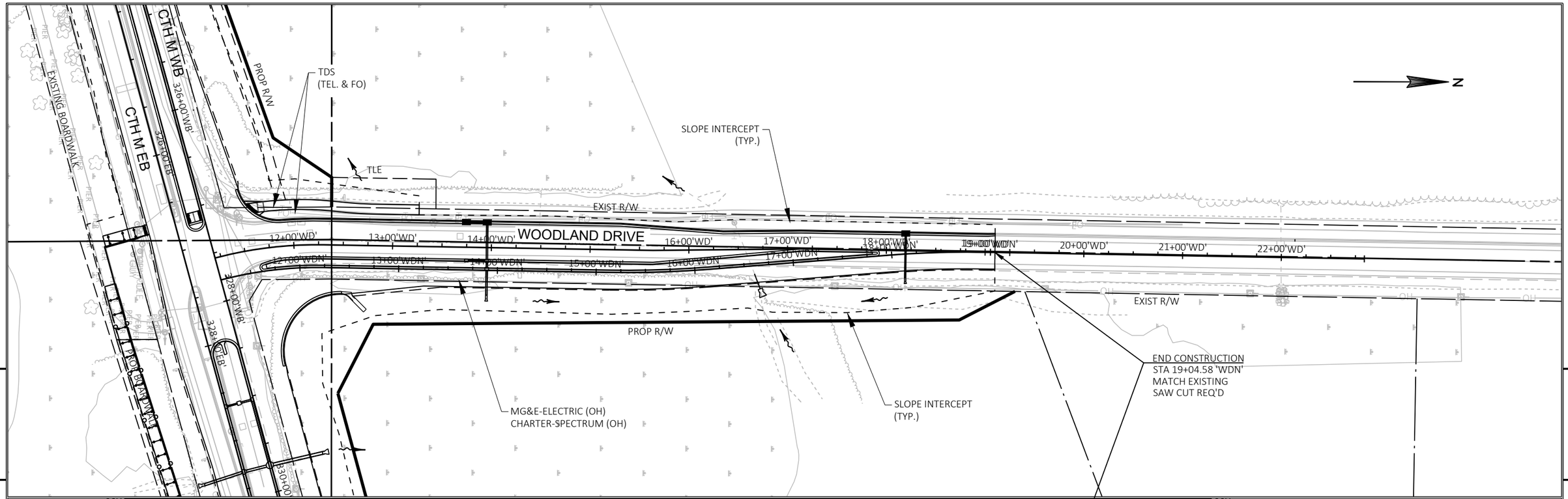


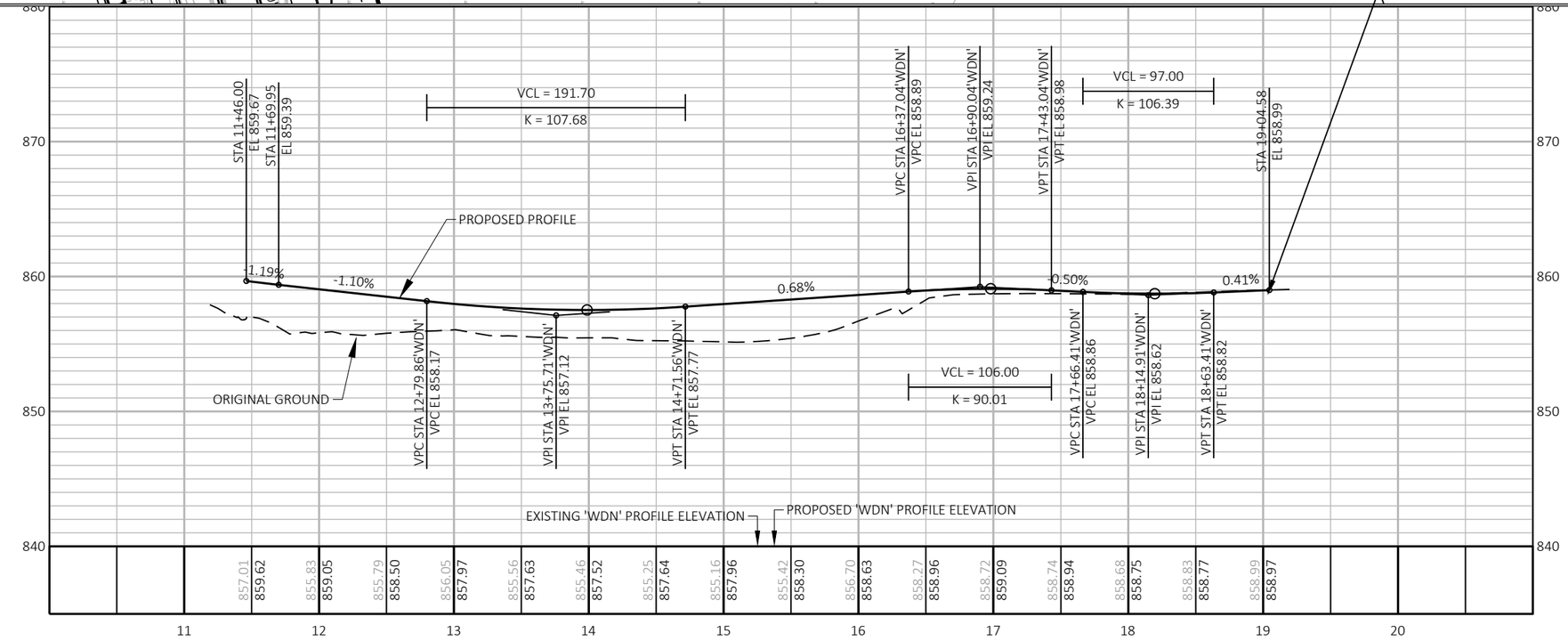
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: WOODLAND DRIVE (SB)	SHEET 497 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (SIDEROADS).DWG
LAYOUT NAME - Woodland Dr (SB)

PLOT DATE : 1/26/2023 7:20 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

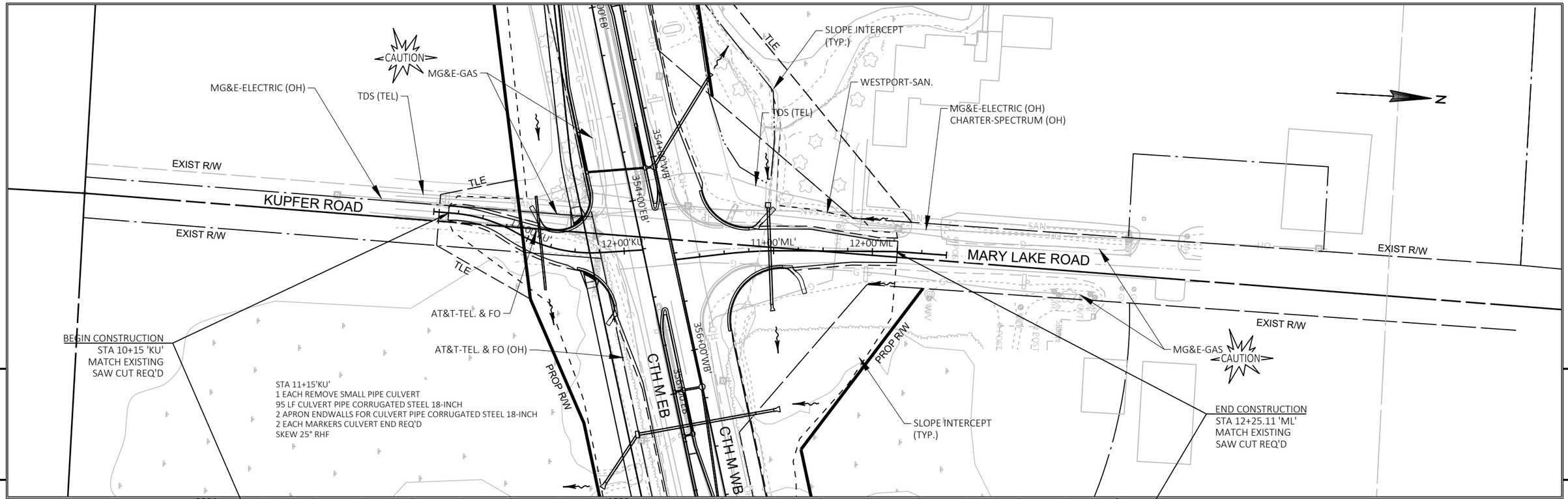




PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: WOODLAND DRIVE (NB)	SHEET 498	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (SIDEROADS).DWG
LAYOUT NAME - Woodland Dr (NB)

PLOT DATE : 1/26/2023 7:21 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

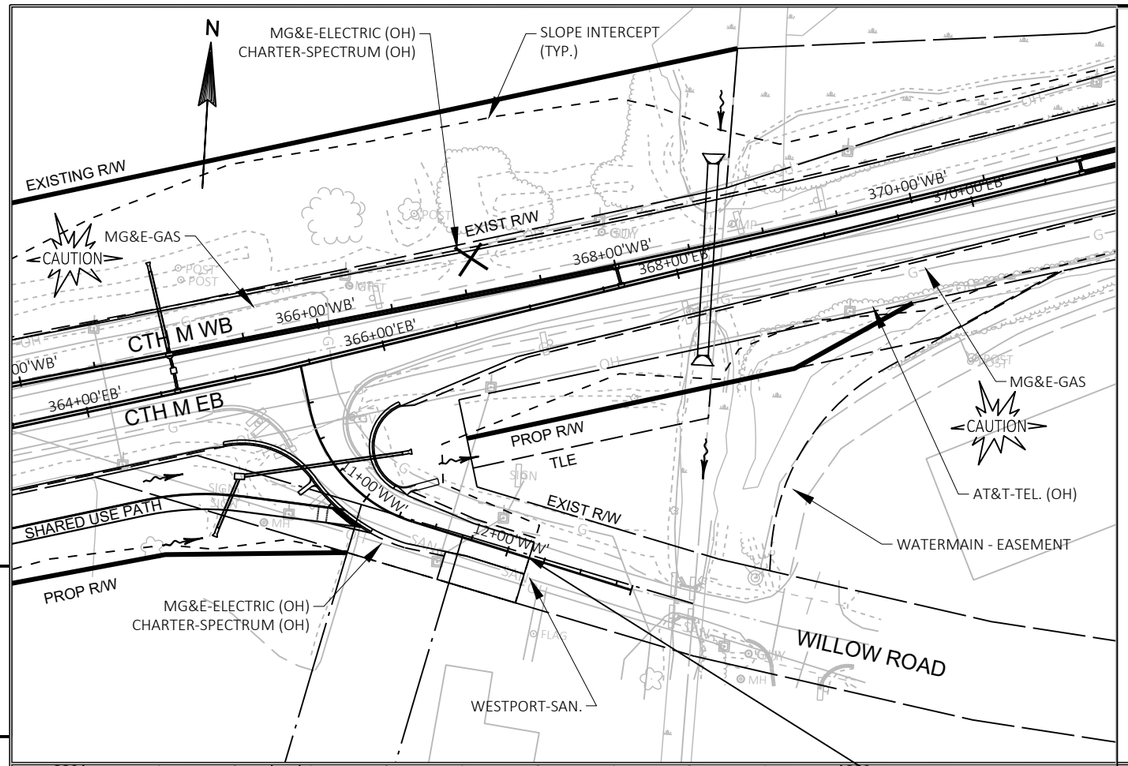


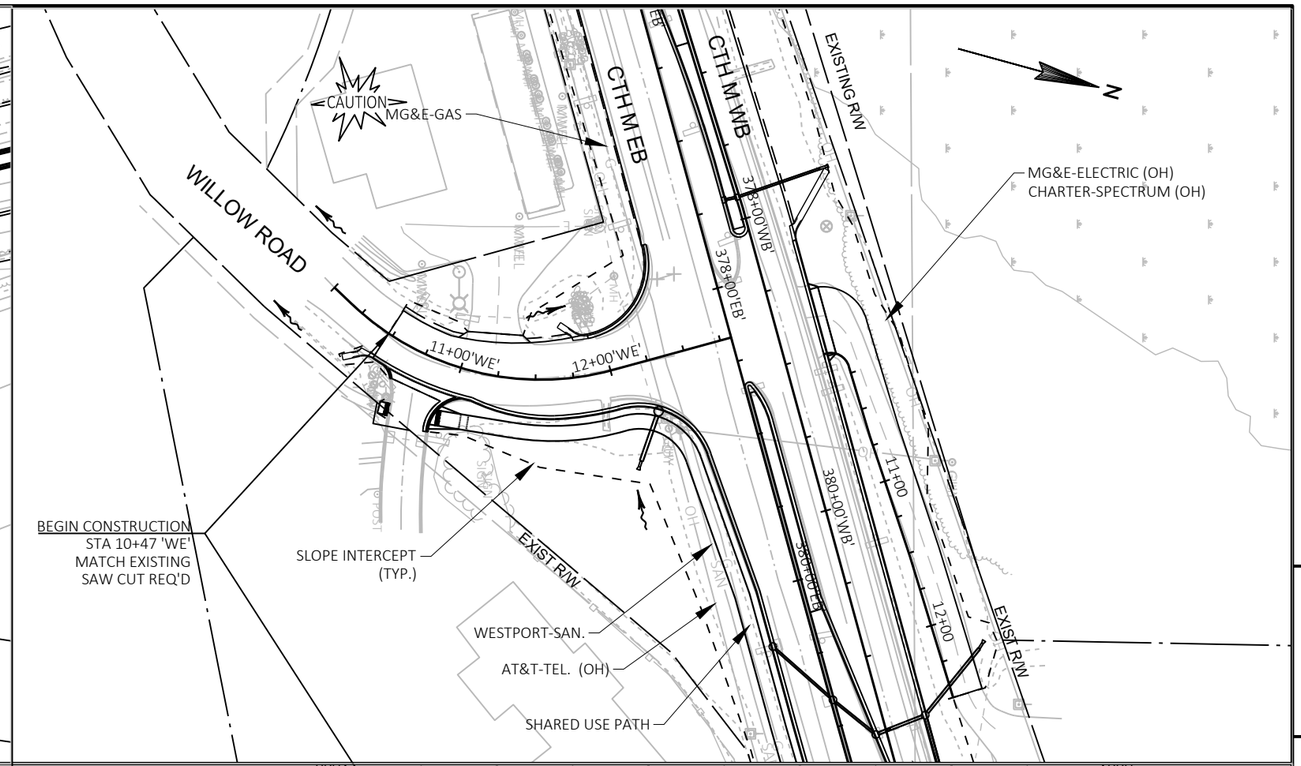
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: KUPFER ROAD & MARY LAKE ROAD	SHEET 499	E

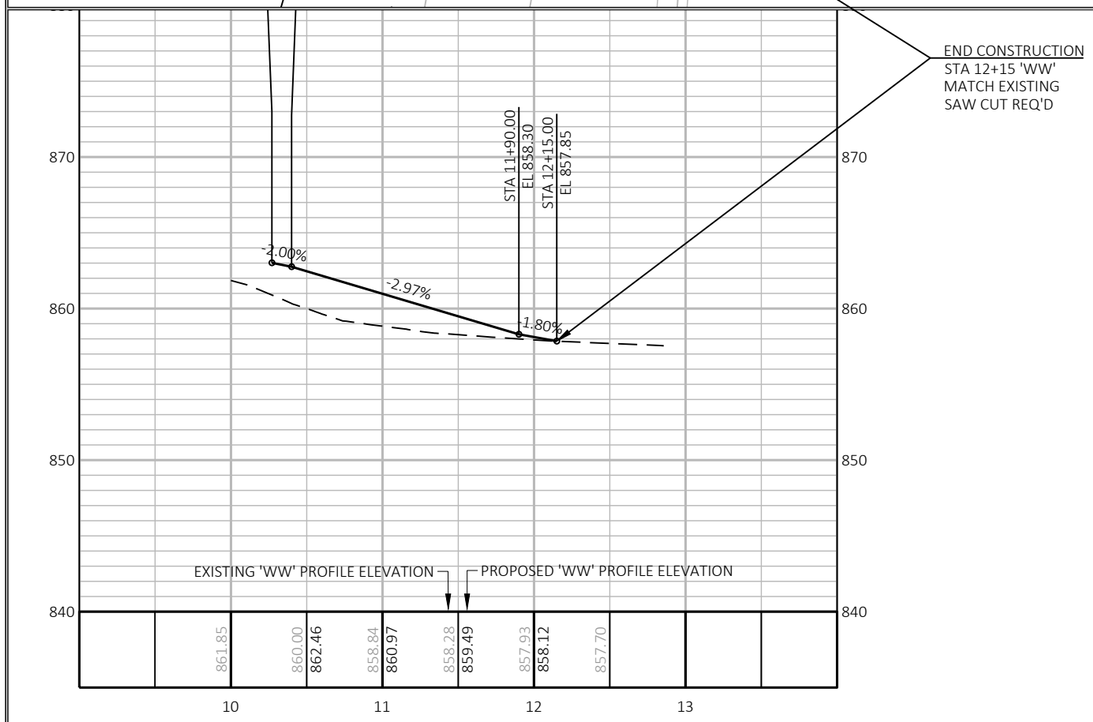
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (SIDEROADS).DWG
LAYOUT NAME - Mary Lake

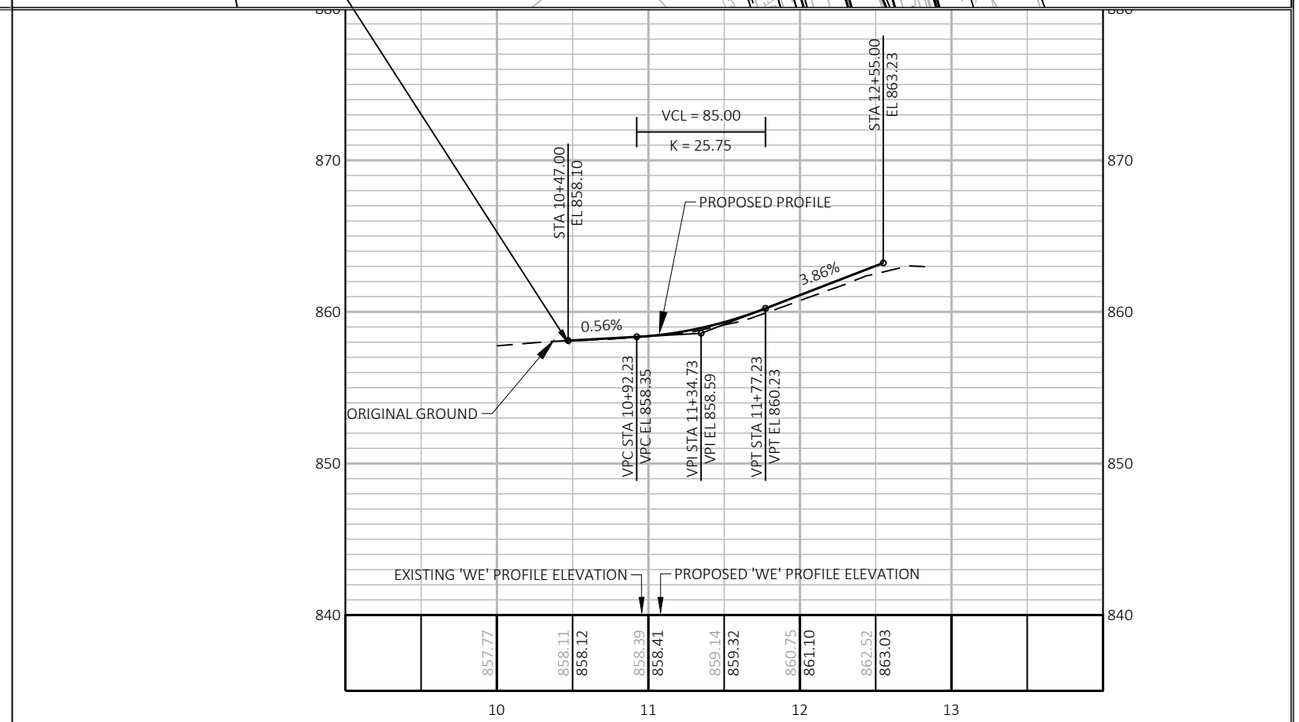
PLOT DATE : 1/26/2023 7:22 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44







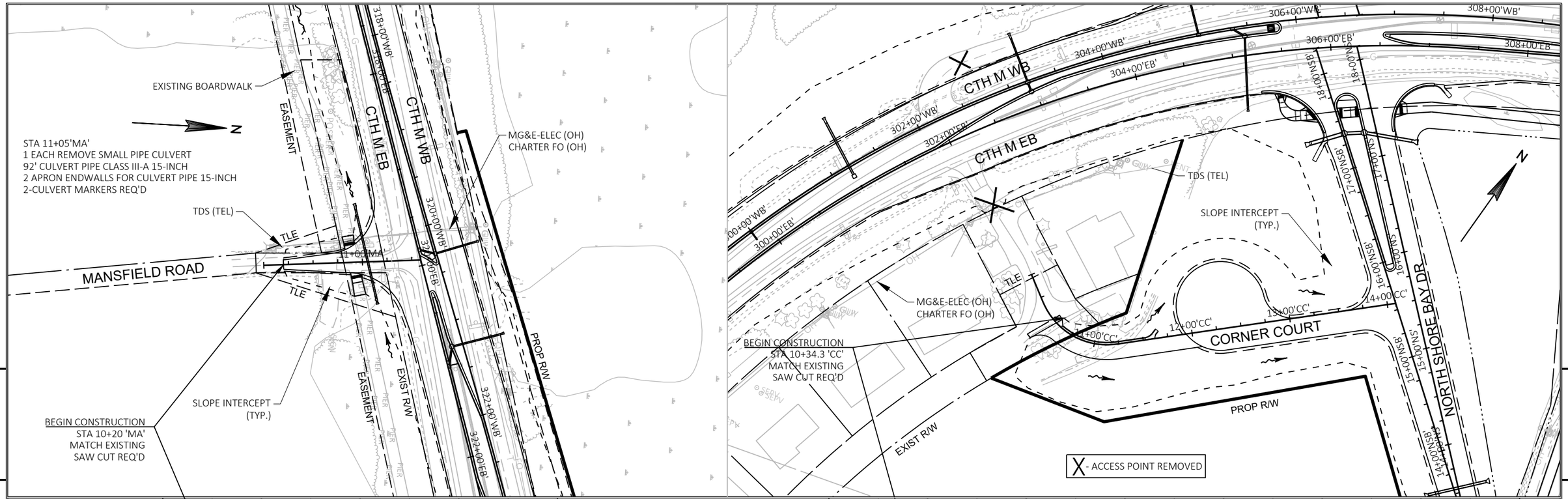


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: WILLOW ROAD (EAST & WEST)	SHEET 500	E

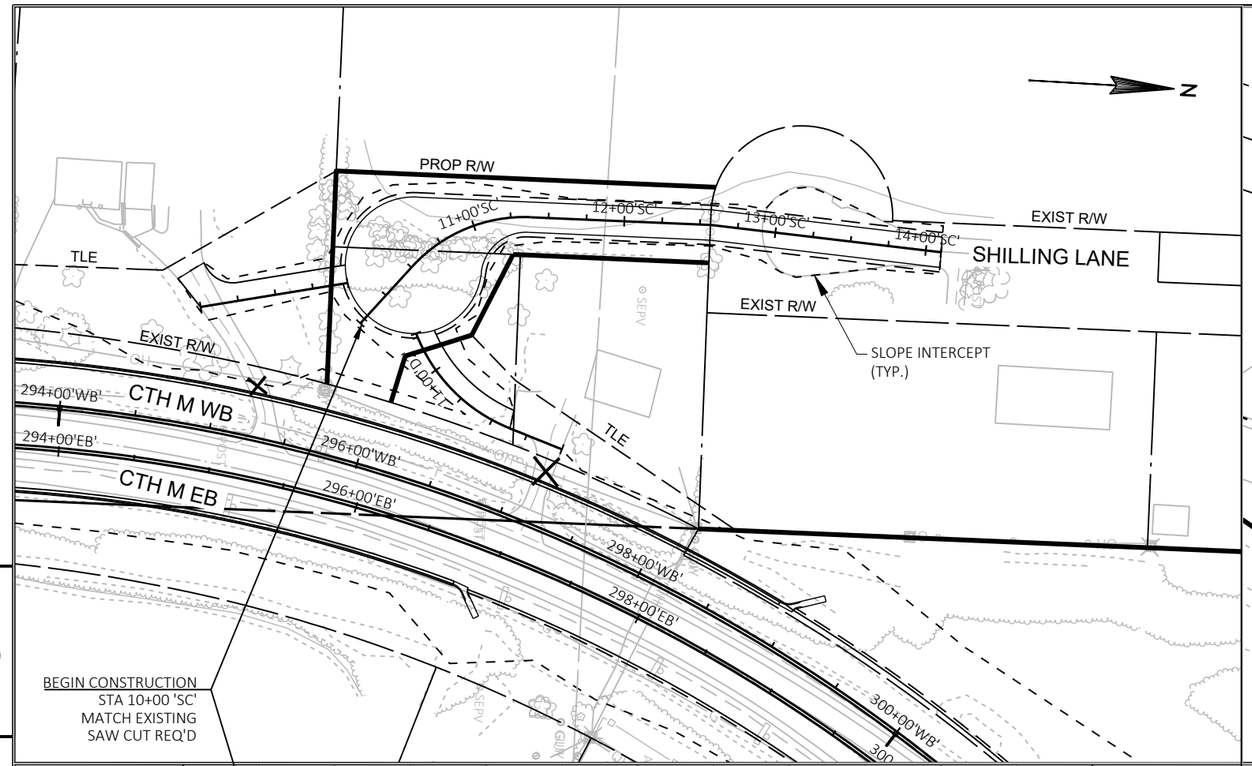
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (SIDEROADS).DWG
LAYOUT NAME - Willow Rd

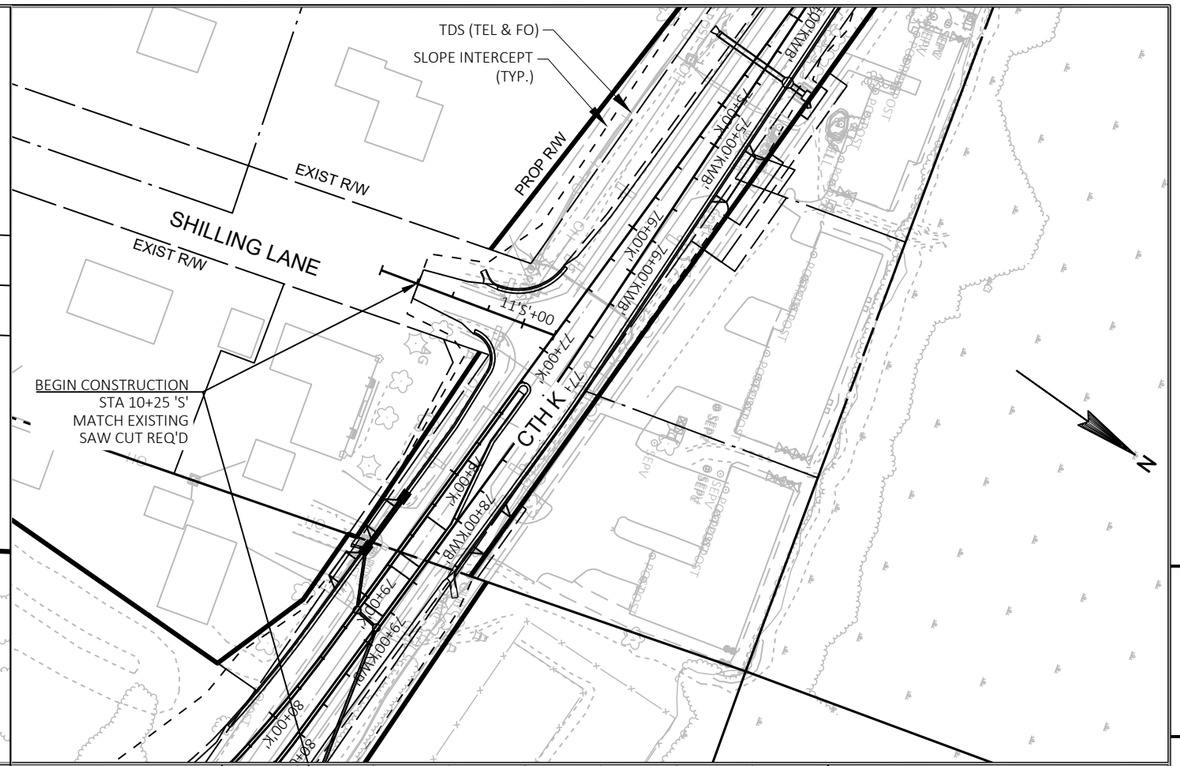
PLOT DATE : 1/26/2023 7:23 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

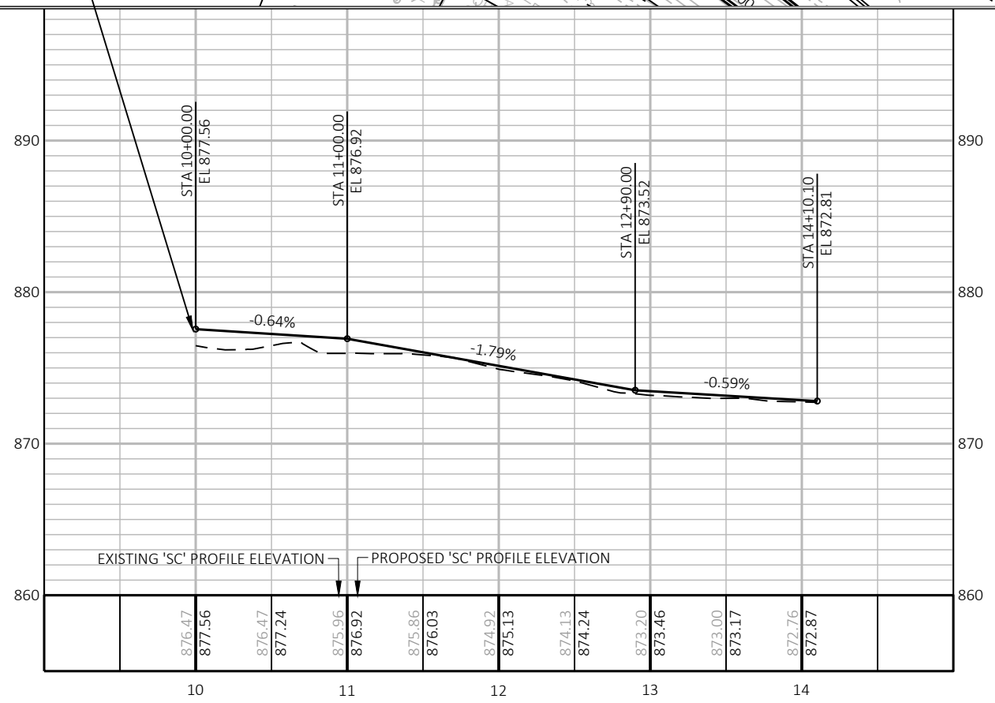
WISDOT/CADDS SHEET 44

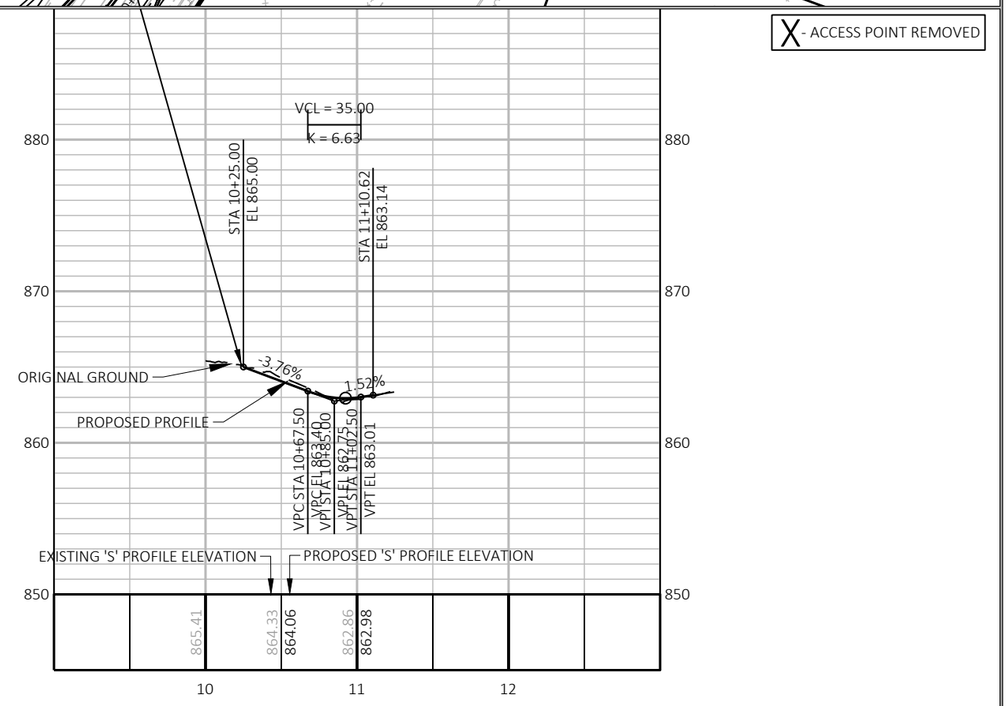


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: MANSFIELD ROAD AND CORNER COURT	SHEET 501	E

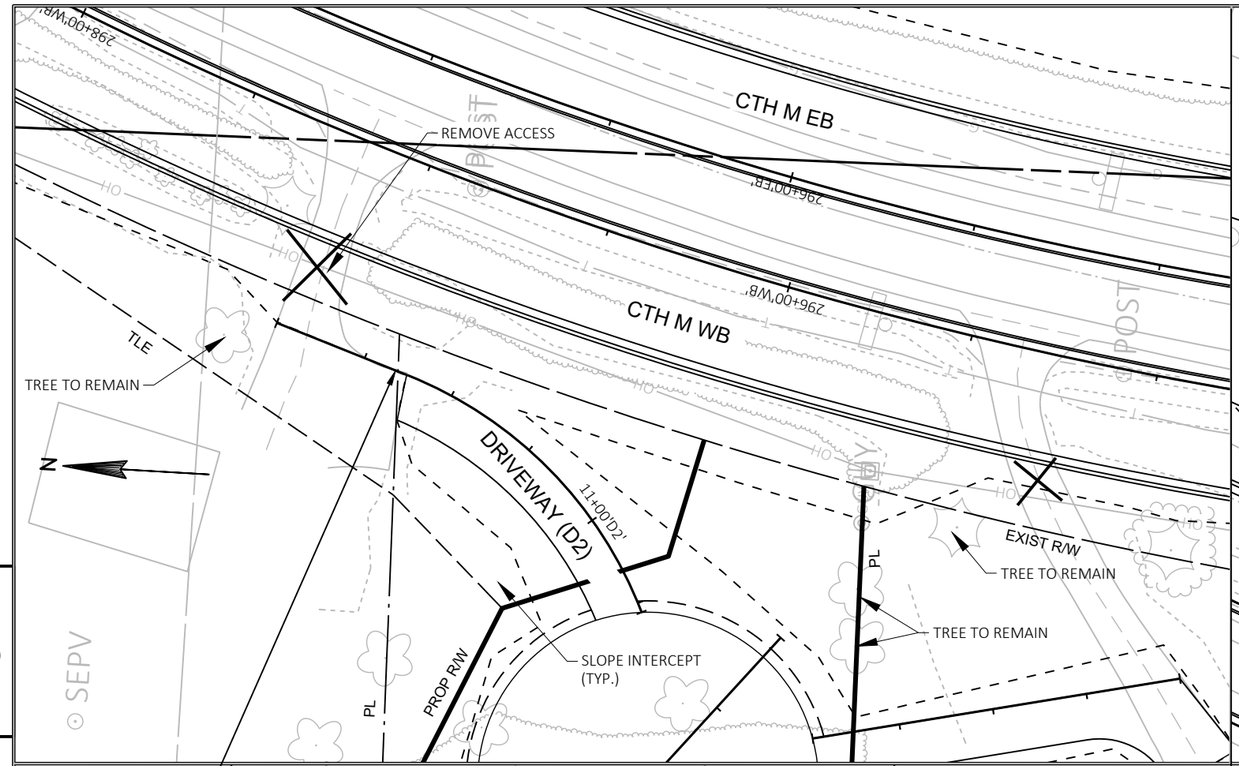


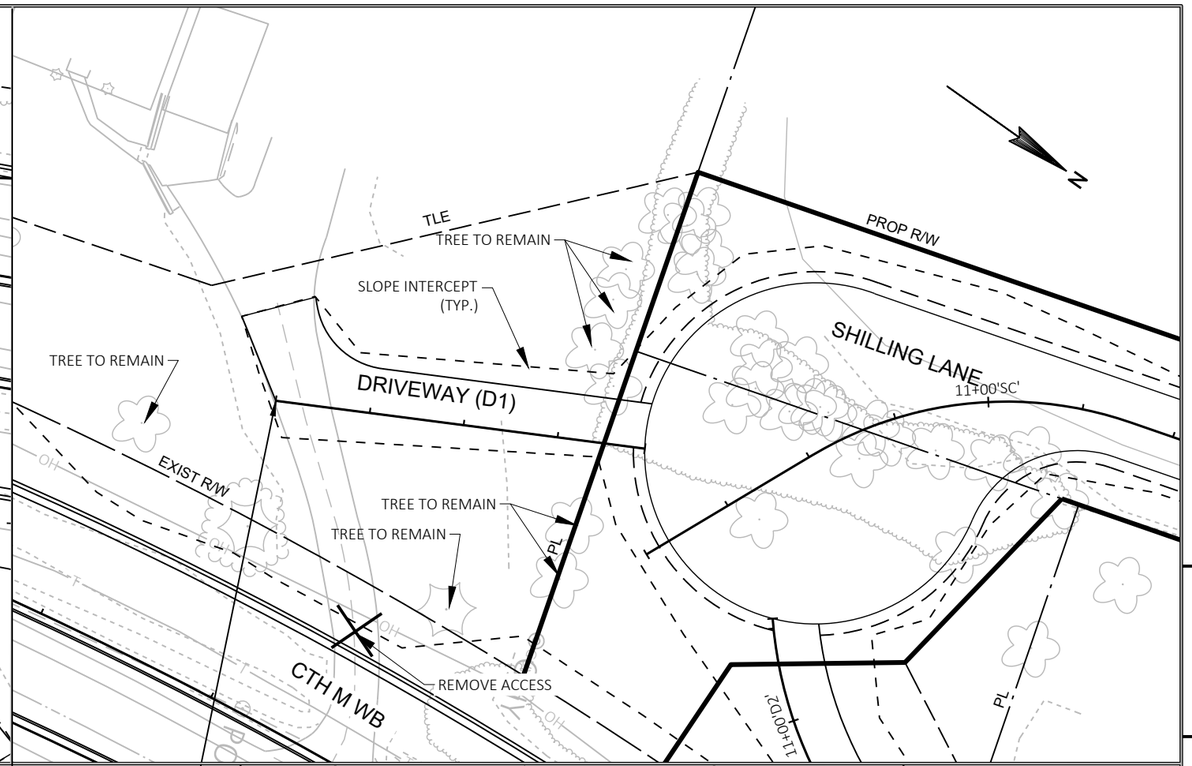




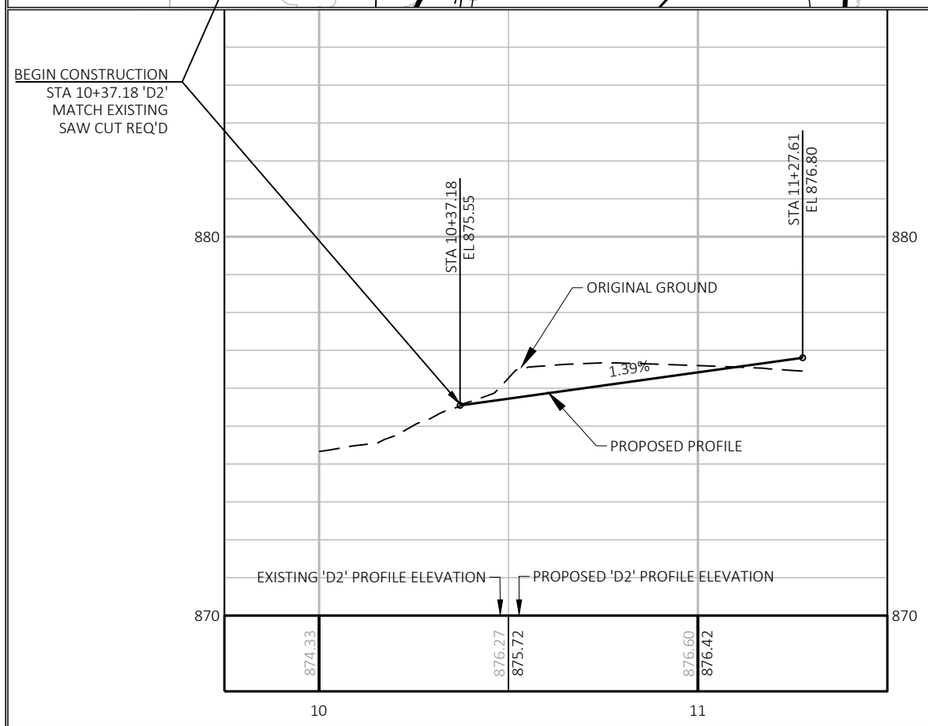


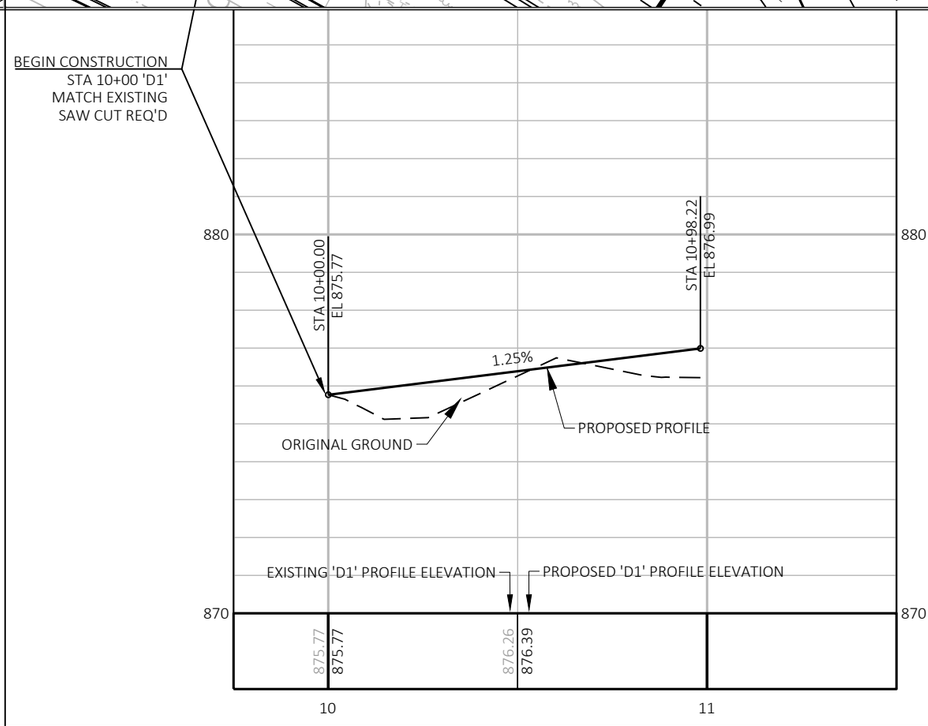
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: MANSFIELD ROAD AND CORNER COURT	SHEET 502 E



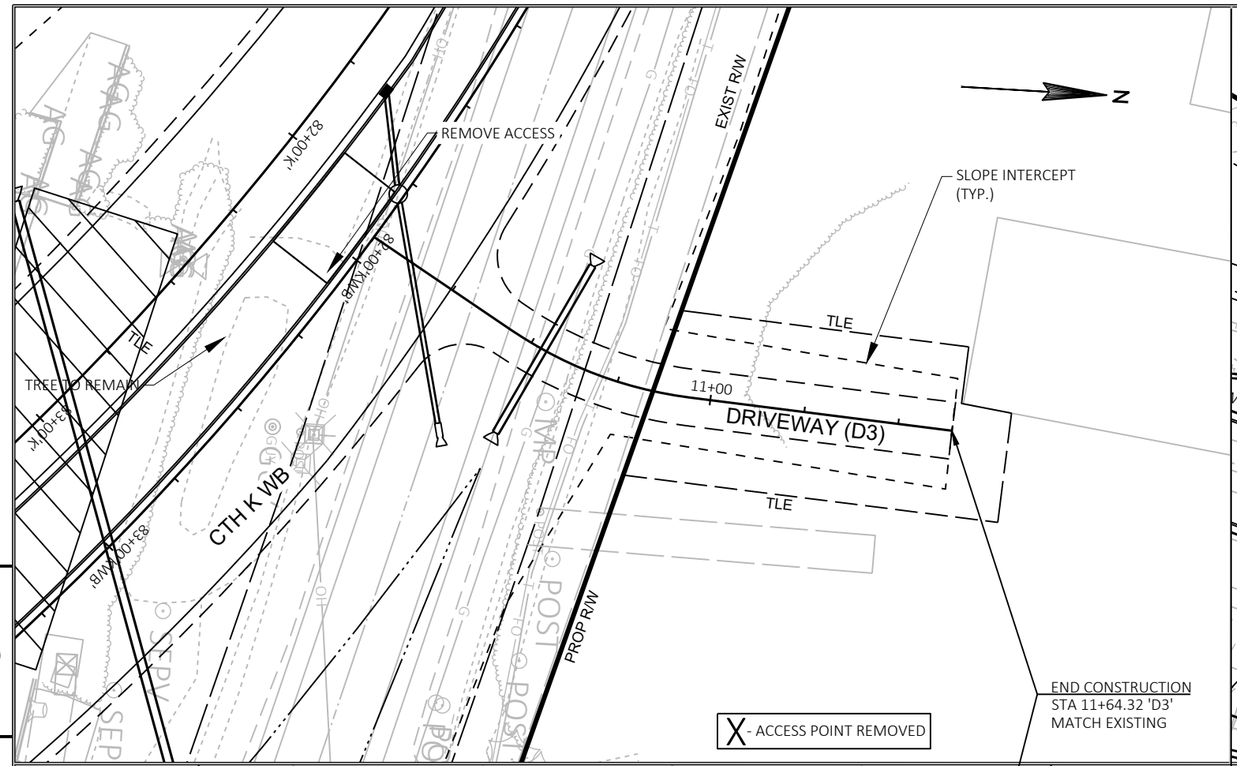


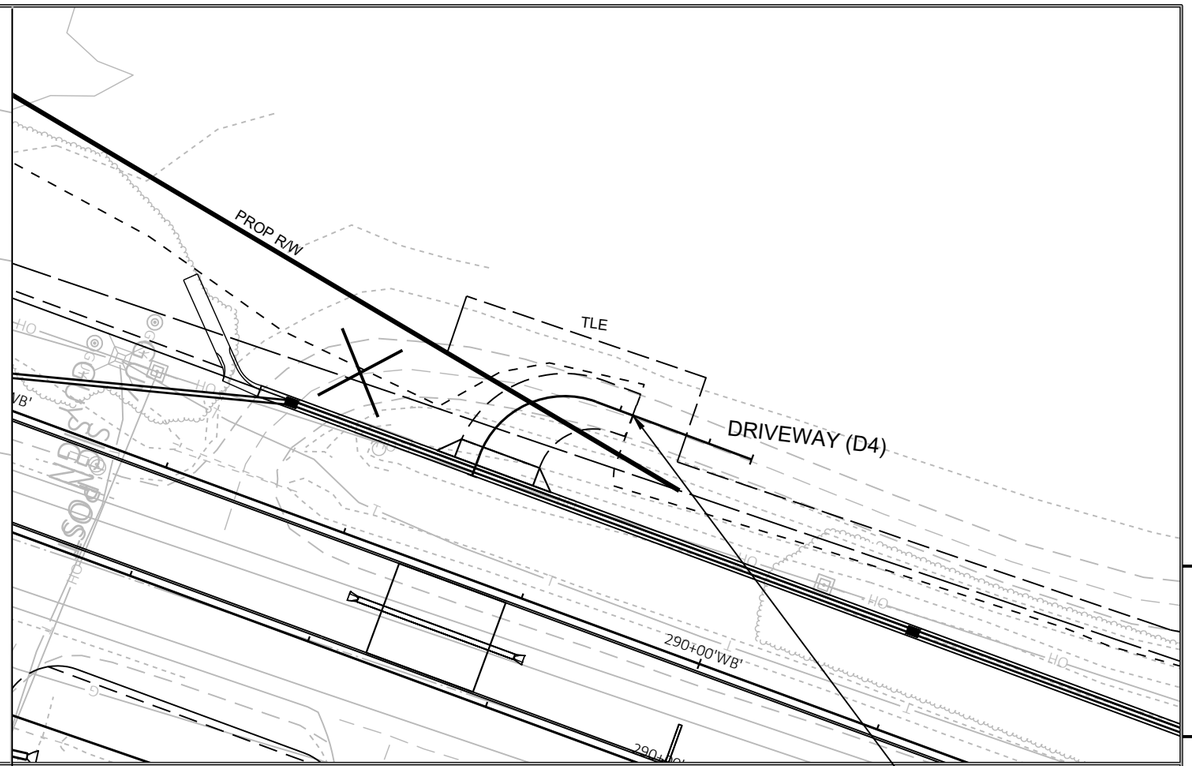
X- ACCESS POINT REMOVED

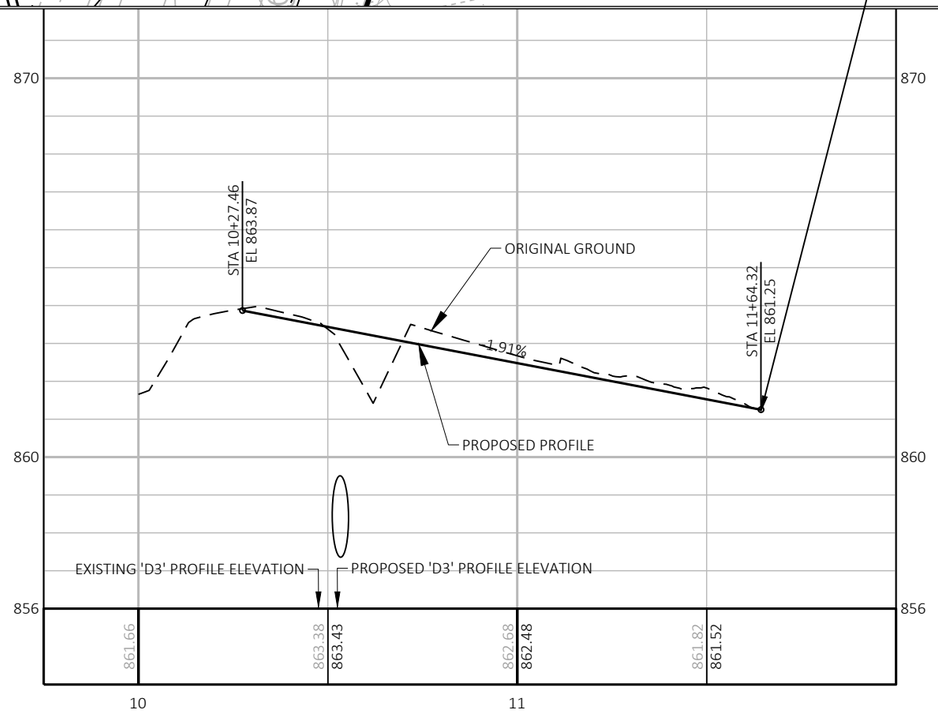


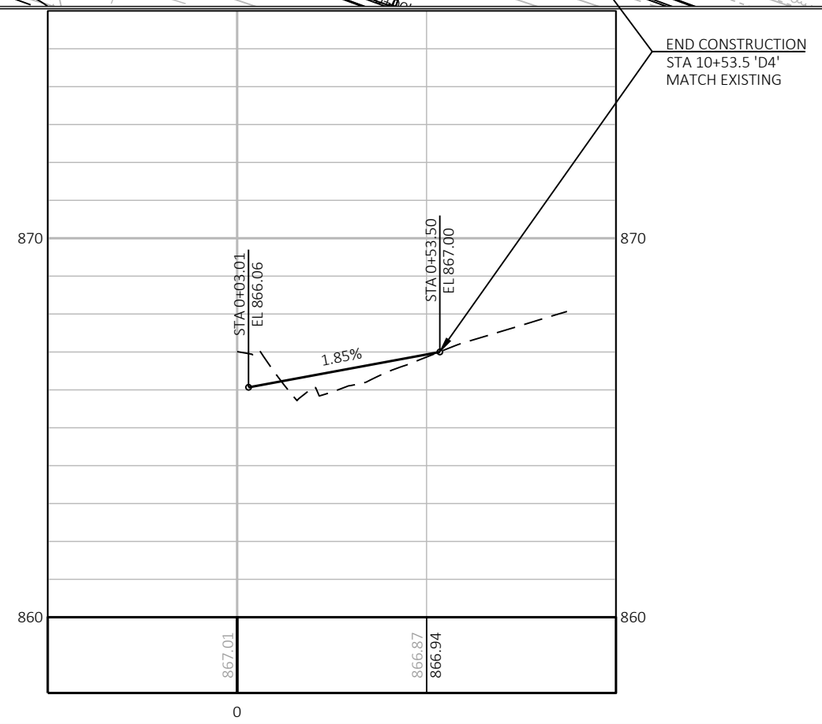


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: DRIVEWAYS	SHEET 503	E







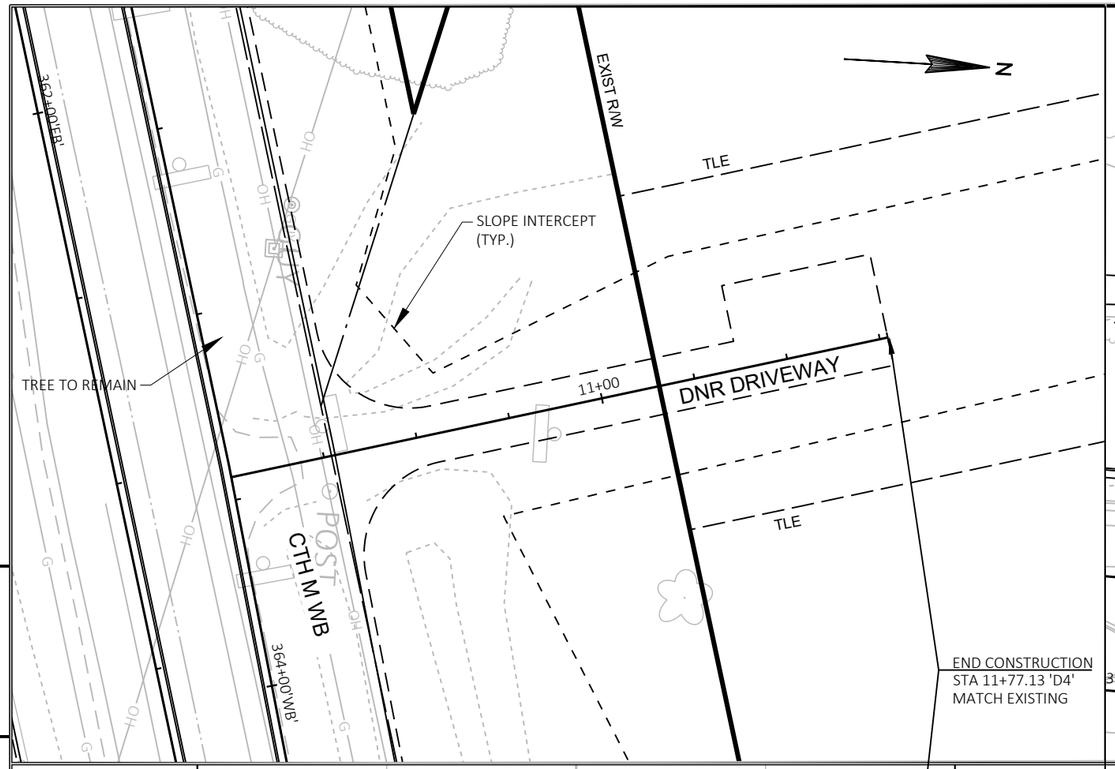


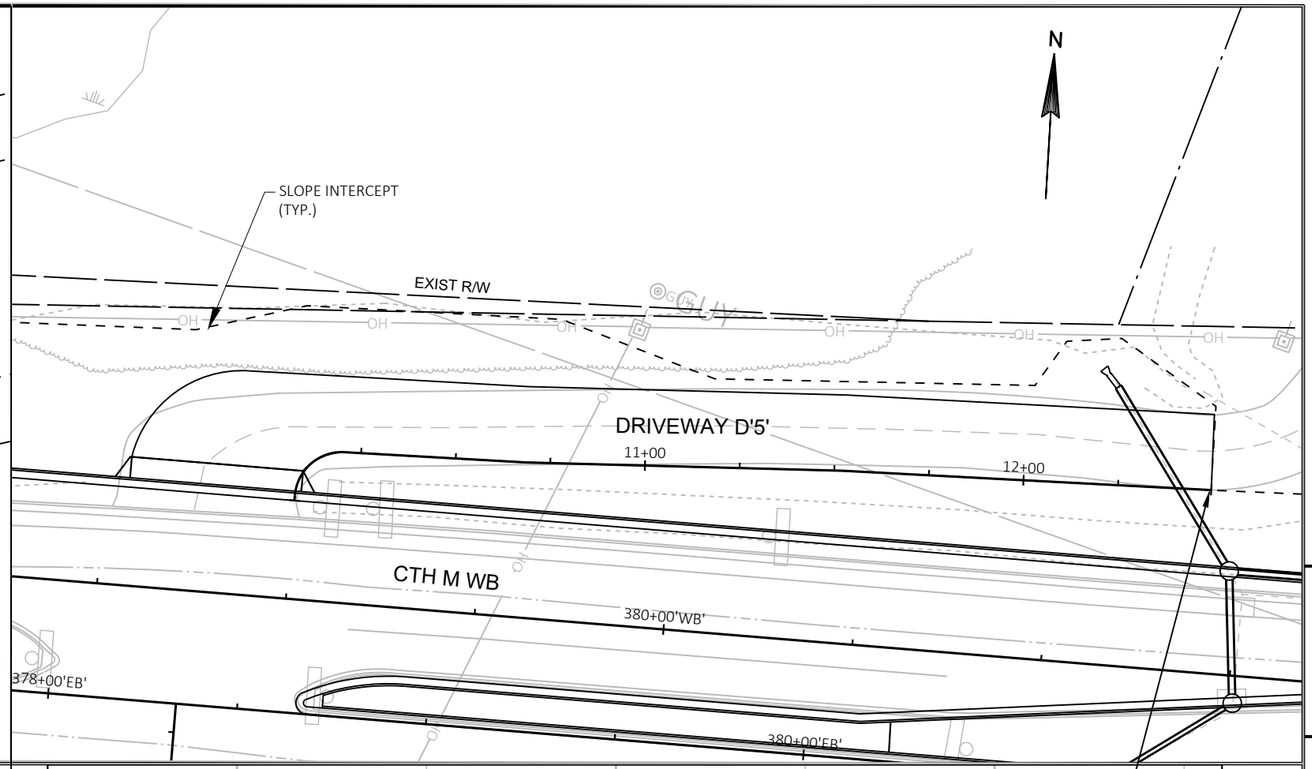
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: DRIVEWAYS	SHEET 504	E

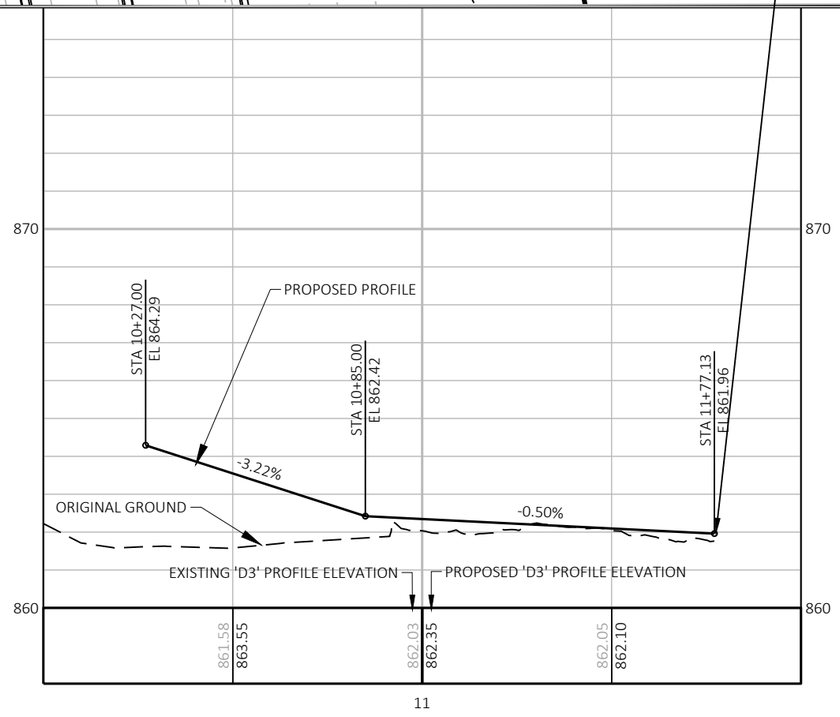
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (SIDEROADS).DWG
LAYOUT NAME - dwys

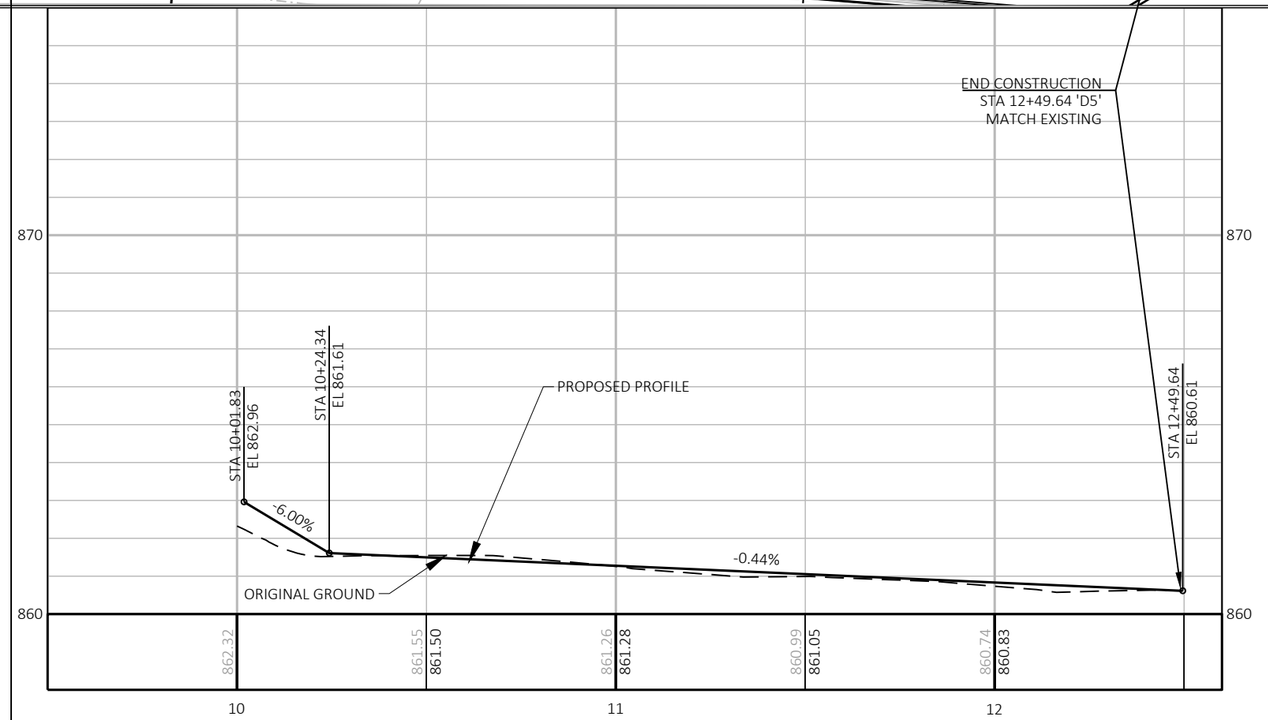
PLOT DATE : 1/26/2023 7:28 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44







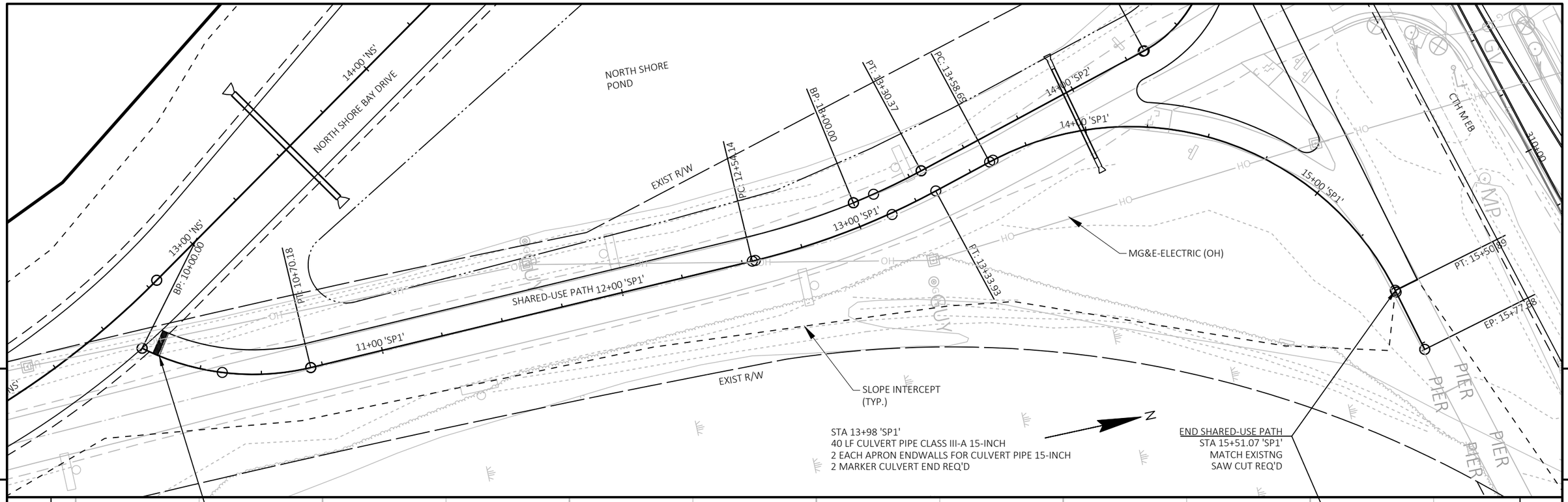


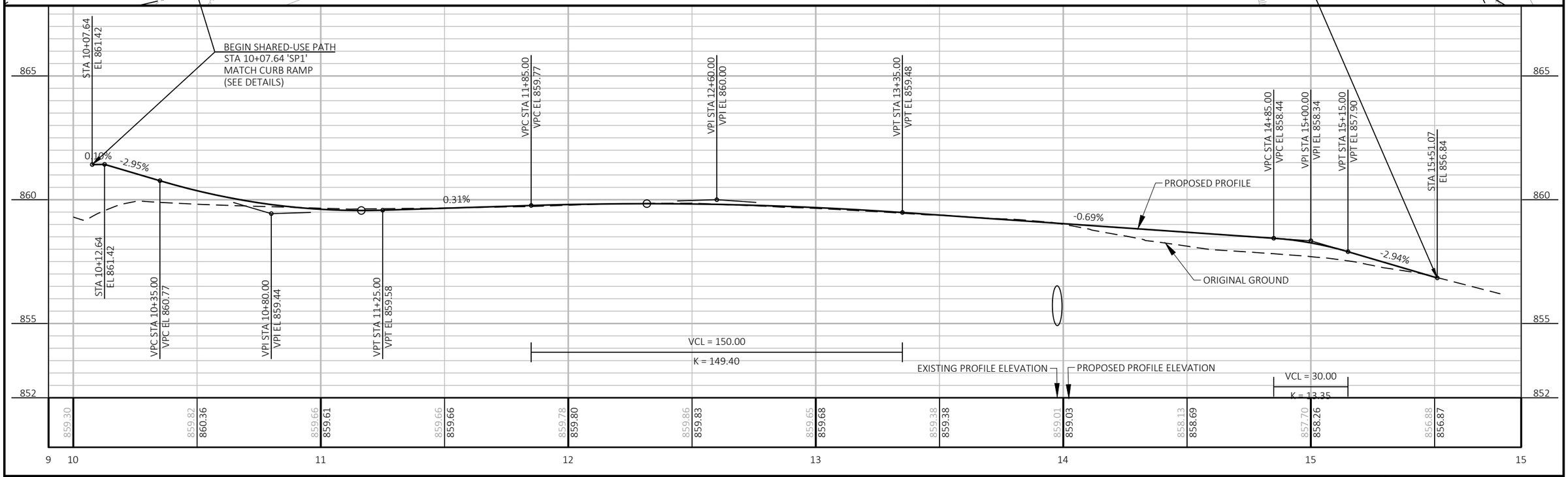
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: DRIVEWAYS	SHEET 505	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (SIDEROADS).DWG
LAYOUT NAME - dwys (2)

PLOT DATE : 1/26/2023 7:29 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



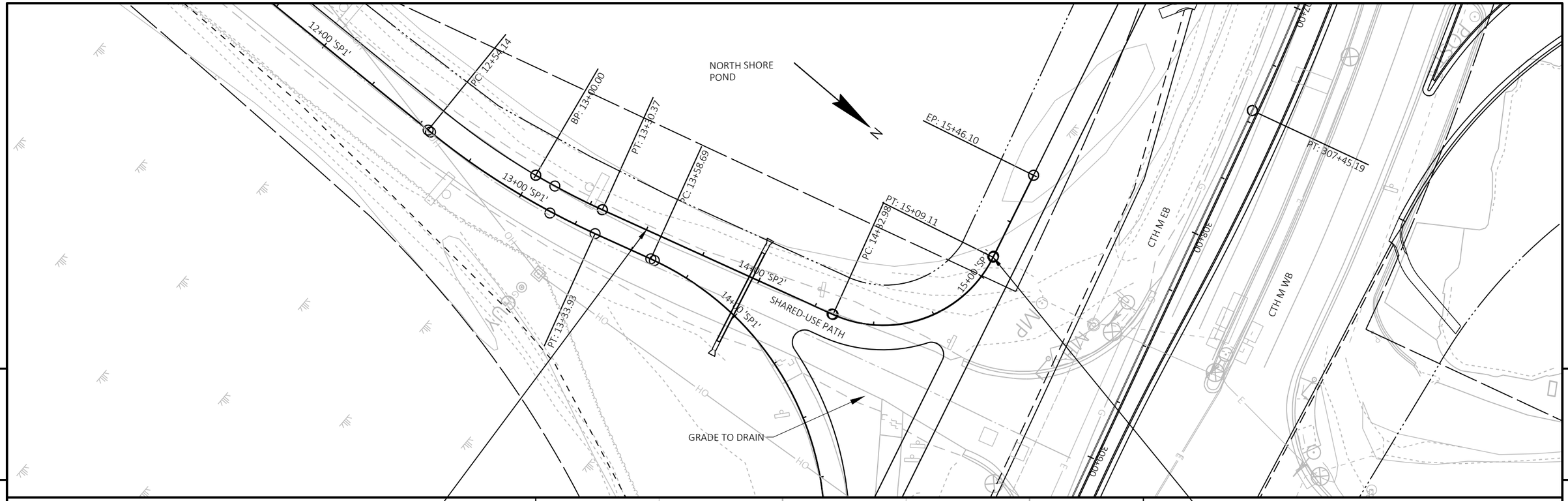


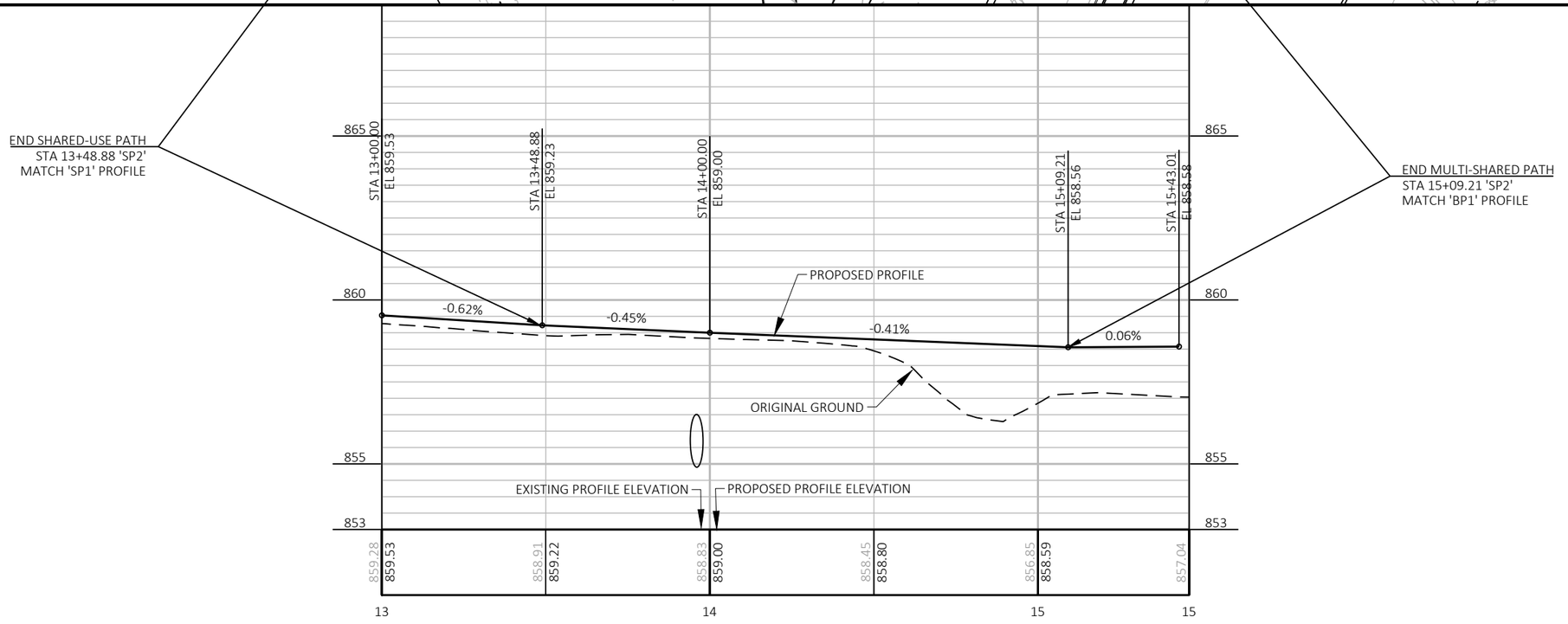
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: MULTI USE PATH SP1 & SP2	SHEET 506	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050105-PP (BIKE SPUR).DWG
LAYOUT NAME - 01

PLOT DATE : 3/27/2023 11:01 AM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



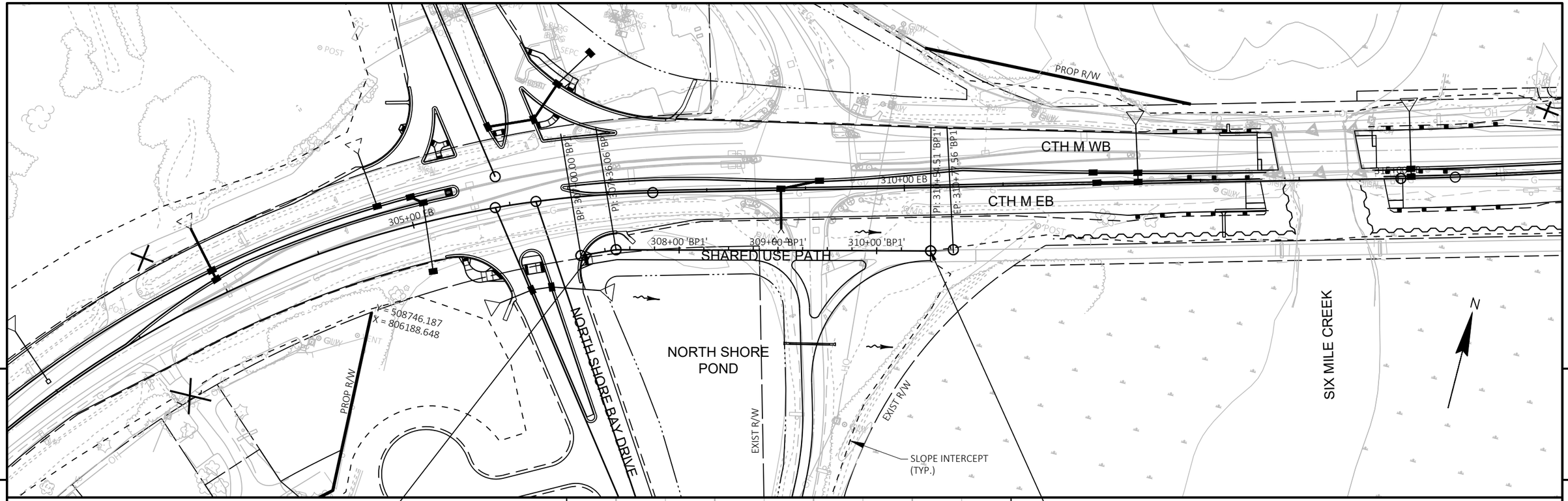


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: MULTI USE PATH SP1 & SP2	SHEET 507	E

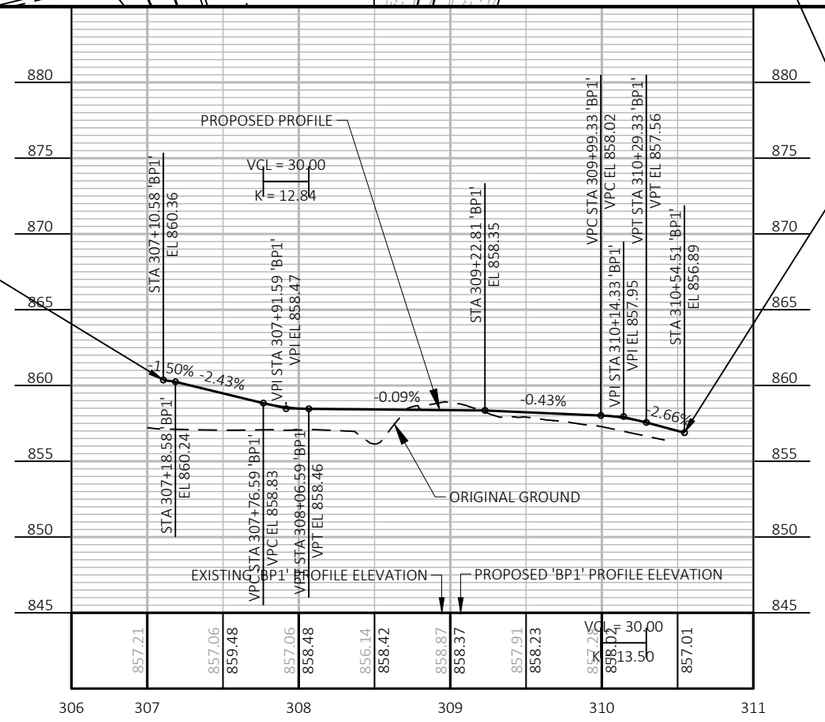
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050105-PP (BIKE SPUR).DWG
LAYOUT NAME - 02

PLOT DATE : 3/27/2023 11:01 AM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



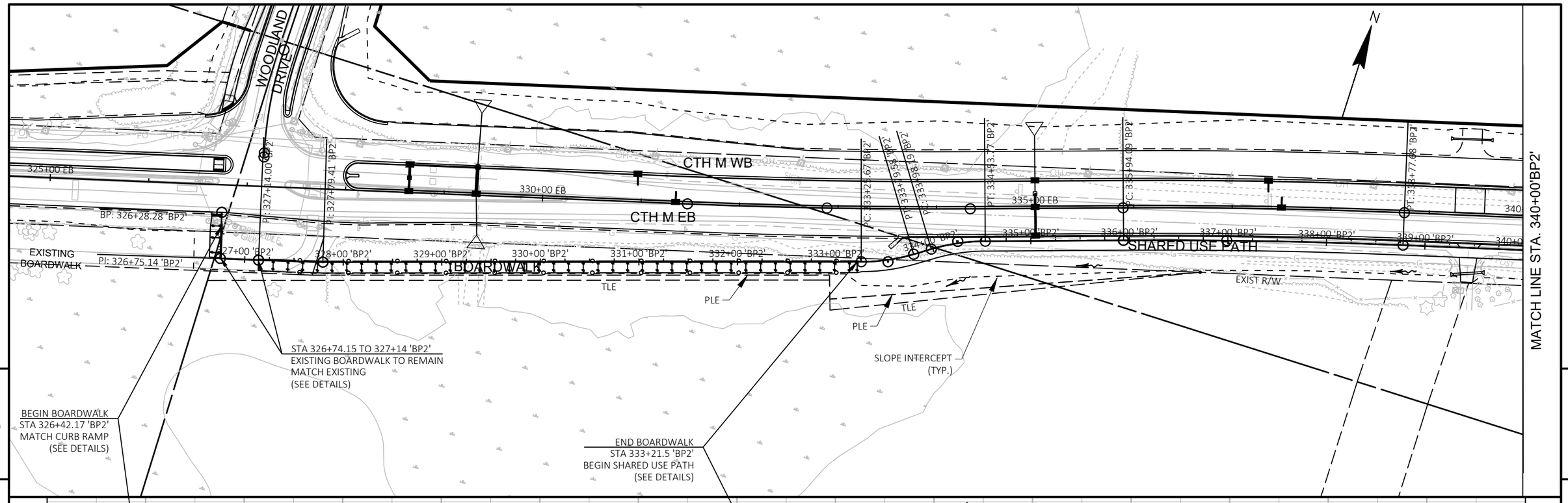
BEGIN SHARED USE PATH
STA 307+10.58 'BP1'
MATCH CURB RAMP
(SEE DETAILS)



END SHARED USE PATH
STA 310+41.52 'BP1'
MATCH EXISTING
SAW CUT REQUIRED

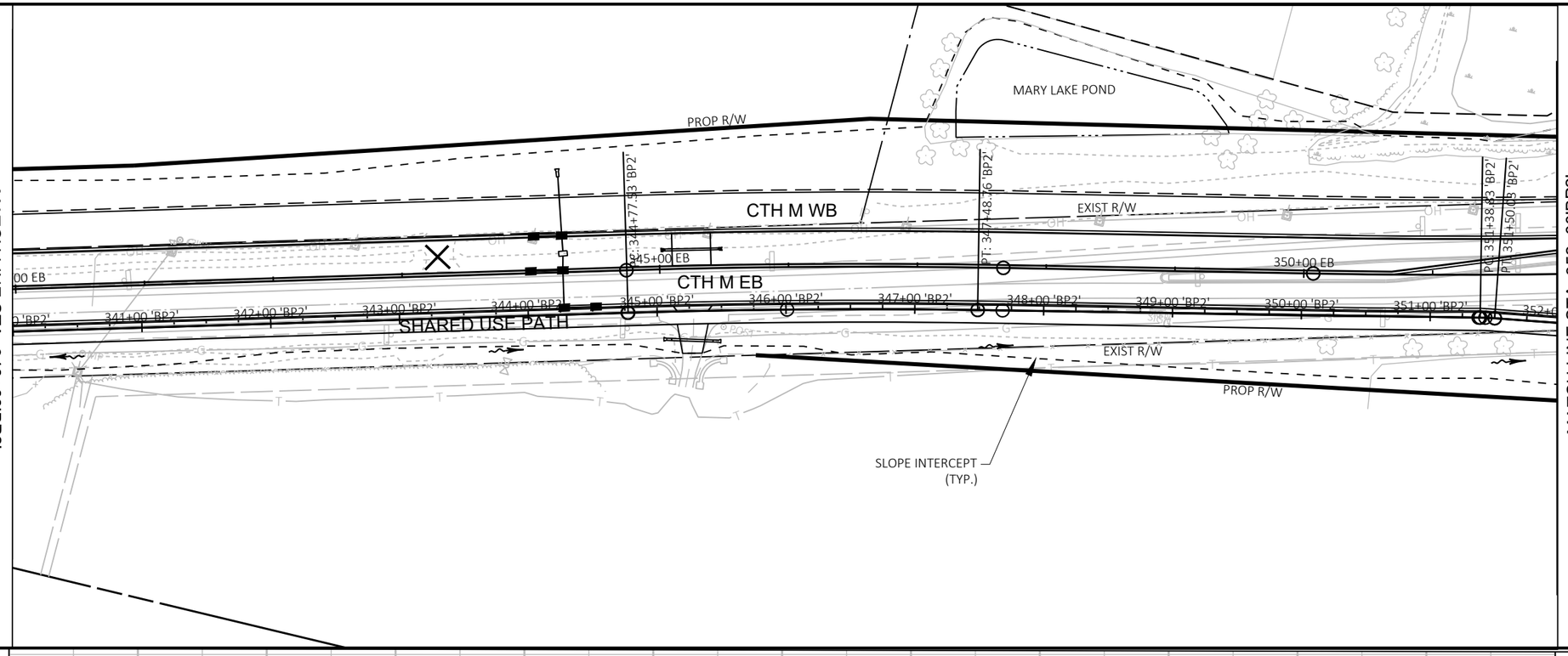
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: MULTI USE PATH - BP1	SHEET 508	E

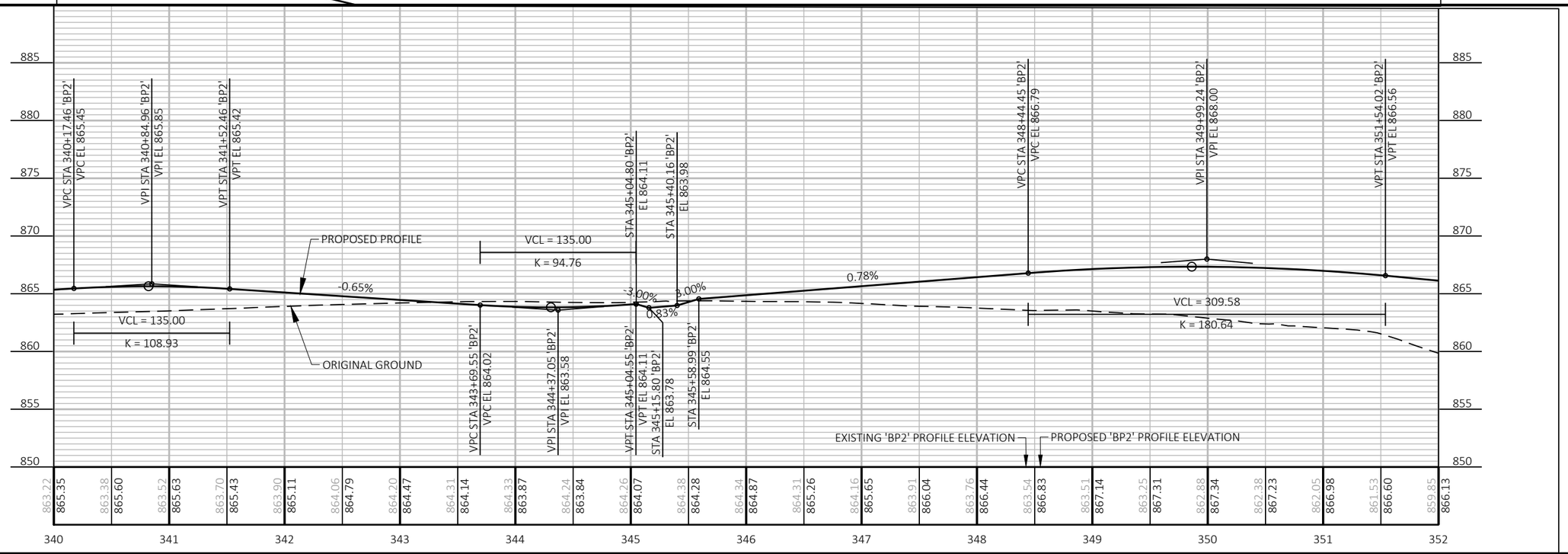
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050105-PP (MULTI USE PATH).DWG
LAYOUT NAME - 01
PLOT DATE : 3/27/2023 11:36 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: MULTI USE PATH - BP2	SHEET 509	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050105-PP (MULTI USE PATH).DWG
LAYOUT NAME - 02
PLOT DATE : 3/27/2023 11:36 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: MULTI USE PATH - BP2	SHEET 510 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050105-PP (MULTI USE PATH).DWG
LAYOUT NAME - 03
PLOT DATE : 3/27/2023 11:37 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

MATCH LINE STA. 352+00'BP2'

MARY LAKE RD

PROP R/W

CTH M WB

CTH M EB

SHARED USE PATH

PROP R/W

SLOPE INTERCEPT (TYP.)

N

WILLOW RD

EXIST R/W

KUPFER RD

MATCH LINE 354+99.41

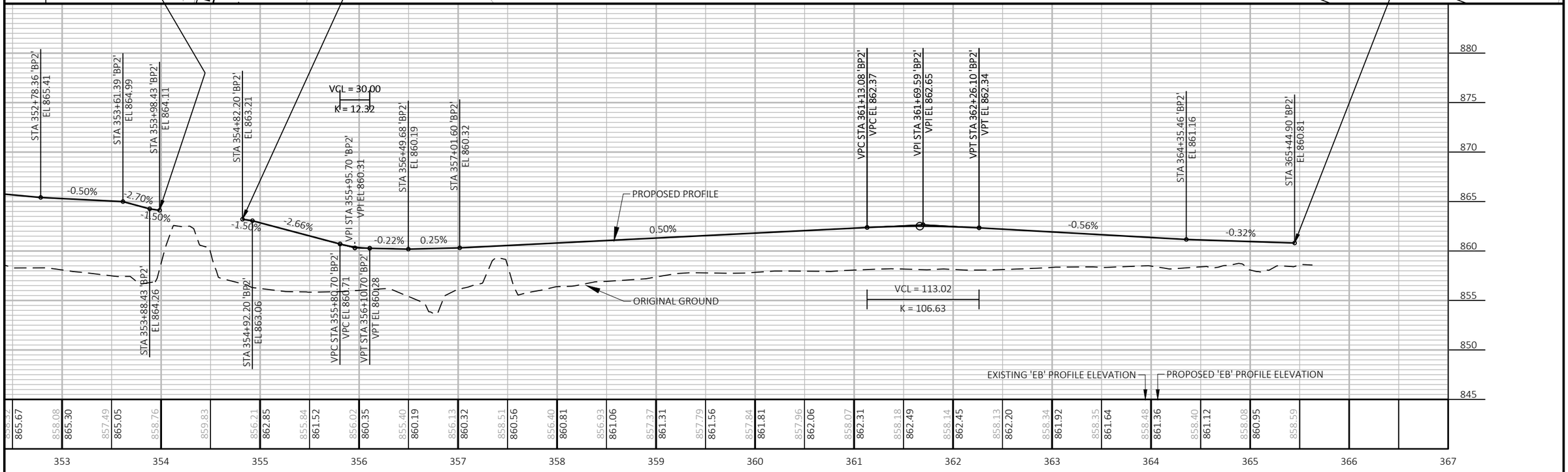
END SHARED USE PATH
STA 353+98.43 'BP2'
MATCH CURB RAMP
(SEE DETAILS)

BEGIN SHARED USE PATH
STA 354+82.20 'BP2'
MATCH CURB RAMP
(SEE DETAILS)

END SHARED USE PATH
STA 365+44.9 'BP2'
MATCH CURB RAMP
(SEE DETAILS)

5

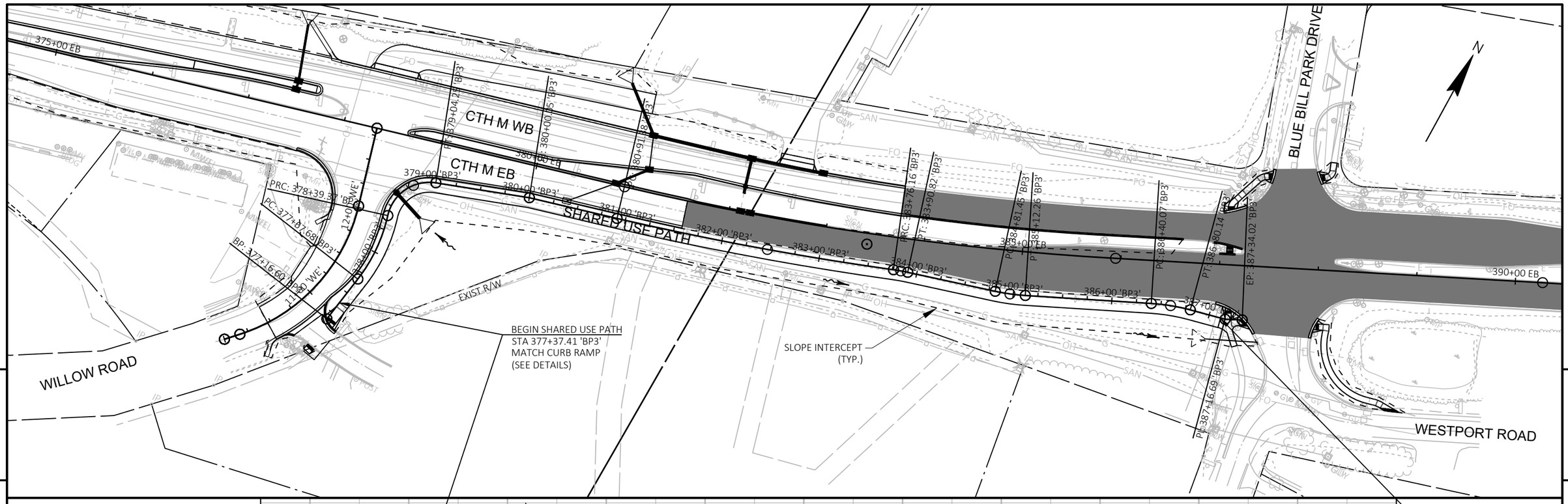
5

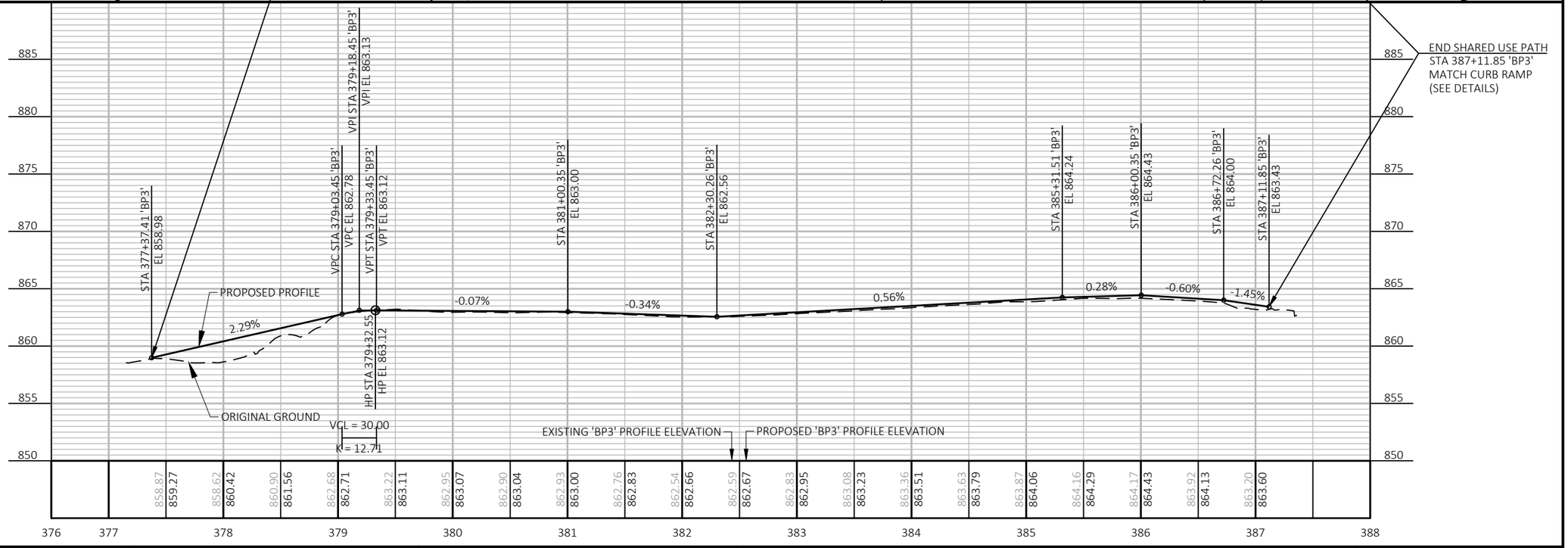


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: MULTI USE PATH - BP2	SHEET 511	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050105-PP (MULTI USE PATH).DWG
LAYOUT NAME - 04

PLOT DATE : 3/27/2023 11:38 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

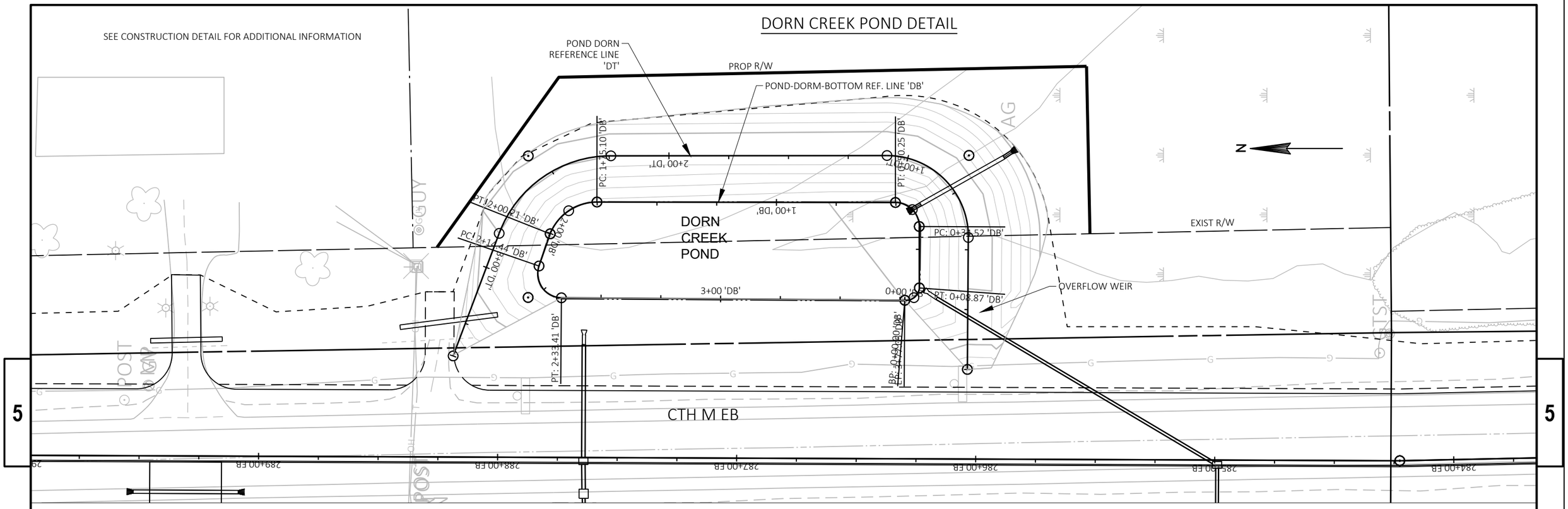


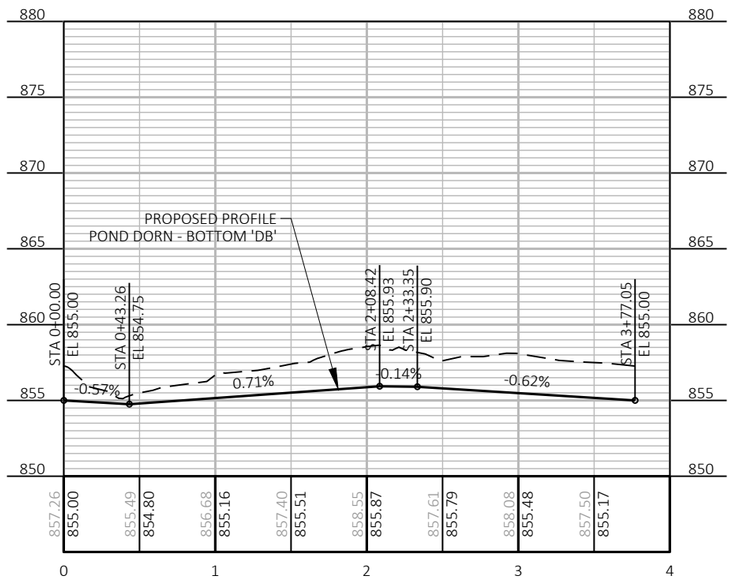


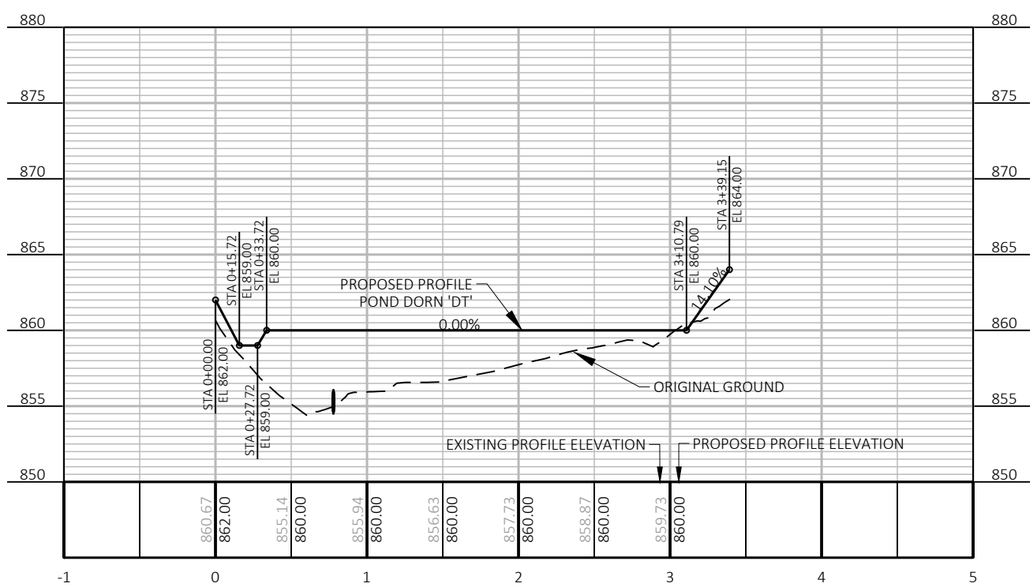
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: MULTI USE PATH - BP3	SHEET 512	E

DORN CREEK POND DETAIL

SEE CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION





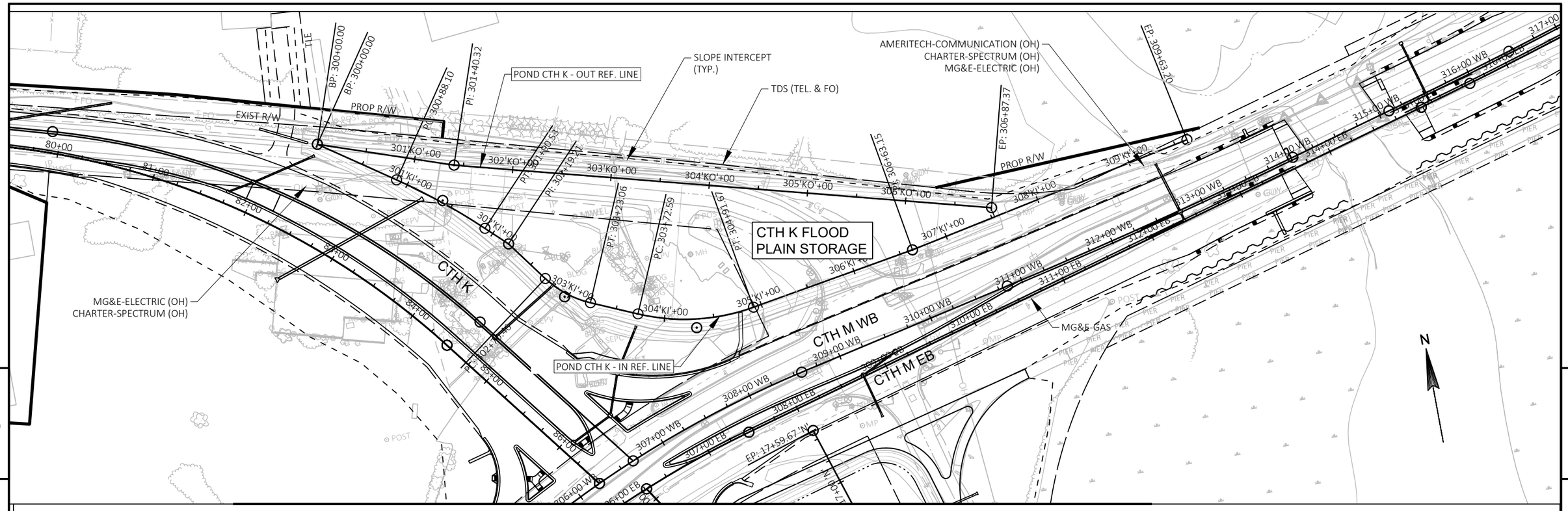


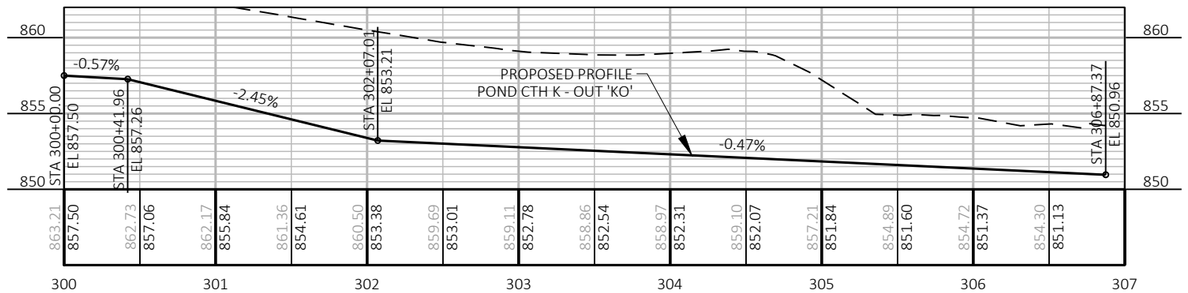
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: DORN CREEK POND	SHEET 513	E

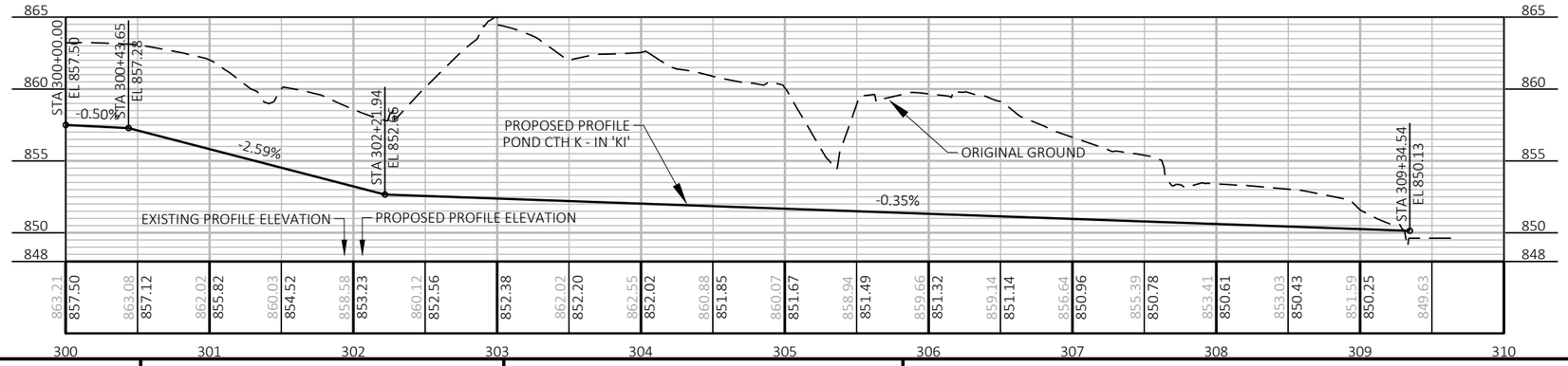
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050105-PP (PONDS).DWG
LAYOUT NAME - ****

PLOT DATE : 11/22/2022 3:15 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



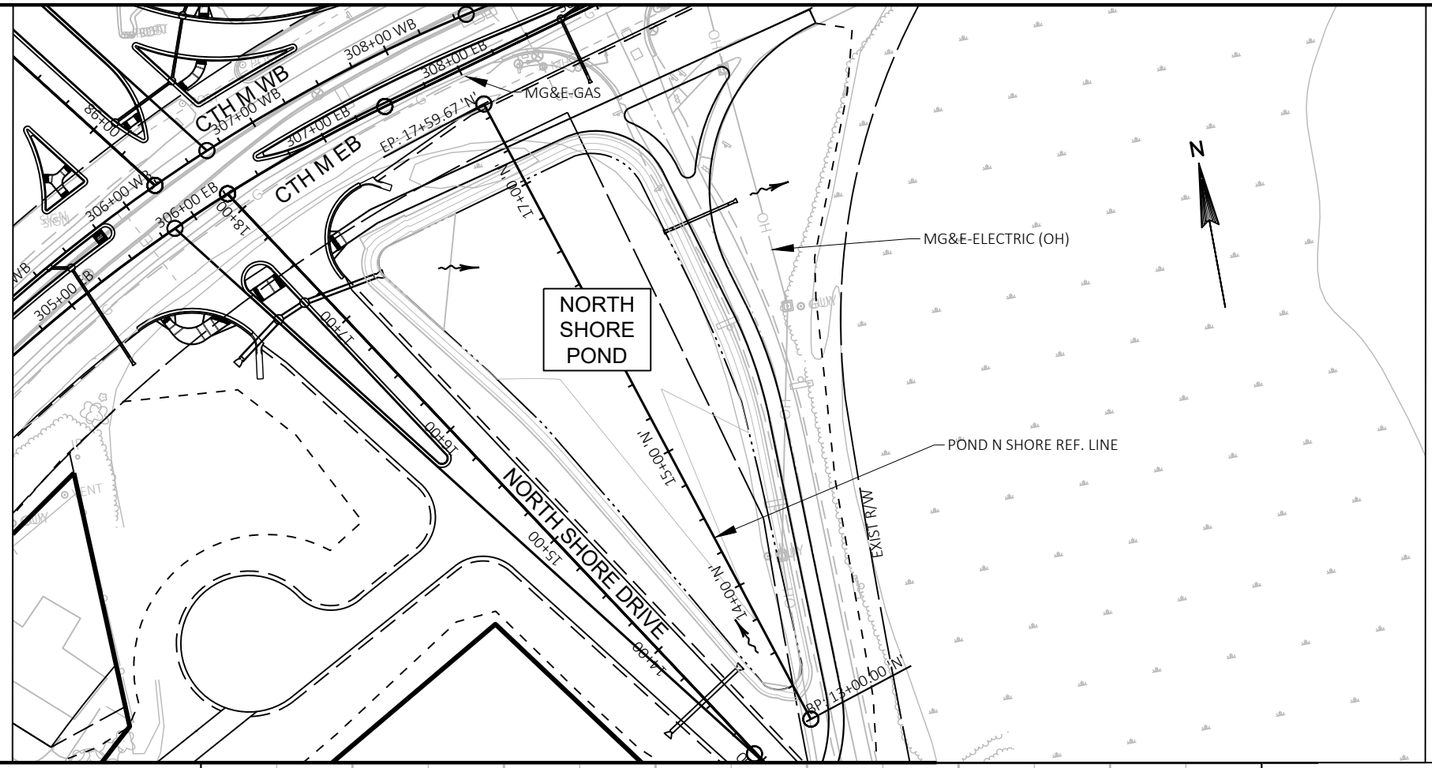




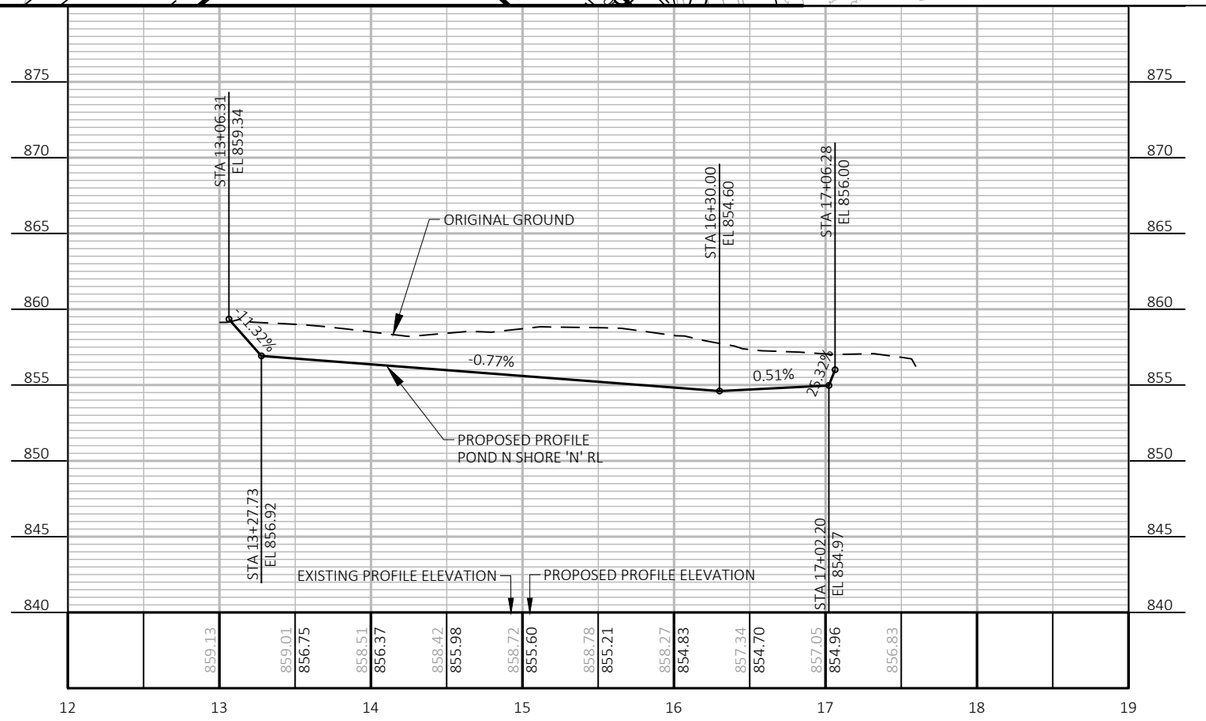
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: CTH K POND INSIDE AND OUTSIDE	SHEET 514	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050105-PP (PONDS).DWG
LAYOUT NAME - Pond-K

PLOT DATE : 11/22/2022 3:16 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT



SEE CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION

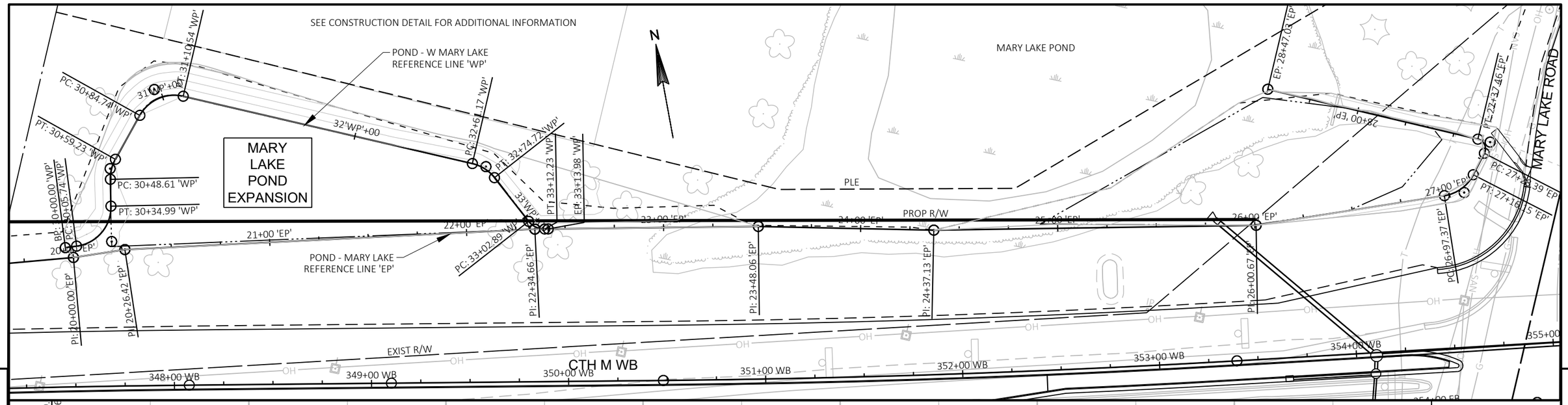


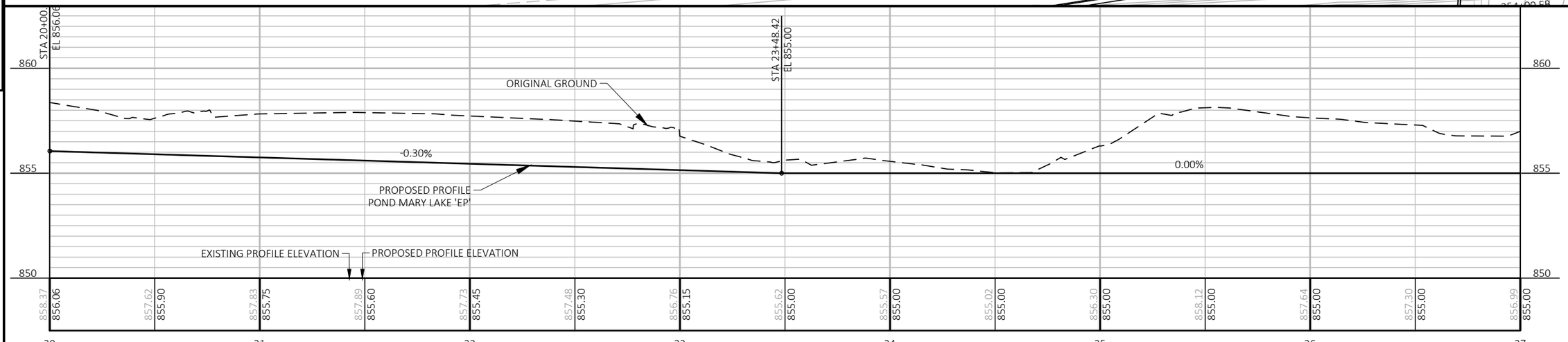
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: NORTH SHORE POND	SHEET 515	E

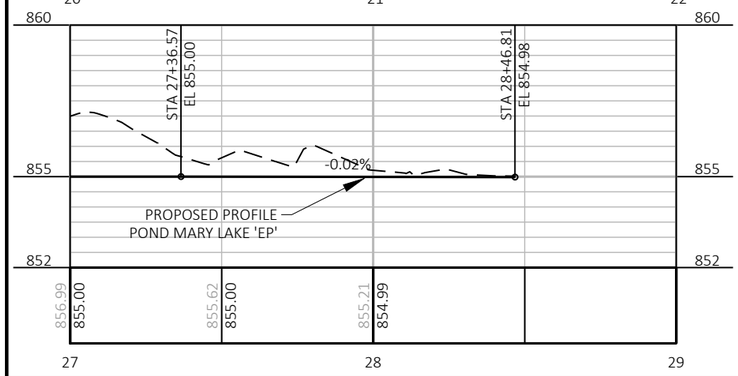
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050105-PP (PONDS).DWG
LAYOUT NAME - Pond-NS

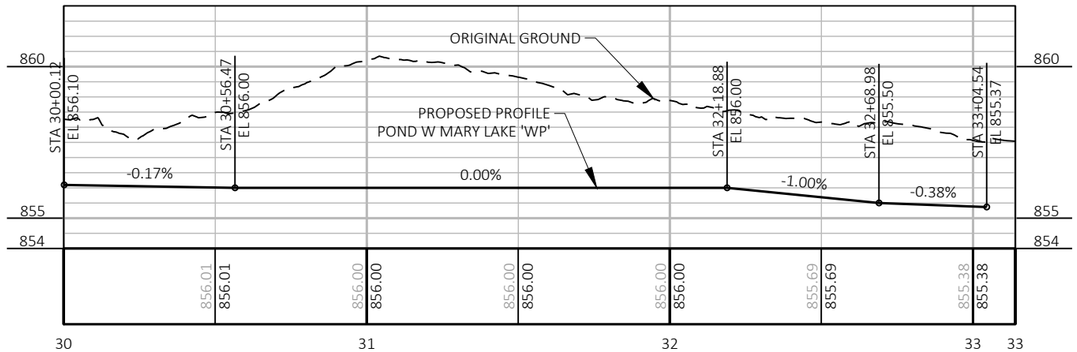
PLOT DATE : 11/22/2022 3:17 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44









PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	PLAN AND PROFILE: MARY LAKE POND EXPANSION	SHEET 516 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050105-PP (PONDS).DWG
LAYOUT NAME - Pond-ML

PLOT DATE : 11/22/2022 3:17 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:50 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
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-03	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08B10-02	MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D02-07A	CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES
08D02-07B	CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES
08D02-07C	CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES
08D04-06	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-03	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08D19-03	DRIVEWAY AND SIDEWALK RAMPS TYPE Z
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
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
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F06-04	REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN
08F07-05	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS
09B02-10	CONDUIT
09B04-12	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09D02-03	SIGNAL CONTROL CABINET
09E01-15A	POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2
09E01-15B	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY)
09E01-15D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09F10-04	LOOP DETECTOR INSTALLED IN EXISTING OR NEW ASPHALTIC PAVEMENT WITH NEW ASPHALTIC OVERLAY
09F13-04	LOOP DETECTOR INSTALLED IN EXISTING ASPHALTIC PAVEMENT
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
09G01-04A	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04C	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09H09-02	COMMUNICATION VAULT TYPE 1
11B02-02	CONCRETE MEDIAN NOSE
12A03-10	NAME PLATE (STRUCTURES)
13B01-10	PAVEMENT DETAILS FOR RAILROAD APPROACH
13B02-09A	CONCRETE PAVEMENT APPROACH SLAB
13B02-09B	STRUCTURAL APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB
13C19-03	HMA LONGITUDINAL JOINTS
14A02-01	TREE PLANTING DETAIL
14B07-16A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

6

Standard Detail Drawing List

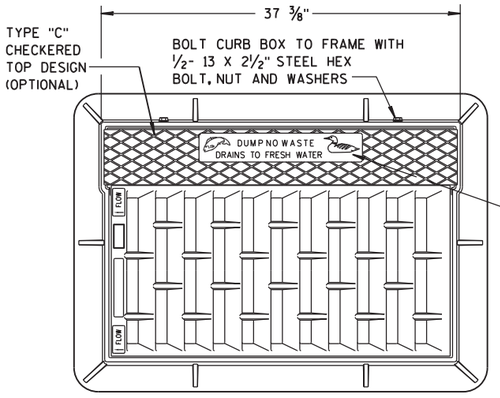
14B07-16B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16G	CONCRETE BARRIER TEMPORARY 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
14B29-01	SAFETY EDGE
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-05A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05E	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05G	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05H	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05I	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05J	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05K	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05L	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B47-04A	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-04B	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-04C	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-04D	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-04E	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-04F	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-04G	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15A04-07A	FLEXIBLE DELINEATOR POST
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-08F	ADVANCED WIDTH RESTRICTION SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-15A	PAVEMENT MARKING SYMBOLS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15E	PAVEMENT MARKING FOR BIKE LANES
15C08-22A	LONGITUDINAL MARKING (MAINLINE)
15C08-22C	PAVEMENT MARKING (TURN LANES)
15C08-22D	PAVEMENT MARKING (TURN LANES)
15C09-12A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C11-10A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-07A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS

6

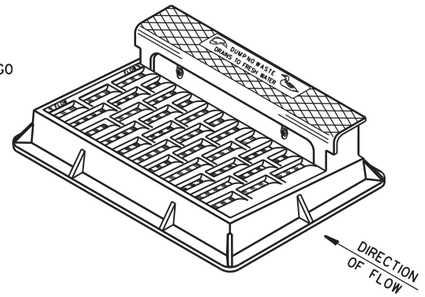
Standard Detail Drawing List

15C18-07B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C18-07C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C19-08C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C29-07A	BICYCLE LANE MARKING
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-05A	PAVEMENT MARKING (INTERSECTIONS)
15D11-08	TRAFFIC CONTROL, SINGLE LANE CROSSOVER
15D20-06A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D29-06	TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD
15D30-08A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-08B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-08C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-08D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-08E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-08F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-08G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-08H	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-08I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-08J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-08K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D40-04A	TRAFFIC CONTROL, FULL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D40-04C	TRAFFIC CONTROL, PARTIAL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D41-02	TRAFFIC CONTROL, MULTIPLE LANE SHIFT, MULTILANE DIVIDED ROAD
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
15D45-03	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
16A01-07	LANDMARK REFERENCE MONUMENTS AND COVERS

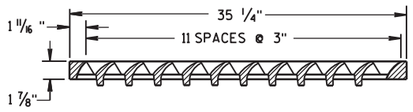
6

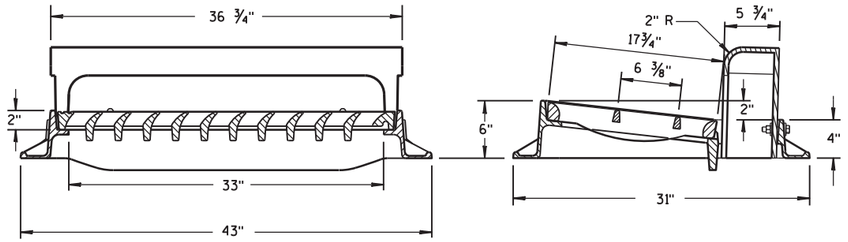


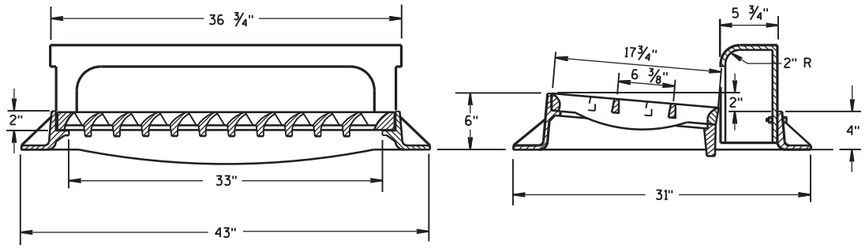
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

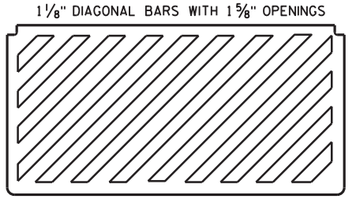






TYPE "H"

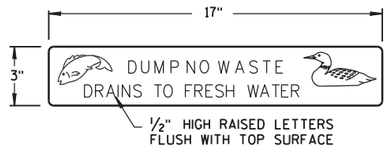
NOTE: EITHER CASTING IS ACCEPTABLE



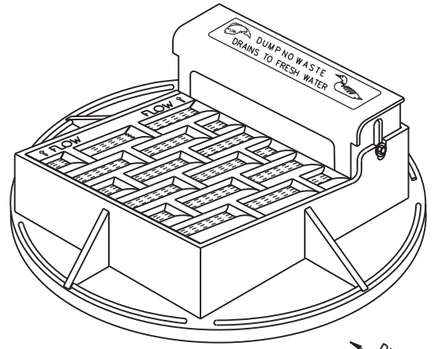
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

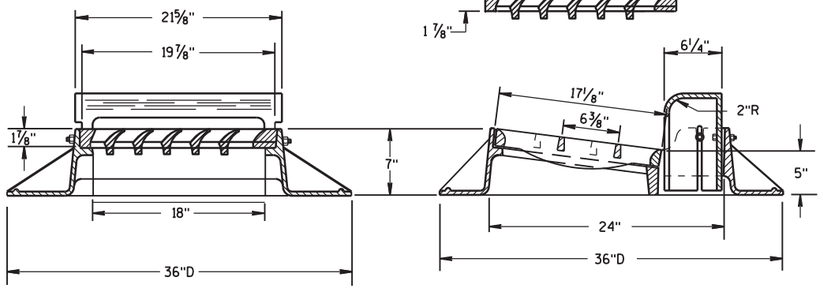


LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

NOTE:
GRATE IS REVERSIBLE.



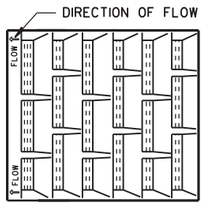
TYPE "A"

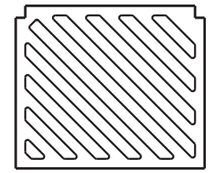
GENERAL NOTES

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.

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.

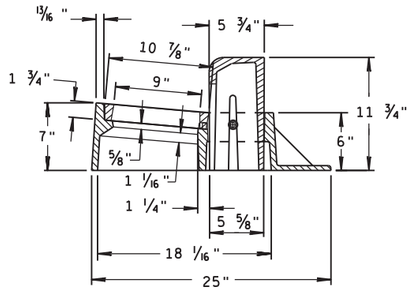


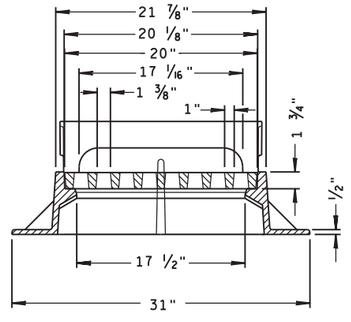


SPECIAL GRATE FOR TYPE "A" COVER

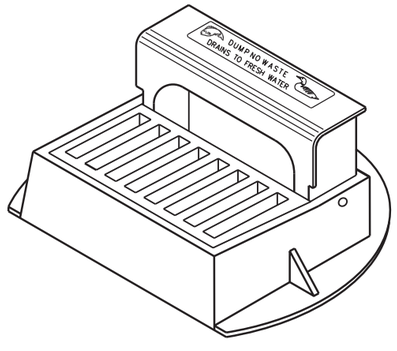
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"



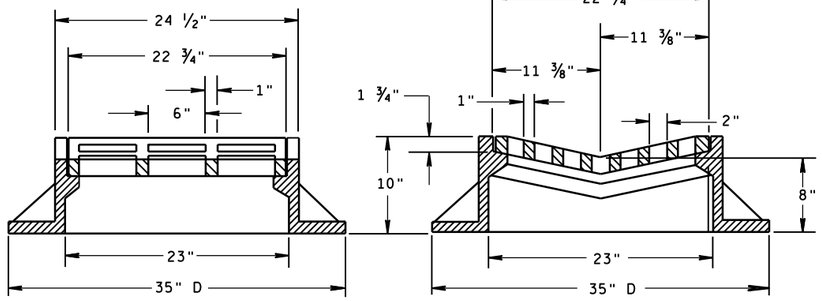
INLET COVERS TYPE A, H, A-S, H-S & Z

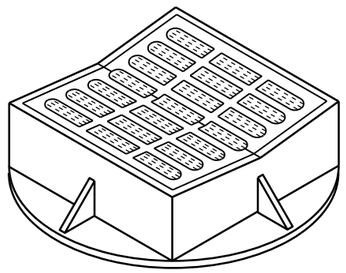
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

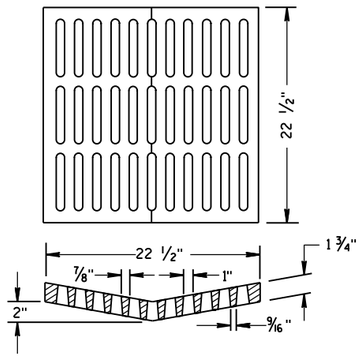
6

S.D.D. 8 A 5-19a



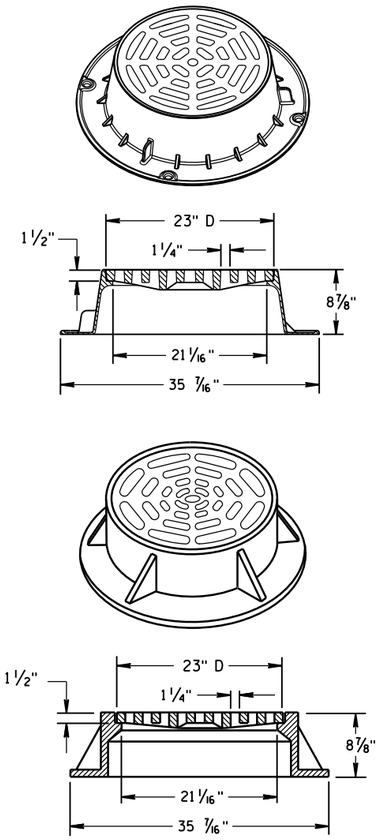


TYPE "B"



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"

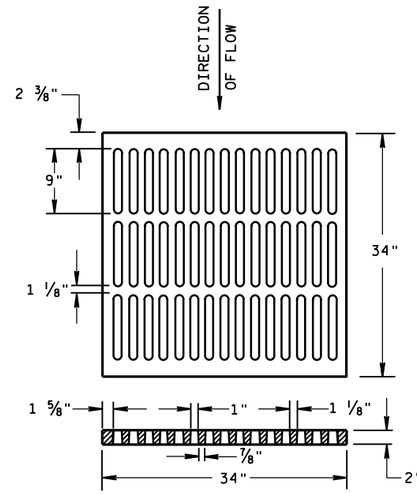
NOTE: EITHER CASTING IS ACCEPTABLE

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.

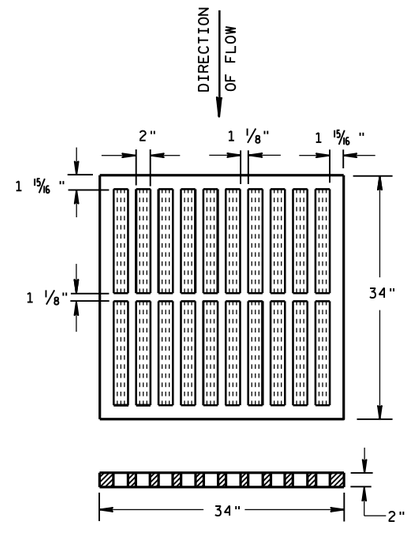
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



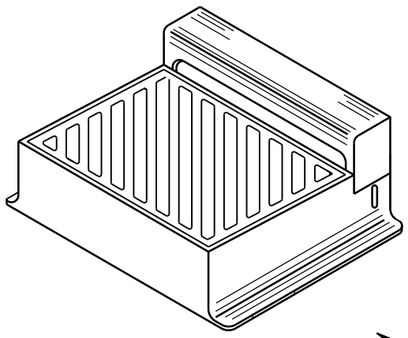
ALTERNATIVE TYPE "MS"

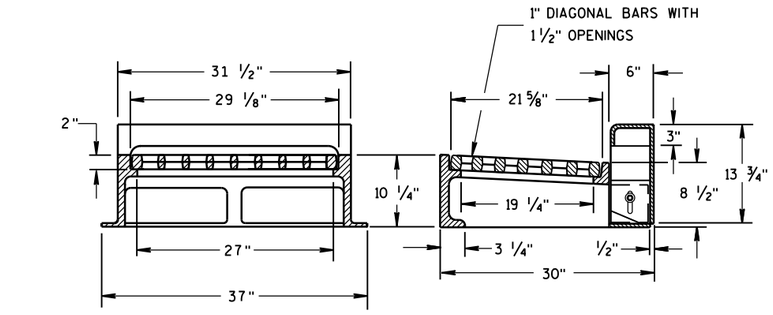
USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE





NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

DIRECTION OF FLOW

DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.

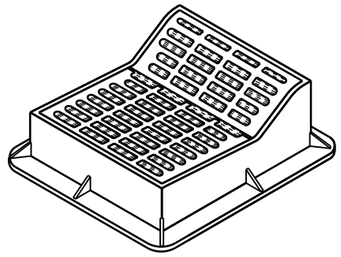
INLET COVERS
TYPE B, B-A, C, MS, MS-A, & WM

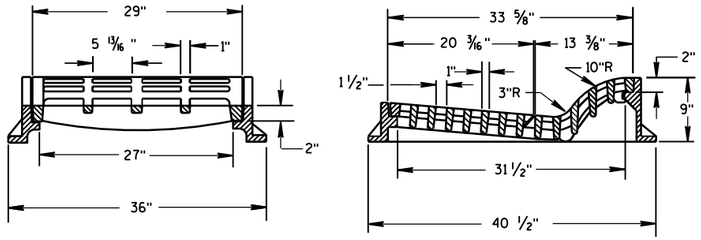
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

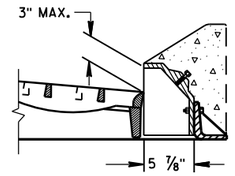
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

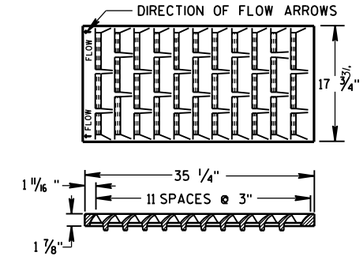
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

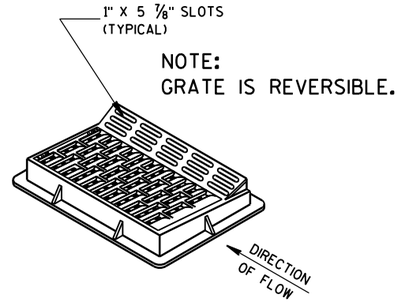
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

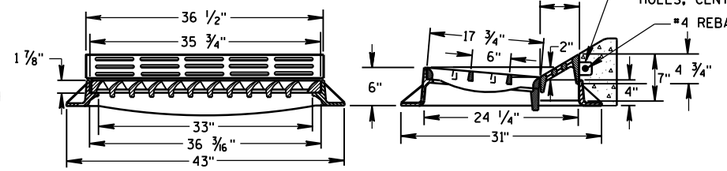
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



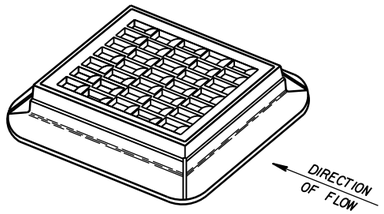


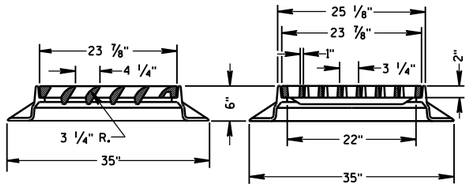


TYPE "HM"

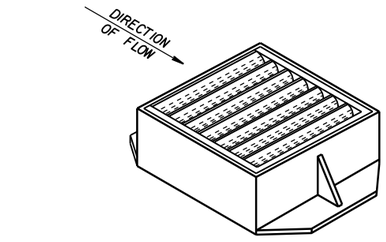
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

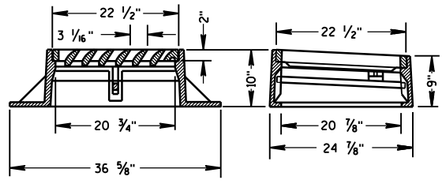
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE





TYPE "S"





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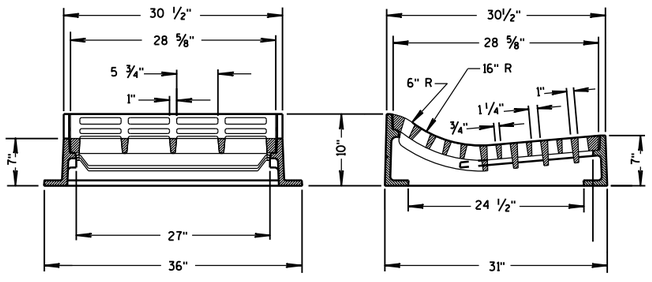
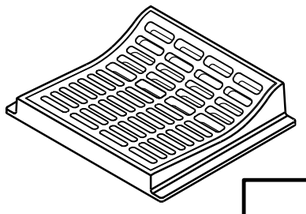




TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.

INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

522

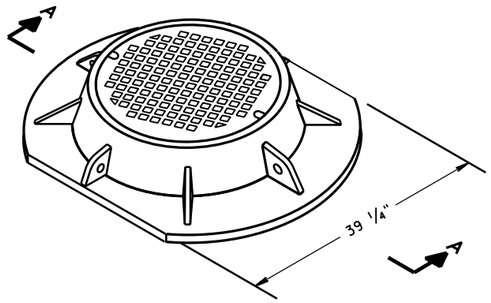
FHWA

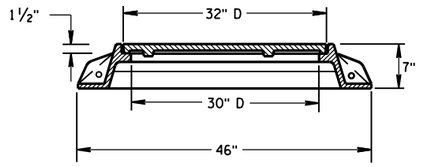
6

S.D.D. 8 A 5-19c

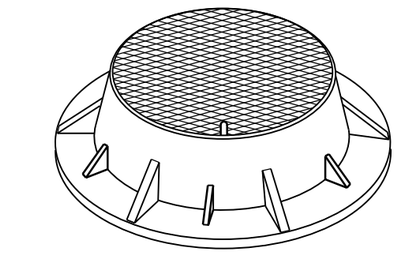
6

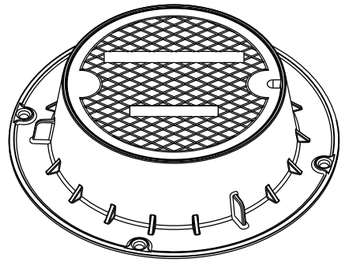
S.D.D. 8 A 5-19c

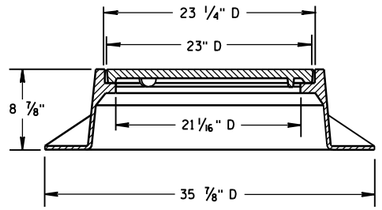


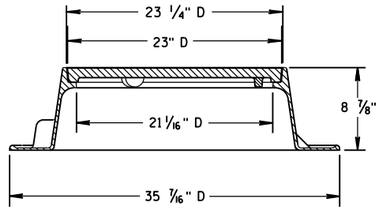


SECTION A-A
TYPE "K"









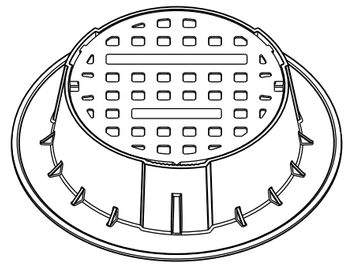
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

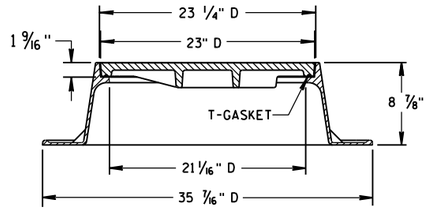
GENERAL NOTES

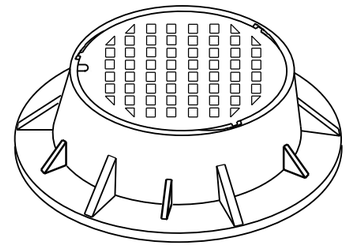
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

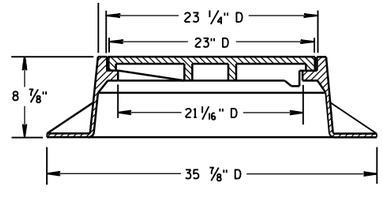
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

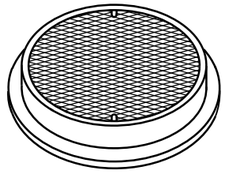


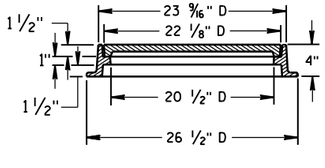




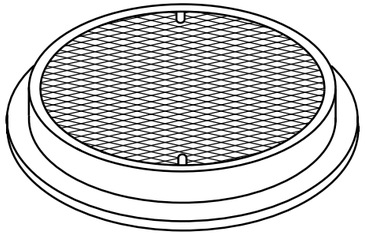


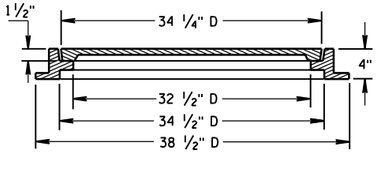
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



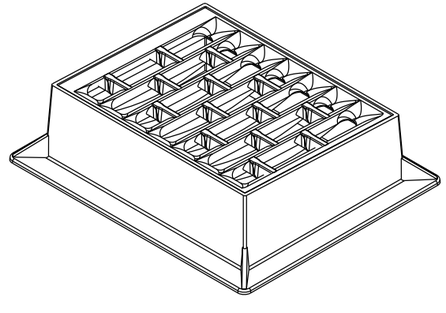


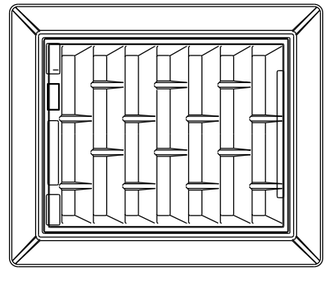
TYPE "L"

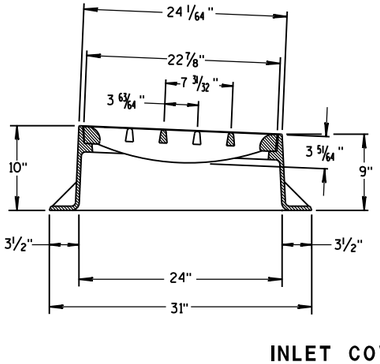


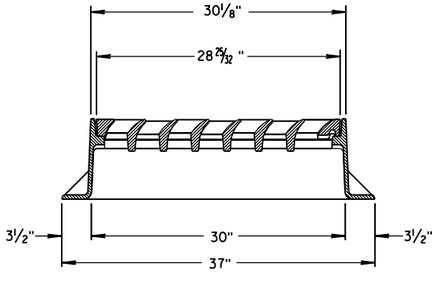


TYPE "M"









INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS DESIGN ENGINEER

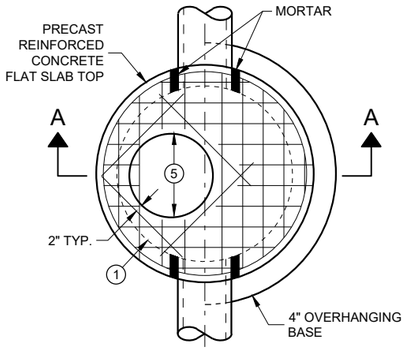
523

6

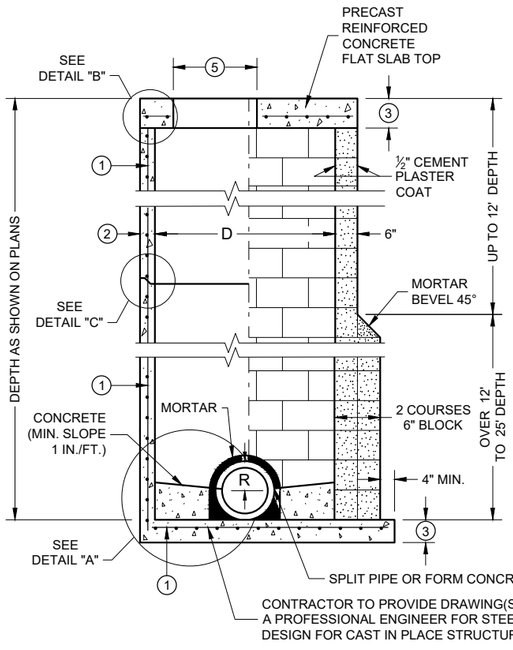
S.D.D. 8 A 5-19d

6

S.D.D. 8 A 5-19d



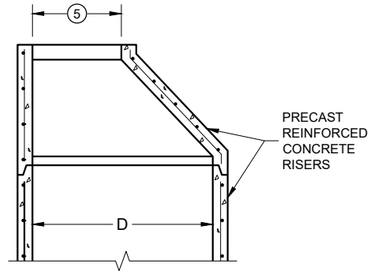
PLAN VIEW
CIRCULAR OPENING



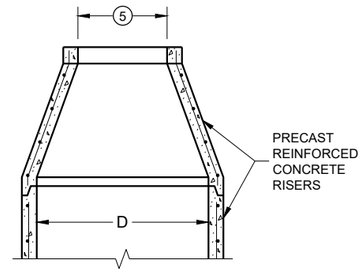
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

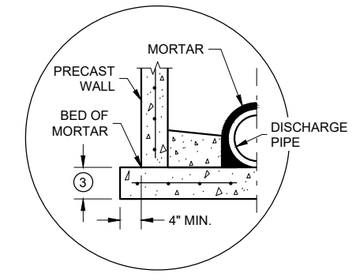
MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

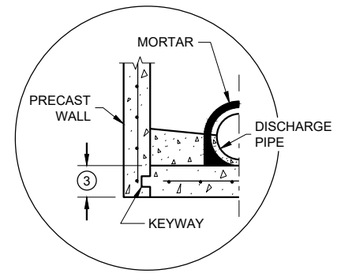
PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42*	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES.
SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

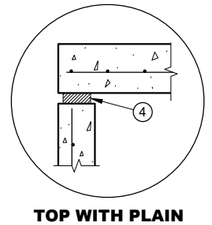


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

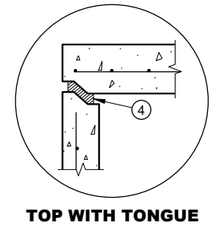


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

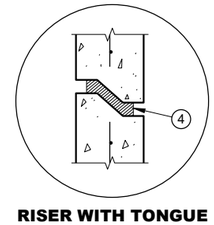
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

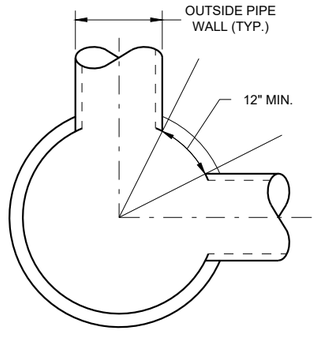
(1) FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

(4) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP.).

(5) SEE MANHOLE COVER OPENING MATRIX.



MINIMUM HORIZONTAL PIPE SEPARATION

MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

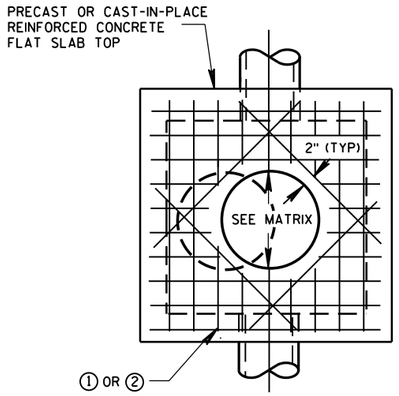
APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
524

FHWA

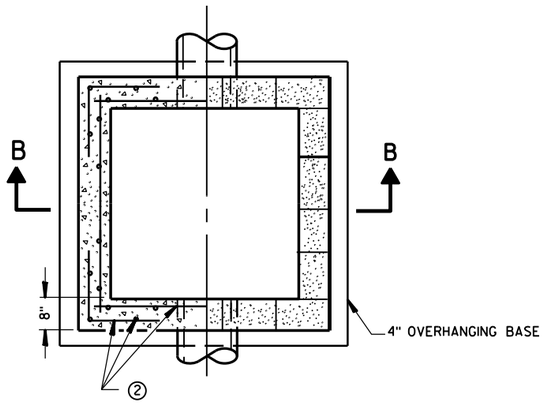
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

6

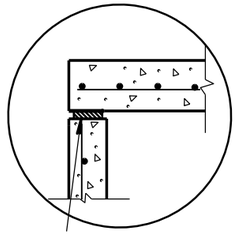
SDD 08B09 - 03



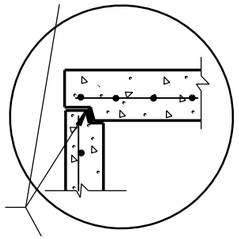
PLAN VIEW
CIRCULAR OPENING



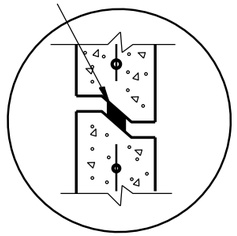
SECTION A-A
PLAN VIEW



TOP WITH PLAIN END JOINT

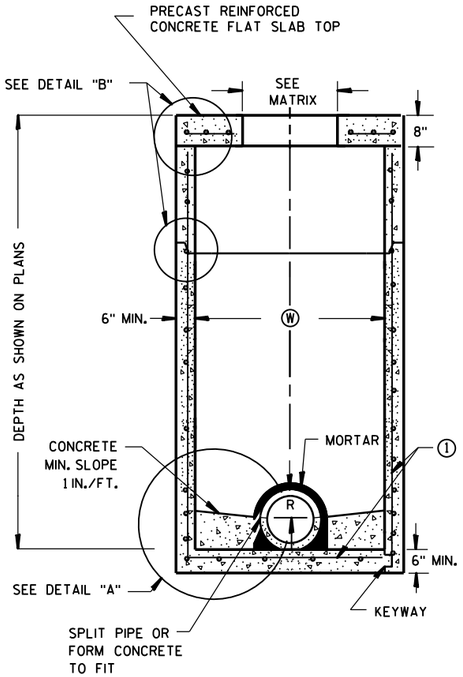


TOP WITH TONGUE AND GROOVE JOINT

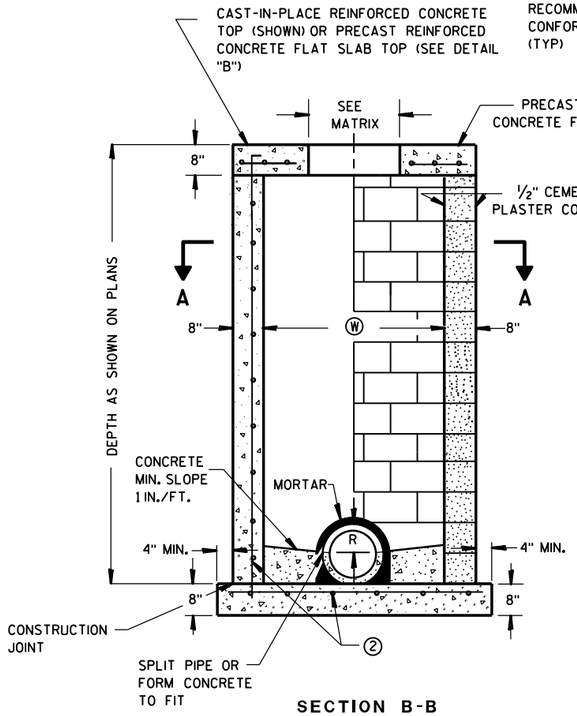


RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

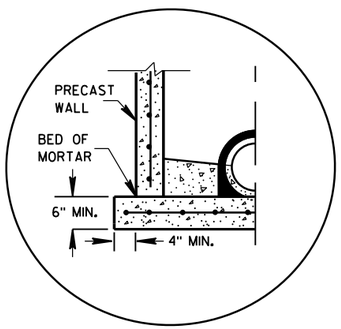


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

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.

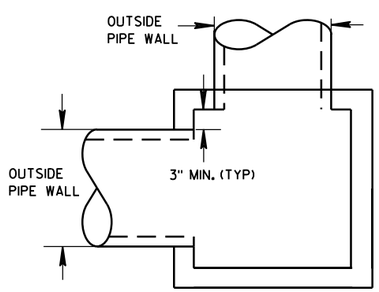
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

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

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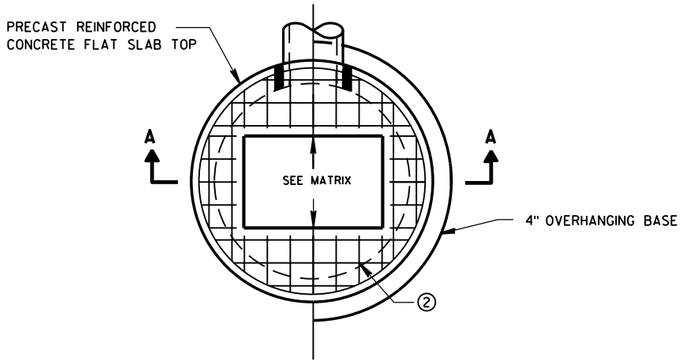
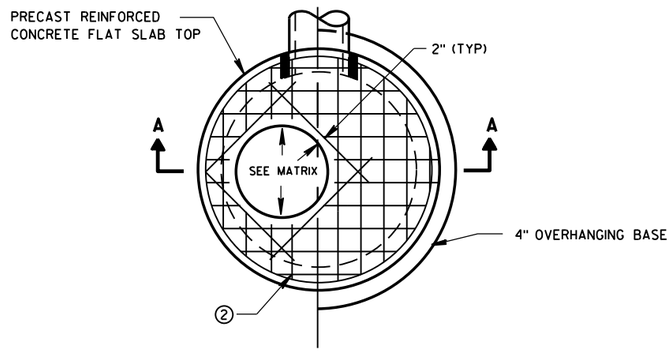
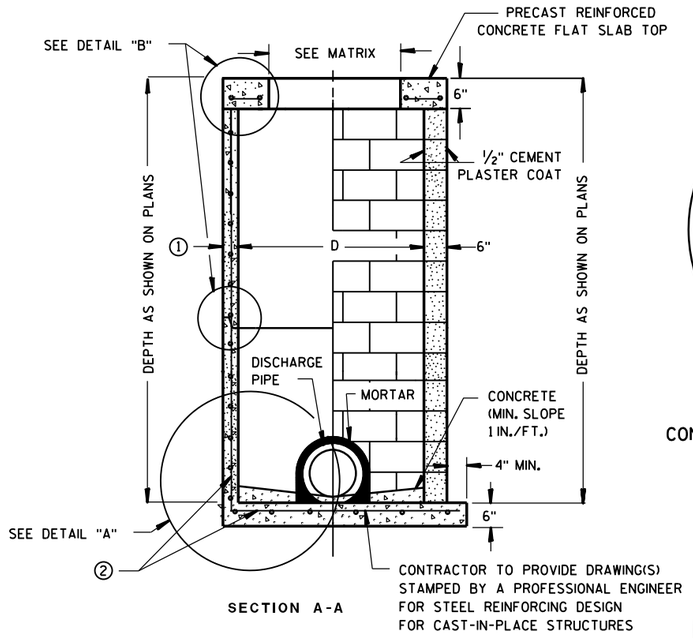


PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

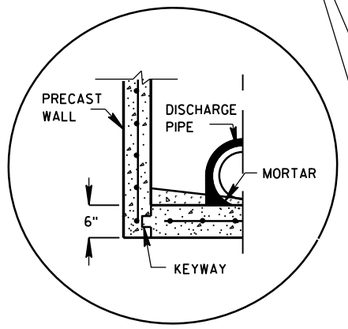


SECTION A-A

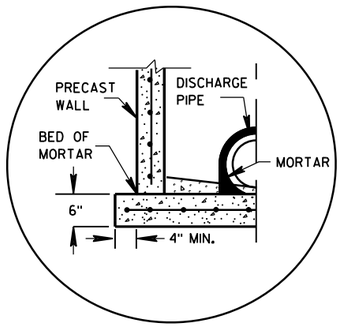
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

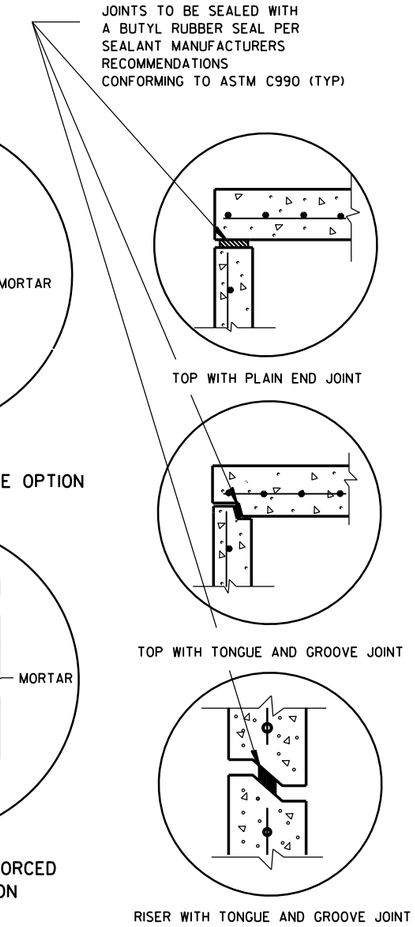


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



TOP WITH PLAIN END JOINT

TOP WITH TONGUE AND GROOVE JOINT

RISER WITH TONGUE AND GROOVE JOINT

DETAIL "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.

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 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.

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

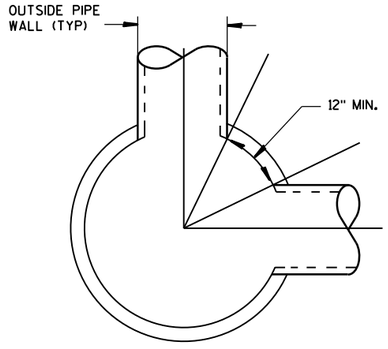
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

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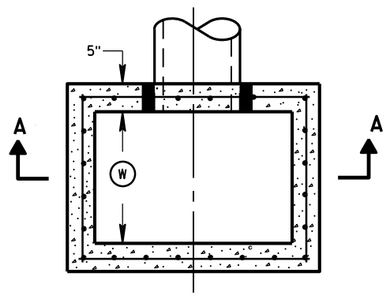
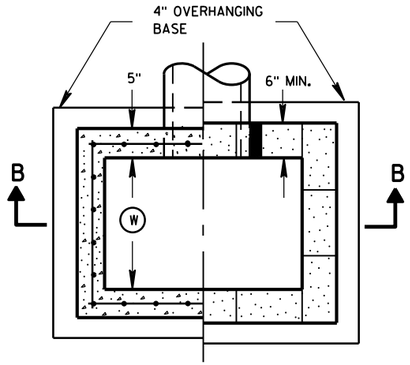
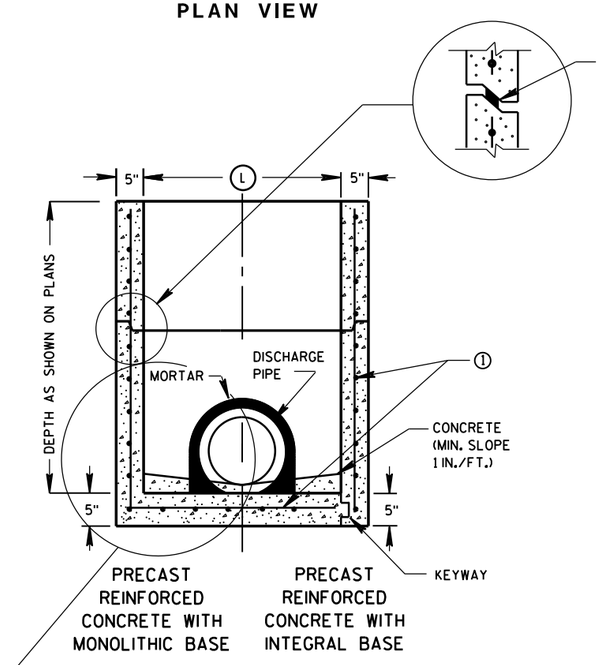
INLETS 3-FT AND 4-FT DIAMETER



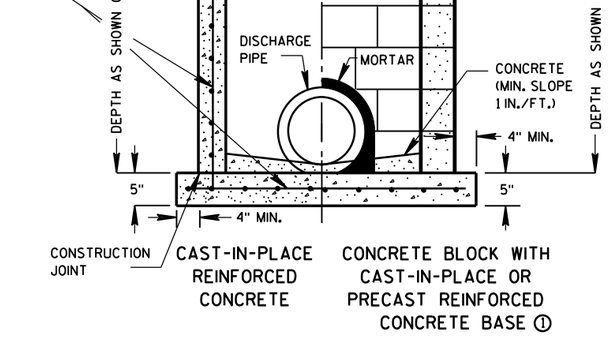
PLAN VIEW



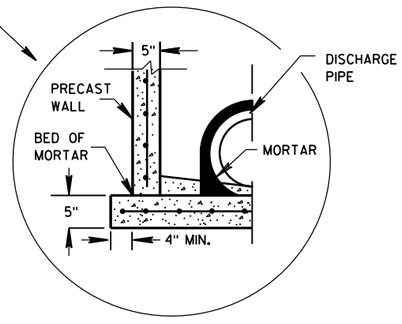
PLAN VIEW



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.

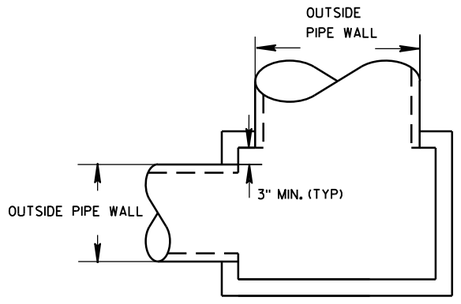
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

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

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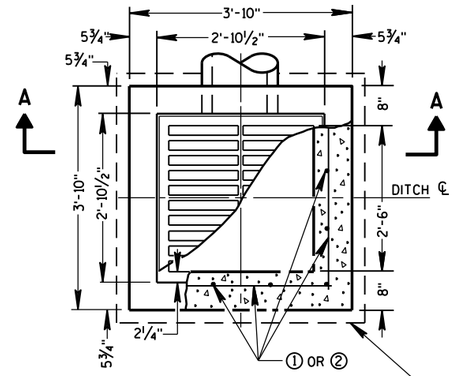
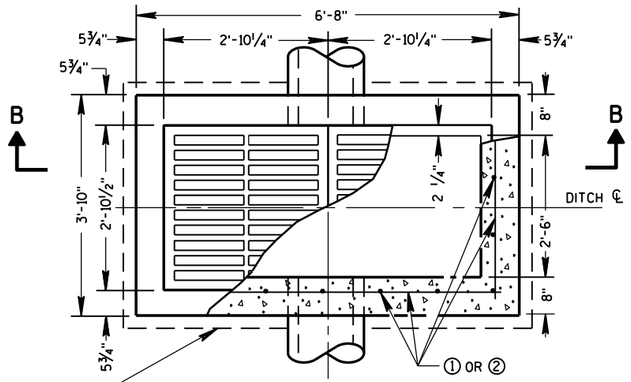
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

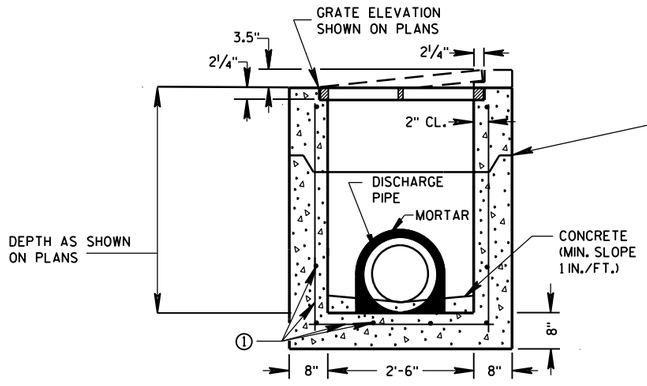


PLAN VIEW

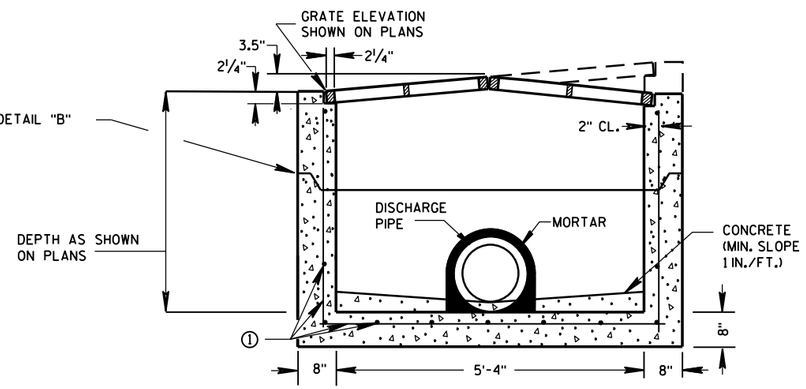


PLAN VIEW

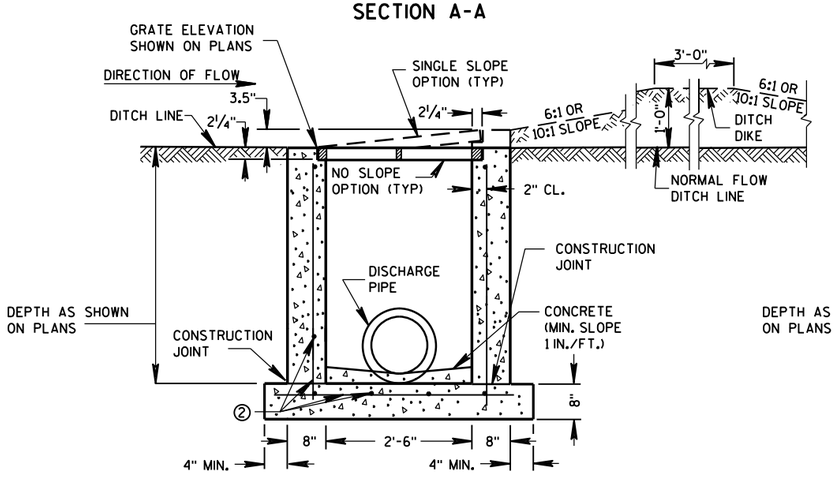
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



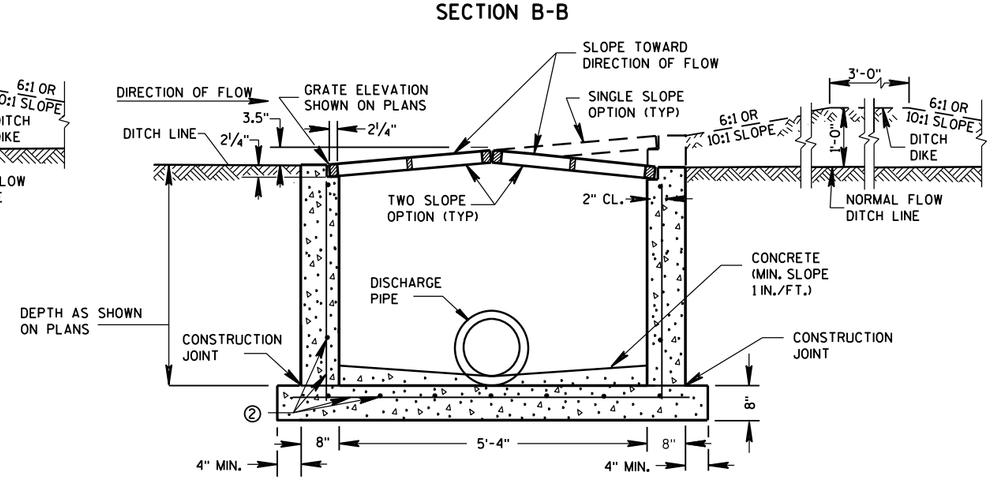
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

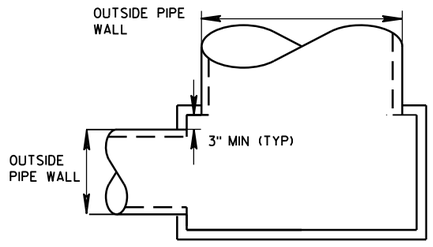
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

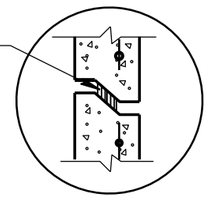
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
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FHWA

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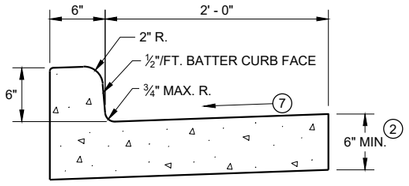
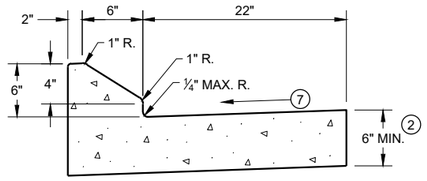
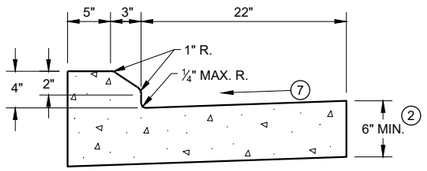
S.D.D. 8 C 8-2



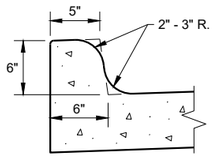
TYPES A[1] & D



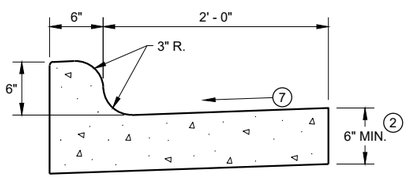
6" SLOPED CURB TYPES G[1] & J



4" SLOPED CURB TYPES G[1] & J

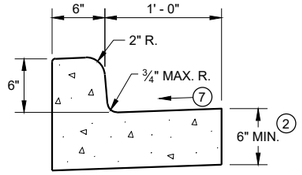


TYPES K[1] & L
(OPTIONAL CURB SHAPE)



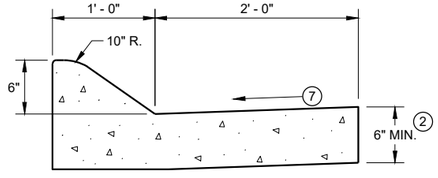
TYPES K[1] & L

CONCRETE CURB AND GUTTER 30"



TYPES A[1] & D

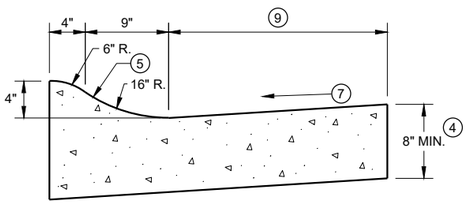
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A[1] & D

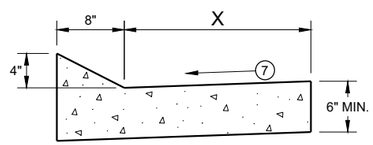
4" SLOPED CURB TYPES A[1] & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R[1] & T

TBT & TBTT	X
30"	22"
36"	28"

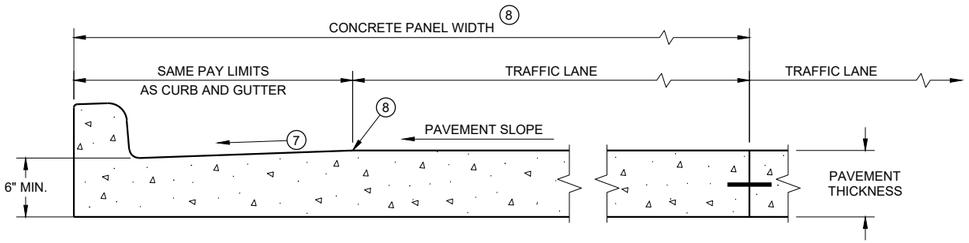


TYPES TBT & TBTT[1]

CONCRETE CURB AND GUTTER

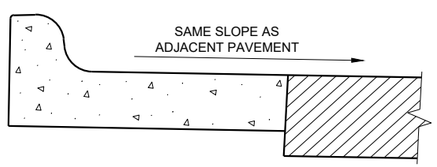
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER[6]
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

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

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

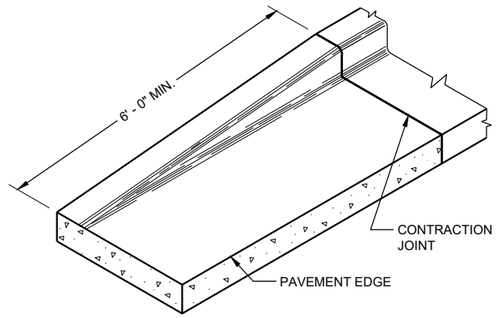
INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

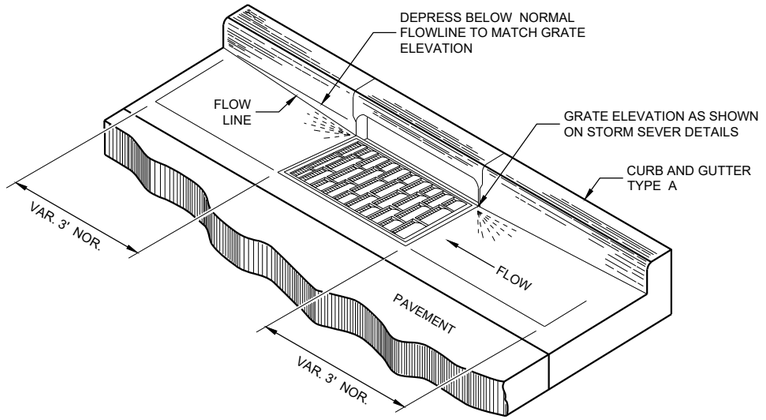
1. TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.
2. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
3. USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.
4. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.
5. UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.
6. WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.
7. USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.
8. INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.
9. CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
   CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

6
SDD 08D01 - 22a



END SECTIONCURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS
(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

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

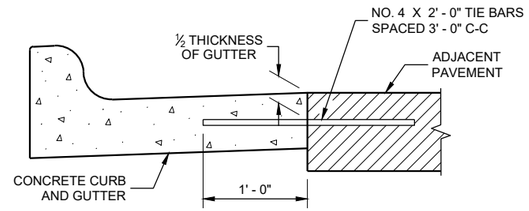
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

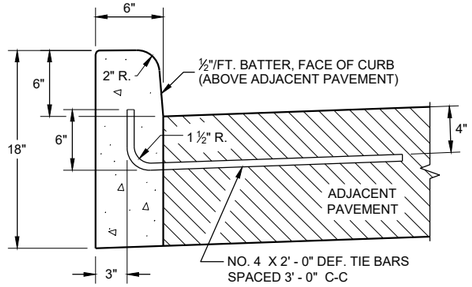
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

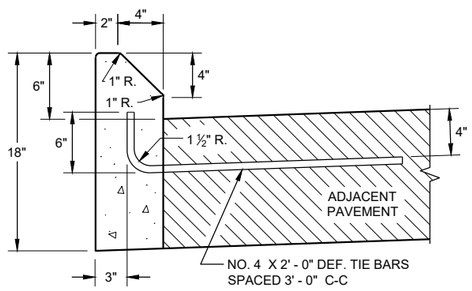
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

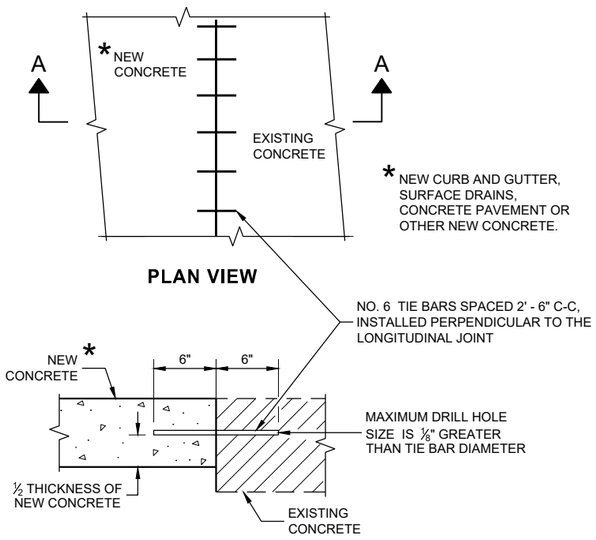


TYPES A (1) & D



TYPES G (1) & J

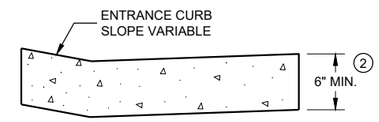
CONCRETE CURB



PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (9)
(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD08D01 - 22b

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.

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

(1) USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.

(2) NO. 4 X 2' - 0" TIE BARS SPACED AT 12" C-C TO BE PLACED BY BRIDGE CONTRACTOR OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.

(3) PAVED CONCRETE SHOULDER (SDD 13A03) OR CONCRETE DRAINAGE SLAB.

(4) CONCRETE PAVEMENT APPROACH SLAB (SHOWN) OR STRUCTURE APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB. SEE SDD 13B02.

(5) PAVED CONCRETE SHOULDER (SDD 13A03) OR ASPHALT SHOULDER.

(6) CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBT OR TBTT. USE TYPE TBTT CURB WITH NO. 4 X 2' -0" TIE BARS SPACED AT 3' - 0" C-C ONLY WHEN ADJACENT TO CONCRETE PAVEMENTS.

(7) PLACE FLUME BEFORE MSG THRIE BEAM TRANSITION POST 1 (SEE SDD 14B45)

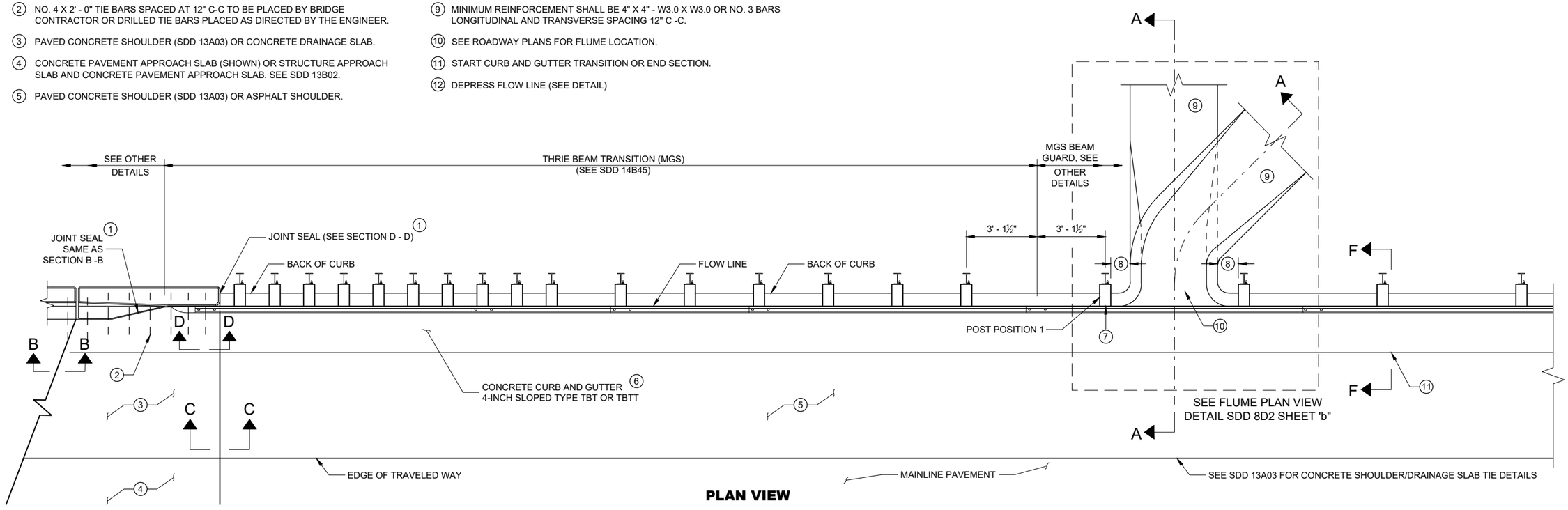
(8) CENTER FLUME BETWEEN POSTS. 6-INCH MINIMUM SEPARATION FROM OUTSIDE EDGE OF FLUME TO POSTS.

(9) MINIMUM REINFORCEMENT SHALL BE 4" X 4" - W3.0 X W3.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C -C.

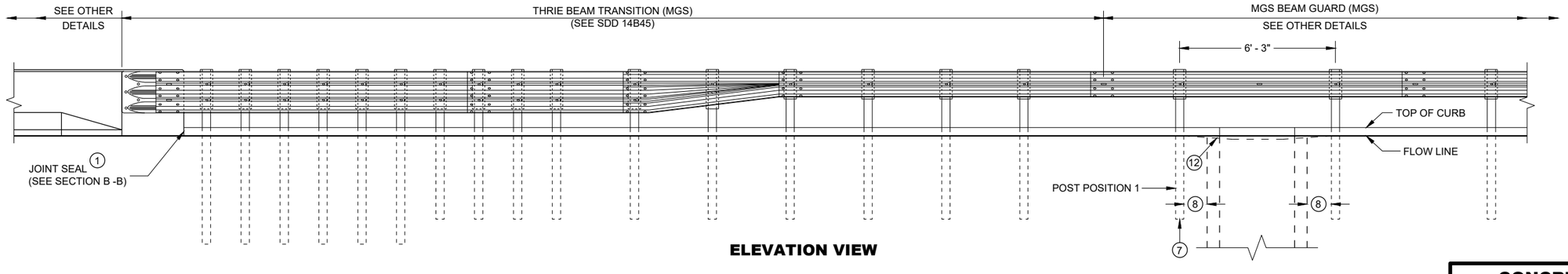
(10) SEE ROADWAY PLANS FOR FLUME LOCATION.

(11) START CURB AND GUTTER TRANSITION OR END SECTION.

(12) DEPRESS FLOW LINE (SEE DETAIL)



PLAN VIEW



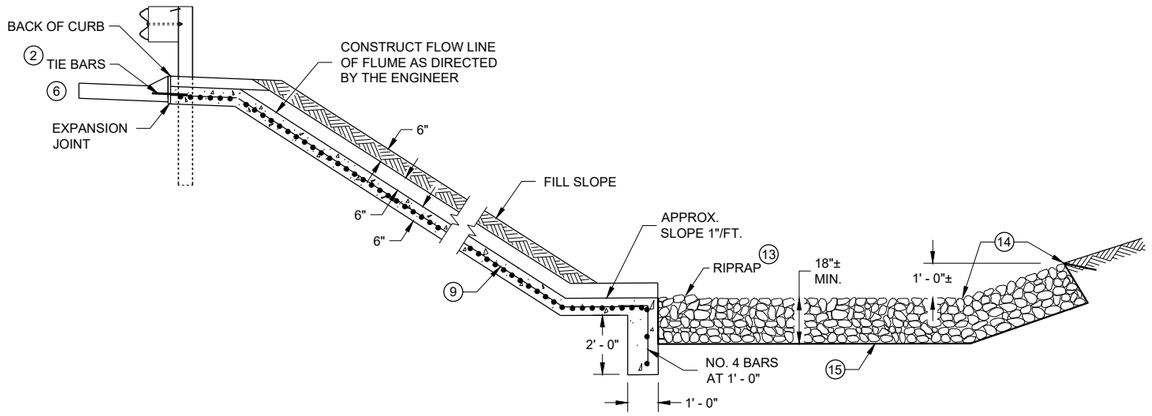
ELEVATION VIEW

CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES

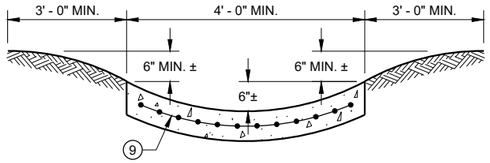
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D02 - 07a

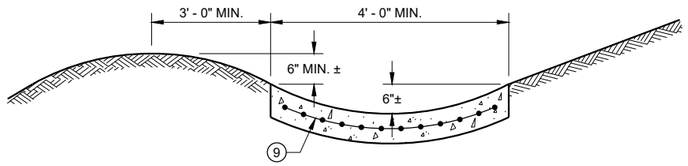
SDD 08D02 - 07a



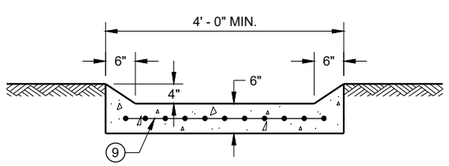
SECTION A - A



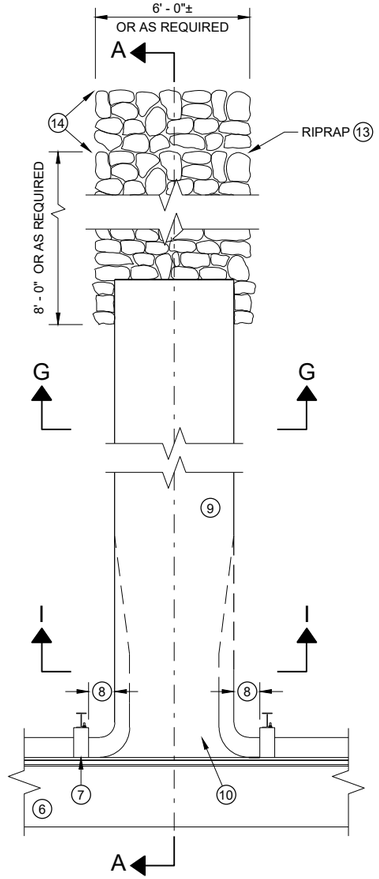
SECTION G - G



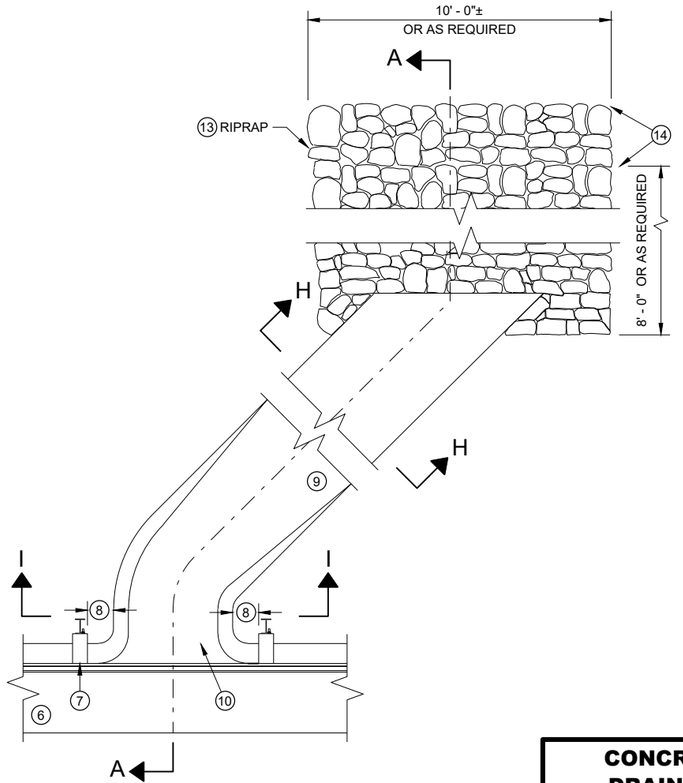
SECTION H - H



SECTION I - I



PLAN VIEW PERPENDICULAR FLUME



PLAN VIEW SKEWED FLUME

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.

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

1. USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.
2. NO. 4 X 2' - 0" TIE BARS SPACED AT 12" C-C TO BE PLACED BY BRIDGE CONTRACTOR OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.
3. PAVED CONCRETE SHOULDER (SDD 13A03) OR CONCRETE DRAINAGE SLAB.
4. CONCRETE PAVEMENT APPROACH SLAB (SHOWN) OR STRUCTURE APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB. SEE SDD 13B02 AND STRUCTURE PLANS.
5. PAVED CONCRETE SHOULDER (SDD 13A03) OR ASPHALT SHOULDER.
6. CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBT OR TBTT. USE TYPE TBTT CURB WITH NO. 4 X 2' -0" TIE BARS SPACED AT 3' - 0" C-C ONLY WHEN ADJACENT TO CONCRETE PAVEMENTS.
7. PLACE FLUME BEFORE MSG THRIE BEAM TRANSITION POST 1 (SEE SDD 14B45)
8. CENTER FLUME BETWEEN POSTS. 6-INCH MINIMUM SEPARATION FROM OUTSIDE EDGE OF FLUME TO POSTS.
9. MINIMUM REINFORCEMENT SHALL BE 4" X 4" - W3.0 X W3.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C -C.
10. SEE ROADWAY PLANS FOR FLUME LOCATION.
11. START CURB AND GUTTER TRANSITION OR END SECTION.
12. DEPRESS FLOW LINE (SEE DETAIL)
13. MEDIUM RIPRAP UNLESS OTHERWISE SPECIFIED.
14. LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH AS REQUIRED.
15. GEOTEXTILE FABRIC TYPE HR.

CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES

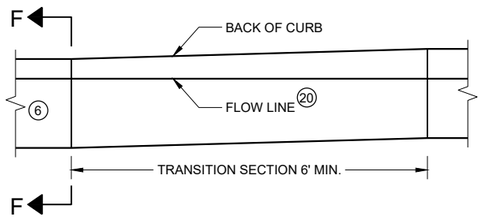
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

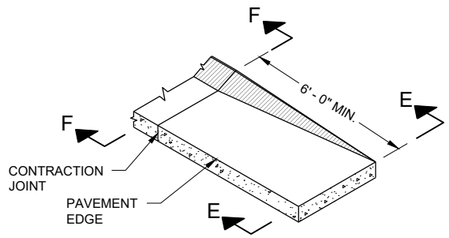
SDD 08D02 - 07b

6

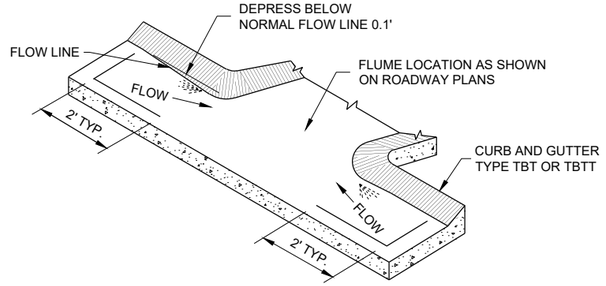
SDD 08D02 - 07b



CURB AND GUTTER TRANSITION SECTION
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36 INCH TYPE TBT OR TBTT



CURB AND GUTTER END SECTION
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36 INCH TYPE TBT OR TBTT



CURB AND GUTTER FLOW LINE DEPRESSION AT FLUMES CONCRETE CURB AND GUTTER 4-INCH SLOPED 36 INCH TYPE TBT OR TBTT

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.

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

(1) USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.

(2) NO. 4 X 2' - 0" TIE BARS SPACED AT 12" C-C TO BE PLACED BY BRIDGE CONTRACTOR OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.

(3) PAVED CONCRETE SHOULDER (SDD 13A03) OR CONCRETE DRAINAGE SLAB.

(4) CONCRETE PAVEMENT APPROACH SLAB (SHOWN) OR STRUCTURE APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB. SEE SDD 13B02 AND STRUCTURE PLANS.

(5) PAVED CONCRETE SHOULDER (SDD 13A03) OR ASPHALT SHOULDER.

(6) CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBT OR TBTT. USE TYPE TBTT CURB WITH NO. 4 X 2' -0" TIE BARS SPACED AT 3' - 0" C-C ONLY WHEN ADJACENT TO CONCRETE PAVEMENTS.

(7) PLACE FLUME BEFORE MSG THRIE BEAM TRANSITION POST 1 (SEE SDD 14B45)

(8) CENTER FLUME BETWEEN POSTS. 6-INCH MINIMUM SEPARATION FROM OUTSIDE EDGE OF FLUME TO POSTS.

(9) MINIMUM REINFORCEMENT SHALL BE 4" X 4" - W3.0 X W3.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C -C.

(10) SEE ROADWAY PLANS FOR FLUME LOCATION.

(11) START CURB AND GUTTER TRANSITION OR END SECTION.

(12) DEPRESS FLOW LINE (SEE DETAIL)

(13) MEDIUM RIPRAP UNLESS OTHERWISE SPECIFIED.

(14) LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH IS REQUIRED.

(15) GEOTEXTILE FABRIC TYPE HR.

(16) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C - C.

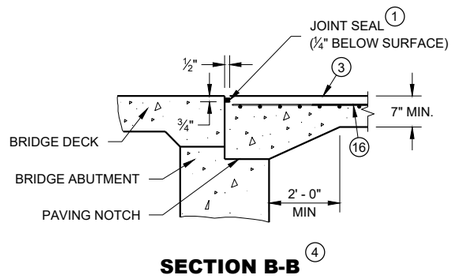
(17) MSG THRIE BEAM TRANSITION POST 1. SEE SDD 14B45 FOR ADDITIONAL CONSTRUCTION DETAILS AND ACCEPTABLE MATERIALS.

(18) MAINTAIN WIDTH, THICKNESS AND CROSS SLOPE OF ADJACENT TYPE TBT OR TBTT CURB. SEE NOTE 6 FOR TIE BAR SPACING.

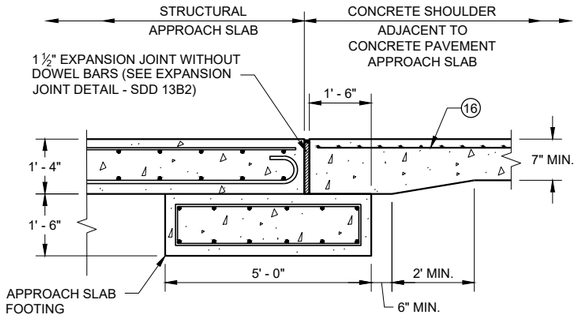
(19) ALIGN FACE OF POST BLOCK WITH FLOW LINE.

(20) MAINTAIN FLOW LINE AT EDGE OF PAVEMENT/FACE OF BEAM GUARD AS APPLICABLE.

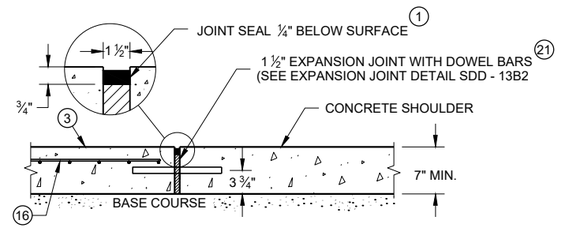
(21) DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING HMA PAVEMENTS.



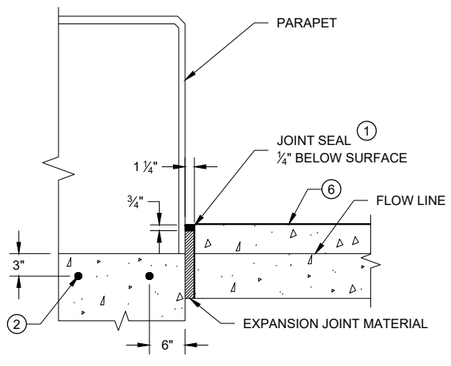
SECTION B-B (4)



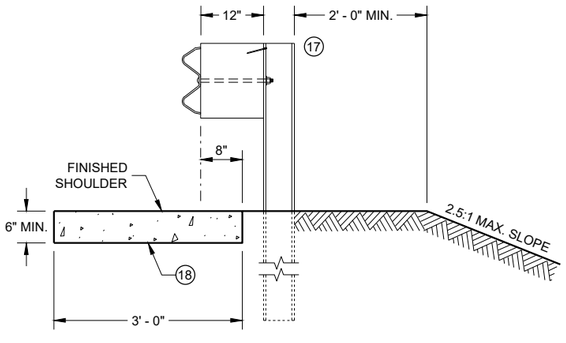
SECTION C - C
JOINT DETAIL FOR BRIDGE WITH STRUCTURAL APPROACH SLAB AND CONCRETE APPROACH SLAB



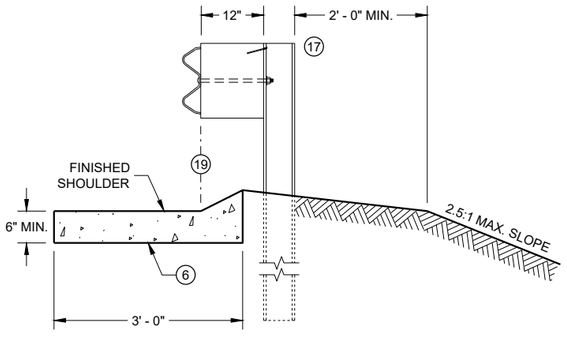
SECTION C - C
JOINT DETAIL FOR BRIDGE APPROACH WITH CONCRETE SHOULDERS



SECTION D - D



SECTION E - E



SECTION F - F

CONCRETE SURFACE DRAINS FLUME TYPE AT STRUCTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

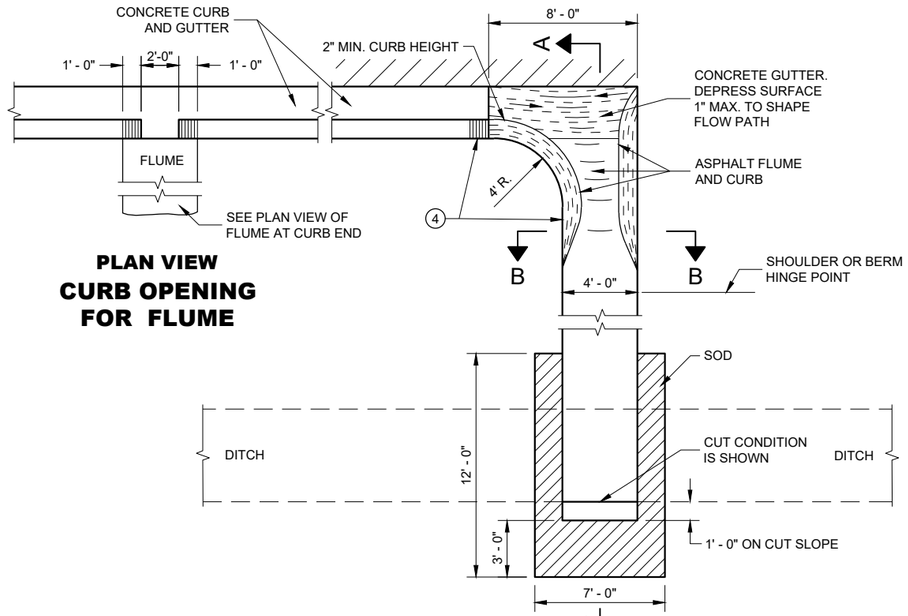
FHWA

SDD 08D02 - 07c

SDD 08D02 - 07c

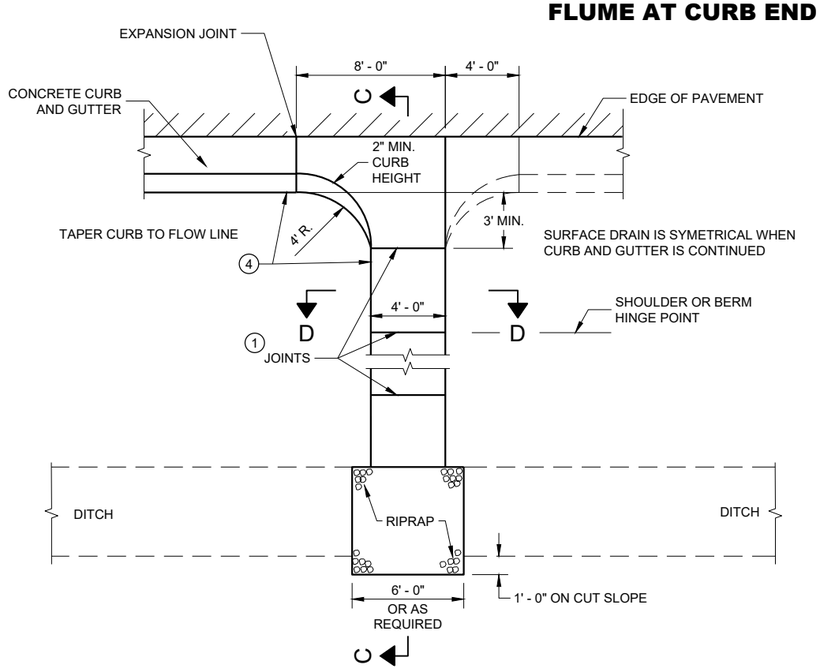
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



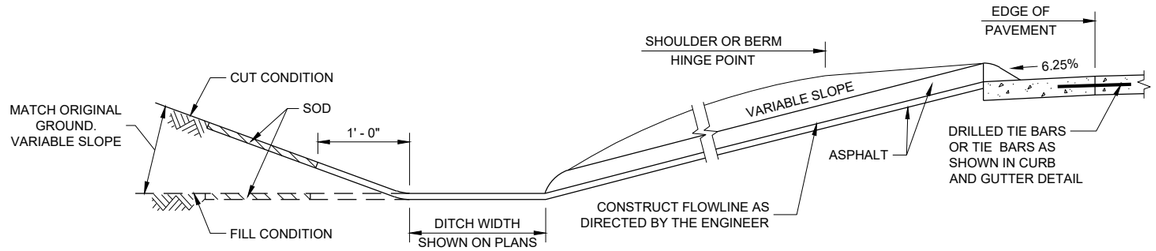
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

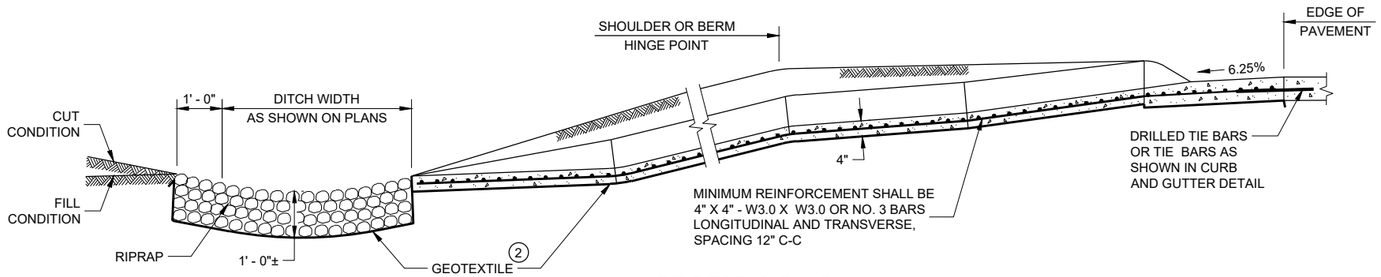
4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. ANGLE OF FLUME IN RELATION TO BACK OF CURB TO BE CONSTRUCTED PER THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER. ANGLE OF FLUME MAY BE OTHER THAN 90 DEGREES AS SHOWN.

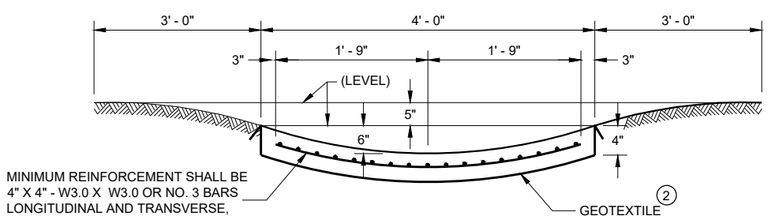


SECTION A - A

SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

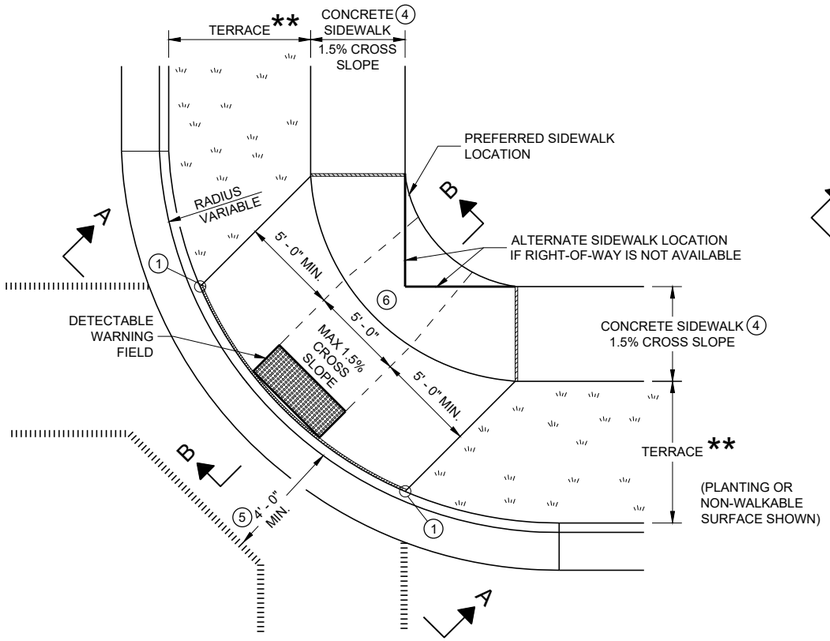
FHWA

6

SDD 08D04 - 06

6

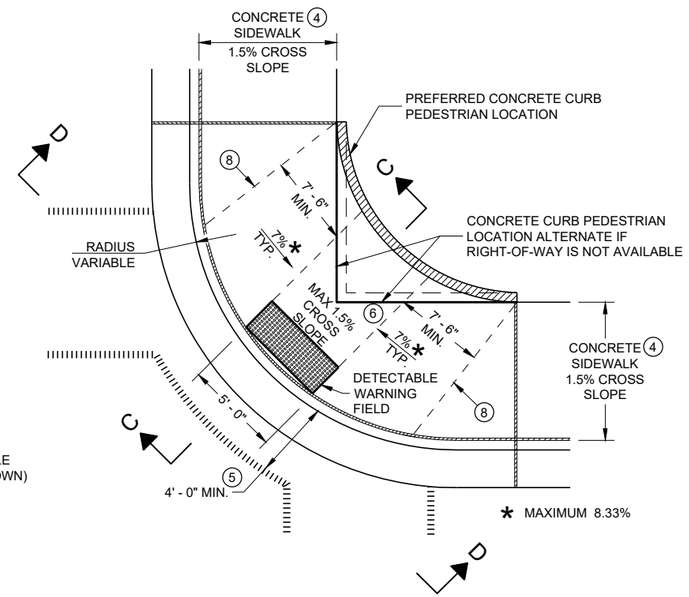
SDD 08D04 - 06



PLAN VIEW

CURB RAMP TYPE 1

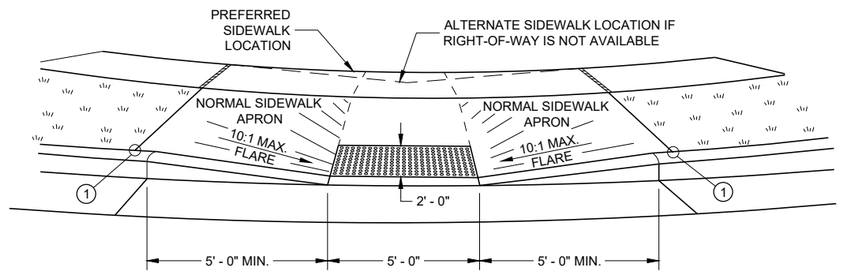
(CENTER OF CORNER RADIUS)



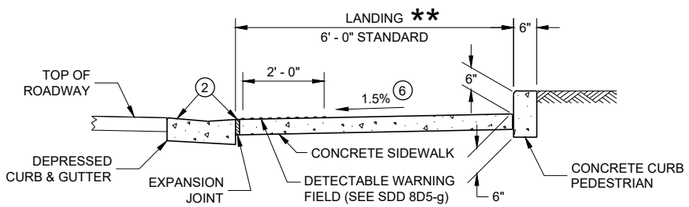
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

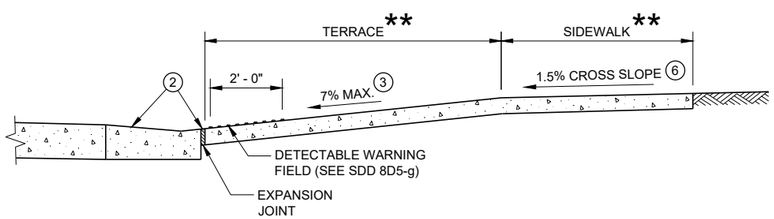


VIEW A - A FOR TYPE 1

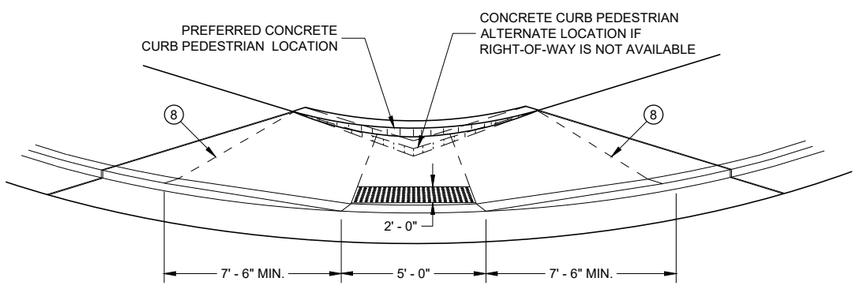


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

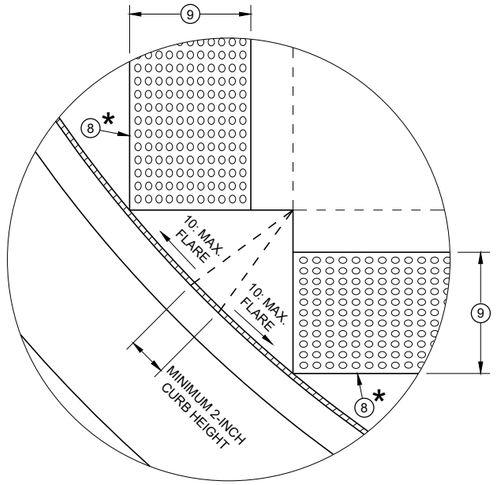
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

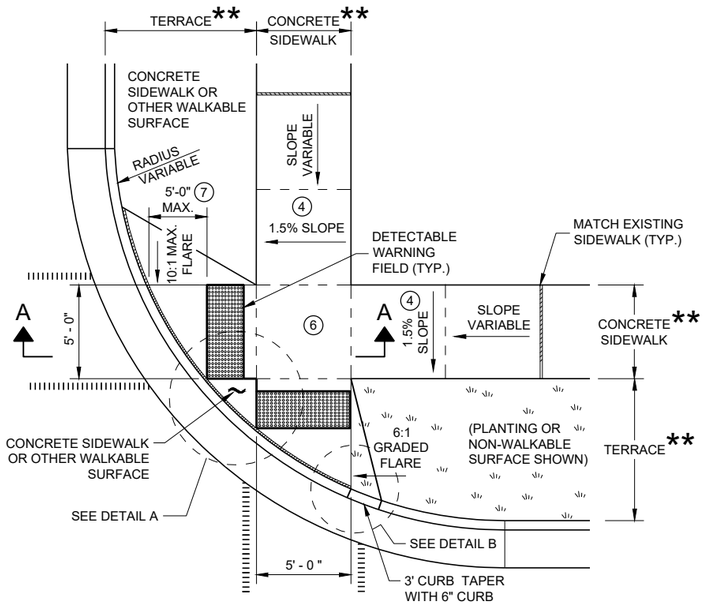
CURB RAMPS
TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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.

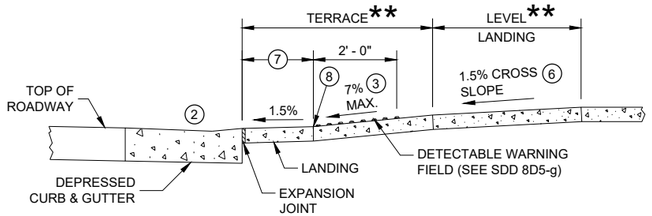
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(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.

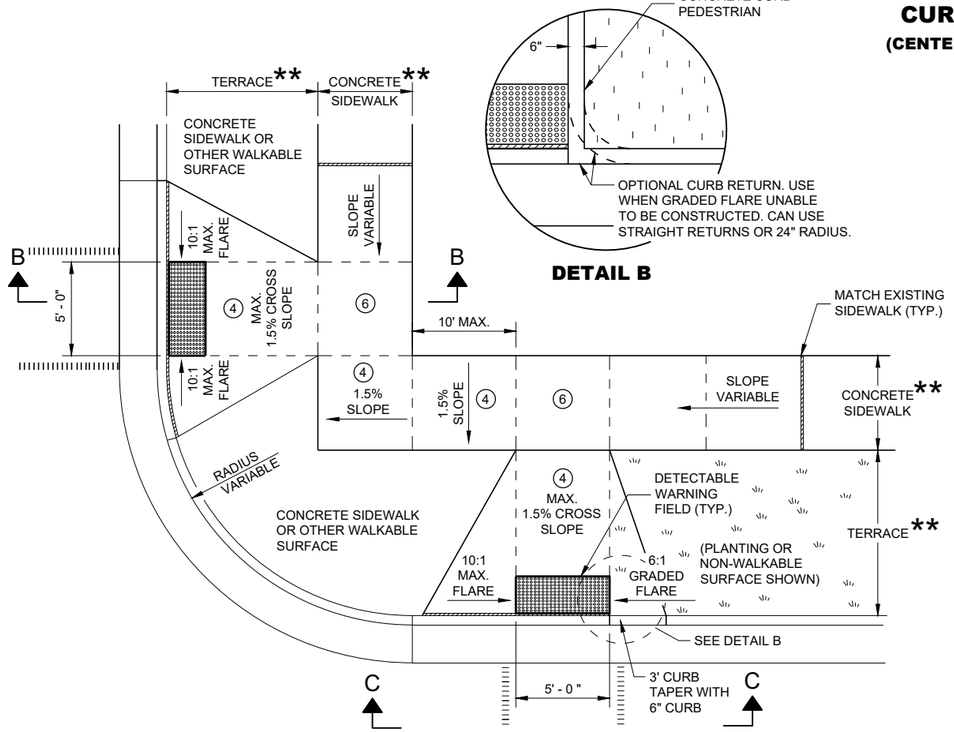
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

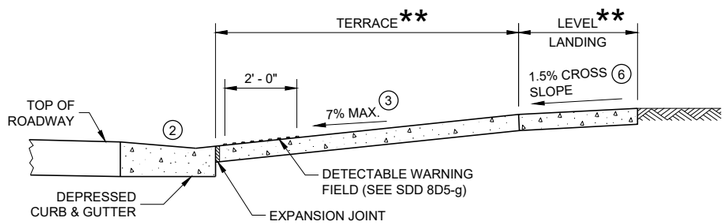
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS



DETAIL B

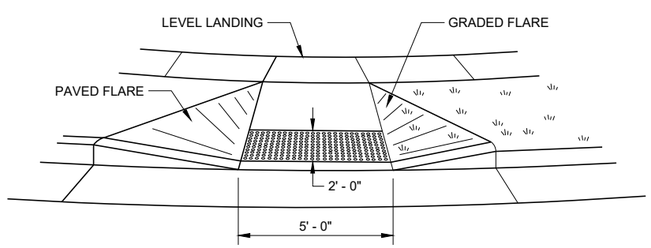
PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



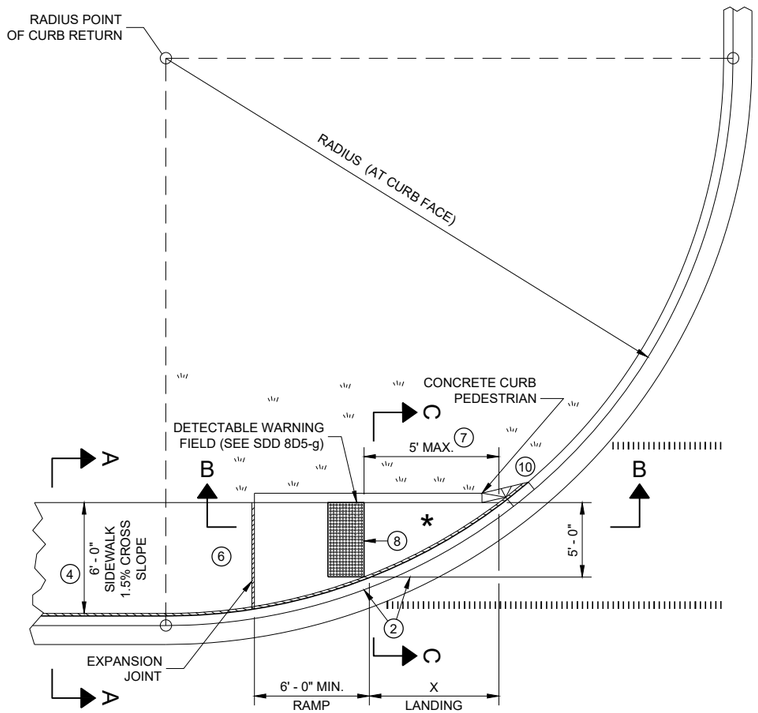
VIEW C - C FOR TYPE 3

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20b

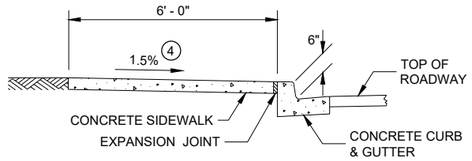


PLAN VIEW

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.

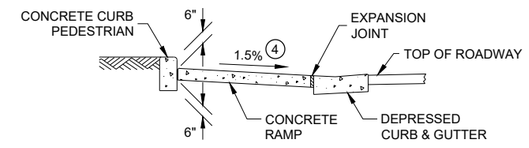
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

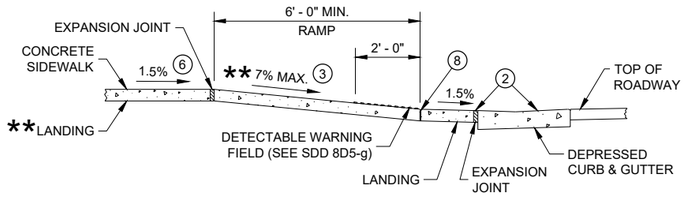
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



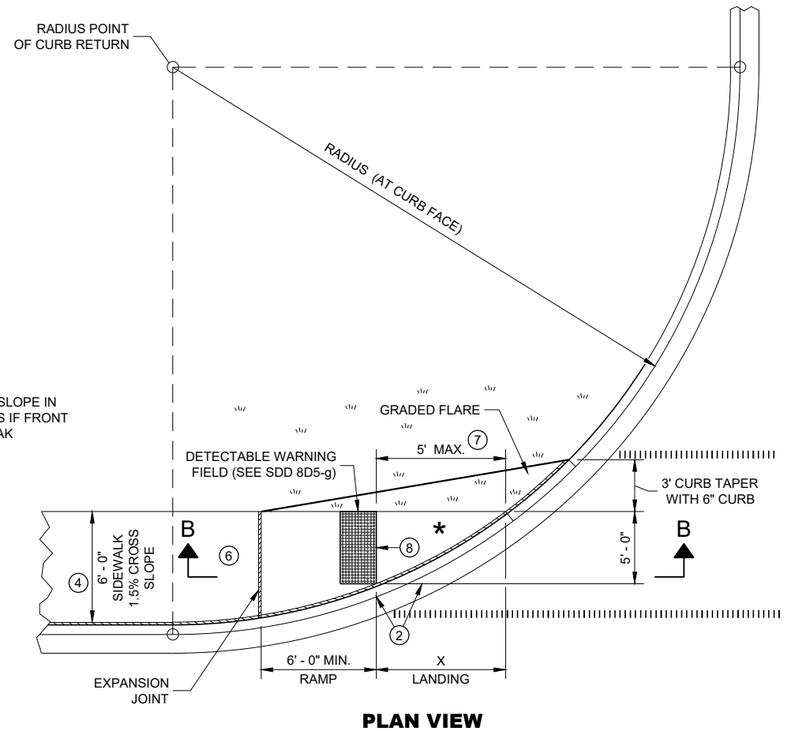
SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

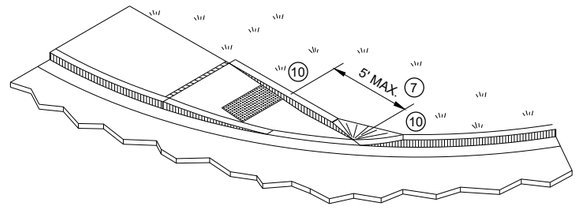
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

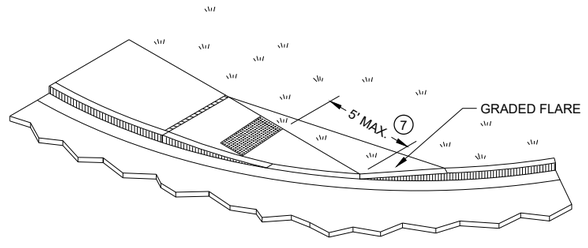


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



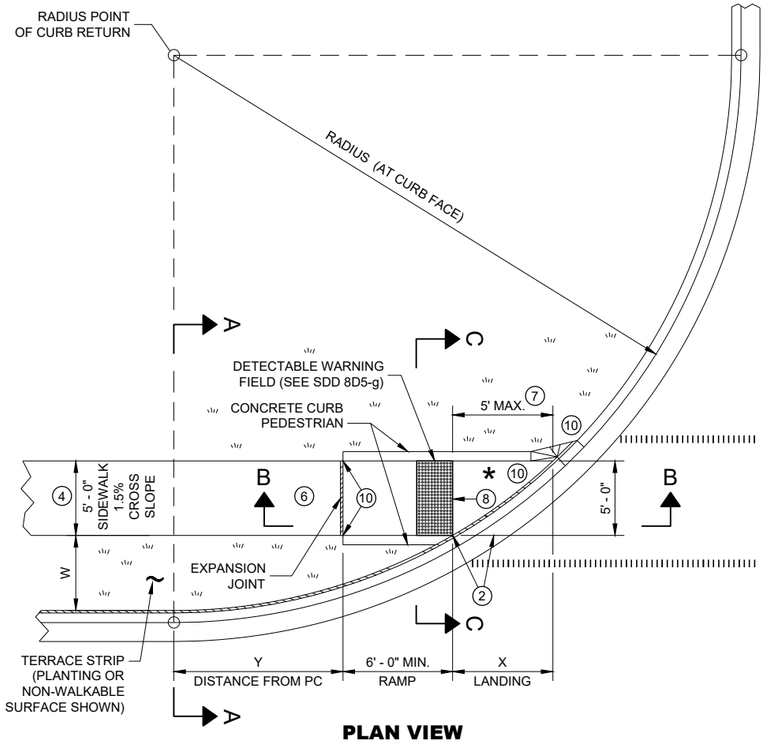
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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.

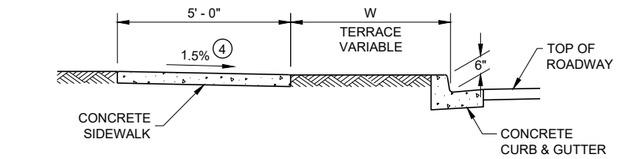
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

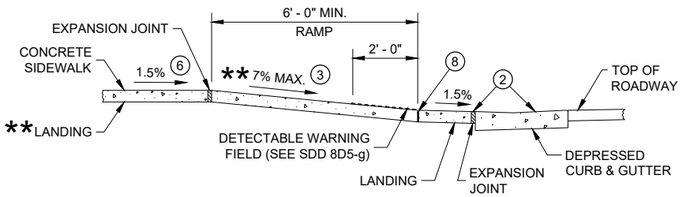
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



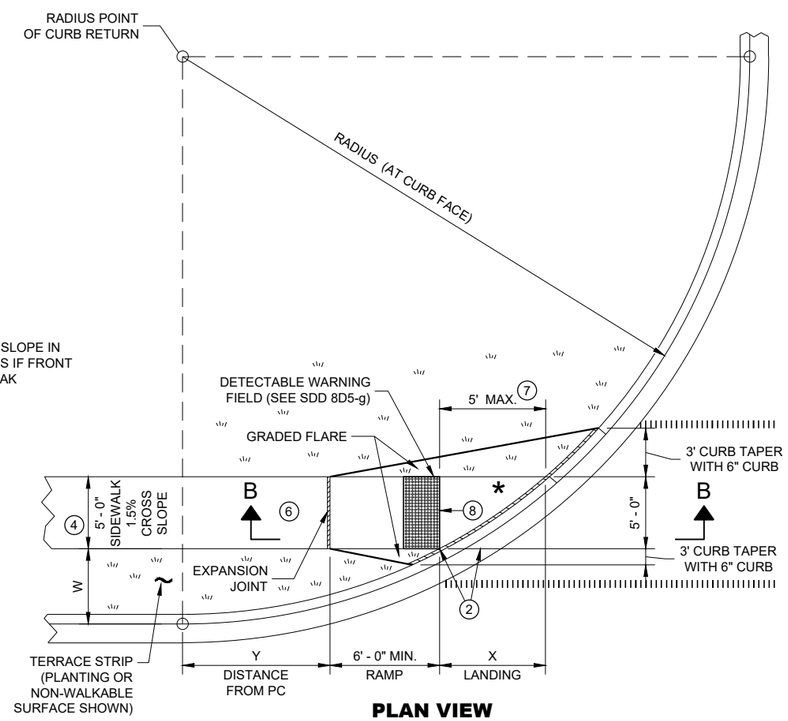
SECTION A - A FOR TYPE 4B



** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

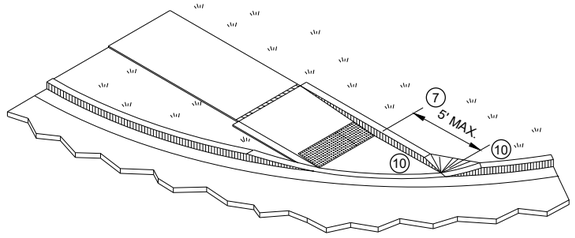
SECTION B - B FOR TYPE 4B AND TYPE 4B1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

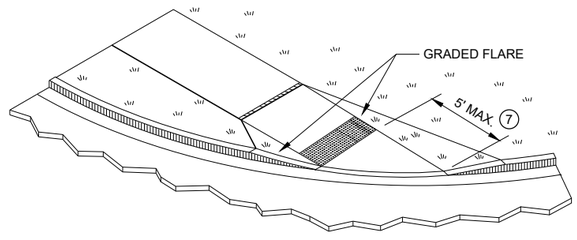


PLAN VIEW

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

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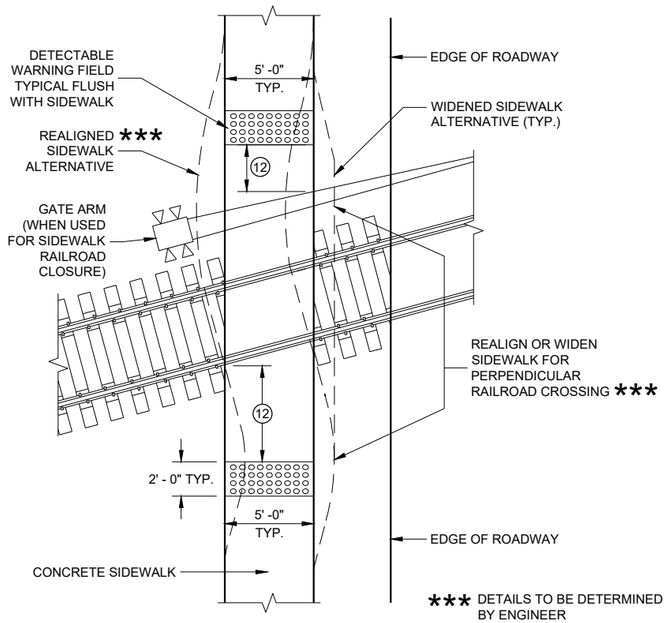
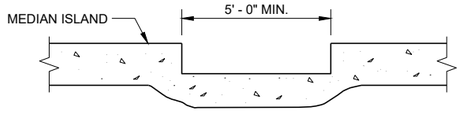
SDD 08D05 - 20d

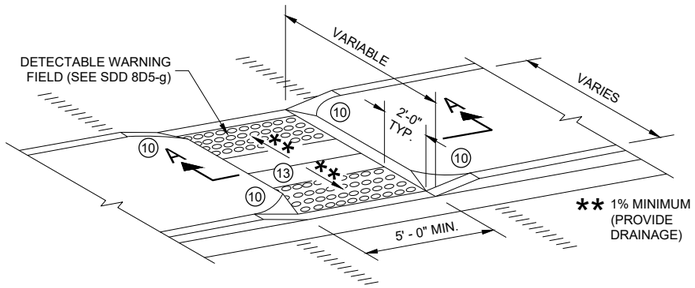


CURB RAMP TYPE 8

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.

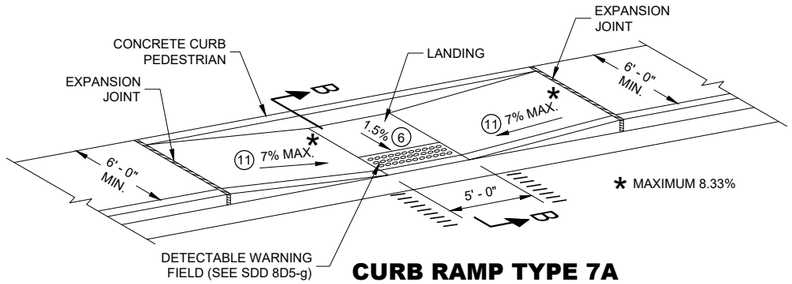
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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.

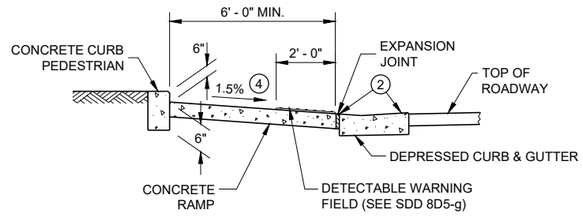
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

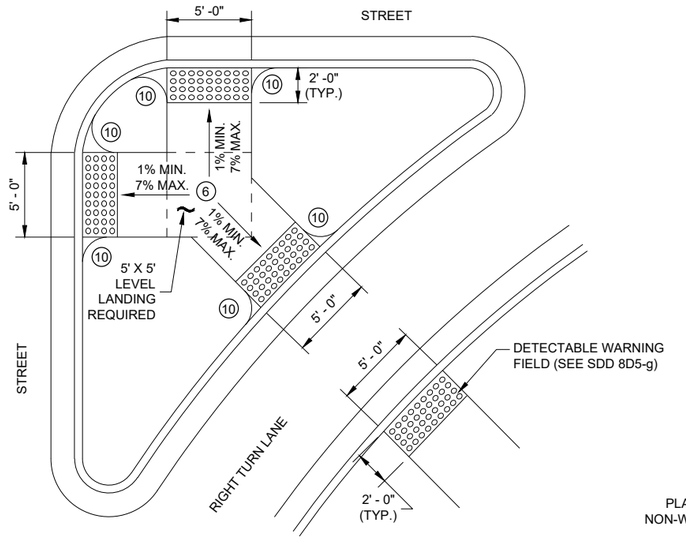


CURB RAMP TYPE 7A

MID BLOCK CROSSING



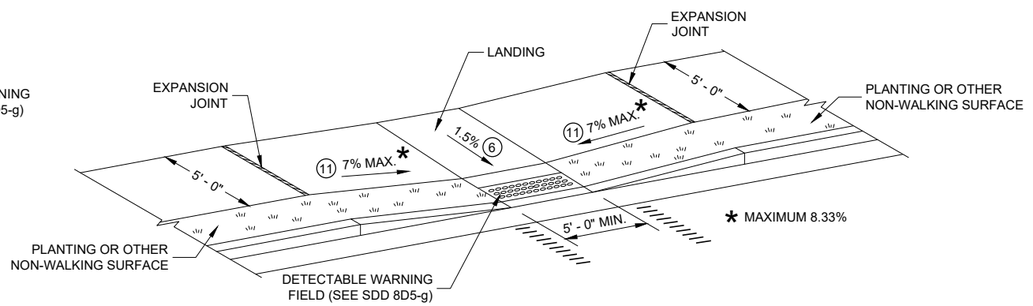
SECTION B - B FOR TYPE 7A



CURB RAMP TYPE 6

DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 08D05 - 20e

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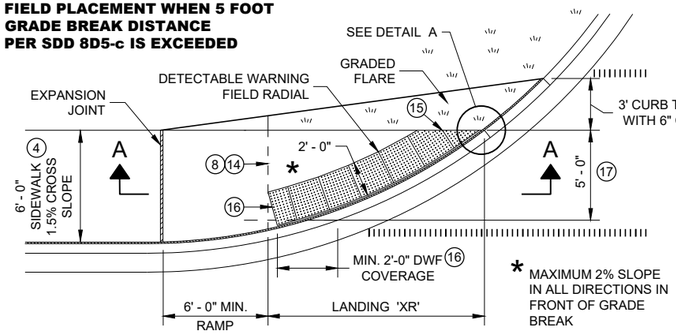
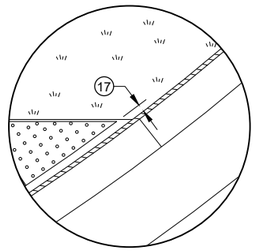
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



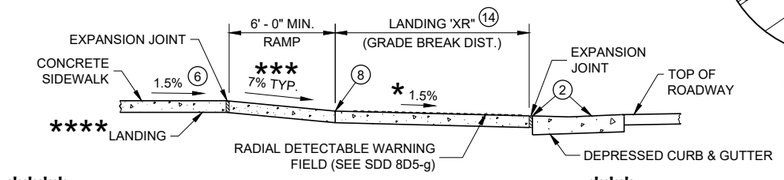
PLAN VIEW

CURB RAMP TYPE 4A1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL A

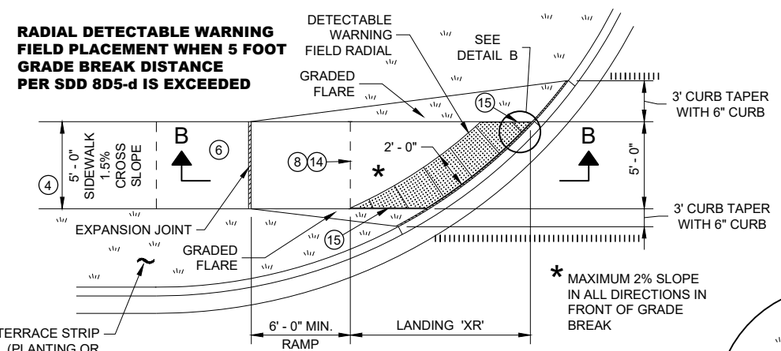


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1

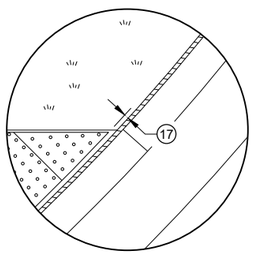
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



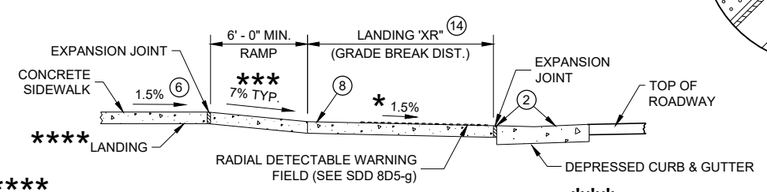
PLAN VIEW

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

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.

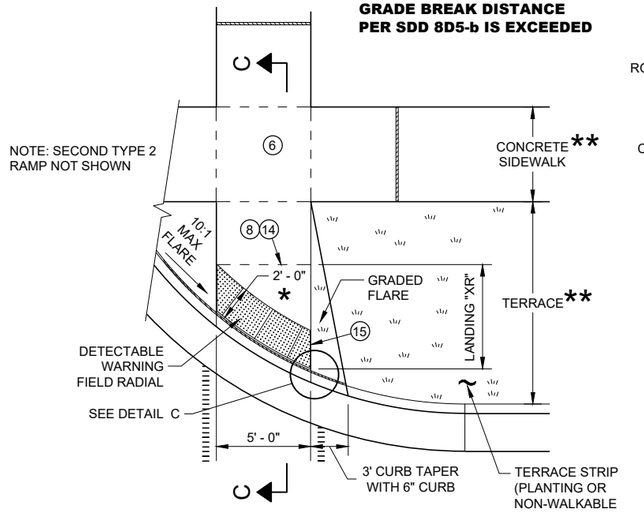
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(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-b IS EXCEEDED

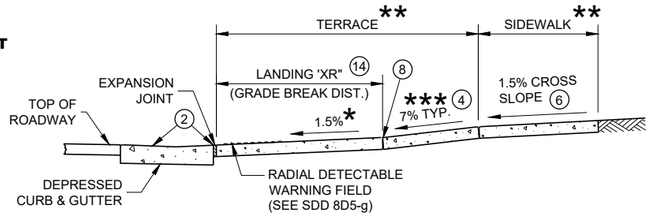


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

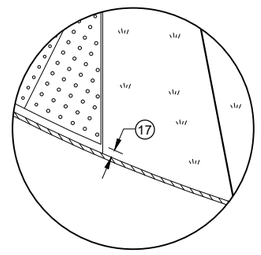


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



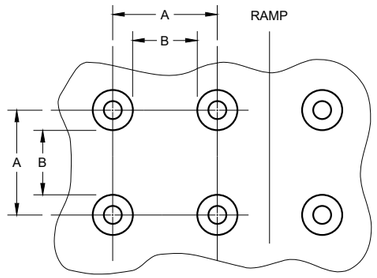
DETAIL C

CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

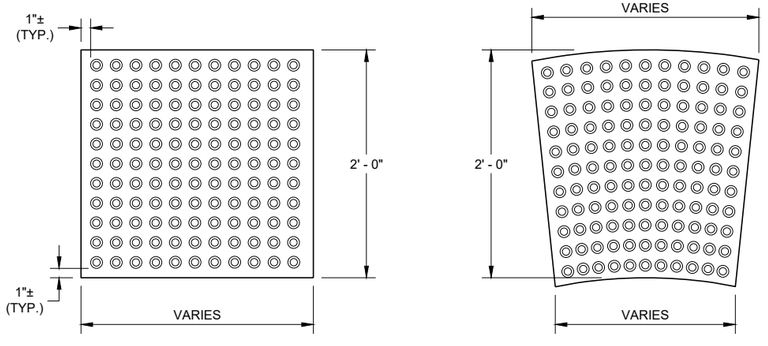
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



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.

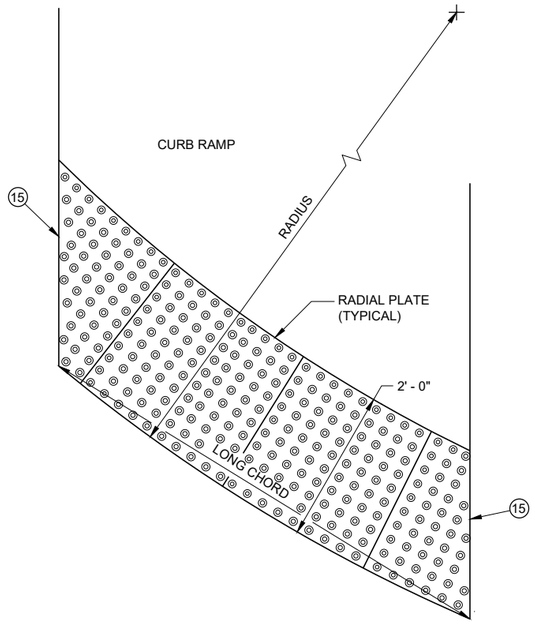
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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.

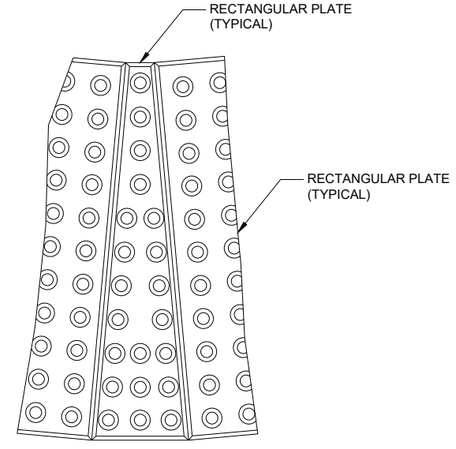
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

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

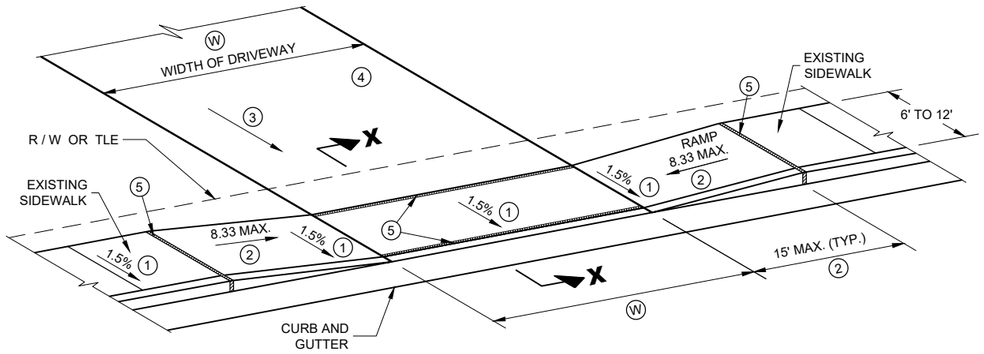
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

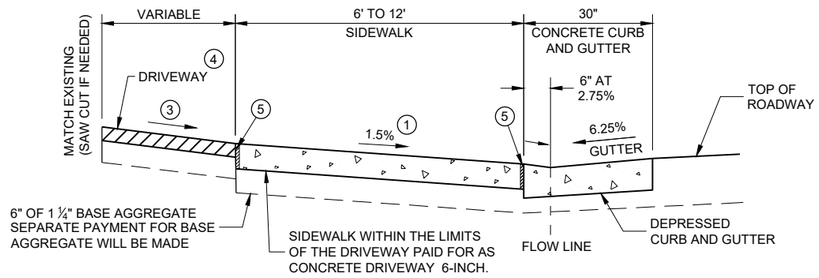
FHWA

6

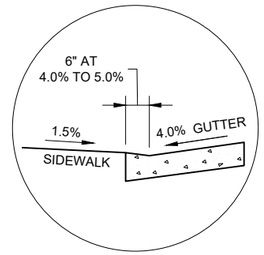
SDD 08D05 - 20g



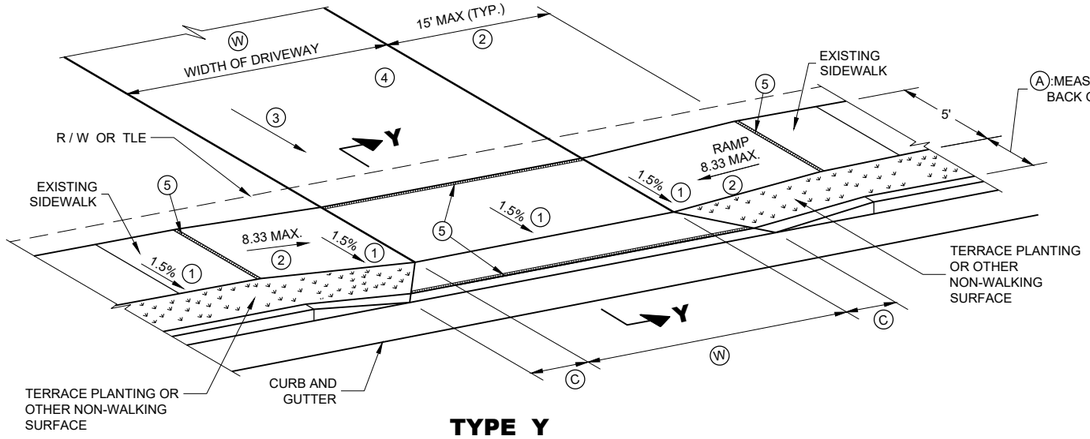
TYPE X
SIDEWALK ABUTS CURB AND GUTTER
TERRACE VARIES 0 TO 3 FEET



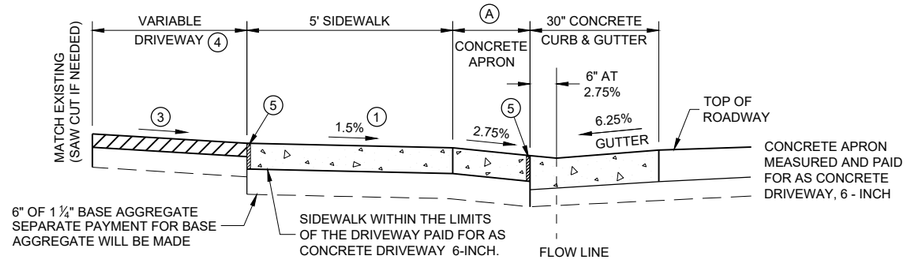
SECTION X - X



SECTION X - X
4% GUTTER SLOPE

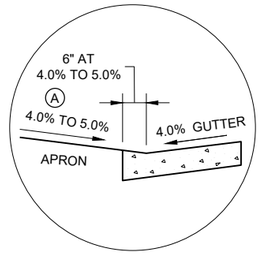


TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET



NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS

SECTION Y - Y



SECTION Y - Y
4% GUTTER SLOPE

DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER
(URBAN AND SUBURBAN)

Ⓦ: 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'

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

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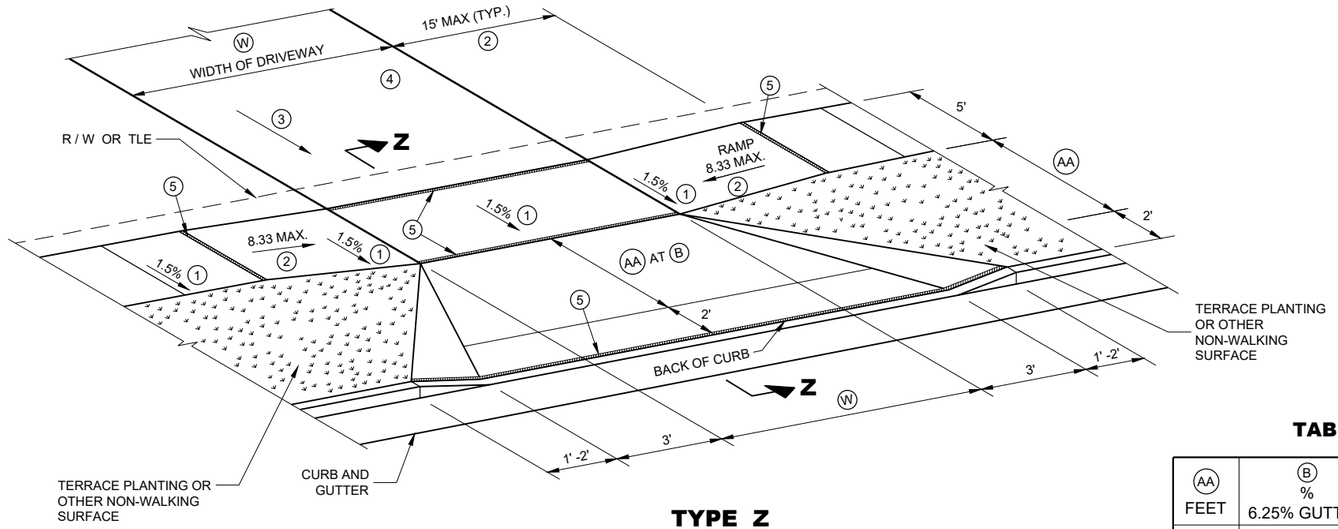


TYPE Z
SIDEWALK WITH WIDER TERRACE
TERRACE VARIES 7 TO 12 FEET

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.)

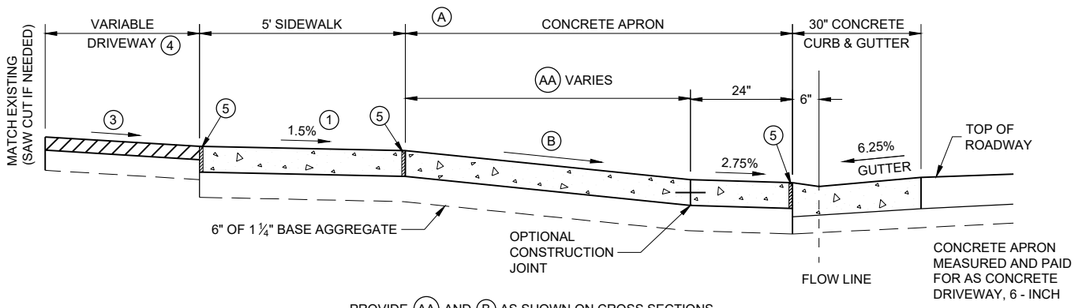
(5) ½" EXPANSION JOINT FILLER.

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%

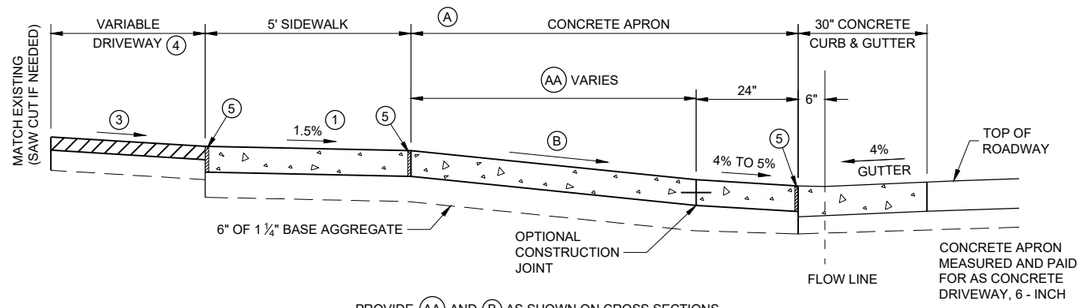
Ⓦ: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

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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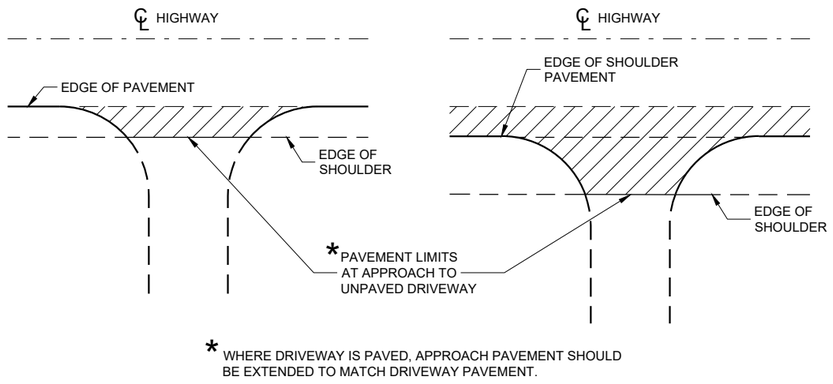
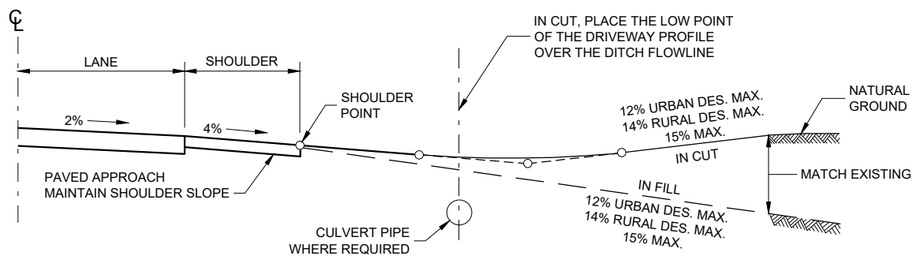
SDD 08D19 - 03



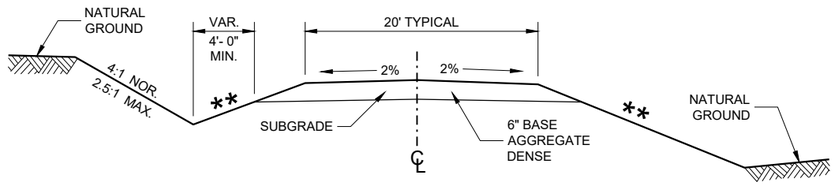
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

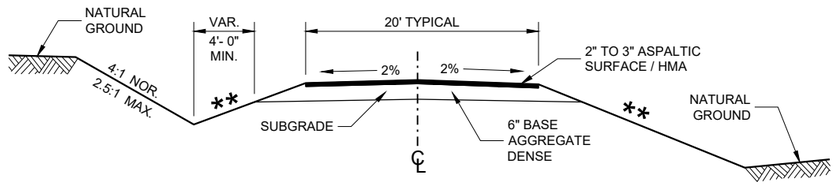


IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

** SLOPE CAN VARY WITH SPEED. SEE 11-45-30.6.2

POSTED SPEED MPH	MAX. SLOPE
<35	4:1
≥ 35 TO < 60	6:1
≥60	10:1



IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE

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SDD 08D21 - 01

DRIVEWAYS WITHOUT CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

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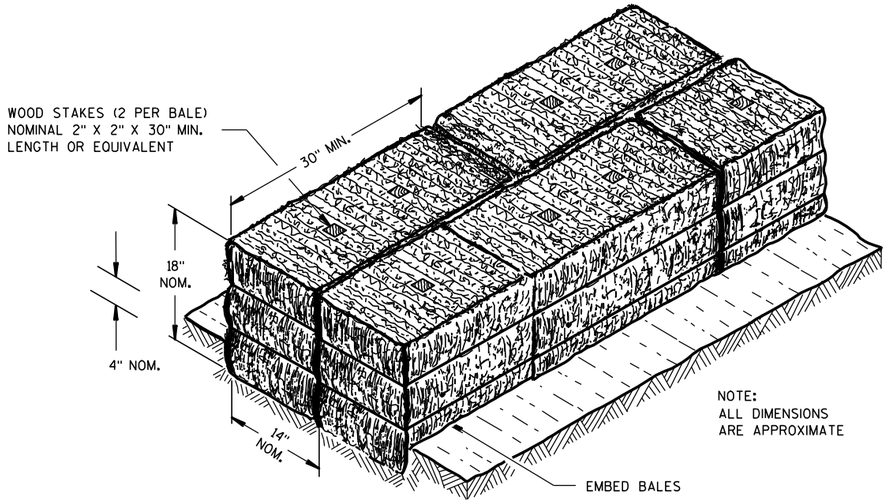
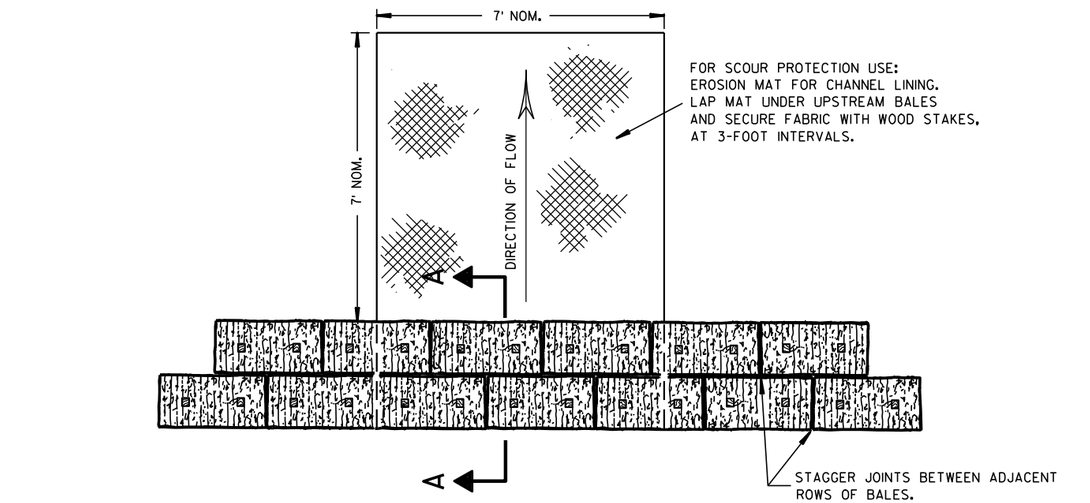
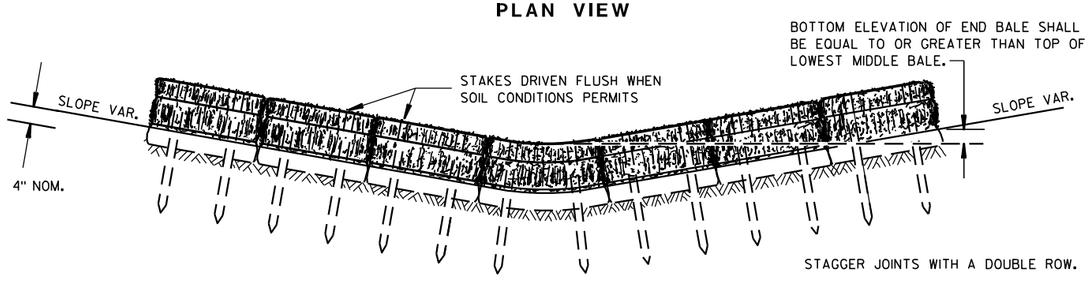


SECTION A-A



PLAN VIEW



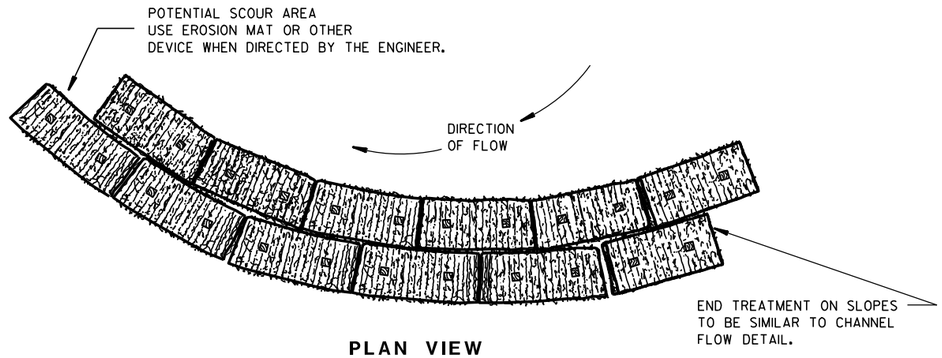
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

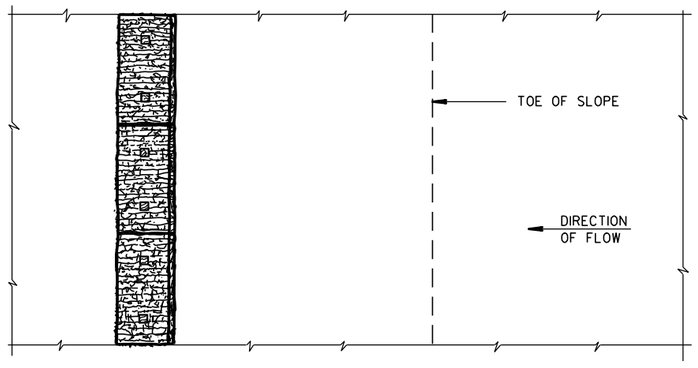
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

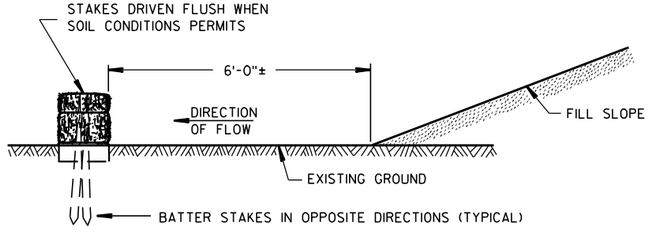


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/04/02 — DATE
/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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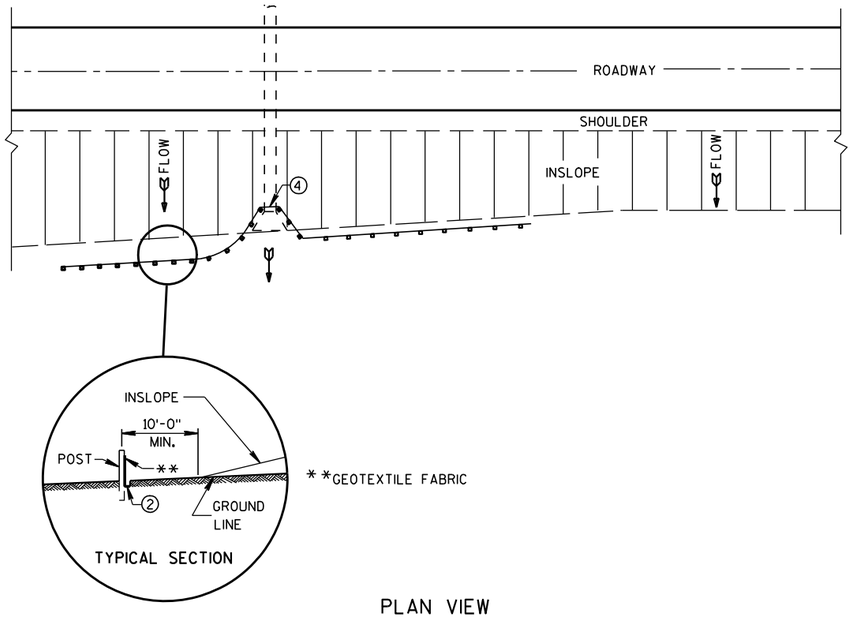
S.D.D. 8 E 8-3

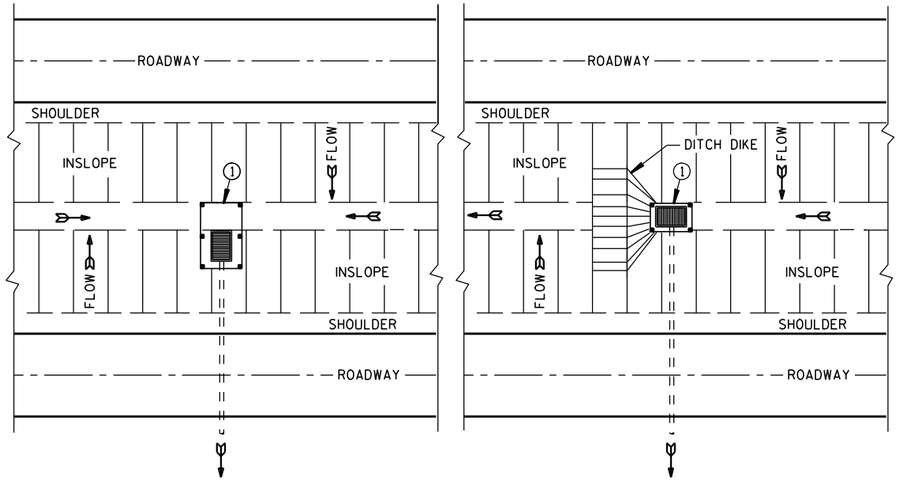
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



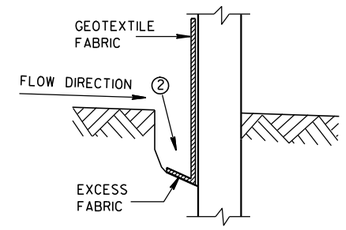
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

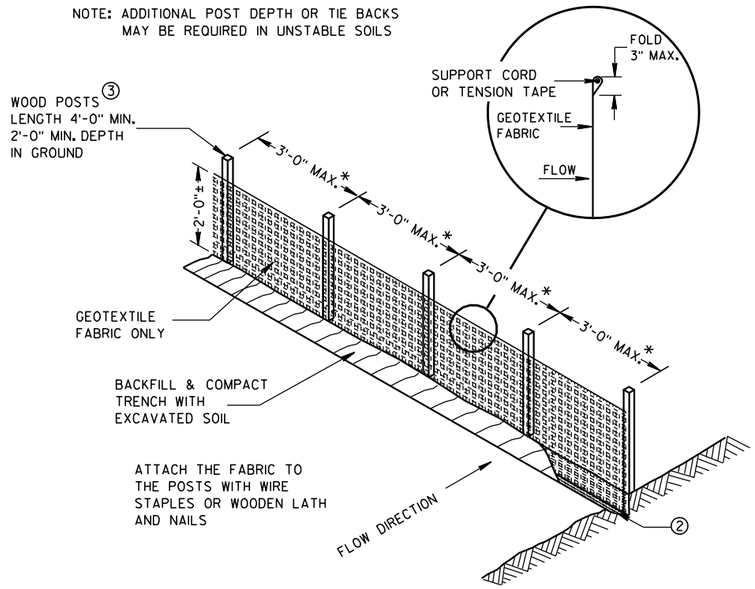
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

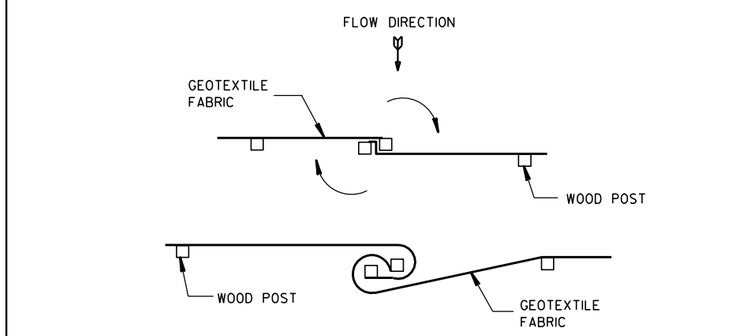
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



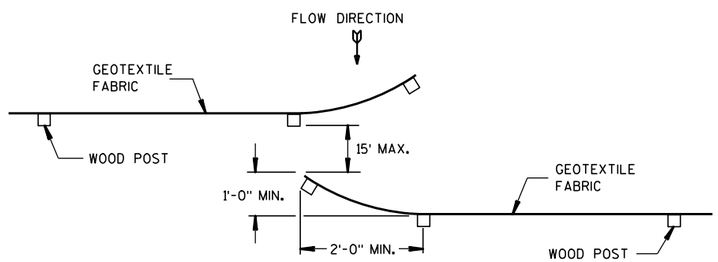
TRENCH DETAIL



SILT FENCE

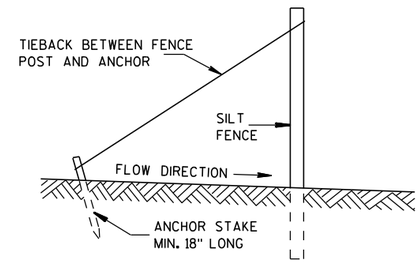


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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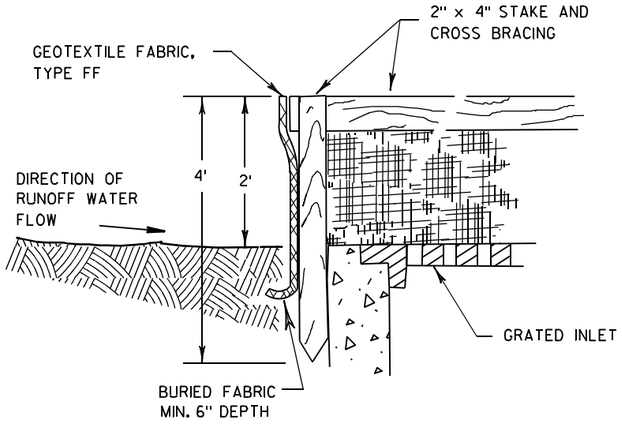
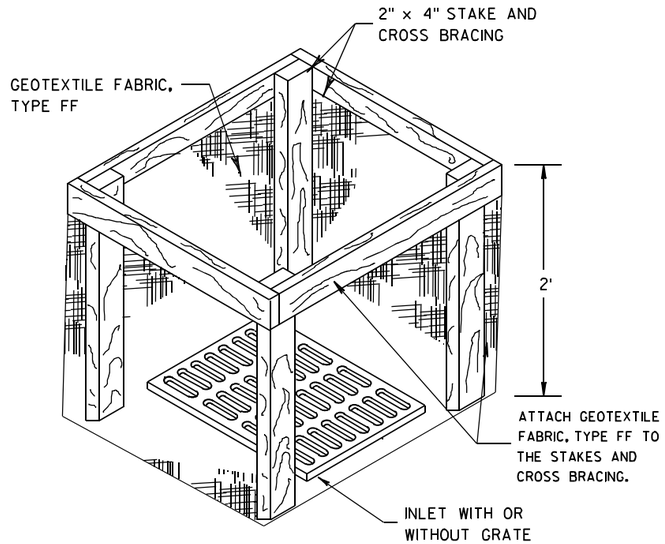
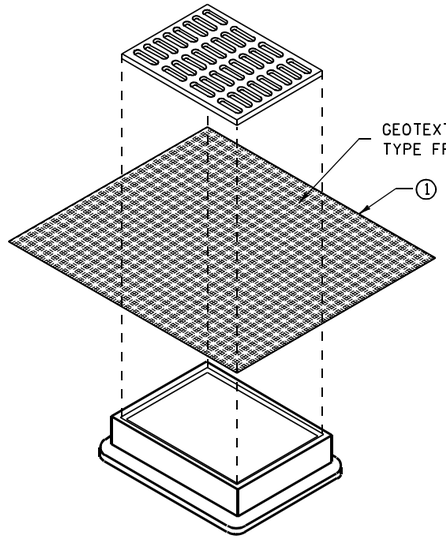


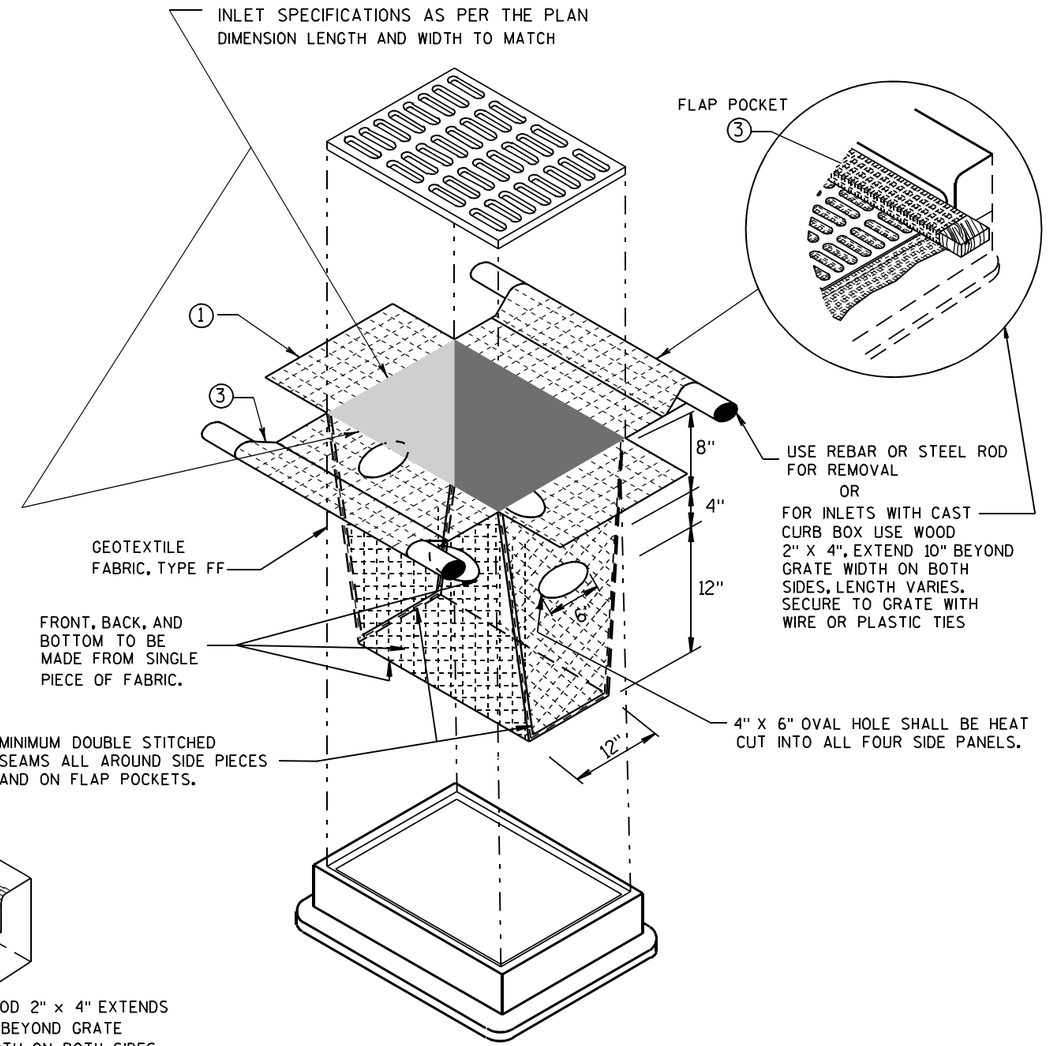


INLET PROTECTION, TYPE A



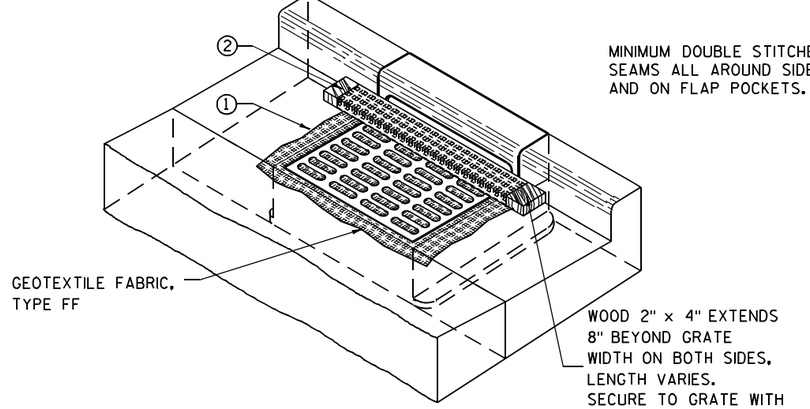
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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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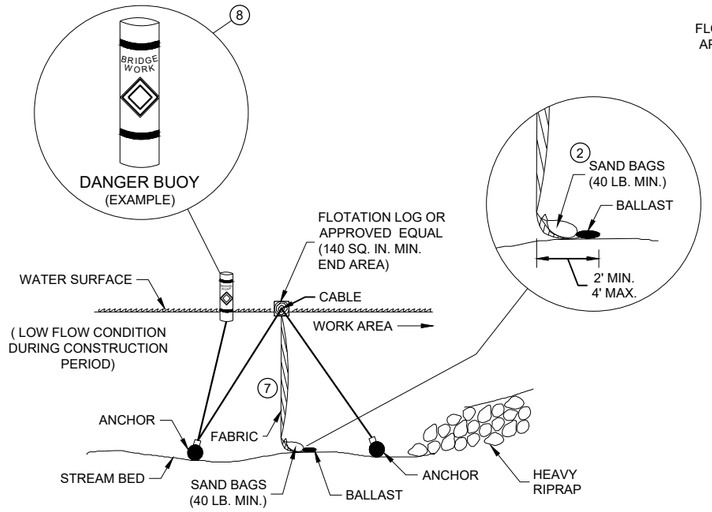
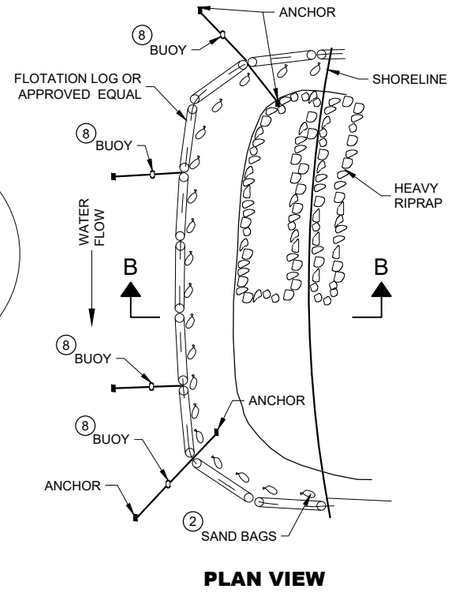
6

S.D.D. 8 E 10-2

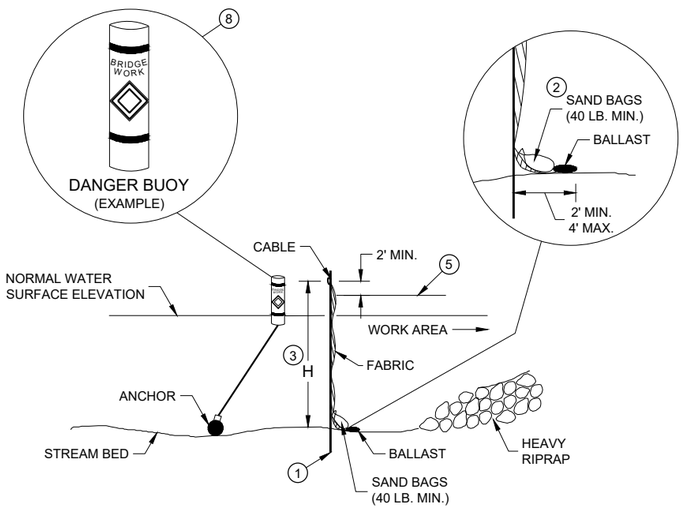


SECTION B - B

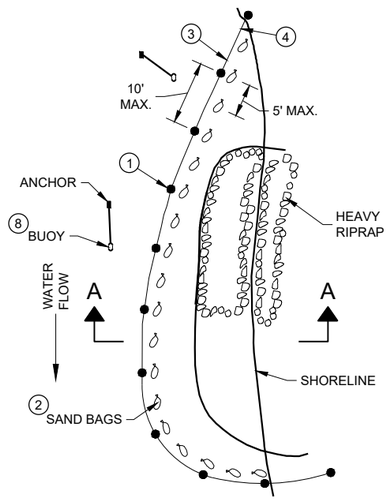


PLAN VIEW

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.

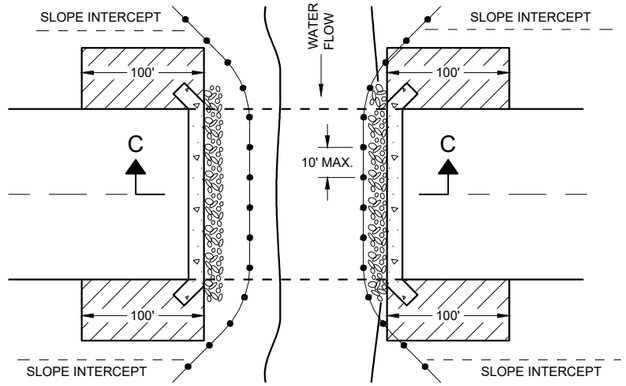
(4) IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.

(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.

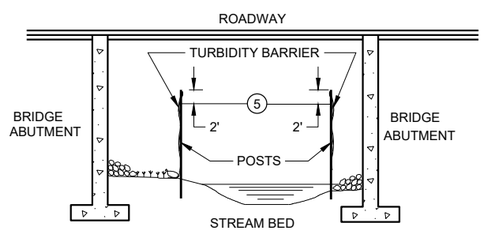
(6) FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BEDROCK PREVENTS THE INSTALLATION OF POSTS.

(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

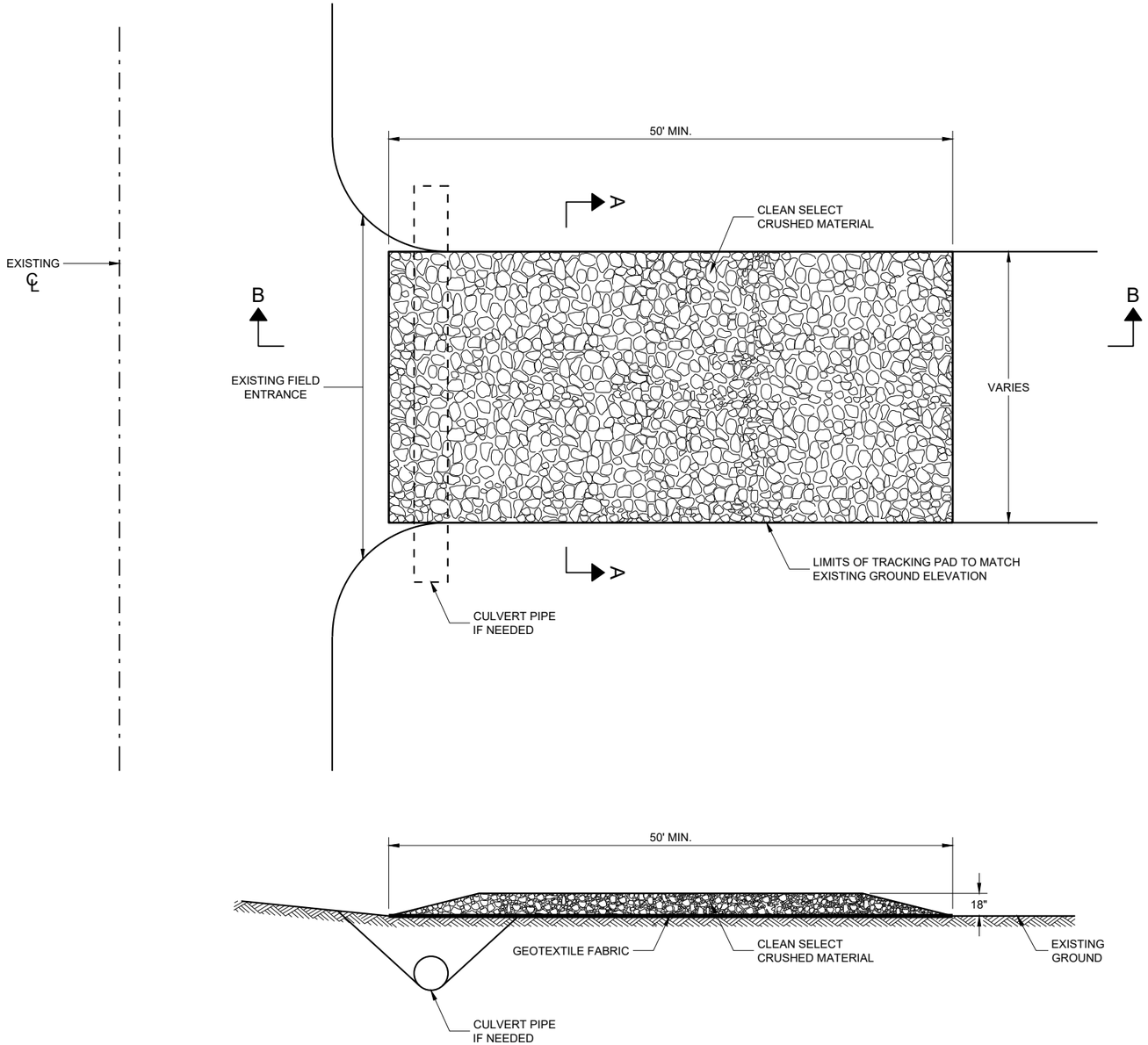
TURBIDITY BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/4/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

6
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.

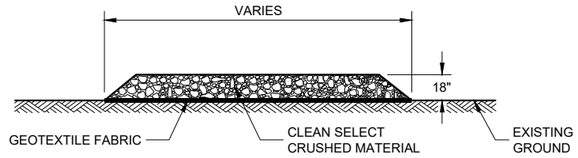
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

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

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

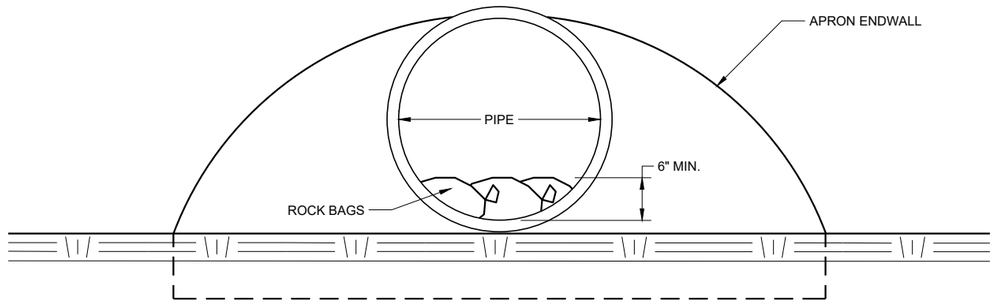
APPROVED
3/24/2011 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVE ENGINEER
FHWA

6

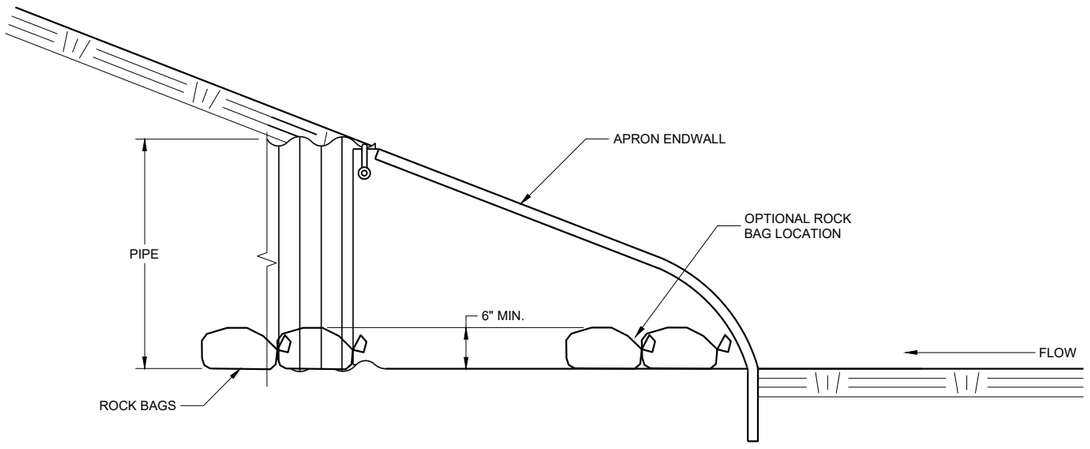
SDD 08E14 - 01

6

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

6

SDD 08E15 - 01

6

SDD 08E15 - 01

METAL APRON ENDWALLS

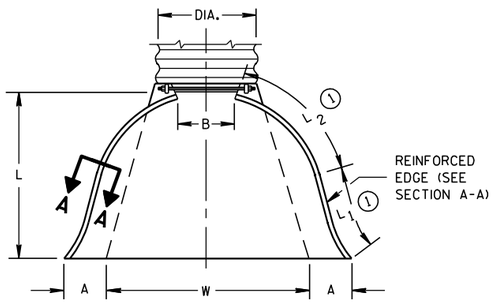
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

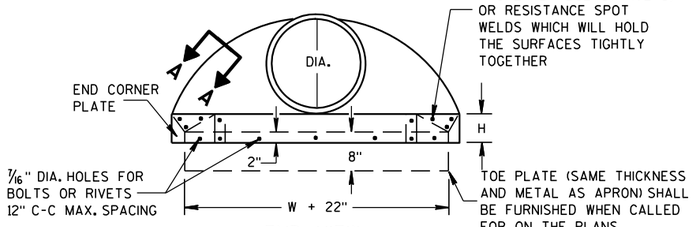
REINFORCED CONCRETE APRON ENDWALLS

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



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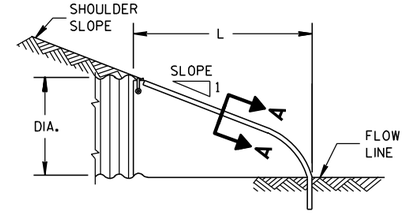
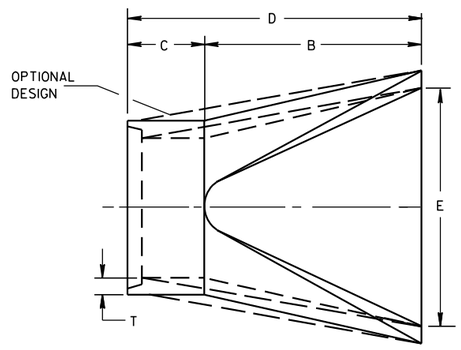
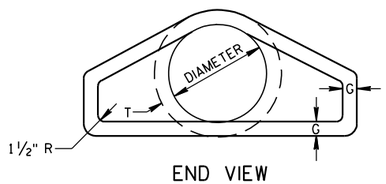


SIDE ELEVATION

METAL ENDWALLS



PLAN



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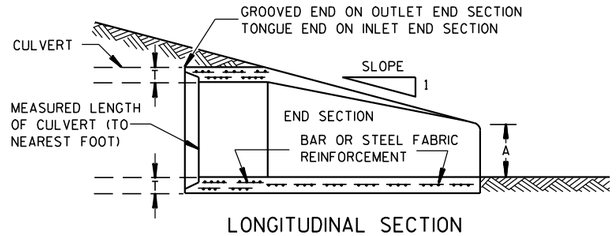
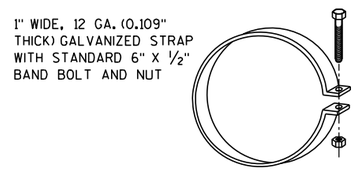


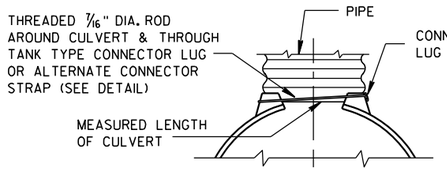
LONGITUDINAL SECTION

CONCRETE ENDWALLS

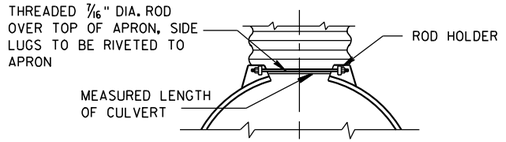


ALTERNATE FOR TYPE 1 CONNECTION

END SECTION CONNECTOR STRAP

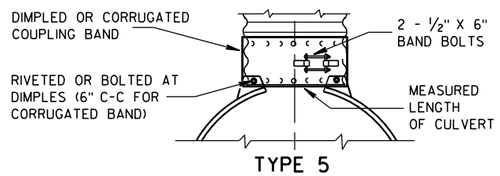


TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

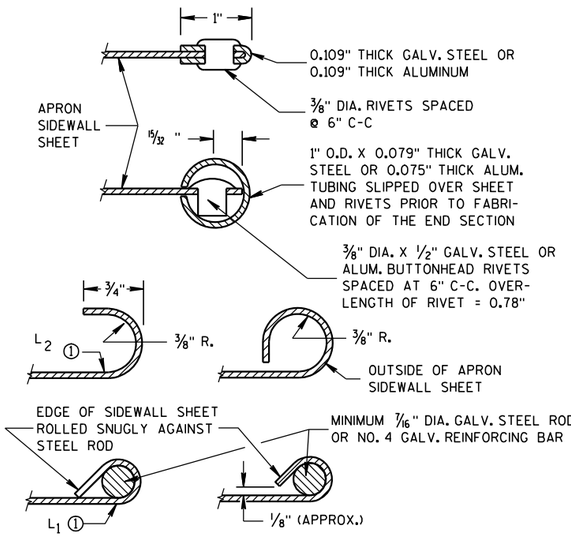
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

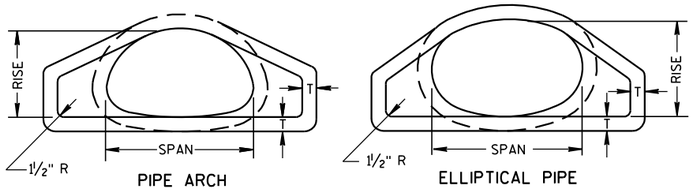
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

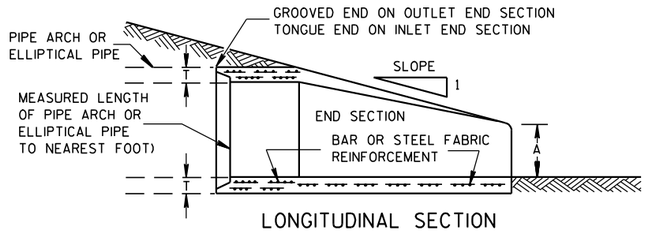
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOP 551 NEER
FHWA

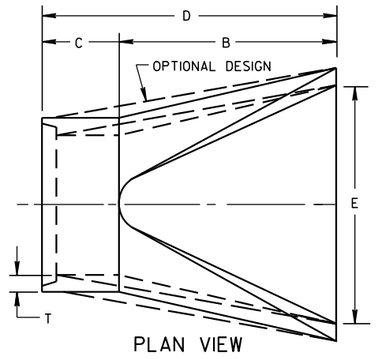
6
S.D.D. 8 F 1-11



END VIEW

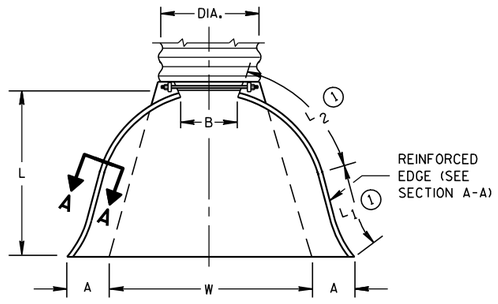


LONGITUDINAL SECTION

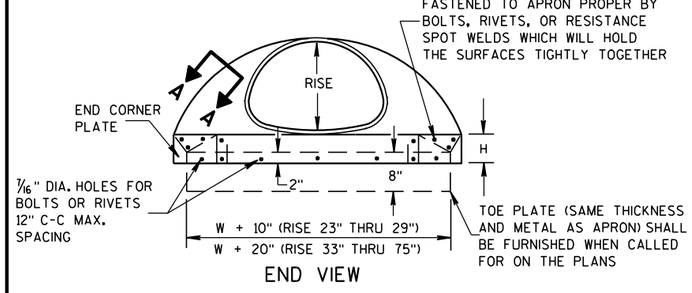


PLAN VIEW

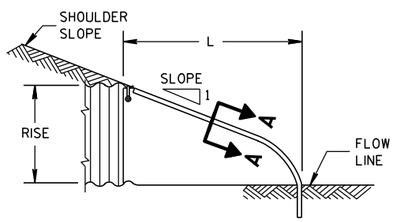
CONCRETE ENDWALLS



PLAN VIEW

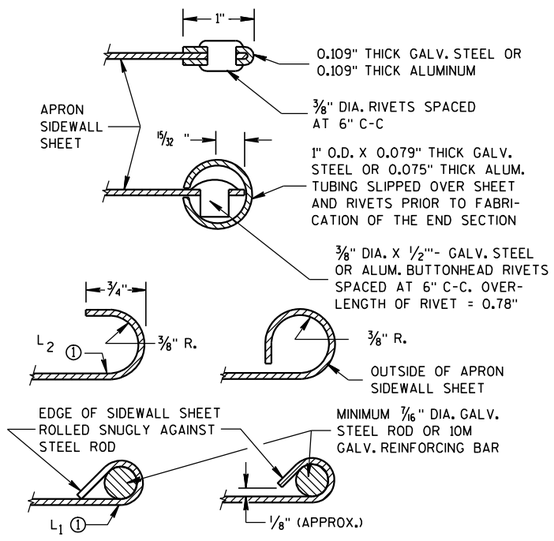


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	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
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	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
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

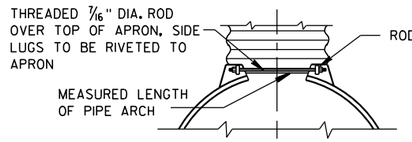
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

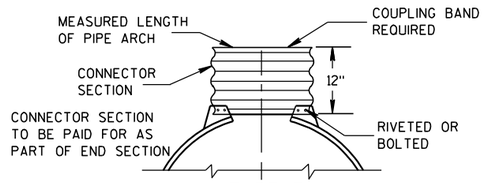
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



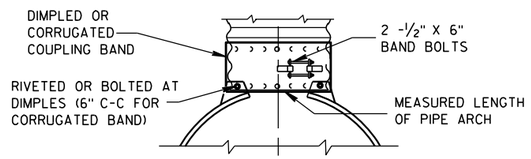
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION 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.

CONCRETE APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH 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 ARCH 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 77" X 52" THROUGH 112" X 75" 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 ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

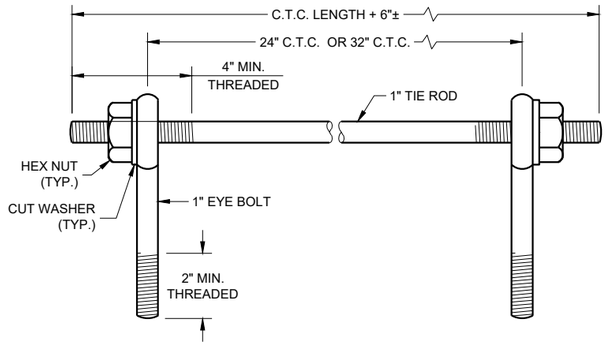
11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

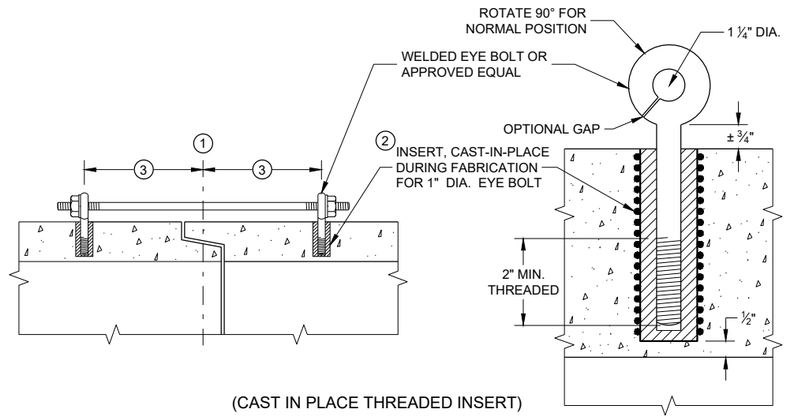
FHWA

6

S.D.D. 8 F 2-1



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.

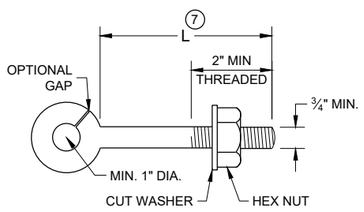
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

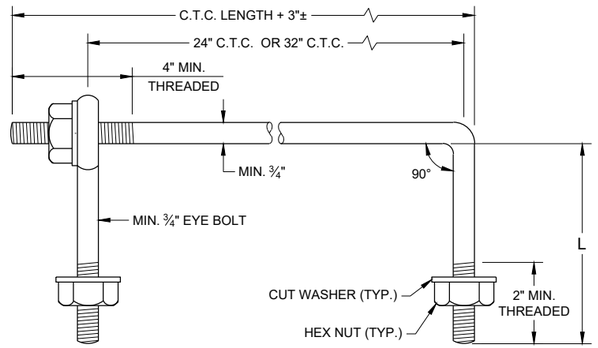
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

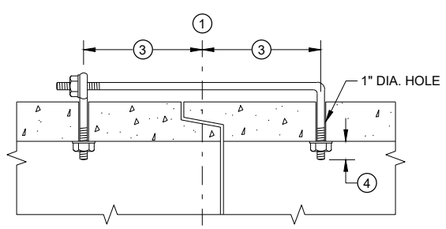


EYE BOLT (7)

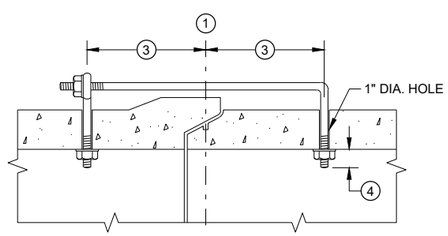
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

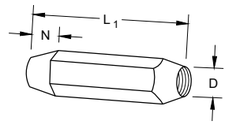
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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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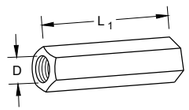
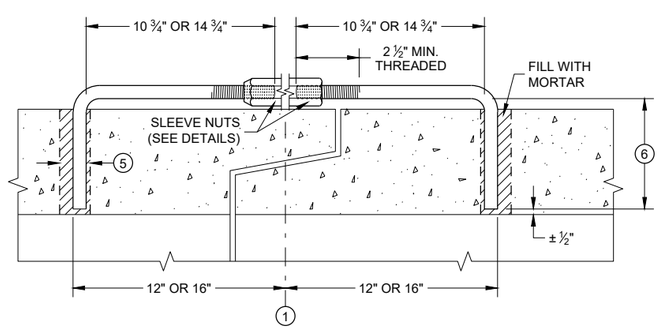


PLAIN

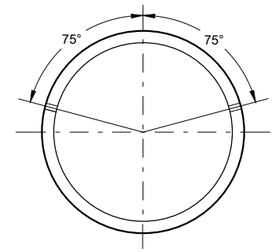
RIGHT AND LEFT THREADS

SLEEVE NUTS



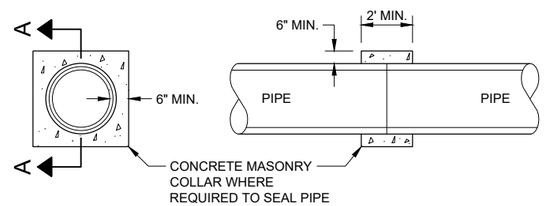
LONGITUDINAL SECTION

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

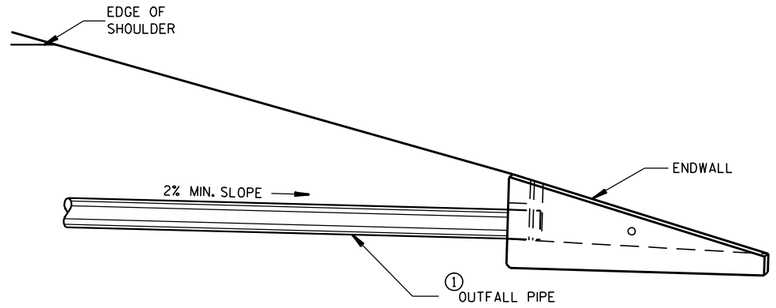
FHWA

SDD 08F04 - 08

SDD 08F04 - 08

DIMENSIONS IN INCHES											
PIPE DIA.	A	B	C	D	E	F	G	H	J	L	Z
**4	6	12	5 1/4	9	8	32	36	11	2 3/8	6 1/2	4
6	8	14	7 1/4	11	10	42	44	13	3 5/8	8 1/2	6

**APRON ENDWALL FOR 6 INCH DIAMETER PIPE MAY BE SUBSTITUTED FOR THIS SIZE PROVIDED THE HOLE IN THE HEADWALL IS SIZED AND LOCATED TO CONFORM TO THE 4 INCH DIAMETER PIPE DIMENSIONS (C & J)



INSTALLATION 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.

ALTERNATIVE DESIGNS WHICH PROVIDE EQUIVALENT CAPACITY AND STRENGTH MAY BE USED WHEN APPROVED BY THE ENGINEER. ENDWALL MAY BE EITHER PRECAST OR CAST-IN-PLACE CONCRETE.

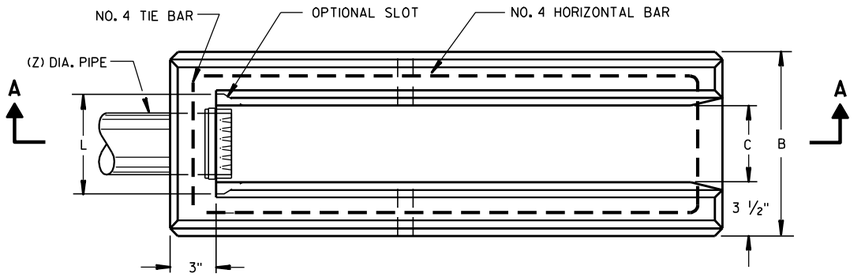
THE UNDERDRAIN PIPE SHALL BE FULLY INSERTED AND SEALED INTO THE ENDWALL WITH CEMENT MORTAR PRIOR TO BACKFILLING AROUND THE STRUCTURE.

THE UPPERMOST POINT OF THE ENDWALL SHALL BE PLACED FLUSH WITH THE ROADWAY SLOPE. ADJACENT EMBANKMENT SLOPES SHALL BE SHAPED TO FIT THE SIDES AND TOE OF THE ENDWALL. EXACT PLACEMENT OF THE OUTFALL PIPE AND ENDWALL SHALL BE DETERMINED BY THE ENGINEER TO MATCH THE ELEVATIONS AND FLOW DIRECTION OF THE ROADSIDE DITCH.

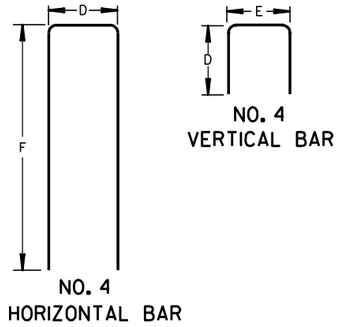
① THE OUTFALL PIPE UNDERDRAIN AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION FOR POLY (VINYL CHORIDE) (PVC) PLASTIC DRAIN, WASTE AND VENT PIPE AND FITTINGS, ASTM DESIGNATION: D 2665, SCHEDULE 40 PVC OR THE STANDARD SPECIFICATION FOR TYPE PSM POLY (VINYL CHORIDE) (PVC) SEWER PIPE AND FITTINGS, ASTM DESIGNATION: D 3034, TYPE PSM SDR 23.5 PVC SEWER PIPE, ALL JOINTS SHALL BE SOLVENT WELDED.

THE OUTFALL PIPE INCLUDING ALL FITTINGS AND THE RODENT SHIELD SHALL BE MEASURED AND PAID FOR AS PIPE UNDERDRAIN UNPERFORATED.

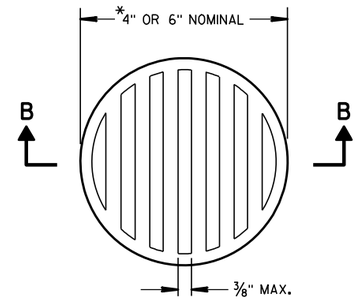
② THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE OUTFALL PIPE. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

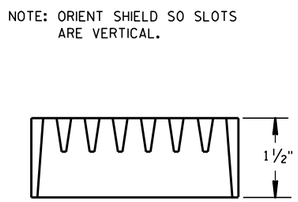


PLAN VIEW



BAR STEEL REINFORCEMENT DETAILS

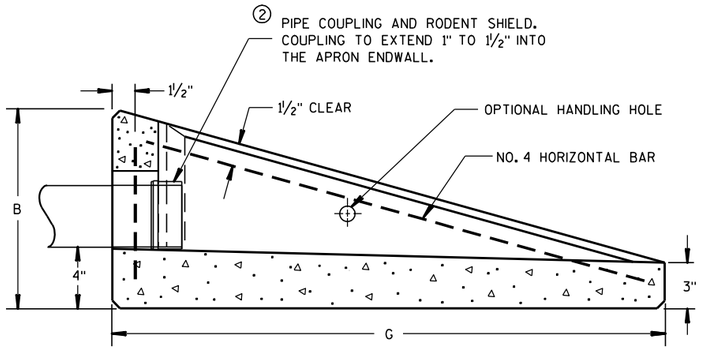




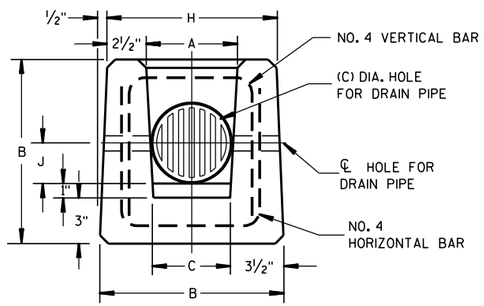
SECTION B-B

② RODENT SHIELD

*NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.



SECTION A-A



END VIEW

CONCRETE APRON ENDWALL FOR UNDERDRAIN

REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

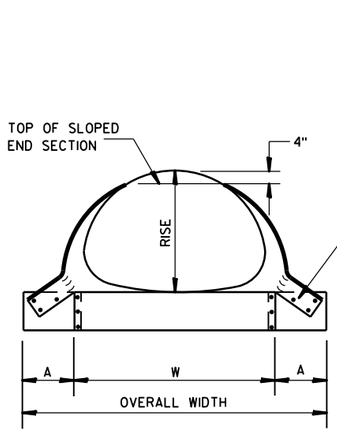
APPROVED
3/10/98 DATE
/S/ Rory L. Rhinehart
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

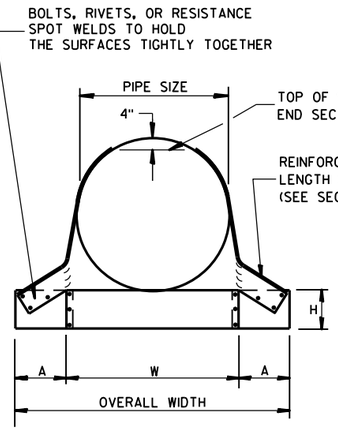
S.D.D. 8 F 6-4

6

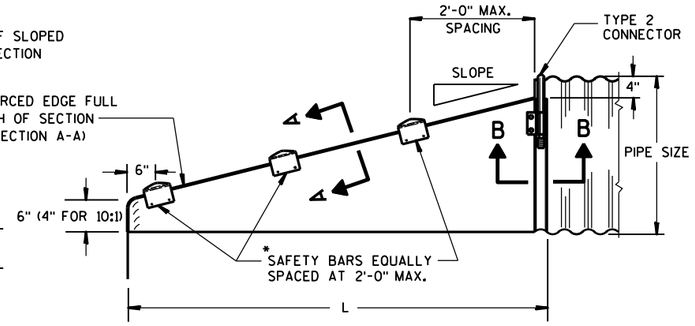
S.D.D. 8 F 6-4



FRONT VIEW



FRONT VIEW



SIDE VIEW

GENERAL NOTES

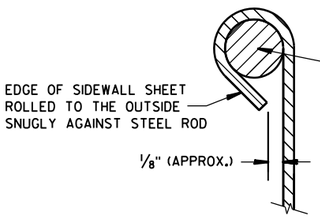
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SLOPED END SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SECTION 521 FOR STEEL APRON ENDWALLS.

SAFETY BARS SHALL BE FABRICATED FROM GALVANIZED STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL.

STEEL APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS

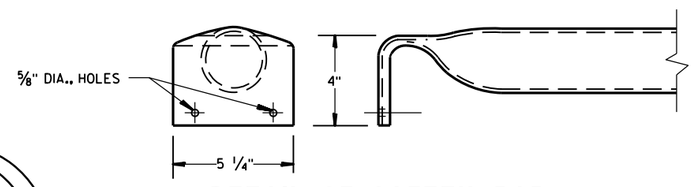
PIPE DIA. (IN.)	MIN. THICK. (Inches)	DIMENSIONS (Inches)				L DIMENSIONS					
		A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	.064	8	6	21	37	4:1	20	6:1	30	10:1	70
18	.064	8	6	24	40	4:1	32	6:1	48	10:1	100
21	.064	8	6	27	43	4:1	44	6:1	66	10:1	130
24	.064	8	6	30	46	4:1	56	6:1	84	10:1	160
30	.109	12	9	36	60	4:1	80	6:1	120	10:1	220
36	.109	12	9	42	66	4:1	104	6:1	156	10:1	280
42	.109	16	12	48	80	4:1	128	6:1	192	——	——
48	.109	16	12	54	86	4:1	152	6:1	228	——	——
54	.109	16	12	60	92	4:1	176	6:1	264	——	——
60	.109	16	12	66	98	4:1	200	6:1	300	——	——



SECTION A-A

*NOTE:
THREE SAFETY BARS ARE SHOWN. ACTUAL NUMBER OF BARS REQUIRED AT A 2'-0" C-C MAX. SPACING WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

3" GALVANIZED PIPE. FLATTEN ENDS, THEN BEND OUTSIDE 4" TO MATCH END SECTION SIDES.

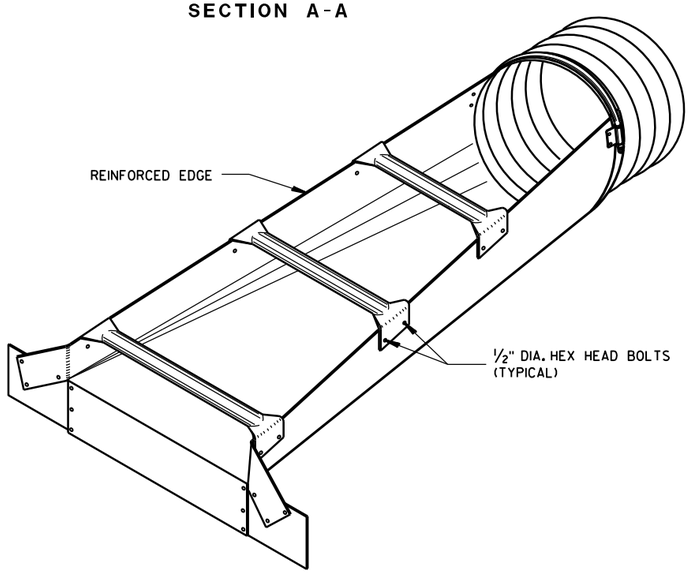


DETAIL OF SAFETY BAR

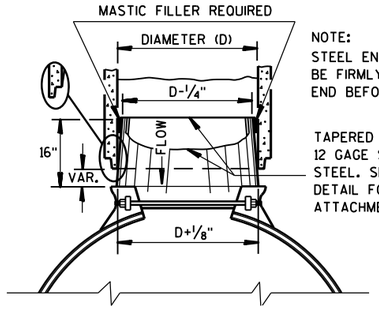
STEEL APRON ENDWALLS FOR PIPE ARCH SLOPED SIDE DRAINS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) ①	DIMENSIONS (Inches) A	H	W	OVERALL WIDTH	L DIMENSIONS SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	17	13	.064 *	7	6	30	44	4:1	19	6:1	30	10:1 ②	70
18	21	15	.064 *	8	6	27	43	4:1	20	6:1	30	10:1	70
21	24	18	.064 *	8	6	30	46	4:1	32	6:1	48	10:1	100
24	28	20	.064 *	8	6	34	50	4:1	40	6:1	60	10:1	120
30	35	24	.079 *	12	9	41	65	4:1	56	6:1	84	10:1	160
36	42	29	.109 *	12	9	48	72	4:1	76	6:1	114	10:1	210
42	49	33	.109	16	12	55	87	4:1	92	6:1	138	——	——
48	57	38	.109	16	12	63	95	4:1	112	6:1	168	——	——
54	64	43	.109	16	12	70	102	4:1	132	6:1	198	——	——

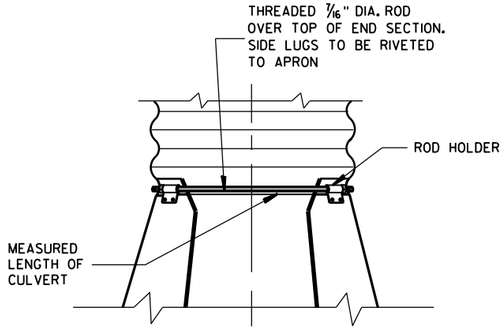
① * MINIMUM THICKNESS OF ALL 10:1 SLOPED SIDE DRAINS IS 0.109".
② ACTUAL SLOPE GREATER THAN 10:1.



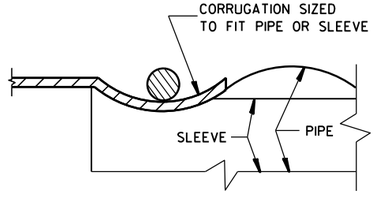
ISOMETRIC VIEW



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



TYPE 2
CONNECTION DETAIL



SECTION B-B

STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/14/2012 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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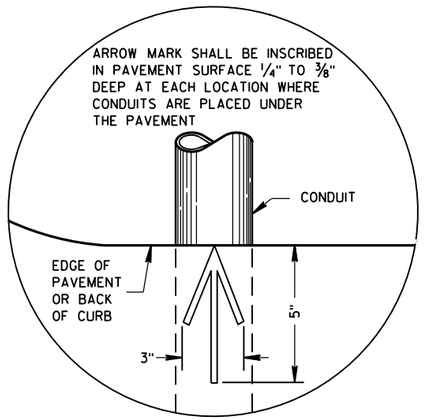
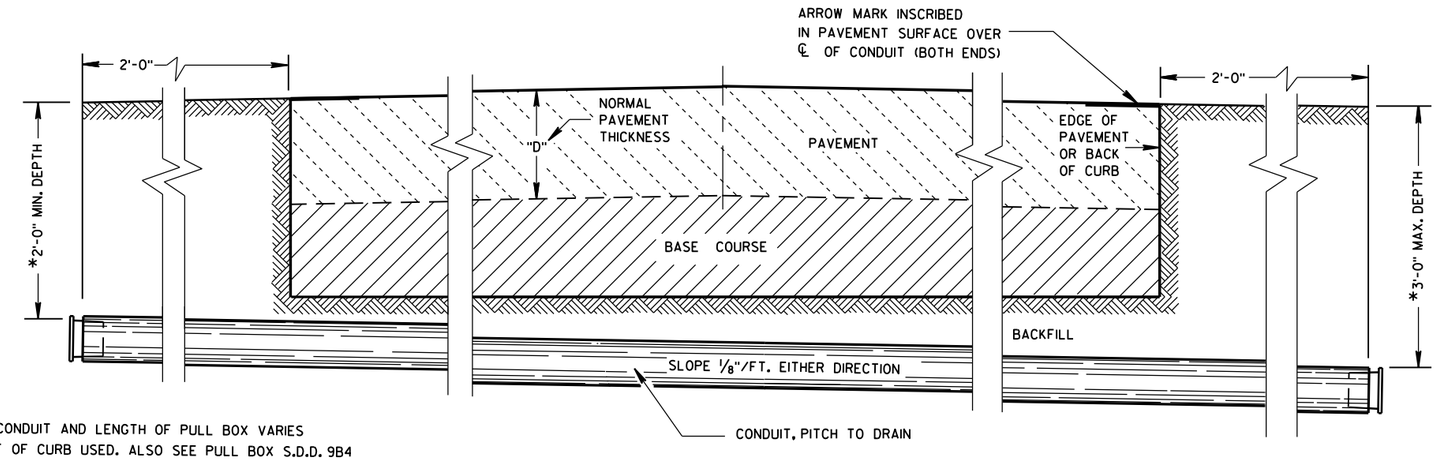
S.D.D. 8 F 7-5



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 556
FHWA

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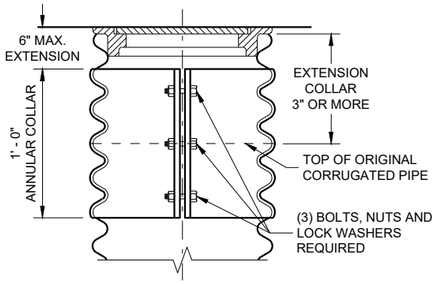
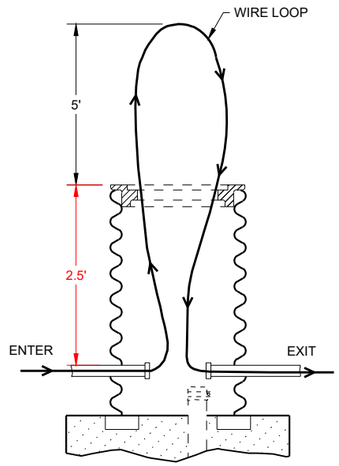
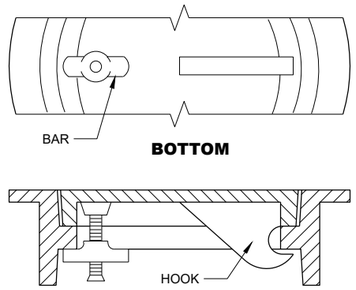
S.D.D. 9 B 2-10



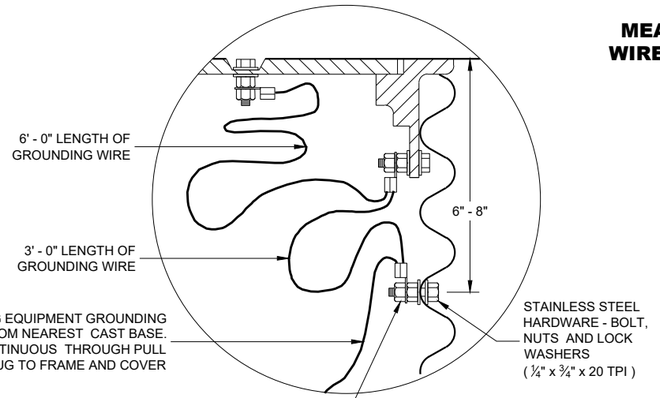
CORRUGATED PIPE EXTENDER



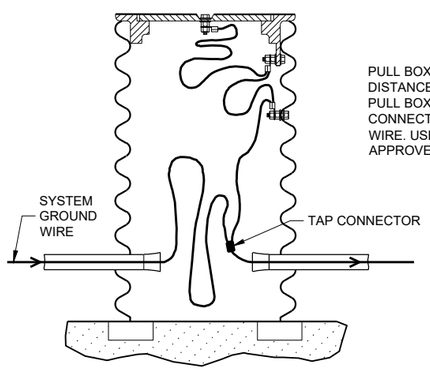
MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



ALTERNATE COVER (LOCKING)
TIGHTENING BAR TYPE

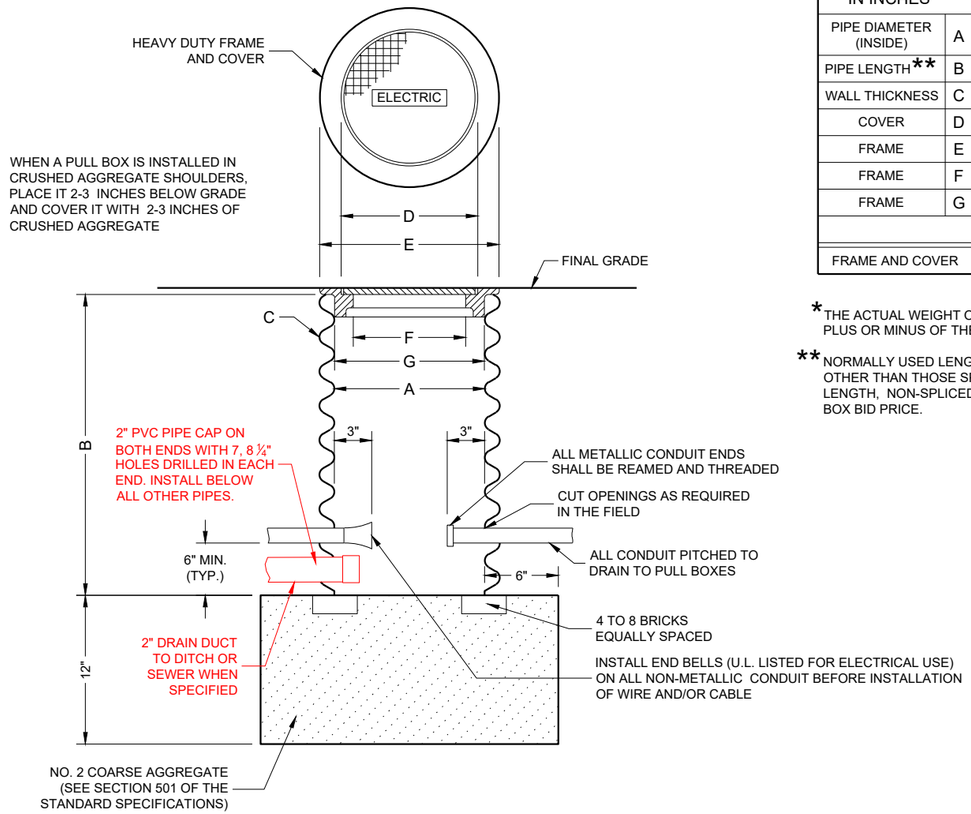


EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN ¼".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH**	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 ¼	10 ¼	10 ¼	16 ¼	16 ¼	16 ¼	22 ¼	22 ¼	22 ¼
FRAME	E	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½	26 ½	26 ½	26 ½
FRAME	F	8 ½	8 ½	8 ½	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½
FRAME	G	11 ½	11 ½	11 ½	17 ½	17 ½	17 ½	23 ½	23 ½	23 ½
WEIGHT IN POUNDS*										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

*THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

**NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 557

FHWA

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SDD 09B04 -12

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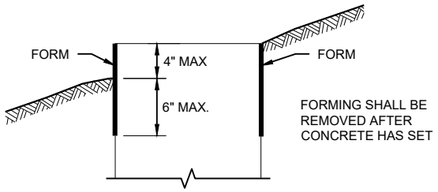
SDD 09B04 -12

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

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

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

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

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

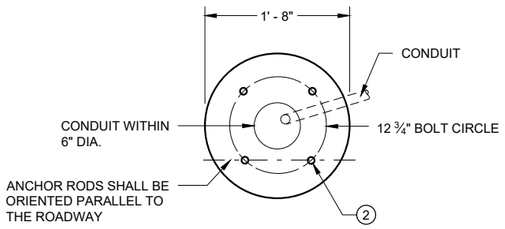
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

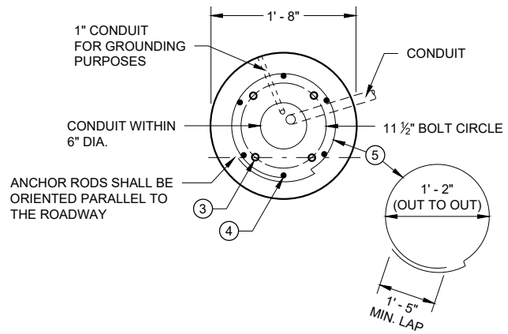
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

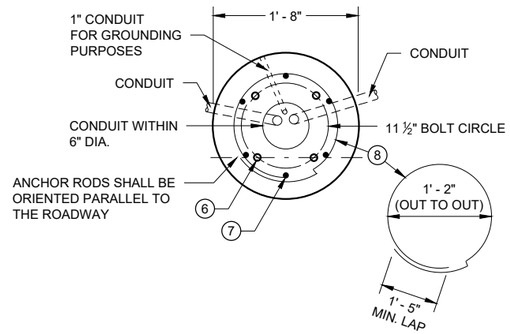
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







1 THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

2 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

3 (4) 1" DIA. X 5' - 0" ANCHOR RODS.

4 (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

5 (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

6 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

7 (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

8 (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

9 EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

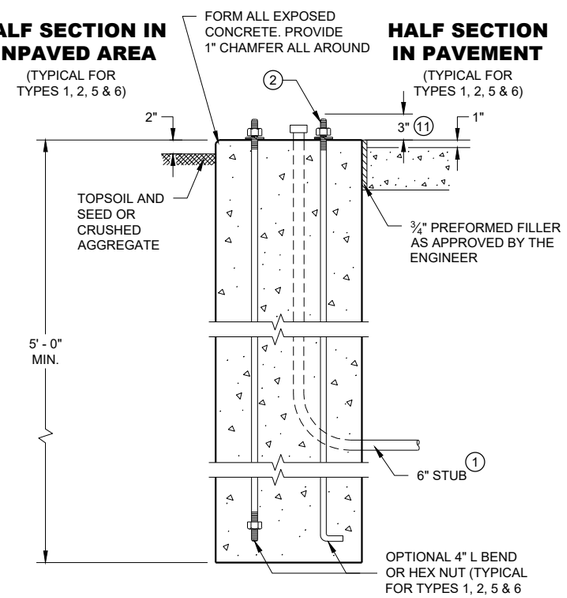
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

11 ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

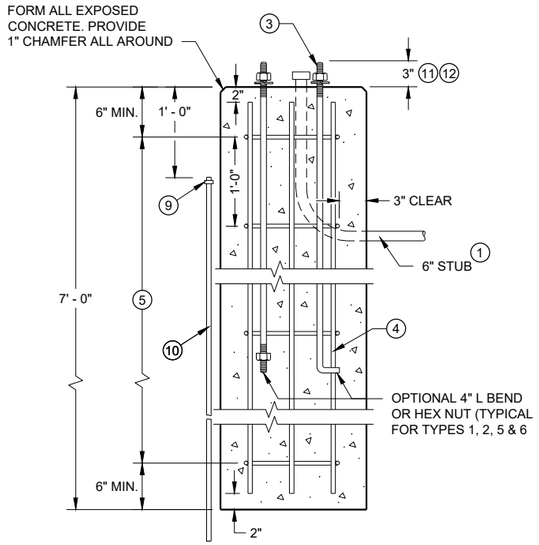
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

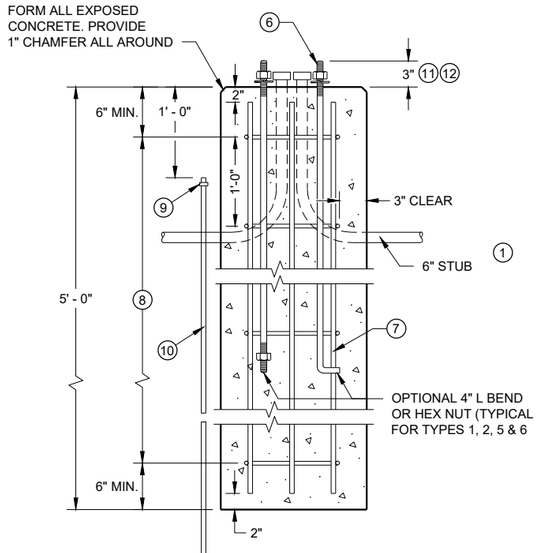
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES
TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 558

FHWA

6
SDD 09C02 - 09

GENERAL NOTES

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

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

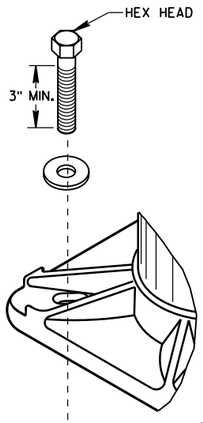
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

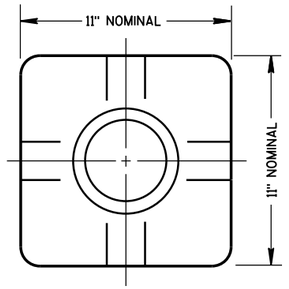
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

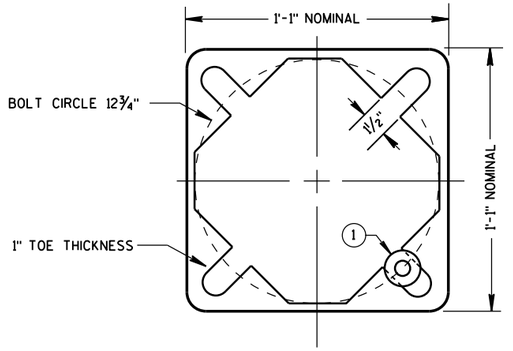
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

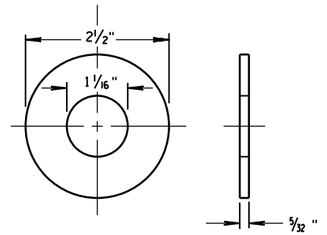




TOP VIEW
(PEDESTAL BASE)

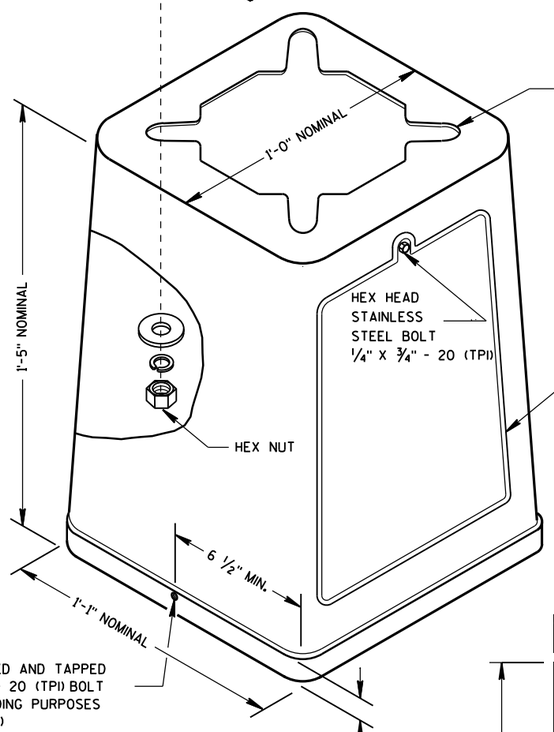


BOTTOM VIEW
(PEDESTAL BASE)

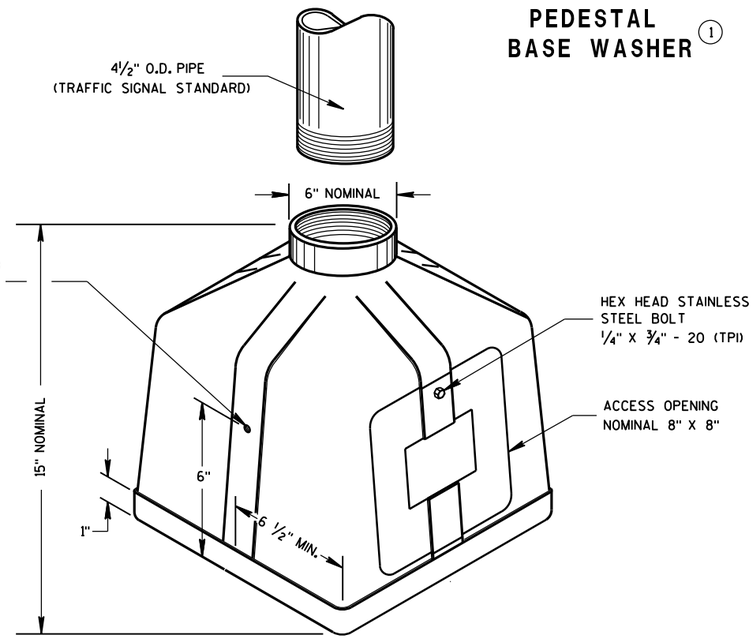


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

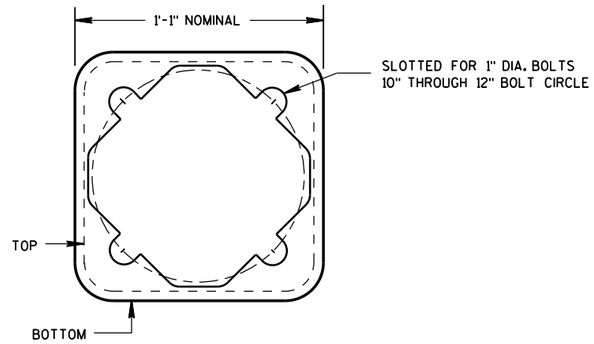
PEDESTAL BASE WASHER (1)



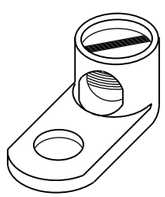
ISOMETRIC VIEW



ISOMETRIC VIEW
PEDESTAL BASE

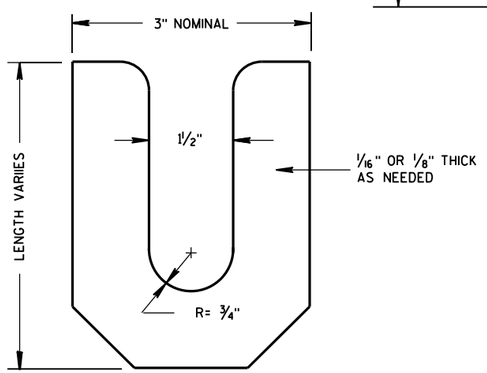


BOTTOM VIEW
(TRANSFORMER BASE)



TYPICAL MECHANICAL CONNECTOR LUG
TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE
INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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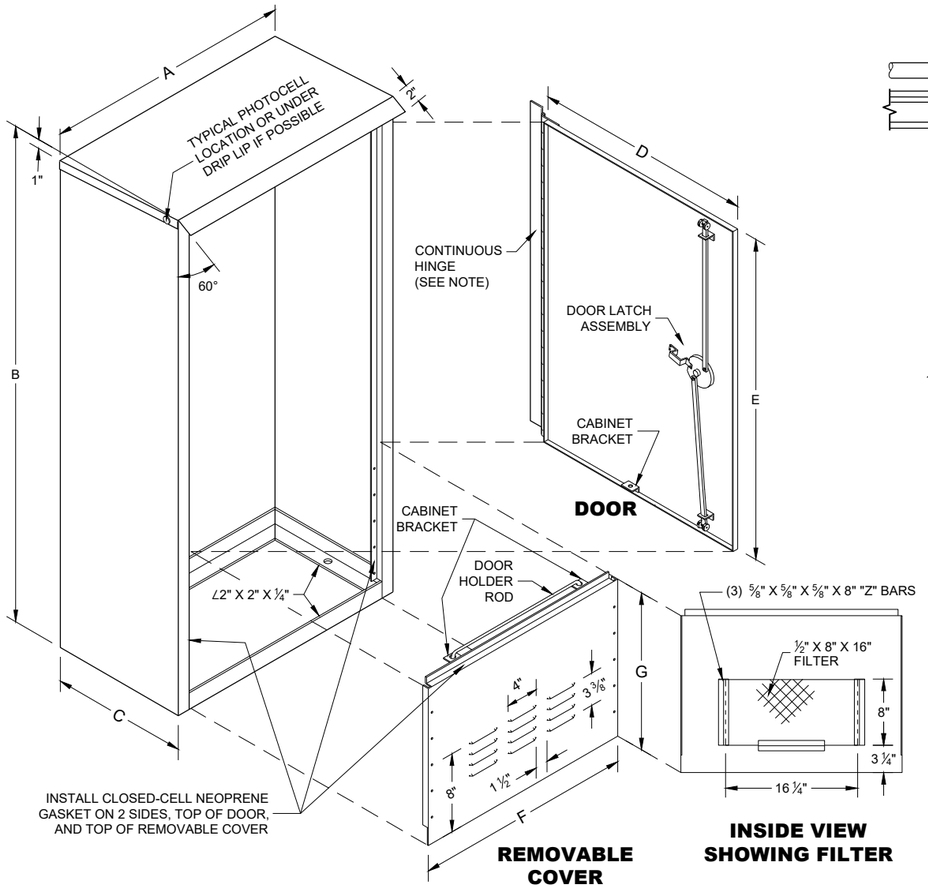
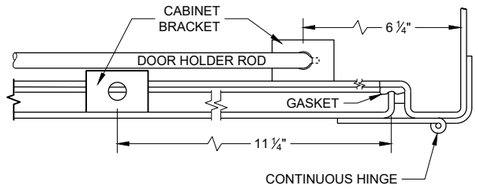
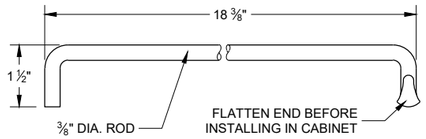
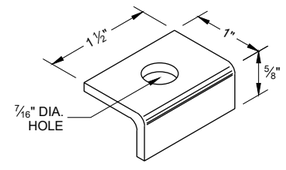




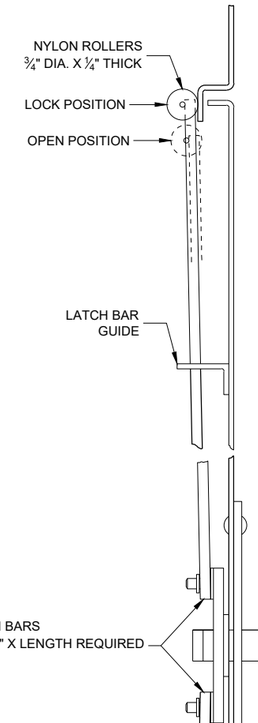
HINGE AND DOOR HOLDER



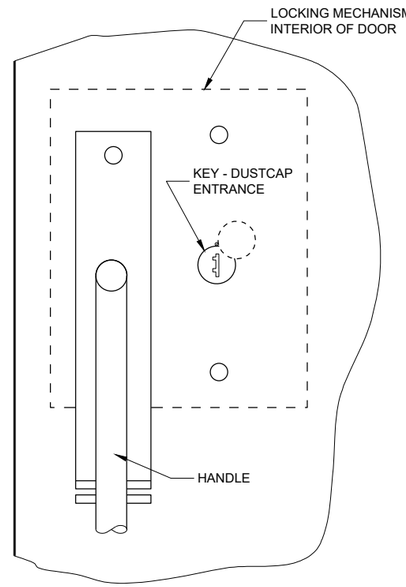
HOLDER ROD



CABINET BRACKET



SIDE VIEW



FRONT VIEW

LATCH ASSEMBLY

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

FINISH EXTERIOR SURFACES WITH RUSTOLEUM #906 SILVER GRAY OR APPROVED EQUAL.

FINISH INTERIOR WITH RUSTOLEUM #2766 HIGH GLOSS WHITE ENAMEL OR APPROVED EQUAL.

ALL SHEET METAL PARTS SHALL BE .125 INCH THICK ALUMINUM.

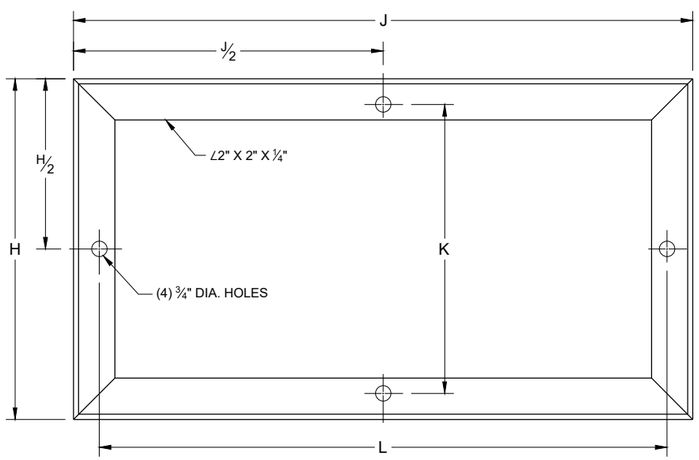
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH ¼" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH ¼" X 20 TPI STAINLESS STEEL CARRIAGE BOLTS AND STAINLESS STEEL NYLOCK NUTS.

A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH - NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST.

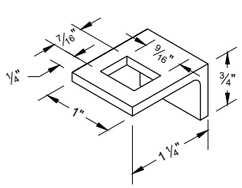
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 ½	16 ½	24
D	26 ½	34 ¾	33 ¾
E	38 ¾	38 ¾	38 ¾
F	26 ½	34 ¾	33 ¾
G	19	19	25
H	16 ½	16 ½	24
H/2	8 ¼	8 ¼	12
J	30	38	38
J/2	15	19	19
K	13 ¾	13 ¾	21 ¼
L	27 ½	35 ½	35 ½



LATCH BAR GUIDE

SIGNAL CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 560

FHWA

SDD 09D02 - 03

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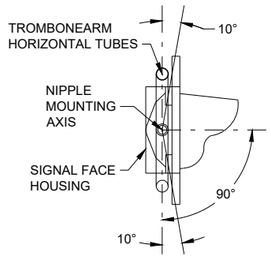
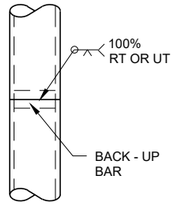


SECTION A-A

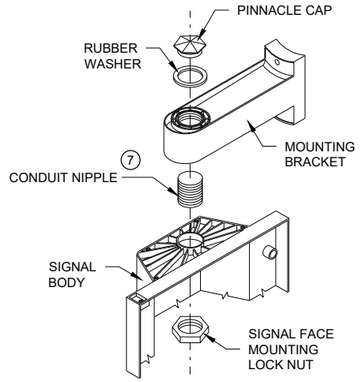
(10 DEGREES TILT REQUIREMENT OF FACE(S) IN THE TROMBONE MOUNTING)

FOR MANUFACTURERS USE ONLY

WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.

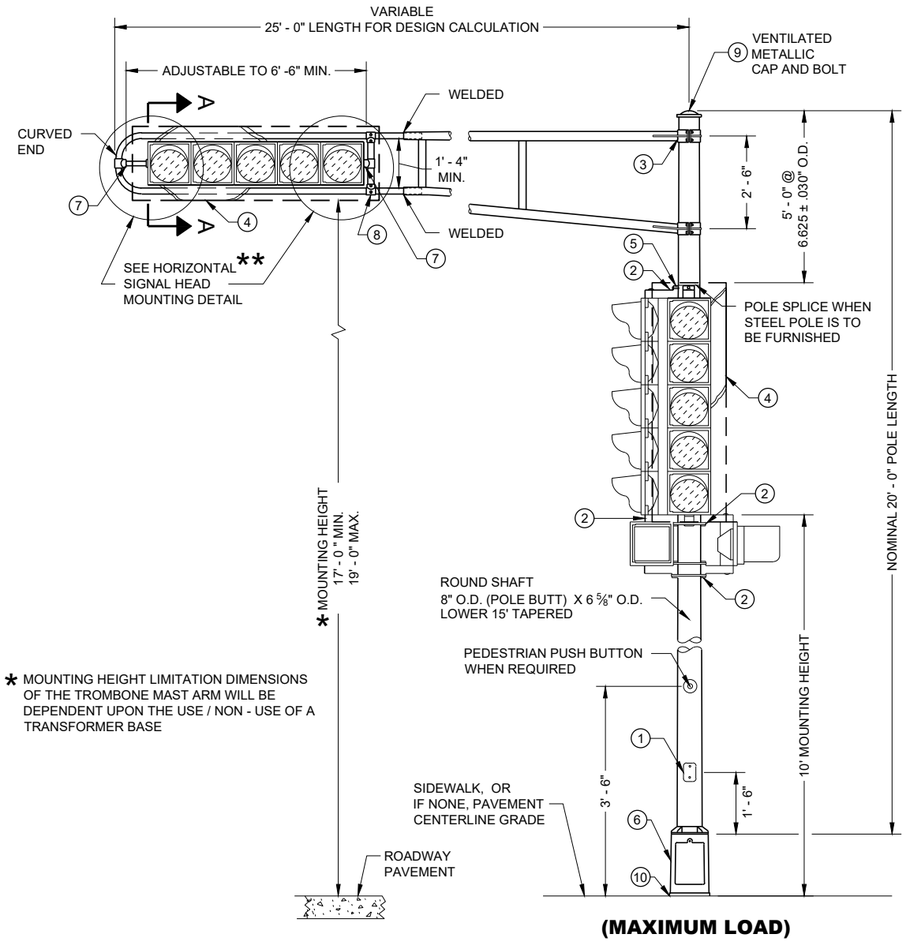


POLE SPLICE DETAIL



SIGNAL FACE MOUNTING DETAIL

(BANDED)



* MOUNTING HEIGHT LIMITATION DIMENSIONS OF THE TROMBONE MAST ARM WILL BE DEPENDENT UPON THE USE / NON - USE OF A TRANSFORMER BASE

(MAXIMUM LOAD)

GENERAL NOTES

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

POLES SHALL BE EITHER ALUMINUM OR GALVANIZED STEEL AS CALLED FOR IN THE CONTRACT.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

TYPE 2 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING,PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) ASREQUIRED, TO PLUMB THE SIGNAL FACES.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

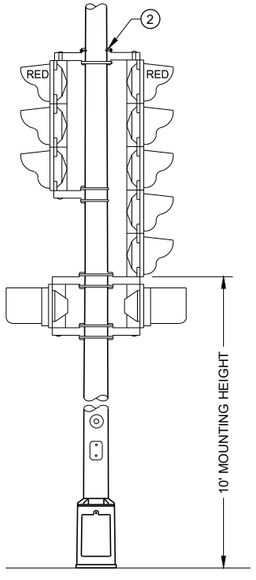
(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOTINTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUTIS THE SLIDING TYPE.

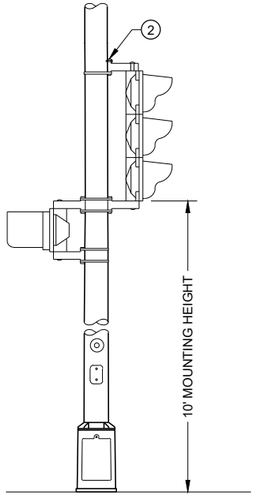
(9) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

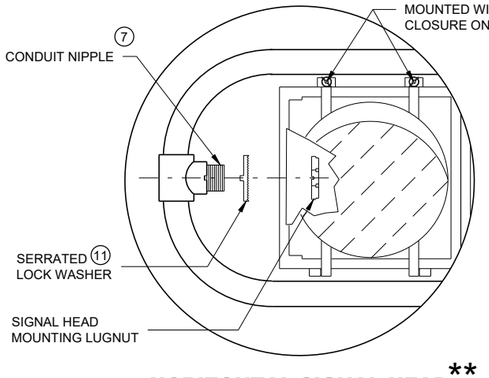
(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD MOUNTING DETAIL **

** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

TYPE 2 POLE MOUNTING CONFIGURATION

POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 561

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SDD 09E01 - 15a

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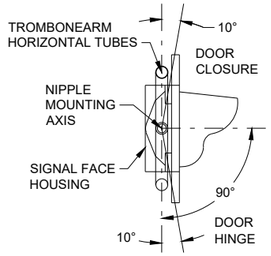
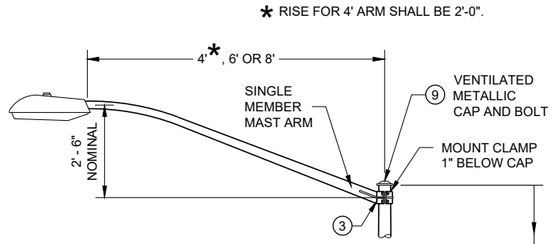
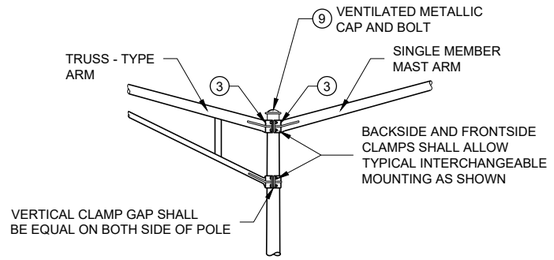
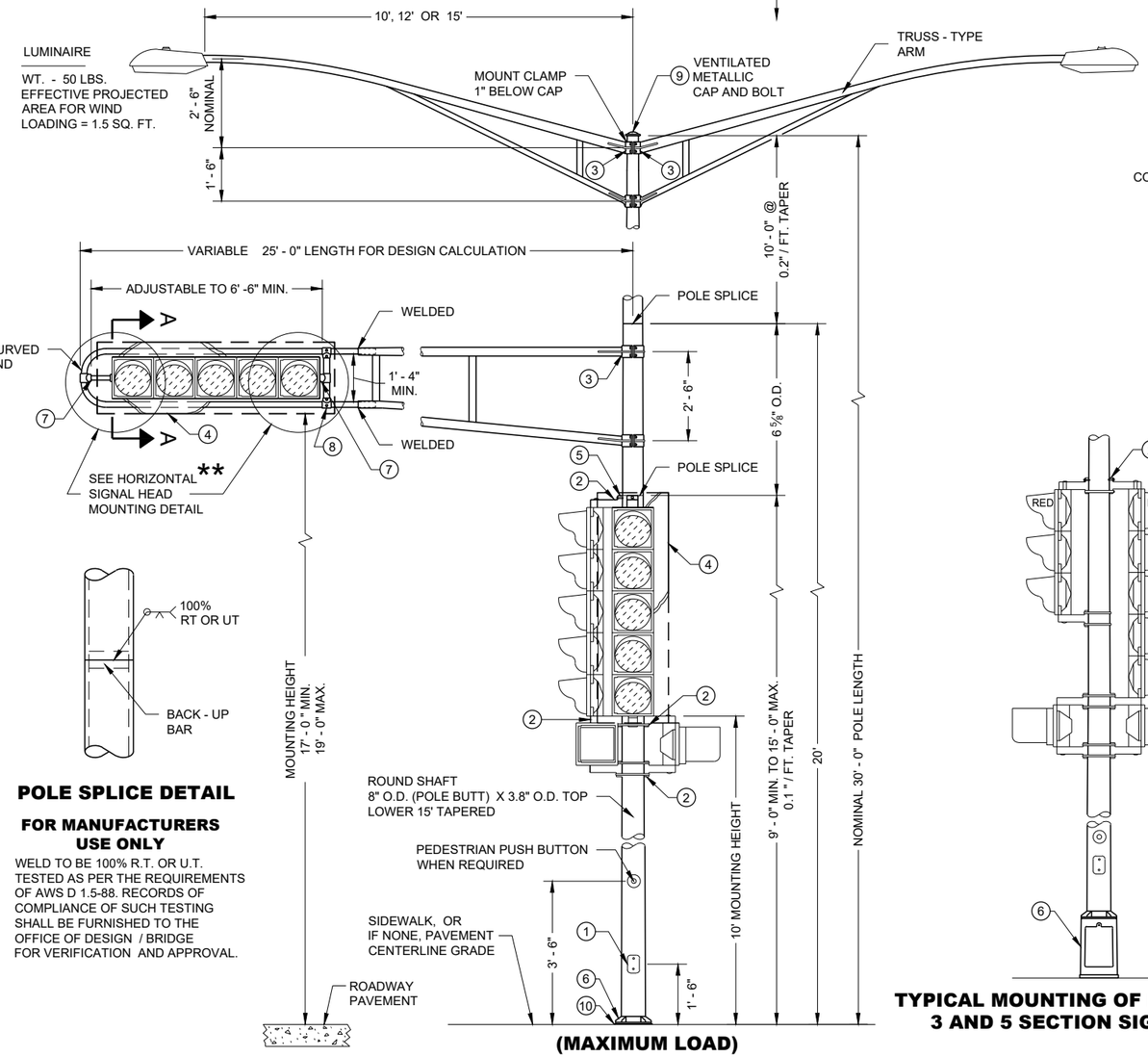


SECTION A-A

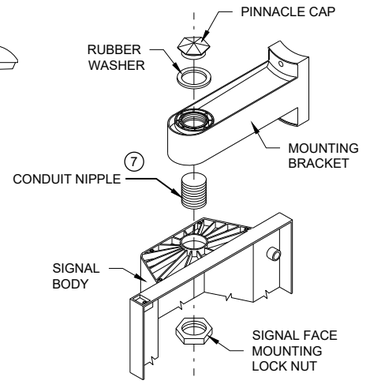




INTERCHANGEABLE MOUNTING DETAIL



(MAXIMUM LOAD)

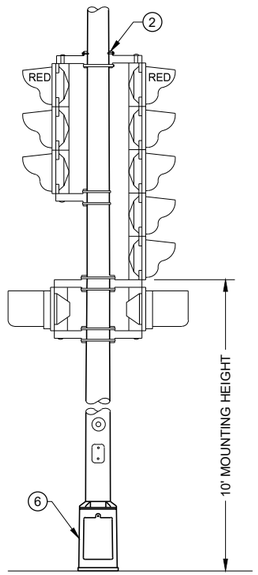


SIGNAL FACE MOUNTING DETAIL
(BANDED)

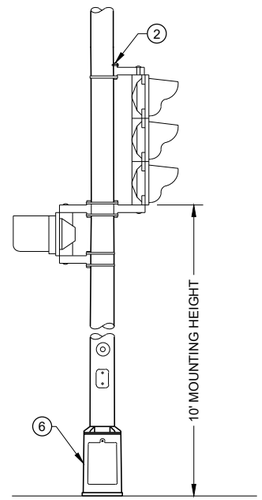
POLE SPLICE DETAIL

FOR MANUFACTURERS USE ONLY

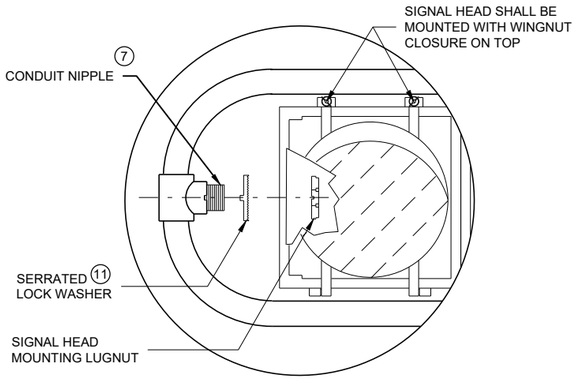
WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD ** MOUNTING DETAIL

** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

GENERAL NOTES

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

ALL TYPE 3 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 3/8 INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 3/8" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED. UNDER MAX LOADING, TYPE 3 POLE SHALL BE MOUNTED DIRECTLY TO ITS CONCRETE BASE.

(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUT IS THE SLIDING TYPE.

(9) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

TYPE 3 POLE MOUNTING CONFIGURATION

POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS TYPE 3 (HEAVY DUTY)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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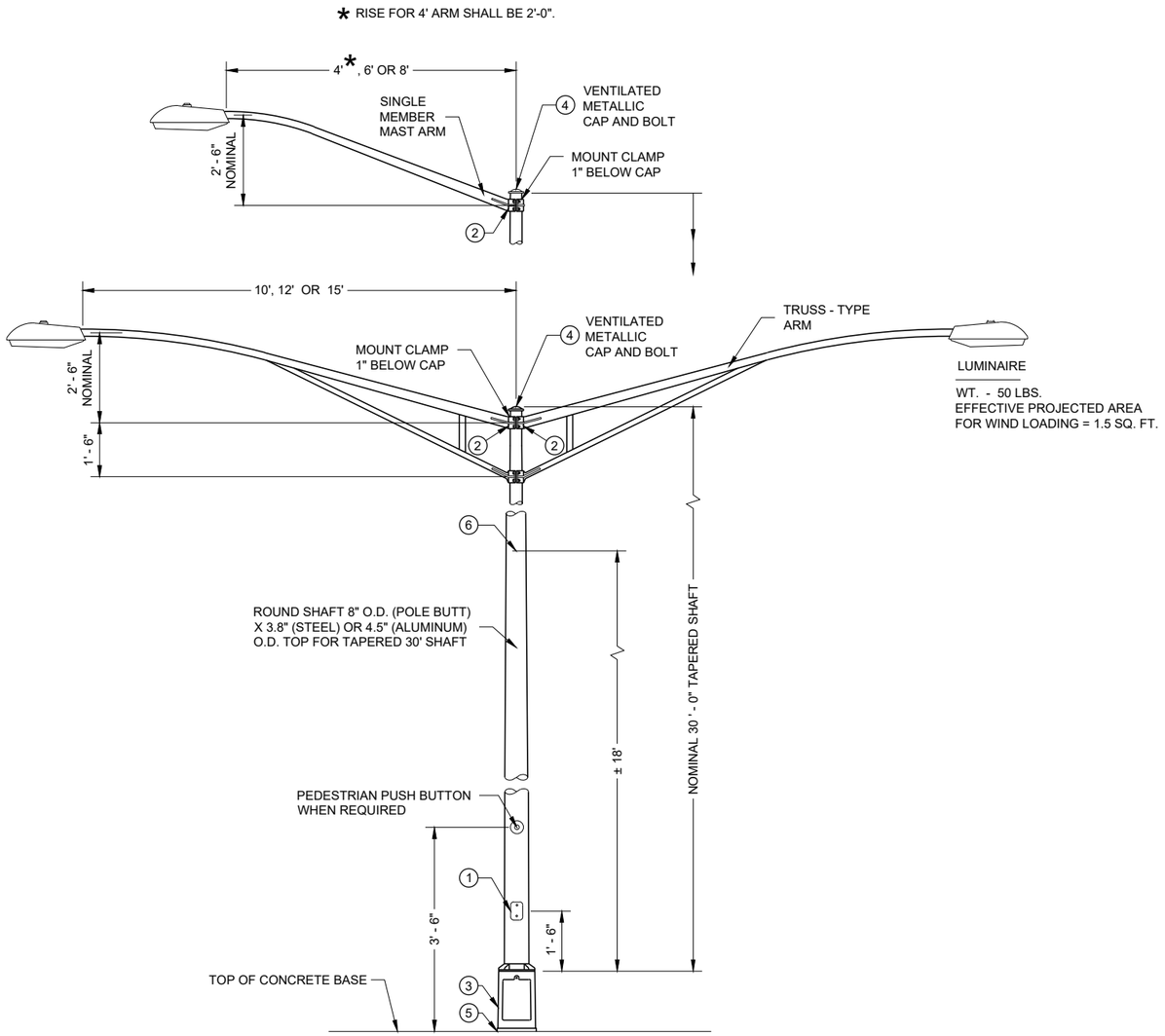
SDD 09E01 - 15b
SDD 09E01 - 15b



TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY

GENERAL NOTES

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

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.1888".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

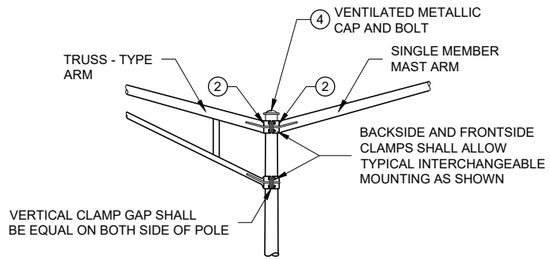
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.



INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

SDD 09E01 - 15d

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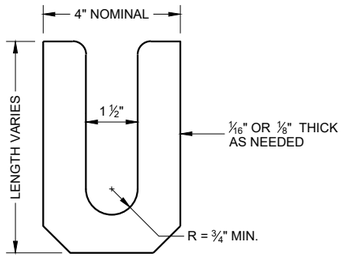
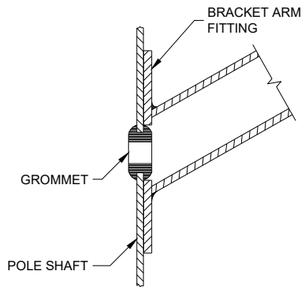
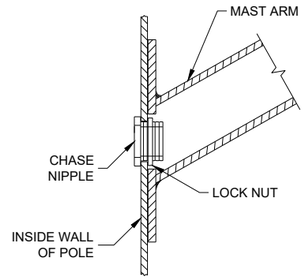


LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

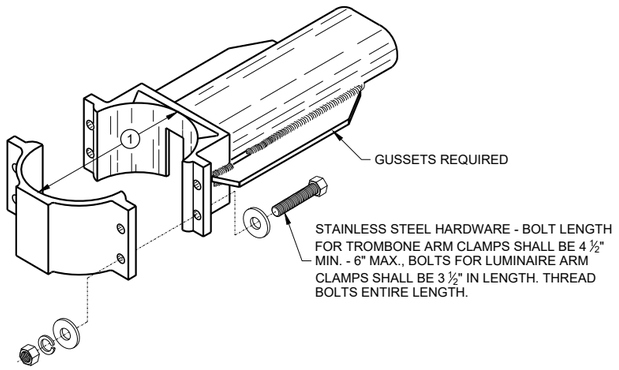
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

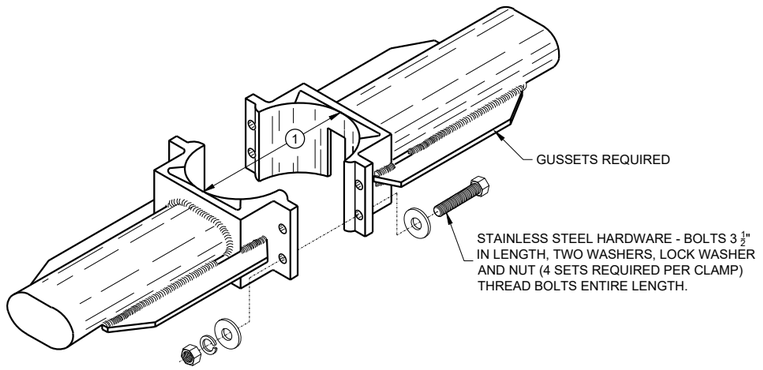
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

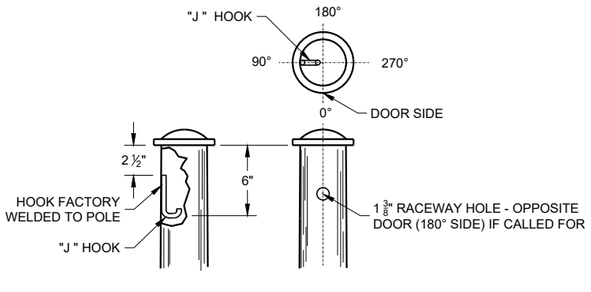
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



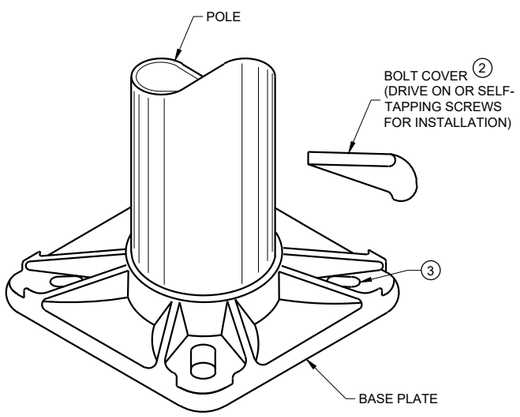
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



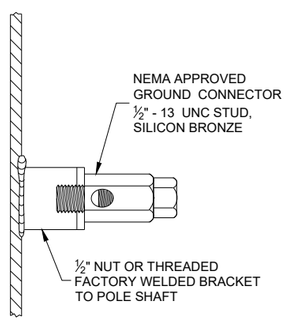
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

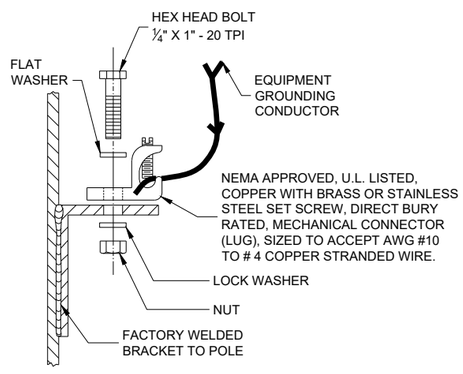


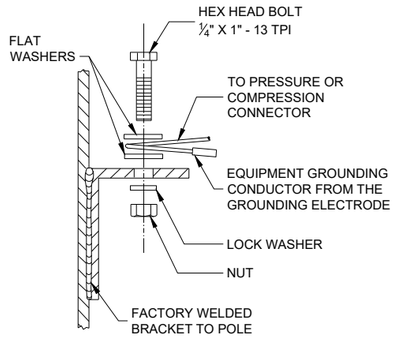
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 564

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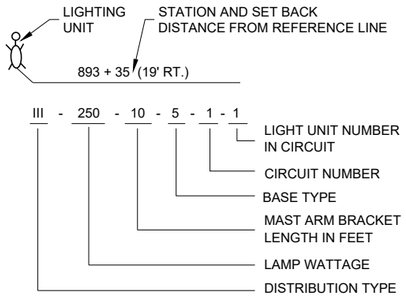
GENERAL NOTES

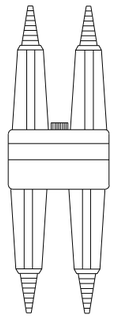
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

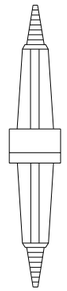
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



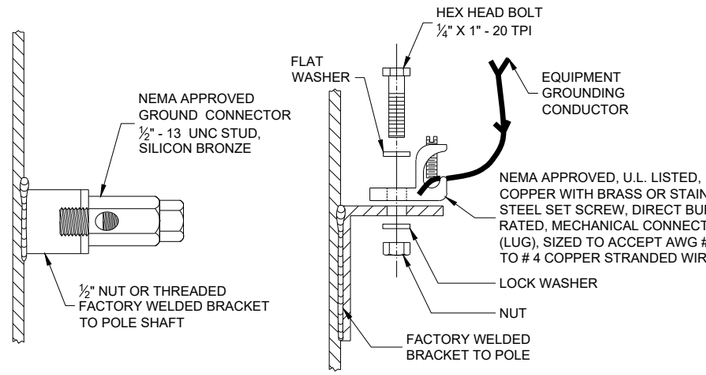
LIGHTING UNIT CODE
(TYPICAL)



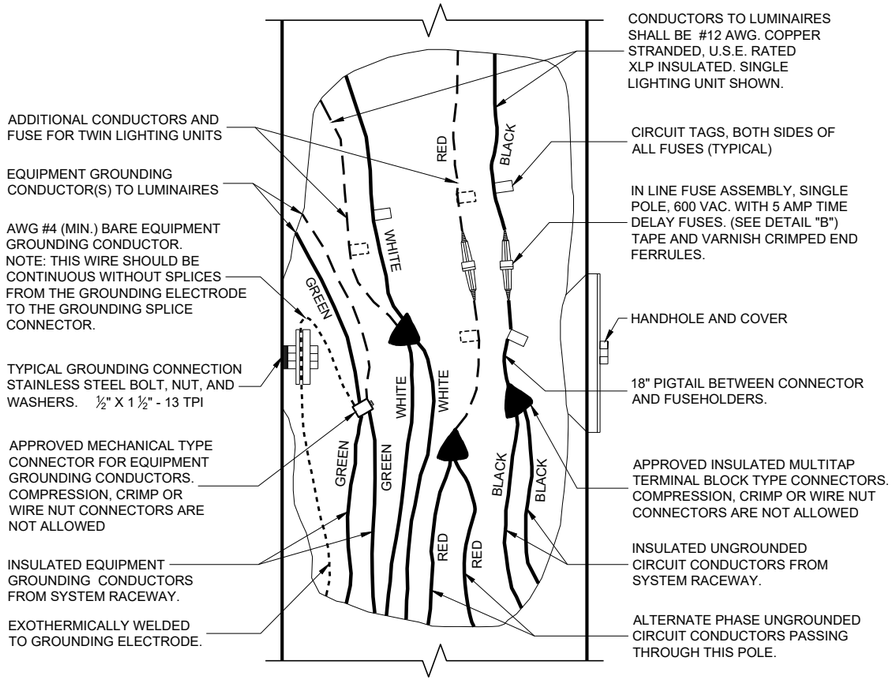
DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



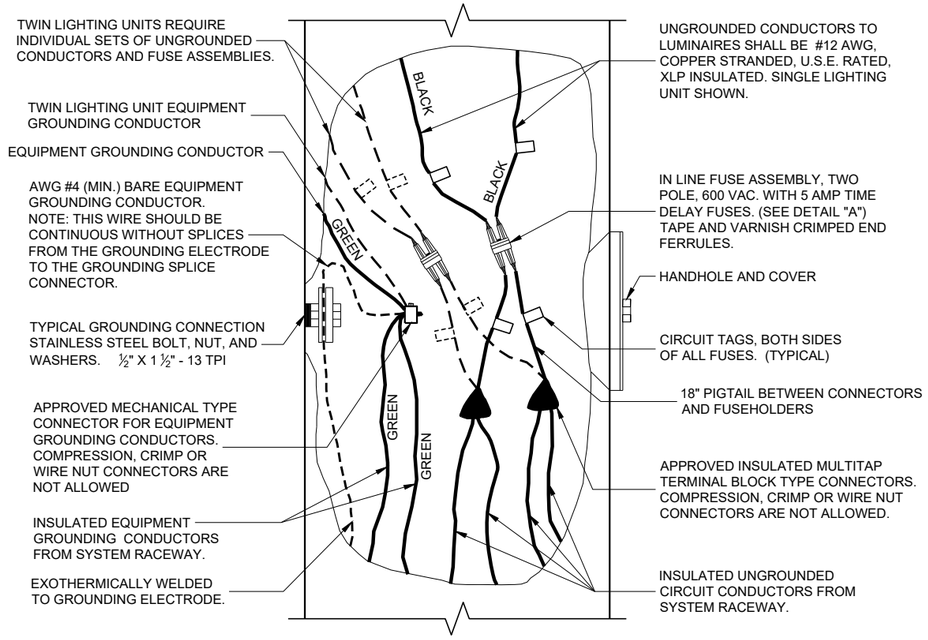
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 565

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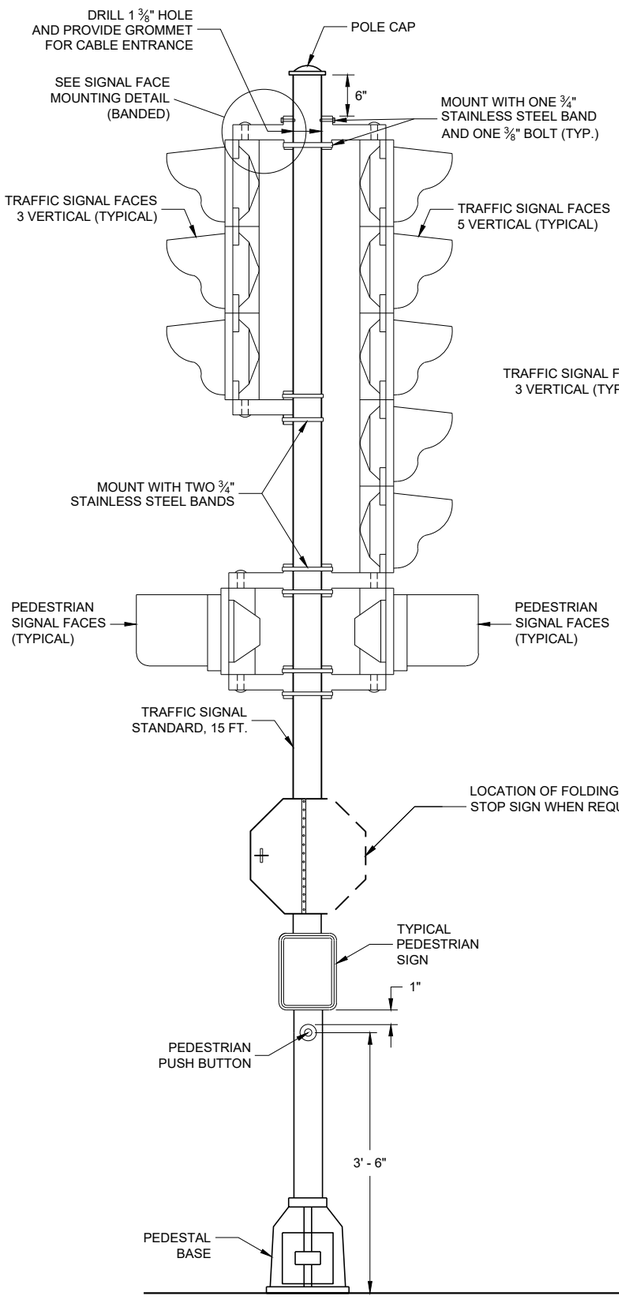
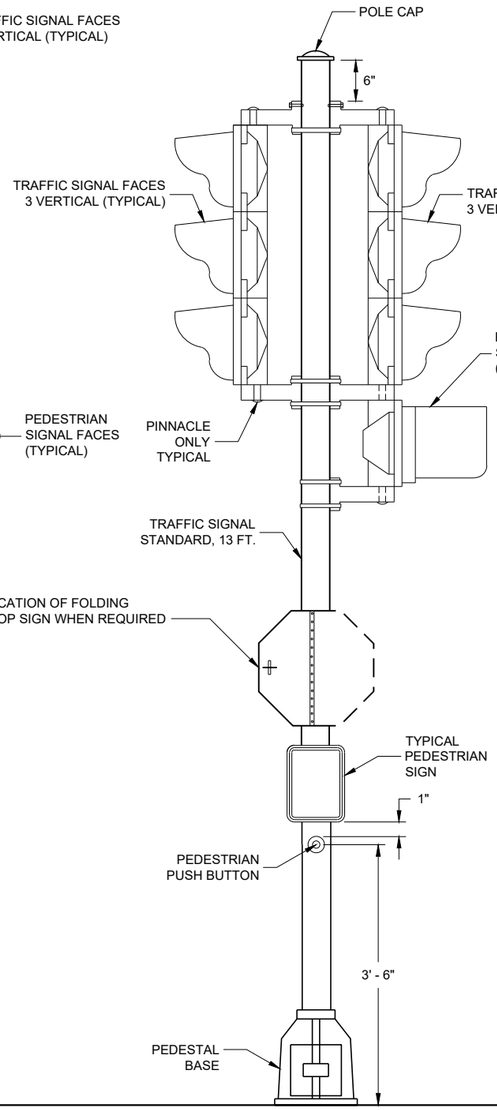
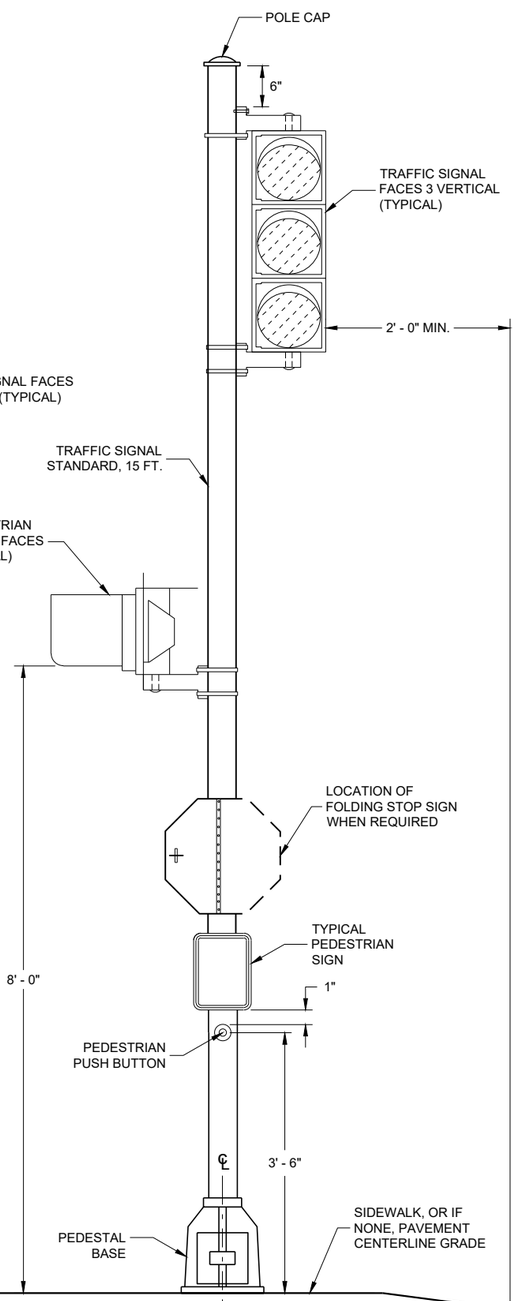


TRAFFIC SIGNAL STANDARD - 15 FT.



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.

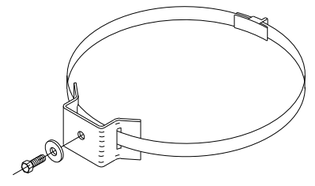
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

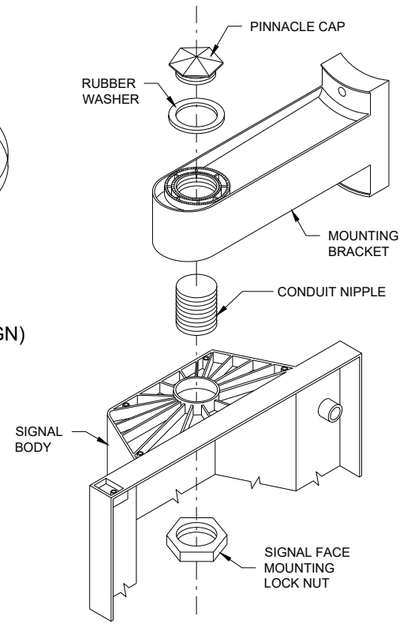
FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

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
DEPARTMENT OF TRANSPORTATION

APPROVED
2/28/2013
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 566

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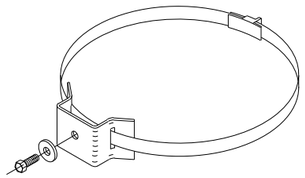
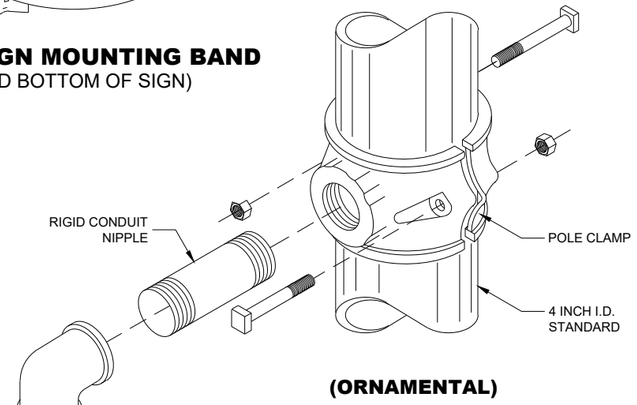
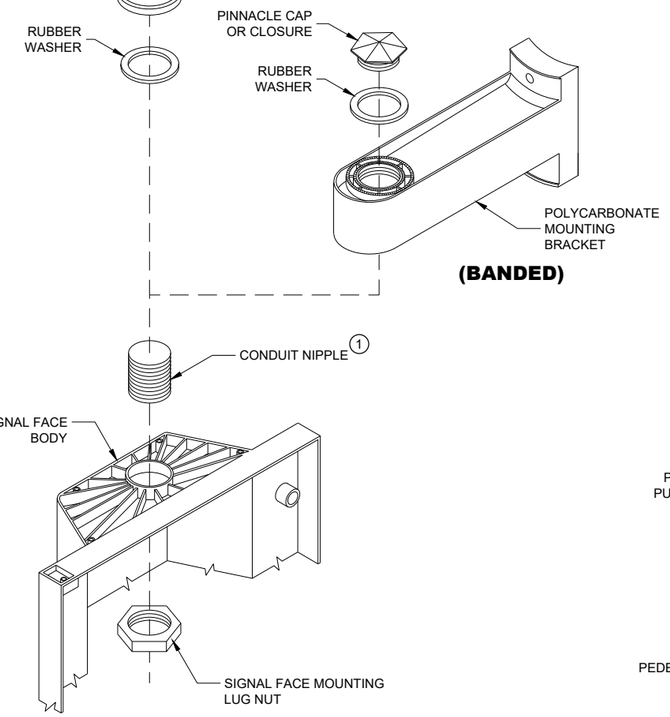
SDD 09E06 - 05



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)

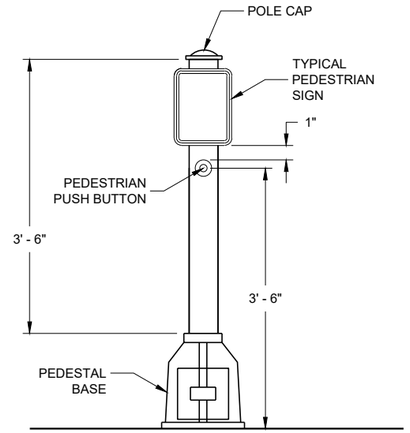


(ORNAMENTAL)



(BANDED)

SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS, UNLESS APPROVED BY THE ENGINEER IN THE FIELD.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

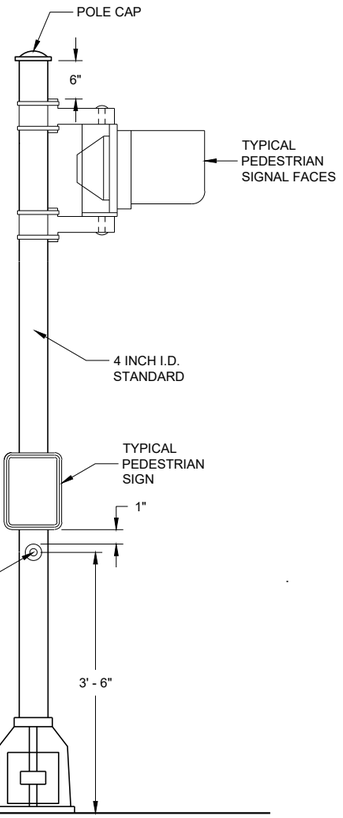
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

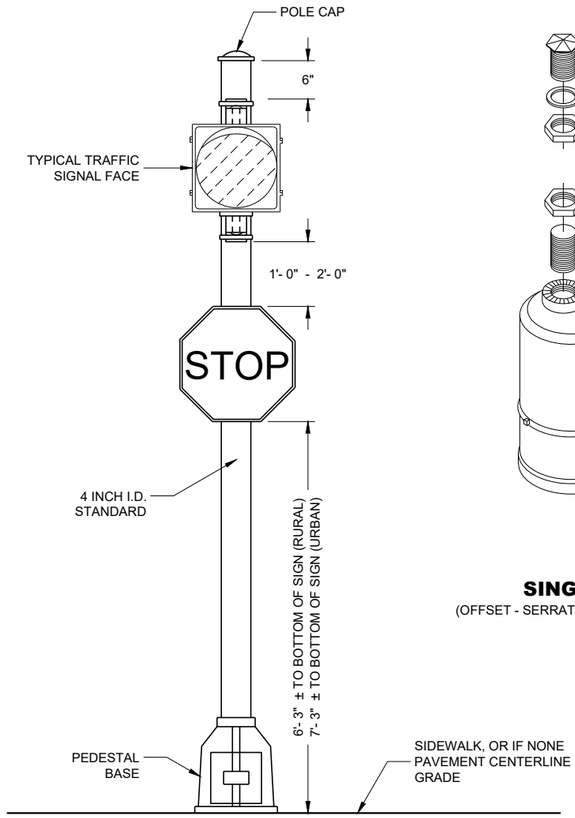
PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

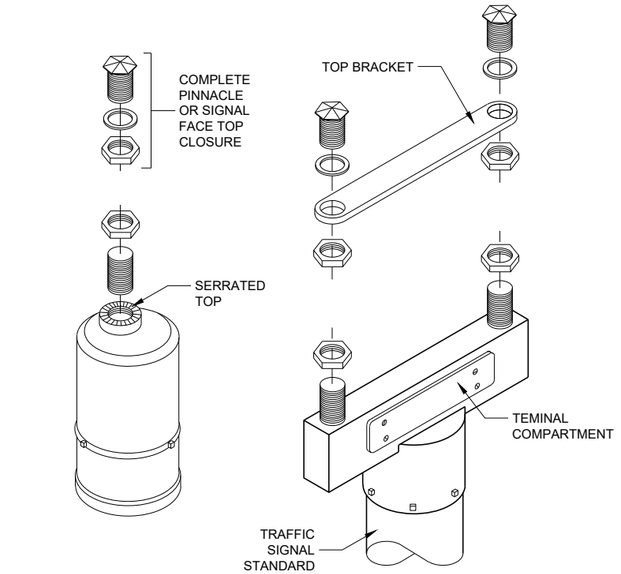
(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACESAND BRACKET ENDS.



PEDESTRIAN FACE STANDARD - 10 FT.
(WALK - DON'T WALK)



STANDARD FLASHER
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED



SINGLE
(OFFSET - SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD
PEDESTRIAN AND FLASHER
TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 567

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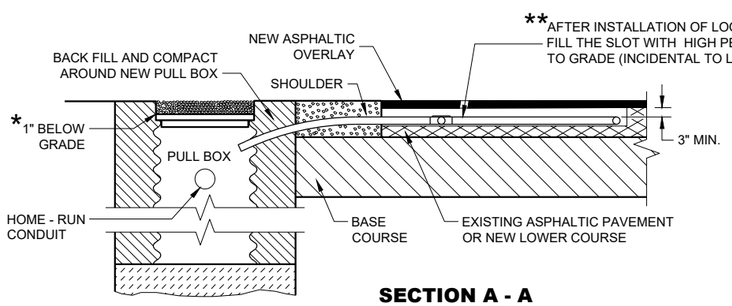
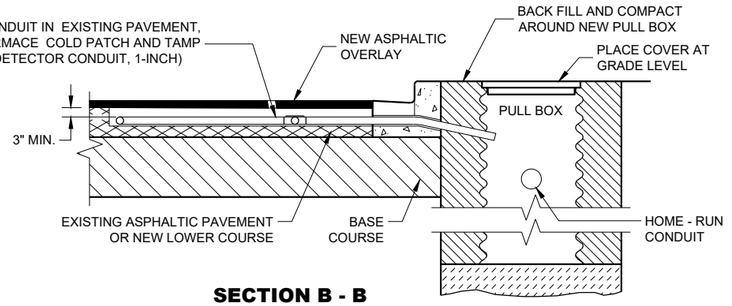


SECTION A - A
NO CURB AND GUTTER

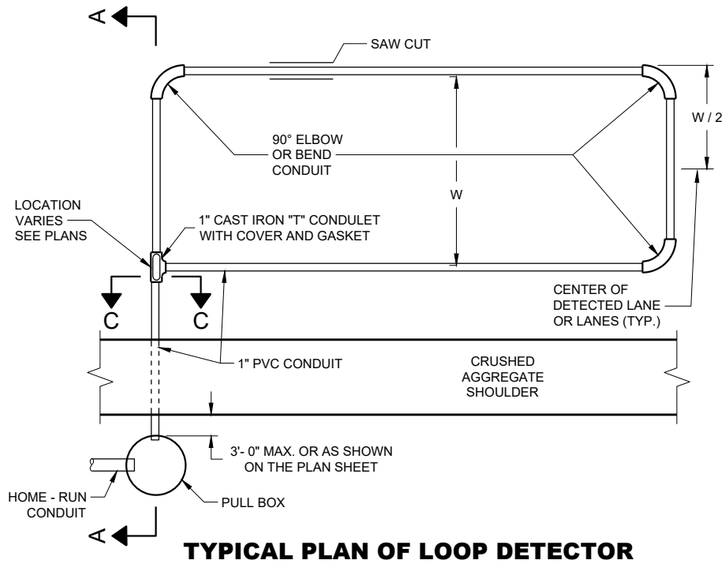
LOOP DETECTOR INSTALLATION DETAIL



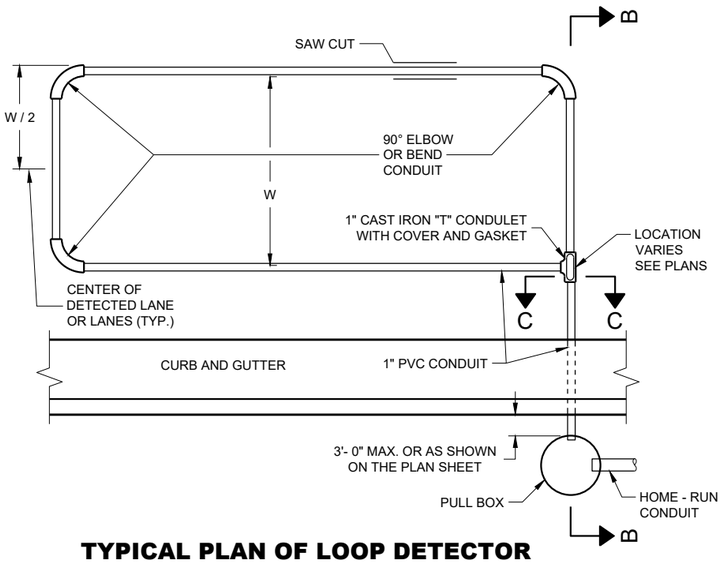
SECTION B - B
CURB AND GUTTER

LOOP DETECTOR INSTALLATION DETAIL

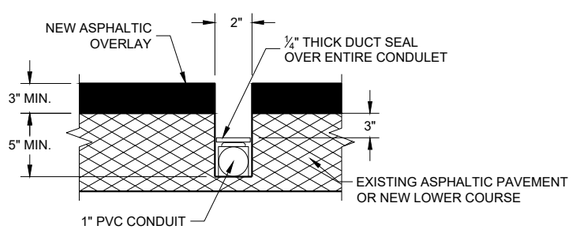
* RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.



TYPICAL PLAN OF LOOP DETECTOR



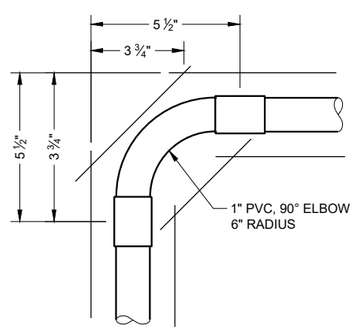
TYPICAL PLAN OF LOOP DETECTOR



SIDE VIEW
SECTION C - C

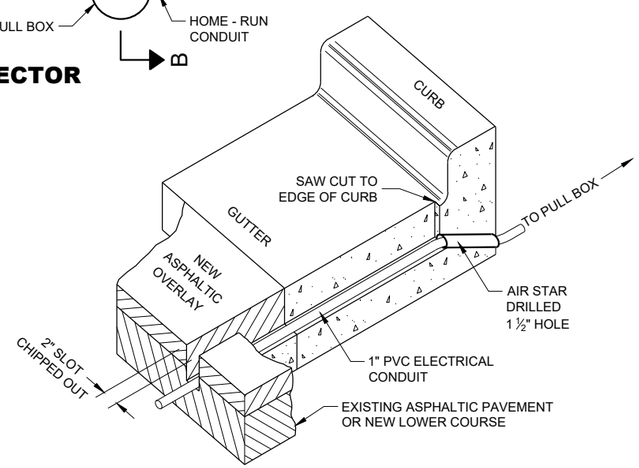
IF PAVEMENT IS LESS THAN 4 INCHES THICK, CONDUIT SHALL BE PLACED IN BASE COURSE.

LOOP DETECTOR SLOT DETAIL



TOP VIEW

CORNER SAW SLOT DETAIL



ISOMETRIC VIEW

TYPICAL SAW CUT DETAIL FOR LEAD-IN CONDUIT

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 CONDUIT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

BEFORE PLACING THE 1 INCH CONDUIT IN THE CLEANED OUT SLOT, PLACE SOME OF THE TAR OR EPOXY SEALANT IN THE SLOT TO A DEPTH OF APPROXIMATELY ½ INCH. IF THE CONDUIT MUST BE PLACED IN THE BASE COURSE, DO NOT PLACE THE TAR OR EPOXY SEALANT IN THE SLOT.

ONCE THE 2" LOOP SLOT HAS BEEN CHIPPED OUT, THE LOOP INSTALLATION SHALL BE COMPLETED PRIOR TO OPENING THE LANE(S) TO TRAFFIC.

** AFTER THE HIGH PERFORMANCE COLD PATCH HAS BEEN TAMPED, SEAL THE SLOT/HIGH PERFORMANCE COLD PATCH/PAVEMENT OPENING 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".

IN THE EVENT HIGH PERFORMANCE COLD PATCH IS NOT AVAILABLE, AND FLEXIBLE TYPE EPOXY IS USED AS A LOOP SLOT FILLER, THE 2 INCH SLOT SHALL BE TOTALLY CLEAN AND DRY BEFORE ITS INSTALLATION. EPOXY USE SHALL BE APPROVED BY THE DISTRICT TRAFFIC ENGINEER AND THE FURNISHED EPOXY SHALL BE INSTALLED AFTER WRITTEN APPROVAL BY THE PROJECT ENGINEER.

LOOP DETECTOR INSTALLED IN EXISTING OR NEW ASPHALTIC PAVEMENT WITH NEW ASPHALTIC OVERLAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 568
FHWA

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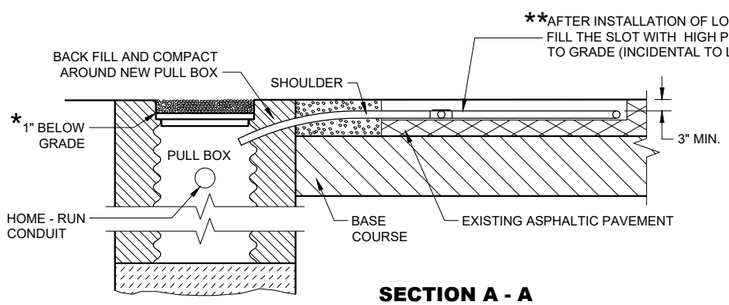
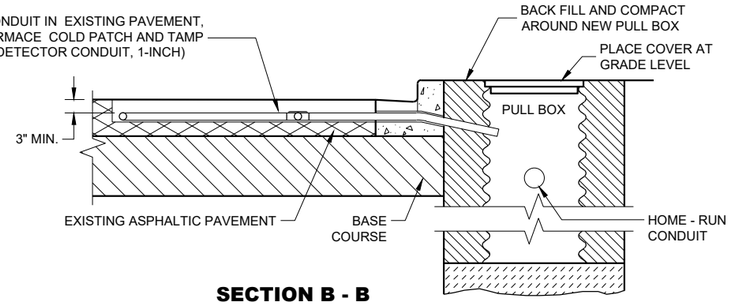
SDD 09F10 - 04



SECTION A - A
NO CURB AND GUTTER

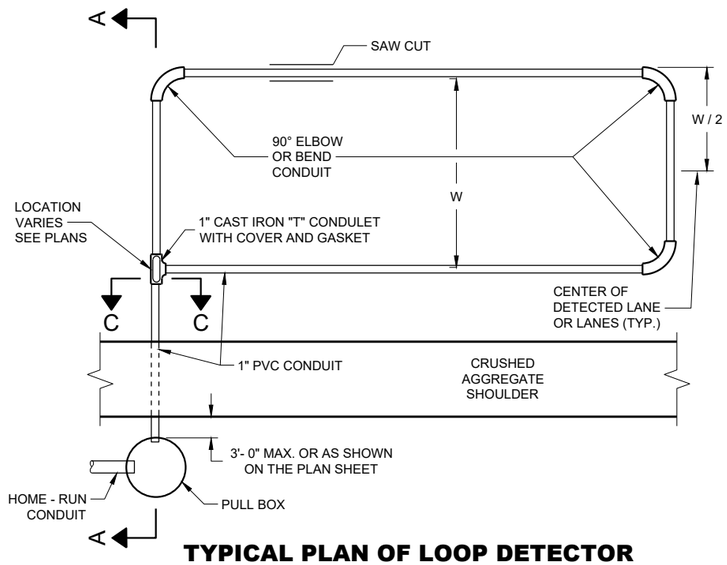


SECTION B - B
CURB AND GUTTER

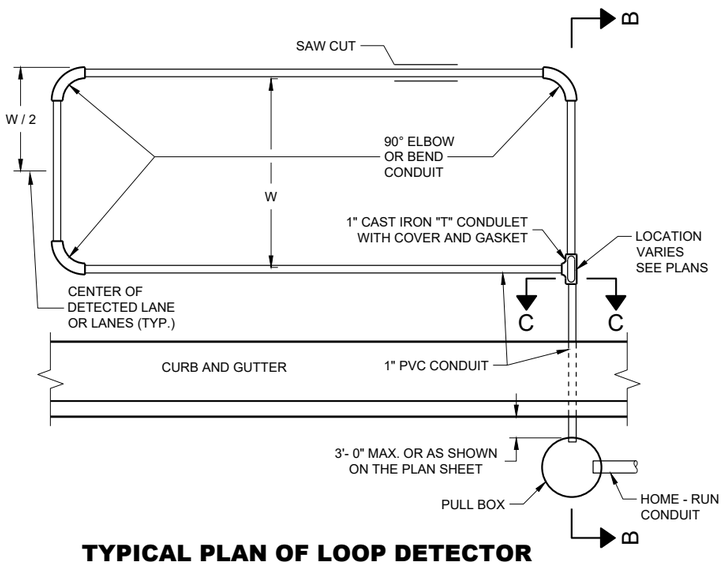
LOOP DETECTOR INSTALLATION DETAIL

LOOP DETECTOR INSTALLATION DETAIL

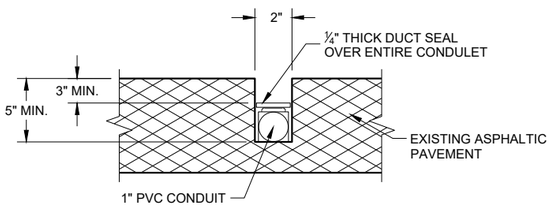
* RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.



TYPICAL PLAN OF LOOP DETECTOR

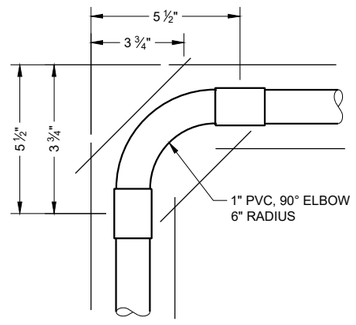


TYPICAL PLAN OF LOOP DETECTOR



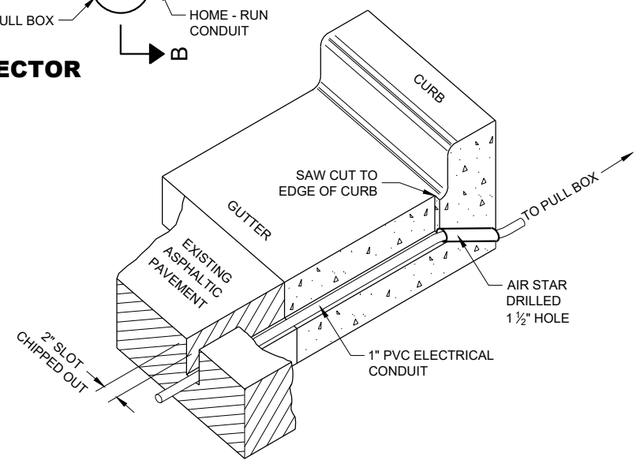
SIDE VIEW
SECTION C - C

LOOP DETECTOR SLOT DETAIL



TOP VIEW

CORNER SAW SLOT DETAIL



ISOMETRIC VIEW

TYPICAL SAW CUT DETAIL FOR LEAD-IN CONDUIT

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.

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IN THE EVENT THAT THE EXISTING PAVEMENT IS MORE THAT 5 INCHES THICK, THE 1 INCH CONDUIT DOES NOT REQUIRE INSTALLATION BELOW THE PAVEMENT INTO THE BASE COURSE. PLACE SOME OF THE TAR OR EPOXY SEALANT IN THE SLOT TO A DEPTH OF APPROXIMATELY ½ INCH BEFORE INSTALLATION OF THE CONDUIT. IF THE CONDUIT MUST BE PLACED IN THE BASE COURSE, DO NOT PLACE THE TAR OR EPOXY SEALANT IN THE SLOT.

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LOOP DETECTOR INSTALLED IN EXISTING ASPHALTIC PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 569
FHWA

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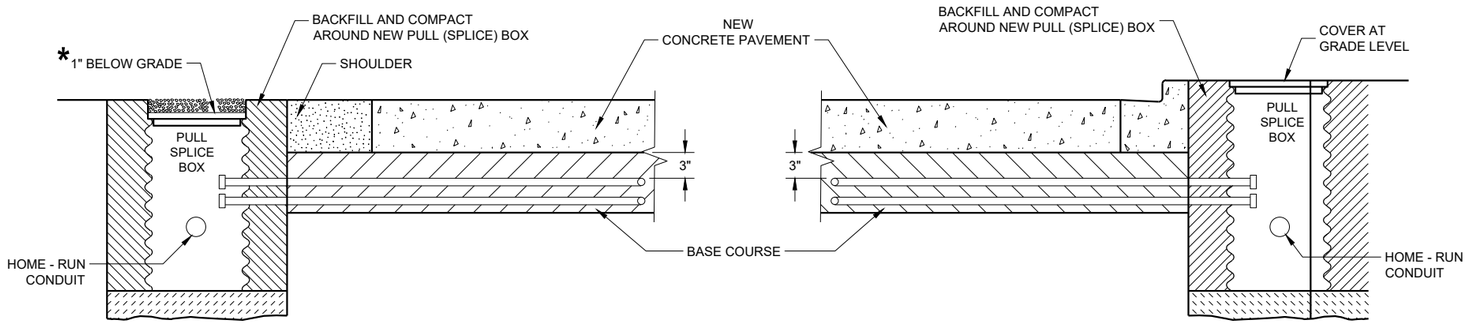
SDD 09F13 - 04



SECTION A - A
NO CURB AND GUTTER

SECTION B - B
CURB AND GUTTER

* RECESS PULL (SPLICE) 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.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

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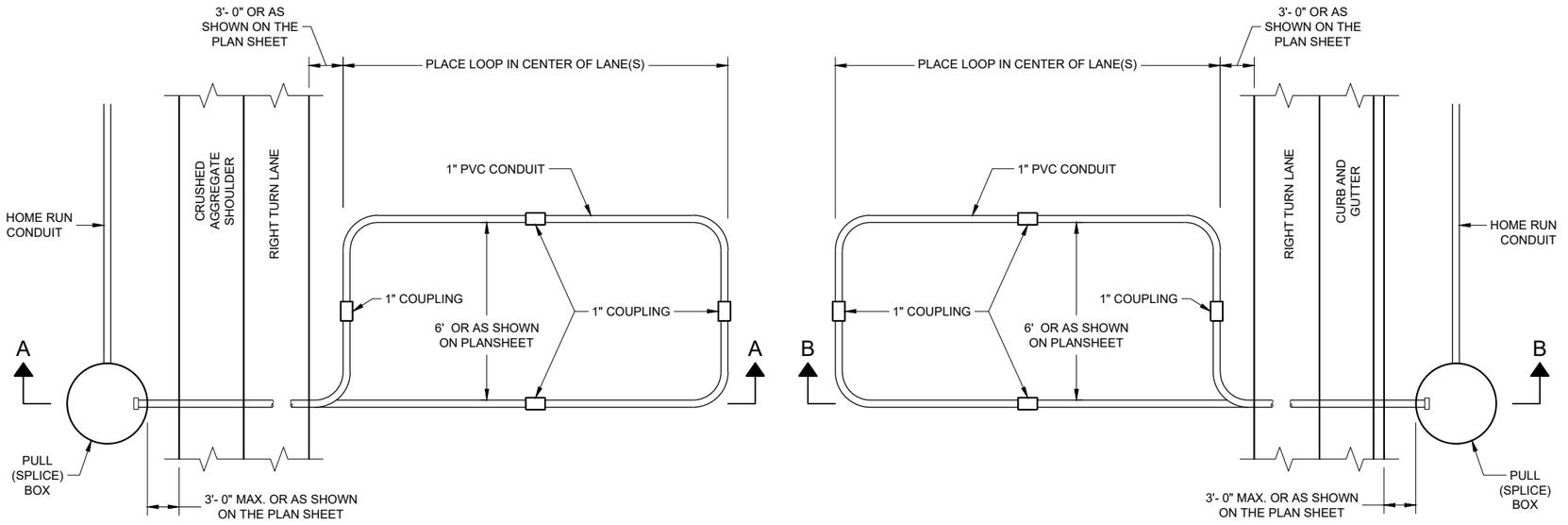
THE #12 AWG LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

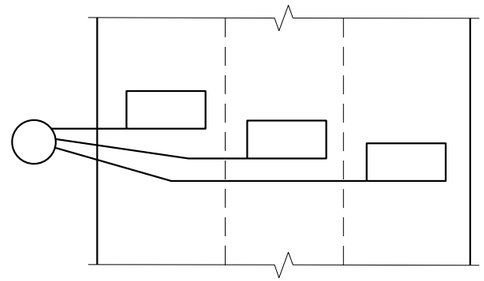
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN LOOP DETECTOR
WITH 24" PULL (SPLICE) BOX



MULTI-LANE
INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 570
FHWA

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SDD 09F15 - 04b

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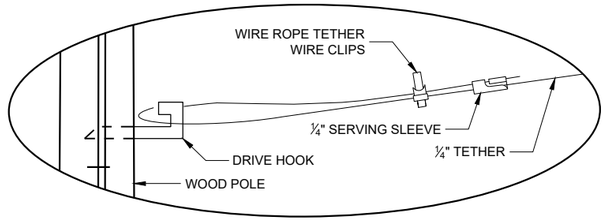
SDD 09F15 - 04b

MINIMUM POLE LENGTHS	POLE BURIAL DEPTHS
25'	5'
30'	6'
35'	7'
40'	8'
45'	9'

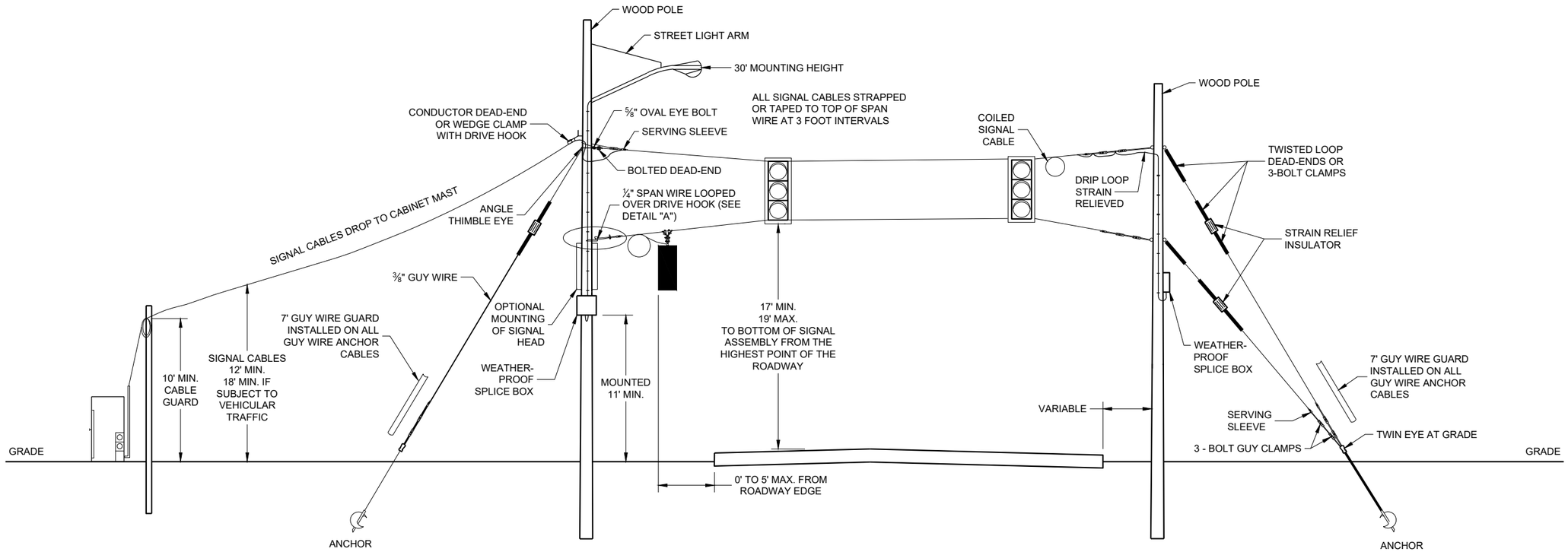


DETAIL "A"

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 571

FHWA

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SDD09G01 - 04a

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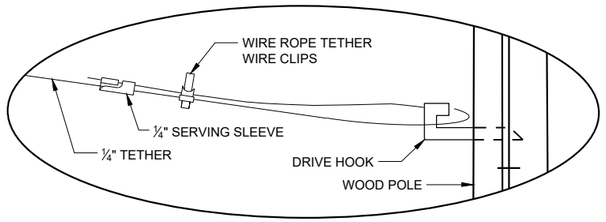
MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'



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   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
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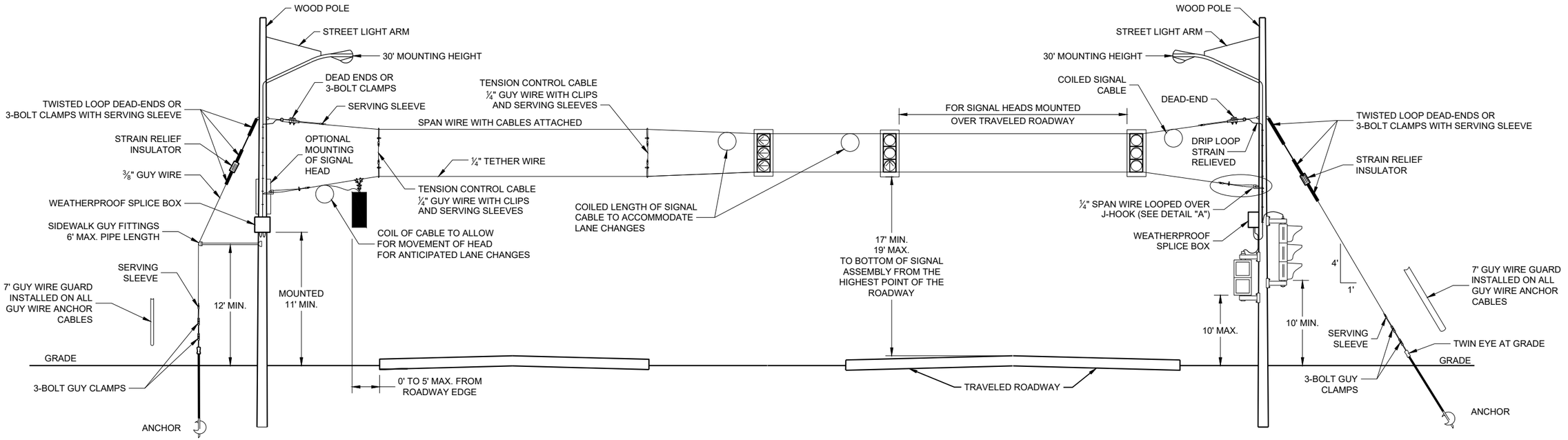

SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI
572
FHWA

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SDD09G01 - 04b

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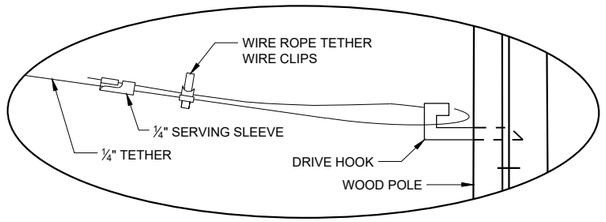
MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'



DETAIL "A"

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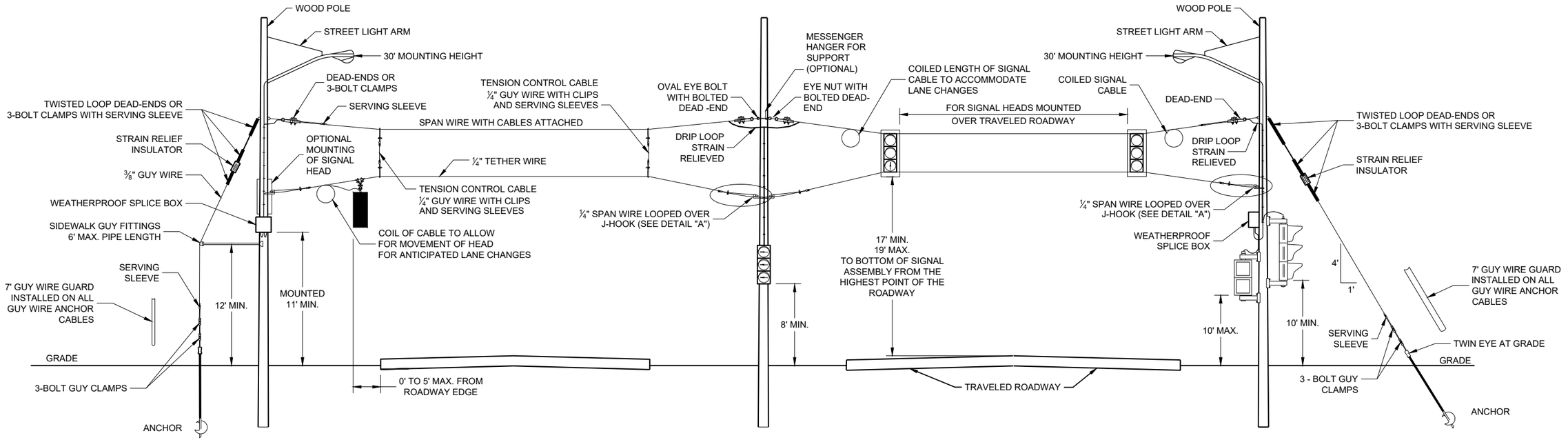

SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 573

FHWA

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SDD09G01 - 04c

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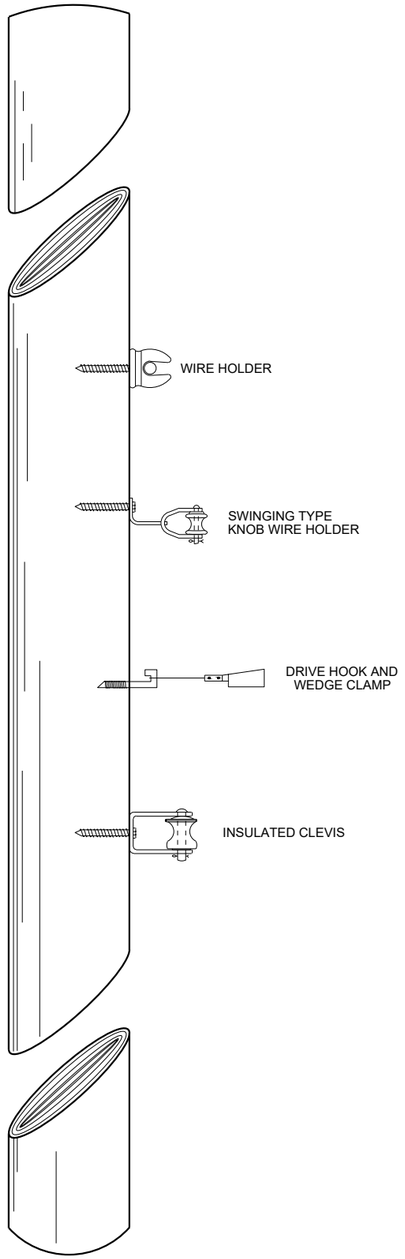

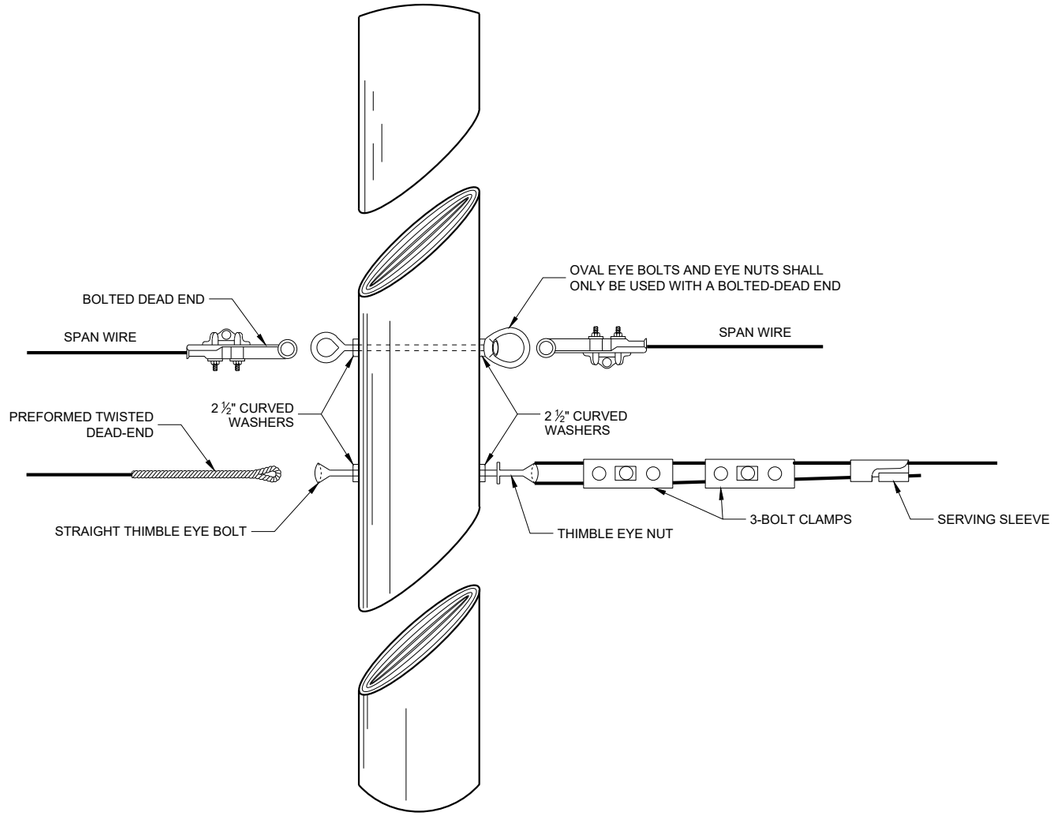

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SDD 09G01 - 4d

SDD 09G01 - 4d

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

574

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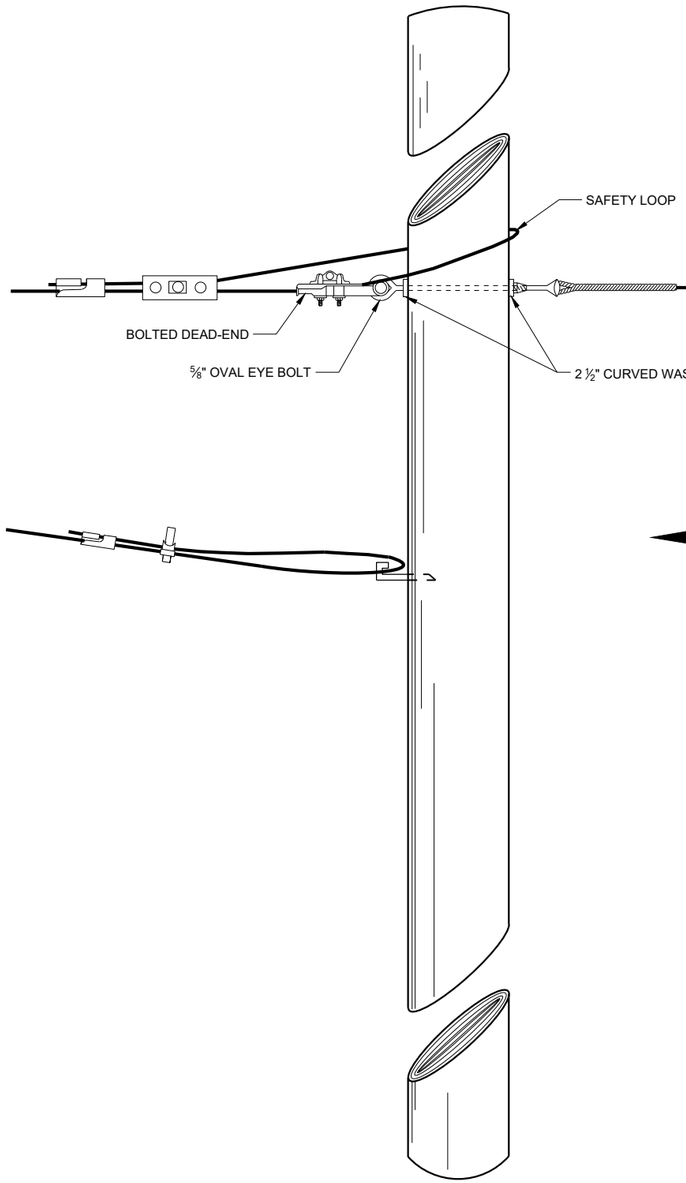
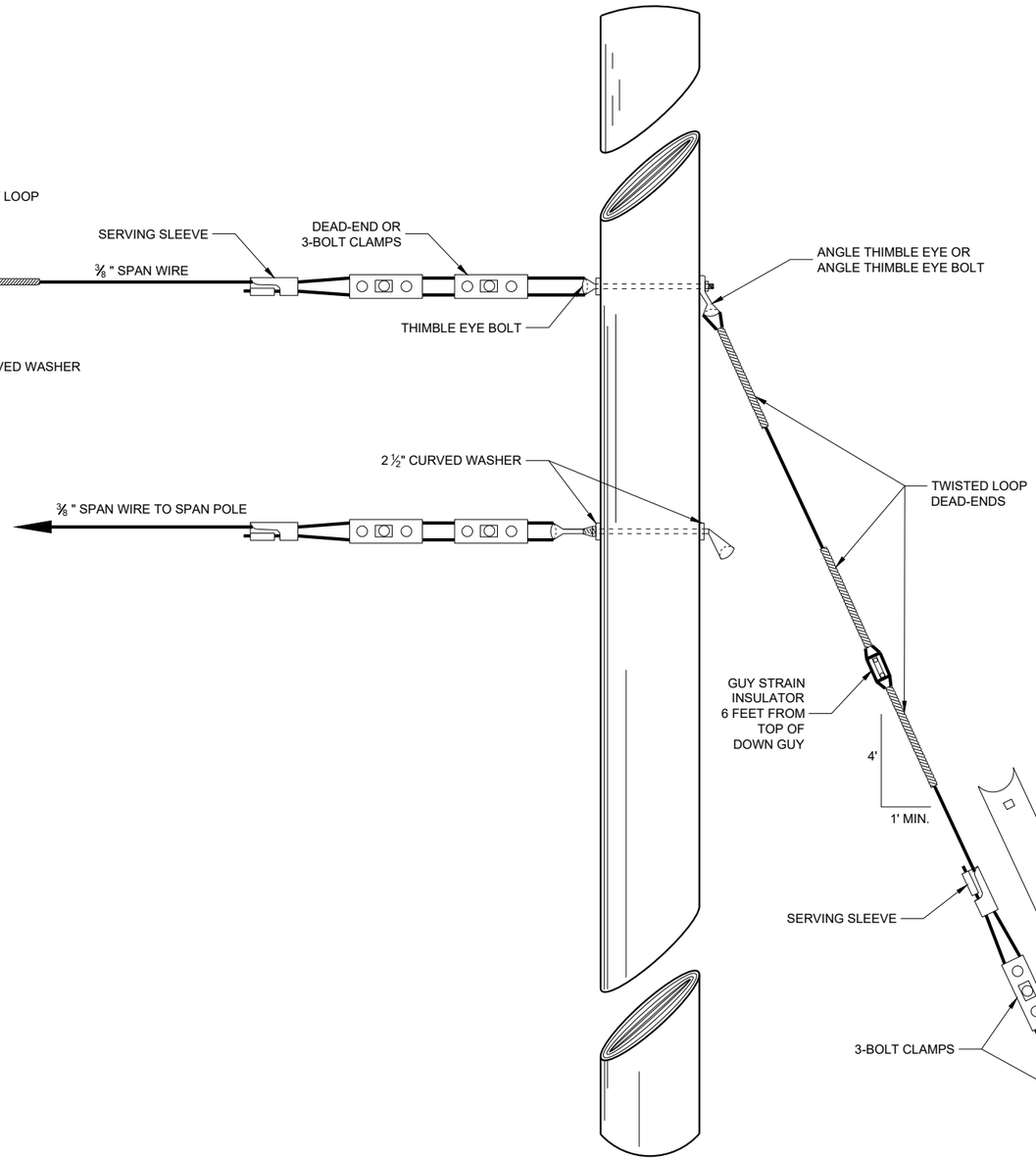
GENERAL NOTES

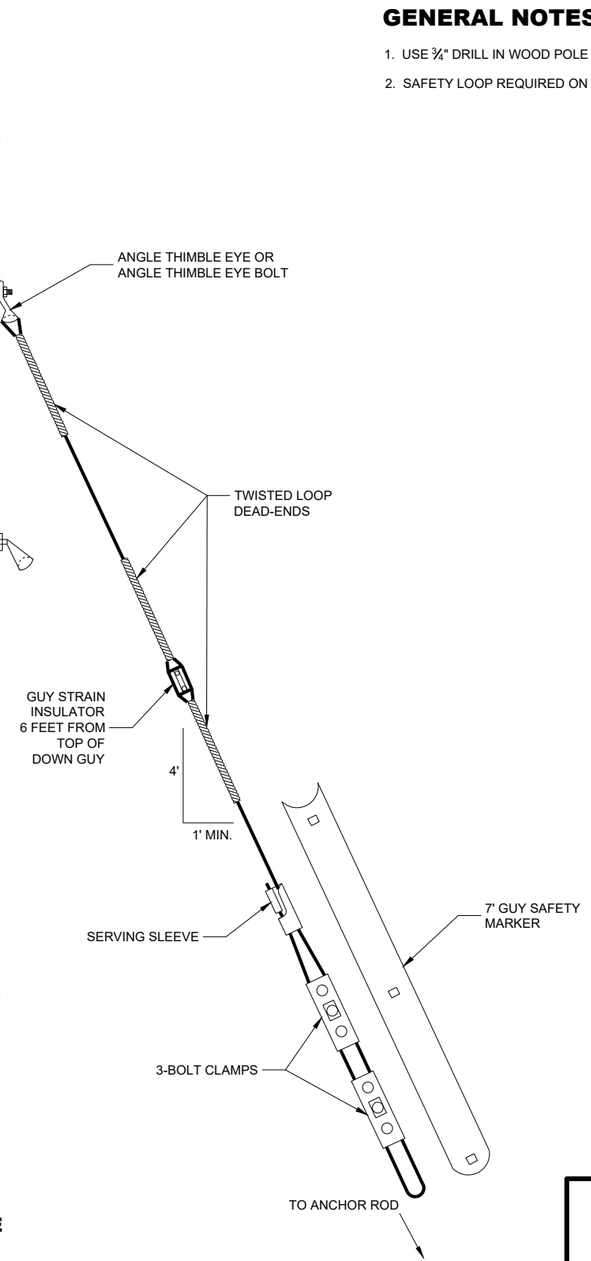
1. USE ¾" DRILL IN WOOD POLE TO PROVIDE FOR ⅝" BOLTS.
2. SAFETY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE



GUY POLE



TYPICAL DEAD-ENDINGS OR GUYING

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

FHWA

575

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SDD 09G01 - 4e

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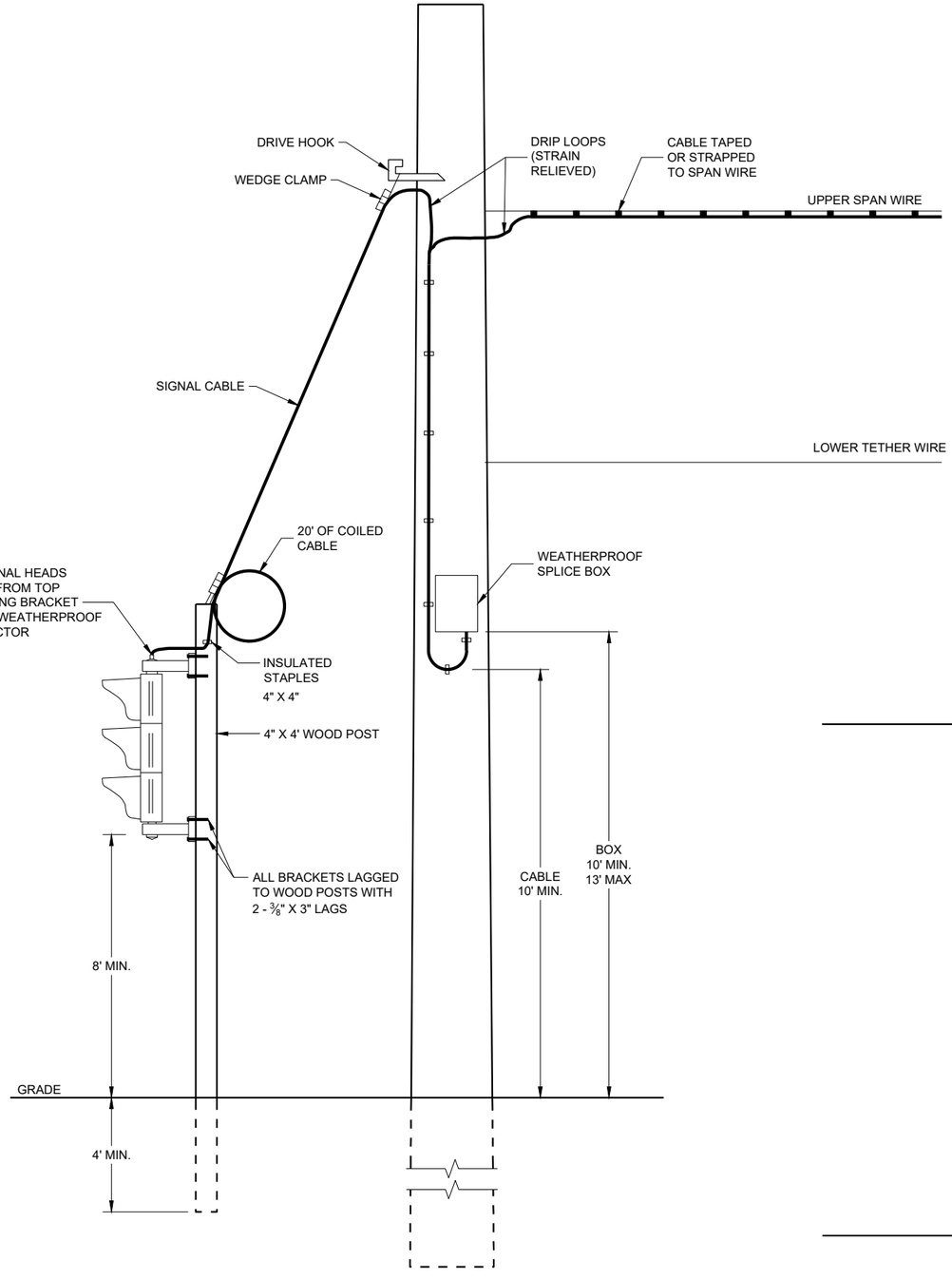
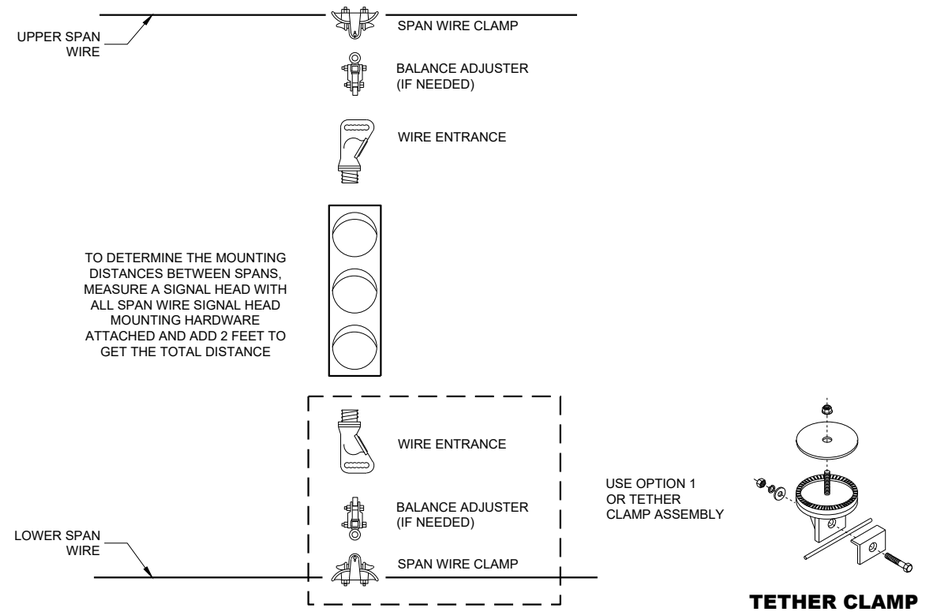


TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL

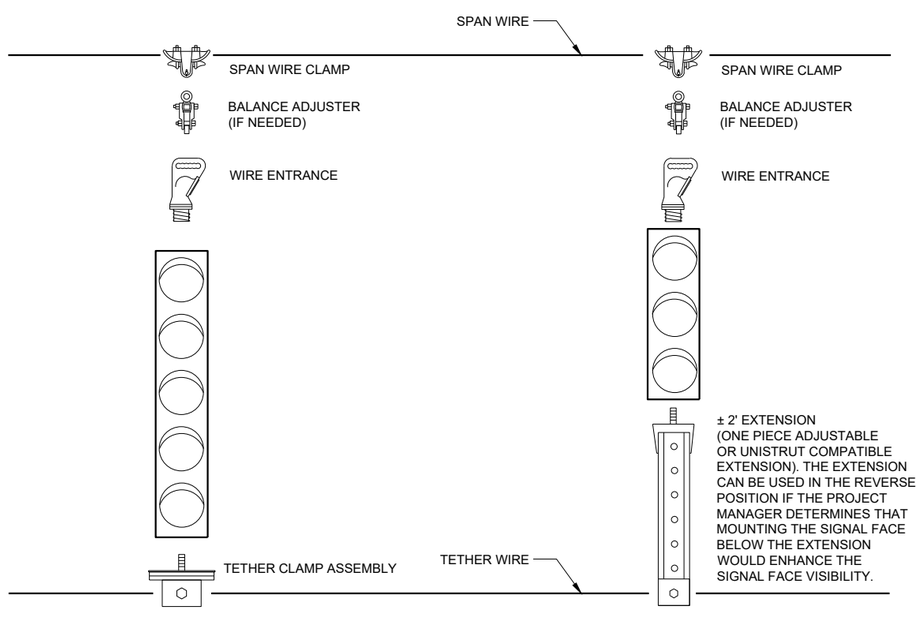


OPTION 1

USE OPTION 1 OR TETHER CLAMP ASSEMBLY

TETHER CLAMP ASSEMBLY OPTION

TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

FHWA

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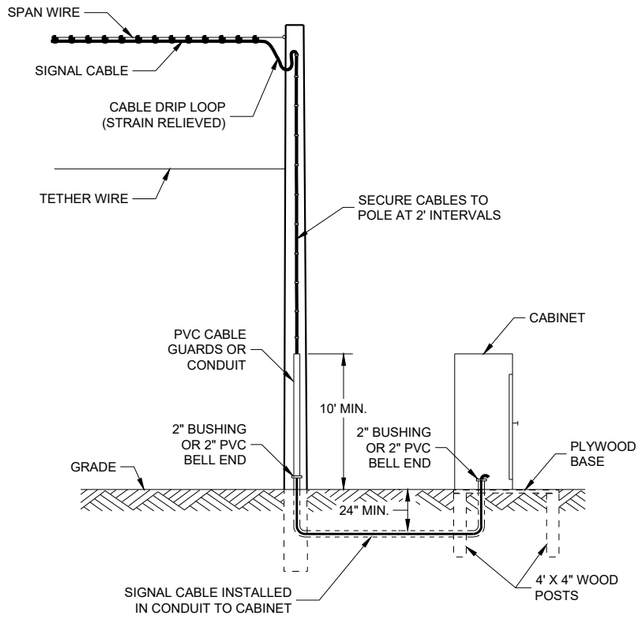
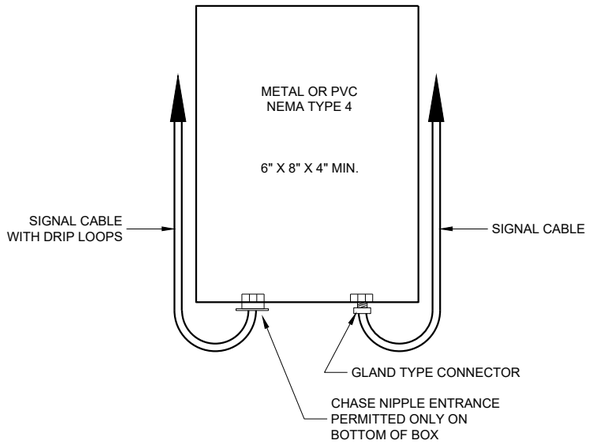
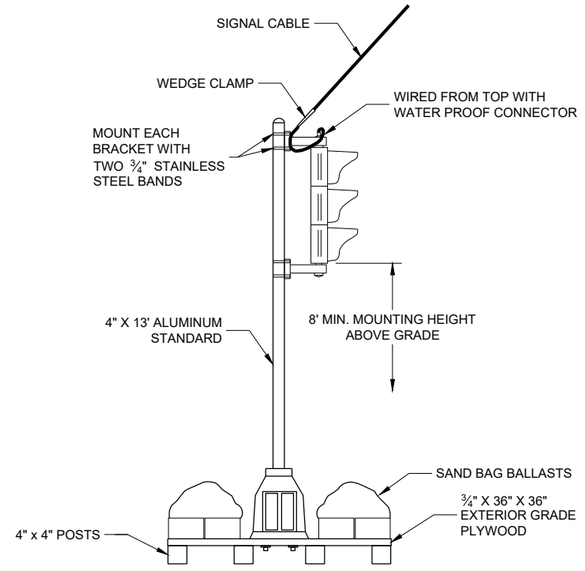
SDD 09G01 - 4f

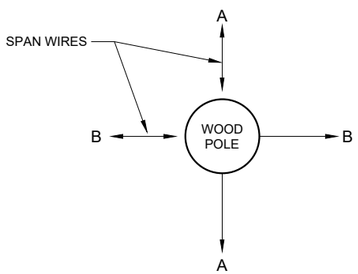




SPLICE BOX

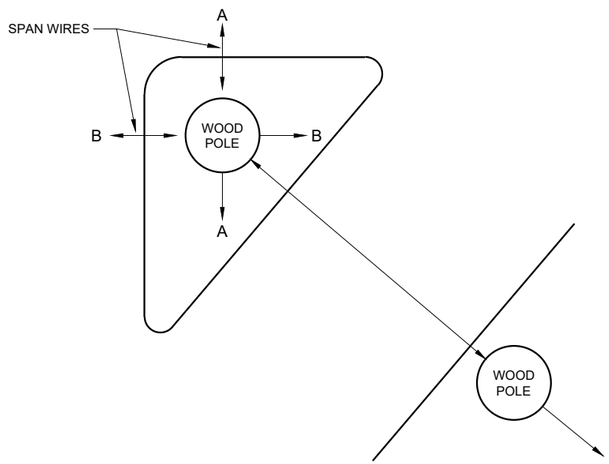


TYPICAL SKID TYPE TEMPORARY

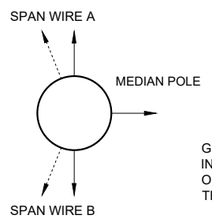


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

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

577

FHWA

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SDD 09G01 - 4g

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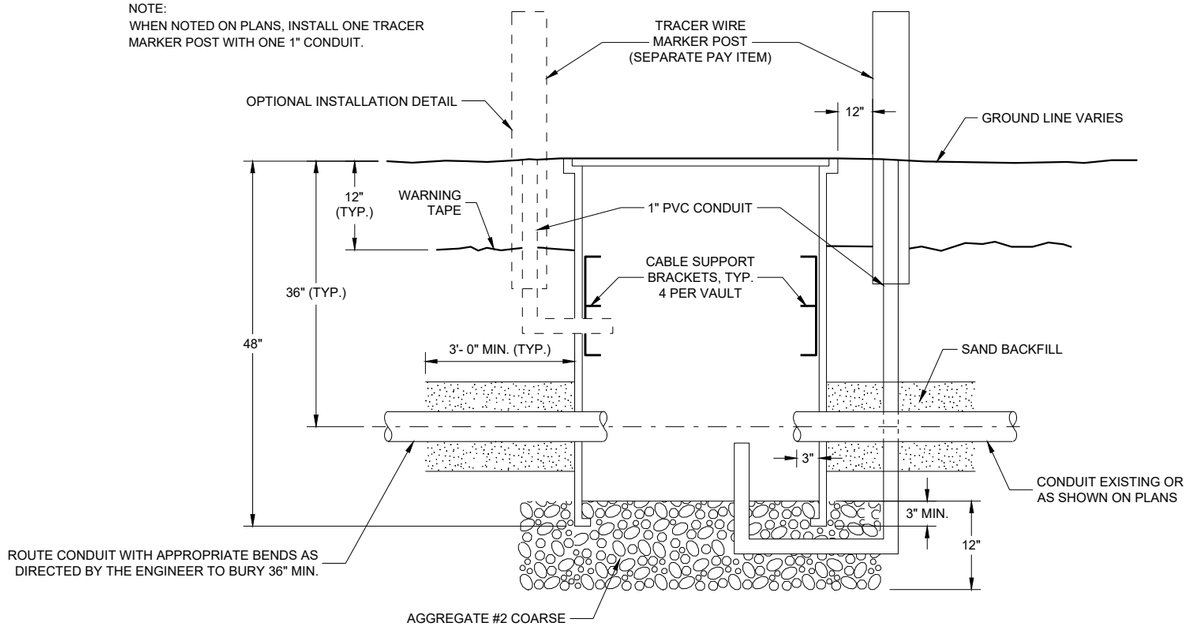
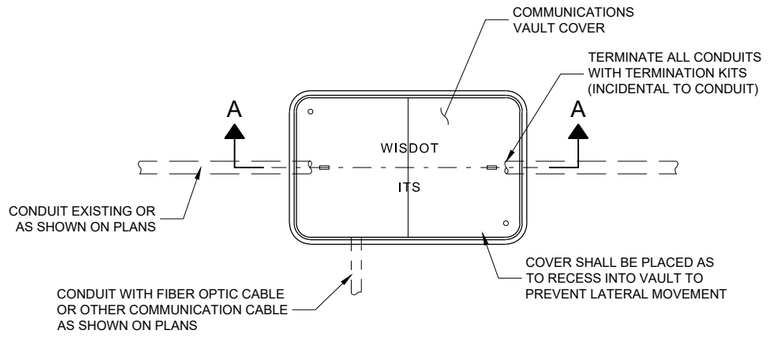
SDD 09G01 - 4g

NOTE:
WHEN NOTED ON PLANS, INSTALL ONE TRACER MARKER POST WITH ONE 1" CONDUIT.



SECTION A - A



PLAN VIEW

COMMUNICATIONS VAULT TYPE 1

GENERAL NOTES

PROVIDE VAULT WITH OPEN BASE.

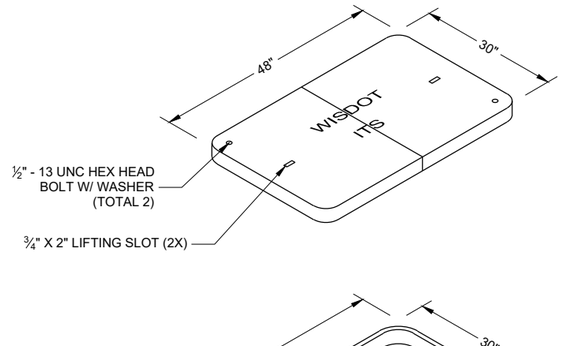
COVER SHALL HAVE A MINIMUM DESIGN LOAD OF 15,000 LBS AND SHALL LOCK.

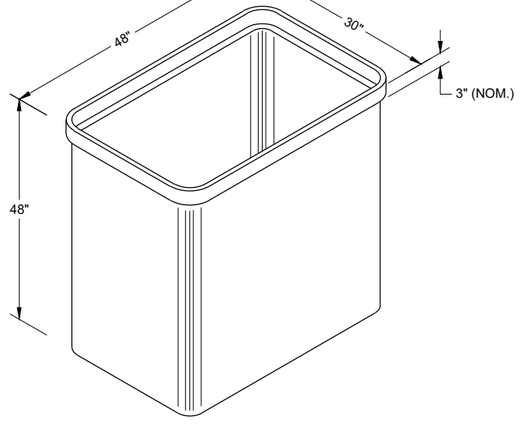
ALL OPENINGS IN STRUCTURE MUST BE MACHINED AT TIME OF FABRICATION, OR PUNCH DRIVEN AT TIME OF PLACEMENT.

VAULTS SHALL BE OF ONE-PIECE CONSTRUCTION. TWO-PIECE/STACKABLE VAULTS WILL NOT BE PERMITTED.

FIELD PLACEMENT OF COMMUNICATIONS VAULTS SHALL BE AS DIRECTED BY THE ENGINEER.

FIBER TRACER MARKER POSTS SHALL BE CONSTRUCTED WITH HIGH-IMPACT PLASTIC MATERIAL WHICH IS FADE RESISTANT AND UV STABLE. ALL HARDWARE SHALL BE STAINLESS STEEL AND CONTAIN A MINIMUM OF FIVE STANDARD TERMINALS.





ISOMETRIC VIEW

COMMUNICATION VAULT TYPE 1	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2017 DATE	/S/ Ahmet Demirbilek STATE ELECTRICAL ENGI 578
FHWA	

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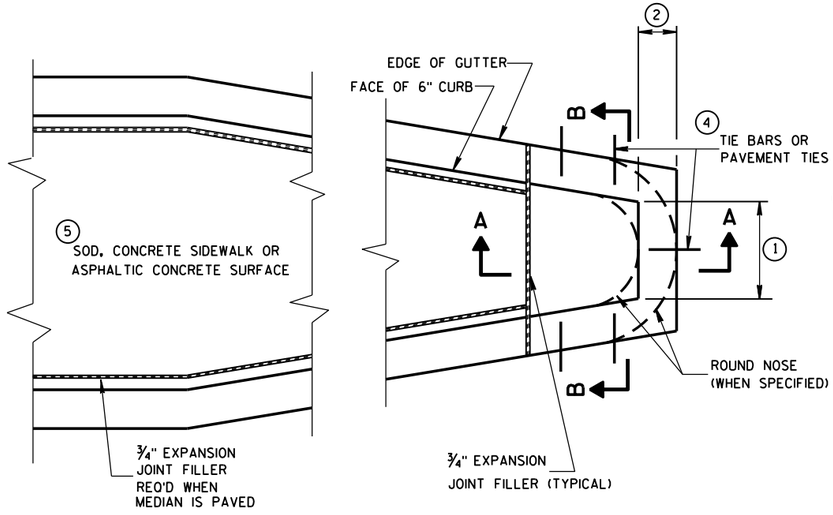
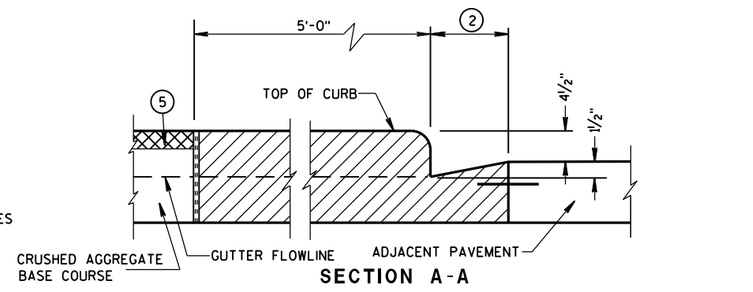
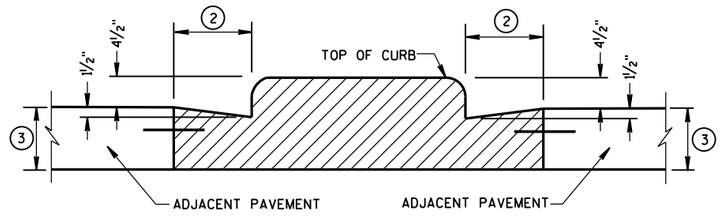
SDD 09H09 - 02





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.

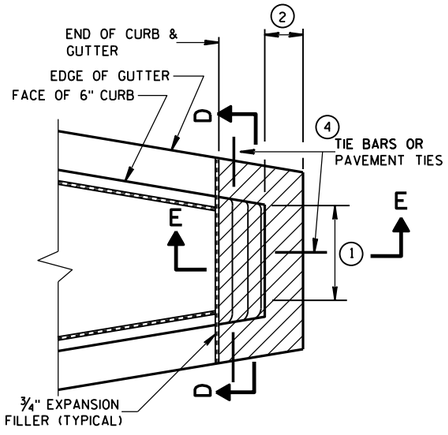
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

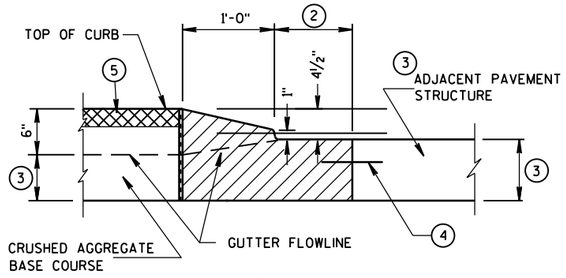
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(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.

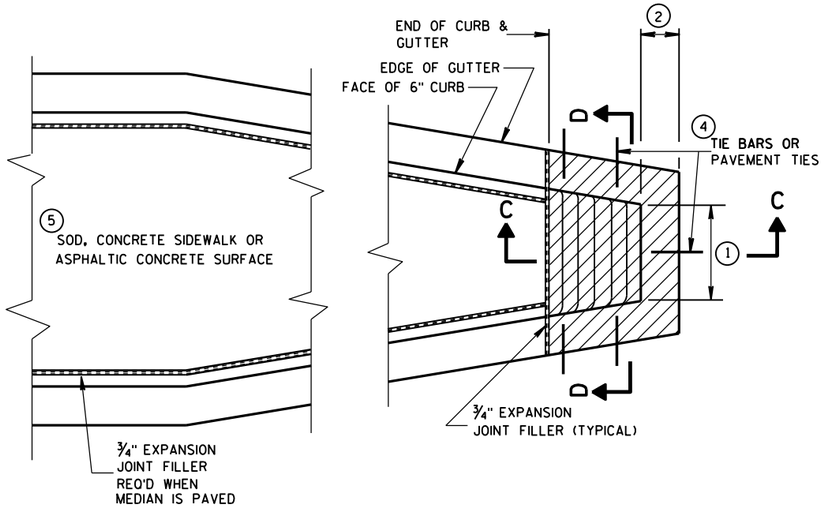
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

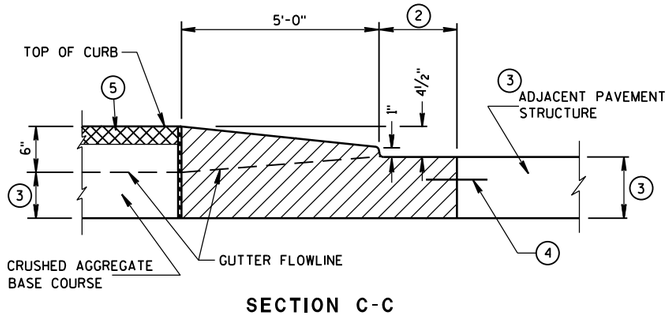




SECTION E-E

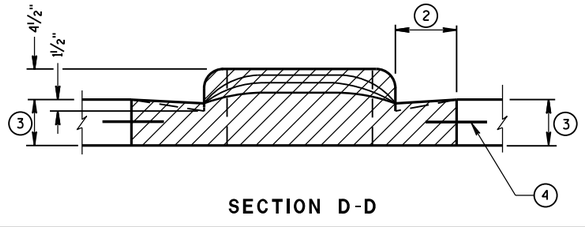
CONCRETE MEDIAN SLOPED NOSE TYPE 2





SECTION C-C

CONCRETE MEDIAN SLOPED NOSE TYPE 1



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/8/2006
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

579

FHWA

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S.D.D. 11 B 2-2

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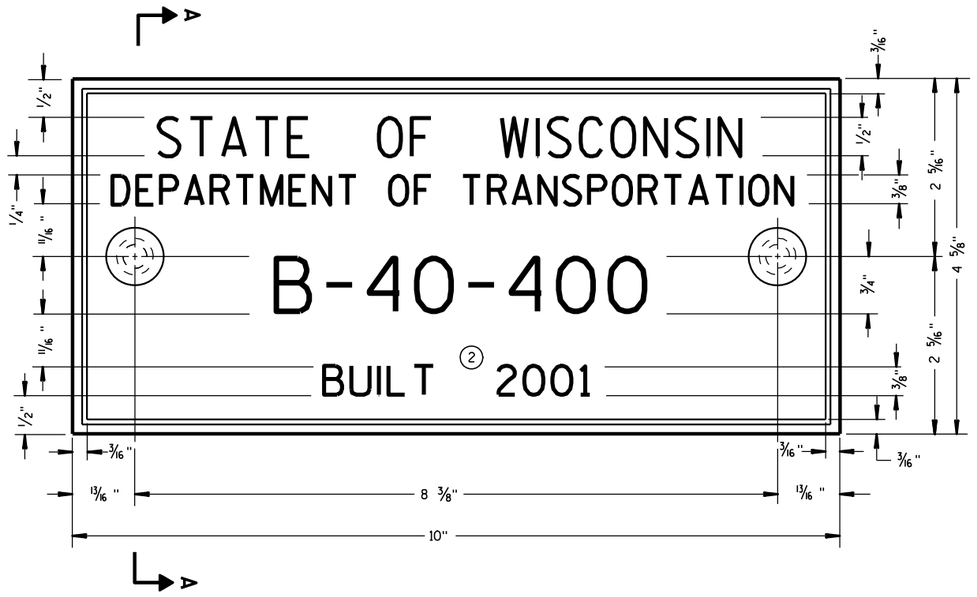
S.D.D. 11 B 2-2



TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)

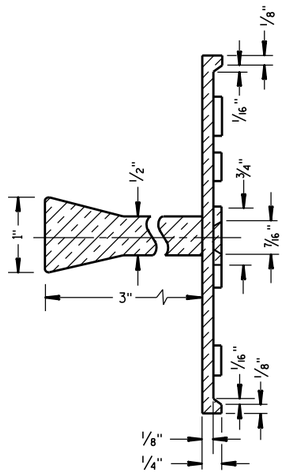
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

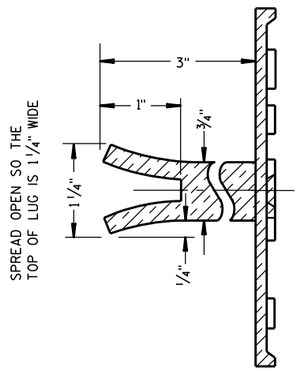
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG

FOR MULTI-UNIT STRUCTURES LINE 3 ABOVE SHALL READ

B = BRIDGE
C = CULVERT
R = RETAINING WALL

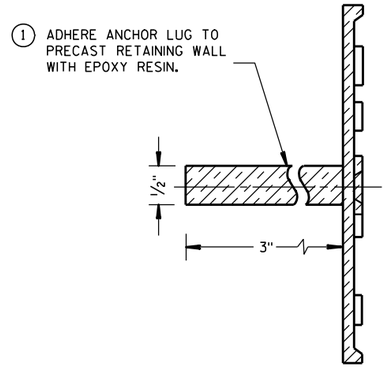
COUNTY NO.

BRIDGE NO.

UNIT NO. FOR MULTIPLE UNIT BRIDGE

B-40-400-1A

NUMBERING DESIGNATION MULTI-UNIT STRUCTURES



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/26/10 DATE

/S/ Scot Beck -- CHIEF STRUCTURAL DEVELOP 580 ENGINEER

FHWA

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S.D.D. 12 A 3-10

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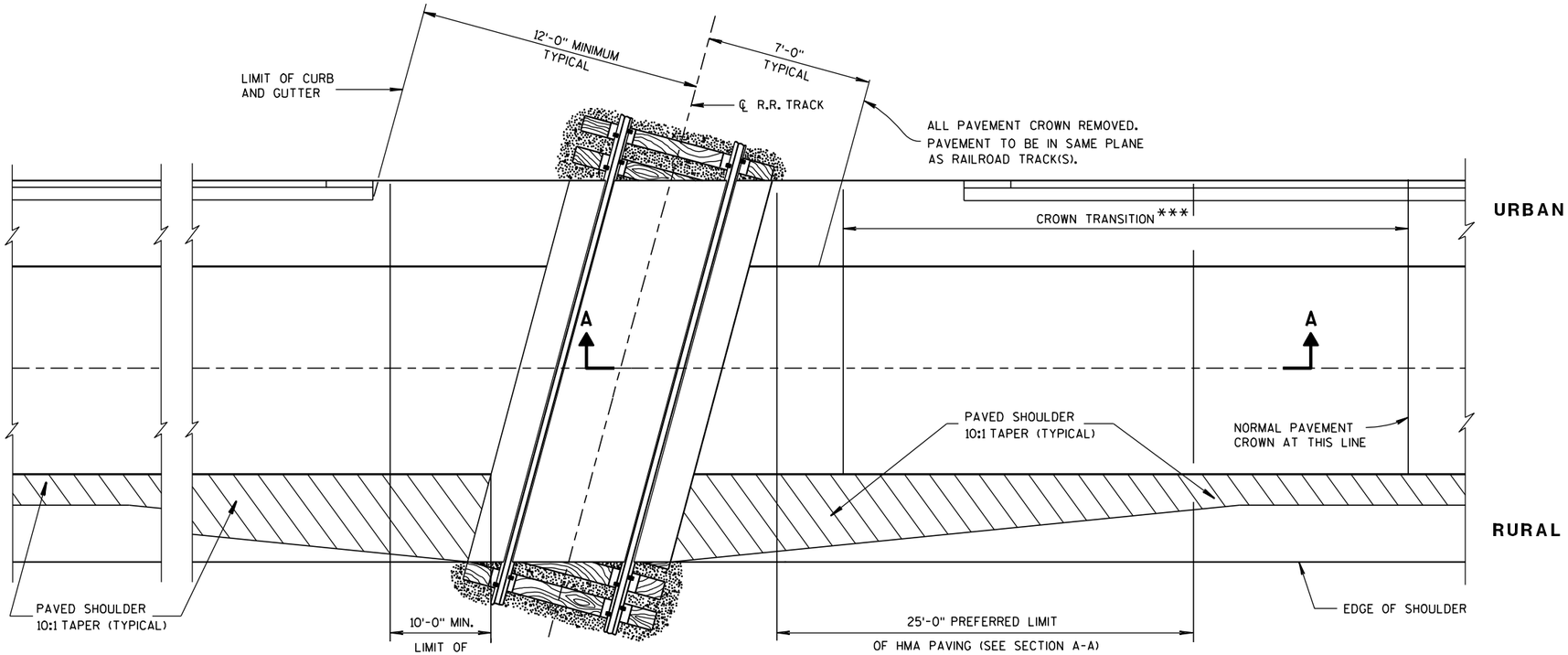
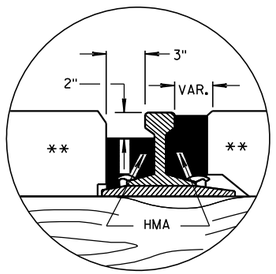
S.D.D. 12 A 3-10





DETAIL B

HMA FLANGEWAY AND FIELD FILLERS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TIMBER, CONCRETE OR RUBBER CROSSING SURFACE MATERIAL, RAILS, TIES, BALLAST, GEOTEXTILE FABRIC AND CROSSING DRAINAGE SYSTEM BY OTHERS UNLESS OTHERWISE PROVIDED.

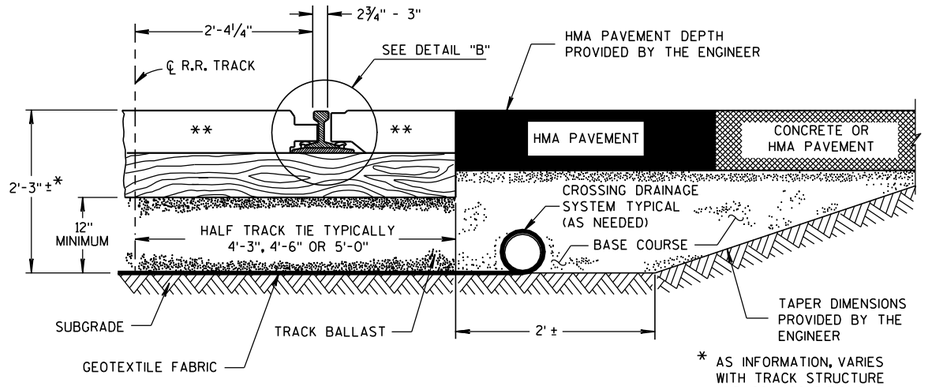
HMA PAVEMENT APPROACHES AND HMA PAVEMET CROSSING SURFACES TO BE PLACED BY CONTRACTOR UNLESS OTHERWISE PROVIDED.

HMA FLANGEWAY AND FIELD FILLERS TO BE PLACED AND THOROUGHLY HAND COMPACTED BY THE CONTRACTOR WHEN NOT PROVIDED BY OTHERS. SEE DETAIL B. HMA FILLERS NOT REQUIRED WHEN RUBBER FILLERS ARE PROVIDED.

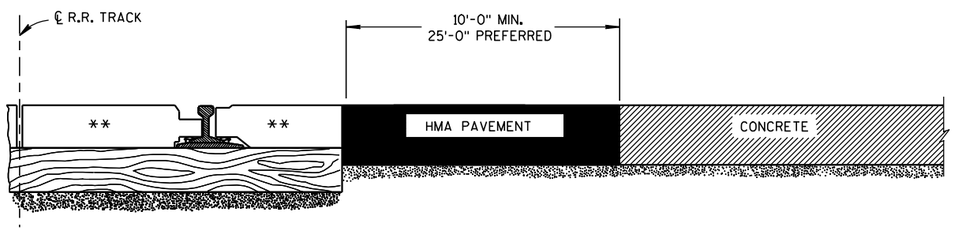
HMA PAVEMENT SHALL BE ROLLED PARALLEL TO THE TRACK.

** CROSSING SURFACE MAY BE TIMBER, RUBBER, CONCRETE, HMA PAVEMENT OR A COMBINATION OF SUCH MATERIALS.

*** CROWN TRANSITION LENGTH SHOWN ELSEWHERE IN THE PLAN.

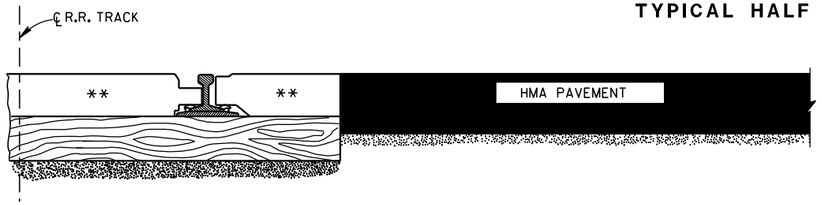


TYPICAL HALF SECTION



SECTION A-A

CONCRETE PAVEMENT APPROACH



SECTION A-A

HMA PAVEMENT APPROACH

EXAMPLES OF PAVEMENT APPROACHES

PAVEMENT DETAILS FOR RAILROAD APPROACH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8-28-09 DATE
/S/ Ronald E. Adams
CHIEF, RAILROADS & HAI 581 CTION
FHWA

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S.D.D. 13 B 1-10

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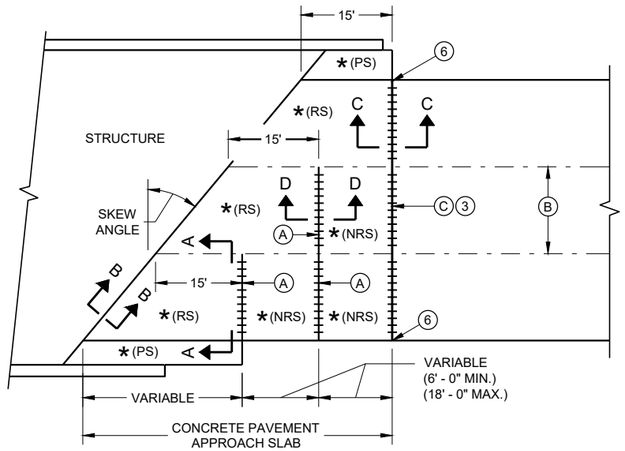
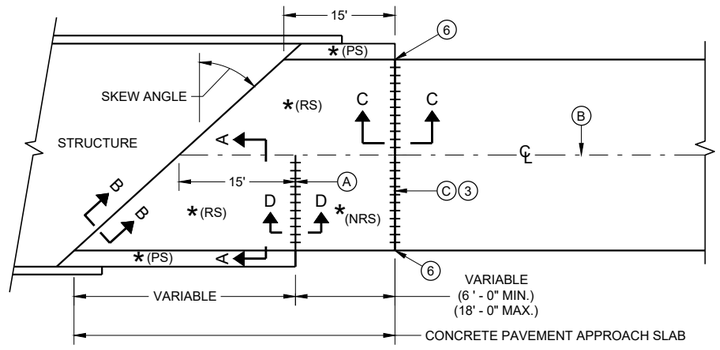
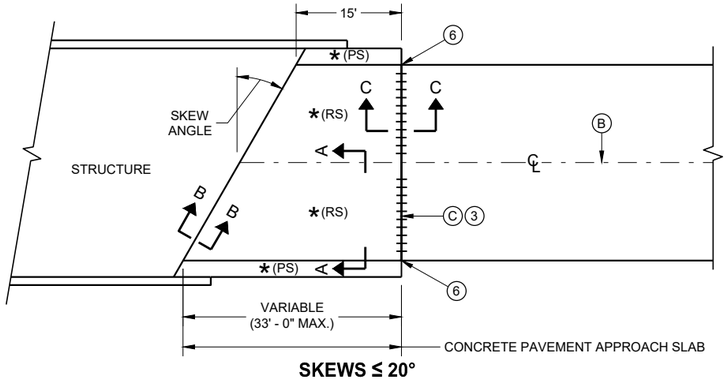
S.D.D. 13 B 1-10



SKEWED APPROACH
(PAVEMENT MORE THAN TWO LANES)



SKEWS > 20°
(PAVEMENT WIDTH ≤ 30')



SKEWS ≤ 20°
(PAVEMENT WIDTH ≤ 30')

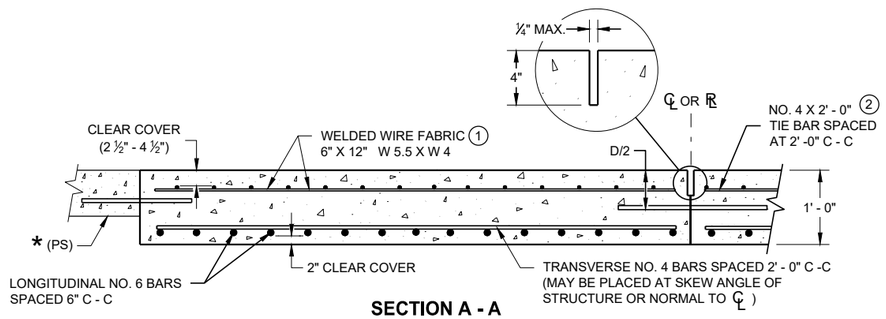
APPROACH SLAB AND ADJACENT PAVEMENT

* (RS) = REINFORCED CONCRETE SLAB

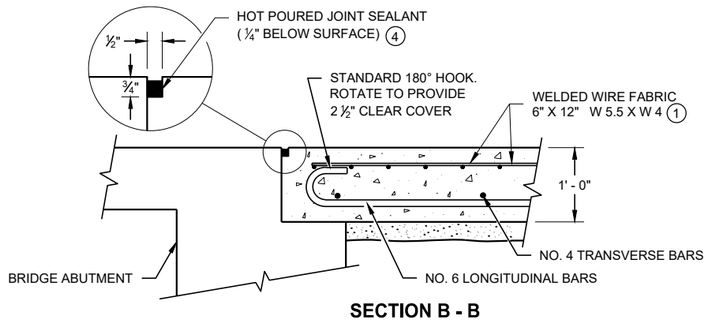
* (PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB

* (NRS) - NON - REINFORCED CONCRETE SLAB

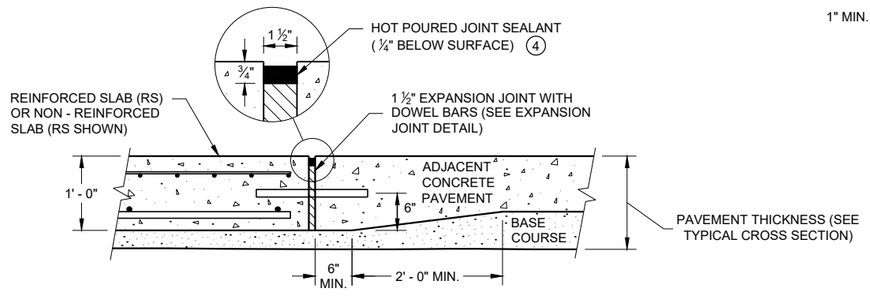
*** STANDARD DOWEL BAR DIAMETER (SEE SDD 13C11 AND SDD 13C13)



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.

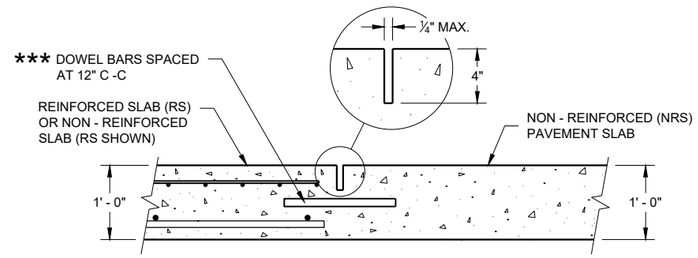
(5) PLACE EXPANSION CAP ON THE END OF THE DOWEL THAT IS NOT TACK WELDED TO THE BASKET. DO NOT FORCE DOWEL BAR PAST THE DOWEL STOP.

(6) EXTEND EXPANSION JOINT THROUGH ANY ADJACENT TIED CONCRETE.

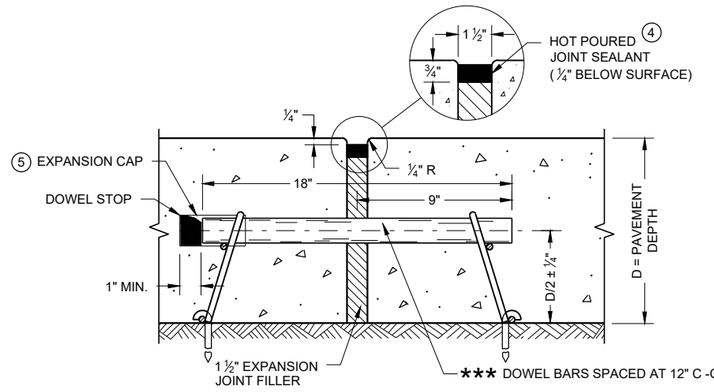
(A) STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℞.

(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

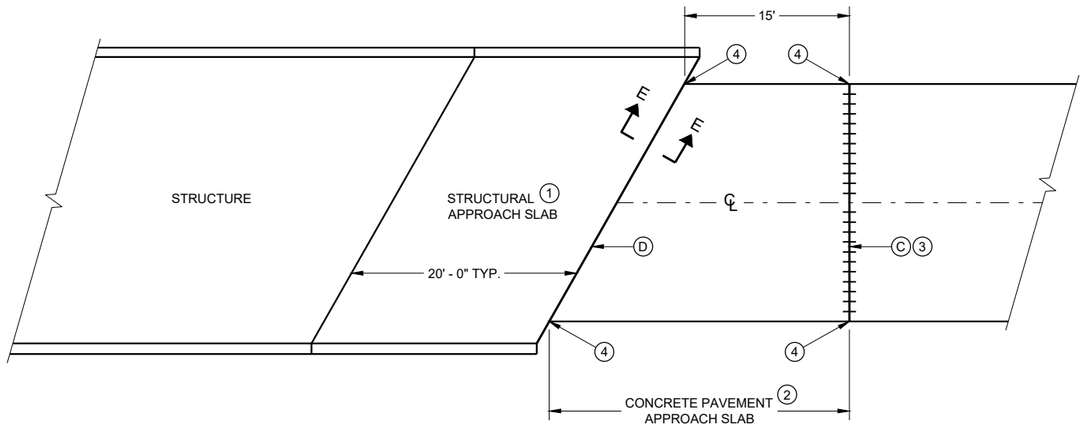
APPROVED
November 2018
DATE

/S/ Peter Kemp, P.E.
PAVEMENT SUPERVIS

FHWA

6

SDD 13B02 - 09a



BRIDGE APPROACHES

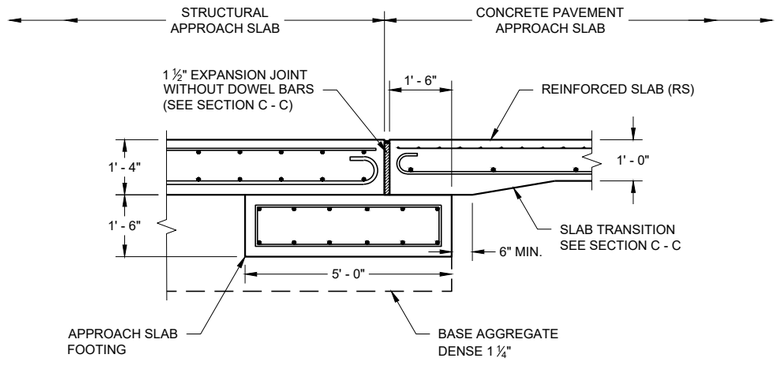
GENERAL NOTES

ALL PROJECTS THAT INVOLVE A STRUCTURAL APPROACH SLAB WILL ALSO HAVE A CONCRETE PAVEMENT APPROACH SLAB.

1. SEE BRIDGE PLAN.
2. CONFORM TO SDD 13B02 SHEET A FOR CONCRETE PAVEMENT APPROACH SLAB DETAILS
3. DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.
4. EXTEND EXPANSION JOINT THROUGH ANY ADJACENT TIED CONCRETE.

C. 1 ½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℞.

D. 1 ½" EXPANSION JOINT (NO DOWELS)



SECTION E - E
FOOTING DETAIL
STRUCTURAL APPROACH SLAB TO CONCRETE BRIDGE APPROACH

STRUCTURAL APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

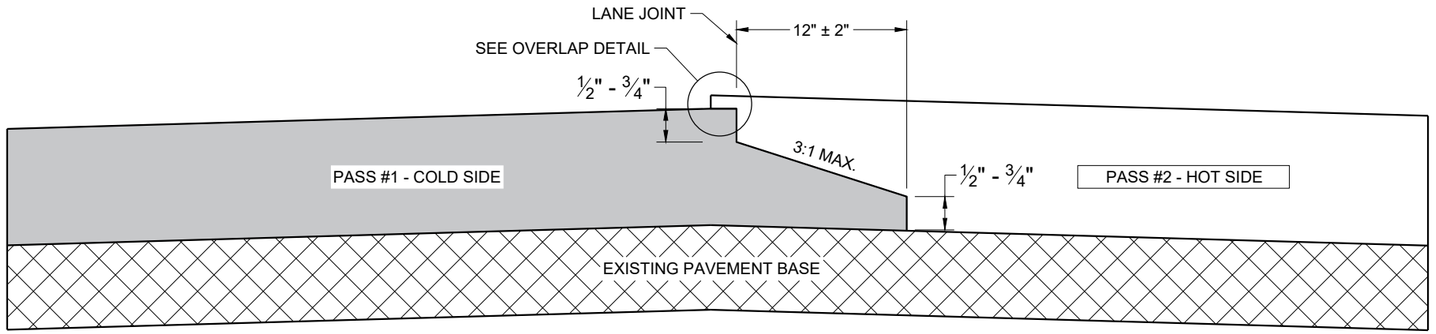
APPROVED
November 2018
DATE
/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

FHWA

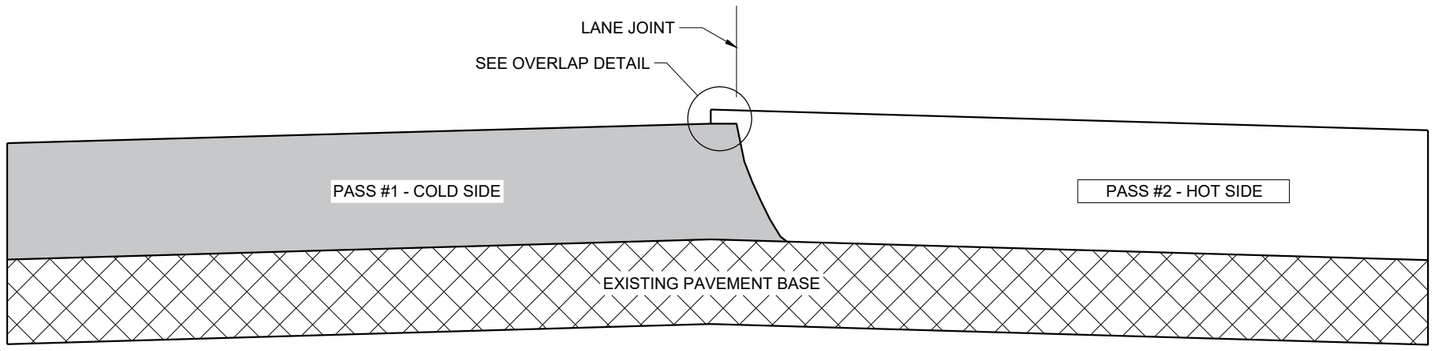
6

SDD 13B02 - 09b

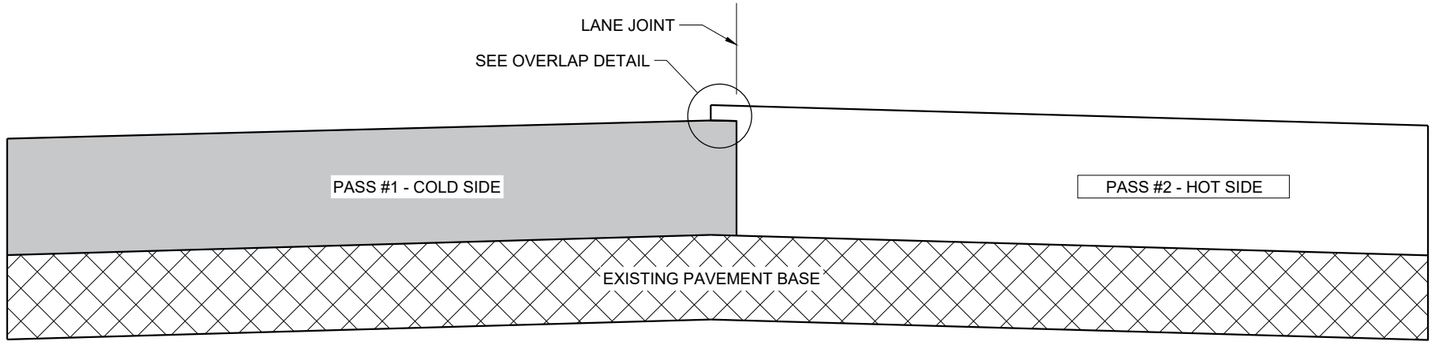
SDD 13B02 - 09b



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

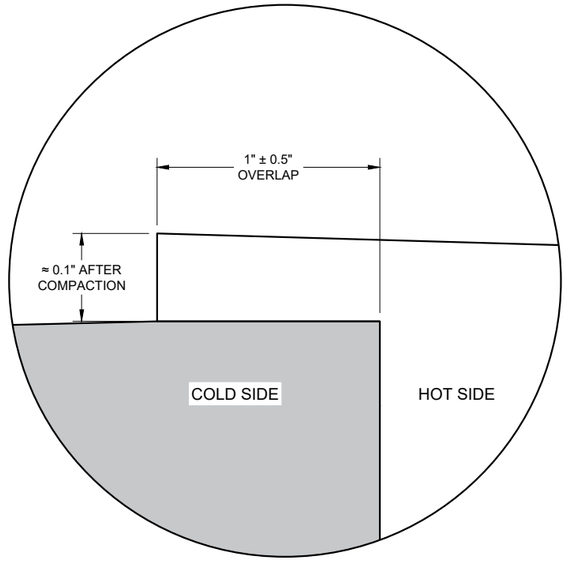
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

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SDD 13C19 - 03

SDD 13C19 - 03

HMA LONGITUDINAL JOINTS

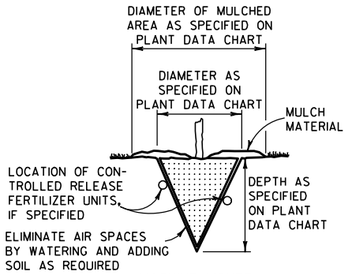
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

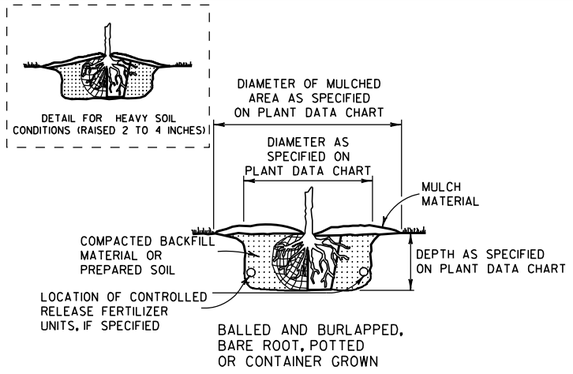
/S/ Steven Hefel
HMA PAVEMENT ENGIN

584

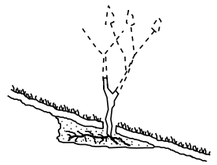
FHWA



MACHINE MOVED

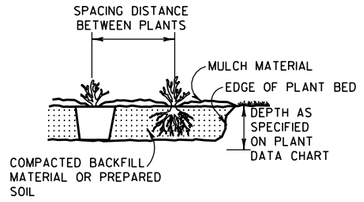


BALLED AND BURLAPPED, BARE ROOT, POTTED OR CONTAINER GROWN



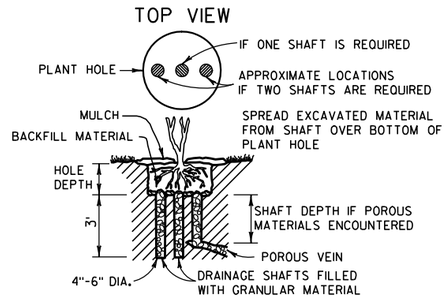
ACCOMMODATE ROOTS (SMOOTH AND STAGHORN SUMAC)

NOTE:
1) ENGINEER SHALL REQUIRE 3 SLITS IN POT TO SPEED DETERIORATION
2) METAL, PLASTIC OR OTHER NONDEGRADABLE POTS SHALL BE REMOVED PRIOR TO PLANTING



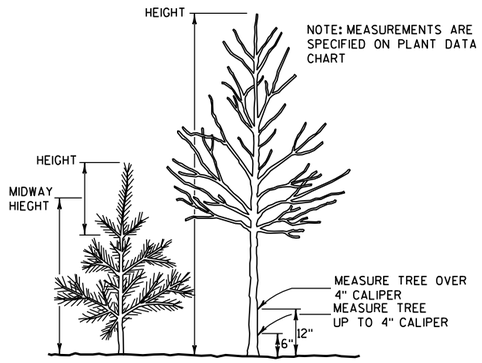
PREPARED BED (BARE ROOT AND POTTED)

PLANTING

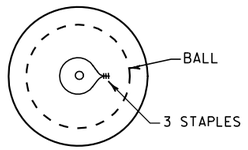


NOTE:
DRAINAGE SHAFT AS SPECIFIED ON PLANT DATA CHART

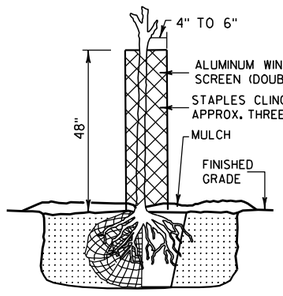
DRAINING



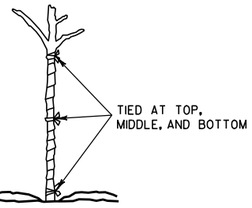
MEASURING



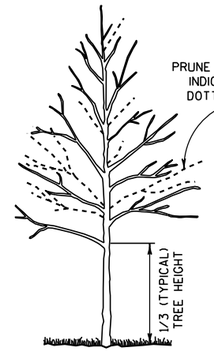
TOP VIEW



RODENT PROTECTION



WRAPPING

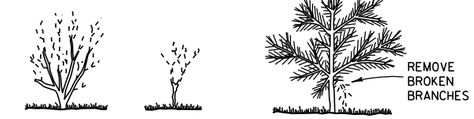


TALL DECIDUOUS TREES (ASH, MAPLE, LINDEN, OAK)

SINGLE STEMMED LOW DECIDUOUS TREES (CRABS AND OTHER SINGLE STEM TYPE)

MULTI-STEMMED LOW DECIDUOUS TREES OR LARGE SHRUBS (HAWTHORN, SERVICEBERRY)

NOTE: WHEN PRUNING, PRESERVE CHARACTER AND SHAPE OF TREE. AVOID LEAVING STUBS - REMOVE BRANCH OR TWIG BACK TO THE NEAREST CROTCH
1) PRUNE TO REMOVE DEAD AND BROKEN BRANCHES
2) PRUNE TO REMOVE BRANCHES THAT TOUCH OR ARE TOO CLOSE TO OTHER BRANCHES

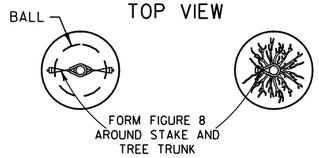


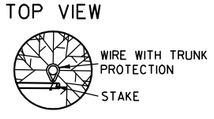
SHRUBS (GRAY DOGWOOD ARROWWOOD VIBURNUM)

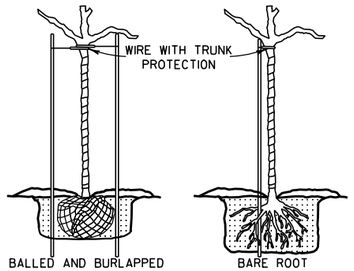
SUMAC

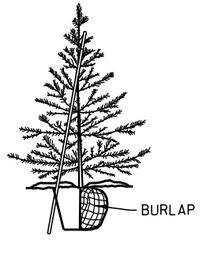
TREE TYPE EVERGREENS (PINE, SPRUCE, FIR) EVERGREENS USUALLY ARE NOT PRUNED

PRUNING



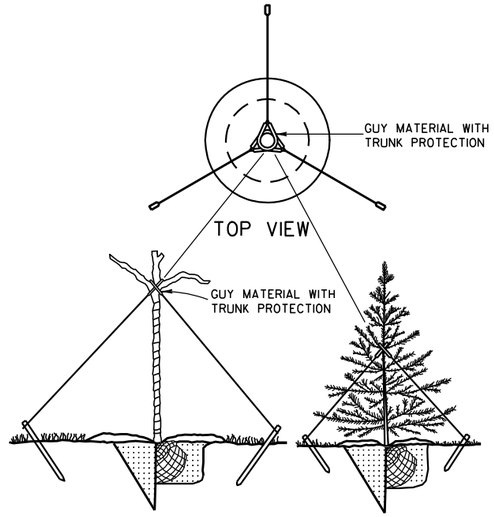






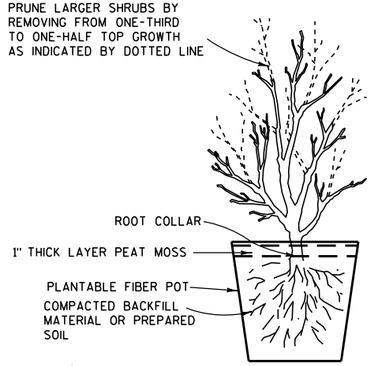
NOTE: BRACING STAKE
1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES.
2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT.
3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE; AND
4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE IN PLACE.

BRACING



GUYING

PRUNE LARGER SHRUBS BY REMOVING FROM ONE-THIRD TO ONE-HALF TOP GROWTH AS INDICATED BY DOTTED LINE



POTTING

NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

BRACING, WRAPPING, GUYING, RODENT PROTECTION, FERTILIZER AND MULCH SHALL BE USED ONLY WHEN SPECIFIED ON THE PLANT DATA CHART (PART OF PLAN) OR SPECIAL PROVISIONS.

TREE PLANTING DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/11/94
DATE
/S/ Rory L. Rhinesmith
CHIEF METHODS DEVELOPMENT ENGINEER
FHWA

S.D.D. 14 A 2-1

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S.D.D. 14 A 2-1

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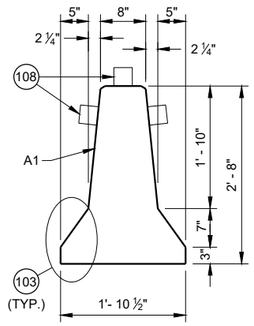
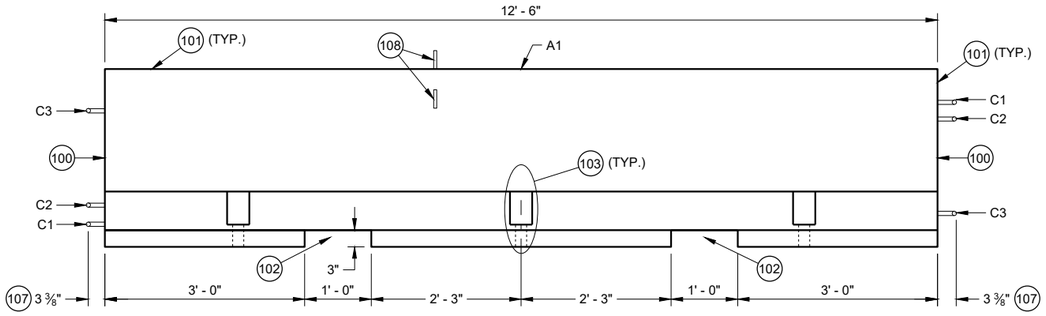


CROSS SECTION



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

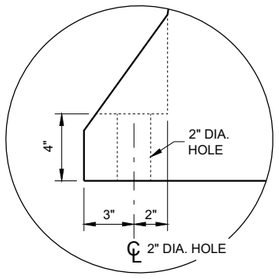
(104) 1 ¾" MIN. CLEAR COVER

(105) 2" MIN. CLEAR COVER

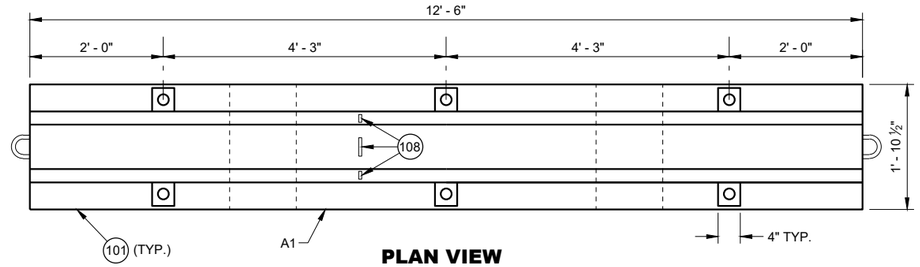
(106) 1" MIN. CLEAR COVER

(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.

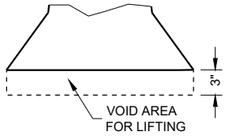


ANCHOR BLOCK DETAIL

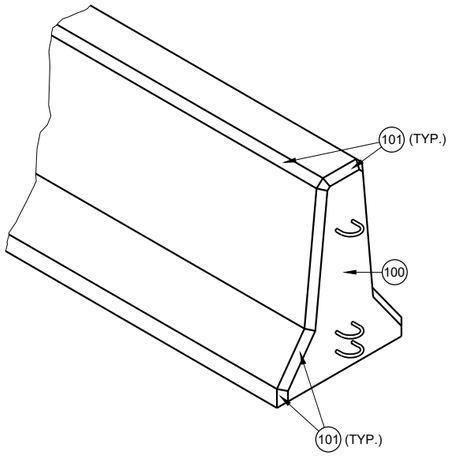


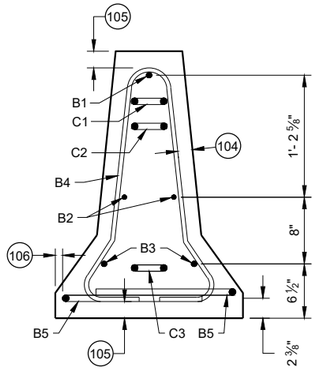
PLAN VIEW

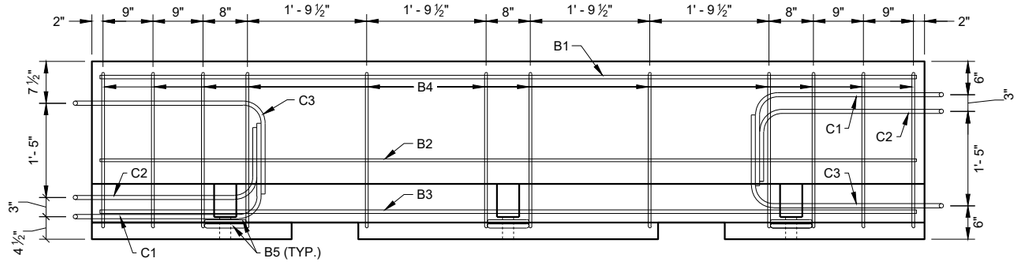
TEMPORARY BARRIER



LIFTING SLOT DETAIL (TYP.)







PROFILE VIEW

TEMPORARY BARRIER REINFORCEMENT

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

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SDD 14B07-16a

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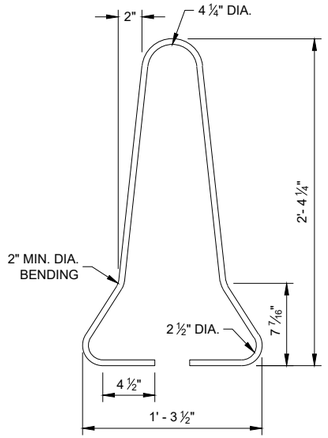
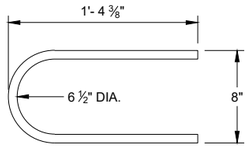
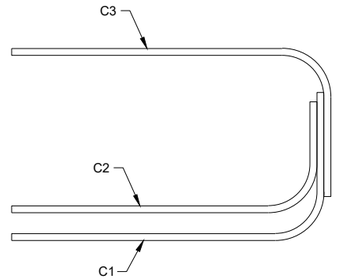


B4 BAR DETAIL

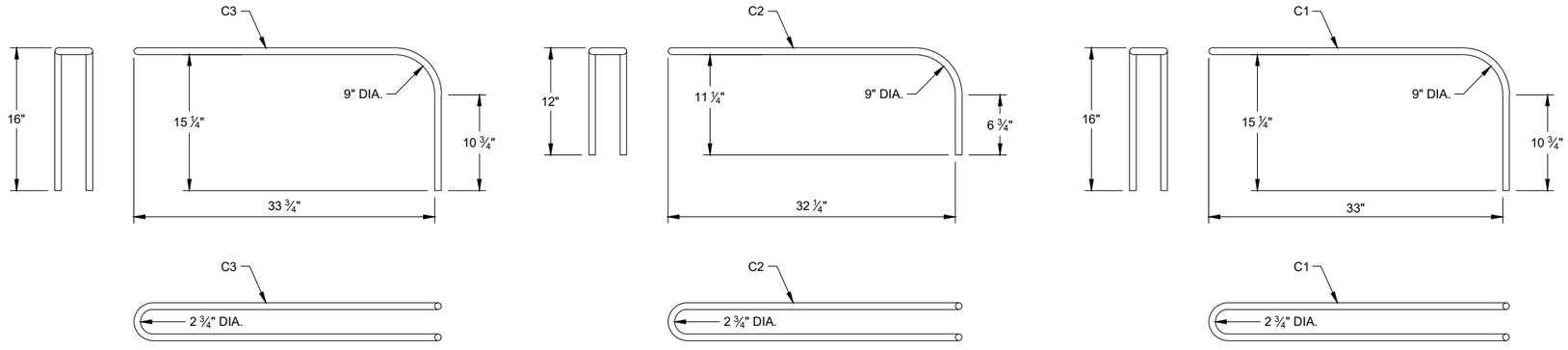


B5 BAR DETAIL



PROFILE VIEW

LOOP BAR ASSEMBLY



C BAR DETAILS

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SDD 14B07-16b

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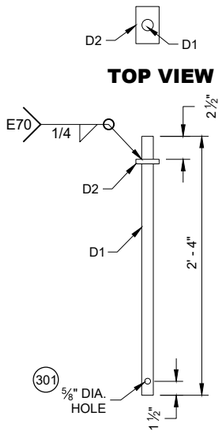
SDD 14B07-16b

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

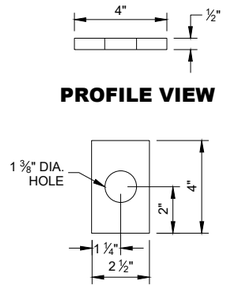
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA



TOP VIEW

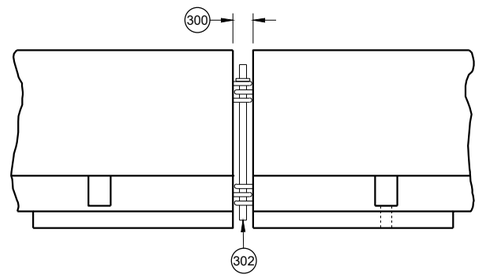
PROFILE VIEW

CONNECTOR PIN ASSEMBLY



PROFILE VIEW

TOP VIEW D2



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.

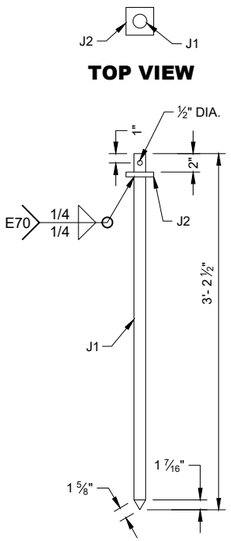
305 DO NOT USE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY OR CONCRETE PAVEMENT WITH ASPHALT OVERLAY.

306 MINIMUM OF 2" OF ASPHALT.

307 ASPHALT ANCHOR PIN ASSEMBLY

308 IF DRILLING A PILOT HOLE, THE MAX, DIA. OF THE HOLE IS 3/4"

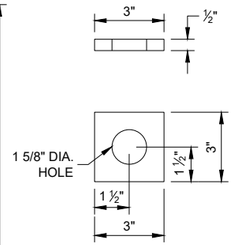
309 WHEN THERE IS ASPHALT OVERLAYING CONCRETE PAVEMENT, A 1 5/8" DIA. PILOT HOLE CAN BE DRILLED INTO THE OVERLAY AND CONCRETE. IF NEEDED DRILL A 3/4" PILOT HOLE IN BASE COURSE.



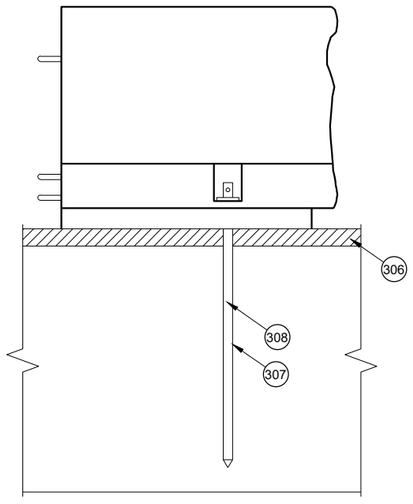
TOP VIEW

PROFILE VIEW

ASPHALT ANCHOR PIN ASSEMBLY

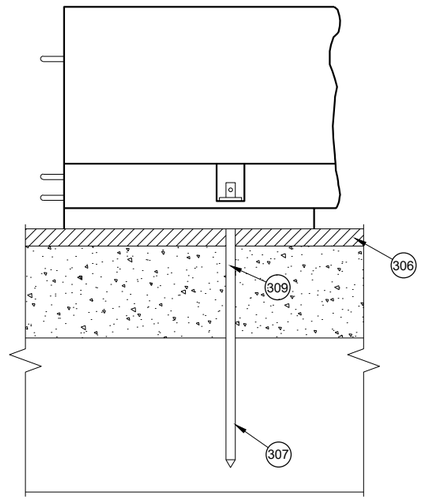


TOP VIEW J2



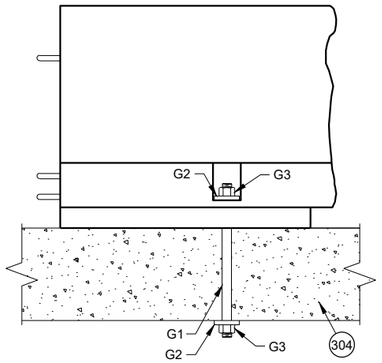
SIDE VIEW

ASPHALT ANCHOR INSTALLATION THROUGH ASPHALT PAVEMENT



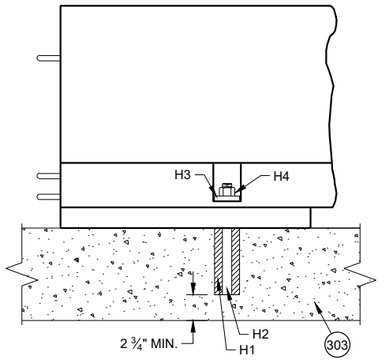
SIDE VIEW

ASPHALT ANCHOR INSTALLATION THROUGH ASPHALT OVERLAY ON TOP OF CONCRETE PAVEMENT



SIDE VIEW

THROUGH BOLT ANCHOR INSTALLATION (305)



SIDE VIEW

ADHESIVE ANCHOR INSTALLATION (305)

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

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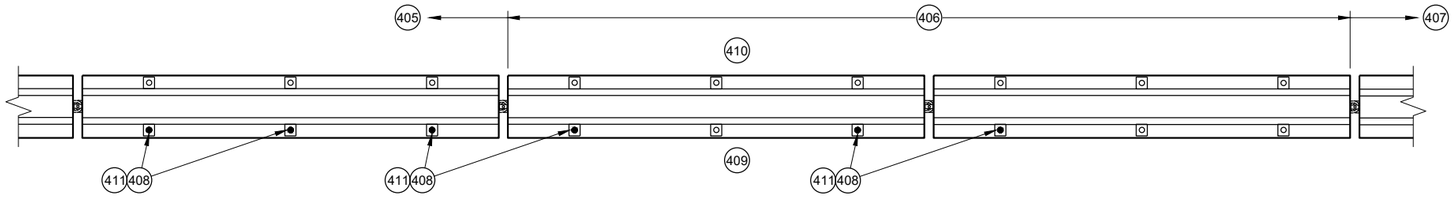
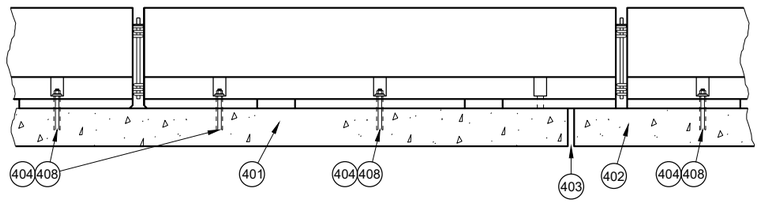


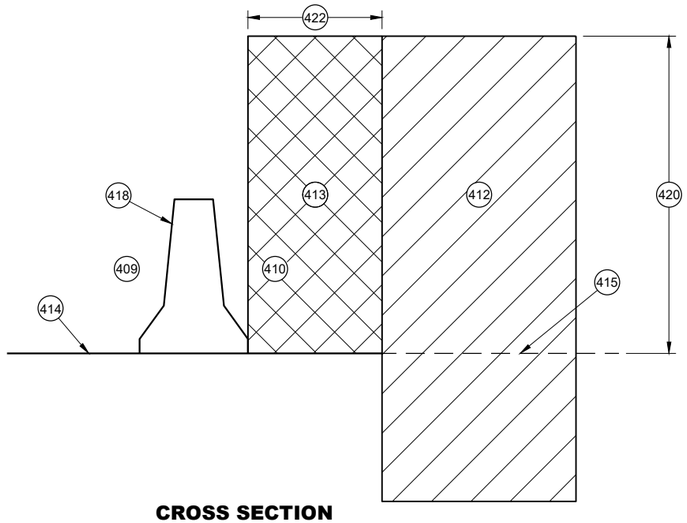
PLAN VIEW

TRANSITION FROM FREE STANDING TO ANCHORED BARRIER



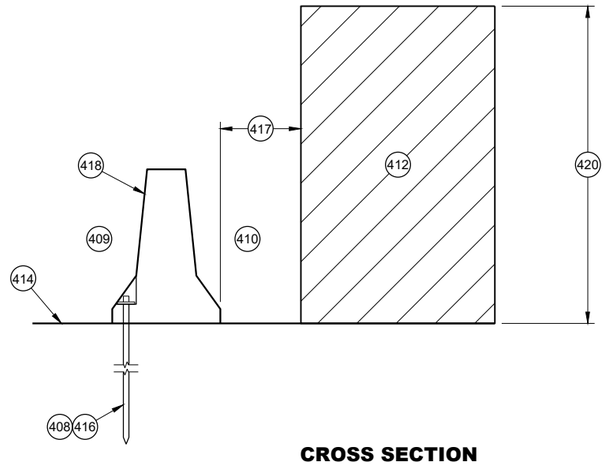
PROFILE VIEW

ANCHORED BARRIER NEAR EXPANSION JOINT (400)



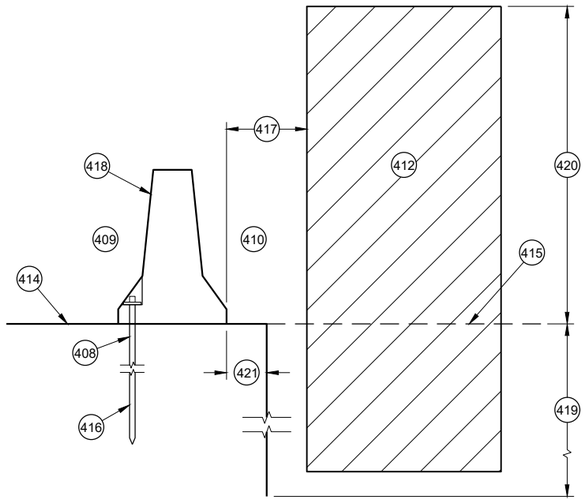
CROSS SECTION

FREE STANDING BARRIER



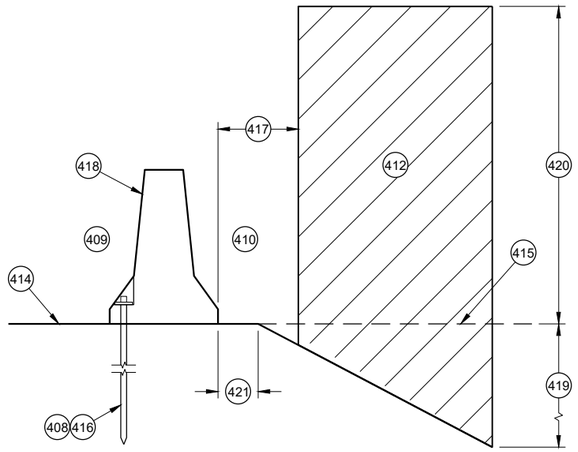
CROSS SECTION

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"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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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

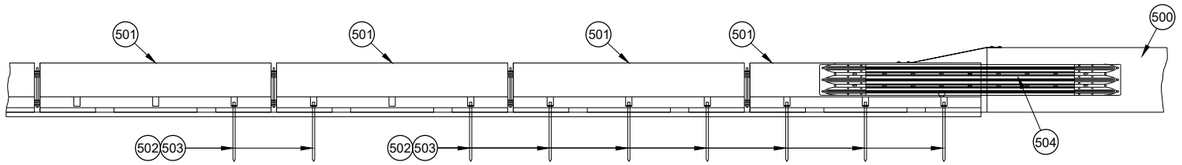
(516) CUT WOOD BLOCK TO FIT.

(517) SEE THRIE BEAM RAIL TERMINAL CONNECTOR DETAIL ASSEMBLY.

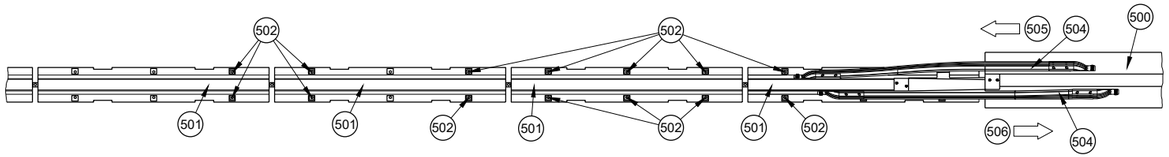
(518) CAP ASSEMBLY

(519) 4" MAX. GAP BETWEEN TEMPORARY BARRIER AND RIGID BARRIER.

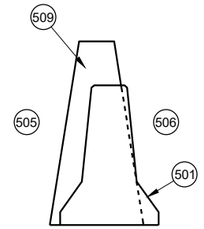
(520) ALL TWELVE SPLICE HOLES REQUIRE M1 AND M2



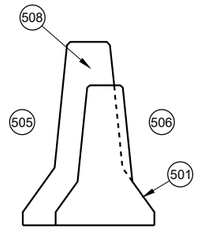
PROFILE VIEW



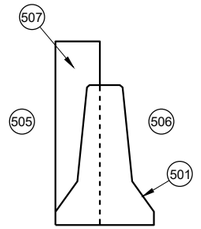
PLAN VIEW



CROSS SECTION TEMPORARY BARRIER PLACEMENT SINGLE SLOPE

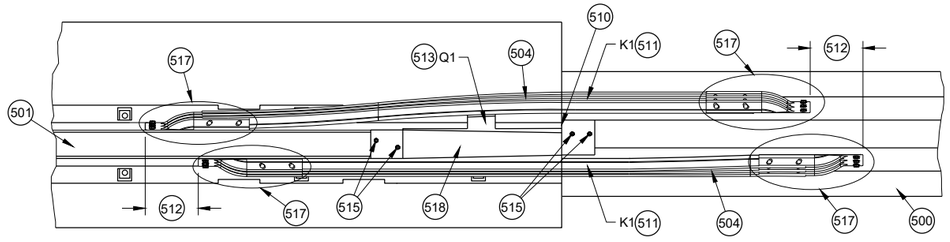


CROSS SECTION TEMPORARY BARRIER PLACEMENT SAFETY SHAPE

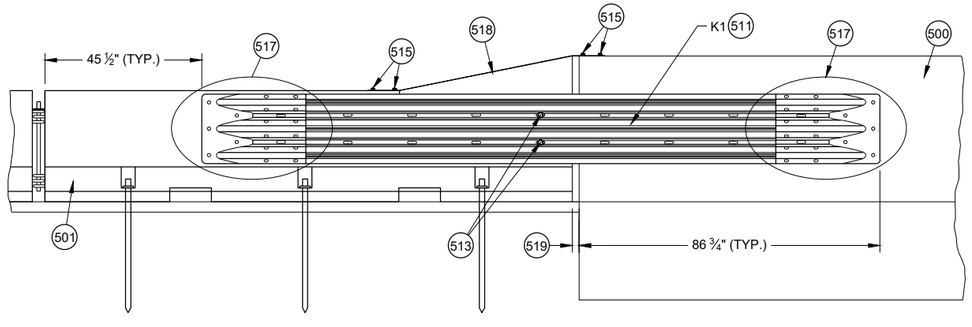


CROSS SECTION TEMPORARY BARRIER PLACEMENT VERTICAL

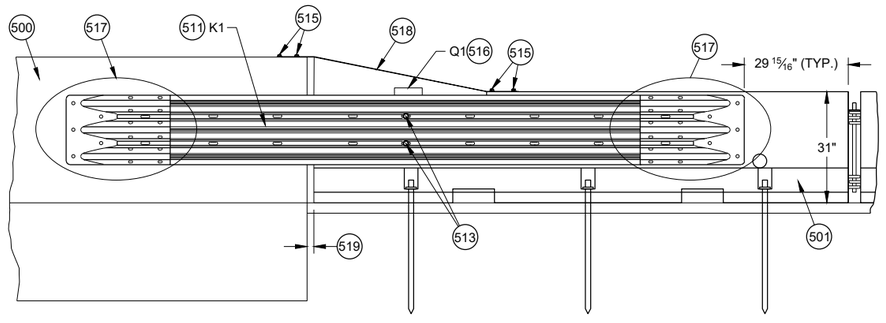
PLAN VIEW
TRANSITION TO RIGID BARRIER



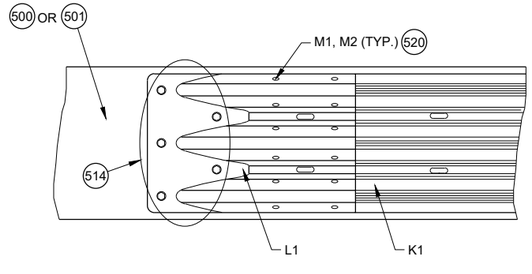
PLAN DETAIL VIEW
TRANSITION TO RIGID BARRIER



FRONT DETAIL VIEW
TRANSITION TO RIGID BARRIER



BACK DETAIL VIEW
TRANSITION TO RIGID BARRIER



(517) DETAIL PLAN VIEW
THRIE BEAM RAIL TERMINAL CONNECTOR ASSEMBLY

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

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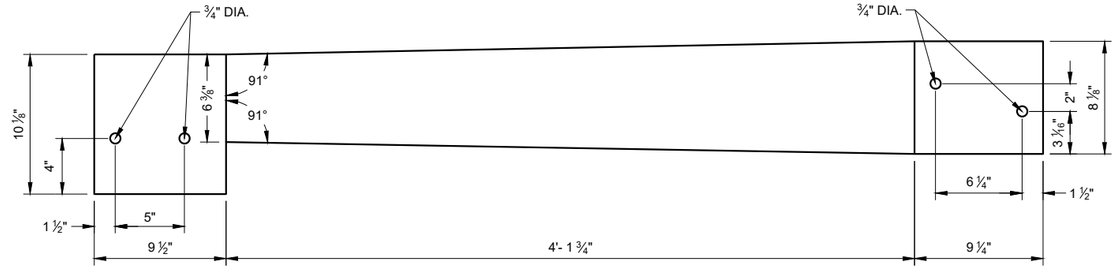
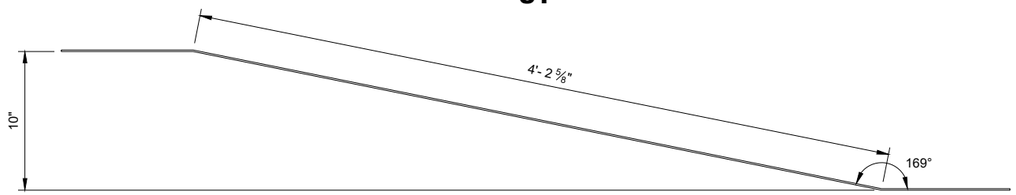


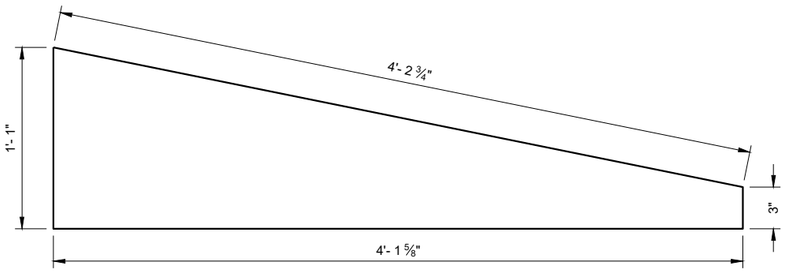
TOP VIEW

S1



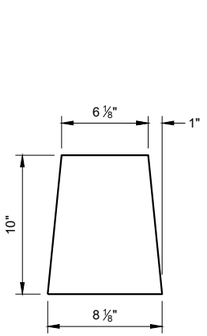
ELEVATION VIEW

S1

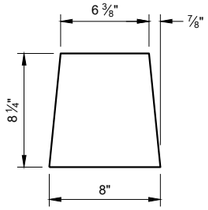


SIDE VIEW

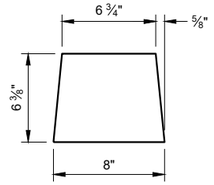
S3



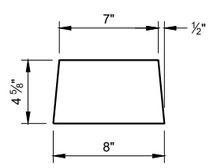
S2



S4



S5



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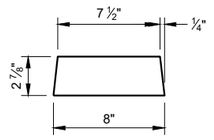
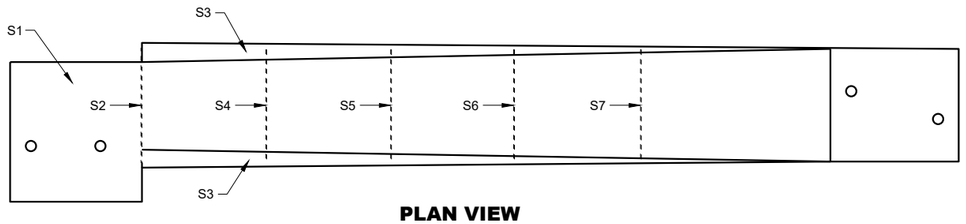
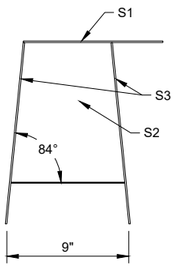


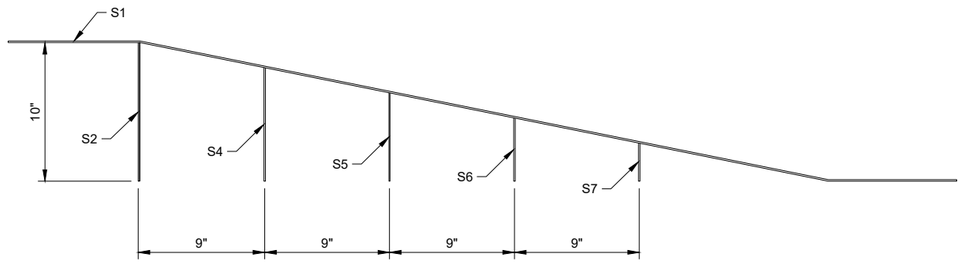
S7



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"

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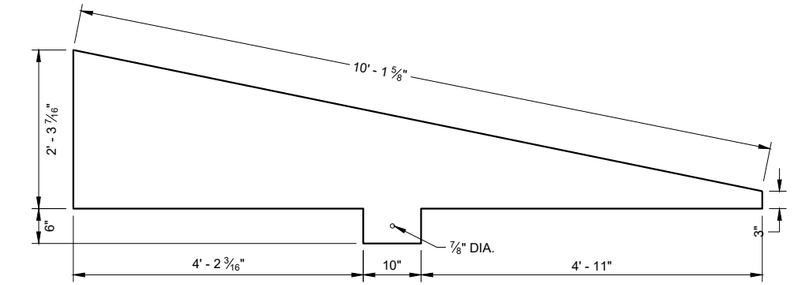
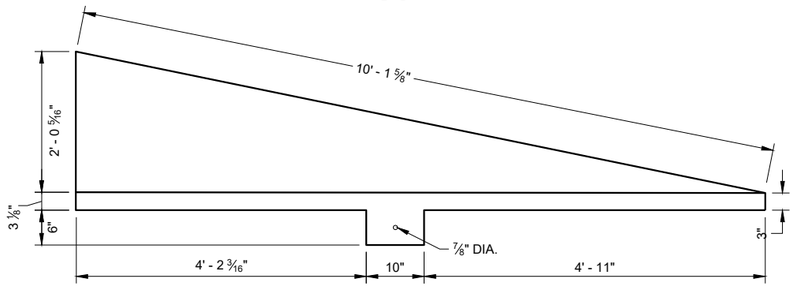


SIDE VIEW
T4

END VIEW



SIDE VIEW
T3

END VIEW

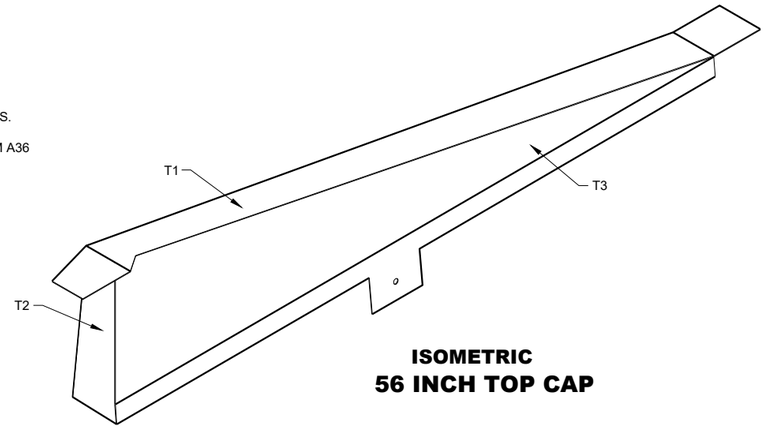
GENERAL NOTES

STITCH WELD GUSSET PLATES AND END PLATES ON THRIE SIDES

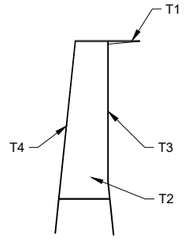
STITCH WELD TWO SIDE PLATES TO TOP PLATE, END PLATE AND GUSSETS.

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.

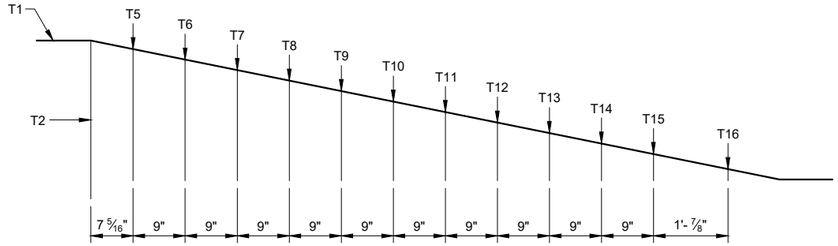
(700) SIDE PLATES (T3 AND T4) NOT SHOWN FOR CLARITY.



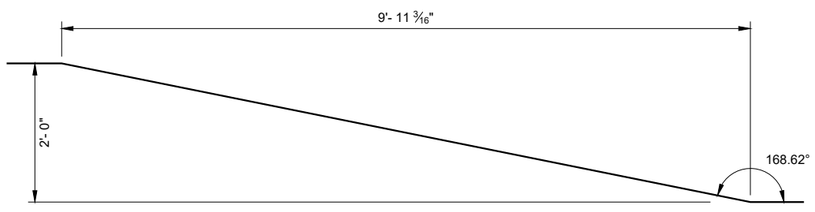
ISOMETRIC
56 INCH TOP CAP



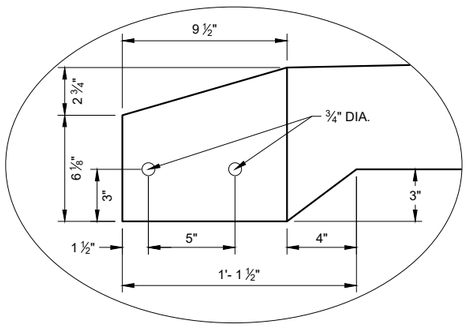
END VIEW
56 INCH TOP CAP



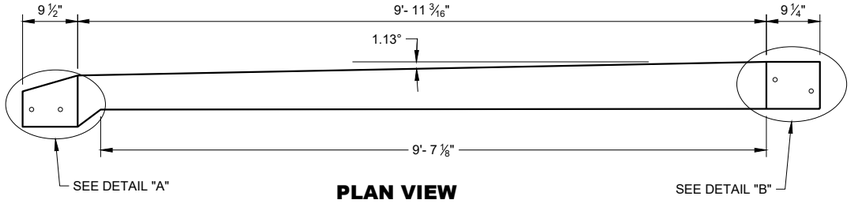
SIDE VIEW (700)
56 INCH TOP CAP



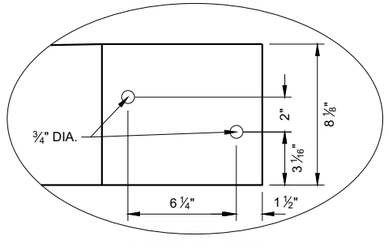
SIDE VIEW
TOP PLATE T1



DETAIL "A"



PLAN VIEW
TOP PLATE T1



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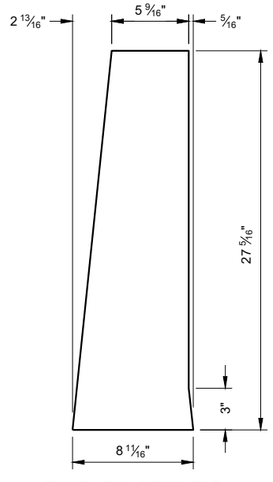
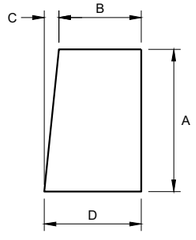


END PLATE T2



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

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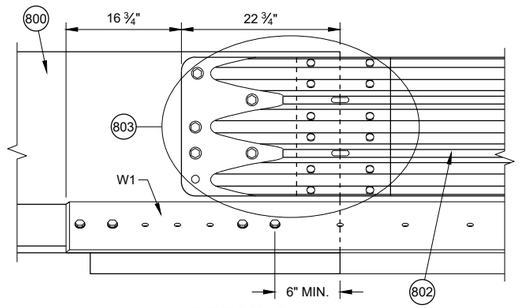
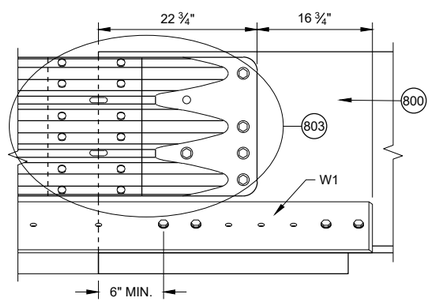
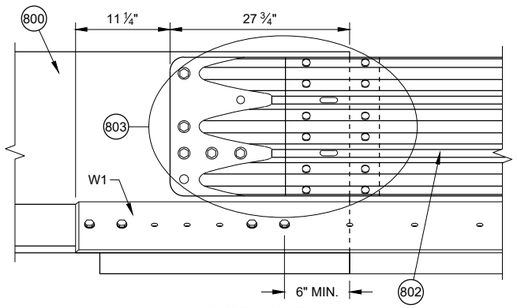
SDD 14B07-16g



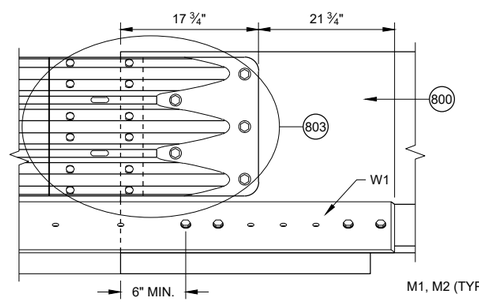
DETAIL D



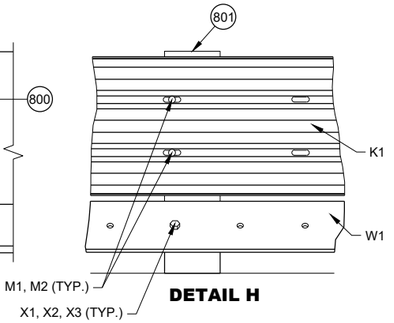
DETAIL E



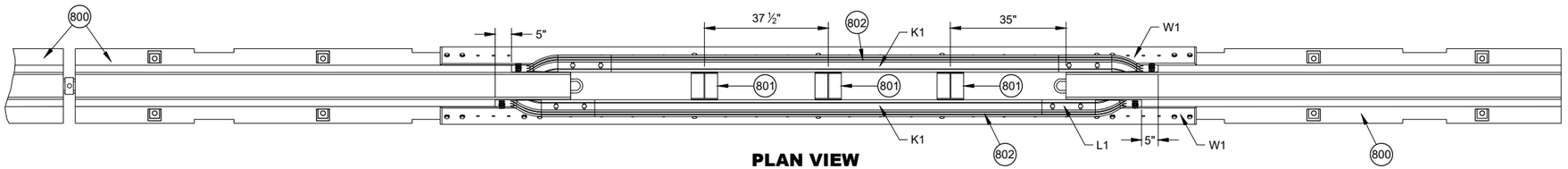
DETAIL F



DETAIL G



DETAIL H



PLAN VIEW

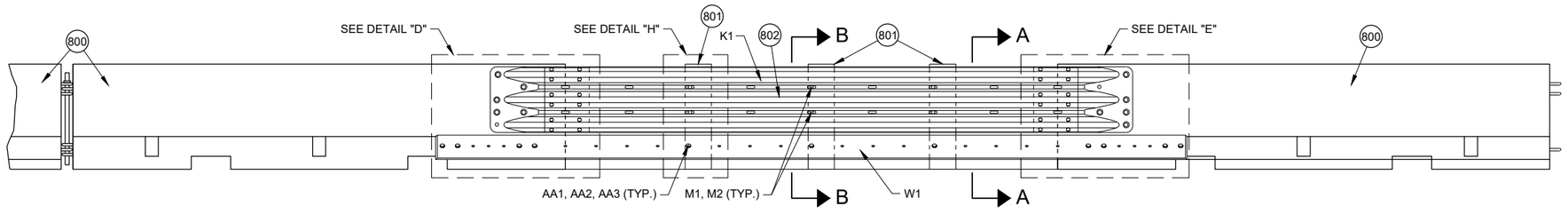
GENERAL NOTES

(800) FREE STANDING TEMPORARY BARRIER

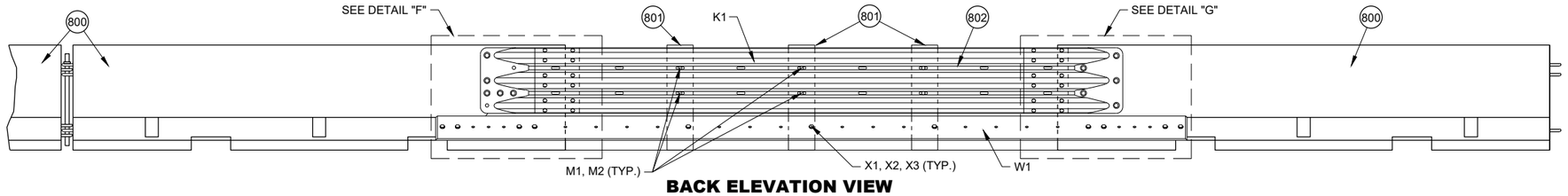
(801) GAP STIFFENER ASSEMBLY

(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

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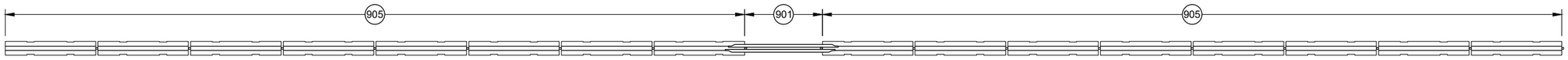
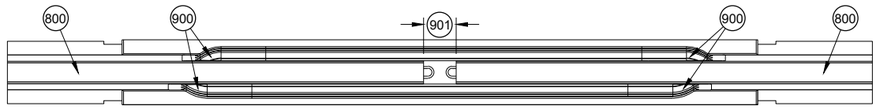
SDD 14B07-16h



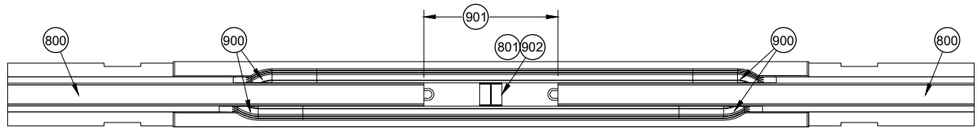
PLAN VIEW
GAP WITHIN SPACING



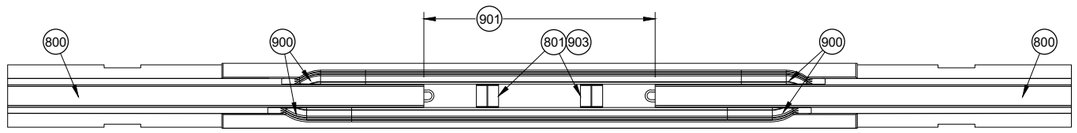
PLAN VIEW
TEMPORARY BARRIER GAP OVER 4" TO 1' MAX. (904)

GENERAL NOTES

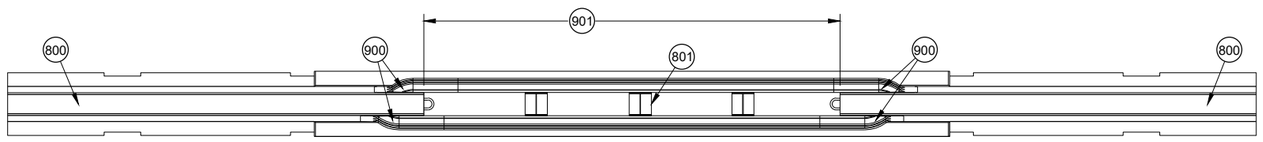
(900) SEE OTHER DETAILS FOR TEMPORARY GAP HARDWARE (TYP.)
(901) TEMPORARY BARRIER GAP
(902) GAP STIFFENER ASSEMBLY CENTERED IN THE GAP.
(903) GAP STIFFENER ASSEMBLY IS OFFSET 18 ¾" FROM CENTER
(904) MINIMUM NUMBER OF GAP STIFFENERS SHOWN FOR THE GAP RANGE SHOWN.
(905) MINIMUM OF 8 CONTINUOUS FREE STANDING 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

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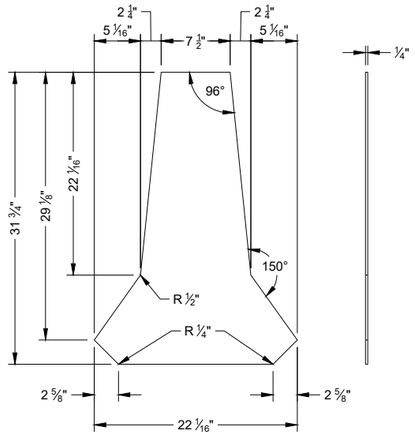
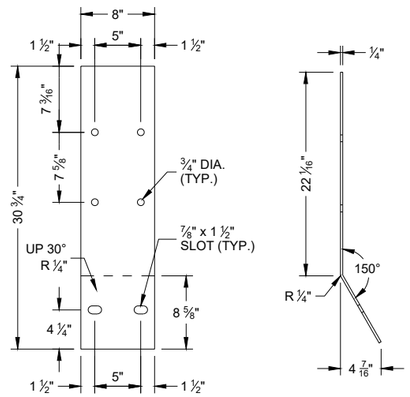
SDD 14B07-16i



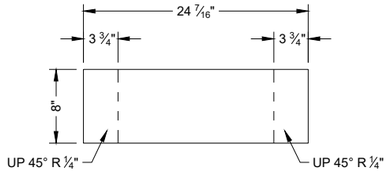
PROFILE VIEW SIDE VIEW

STIFFENER ASSEMBLY CENTER PANEL U1

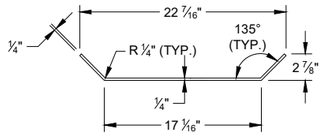


FLAT PATTERN SIDE VIEW

STIFFENER ASSEMBLY SIDE PANEL U2

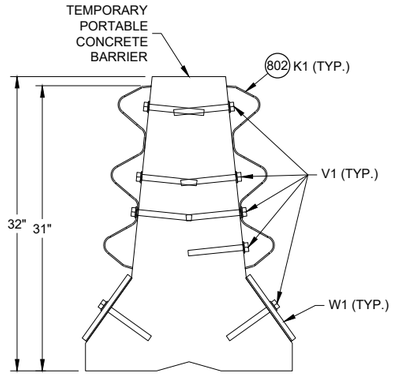


FLAT PATTERN

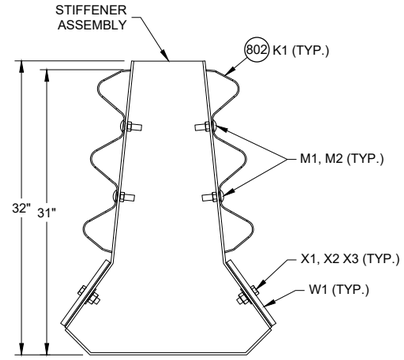


PROFILE VIEW

STIFFENER ASSEMBLY BOTTOM PANEL U3

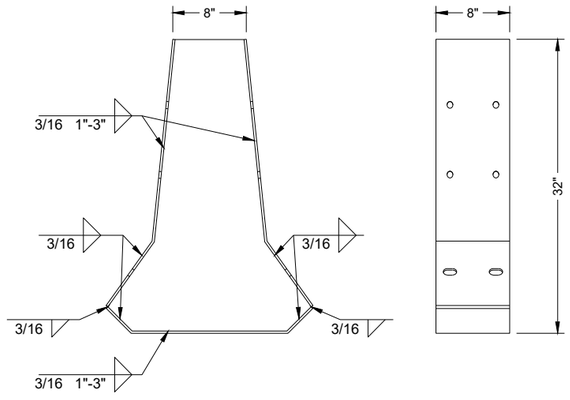


SECTION A - A



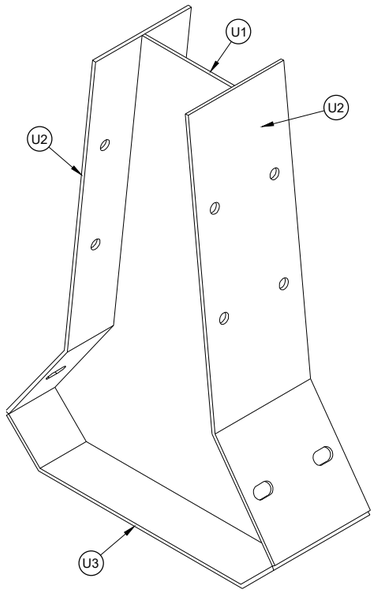
SECTION B - B

PLAN VIEW



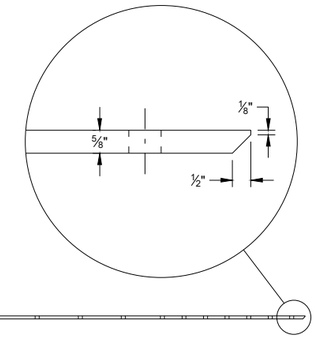
PROFILE VIEW

SIDE VIEW

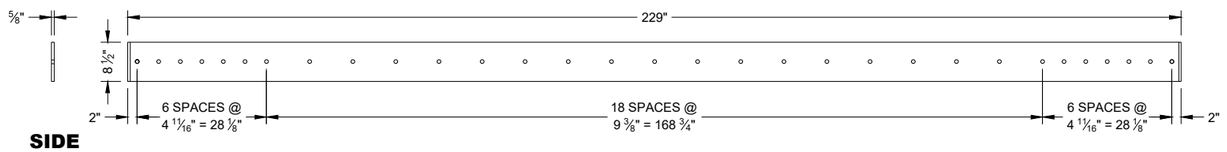


ISOMETRIC

GAP STIFFENER ASSEMBLY



PLAN VIEW



SIDE VIEW

ELEVATION VIEW

W1 TOE PLATE

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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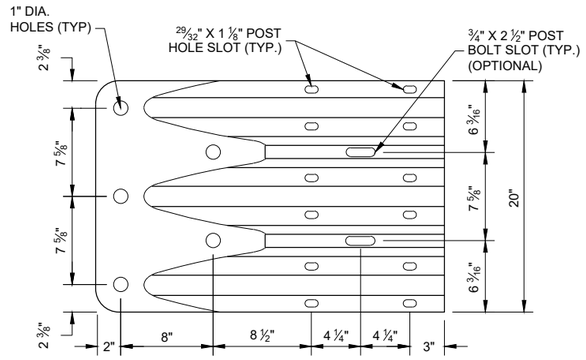
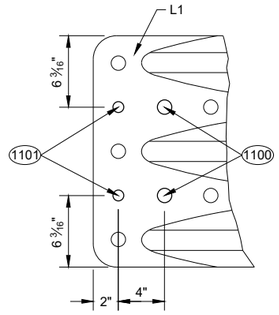


ELEVATION VIEW

THRIE BEAM TERMINAL CONNECTOR



ELEVATION VIEW

ADDITIONAL THRIE BEAM (1102) TERMINAL CONNECTOR HOLE DETAIL

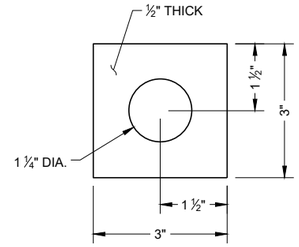


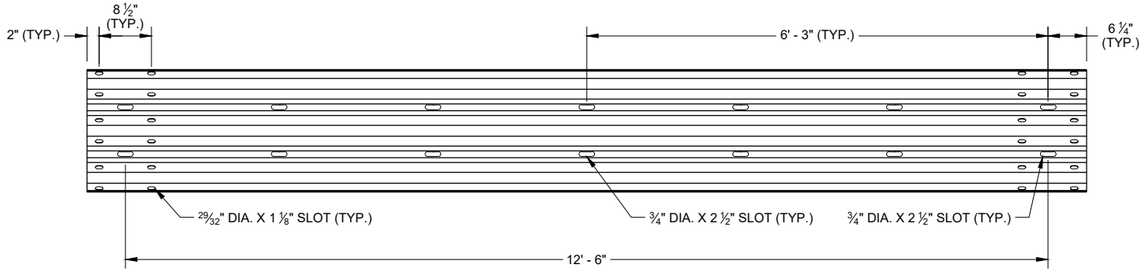
PLATE WASHER DETAIL G2, H3

GENERAL NOTES

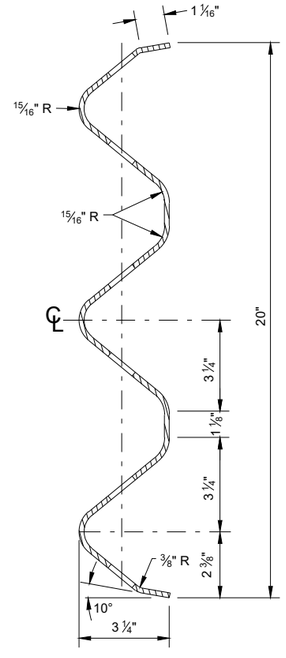
(1100) 1" DIA. HOLE

(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

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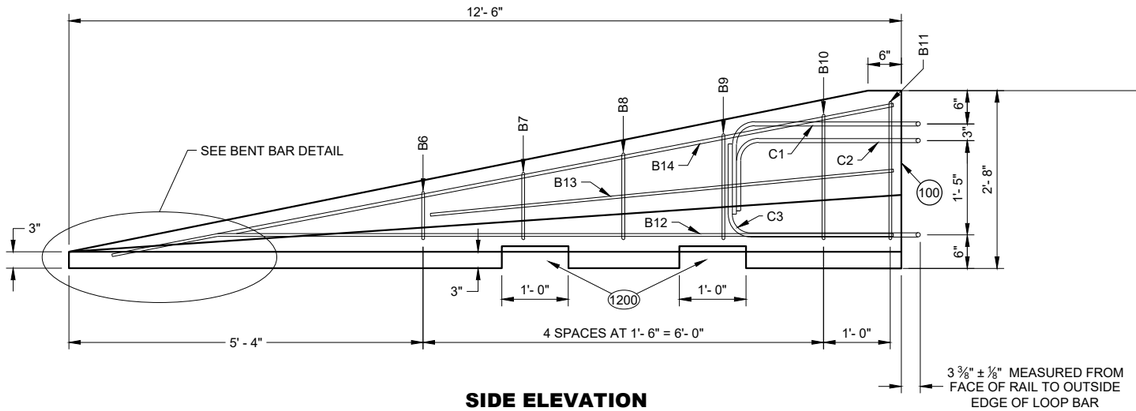
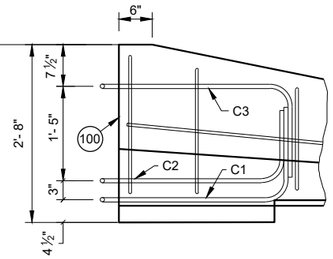


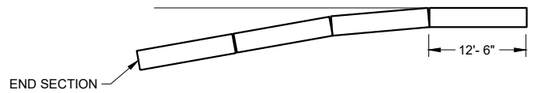
SIDE ELEVATION
(FOR CONNECTION TO LEFT END OF BARRIER)



SIDE ELEVATION
LOOP BAR ASSEMBLY INVERTED FOR OPPOSITE END
(FOR CONNECTION TO RIGHT END OF BARRIER)

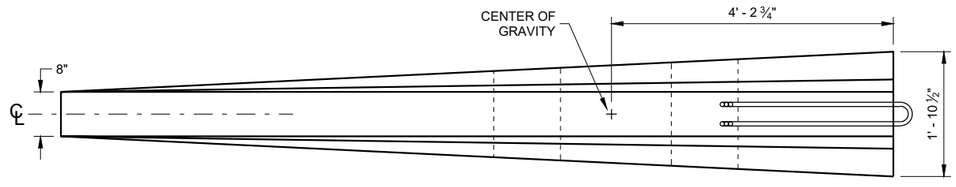
GENERAL NOTES

(1200) SEE LIFTING SLOT DETAIL. LOCATION OF LIFTING SLOTS DETERMINED BY CONTRACTOR.

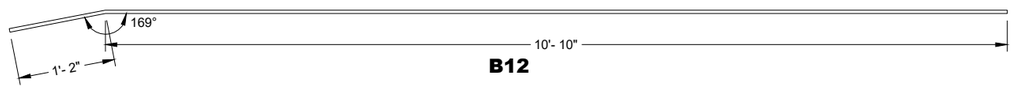


FLARE AT BARRIER END

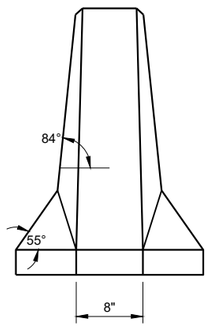
POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1



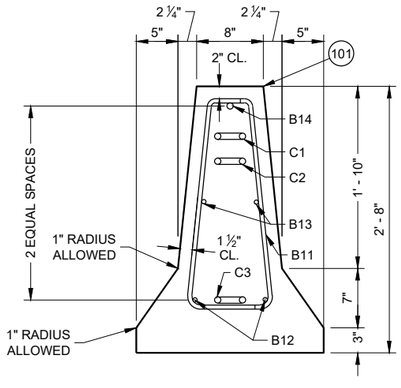
PLAN VIEW



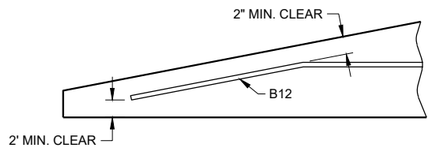
B12



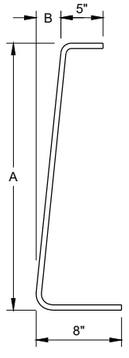
FRONT ELEVATION



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

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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. BOND STRENGTH OF 1,650 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

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SDD 14B07-16m

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B07-16m

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	

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SDD 14B07-16n

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

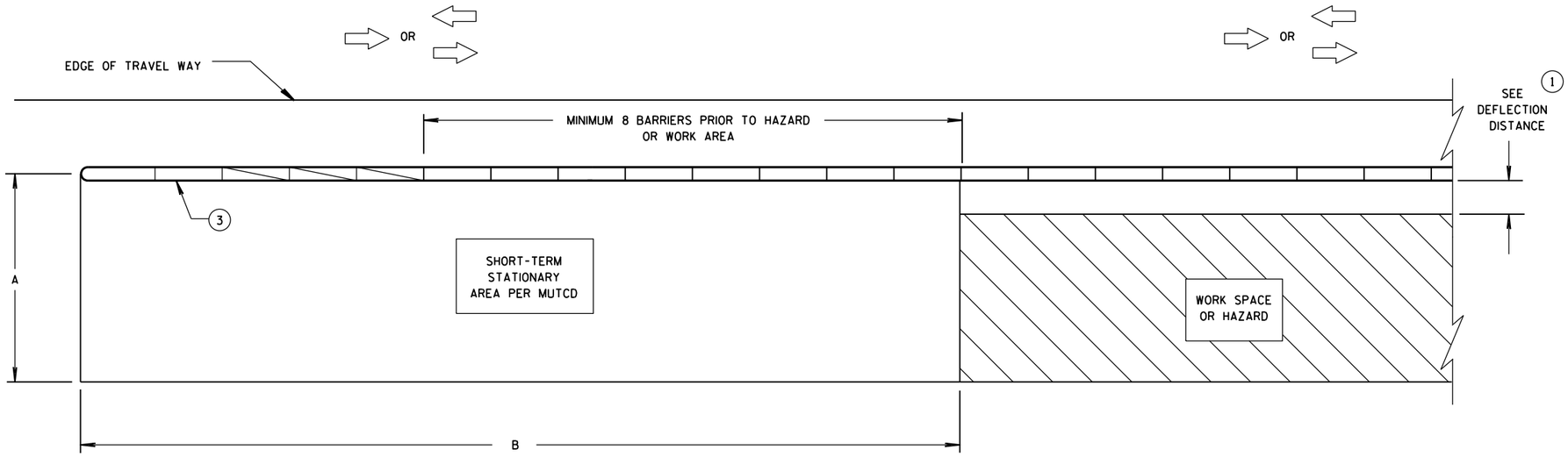
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD 14B07-16n



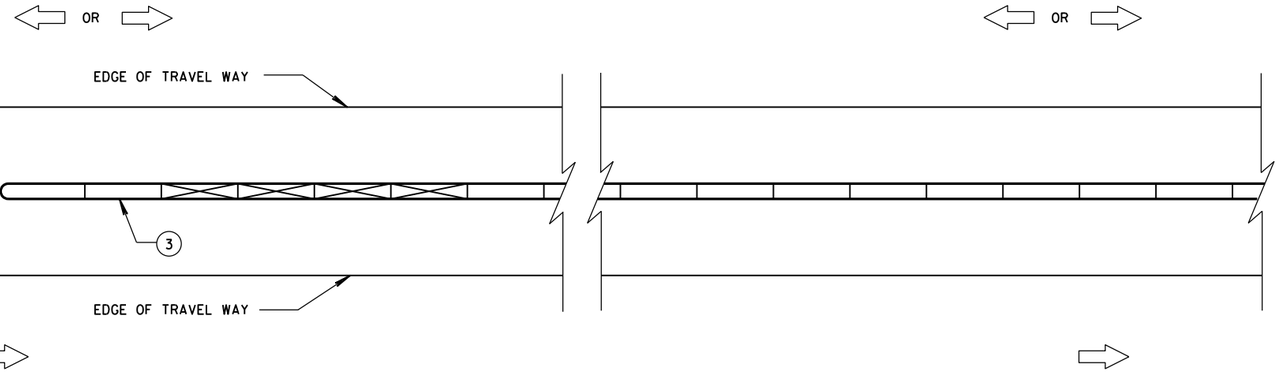
CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER

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

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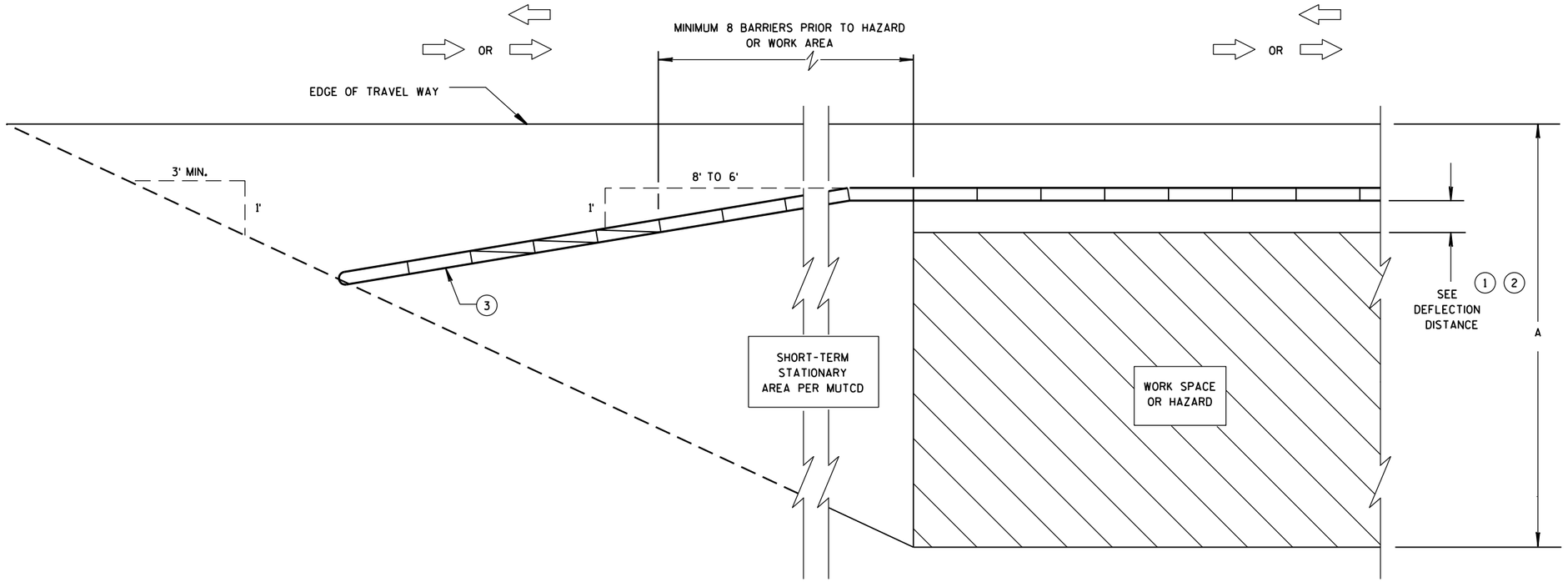
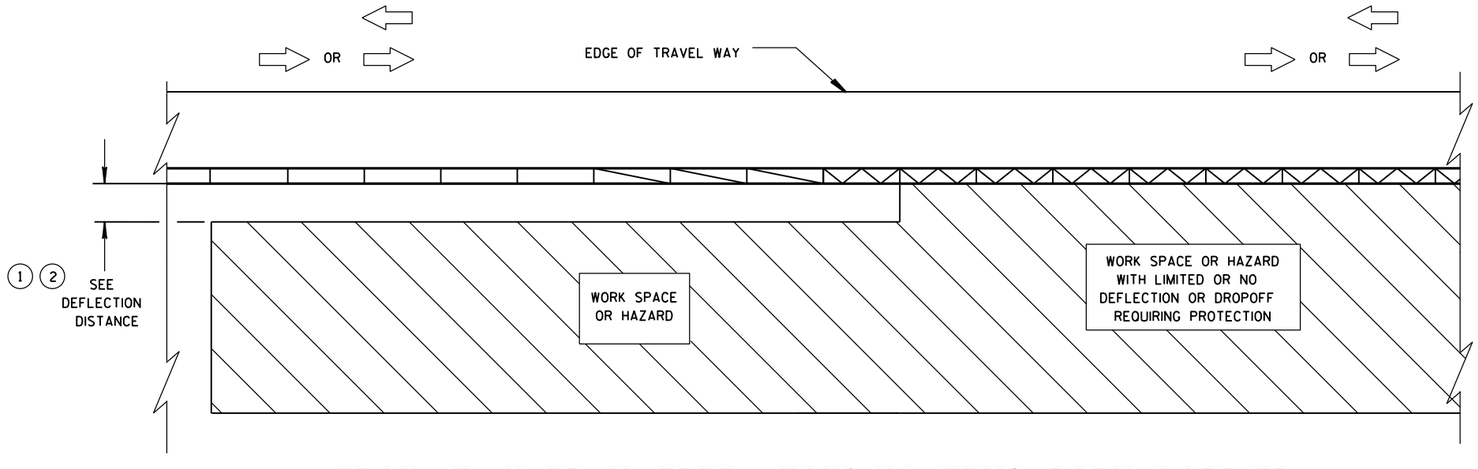
S.D.D. 14 B 8-2a



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE - FLARED INSTALLATION



TRANSITION FROM FREE STANDING TEMPORARY BARRIER TO ANCHORED BARRIER

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI 601

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S.D.D. 14 B 8-2b

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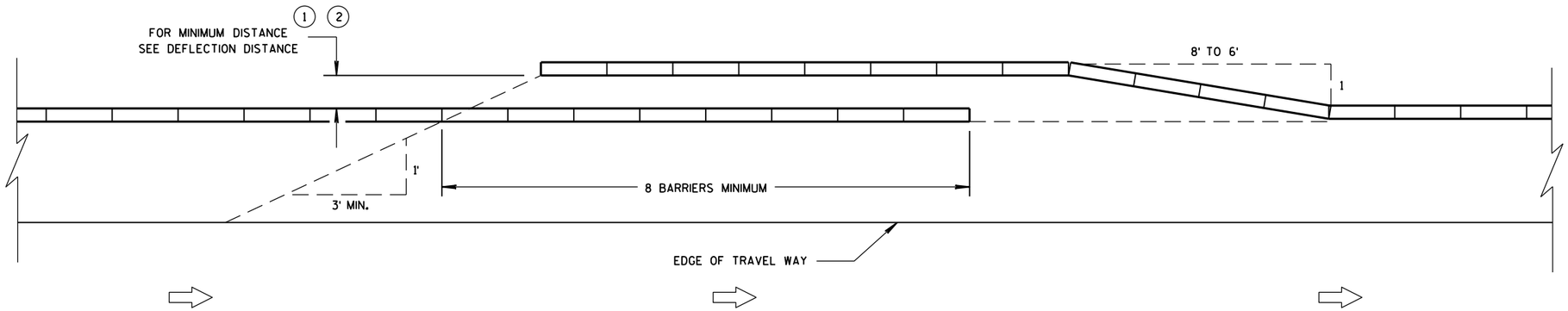
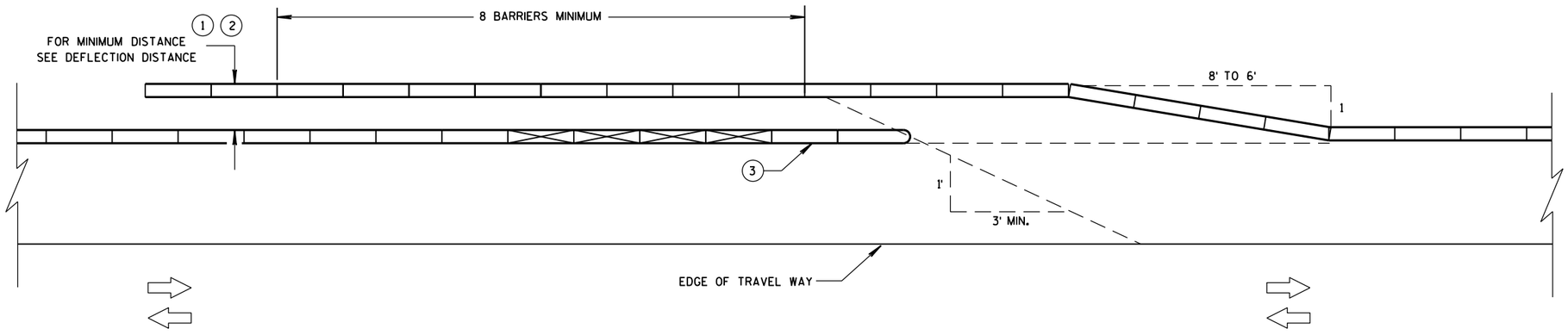
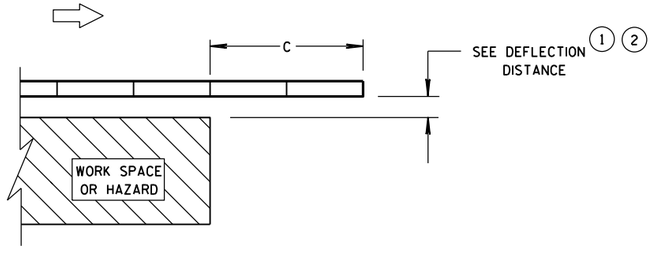
S.D.D. 14 B 8-2b



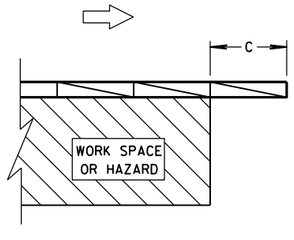
TEMPORARY BARRIER OVERLAP - ONE-WAY TRAFFIC



TEMPORARY BARRIER OVERLAP - TWO-WAY TRAFFIC



ENDING TEMPORARY BARRIER DOWNSTREAM - UNANCHORED



ENDING TEMPORARY BARRIER DOWNSTREAM - ANCHORED

LEGEND

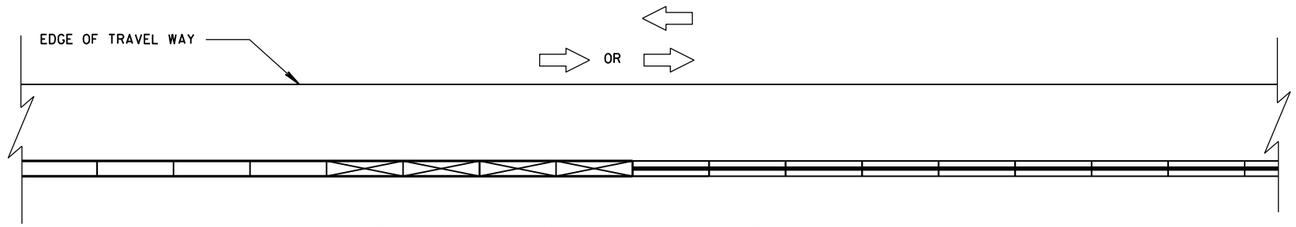
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

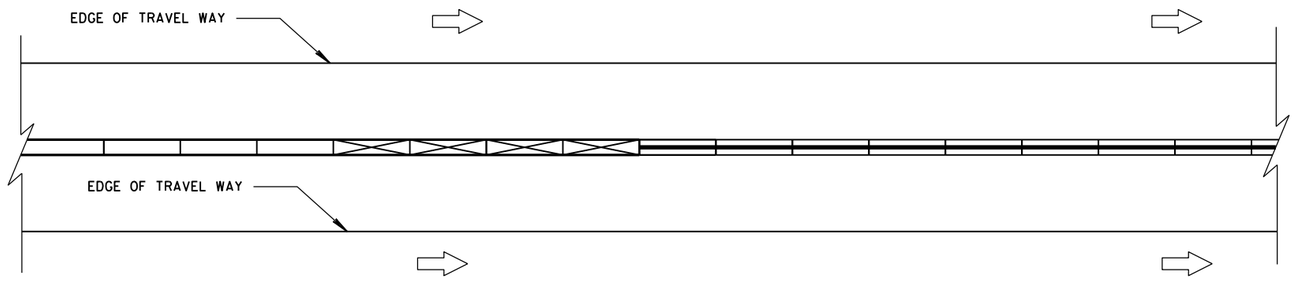
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 8-2c



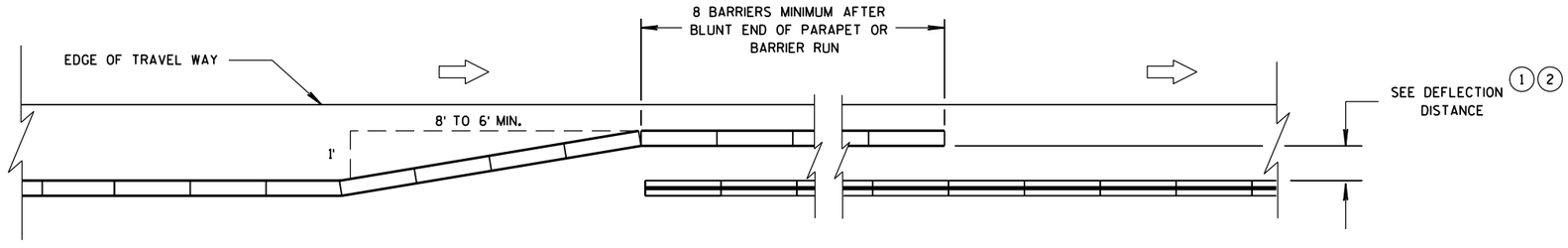
CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON ONE SIDE



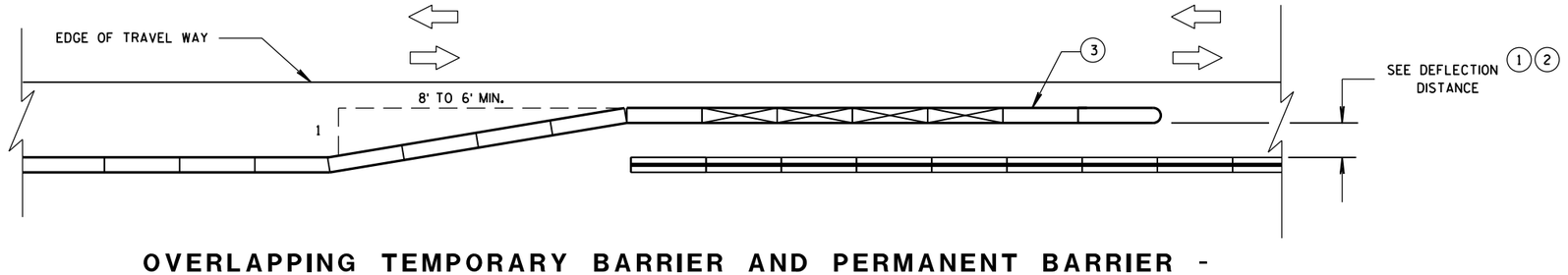
CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON BOTH SIDES

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

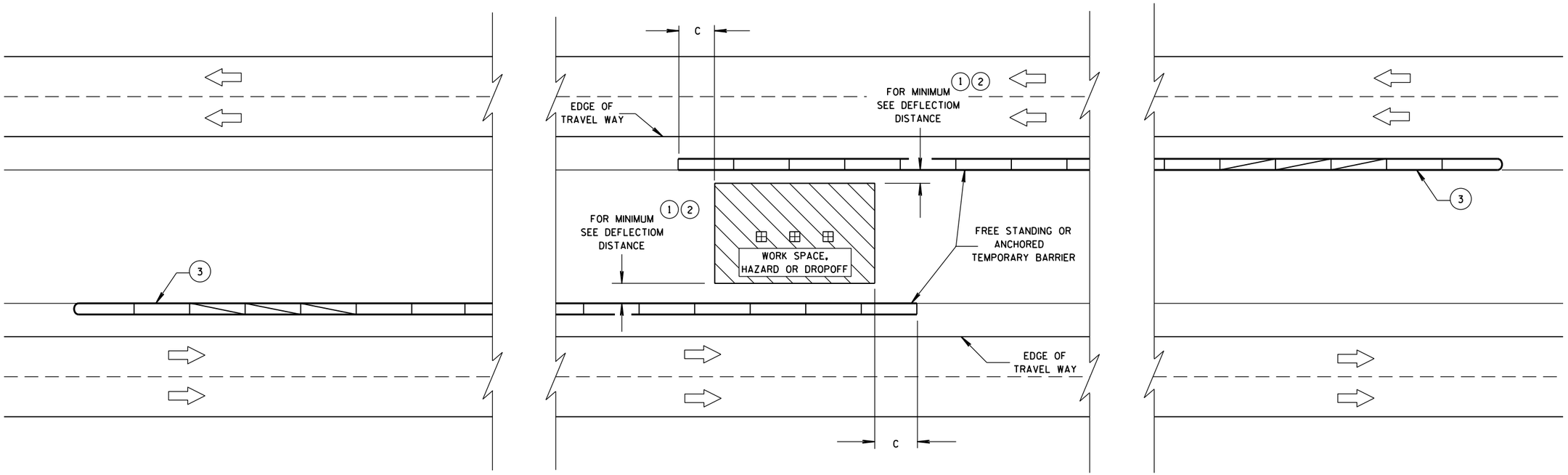
3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

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

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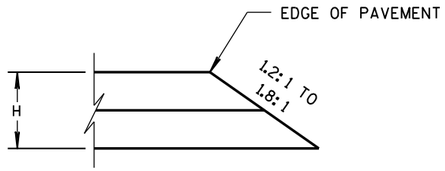
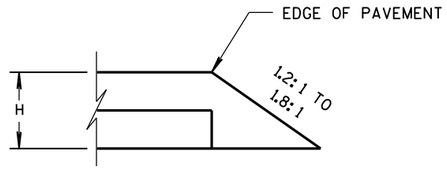
S.D.D. 14 B 8-2e



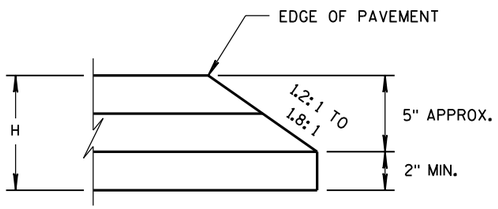
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



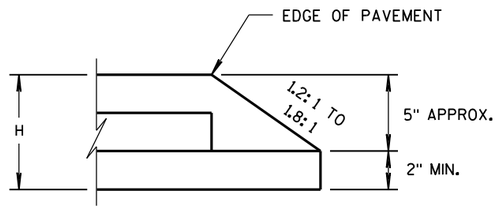
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

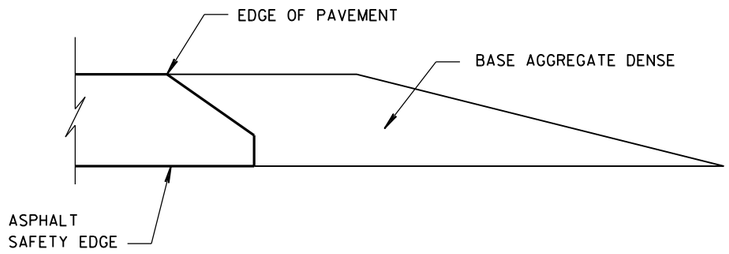
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

6

6

S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/2012
DATE

/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

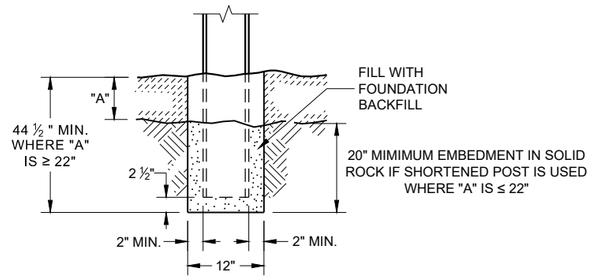
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

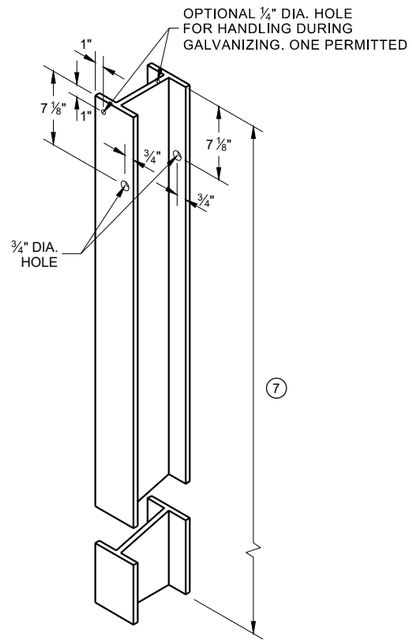
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

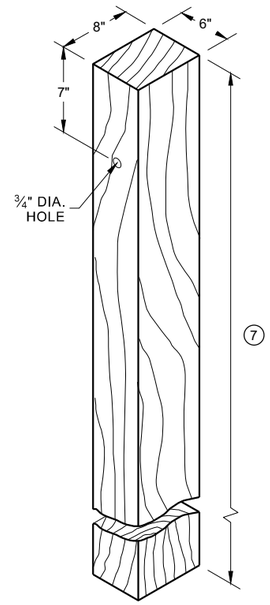
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



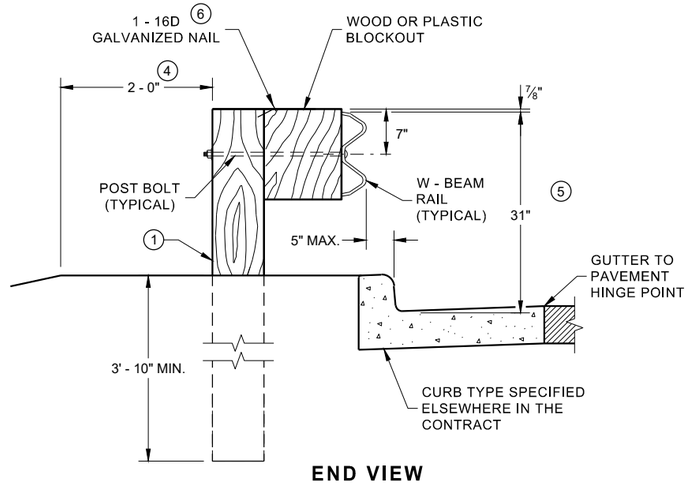
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



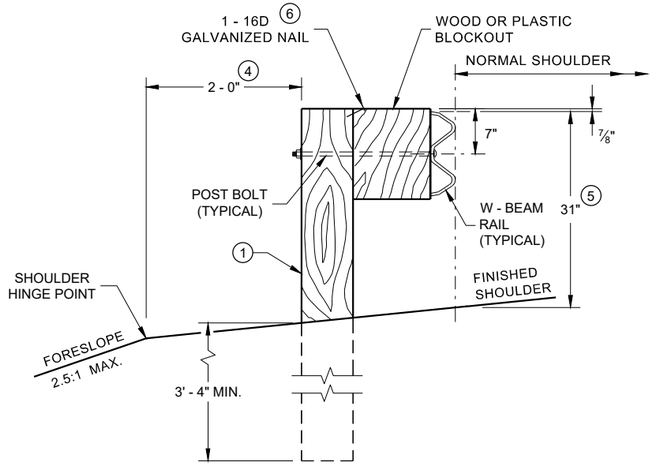
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



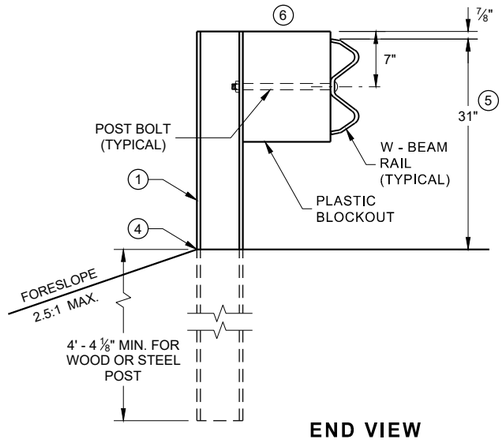
WOOD POST (6" X 8") NOMINAL (1)



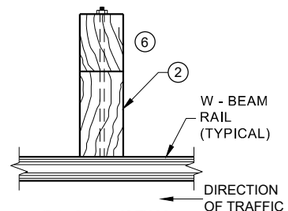
END VIEW
LOCATED ALONG A CURBED ROADWAY



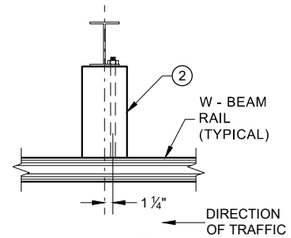
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



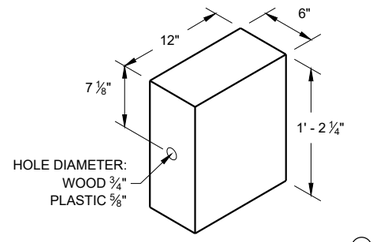
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B42 - 07a

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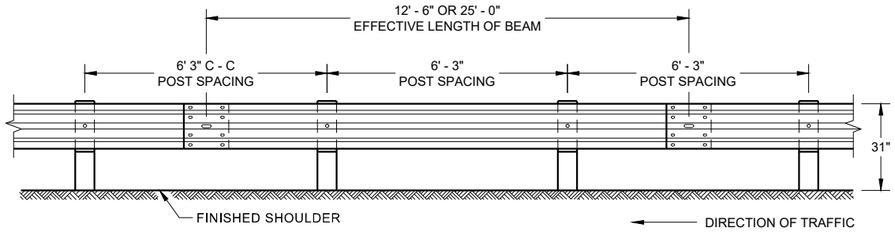
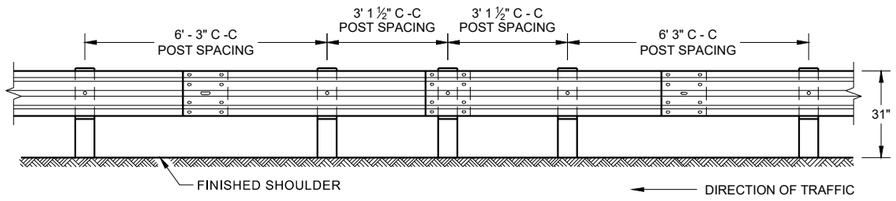
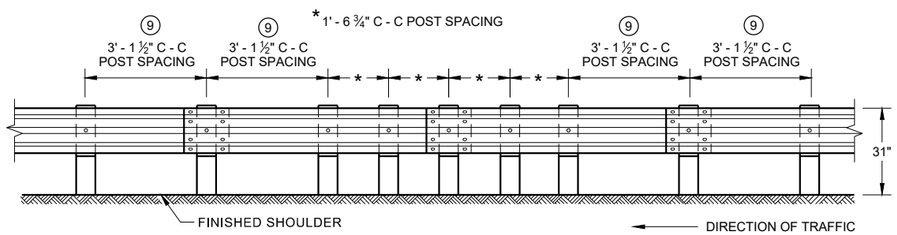
SDD 14B42 - 07a



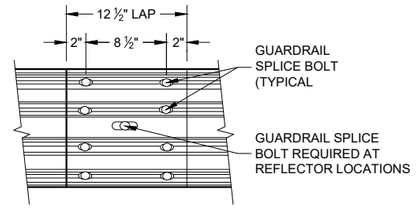
FRONT VIEW
POST SPACING STANDARD INSTALLATION



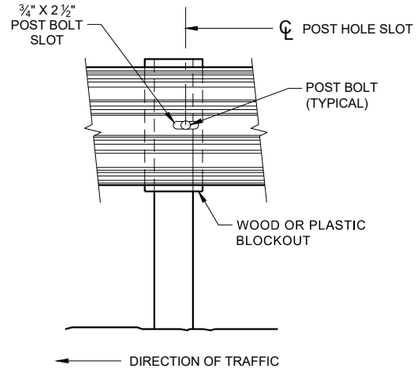
FRONT VIEW
HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)



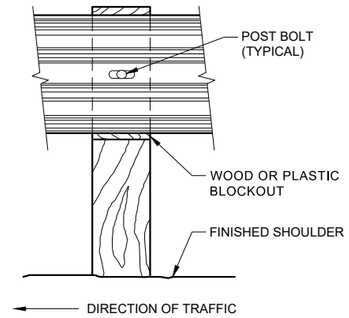
FRONT VIEW
QUARTER POST SPACING (QS)



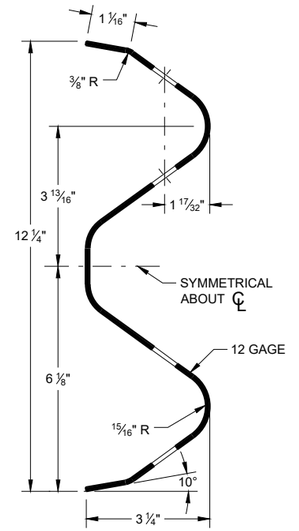
FRONT VIEW
MID-SPAN BEAM SPLICE



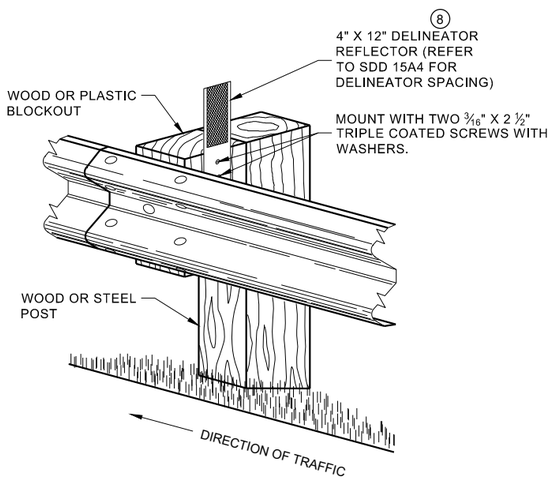
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

GENERAL NOTES

⑧ DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

⑨ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

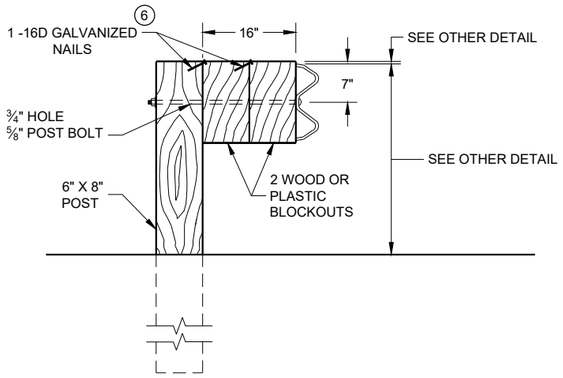
POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 14B42 - 07b

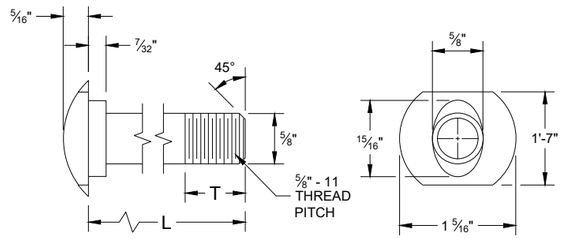


DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

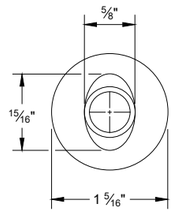
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3/16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

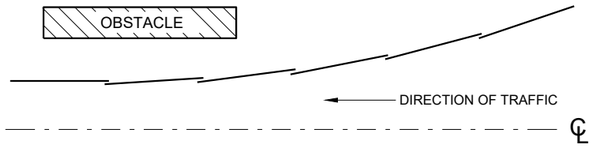


POST BOLT TABLE

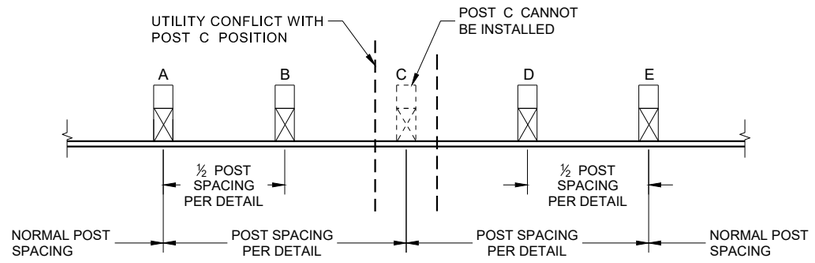
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"



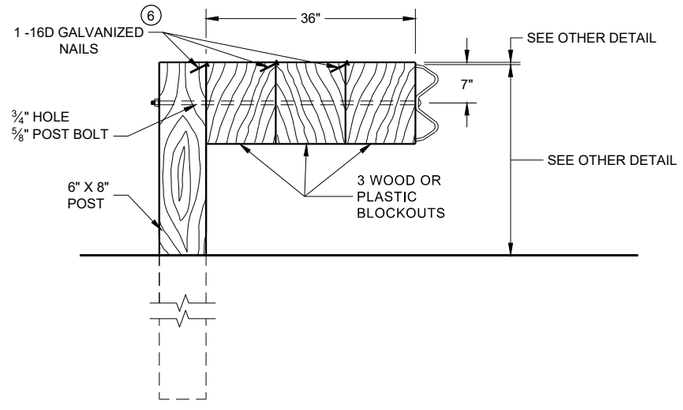
ALTERNATE BOLT HEAD



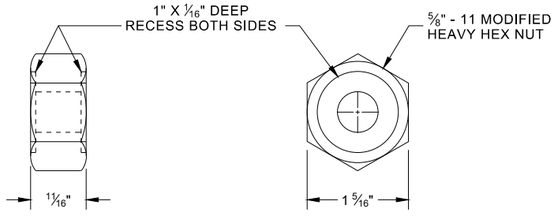
PLAN VIEW
BEAM LAPPING DETAIL



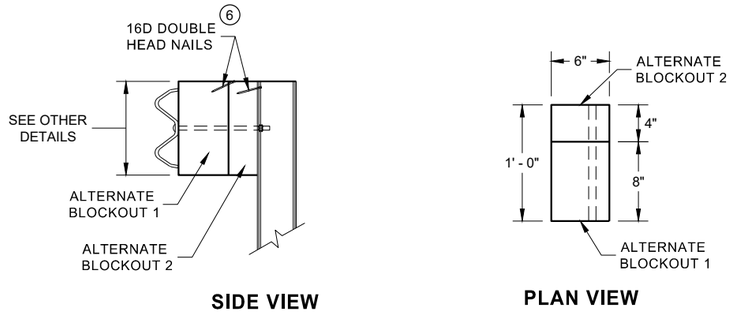
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW

PLAN VIEW

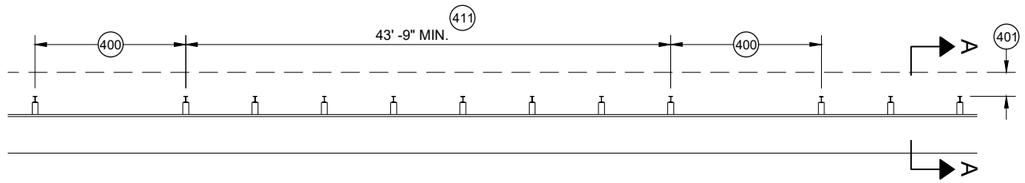
ALTERNATE WOOD BLOCKOUT DETAIL

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

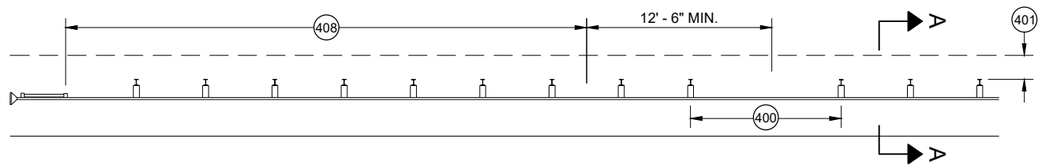
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

(6) WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

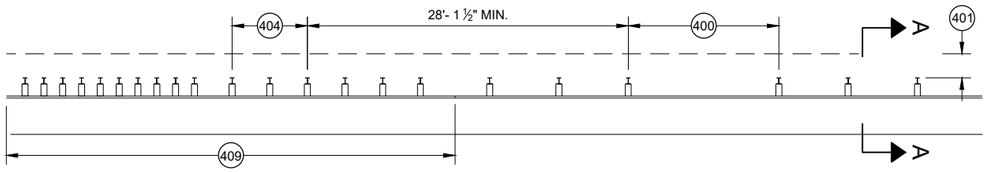
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL



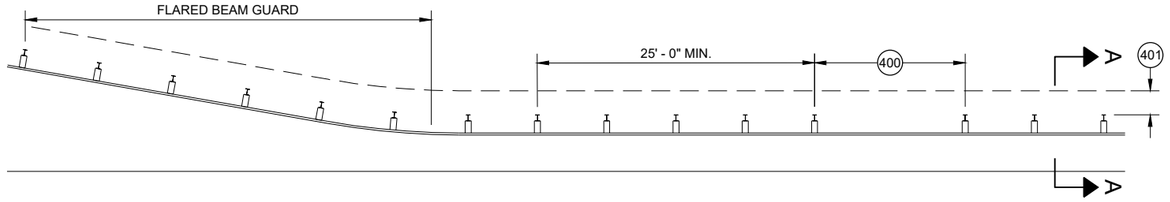
MISSING POST IN MGS GUARDRAIL



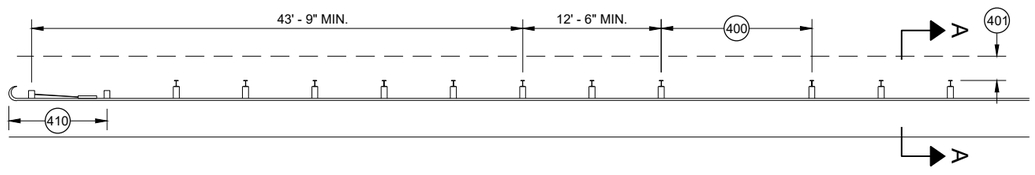
MISSING POST IN MGS GUARDRAIL NEAR EAT



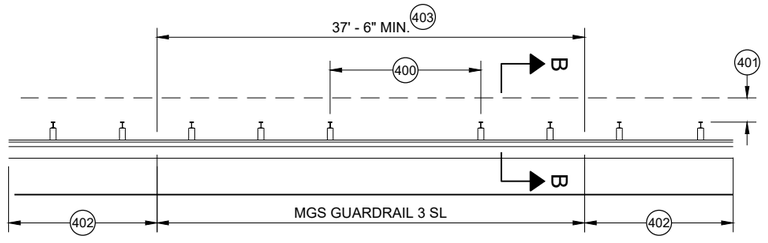
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

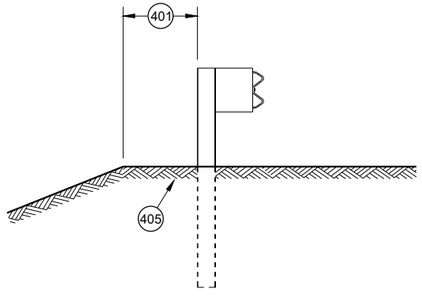


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

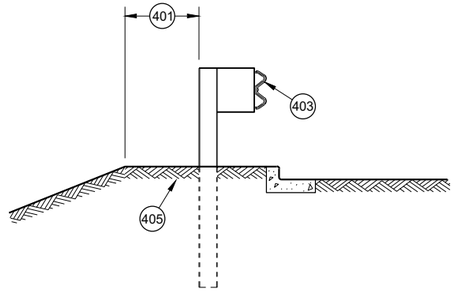


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

(400) MAX SPAN 12' - 6"
(401) 2' MIN.
(402) MGS GUARDRAIL 3
(403) NESTING BEAM GUARD
(404) ASYMMETRIC TRANSITION
(405) SOIL WELL DRAINED AND COMPACTED
(406) SEE OTHER DRAWINGS IN THIS SDD
(407) SEE OTHER DRAWINGS FOR MIN. SPACING BETWEEN SPANS
(408) SEE SDD 14B44
(409) SEE SDD 14B45
(410) SEE SDD 14B47
(411) MINIMUM DISTANCE BETWEEN MISSING POST SPANS.



SECTION A - A 406



SECTION B - B 406

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

6

SDD 14B42 - 07d

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED

(C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

(D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

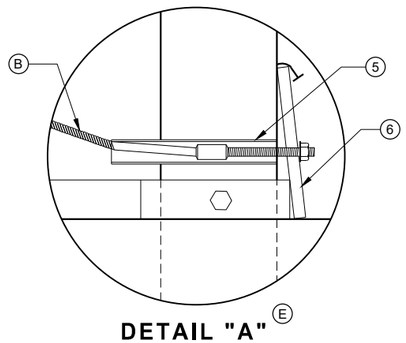
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

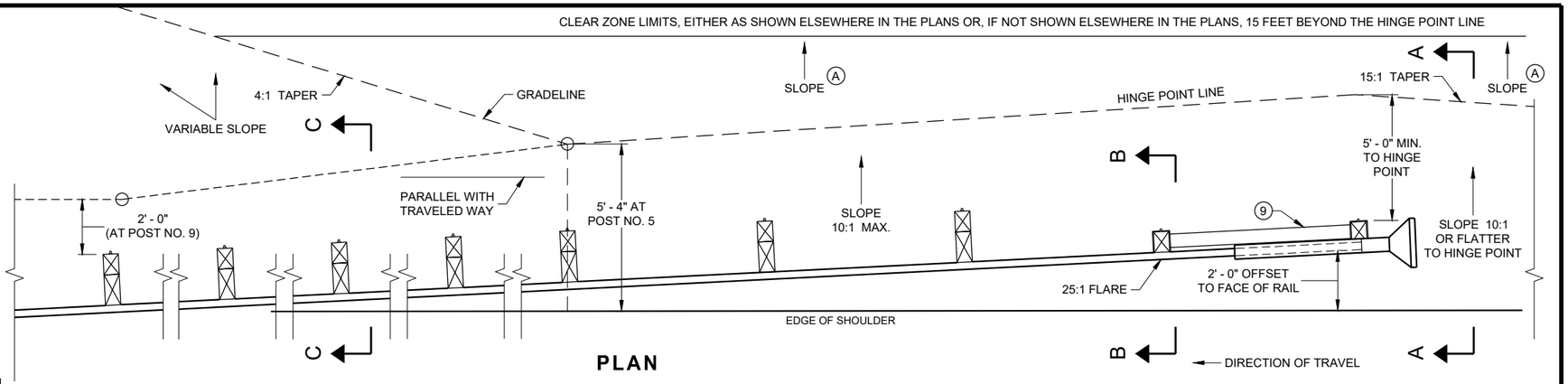
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

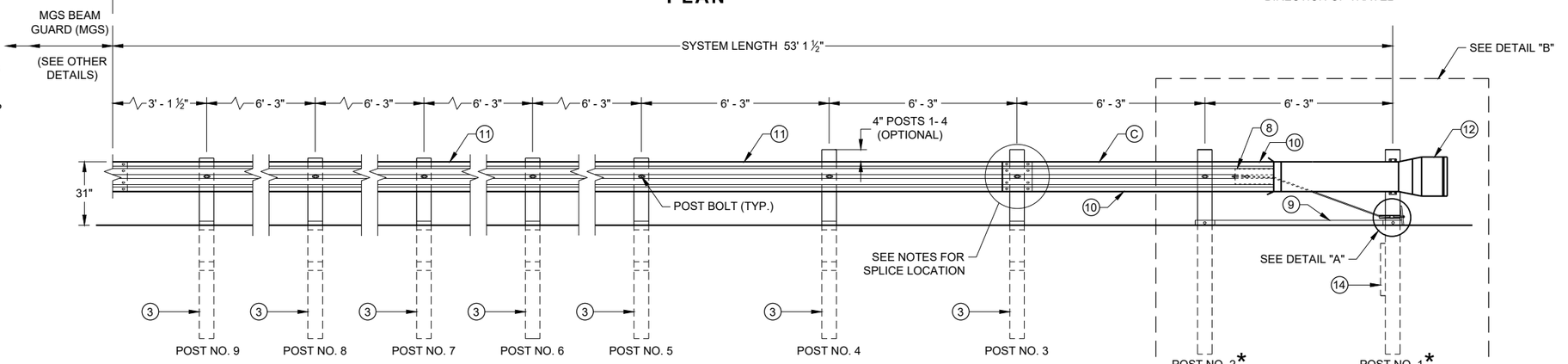
THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.



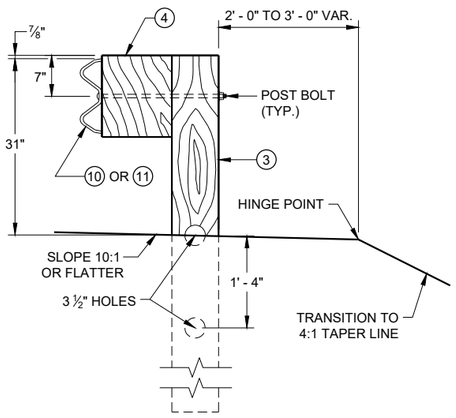
DETAIL "A" (E)



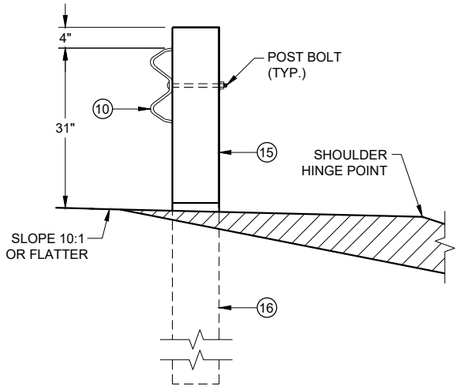
PLAN



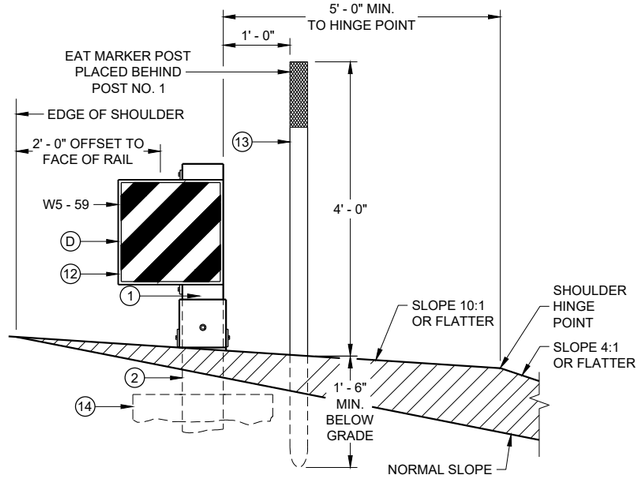
ELEVATION



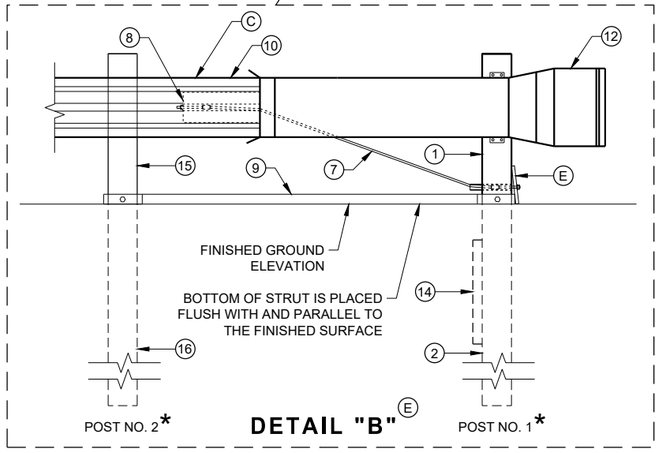
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



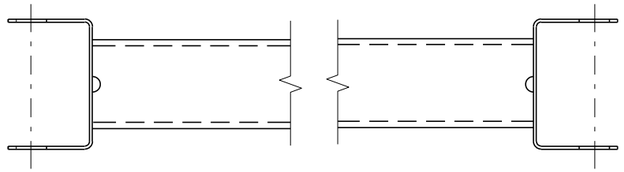
DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

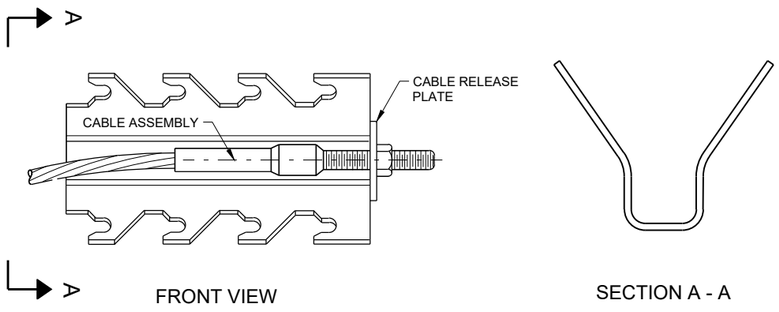
SDD 14B44 - 04a



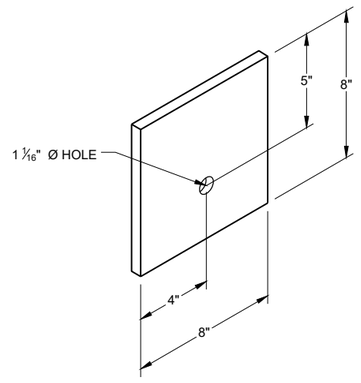
GENERIC GROUND STRUT ⑨ Ⓔ

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUGACTURER'S DETAILS FOR MORE INFORMATION.
①	UPPER POST NO. 1 6" X 6" TUBE
②	LOWER POST NO. 1
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	IMPACT HEAD
⑬	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
⑭	SOIL PLATE
⑮	UPPER POST NO. 2
⑯	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX ⑧ Ⓔ



BEARING PLATE ⑥ Ⓔ

6

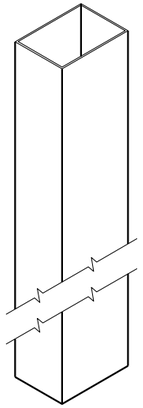
6

SDD 14B44 - 04b

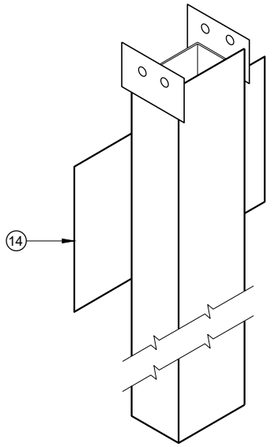
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



UPPER POST NO. 1 (1) (E)



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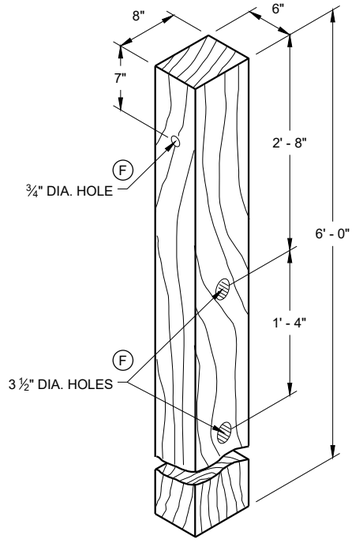
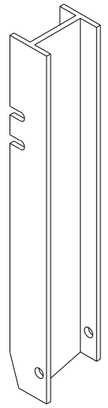


WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



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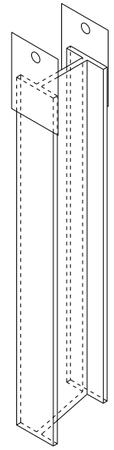

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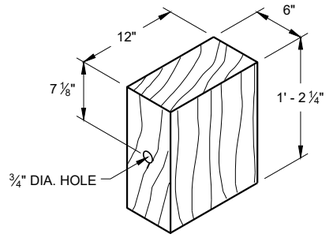
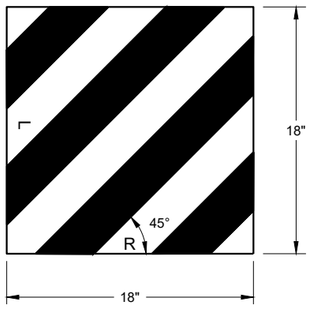
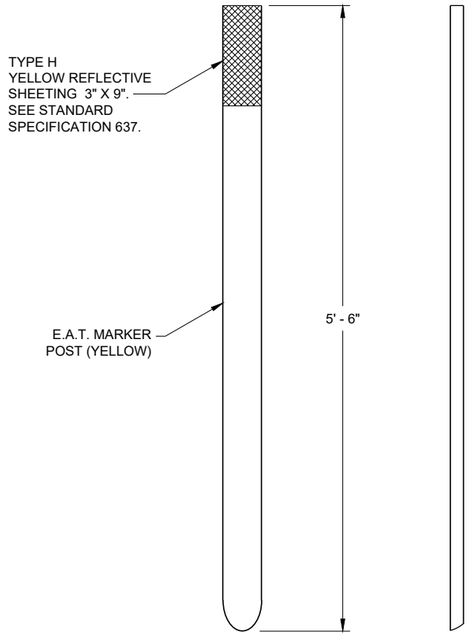


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



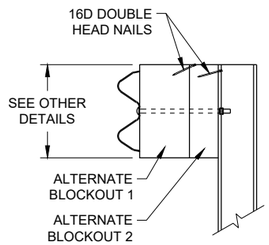
W5 - 59

REFLECTIVE SHEETING DETAIL (E)

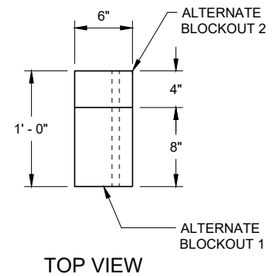


FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW



TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

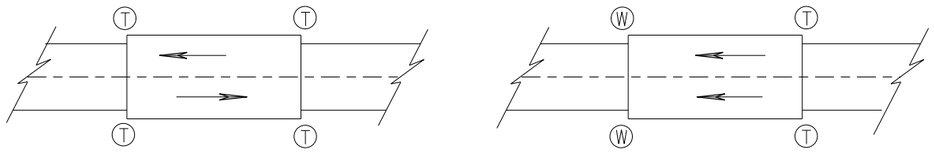
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

6

SDD 14B44 - 04c



TWO WAY TRAFFIC

ONE WAY TRAFFIC

(T) THRIE BEAM CONNECTION

(W) W-BEAM CONNECTION WHEN REQUIRED

TYPICAL LOCATIONS OF THRIE BEAM AND W-BEAM CONNECTIONS TO BRIDGE

GENERAL NOTES

IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2½", AND 12" DIAMETER AROUND POST. SEE 14B42 FOR MORE DETAILS.

TRANSITION USES STEEL POSTS ONLY.

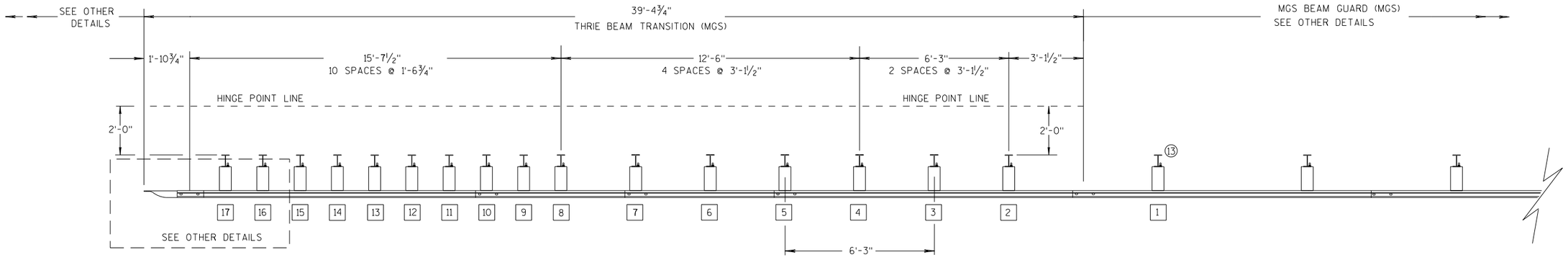
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

POST 2 THROUGH 17 USES STEEL POST ONLY

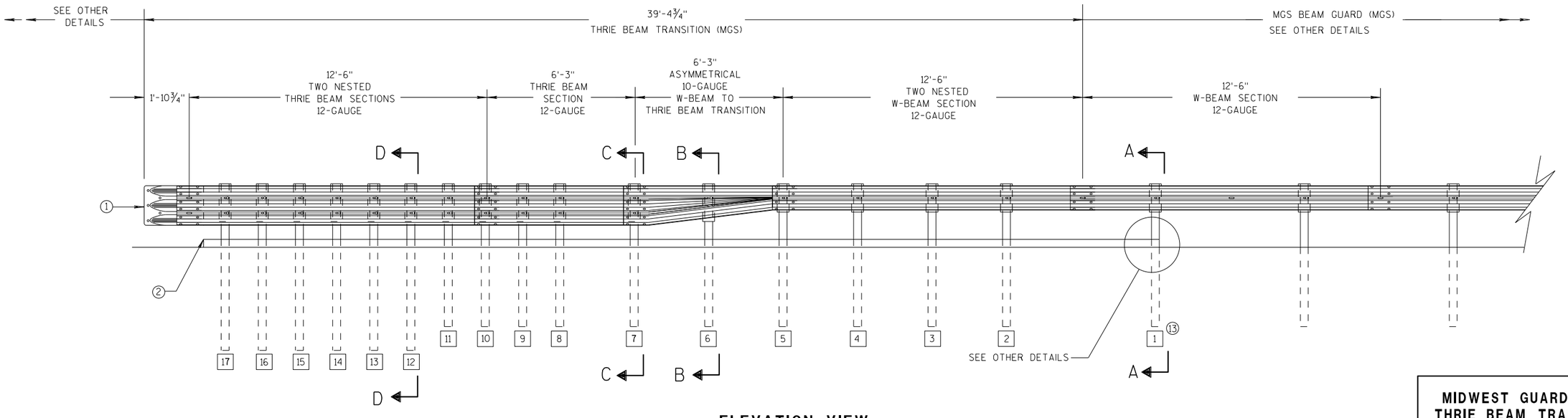
(1) BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD14B42



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOF 613

6

S.D.D. 14 B 45-5a

6

S.D.D. 14 B 45-5a

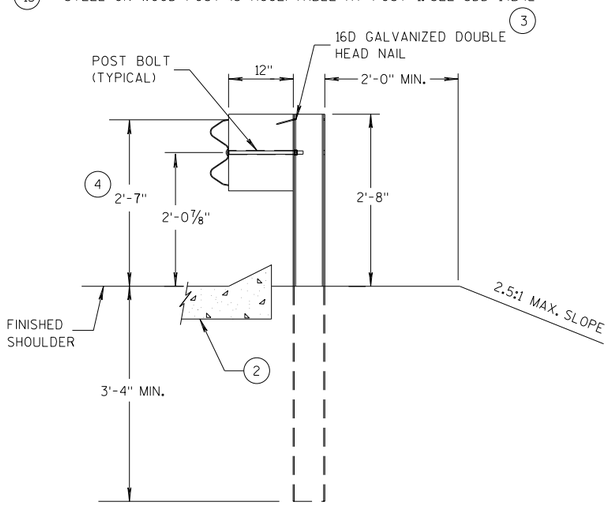
GENERAL NOTES

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 10D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

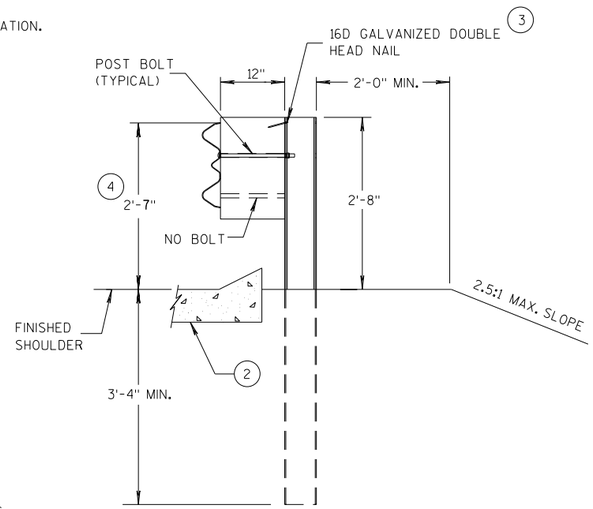
(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42



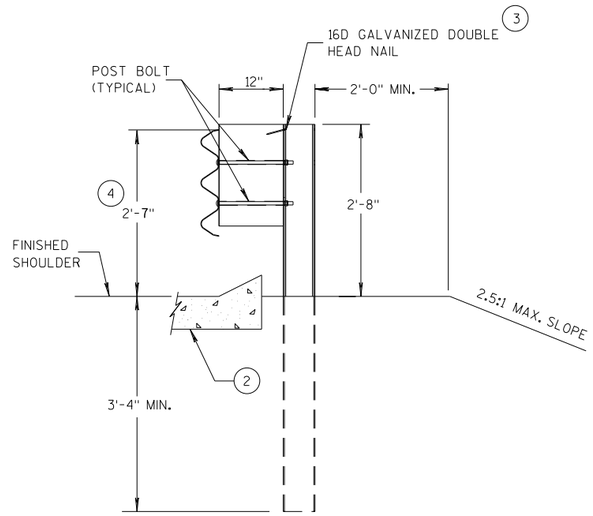
SECTION A-A (13)

POSTS 1-5



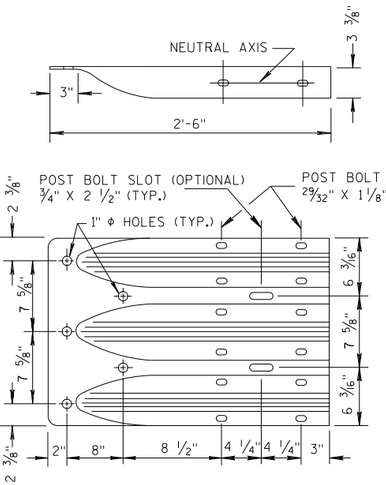
SECTION B-B

POST 6

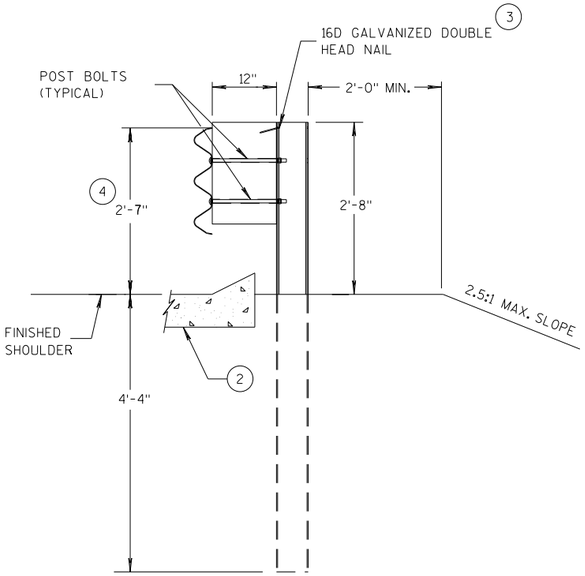


SECTION C-C

POSTS 7-11

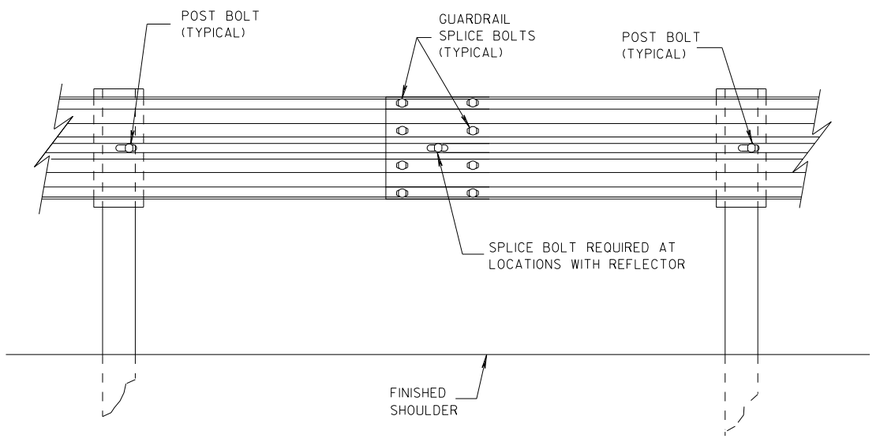


THRIE BEAM TERMINAL CONNECTOR



SECTION D-D

POSTS 12-17



SPLICE DETAIL

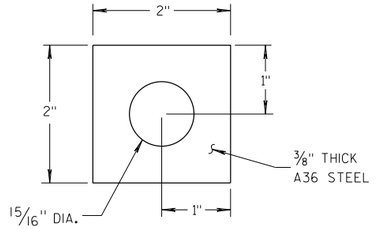
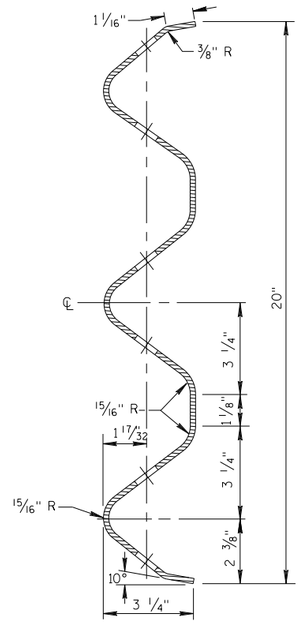


PLATE WASHER DETAIL



SECTION THRU THRIE BEAM RAIL ELEMENT

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

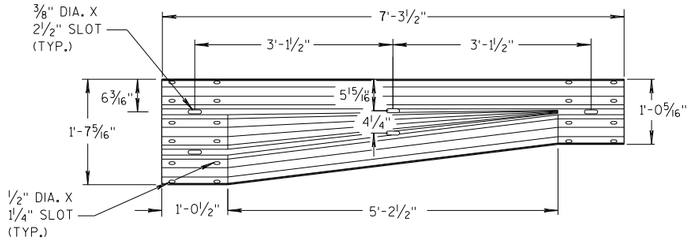
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOF 614

6

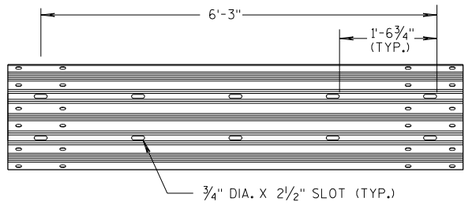
S.D.D. 14 B 45-5b

6

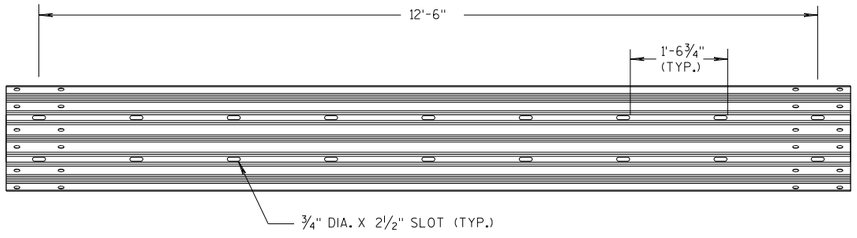
S.D.D. 14 B 45-5b



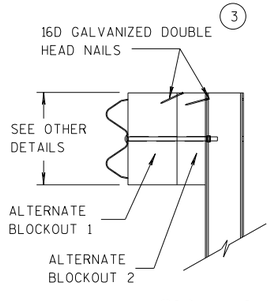
W-BEAM TO THRIE BEAM TRANSITION SECTION



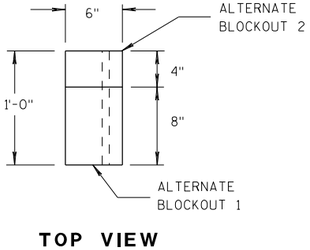
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

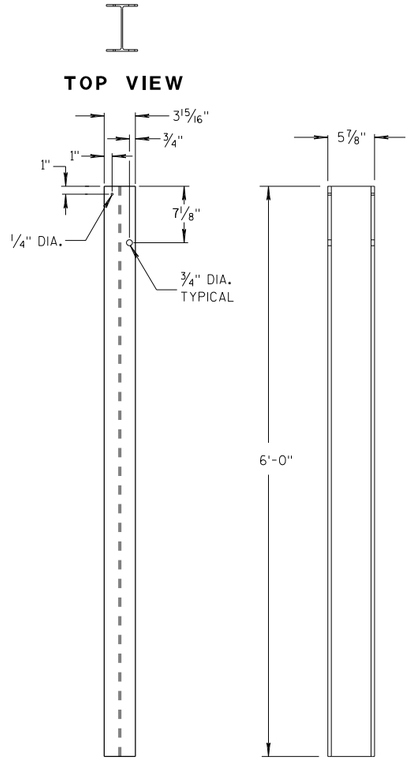


SIDE VIEW



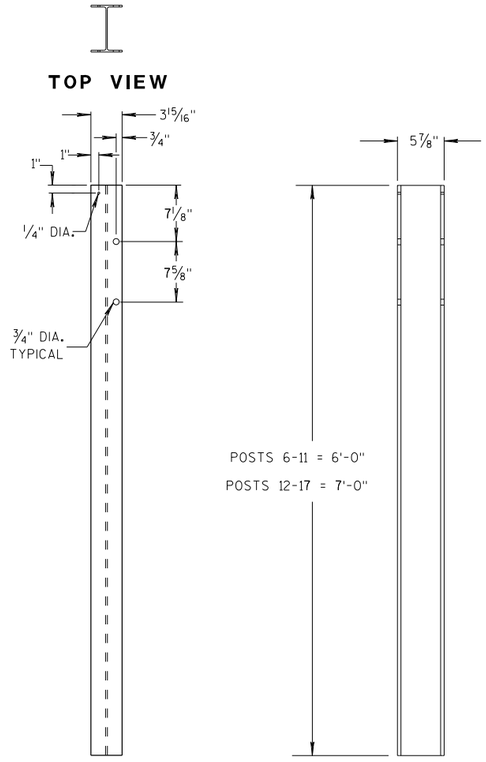
TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL



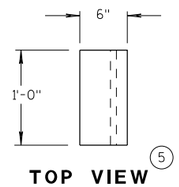
FRONT VIEW SIDE VIEW

STEEL POSTS 1-5 (13)

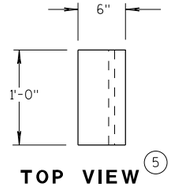


FRONT VIEW SIDE VIEW

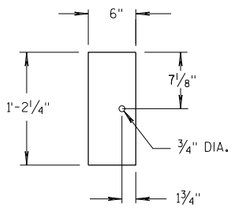
STEEL POSTS 6-17



TOP VIEW (5)

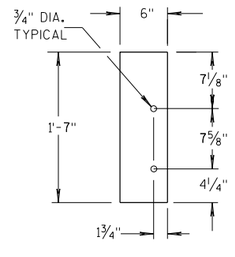


TOP VIEW (5)



FRONT VIEW

BLOCKOUT POSTS 1-5



FRONT VIEW

BLOCKOUT POSTS 6-17

GENERAL NOTES

STEEL POSTS ARE W6X9 OR W6X8.5.

BOLT HOLES FOR POST ARE ON FRONT AND OF SIDE OF POST.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

(5) WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOF 615

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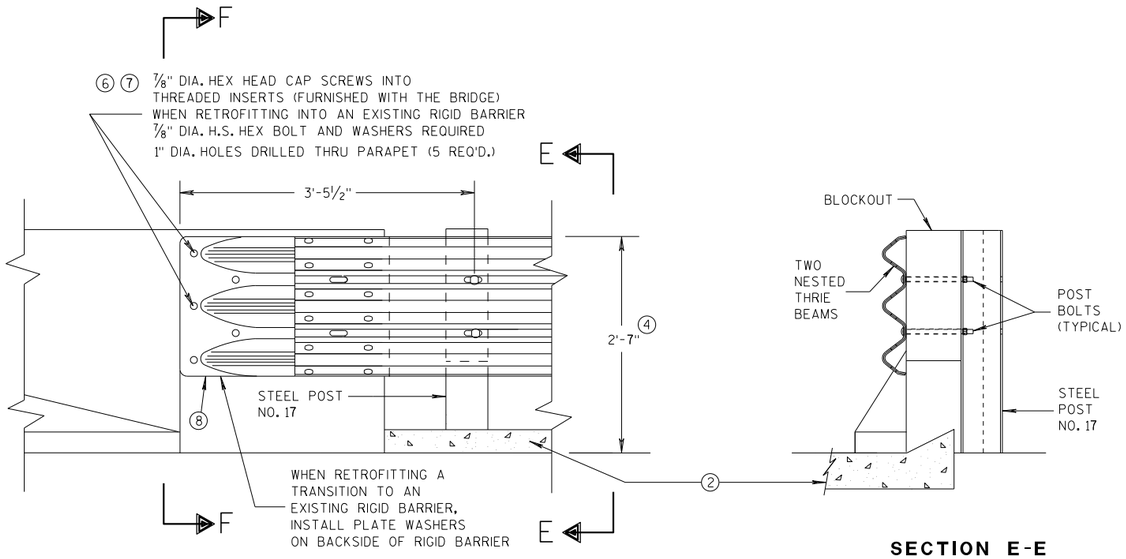
S.D.D. 14 B 45-5c



FRONT VIEW

SECTION E-E

THRIE BEAM CONNECTION TO BRIDGE PARAPET WITH SQUARE ENDS

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

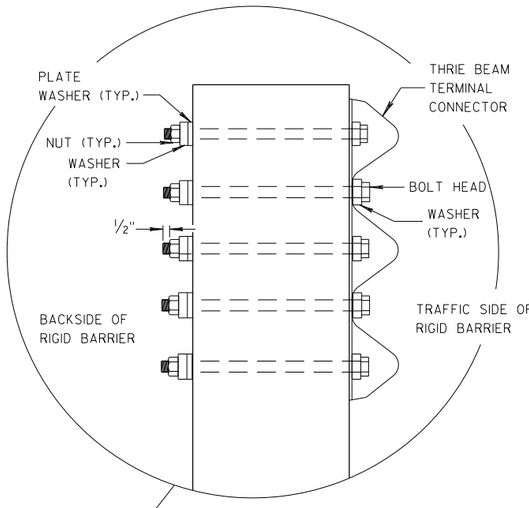
② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

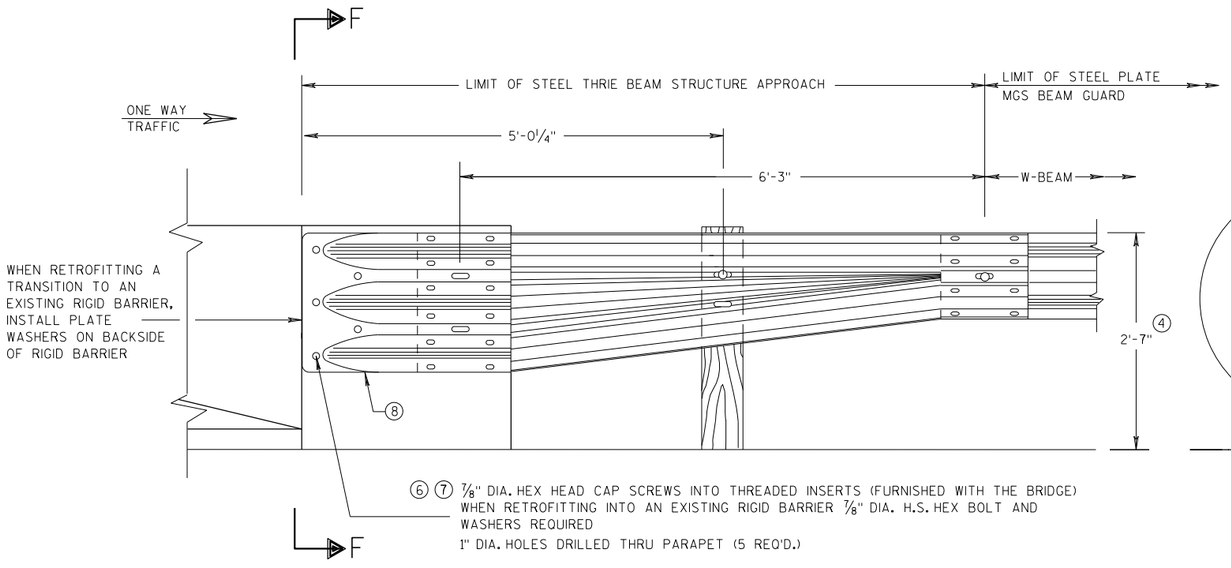
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

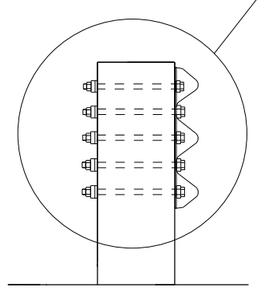
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

⑧ THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2".

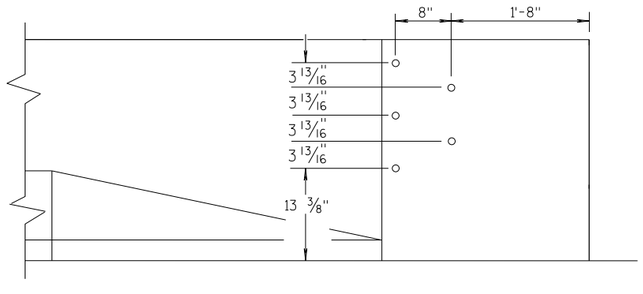




FRONT VIEW



SECTION F-F



DRILL HOLE LOCATION

W BEAM TRANSITION AND CONNECTION TO BRIDGE PARAPETS WITH SQUARE ENDS

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018 DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D UNIT SUPERVIS NT
FHWA

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S.D.D. 14 B 45-5d

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S.D.D. 14 B 45-5d

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

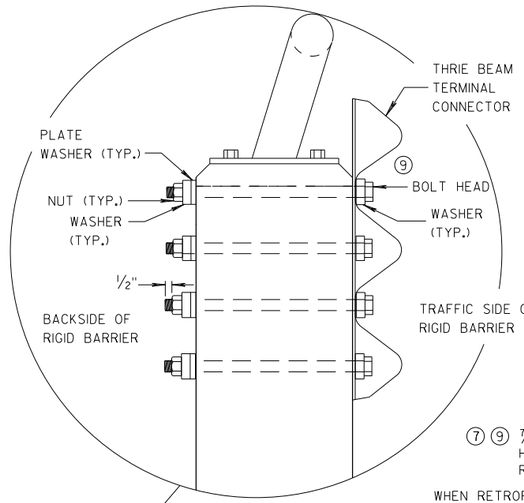
(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

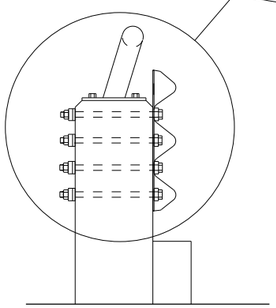
(6) DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

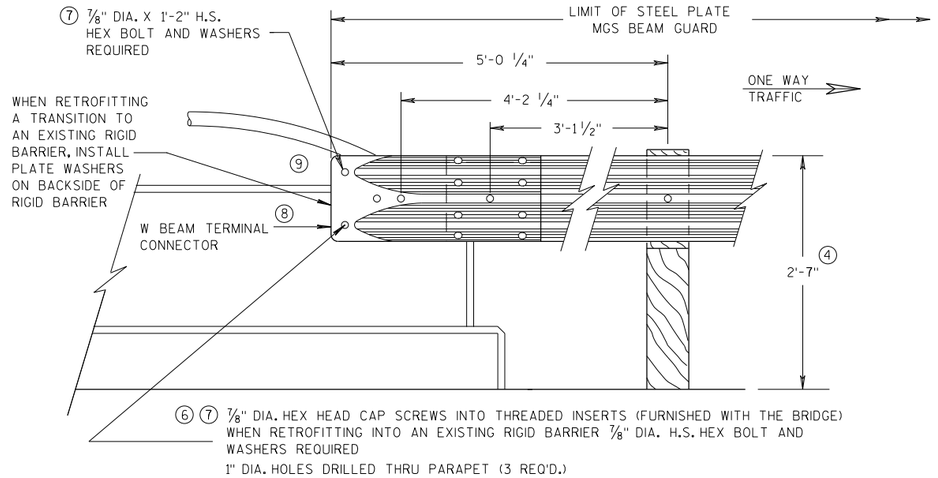
(8) THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 ½".

(9) BOLT, NUT AND WASHERS NOT REQUIRED FOR THIS LOCATION WHEN RETROFITTING AN EXISTING PAPAPET AND THE HOLE IS EITHER ABOVE PARAPET OR WITHIN 4 INCHES OF THE EDGE OF PARAPET.





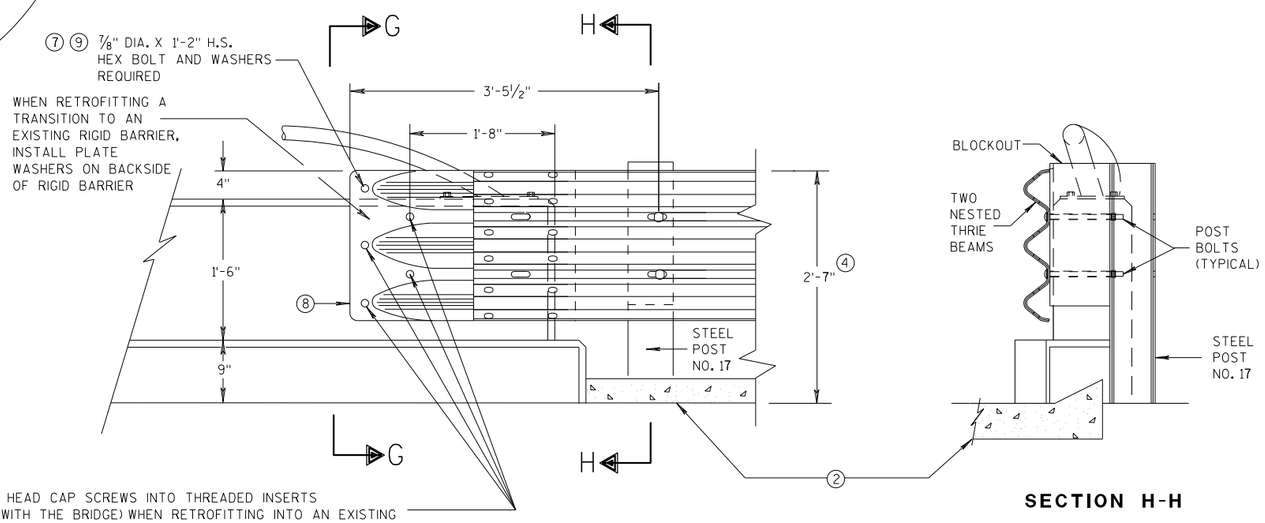
SECTION G-G



FRONT VIEW

W BEAM CONNECTION TO VERTICAL FACE PARAPET

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)



FRONT VIEW

SECTION H-H

THRIE BEAM CONNECTION TO VERTICAL FACED PARAPETS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D[illegible] UNIT SUPERVIS[illegible]
FHWA

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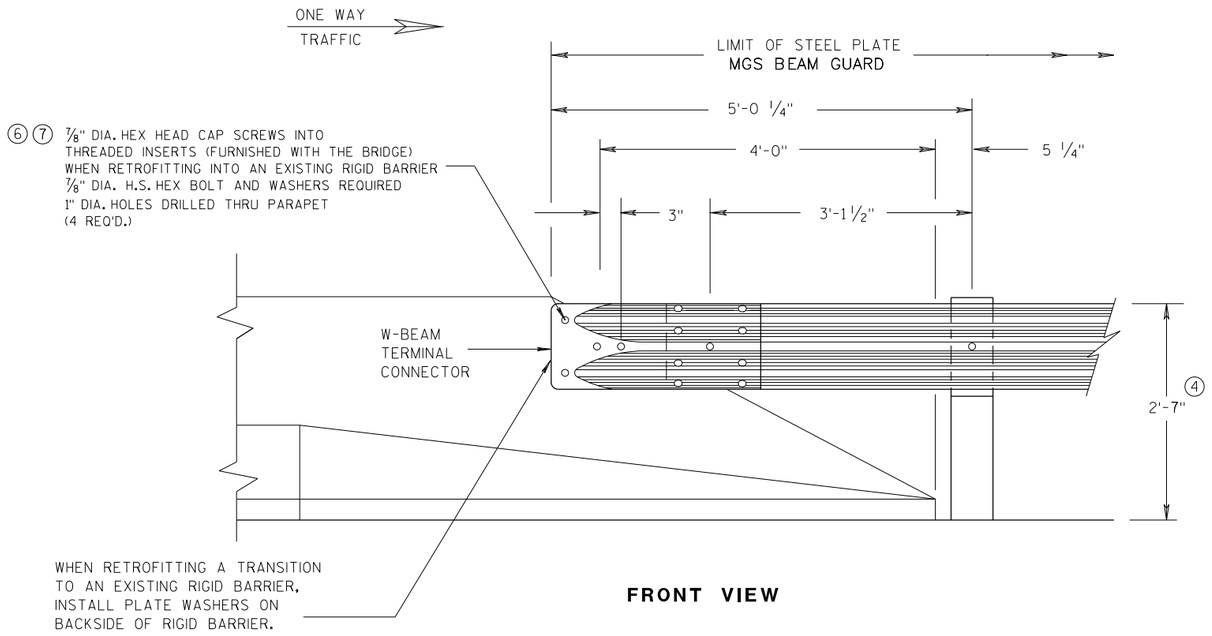


FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

(USE ONLY AT TRAFFIC EXIT END OF ONE WAY BRIDGE)

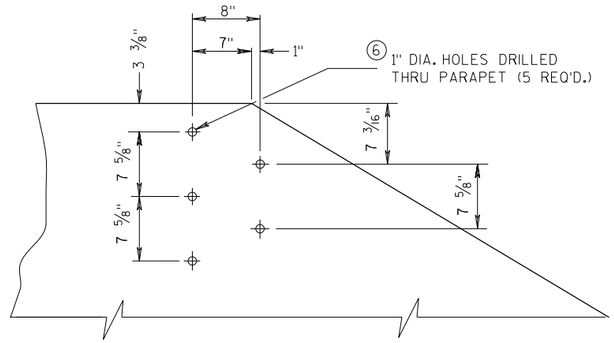
GENERAL NOTES

② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

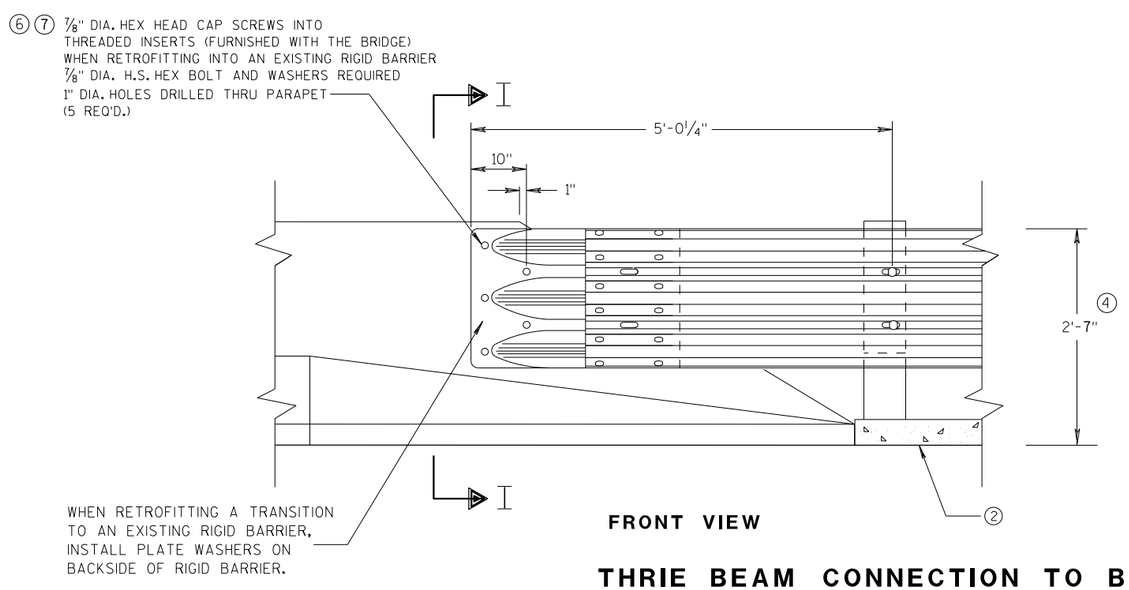
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

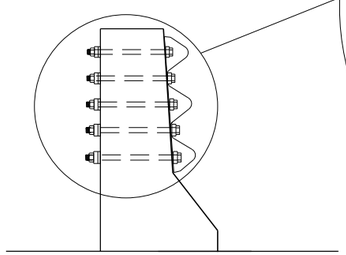
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



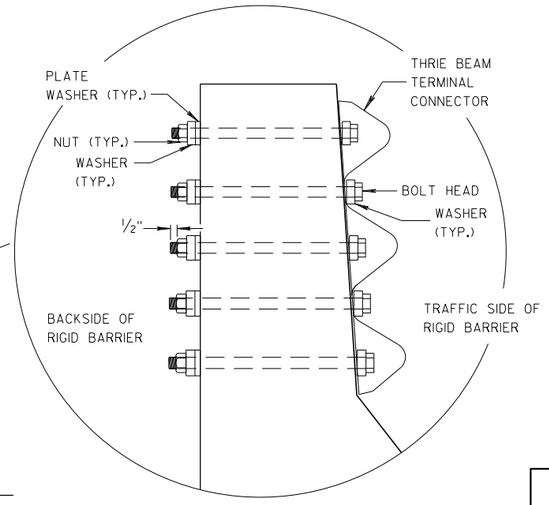
DRILL HOLE LOCATION AND PATTERN FOR THRIE BEAM CONNECTION



FRONT VIEW



SECTION I-I



THRIE BEAM CONNECTION TO BRIDGE PARAPETS WITH SLOPED ENDS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS [illegible] UNIT SUPERVI[illegible]ENT
FHWA

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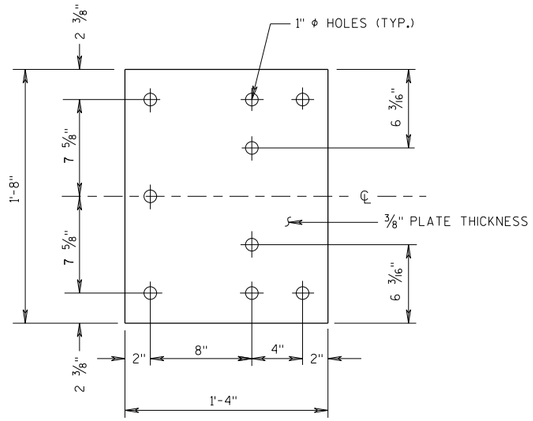
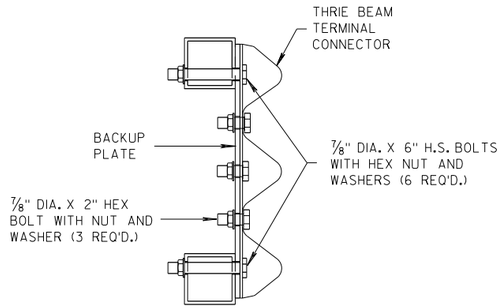
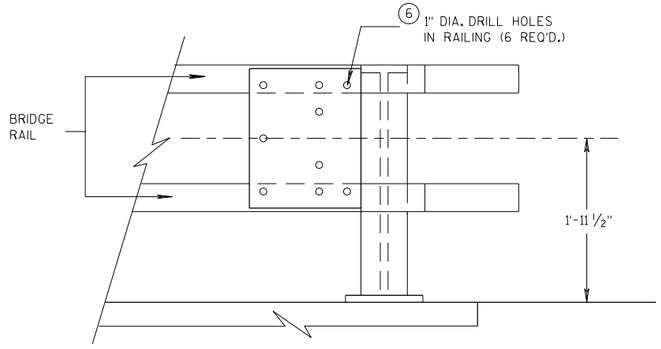


BACK-UP PLATE DETAIL



SECTION J-J

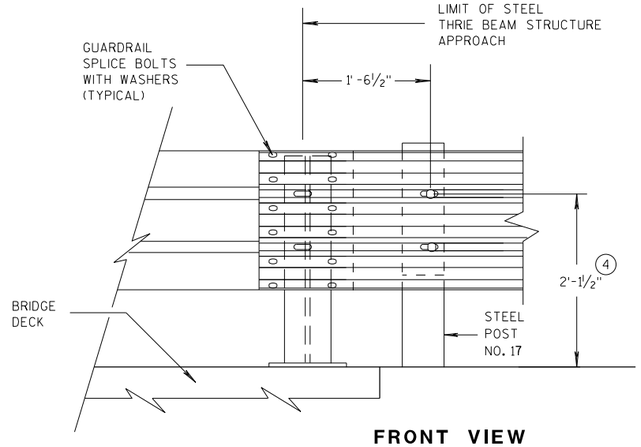


BACK-UP PLATE MOUNTING ONTO BRIDGE RAILING

GENERAL NOTES

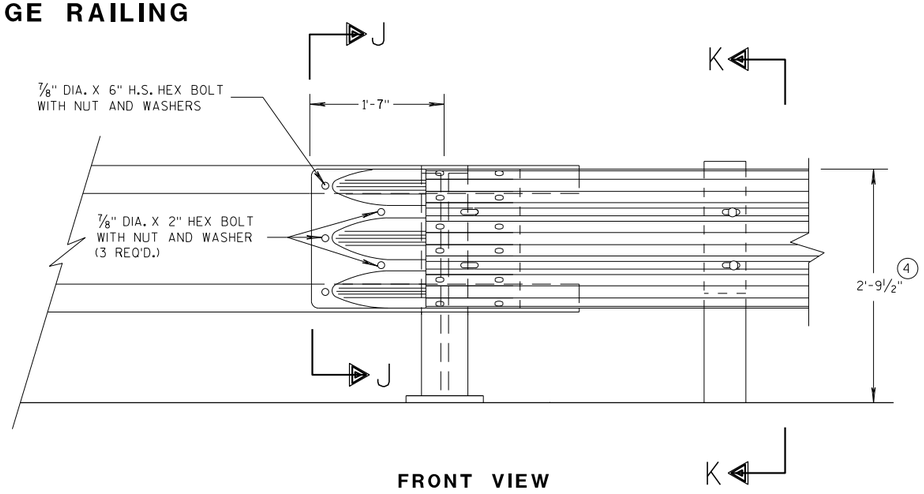
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING HOLES THROUGH THE PAPRPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

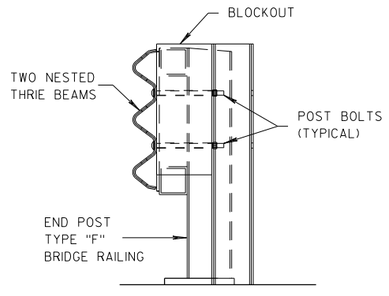


FRONT VIEW

THRIE BEAM CONNECTION TO STEEL RAILING TYPE "W"



FRONT VIEW



SECTION K-K

THRIE BEAM CONNECTION TO TUBULAR RAILING TYPE "F"

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 07/2018 — DATE
FHWA

/S/ Rodney Taylor 619
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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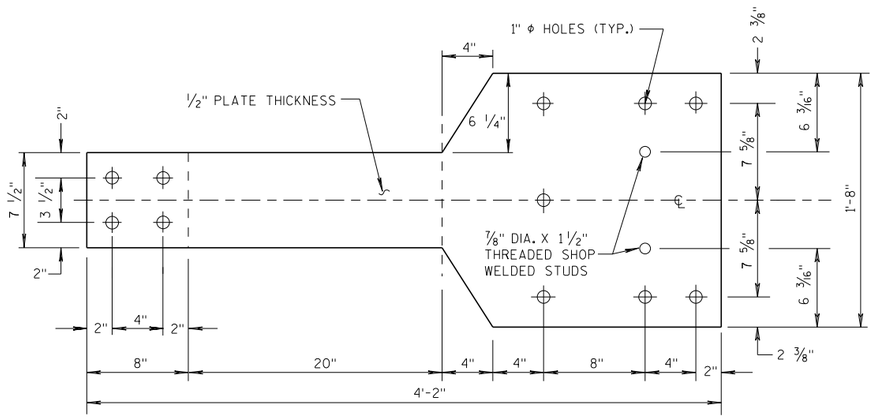
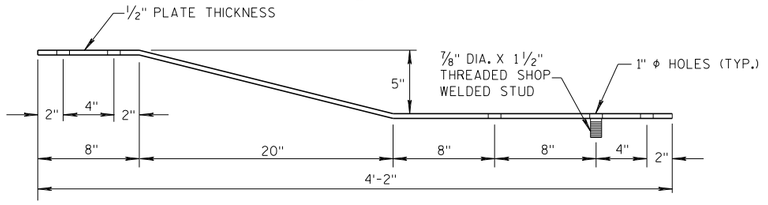
GENERAL NOTES

(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

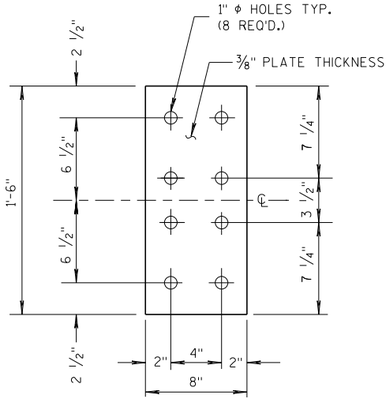


FRONT VIEW



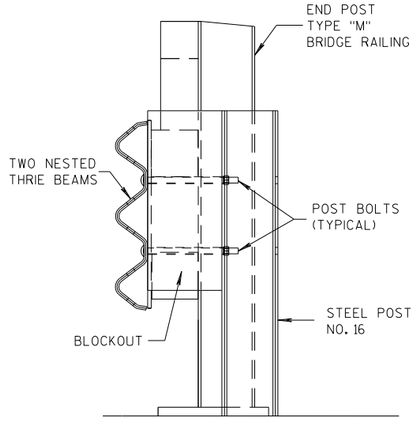
PLAN VIEW

BACK-UP PLATE DETAIL, TYPE "M"

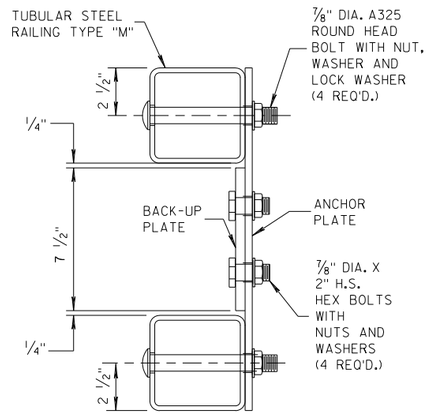


FRONT VIEW

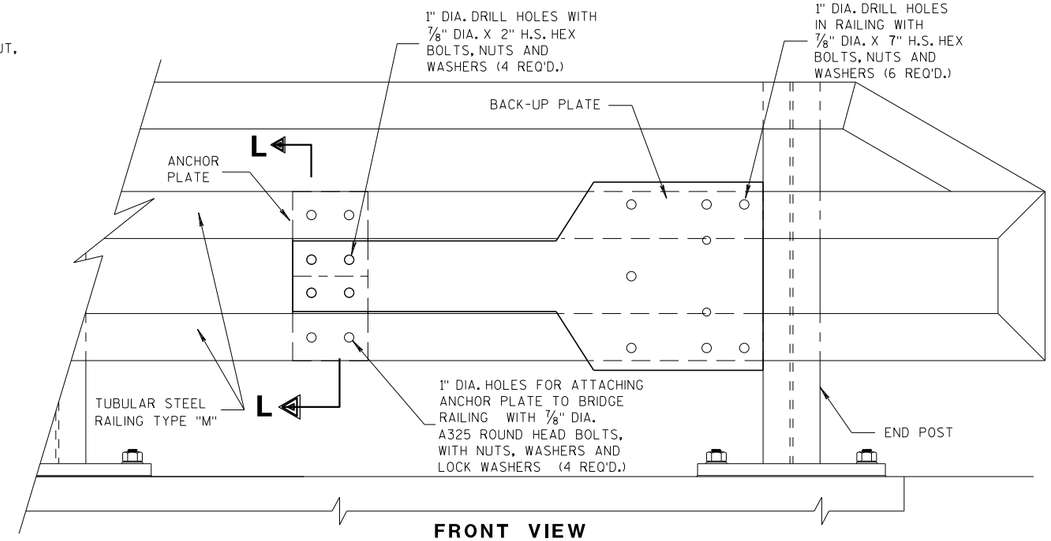
ANCHOR PLATE DETAIL, TYPE "M"



SECTION M-M

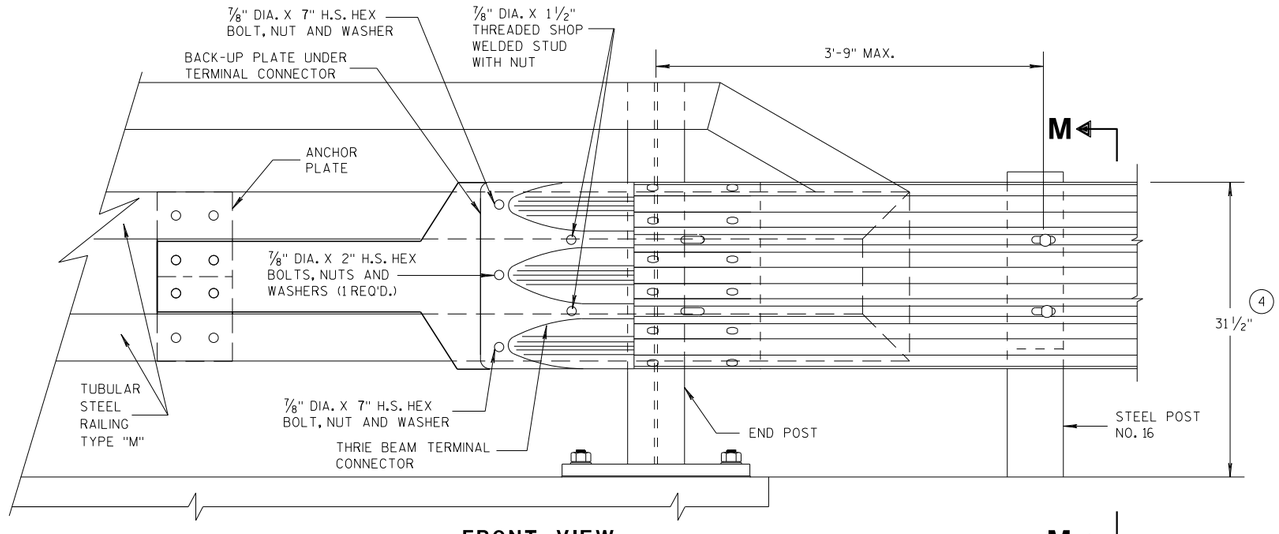


SECTION L-L

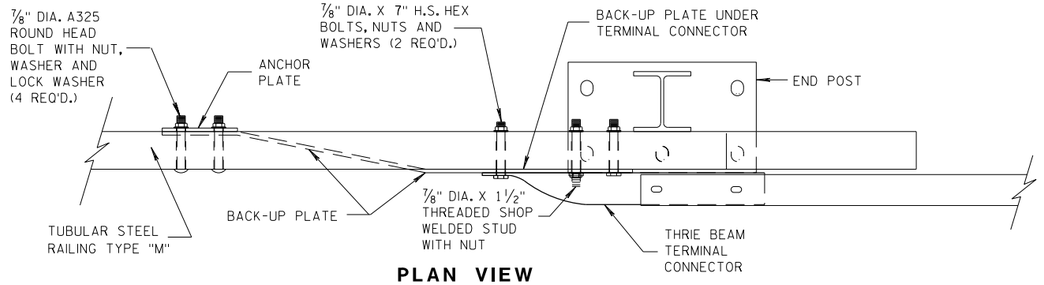


FRONT VIEW

ANCHOR AND BACK-UP PLATE MOUNTING TO BRIDGE RAILING, TYPE "M"



FRONT VIEW



PLAN VIEW

THRIE BEAM CONNECTION TO TUBULAR RAILING, TYPE "M"

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

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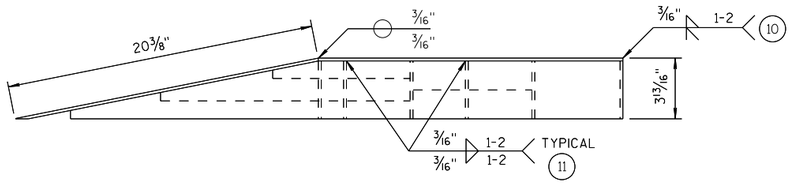
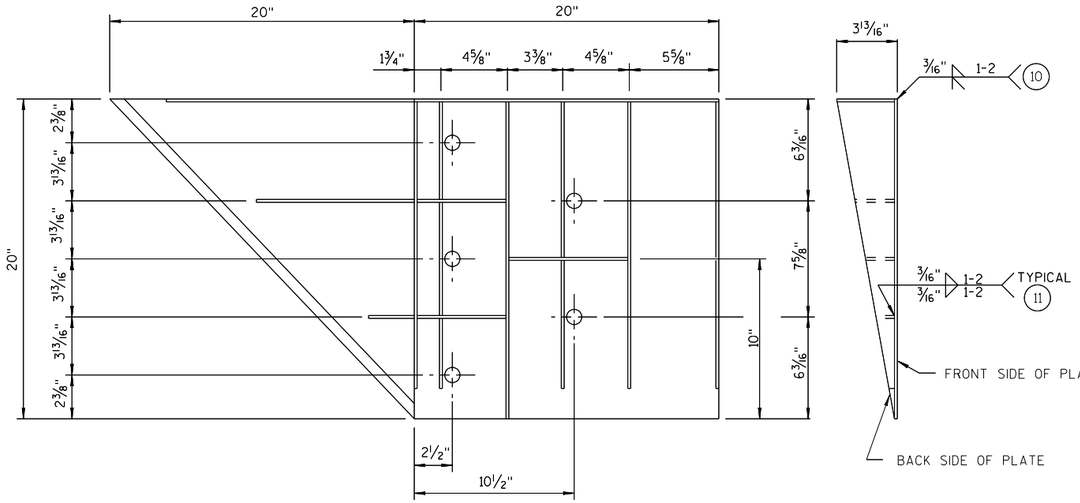
S.D.D. 14 B 45-5h





WELDING INSTRUCTION

(VIEWED FROM BACK SIDE OF PLATE)

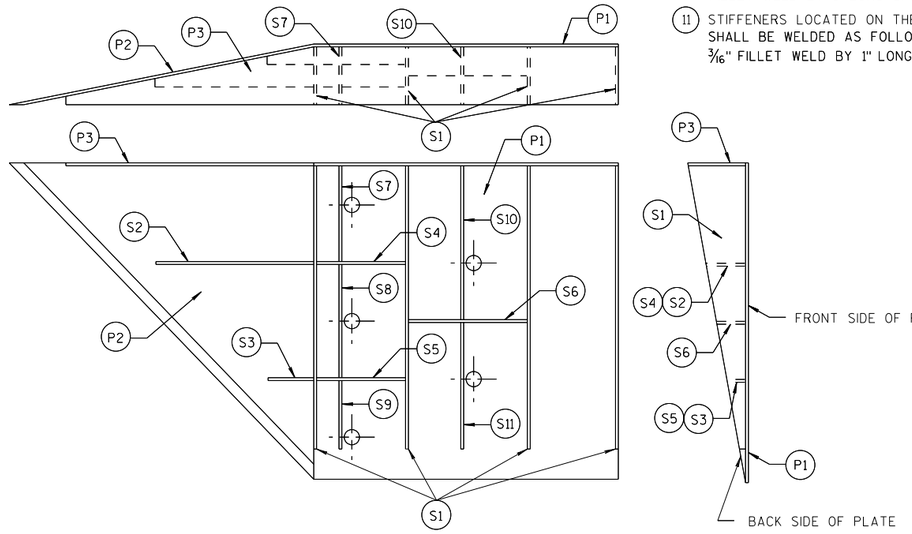


PLATE AND STIFFENER IDENTIFICATION

(VIEWED FROM BACK SIDE OF PLATE)

GENERAL NOTES

COVER PLATE PANELS ARE 3/16" THICK.

ALL STIFFENERS ARE 1/4" THICK.

CONNECTOR PLATE SHALL BE FABRICATED FROM ASTM GRADE A36 STEEL AND GALVANIZED.

FOR GALVANIZED REQUIREMENTS, SEE SECTION 614 OF THE STANDARD SPECIFICATIONS.

ALL HOLE DIAMETERS SHALL BE 1".

FOR OPPOSITE SIDE INSTALLATION MIRROR DRAWINGS.

(10) STIFFENERS LOCATED AT THE OUTSIDE EDGES OF THE COVER PLATES SHALL BE WELDED AS FOLLOWS:
SINGLE BEVEL GROOVE WELD ON EXTERNAL SIDES AND 3/16" FILLET WELD BY 1" LONG SPACED AT 2" ON INTERNAL SIDES.

(11) STIFFENERS LOCATED ON THE INSIDE OF THE COVER PLATE SHALL BE WELDED AS FOLLOWS:
3/16" FILLET WELD BY 1" LONG SPACED AT 2".

CONNECTOR PLATE DIMENSION (PER ASSEMBLY)

PLATE	QUANTITY	SHAPE	SIZE (A x B x C x D)	THICKNESS
P1	1		20" x 20"	3/16"
P2	1		20" x 20" x 28 9/16"	3/16"
P3	1		39" x 3 5/8" x 20" x 19 5/16"	3/16"
S1	4		18 7/16" x 3 5/8" x 18 3/4"	1/4"
S2	1		10 1/4" x 2 7/16" x 10 3/8" x 1/2"	1/4"
S3	1		3" x 1 1/16" x 3 1/8" x 1/2"	1/4"
S4	1		6 1/8" x 2 7/16"	1/4"
S5	1		6 1/8" x 1 1/16"	1/4"
S6	1		7 3/4" x 1 3/4"	1/4"
S7	1		2 9/16" x 6" x 3 5/8" x 5 7/8"	1/4"
S8	1		1 5/32" x 7 1/2" x 2 1/2" x 7 3/8"	1/4"
S9	1		6 1/16" x 6 3/16" x 1 3/32"	1/4"
S10	1		1 7/8" x 9 7/8" x 3 5/8" x 9 11/16"	1/4"
S11	1		8 1/2" x 8 3/4" x 1 13/16"	1/4"

SINGLE SLOPE CONNECTION PLATE

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS I
UNIT SUPERVI

621

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S.D.D. 14 B 45-5i

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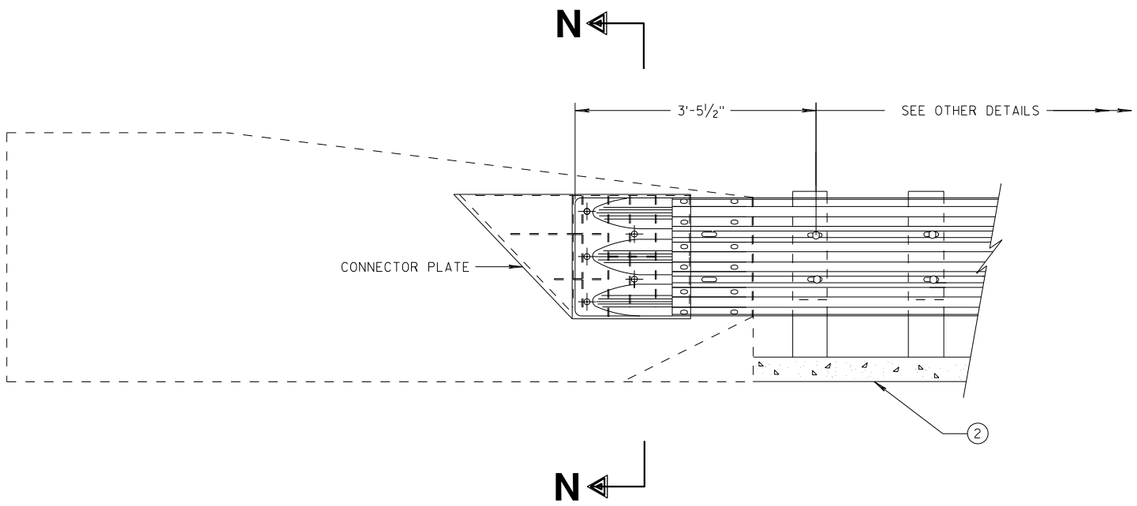
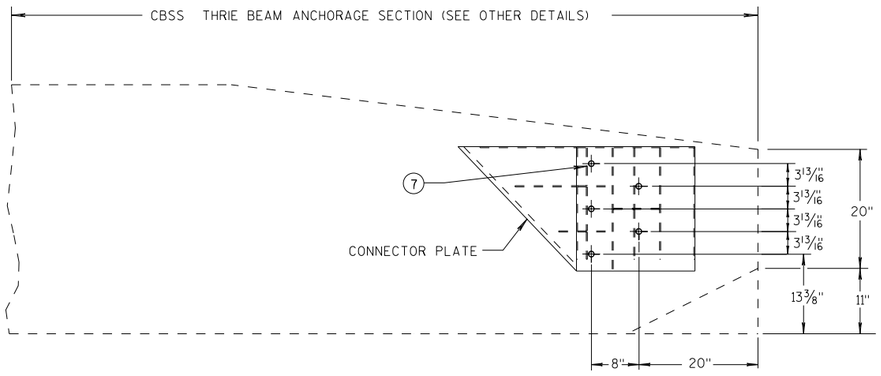
S.D.D. 14 B 45-5i



THRIE BEAM CONNECTION TO SINGLE SLOPE BARRIER



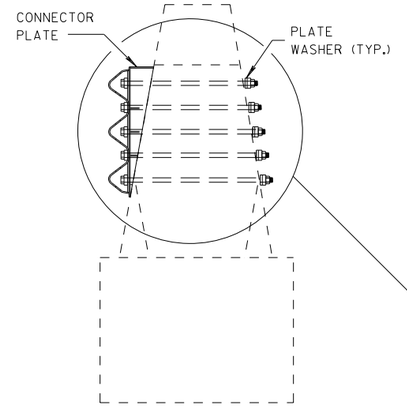
SINGLE SLOPE CONNECTION PLATE PLACEMENT

GENERAL NOTES

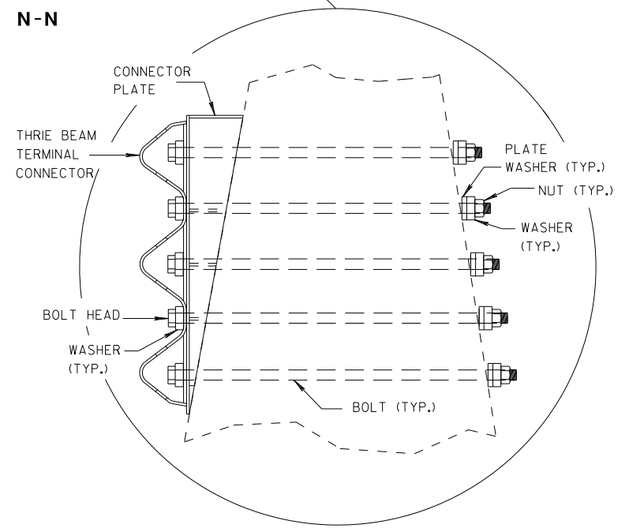
CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



SECTION N-N



MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
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FHWA

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S.D.D. 14 B 45-5j

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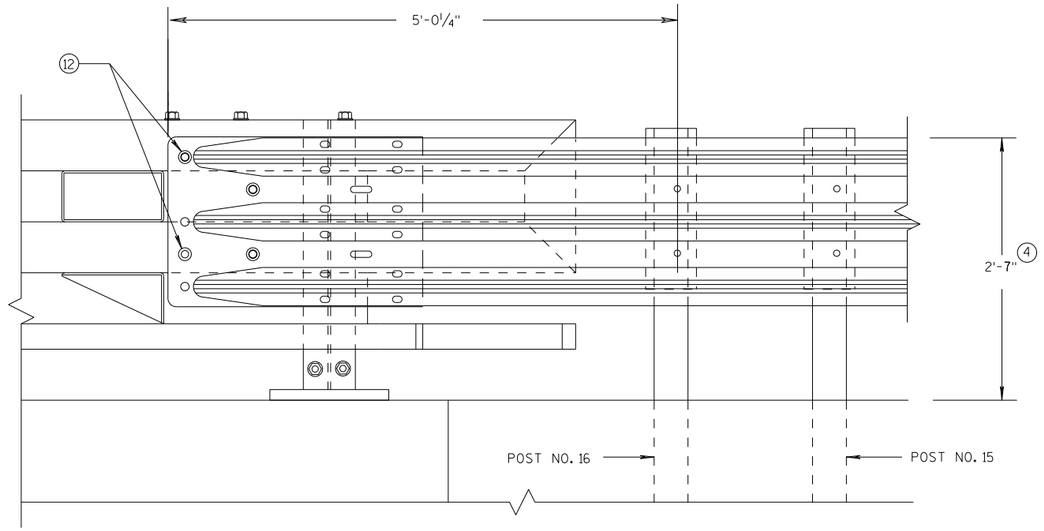
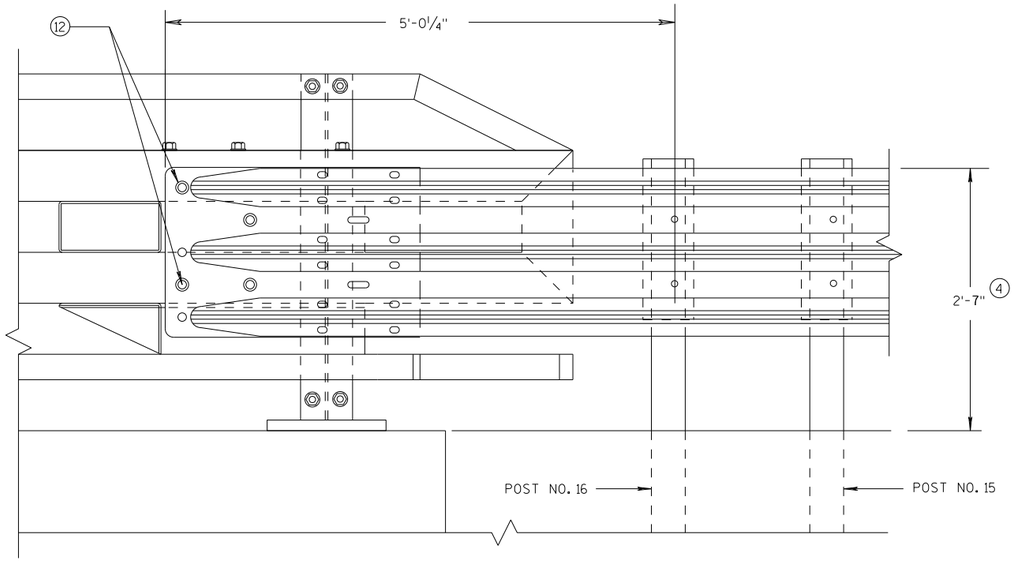
S.D.D. 14 B 45-5j



ELEVATION OF DETAIL AT NY3 END POST

THRIE BEAM RAIL ATTACHMENT



ELEVATION OF DETAIL AT NY4 END POST

THRIE BEAM RAIL ATTACHMENT

GENERAL NOTES

(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(12) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND 1/2-INCH BEYOND NUT.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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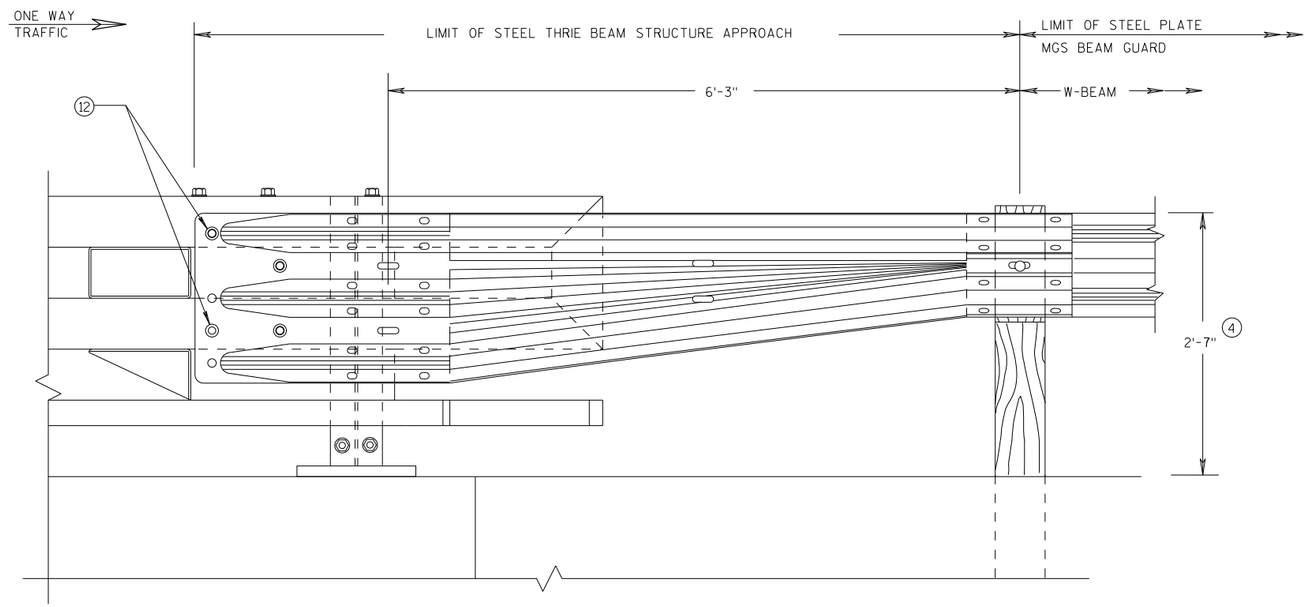
S.D.D. 14 B 45-5k



FRONT VIEW

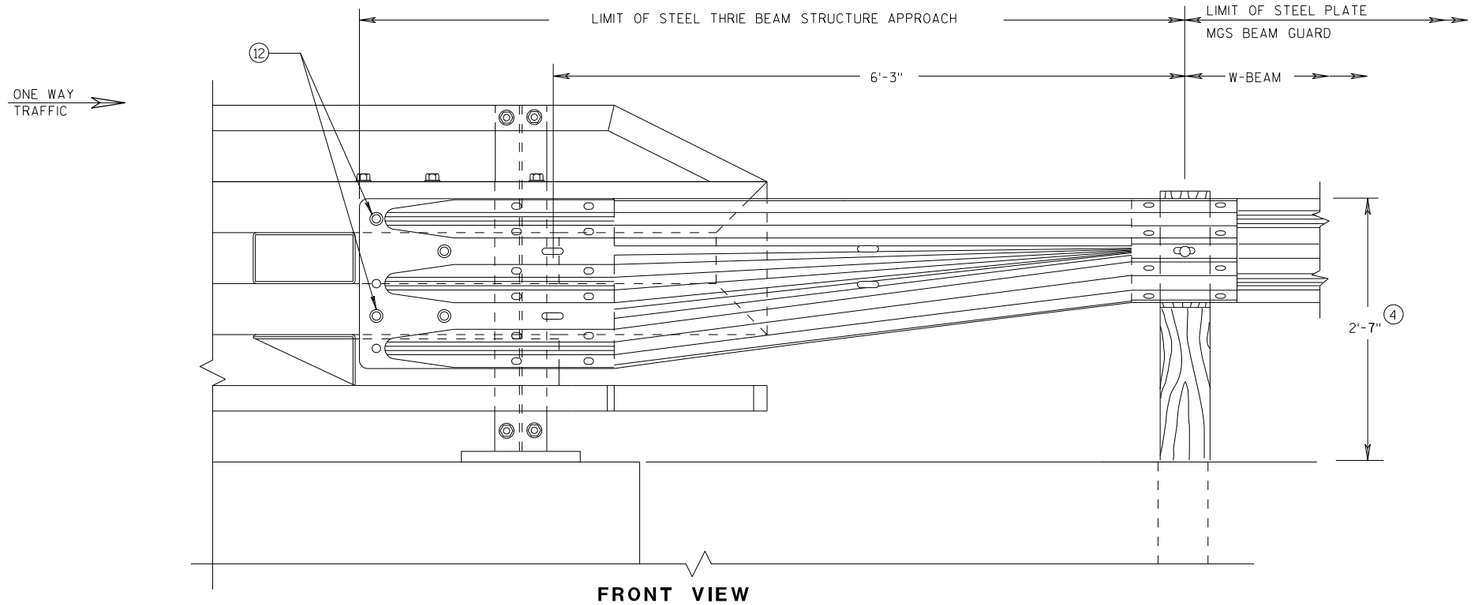
W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY3"

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

GENERAL NOTES

(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(12) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND 1/2-INCH BEYOND NUT.



FRONT VIEW

W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY4"

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 DATE
/S/ Rodney Taylor
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UNIT SUPERVIS
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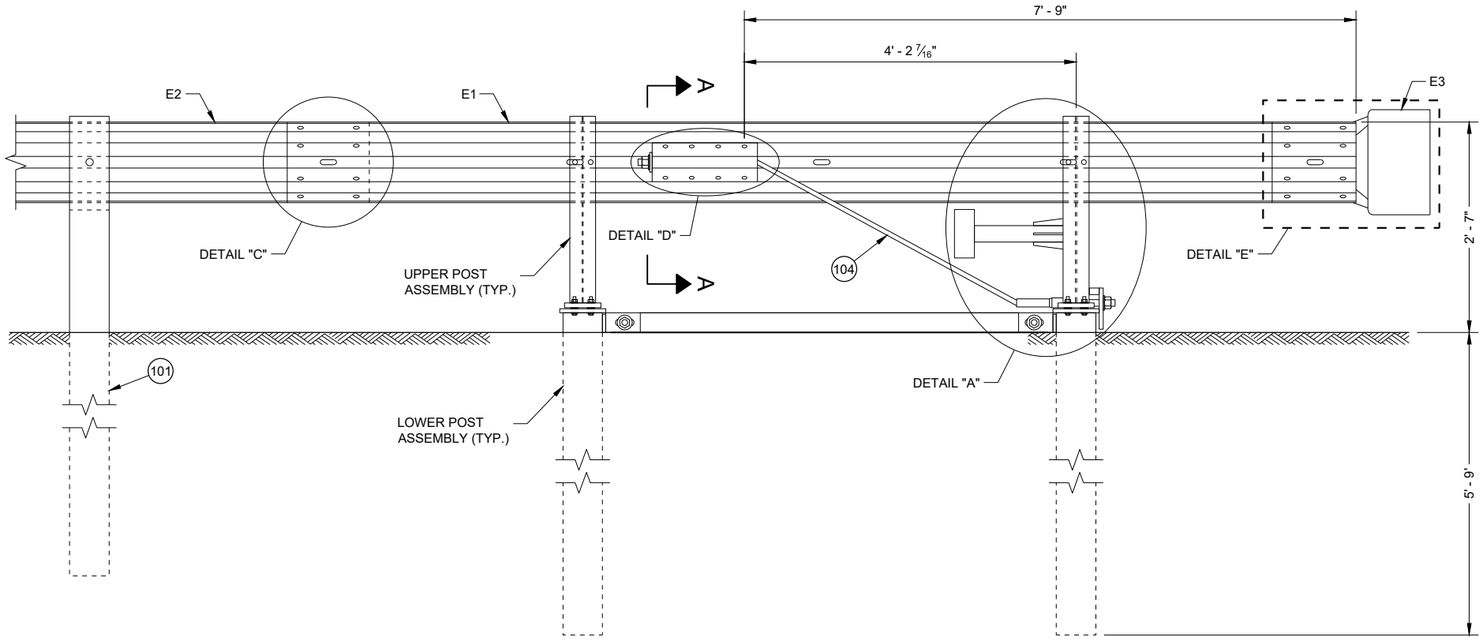
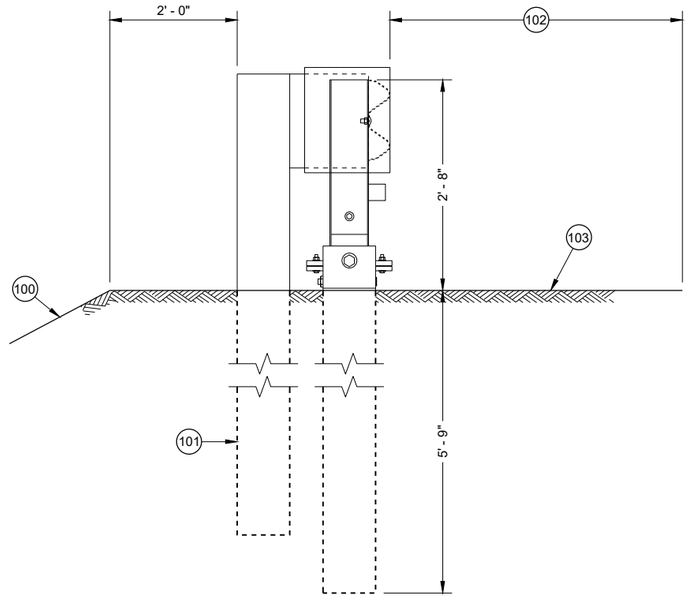
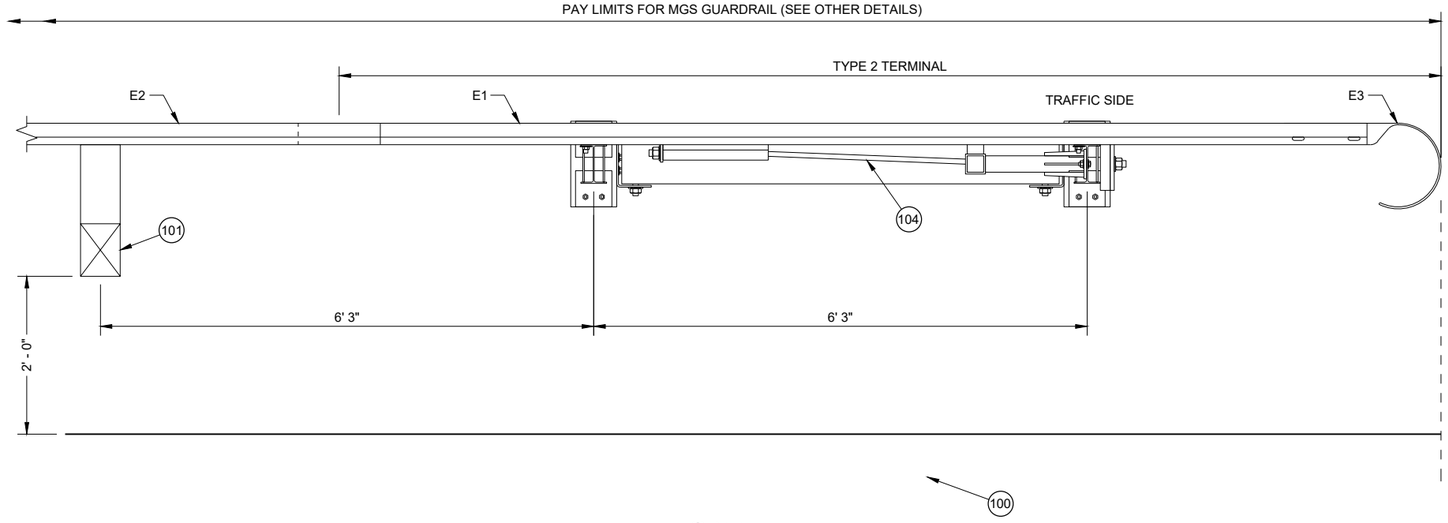
S.D.D. 14 B 45-5L



BACK VIEW
TYPE 2 TERMINAL



SIDE VIEW
TYPE 2 TERMINAL



TOP VIEW
TYPE 2 TERMINAL

GENERAL NOTES

(100) MAXIMUM SLOPE IS 2.5:1.

(101) SEE SDD 14B42 FOR MORE INFORMATION.

(102) SHOULDER

(103) MAXIMUM SLOPE IS 10:1.

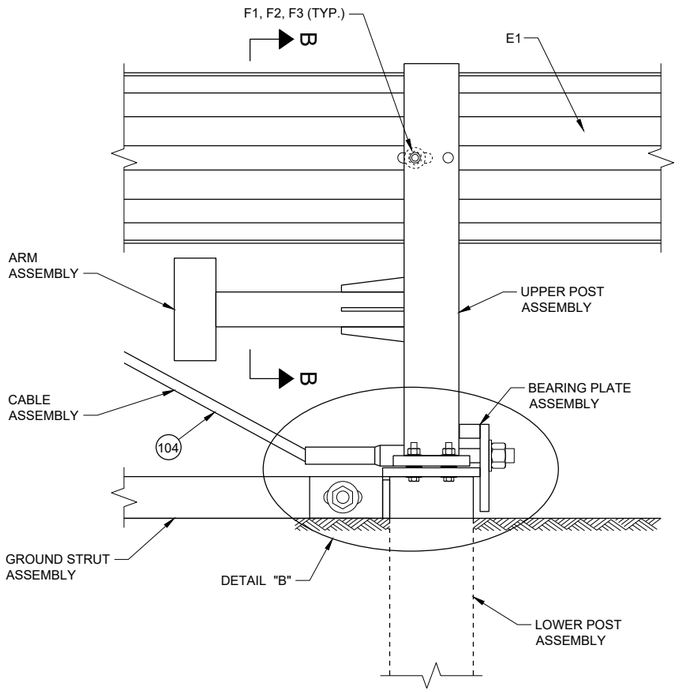
(104) AFTER ASSEMBLY, CABLE IS TO BE TIGHTENED WITHOUT TWISTING THE CABLE.

MIDWEST GUARDRAIL SYSTEM (MGS)
TYPE 2 TERMINAL

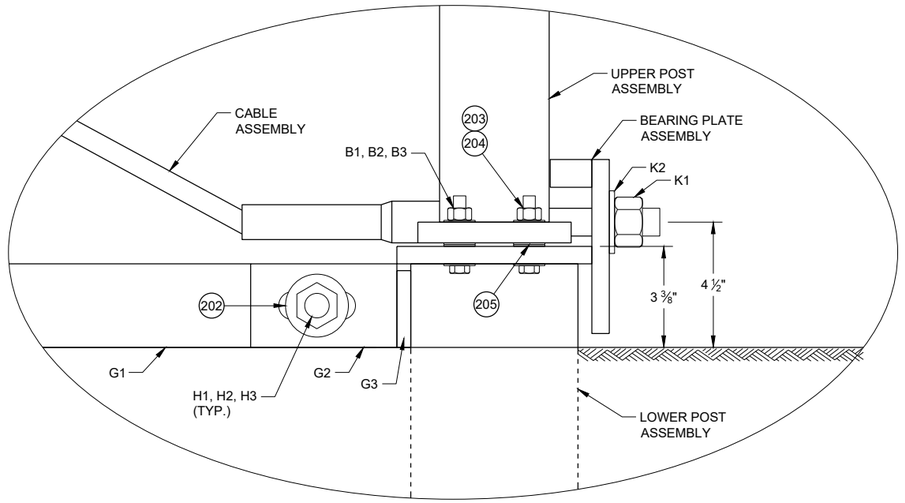
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B47 - 04a



DETAIL "A"



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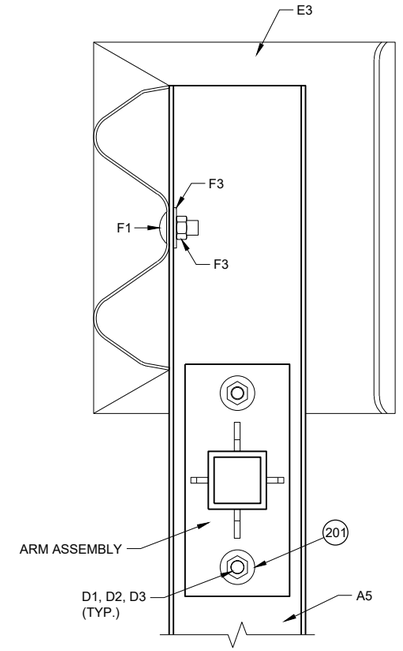
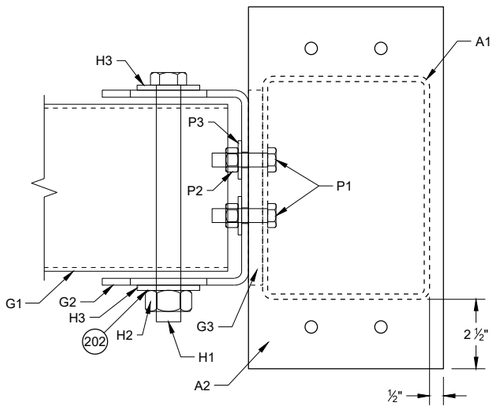
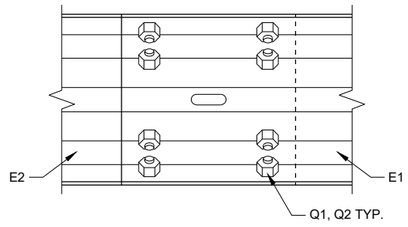


SECTION B - B

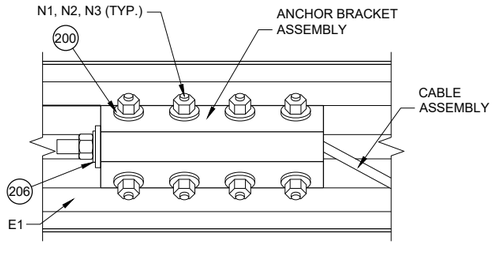


TOP VIEW

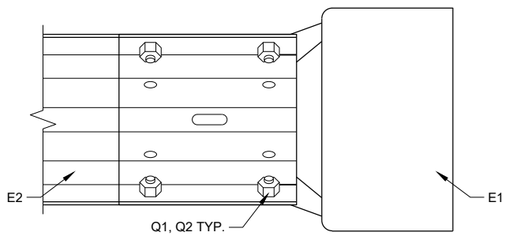
GROUND STRUT CONNECTION DETAIL



DETAIL "C"



DETAIL "D"



DETAIL "E"

GENERAL NOTES

(200) INSTALL ONE WASHER UNDER BOLT HEAD AND RAIL AND ON WASHER BETWEEN NUT AND ANCHOR BRACKET ASSEMBLY.

(201) INSTALL ONE WASHER UNDER BOLT HEAD AND UPPER POST ASSEMBLY AND ONE WASHER BETWEEN NUT AND ARM PLATE.

(202) INSTALL ONE WASHER UNDER BOLT HEAD AND GROUND STRUT CONNECTOR AND ONE WASHER BETWEEN NUT AND GROUND STRUT CONNECTOR.

(203) INSTALL ONE WASHER UNDER BOLT HEAD AND LOWER POST ASSEMBLY AND ONE WASHER BETWEEN NUT AND UPPER POST ASSEMBLY.

(204) TORQUE VALUE IS BETWEEN 60 - 75 FT-LB.

(205) TWO WASHERS BETWEEN UPPER AND LOWER POST ASSEMBLY.

(206) INSTALL ONE WASHER BETWEEN NUT AND ANCHOR BRACKET ASSEMBLY.

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

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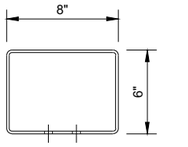
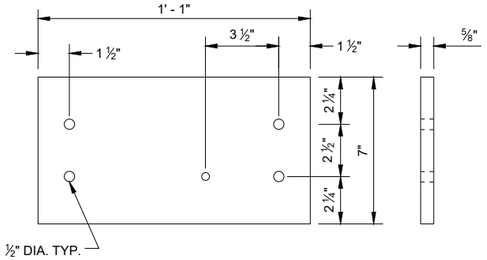
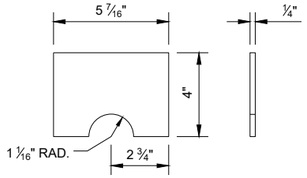
SDD 14B47 - 04b



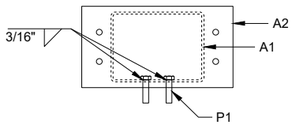
TOP VIEW



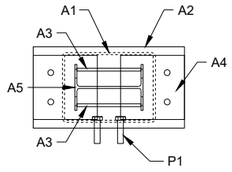
LOWER PLATE (A2)

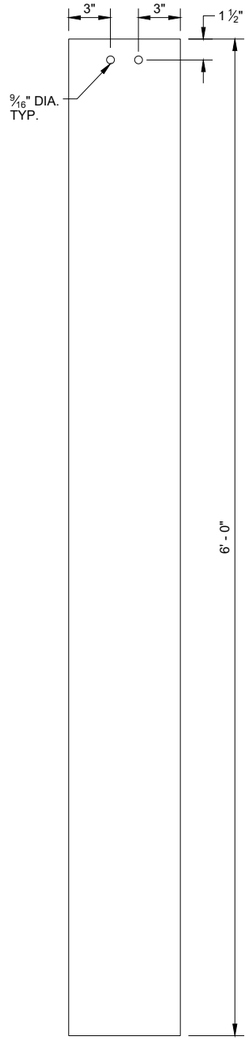


POST GUSSET (A3)



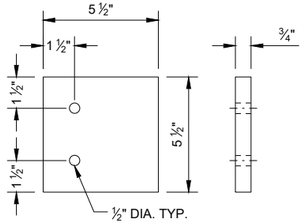
PLAN VIEW



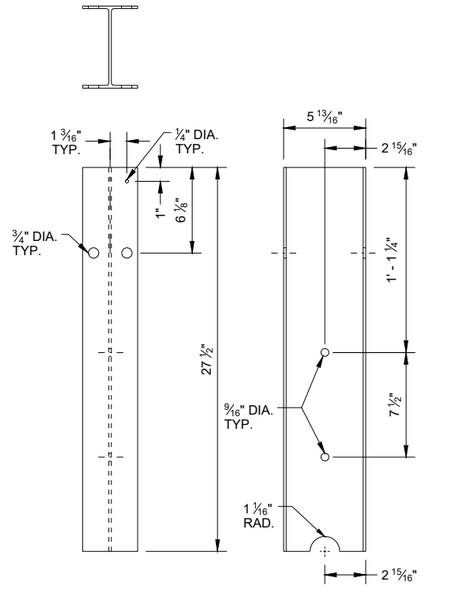


SIDE VIEW

FOUNDATION TUBE (A1)

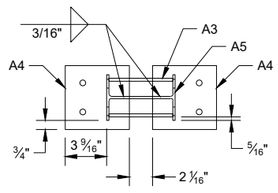


UPPER PLATE (A4)

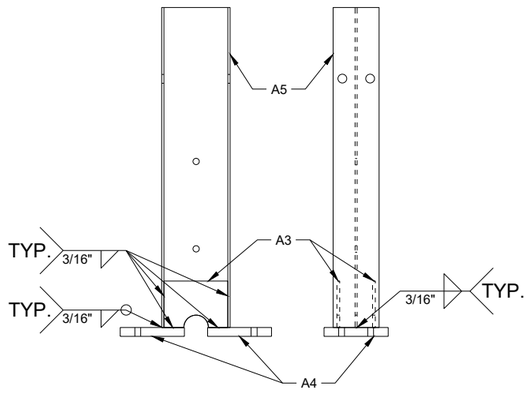


FRONT VIEW SIDE VIEW

TYPE 2 POST (A5)

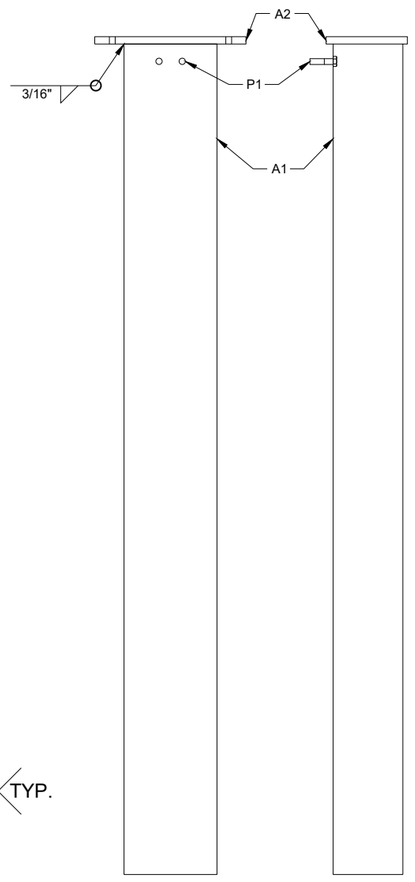


PLAN VIEW



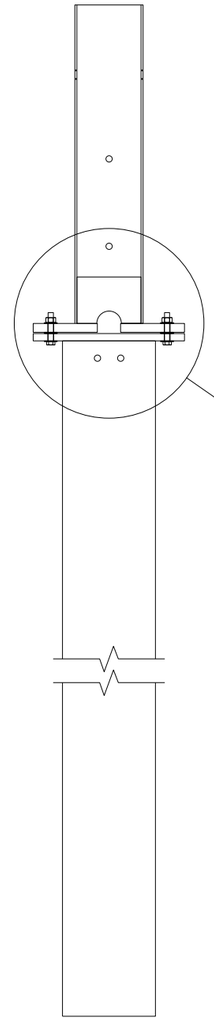
SIDE VIEW FRONT VIEW

UPPER POST ASSEMBLY

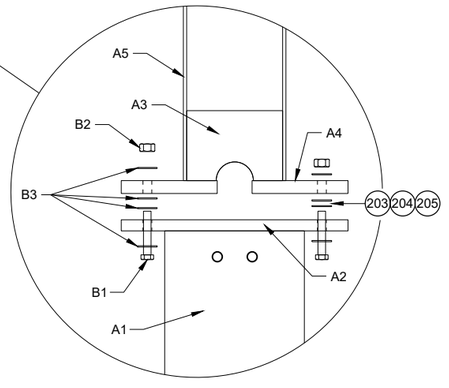


FRONT VIEW SIDE VIEW

LOWER POST ASSEMBLY



ASSEMBLED POST



POST CONNECTION DETAIL

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

627

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SDD 14B47 - 04c

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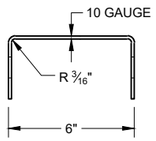
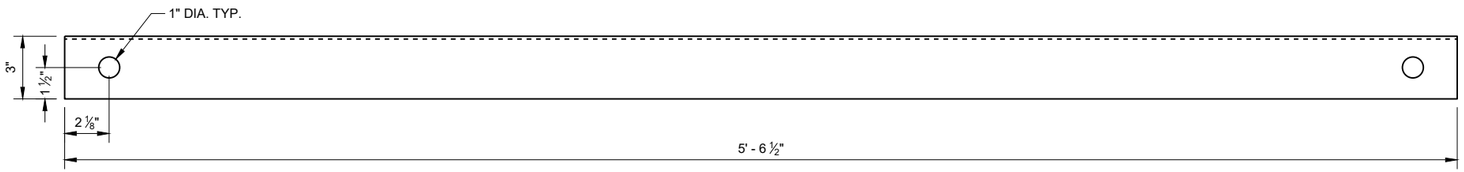
SDD 14B47 - 04c

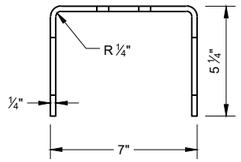


SIDE VIEW

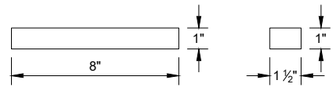


FRONT VIEW

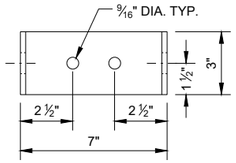
GROUND STRUT CHANNEL (G1)



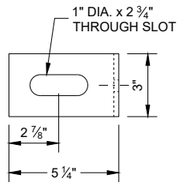
TOP VIEW



BEARING PLATE FLANGE (L2)

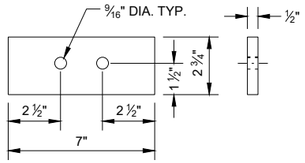


FRONT VIEW

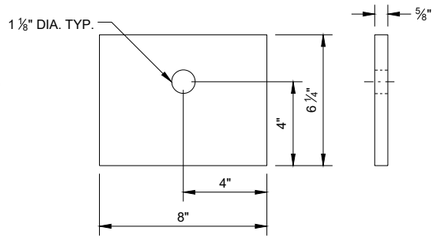


SIDE VIEW

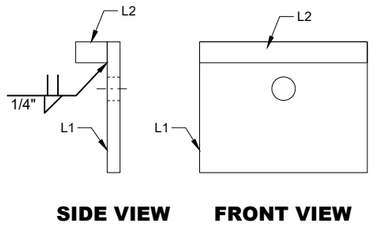
GROUND STRUT CONNECTOR (G2)



GROUND STRUT PLATE (G3)

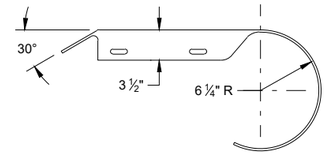


BEARING PLATE (L1)

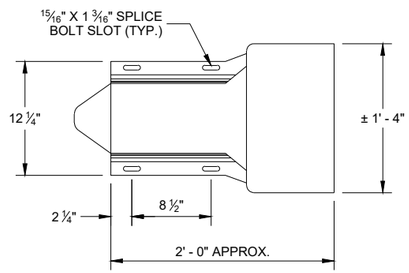


SIDE VIEW FRONT VIEW

BEARING PLATE ASSEMBLY

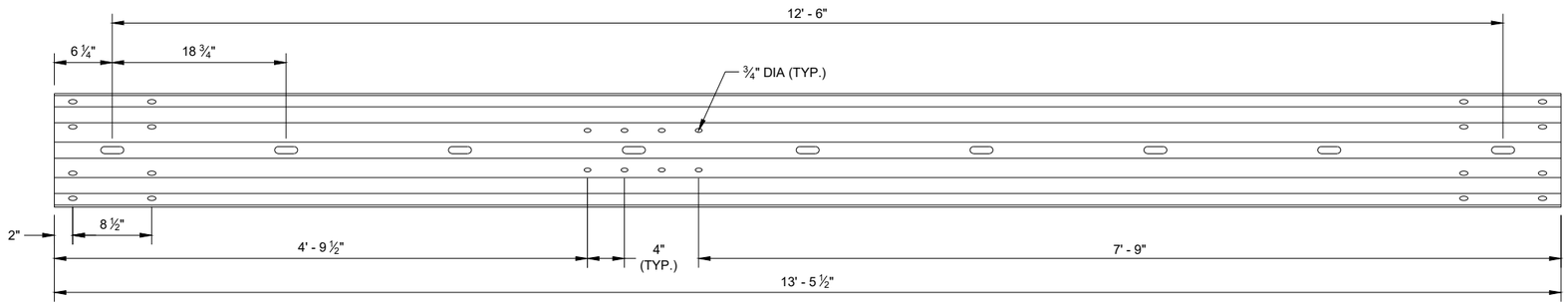


PLAN VIEW

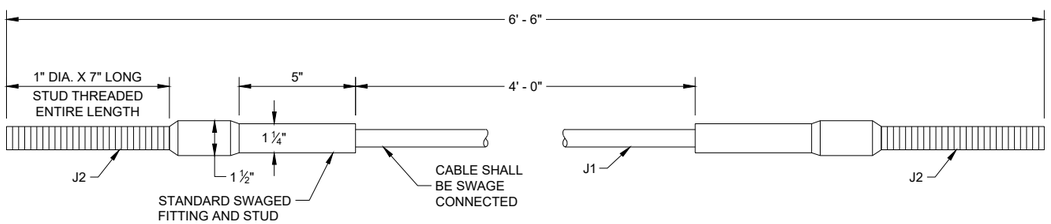


ELEVATION VIEW

ROUNDED BUFFER END (E3)



TYPE 2 GUARDRAIL (E1)



CABLE ASSEMBLY

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MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

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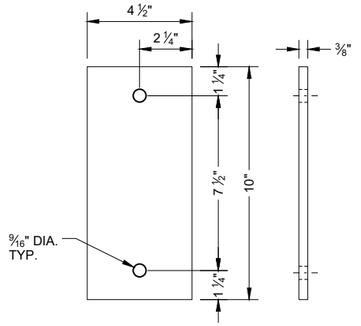
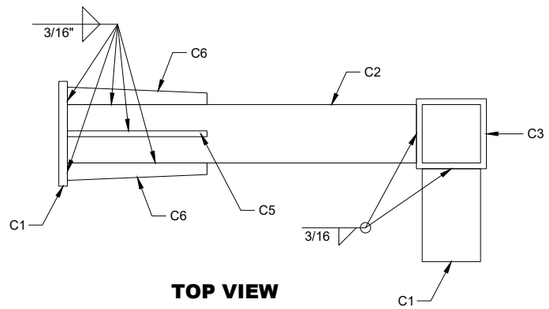
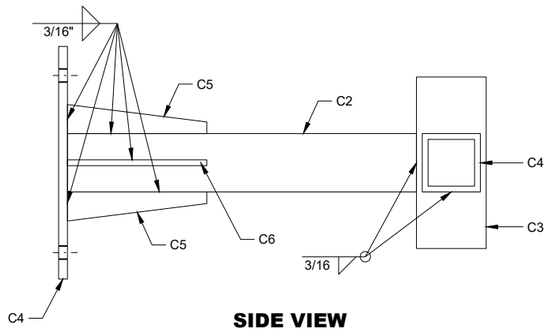


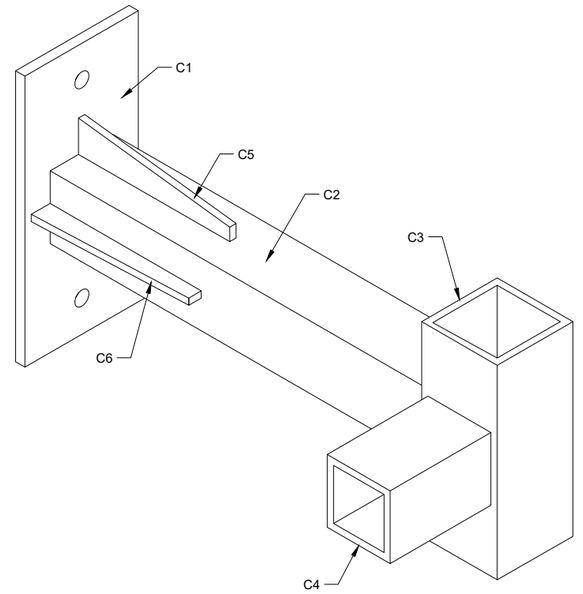
ARM PLATE (C1)



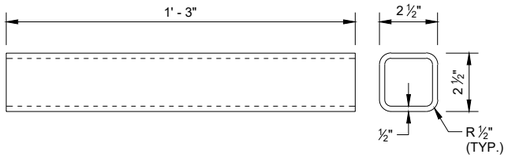
TOP VIEW
ARM ASSEMBLY



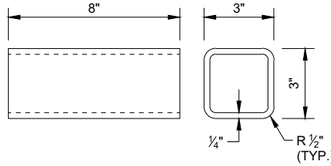
SIDE VIEW
ARM ASSEMBLY



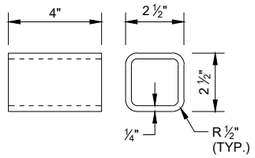
ISOMETRIC VIEW
ARM ASSEMBLY



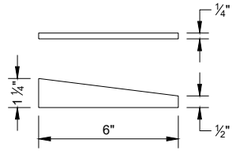
ARM TUBE 1 (C2)



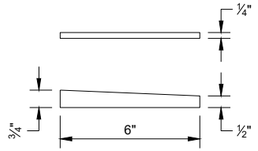
ARM TUBE 2 (C3)



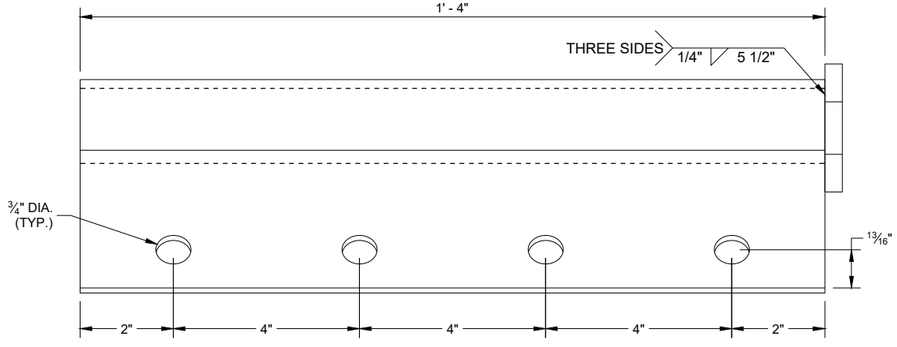
ARM TUBE 3 (C4)

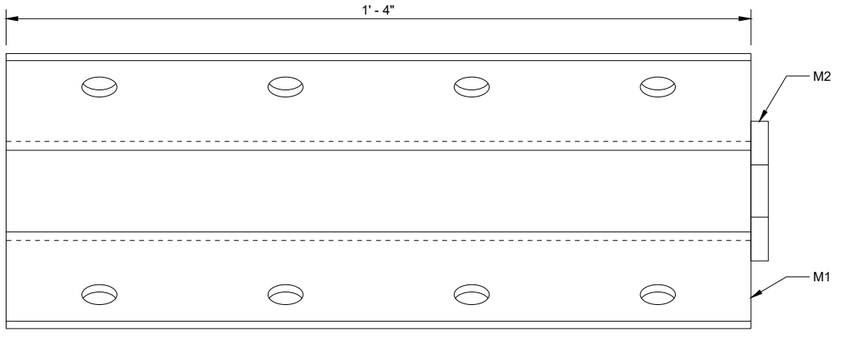


ARM GUSSET PLATE 1 (C5)

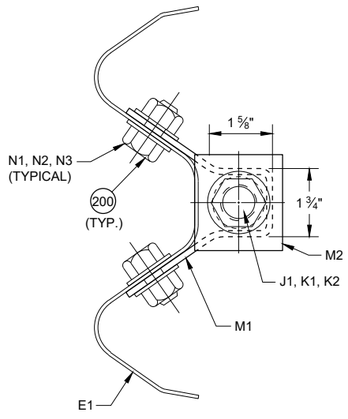


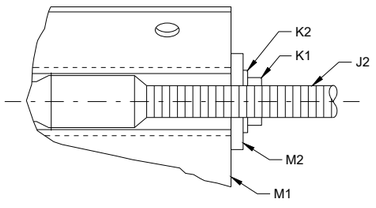
ARM GUSSET PLATE 2 (C6)



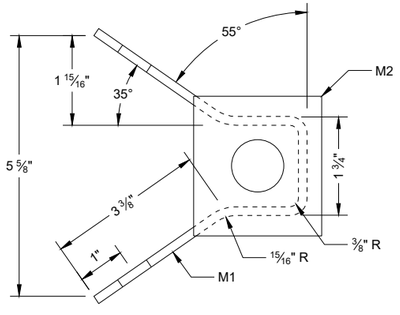


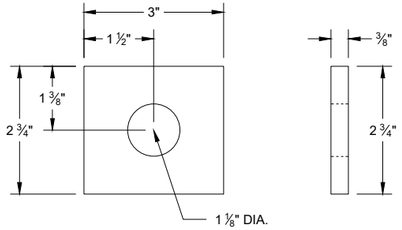
ANCHOR BRACKET (M1, M2)





SECTION A - A





ANCHOR BRACKET BEARING PLATE (M2)

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
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BILL OF MATERIALS - TYPE 2 TERMINAL (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	TYPE 2 FOUNDATION TUBE	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 8" x 6" x 3/16"
A2	LOWER 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	5/8" THICKNESS
A3	POST GUSSET	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	1/4" THICKNESS
A4	UPPER 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	3/4" THICKNESS
A5	TYPE 2 POST	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, w6x9 or w6x8.5	
B1	BREAKAWAY BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX 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.	7/16" DIA.
B2	BREAKAWAY BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	7/16" DIA.
B3	BREAKAWAY BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. 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	
C1	ARM ASSEMBLY 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	3/8" THICKNESS
C2	ARM ASSEMBLY TUBE 1	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 8" x 6" x 3/16"
C3	ARM ASSEMBLY TUBE 2	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 3" x 3" x 1/4"
C4	ARM ASSEMBLY TUBE 3	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 2 1/2" x 2 1/2" X 1/4"
C5	ARM ASSEMBLY GUSSET 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	1/4" THICKNESS
C6	ARM ASSEMBLY GUSSET 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	1/4" THICKNESS
D1	ARM ASSEMBLY BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	1/2" DIA.
D2	ARM ASSEMBLY WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	1/2" DIA.
D3	ARM ASSEMBLY NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. 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	1/2" DIA.
E1	TYPE 2 GUARD RAIL	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
E2	BEAM GUARD RAIL	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
E3	BEAM GUARD ROUNDED BUFFER END	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
F1	POST BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	5/8" DIA.
F2	POST BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	5/8" DIA.
F3	POST BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. 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 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
G1	GROUND STRUT CHANNEL	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	1/2" x 11 3/4" x 10 GAUGE
G2	GROUND STRUT CONNECTOR	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	1/4" THICKNESS
G3	GROUND STRUT 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	1/2" THICKNESS

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MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

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SDD 14B47 - 04f

BILL OF MATERIALS - TYPE 2 TERMINAL (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
H1	GROUND STRUT BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	7/8" DIA.
H2	GROUND STRUT BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	7/8" DIA.
H3	GROUND STRUT BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD 5/8" ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	
J1	BCT CABLE	AASHTO M30 / ASTM A741 6 x 19 INDEPENDENT WIRE CORE (IWRC) IMPROVED PLOW STEEL (IPS), 6 x 19 INDEPENDENT WIRE CORE (IWRC) IMPROVED PLOW STEEL (IPS) TYPE II OR IIC, CLASS C ZINC COATED MIN. BREAKING STRENGTH OF 42.7 KIPS	**3/4" DIA.**
J2	BCT CABLE	UNC 1" ASTM A576 GRADE 1035 SWAGE FITTINGS ARE TO BE FACTORY SWEDGED. MIN BREAKING STRENGTH OF 42.7 KIPS ASME B30.26 "FORGED, CAST, OR DIE STAMPED WITH THE FOLLOWING IN TO CONNECTION: NAME OF MANUFACTURE OR TRADEMARK OF CONNECTION'S MANUFACTURER, SIZE OR RATED LOAD, GRADE FOR ALLOY EYEBOLTS."	
K1	CABLE ASSEMBLY NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. 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	1" DIA.
K2	CABLE ASSEMBLY WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1	1" DIA.
L1	BEARING 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	5/8" THICKNESS
L2	BEARING PLATE FLANGE	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	1" THICKNESS
M1	BEAM GUARD ANCHOR BRACKET	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	
M2	BEAM GUARD ANCHOR 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	3/8" THICKNESS
N1	ANCHOR BRACKET BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	5/8" DIA.
N2	ANCHOR BRACKET BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	5/8" DIA.
N3	ANCHOR BRACKET BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. 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	
P1	FOUNDATION TUBE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. 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	1/2" DIA.
P2	FOUNDATION TUBE WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 7/8" ASTM F844 TYPE 1 (HARDENED WASHER ONLY)	1/2" DIA.
P3	FOUNDATION TUBE NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. 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 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
Q1	SPLICE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	
Q2	SPLICE NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. 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 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	5/8" DIA.

6

6

SDD 14B47 - 04g

SDD 14B47 - 04g

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

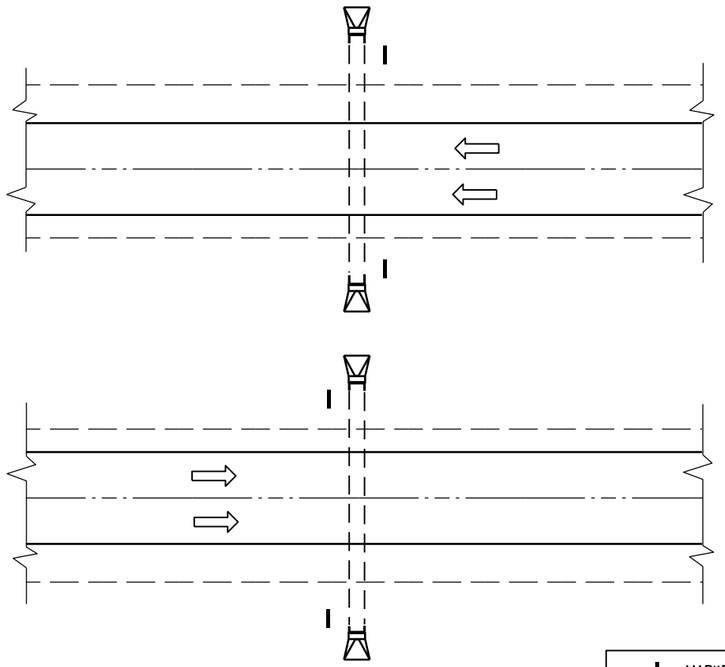
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2023
DATE

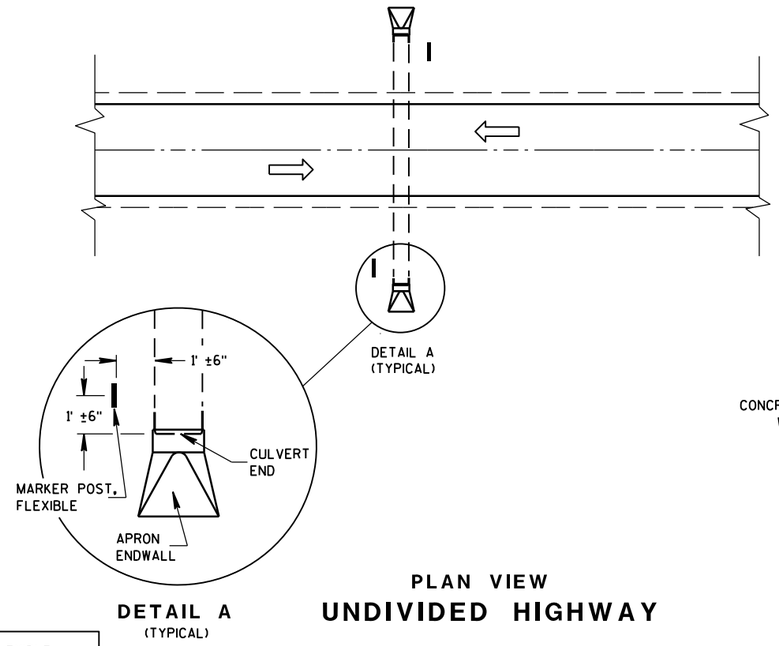
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

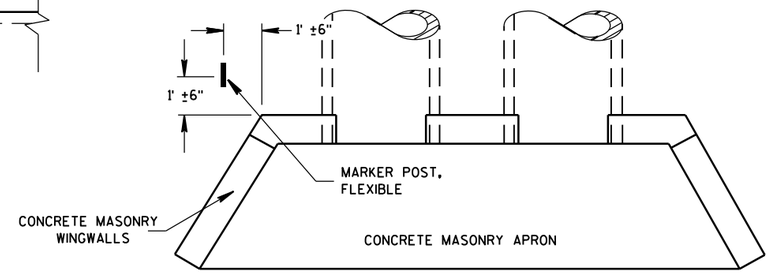
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

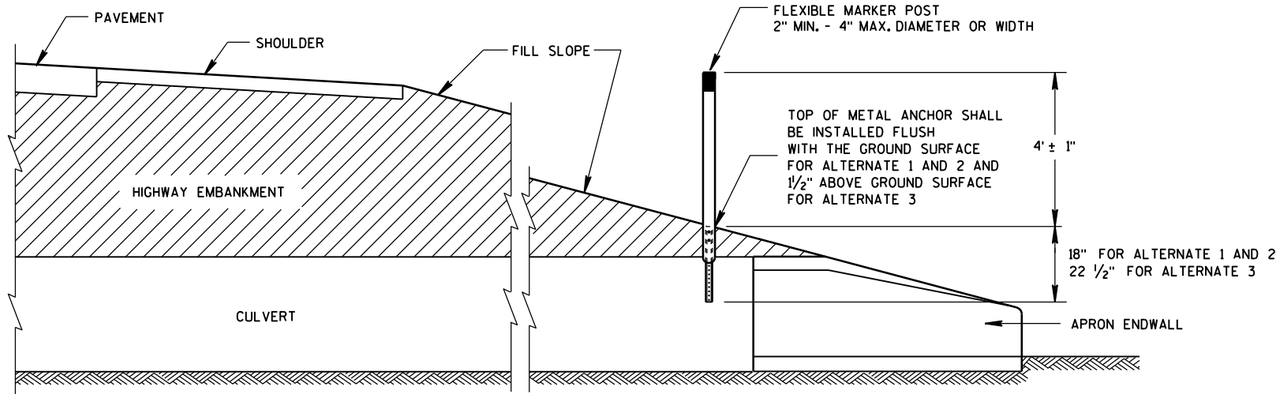
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 15 A 3-2a

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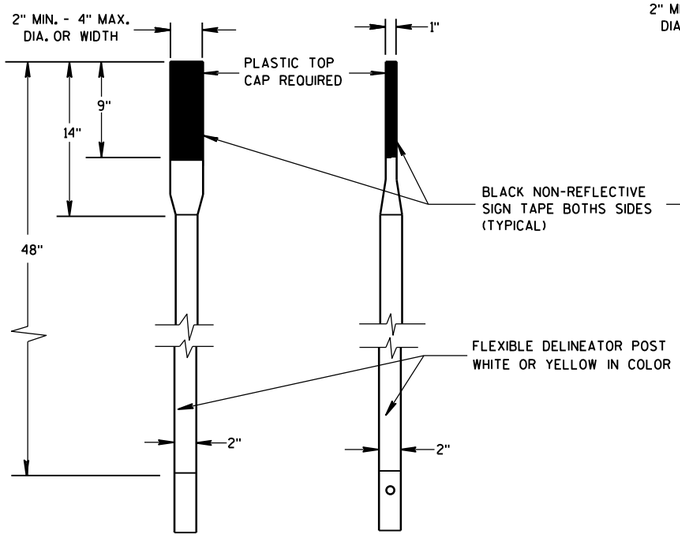
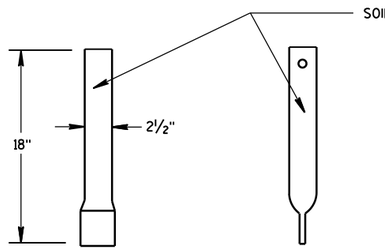
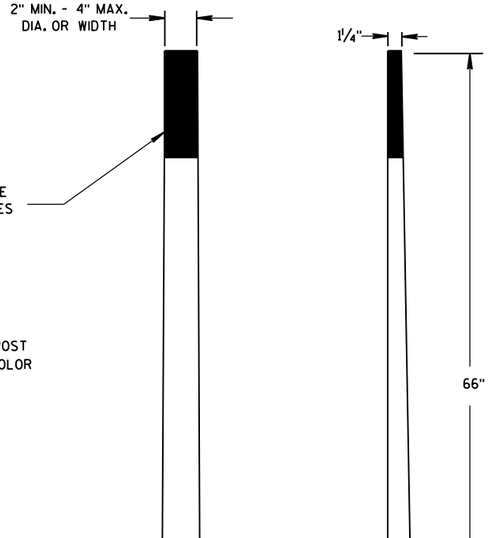
S.D.D. 15 A 3-2a





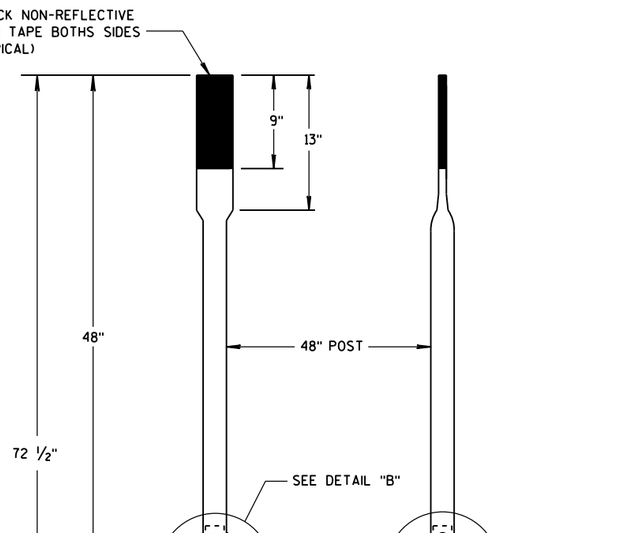
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

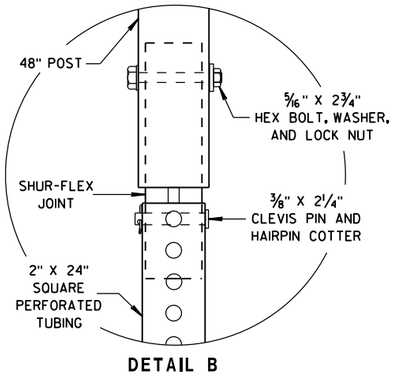
ALTERNATE 2



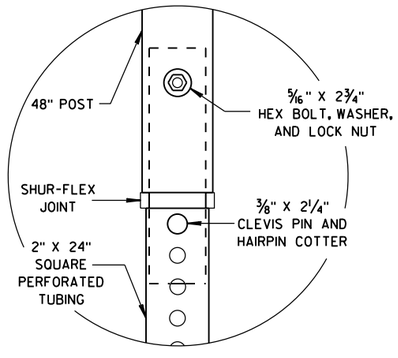
FRONT VIEW SIDE VIEW

ALTERNATE 3

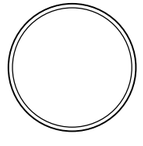
FLEXIBLE MARKER POSTS



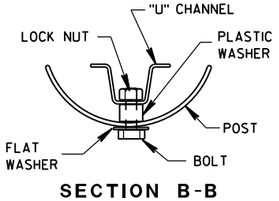
DETAIL B



DETAIL C



SECTION A-A



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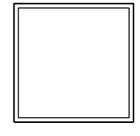
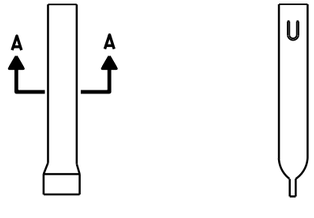
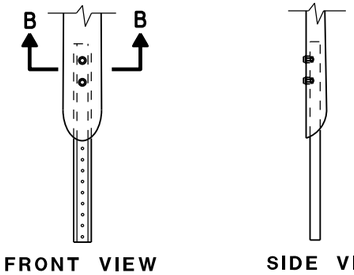


SECTION C-C



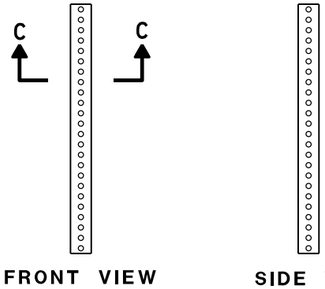
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2



FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

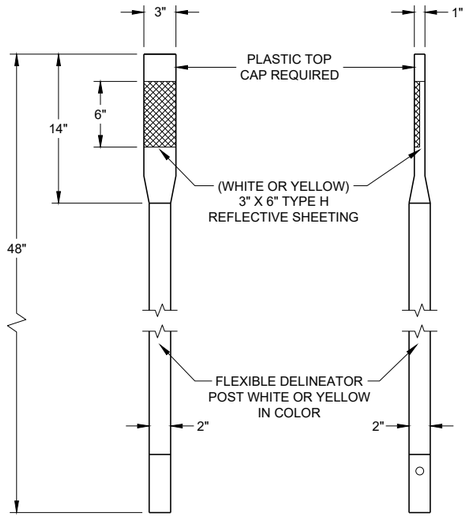
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
633
IGN
FHWA

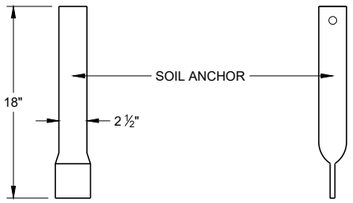
6

S.D.D. 15 A 3-2b

6

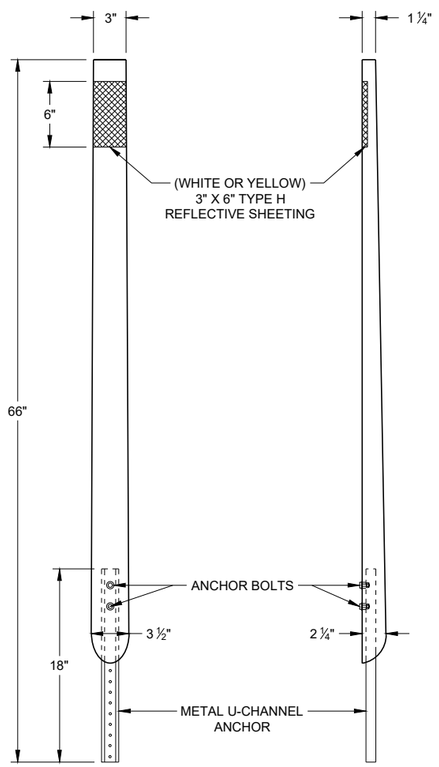
S.D.D. 15 A 3-2b





FRONT VIEW SIDE VIEW

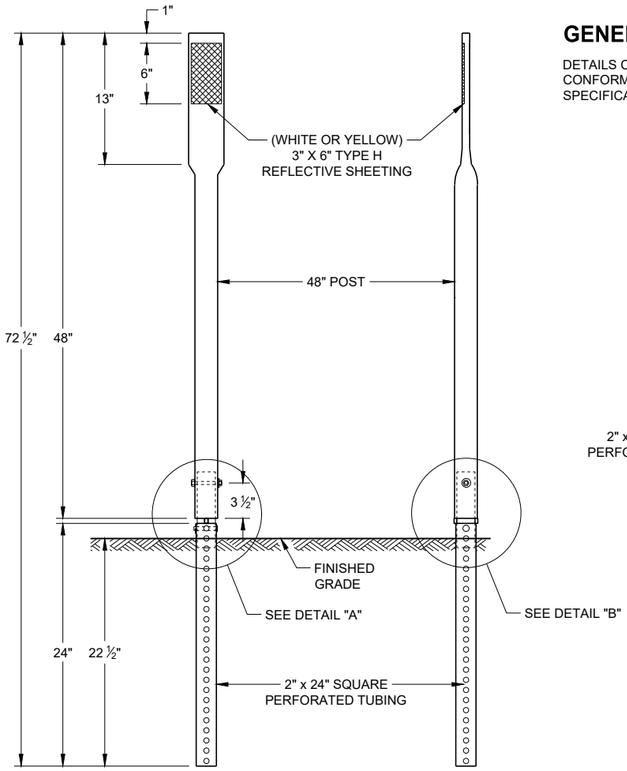
ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2

FLEXIBLE DELINEATOR POSTS

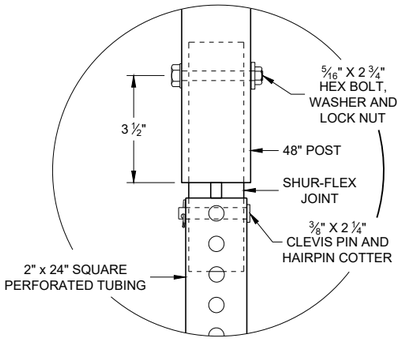


FRONT VIEW SIDE VIEW

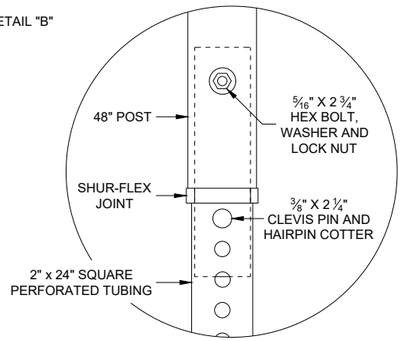
ALTERNATE 3

GENERAL NOTES

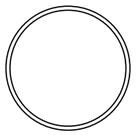
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



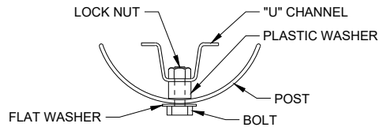
DETAIL A



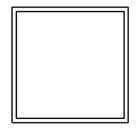
DETAIL B



SECTION A - A



SECTION B - B

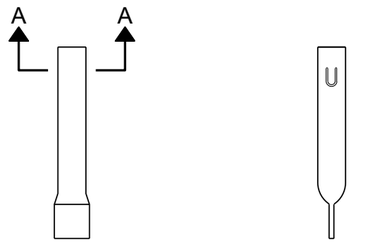


SECTION C - C

REFLECTOR SPACING TABLE

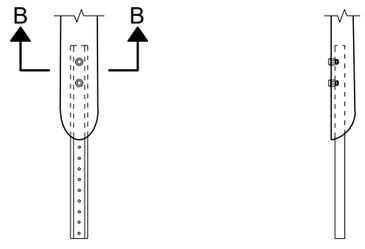
REFLECTOR SPACING	LOCATION
* 100' C-C	RAMPS
400' C-C	MAINLINE

* START AT BEGINNING OF RAMP TAPER AND END AT END OF RAMP TAPER



FRONT VIEW SIDE VIEW

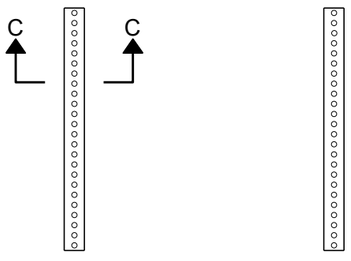
ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2

FLEXIBLE MARKER POST ANCHORS



FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE DELINEATOR POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021
DATE

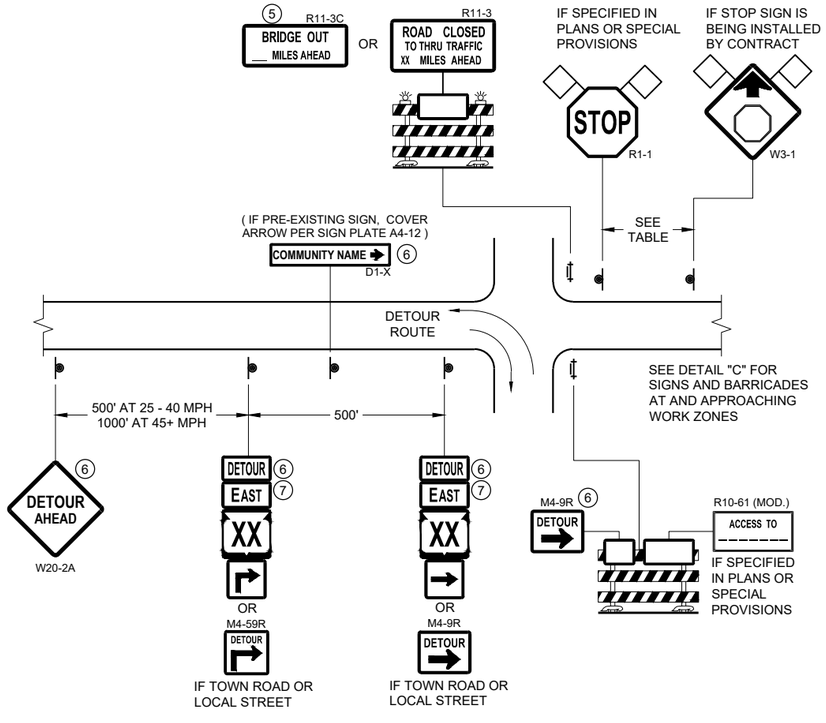
/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

6

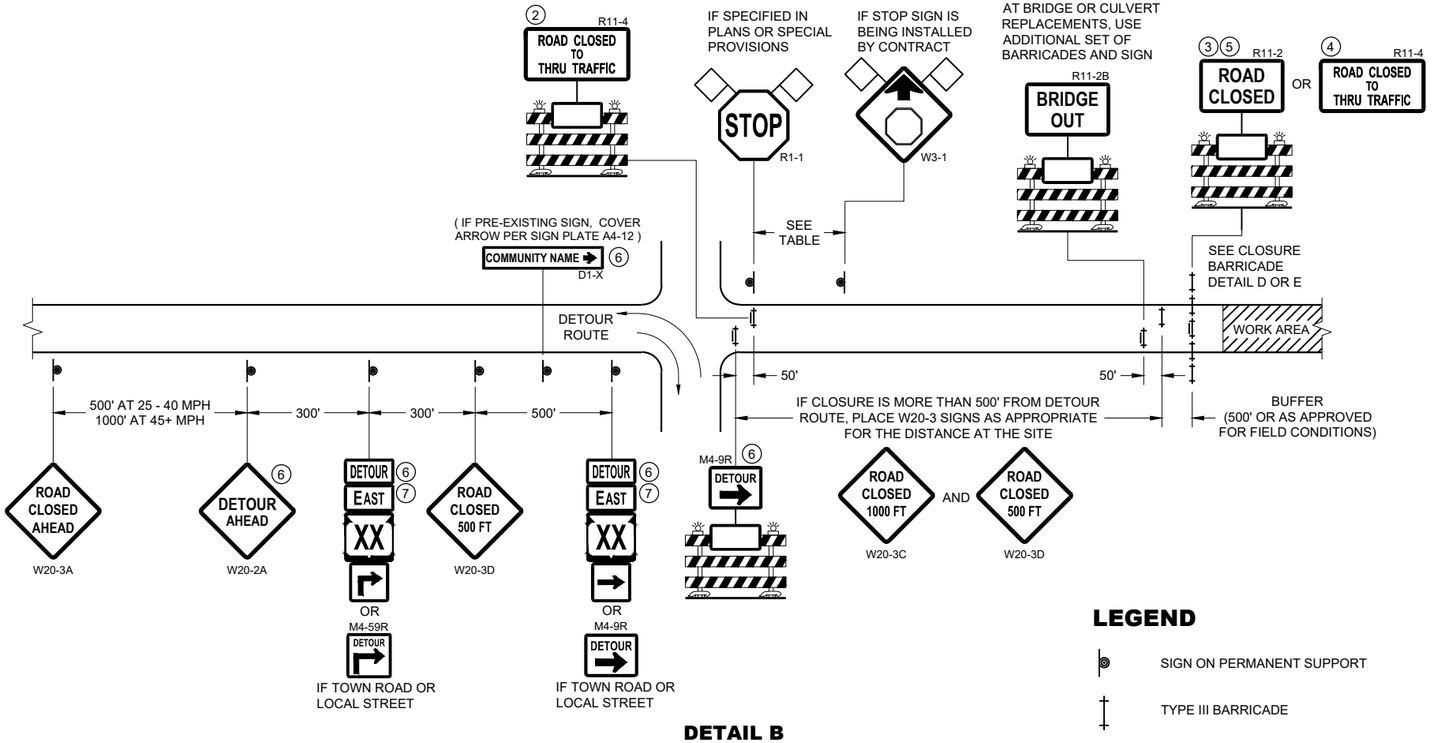
SDD 15A04 - 07a

SDD 15A04 - 07a



DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



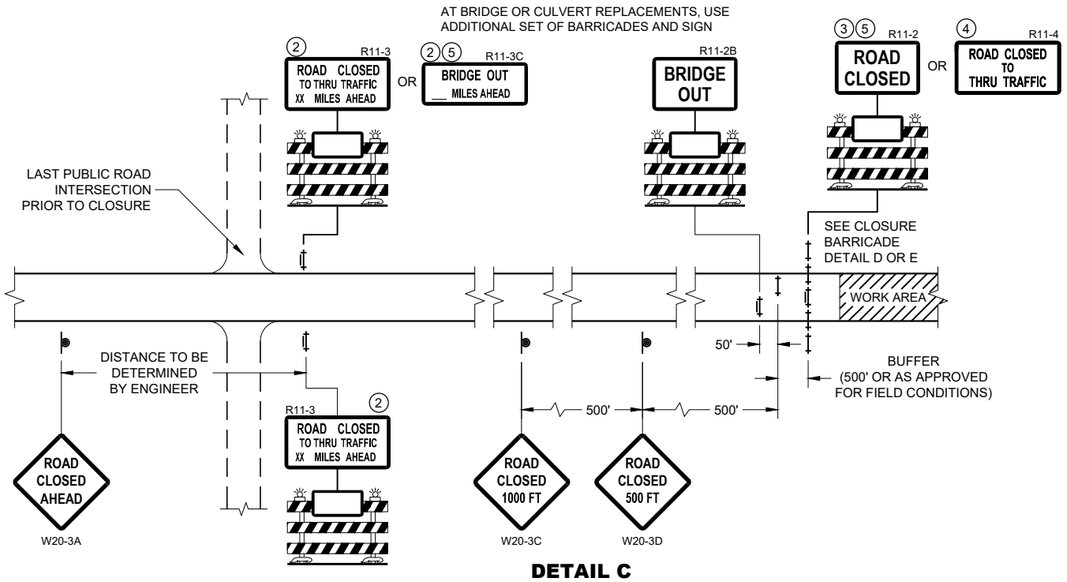
DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

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



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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

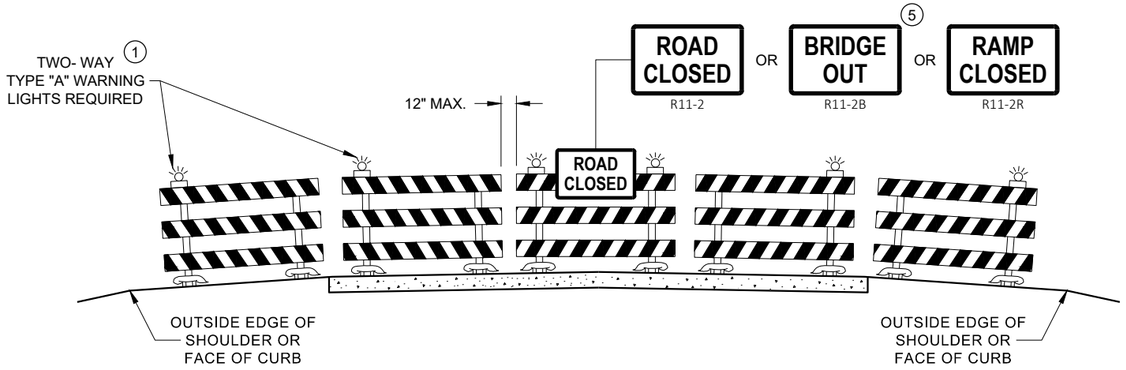
635

6

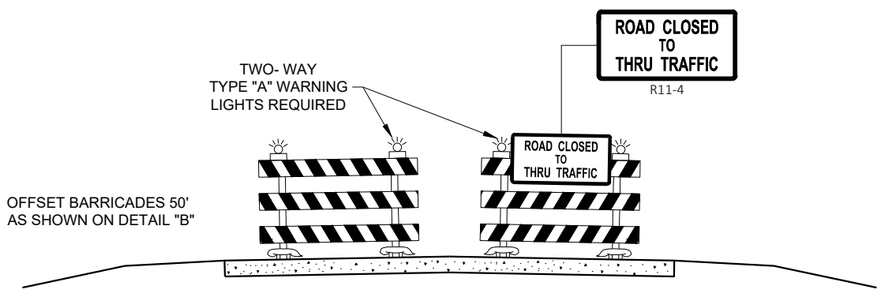
SDD 15C02 - 08a

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.

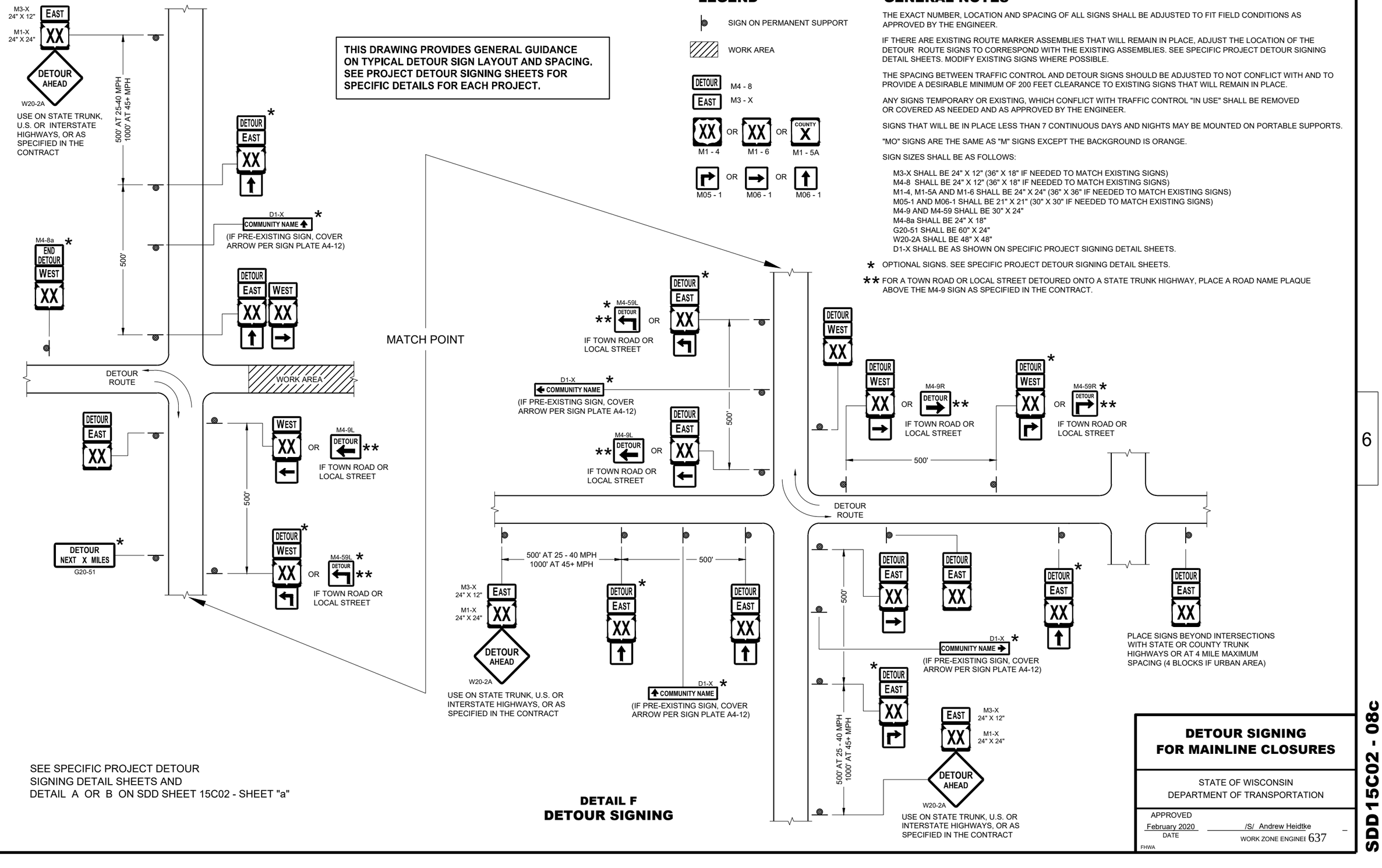
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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

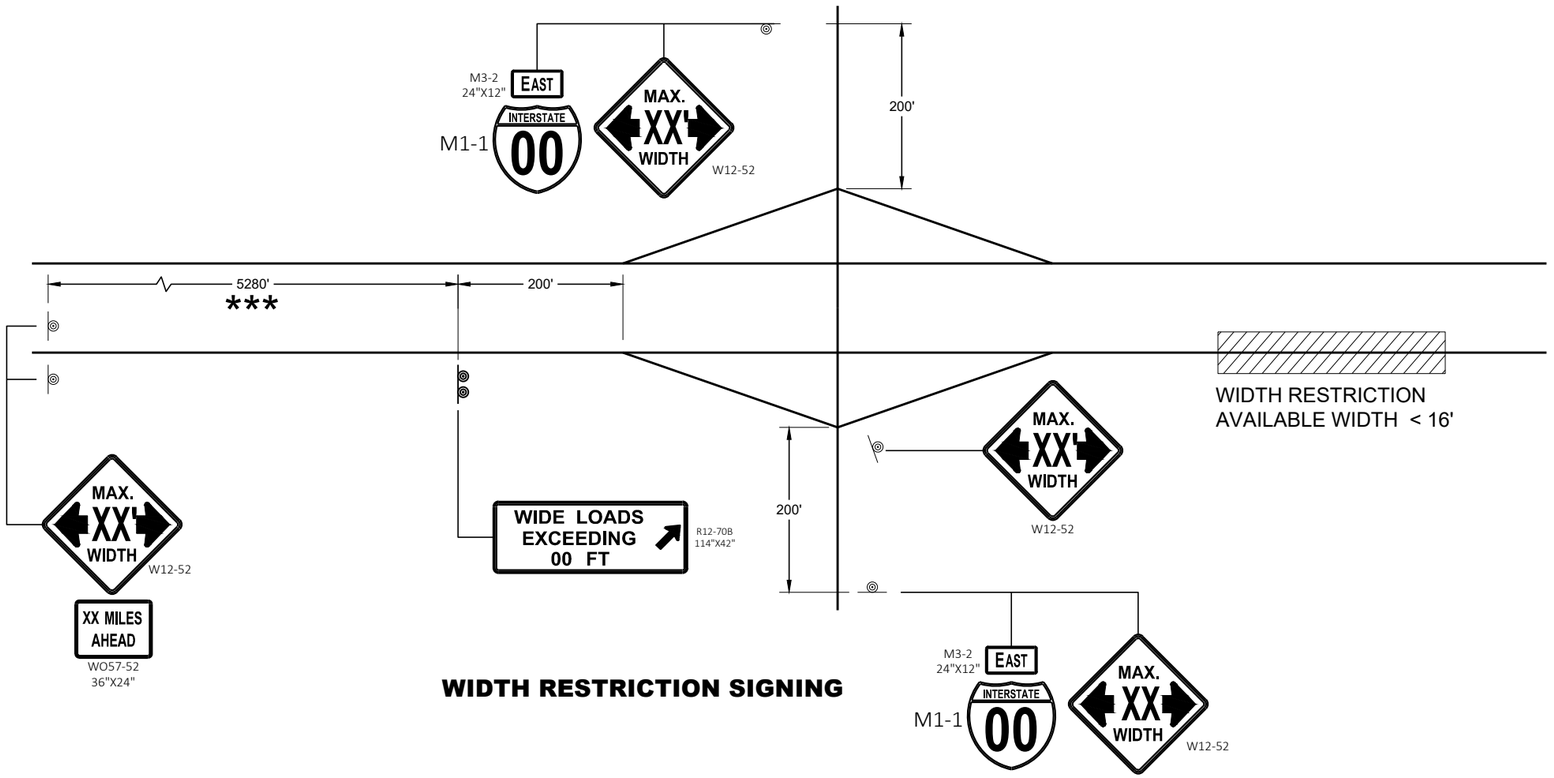
APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

637

SDD 15C02 - 08c
6



WIDTH RESTRICTION SIGNING

LEGEND

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS 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 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.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

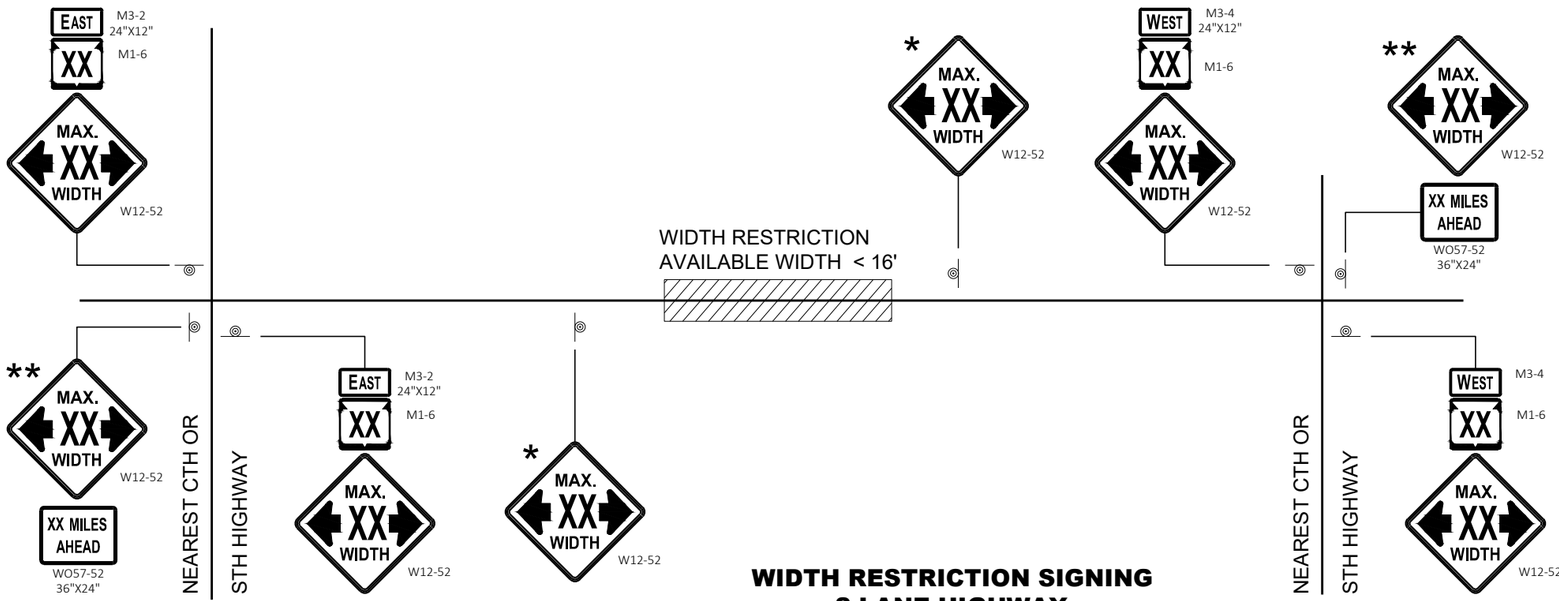
WIDTH ON SIGN TO BE APPROXIMATELY ONE FOOT LESS THAN AVAILABLE WIDTH.

* PLACE 500 FEET AFTER THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** SIGN SHALL BE VISIBLE FROM ROADWAY.

*** ADDITIONAL SIGNS NEEDED IF THERE IS AN ON RAMP BETWEEN SIGNS.

WIDTH ON SIGN TO BE APPROX. 1 - FOOT LESS THAN AVAILABLE WIDTH



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 638

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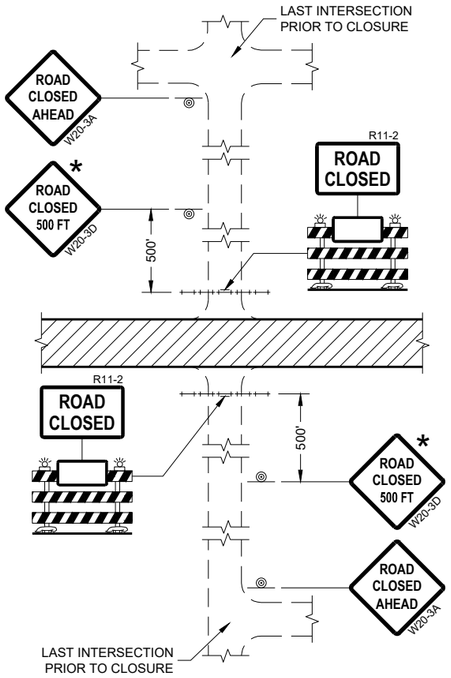
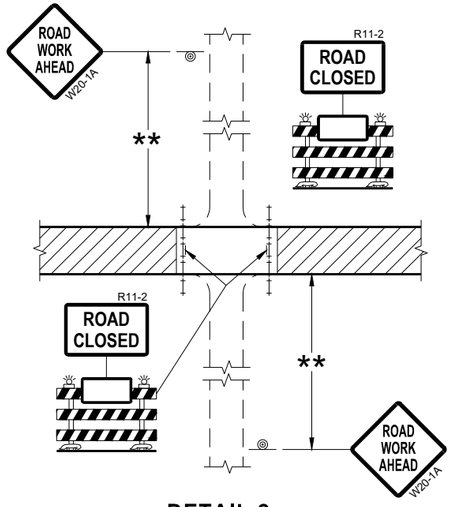
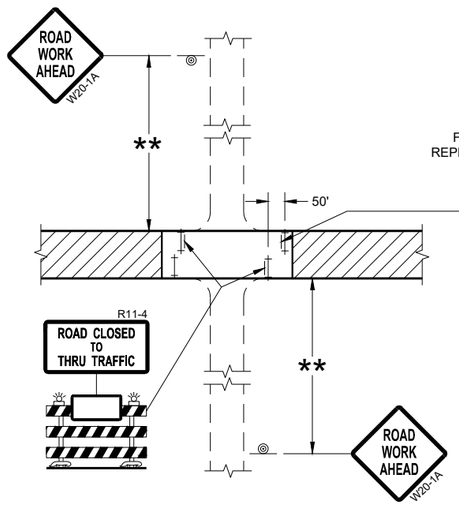
SDD 15C02 - 08f



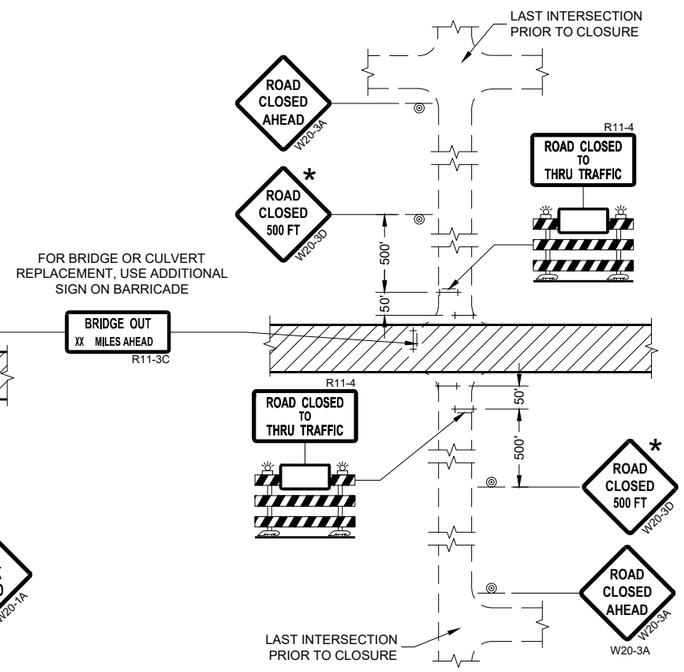
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C03 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

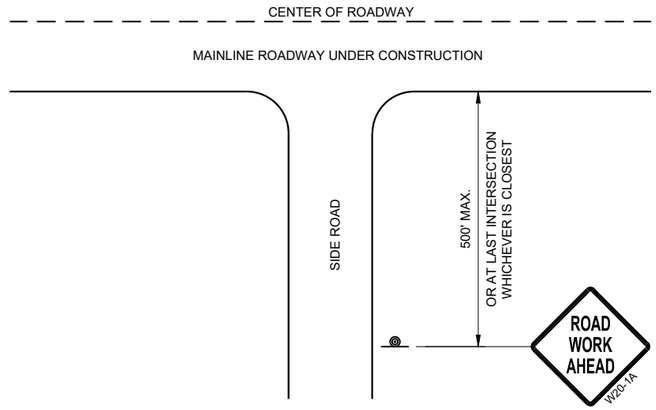
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



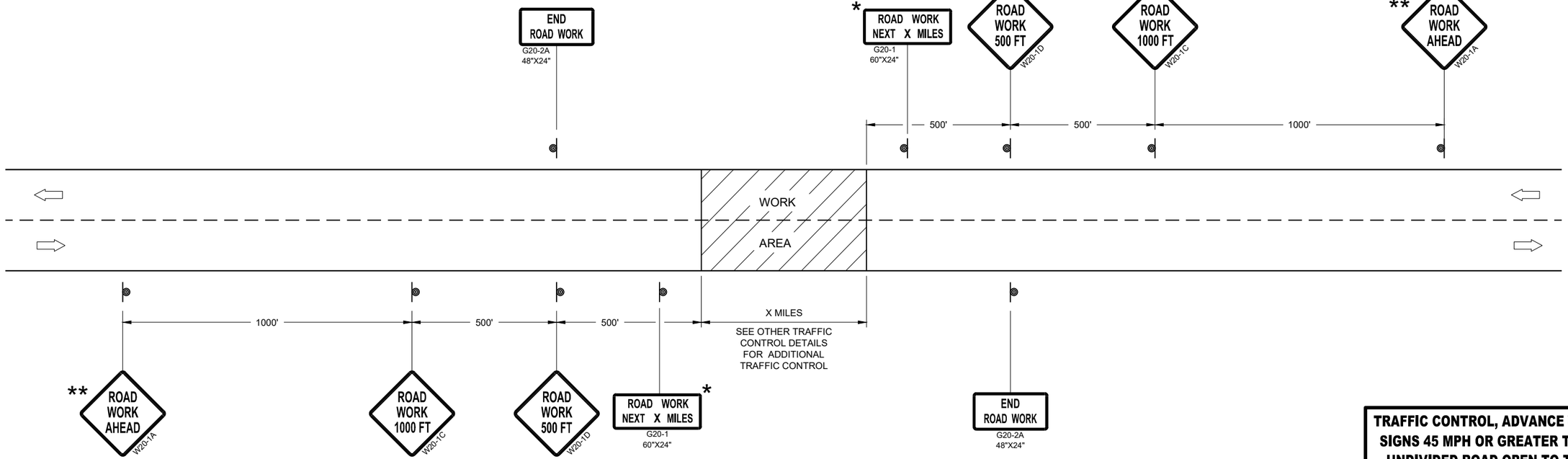
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C04 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

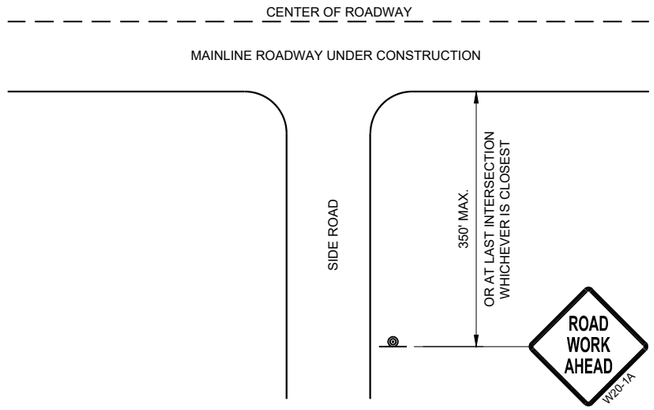
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



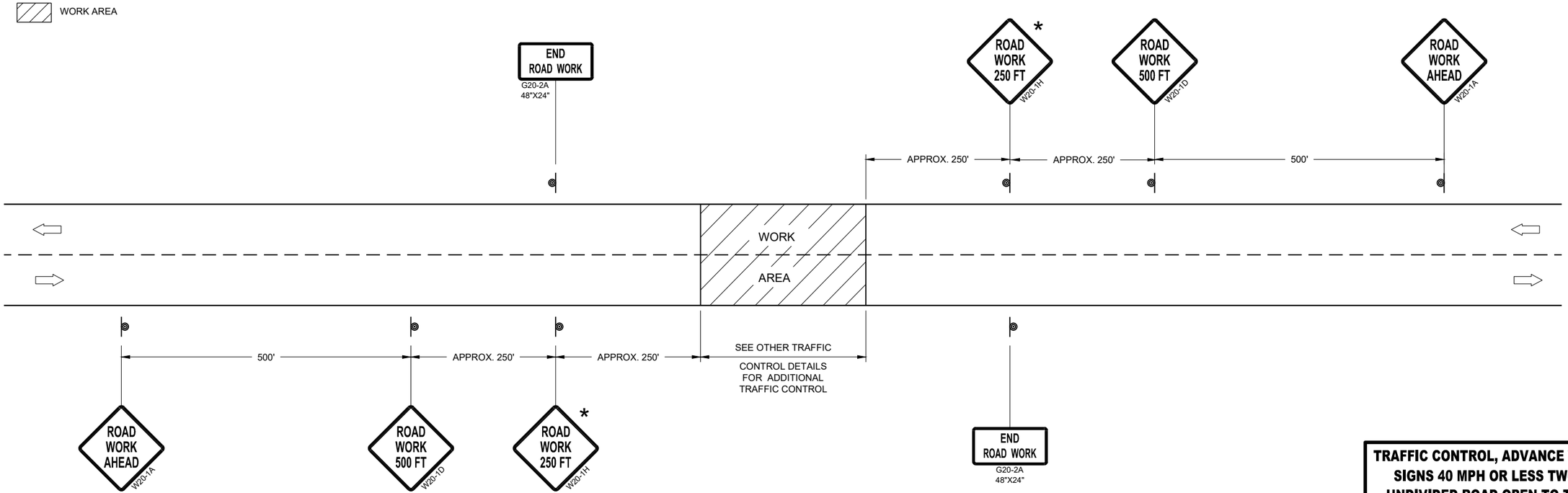
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
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July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

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SDD 15C05 - 05

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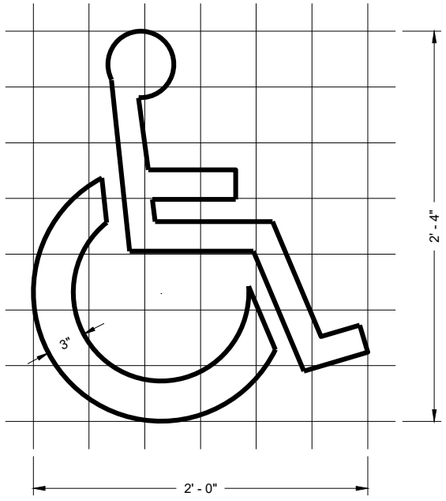
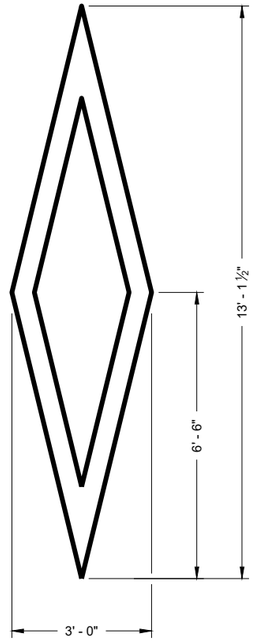
SDD 15C05 - 05

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.



HANDICAP SYMBOL



PREFERENTIAL LANE SYMBOL

6

6

SDD 15C07 - 15a

SDD 15C07 - 15a

PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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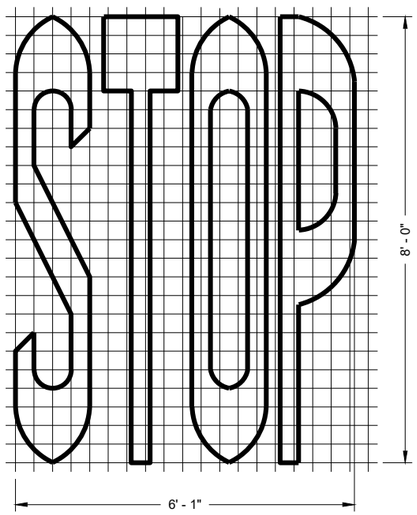
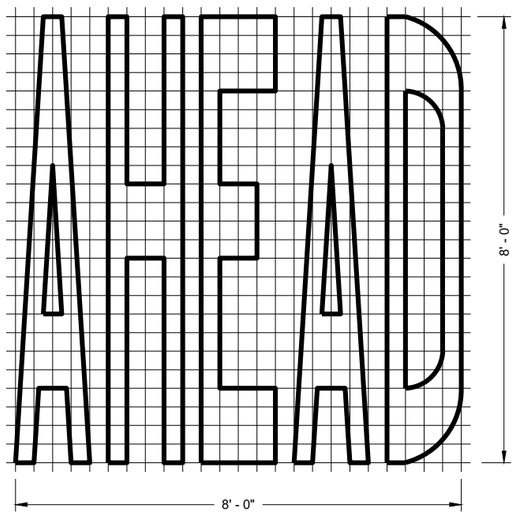
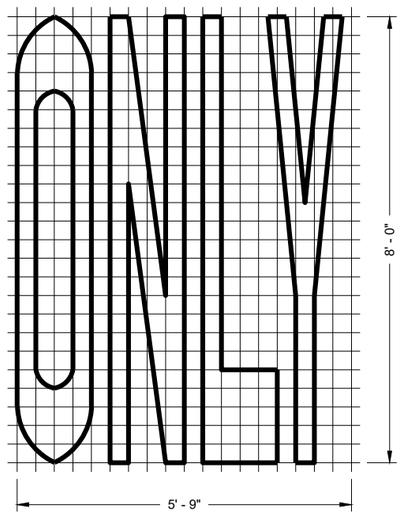
November 2019
DATE

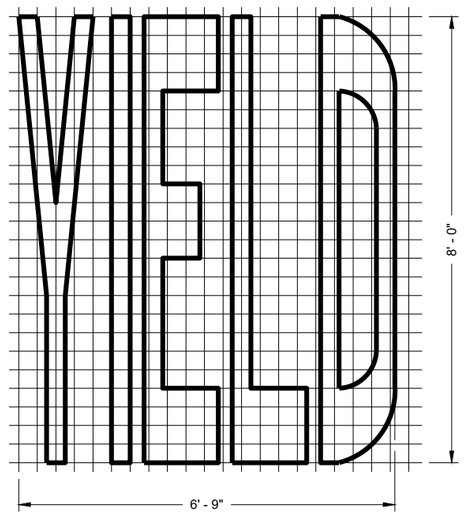
/S/ Matthew Rauch
STATE SIGNING AND MAR ENGINEER

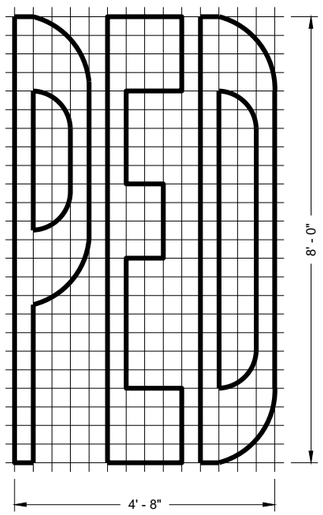
FHWA



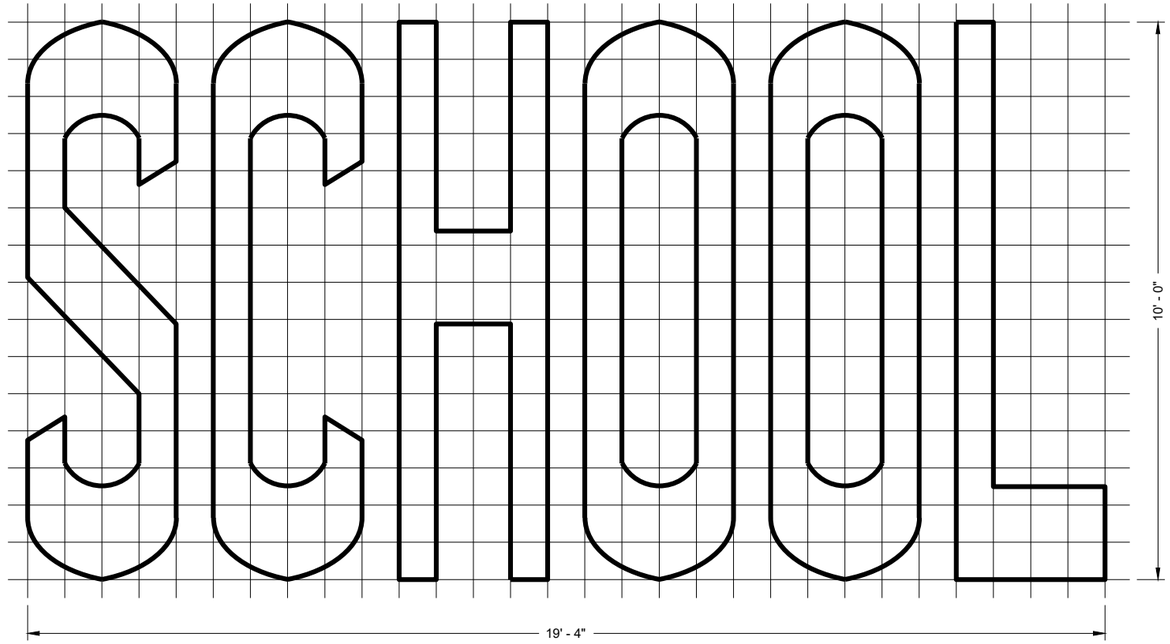








SINGLE LANE



TWO - LANE

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

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SDD 15C07 - 15b

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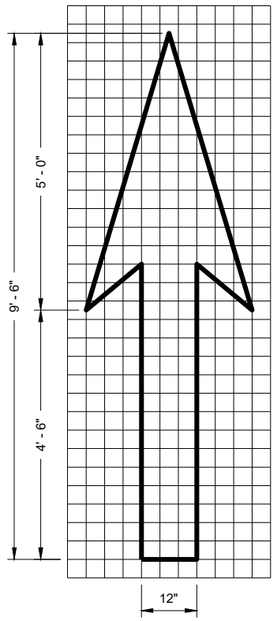
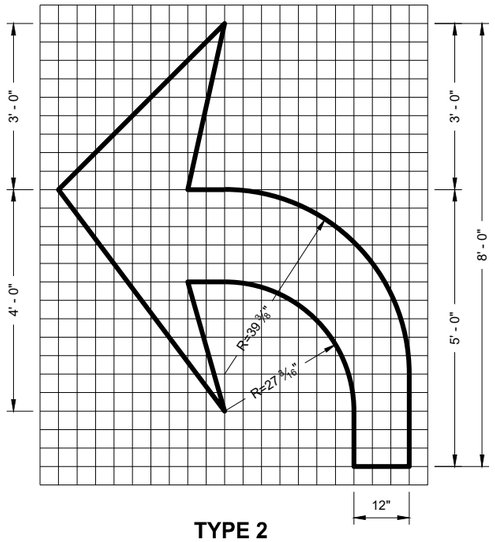
SDD 15C07 - 15b



TYPE 1



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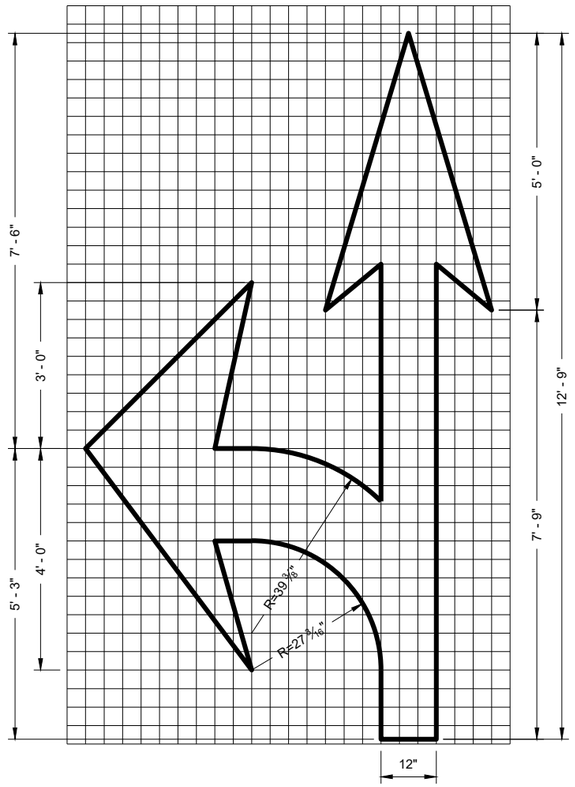
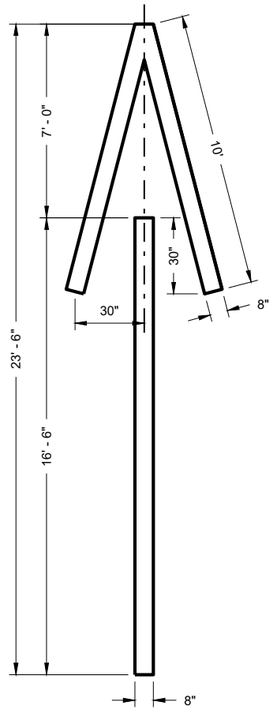


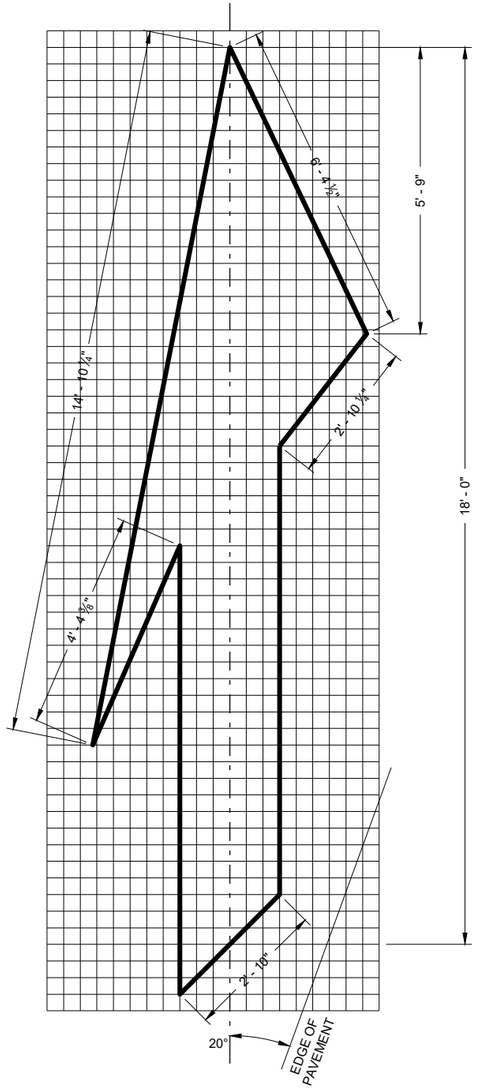
TYPE 3

GENERAL NOTES

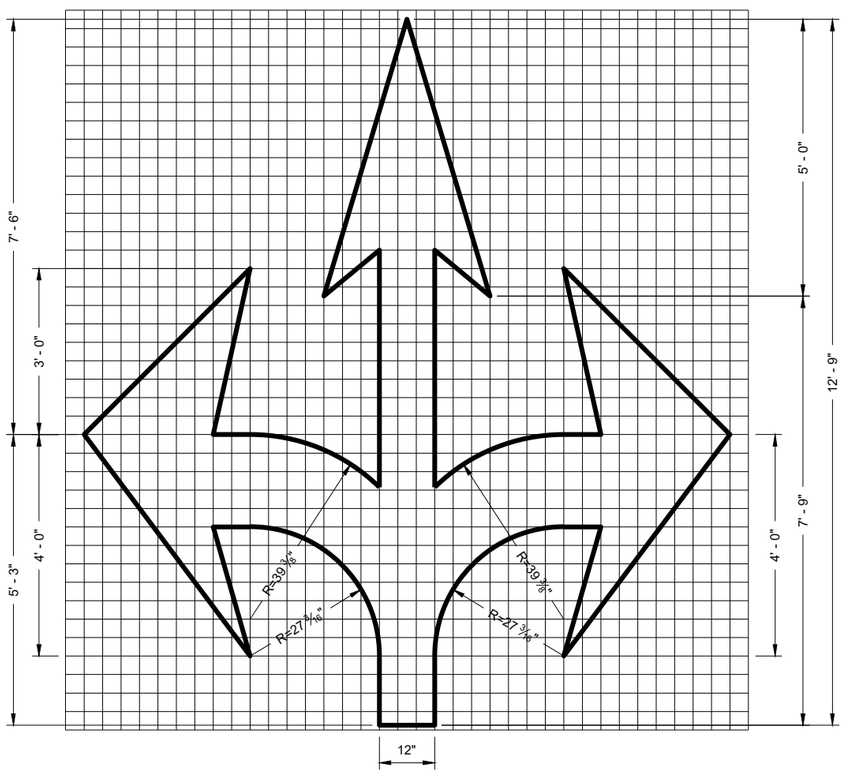
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



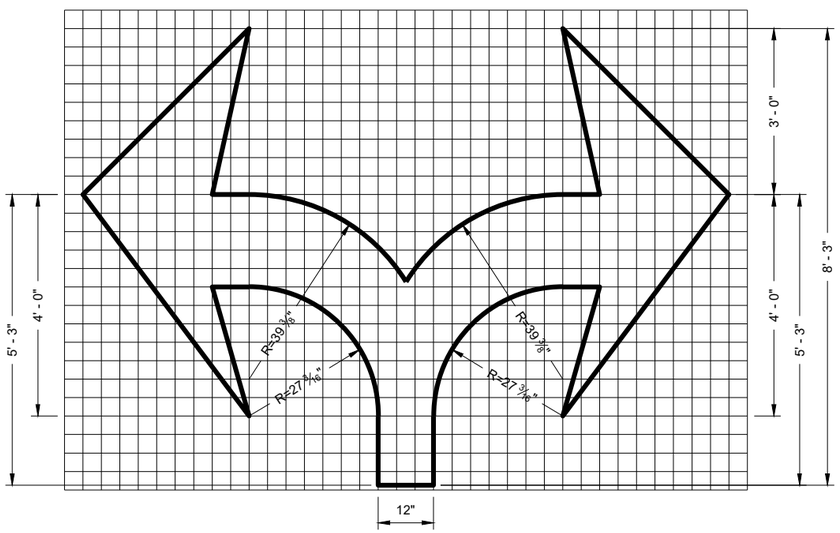
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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DATE

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STATE SIGNING AND MAF ENGINEER

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SDD 15C07 - 15c

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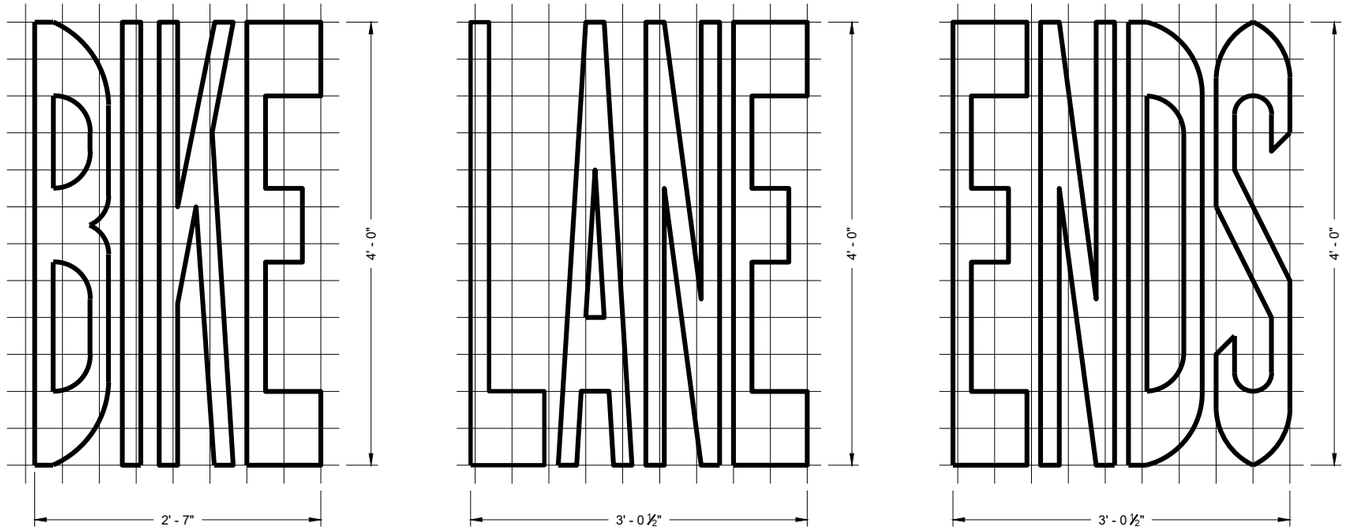
SDD 15C07 - 15c

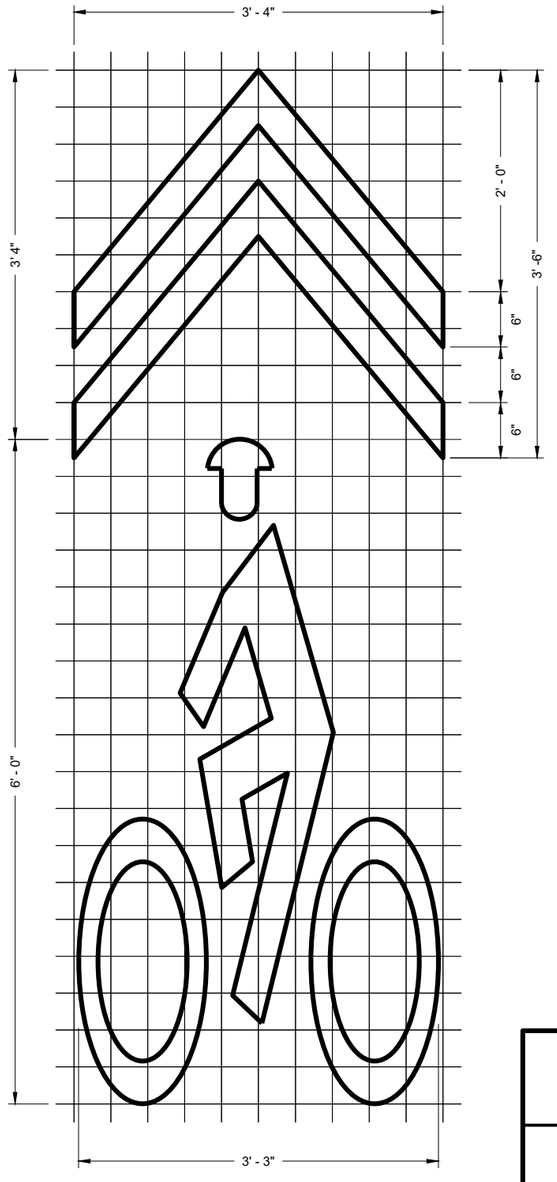
SDD 15C7-e Pavement Marking For Bike Lanes

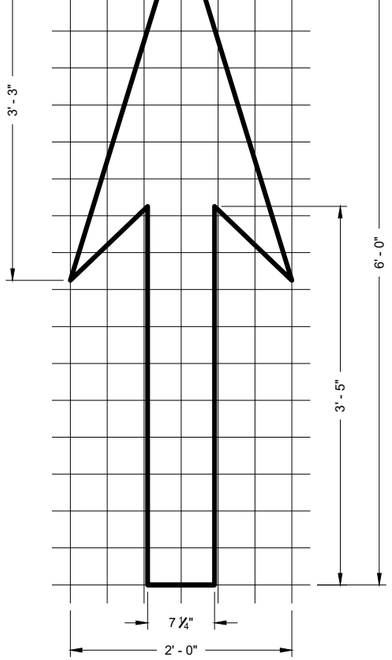


BIKE LANE WORDS

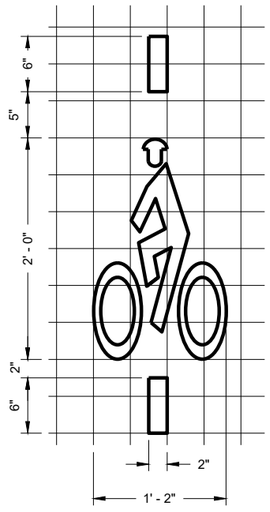
GENERAL NOTES

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.

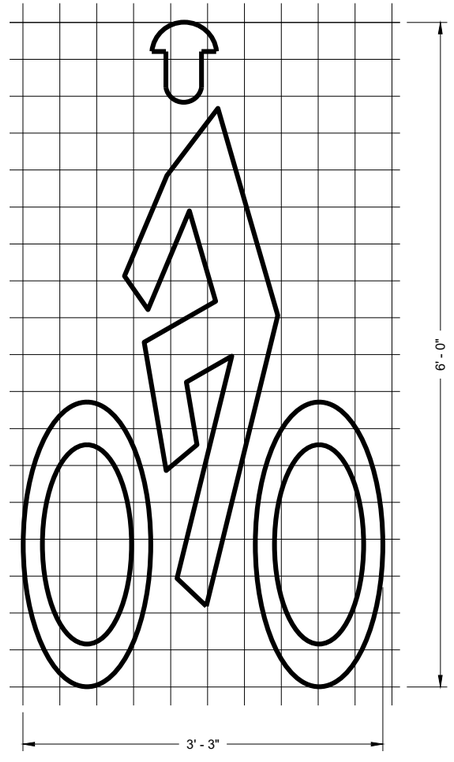




BIKE LANE ARROW



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

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SDD 15C07 - 15e

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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

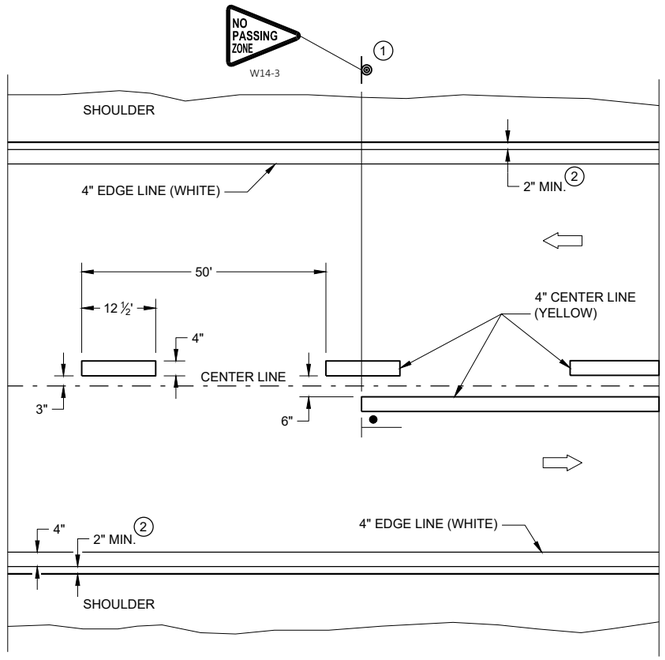
(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

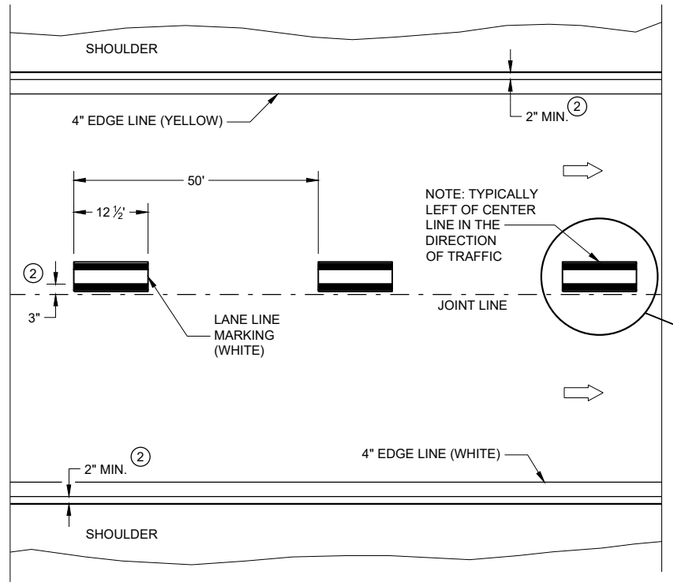
"T" MARKING

SIGN ON PERMANENT SUPPORT

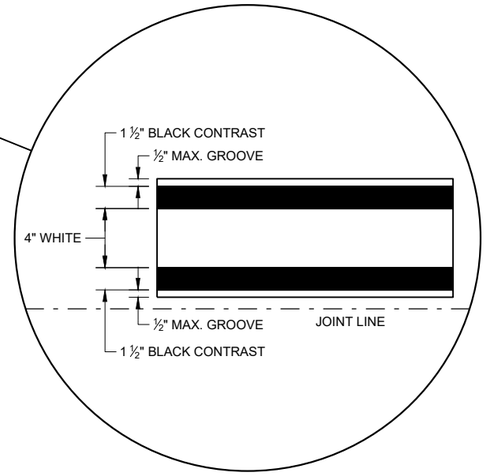
DIRECTION OF TRAFFIC



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

6

SDD 15C08 - 22a

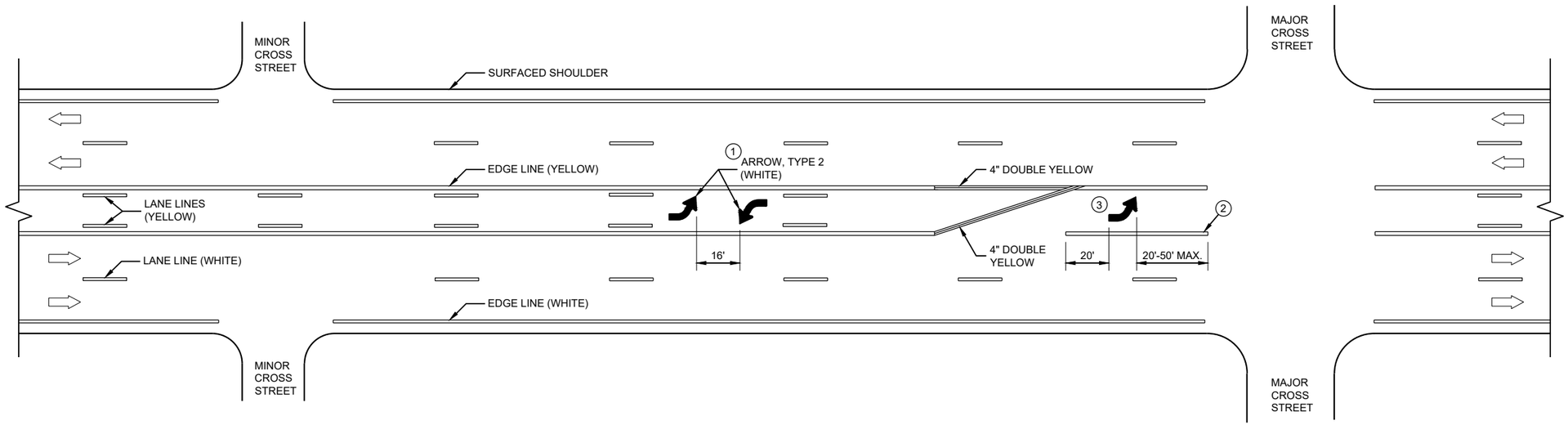
6

SDD 15C08 - 22a

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

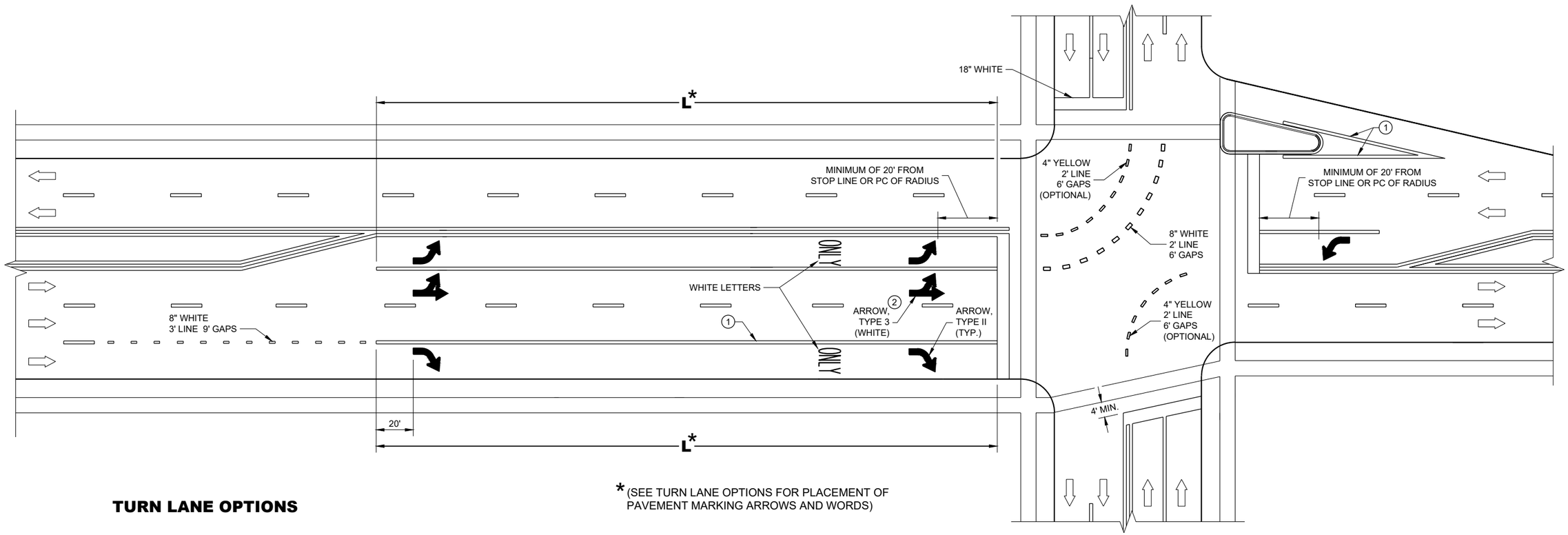
SDD 15C08 - 22c

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

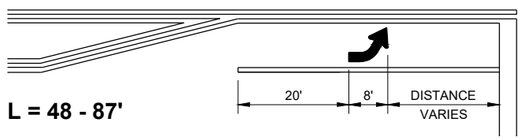
SDD 15C08 - 22c



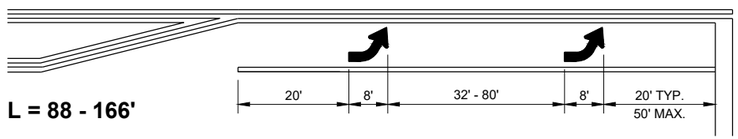
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

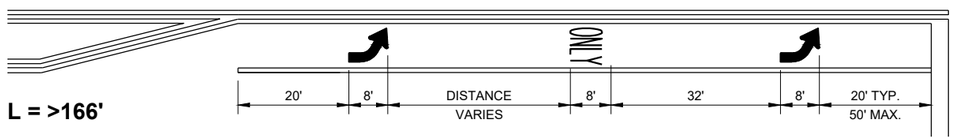
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



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

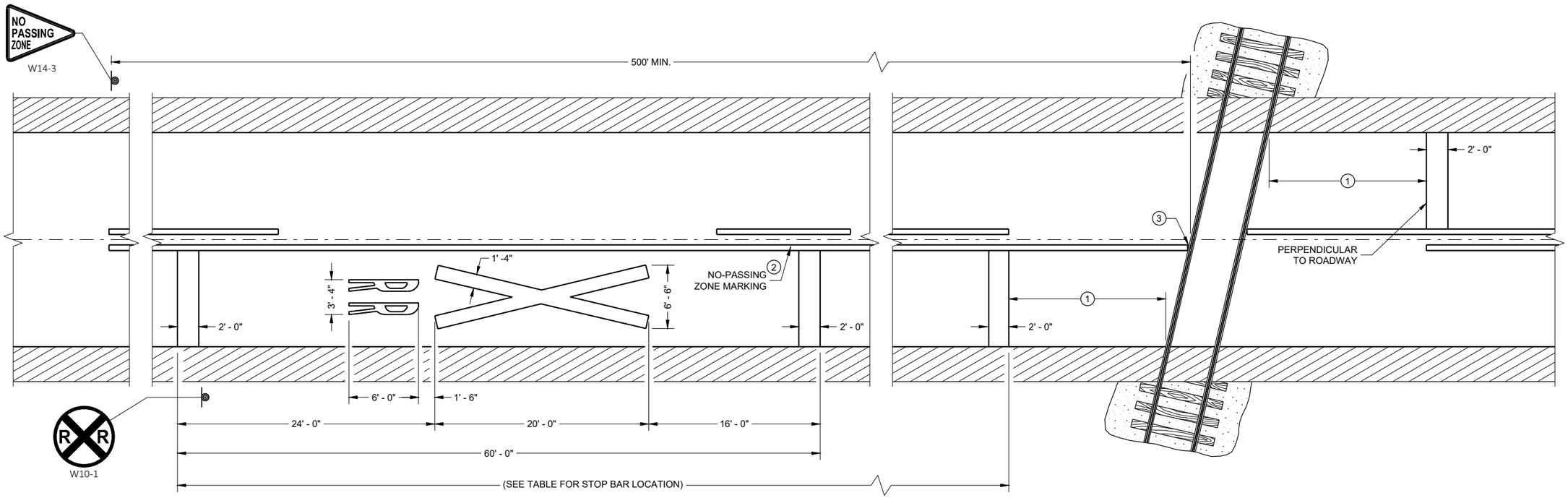
L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

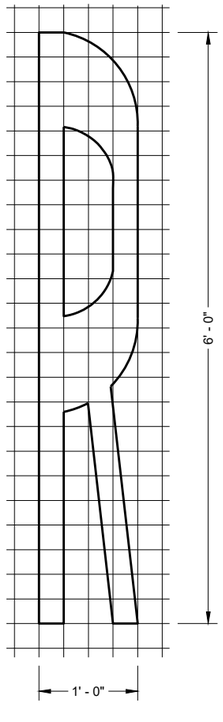
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C08 - 22d



PAVEMENT MARKING



LEGEND

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

TRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

(1) MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNAL , GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.

(2) 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.

(3) FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

DISTANCE TABLE

TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

POSTED SPEED (M.P.H.)	DIMENSION RANGE (FEET)
25	150* - 250'
30	200* - 300'
35	250* - 450'
40	300* - 500'
45	400* - 650'
50	550* - 800'
55	750* - 1000'
60	1000* - 1250'
65	1000* - 1250'

* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSED PROXIMITY OF DRIVEWAYS, BRIDGES, SIDE ROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.

SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD - HIGHWAY GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

649

FHWA

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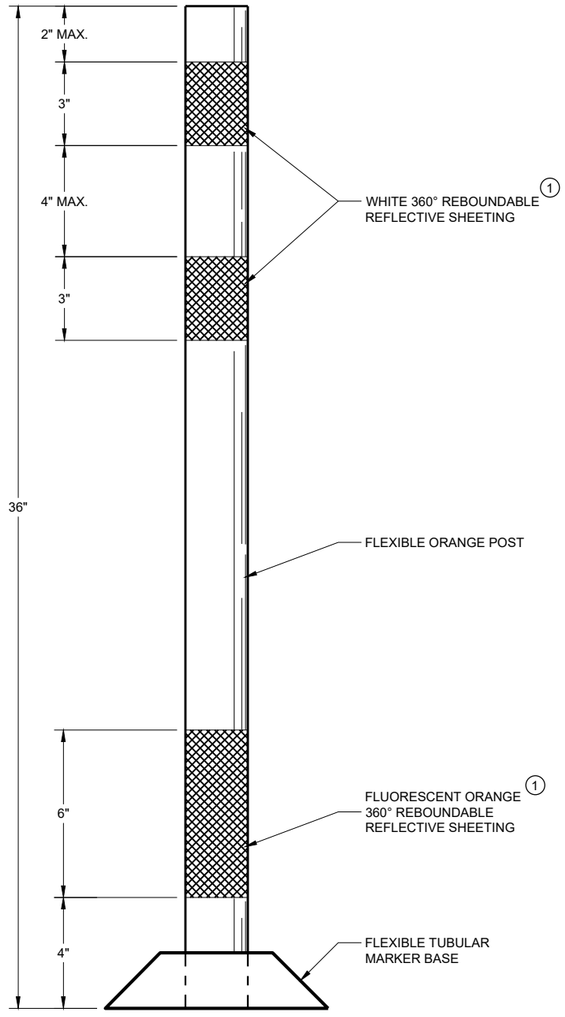
SDD15C09 - 12a



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
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

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FHWA

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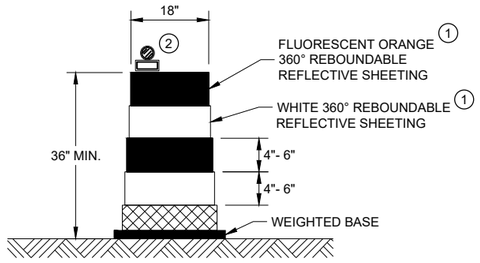
SDD 15C11 - 10a

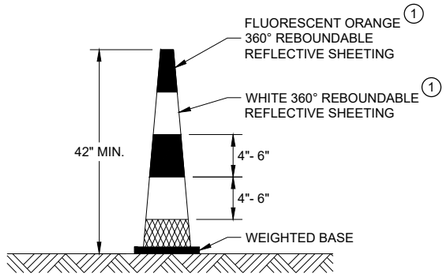
GENERAL NOTES

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

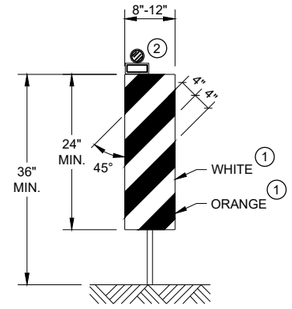
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

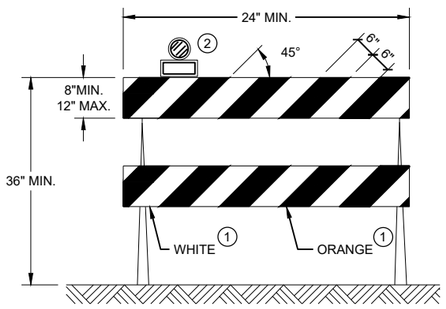
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



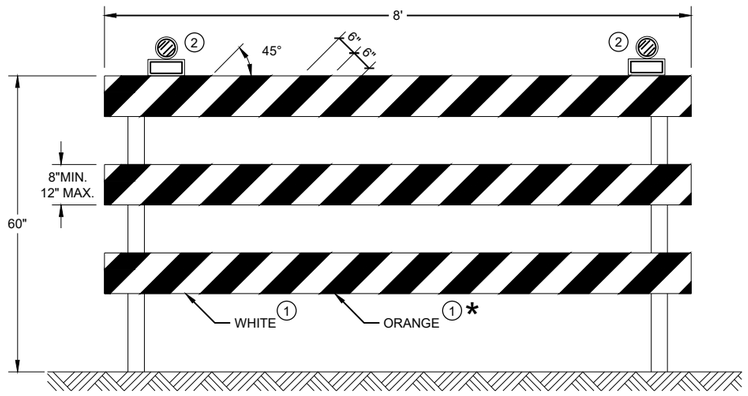
VERTICAL PANEL

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
November 2022
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

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SDD 15C11 - 10b

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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.

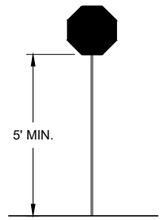
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

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.



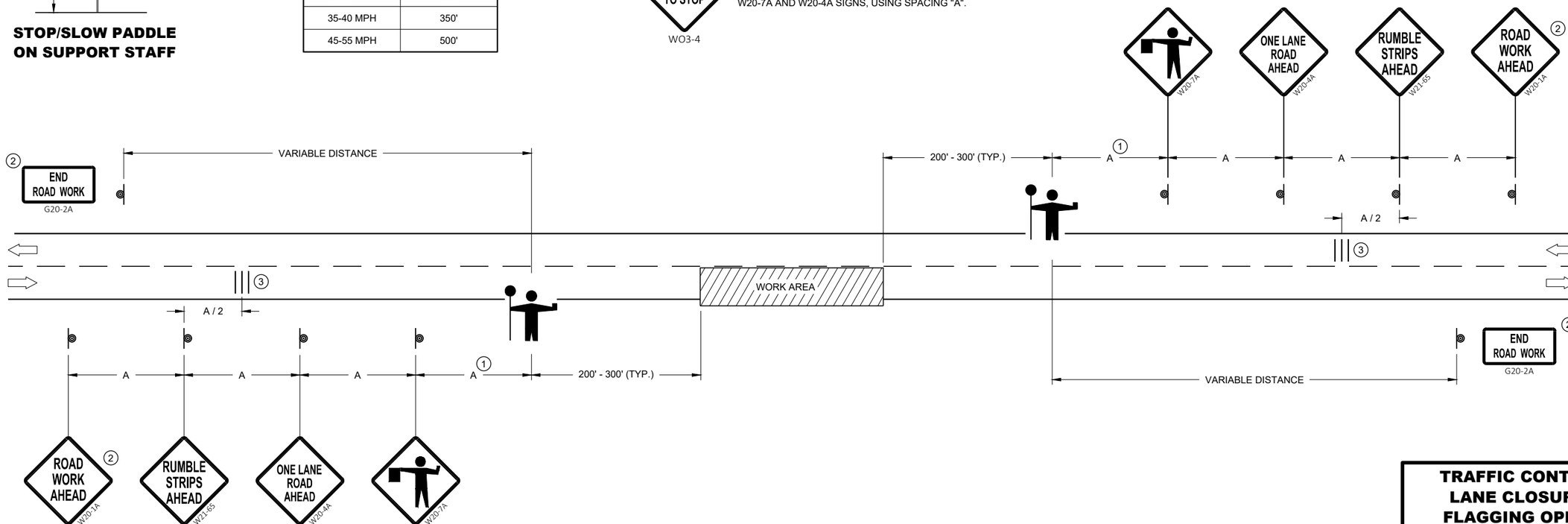
STOP/SLOW PADDLE ON SUPPORT STAFF

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 ENGINEE 652

FHWA

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SDD 15C12 - 09a

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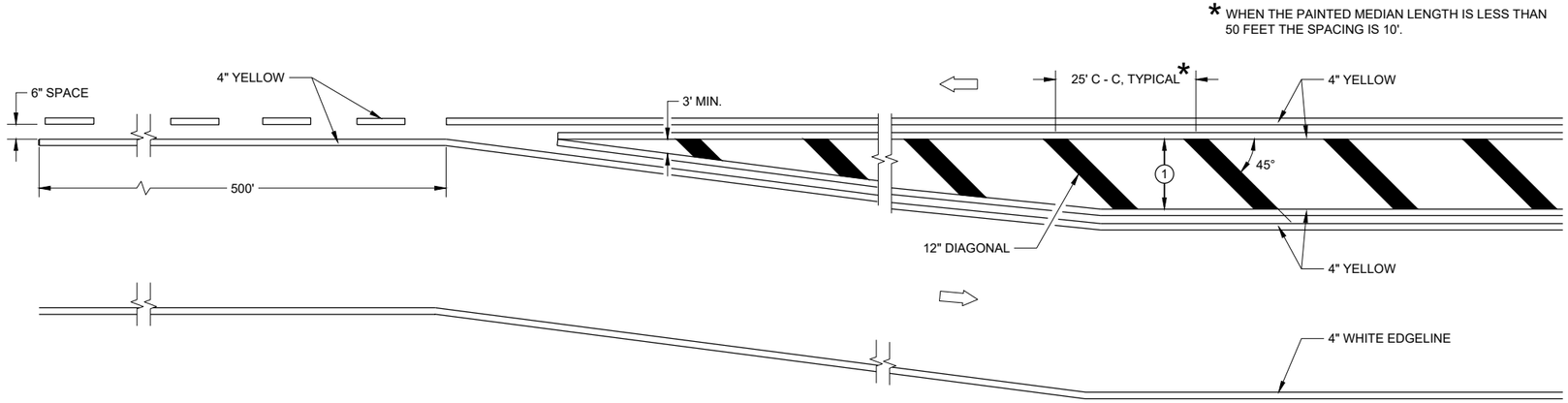
SDD 15C12 - 09a

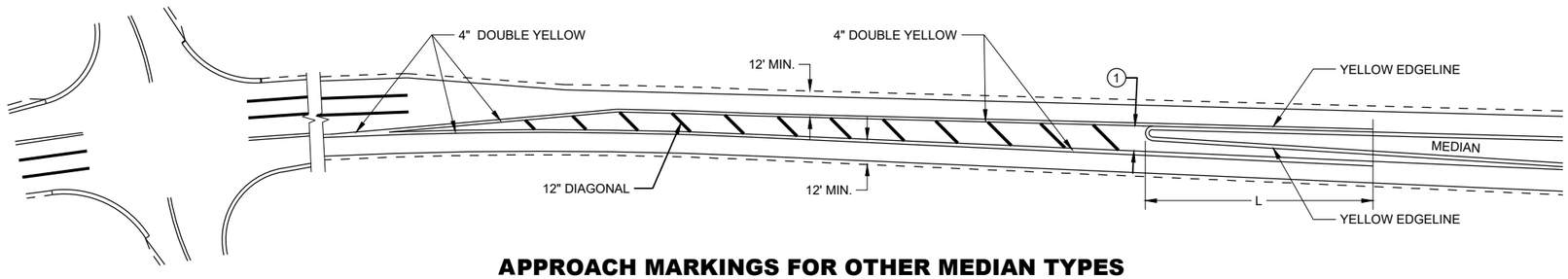


MEDIAN ISLAND DETAIL

GENERAL NOTES

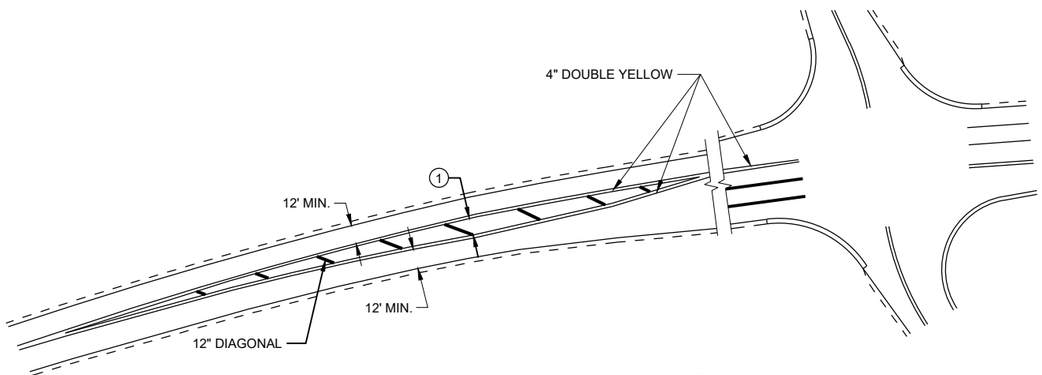
1. DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES

SPEED LIMIT	L
<35 MPH	5'
35> MPH	50'



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

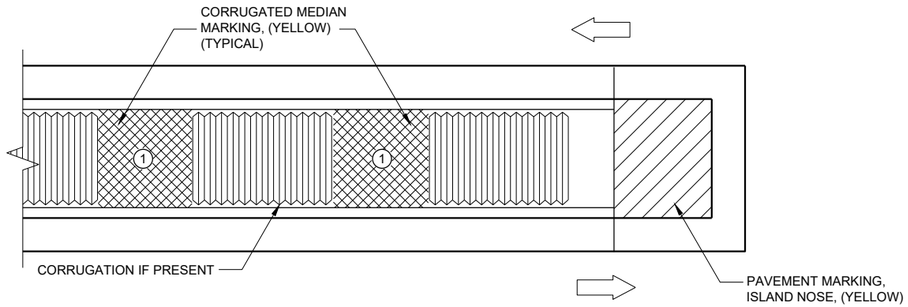
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022 — DATE
/S/ Jeannie Silver — STATE SIGNING AND MARKING ENGINEER
FHWA

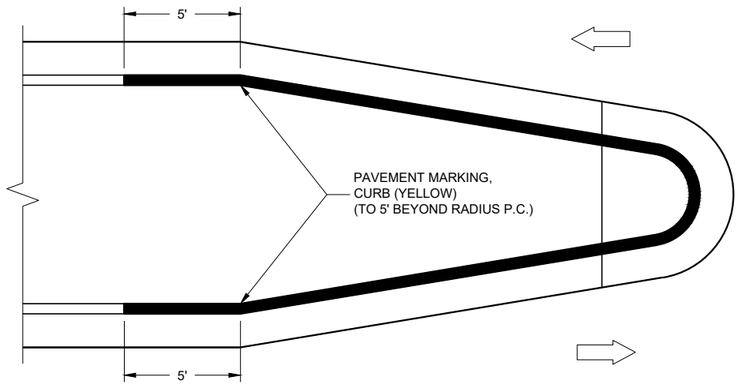
653

6

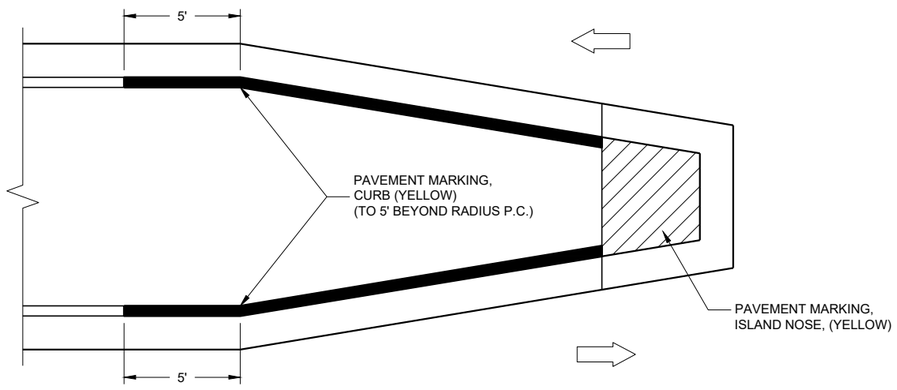
SDD 15C18 - 07a



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
November 2022
DATE

/S/ Jeannie Silver
STATE SIGNING AND MAR ENGINEER

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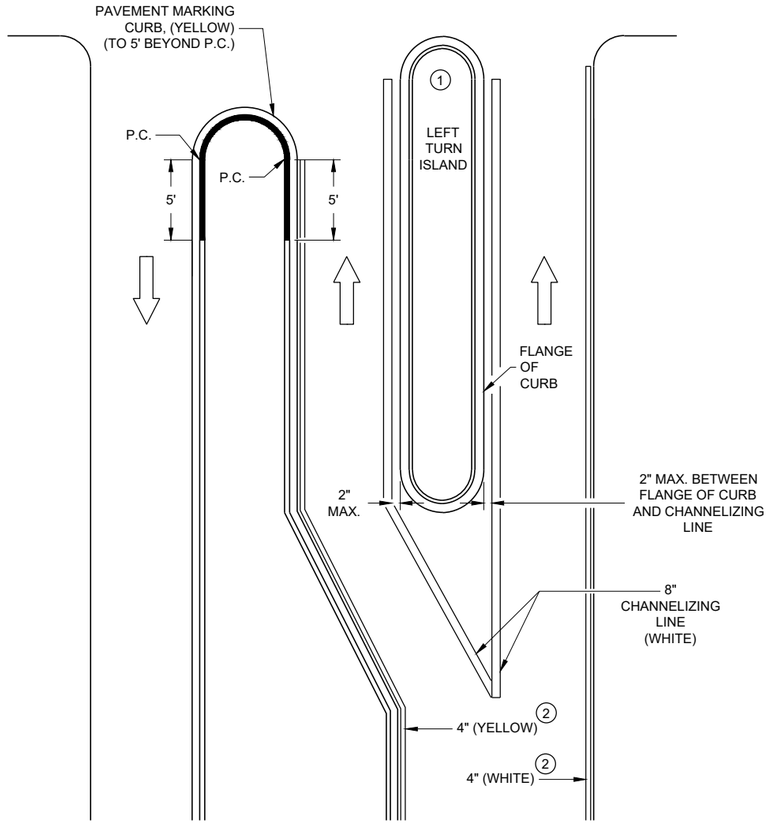
REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED



LEFT TURN & MEDIAN ISLAND

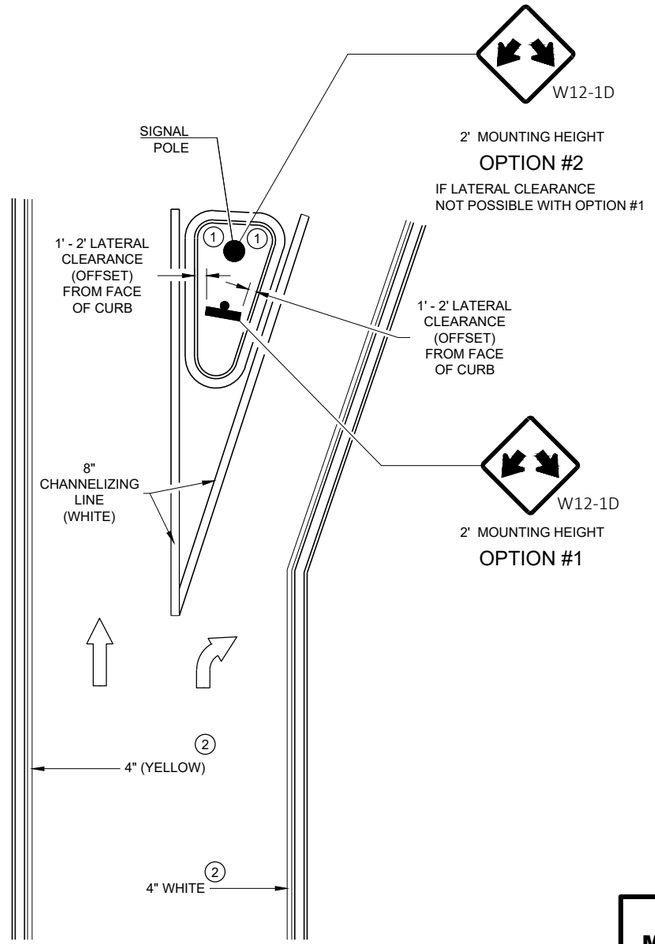
GENERAL NOTES

APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

1. MARK CURB NOSES YELLOW.
2. MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



RIGHT TURN ISLAND

MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

November 2022
DATE

/S/ Jeannie Silver
STATE SIGNING AND MAF ENGINEER

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SDD 15C18 - 07c

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SDD 15C18 - 07c

LEGEND

V1 MARKING VEHICLE

V2 SHADOW VEHICLE

V3 TRAIL VEHICLE

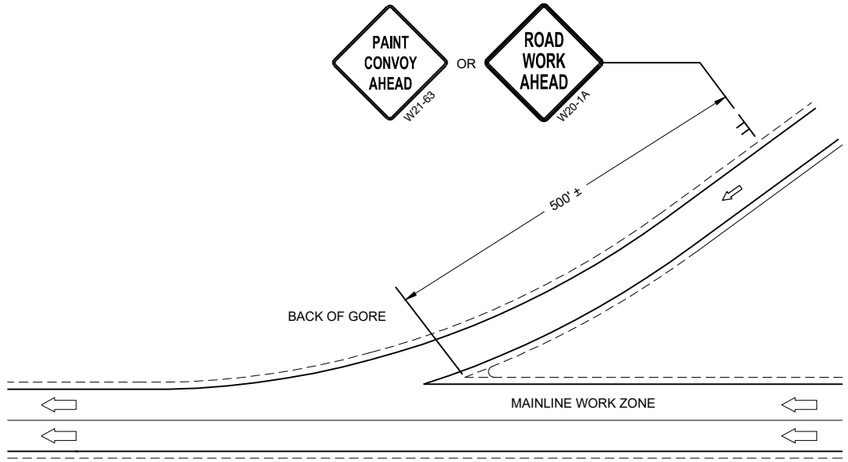
TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

FLASHING ARROW PANEL (MERGE)

FLASHING ARROW PANEL (CAUTION)



GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

IF THE SHOULDER IS TOO NARROW TO ACCOMMODATE THE LAST TRAILING VEHICLE, THE VEHICLE SHOULD STRADDLE THE EDGE LINE.

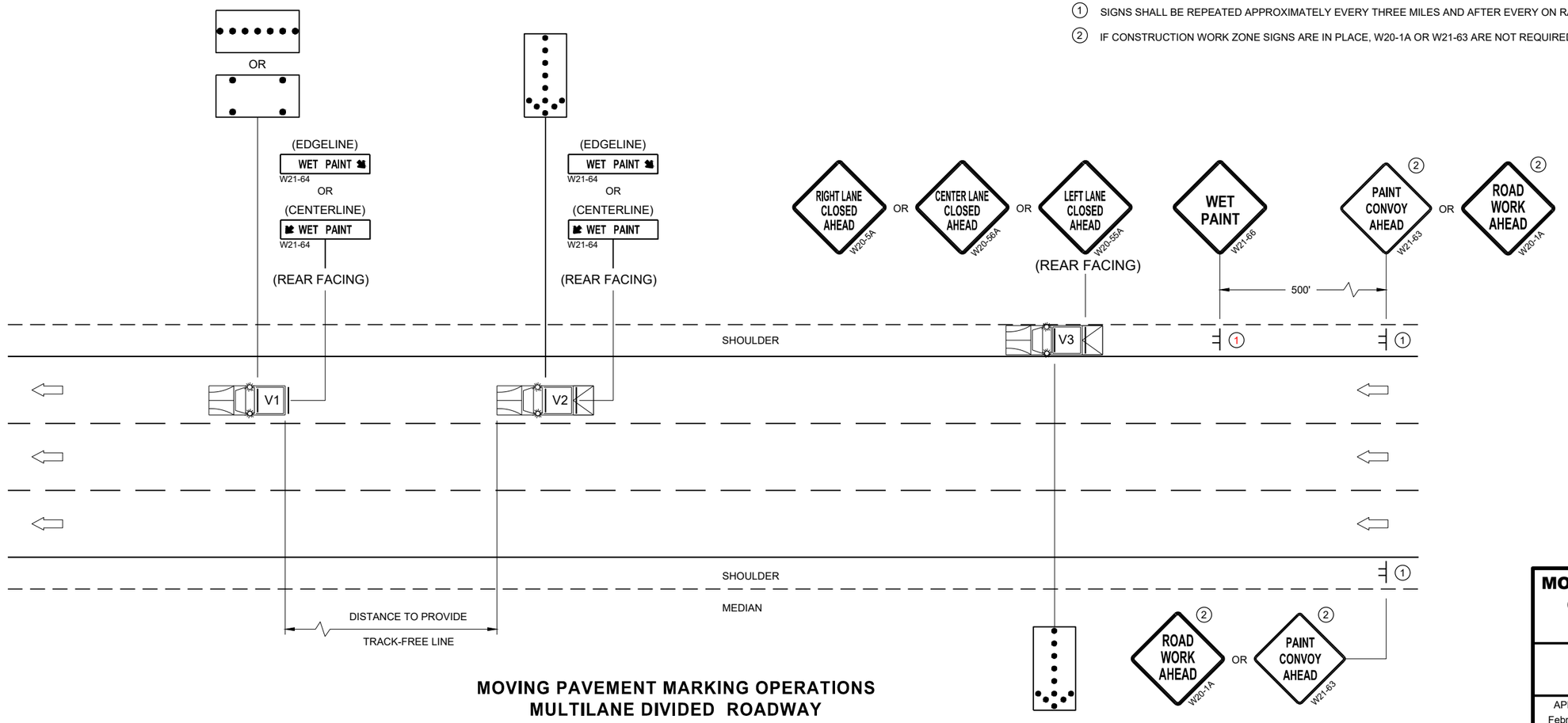
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC

CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM HEIGHT OF 28" FOR WET PAVEMENT MARKINGS

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES AND AFTER EVERY ON RAMP.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.



MOVING PAVEMENT MARKING OPERATIONS
MULTILANE DIVIDED ROADWAY

MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023
DATE

/S/ Andrew [illegible]
WORK ZONE EN

FHWA

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SDD 15C19-08c

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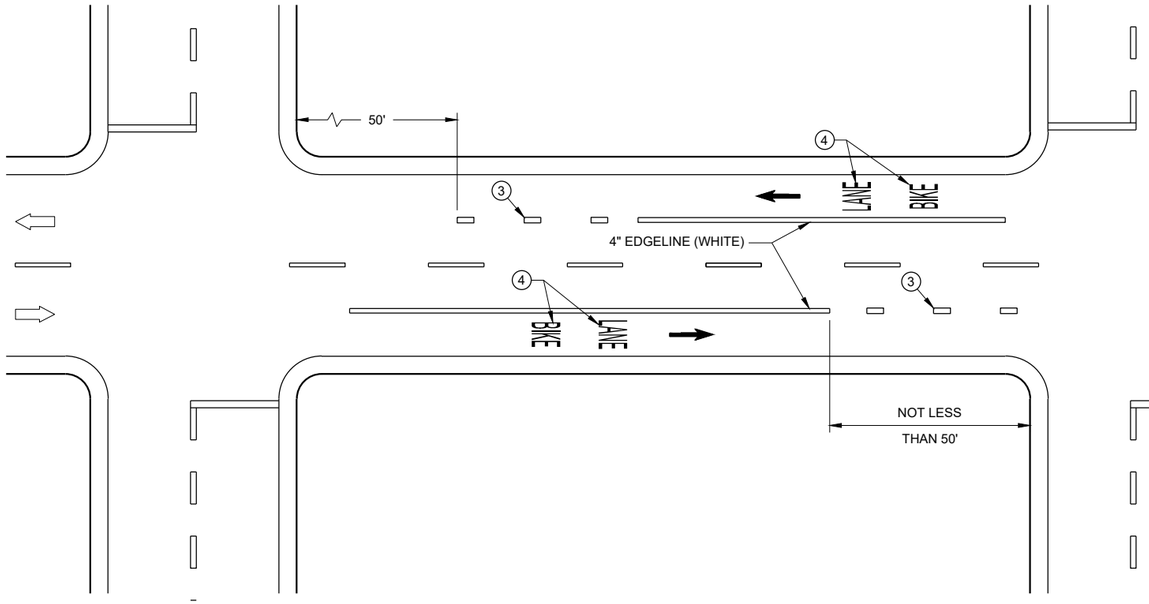
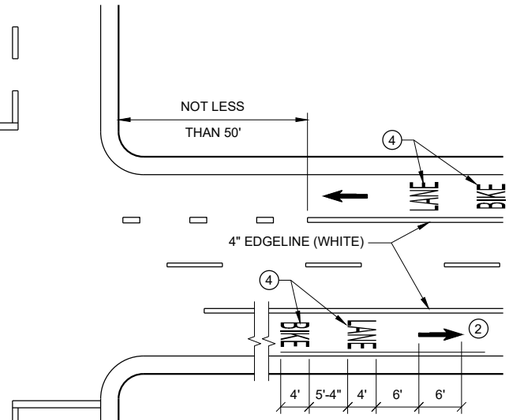
SDD 15C19-08c



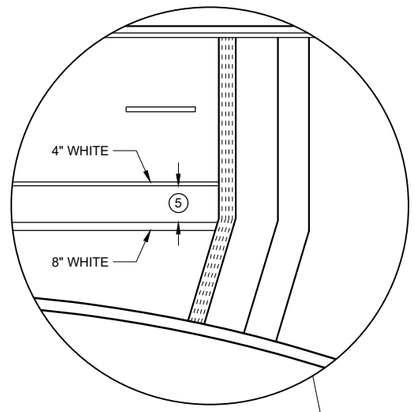


GENERAL NOTES

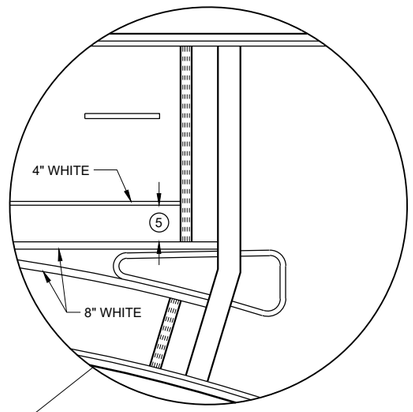
1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3' LINE, 9' GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY 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

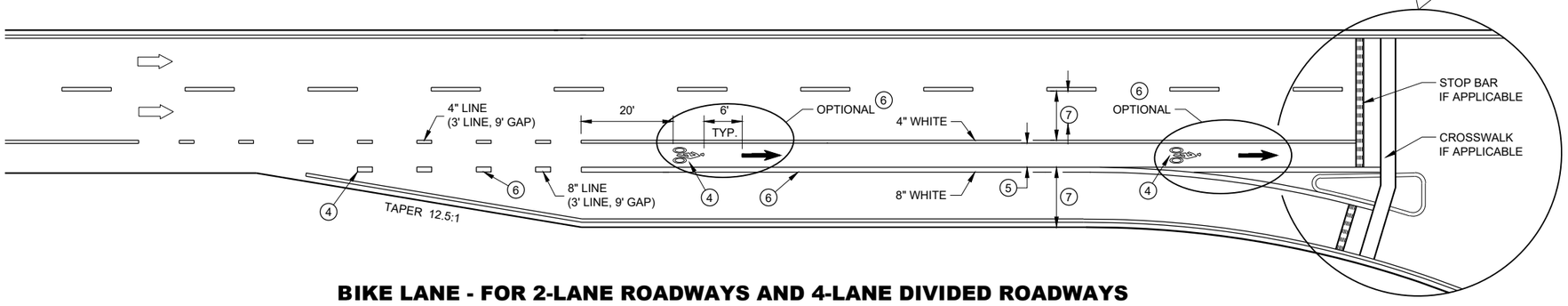
DESIGNATED BIKE LANE - NO PARKING



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 MARKING ENGINEER

FHWA

6

SDD 15C29 - 07a

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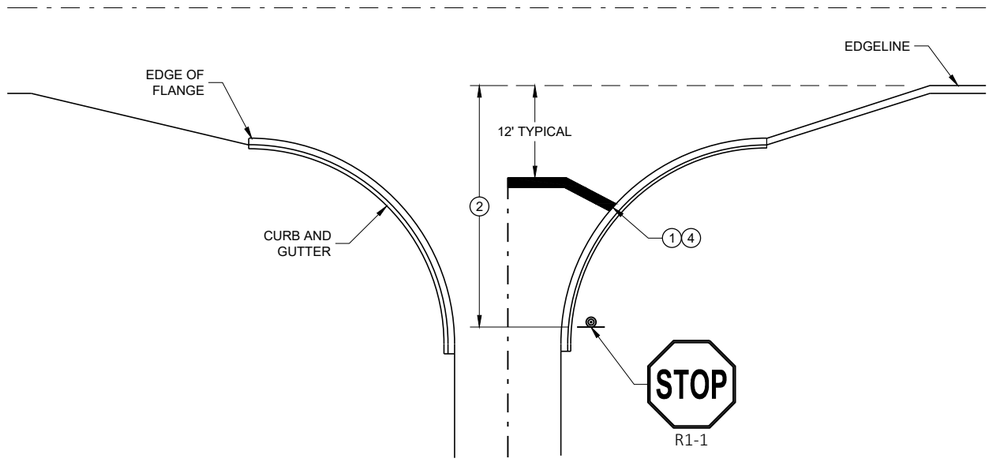
SDD 15C29 - 07a

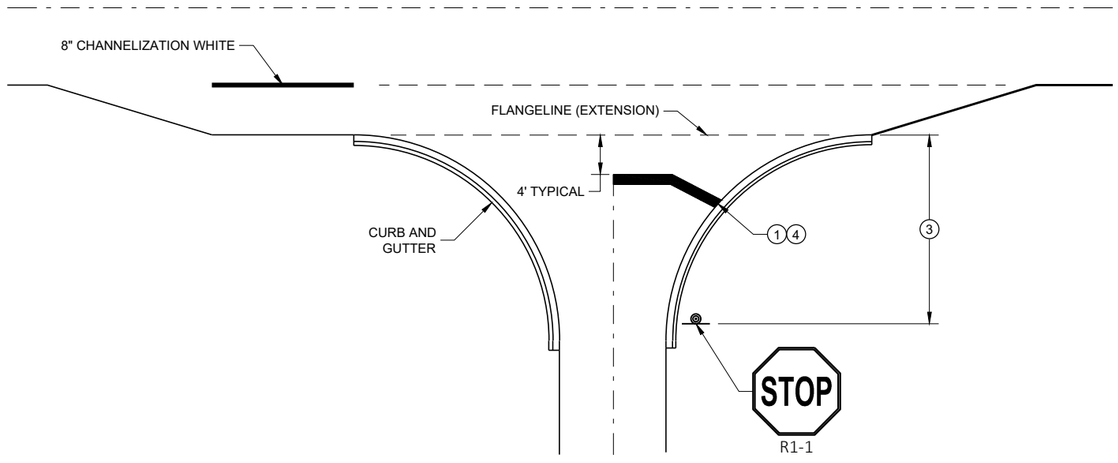
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

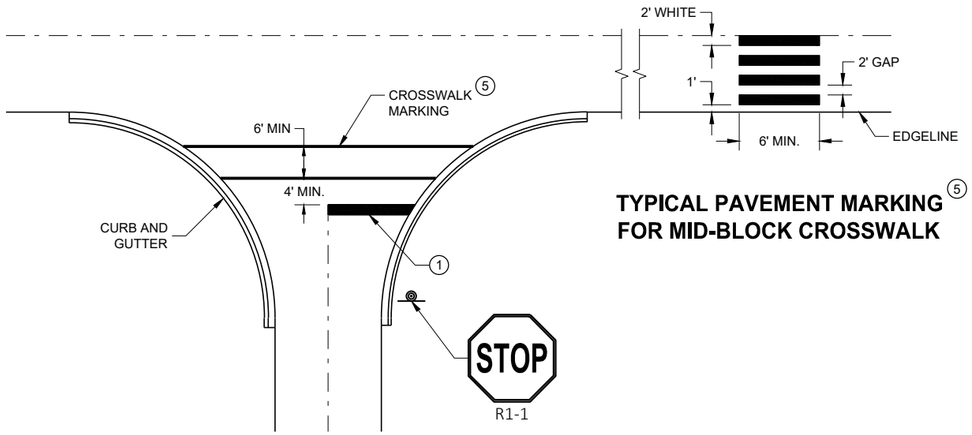
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE 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

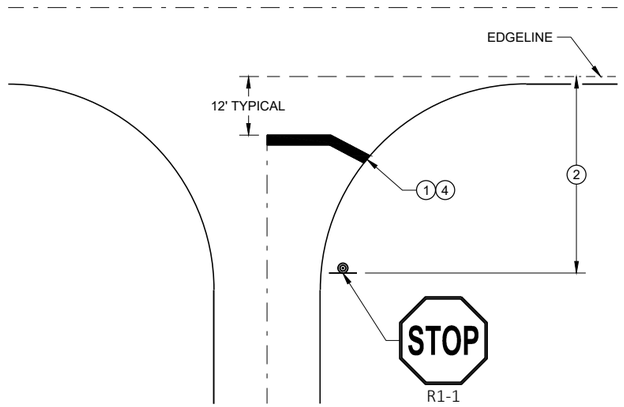


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



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 MAF ENGINEER

FHWA

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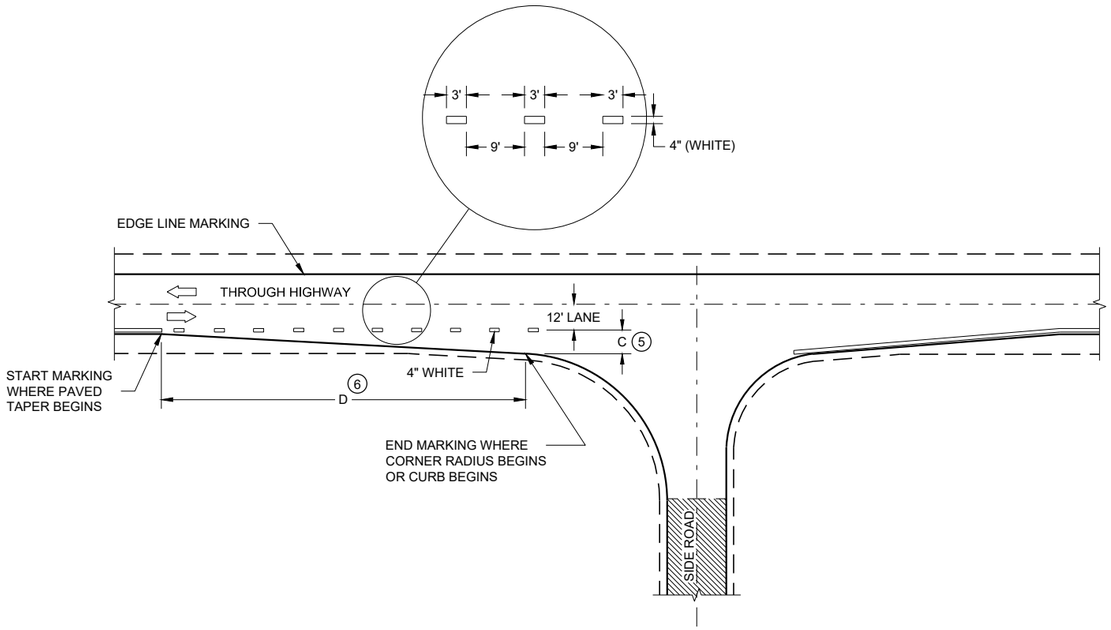
SDD 15C33 - 04



MINOR INTERSECTION

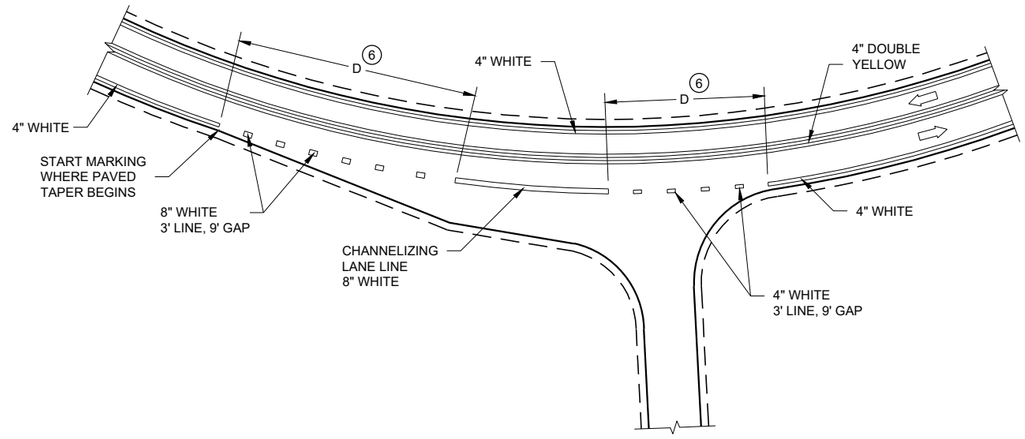
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

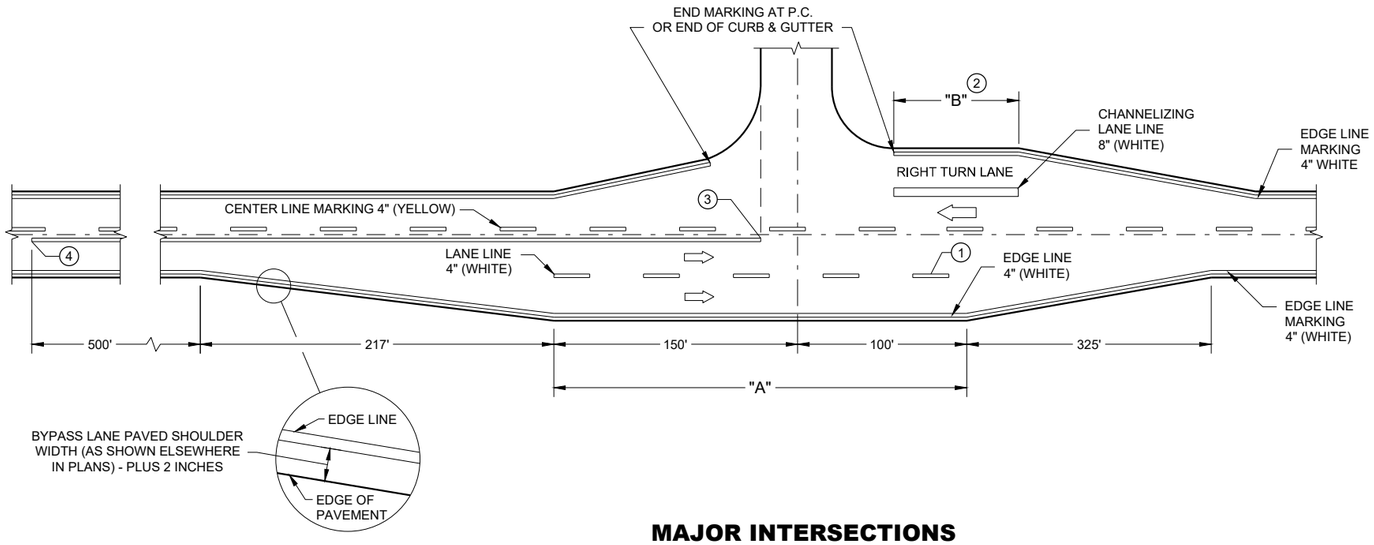
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
6. WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE



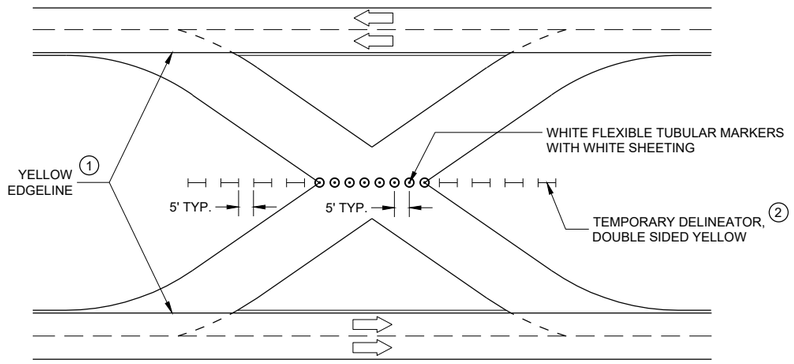
MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

PAVEMENT MARKING (INTERSECTIONS)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR (STEEL POST WITH SINGLE DELINEATOR) COLOR OF DELINEATOR SHALL MATCH THE COLOR OF THE RESPECTIVE EDGELINE MARKING
- TEMPORARY DELINEATOR (DOUBLE SIDED)
- TYPE "A" WARNING LIGHT (FLASHING)
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKINGS
- WORK AREA



TRAFFIC CONTROL FOR CROSSOVER THAT IS NOT IN USE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

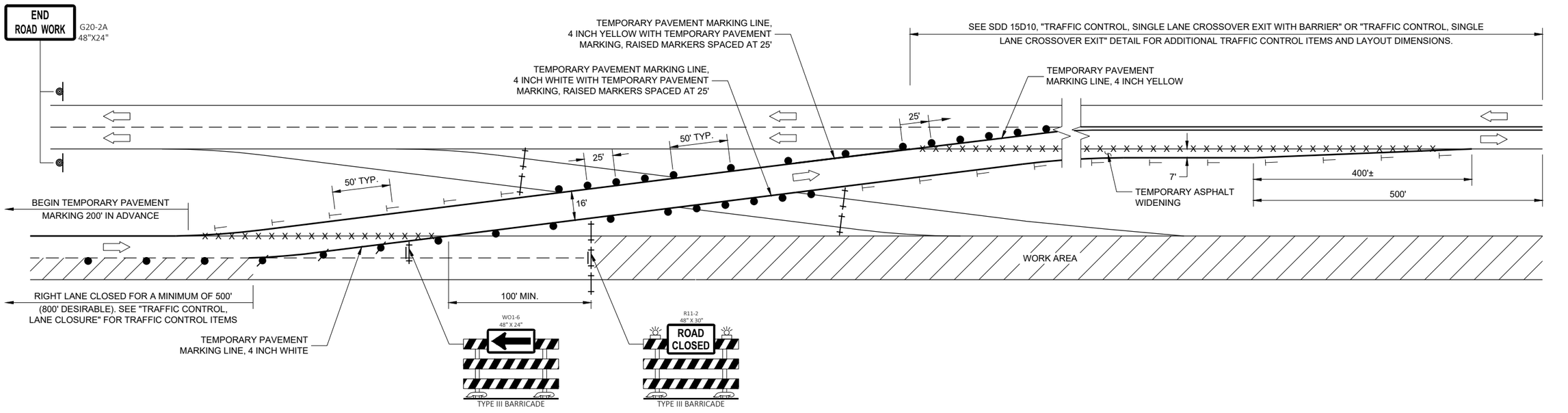
THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

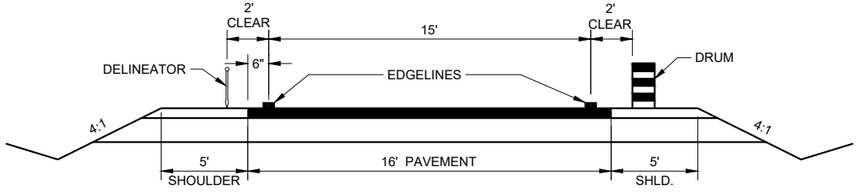
THE SPACING BETWEEN PROPOSED SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS.

REVERSE DEVICES WHEN OTHER LEG OF CROSSOVER IS IN USE.

(1) FOR PERMANENT CROSSOVER, PAVEMENT MARKING SHOULD CONFORM TO SECTION 646 OF THE STANDARD SPECIFICATIONS.

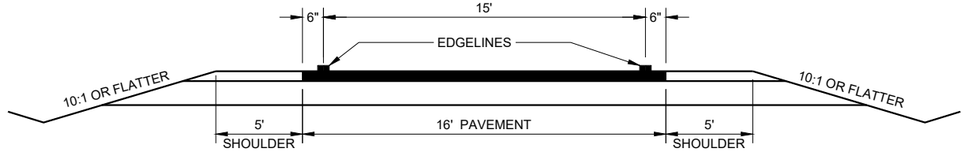
(2) FOR PERMANENT CROSSOVER, INSTALL PERMANENT DELINEATORS ACCORDING TO SECTION 633 OF THE STANDARD SPECIFICATIONS.





TYPICAL TEMPORARY CROSSOVER ROADWAY DIMENSIONS

(SEE PLAN FOR ROADWAY DESIGN ELEMENTS)



TYPICAL CROSSOVER TO REMAIN IN PLACE ROADWAY DIMENSIONS

(SEE PLAN FOR ROADWAY DESIGN ELEMENTS)

TRAFFIC CONTROL, SINGLE LANE CROSSOVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

660

FHWA

SDD 15D11 - 08

SDD 15D11 - 08

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.

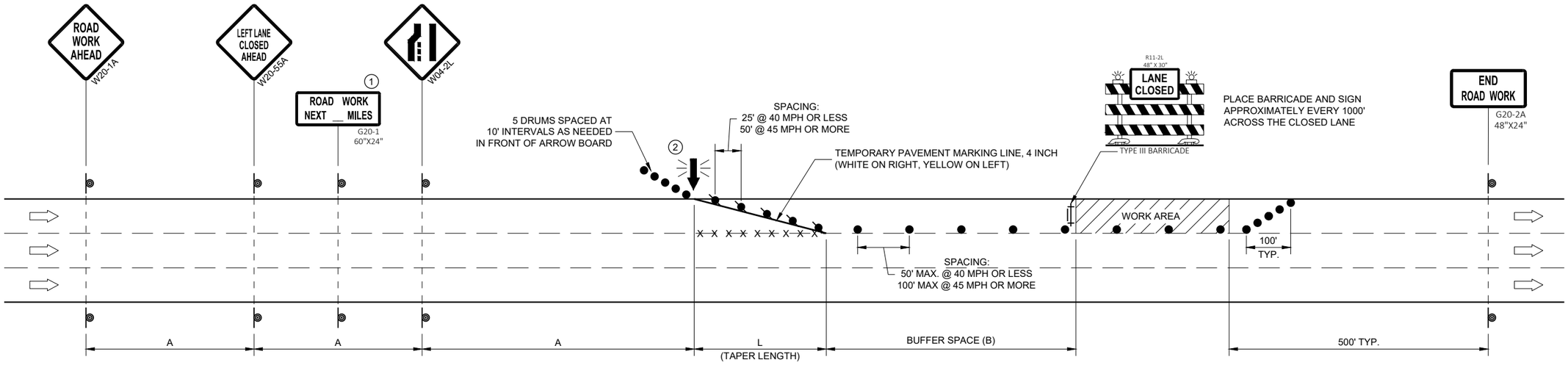
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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 ENGINEER

FHWA

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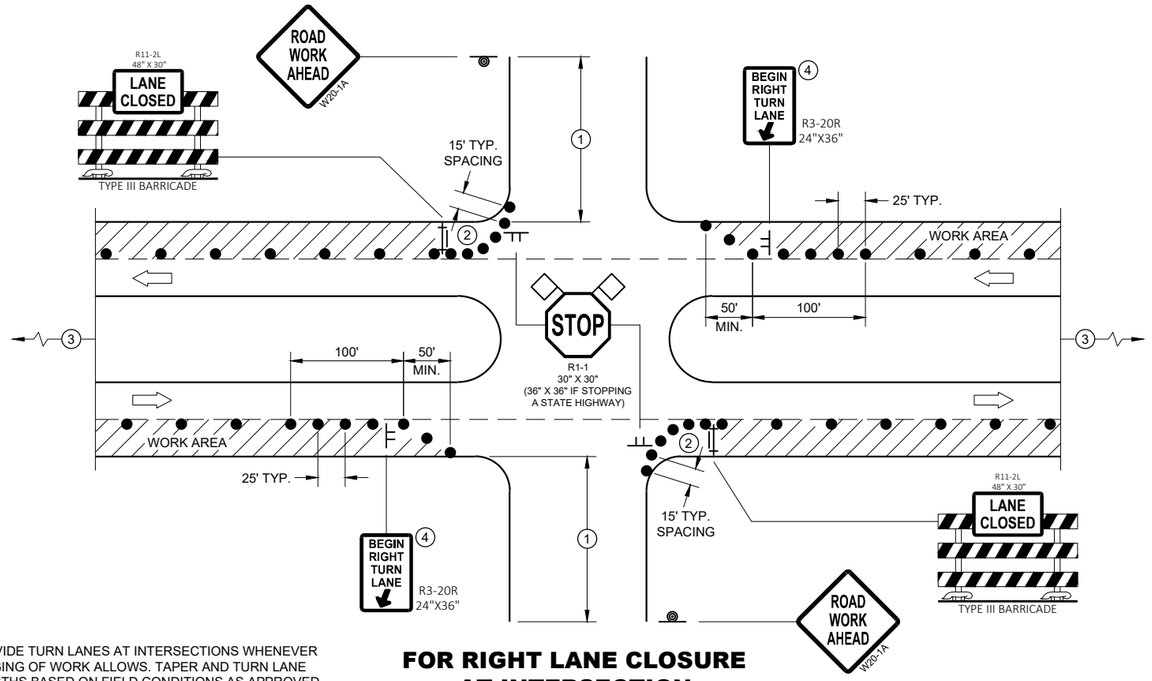
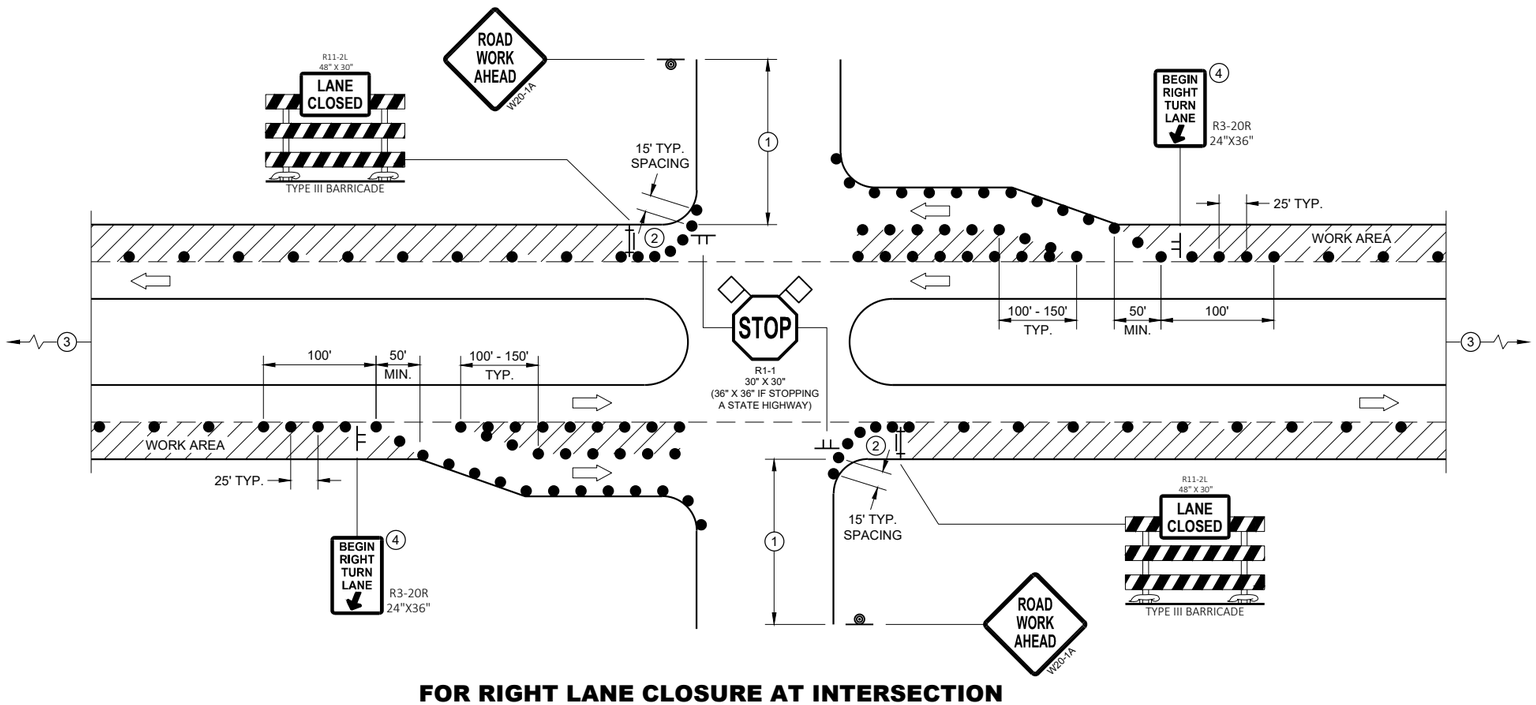
SDD15D20 - 06a



FOR RIGHT LANE CLOSURE AT INTERSECTION

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.

LEGEND

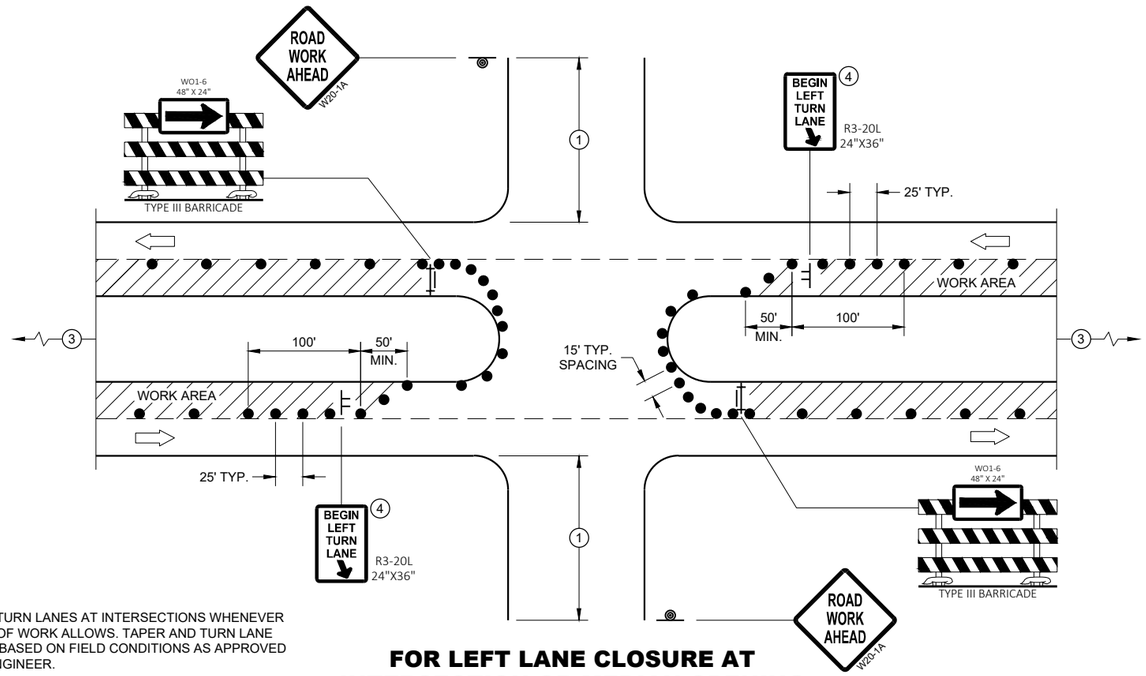
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D21 - 07a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

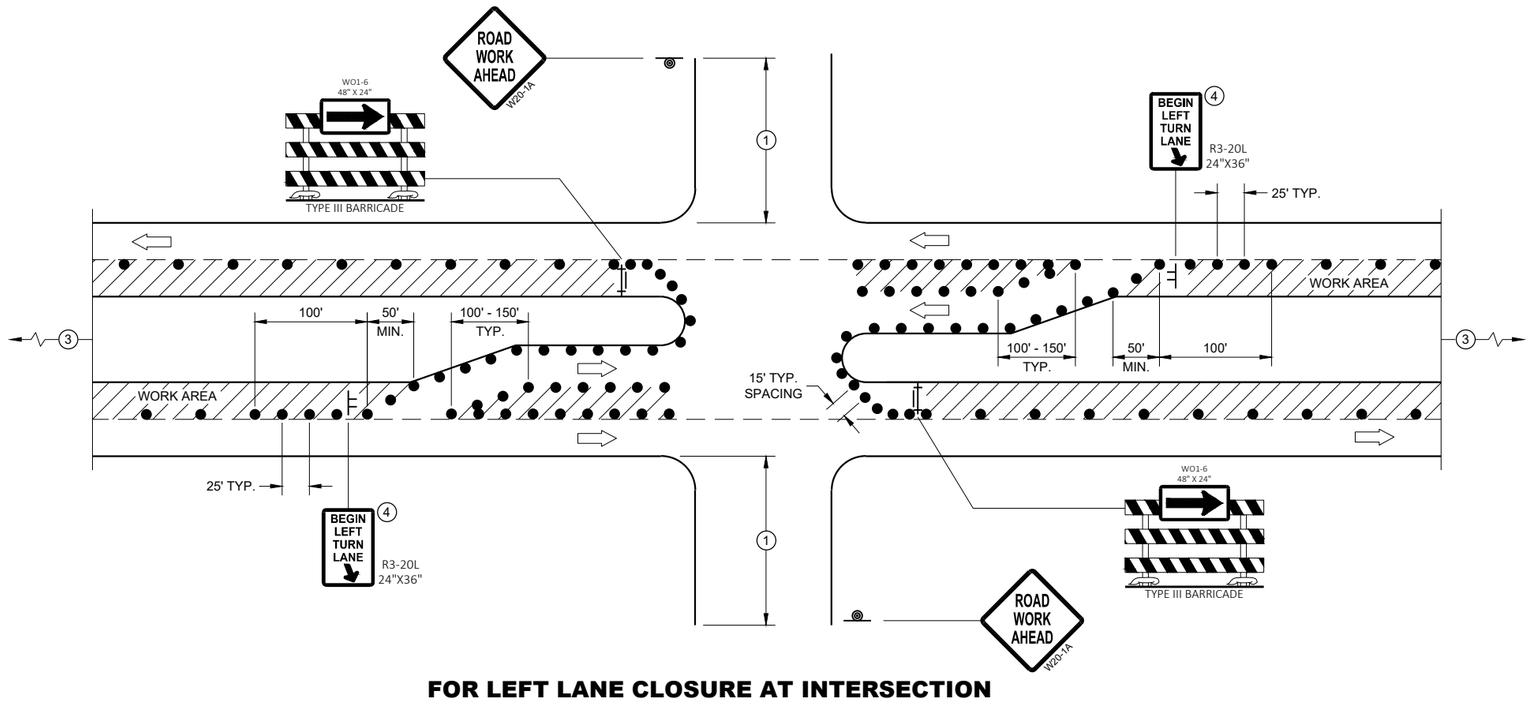
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D21 - 07b

6

SDD 15D21 - 07b

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- DIRECTION OF TRAFFIC
- WORK ZONE

GENERAL NOTES

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 THE REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

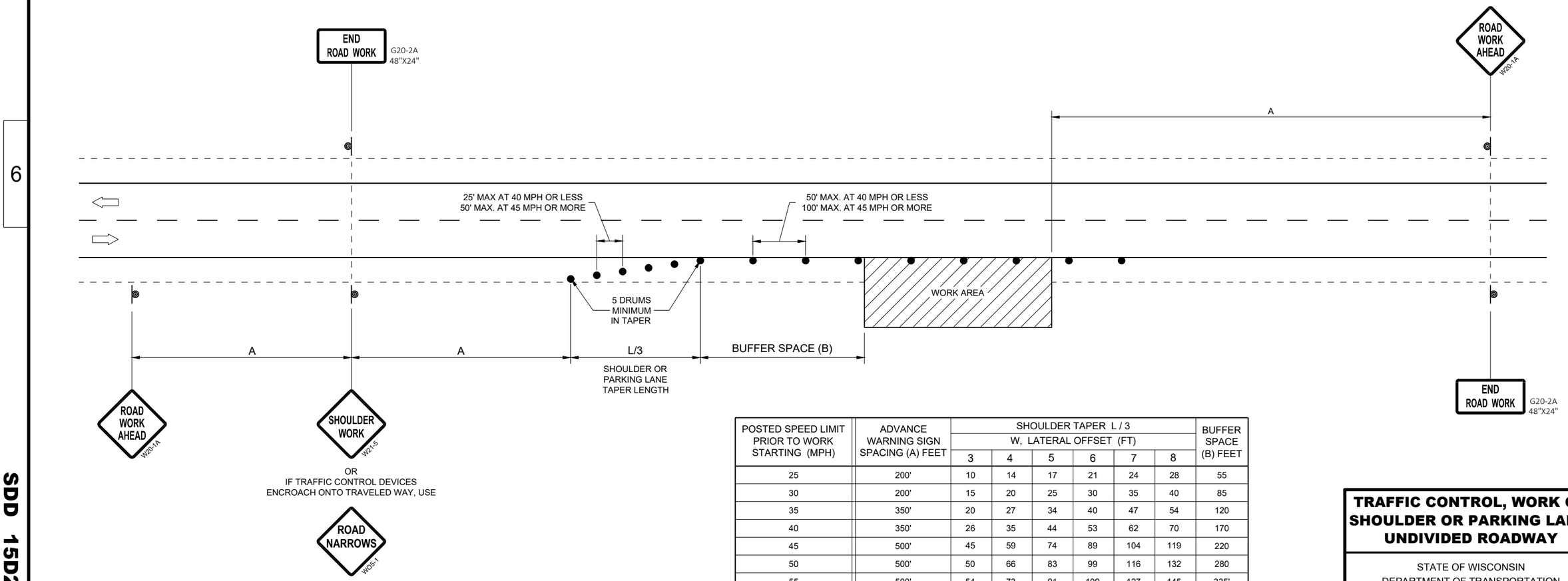
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

SDD 15D28 - 04

SDD 15D28 - 04

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET
0-30	200'
35-40	350'
45-55	500'

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

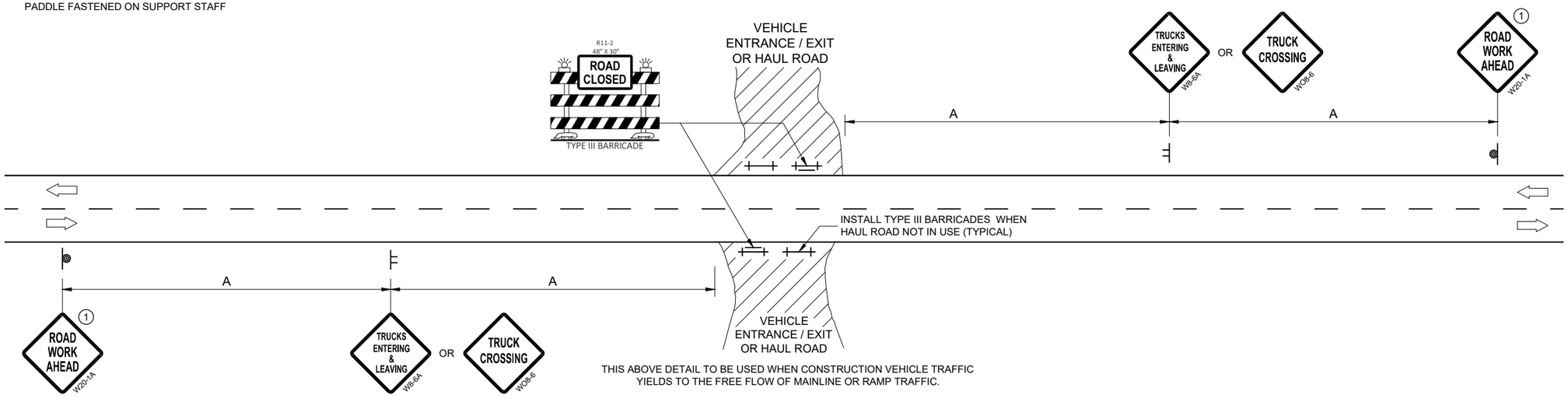
WARNING SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

WHEN ACTIVITY REFLECTED BY THE SIGN IS NOT CURRENTLY TAKING PLACE, THE HIGHWAY SHALL BE RESTORED TO NORMAL CONDITION AND THE SIGNS SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC.

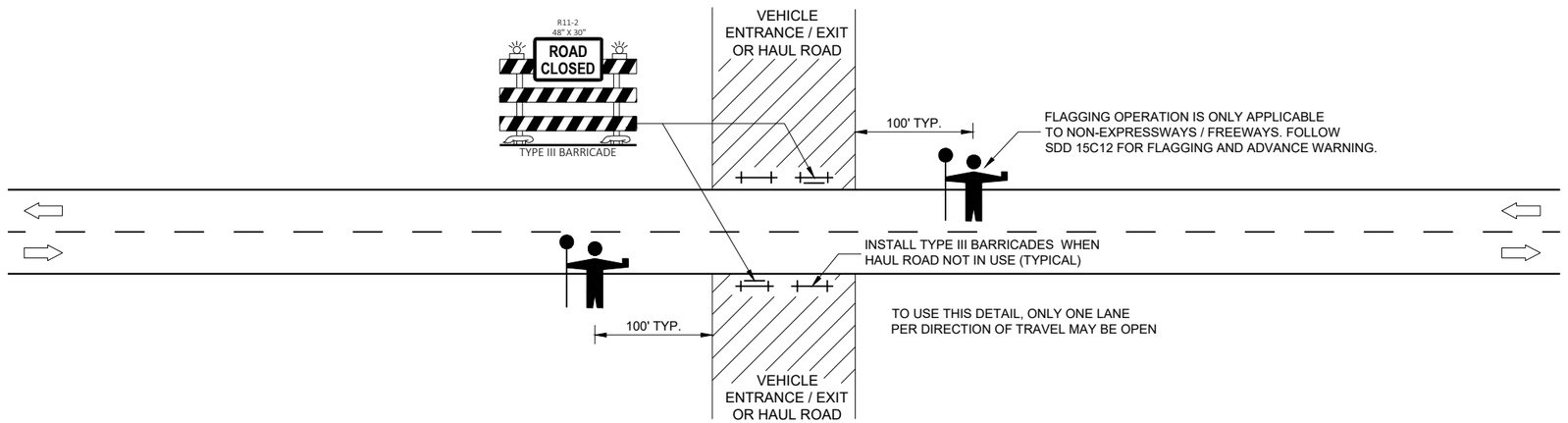
WHEN A SIDE ROAD OR RAMP INTERSECTS WITHIN THE ADVANCE SIGNING AREA, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND / OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

PLACE SIGNS ON BOTH SIDES IF USED ON DIVIDED HIGHWAY.

(1) THESE SIGNS ARE TO BE USED ONLY WHEN VEHICLE ENTRANCE / EXIT CONDITIONS ARE SEPARATED BY MORE THAN TWO MILES FROM PREVIOUS WORK AREA OR SIGNING OR AS DIRECTED BY THE ENGINEER.



THIS ABOVE DETAIL TO BE USED WHEN CONSTRUCTION VEHICLE TRAFFIC YIELDS TO THE FREE FLOW OF MAINLINE OR RAMP TRAFFIC.



TO USE THIS DETAIL, ONLY ONE LANE PER DIRECTION OF TRAVEL MAY BE OPEN

THIS DETAIL TO BE USED WHEN CONSTRUCTION WORK INCLUDING TRUCKING ACTIVITY REQUIRES MAINLINE TRAFFIC TO BE TEMPORARILY STOPPED IN ONE OR BOTH DIRECTIONS. DELAY TO HIGHWAY TRAFFIC SHALL BE MINIMIZED.

TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D29 - 06

GENERAL NOTES

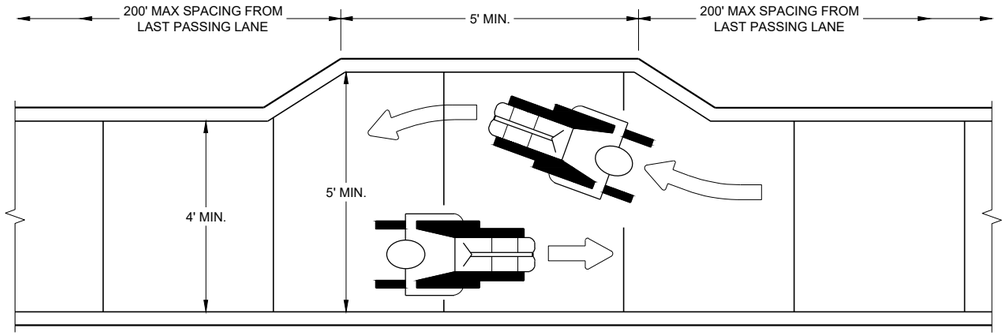
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

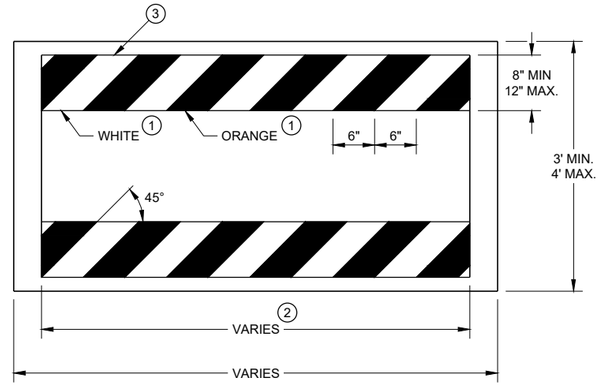
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

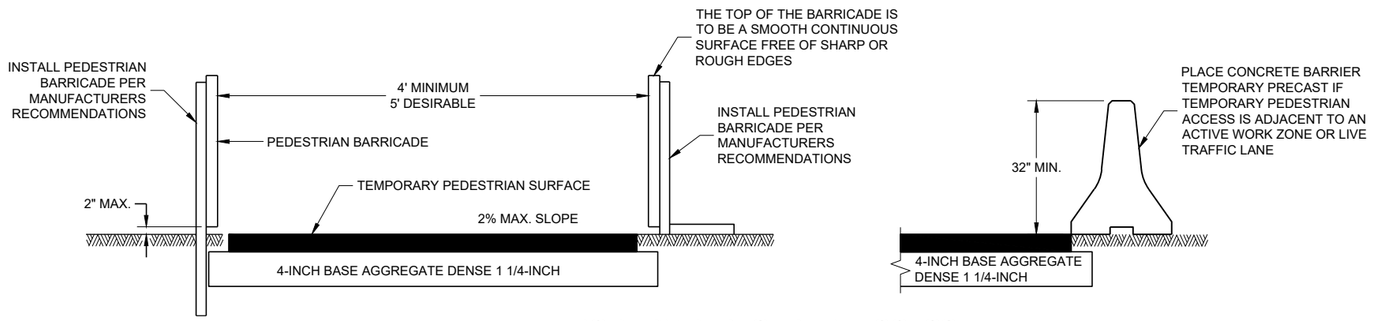
* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN BARRICADE*

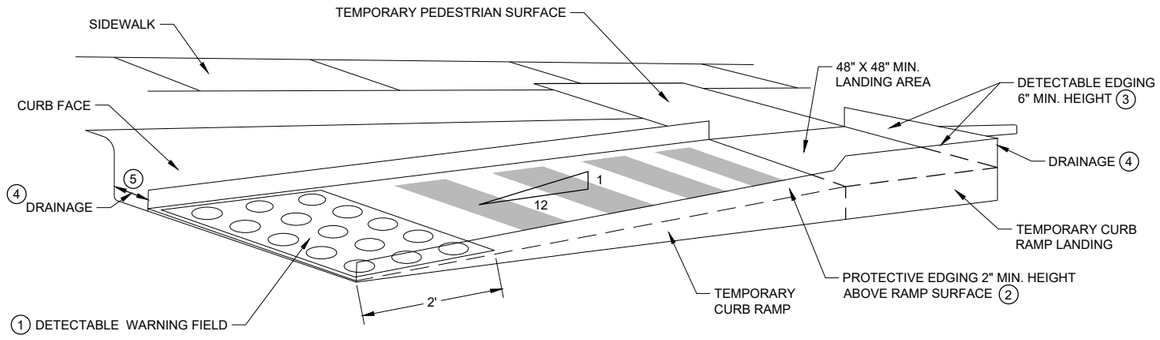


TEMPORARY PEDESTRIAN ACCESS

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

SDD 15D30 - 08a



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.

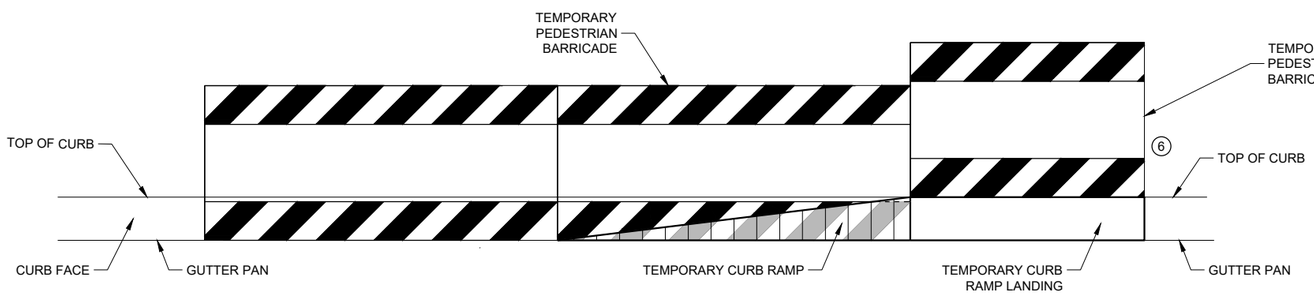
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

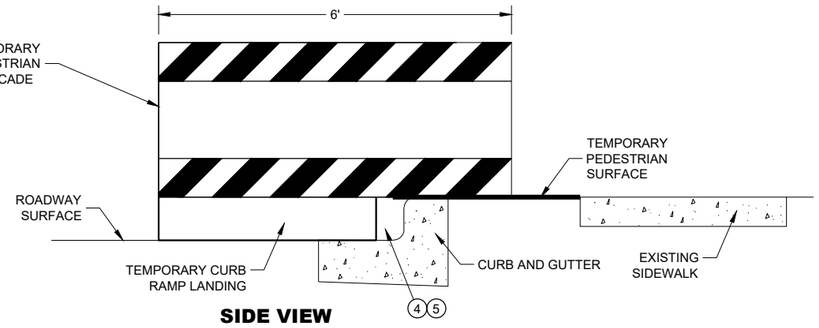
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) ENSURE CURB RAMP IS OUT OF THE GUTTER PAN.

(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

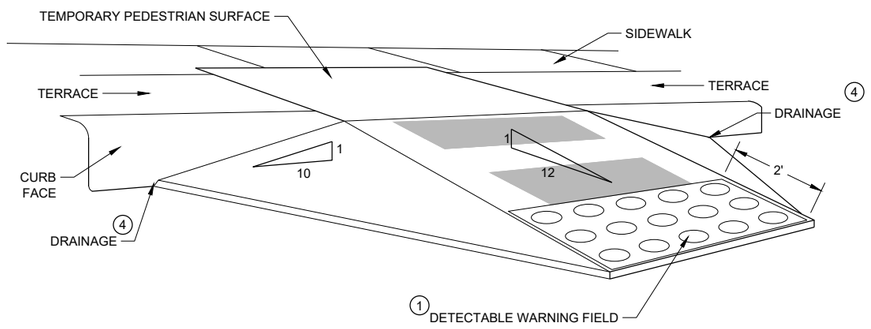
TEMPORARY CURB RAMP PARALLEL TO CURB

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

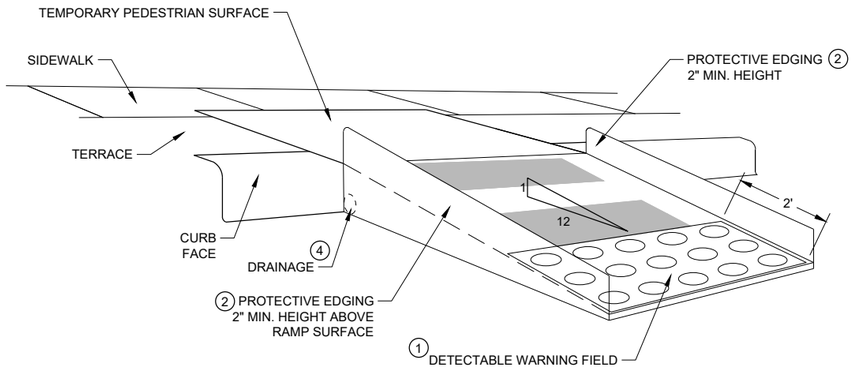
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 08b



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.

6

SDD 15D30 - 08c

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

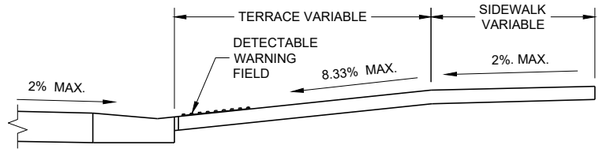
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

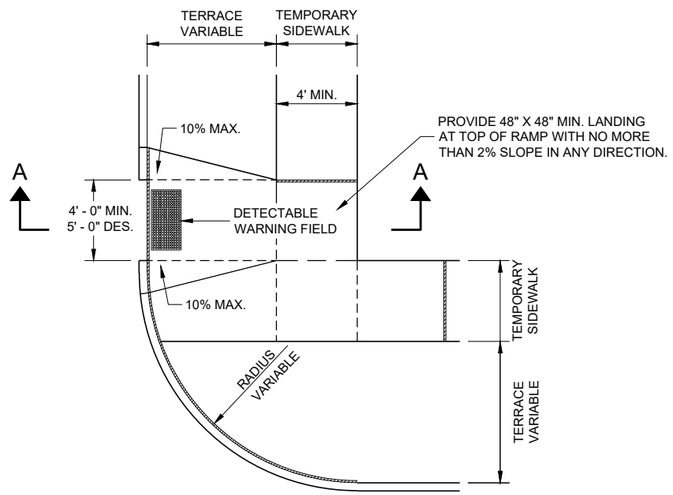
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(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
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15D30-08d

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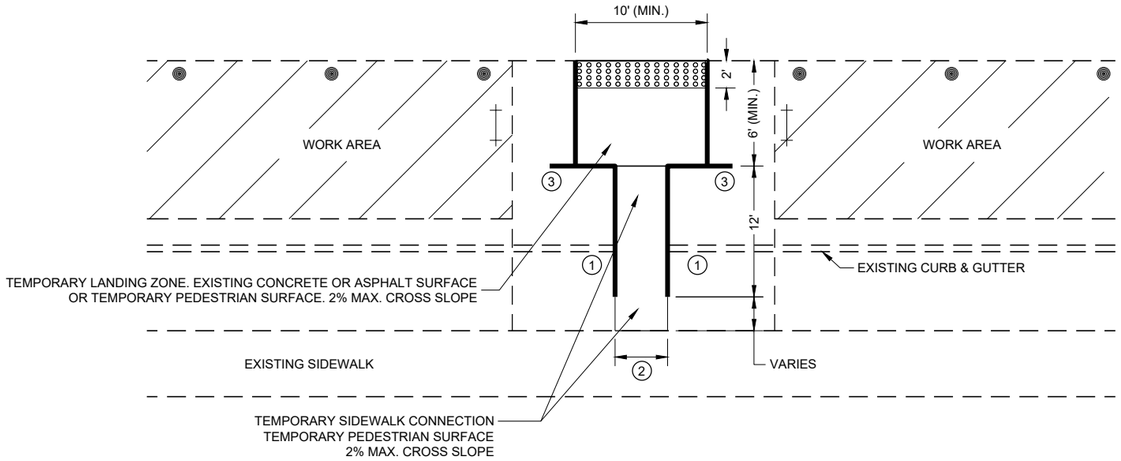
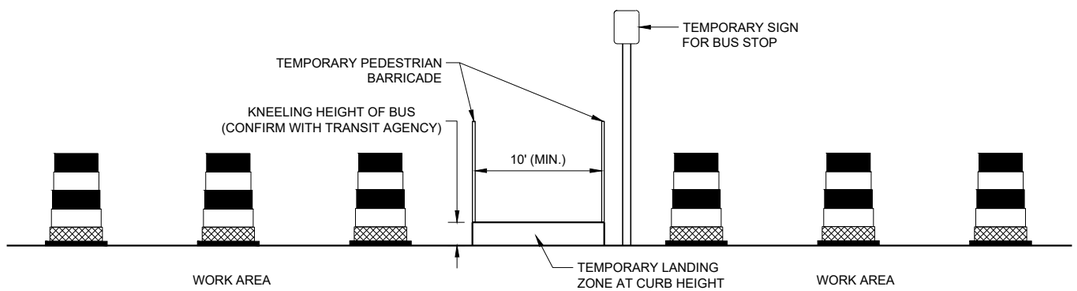
SDD 15D30-08d



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

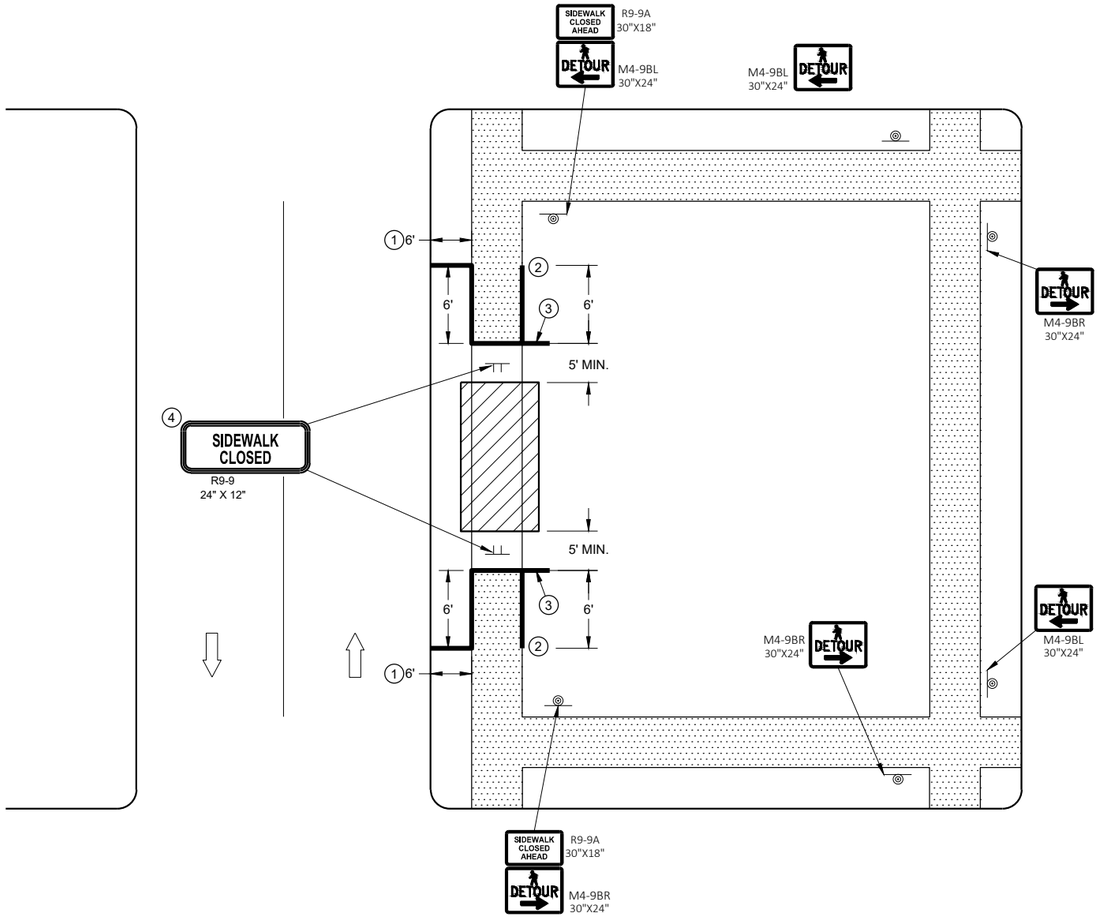
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 08e

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.

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICTS WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

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

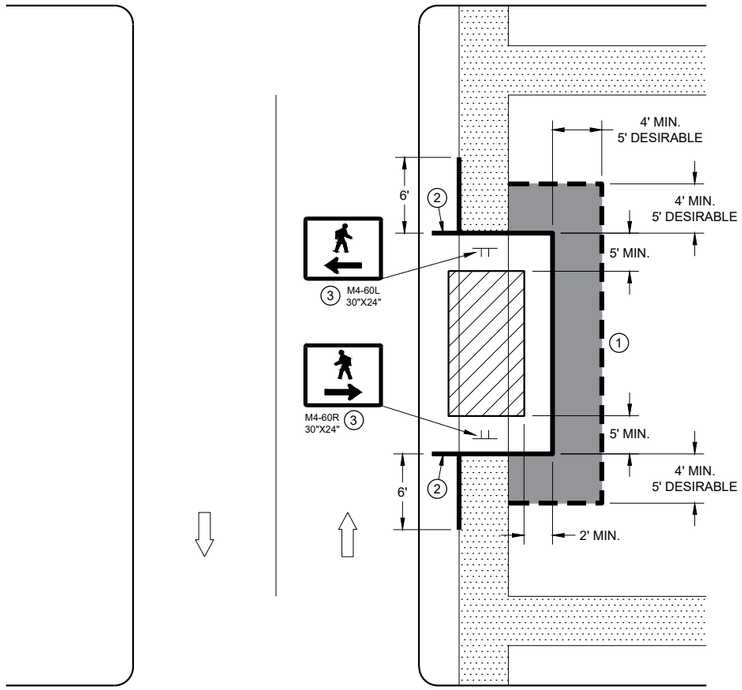
TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

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 - 08g

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SDD15D30 - 08g

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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.

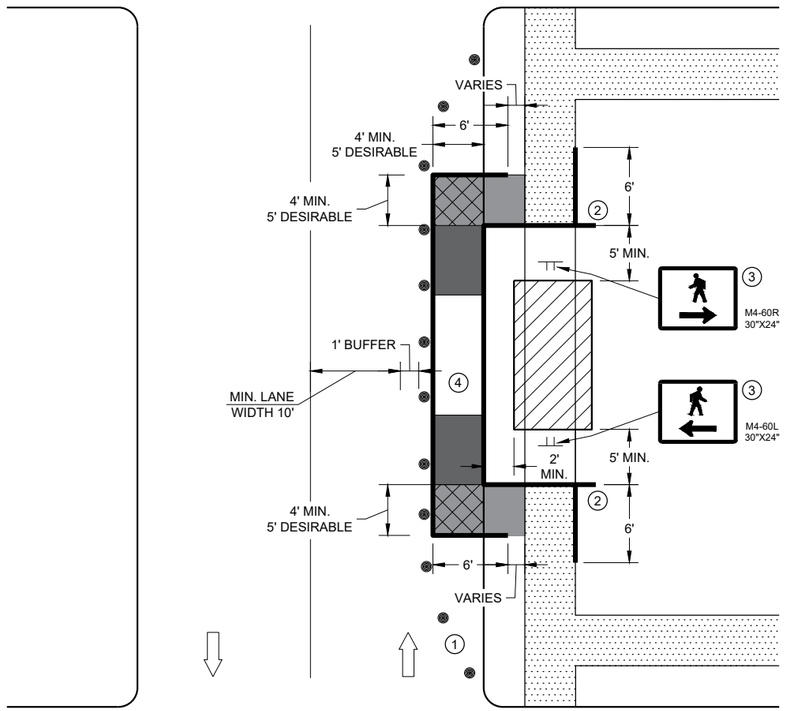
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

(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

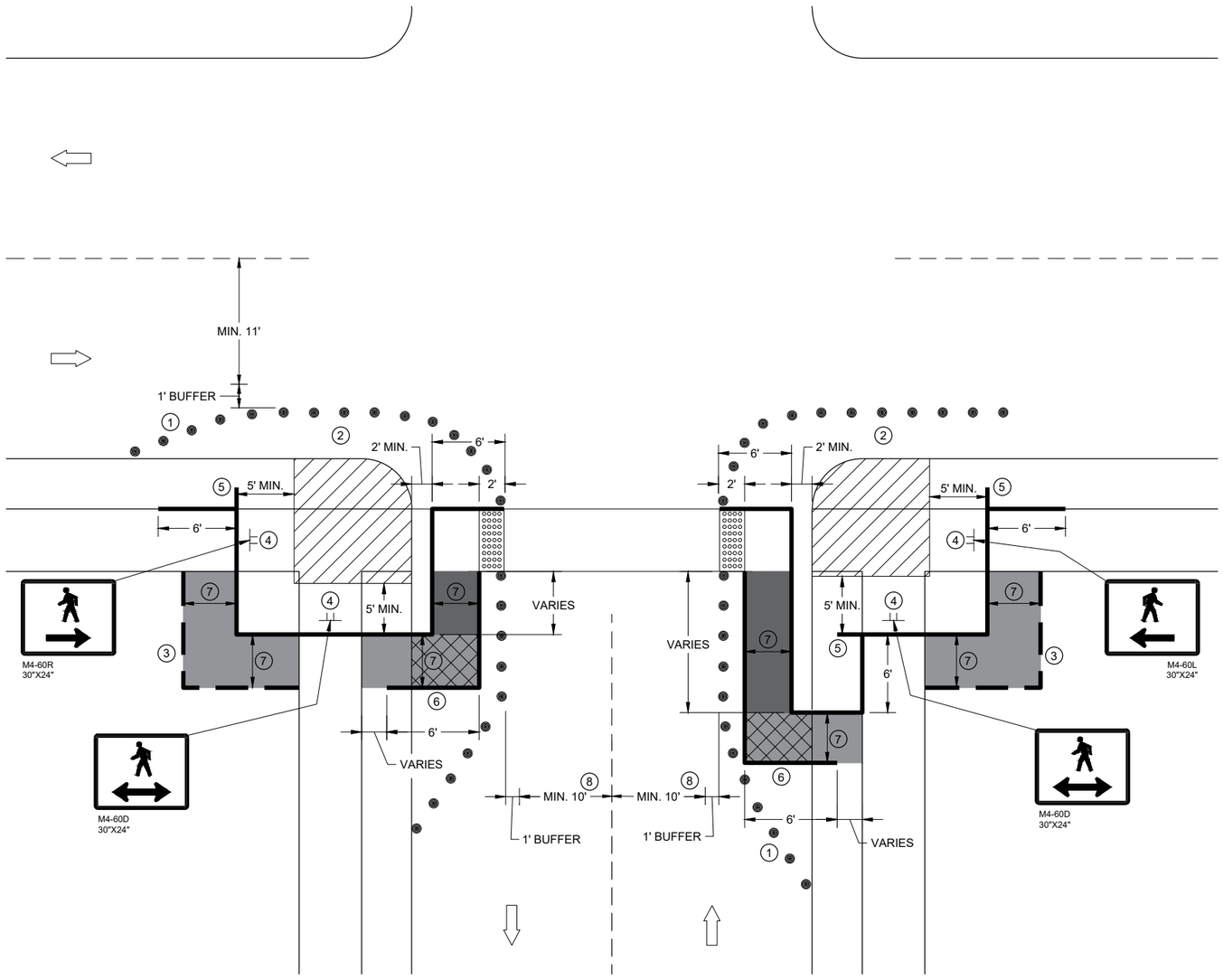
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 08h

6

SDD 15D30 - 08h



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.

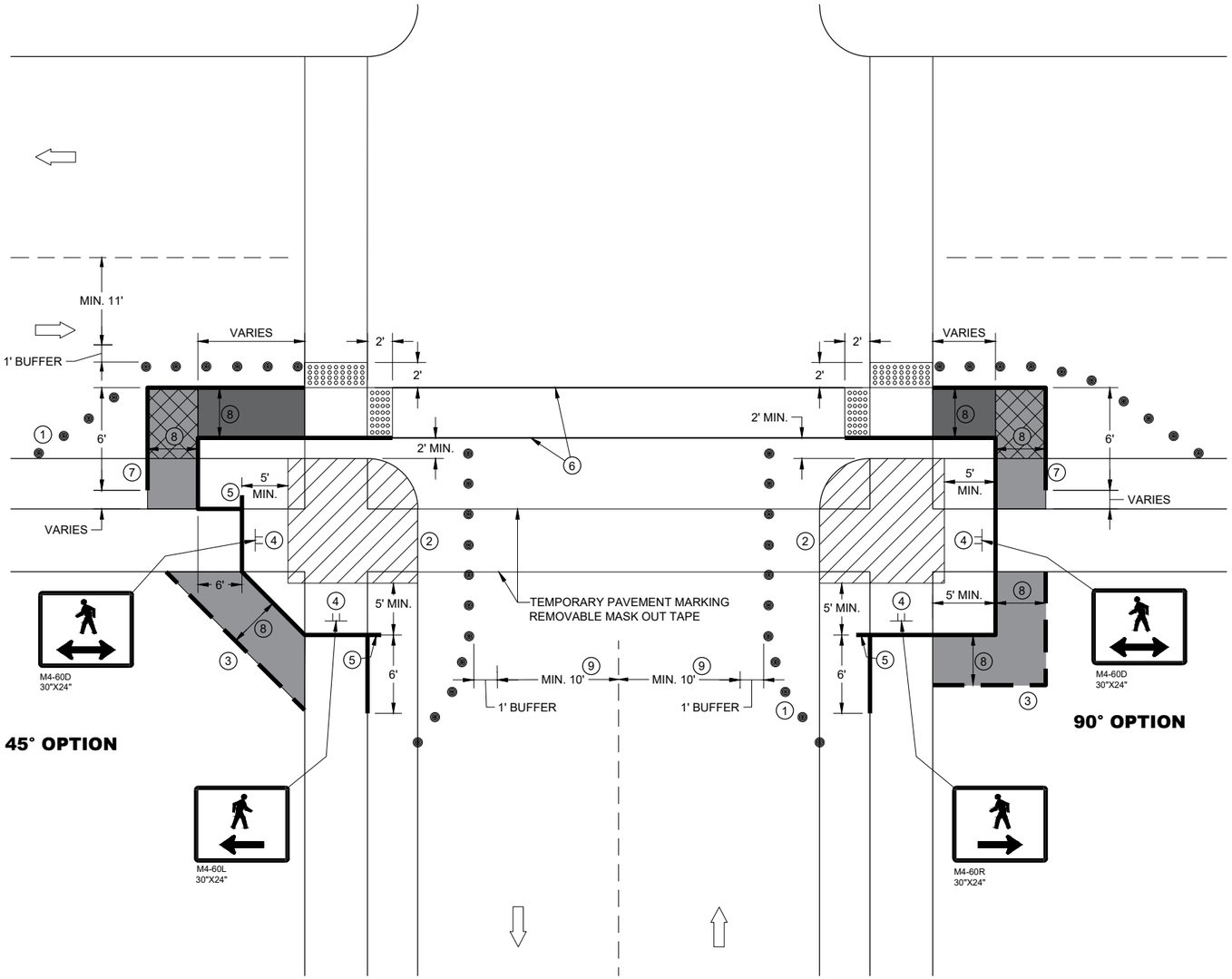
1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE 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 - 08i



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 - 08j

6

LEGEND

SIGN ON PERMANENT SUPPORT

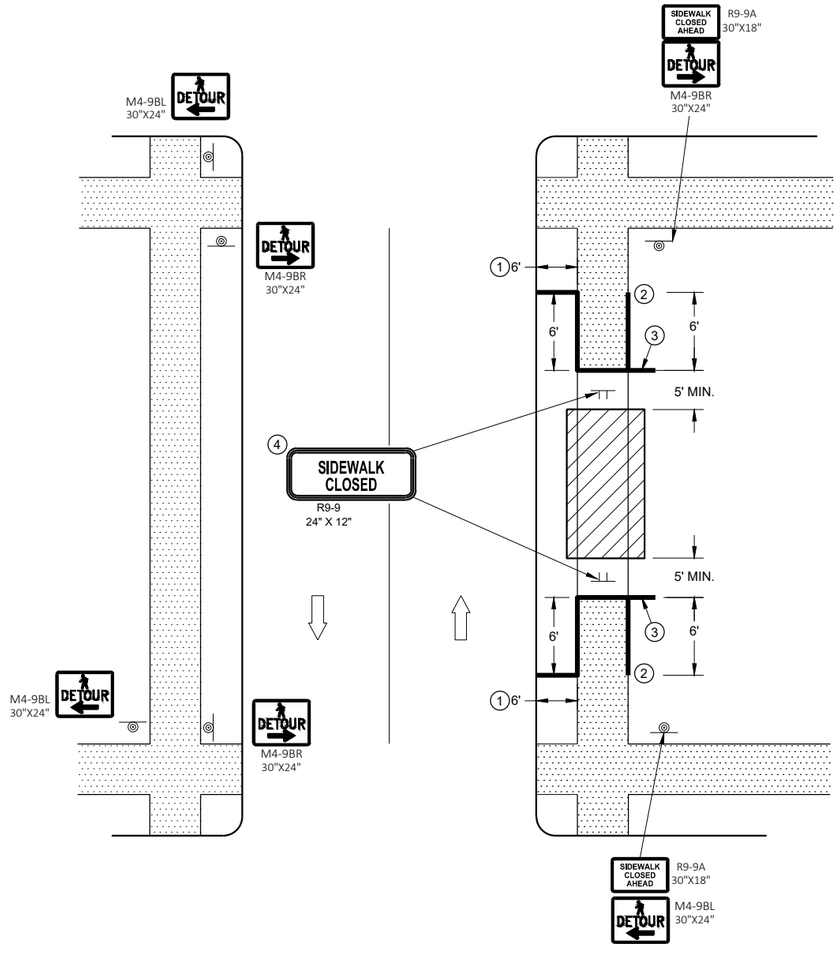
SIGN ON TEMPORARY SUPPORT

UNDER PEDESTRIAN TRAFFIC

WORK AREA

TEMPORARY PEDESTRIAN BARRICADE

DIRECTION OF TRAFFIC



GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

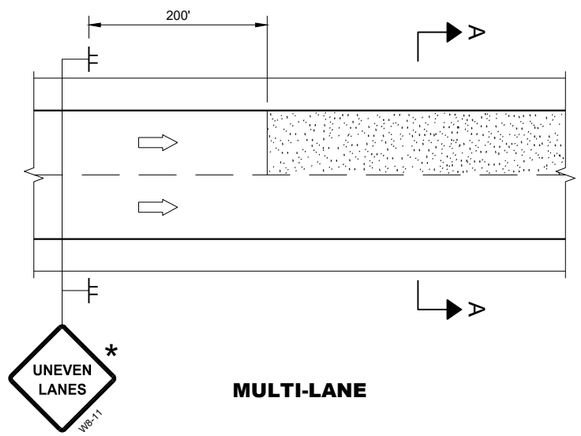
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

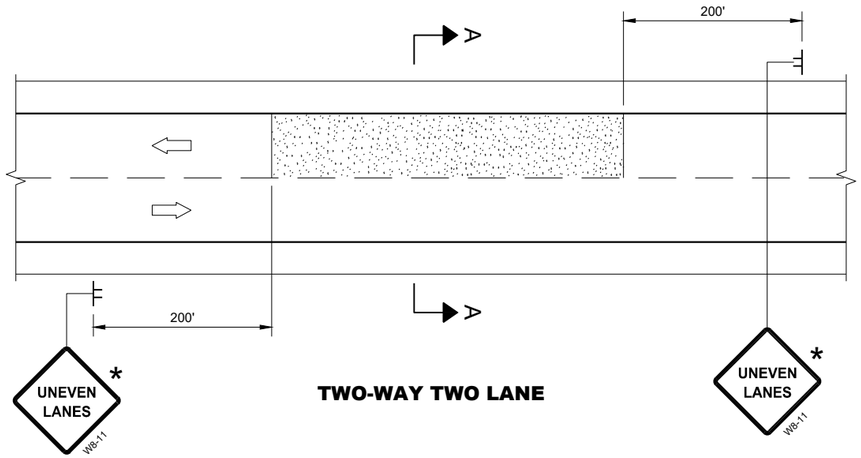
PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICT WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

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.

SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES



MULTI-LANE



TWO-WAY TWO LANE

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

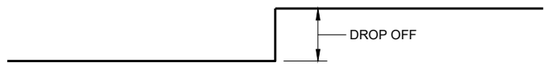
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

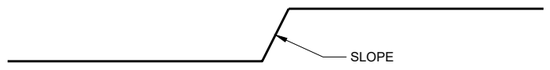
LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE

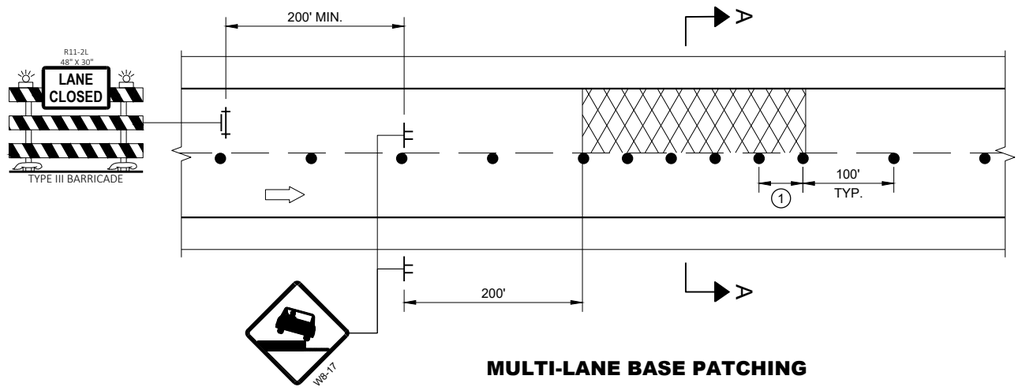


SECTION A - A

OR

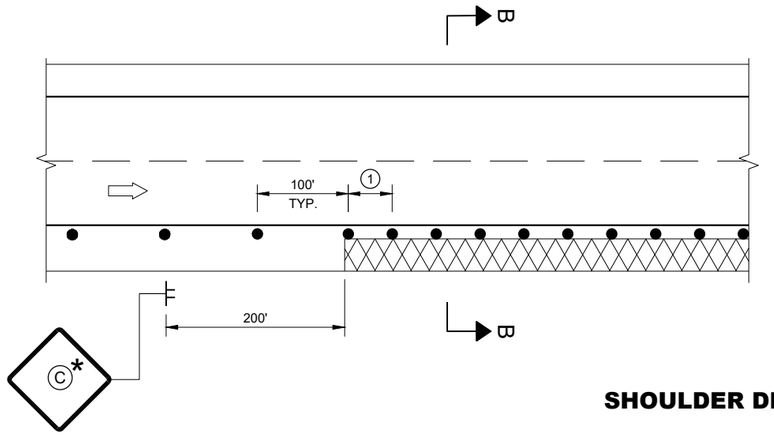


SECTION A - A

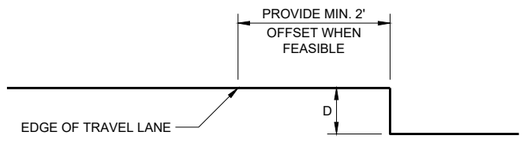


MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS



SHOULDER DROP-OFFS



SECTION B - B

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP - OFF W8-9A PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

677

6

SDD 15D39 - 02

6

SDD 15D39 - 02

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

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) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" 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 AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

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 LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

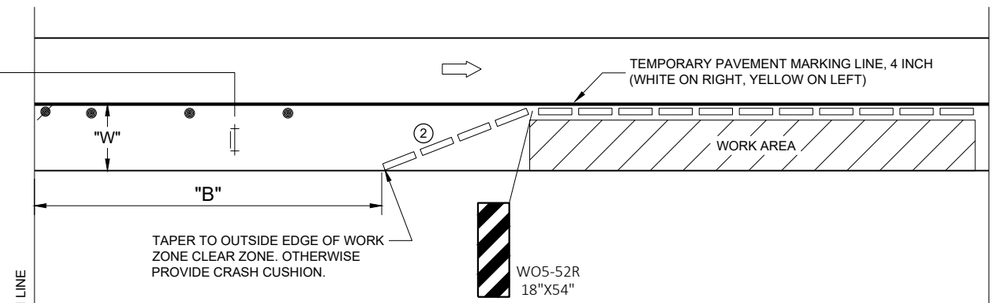
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER
SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 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.

(1) USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

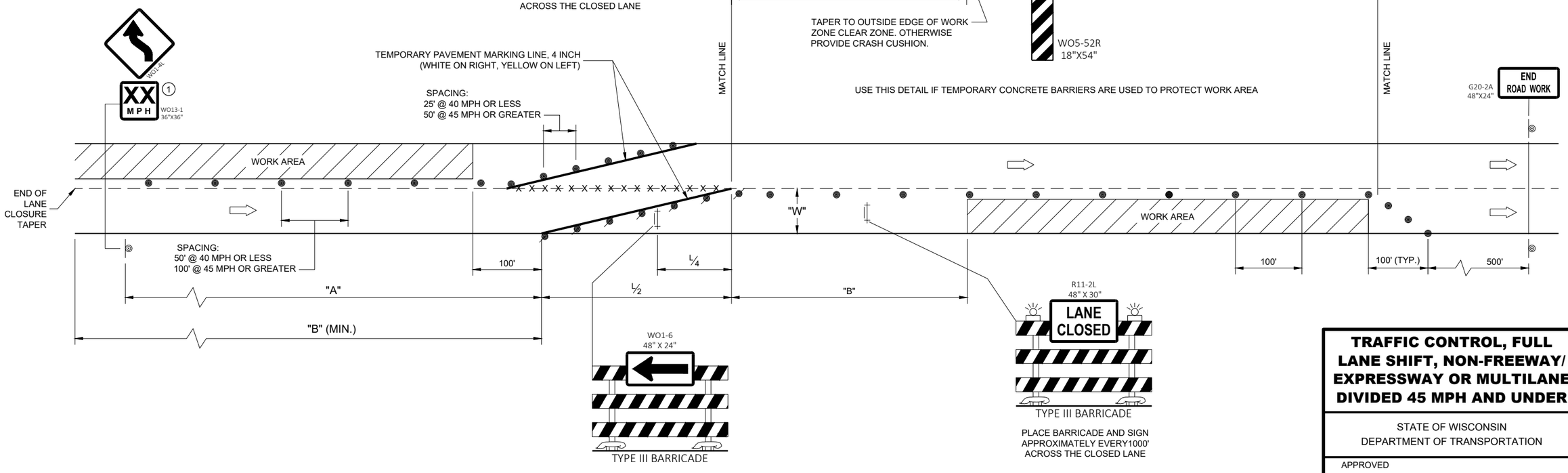
(2) BARRIER FLARE RATE: 6:1 @ 40 MPH OR LESS
8:1 @ 45 MPH OR GREATER

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					BUFFER SPACE (B) FEET
		10	11	12	13	14	
25	200	52	57	63	68	73	55
30	200	75	83	90	98	105	85
35	350	102	112	123	133	143	120
40	350	133	147	160	173	187	170
45	500	225	248	270	293	315	220

PLACE BARRICADE AND SIGN APPROXIMATELY EVERY1000' ACROSS THE CLOSED LANE



USE THIS DETAIL IF TEMPORARY CONCRETE BARRIERS ARE USED TO PROTECT WORK AREA



PLACE BARRICADE AND SIGN APPROXIMATELY EVERY1000' ACROSS THE CLOSED LANE

TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

SDD 15D40 - 04a

SDD 15D40 - 04a

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

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) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT LEFT - REVERSE FOR SHIFTING RIGHT.

ALL SIGNS ARE 48"x48" 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 AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

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 LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

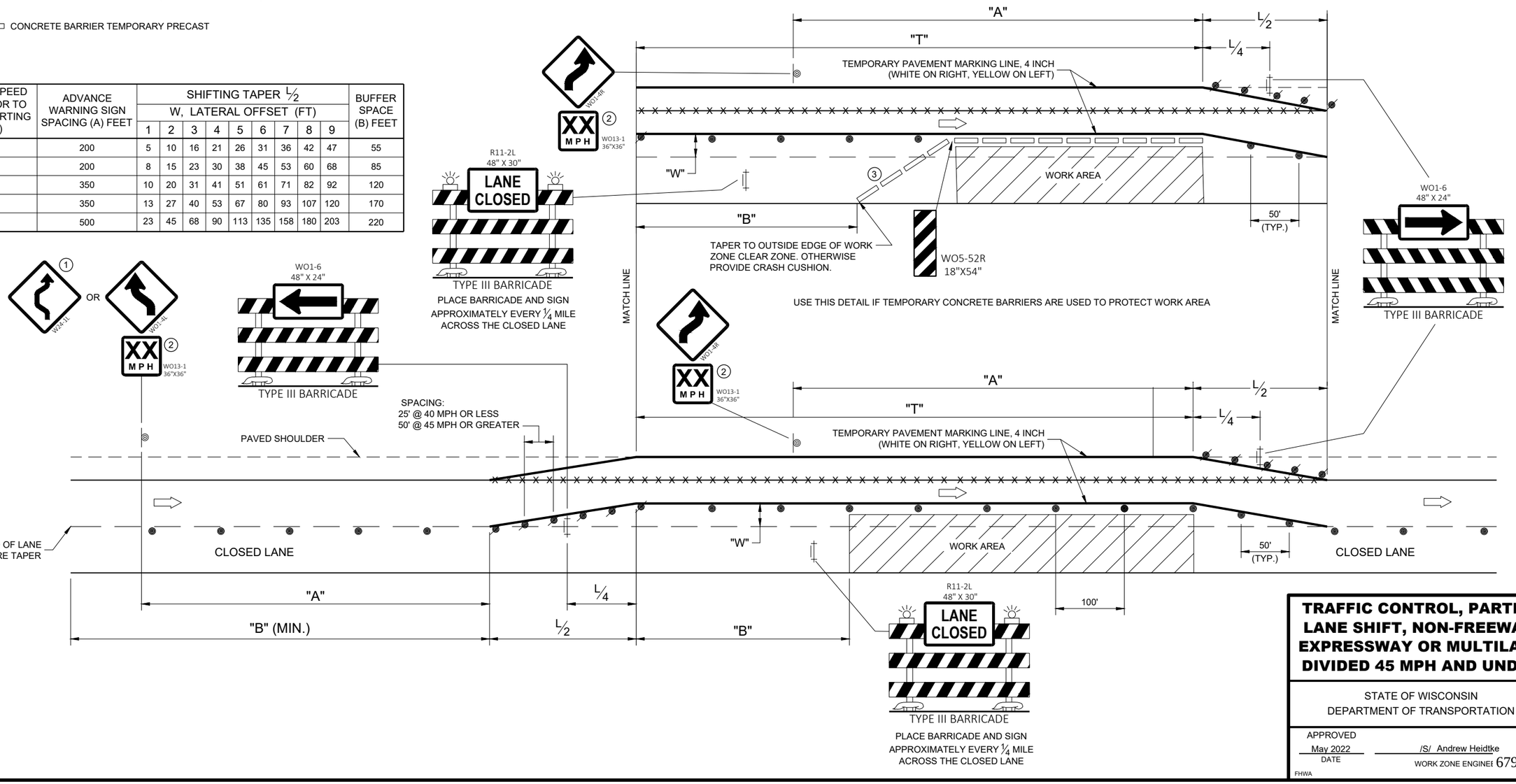
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 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.

(1) USE ONLY WHEN T<600', OMIT WO1-4R.

(2) IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

(3) BARRIER FLARE RATE: 6:1 @ 40 MPH OR LESS
8:1 @ 45 MPH OR GREATER

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)									BUFFER SPACE (B) FEET
		1	2	3	4	5	6	7	8	9	
25	200	5	10	16	21	26	31	36	42	47	55
30	200	8	15	23	30	38	45	53	60	68	85
35	350	10	20	31	41	51	61	71	82	92	120
40	350	13	27	40	53	67	80	93	107	120	170
45	500	23	45	68	90	113	135	158	180	203	220



TRAFFIC CONTROL, PARTIAL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

679

FHWA

6

SDD 15D40 - 04c

6

SDD 15D40 - 04c

LEGEND

TYPE III BARRICADE WITH ATTACHED SIGN

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

CONCRETE BARRIER TEMPORARY PRECAST

TYPE "A" WARNING LIGHT (FLASHING)

WORK AREA

L, TAPER LENGTH (MPH)							
SPEED (MPH)	W, LATERAL OFFSET (FT)						
	10	11	12	13	14	15	16
45	450	495	540	585	630	675	720
50	500	550	600	650	700	750	800
55	550	605	660	715	770	825	880
60	600	660	720	780	840	900	960
65	650	715	780	845	910	975	1040
70	700	770	840	910	980	1050	1120

OR

LOCATED 3000 FEET BEYOND THE "ROAD WORK 1 MILE" (W20-1F) SIGN

R2-1
48"X60"

OR

R2-1
48"X60"

(BLACK AND WHITE) LOCATED 700 FEET BEYOND THE W03-5 SIGN

IF THE REGULATORY SPEED HAS BEEN REDUCED, A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 3 MILES.

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) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" 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 AND 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.

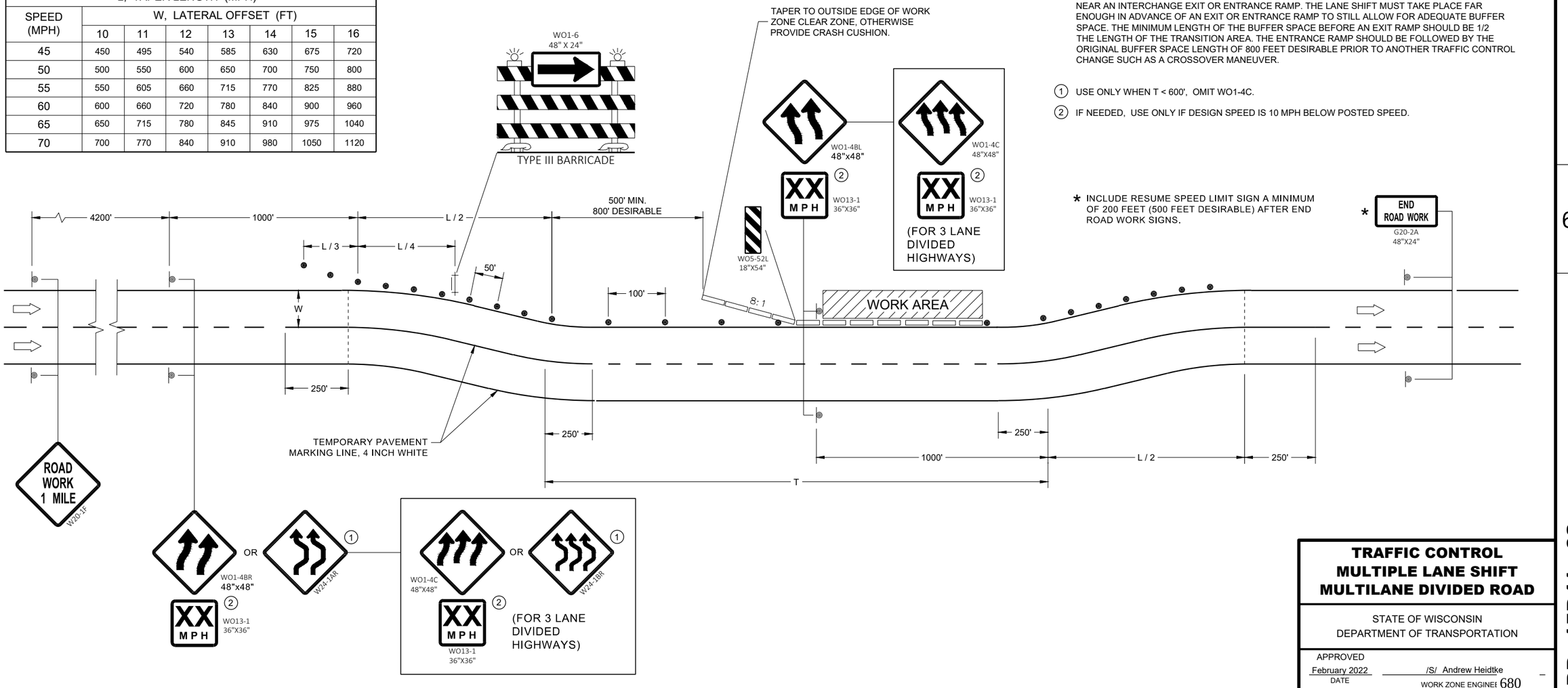
REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT 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 1/2 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.

(1) USE ONLY WHEN T < 600', OMIT WO1-4C.

(2) IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.



TRAFFIC CONTROL
MULTIPLE LANE SHIFT
MULTILANE DIVIDED ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

680

FHWA

6

SDD 15D41 - 02

6

SDD 15D41 - 02

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

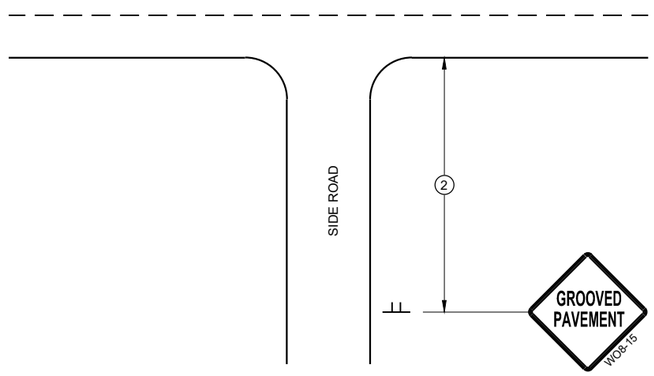
(1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

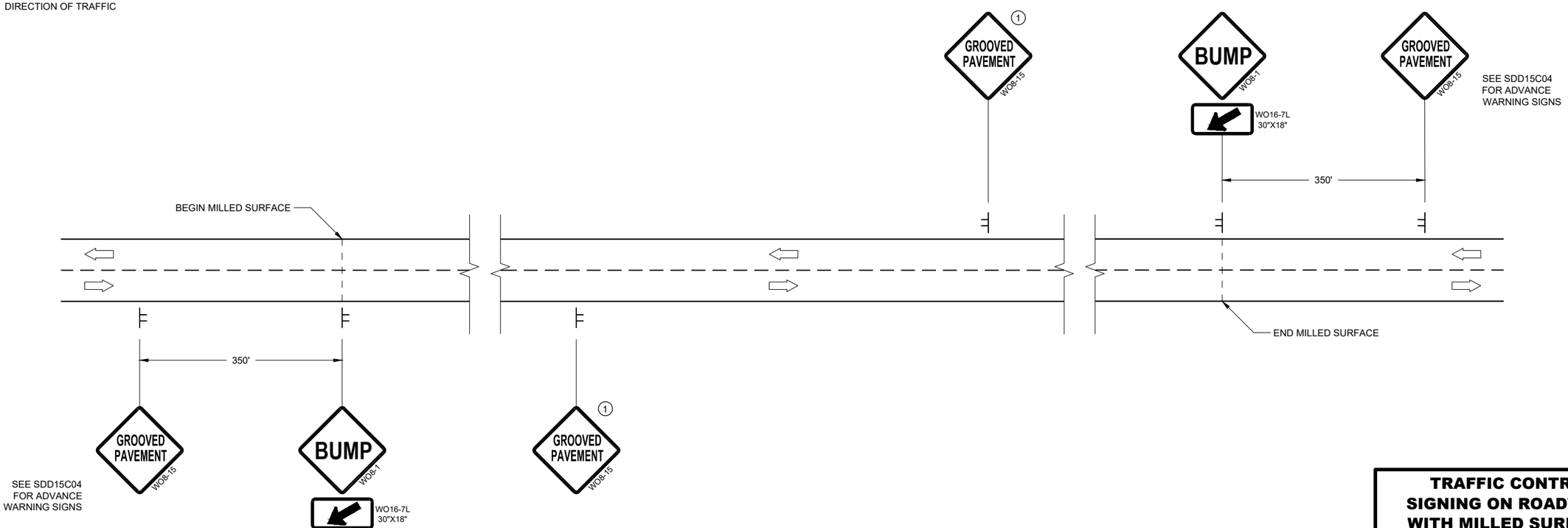
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON MILLED SURFACES

TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6
SDD 15D44 - 02

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

(1) PLACE SIGNS 350' IN ADVANCE OF CHIP SEALED OR LOOSE GRAVEL SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

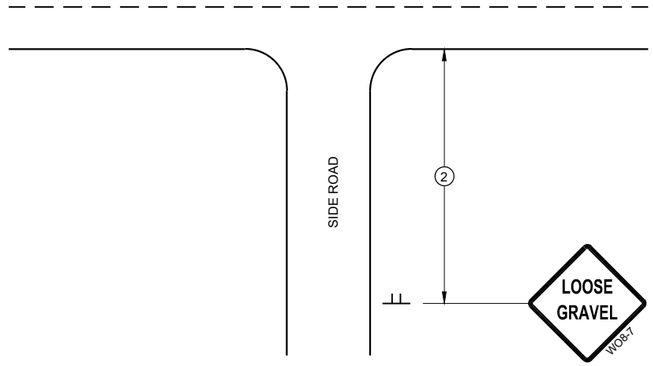
(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

(3) ADD WO8-1 OR WO8-2 SIGN WHEN THE CONDITION IS PRESENT.

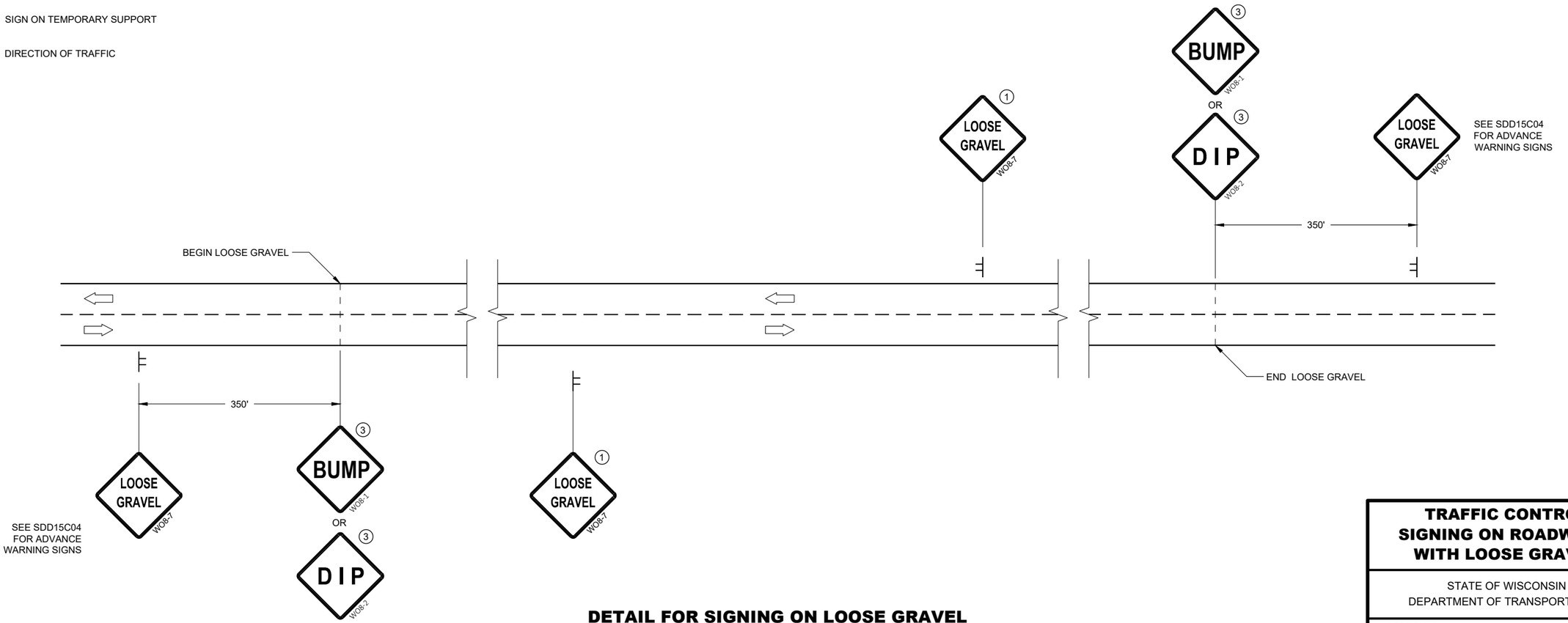
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON LOOSE GRAVEL OR CHIP SEALED SURFACES

TRAFFIC CONTROL SIGNING ON ROADWAYS WITH LOOSE GRAVEL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 682

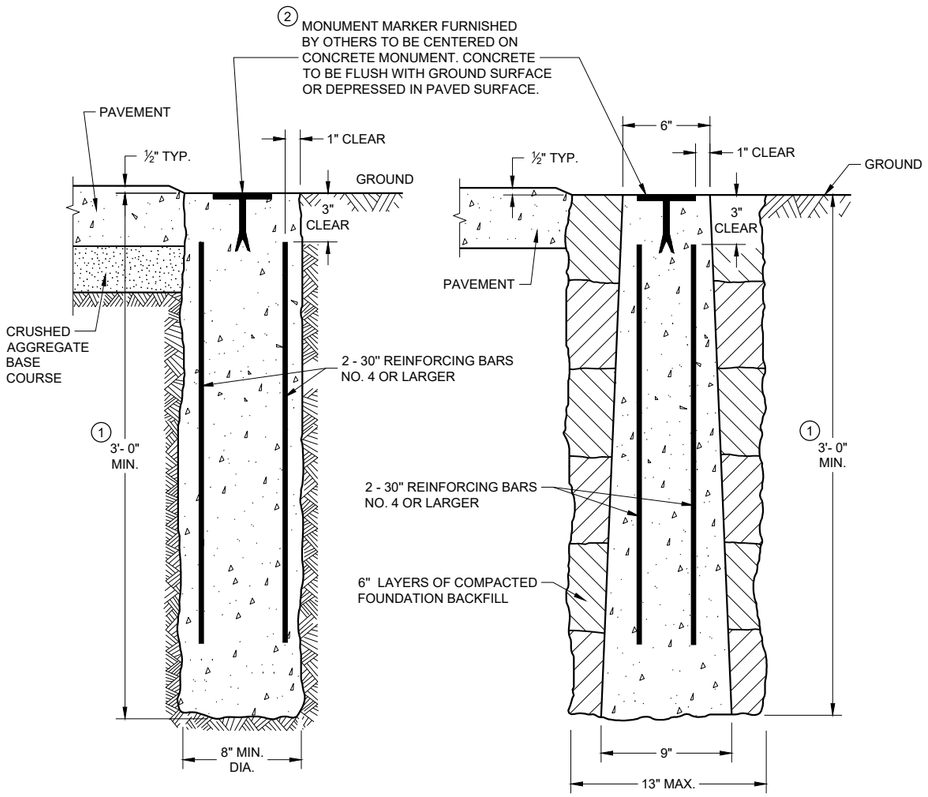
FHWA

6

SDD 15D45 - 03

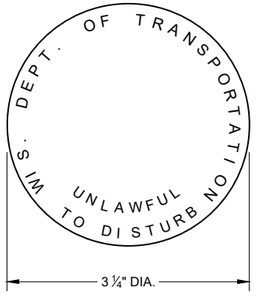
6

SDD 15D45 - 03



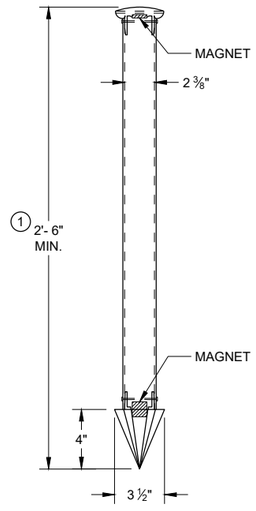
CAST-IN-PLACE **PRECAST**

CONCRETE MONUMENTS
TYPE A

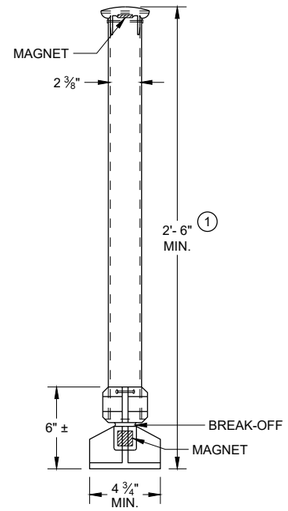


② **WIS DOT MONUMENT MARKER LOGO**

FOR TYPES "A", "C" & "D"

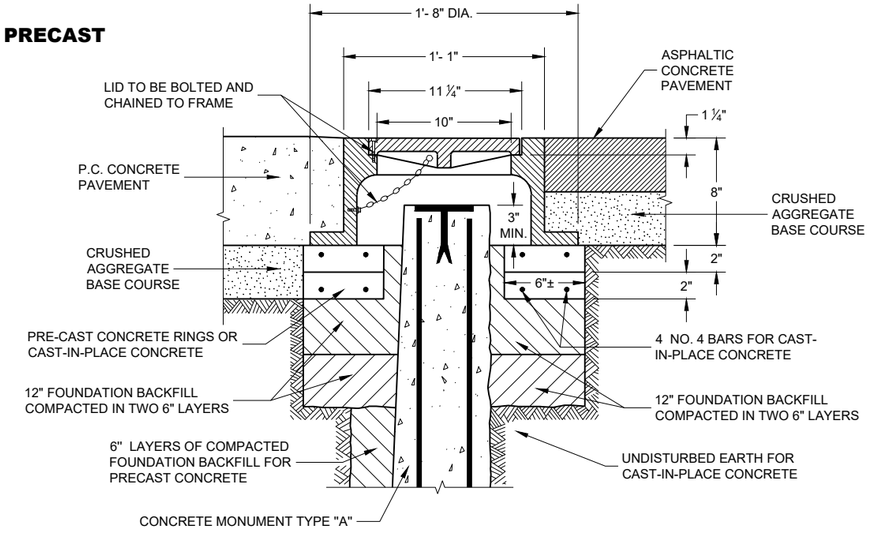


TYPE C
DRIVEN MONUMENT



TYPE D
NON-DRIVEN
BREAK-OFF MONUMENT

ALUMINUM MONUMENTS
(INCLUDES MARKER)



CAST IRON MONUMENT COVER
(APPROXIMATE WEIGHT 95 LBS)

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.

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS FOR METAL MONUMENTS OR MONUMENT COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

PERMANENT MAGNETS SHALL BE INSERTED NEAR THE TOP AND BOTTOM OF ALL ALUMINUM MONUMENTS SO THE MONUMENT CAN EASILY BE DETECTED BY A METAL DETECTOR.

THE CAST IRON MONUMENT COVER SHALL BE A "NON-ROCKING" TYPE. ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE GRADE RINGS.

MONUMENTS SHALL BE LOCATED AND PLACED AT THE DIRECTION OF THE ENGINEER.

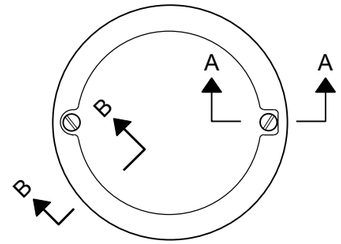
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

THE MONUMENT COVERS DETAILED ON THIS DRAWING ARE NOT EQUAL ALTERNATES. MONUMENT COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

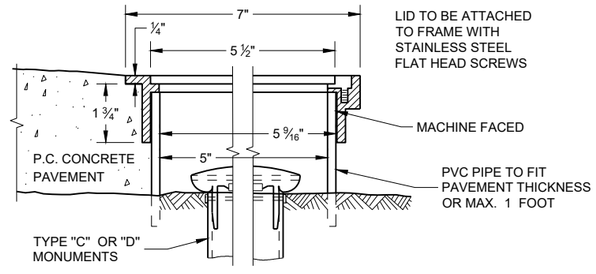
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER.

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WISDOT MARKER.



TOP VIEW



SECTION B-B **SECTION A-A**

ALUMINUM MONUMENT COVER
(APPROXIMATE WEIGHT 2 LBS)
(FOR CONCRETE PAVEMENT ONLY)

LANDMARK REFERENCE MONUMENTS AND COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

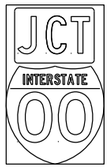
/S/ Raymond A. Kumapayii
CHIEF SURVEYING AND MAPPING ENGINEER

FHWA

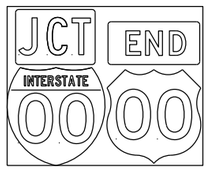
683

6
SDD 16A01 - 07

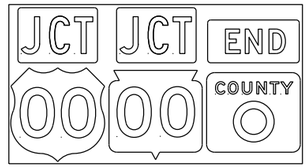
TYPICAL ASSEMBLIES



J1-1



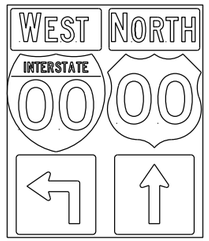
J1-2



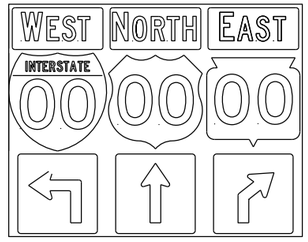
J1-3

JR1-1

J2-1

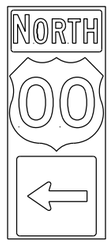


J2-2

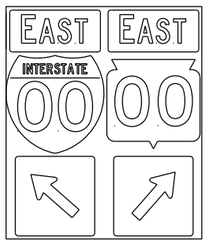


J2-3

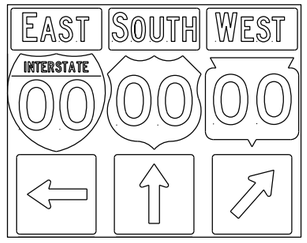
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



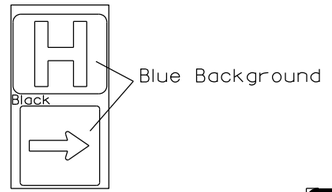
J3-1



J3-2

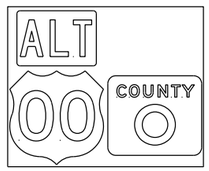


J3-3

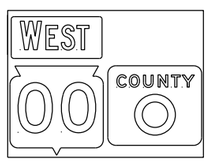


JH-1

J4-1

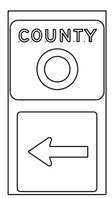


J4-2



J4-2

J12-1



J13-1

J32-1

J33-1

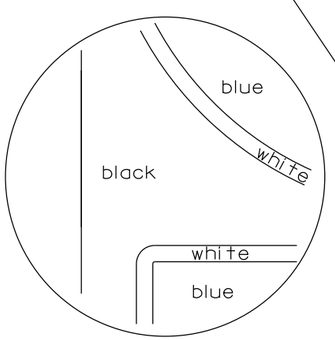
J22-1

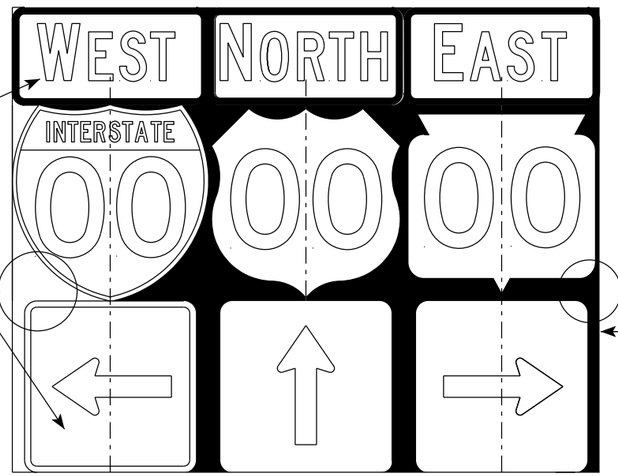
J23-1

JR13-1

JR23-1

JR99-1





NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/21 PLATE NO. A2-1S.9

PROJECT NO:

SHEET NO: 684 E

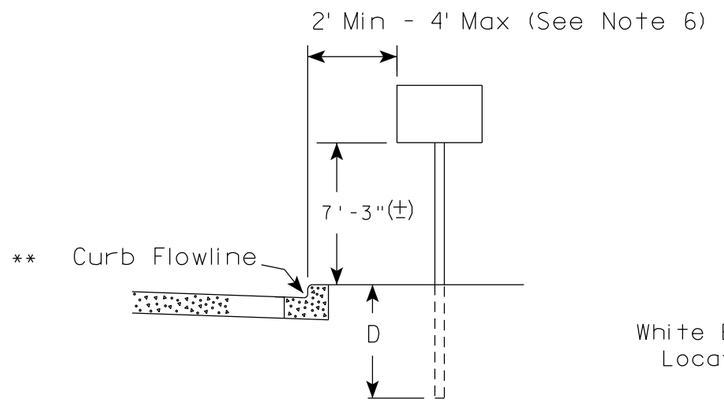
FILE NAME : C:\CAEfiles\Projects\tr_stdplate_A21S.dgn PLOT DATE : 18-MAR 2021 1:37 PLOT BY : mscj9h PLOT NAME :

WISDOT/CADDS SHEET 42

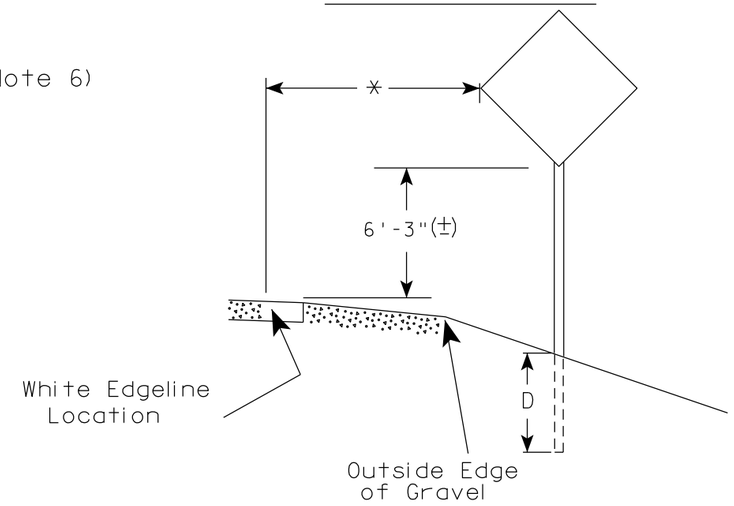
7

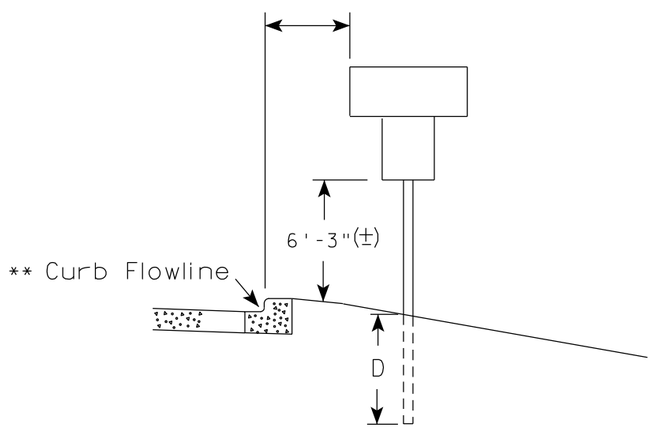
7

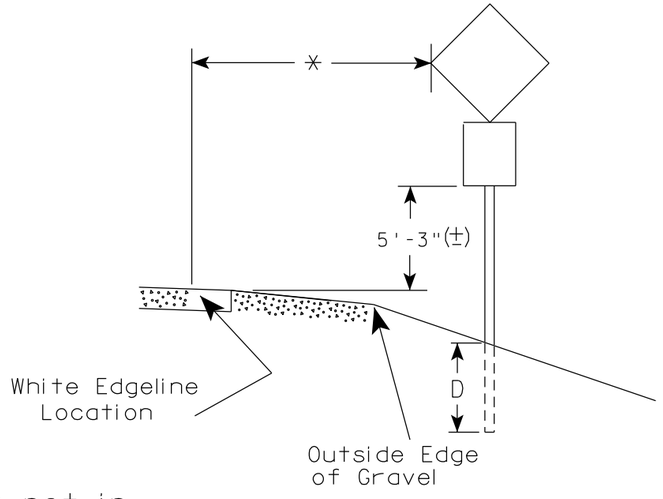
URBAN AREA



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.

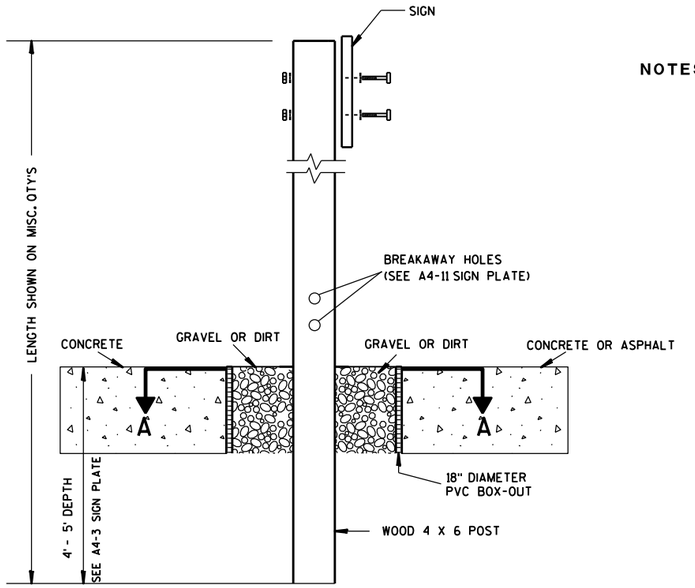
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

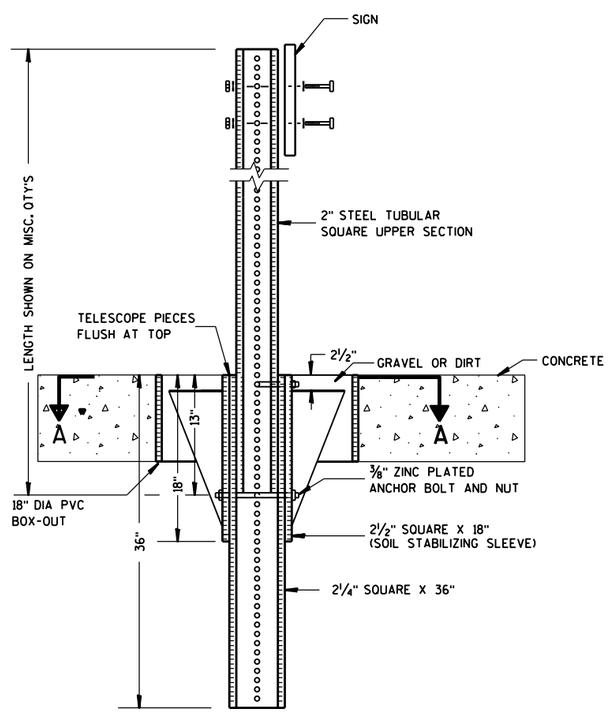
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 685	E



ELEVATION VIEW

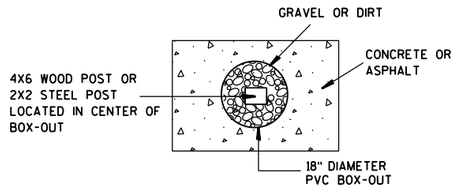
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

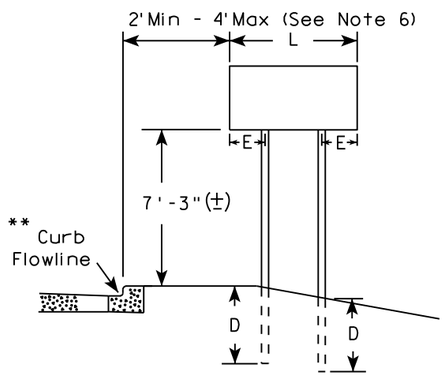
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

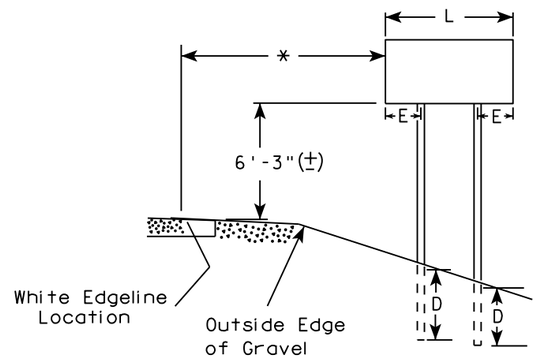
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

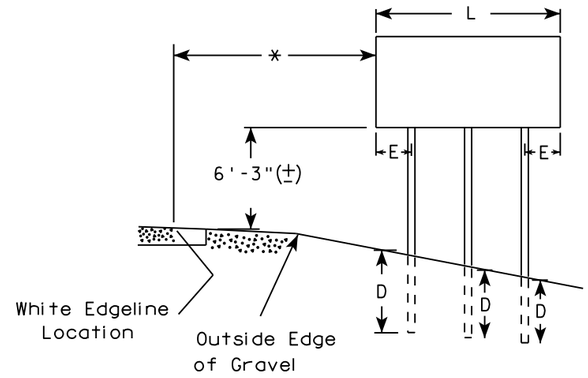
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

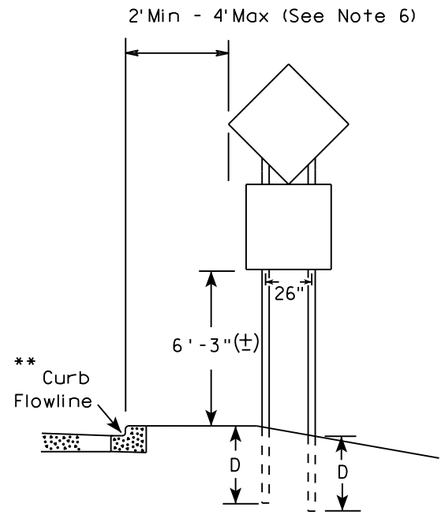
URBAN AREA



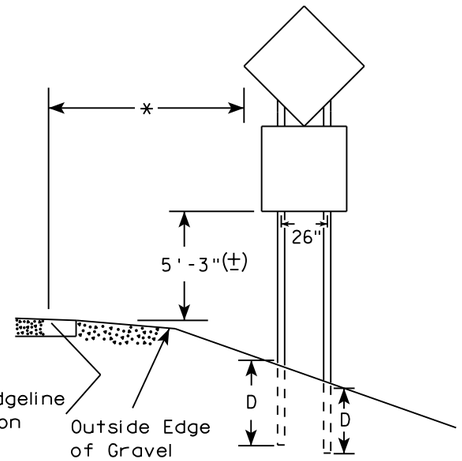
RURAL AREA (See Note 3)







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'

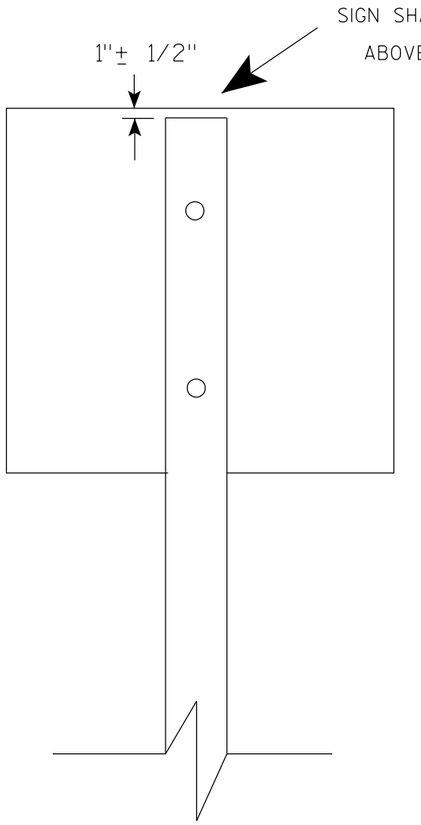
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

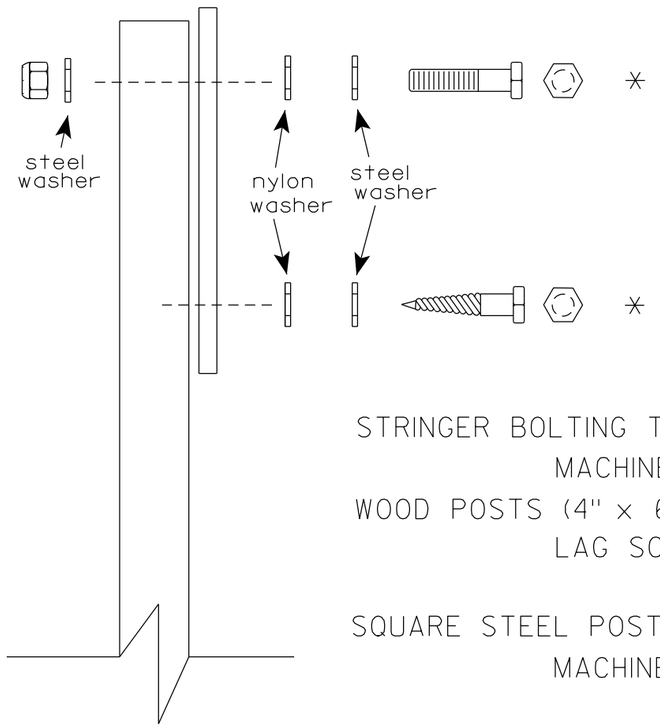
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 687	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: 688 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 01-APRIL-2020 PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

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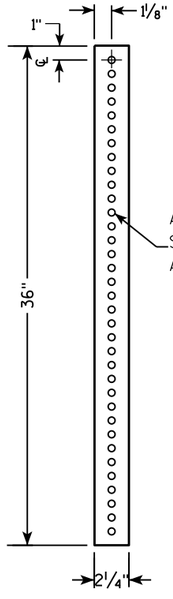
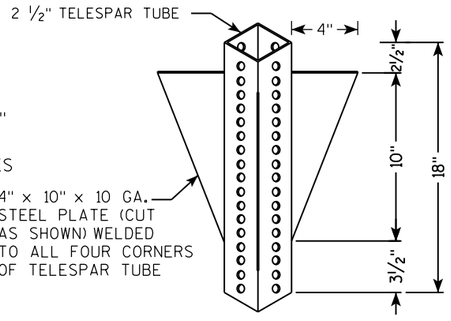
TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

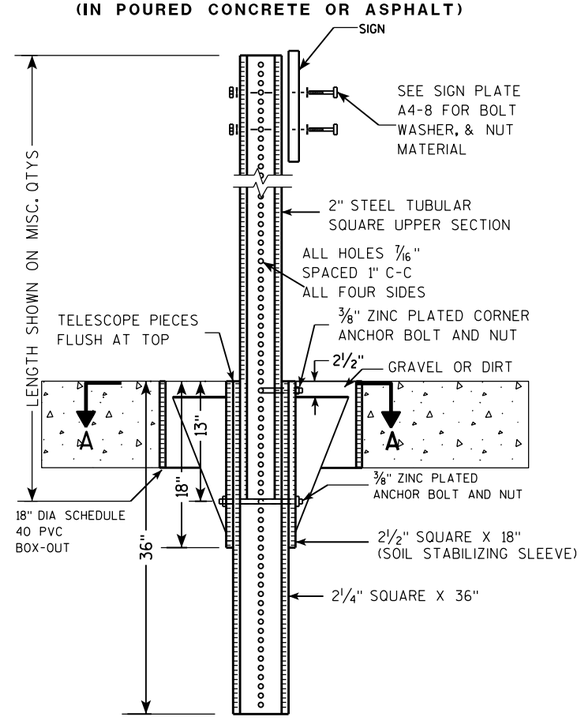
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



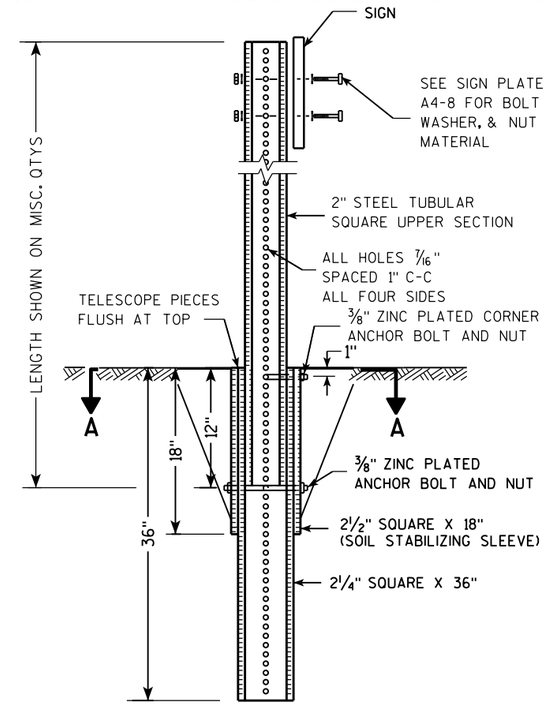
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

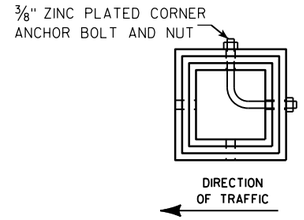


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

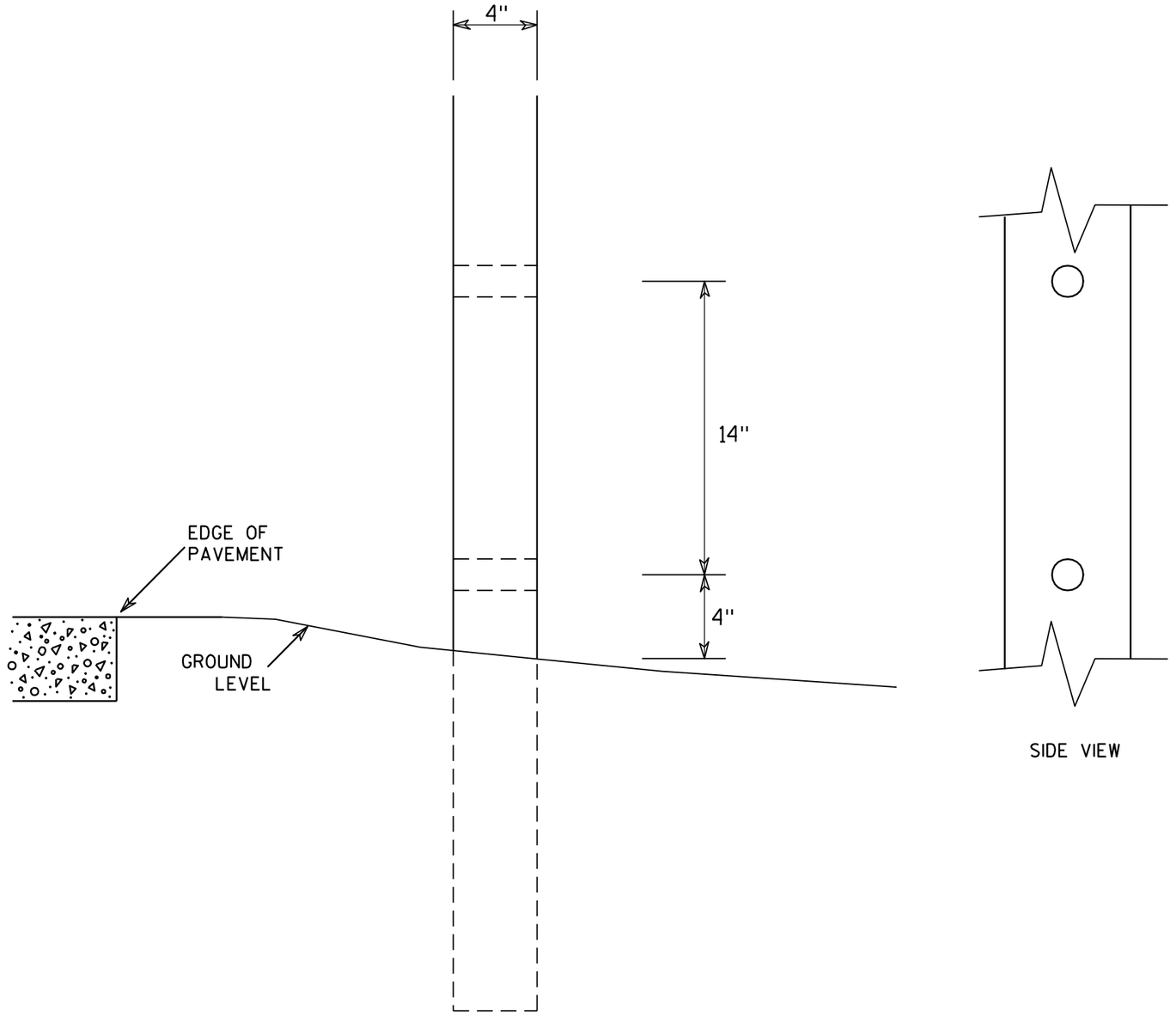
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 689 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

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4 X 6 WOOD POST MODIFICATIONS

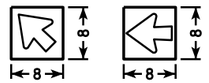
WISCONSIN DEPT OF TRANSPORTATION

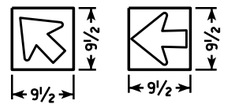
APPROVED Chester J Spang
for State Traffic Engineer

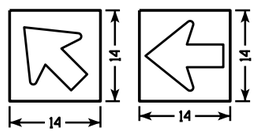
DATE 3/27/97 PLATE NO. A4-11.2

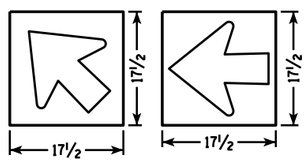
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 690	E

SIGN LAYOUT WITH VARIOUS SIZED MESSAGES







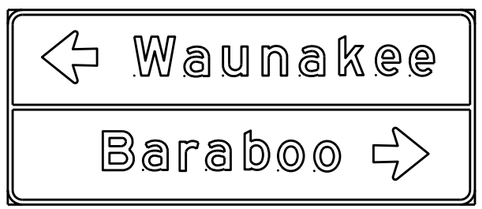


GENERAL NOTES

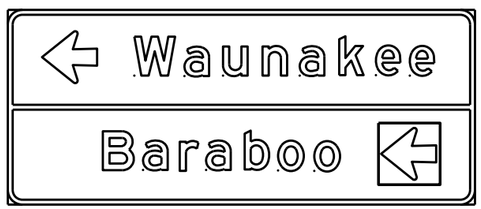
1. Materials shall conform to Standard Specification Section 637.
   Base - Sheet Aluminum 0.040" Thickness
   Sheeting - Orange Type F Reflective
   Arrow - Black Non-Reflective
2. Arrow signs shall be fastened to permanent sign by either aluminum rivets or aluminum self-tapping sheet metal screws. There shall be a minmum of 2 fasteners used per arrow sign.
3. There shall be a spacer consisting of a 0.08" nylon washer between the back of the arrow sign and the face of the permanent sign.
4. Arrows are per standard plate A1-2
5. Use separate arrow sign for each destination
6. Tilt arrow is always at 45 degrees
7. Arrow is centered on arrow sign

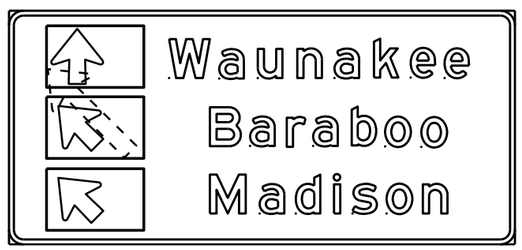
Lower Case Copy Size	Standard Width (Single Arrow)	2 Line Tilt Arrow Cover Width	3 Line Tilt Arrow Cover Width	Height
3¾" Series C	8	9 ½	14 ½	8
4½" Series D & E	9 ½	10	15	9 ½
6" Series D & E	14	16	20 ½	14
8" Series E	17 ½	20 ½	25	17 ½

BEFORE



AFTER





DESTINATION DIRECTIONAL ARROW FOR DETOUR SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/08/14

PROJECT NO:

SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A412.DGN PLOT DATE : 08-OCT-2014 11:50 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

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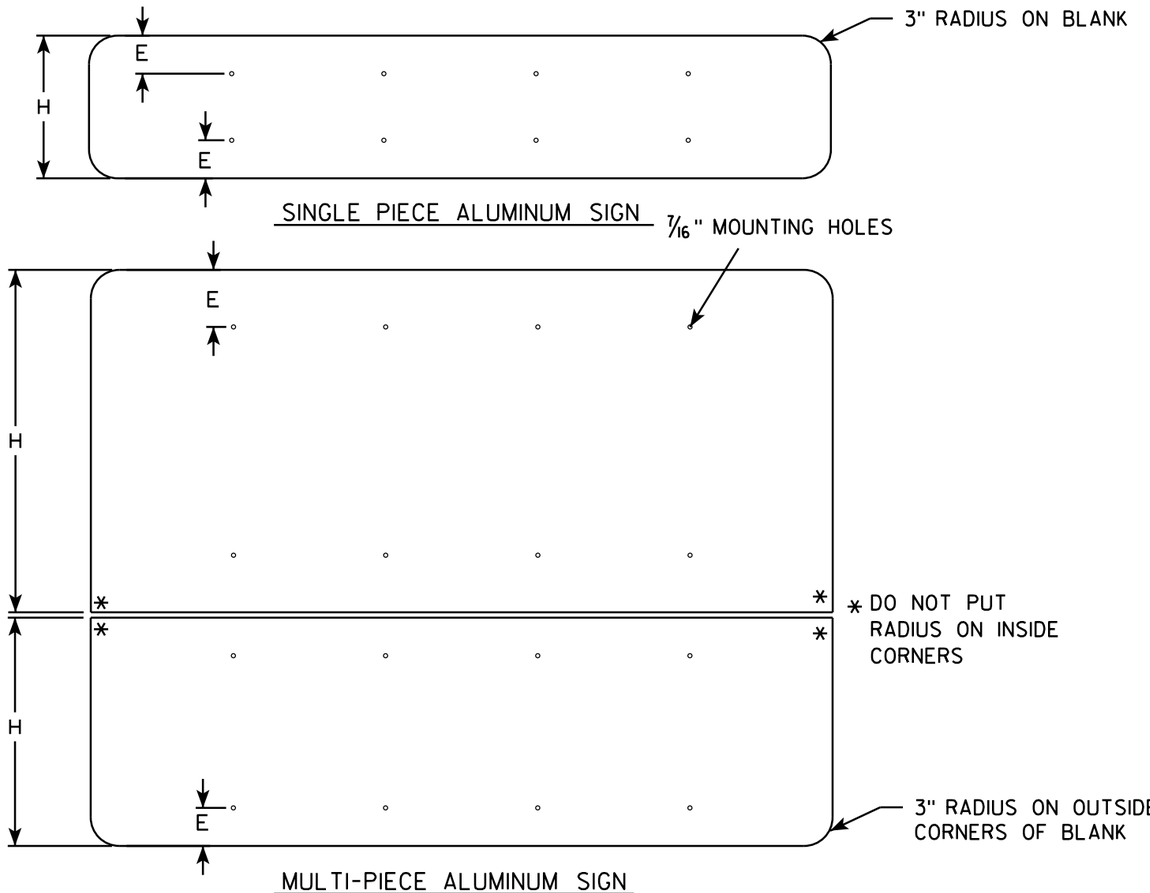
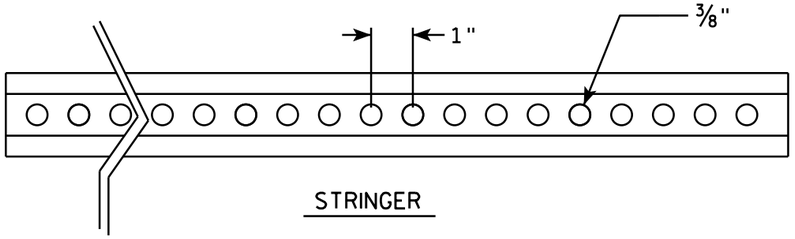


GENERAL NOTES

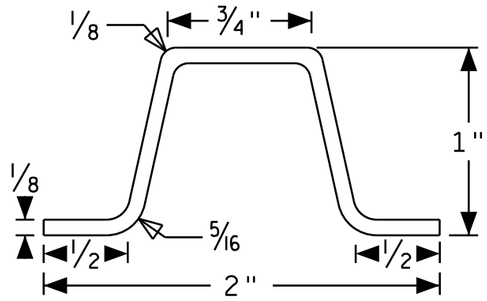
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

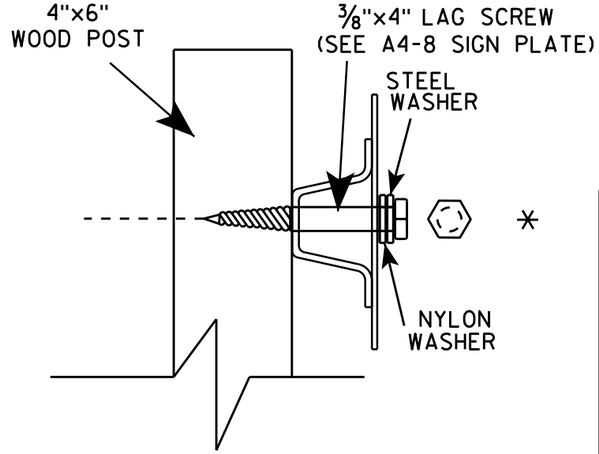


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

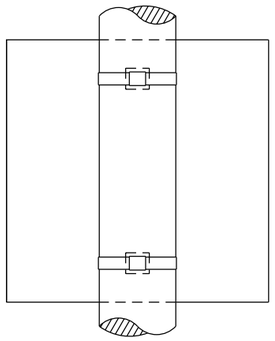
DATE 4/26/16 PLATE NO A4-18.1

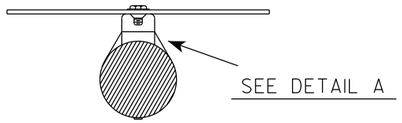
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

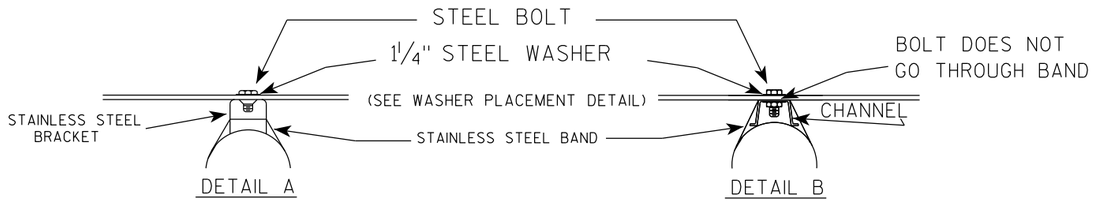
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

BANDING

SINGLE SIGN



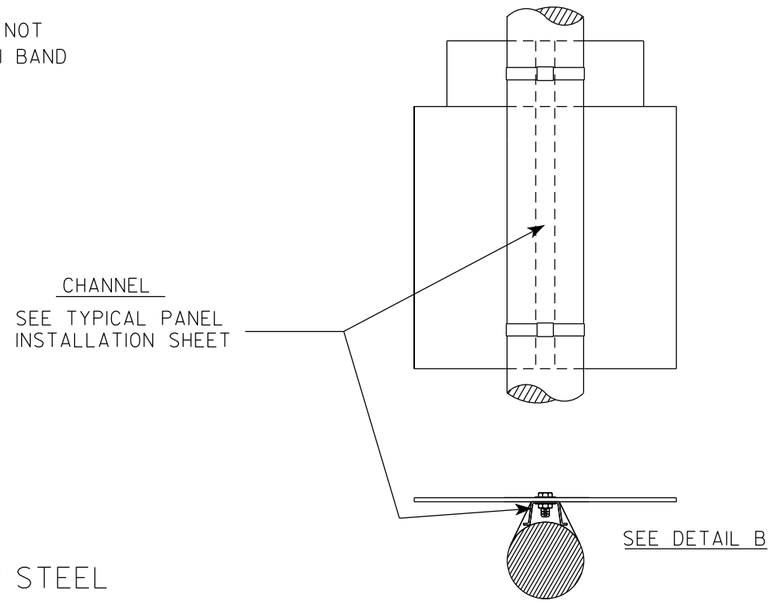




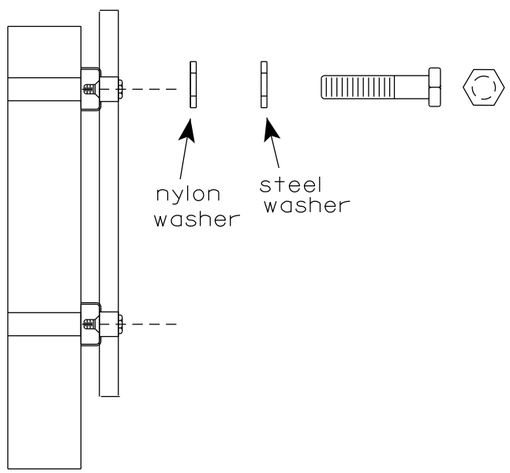
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-9.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 693	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

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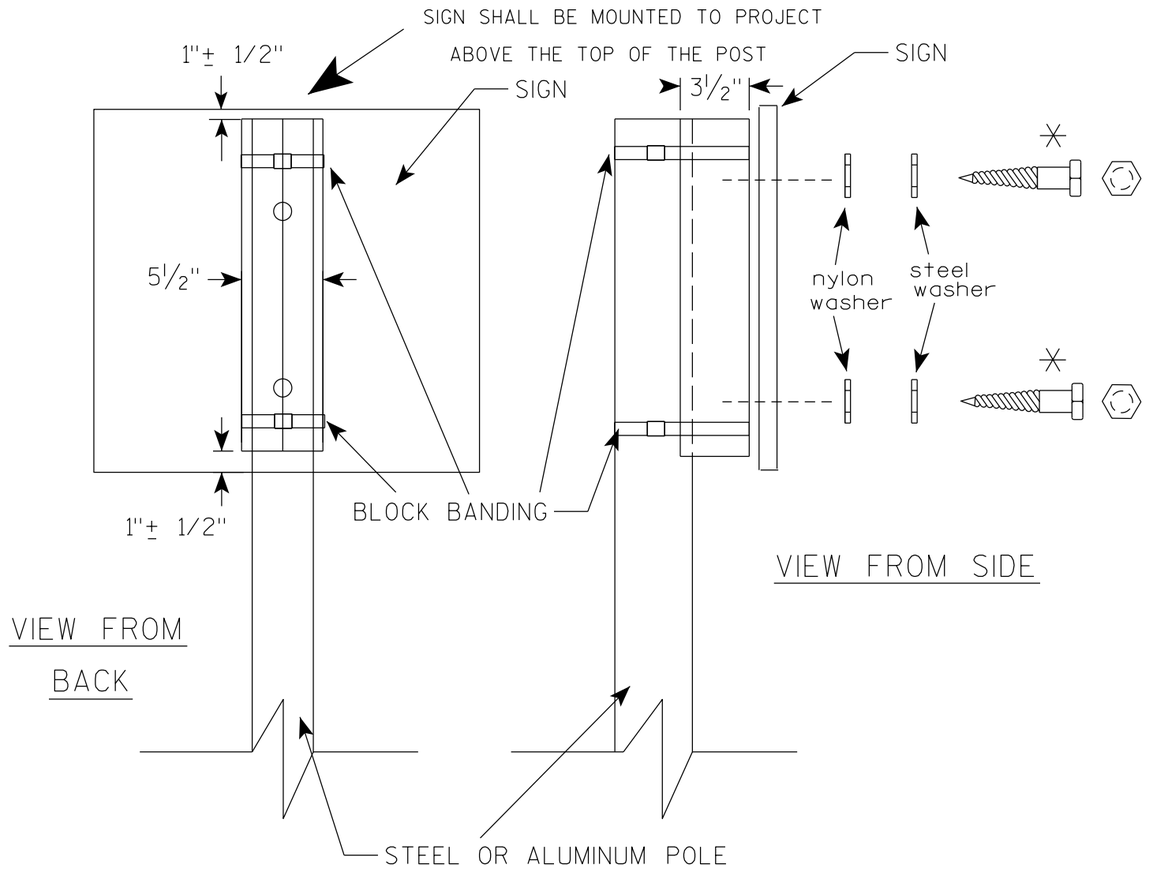
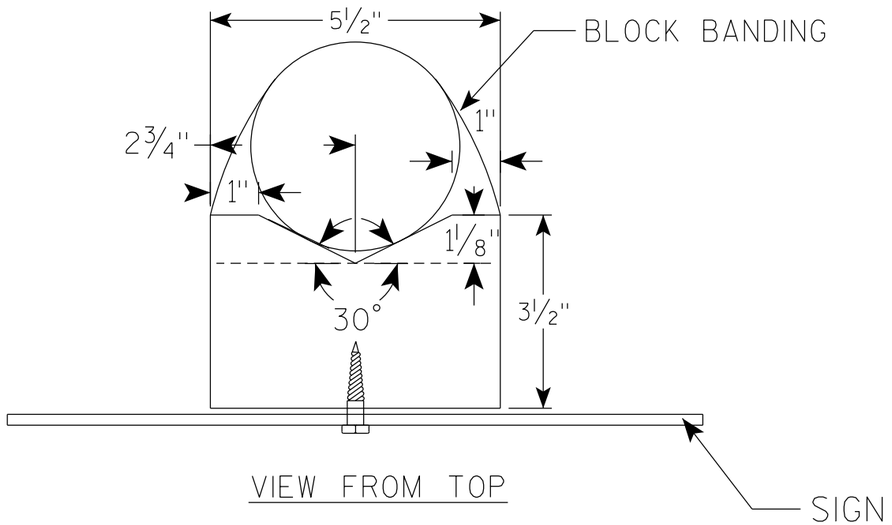




GENERAL NOTES

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)

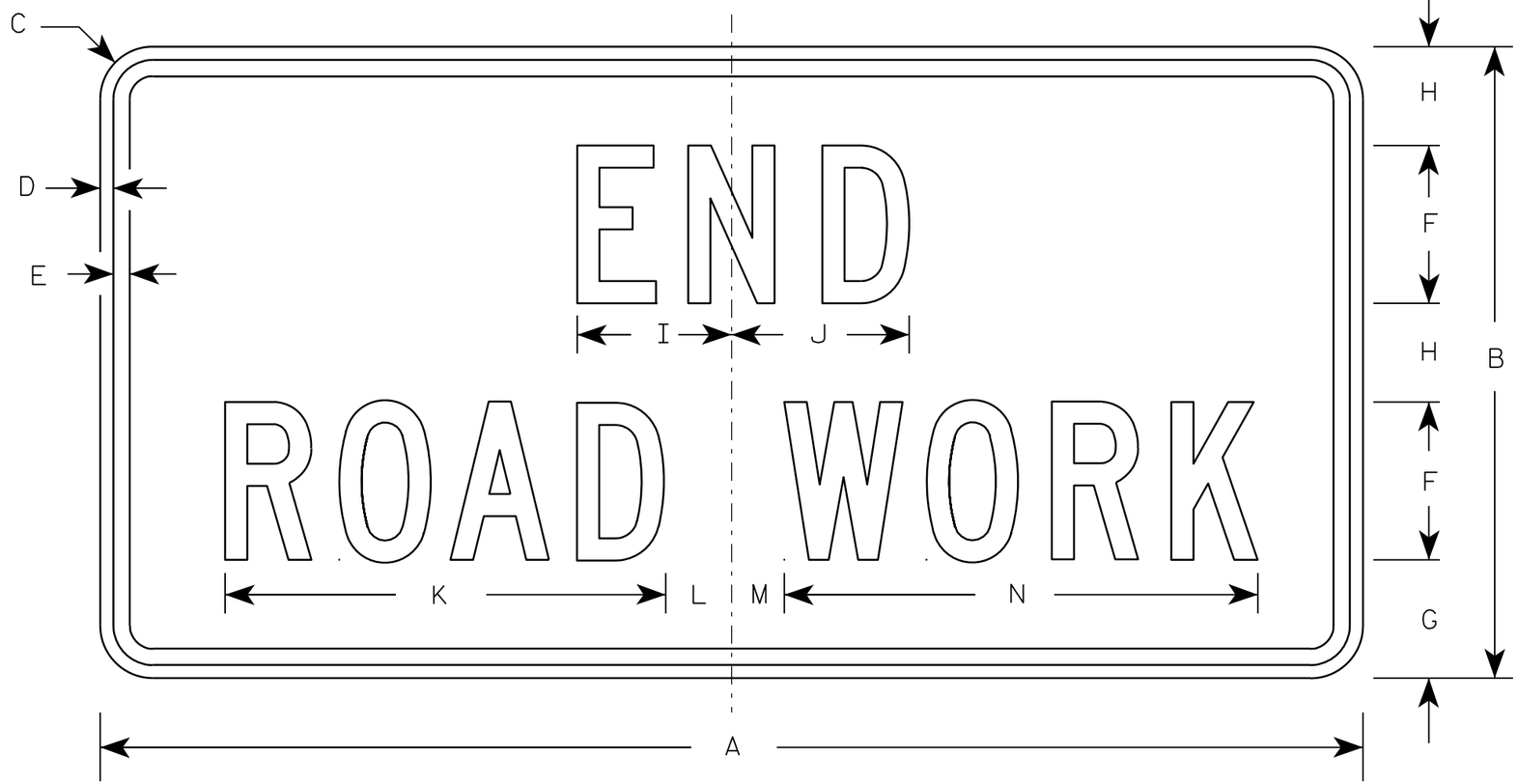
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 694 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

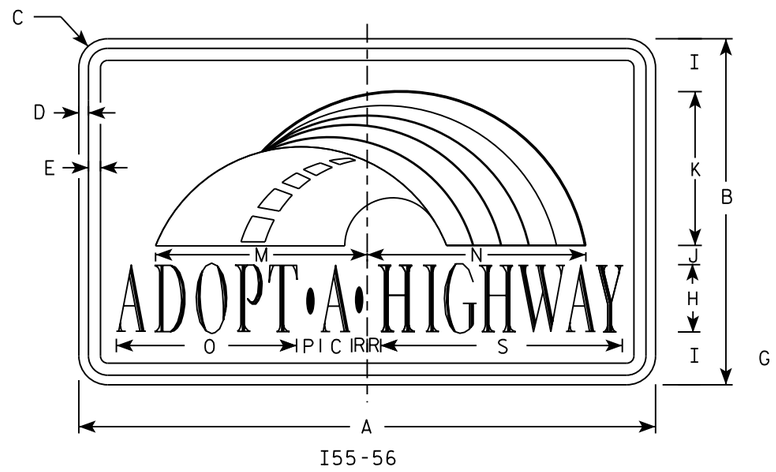
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

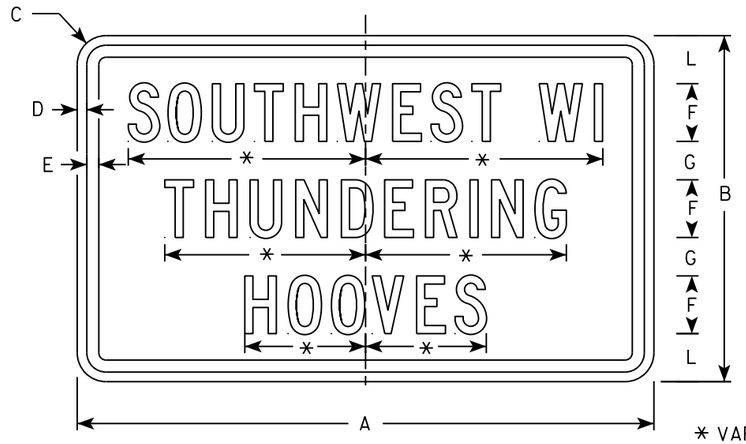
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 695	E



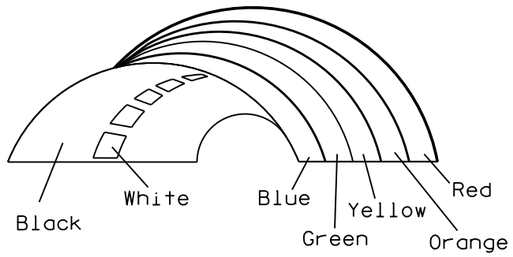
I55-56



I55-56P

* VARIES

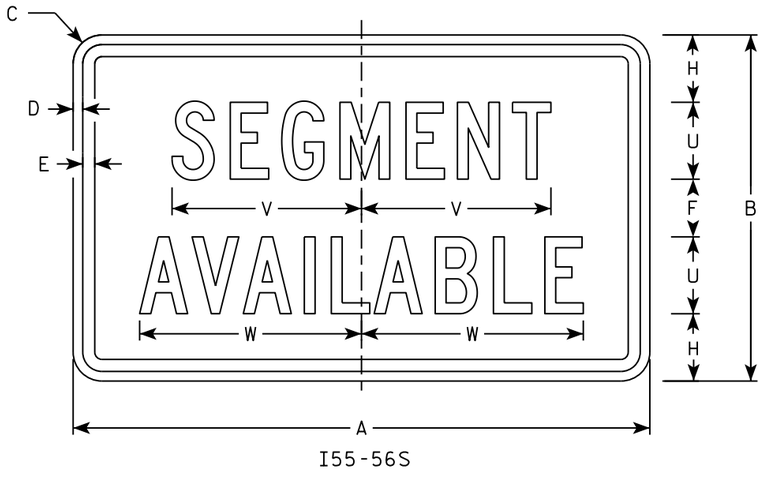
Background Colors of Symbol*



*1/4" Black Border between each color of rainbow and border of rainbow

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - (See Note 4)
3. Message Series - (See Note 5)
4. Border - Blue
   Adopt a Highway - Red
   All other Text - Blue
5. Adopt a Highway - Dutch 8011L
   All other Text - Series C
6. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.



I55-56S

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	18	1 1/2	1/2	5/8	3	2	3 1/2	2 3/4	1	8	2 1/2	11 1/4	11 1/8	9 3/8	1 1/4		3/4	12 5/8	7 1/2	4	9 7/8	11 1/2				3.75
3																											
4																											
5																											

STANDARD SIGN
I55-56

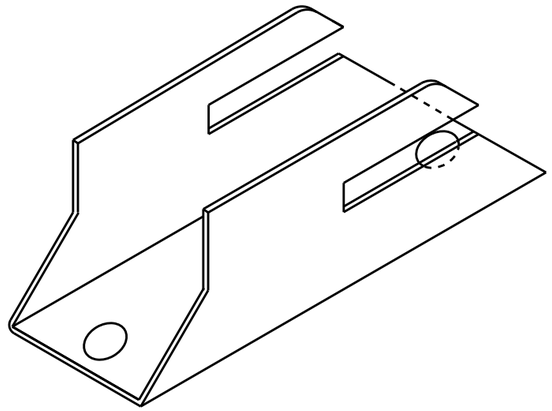
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

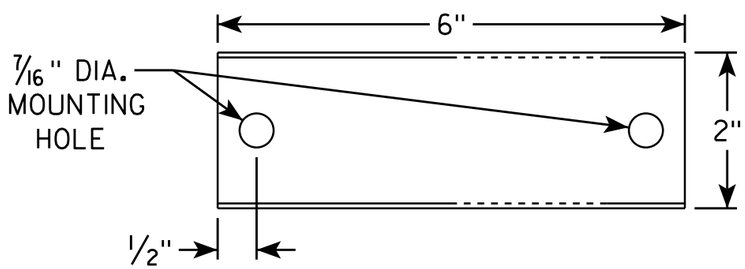
DATE 2/20/18 PLATE NO. I55-56.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 696 | E

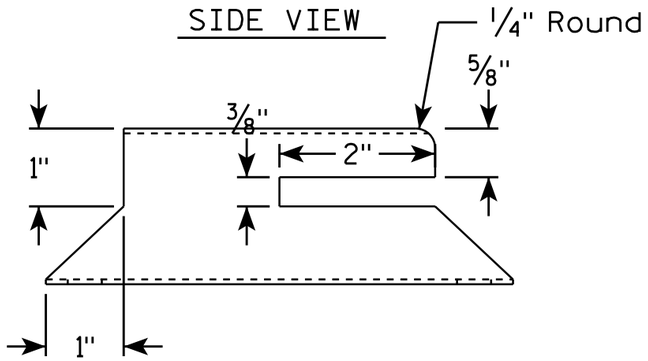
ISOMETRIC VIEW



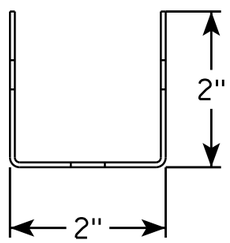
TOP VIEW



SIDE VIEW



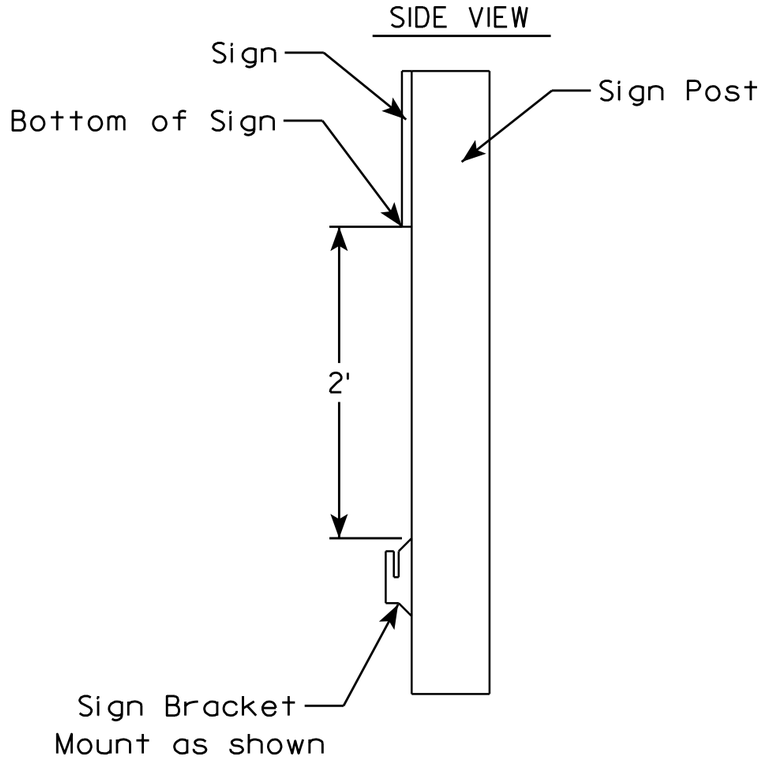
END VIEW



NOTES

1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
4. Shall have rounded edges with at least 1/8" radii.
5. Shall not have unrounded and uncoated metal edges which can contact the back surface of the roll-up sign.
6. Top of bracket shall be mounted 2' below the bottom of the I55-56 sign.
7. Cost of bracket and fastening hardware shall be incidental to the I55-56 sign.

SIDE VIEW



ROLLUP SIGN BRACKET
I55-56B

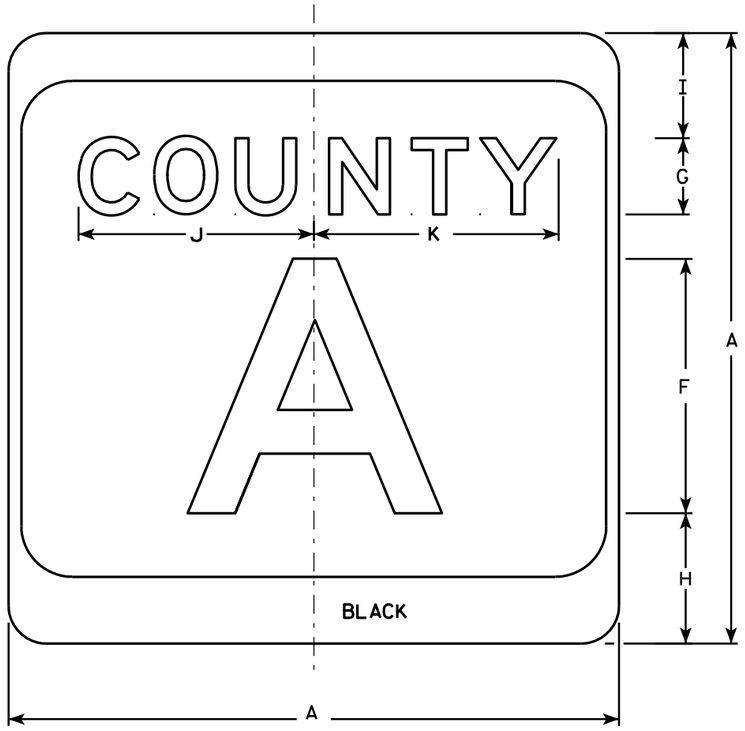
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

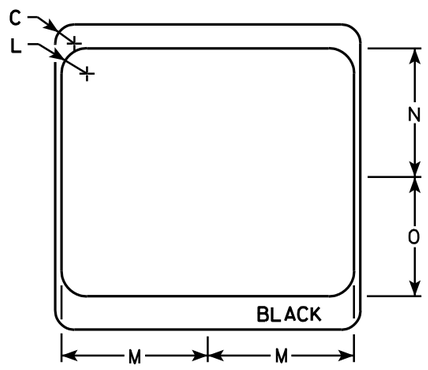
DATE 4/26/16 PLATE I55-56B.2

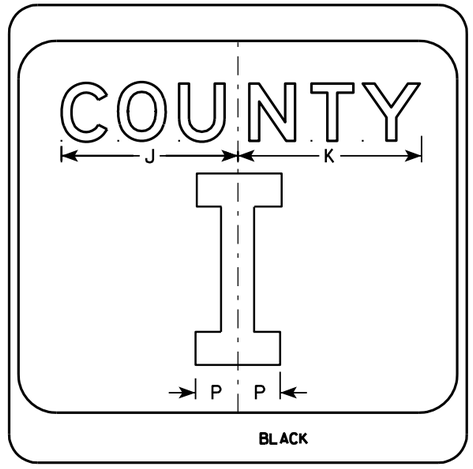
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

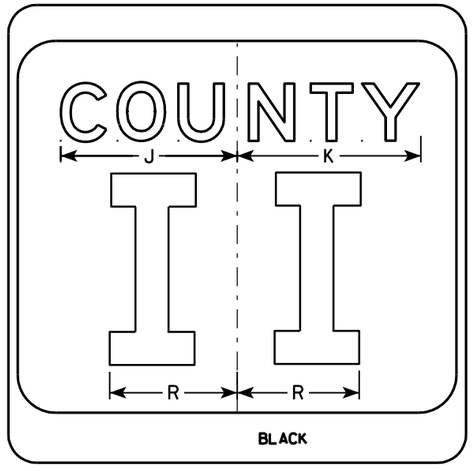
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\I5556B.DGN PLOT DATE : 26-APR-2016 17:29 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 1.945842:1.000000
WISDOT/CADDS SHEET 42



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

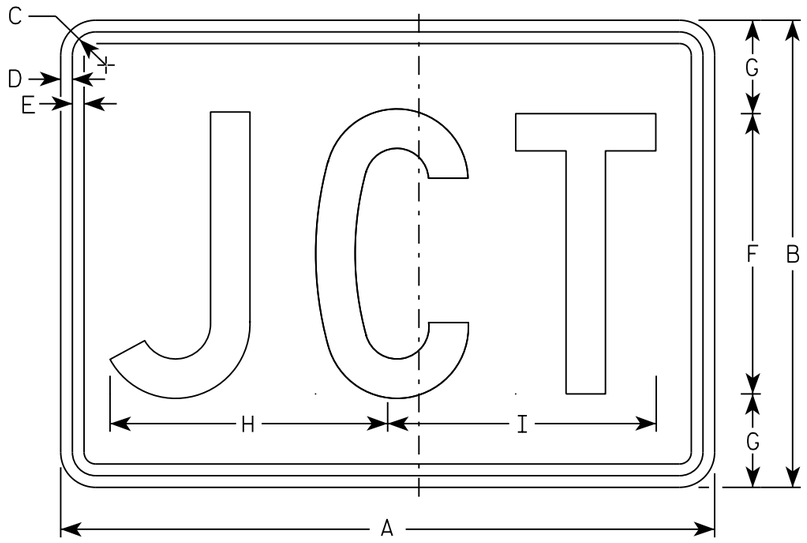
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

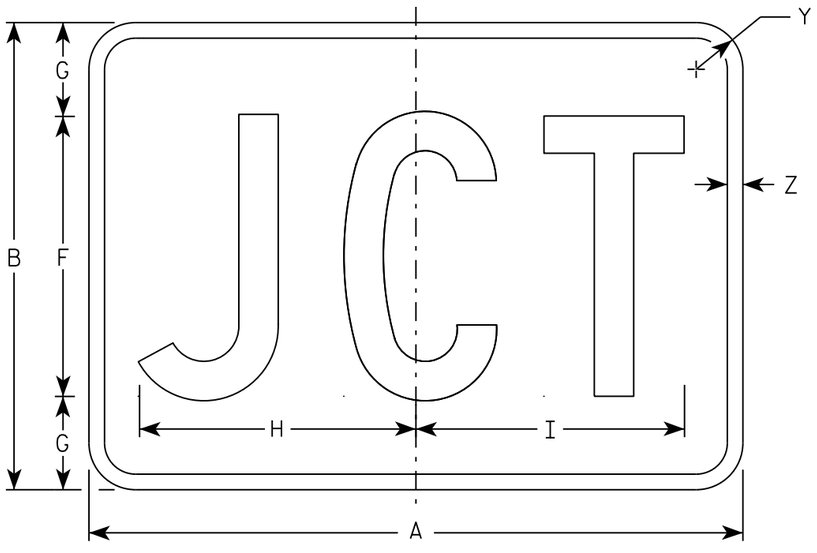
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 698 | E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

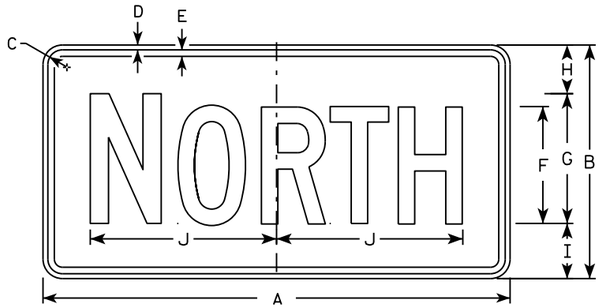
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

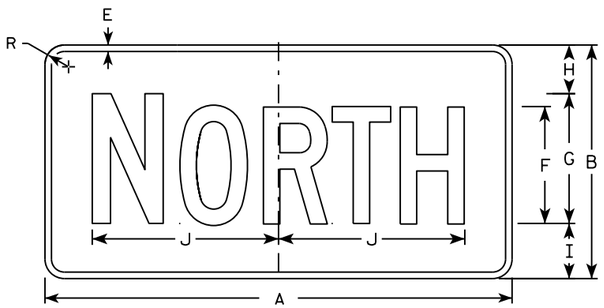
DATE 10/15/15 PLATE 699 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



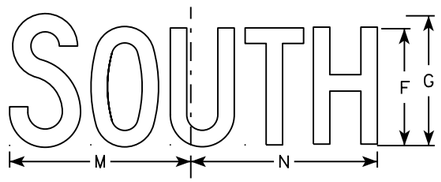
M3-1
MM3-1
MP3-1



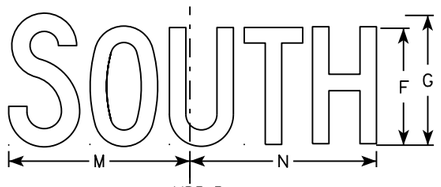
MB3-1
MK3-1
MN3-1

M3-2
MM3-2
MP3-2

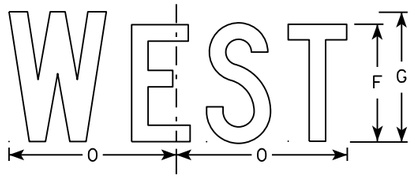
MB3-2
MK3-2
MN3-2



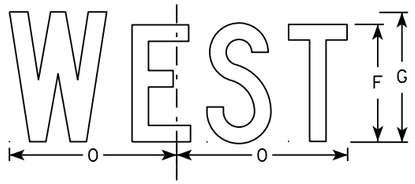
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

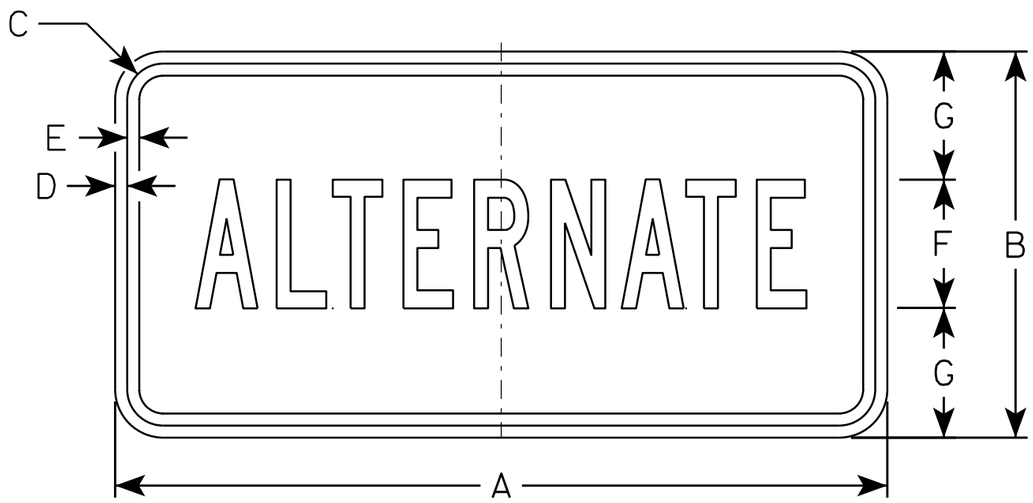
APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

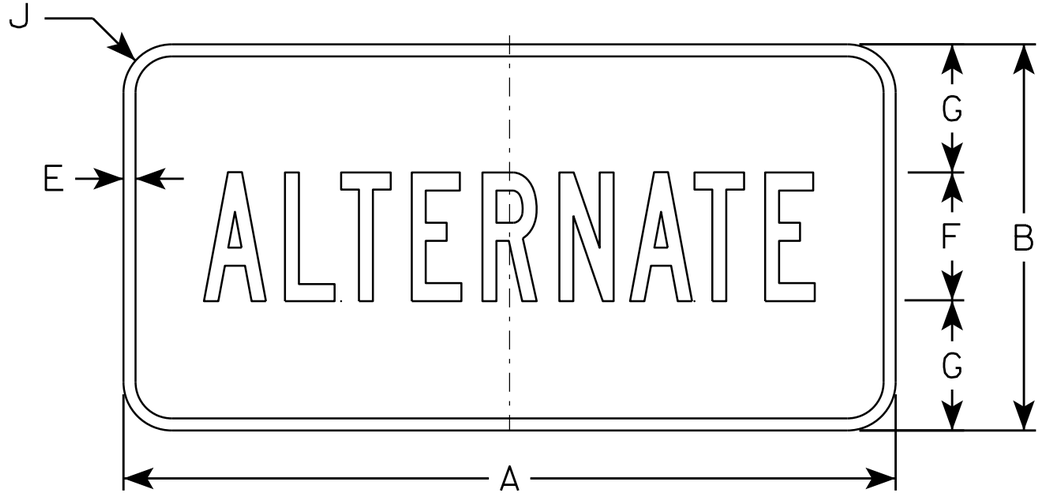
700

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-1
M04-1



MB4-1

NOTES

1. Sign is Type II - Type H except as Shown
2. Color:
   Background - See Note 5
   Message - See note 5
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.
5. M4-1 Background - White
   Message - Black

   MB4-1 Background - Blue
   Message - White

   M04-1 Background - Orange - Type F
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	4	4	9 3/4	9 1/2	1 1/2																	2.00
3	36	18	1 1/8	3/8	1/2	7	5 1/2	16 3/8	16 1/2	1 1/2																	4.5
4	36	18	1 1/8	3/8	1/2	7	5 1/2	16 3/8	16 1/2	1 1/2																	4.5
5	36	18	1 1/8	3/8	1/2	7	5 1/2	16 3/8	16 1/2	1 1/2																	4.5

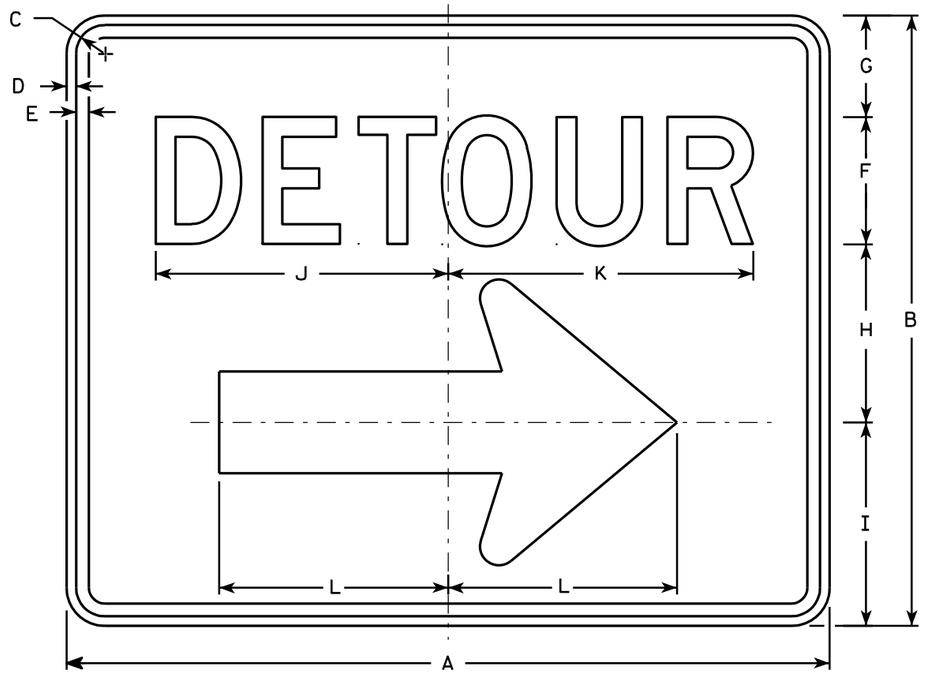
STANDARD SIGN
M4-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/14 PLATE 701 '14-1.8

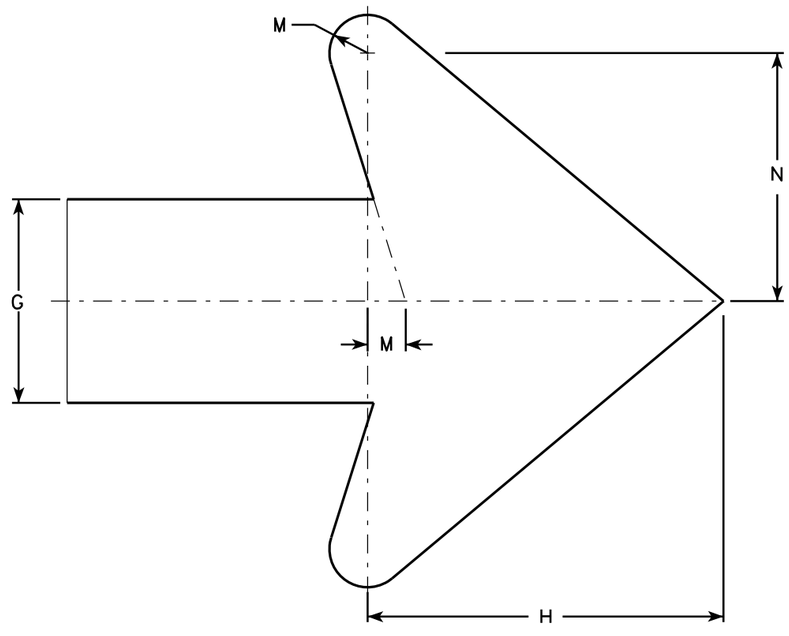
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



M4-9R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

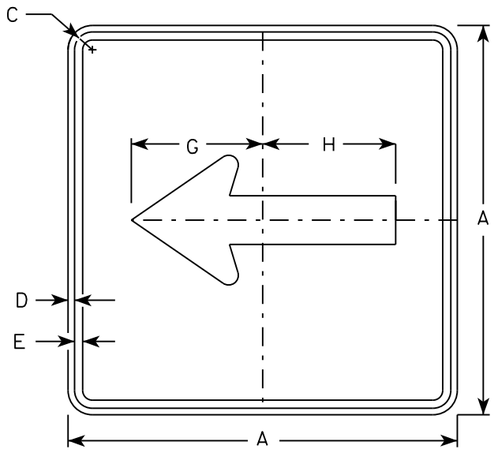
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

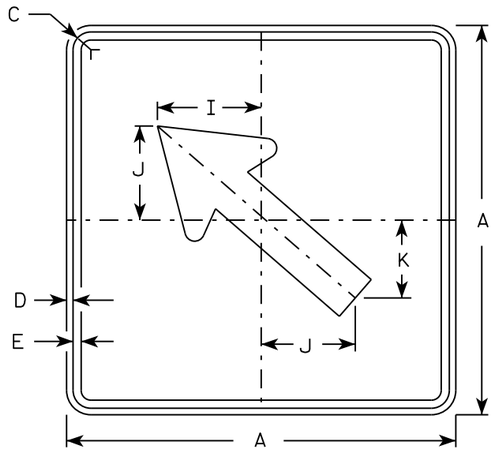
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 702 | E



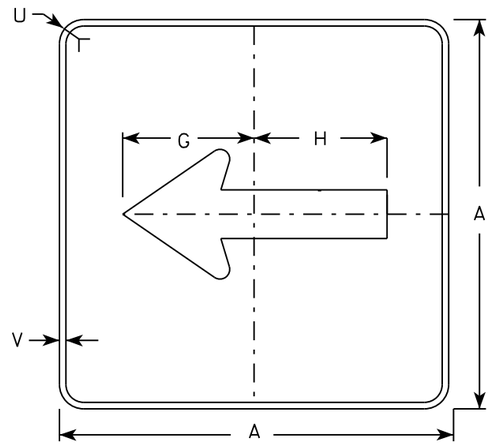
M6-1
MM6-1
MO6-1
MP6-1



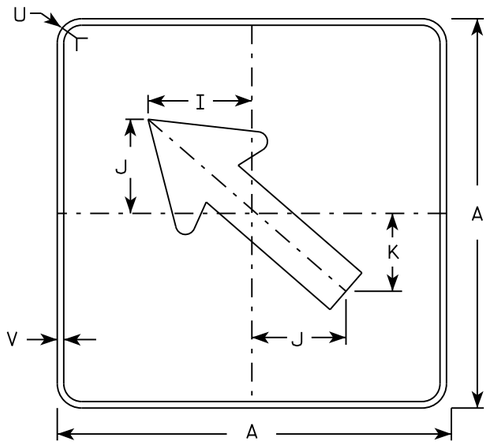
M6-2
MM6-2
MO6-2
MP6-2

NOTES

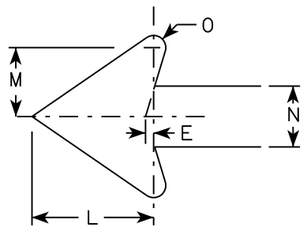
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - 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

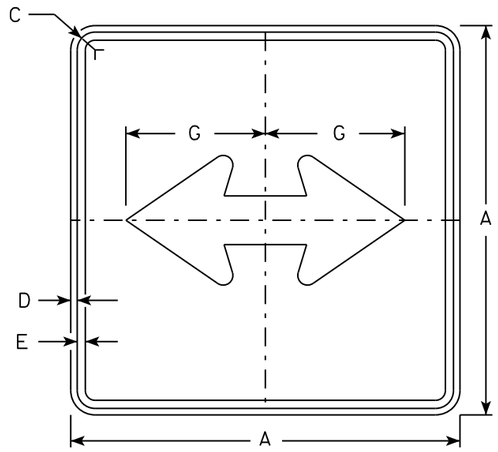
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

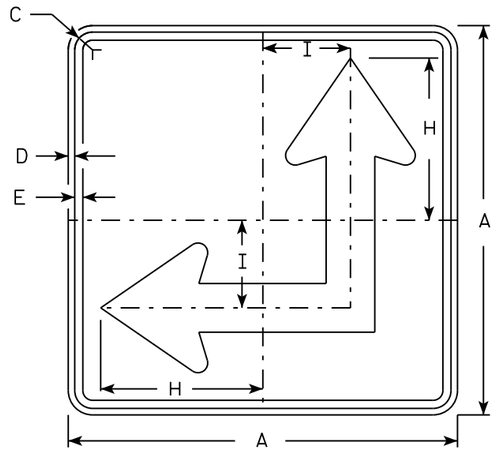
DATE 10/15/15 PLATE 703 M6-1.15

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



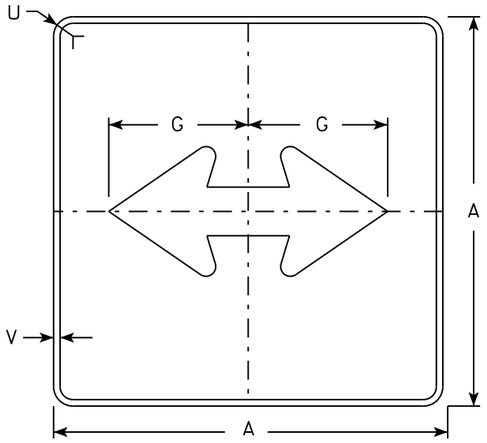
M6-4
MM6-4
MO6-4
MP6-4



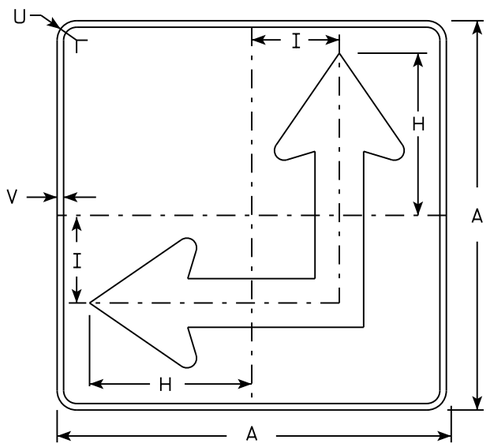
M6-6
MM6-6
MO6-6
MP6-6

NOTES

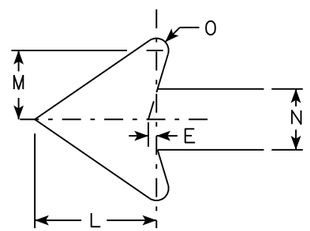
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - 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

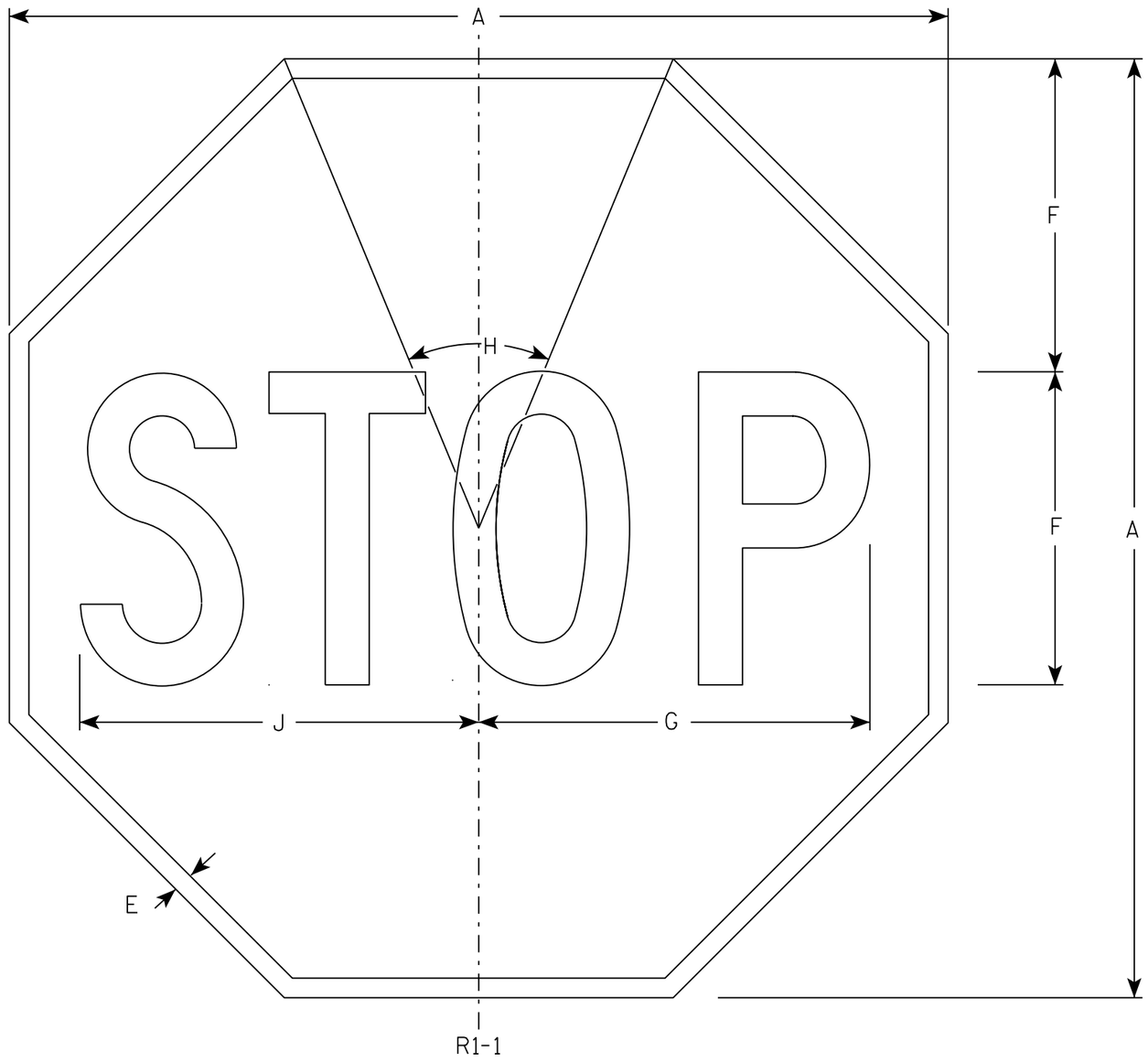
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 704 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

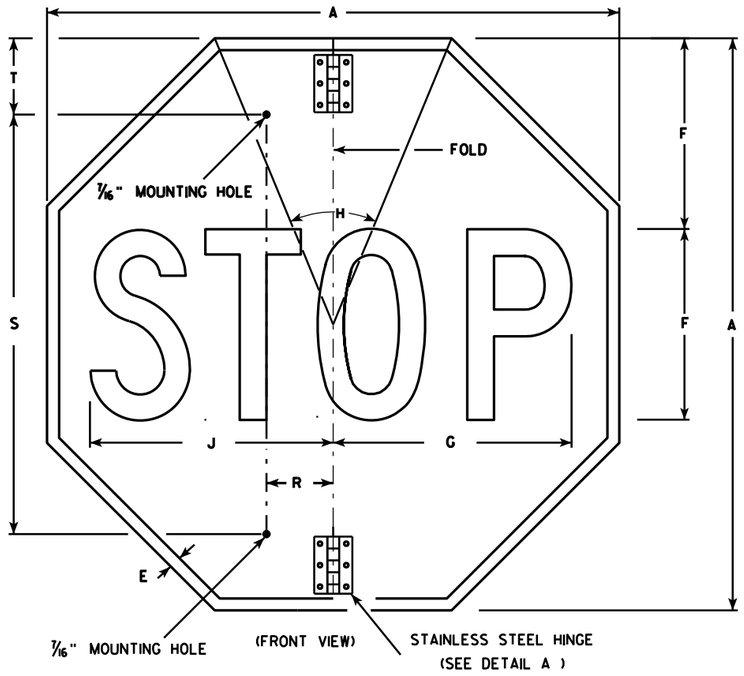
STANDARD SIGN
R1-1

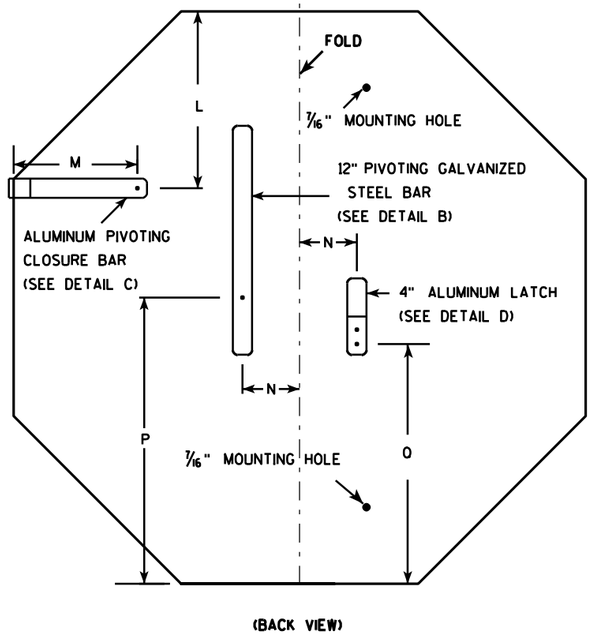
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

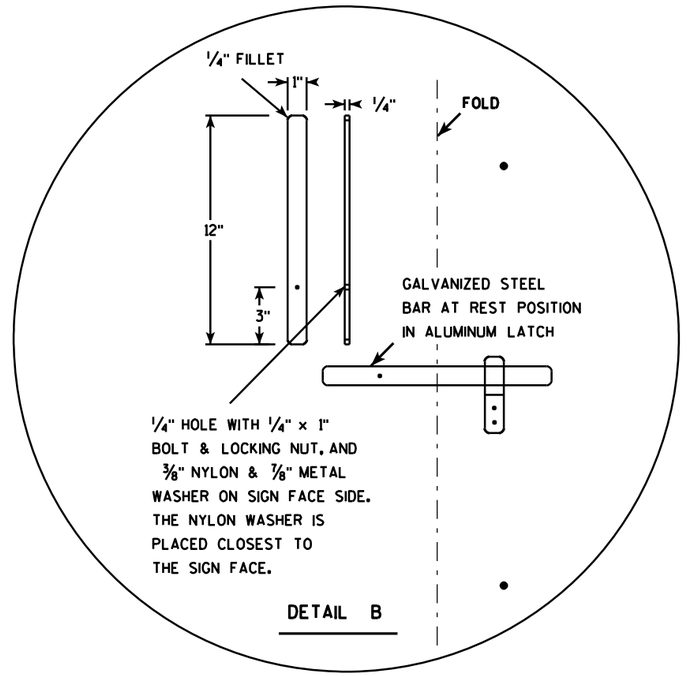
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 705	E



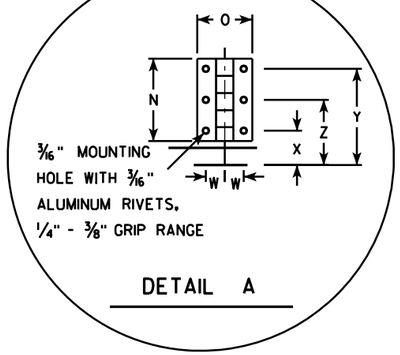


NOTES

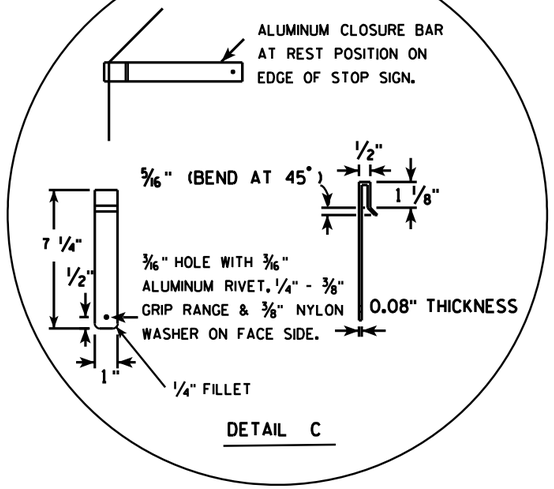
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.



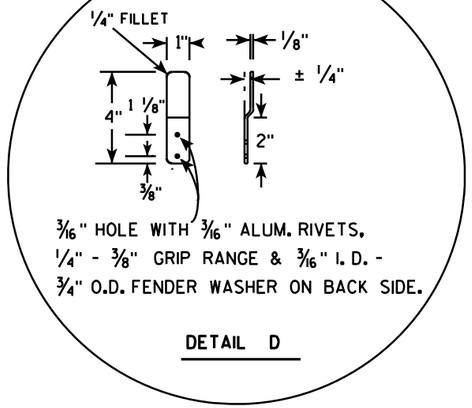
DETAIL B



DETAIL A



DETAIL C



DETAIL D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

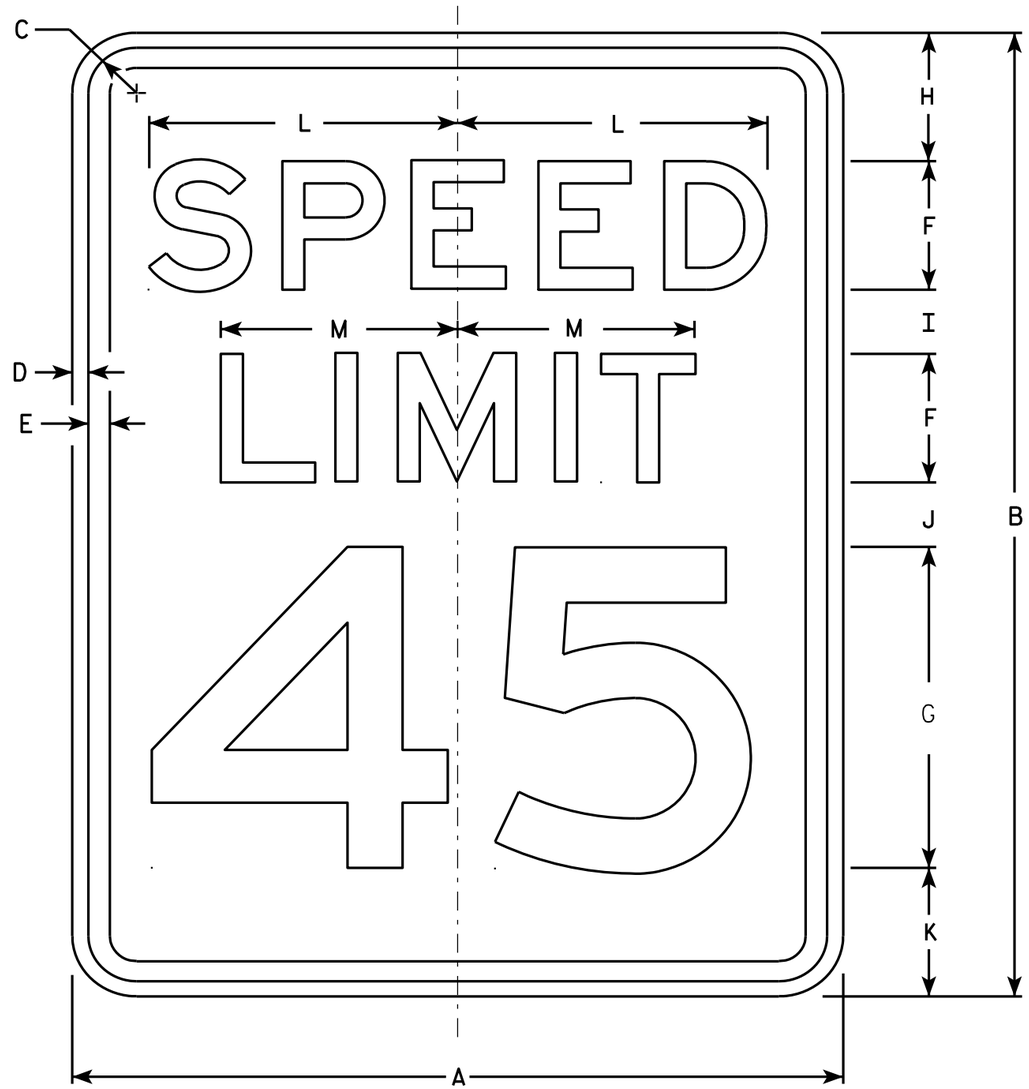
STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 706	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

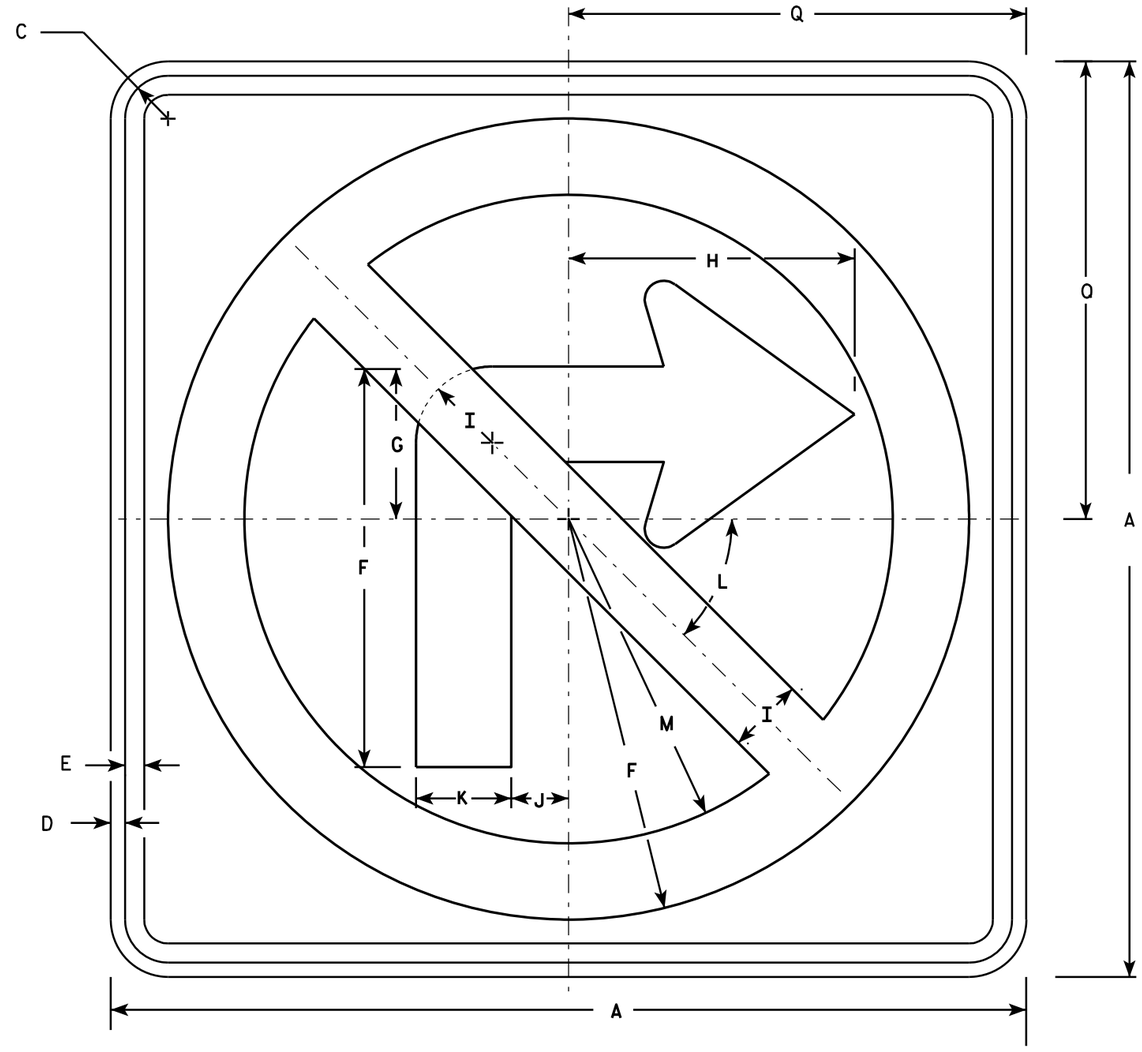
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

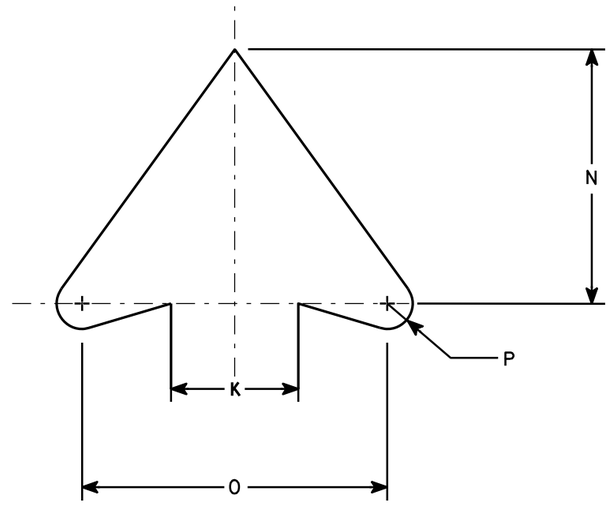
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 707	E



R3-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

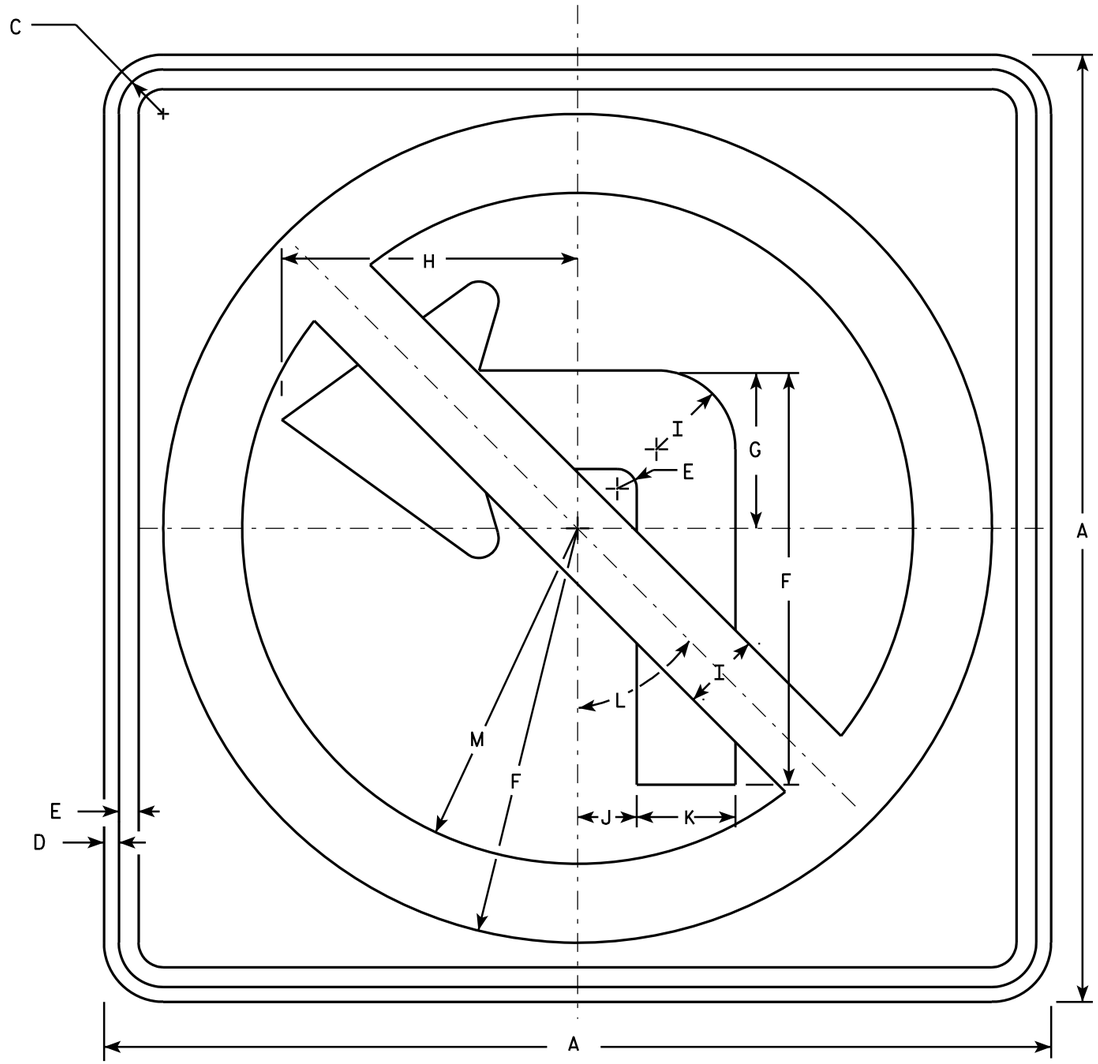
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

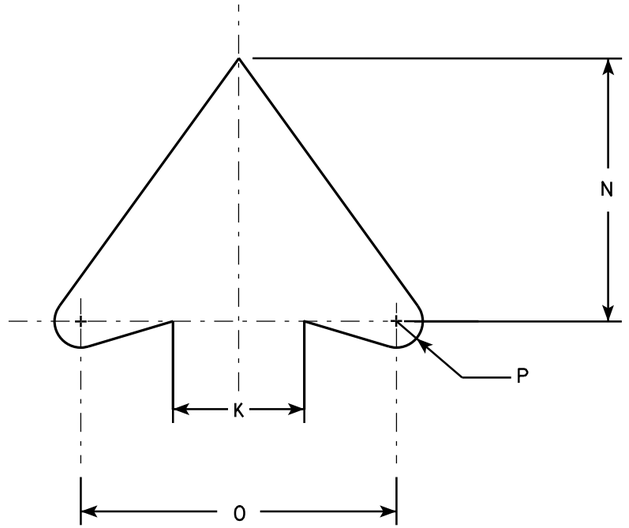
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 708	E



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

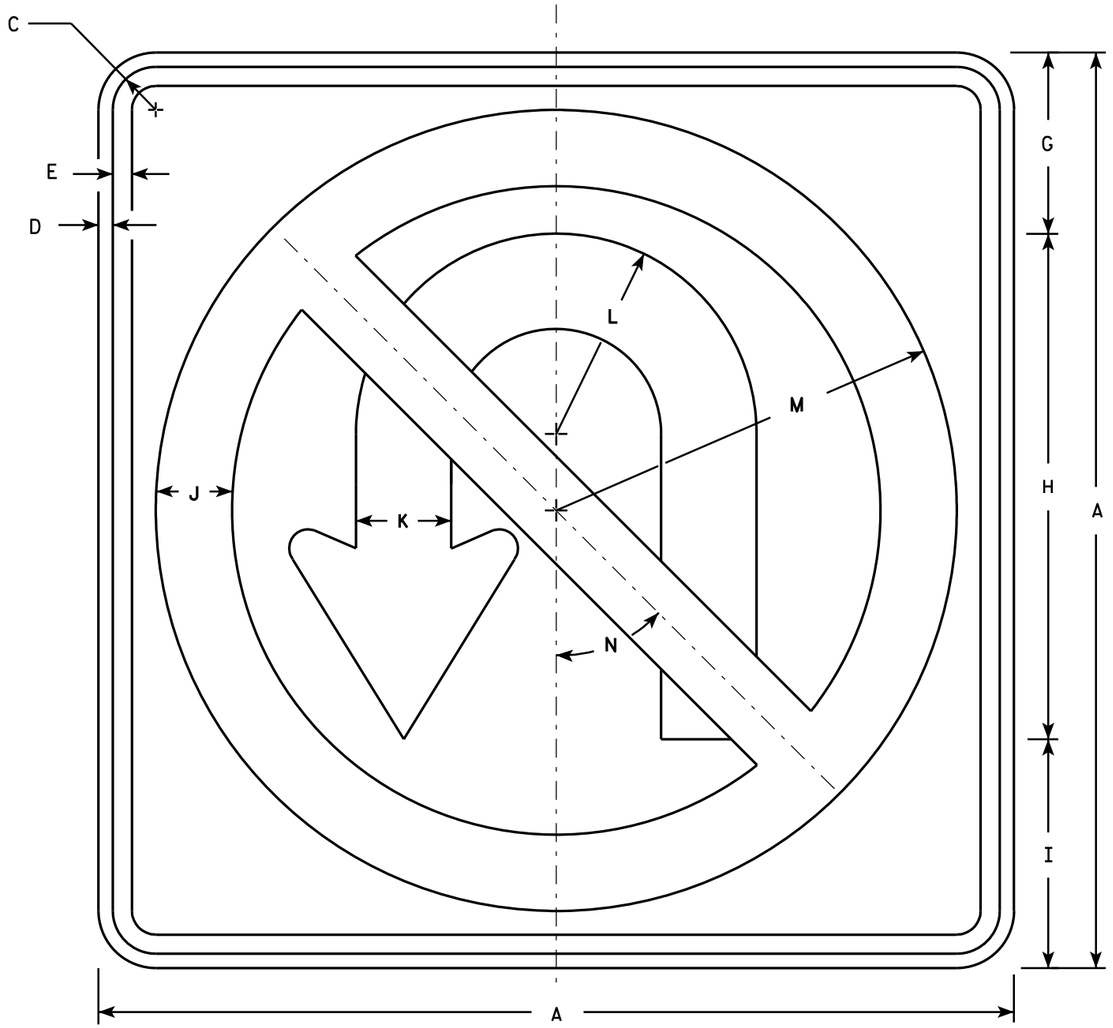
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

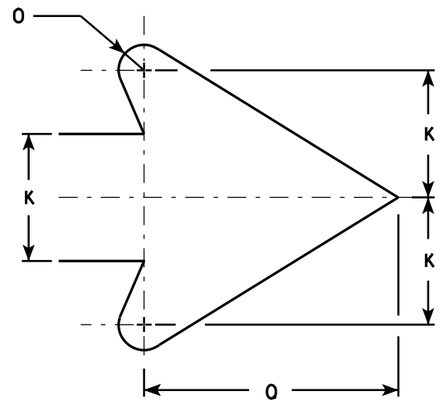
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 709	E



R3-4

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 - 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																											
2S	24		1 1/8	3/8	1/2		4 3/4	13 1/4	6	2	2 1/2	5 1/4	10 1/2	45°	1/2		5										4.0
2M	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
3	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
4	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
5	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0

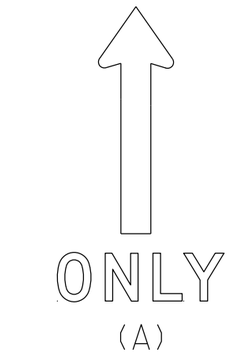
STANDARD SIGN
R3-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

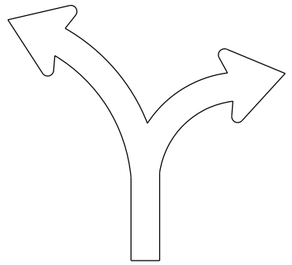
DATE 12/08/10 PLATE NO. R3-4.11

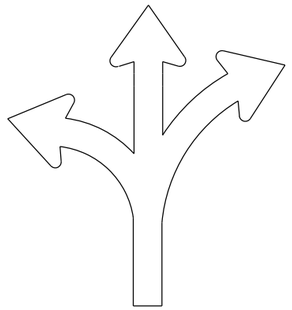
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 710	E

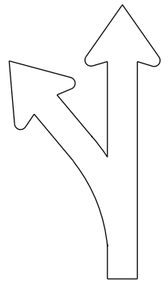


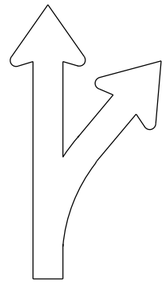
(A)

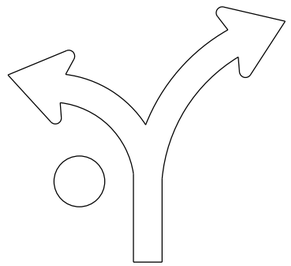
(B)

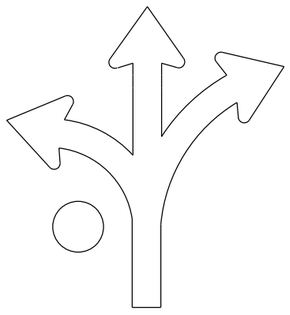

(C)

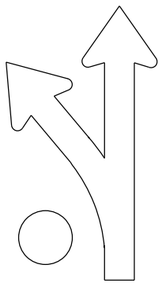

(D)


(E)

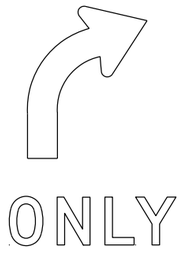

(F)


(G)

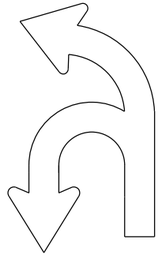

(H)


(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

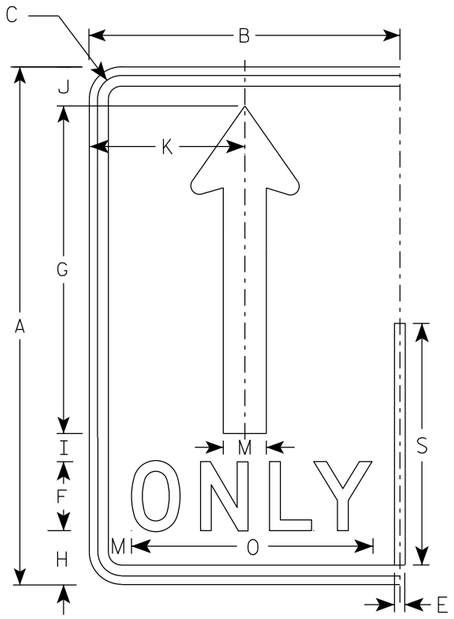
7

PROJECT NO:

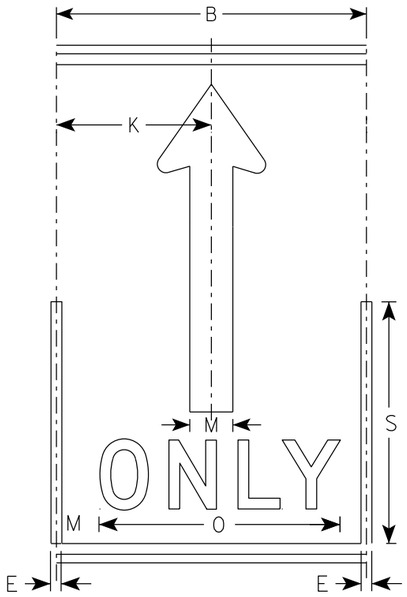
SHEET NO: 711 E

NOTES

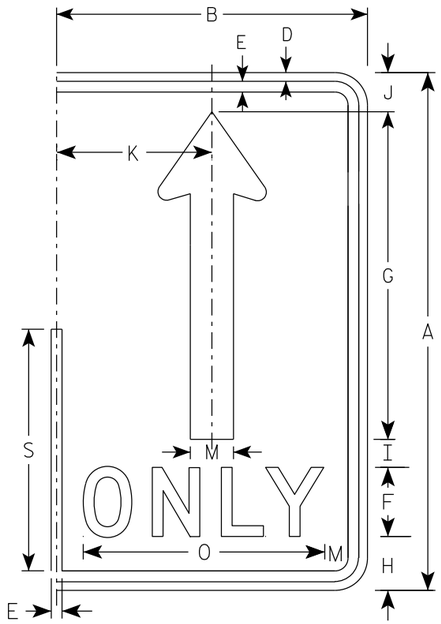
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



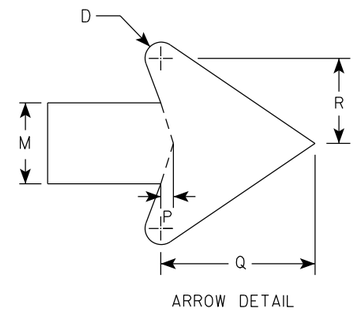
(A)



(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

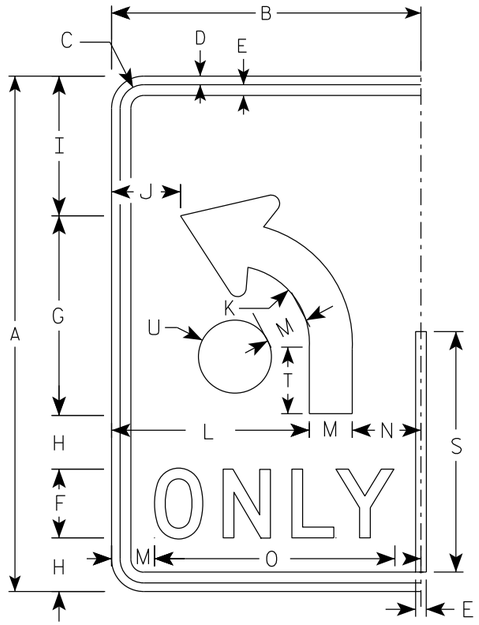
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

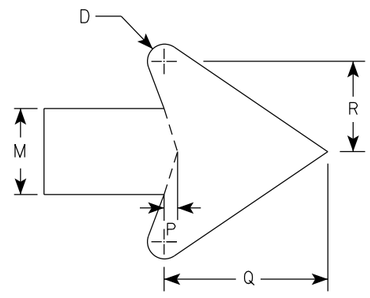
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 712 | E

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

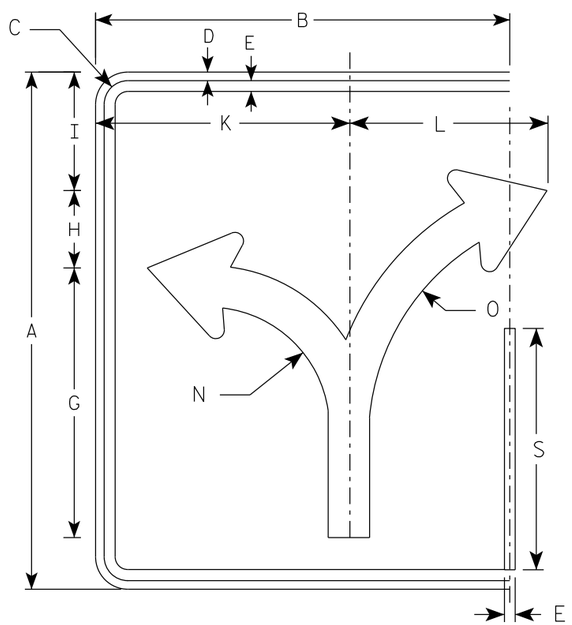
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

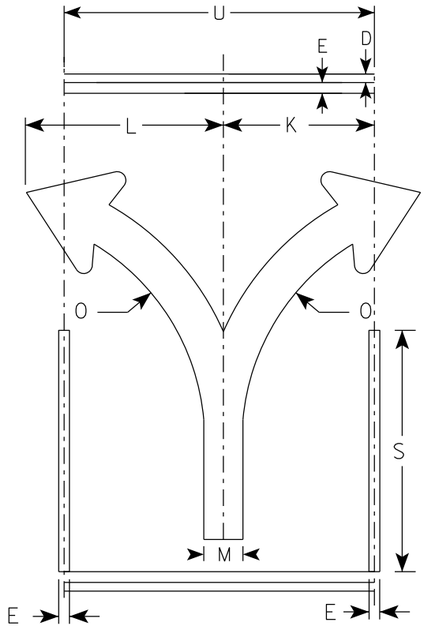
SHEET NO: 713 E

NOTES

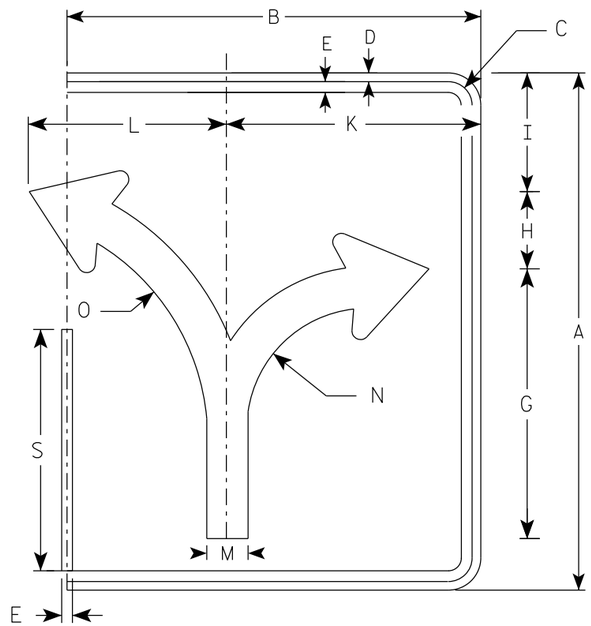
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



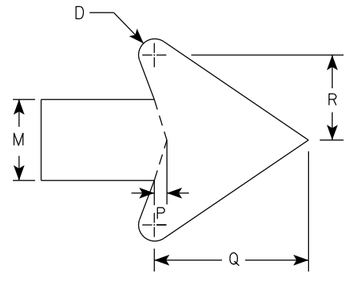
(C)



(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

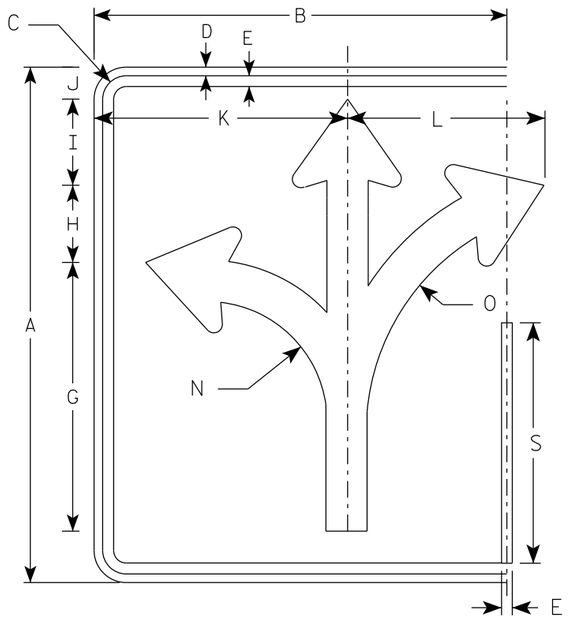
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 714 | E

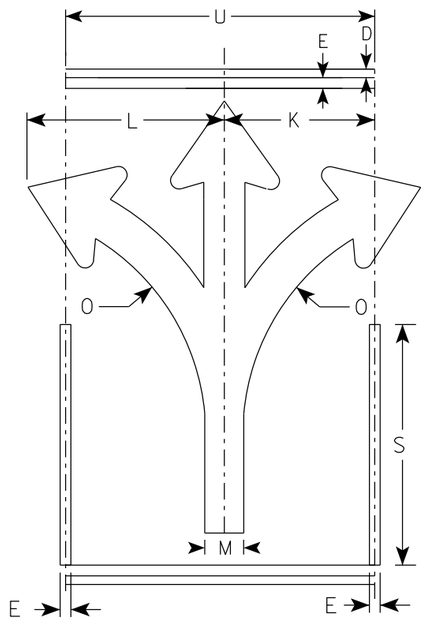
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 21-MAY 2019 4:38 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES

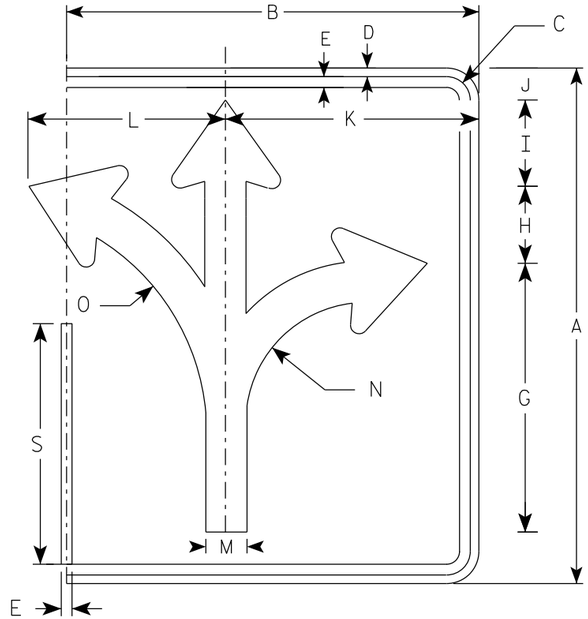
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



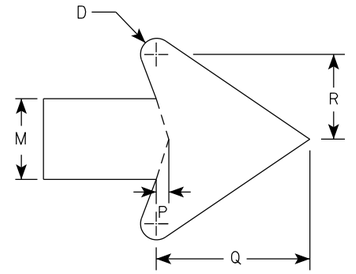
(D)



(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

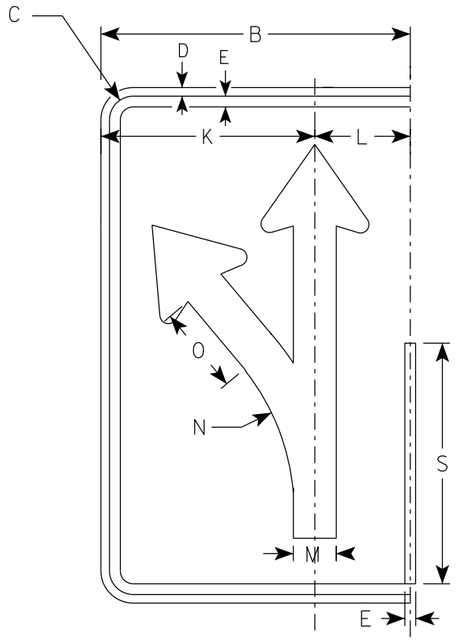
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

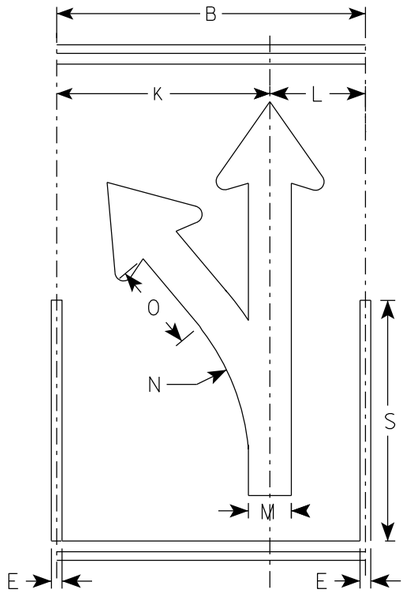
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 715 | E

NOTES

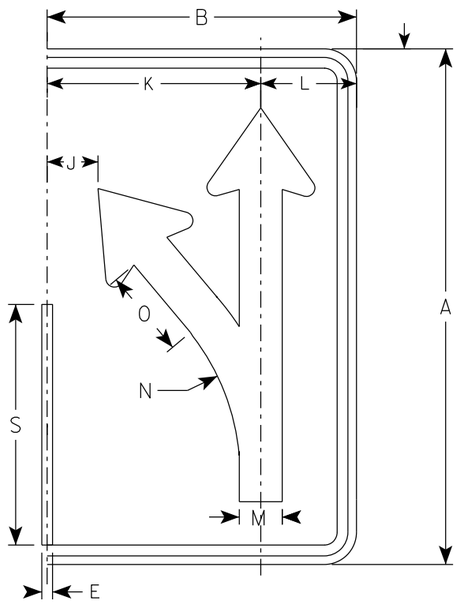
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



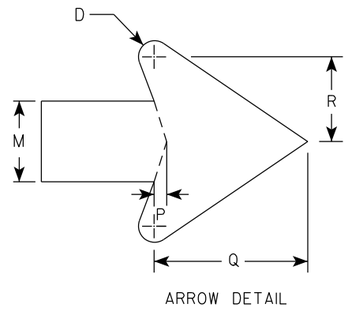
(E)



(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

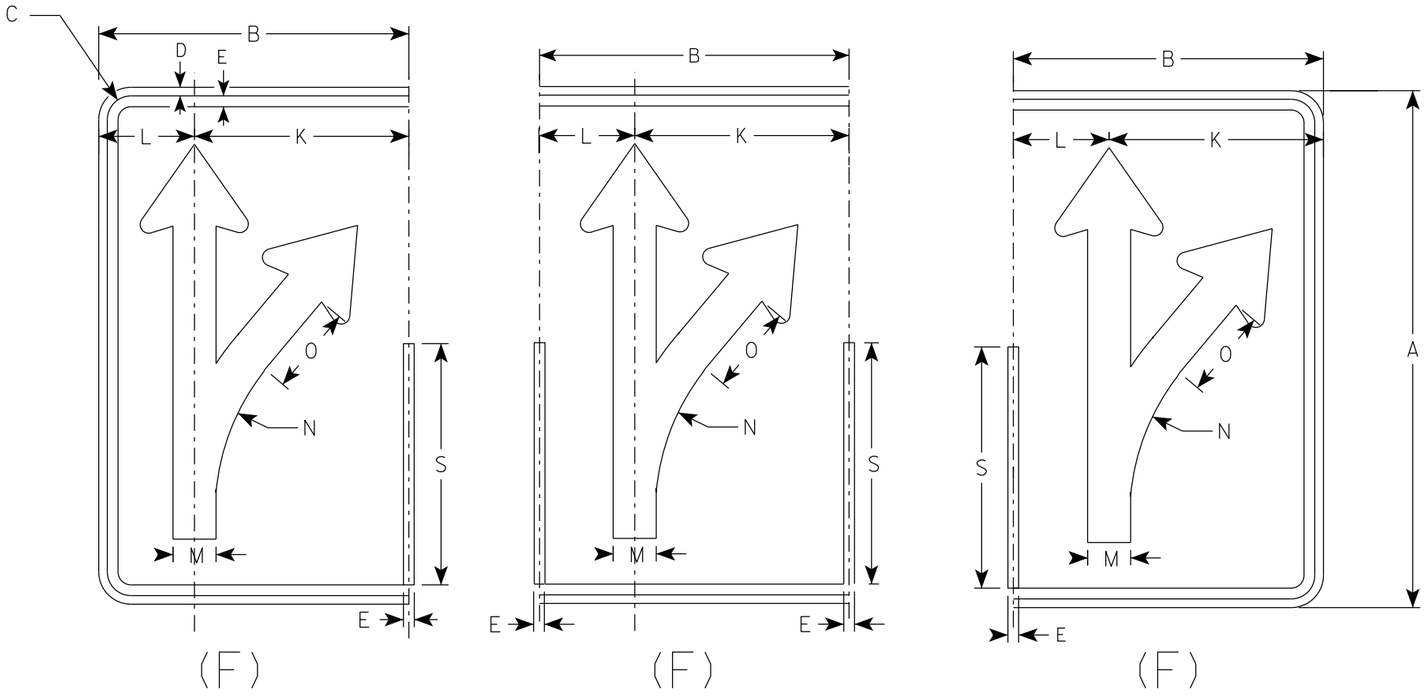
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

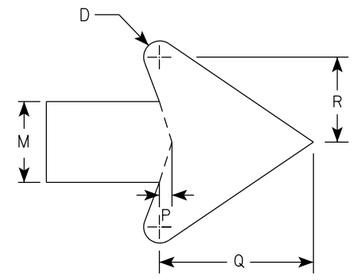
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 716 | E

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

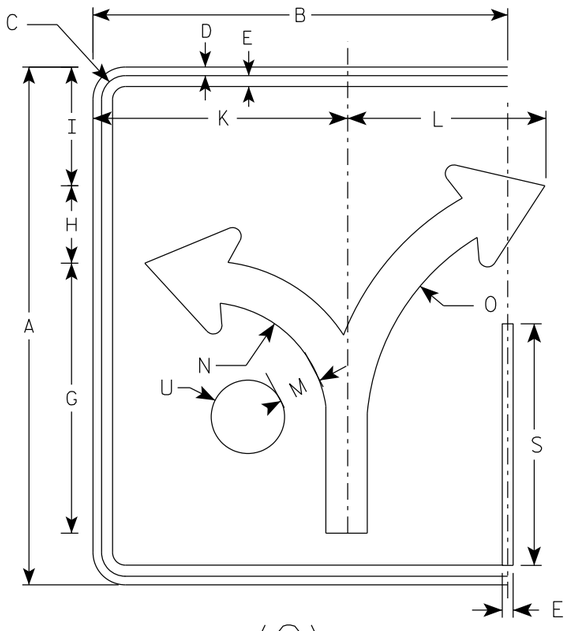
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

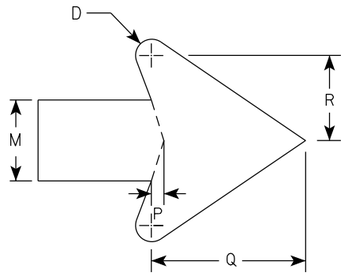
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 717 | E

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

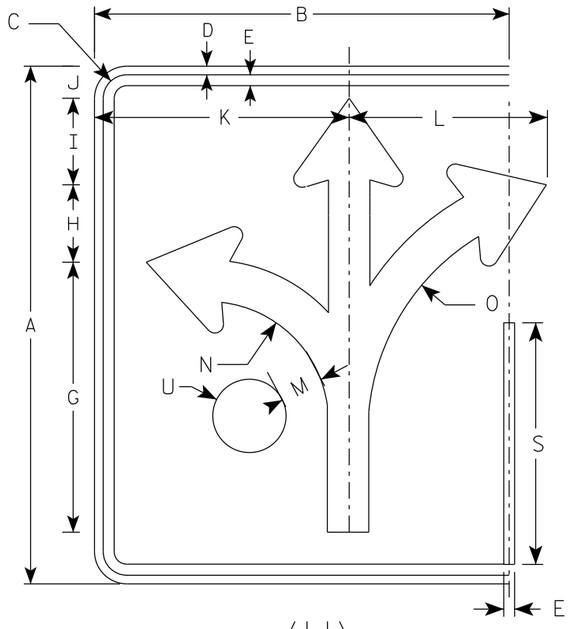
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

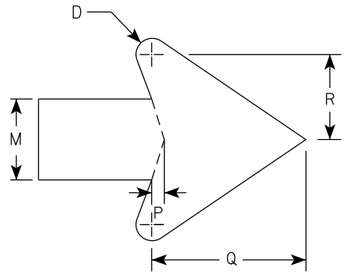
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 718 | E

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

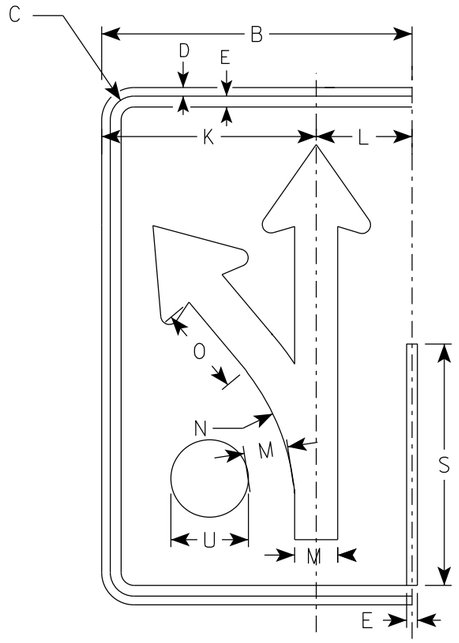
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

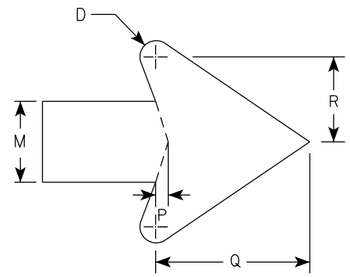
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 719	E

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

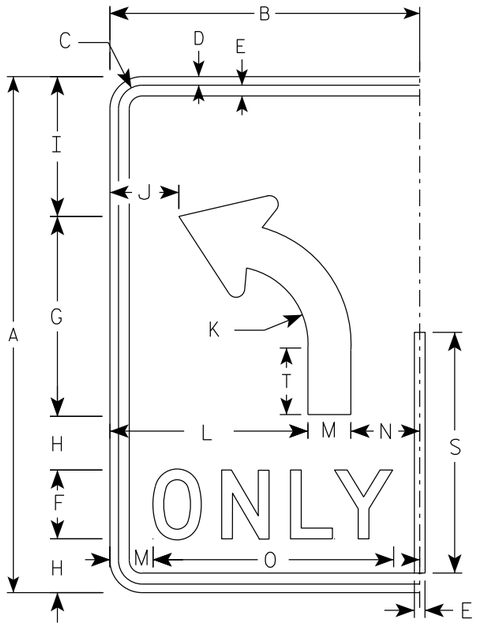
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

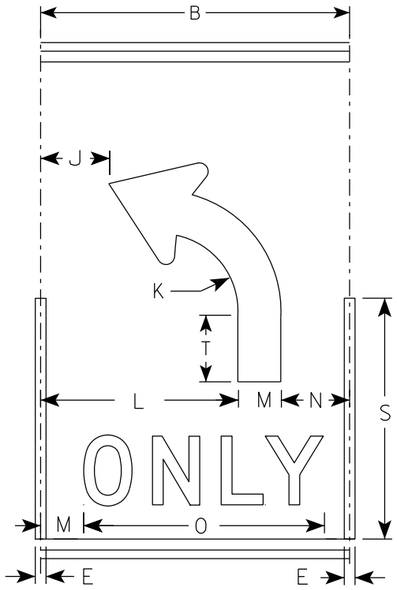
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 720 | E

NOTES

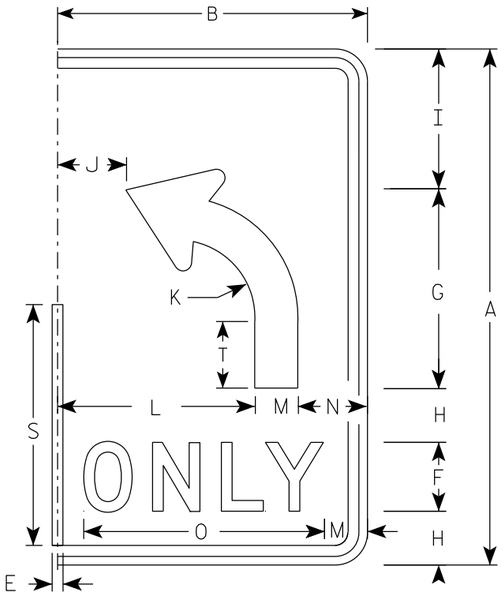
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



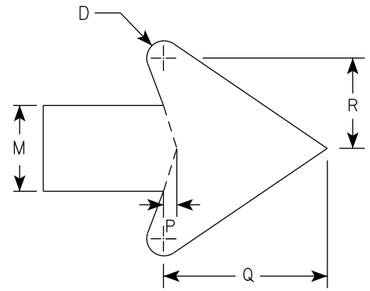
(L)



(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

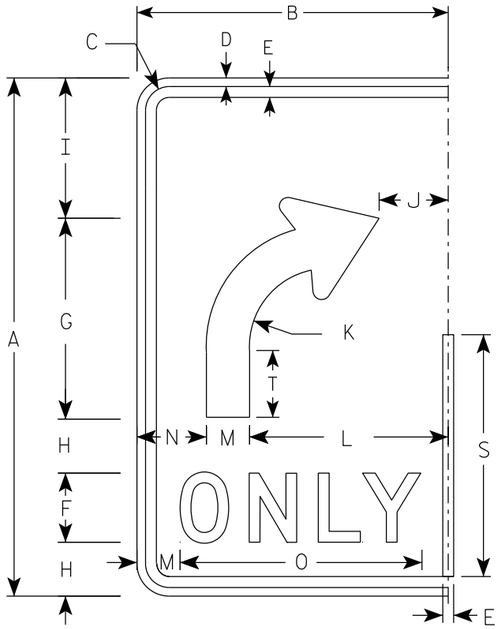
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

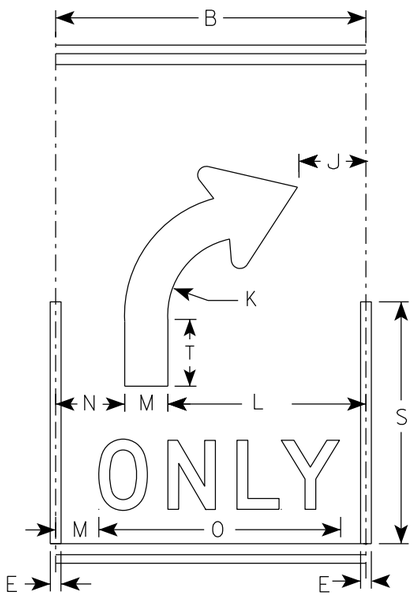
SHEET NO: 721 E

NOTES

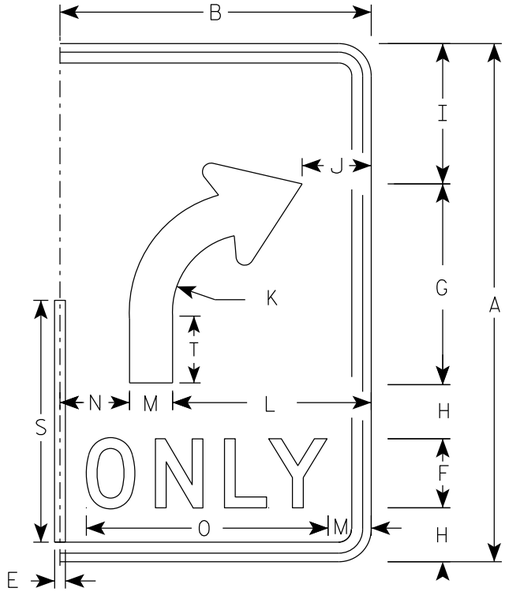
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



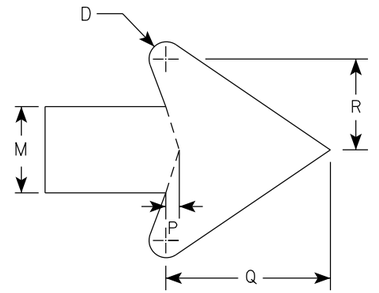
(R)



(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

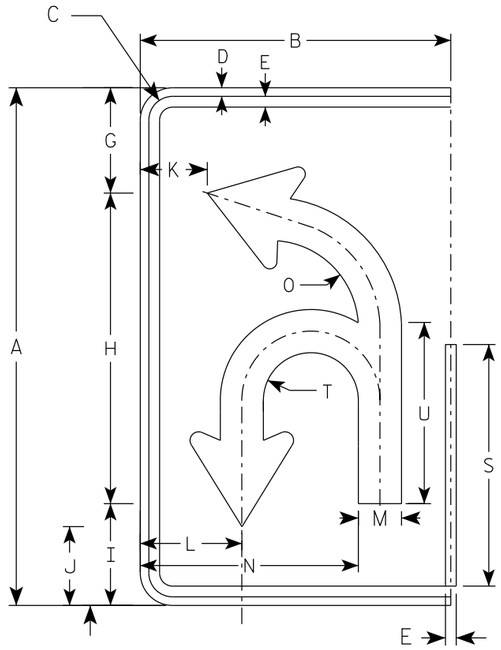
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

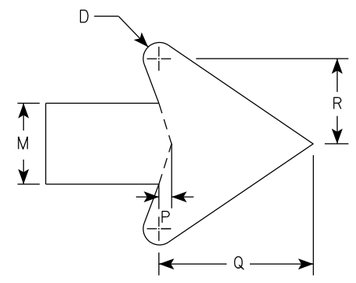
SHEET NO: 722 **E**

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

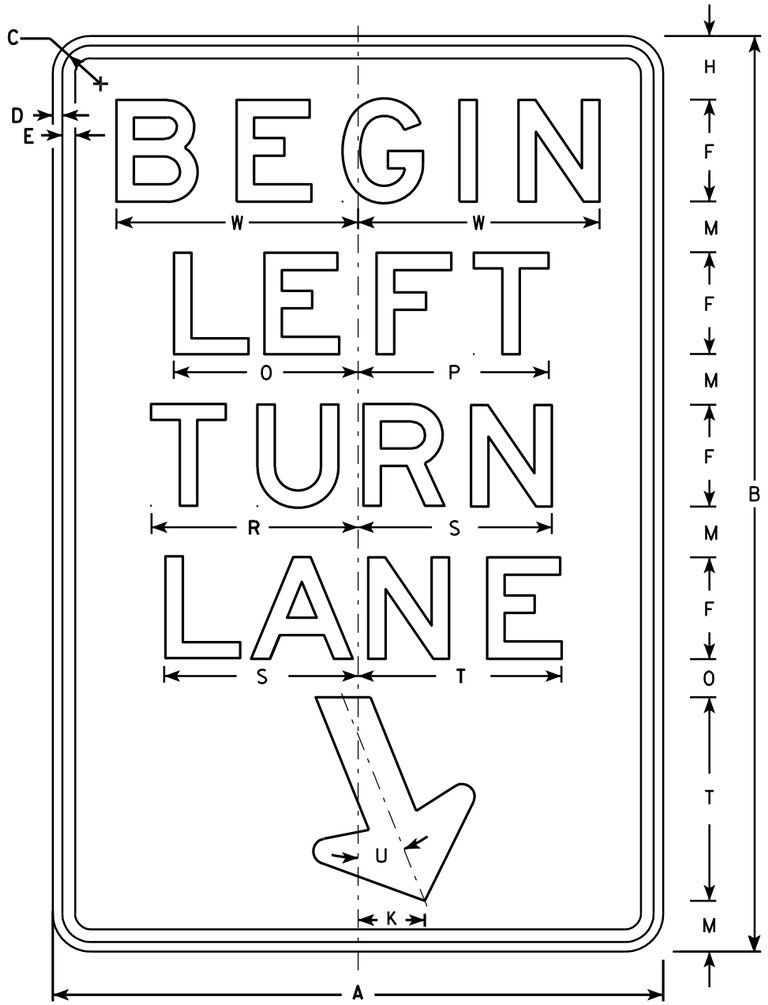
STANDARD SIGN
R3-8 (U) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

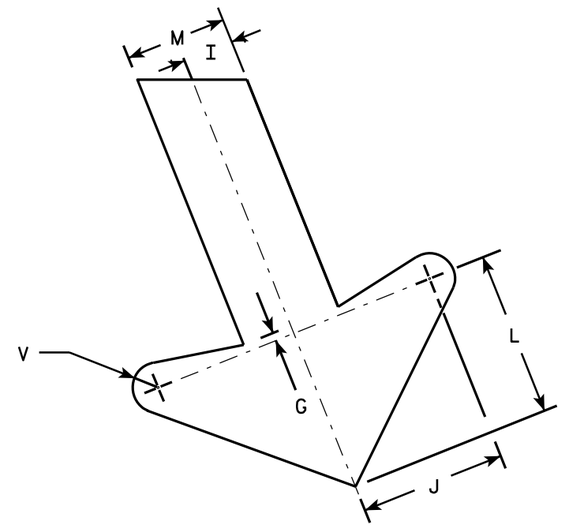
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 723 | E



R3-20L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

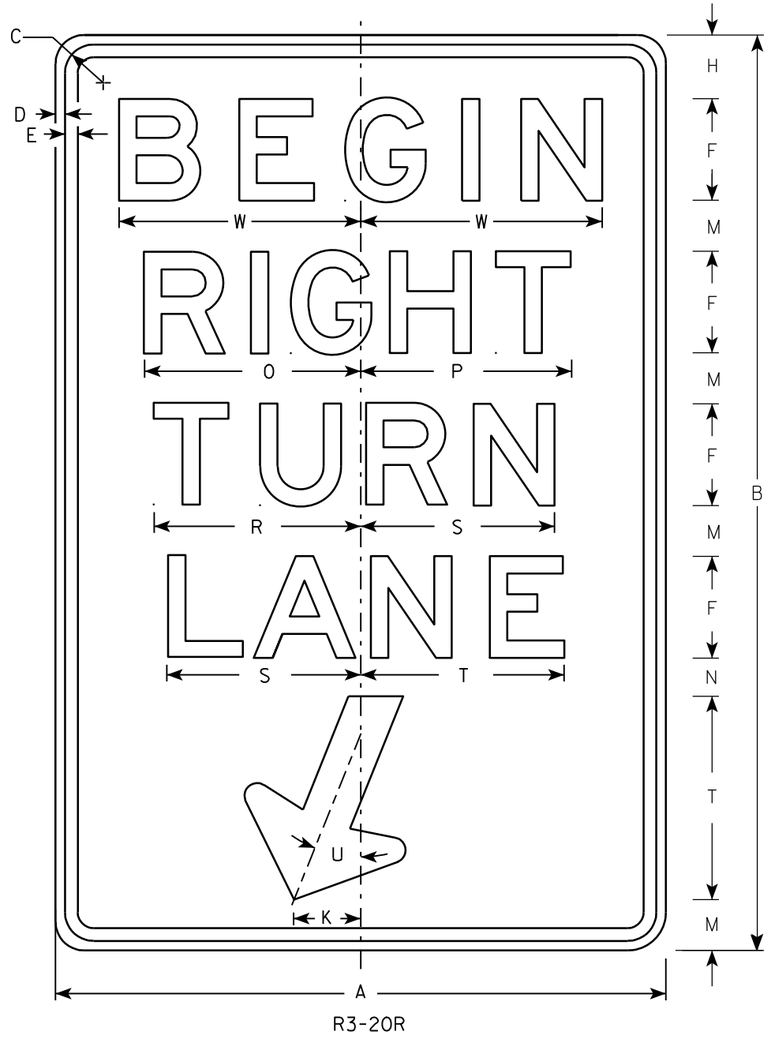
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

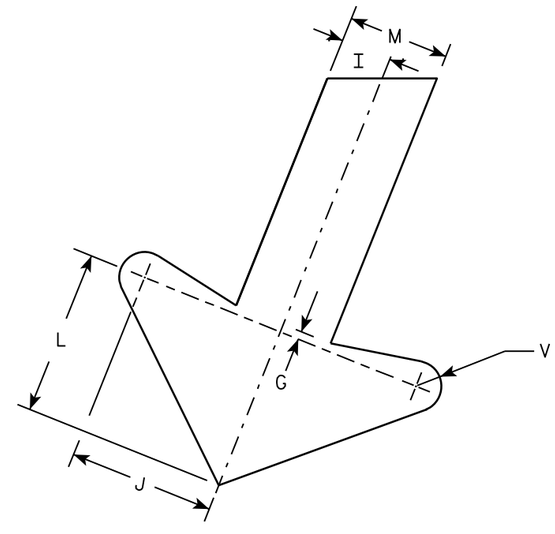
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 724 | E



R3-20R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

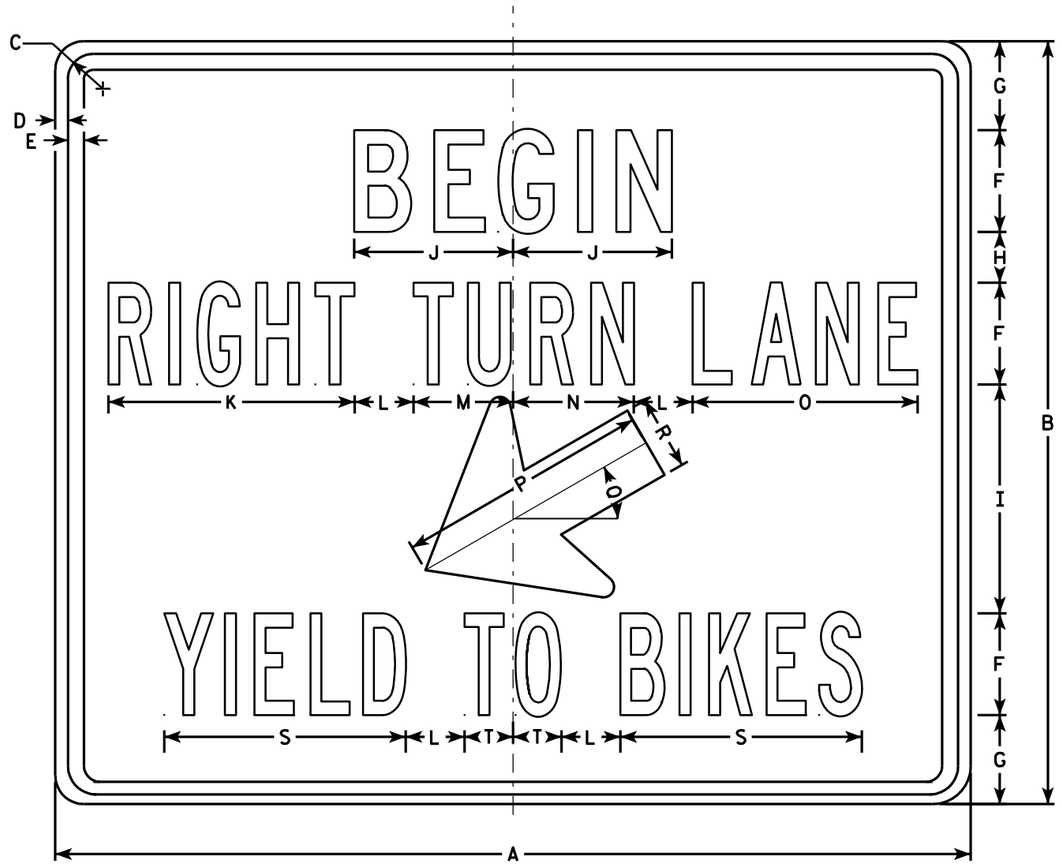
STANDARD SIGN
R3-20R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20R.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 725 | E



R4-4

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 - 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 C
   Lines 2 & 3 are Series B

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	36	30	1 3/8	1/2	5/8	4	3 1/2	2	9	6 1/4	9 3/4	2 3/8	3 7/8	4 3/4	8 7/8	10	30°	2 7/8	9 1/2	1 7/8							7.5
2M	36	30	1 3/8	1/2	5/8	4	3 1/2	2	9	6 1/4	9 3/4	2 3/8	3 7/8	4 3/4	8 7/8	10	30°	2 7/8	9 1/2	1 7/8							7.5
3																											
4																											
5																											

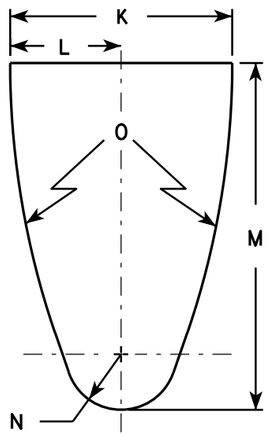
STANDARD SIGN
R4-4

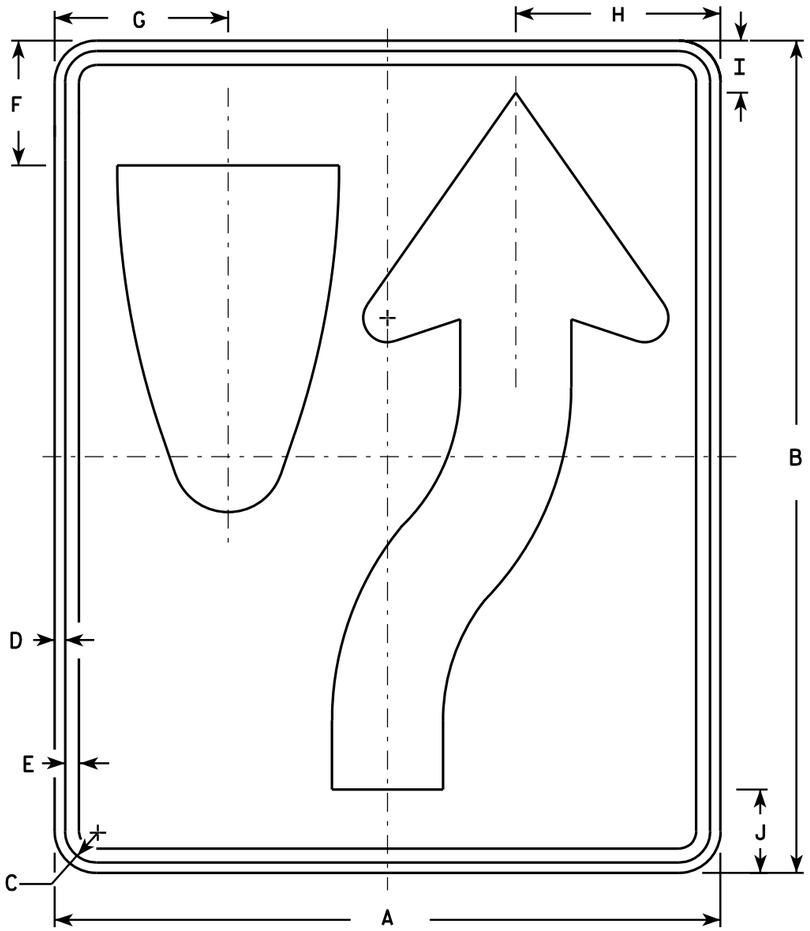
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew L Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-4.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 726 | E

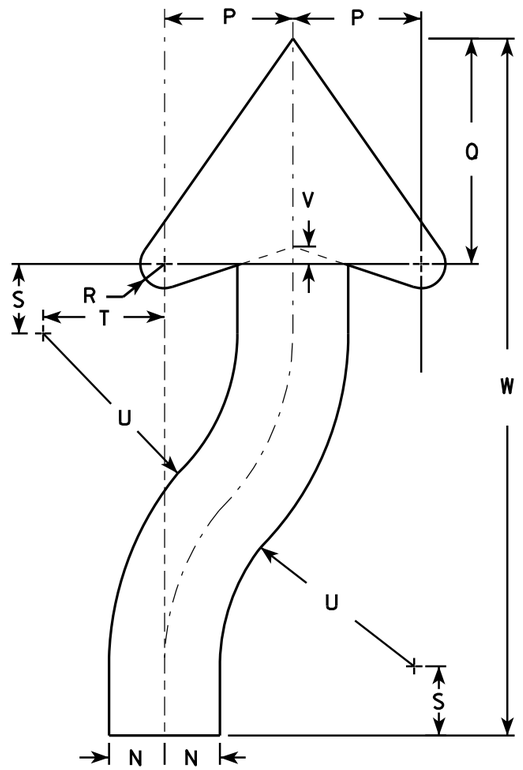




R4-7

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

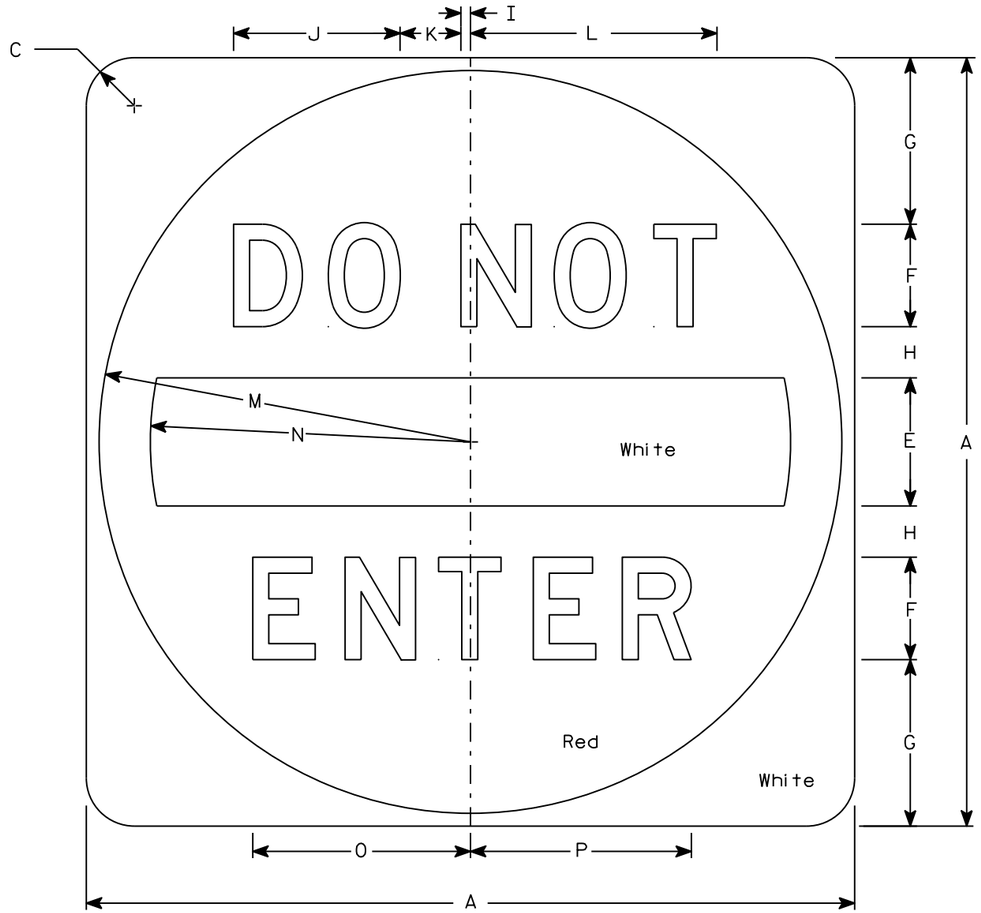
STANDARD SIGN
R4-7 & R4-8

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: 727	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

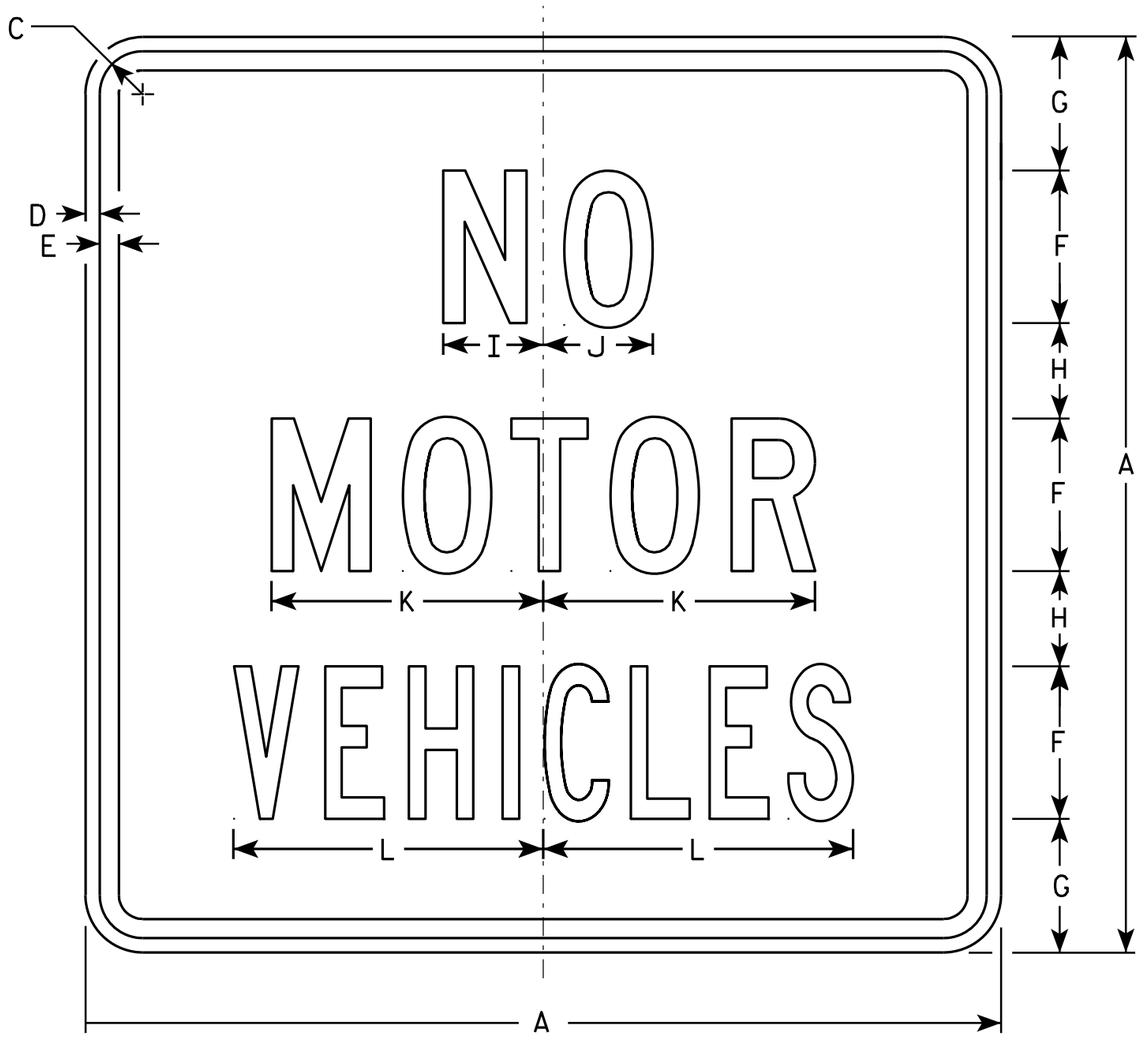
STANDARD SIGN
R5-1

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: 728 | E



R5-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - 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 & 2 are Series C.
   Line 3 is Series B.

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		1 1/8	3/8	1/2	4	3 1/2	2 1/2	2 5/8	2 7/8	7 1/8	8 1/8															4.0
2M	24		1 1/8	3/8	1/2	4	3 1/2	2 1/2	2 5/8	2 7/8	7 1/8	8 1/8															4.0
3																											
4																											
5																											

STANDARD SIGN
R5-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-3.2

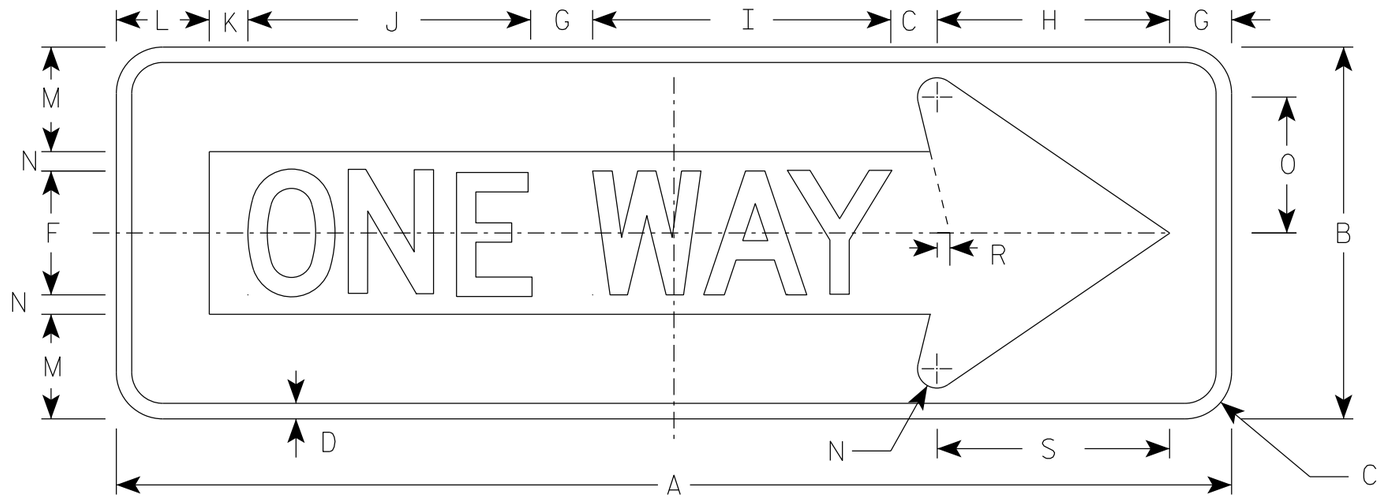
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 729 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R53.DGN PLOT DATE : 29-MAR-2011 13:25 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 3.972696:1.000000

WISDOT/CADDS SHEET 42

7

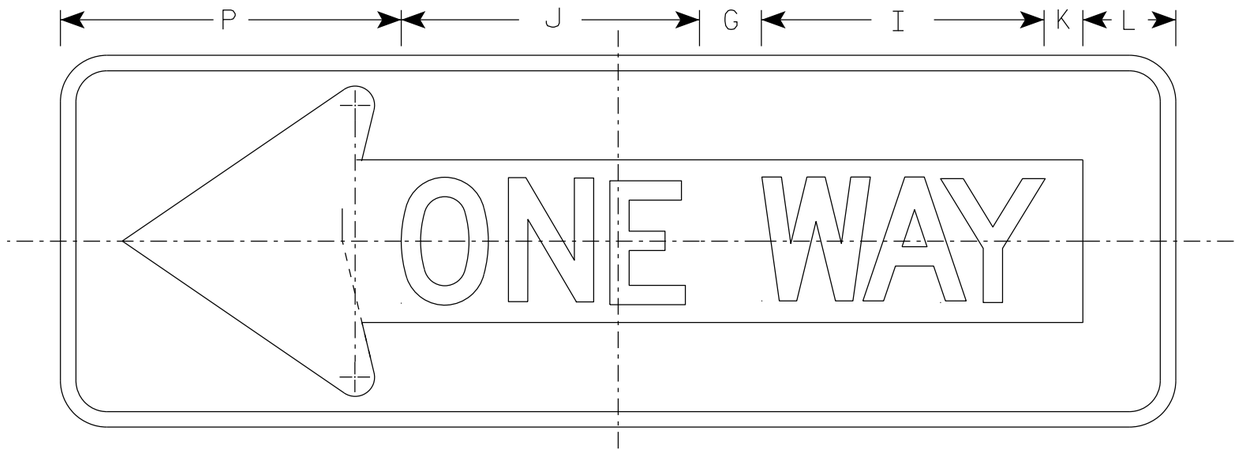
7



R6-1R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D



R6-1L

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	36	12	1 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
3	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
4	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN
R6-1 L & R

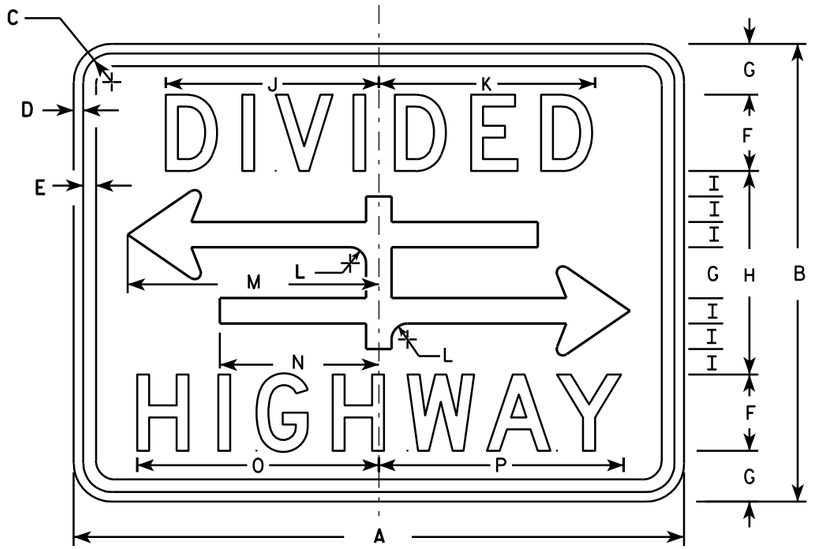
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 07/11/18 PLATE NO. R6-1.3

PROJECT NO:

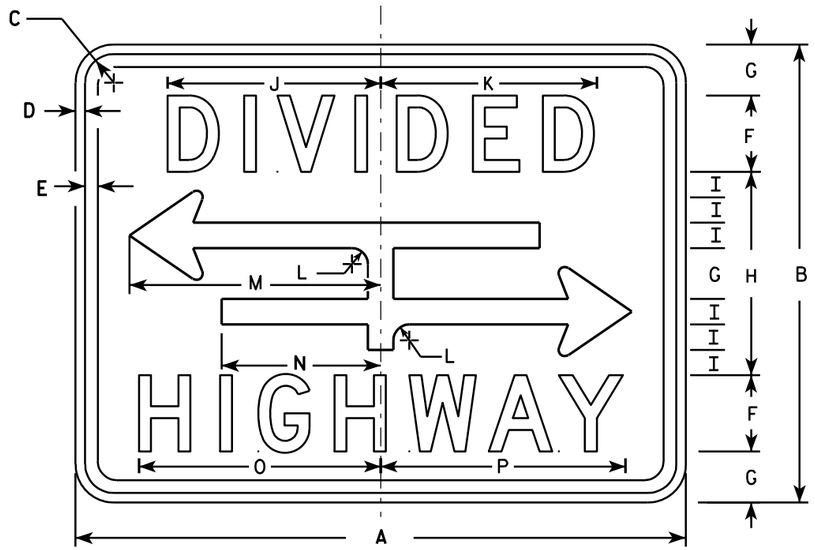
SHEET NO: 730 E



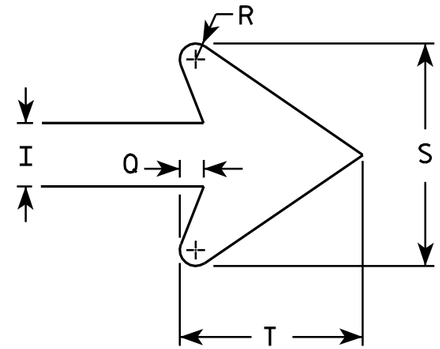
R6-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-3A



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	18	1 1/8	3/8	3/8	3	2	8	1	8 3/8	8 1/2	5/8	9 7/8	6 1/4	9 1/2	9 5/8	3/8	1/4	3 1/2	2 3/4							3.0
2S	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
2M	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
3																											
4																											
5																											

STANDARD SIGN
R6-3 & R6-3A

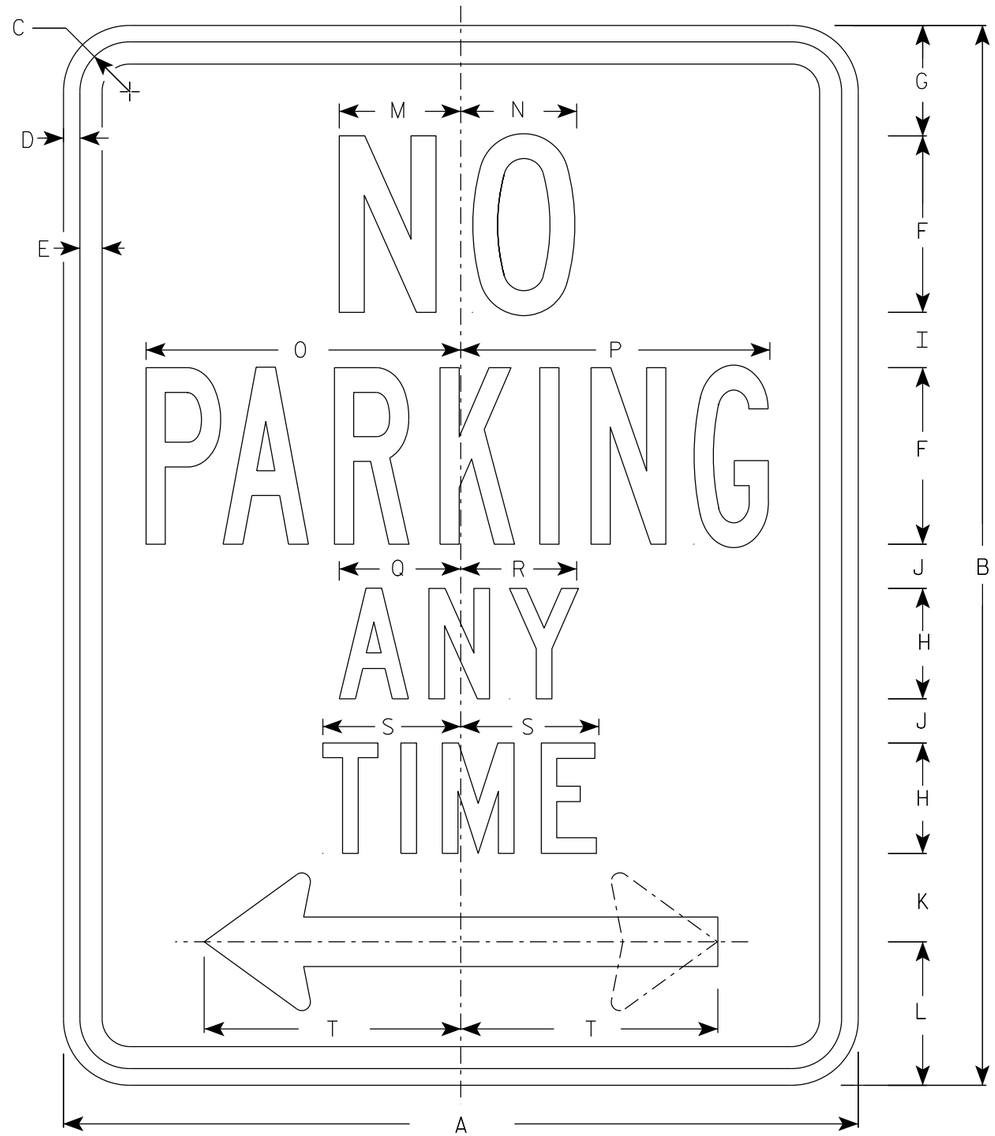
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

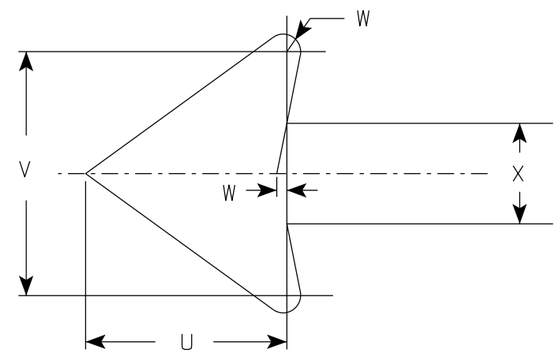
DATE 3/31/2011 PLATE NO. R6-3.5

PROJECT NO:

SHEET NO: 731 E



R7-1



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 5
4. Lines 1, 3 and 4 are series C, line 2 is series B.
5. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

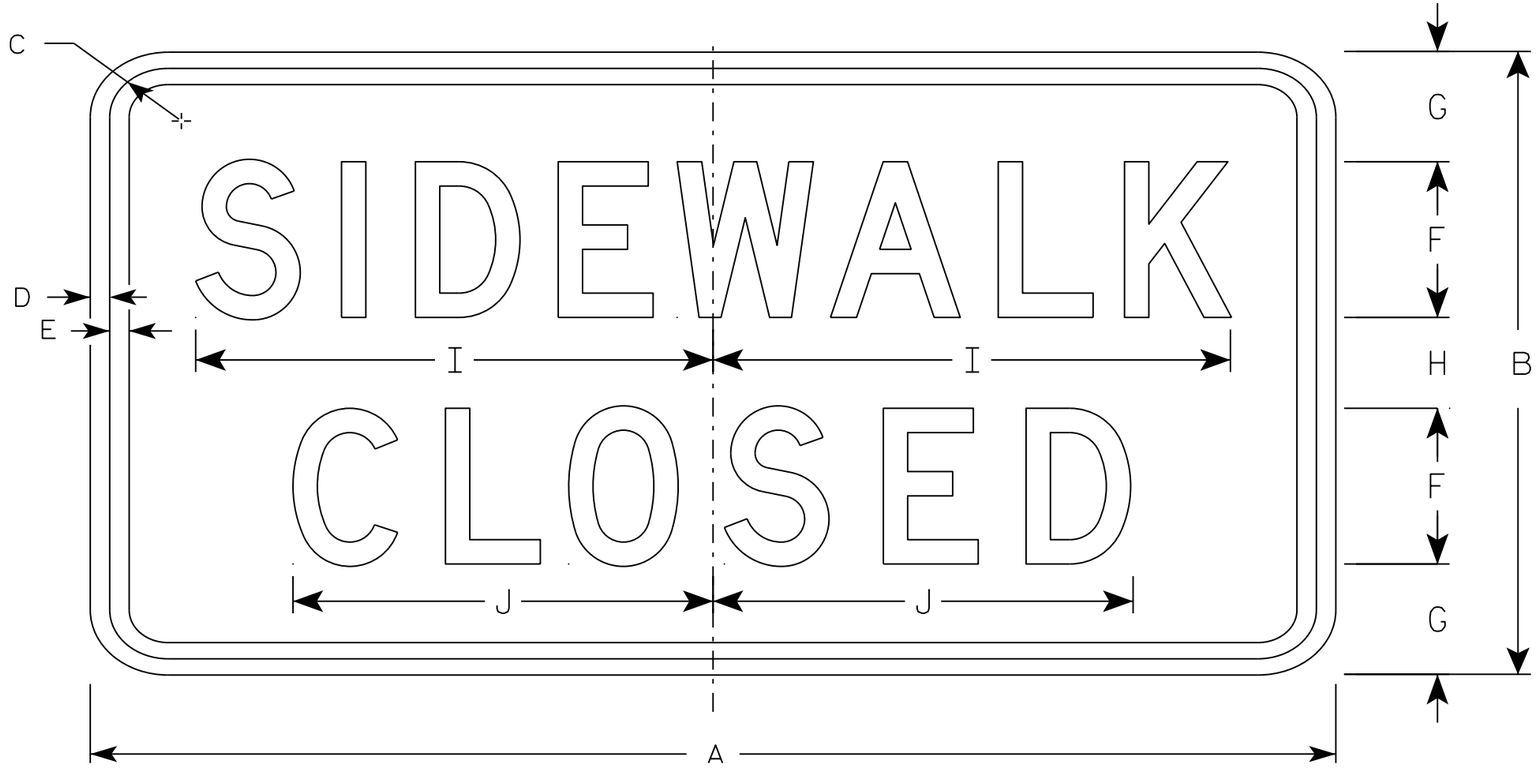
STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. R7-1.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 732 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

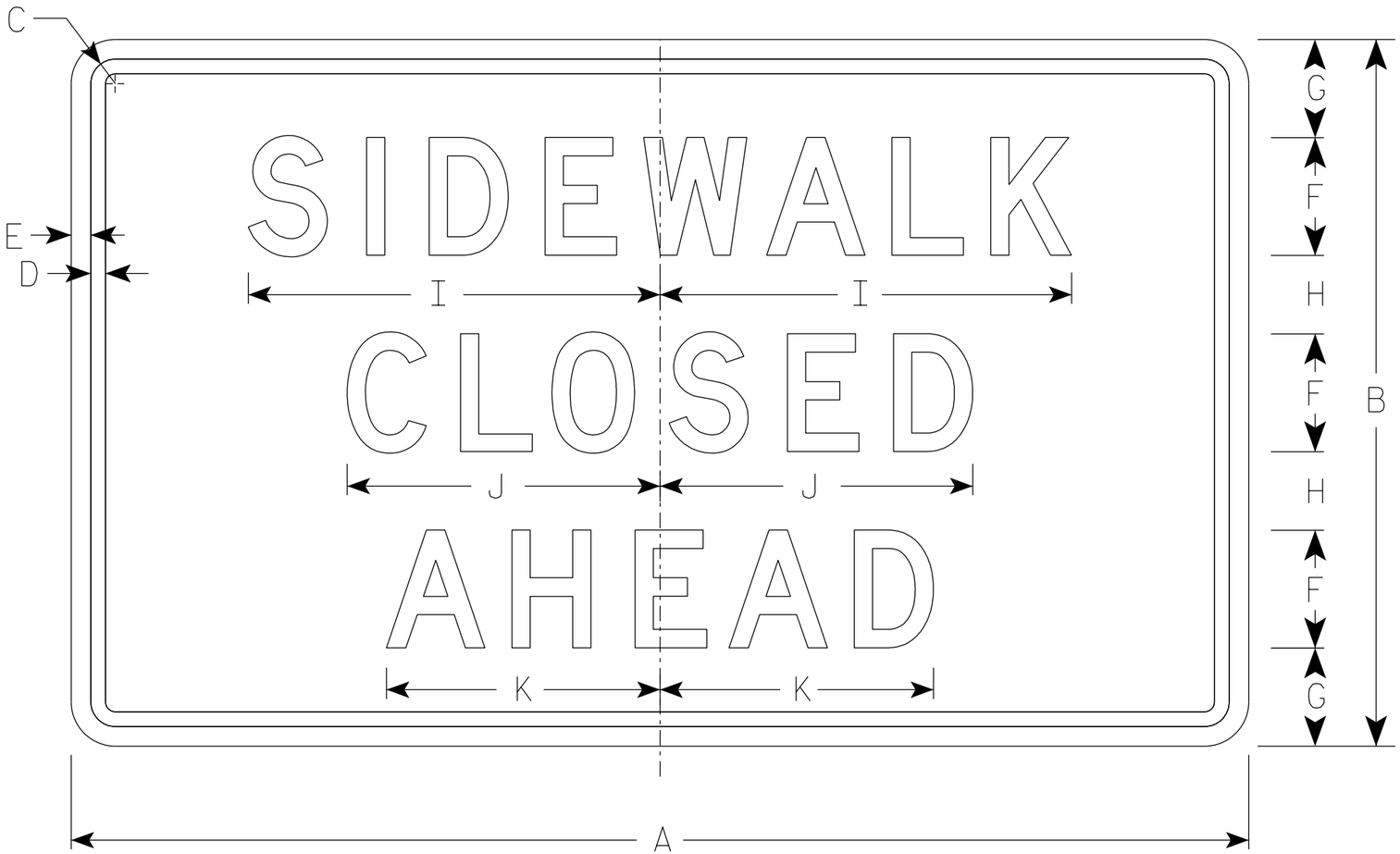
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/11/16 PLATE 733 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																											

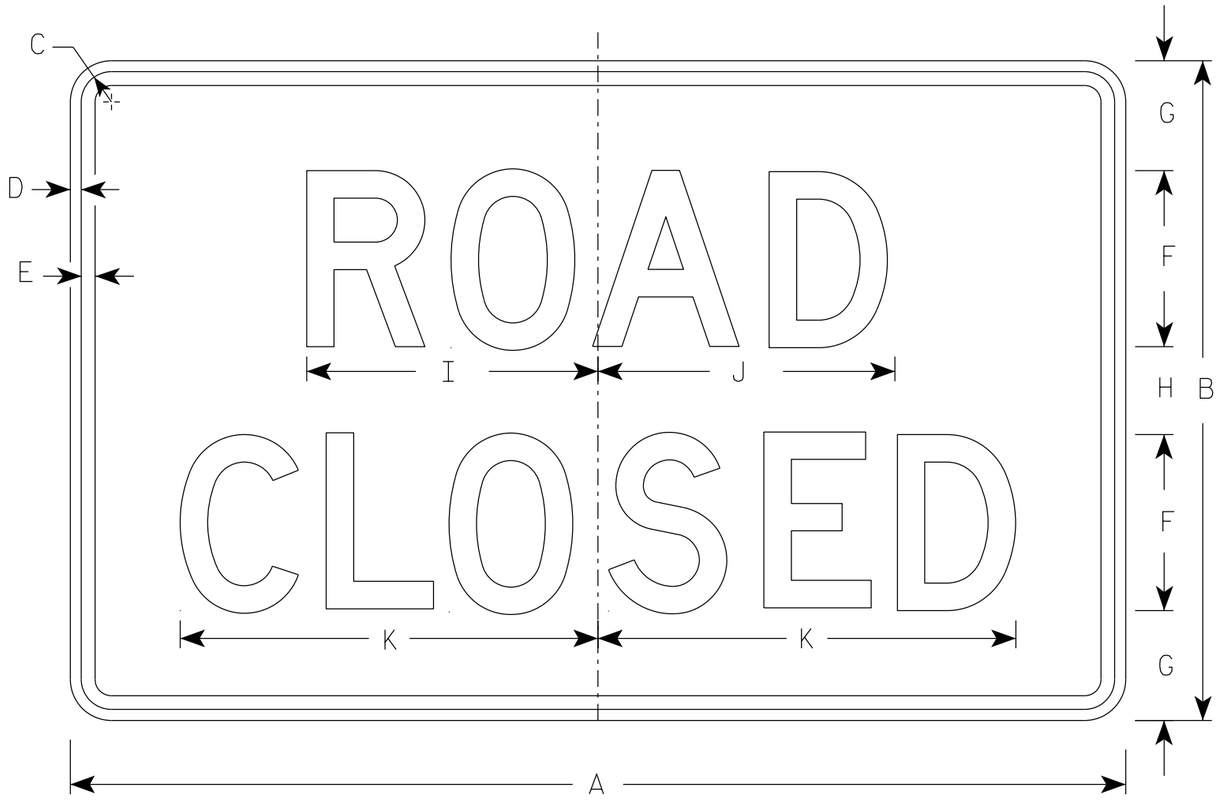
STANDARD SIGN
R9-9A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/31/2020 PLATE NO. R9-9A.1

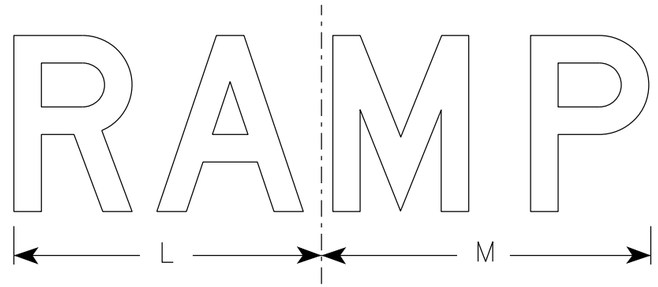
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 734 | E



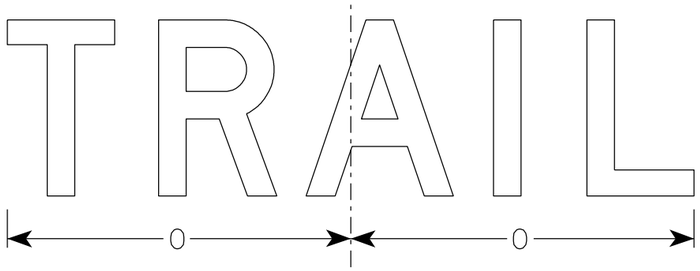
R11-2

NOTES

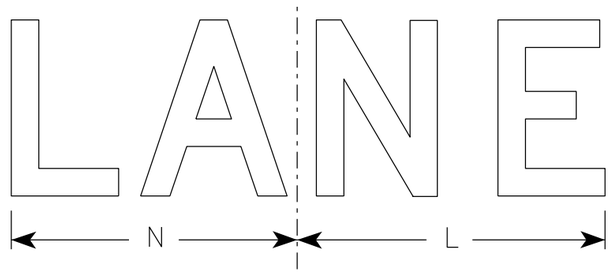
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the 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

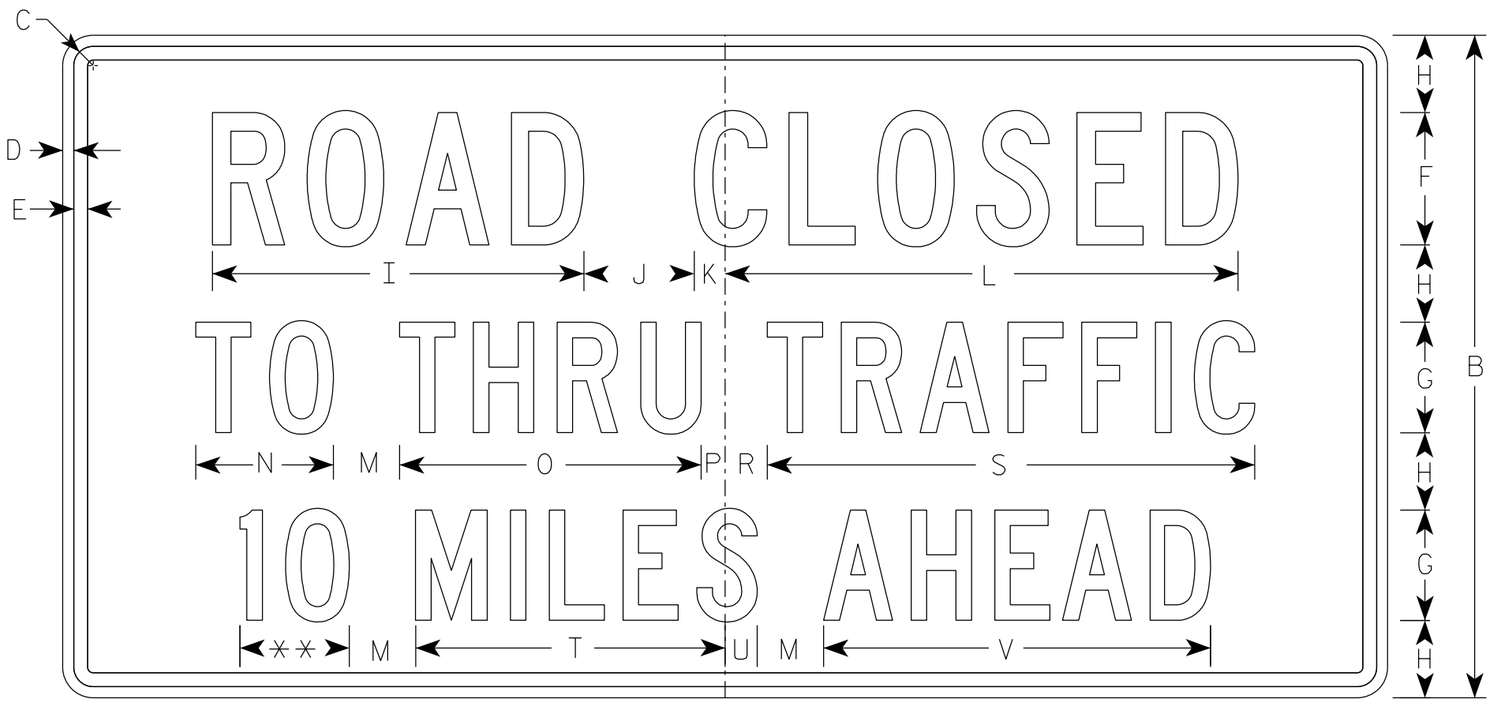
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 735	E

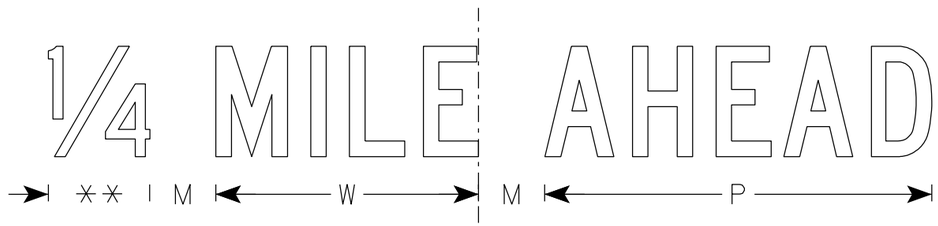
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



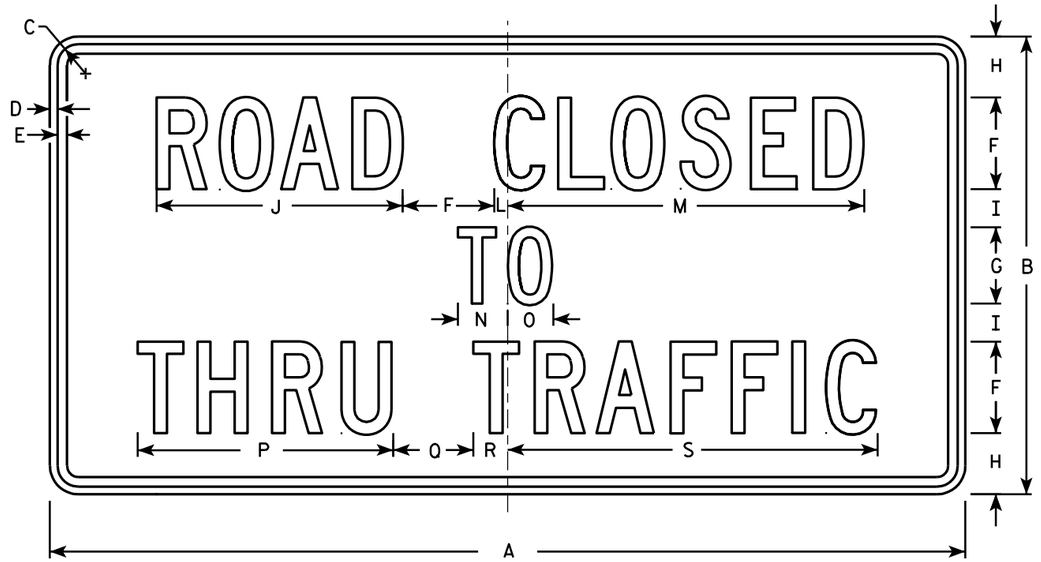
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/4	3/8	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
2S	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
2M	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
3																											
4																											
5																											

STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 6/14/2021 PLATE NO. R11-3.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 736	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																											

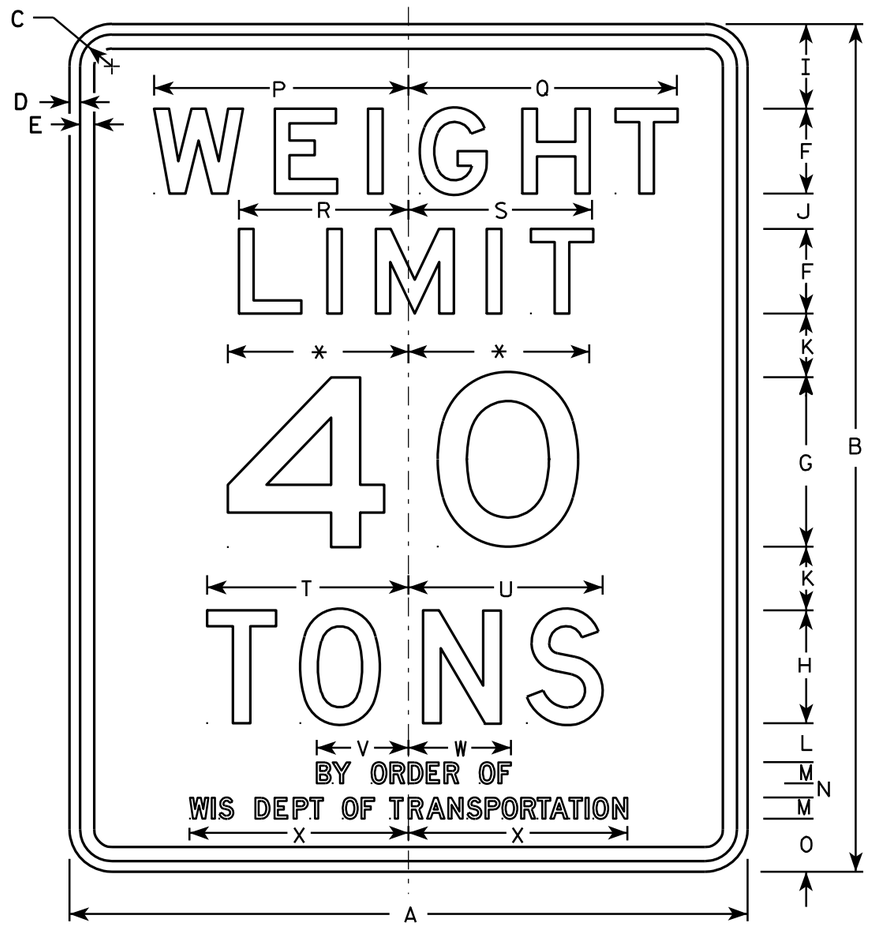
STANDARD SIGN
R11 - 4

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: 737 | E



R12-1

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 - 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, 2 & 3 are series E
   Lines 4, 5, & 6 are series D.
6. Substitute appropriate numeral and optically adjust spacing to achieve proper balance.
7. Substitute name of county or town on County Trunk and Town Highways respectively. Community name on City or Village Streets including Connecting Highways is optional.

* Varies (see note 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	24	30	1 1/8	3/8	1/2	3	6	4	3	1 1/4	2 1/4	1 3/8	3/4	1/2	1 7/8	9	9 1/2	6	6 1/2	7 1/8	6 7/8	3 1/4	3 5/8	7 3/4			5.0
2S	24	30	1 1/8	3/8	1/2	3	6	4	3	1 1/4	2 1/4	1 3/8	3/4	1/2	1 7/8	9	9 1/2	6	6 1/2	7 1/8	6 7/8	3 1/4	3 5/8	7 3/4			5.0
2M	24	30	1 1/8	3/8	1/2	3	6	4	3	1 1/4	2 1/4	1 3/8	3/4	1/2	1 7/8	9	9 1/2	6	6 1/2	7 1/8	6 7/8	3 1/4	3 5/8	7 3/4			5.0
3	36	48	1 3/8	1/2	5/8	6	10	8	4 1/2	2 1/2	2 1/4	1 1/2	3/4	1/2	3	13 1/2	14 1/4	9	9 3/4	10 5/8	10 1/4	3 1/4	3 5/8	7 3/4			12.0
4	48	60	2 1/4	3/4	1	6	12	8	6	2 1/2	4 1/2	2 3/4	1 1/2	1	3 3/4	18	19	12	13	14 1/4	13 3/4	6 1/2	7 1/4	15 1/2			20.0
5																											

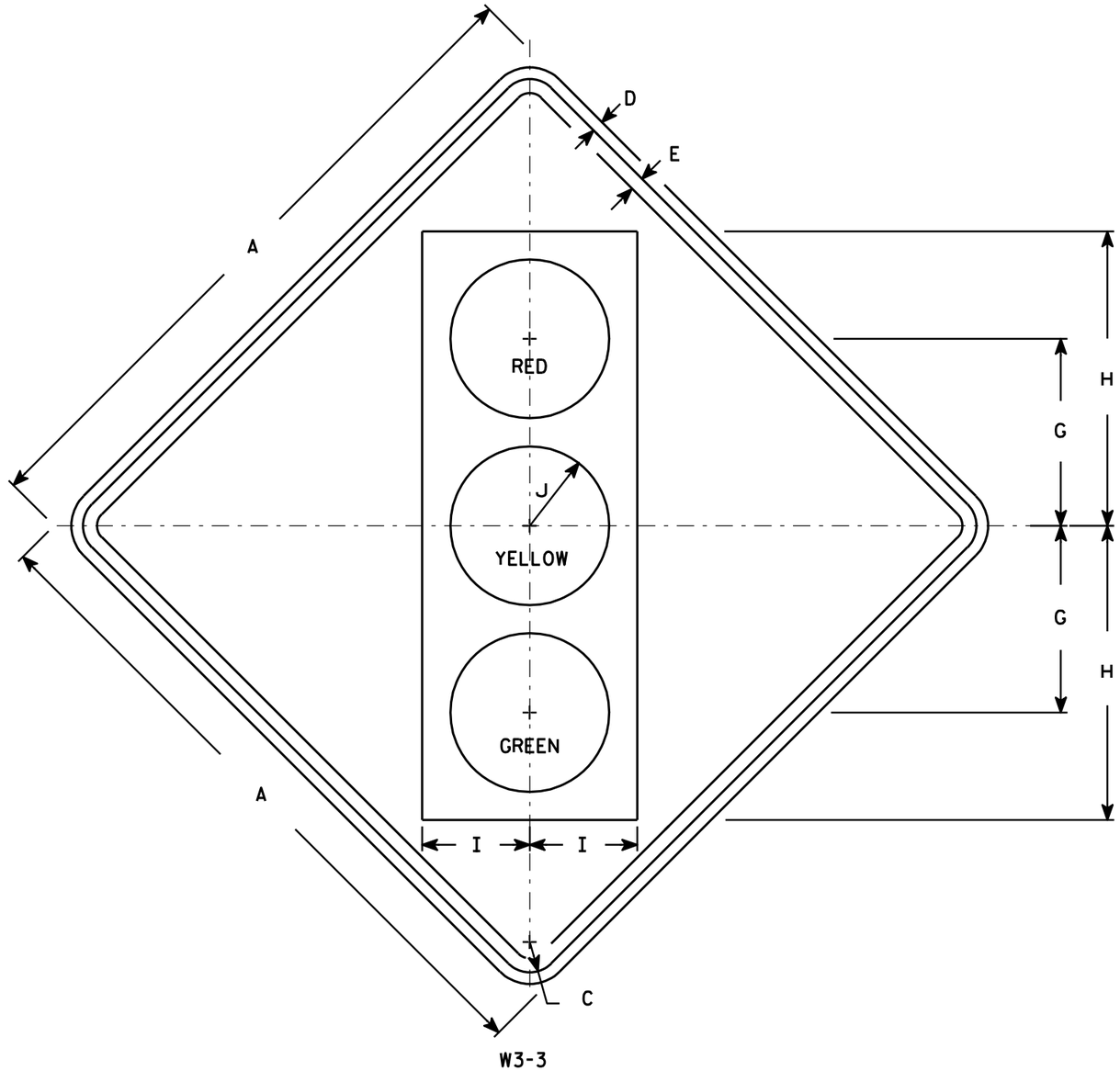
STANDARD SIGN
R12-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R12-1.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 738 | E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0

STANDARD SIGN
W3-3

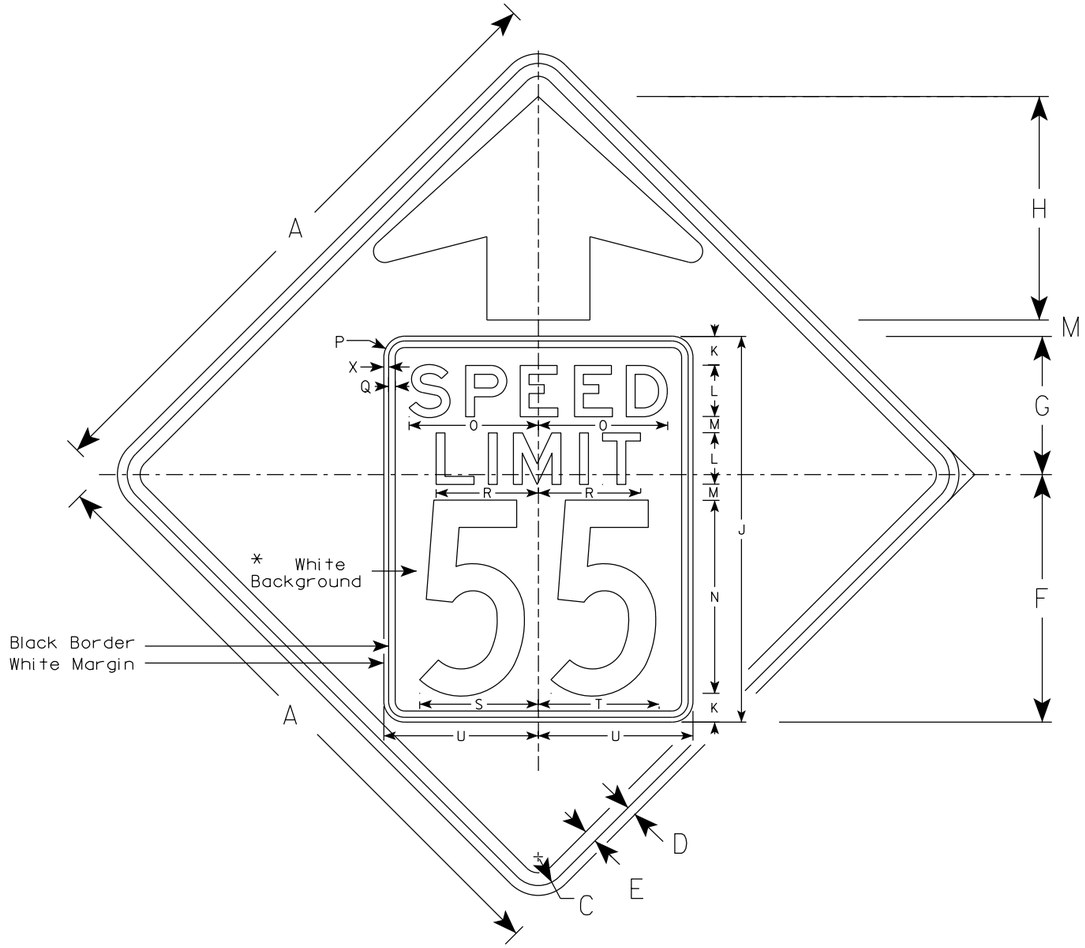
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 739 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W33.DGN PLOT DATE : 07-JUN-2010 13:07 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 7.448805:1.000000
WISDOT/CADDS SHEET 42



W3-5

NOTES

1. Sign is Type II - See Note 2 for Sheeting Type
2. Color: *
   Background - Yellow* (Type F Reflective)
   Message - Black
3. Message Series - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background with black message (Type SH Reflective)

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	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2M	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
3	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W3-5

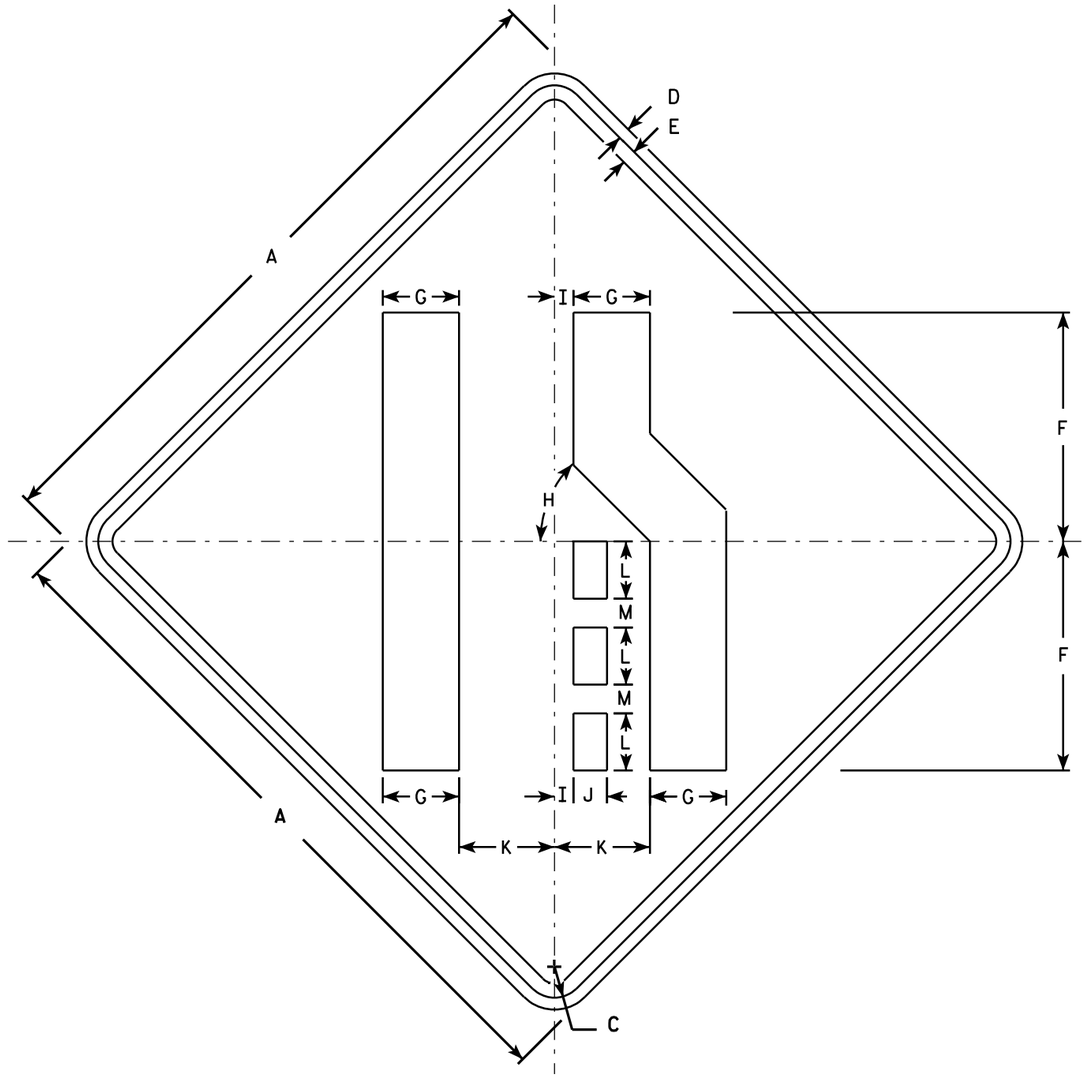
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew L Rauch
for State Traffic Engineer

DATE 7/27/2020 PLATE NO. W3-5.6

PROJECT NO:

SHEET NO: 740 E



W4-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - 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. W4-2L is the same as W4-2R 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	30		1 3/8	1/2	5/8	10	3 3/8	45°	7/8	1 1/2	4 1/4	2 1/2	1 1/4														6.25
2S	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2M	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
3	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
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
W4-2

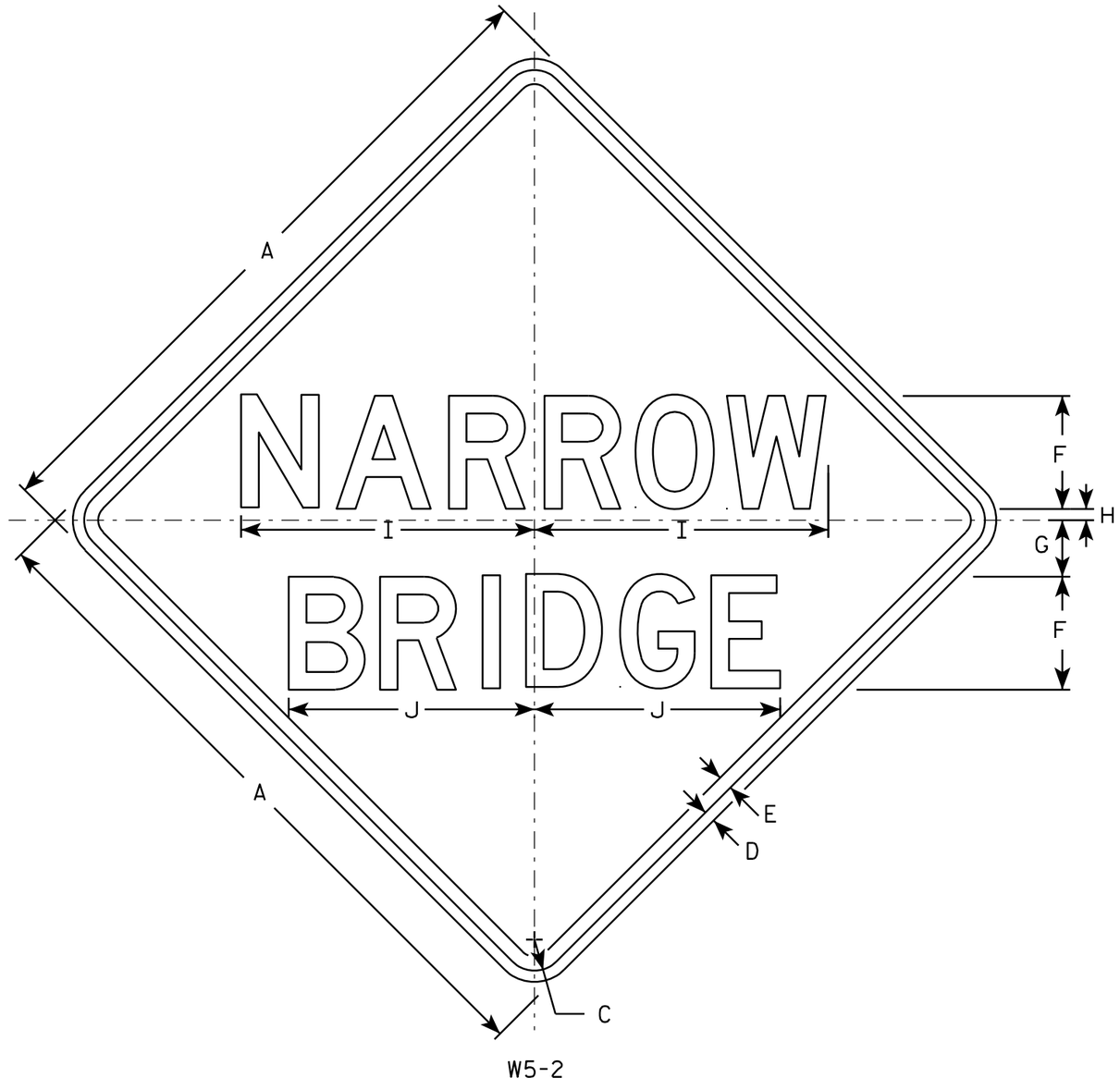
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/12/13 PLATE NO. W4-2.14

PROJECT NO:

SHEET NO: 741 E



W5-2

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	30		1 3/8	1/2	5/8	5	2 1/2	1/2	13	10 7/8																	6.25
2S	36		1 5/8	5/8	3/4	6	3	3/4	15 5/8	13 1/8																	9.0
2M	36		1 5/8	5/8	3/4	6	3	3/4	15 5/8	13 1/8																	9.0
3	36		1 5/8	5/8	3/4	6	3	3/4	15 5/8	13 1/8																	9.0
4	48		2 1/4	3/4	1	8	4	3/4	20 3/4	17 3/8																	16.0
5																											

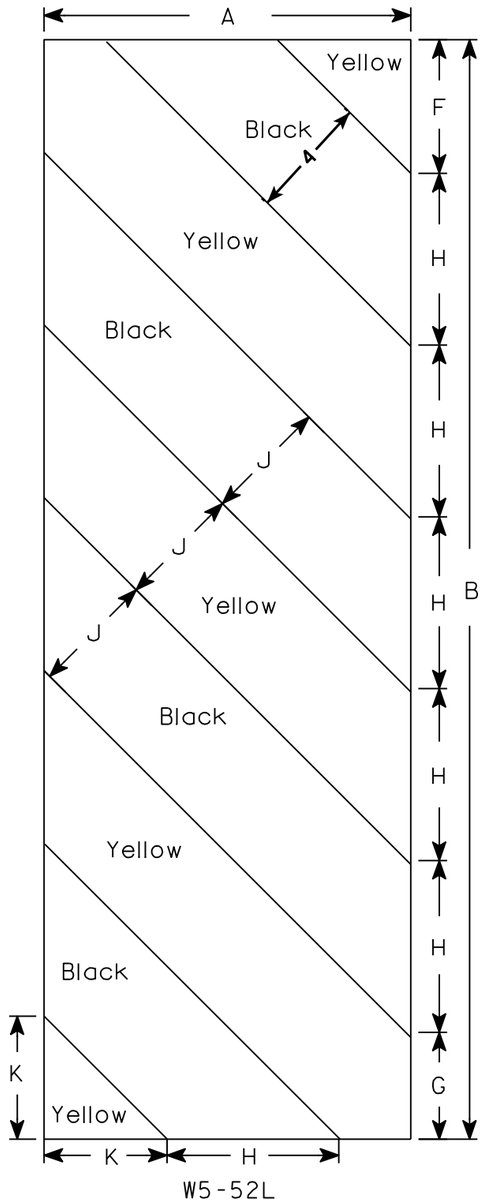
STANDARD SIGN
W5-2

WISCONSIN DEPT OF TRANSPORTATION

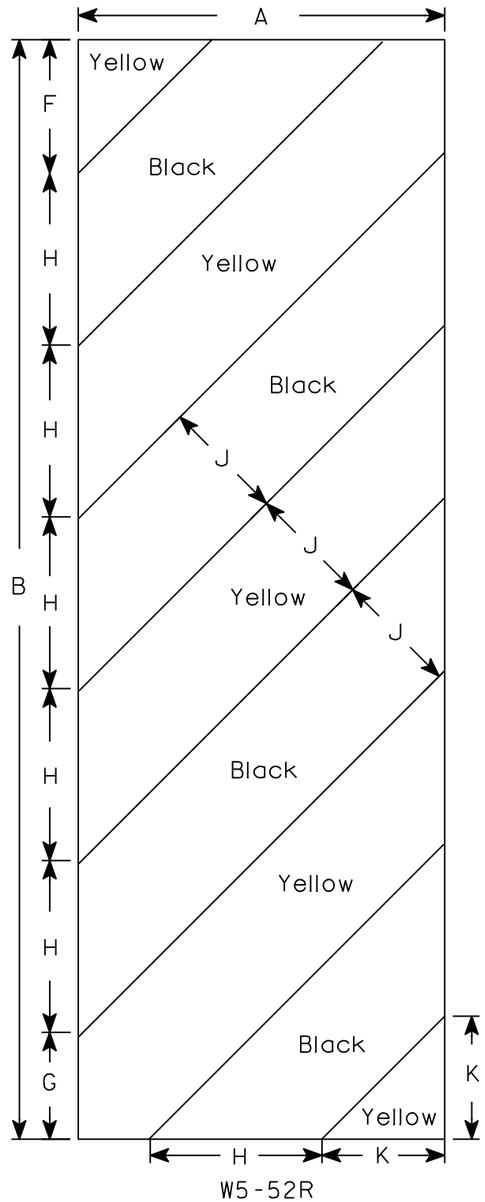
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W5-2.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 742	E



W5-52L



W5-52R

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. Alternate colors of stripes as shown.

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	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

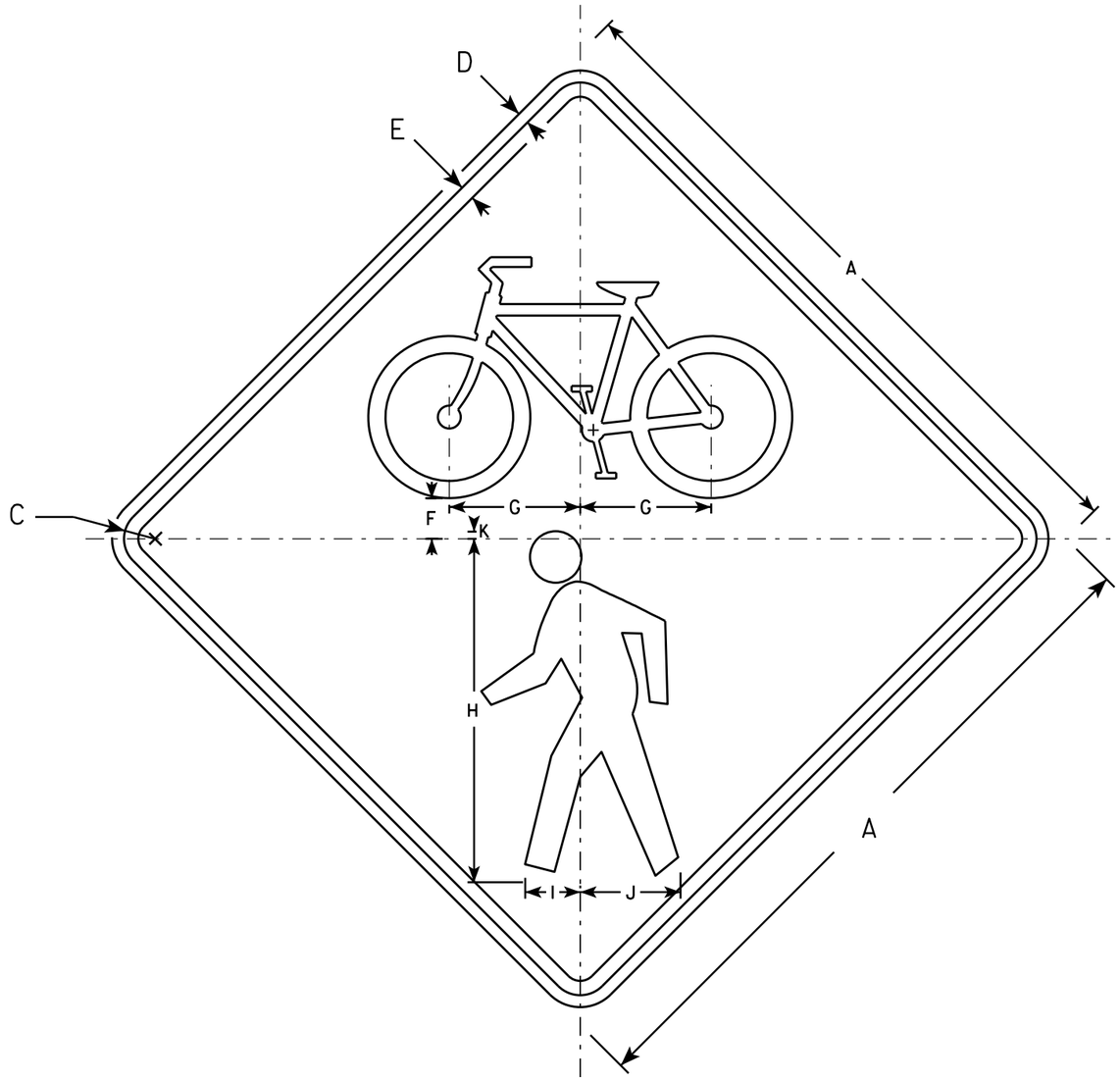
W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W5-52.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 743	E



W11-15

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	1 3/8	4 5/8	12	1 7/8	3 1/2	1/4																4.0
2S	30		1 3/8	1/2	5/8	1 3/4	5 3/4	15	2 3/8	4 3/8	3/8																6.25
2M	36		1 5/8	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																9.0
3	36		1 5/8	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																16.0
4	48		2 1/4	3/4	1	2 7/8	9 1/8	24	3 7/8	7	1/2																16.0
5																											

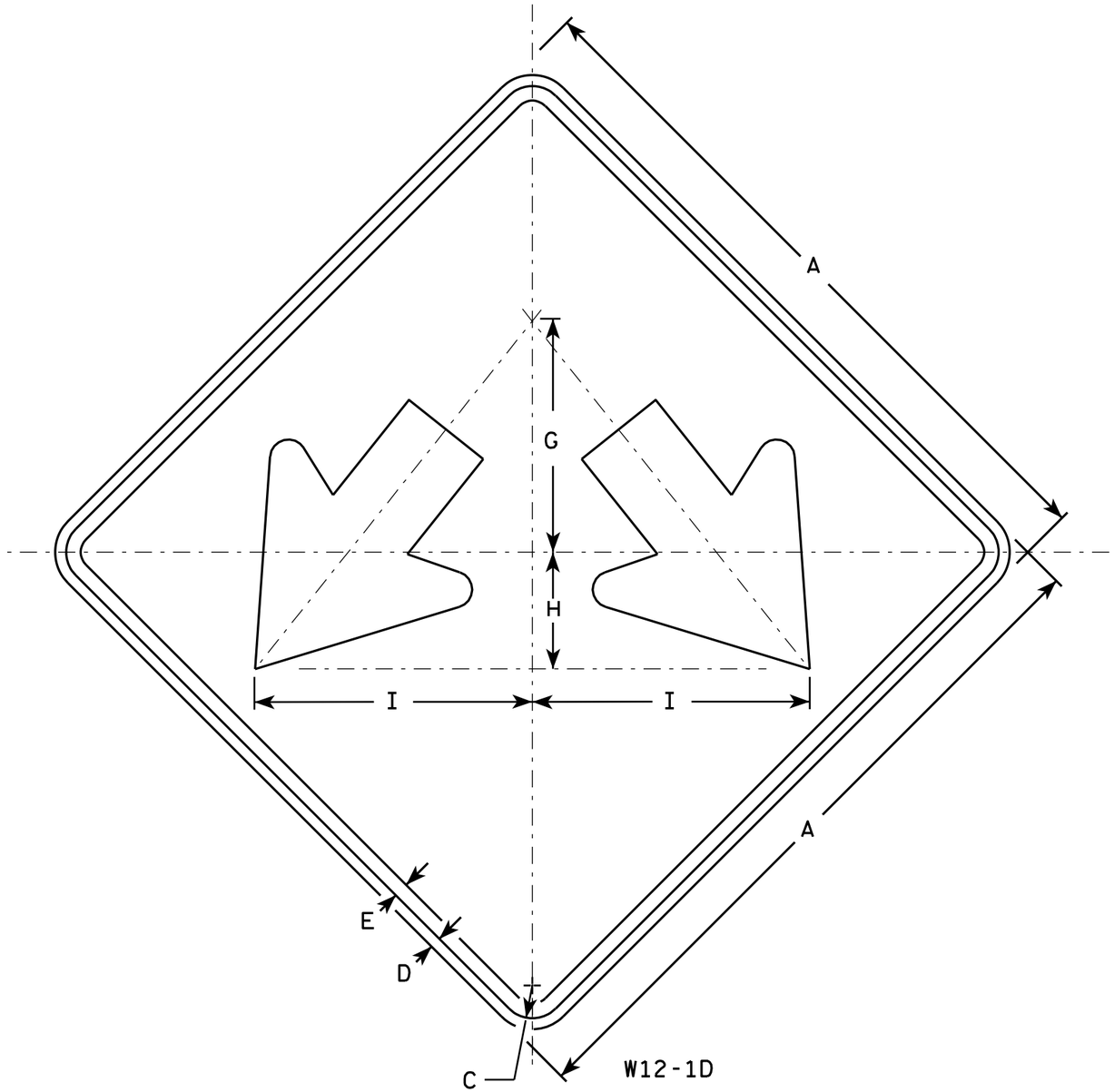
STANDARD SIGN
W11-15

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

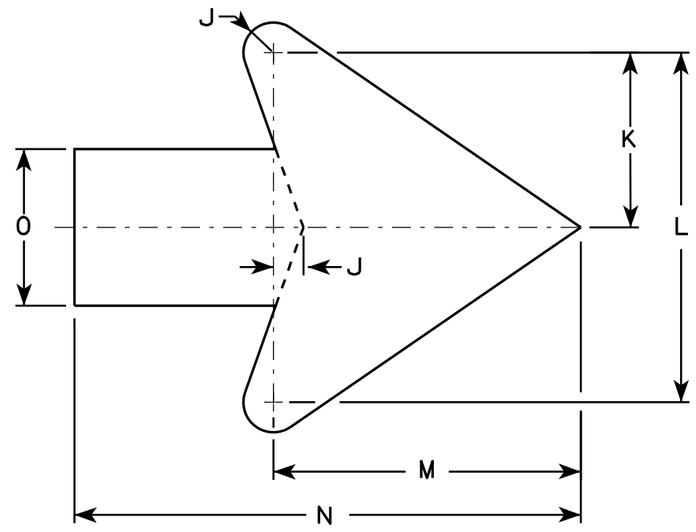
DATE 2/13/14 PLATE NO W11-15.4

PROJECT NO: | HWY: | COUNTY: | 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 - 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.



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		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

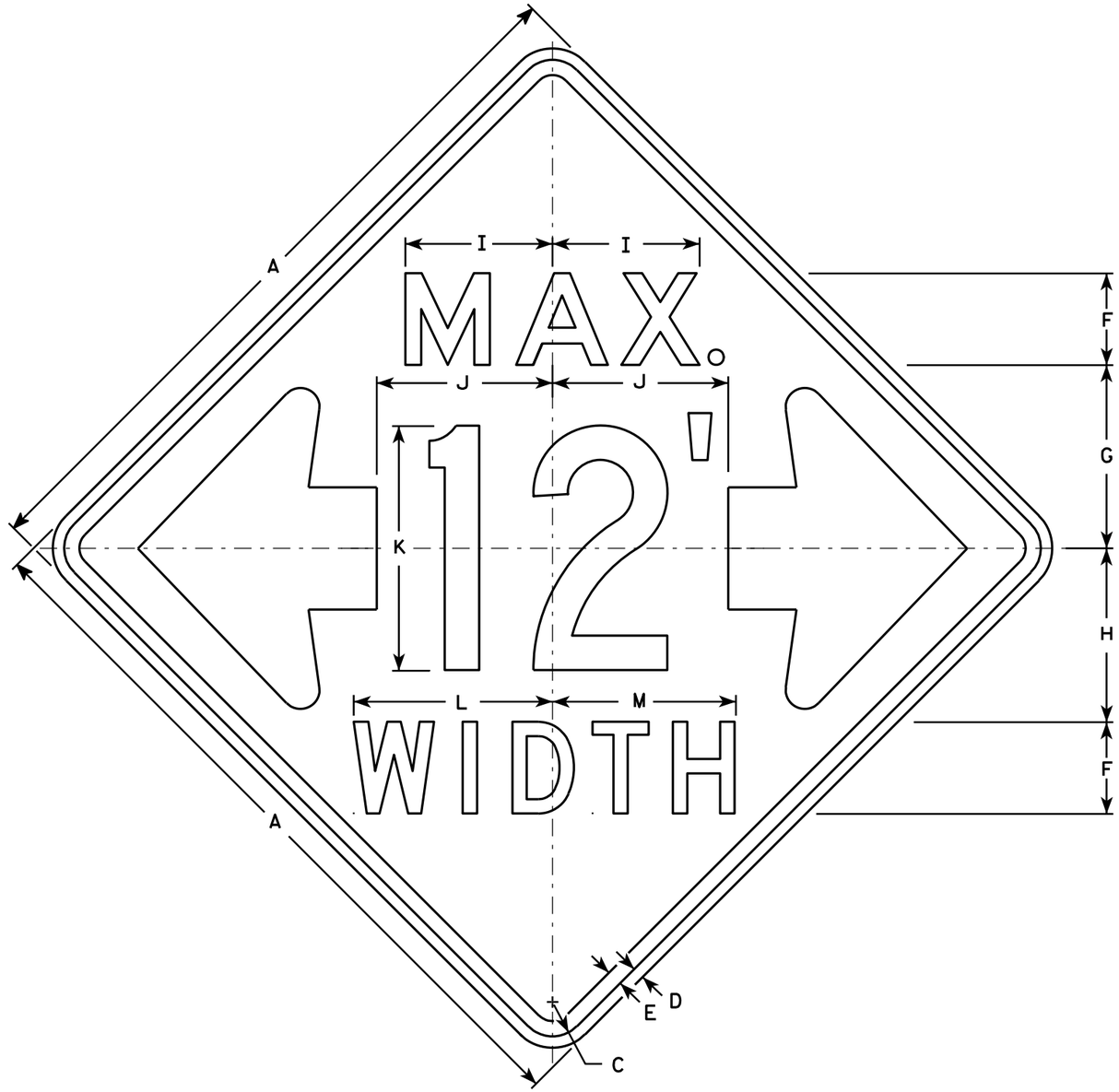
STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15

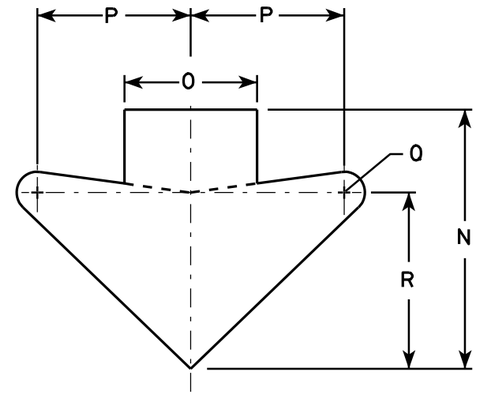
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 745	E



W12-52

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. The top line is series E, the numerals are series C, and the bottom line is series D.
6. Substitute appropriate numerals and adjust spacing as required.



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	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
2M	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
3																											
4																											
5																											

STANDARD SIGN
W12-52

WISCONSIN DEPT OF TRANSPORTATION

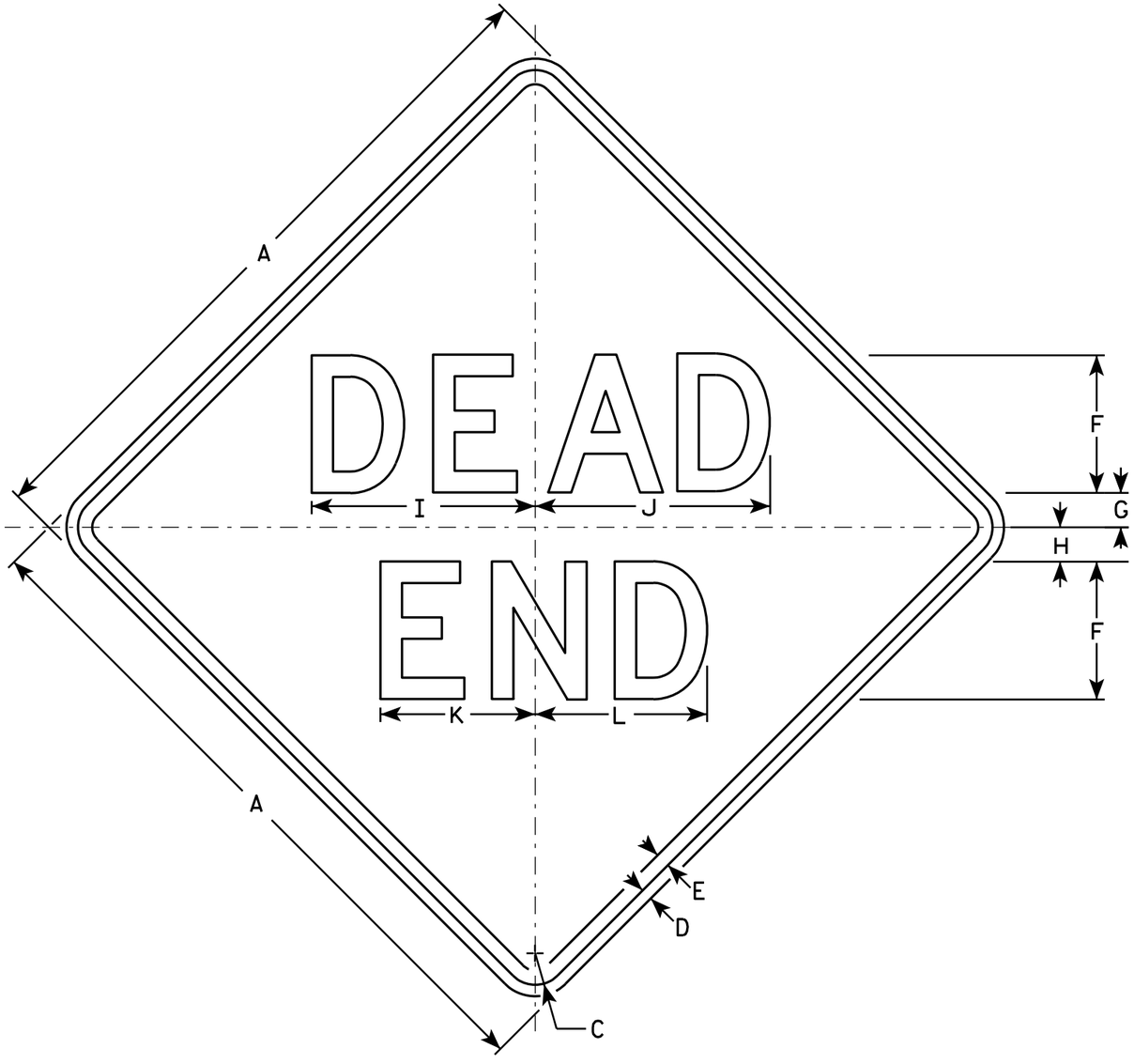
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/11 PLATE NO. W12-52.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 746 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W1252.DGN PLOT DATE : 16-MAR-2011 14:45 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.137199:1.000000
WISDOT/CADDS SHEET 42



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																											

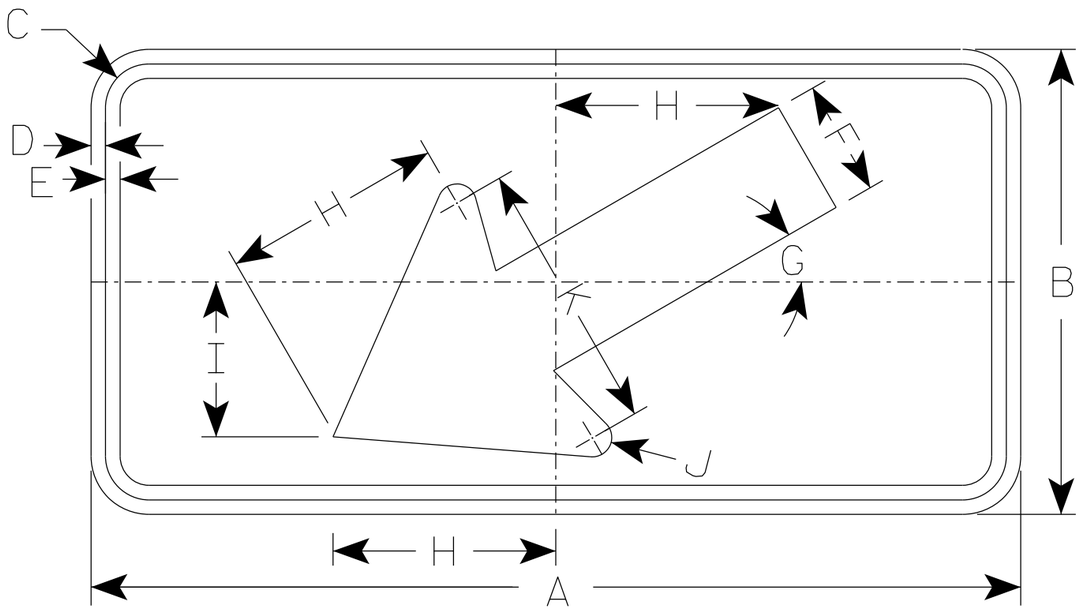
STANDARD SIGN
W14-1

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: 747	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

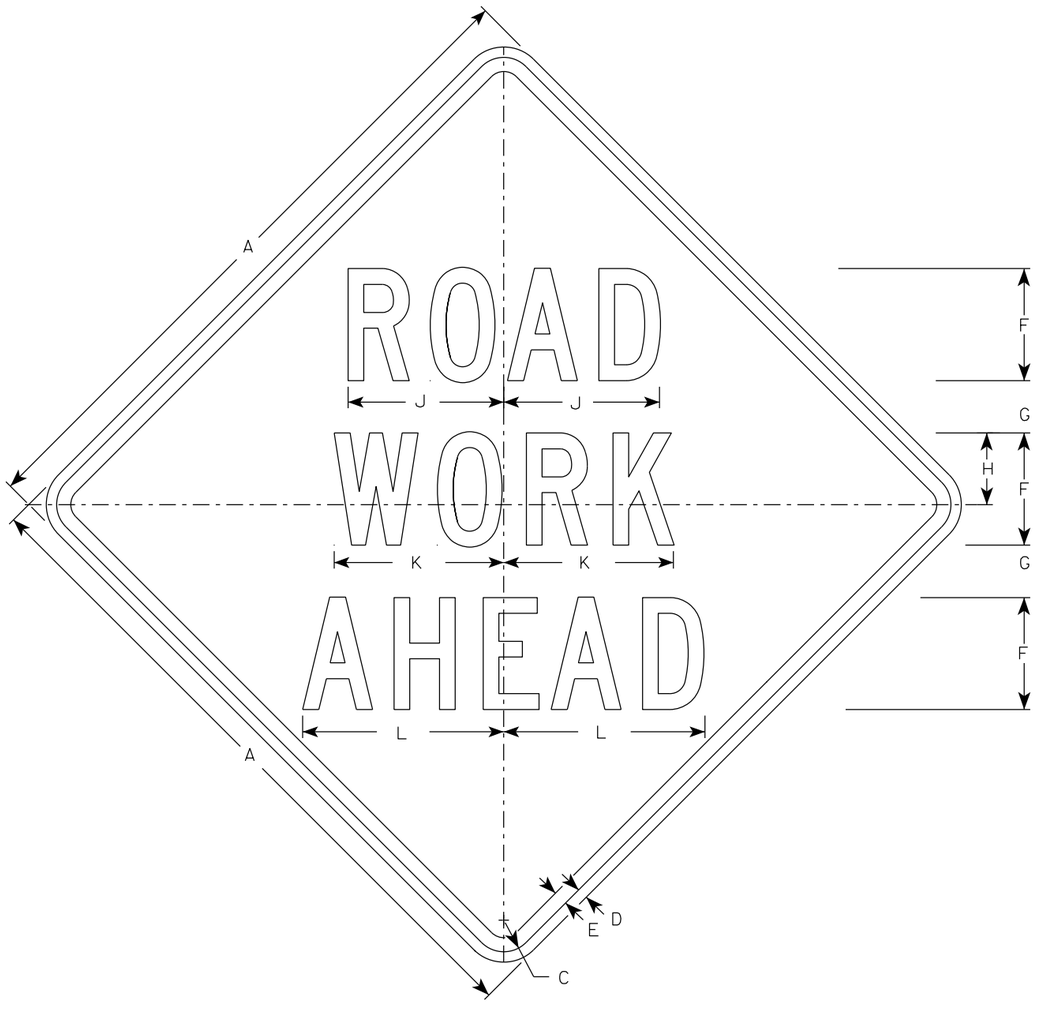
DATE 3/16/2021 PLATE NO. W16-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 748	E

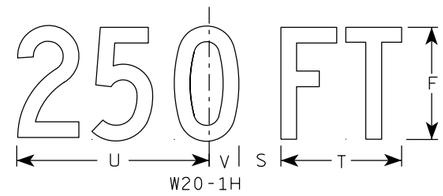
7

NOTES

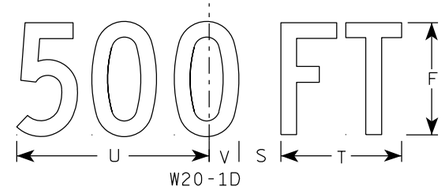
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A

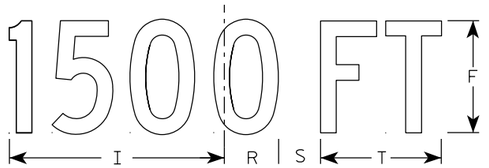


W20-1H

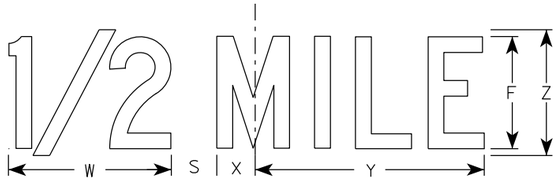


W20-1D

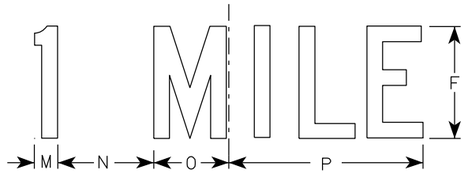
W20-1C



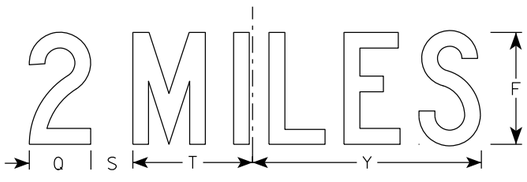
W20-1B



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:

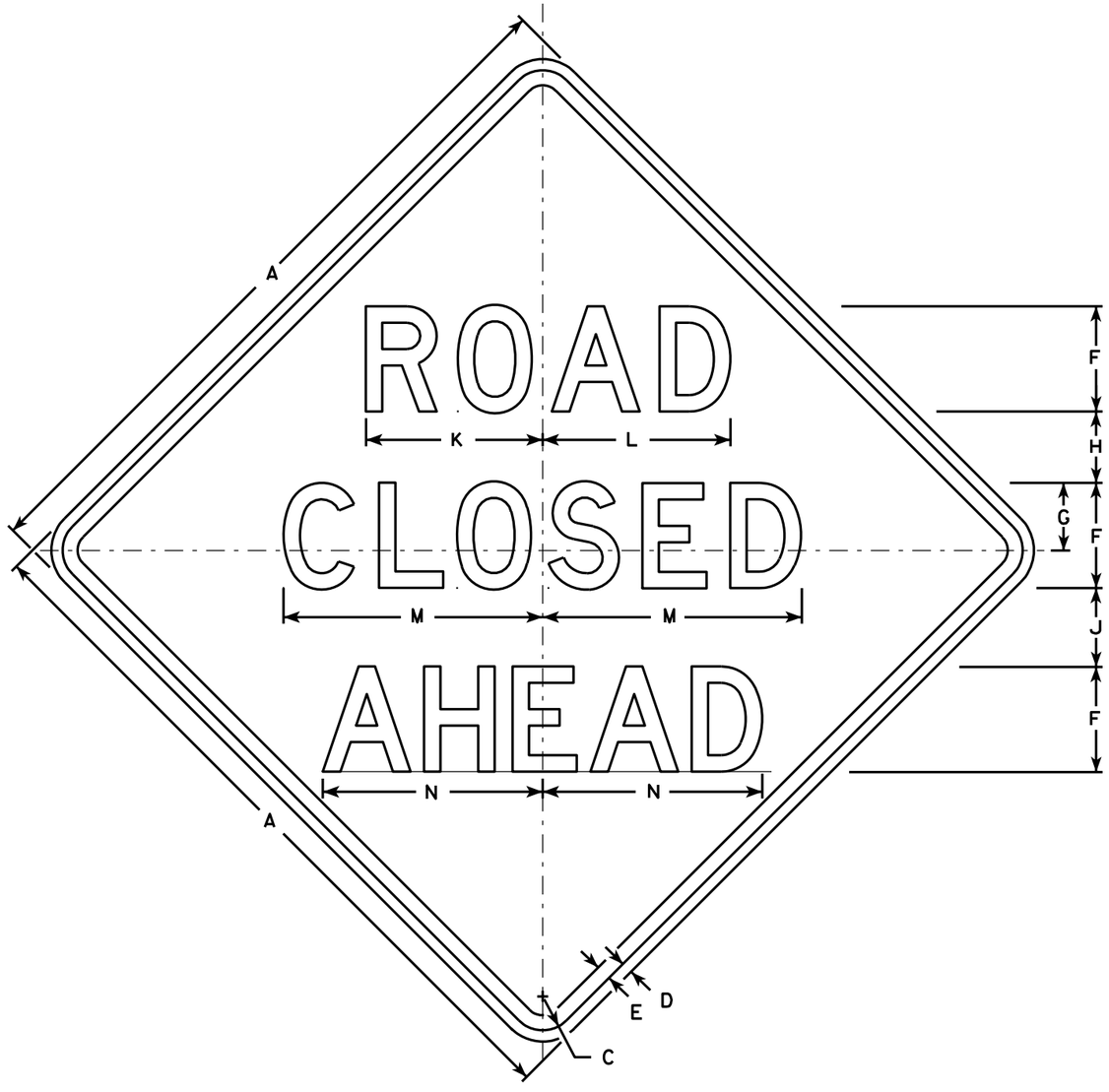
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

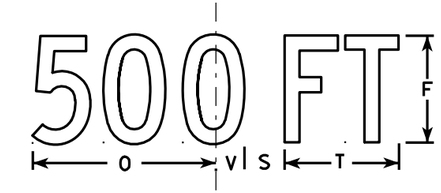
WISDOT/CADDS SHEET 42

7

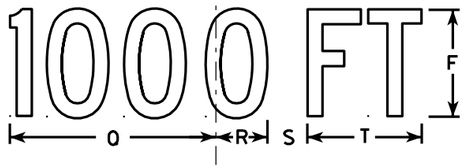
7



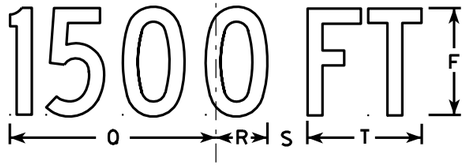
W20-3A



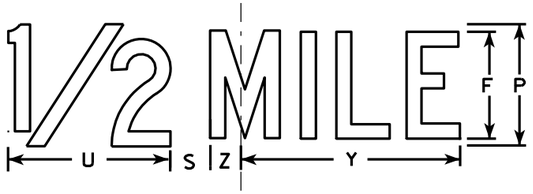
W20-3D



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

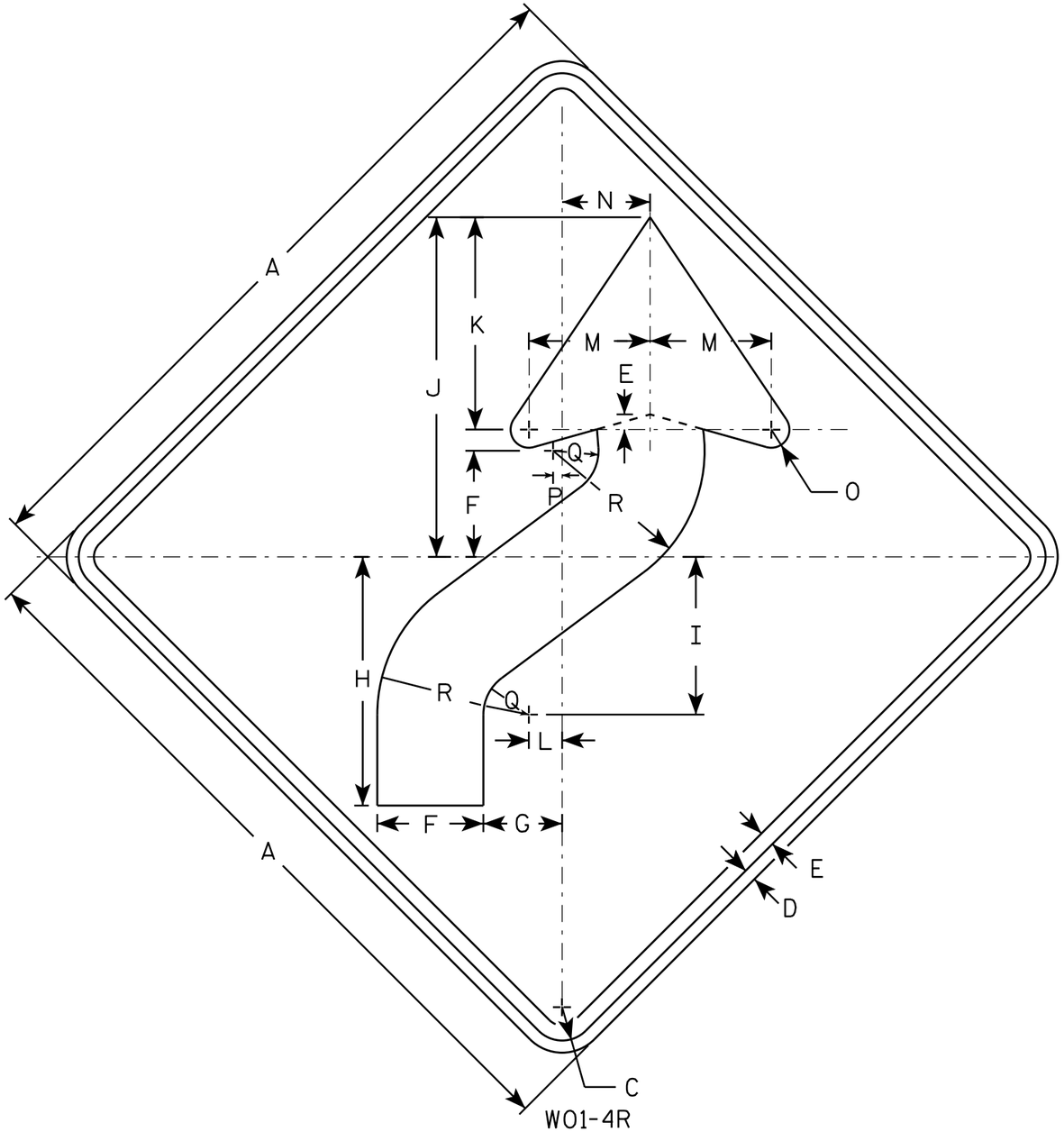
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 750 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



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

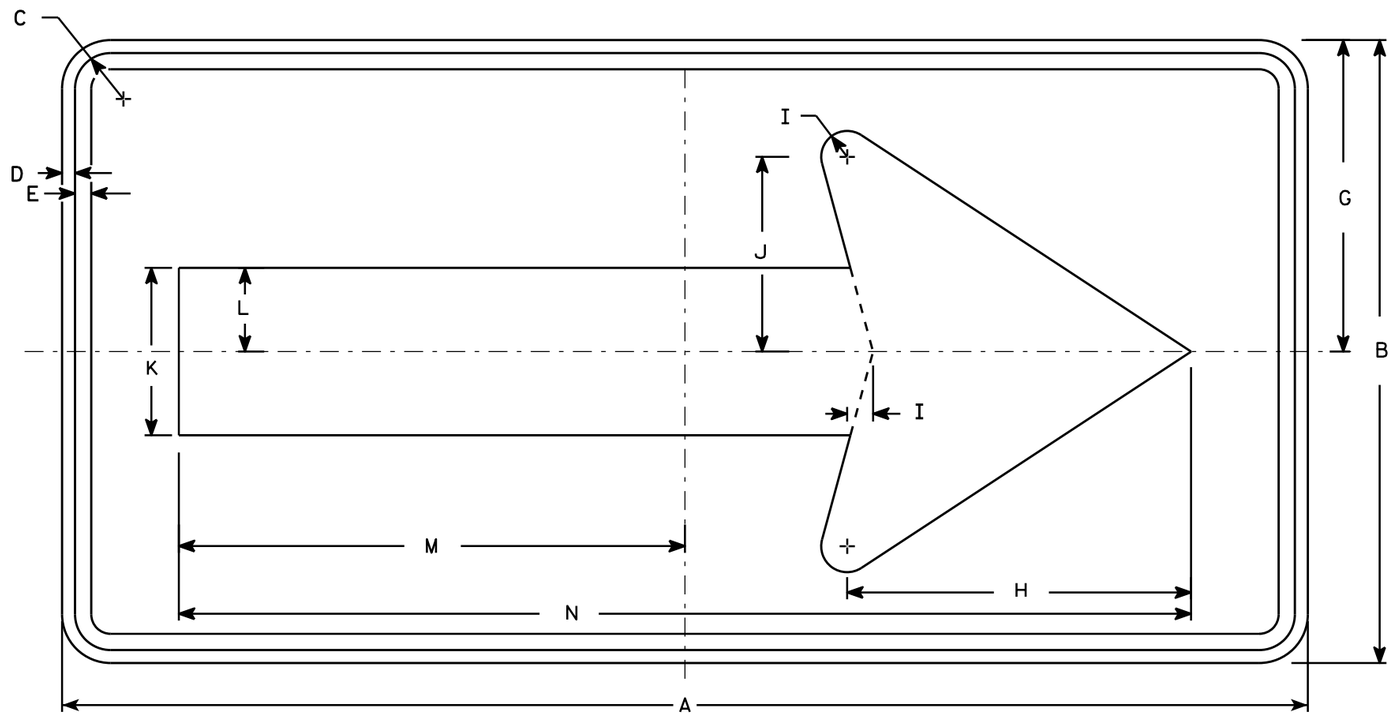
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-4.1

751

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



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

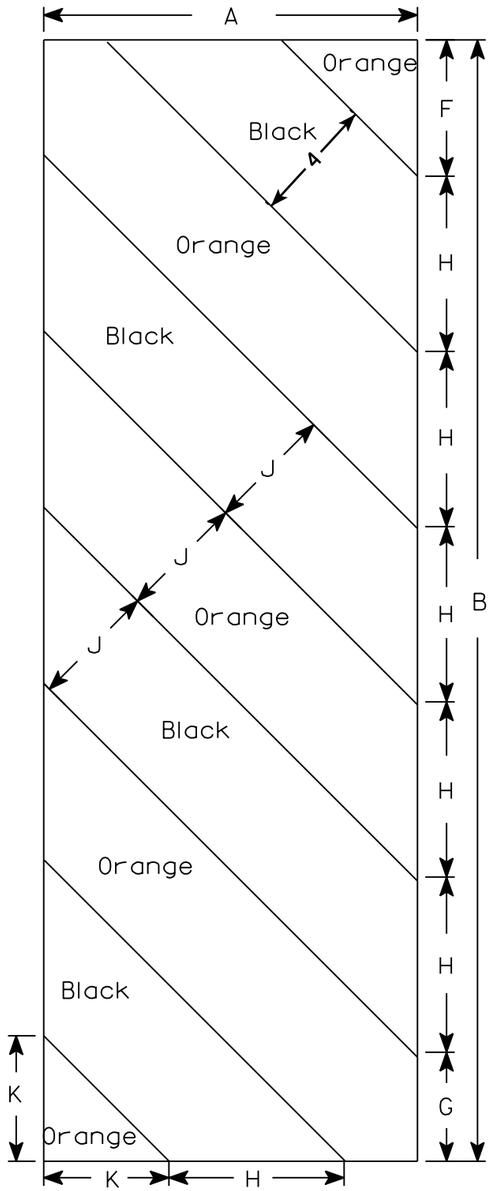
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

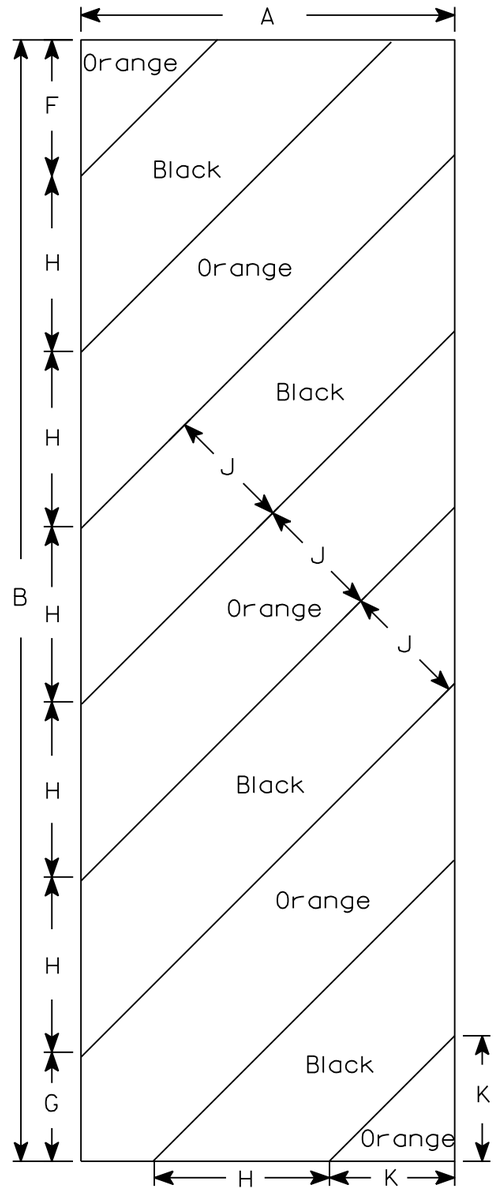
DATE 11/18/13 PLATE NO. W01-6.1

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



W05-52L



W05-52R

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. Alternate colors of stripes as shown.

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	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

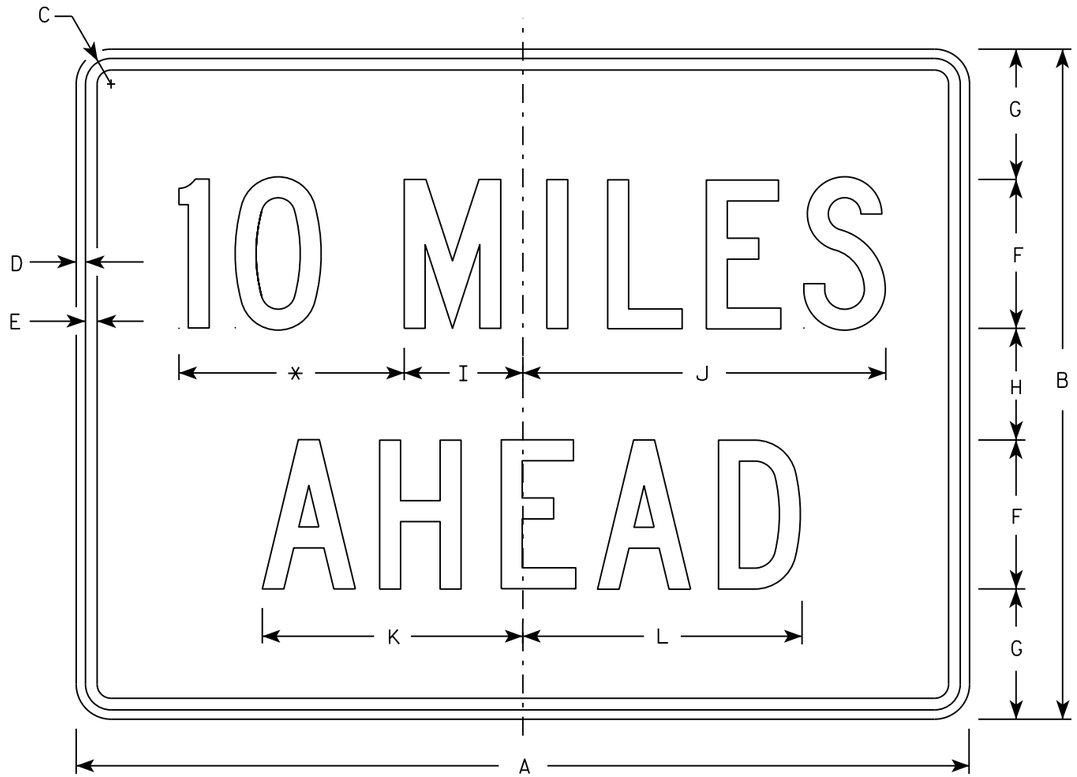
W05-52L & W05-52R

WISCONSIN DEPT OF TRANSPORTATION

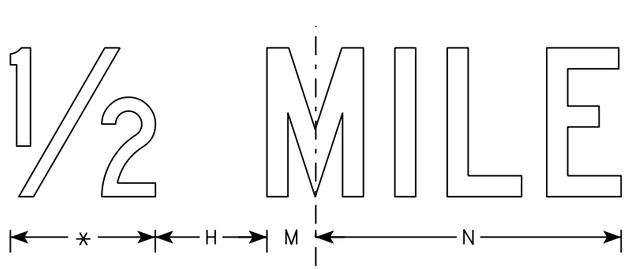
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE No. W05-52.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W057-52



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.
5. Substitute appropriate numerals to the nearest quarter mile and optically adjust spacing to achieve proper 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 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	12													6.0
2S	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
2M	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
3	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
4	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
5	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0

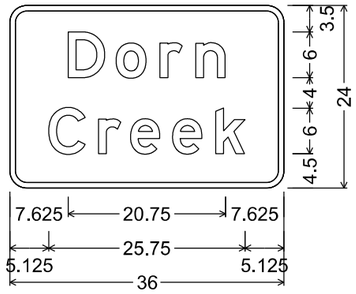
STANDARD SIGN
W057-52

WISCONSIN DEPT OF TRANSPORTATION

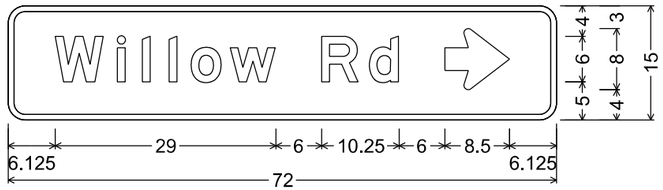
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W057-52.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 754	E



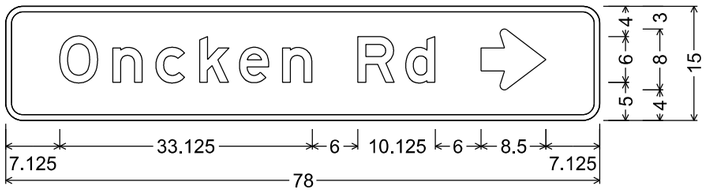
I3-1 (Qty. 2); 2.250" Radius, 0.750" Border



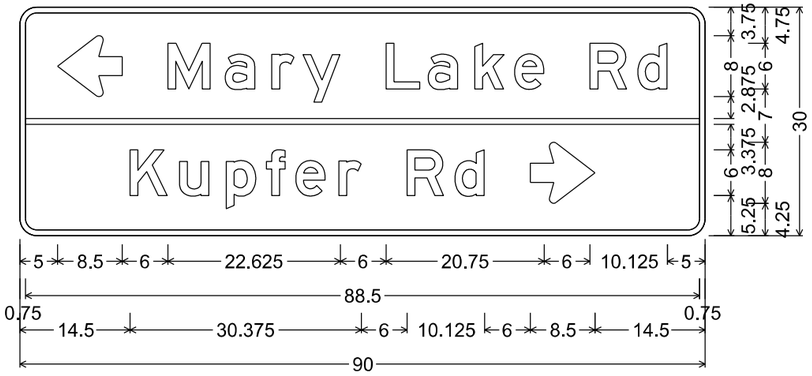
D1-1; 2.250" Radius, 0.750" Border

NOTES

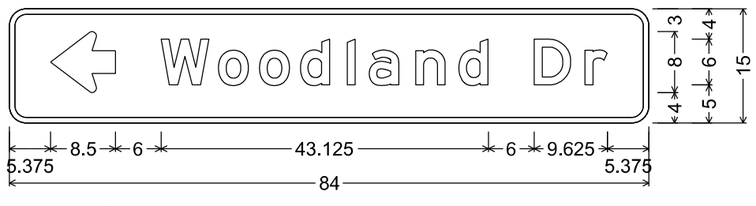
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E



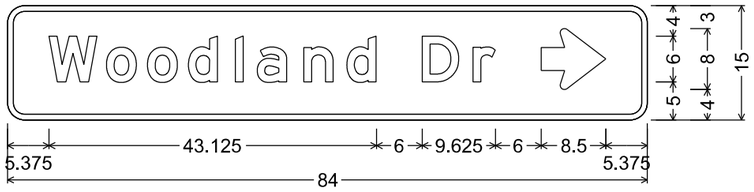
D1-1; 2.250" Radius, 0.750" Border



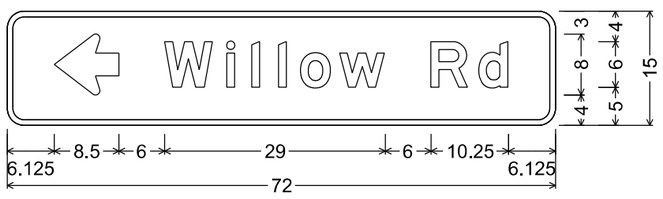
D1-2; 2.250" Radius, 0.750" Border



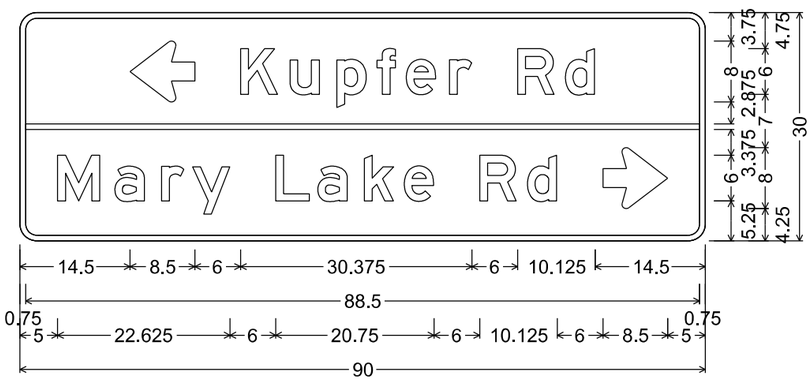
D1-1; 2.250" Radius, 0.750" Border



D1-1; 2.250" Radius, 0.750" Border



D1-1; 2.250" Radius, 0.750" Border



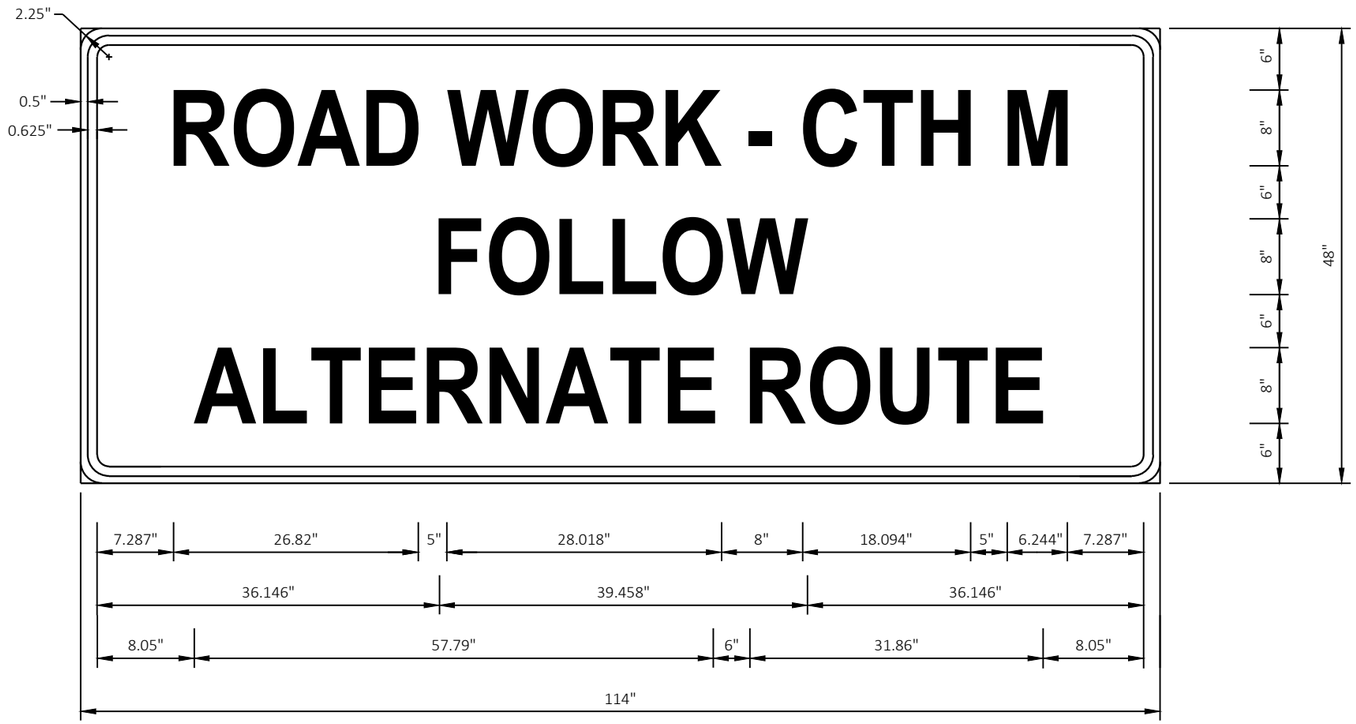
D1-2; 2.250" Radius, 0.750" Border

7

7

NOTES:

1. SIGNS IS TYPE II - TYPE F REFLECTIVE
2. COLOR:
   BACKGROUND - ORANGE
   MESSAGE - BLACK
3. MESSAGE SERIES - D



7

7

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	TRAFFIC CONTROL - FIXED MESSAGE SIGN DETAIL	SHEET 756	E

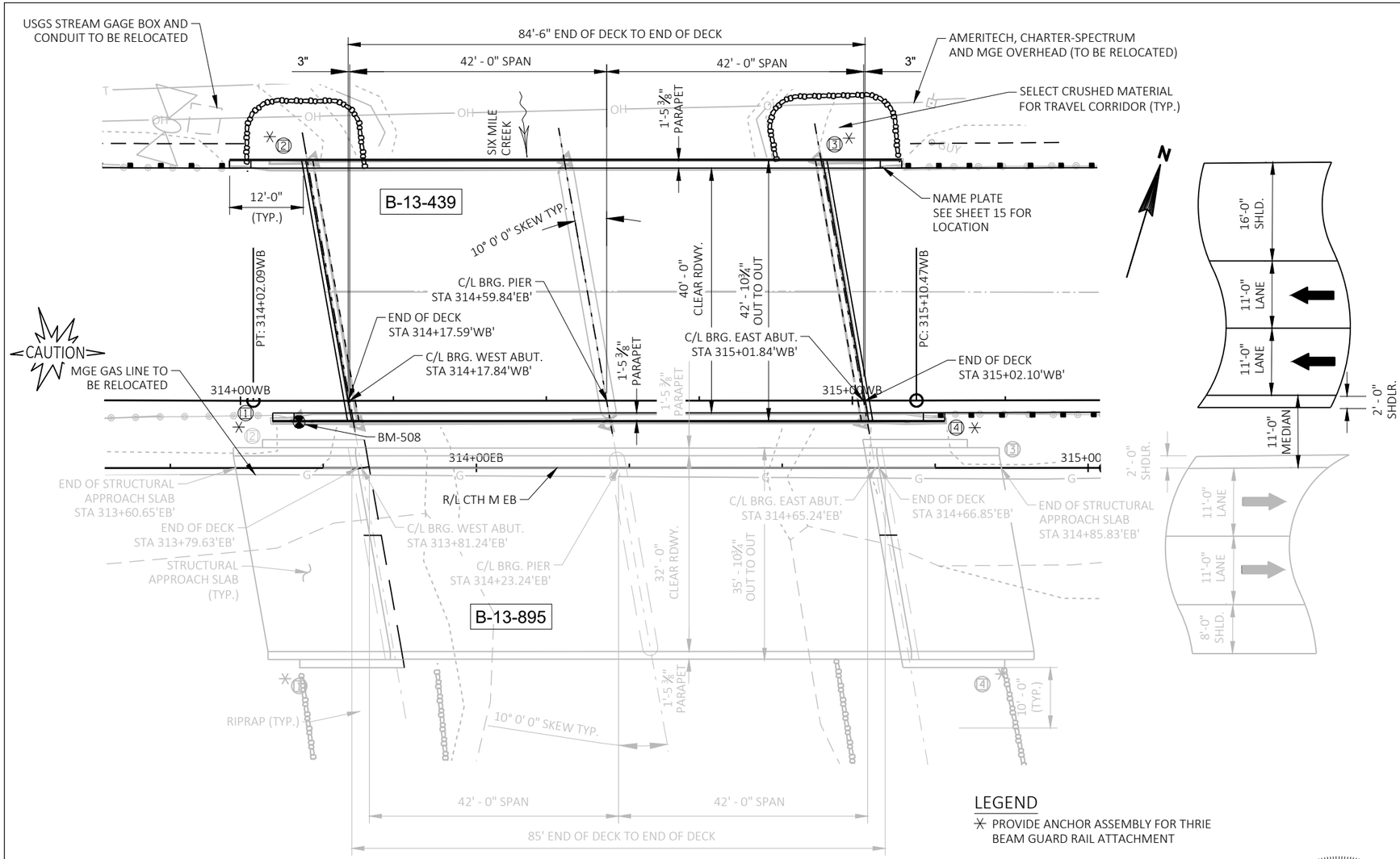
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\071202-SD.DWG
LAYOUT NAME - FIXED MESSAGE SIGN

PLOT DATE : 4/12/2023 3:55 PM PLOT BY : JENNIFER LAUER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET

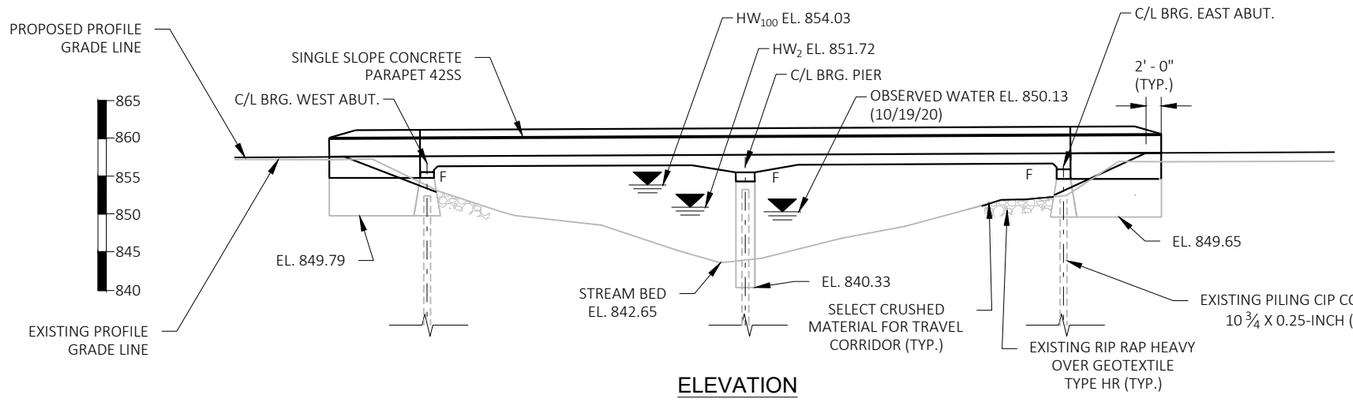
STATE PROJECT NUMBER

5954-00-01



PLAN

DECK REPLACEMENT - TWO SPAN HAUNCHED SLAB STRUCTURE, B-13-439



ELEVATION

NORMAL TO SIX MILE CREEK LOOKING NORTH

LEGEND

⚹ PROVIDE ANCHOR ASSEMBLY FOR THRIE BEAM GUARD RAIL ATTACHMENT

① INDICATES WING NUMBER

DESIGN DATA

LIVE LOAD:
DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: 1.10
OPERATING RATING FACTOR: 1.43
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:
CONCRETE MASONRY SUPERSTRUCTURE.....f'c = 4,000 P.S.I.
CONCRETE MASONRY SUBSTRUCTURE.....f'c = 3,500 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60.....f'c = 60,000 P.S.I.

HYDRAULIC DATA

2 YEAR FREQUENCY

Q_2 = 1000 C.F.S.
H.W.$_2$ = ELEV. 851.91
VEL. = 3.88 FT/S

100 YEAR FREQUENCY

Q_{100} = 2523 C.F.S.
VEL. = 7.03 F.P.S.
H.W.$_{100}$ = ELEV. 854.03
WATERWAY AREA = 360 SQ. FT.
DRAINAGE AREA = 48.4 SQ. MI.
ROAD OVERTOPPING = N/A
SCOUR CRITICAL CODE = 5

TRAFFIC VOLUME

CTH M
A.A.D.T. = 21,150 (2025)
A.A.D.T. = 28,650 (2045)
RDS = 45 MPH

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & DETAILS
3. QUANTITIES, NOTES & PROFILE
4. DEMOLITION PLAN
5. WEST ABUTMENT
6. WEST ABUTMENT DETAILS
7. EAST ABUTMENT
8. EAST ABUTMENT DETAILS
9. PIER
10. SUPERSTRUCTURE CROSS SECTIONS 1
11. SUPERSTRUCTURE CROSS SECTIONS 2
12. SUPERSTRUCTURE PLAN
13. SUPERSTRUCTURE DETAILS
14. SLAB CAMBER
15. SINGLE SLOPE PARAPET 42SS

WISCONSIN
CHAD D. HALVERSON
E-34364
MADISON, WI
PROFESSIONAL ENGINEER

April 6, 2023

STRUCTURE DESIGN CONTACTS
BUREAU OF STRUCTURES:
AARON BONK (608) 261-0261
CONSULTANT:
CHAD HALVERSON (608) 663-1218

NO.	DATE	REVISION	BY

KL Engineering
A Better Experience

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED SDR 05/03/23
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-439

WB CTH M OVER SIX MILE CREEK

COUNTY	TOWN ~~CITY/VILLAGE~~
DANE	WESTPORT

DESIGN SPEC. REHABILITATION N/A

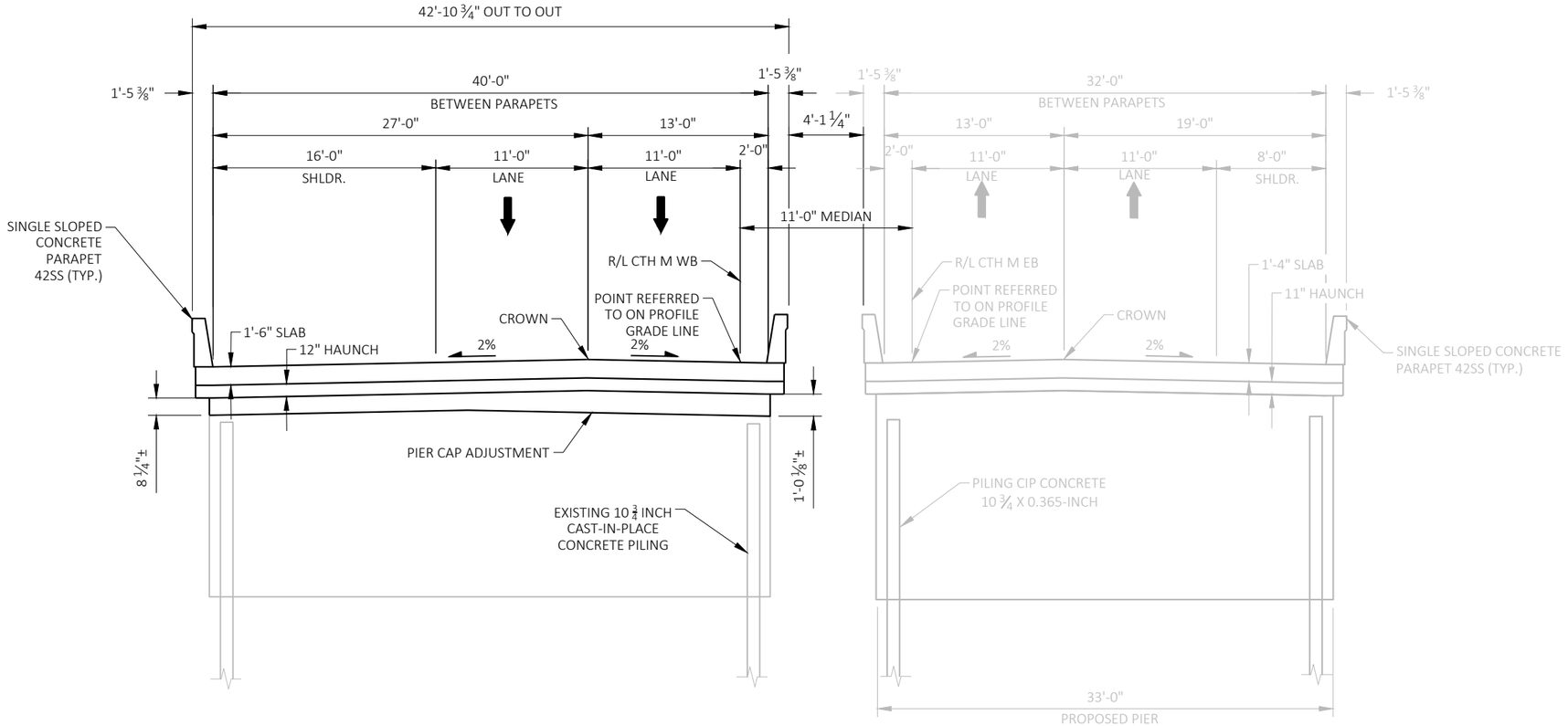
DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
SKH	CDH	STD	CDH

GENERAL PLAN

SHEET 1 OF 15
757

STATE PROJECT NUMBER

5954-00-01



B-13-439

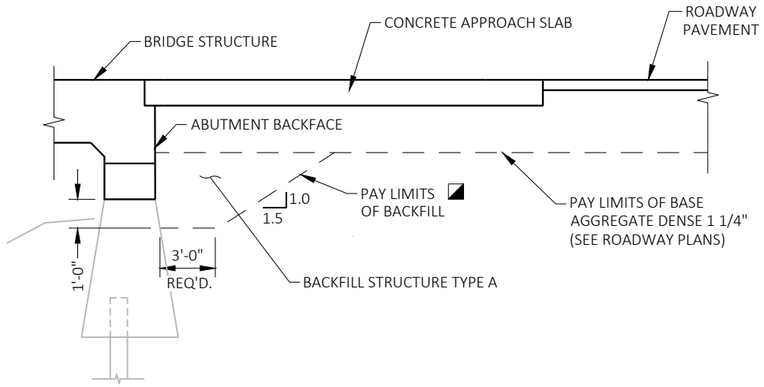
B-13-895

PROPOSED CROSS SECTION AT PIER

(LOOKING EAST)

LEGEND

◪ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.



TYPICAL SECTION THRU ABUTMENT

BENCHMARK TABLE

NO.	X-COORD	Y-COORD	DESCRIPTION	ELEV.
BM-508	807036.1	509106.6	WISDOT VT CTL ALUM DISK TOP CONC WWAL SW QUAD B-13-439-95	802.97

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-439

DRAWN BY STD | PLANS CK'D. CDH

CROSS SECTION & DETAILS

SHEET 2 OF 15

758

STATE PROJECT NUMBER
5954-00-01

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	ITEM DESCRIPTION	UNIT	W ABUT	PIER	E ABUT	SUPER	TOTAL
203.0250	REMOVING STRUCTURE OVER WATERWAY REMOVE DEBRIS B-13-439	EACH	---	---	---	---	1
206.1001	EXCAVATION FOR STRUCTURES BRIDGES B-13-439	EACH	---	---	---	---	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	47	---	63	---	110
502.0100	CONCRETE MASONRY BRIDGES	CY	8.3	3.2	10.4	242.5	264
502.3200	PROTECTIVE SURFACE TREATMENT	SY	---	---	---	376	376
502.3210	PIGMENTED SURFACE SEALER	SY	12	---	12	84	108
502.4204	ADHESIVE ANCHORS NO. 4 BAR	EACH	4	---	4	---	8
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH	190	88	134	---	412
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	250	540	350	---	1,140
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1,385	90	1,425	52,640	55,540
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	18	---	18	---	36
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	2	---	2	---	4
SPV.0195	SELECT CRUSHED MATERIAL FOR TRAVEL CORRIDOR	TON	25	---	25	---	49
	NON-BID ITEMS						
	FILLER	SIZE	1/2" & 3/4"	3/4"	1/2" & 3/4"		

GENERAL NOTES

DIMENSION SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1 INCH DEEP SAW CUT, UNLESS SPECIFIED OTHERWISE.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

AT THE BACKFACE OF ABUTMENT ALL VOLUME (WITHIN THE PAY LIMITS SHOWN) WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURAL BACKFILL.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK SURFACE.

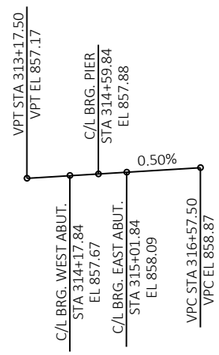
PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND TOP OF THE PARAPETS.

THE EXISTING STRUCTURE B-13-349, IS A TWO-SPAN HAUNCHED SLAB WITH A CLEAR WIDTH OF 40 FT AND A LENGTH OF 86 FT. EXISTING SLAB AND UPPER WINGS TO BE REMOVED.

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS. NAME PLATE TO SHOW ORIGINAL CONSTRUCTION YEAR.

SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE UNLESS AN ALTERNATE METHOD IS APPROVED BY THE ENGINEER.

THE EXISTING RIPRAP ADJACENT TO THE STRUCTURE SHALL BE COVERED BY "SELECT CRUSHED MATERIAL FOR TRAVEL CORRIDOR."



PROFILE GRADE LINE R/L CTH M WB

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-439

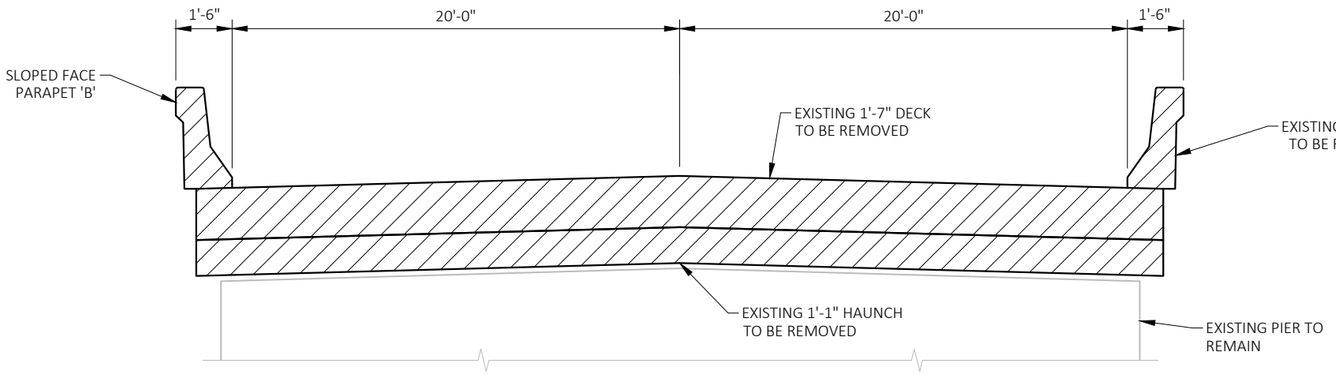
DRAWN BY STD | PLANS CK'D. CDH

QUANTITIES, NOTES & PROFILE

SHEET 3 OF 15
759

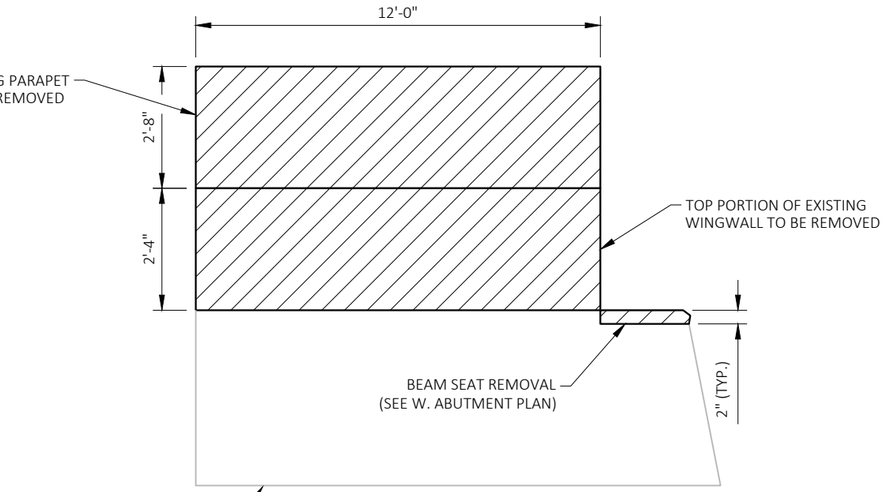
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\STRUCTURE CAD\B-13-439\080303-QN.DWG PLOT DATE : 3/28/2023 1:18 PM PLOT BY : KL ENGINEERING

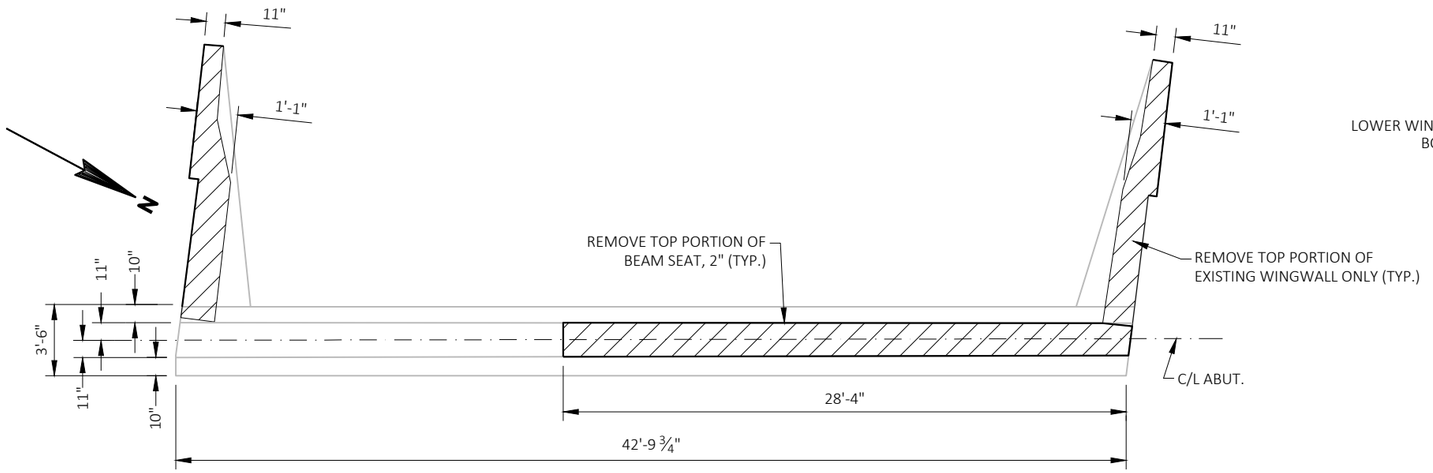
STATE PROJECT NUMBER
5954-00-01



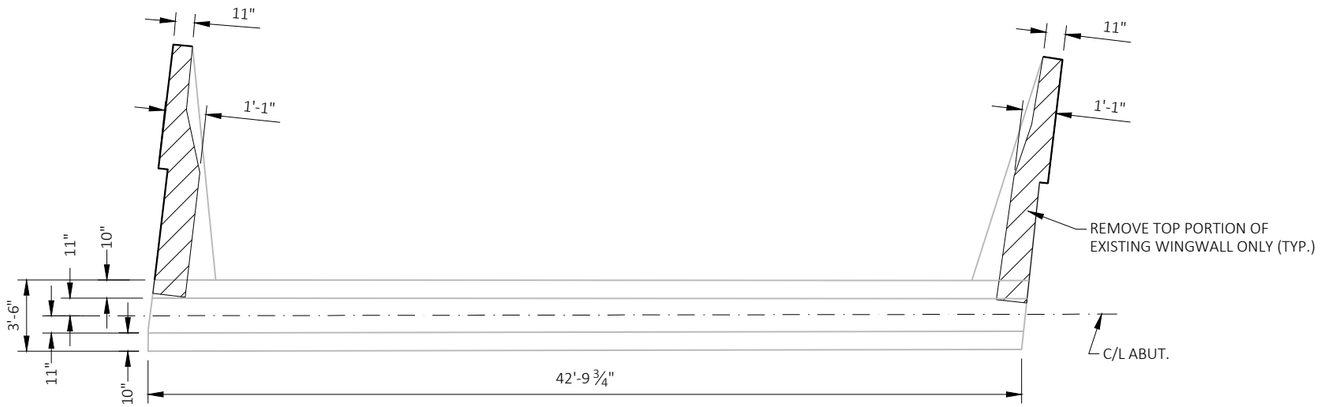
EXISTING TYPICAL SECTION

(THRU DECK AT PIER LOOKING EAST)

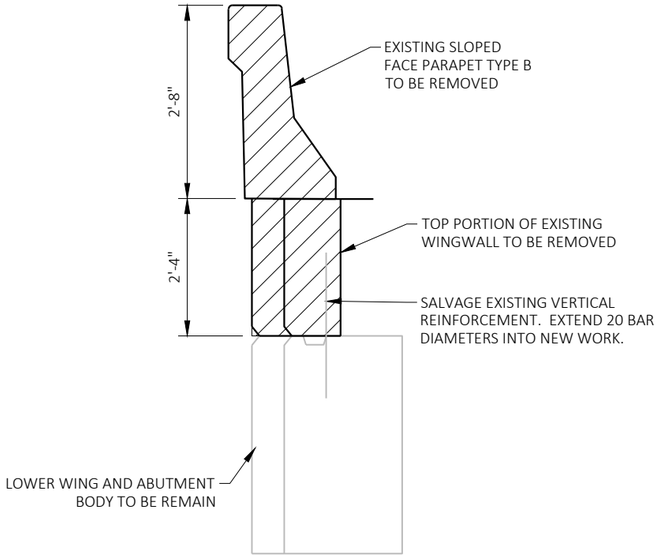




WEST ABUTMENT PLAN



EAST ABUTMENT PLAN



WING SECTION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-439

DRAWN BY STD | PLANS CK'D. CDH

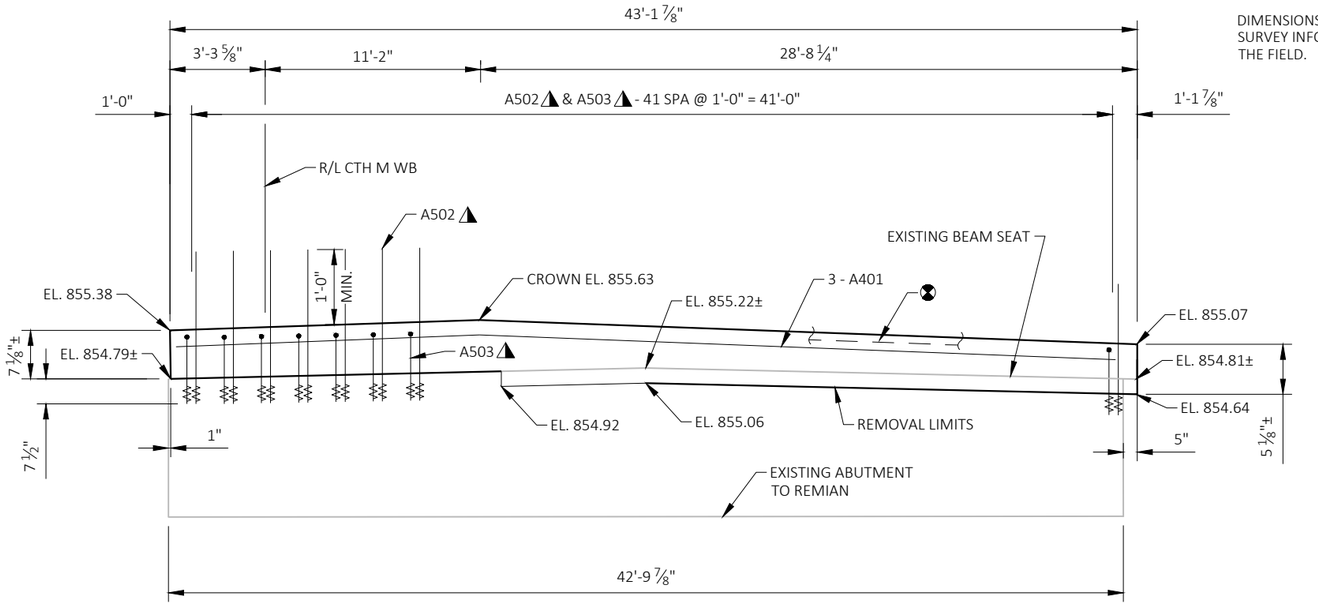
DEMOLITION PLAN

SHEET 4 OF 15

760

STATE PROJECT NUMBER

5954-00-01



ELEVATION

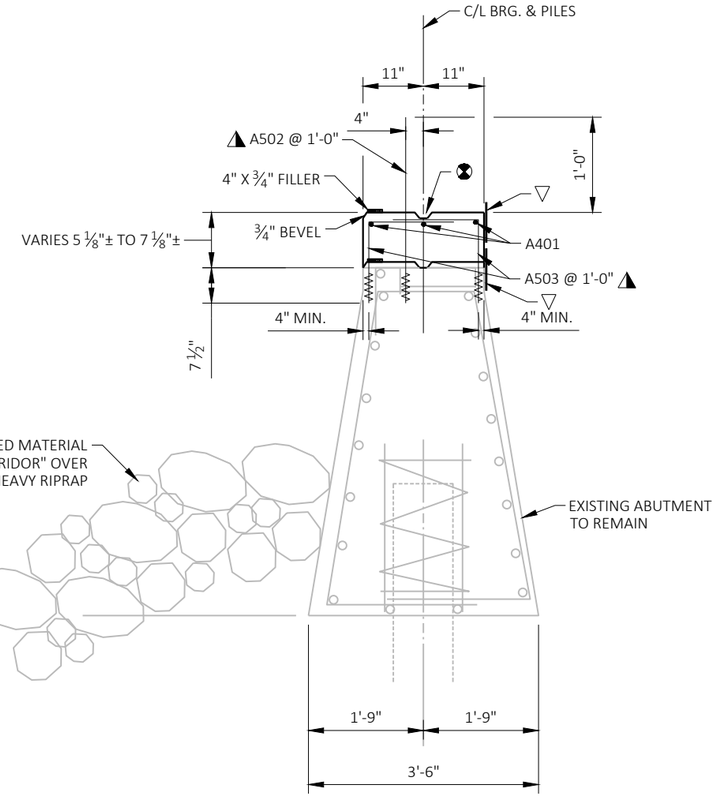
(WEST ABUTMENT LOOKING WEST)

NOTES:

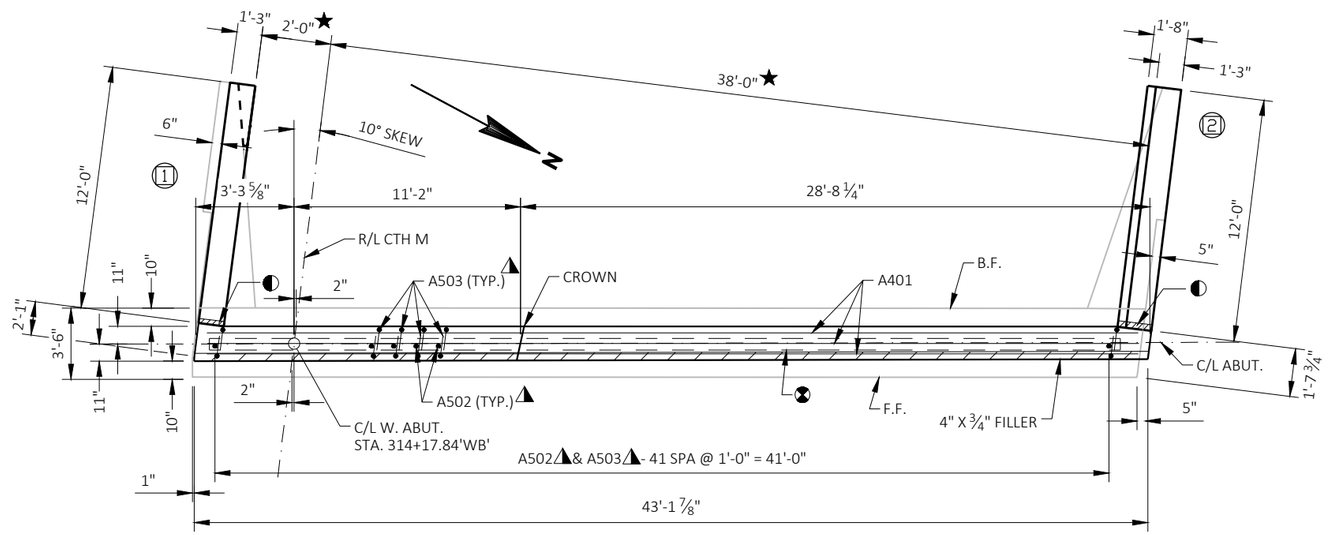
DIMENSIONS BASED ON EXISTING PLAN DETAILS AND SURVEY INFORMATION. SOME DIMENSIONS MAY VARY IN THE FIELD.

LEGEND

- ▲ ADHESIVE ANCHORS NO. 5 BAR. EMBEDDED 7 ½" IN CONCRETE. ANCHORS SHALL BE APPROVED FOR USE IN CRACKED CONCRETE.
- ▽ 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.
- ⊠ KEYED CONSTRUCTION JOINT FORMED BY A BEVELED 2" X 6".
- ◐ ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE) EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.
- ★ DIMENSIONS ARE TAKEN PERPENDICULAR TO R/L CTH M 'WB'.



TYPICAL SECTION THRU BODY



PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-439

DRAWN BY STD | PLANS CK'D. CDH

WEST ABUTMENT

SHEET 5 OF 15

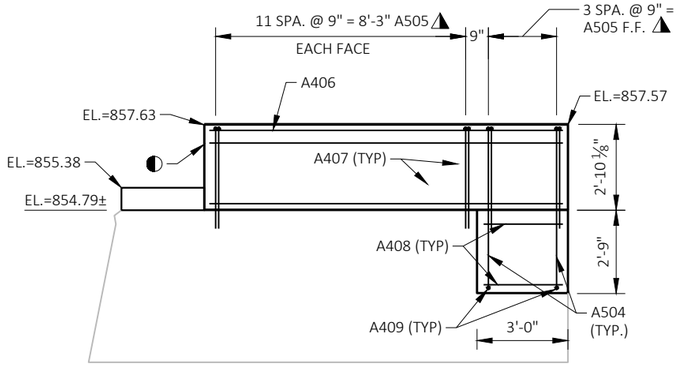
761

STATE PROJECT NUMBER

5954-00-01

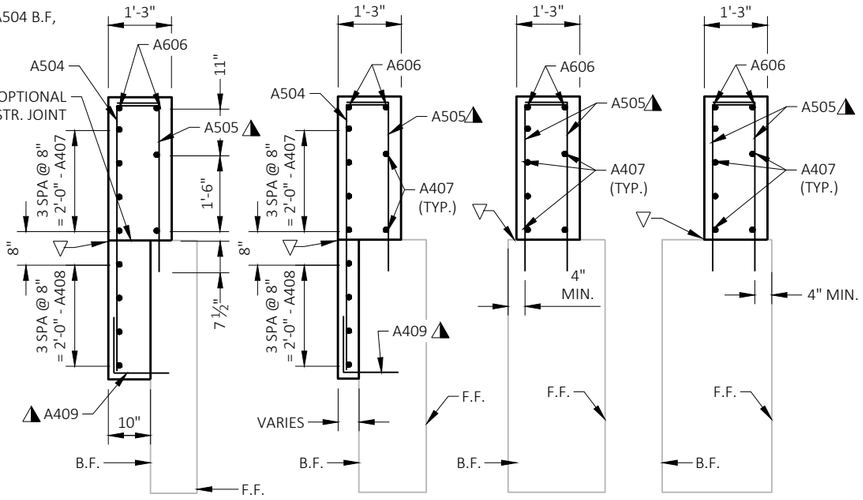
UNCOATED TOTAL = 250 LBS

COATED TOTAL = 550 LBS

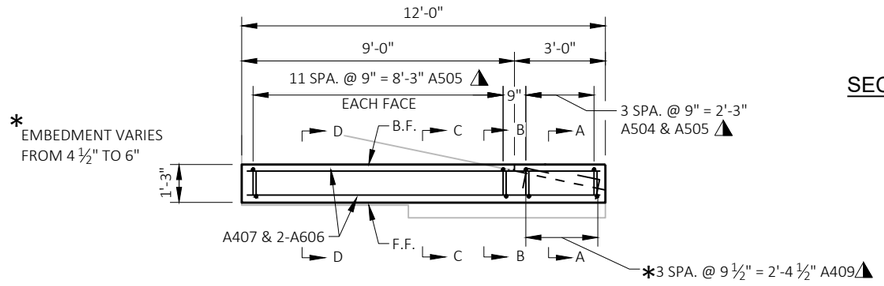


WING 1 ELEVATION

(INSIDE FACE)



SECTION A-A SECTION B-B SECTION C-C SECTION D-D



WING 1 PLAN

WING 1 SECTION VIEWS

LEGEND

- ◭ ADHESIVE ANCHORS NO. 4 BAR (EMBED 4 ½" MIN.) OR NO. 5 BAR. (EMBED 7 ½" MIN.). CONCRETE ANCHORS SHALL BE APPROVED FOR USE IN CRACKED CONCRETE.
- ▽ 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.
- ◐ ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE) EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

BILL OF BARS

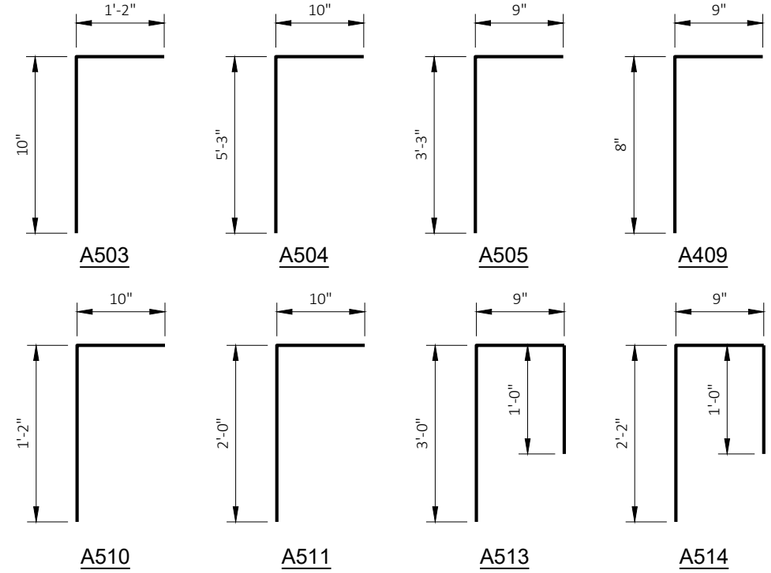
	BAR MARK	NO. REQ'D	LENGTH	BENT	COAT	LOCATION
	A401	3	42'-10"			ABUT. - TOP. LONGIT.
◭	A502	42	2'-5"		X	ABUT. - TOP DOWEL
◭	A503	84	1'-10"	X		ABUT. - FF & BF VERTICAL
	A504	4	6'-0"	X	X	WING 1 - BF VERTICAL
◭	A505	28	3'-10"	X	X	WING 1 - FF VERTICAL
	A606	4	11'-8"		X	WING 1 & 2 - TOP HORIZONTAL
	A407	13	11'-8"		X	WING 1 & 2 - BF & FF HORIZONTAL
	A408	4	2'-8"		X	WING 1 - BASE HORIZONTAL
◭	A409	4	1'-4"	X	X	WING 1 - BASE ANCHOR
	A510	6	1'-11"	X	X	WING 2 - BF VERTICAL
◭	A511	12	2'-8"	X	X	WING 2 - BF VERTICAL ANCHOR
◭	A513	10	4'-6"	X	X	WING 2 - FF VERTICAL ANCHOR
	A514	8	3'-8"	X	X	WING 2 - FF VERTICAL

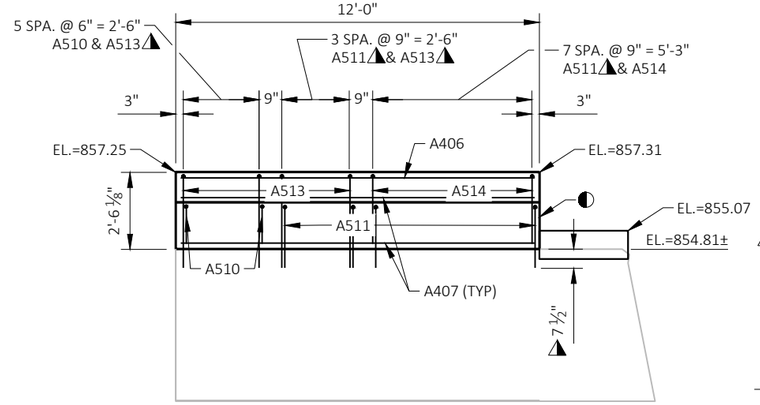
NOTES:

BAR DIMENSIONS ARE OUT TO OUT OF BAR. THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE.

TRIM A503 BARS IN THE FIELD OR INCREASE ANCHOR EMBEDMENT DEPTH TO PROVIDE REQUIRED CLEARANCE TO TOP OF CAP.

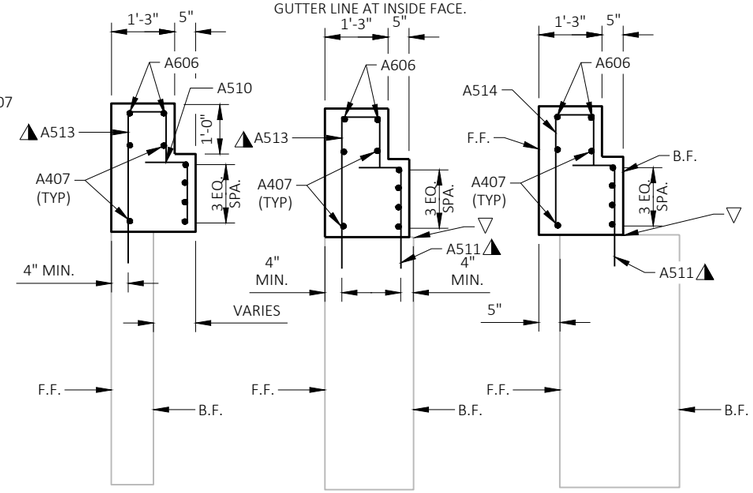
TRIM A409 BARS IN THE FIELD TO PROVIDE REQUIRED CLEARANCE TO FACE OF WING.



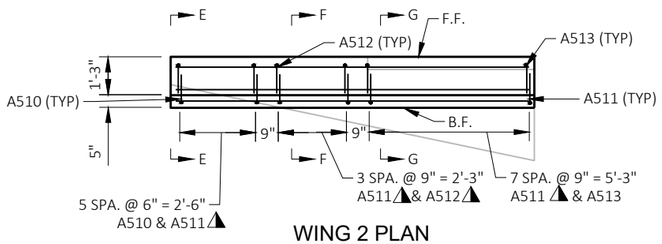


WING 2 ELEVATION

(INSIDE FACE)

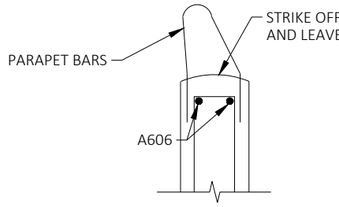


SECTION E-E SECTION F-F SECTION G-G



WING 2 PLAN

WING 2 SECTION VIEWS



TOP OF WING DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-439

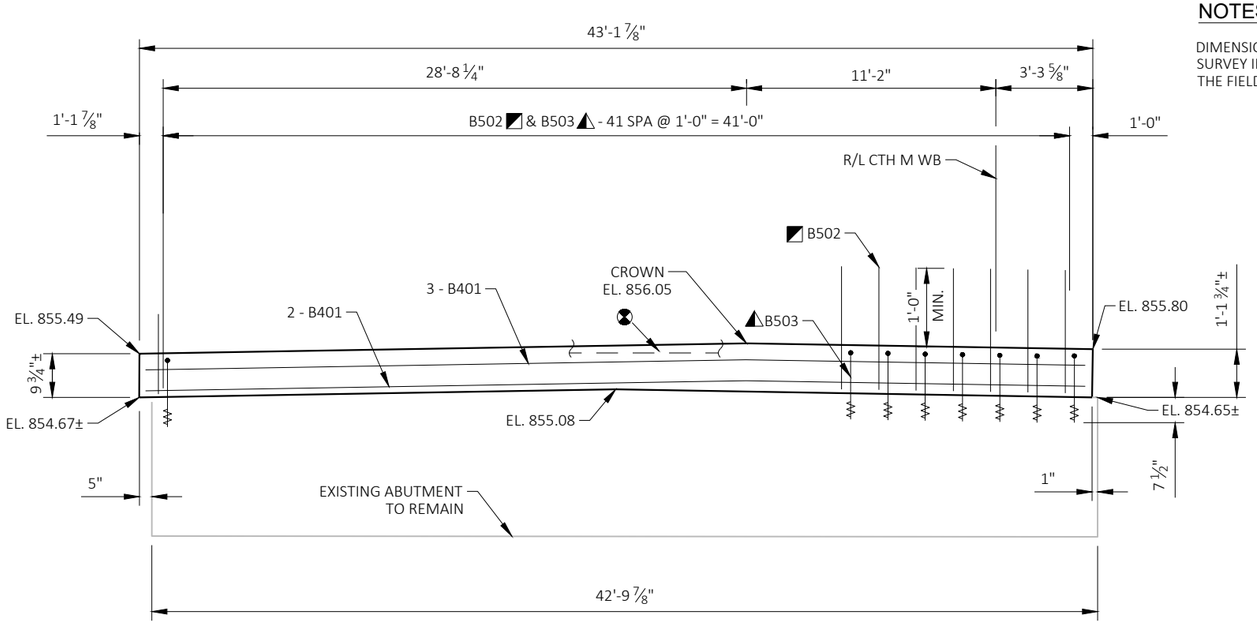
DRAWN BY STD | PLANS CK'D. CDH

WEST ABUTMENT DETAILS

SHEET 6 OF 15

762

STATE PROJECT NUMBER
5954-00-01



ELEVATION

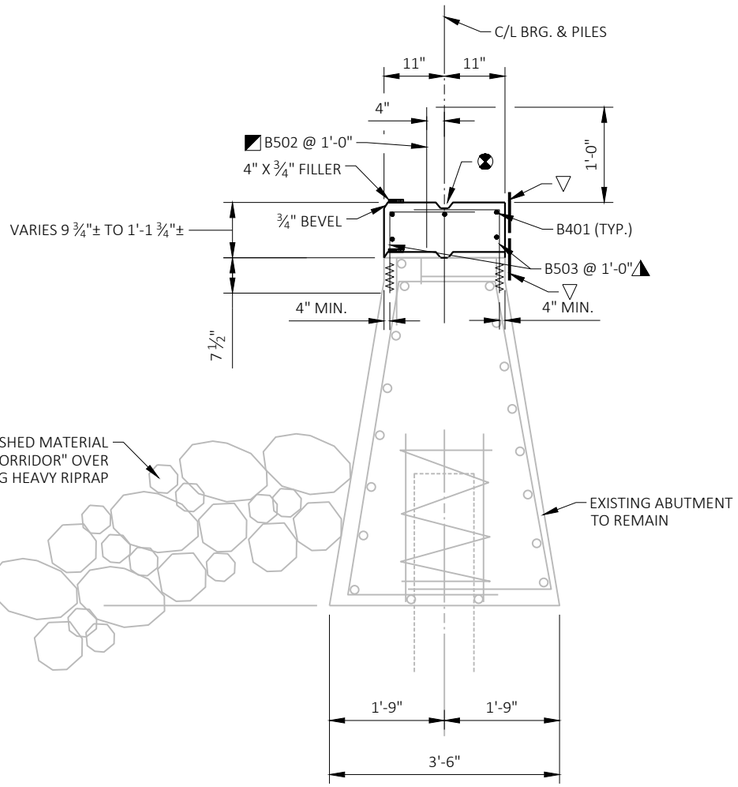
(EAST ABUTMENT LOOKING EAST)

NOTES:

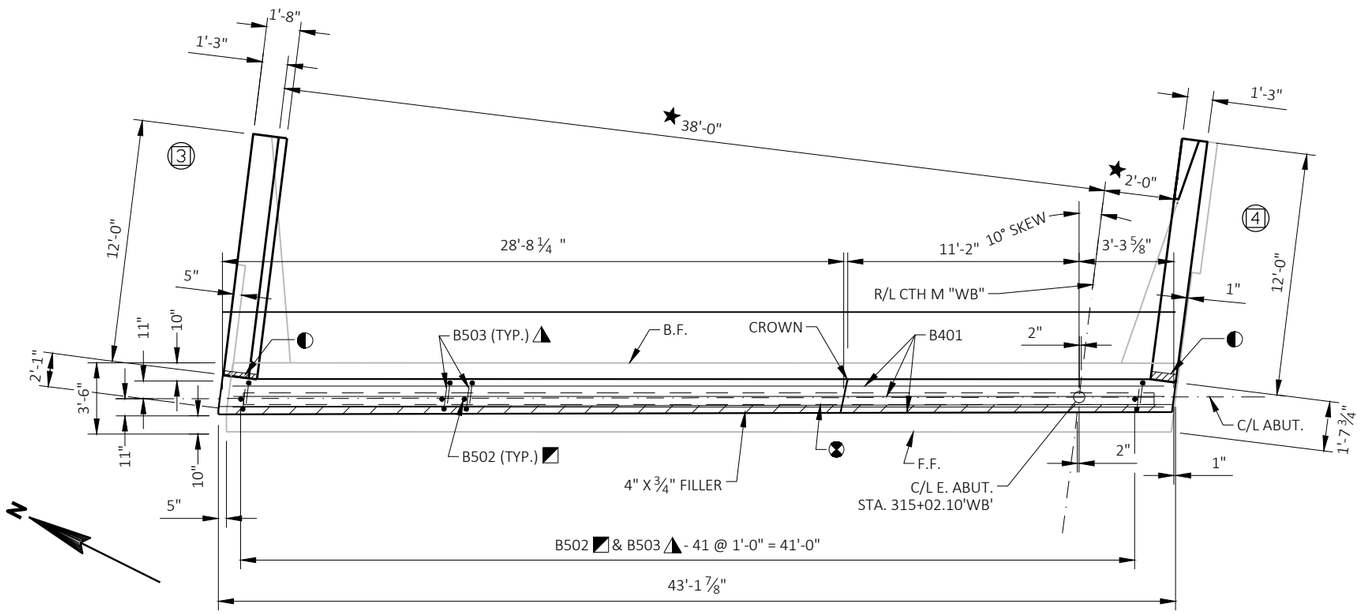
DIMENSIONS BASED ON EXISTING PLAN DETAILS AND SURVEY INFORMATION. SOME DIMENSIONS MAY VARY IN THE FIELD.

LEGEND

- ◭ ADHESIVE ANCHORS NO. 5 BAR. EMBEDDED 7 ½" IN CONCRETE. ANCHORS SHALL BE APPROVED FOR USE IN CRACKED CONCRETE.
- ▽ 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.
- ⊗ KEYED CONSTRUCTION JOINT FORMED BY A BEVELED 2" X 6".
- ◐ ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE) EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.
- ★ DIMENSIONS ARE TAKEN PERPENDICULAR TO R/L CTH M 'WB' EXCEPT AS NOTED.
- ◩ B502 BARS MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE.



TYPICAL SECTION THRU BODY



PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-439

DRAWN BY STD | PLANS CK'D. CDH

EAST ABUTMENT

SHEET 7 OF 15
763

STATE PROJECT NUMBER

5954-00-01

UNCOATED TOTAL = 350 LBS
COATED TOTAL = 590 LBS

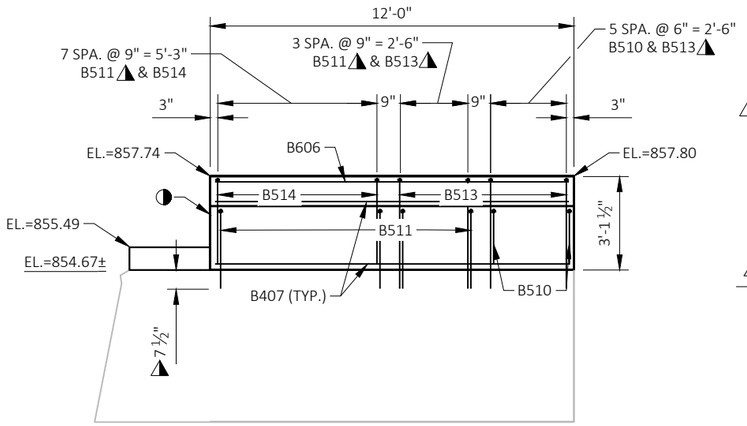
BILL OF BARS

	BAR MARK	NO. REQ'D	LENGTH	BENT	COAT	LOCATION
	B401	5	42'-10"			ABUT. - TOP. LONGIT.
	B502	42	2'-0"		X	ABUT. - TOP DOWEL
◭	B503	84	2'-4"	X		ABUT. - FF & BF VERTICAL
	B504	4	6'-6"	X	X	WING 4 - BF VERTICAL
◭	B505	28	4'-5"	X	X	WING 4 - FF VERTICAL
	B606	4	11'-8"		X	WING 3 & 4 - TOP HORIZONTAL
	B407	15	11'-8"		X	WING 3 & 4 - BF & FF HORIZONTAL
	B408	4	2'-8"		X	WING 4 - BASE HORIZONTAL
◭	B409	4	1'-4"	X	X	WING 4 - BASE ANCHOR
	B510	6	2'-5"	X	X	WING 3 - BF VERTICAL
◭	B511	12	3'-3"	X	X	WING 3 - BF VERTICAL ANCHOR
◭	B513	10	5'-0"	X	X	WING 3 - FF VERTICAL ANCHOR
	B514	8	4'-3"	X	X	WING 3 - FF VERTICAL

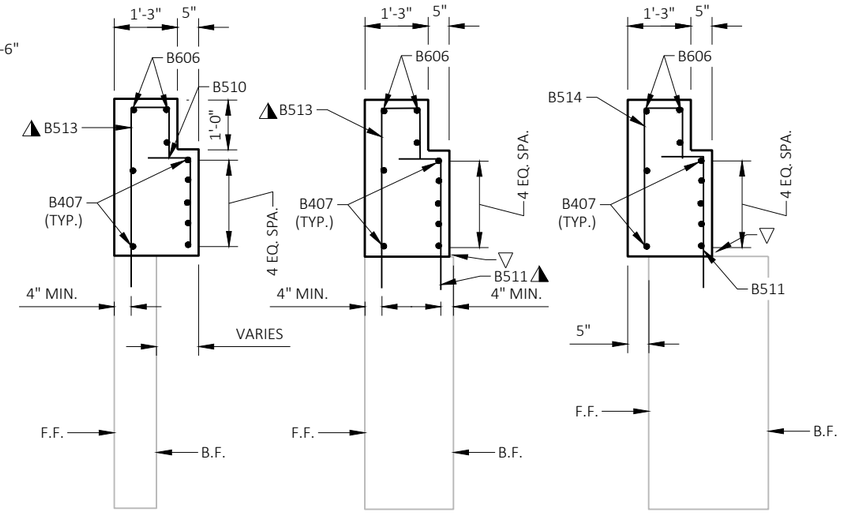
NOTES:
BAR DIMENSIONS ARE OUT TO OUT OF BAR. THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE.

TRIM B503 BARS IN THE FIELD OR INCREASE ANCHOR EMBEDMENT DEPTH TO PROVIDE REQUIRED CLEARANCE TO TOP OF CAP.

TRIM B509 BARS IN THE FIELD TO PROVIDE REQUIRED CLEARANCE TO FACE OF WING.

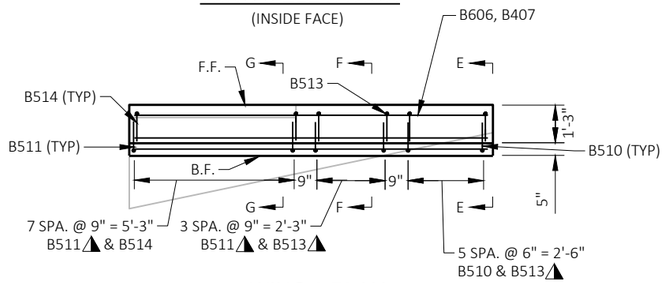


WING 3 ELEVATION



SECTION E-E SECTION F-F SECTION G-G

WING 3 SECTION VIEWS



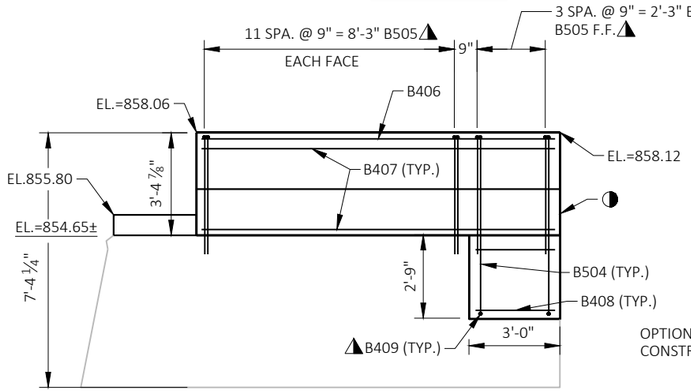
WING 3 PLAN

LEGEND

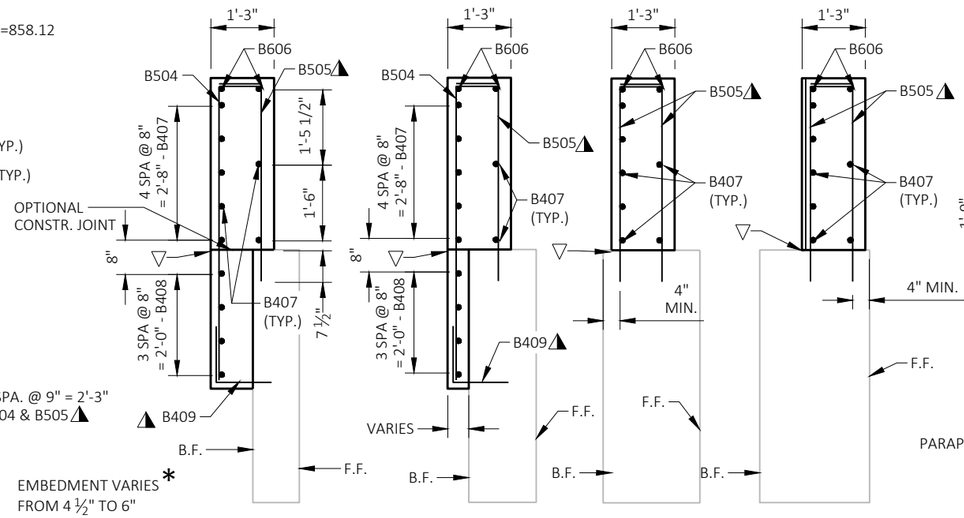
◭ ADHESIVE ANCHORS NO. 4 BAR (EMBED 4 ½" MIN.) OR NO. 5 BAR. (EMBED 7 ½" MIN.). CONCRETE ANCHORS SHALL BE APPROVED FOR USE IN CRACKED CONCRETE.

▽ 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

◐ ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE) EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

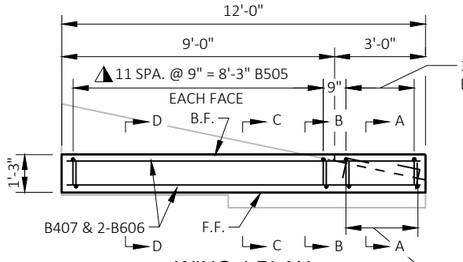


WING 4 ELEVATION

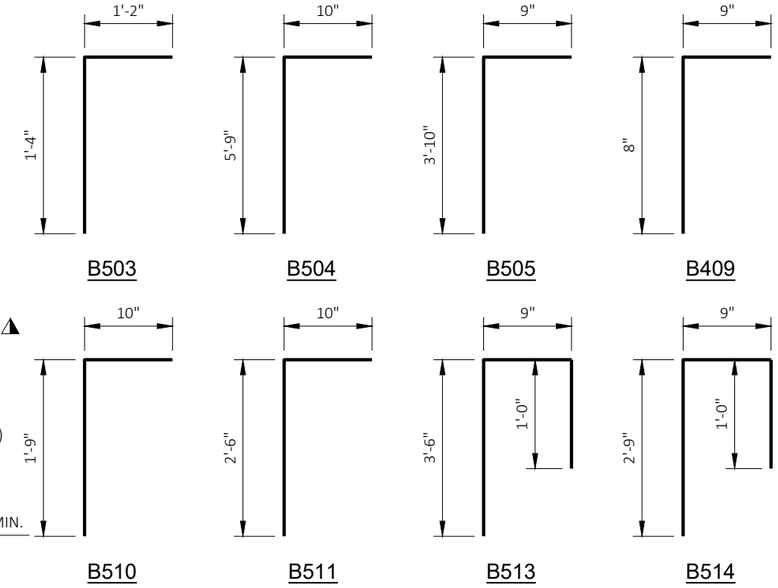


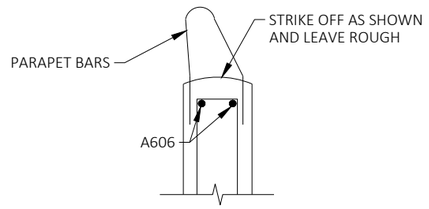
SECTION A-A SECTION B-B SECTION C-C SECTION D-D

WING 4 SECTION VIEWS



WING 4 PLAN





TOP OF WING DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-439

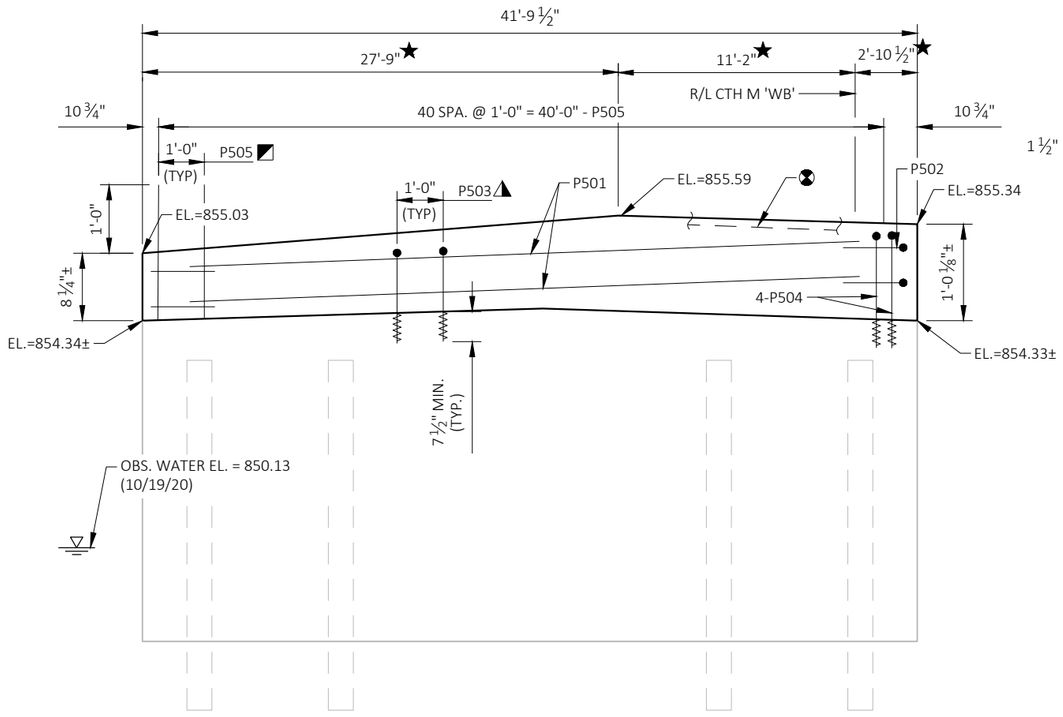
DRAWN BY STD | PLANS CK'D. CDH

EAST ABUTMENT DETAILS

SHEET 8 OF 15
764

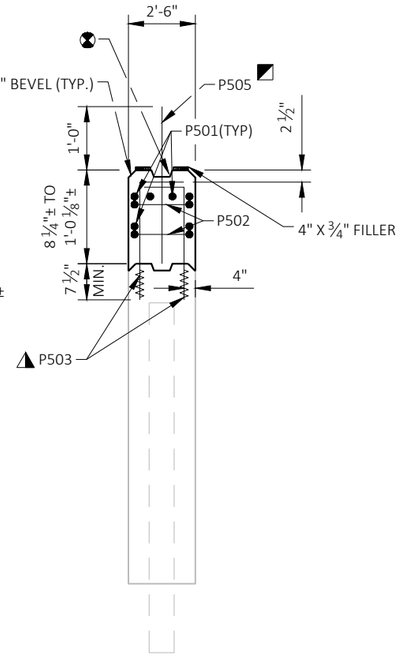
STATE PROJECT NUMBER

5954-00-01

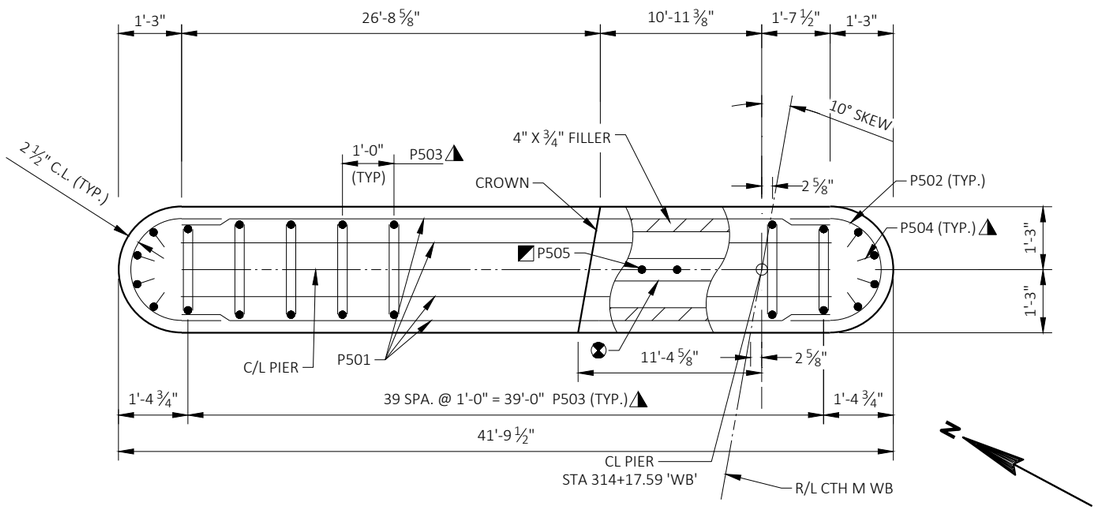


ELEVATION

(LOOKING EAST)



END VIEW



PLAN

BILL OF BARS

UNCOATED TOTAL = 540 LBS

COATED TOTAL = 90 LBS

BAR MARK	NO. REQ'D	LENGTH	BENT	COAT	LOCATION
P501	6	39'-2"			CAP - HORIZONTAL - E.F. & TOP
P502	4	6'-1"	X		CAP - HORIZONTAL - ENDS
◭ P503	80	3'-0"	X		CAP - VERTICAL ANCHOR
◭ P504	8	2'-0"	X		CAP - VERTICAL ANCHOR - ENDS
P505	41	2'-0"		X	CAP - VERTICAL DOWEL

NOTES:

BAR DIMENSIONS ARE OUT TO OUT OF BAR. THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE.

TRIM P503 AND P504 BARS IN THE FIELD OR INCREASE ANCHOR EMBEDMENT DEPTH TO PROVIDE REQUIRED CLEARANCE TO TOP OF CAP.

DIMENSIONS BASED ON EXISTING PLAN DETAILS AND SURVEY INFORMATION. SOME DIMENSIONS MAY VARY IN THE FIELD.

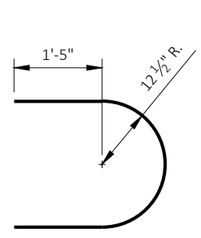
LEGEND

◭ ADHESIVE ANCHORS NO. 5 BAR. EMBEDDED 7 ½" MIN. CONCRETE. ANCHORS SHALL BE APPROVED FOR USE IN CRACKED CONCRETE.

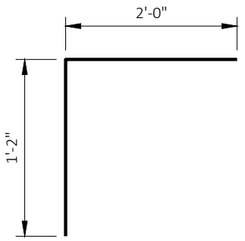
⊗ KEYED CONSTRUCTION JOINT FORMED BY A BEVELED 2" X 6". STOP 6" FROM END OF PIER.

◩ P505 BARS MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE.

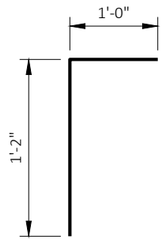
★ DIMENSIONS ARE TAKEN ALONG C/L PIER.



P502



P503



P504

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-439

DRAWN BY STD | PLANS CK'D. CDH

PIER

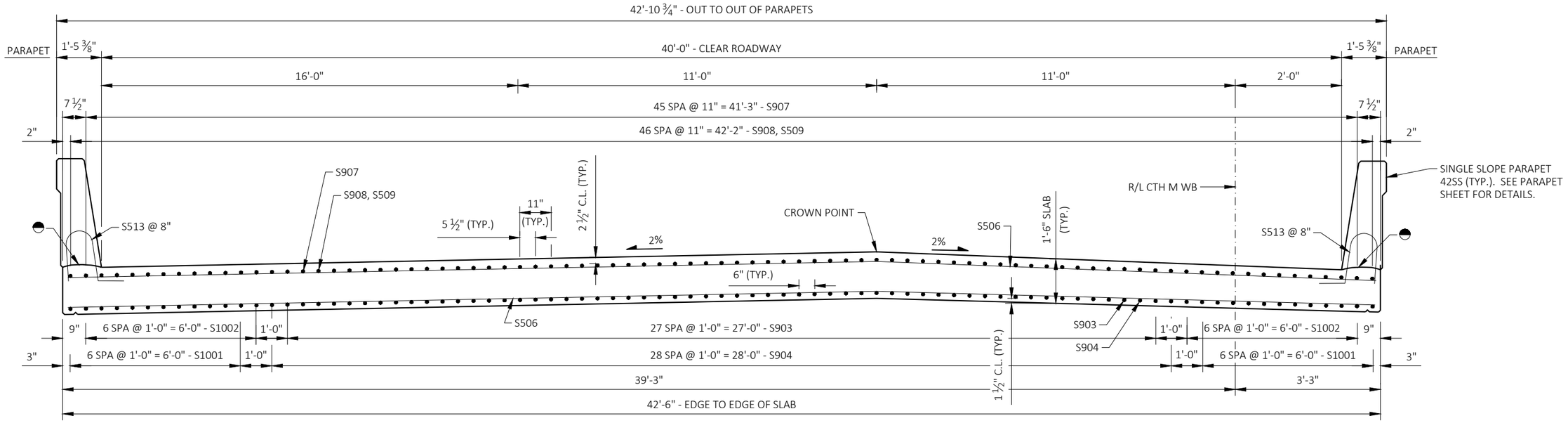
SHEET 9 OF 15

765

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\STRUCTURE CAD\B-13-439\080309-PR.DWG PLOT DATE : 3/6/2023 2:41 PM PLOT BY : KL ENGINEERING

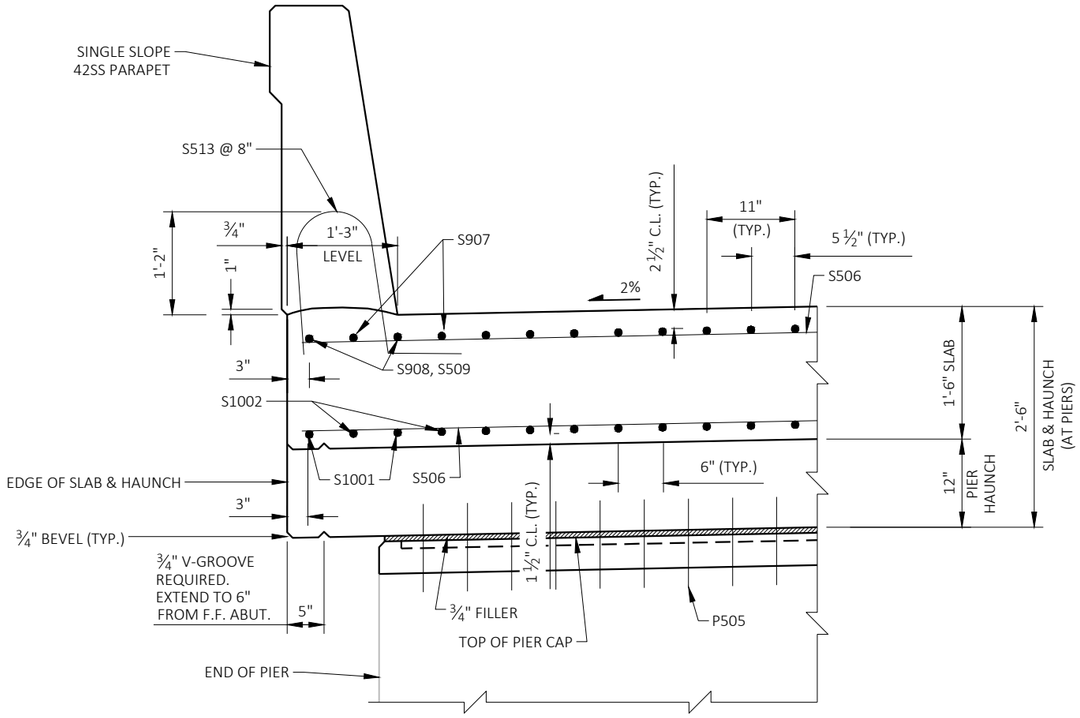
STATE PROJECT NUMBER

5954-00-01



TYPICAL CROSS SECTION THRU BRIDGE LOOKING EAST

(SHOWING IN-SPAN REINFORCEMENT)



EDGE OF SLAB DETAIL

(TYP. @ BOTH SIDES)

LEGEND

HORIZ. CONSTRUCTION JOINT:
STRIKE OFF AND LEAVE ROUGH AS SHOWN.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-439

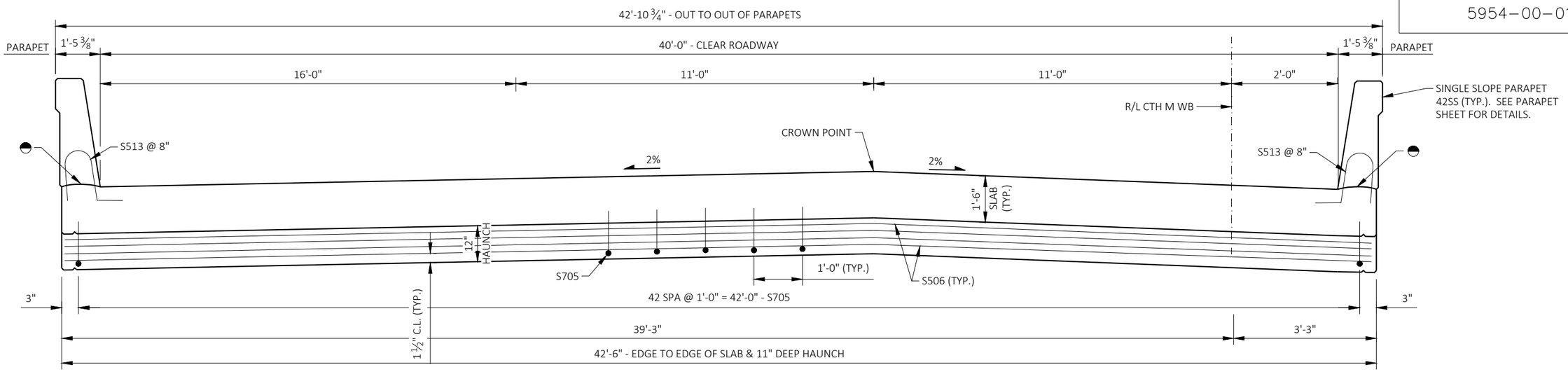
DRAWN BY STD | PLANS CK'D. CDH

SUPERSTRUCTURE CROSS SECTIONS 1

SHEET 10 OF 15

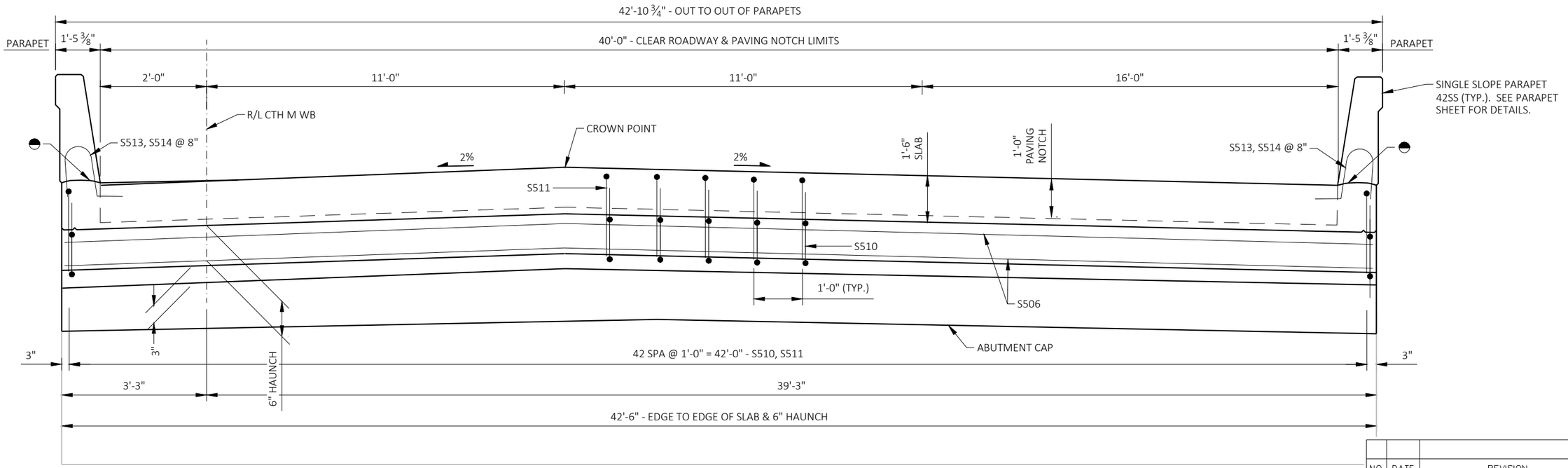
766

STATE PROJECT NUMBER
5954-00-01



CROSS SECTION THRU BRIDGE AT PIER LOOKING EAST

(SHOWING IN-SPAN REINFORCEMENT)



CROSS SECTION THRU BRIDGE AT ABUTMENTS

(WEST ABUTMENT SHOWN (LOOKING WEST) EAST ABUTMENT SIMILAR - SLAB REINFORCEMENT NOT SHOWN)

LEGEND

- HORIZ. CONSTRUCTION JOINT: STRIKE OFF AND LEAVE ROUGH AS SHOWN.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

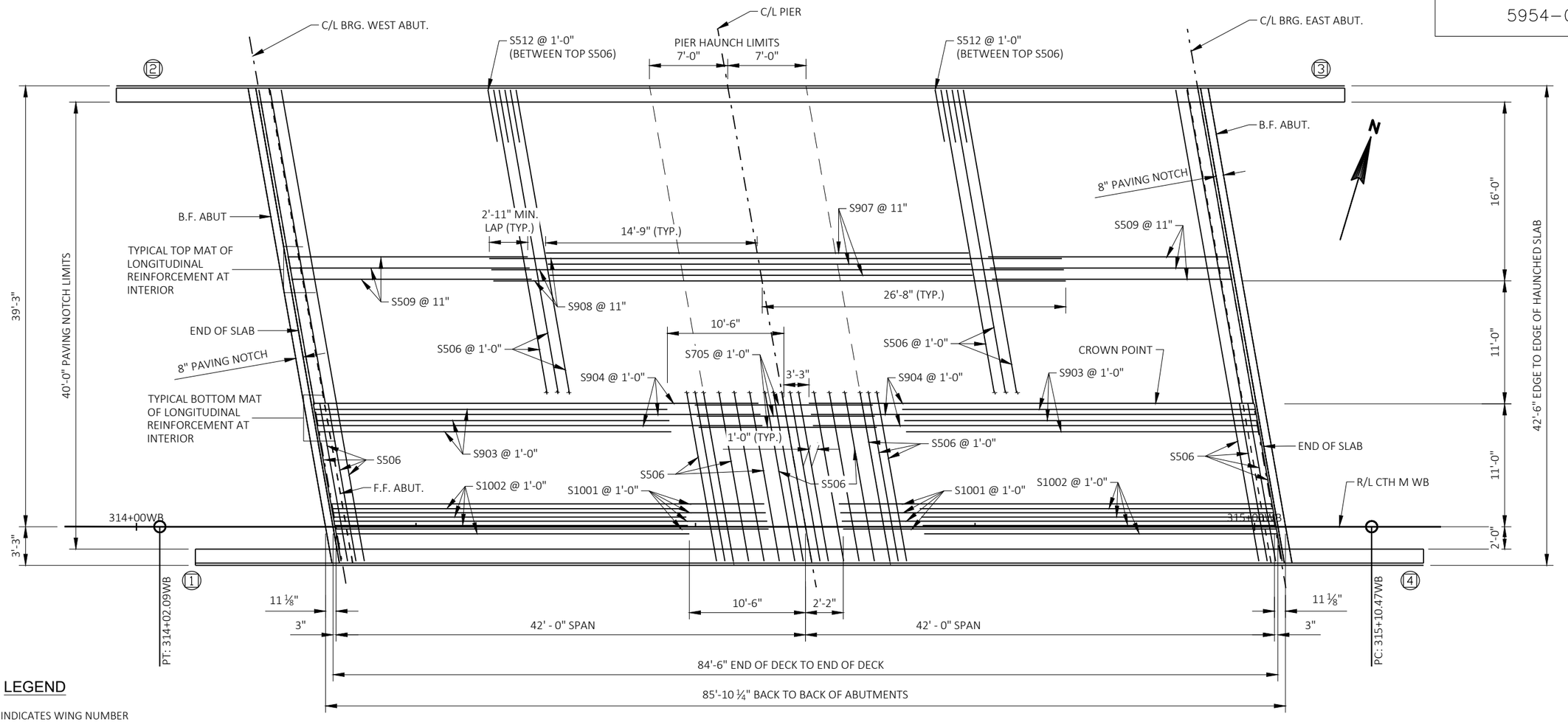
STRUCTURE B-13-439

DRAWN BY STD | PLANS CK'D. CDH

SUPERSTRUCTURE CROSS SECTIONS 2

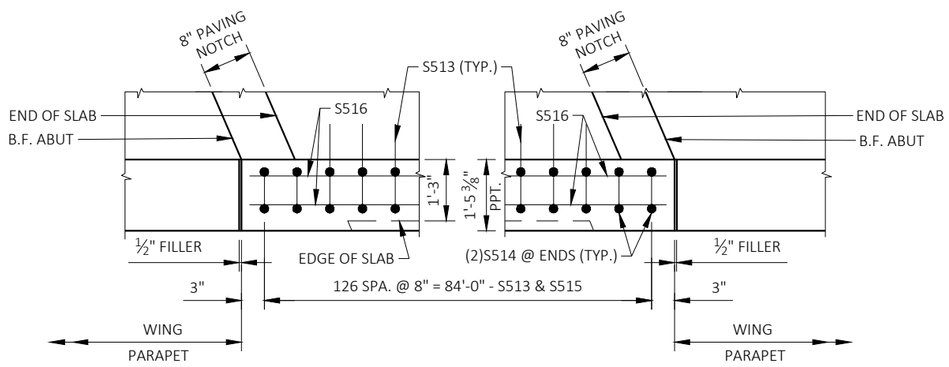
SHEET 11 OF 15
767

STATE PROJECT NUMBER
5954-00-01



LEGEND

(1) INDICATES WING NUMBER



PARTIAL PLAN OF PARAPET REINFORCEMENT

(TYP. @ BOTH SIDES)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-439

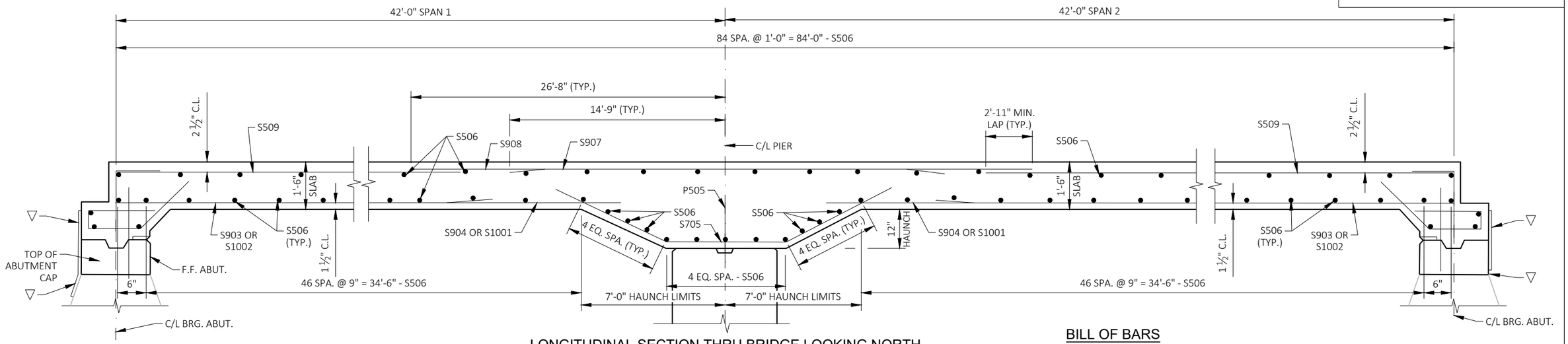
DRAWN BY STD | PLANS CK'D. CDH

SUPERSTRUCTURE PLAN

SHEET 12 OF 15
768

STATE PROJECT NUMBER

5954-00-01



LONGITUDINAL SECTION THRU BRIDGE LOOKING NORTH

ALL HORIZONTAL DIMENSIONS ARE TAKEN PARALLEL TO THE R/L CTH M 'WB'
ALL LONGITUDINAL BARS ARE PLACED PARALLEL TO THE R/L CTH M 'WB'
ALL TRANSVERSE BARS ARE PLACED PARALLEL TO C/L SUBSTRUCTURES

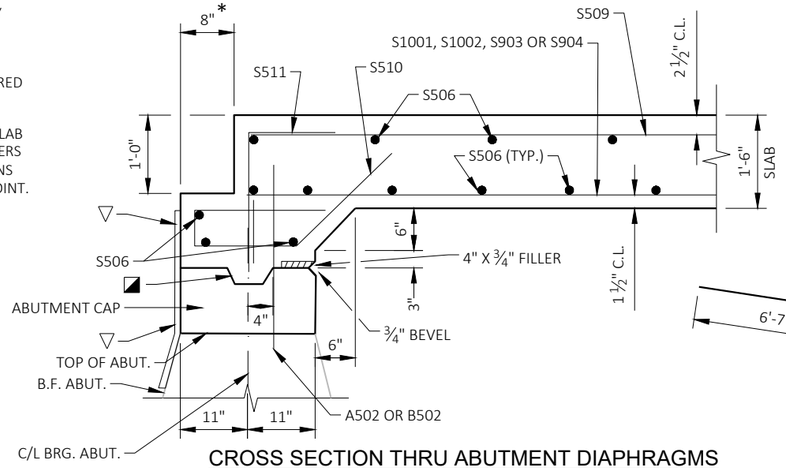
NOTES

TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROX. 3'-0" CENTERS EACH WAY. BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROX. 4'-0" CENTERS.

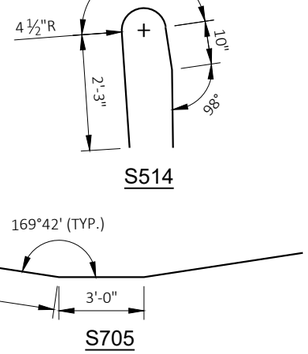
ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

PARAPETS PLACED ON TOP OF THE SLAB SHALL BE POURED AFTER FALSEWORK HAS BEEN RELEASED.

PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF SLAB ELEVATIONS AT THE C/L OF ABUTMENTS, THE C/L OF PIERS AND AT 5/10 PTS. TO VERIFY CAMBER. TAKE ELEVATIONS ALONG GUTTER LINES, R/L CTH M 'WB' AND CROWN POINT.



CROSS SECTION THRU ABUTMENT DIAPHRAGMS



BILL OF BARS FOR SUPERSTRUCTURE

COATED TOTAL = 52,640 LBS

BAR MARK	NO. REQ'D.	LENGTH	COAT	BENT	LOCATION
S1001	28	39'-11"	X		SLAB - BOT - LONGIT. - EXTERIOR
S1002	28	31'-7"	X		SLAB - BOT - LONGIT. - EXTERIOR
S903	56	31'-7"	X		SLAB - BOT - LONGIT. - INTERIOR
S904	58	38'-10"	X		SLAB - BOT - LONGIT. - INTERIOR
S705	43	16'-2"	X	X	SLAB - PIER HAUNCH - BOT. - L ONGIT.
S506	198	42'-10"	X		SLAB - TRANSVERSE
S907	46	29'-6"	X		SLAB - TOP - LONGIT.
S908	47	53'-4"	X		SLAB - TOP - LONGIT.
S509	47	18'-4"	X		SLAB - TOP - LONGIT.
S510	86	5'-5"	X	X	ABUT. - HAUNCHES - VERT.
S511	86	3'-1"	X	X	ABUT. - HAUNCHES - VERT.
S512	170	5'-0"	X		SLAB - TOP - TRANSVESE @ PARAPETS
S513	246	4'-5"	X	X	PARAPETS - SLAB - VERT.
S514	8	5'-10"	X	X	PARAPETS - SLAB - VERT.
S515	254	6'-8"	X	X	PARAPETS - VERT.
S516	32	43'-4"	X		PARAPETS - LONGIT.

NOTE:
THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

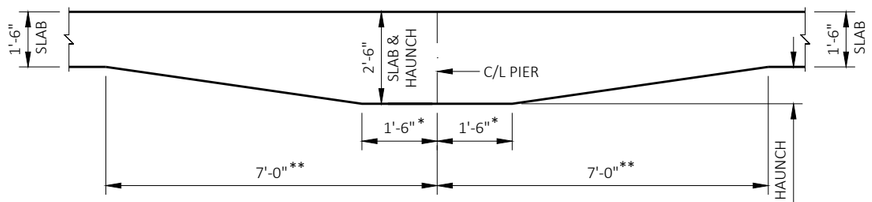
LEGEND

* DIMENSION IS TAKEN PERPENDICULAR TO C/L SUBSTRUCTURES

** DIMENSION IS TAKEN PARALLEL TO R/L CTH M 'WB'. BARS PLACED PARALLEL TO R/L CTH M 'WB' & SPACED PERPENDICULAR TO R/L CTH M 'WB'.

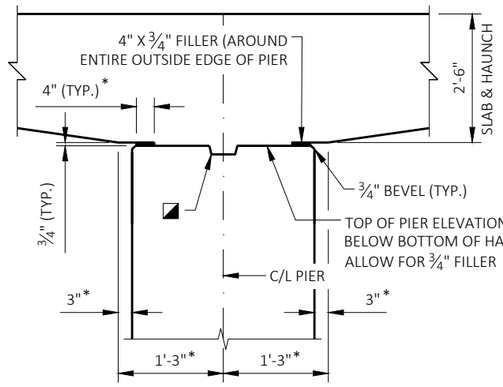
▽ 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORZ. & VERT. JOINTS AT BACKFACE.

◪ KEYED CONSTRUCTION JOINT - FORMED BY BEVELED 2" X 6".

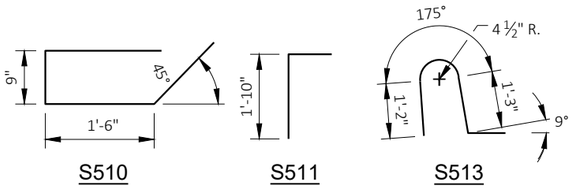


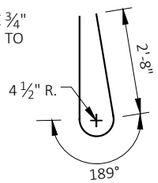
PART LONGITUDINAL SLAB & HAUNCH SECTION AT PIERS LOOKING AT OUTSIDE FACE

(STEEL REINFORCEMENT NOT SHOWN)



DETAIL AT PIER





NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-439

DRAWN BY STD | PLANS CK'D. CDH

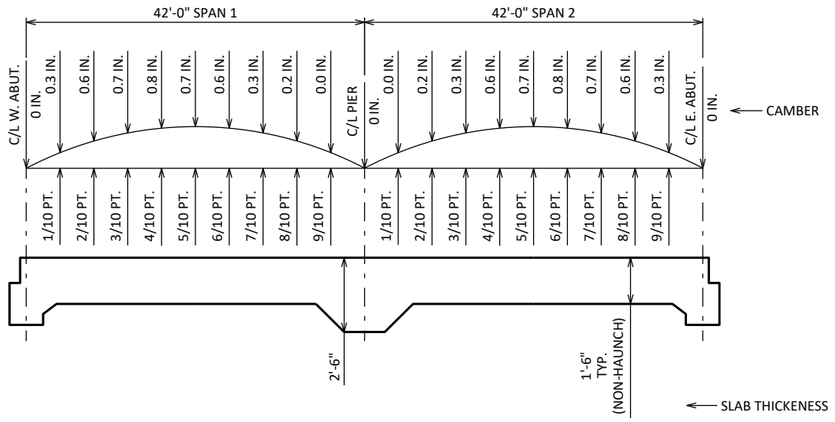
SUPERSTRUCTURE DETAILS

SHEET 13 OF 15

769

STATE PROJECT NUMBER

5954-00-01



CAMBER AND SLAB THICKNESS DIAGRAM

CAMBER SHOWN IS BASED ON 3 TIMES DEAD LOAD DEFLECTIONS. CAMBER SPANS AS SHOWN TO PROVIDE FOR DEAD LOAD DEFLECTION AND FUTURE CREEP. CAMBER DOES NOT INCLUDE ALLOWANCE FOR FORM SETTLEMENT.
PARAPETS, SIDEWALKS AND MEDIANS PLACED ON TOP OF THE SLAB SHALL BE POURED AFTER FALSEWORK HAS BEEN RELEASED, EXCEPT FOR STAGED CONSTRUCTION.

TO DETERMINE FALSEWORK ELEVATION AT EDGE OF SLAB, CROWN OR REFERENCE LINE FOLLOW THIS PROCEDURE:

	TOP OF SLAB ELEVATION AT FINAL GRADE
LESS	SLAB THICKNESS
PLUS	CAMBER
PLUS	FORM SETTLEMENT/DEFLECTION DUE TO PLACEMENT OF SLAB CONCRETE (TO BE COMPUTED BY THE CONTRACTOR)
EQUALS	TOP OF SLAB FALSEWORK ELEVATION

TOP OF SLAB ELEVATIONS

	W. ABUT	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	CL PIER
NORTH EOD	857.32	857.34	857.36	857.38	857.40	857.43	857.45	857.47	857.49	857.51	857.53
CROWN	857.88	857.90	857.92	857.94	857.96	857.99	858.01	858.03	858.05	858.07	858.09
RL	857.67	857.69	857.71	857.73	857.75	857.78	857.80	857.82	857.84	857.86	857.88
SOUTH EOD	857.63	857.65	857.67	857.69	857.71	857.74	857.76	857.78	857.80	857.82	857.84
	CL PIER	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	E. ABUT
NORTH EOD	857.53	857.55	857.57	857.59	857.61	857.64	857.66	857.68	857.70	857.72	857.74
CROWN	858.09	858.11	858.13	858.15	858.17	858.20	858.22	858.24	858.26	858.28	858.30
RL	857.88	857.90	857.92	857.94	857.96	857.99	858.01	858.03	858.05	858.07	858.09
SOUTH EOD	857.84	857.86	857.88	857.90	857.92	857.95	857.97	857.99	858.01	858.03	858.05

SURVEY TOP OF SLAB ELEVATIONS

LOCATION	ABUTMENT	5/10 PT.	PIER	5/10 PT.	ABUTMENT
N. GUTTER					
R/L					
CROWN					
S. GUTTER					

PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF SLAB ELEVATIONS AT THE C/L OF ABUTMENTS, THE C/L OF PIERS AND AT 5/10 PTS. TO VERIFY CAMBER. TAKE ELEVATIONS ALONG GUTTER LINES, CROWN AND R/L. RECORD THE ELEVATIONS IN THE ABOVE TABLE FOR THE "AS BUILT" PLANS.

NOTES

FILL IN THE TABLE OF "SURVEY TOP OF SLAB ELEVATIONS" FOR EACH SPAN ON AS BUILT PLANS.

TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-0" CENTERS EACH WAY. BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY 4'-0" CENTERS.

ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-439

DRAWN BY STD | PLANS CK'D CDH

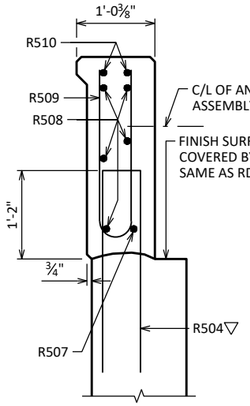
SLAB CAMBER

SHEET 14 OF 15
770

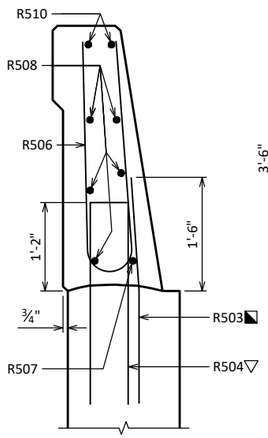
SCALE = 2.25

8

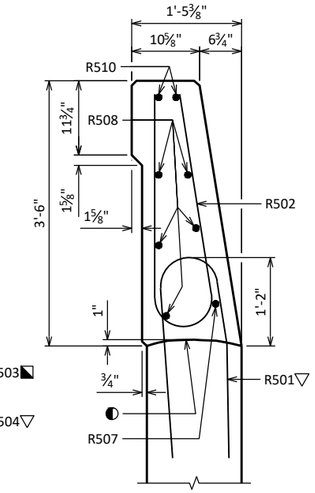
8



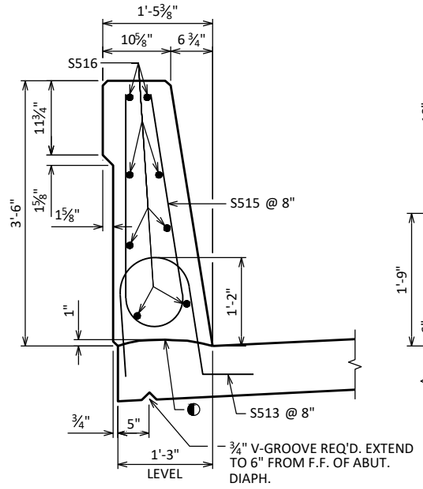
SECTION A-A



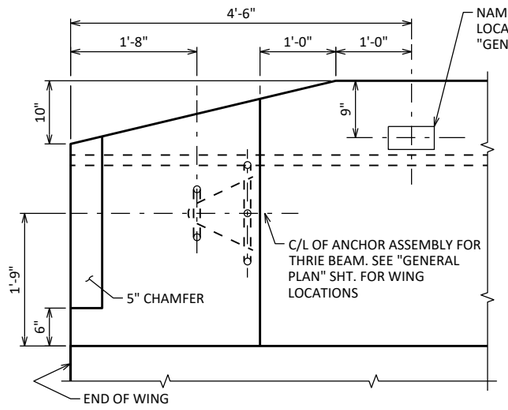
SECTION B-B



SECTION C-C



SECTION THRU PARAPET ON DECK



PARAPET END TREATMENT DETAIL

LOOKING AT INSIDE FACE OF PARAPET

STATE PROJECT NUMBER

5954-00-01

BILL OF BARS

FOR WING PARAPETS

COATED TOTAL = 1,670 LBS

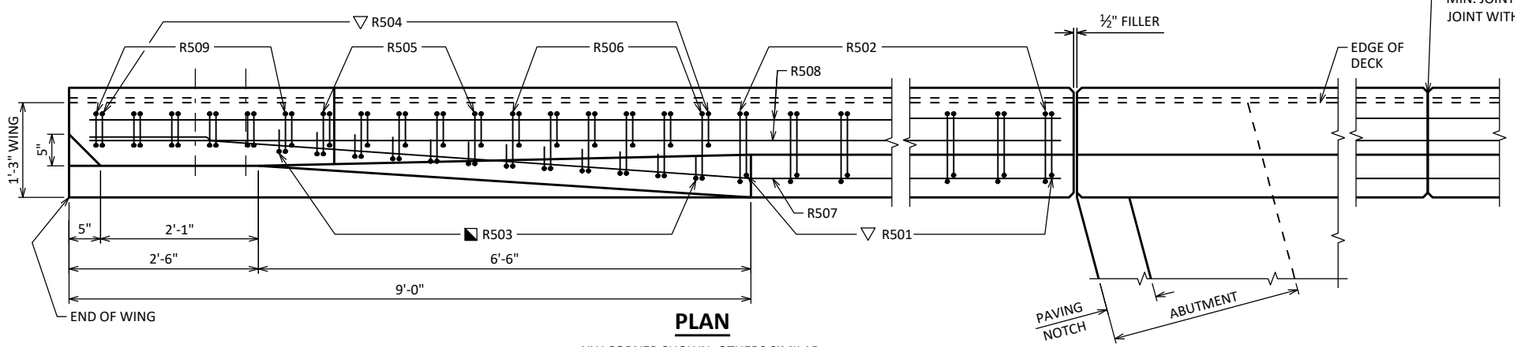
BAR MARK	COAT	W. ABUT	E. ABUT	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	12	12	5'-10"	X		PARAPET VERT.
R502	X	12	12	6'-8"	X		PARAPET VERT.
R503	X	22	22	3'-0"	X		PARAPET VERT.
R504	X	34	34	5'-7"	X		PARAPET VERT.
R505	X	10	10	6'-5"	X		PARAPET VERT.
R506	X	12	12	6'-6"	X		PARAPET VERT.
R507	X	2	2	11'-8"	X		PARAPET HORIZ.
R508	X	10	10	11'-8"			PARAPET HORIZ.
R509	X	12	12	5'-5"	X	⚠	PARAPET VERT.
R510	X	4	4	11'-8"	X		PARAPET HORIZ.

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

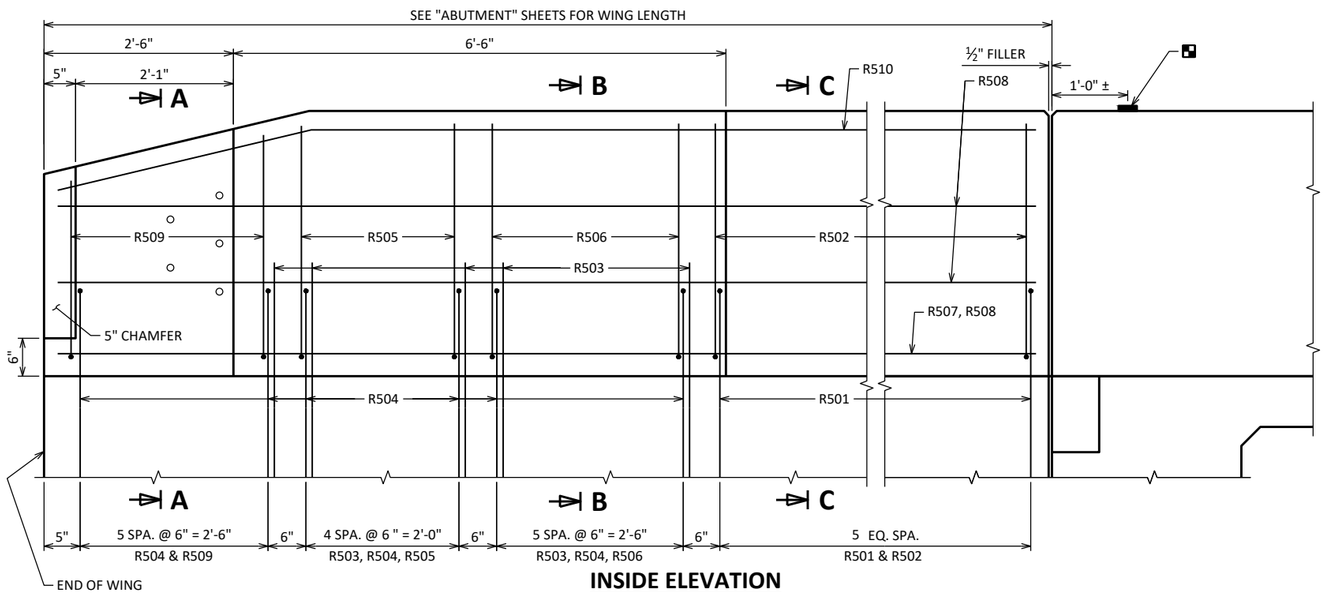
BUNDLE AND TAG EACH SERIES SEPARATELY.

BAR MARK	NO. REQ'D.	LENGTH
R509	4 SERIES OF 6	4'-9" TO 6'-1"



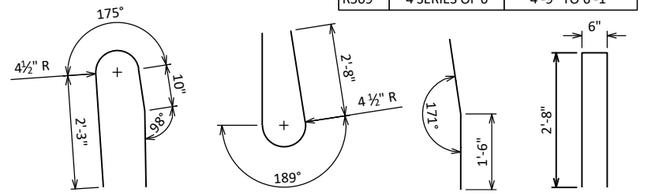
PLAN

NW CORNER SHOWN, OTHERS SIMILAR

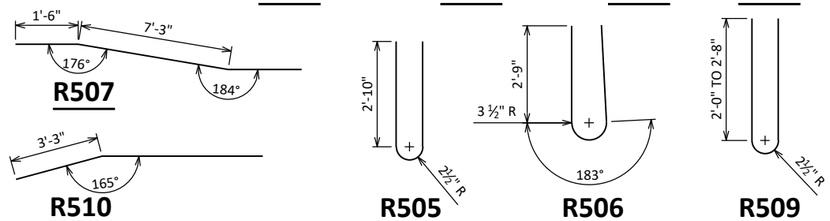


INSIDE ELEVATION

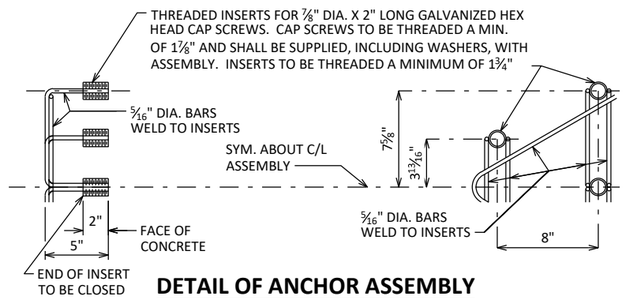
NW CORNER SHOWN, OTHERS SIMILAR



R501 R502 R503 R504



⚫ BENCH MARK CAP (WHEN SUPPLIED). AVOID PLACING A BENCH MARK CAP BELOW A RAIL OR FENCE SYSTEM THAT IS ATTACHED TO THE TOP OF THE PARAPET.



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

◐ CONST. JOINT - STRIKE OFF AS SHOWN

◪ R503 BARS MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. USE CARE TO PLACE R503 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

▽ R501 AND R504 BARS TO BE TIED TO WING STEEL BEFORE WING IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-439

DRAWN BY STD | PLANS CK'D CDH

SINGLE SLOPE PARAPET 42SS

SHEET 15 OF 15

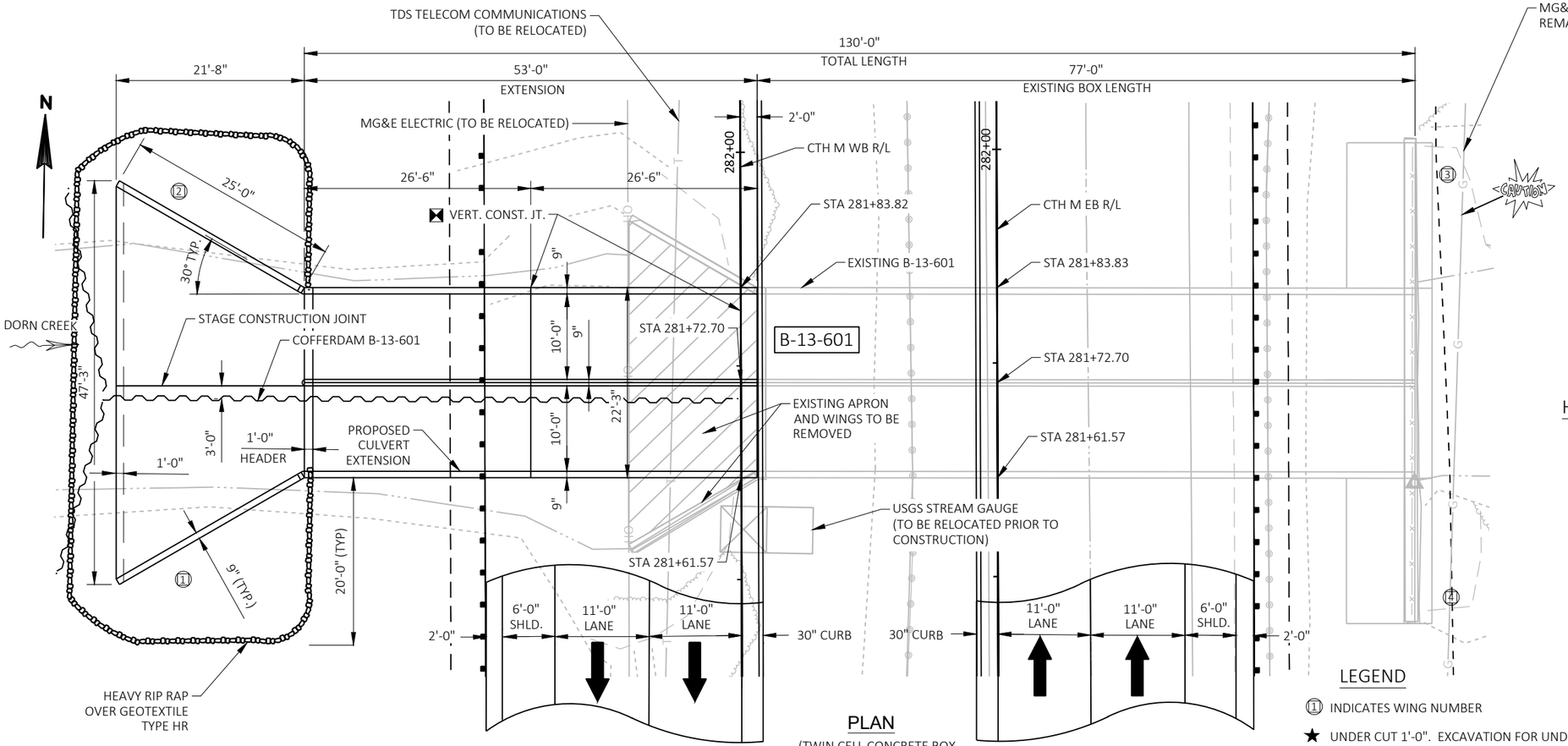
771

SCALE = 2.00

8

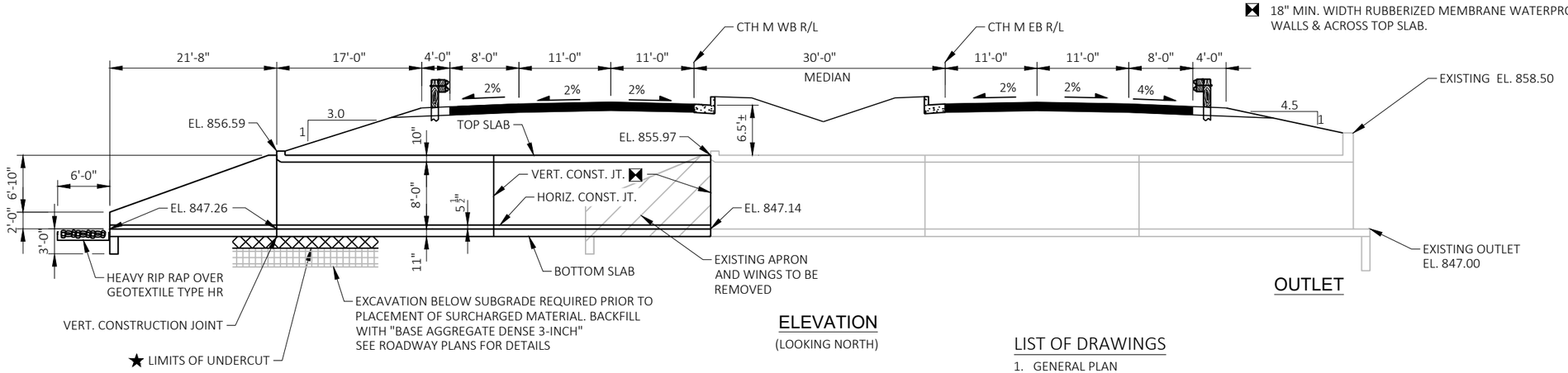
8

STATE PROJECT NUMBER
5954-00-01



PLAN

(TWIN CELL CONCRETE BOX CULVERT EXTENSION)



ELEVATION

(LOOKING NORTH)

INLET

OUTLET

DESIGN DATA - PROPOSED STRUCTURE

LIVE LOAD:
DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.20
OPERATING RATING FACTOR: RF = 1.55
WISCONSIN STANDARD PERMIT VEHICLE (Wis-SPV) = 205 KIPS

EXISTING STRUCTURE
TAKEN FROM HSI, 01/25/2023
INVENTORY RATING: HS = 20
OPERATING RATING: HS = 33
WISCONSIN STANDARD PERMIT VEHICLE (Wis-SPV) = 190 KIPS

EARTHLOAD:
DESIGNED FOR 5.5 TO 6.5 FT. OF FILL

MATERIAL PROPERTIES:
CONCRETE MASONRY CULVERTS .....f'c = 3,500 P.S.I.
BAR STEEL REINFORCEMENT HIGH STRENGTH.....f'y = 60,000 P.S.I.

HYDRAULIC DATA

100 YEAR FREQUENCY
Q_{100} = 701 C.F.S.
VEL. = 5.0 F.P.S.
H.W. = ELEV. 854.70
WATERWAY AREA = 150 SQ. FT.
DRAINAGE AREA = 12.6 SQ. MI.
ROAD OVERTOPPING = N/A
SCOUR CRITICAL CODE = 8

2 YEAR FREQUENCY
Q_2 = 200 C.F.S.
$H.W._2$ = ELEV. 852.52
VEL. = 2.0 FT/S

TRAFFIC DATA

CTH M
A.A.D.T. = 11,560 (2025)
A.A.D.T. = 15,400 (2045)
RDS = 45 MPH

LEGEND

① INDICATES WING NUMBER

★ UNDER CUT 1'-0". EXCAVATION FOR UNDERCUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE "GEOTEXTILE TYPE C" AND BACKFILL WITH "BASE AGGREGATE DENSE 1-1/4 INCH".

18" MIN. WIDTH RUBBERIZED MEMBRANE WATERPROOFING UP WALLS & ACROSS TOP SLAB.

WISCONSIN PROFESSIONAL ENGINEER
CHAD D. HALVERSON
E-34364
MADISON, WI

April 6, 2023

LIST OF DRAWINGS

1. GENERAL PLAN
2. GENERAL NOTES AND TYPICAL SECTION
3. SUBSURFACE EXPLORATION
4. BOX DETAILS
5. APRON DETAILS
6. BOX & WING DETAILS
7. BILL OF BARS & BOX DETAILS

STRUCTURE DESIGN CONTACTS
BUREAU OF STRUCTURES:
AARON BONK (608) 261-0261
CONSULTANT:
CHAD HALVERSON (608) 663-1218

NO.	DATE	REVISION	BY

KL Engineering [A] Better Experience

ACCEPTED SDR 05/03/23
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-13-601

CTH M OVER DORN CREEK

COUNTY	TOWN ~~CITY/VILLAGE~~
DANE	WESTPORT

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
CAH	CDH	STD	CDH

GENERAL PLAN

SHEET 1 OF 7
772

8

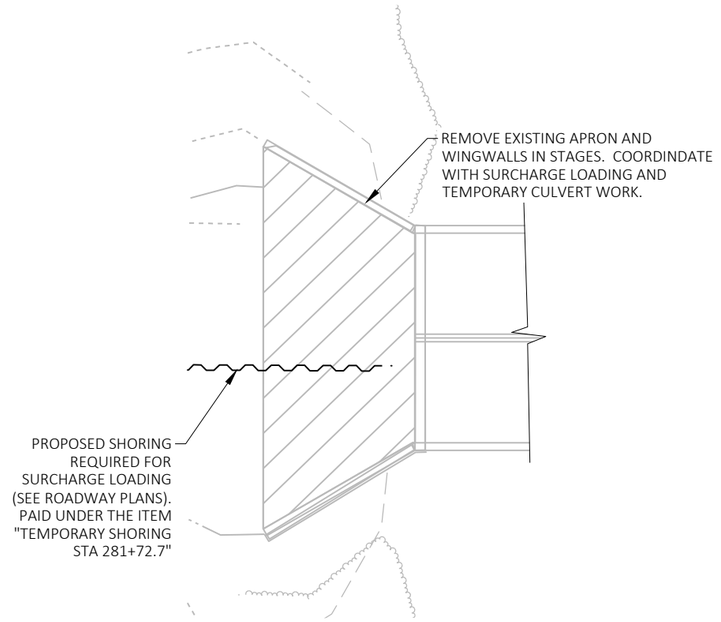
8

STATE PROJECT NUMBER

5954-00-01

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL
203.0220	REMOVING STRUCTURE B-13-601	EACH	1
206.2001	EXCAVATION FOR STRUCTURES CULVERTS B-13-601	EACH	1
206.5001	COFFERDAMS B-13-601	EACH	1
210.2500	BACKFILL STRUCTURE TYPE B	TON	1,070
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	160
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH	73
504.0100	CONCRETE MASONRY CULVERTS	CY	147
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	16,080
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1,350
505.0904	BAR COUPLERS NO. 4	EACH	27
505.0905	BAR COUPLERS NO. 5	EACH	356
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	26
606.0300	RIPRAP HEAVY	CY	71
645.0105	GEOTEXTILE TYPE C	SY	290
645.0120	GEOTEXTILE TYPE HR	SY	77
	NON-BID ITEMS		
	FILLER	SIZE	3/4"



EXISTING APRON REMOVAL DETAIL

(SEE ROADWAY PLANS "CONSTRUCTION DETAIL - B-13-601 EXTENSION STAGING)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

UPPER LIMITS OF EXCAVATION FOR THE CULVERT SHALL BE THE GRADED SURFACE AFTER REMOVAL OF TEMPORARY PIPES. (SEE ROADWAY PLANS FOR DETAILS)

UTILIZE EXISTING BAR STEEL REINFORCEMENTS WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

WITHIN THE LENGTH OF THE BOX ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TO THE ELEVATION AND SECTION SHOWN IN THE DETAIL WITHIN THE LENGTH OF THE CULVERT.

THE BACKFILL QUANTITIES ARE BASED ON THE PAY LIMITS SHOWN ON THE PLANS AND MAY NOT REFLECT ACTUAL PLACED QUANTITIES. "BACKFILL STRUCTURE TYPE B" REQUIRED ON THE BOX CULVERT SIDES AND BEHIND THE APRON WINGS FOR 3 FEET. BACKFILL PLACED BEYOND PAY LIMITS OR EXCEEDING PLAN QUANTITIES SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES.

THE SLOPE AROUND THE WINGS AND IN FRONT OF THE APRON SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE HR TO THE EXTENT SHOWN ON SHEET 1.

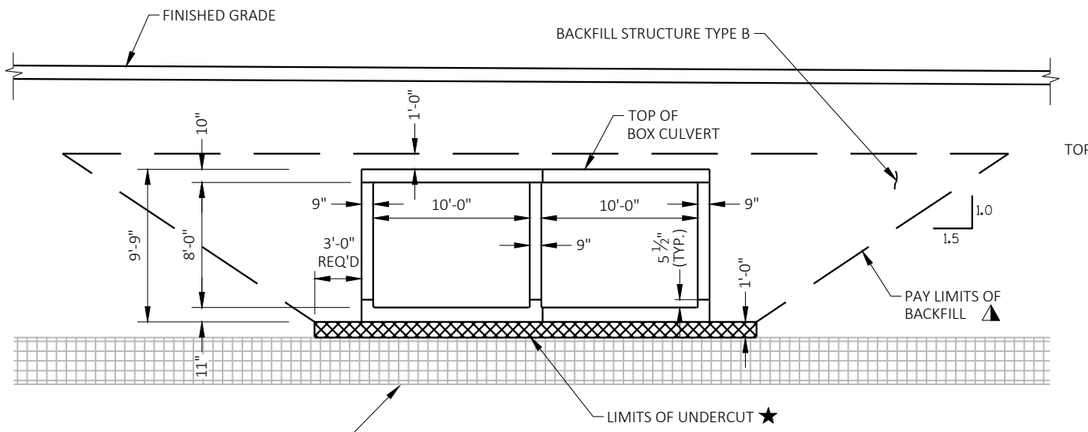
THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

THE ALTERNATE CUTOFF WALL MAY BE USED IN LIEU OF THE CAST-IN-PLACE CONCRETE CUTOFF WALLS. PAYMENT SHALL BE BASED ON THE CONCRETE CUTOFF WALLS.

ALL CONCRETE REMOVAL LIMITS SHALL BE DEFINED BY A 1-INCH DEEP SAW CUT.

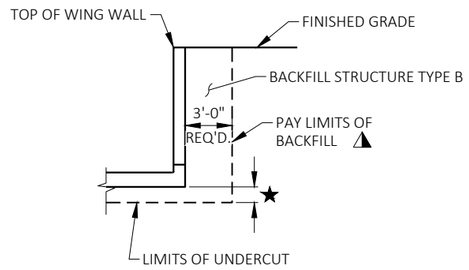
THE USE OF PRECAST ELEMENTS SHALL NOT BE ALLOWED.

IN LIEU OF CONST. JOINTS IN BOTTOM SLAB, THE CONTRACTOR MAY PROVIDE 2" DEEP SAW CUTS WITHIN 12 HOURS AFTER POURING.

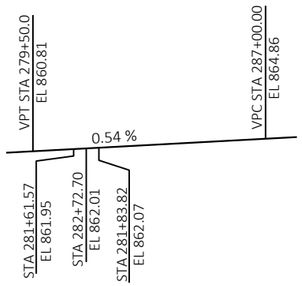


EXISTING AND PROPOSED TYPICAL SECTION THRU BOX

(LOOKING EAST)

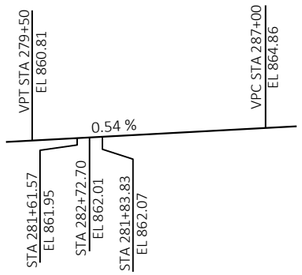


TYPICAL SECTION THRU BOX CULVERT WINGWALL



PROFILE GRADE LINE

(CTH M WB)



PROFILE GRADE LINE

(CTH M EB)

LEGEND

◭ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

★ UNDER CUT 1'-0". EXCAVATION FOR UNDERCUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE "GEOTEXTILE TYPE C" AND BACKFILL WITH "BASE AGGREGATE DENSE 1-1/4 INCH".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-601

DRAWN BY STD | PLANS CK'D. CDH

GENERAL NOTES AND TYPICAL SECTION

SHEET 2 OF 7

773

8

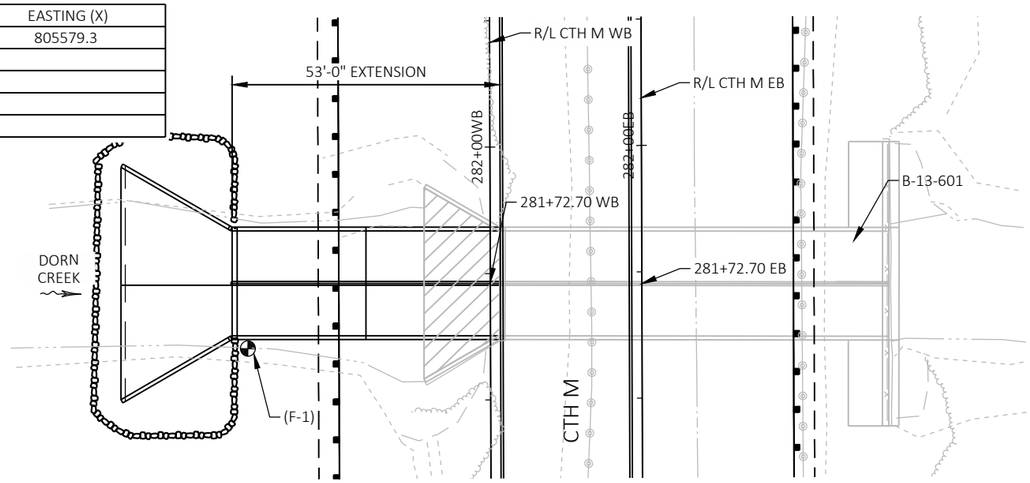
8

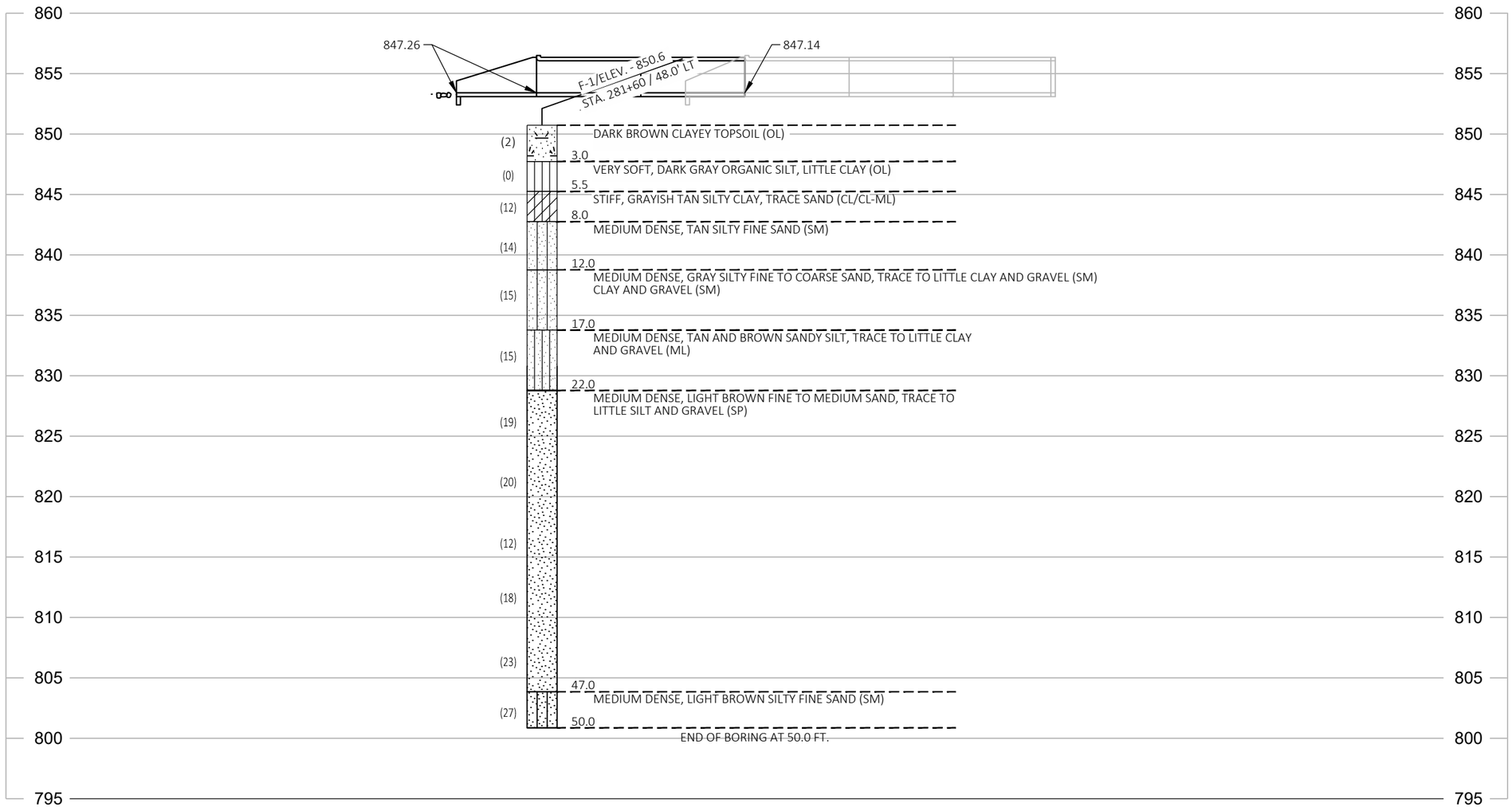
BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
F-1	11/02/2020	506705.4	805579.3

BORINGS COMPLETED BY: BADGER STATE DRILLING

REPORT COMPLETED BY: CGC, INC.

ALL COORDINATES REFERENCED TO WCCS NAD DANE COUNTY





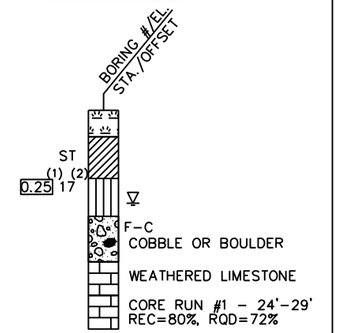
STATE PROJECT NUMBER

5954-00-01

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (unknown)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-601

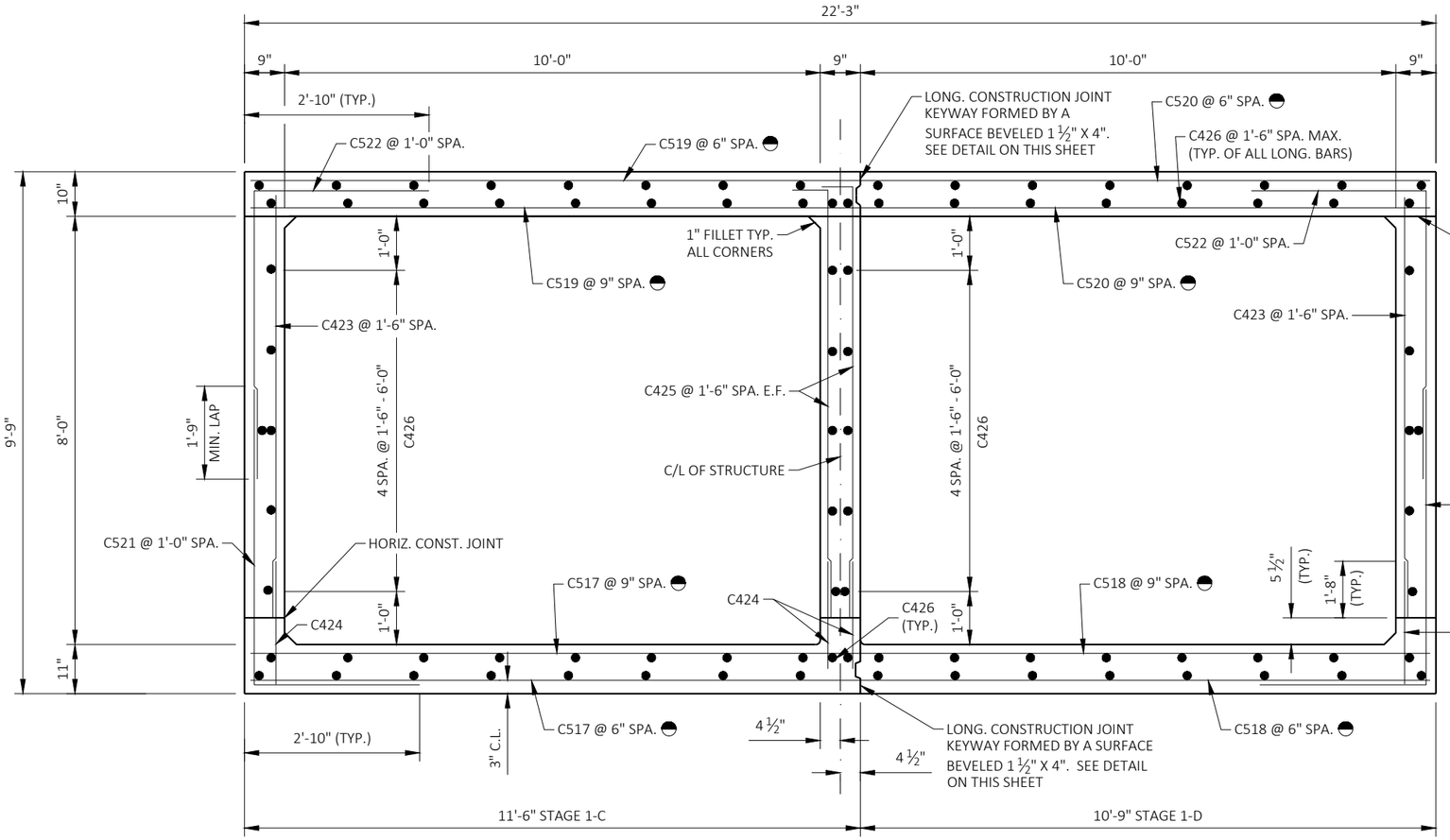
DRAWN BY	STD	PLANS CK'D.	CDH

SUBSURFACE EXPLORATION

SHEET: 3 OF 7
774

STATE PROJECT NUMBER

5954-00-01



TYPICAL SECTION THRU BOX

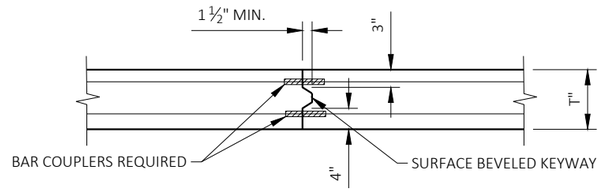
(LOOKING EAST)

NOTES

ALL LONGITUDINAL BARS IN BOX ARE C426 UNLESS SHOWN OTHERWISE.

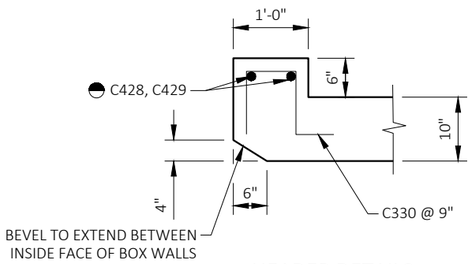
LEGEND

- BAR COUPLERS REQUIRED
- ADHESIVE ANCHOR NO. 5 BAR. EMBED 8" IN CONCRETE

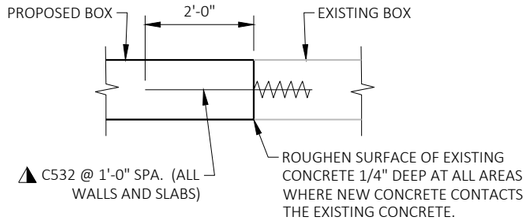


LONG. CONST. JOINT DETAIL

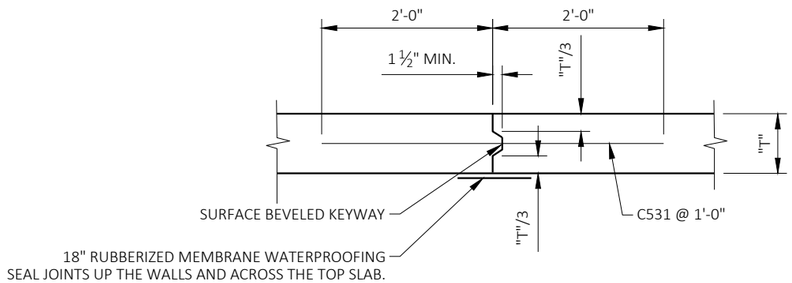
(TOP & BOTTOM SLAB OF BOX AND APRON)



HEADER DETAILS



CONNECTION TO EXISTING BOX



VERT. CONST. JOINT DETAIL

(ALL WALLS AND SLABS)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-601

DRAWN BY STD | PLANS CK'D. CDH

BOX DETAILS

SHEET 4 OF 7

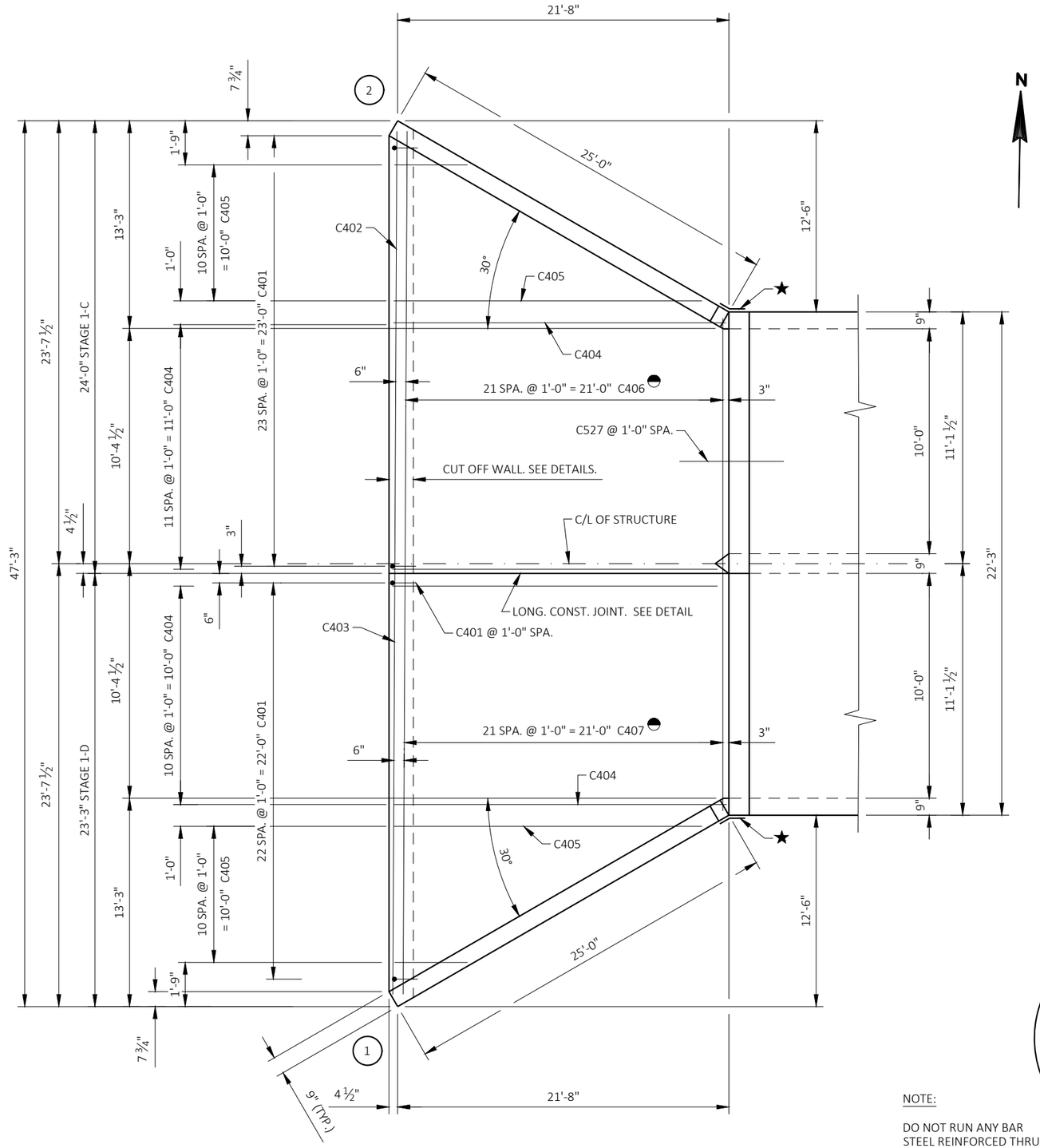
775

8

8

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\STRUCTURE CAD\080104-BXDTLS.DWG PLOT DATE : 3/24/2023 8:30 AM PLOT BY : SCOTT DEMEUSE

STATE PROJECT NUMBER
5954-00-01



PLAN OF INLET APRON

GENERAL NOTES

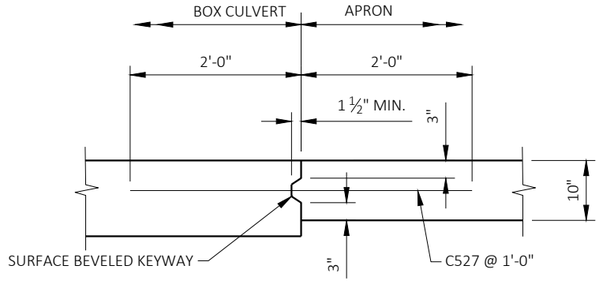
BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE CONCRETE IN THE CUT OFF WALL MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

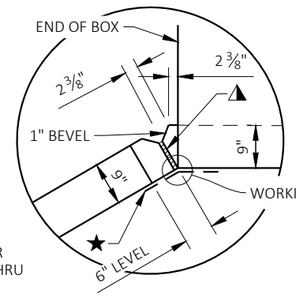
THE "ALTERNATE CUT OFF WALL" DETAIL SHOWN ON THE "BILL OF BARS & BOX DETAILS" SHEET MAY BE USED IN LIEU OF THE CAST-IN-PLACE CONCRETE CUT OFF WALL. PAYMENT SHALL BE BASED ON CONCRETE CUT OFF WALLS.

LEGEND

- BAR COUPLERS REQUIRED
- ★ 18" MIN. WIDTH RUBBERIZED MEMBRANE WATERPROOFING ALONG JOINT BETWEEN WING AND BARREL



APRON CONNECTION DETAIL



WING 1 SHOWN
(WING 2 SIMILAR)

NOTE:

DO NOT RUN ANY BAR STEEL REINFORCED THRU JOINT FILLER.

LEGEND

- ◭ ¾" FILLER TO EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WING
- ★ 18" RUBBERIZED MEMBRANE WATERPROOFING TO EXTEND FROM HORIZ. CONST. JOINT TO TOP OF WING

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-601

DRAWN BY	STD	PLANS CK'D.	CDH

APRON DETAILS

SHEET 5 OF 7
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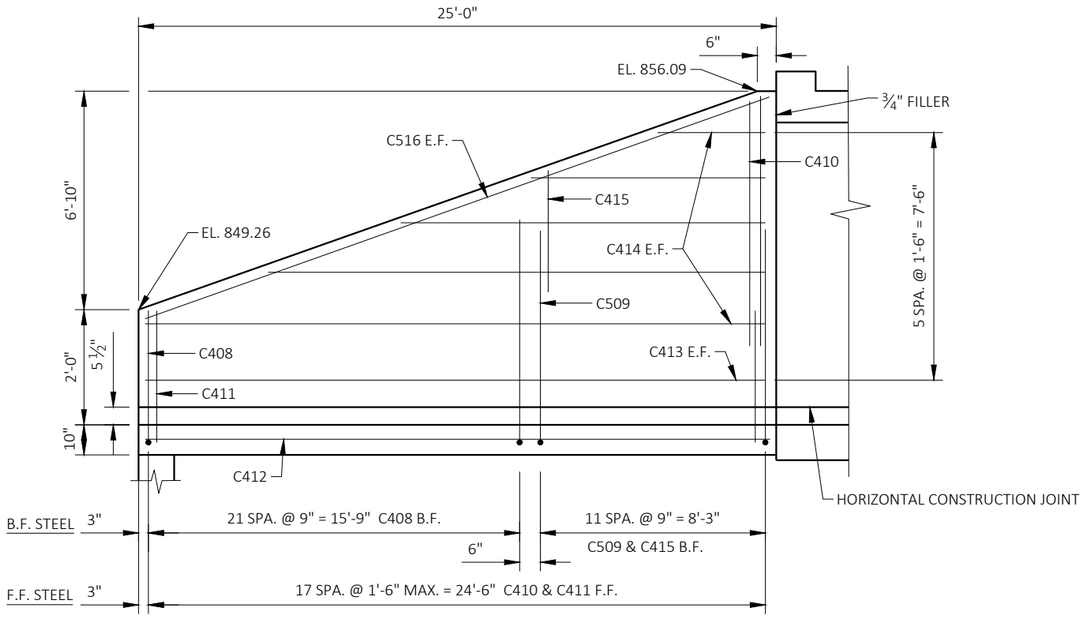
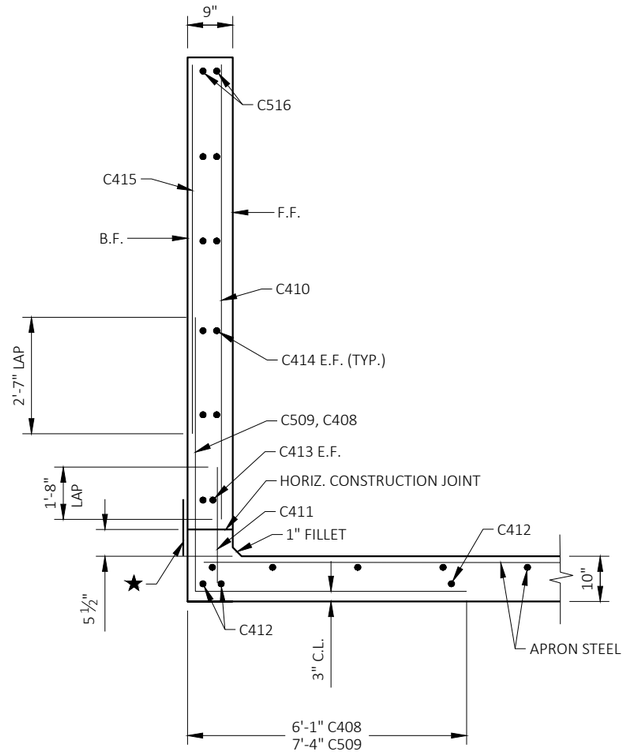
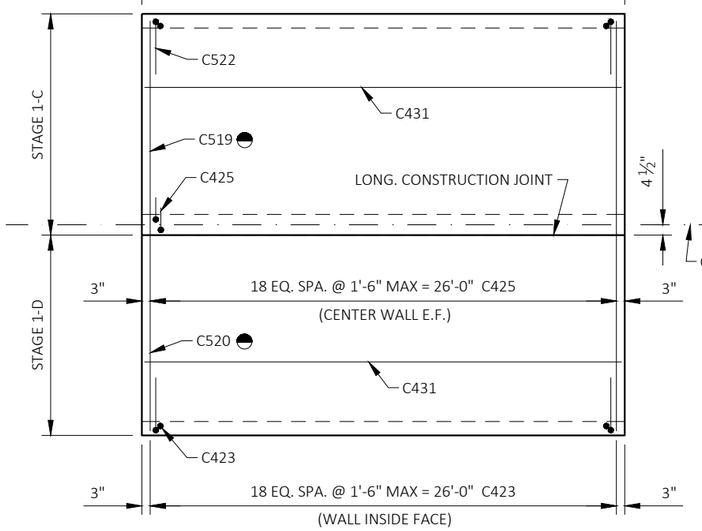


ELEVATION - WING 2

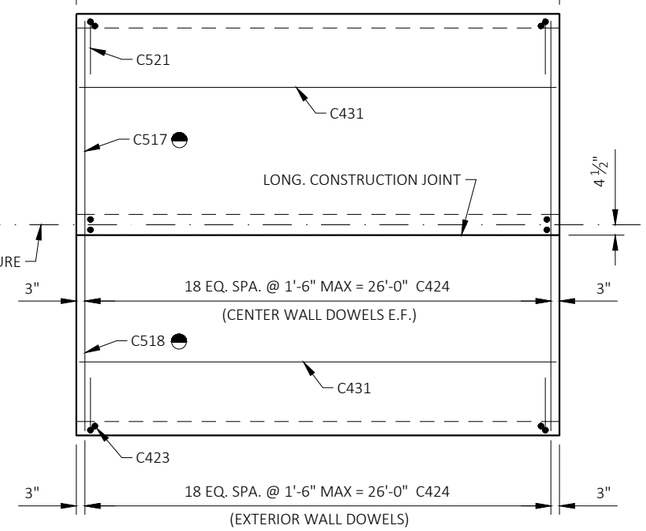
(WING 1 SIMILAR)



TYPICAL SECTION THRU WING



TOP SLAB



BOTTOM SLAB

LEGEND

★ 18" MIN. WIDTH RUBBERIZED MEMBRANE WATERPROOFING ALONG HORIZ. CONST. JOINT IN WING

E.F. DENOTES EACH FACE

F.F. DENOTES FRONT FACE

B.F. DENOTES BACK FACE

◓ BAR COUPLERS REQUIRED

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-601

DRAWN BY STD | PLANS CK'D. CDH

BOX & WING DETAILS

SHEET 6 OF 7

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STATE PROJECT NUMBER

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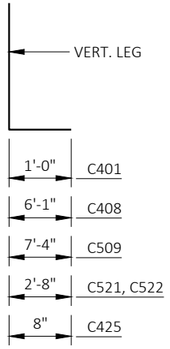
BILL OF BARS

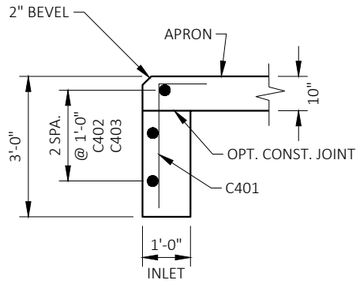
COATED WT = 1,350 LBS
UNCOATED WT = 16,080 LBS

	BAR MARK	STAGE 1-C	STAGE 1-D	LENGTH	COAT	BENT	BAR ◭ SERIES	LOCATION
	C401	24	23	3'-7"		X		CUTOFF WALL INLET
★	C402	3	--	23'-9"				CUTOFF WALL INLET
★	C403	--	3	23'-0"				CUTOFF WALL INLET
	C404	12	11	21'-8"				APRON INLET LONG.
	C405	11	11	11'-8"			X	APRON INLET LONG.
★	C406	22	--	17'-4"			X	APRON INLET TRANS.
★	C407	--	22	16'-7"			X	APRON INLET TRANS.
	C408	22	22	10'-7"	X	X	X	APRON-WINGS 1 & 2 VERT. B.F.
	C509	12	12	12'-5"	X	X		APRON-WINGS 1 & 2 VERT. B.F.
	C410	18	18	4'-7"	X		X	WINGS 1 & 2 VERT. F.F.
	C411	18	18	2'-11"	X			APRON-WINGS 1 & 2 DOWEL F.F.
	C412	3	3	24'-8"	X			WINGS 1 & 2 APRON
	C413	2	2	24'-8"	X			WINGS 1 & 2 HORIZ. E.F.
	C414	10	10	13'-8"	X		X	WINGS 1 & 2 HORIZ. E.F.
	C415	12	12	5'-6"	X		X	WINGS 1 & 2 VERT. B.F.
	C516	2	2	25'-7"	X			WINGS 1 & 2 TOP E.F.
★	C517	178	--	11'-3"				BOX BOT. SLAB TRANS.
★	C518	--	178	10'-6"				BOX BOT. SLAB TRANS.
★	C519	178	--	11'-3"				BOX TOP SLAB TRANS.
★	C520	--	178	10'-6"				BOX TOP SLAB TRANS.
	C521	54	54	8'-2"		X		BOX CORNERS BTM SLAB
	C522	54	54	8'-2"		X		BOX CORNERS TOP SLAB
	C423	38	38	8'-0"				BOX EXT. WALLS VERT.
	C424	114	38	3'-1"				BOX DOWELS WALLS
	C425	76	--	8'-8"		X		BOX INT. WALLS VERT.
	C426	104	76	26'-0"				BOX LONG.
	C527	12	11	4'-0"				BOX TO APRON CONST. JOINT
★	C428	2	--	11'-4"				BOX HEADER INLET
★	C429	--	2	10'-7"				BOX HEADER INLET
	C330	16	15	2'-7"		X		BOX HEADER INLET VERT.
	C531	42	31	4'-0"				VERT. CONST. JOINT
	C532	42	31	2'-8"				EPOXY ANCHORS

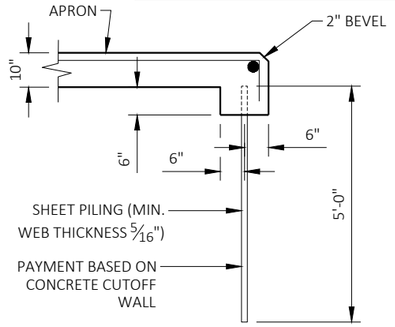
NOTE:

BAR BENDS ARE DIMENSIONED OUT TO OUT OF BAR.

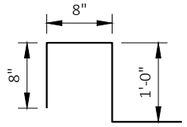




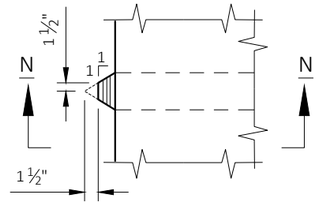
SECTION THRU CUTOFF WALL



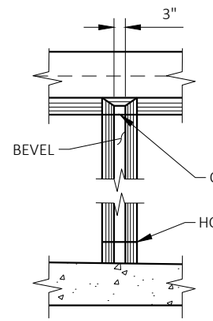
SECTION THRU
ALTERNATE CUTOFF WALL



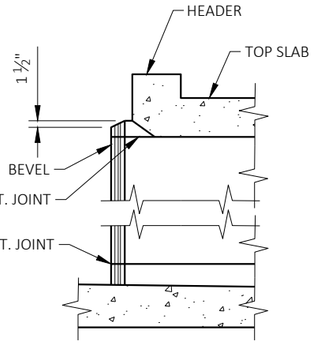
C330



PLAN



ELEVATION



SECTION 'N'

INLET NOSE DETAIL

LEGEND

◭ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

★ BAR COUPLERS REQUIRED. BAR LENGTHS ARE COMPUTED TO THE C/L OF THE CONSTRUCTION JOINT AND SHALL BE MODIFIED BY THE BAR COUPLER MANUFACTURES RECOMMENDATIONS.

BAR SERIES TABLE

MARK	NO. REQ'D.	LENGTH
C405	2 SERIES OF 11	3'-0" TO 20'-4"
C406	1 SERIES OF 22	11'-4" TO 23'-4"
C407	1 SERIES OF 22	10'-7" TO 22'-7"
C408	2 SERIES OF 22	8'-4" TO 12'-10"
C410	2 SERIES OF 18	1'-2" TO 8'-0"
C414	4 SERIES OF 5	2'-8" TO 24'-8"
C415	2 SERIERS OF 12	4'-2" TO 6'-10"

BUNDLE AND TAG EACH SERIES SEPARATELY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-601

DRAWN BY STD | PLANS CK'D. CDH

BILL OF BARS & BOX DETAILS

SHEET 7 OF 7
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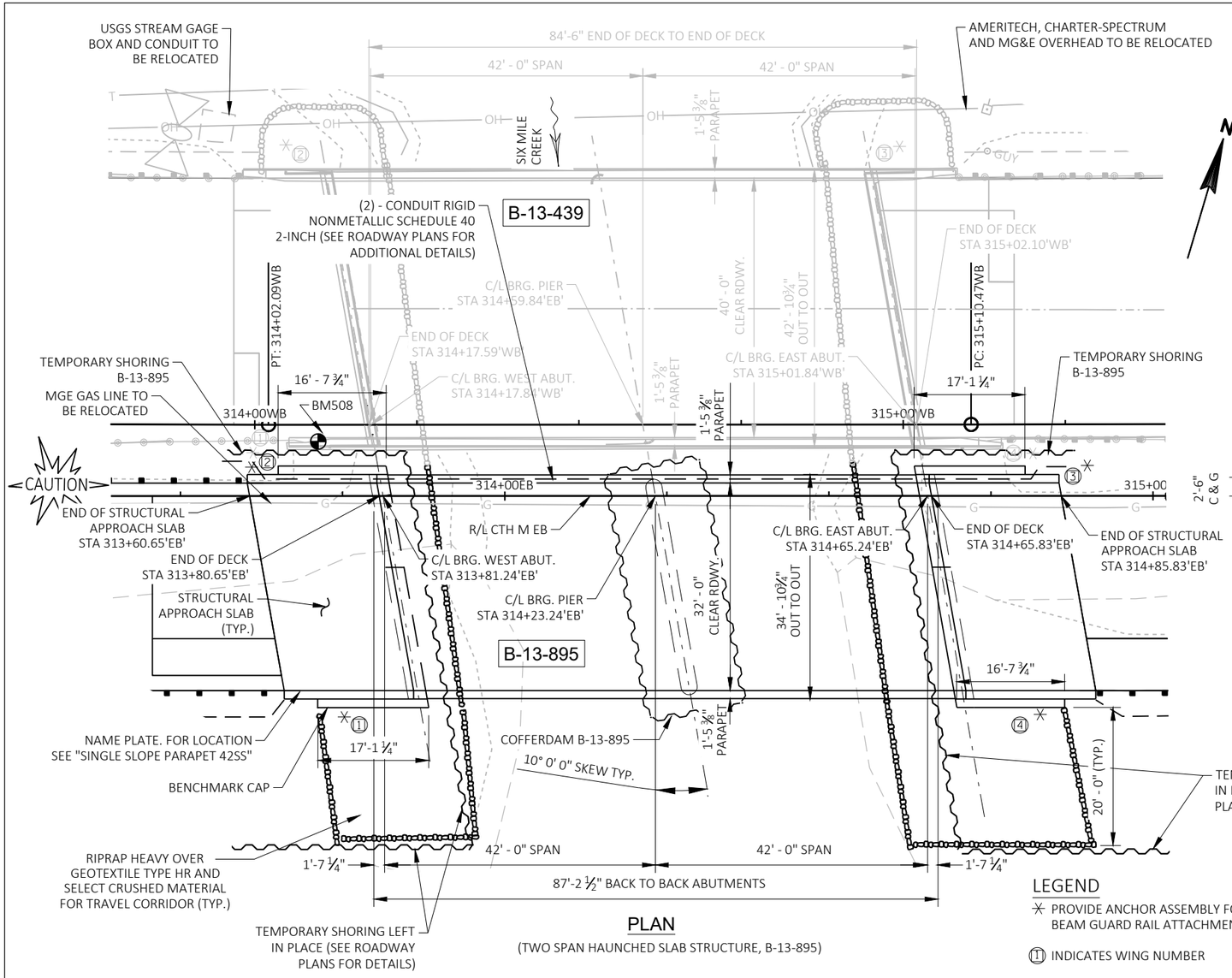
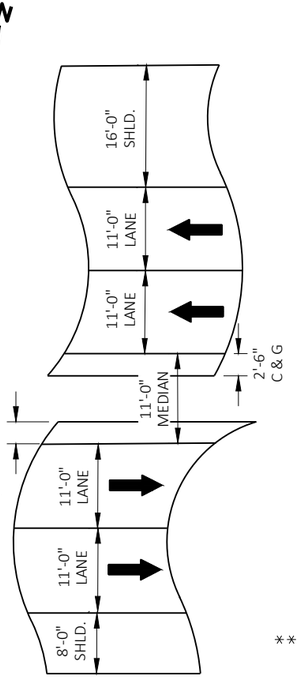


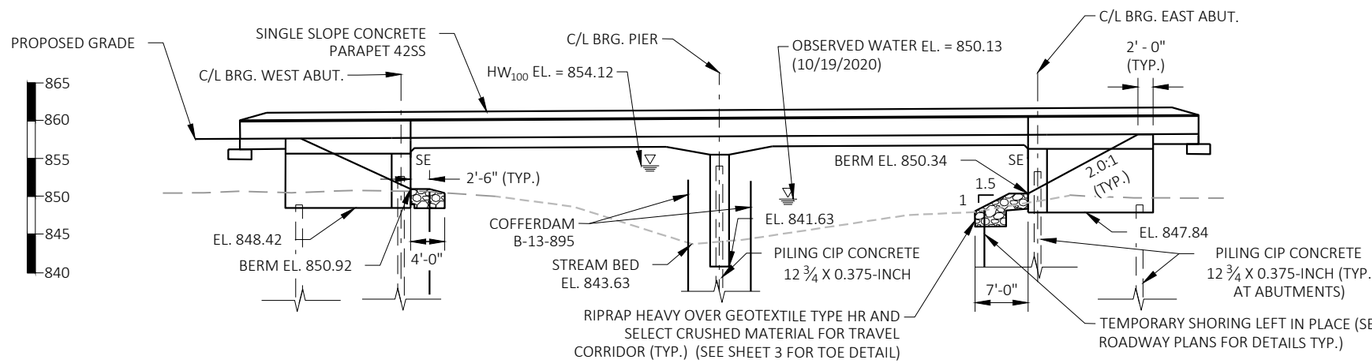
PLAN

(TWO SPAN HAUNCHED SLAB STRUCTURE, B-13-895)



LEGEND

- ⚹ PROVIDE ANCHOR ASSEMBLY FOR THRIE BEAM GUARD RAIL ATTACHMENT
- (1) INDICATES WING NUMBER



ELEVATION

(NORMAL TO SIX MILE CREEK LOOKING NORTH)

DESIGN DATA

LIVE LOAD:
DESIGN LOADING: HL-93
INVENTORY RATING: RF=1.04
OPERATING RATING: RF=1.35
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:
CONCRETE MASONRY SUPERSTRUCTURE.....f'c = 4,000 P.S.I.
CONCRETE MASONRY SUBSTRUCTURE.....f'c = 3,500 P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 P.S.I.
BAR STEEL REINFORCEMENT STAINLESS, GRADE 60.....fy = 60,000 P.S.I.

TRAFFIC VOLUME

CTH M
A.A.D.T. = 21,150 (2025)
A.A.D.T. = 28,650 (2045)
RDS = 45 MPH

HYDRAULIC DATA

100 YEAR FREQUENCY
Q_{100} = 2,523 C.F.S.
VEL. = 7.03 F.P.S.
H.W.$_{100}$ = ELEV. 854.12
WATERWAY AREA = 360 SQ. FT.
DRAINAGE AREA = 48.4 SQ. MI.
ROAD OVERTOPPING = N/A
SCOUR CRITICAL CODE = 5

2 YEAR FREQUENCY
Q_2 = 1,000 C.F.S.
H.W.$_2$ = ELEV. 851.91
VEL. = 3.88 FT/S

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON PILING CIP CONCRETE 12 ¾ X 0.375-INCH DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 210 TONS** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 80-FT LONG AT WEST AND EAST ABUTMENT.

PIERS TO BE SUPPORTED ON PILING CIP CONCRETE 12 ¾ X 0.375-INCH DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 200 TONS** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 90-FT LONG AT PIER.

** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.50 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

WISCONSIN
CHAD D. HALVERSON
E-34364
MADISON, WI
PROFESSIONAL ENGINEER

April 4, 2023

STRUCTURE DESIGN CONTACTS
BUREAU OF STRUCTURES:
AARON BONK (608) 261-0261
CONSULTANT:
CHAD HALVERSON (608) 663-1218

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & DETAILS
3. QUANTITIES, NOTES & PROFILE
4. SUBSURFACE EXPLORATION
5. WEST ABUTMENT
6. WEST ABUTMENT DETAILS
7. EAST ABUTMENT
8. EAST ABUTMENT DETAILS
9. PIER DETAILS
10. SUPERSTRUCTURE CROSS SECTIONS 1
11. SUPERSTRUCTURE CROSS SECTIONS 2
12. SUPERSTRUCTURE PLAN
13. SUPERSTRUCTURE LONGITUDINAL SECTION
14. SUPERSTRUCTURE DETAILS
15. CONDUIT DETAILS AND NOTES
16. STRUCTURAL APPROACH SLAB
17. STRUCTURAL APPROACH SLAB DETAILS - 1
18. STRUCTURAL APPROACH SLAB DETAILS - 2
19. SINGLE SLOPE PARAPET 42SS WITH STRUCTURAL APPROACH SLAB

NO.	DATE	REVISION	BY

KL Engineering [A] Better Experience

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED SDR 04/26/23
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STATE PROJECT NUMBER
5954-00-01

STRUCTURE B-13-895

EB CTH M OVER SIX MILE CREEK

COUNTY	TOWN ~~/CITY/VILLAGE~~
DANE	WESTPORT

DESIGN SPEC. AASHTO LRFD DESIGN SPEC.

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
CAH	CDH	STD	CDH

GENERAL PLAN

SHEET 1 OF 19
779

STATE PROJECT NUMBER

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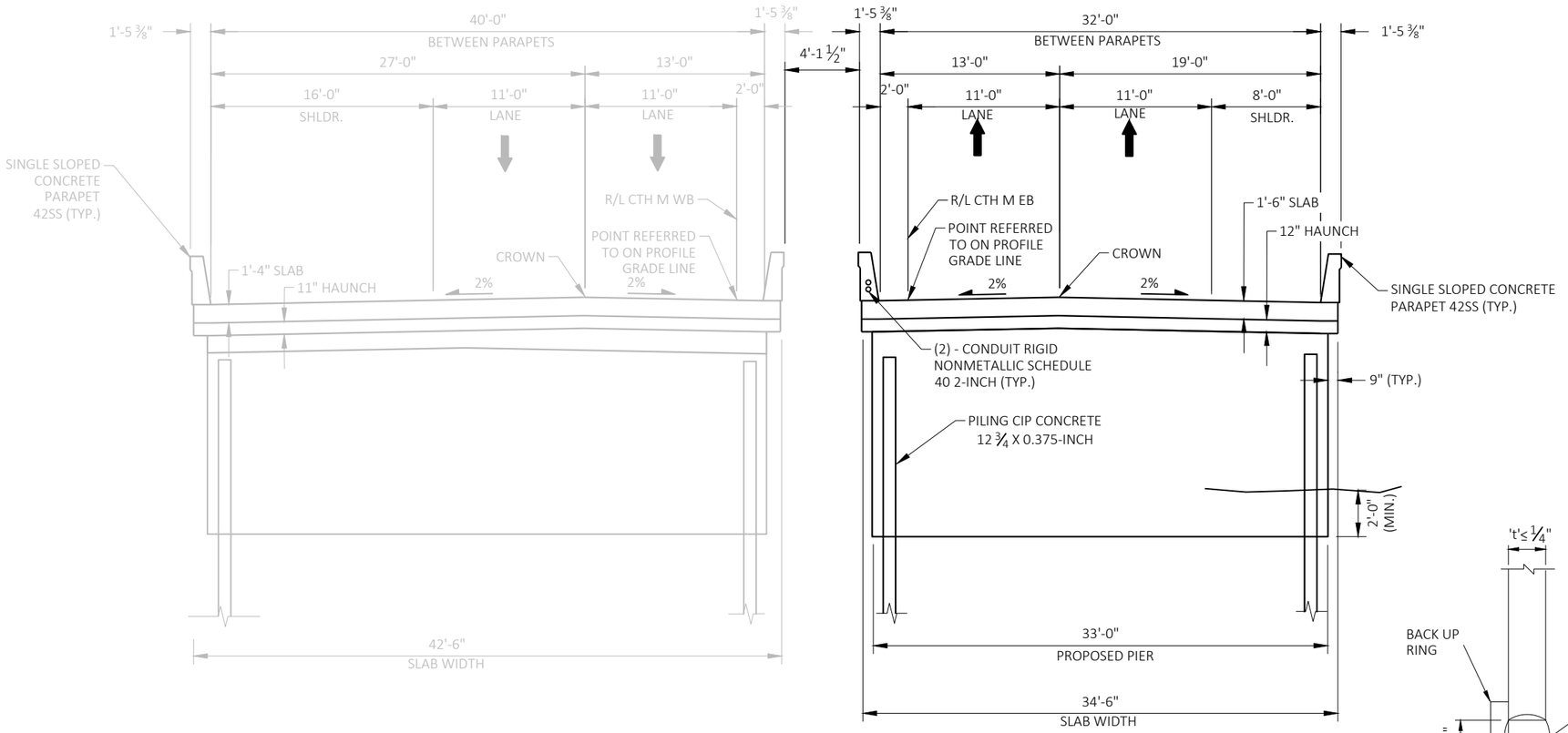
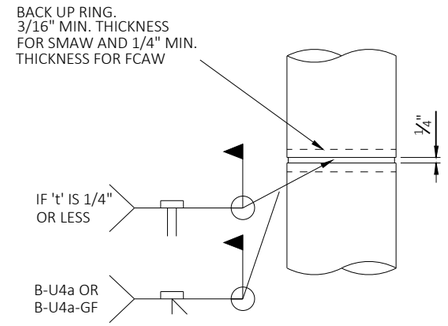


B-13-439

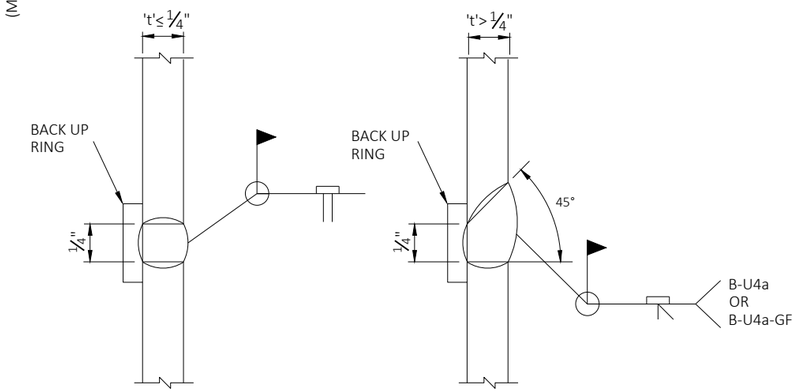
B-13-895

PROPOSED CROSS SECTION AT PIER

(LOOKING EAST)



CAST-IN-PLACE 'PIPE PILE'

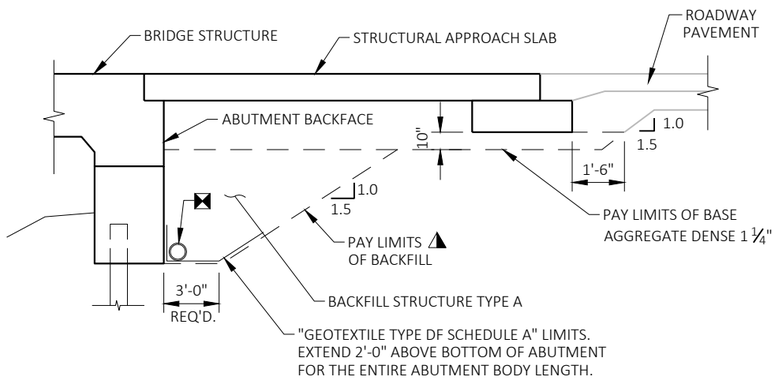


C.I.P. PILE WELD DETAIL

LEGEND

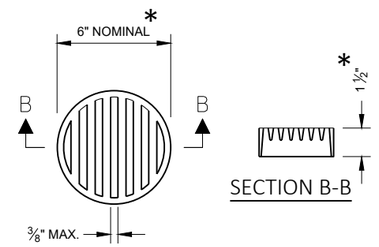
⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

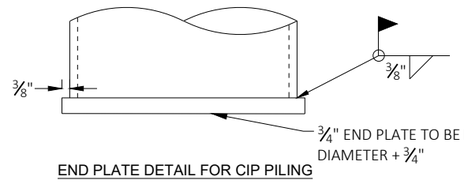
⧓ PIPE UNDERDRAIN WRAPPED (6-INCH), SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.



TYPICAL SECTION THRU ABUTMENT

(B-13-895 ONLY)





END PLATE DETAIL FOR CIP PILING

PILE DETAILS

BENCHMARK TABLE

NO.	X-COORD	Y-COORD	STATION	OFFSET	DESCRIPTION	ELEV.
BM-508	807036.1	509106.6	313+71'EB'	8.0' RT	WISDOT VT CTL ALUM DISK TOP CONC WWAL SW QUAD B-13-439-95	802.97

RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL. THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH". THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE 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.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

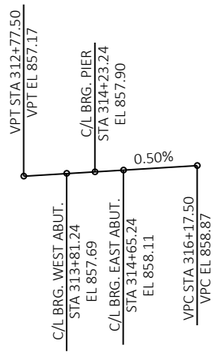
STRUCTURE B-13-895

DRAWN BY STD | PLANS CK'D. CDH

CROSS SECTIONS & DETAILS

SHEET 2 OF 19
780

STATE PROJECT NUMBER
5954-00-01



PROFILE GRADE LINE R/L CTH M EB

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

AT THE BACKFACE OF ABUTMENT ALL VOLUME (WITHIN THE PAY LIMITS SHOWN ON SHEET 2) WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURAL BACKFILL. SEE SHEET 2.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK SURFACE, STRUCTURAL APPROACH SLABS AND PAVING NOTCH.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND TOP OF THE PARAPETS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE 'HR' AND SELECT CRUSHED MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND IN THE ABUTMENT DETAILS.

PLACE SELECT CRUSHED MATERIAL FOR TRAVEL CORRIDOR OVER ALL RIPRAP ABOVE NORMAL WATER ELEVATION.

SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE UNLESS AN ALTERNATE METHOD IS APPROVED BY THE ENGINEER.

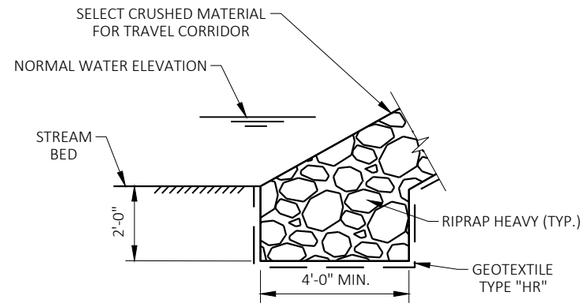
PIER AND ABUTMENT CONCRETE POURED UNDER WATER WILL BE ALLOWED & SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.5.3 OF THE STANDARD SPECIFICATIONS.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-13-895" SHALL BE THE EXISTING GROUND LINE.PROPOSED FINISHED SUBGRADE.

THE EXISTING STREAM BED SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION AT THE PIER.

QUANTITY TABLE

ITEM NUMBER	ITEM DESCRIPTION	UNIT	W. ABUT	PIER	E. ABUT	SUPER	STRUCT. APPR. SLAB	TOTAL
206.1001	EXCAVATION FOR STRUCTURES BRIDGES B-13-895	EACH	---	---	---	---	---	1
206.5001	COFFERDAMS B-13-895	EACH	---	1	---	---	---	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	170	---	210	---	---	380
502.0100	CONCRETE MASONRY BRIDGES	CY	47.6	40.0	54.0	205.2	99.0	446
502.3200	PROTECTIVE SURFACE TREATMENT	SY	---	---	---	318	142	460
502.3210	PIGMENTED SURFACE SEALER	SY	---	---	---	84	40	124
502.9000.S	UNDERWATER SUBSTRUCTURE INSPECTION B-13-895	EACH	---	1	---	---	---	1
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	2,530	7,210	2,730	---	---	12,470
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1,570	70	1,700	45,210	16,850	65,400
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	---	---	---	320.0	---	320
511.1200	TEMPORARY SHORING B-13-895	SF	275	---	319	---	---	595
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	9	---	9	---	---	18
550.2126	PILING CIP CONCRETE 12 3/4 X 0.375-INCH	LF	640	720	640	---	---	2,000
606.0300	RIPRAP HEAVY	CY	56	---	76	---	---	132
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	83	---	---	---	---	83
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	---	---	---	---	4	4
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	30	---	30	---	---	60
645.0120	GEOTEXTILE TYPE HR	SY	121	---	152	---	---	273
652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	---	---	---	24	---	24
652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	---	---	---	235	---	235
SPV.0195	SELECT CRUSHED MATERIAL FOR TRAVEL CORRIDOR	TON	21	---	30	---	---	51
	NON-BID ITEMS							
	FILLER	SIZE	1/2" & 3/4"	3/4"	1/2" & 3/4"	1/2"		



TOE DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

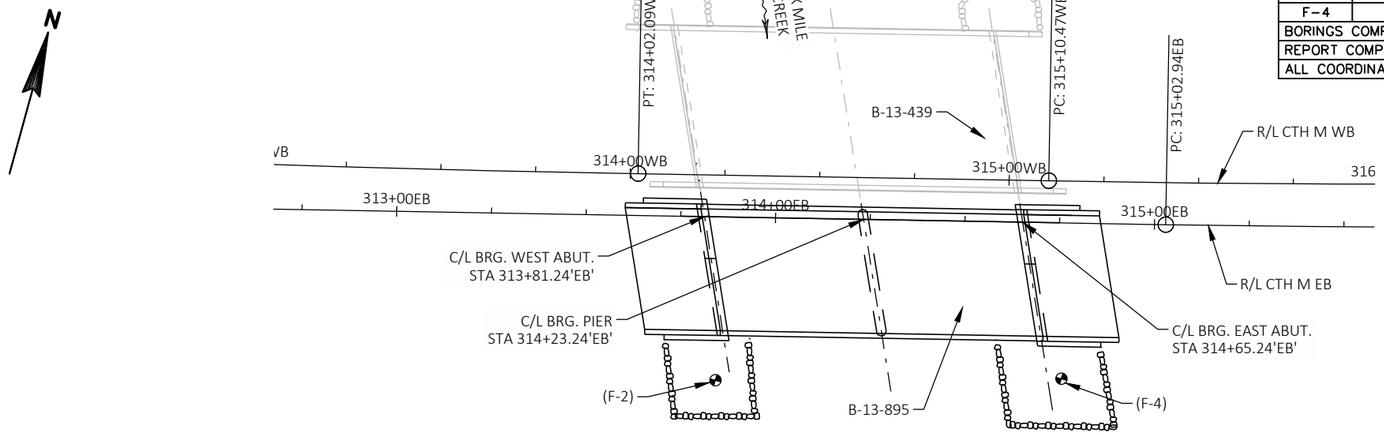
STRUCTURE B-13-895

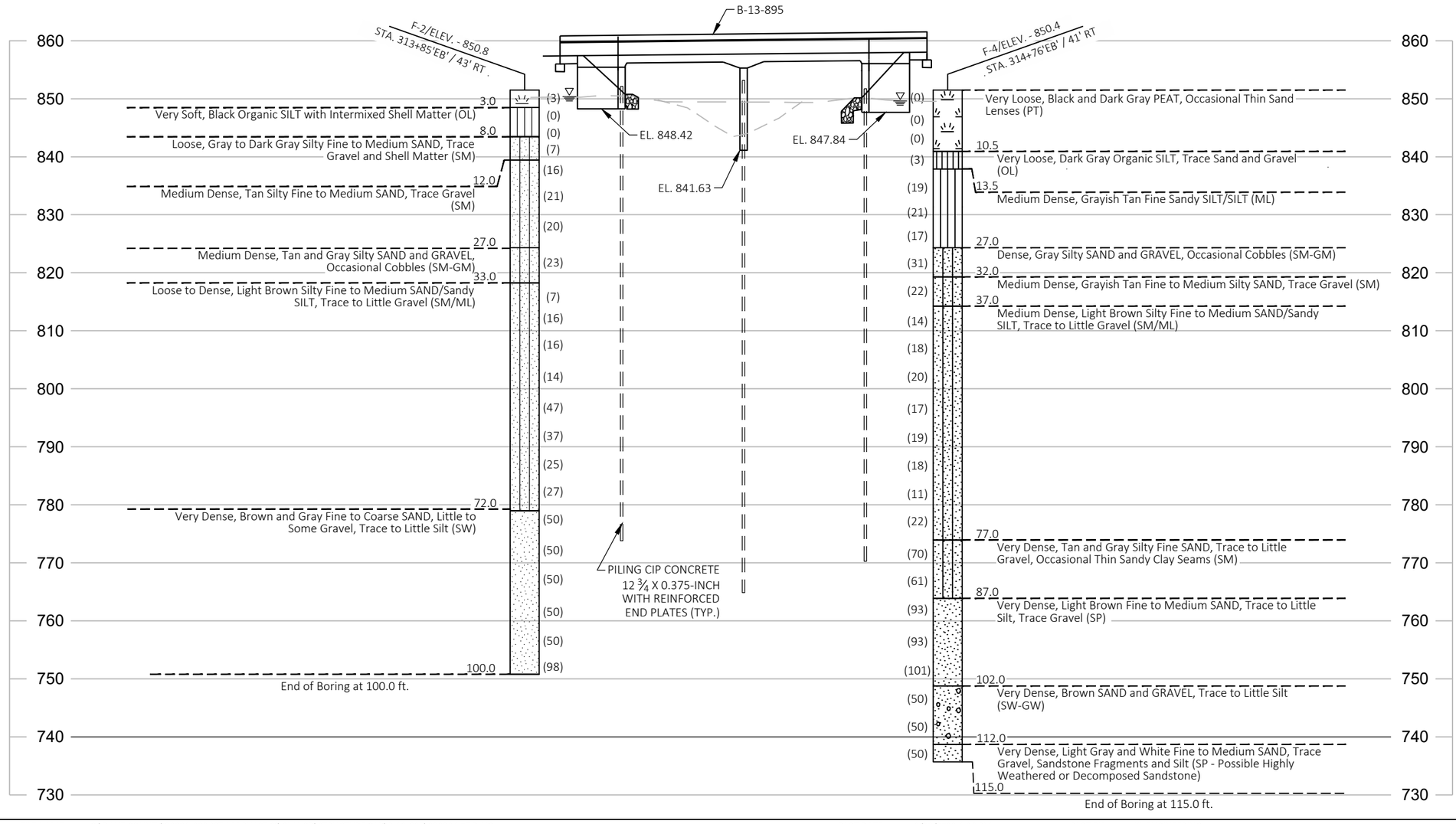
DRAWN BY STD | PLANS CK'D. CDH

QUANTITIES, NOTES & PROFILE

SHEET 3 OF 19
781

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
F-2	11/03/2020	509061.3	807062.9
F-4	11/05/2020	509087.4	807150.4
BORINGS COMPLETED BY: BADGER STATE DRILLING			
REPORT COMPLETED BY: CGC, INC.			
ALL COORDINATES REFERENCED TO WCCS NAD DANE COUNTY			





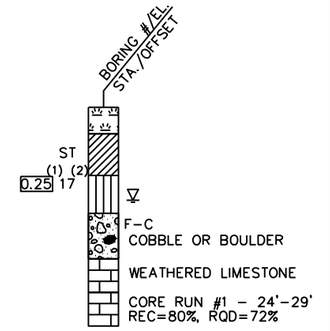
STATE PROJECT NUMBER

5954-00-01

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (unknown), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-895

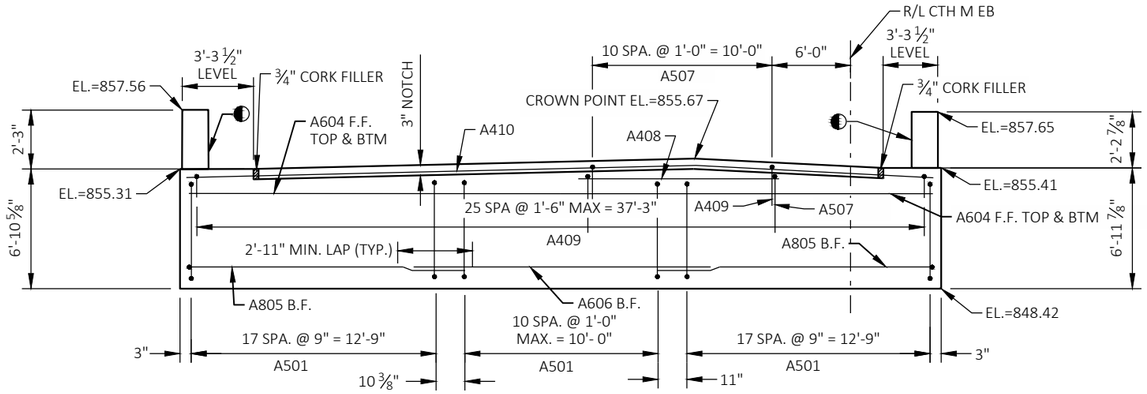
DRAWN BY	STD	PLANS CK'D.	CDH

SUBSURFACE EXPLORATION

SHEET: 4 OF 19
782

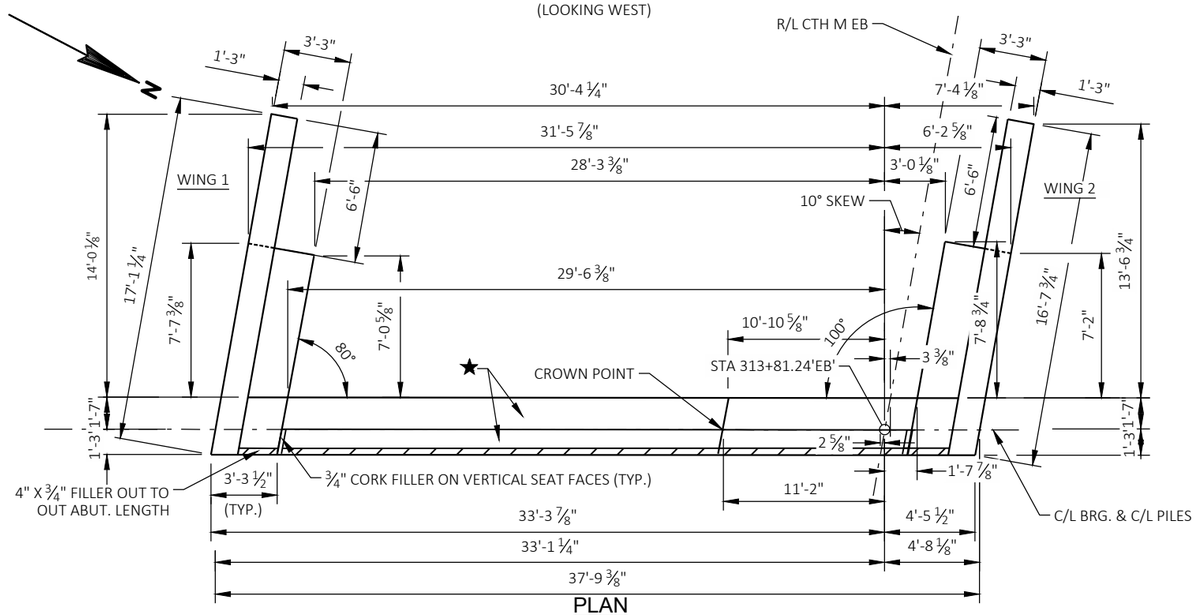
STATE PROJECT NUMBER

5954-00-01

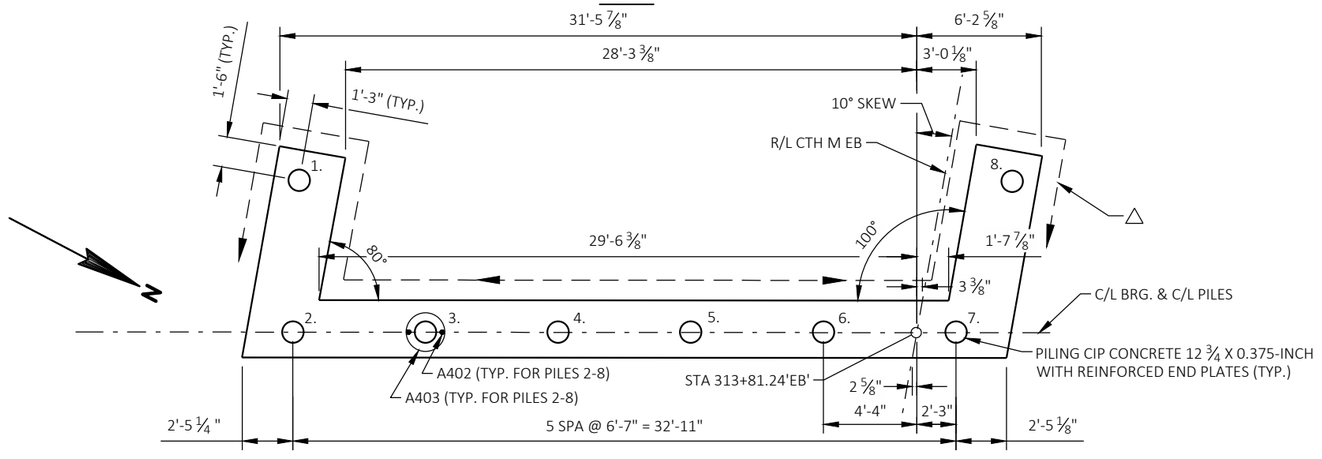


ELEVATION

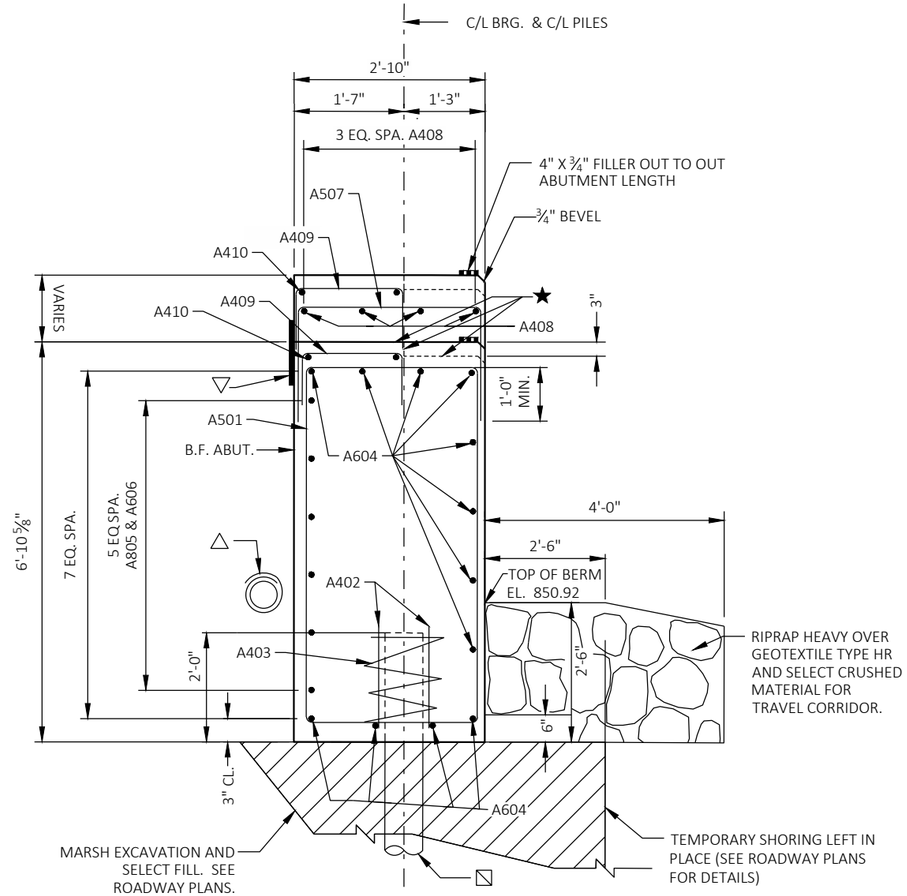
(LOOKING WEST)



PLAN



PILE PLAN



SECTION THRU BODY

LEGEND

- ☒ ABUTMENTS TO BE SUPPORTED ON PILING CIP CONCRETE 12 3/4 X 0.375-INCH DRIVEN WITH REINFORCED END PLATES TO A REQUIRED DRIVING RESISTANCE OF 210 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 80-FT LONG AT WEST ABUTMENT.
- △ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE OUTLET AT INVERT EL. 852.0. RODENT SCREEN REQUIRED. SEE DETAIL ON "CROSS SECTION & DETAILS" SHEET.
- ▽ 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.
- ◐ 1/2" FILLER. SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). SEE STRUCTURAL APPROACH SLAB DETAILS.
- ★ STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYENE SHEETS OVER ENTIRE ABUTMENT BEFORE PLACING SUPERSTRUCTURE. TOTAL THICKNESS OF SHEETS SHALL BE 0.03" MIN.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-895

DRAWN BY STD | PLANS CK'D. CDH

WEST ABUTMENT

SHEET 5 OF 19
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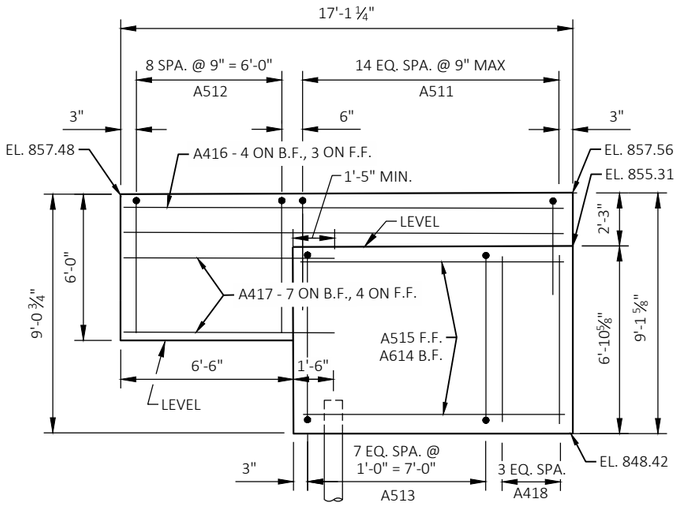
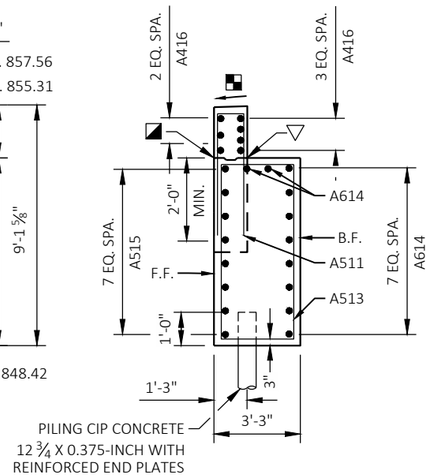
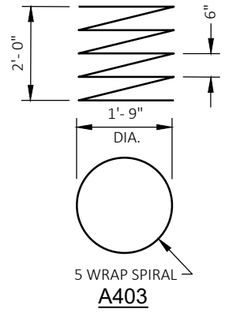
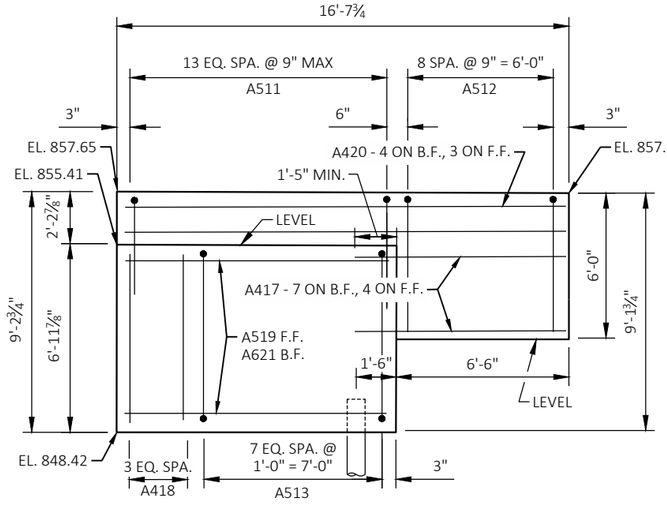


WING 1 ELEVATION (FRONT FACE)

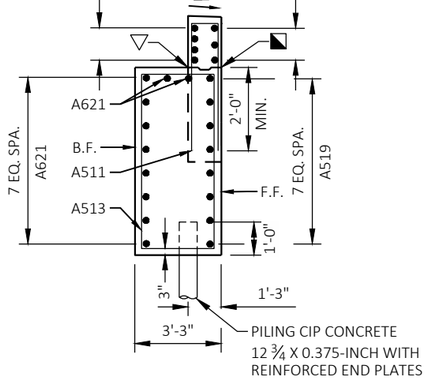


WING 1 SECTION

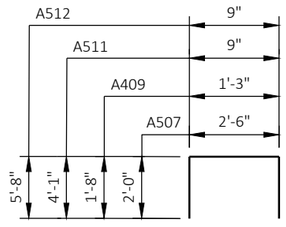




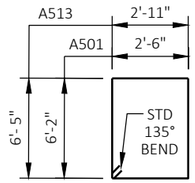
WING 2 ELEVATION (FRONT FACE)



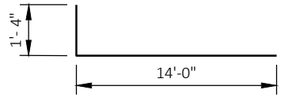
WING 2 SECTION



A507, A409, A511, A512



A501, A513



A805

W. ABUT
BILL OF BARS

TOTAL COATED = 1,570 LBS

TOTAL UNCOATED = 2,530 LBS

BAR MARK	NO. REQ'D.	LENGTH	COAT	BENT	LOCATION
A501	47	18'-0"		X	BODY STIRRUPS
A402	12	2'-3"			PILES - 2 PER BODY PILE
A403	6	28'-0"		X	PILES - 1 PER BODY PILE
A604	12	37'-3"			ABUT. BODY - HORIZ. - TOP, F.F. & BTM
A805	12	14'-11"		X	ABUT. BODY - HORIZ. - B.F.
A606	6	15'-2"			ABUT. BODY - HORIZ. - B.F.
A507	11	6'-3"		X	ABUT. BODY - VERT. - TOP
A408	4	12'-0"			ABUT. BODY - HORIZ. - TOP
A409	26	4'-5"		X	ABUT. BODY - VERT.
A410	2	37'-3"			ABUT. BODY - HORIZ. - TOP
A511	29	8'-8"	X	X	WING 1 & 2 - VERT.
A512	18	11'-10"	X	X	UPPER WING 1 & 2 - VERT.
A513	16	19'-4"	X	X	LOWER WING 1 & 2 - STIRRUP
A614	10	9'-4"	X		LOWER WING 1 - HORIZ. - B.F.
A515	8	10'-1"	X		LOWER WING 1 - HORIZ. - F.F.
A416	7	16'-7"	X		WING 1 - HORIZ. - UPPER
A417	22	7'-8"	X		WING 1 & 2 - HORIZ. - UPPER
A418	8	6'-6"	X		ABUT. BODY - VERT. - ENDS
A519	9	9'-7"	X		LOWER WING 2 - HORIZ. - F.F.
A420	7	16'-1"	X		WING 2 - HORIZ. - UPPER
A621	10	9'-9"	X		LOWER WING 2 - HORIZ. - B.F.

BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

LEGEND

- SLOPE 2% FOR DRAINAGE
- ▽ 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.
- OPTIONAL CONST. JOINT: KEYWAY FORMED BY A BEVELED 2" X 6". (R.M.W. @ BACKFACE & 3/4" "V" GROOVE @ FRONTFACE IF JOINT IS USED).

NOTES

ABUTMENTS TO BE SUPPORTED ON PILING CIP CONCRETE 12 3/4 X 0.375-INCH DRIVEN WITH REINFORCED END PLATES TO A REQUIRED DRIVING RESISTANCE OF 210 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 80-FT LONG AT WEST ABUTMENT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-895

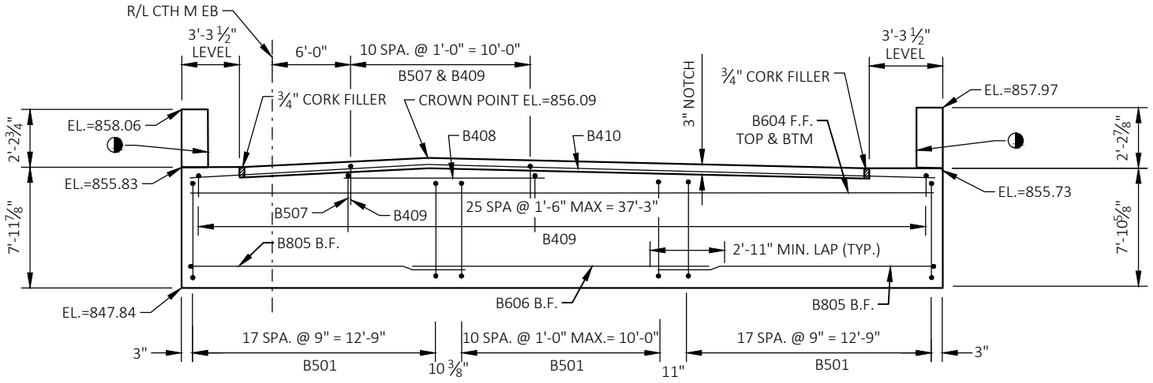
DRAWN BY STD | PLANS CK'D. CDH

WEST ABUTMENT DETAILS

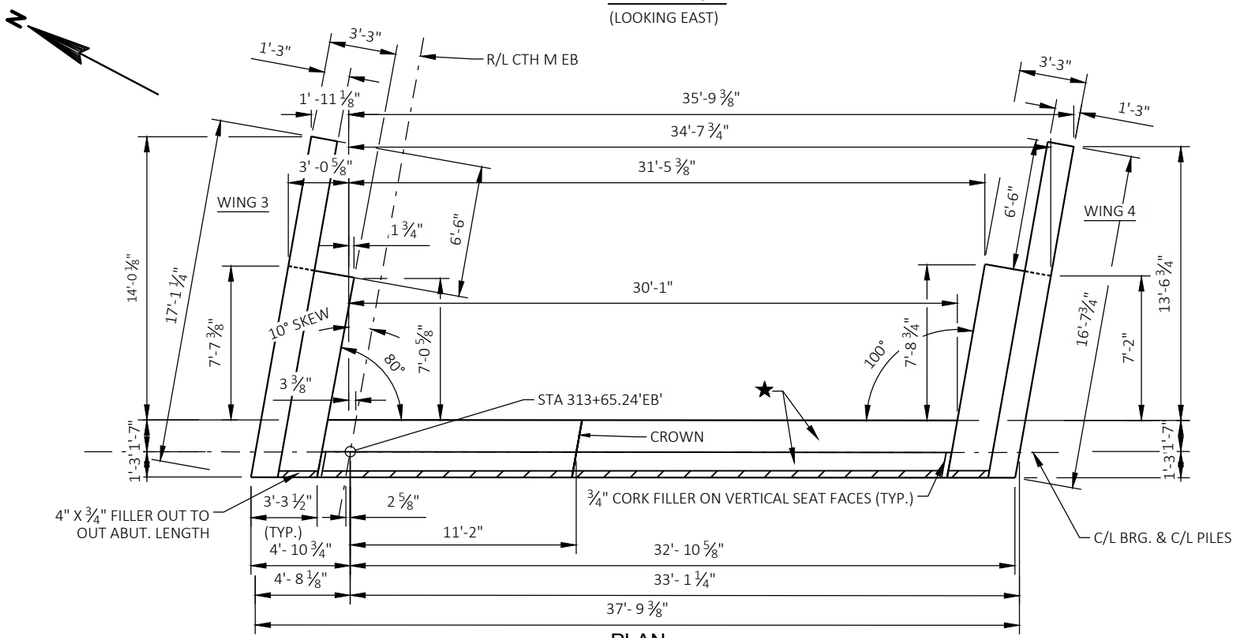
SHEET 6 OF 19
784

STATE PROJECT NUMBER

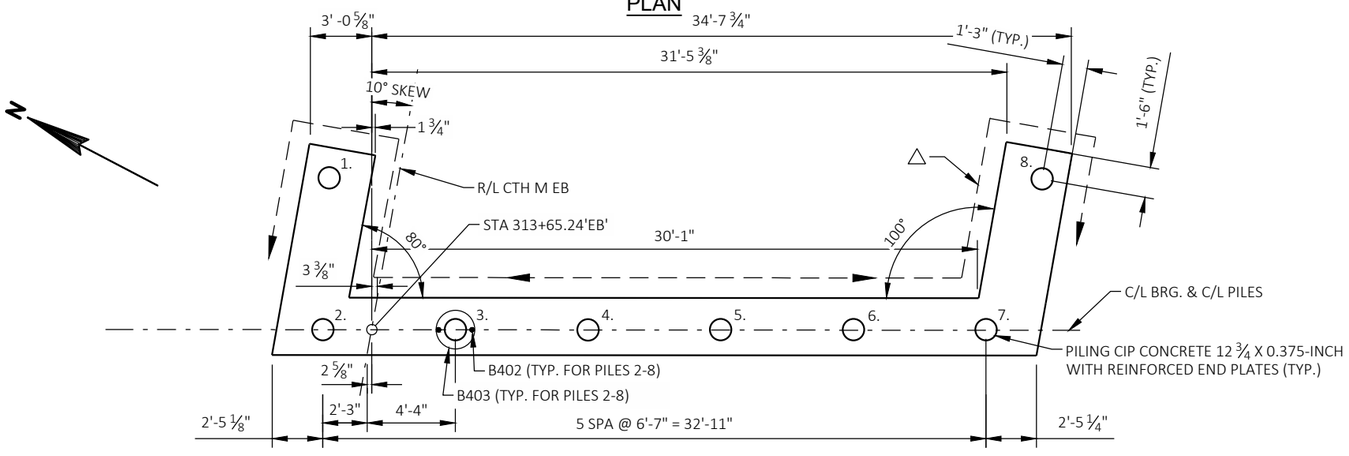
5954-00-01



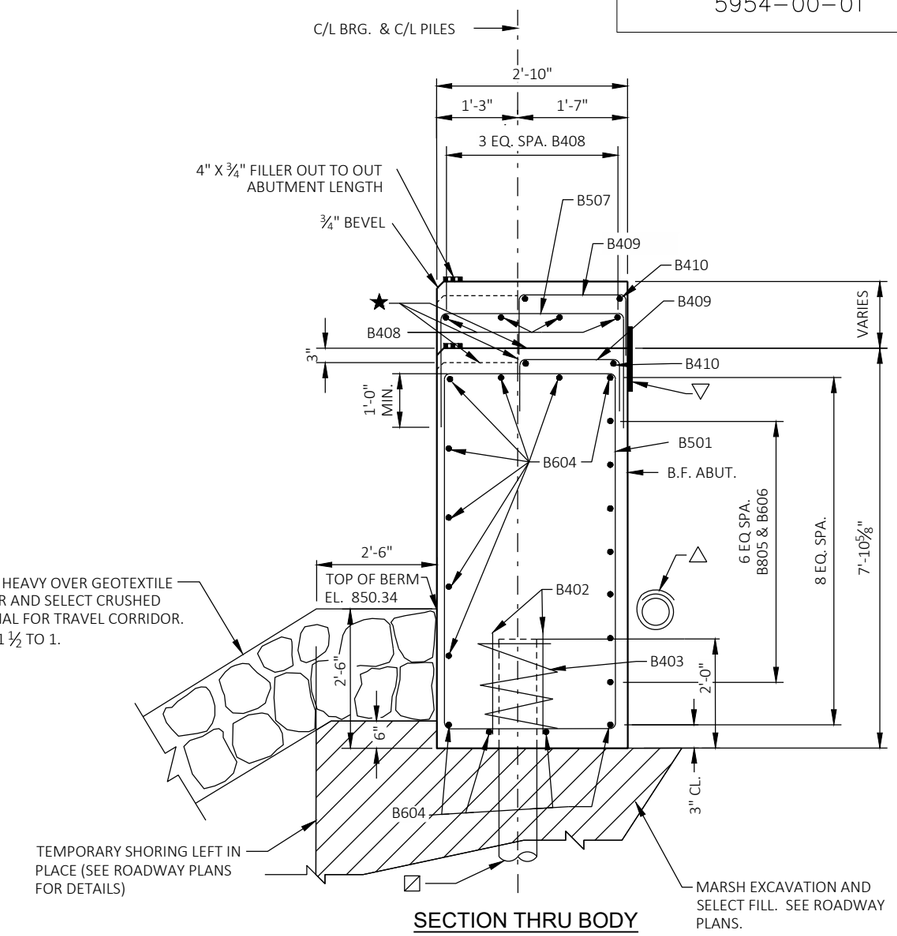
ELEVATION
(LOOKING EAST)



PLAN



PILE PLAN



SECTION THRU BODY

LEGEND

- ☒ ABUTMENTS TO BE SUPPORTED ON PILING CIP CONCRETE 12 3/4 X 0.375-INCH DRIVEN WITH REINFORCED END PLATES TO A REQUIRED DRIVING RESISTANCE OF 210 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 80-FT LONG AT EAST ABUTMENT.
- △ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE OUTLET AT INVERT EL. 852.0. RODENT SCREEN REQUIRED. SEE DETAIL ON "CROSS SECTION & DETAILS" SHEET.
- ▽ 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.
- ◐ 1/2" FILLER. SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE). SEE STRUCTURAL APPROACH SLAB DETAILS.
- ★ STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYENE SHEETS OVER ENTIRE ABUTMENT BEFORE PLACING SUPERSTRUCTURE. TOTAL THICKNESS OF SHEETS SHALL BE 0.03" MIN.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-895

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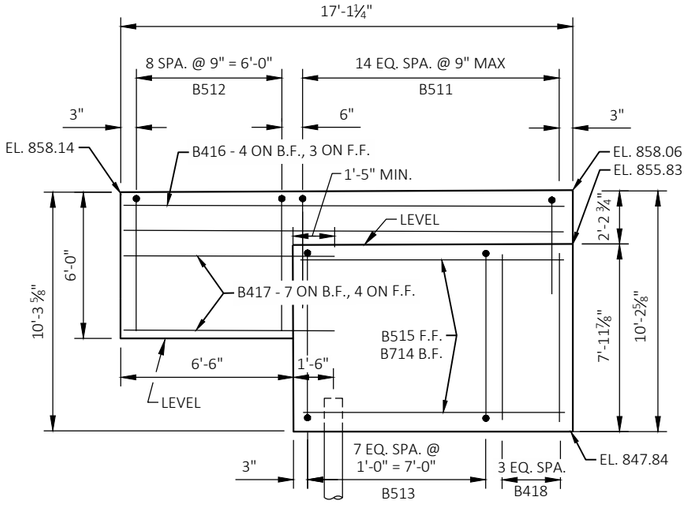
EAST ABUTMENT

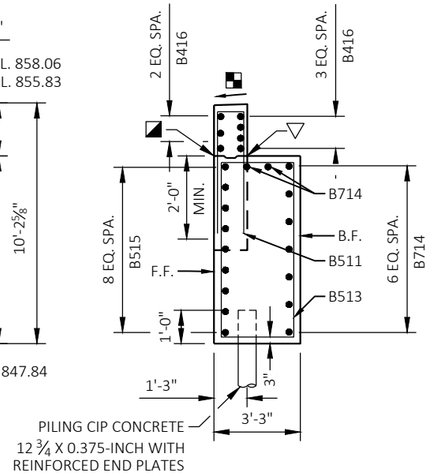
SHEET 7 OF 19
785

STATE PROJECT NUMBER

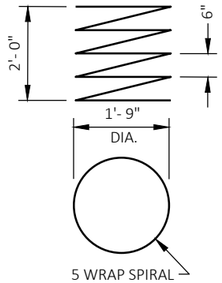
5954-00-01



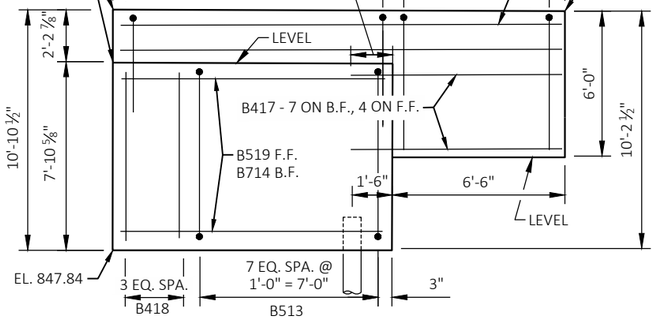
WING 3 ELEVATION (FRONT FACE)



WING 3 SECTION



B403



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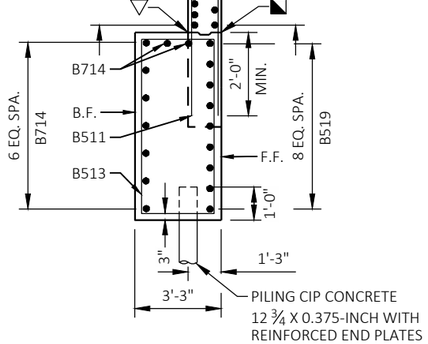
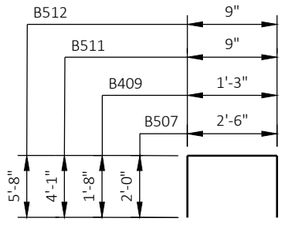
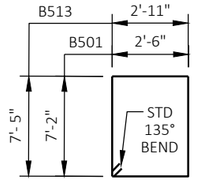


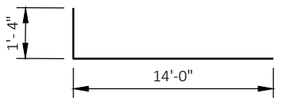
WING 4 SECTION



B507, B409, B511, B512



B501, B513



B805

B714

E. ABUT
BILL OF BARS

TOTAL COATED = 1,700 LBS
TOTAL UNCOATED = 2,730 LBS

BAR MARK	NO. REQ'D.	LENGTH	COAT	BENT	LOCATION
B501	47	20'-0"		X	BODY STIRRUPS
B402	12	2'-3"			PILES - VERT - 2 PER BODY PILE
B403	6	28'-0"		X	PILES - 1 PER BODY PILE
B604	12	37'-3"			ABUT. BODY - HORIZ. - TOP, F.F. & BTM
B805	14	14'-11"		X	ABUT. BODY - HORIZ. - B.F.
B606	7	15'-2"			ABUT. BODY - HORIZ. - B.F.
B507	11	6'-3"		X	ABUT. BODY - VERT. - TOP
B408	4	12'-0"			ABUT. BODY - HORIZ. - TOP
B409	26	4'-5"		X	ABUT. BODY - VERT.
B410	2	37'-3"			ABUT. BODY - HORIZ. - TOP
B511	29	8'-8"	X	X	WING 3 & 4 - VERT.
B512	18	11'-10"	X	X	UPPER WING 3 & 4 - VERT.
B513	16	21'-4"	X	X	LOWER WING 3 & 4 - STIRRUP
B714	18	9'-11"	X	X	LOWER WING 3 & 4 - HORIZ. - B.F.
B515	9	10'-1"	X		LOWER WING 3 - HORIZ. - F.F.
B416	7	16'-7"	X		WING 3 - HORIZ. - UPPER
B417	22	7'-8"	X		WING 3 & 4 - HORIZ. - UPPER
B418	8	7'-6"	X		ABUT. BODY - VERT. - ENDS
B519	9	9'-7"	X		LOWER WING 4 - HORIZ. - F.F.
B420	7	16'-1"	X		WING 4 - HORIZ. - UPPER

BENDING DIMENSIONS ARE OUT TO OUT OF BARS.

LEGEND

- SLOPE 2% FOR DRAINAGE
- ▽ 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.
- OPTIONAL CONST. JOINT: KEYWAY FORMED BY A BEVELED 2" X 6". (R.M.W. @ BACKFACE & 3/4" "V" GROOVE @ FRONTFACE IF JOINT IS USED).

NOTES

ABUTMENTS TO BE SUPPORTED ON PILING CIP CONCRETE 12 3/4 X 0.375-INCH DRIVEN WITH REINFORCED END PLATES TO A REQUIRED DRIVING RESISTANCE OF 210 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 80-FT LONG AT EAST ABUTMENT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-895

DRAWN BY STD | PLANS CK'D. CDH

EAST ABUTMENT DETAILS

SHEET 8 OF 19
786

STATE PROJECT NUMBER

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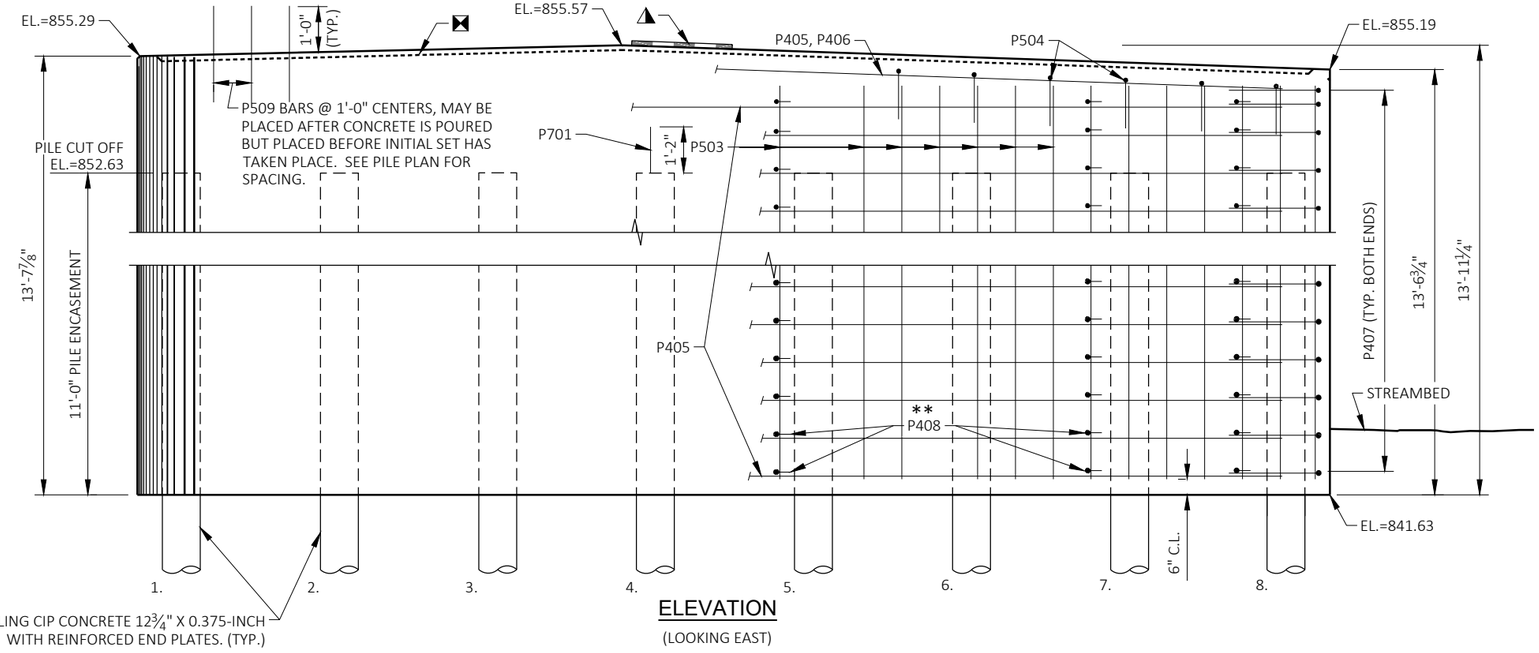
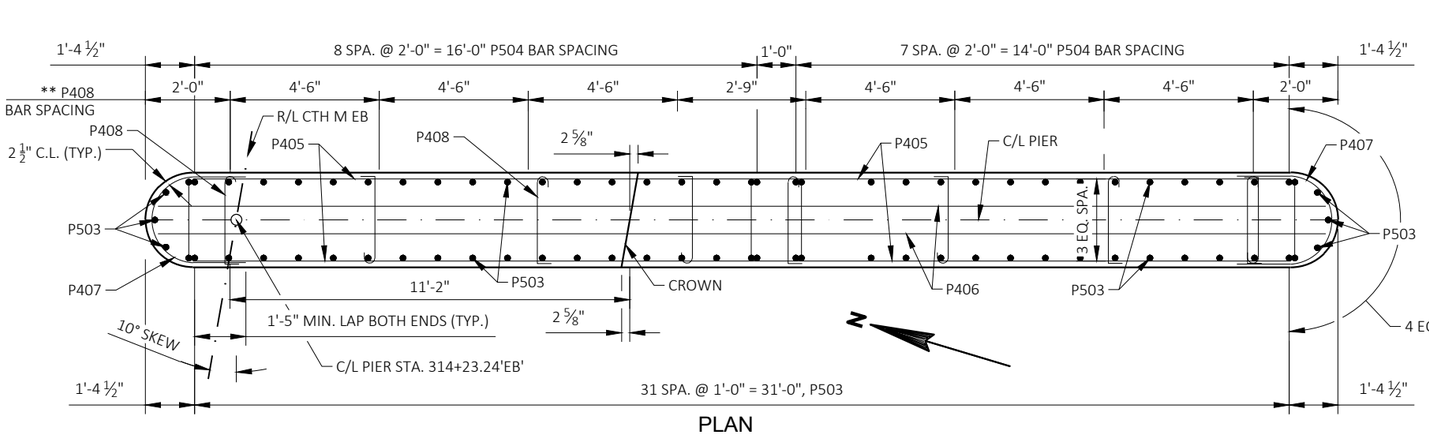
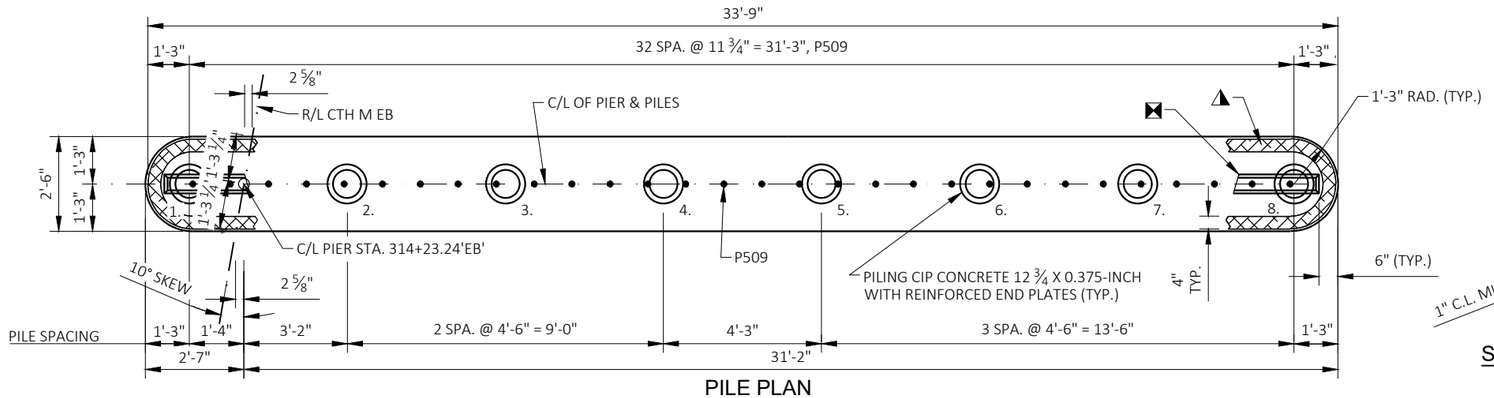


ELEVATION

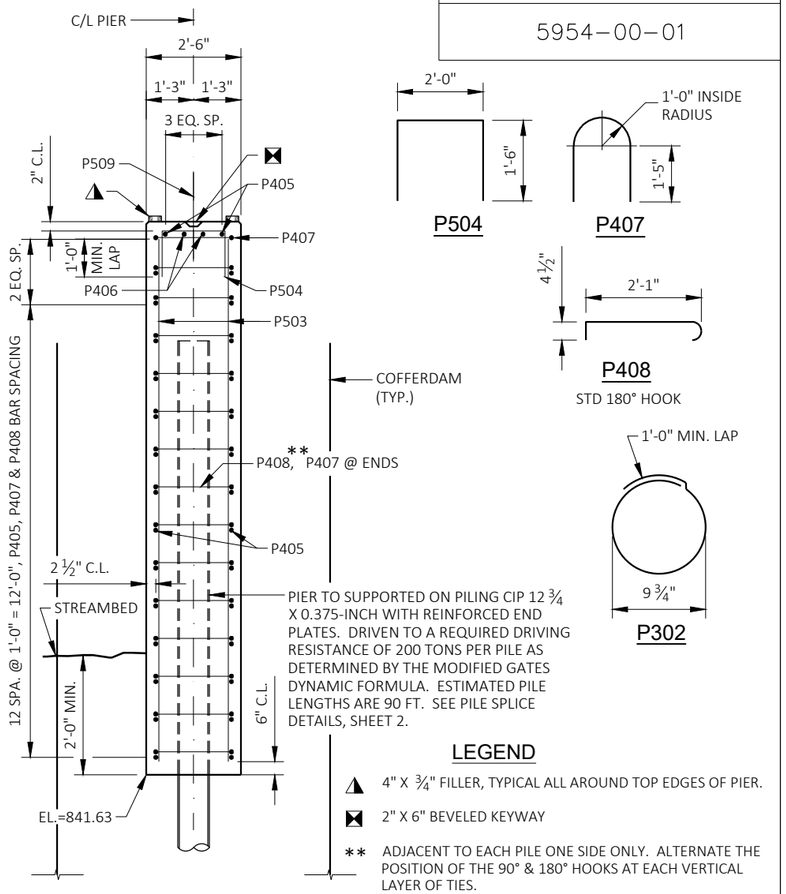
(LOOKING EAST)



PLAN



PILE PLAN



TYPICAL SECTION THRU PIER

LEGEND

- 4" X ¾" FILLER, TYPICAL ALL AROUND TOP EDGES OF PIER.
- 2" X 6" BEVELED KEYWAY
- ** ADJACENT TO EACH PILE ONE SIDE ONLY. ALTERNATE THE POSITION OF THE 90° & 180° HOOKS AT EACH VERTICAL LAYER OF TIES.

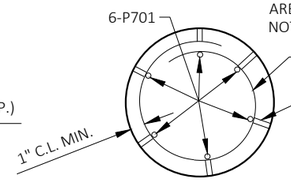
BILL OF BARS - PIER

COATED 70 LBS.

UNCOATED 7,210 LBS.

BAR MARK	NO. REQ'D.	LENGTH	COAT	BENT	LOCATION
P 701	54	44'-0"			CIP PILING - VERT.
P 302	176	3'-7"		X	CIP PILING - HORIZ.
P 503	70	12'-10"			PIER - VERT.
P 504	31	4'-9"		X	PIER - STIRRUPS - TOP - VERT.
P 405	30	30'-11"			PIER - HORIZ.
P 406	2	33'-1"			PIER - TOP - HORIZ.
P 407	30	6'-0"		X	PIER - ENDS - HORIZ.
P 408	120	2'-11"		X	PIER - TIES - HORIZ.
P 509	33	2'-0"	X		PIER - DOWELS - VERT.

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR EXCEPT AS NOTED.



SECTION THRU CONCRETE CAST-IN-PLACE PILING

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-895

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PIER DETAILS

SHEET 9 OF 19

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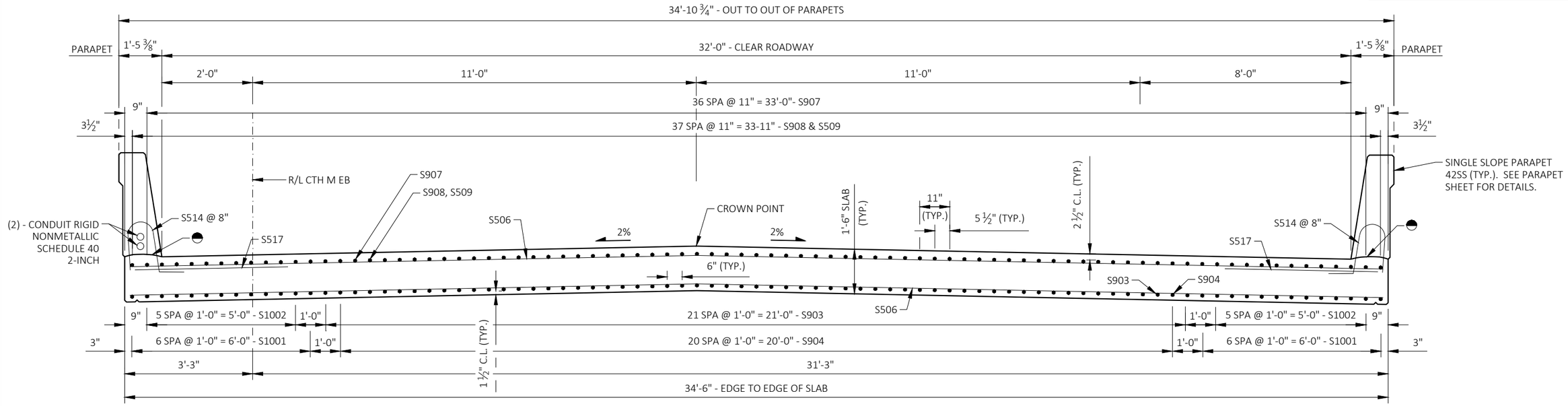
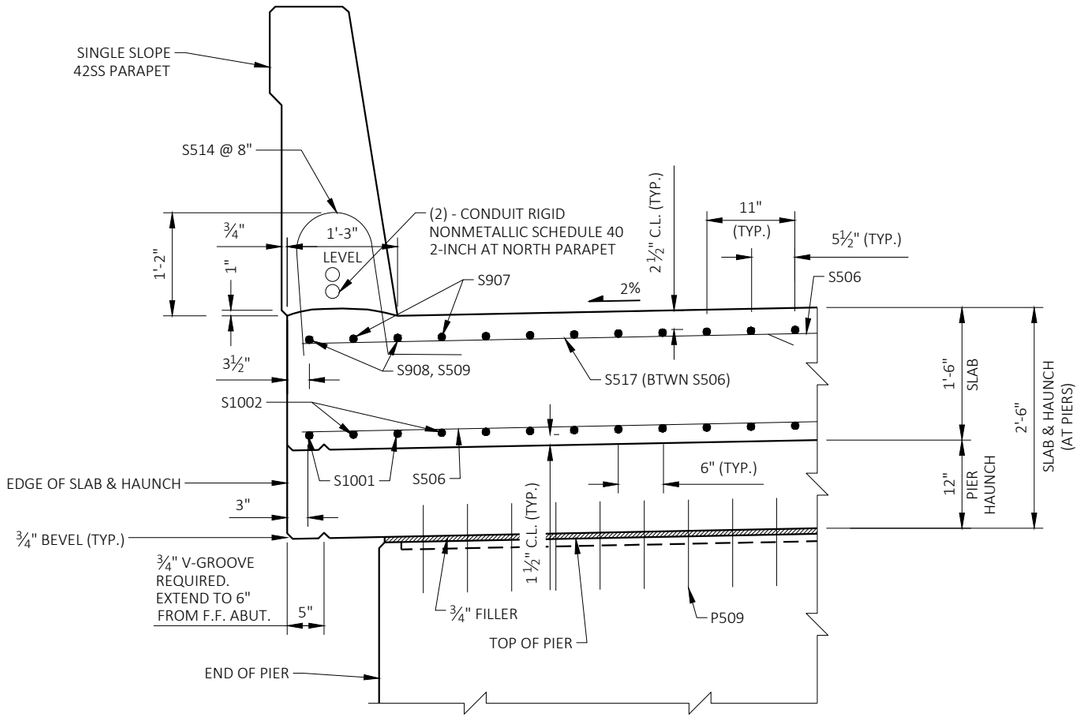


TYPICAL CROSS SECTION THRU BRIDGE LOOKING EAST

(SHOWING IN-SPAN REINFORCEMENT)



EDGE OF SLAB DETAIL

(TYP. @ BOTH SIDES)

LEGEND

HORIZ. CONSTRUCTION JOINT:
STRIKE OFF AND LEAVE ROUGH AS SHOWN.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-895

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SUPERSTRUCTURE CROSS SECTIONS 1

SHEET 10 OF 19

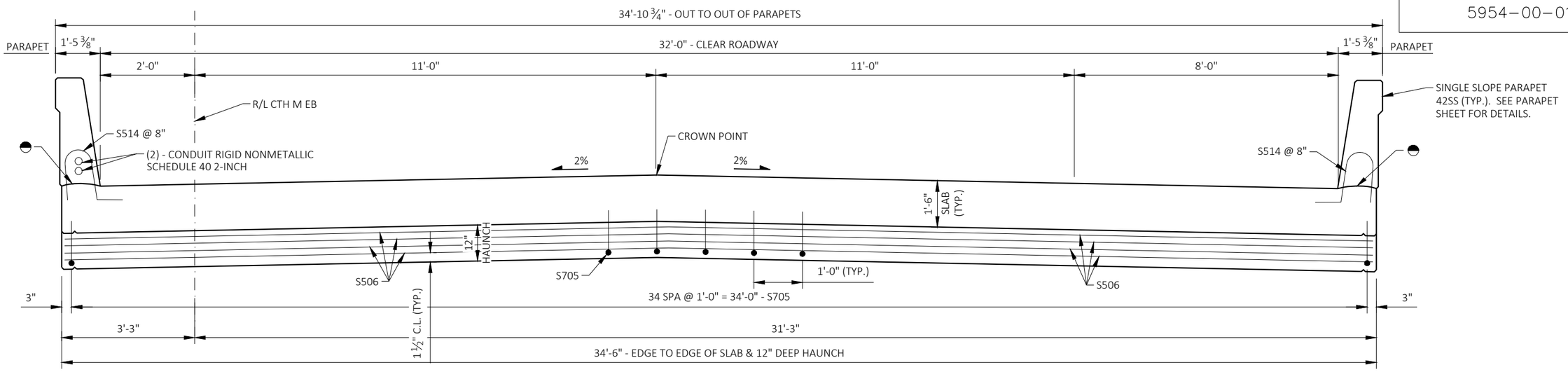
788

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\STRUCTURE CAD\B-13-895\080210-SSX-1.DWG

PLOT DATE : 3/27/2023 9:58 AM

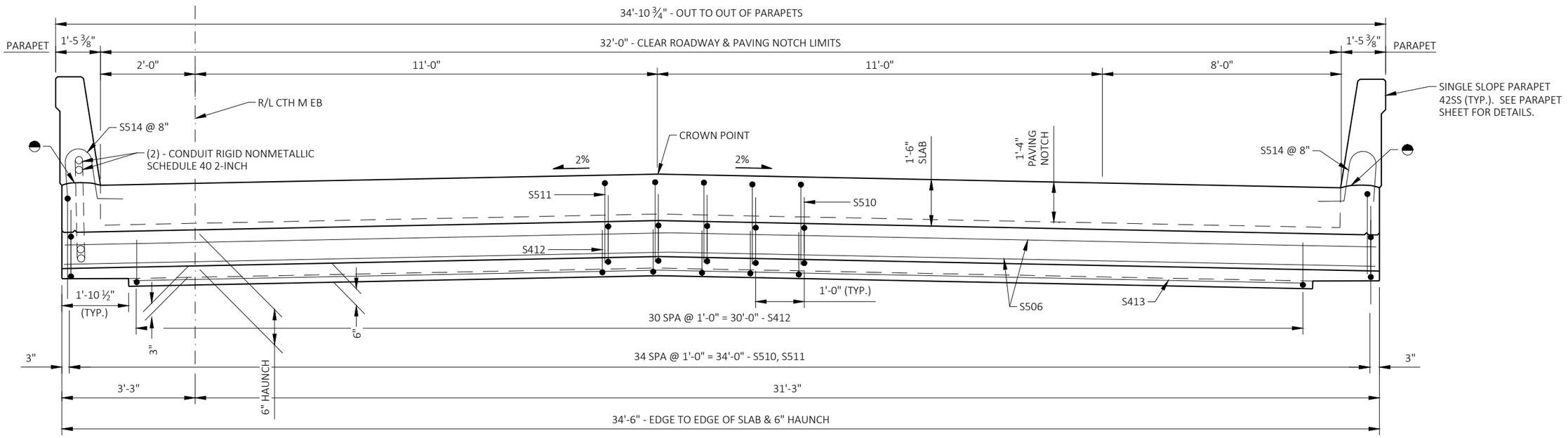
PLOT BY : KL ENGINEERING

STATE PROJECT NUMBER
5954-00-01



CROSS SECTION THRU BRIDGE AT PIER LOOKING EAST

(SHOWING IN-SPAN REINFORCEMENT)



CROSS SECTION THRU BRIDGE AT ABUTMENTS

(EAST ABUTMENT SHOWN LOOKING EAST, WEST ABUTMENT SIMILAR - SLAB REINFORCEMENT NOT SHOWN)

NOTE:
HORIZONTAL DIMENSIONS SHOWN ARE MEASURED PERPENDICULAR TO THE CTH M REFERENCE LINE.

LEGEND

HORIZ. CONSTRUCTION JOINT:
STRIKE OFF AND LEAVE ROUGH AS SHOWN.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

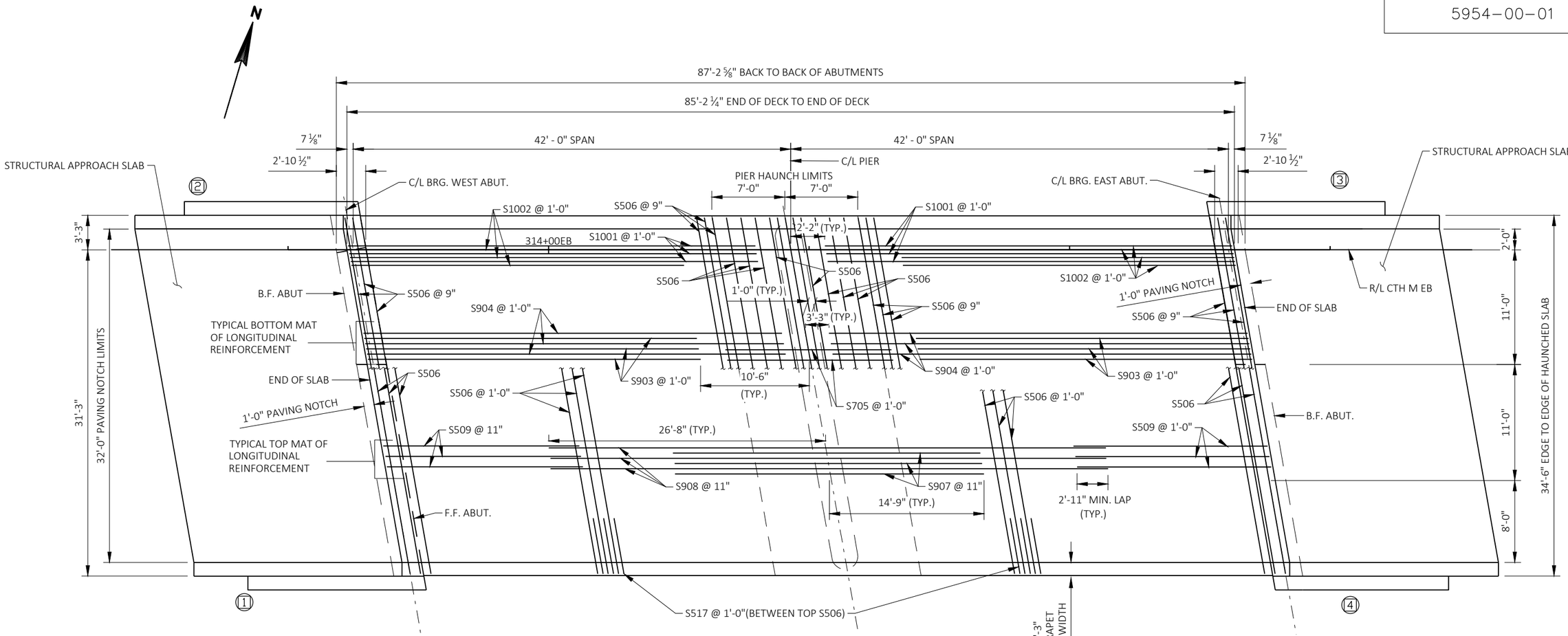
STRUCTURE B-13-895

DRAWN BY STD | PLANS CK'D. CDH

SUPERSTRUCTURE CROSS SECTIONS 2

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\STRUCTURE CAD\B-13-895\080211-SSX-2.DWG
PLOT DATE : 3/27/2023 10:00 AM
PLOT BY : KL ENGINEERING

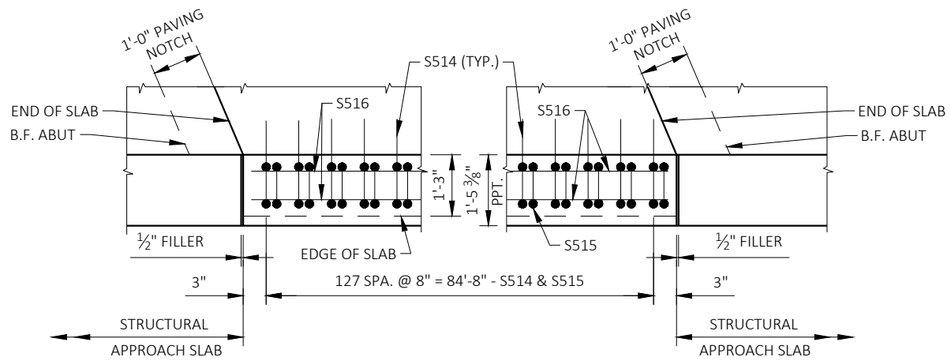
STATE PROJECT NUMBER
5954-00-01



DECK REINFORCEMENT PLAN

LEGEND

(1) INDICATES WING NUMBER



PARTIAL PLAN OF PARAPET REINFORCEMENT

(TYP. @ BOTH SIDES)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-895

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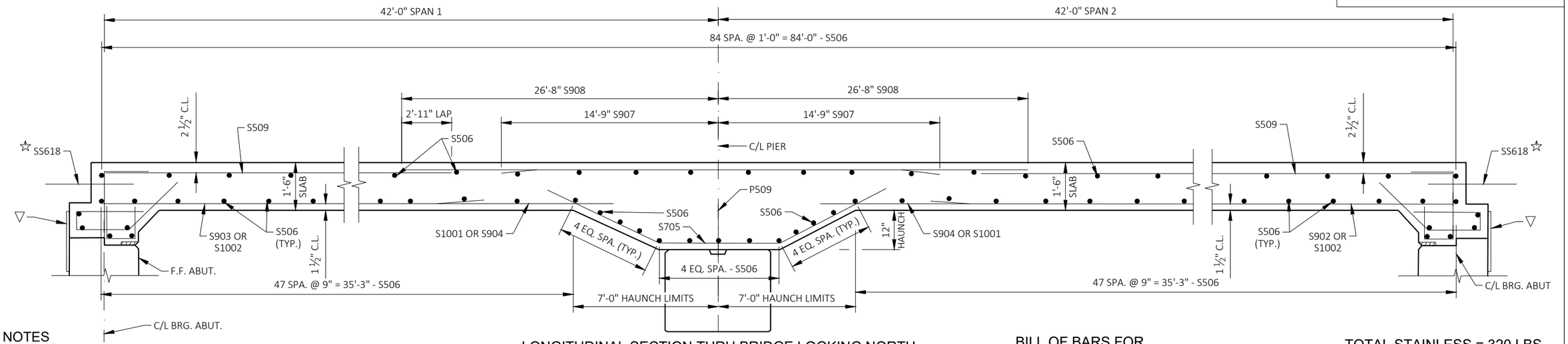
SUPERSTRUCTURE PLAN

SHEET 12 OF 19
790

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\STRUCTURE CAD\B-13-895\080212-SS.DWG PLOT DATE : 3/28/2023 1:34 PM PLOT BY : KL ENGINEERING

STATE PROJECT NUMBER
5954-00-01



LONGITUDINAL SECTION THRU BRIDGE LOOKING NORTH

ALL HORIZONTAL DIMENSIONS ARE TAKEN PARALLEL TO THE R/L CTH M 'EB'
ALL LONGITUDINAL BARS ARE PLACED PARALLEL TO THE R/L CTH M 'EB'
ALL TRANSVERSE BARS ARE PLACED PARALLEL TO C/L SUBSTRUCTURES

NOTES

TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROX. 3'-0" CENTERS EACH WAY. BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROX. 4'-0" CENTERS.

ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

PARAPETS PLACED ON TOP OF THE SLAB SHALL BE POURED AFTER FALSEWORK HAS BEEN RELEASED.

PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF SLAB ELEVATIONS AT THE C/L OF ABUTMENTS, THE C/L OF PIERS AND AT 5/10 PTS. TO VERIFY CAMBER. TAKE ELEVATIONS ALONG GUTTER LINES, R/L CTH M 'EB' AND CROWN POINT.

APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH PRIOR TO POURING STRUCTURAL APPROACH SLAB.

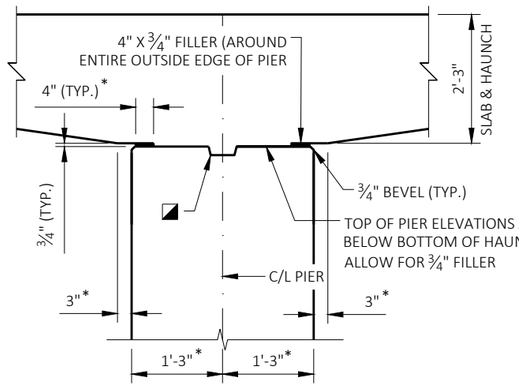
LEGEND

* DIMENSION IS TAKEN PERPENDICULAR TO C/L SUBSTRUCTURES

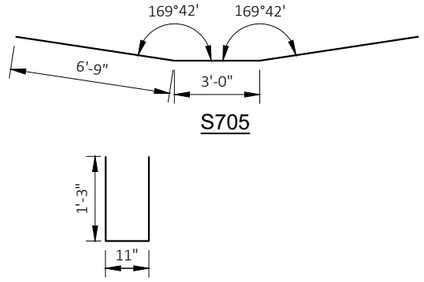
** DIMENSION IS TAKEN PARALLEL TO R/L CTH M EB

☆ THE BID ITEM FOR SS618 BARS SHALL BE STANDARD SPECIAL PROVISION "BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES."

▽ 18" RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORZ. & VERT. JOINTS AT BACKFACE.

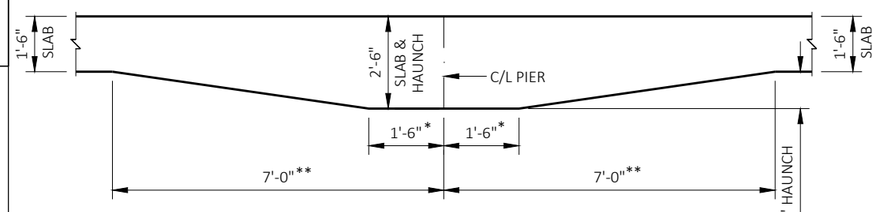


DETAIL AT PIER



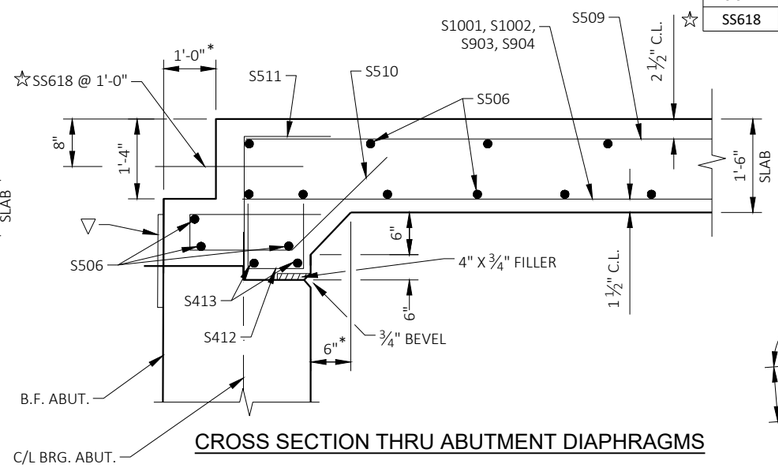
S705

S412

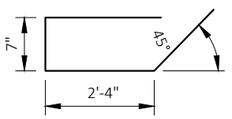


PART LONGITUDINAL SLAB & HAUNCH SECTION AT PIERS LOOKING AT OUTSIDE FACE

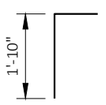
(STEEL REINFORCEMENT NOT SHOWN)



CROSS SECTION THRU ABUTMENT DIAPHRAGMS

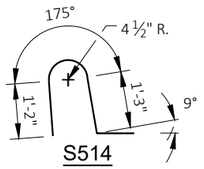


S510

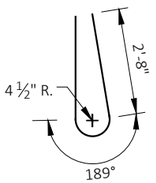


S511

NOTE:
THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.



S514



S515

BILL OF BARS FOR SUPERSTRUCTURE

TOTAL STAINLESS = 320 LBS
TOTAL COATED = 45,210 LBS

BAR MARK	NO. REQ'D.	LENGTH	COAT	STAINLESS STEEL	BENT	LOCATION
S 1001	28	40'-3"	X			SLAB - BOT - LONGIT. - EXTERIOR
S 1002	24	31'-11"	X			SLAB - BOT - LONGIT. - EXTERIOR
S 903	44	31'-11"	X			SLAB - BOT - LONGIT. - INTERIOR
S 904	42	39'-2"	X			SLAB - BOT - LONGIT. - INTERIOR
S 705	35	16'-6"	X		X	SLAB - PIER HAUNCH - BOT. - L ONGIT.
S 506	198	34'-8"	X			SLAB - TRANSVERSE
S 907	37	29'-6"	X			SLAB - TOP - LONGIT.
S 908	38	53'-4"	X			SLAB - TOP - LONGIT.
S 509	76	18'-8"	X			SLAB - TOP - LONGIT.
S 510	70	7'-1"	X		X	ABUT. - HAUNCHES - VERT.
S 511	70	3'-3"	X		X	ABUT. - HAUNCHES - VERT.
S 412	62	3'-3"	X		X	ABUT. - HAUNCHES - VERT.
S 413	4	32'-1"	X			ABUT. - HAUNCHES - HORIZ.
S 514	256	4'-5"	X		X	PARAPETS - SLAB - VERT.
S 515	256	6'-8"	X		X	PARAPETS - VERT.
S 516	32	43'-8"	X			PARAPETS - LONGIT.
S 517	168	5'-0"	X			SLAB - TRANSVERSE - EXTERIOR
SS618	70	3'-0"		X		STRUCTURAL APPROACH SLAB TIES

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

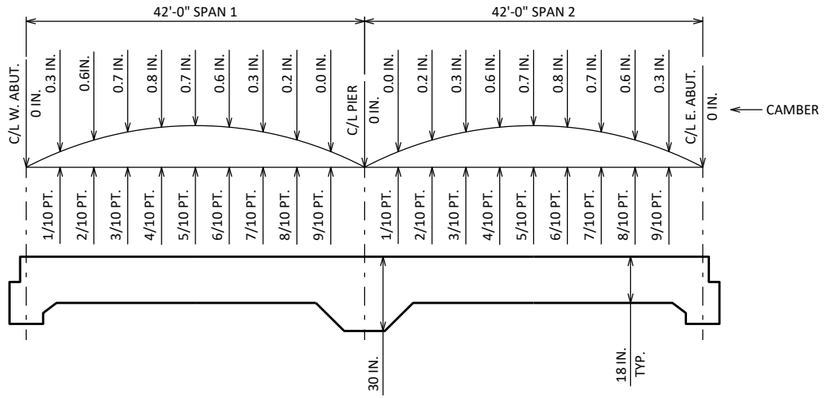
STRUCTURE B-13-895

DRAWN BY STD | PLANS CK'D. CDH

SUPERSTRUCTURE LONGITUDINAL SECTIONS

SHEET 13 OF 19
791

STATE PROJECT NUMBER
5954-00-01



CAMBER AND SLAB THICKNESS DIAGRAM

CAMBER SHOWN IS BASED ON 3 TIMES DEAD LOAD DEFLECTIONS. CAMBER SPANS AS SHOWN TO PROVIDE FOR DEAD LOAD DEFLECTION AND FUTURE CREEP. CAMBER DOES NOT INCLUDE ALLOWANCE FOR FORM SETTLEMENT.
PARAPETS, SIDEWALKS AND MEDIANS PLACED ON TOP OF THE SLAB SHALL BE POURED AFTER FALSEWORK HAS BEEN RELEASED, EXCEPT FOR STAGED CONSTRUCTION.

TO DETERMINE FALSEWORK ELEVATION AT EDGE OF SLAB, CROWN OR REFERENCE LINE FOLLOW THIS PROCEDURE:

	TOP OF SLAB ELEVATION AT FINAL GRADE
LESS	SLAB THICKNESS
PLUS	CAMBER
PLUS	FORM SETTLEMENT/DEFLECTION DUE TO PLACEMENT OF SLAB CONCRETE (TO BE COMPUTED BY THE CONTRACTOR)
EQUALS	TOP OF SLAB FALSEWORK ELEVATION

TOP OF SLAB ELEVATIONS

	W. Abut	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	Pier
North EOD	857.63	857.65	857.67	857.69	857.71	857.73	857.75	857.77	857.79	857.81	857.84
RL	857.69	857.71	857.73	857.75	857.77	857.79	857.81	857.84	857.86	857.88	857.90
Crown	857.92	857.94	857.96	857.98	858.00	858.03	858.05	858.07	858.09	858.11	858.13
South EOD	857.54	857.56	857.58	857.60	857.62	857.64	857.66	857.68	857.70	857.72	857.75
	Pier	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	E. Abut
North EOD	857.84	857.86	857.88	857.90	857.92	857.94	857.96	857.98	858.00	858.02	858.05
RL	857.90	857.92	857.94	857.96	857.98	858.00	858.02	858.05	858.07	858.09	858.11
Crown	858.13	858.15	858.17	858.19	858.21	858.24	858.26	858.28	858.30	858.32	858.34
South EOD	857.75	857.77	857.79	857.81	857.83	857.85	857.87	857.89	857.91	857.93	857.96

SURVEY TOP OF SLAB ELEVATIONS

LOCATION	ABUTMENT	5/10 PT.	PIER	5/10 PT.	ABUTMENT
N. GUTTER					
R/L					
CROWN					
S. GUTTER					

PRIOR TO RELEASING SLAB FALSEWORK, TAKE TOP OF SLAB ELEVATIONS AT THE C/L OF ABUTMENTS, THE C/L OF PIERS AND AT 5/10 PTS. TO VERIFY CAMBER. TAKE ELEVATIONS ALONG GUTTER LINES, CROWN AND R/L. RECORD THE ELEVATIONS IN THE ABOVE TABLE FOR THE "AS BUILT" PLANS.

NOTES

FILL IN THE TABLE OF "SURVEY TOP OF SLAB ELEVATIONS" FOR EACH SPAN ON AS BUILT PLANS.

TOP TRANSVERSE BARS IN SLAB SHALL BE SUPPORTED BY INDIVIDUAL BAR CHAIRS AT APPROXIMATELY 3'-0" CENTERS EACH WAY. BOTTOM LONGITUDINAL BARS SHALL BE SUPPORTED BY CONTINUOUS BAR CHAIRS AT APPROXIMATELY 4'-0" CENTERS.

ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY TOLERANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+).

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-895

DRAWN BY STD | PLANS CK'D CDH

SLAB CAMBER

SHEET 14 OF 19
792

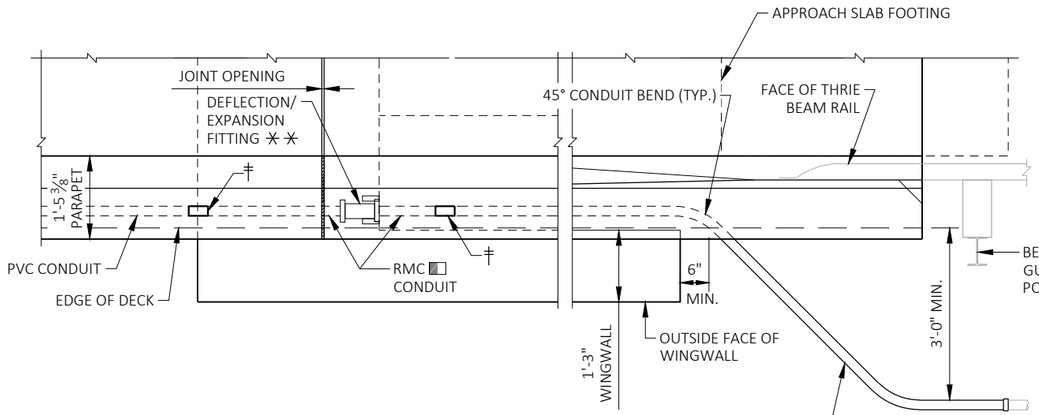
SCALE = 2.25

8

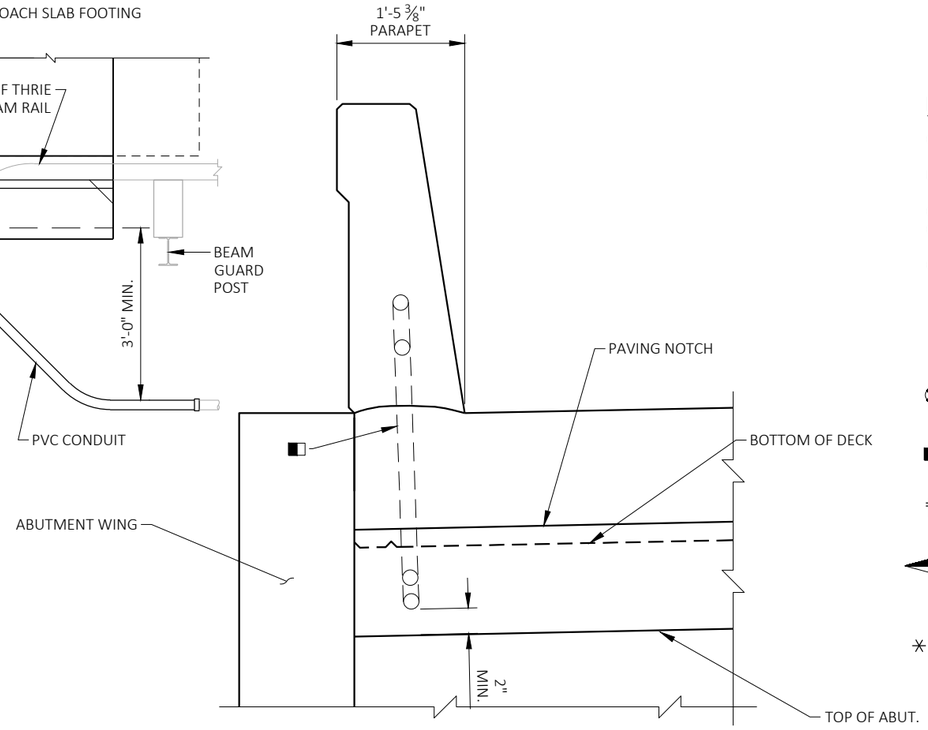
8

STATE PROJECT NUMBER

5954-00-01



PLAN OF PARAPET AT SEMI-EXP. JOINT



SECTION A-A

NOTES

CONDUIT SHALL BE EMBEDDED 2" CLEAR.

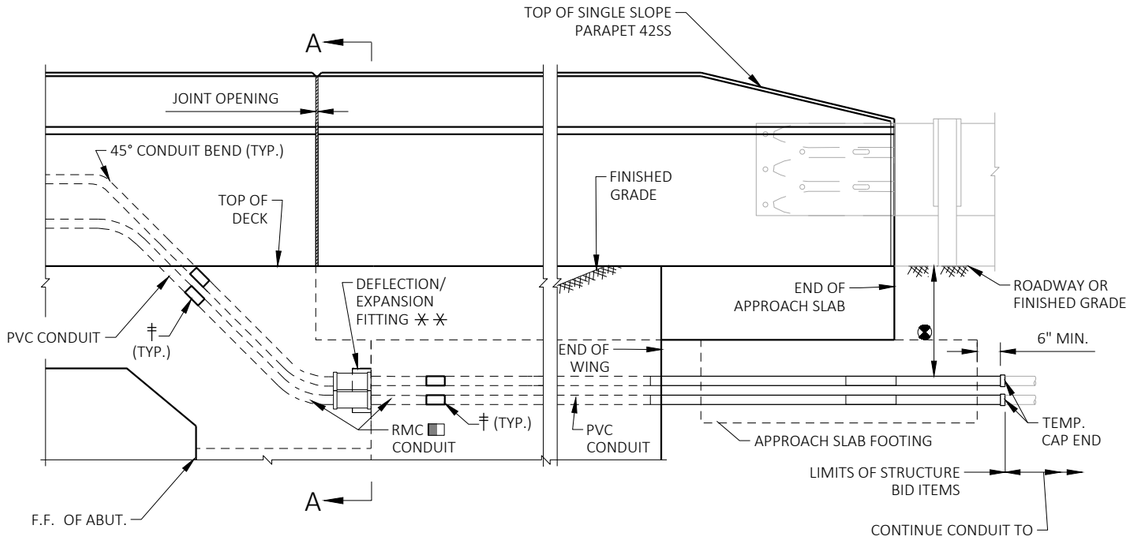
USE 2" DIA. RIGID NON METALLIC CONDUIT (PVC) UNLESS NOTED OTHERWISE.

CONDUIT FITTINGS, CONDUIT BENDS, AND ADAPTER FITTINGS INCIDENTAL TO CONDUIT WORK.

CONDUIT BENDS SHALL CONFORM TO THE NATIONAL ELECTRIC CODE.

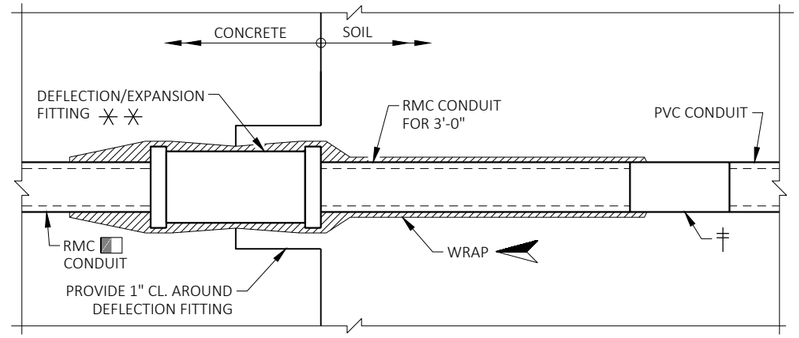
LEGEND

- 2'-0" MIN. CONDUIT COVER UNDER ROADWAYS, 1'-6" OTHERWISE. CONDUIT COVER SHOULD NOT EXCEED 3'-0".
- USE 2-INCH DIA. RIGID METALLIC (RMC) CONDUIT AT FITTINGS. PROVIDE RMC FOR 3'-0" MIN. ON EACH SIDE OF JOINT OPENINGS.
- NON-METALLIC CONDUIT TO METALLIC CONDUIT ADAPTER FITTING (UL OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED).
- SPONGE RUBBER WRAP TO AASHTO M153, TYPE 1 OR EQUIVALENT - ¼" MINIMUM THICKNESS. PROVIDE WRAP FOR THE ENTIRE LENGTH OF THE FITTING OR AS SHOWN. SPONGE RUBBER WRAP INCIDENTAL TO "CONDUIT RIGID METALLIC 2-INCH".
- ✳✳ DEFLECTION/EXPANSION FITTING REQUIREMENTS:
  UP TO ¾" CONDUIT CONTRACTION OR EXPANSION AND UP TO 30 DEGREES OF ANGULAR MISALIGNMENT IN ANY DIRECTION WITH BONDING JUMPER



OUTSIDE ELEVATION OF PARAPET AT SEMI-EXP. JOINT

(SHOWING CONDUIT SYSTEM FOR < ¾" WITH STRUCTURAL APPROACH SLAB)



DEFLECTION/EXPANSION FITTING

THIS DETAIL ACCOMMODATES A MAXIMUM OF ¾" TOTAL MOVEMENT AND UP TO 30 DEGREES OF ANGULAR MISALIGNMENT IN ANY DIRECTION. BOND JUMPER NOT SHOWN FOR CLARITY. (CONCRETE TO SOIL FITTING)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-895

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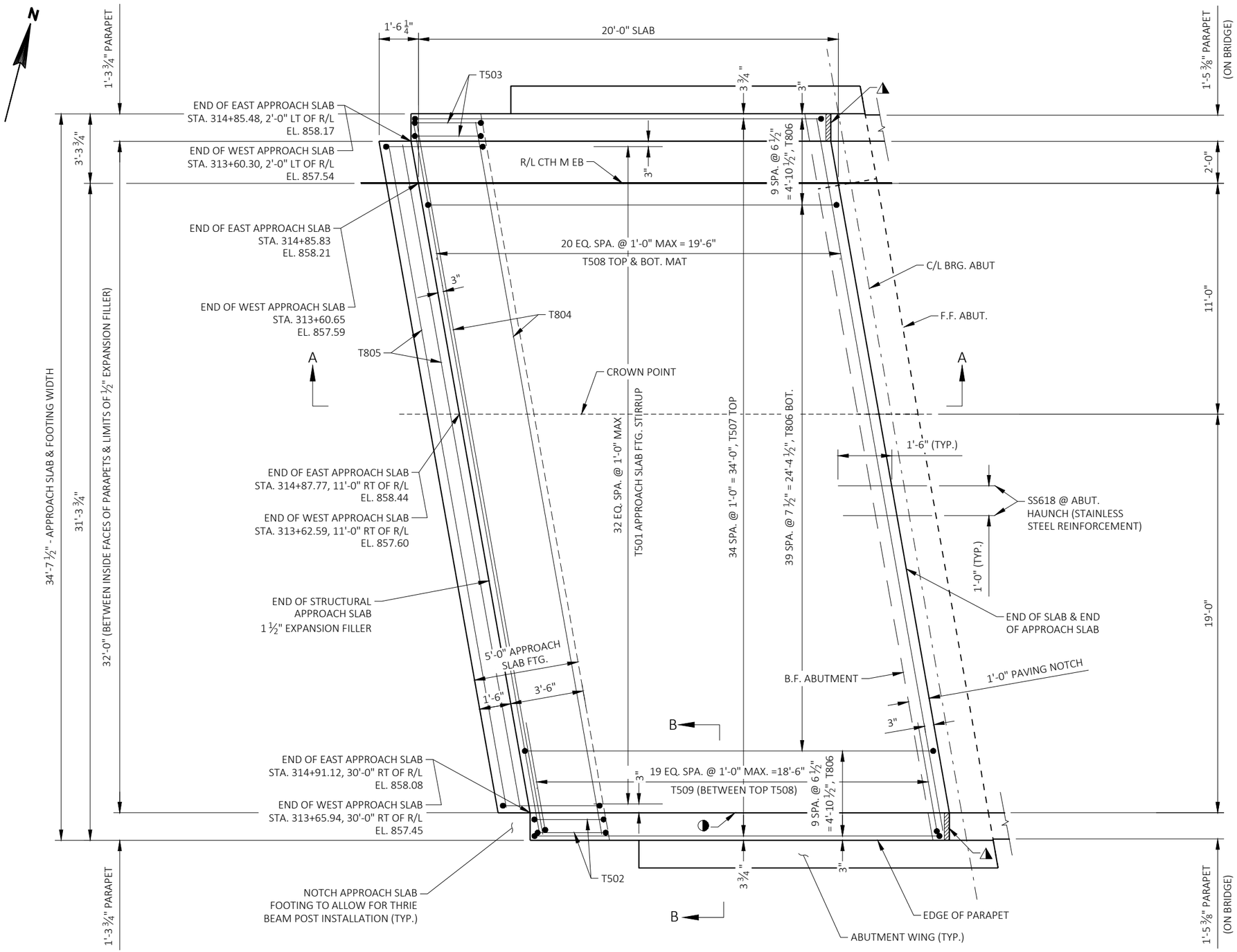
CONDUIT DETAILS AND NOTES

SHEET 15 OF 19

793

STATE PROJECT NUMBER
5954-00-01



PLAN

WEST STRUCTURAL APPROACH SLAB SHOWN
EAST STRUCTURAL APPROACH SLAB SIMILAR

LEGEND

- ◭ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).
- ◑ SEE PARAPET STANDARD DETAILS FOR LOCATION OF NAME PLATE AND BENCH MARK WITH RESPECT TO THE END OF THE PARAPET.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

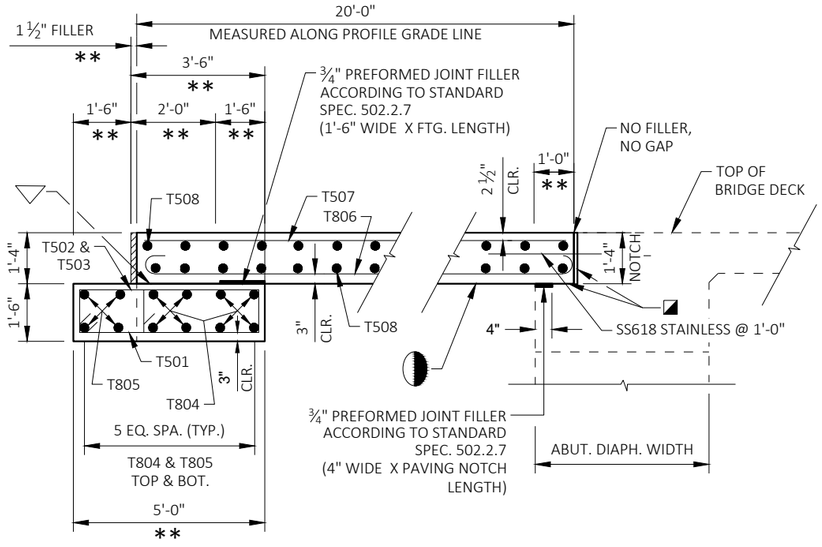
STRUCTURE B-13-895

DRAWN BY STD | PLANS CK'D. CDH

STRUCTURAL APPROACH SLAB

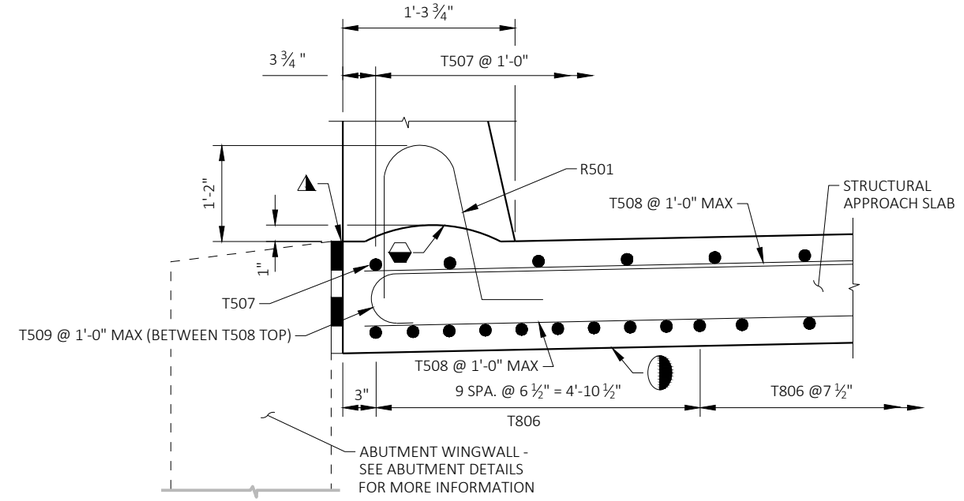
SHEET 16 OF 19
794

STATE PROJECT NUMBER
5954-00-01



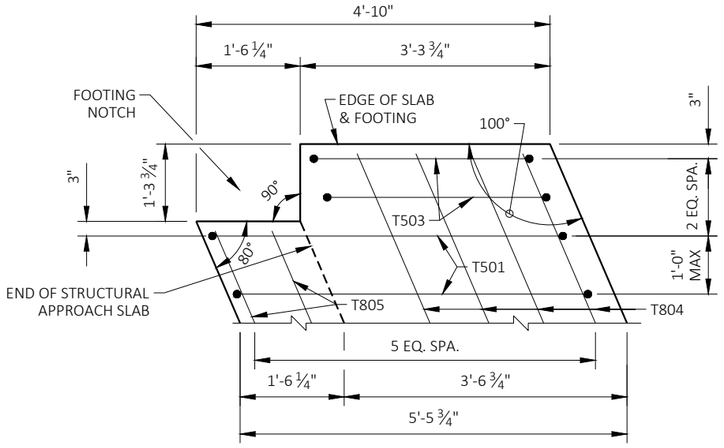
SECTION A-A THRU APPROACH SLAB

WEST APPROACH SLAB SHOWN / EAST APPROACH SLAB SIMILAR

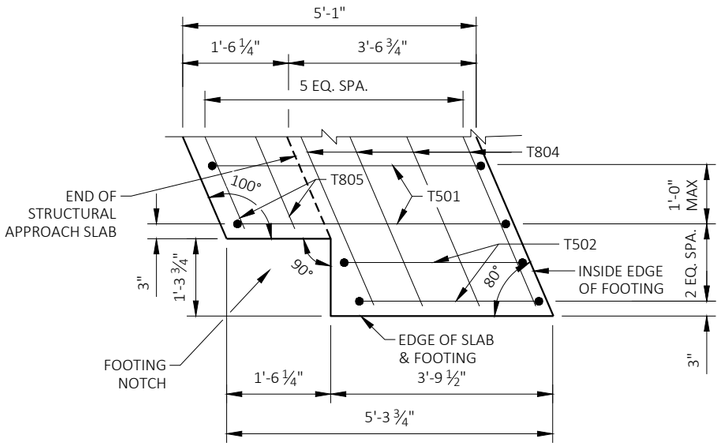


SECTION B-B (EDGE OF SLAB DETAIL)

EDGES OF WEST APPROACH SLAB SHOWN / EAST APPROACH SLAB SIMILAR



SLAB FOOTING PLAN DETAIL @ NW CORNER



SLAB FOOTING PLAN DETAIL @ SW CORNER

LEGEND

- APPLY PROTECTIVE SURFACE TREATMENT TO ENTIRE PAVING NOTCH SURFACE PRIOR TO PAVING THE STRUCTURAL APPROACH SLAB.
- ** DIMENSION MEASURED NORMAL TO ABUTMENT BODY
- SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE)
- STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN.) TOTAL THK. OF POLYETHELENE SHEETS OVER THE ENTIRE TOP OF FOOTING.
- PLACE MULTIPLE LAYERS (0.03" MIN.) TOTAL THK. OF POLYETHELENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.
- CONST. JOINT - STRIKE OFF AS SHOWN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-895

DRAWN BY STD | PLANS CK'D. CDH

STRUCTURAL APPROACH SLAB DETAILS-1

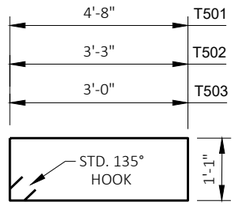
SHEET 17 OF 19
795

STATE PROJECT NUMBER
5954-00-01

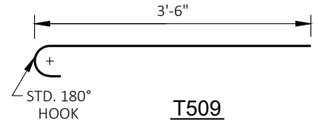
STRUCTURAL APPROACH SLAB BILL OF BARS

TOTAL COATED = 14,530 LBS

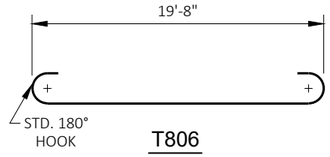
BAR MARK	NO. REQ'D.	LENGTH	COAT	BENT	LOCATION
T501	66	12'-2"	X	X	APPROACH SLAB FTG. STIRRUP
T502	4	9'-4"	X	X	APPROACH SLAB FTG. CORNERS STIRRUP
T503	4	8'-10"	X	X	APPROACH SLAB FTG. CORNERS STIRRUP
T804	16	34'-10"	X		APPROACH SLAB FTG. TRANS.
T805	8	32'-2"	X		APPROACH SLAB FTG. TRANS.
T806	118	21'-6"	X	X	APPROACH SLAB LONG. BTM
T507	70	19'-8"	X		APPROACH SLAB LONG. TOP
T508	84	34'-10"	X		APPROACH SLAB TRANS. TOP & BTM
T509	40	4'-1"	X	X	APPROACH SLAB TRANS. TOP WING



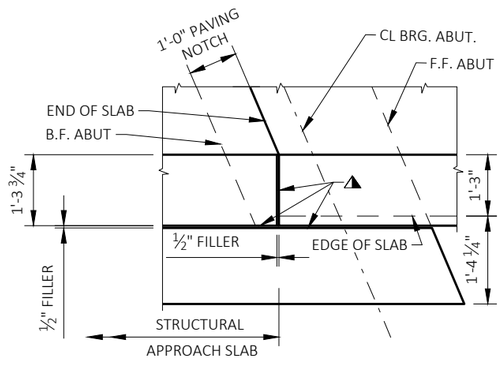
T501, T502, T503

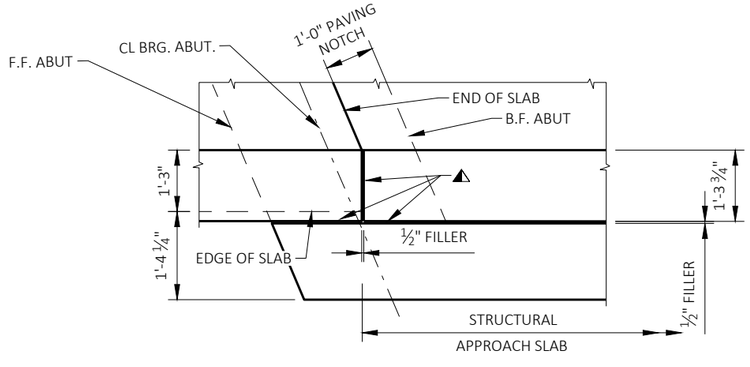


T509



T806





PARTIAL PLAN OF PARAPET REINFORCEMENT

(TYP. @ BOTH SIDES)

LEGEND

⚠ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1/2" FILLER WITH NON - STAINING GRAY NON - BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE).

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-895

DRAWN BY STD | PLANS CK'D. CDH

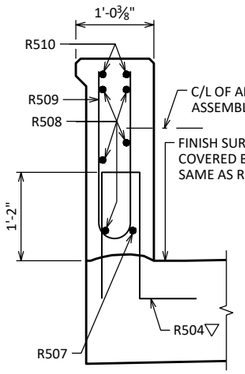
STRUCTURAL APPROACH SLAB DETAILS-2

SHEET 18 OF 19

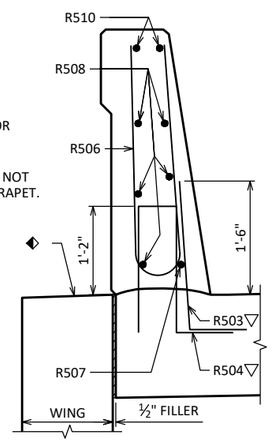
796

STATE PROJECT NUMBER

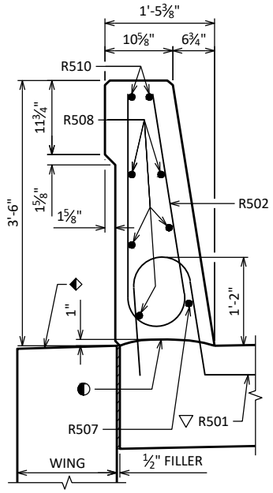
5954-00-01



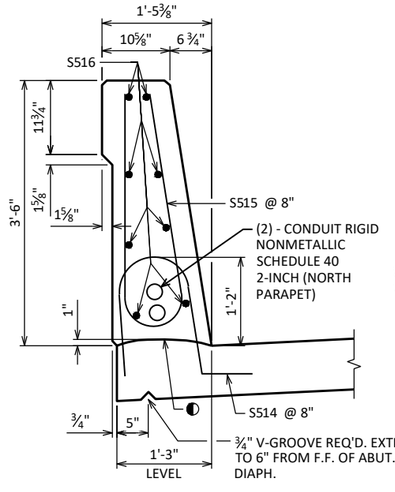
SECTION A-A



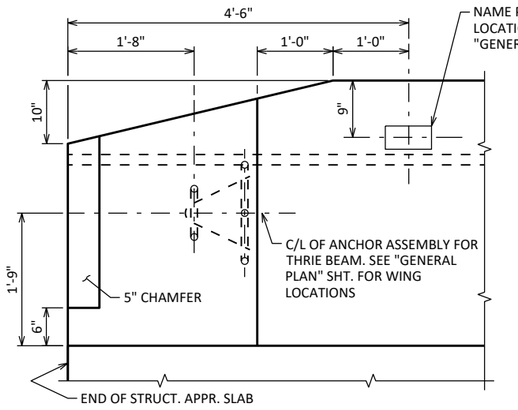
SECTION B-B



SECTION C-C



SECTION THRU PARAPET ON DECK



PARAPET END TREATMENT DETAIL

LOOKING AT INSIDE FACE OF PARAPET

BILL OF BARS

TOTAL COATED = 2,320 LBS

FOR STRUCTURAL APPOACH SLAB PARAPETS

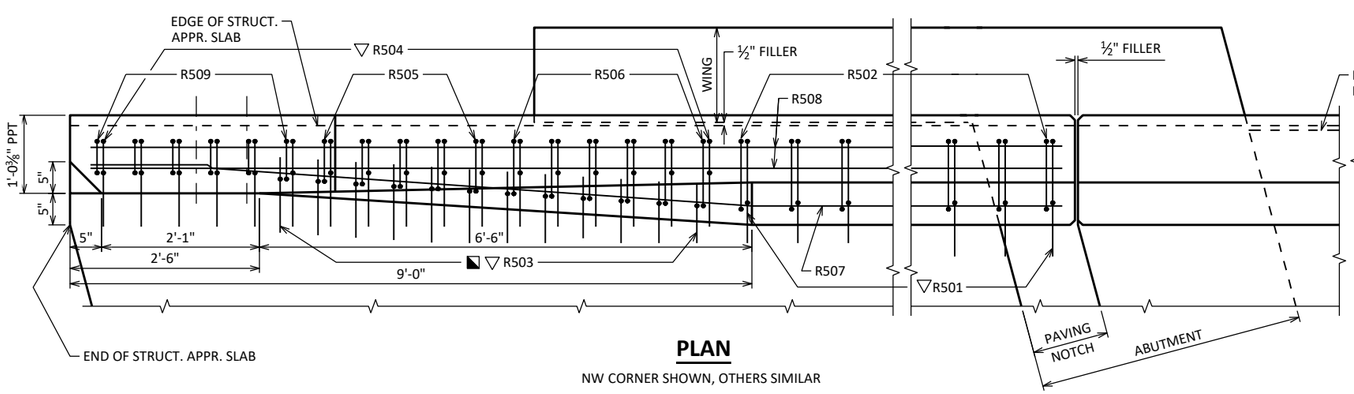
BAR MARK	COAT	W. ABUT.	E. ABUT.	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	34	34	4'-5"	X		PARAPET VERT.
R502	X	34	34	6'-8"	X		PARAPET VERT.
R503	X	24	24	2'-9"	X		PARAPET VERT.
R504	X	34	34	4'-4"	X		PARAPET VERT.
R505	X	10	10	6'-5"	X		PARAPET VERT.
R506	X	12	12	6'-6"	X		PARAPET VERT.
R507	X	2	2	19'-7"	X		PARAPET HORIZ.
R508	X	10	10	19'-7"			PARAPET HORIZ.
R509	X	12	12	5'-5"	X	⚠	PARAPET VERT.
R510	X	4	4	19'-7"	X		PARAPET HORIZ.

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

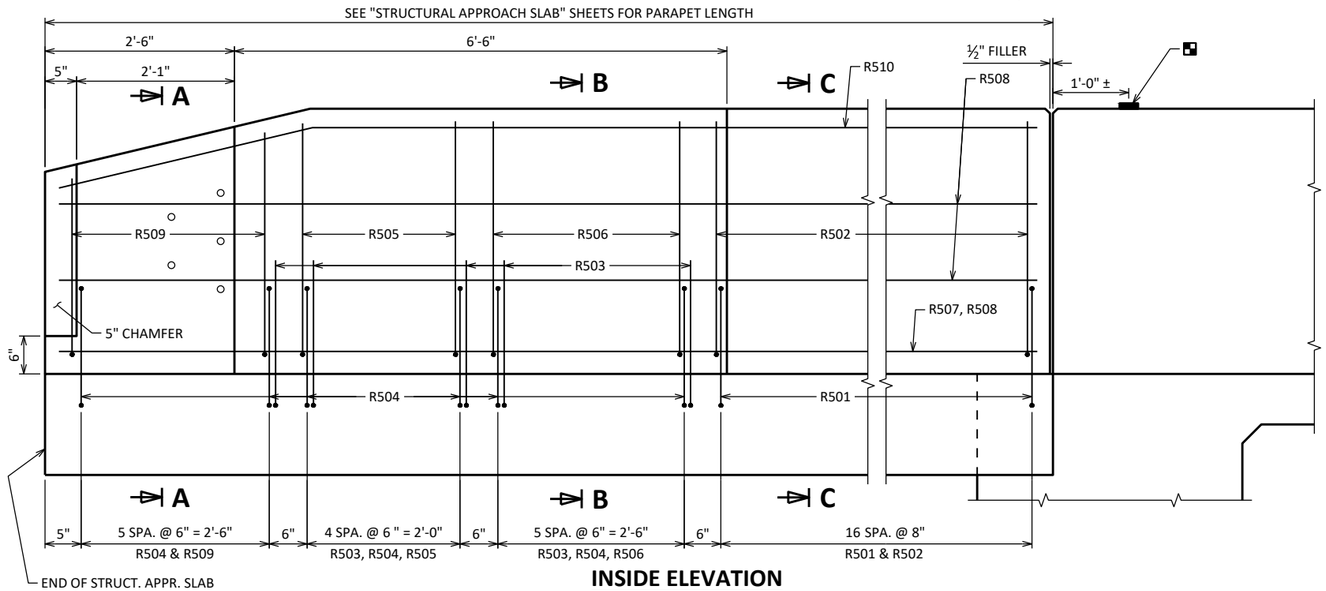
BUNDLE AND TAG EACH SERIES SEPARATELY.

BAR MARK	NO. REQ'D.	LENGTH
R509	2 SERIES OF 6	4'-9" TO 6'-1"



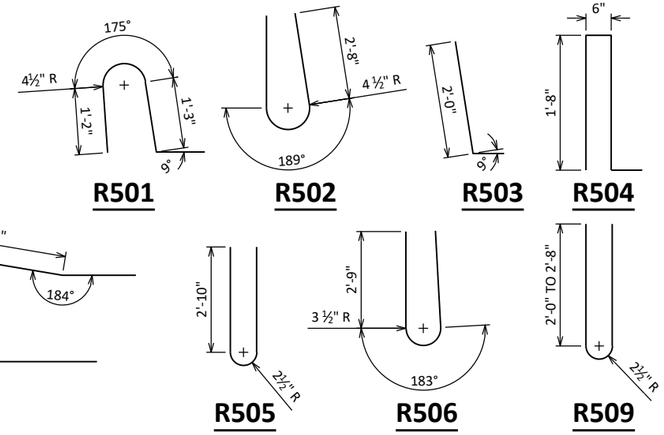
PLAN

NW CORNER SHOWN, OTHERS SIMILAR



INSIDE ELEVATION

NW CORNER SHOWN, OTHERS SIMILAR
WING & STRUCTURAL APPROACH SLAB FOOTING NOT SHOWN FOR CLARITY



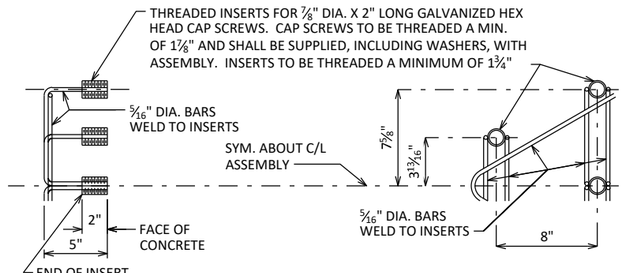
■ BENCH MARK CAP (WHEN SUPPLIED). AVOID PLACING A BENCH MARK CAP BELOW A RAIL OR FENCE SYSTEM THAT IS ATTACHED TO THE TOP OF THE PARAPET.

◐ CONST. JOINT - STRIKE OFF AS SHOWN

◆ SLOPE FOR DRAINAGE

◣ USE CARE TO PLACE R503 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

▽ R501, R503, AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.



DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-13-895

DRAWN BY STD | PLANS CK'D CDH

SINGLE SLOPE PARAPET 42SS

SHEET 19 OF 19

797

SCALE = 2.00

8

8

Division 1 - CTH M EB - Temporary Pavement

STATION	REAL STATION	DISTANCE	AREA (SE)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
302+56.945	30256.95	0.00	7.81	0	0.00	0	0	0	0	0	0
304+00	30400.00	143.05	30.83	0	0.00	102	0	0	102	0	102
305+00	30500.00	100.00	31.56	0	0.00	116	0	0	218	0	218
306+00	30600.00	100.00	28.23	0	0.00	111	0	0	329	0	329
307+00	30700.00	100.00	13.58	0	0.00	77	0	0	406	0	406
308+00	30800.00	100.00	13.23	0	0.00	50	0	0	456	0	456
308+50	30850.00	50.00	0.00	0	0.00	12	0	0	468	0	468
											468
309+53.706	30953.71	0.00	11.30	0	0.00	0	0	0	0	0	468
310+00	31000.00	46.29	13.85	0	0.00	22	0	0	22	0	490
311+00	31100.00	100.00	22.00	0	0.00	66	0	0	88	0	556
312+00	31200.00	100.00	17.05	0	0.00	72	0	0	160	0	628
312+36.339	31236.34	36.34	11.27	0	0.00	19	0	0	179	0	647
320+74.53	32074.53	0.00	13.24	0	0.00	0	0	0	0	0	0
321+00	32100.00	25.47	15.95	0	0.00	14	0	0	14	0	14
322+00	32200.00	100.00	23.24	0	0.00	73	0	0	87	0	87
323+00	32300.00	100.00	32.95	0	0.00	104	0	0	191	0	191
324+00	32400.00	100.00	22.50	0	0.00	103	0	0	294	0	294
325+00	32500.00	100.00	13.93	0	0.00	67	0	0	361	0	361
326+00	32600.00	100.00	14.32	0	0.00	52	0	0	413	0	413
326+50	32650.00	50.00	14.28	0	0.00	26	0	0	439	0	439
327+50	32750.00	0.00	28.12	0	0.00	0	0	0	0	0	0
328+00	32800.00	50.00	45.07	0	0.00	68	0	0	68	0	68
329+00	32900.00	100.00	35.45	0	0.00	149	0	0	217	0	217
330+00	33000.00	100.00	25.61	0	2.24	113	0	4	330	5	325
331+00	33100.00	100.00	10.33	0	2.12	67	0	8	397	15	382
332+00	33200.00	100.00	10.01	0	11.74	38	0	26	435	48	388
333+00	33300.00	100.00	9.09	0	14.24	35	0	48	470	108	363
334+00	33400.00	100.00	9.53	0	10.70	34	0	46	504	165	339
335+00	33500.00	100.00	7.77	0	23.95	32	0	64	536	245	291
336+00	33600.00	100.00	8.51	0	16.52	30	0	75	566	339	227
337+00	33700.00	100.00	7.20	0	10.44	29	0	50	595	401	194
338+00	33800.00	100.00	7.88	0	5.26	28	0	29	623	438	186
339+00	33900.00	100.00	10.79	0	0.00	35	0	10	658	450	208
349+00	34900.00	0.00	14.76	0	0.00	0	0	0	0	0	0
350+00	35000.00	100.00	27.71	0	0.00	79	0	0	79	0	79
351+00	35100.00	100.00	28.07	0	0.00	103	0	0	182	0	182
352+00	35200.00	100.00	13.58	0	0.00	77	0	0	259	0	259
353+00	35300.00	100.00	13.11	0	0.00	49	0	0	308	0	308
353+93.496	35393.50	93.50	10.76	0	0.00	41	0	0	349	0	349
355+14.267	35514.27	0.00	12.12	0	0.00	0	0	0	0	0	0
356+00	35600.00	85.73	13.28	0	0.00	40	0	0	40	0	40
357+00	35700.00	100.00	28.25	0	0.00	77	0	0	117	0	117
358+00	35800.00	100.00	24.37	0	0.00	97	0	0	214	0	214
358+82.389	35882.39	82.39	14.22	0	0.00	59	0	0	273	0	273
376+00	37600.00	0.00	3.04	0	0.00	0	0	0	0	0	0
377+00	37700.00	100.00	20.50	0	0.00	44	0	0	44	0	44
377+88.843	37788.84	88.84	30.88	0	0.21	85	0	0	129	0	129
379+00	37900.00	0.00	24.89	0	0.00	0	0	0	0	0	0
380+00	38000.00	100.00	25.31	0	0.00	93	0	0	93	0	93
381+00	38100.00	100.00	40.44	0	0.00	122	0	0	215	0	215
382+00	38200.00	100.00	45.64	0	0.00	159	0	0	374	0	374
383+00	38300.00	100.00	51.10	0	0.00	179	0	0	553	0	553
384+00	38400.00	100.00	37.97	0	0.00	165	0	0	718	0	718
385+00	38500.00	100.00	26.61	0	0.00	120	0	0	838	0	838
386+00	38600.00	100.00	14.02	0	0.00	75	0	0	913	0	913

Division 1 - CTH M EB - Stage 1

			AREA (5E)							INCREMENTAL VOL (CY) (UNADJU5TED)							CUMULATIVE VOL (CY)							
5TATION	REAL 5TATION	DI5TANCE	CUT	SALVAGED/ UNU5ABLE PAVEMENT MATERIAL	FILL	MAR5H EXC	5elect Borrow Geogrid	Borrow	EBS	CUT NOTE 1	5ALVAGED/ UNU5ABLE PAVEMENT MATERIAL NOTE 2	EILL NOTE 3	MAR5H EXC	5elect Borrow Geogrid	Borrow	EBS	CUT 1.00 NOTE 1	EXPANDED EILL 1.25	EXPANDED MAR5H BACKEILL 1.50 NOTE 4	Expanded 5elect Borrow Geogrid 1.30	EXPANDED Borrow BACKEILL 1.30 NOTE 9	EXPANDED EBS BACKEILL 1.30 NOTE 5	REDUCED EB5 IN EILL 0.80 NOTE 7	MA55 ORDINATE NOTE 8
275+00	27500.00	0.00	367.83	0	5.97	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
276+00	27600.00	100.00	430.66	0	11.48	0.00	0.00	0.00	0.00	1,479	0	32	0	0	0	0	1,479	40	0	0	0	0	0	1,439
277+00	27700.00	100.00	519.71	0	10.03	0.00	0.00	0.00	0.00	1,760	0	40	0	0	0	0	3,239	90	0	0	0	0	0	3,149
278+00	27800.00	100.00	611.21	0	11.03	0.00	0.00	0.00	0.00	2,094	0	39	0	0	0	0	5,333	139	0	0	0	0	0	5,194
279+00	27900.00	100.00	483.30	0	14.99	0.00	0.00	0.00	0.00	2,027	0	48	0	0	0	0	7,360	199	0	0	0	0	0	7,161
280+00	28000.00	100.00	200.62	0	140.99	0.00	0.00	0.00	123.49	1,267	0	289	0	0	0	229	8,627	331	0	0	0	298	183	8,296
281+00	28100.00	100.00	118.78	0	247.86	271.86	0.00	0.00	0.00	591	0	720	503	0	0	229	9,218	1,002	755	0	0	595	366	8,216
282+00	28200.00	100.00	96.23	0	265.53	700.29	0.00	0.00	0.00	398	0	951	1,800	0	0	0	9,616	2,191	3,455	0	0	595	366	7,425
283+00	28300.00	100.00	16.35	0	421.97	376.06	0.00	0.00	0.00	208	0	1,273	1,993	0	0	0	9,824	3,782	6,444	0	0	595	366	6,042
283+26	28326.48	26.48	34.35	0	413.02	356.35	0.00	0.00	0.00	25	0	409	359	0	0	0	9,849	4,293	6,983	0	0	595	366	5,556
284+00	28400.00	73.52	43.28	0	362.31	281.03	0.00	0.00	0.00	106	0	1,056	868	0	0	0	9,955	5,613	8,285	0	0	595	366	4,342
285+00	28500.00	100.00	40.46	0	337.70	179.64	0.00	0.00	0.00	155	0	1,296	853	0	0	0	10,110	7,233	9,564	0	0	595	366	2,877
286+00	28600.00	100.00	42.48	0	326.68	0.00	0.00	0.00	167.40	154	0	1,230	333	0	0	310	10,264	8,461	10,064	0	0	998	614	1,803
287+00	28700.00	100.00	10.26	0	292.54	0.00	0.00	0.00	177.70	98	0	1,147	0	0	0	639	10,362	9,256	10,064	0	0	1,829	1,126	1,107
288+00	28800.00	100.00	10.63	0	173.51	0.00	0.00	0.00	91.91	39	0	863	0	0	0	499	10,401	9,835	10,064	0	0	2,478	1,525	566
310+00	31000.00	0.00	153.00	0	0.69	0.00	0.00	0.00	176.81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
311+00	31100.00	100.00	17.96	0	5.05	0.00	0.00	0.00	136.37	317	0	11	0	0	0	580	317	-566	0	0	0	754	464	883
312+00	31200.00	100.00	18.72	0	34.93	155.27	0.00	0.00	0.00	68	0	74	288	0	0	253	385	-727	432	0	0	1,083	666	1,112
312+26	31225.93	25.93	16.69	0	67.53	150.89	0.00	0.00	0.00	17	0	49	147	0	0	0	402	-666	653	0	0	1,083	666	1,068
313+00	31300.00	74.07	3.98	0	130.74	264.01	0.00	0.00	0.00	28	0	272	569	0	0	0	430	-326	1,506	0	0	1,083	666	756
313+75	31375.00	75.00	0.00	0	143.86	508.29	0.00	0.00	0.00	6	0	381	1,073	0	0	0	436	151	3,116	0	0	1,083	666	285
314+88	31488.60	0.00	0.01	0	193.90	631.41	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
315+00	31500.00	11.40	0.01	0	193.90	631.41	0.00	0.00	0.00	0	0	82	267	0	0	0	0	103	401	0	0	0	0	-103
316+00	31600.00	100.00	1.06	0	198.32	257.35	0.00	0.00	0.00	2	0	726	1,646	0	0	0	2	1,010	2,870	0	0	0	0	-1,008
317+00	31700.00	100.00	1.10	0	168.64	270.46	0.00	0.00	0.00	4	0	680	977	0	0	0	6	1,860	4,335	0	0	0	0	-1,854
318+00	31800.00	100.00	15.42	0	69.42	0.00	0.00	0.00	224.05	31	0	441	501	0	0	415	37	1,996	5,087	0	0	540	332	-1,959
319+00	31900.00	100.00	32.21	0	32.08	0.00	0.00	0.00	153.13	88	0	188	0	0	0	698	125	1,533	5,087	0	0	1,447	890	-1,408
321+00	32100.00	0.00	226.00	0	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
322+00	32200.00	100.00	181.00	0	15.00	180.00	103.00	47.00	0.00	754	0	28	333	191	87	0	754	-275	500	248	113	0	0	719
323+00	32300.00	100.00	215.00	0	15.00	530.00	145.00	53.00	0.00	733	0	56	1,315	459	185	0	1,487	-951	2,472	845	354	0	0	1,382
324+00	32400.00	100.00	185.00	0	15.00	683.00	137.00	42.00	0.00	741	0	56	2,246	522	176	0	2,228	-1,730	5,841	1,524	582	0	0	2,053
325+00	32500.00	100.00	158.00	0	15.00	813.00	218.00	22.00	0.00	635	0	56	2,770	657	119	0	2,863	-2,727	9,996	2,378	737	0	0	2,618
326+00	32600.00	100.00	171.00	0	15.00	1065.00	233.00	18.00	0.00	609	0	56	3,478	835	74	0	3,472	-4,014	15,213	3,463	833	0	0	3,157
327+00	32700.00	100.00	100.00	0	0.00	216.93	0.00	0.00	0.00	502	0	28	2,374	431	33	0	3,974	-4,679	18,774	4,024	876	0	0	3,624
328+00	32800.00	100.00	162.00	0	15.00	1016.00	133.00	20.00	0.00	485	0	28	2,283	246	37	0	4,459	-5,044	22,199	4,343	924	0	0	4,074
329+00	32900.00	100.00	157.00	0	15.00	966.00	121.00	27.00	0.00	591	0	56	3,670	470	87	0	5,050	-5,738	27,704	4,954	1,037	0	0	4,595
330+00	33000.00	100.00	157.00	0	15.00	929.00	127.00	20.00	0.00	581	0	56	3,509	459	87	0	5,631	-6,414	32,967	5,551	1,151	0	0	5,106
331+00	33100.00	100.00	159.00	0	15.00	766.00	170.00	28.00	0.00	585	0	56	3,139	550	89	0	6,216	-7,238	37,676	6,266	1,266	0	0	5,621
332+00	33200.00	100.00	163.00	0	15.00	462.00	166.00	39.00	0.00	596	0	56	2,274	622	124	0	6,812	-8,178	41,087	7,075	1,427	0	0	6,147
333+00	33300.00	100.00	160.00	0	15.00	290.00	171.00	39.00	0.00	598	0	56	1,393	624	144	0	7,410	-9,122	43,176	7,886	1,615	0	0	6,675
334+00	33400.00	100.00	191.00	0	15.00	247.00	256.00	33.00	0.00	650	0	56	994	791	133	0	8,060	-10,338	44,667	8,914	1,788	0	0	7,255
335+00	33500.00	100.00	140.00	0	15.00	294.00	171.00	22.00	0.00	613	0	56	1,002	791	102	0	8,673	-11,553	46,170	9,942	1,920	0	0	7,798
336+00	33600.00	100.00	50.00	0	15.00	0.00	0.00	0.00	0.00	352	0	56	544	317	41	0	9,025	-11,998	46,986	10,355	1,973	0	0	8,080

Division 1 - WOODLAND DR - Stage 1

STATION	REAL STATION	DISTANCE	AREA (SF)					INCREMENTAL VOL (CY) (UNADJUSTED)					CUMULATIVE VOL (CY)					
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	Select Borrow Geogrid	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	MARSH EXC	Select Borrow Geogrid	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED MARSH BACKFILL 1.50 NOTE 4	Expanded Select Borrow Geogrid 1.30	REDUCED MARSH IN FILL 1.00 NOTE 6	MASS ORDINATE NOTE 8
12+00	1200.00	0.00	150.00	0	95.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0
12+50	1250.00	50.00	180.00	0	25.00	596.00	96.00	306	0	111	552	89	306	-6	828	116	552	167
13+00	1300.00	50.00	221.00	0	13.00	580.00	97.00	371	0	35	1,089	179	677	-253	2,462	348	1,641	495
13+50	1350.00	50.00	230.00	0	13.00	510.00	99.00	418	0	24	1,009	181	1,095	-517	3,975	584	2,650	883
14+00	1400.00	50.00	245.00	0	13.00	457.00	101.00	440	0	24	895	185	1,535	-788	5,318	824	3,545	1,293
14+50	1450.00	50.00	240.00	0	13.00	470.00	101.00	449	0	24	858	187	1,984	-1,062	6,605	1,067	4,403	1,712
15+00	1500.00	50.00	232.00	0	13.00	480.00	102.00	437	0	24	880	188	2,421	-1,337	7,925	1,312	5,283	2,119
15+50	1550.00	50.00	220.00	0	13.00	470.00	99.00	419	0	24	880	186	2,840	-1,609	9,245	1,554	6,163	2,508
16+00	1600.00	50.00	211.00	0	13.00	460.00	95.00	399	0	24	861	180	3,239	-1,872	10,536	1,788	7,024	2,877
16+50	1650.00	50.00	115.00	0	13.00	178.11	50.00	302	0	24	591	134	3,541	-2,060	11,423	1,962	7,615	3,149
17+00	1700.00	50.00	148.60	0	22.68	0.00	0.00	244	0	33	165	46	3,785	-2,093	11,670	2,022	7,780	3,351

Division 1 - CTH MEB - Stage 2

STATION	REAL STATION	DISTANCE	AREA (SE)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED EILL 1.25	MASS ORDINATE NOTE 8
301+00	30100.00	0.00	82.57	0	21.18	0	0	0	0	0	0
302+00	30200.00	100.00	146.18	0	0.00	424	0	39	424	49	375
303+00	30300.00	100.00	142.23	0	4.60	534	0	9	958	60	898
304+00	30400.00	100.00	147.08	0	0.61	536	0	10	1,494	73	1,422
305+00	30500.00	100.00	98.95	0	1.17	456	0	3	1,950	76	1,874
306+00	30600.00	100.00	86.13	0	11.03	343	0	23	2,293	105	2,188
307+00	30700.00	100.00	86.12	0	81.96	319	0	172	2,612	320	2,292
308+00	30800.00	100.00	46.80	0	25.42	246	0	199	2,858	569	2,289

Division 1 - CORNER COURT - Stage 2

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)	
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	MASS ORDINATE NOTE 8
10+50	1050.00	0.00	0.00	0	0.00	0	0	0	0	0
11+00	1100.00	50.00	541.43	0	0.00	501	0	0	501	501
11+50	1150.00	50.00	560.79	0	0.02	1,021	0	0	1,522	1,522
12+00	1200.00	50.00	682.38	0	0.01	1,151	0	0	2,673	2,673
12+50	1250.00	50.00	670.74	0	0.00	1,253	0	0	3,926	3,926
13+00	1300.00	50.00	488.07	0	0.00	1,073	0	0	4,999	4,999
13+50	1350.00	50.00	326.78	0	0.00	754	0	0	5,753	5,753

Division 1 - MARY LAKE ROAD - Stage 2

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	EILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
10+50	1050.00	0.00	220.42	0	169.32	0	0	0	0	0	0
11+00	1100.00	50.00	112.40	0	6.85	308	0	163	308	204	104
11+50	1150.00	50.00	142.35	0	6.83	236	0	13	544	220	324
12+00	1200.00	50.00	145.93	0	0.34	267	0	7	811	229	582

Division 1 - NORTH SHORE BAY DR - Stage 2

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
10+00	1000.00	0.00	0.00	0	0.00	0	0	0	0	0	0
10+50	1050.00	50.00	49.89	0	8.83	46	0	8	46	10	36
11+00	1100.00	50.00	48.37	0	16.40	91	0	23	137	39	98
11+50	1150.00	50.00	54.31	0	9.14	95	0	24	232	69	163
12+00	1200.00	50.00	50.06	0	1.46	97	0	10	329	81	248
12+50	1250.00	50.00	36.17	0	9.71	80	0	10	409	94	315
13+00	1300.00	50.00	24.46	0	17.91	56	0	26	465	126	339
13+50	1350.00	50.00	147.47	0	22.65	159	0	38	624	174	450
14+00	1400.00	50.00	201.44	0	25.71	323	0	45	947	230	717
14+50	1450.00	50.00	285.72	0	25.87	451	0	48	1,398	290	1,108
15+00	1500.00	50.00	448.72	0	0.07	680	0	24	2,078	320	1,758
15+50	1550.00	50.00	731.75	0	0.00	1,093	0	0	3,171	320	2,851
16+00	1600.00	50.00	741.78	0	0.00	1,364	0	0	4,535	320	4,215
16+50	1650.00	50.00	491.20	0	0.00	1,142	0	0	5,677	320	5,357
17+00	1700.00	50.00	188.89	0	67.28	630	0	62	6,307	398	5,910

Division 1 - SHILLING CULDESAC - Stage 2

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
10+00	1000.00	0.00	10.30	0	6.15	0	0	0	0	0	0
10+50	1050.00	50.00	89.66	0	1.21	93	0	7	93	9	84
11+00	1100.00	50.00	32.93	0	3.32	114	0	4	207	14	193
11+50	1150.00	50.00	31.32	0	0.35	59	0	3	266	18	249
12+00	1200.00	50.00	29.97	0	0.26	57	0	1	323	19	304
12+50	1250.00	50.00	32.68	0	0.02	58	0	0	381	19	362
13+00	1300.00	50.00	31.40	0	0.01	59	0	0	440	19	421
13+50	1350.00	50.00	31.39	0	0.33	58	0	0	498	19	479
14+00	1400.00	50.00	30.17	0	0.88	57	0	1	555	20	535

Division 1 - WOODLAND DR - Stage 2

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
12+00	1200.00	0.00	0.00	0	83.00	0	0	0	0	0	0
12+50	1250.00	50.00	0.00	0	28.00	0	0	103	0	129	-129
13+00	1300.00	50.00	0.00	0	0.00	0	0	26	0	161	-161
13+50	1350.00	50.00	0.00	0	0.00	0	0	0	0	161	-161
14+00	1400.00	50.00	0.00	0	0.00	0	0	0	0	161	-161
14+50	1450.00	50.00	0.00	0	0.00	0	0	0	0	161	-161
15+00	1500.00	50.00	0.00	0	0.00	0	0	0	0	161	-161
15+50	1550.00	50.00	0.00	0	0.00	0	0	0	0	161	-161
16+00	1600.00	50.00	0.00	0	0.00	0	0	0	0	161	-161
16+50	1650.00	50.00	0.00	0	0.00	0	0	0	0	161	-161
17+00	1700.00	50.00	148.60	0	22.68	138	0	21	138	188	-50
17+50	1750.00	50.00	176.60	0	12.30	301	0	32	439	228	212
18+00	1800.00	50.00	153.16	0	7.36	305	0	18	744	250	494
18+50	1850.00	50.00	126.00	0	6.54	258	0	13	1,002	266	736
19+00	1900.00	50.00	126.11	0	0.72	233	0	7	1,235	275	960

9

9

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	EARTHWORK DATA	SHEET 802	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\090101-EW.DWG
LAYOUT NAME - 05

PLOT DATE : 1/30/2023 5:18 PM PLOT BY : NATHAN RULLMAN PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 49

Division 1 - CTH M EB - Stage 3 (1 of 2)

STATION	REAL STATION	DISTANCE	AREA (SE)					INCREMENTAL VOL (CY) (UNADJUSTED)					CUMULATIVE VOL (CY)						
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EILL	MARSH EXC	EBS	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	EILL NOTE 3	MARSH EXC	EBS	CUT 1.00 NOTE 1	EXPANDED EILL 1.25	EXPANDED MARSH BACKEILL 1.50 NOTE 4	EXPANDED EBS BACKEILL 1.30 NOTE 5	REDUCED MARSH IN EILL 1.00 NOTE 6	REDUCED EBS IN EILL 0.80 NOTE 7	MASS ORDINATE NOTE 8
271+50	27150.00	0.00	389.00	0	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0
272+00	27200.00	50.00	274.23	0	0.00	0.00	0.00	614	0	0	0	0	614	0	0	0	0	0	614
273+00	27300.00	100.00	362.95	0	0.92	0.00	0.00	1,180	0	2	0	0	1,794	3	0	0	0	0	1,792
274+00	27400.00	100.00	396.68	0	1.52	0.00	0.00	1,407	0	5	0	0	3,201	9	0	0	0	0	3,192
275+00	27500.00	100.00	367.83	0	5.97	0.00	0.00	1,416	0	14	0	0	4,617	26	0	0	0	0	4,591
288+00	28800.00	0.00	10.80	0	172.70	0.00	91.91	0	0	0	0	0	0	0	0	0	0	0	0
289+00	28900.00	100.00	57.03	0	35.51	0.00	0.00	126	0	386	0	170	126	313	0	221	0	136	-187
290+00	29000.00	100.00	88.62	0	31.30	0.00	0.00	270	0	124	0	0	396	468	0	221	0	136	-72
291+00	29100.00	100.00	112.18	0	36.84	0.00	0.00	372	0	126	0	0	768	625	0	221	0	136	143
292+00	29200.00	100.00	129.49	0	32.06	0.00	0.00	448	0	128	0	0	1,216	785	0	221	0	136	431
293+00	29300.00	100.00	153.59	0	30.68	0.00	0.00	524	0	116	0	0	1,740	930	0	221	0	136	810
294+00	29400.00	100.00	83.94	0	43.08	0.00	0.00	440	0	137	0	0	2,180	1,101	0	221	0	136	1,079
295+00	29500.00	100.00	33.23	0	50.13	0.00	0.00	217	0	173	0	0	2,397	1,318	0	221	0	136	1,080
296+00	29600.00	100.00	116.22	0	48.42	0.00	0.00	277	0	182	0	0	2,674	1,545	0	221	0	136	1,129
297+00	29700.00	100.00	95.03	0	34.34	0.00	0.00	391	0	153	0	0	3,065	1,736	0	221	0	136	1,329
298+00	29800.00	100.00	202.24	0	24.39	0.00	0.00	551	0	109	0	0	3,616	1,873	0	221	0	136	1,744
299+00	29900.00	100.00	330.94	0	14.52	0.00	0.00	987	0	72	0	0	4,603	1,963	0	221	0	136	2,641
300+00	30000.00	100.00	240.67	0	7.02	0.00	0.00	1,059	0	40	0	0	5,662	2,013	0	221	0	136	3,650
301+00	30100.00	100.00	314.23	0	1.99	0.00	0.00	1,028	0	17	0	0	6,690	2,034	0	221	0	136	4,656
302+00	30200.00	100.00	291.44	0	6.19	0.00	0.00	1,122	0	15	0	0	7,812	2,053	0	221	0	136	5,760
303+00	30300.00	100.00	224.09	0	1.25	0.00	0.00	955	0	14	0	0	8,767	2,070	0	221	0	136	6,697
304+00	30400.00	100.00	200.85	0	8.54	0.00	0.00	787	0	18	0	0	9,554	2,093	0	221	0	136	7,462
305+00	30500.00	100.00	217.61	0	36.64	0.00	0.00	775	0	84	0	0	10,329	2,198	0	221	0	136	8,132
306+00	30600.00	100.00	273.43	0	52.11	0.00	0.00	909	0	164	0	0	11,238	2,403	0	221	0	136	8,836
307+00	30700.00	100.00	741.63	0	12.92	0.00	0.00	1,880	0	120	0	0	13,118	2,553	0	221	0	136	10,566
308+00	30800.00	100.00	1169.91	0	2.45	0.00	0.00	3,540	0	28	0	0	16,658	2,588	0	221	0	136	14,071
309+00	30900.00	100.00	1169.65	0	0.31	0.00	0.00	4,333	0	5	0	0	20,991	2,594	0	221	0	136	18,397
310+00	31000.00	100.00	556.44	0	0.00	0.00	0.00	3,196	0	1	0	0	24,187	2,595	0	221	0	136	21,592
311+00	31100.00	100.00	320.90	0	0.00	0.00	0.00	1,625	0	0	0	0	25,812	2,595	0	221	0	136	23,217
312+00	31200.00	100.00	290.52	0	0.00	0.00	0.00	1,132	0	0	0	0	26,944	2,595	0	221	0	136	24,349
313+00	31300.00	100.00	190.22	0	5.62	0.00	0.00	890	0	10	0	0	27,834	2,608	0	221	0	136	25,227
313+60	31360.00	60.00	151.86	0	21.21	7.02	0.00	380	0	30	8	0	28,214	2,645	12	221	8	136	25,569
314+75	31475.00	0.00	112.13	0	8.17	9.64	0.00	0	0	0	0	0	0	0	0	0	0	0	0
316+00	31600.00	125.00	101.02	0	43.05	0.00	0.00	493	0	119	22	0	493	149	33	0	22	0	344
317+00	31700.00	100.00	81.16	0	33.49	0.00	0.00	337	0	142	0	0	830	326	33	0	22	0	504
318+00	31800.00	100.00	96.82	0	6.32	0.00	0.00	330	0	74	0	0	1,160	419	33	0	22	0	741
319+00	31900.00	100.00	117.87	0	14.74	0.00	0.00	398	0	39	0	0	1,558	468	33	0	22	0	1,091
320+00	32000.00	100.00	131.16	0	10.26	0.00	0.00	461	0	46	0	0	2,019	525	33	0	22	0	1,494
321+00	32100.00	100.00	226.00	0	0.00	0.00	0.00	661	0	19	0	0	2,680	549	33	0	22	0	2,131

Division 1 - CTH M EB - Stage 3 (2 of 2)

STATION	REAL STATION	DISTANCE	AREA (SE)					INCREMENTAL VOL (CY) (UNADJUSTED)					CUMULATIVE VOL (CY)						
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EILL	MARSH EXC	EBS	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	EILL NOTE 3	MARSH EXC	EBS	CUT 1.00 NOTE 1	EXPANDED EILL 1.25	EXPANDED MARSH BACKEILL 1.50 NOTE 4	EXPANDED EBS BACKEILL 1.30 NOTE 5	REDUCED MARSH IN EILL 1.00 NOTE 6	REDUCED EBS IN EILL 0.80 NOTE 7	MASS ORDINATE NOTE 8
336+00	33600.00	0.00	50.00	0	15.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0
337+00	33700.00	100.00	66.51	0	44.27	0.00	0.00	216	0	110	0	0	216	138	0	0	0	0	79
338+00	33800.00	100.00	51.10	0	52.80	0.00	0.00	218	0	180	0	0	434	363	0	0	0	0	72
339+00	33900.00	100.00	37.09	0	59.39	0.00	0.00	163	0	208	0	0	597	623	0	0	0	0	-26
340+00	34000.00	100.00	46.71	0	64.23	0.00	0.00	155	0	229	0	0	752	909	0	0	0	0	-157
341+00	34100.00	100.00	24.09	0	60.08	0.00	0.00	131	0	230	0	0	883	1,196	0	0	0	0	-313
342+00	34200.00	100.00	24.90	0	46.88	0.00	0.00	91	0	198	0	0	974	1,444	0	0	0	0	-470
343+00	34300.00	100.00	61.74	0	23.33	0.00	0.00	160	0	130	0	0	1,134	1,606	0	0	0	0	-472
344+00	34400.00	100.00	82.39	0	16.27	0.00	0.00	267	0	73	0	0	1,401	1,698	0	0	0	0	-297
345+00	34500.00	100.00	51.25	0	54.92	0.00	0.00	247	0	132	0	0	1,648	1,863	0	0	0	0	-215
346+00	34600.00	100.00	44.53	0	130.04	0.00	0.00	177	0	343	0	0	1,825	2,291	0	0	0	0	-466
347+00	34700.00	100.00	46.05	0	165.27	0.00	0.00	168	0	547	0	0	1,993	2,975	0	0	0	0	-982
348+00	34800.00	100.00	237.59	0	233.83	0.00	0.00	525	0	739	0	0	2,518	3,899	0	0	0	0	-1,381
349+00	34900.00	100.00	122.75	0	278.89	0.00	0.00	667	0	949	0	0	3,185	5,085	0	0	0	0	-1,900
350+00	35000.00	100.00	33.28	0	278.88	0.00	0.00	289	0	1,033	0	0	3,474	6,376	0	0	0	0	-2,902
351+00	35100.00	100.00	24.31	0	207.83	0.00	0.00	107	0	901	0	0	3,581	7,503	0	0	0	0	-3,922
352+00	35200.00	100.00	72.15	0	72.28	0.00	0.00	179	0	519	0	0	3,760	8,151	0	0	0	0	-4,391
353+00	35300.00	100.00	234.54	0	102.87	0.00	0.00	568	0	324	0	0	4,328	8,556	0	0	0	0	-4,228
354+00	35400.00	100.00	241.76	0	94.36	0.00	0.00	882	0	365	0	0	5,210	9,013	0	0	0	0	-3,803
355+00	35500.00	100.00	251.38	0	0.00	0.00	0.00	913	0	175	0	0	6,123	9,231	0	0	0	0	-3,108
356+00	35600.00	100.00	245.35	0	139.58	0.00	54.16	920	0	258	0	100	7,043	9,454	0	130	0	80	-2,411
357+00	35700.00	100.00	171.74	0	128.15	0.00	91.95	772	0	496	0	271	7,815	9,803	0	482	0	297	-1,988
358+00	35800.00	100.00	84.28	0	78.56	0.00	84.92	474	0	383	0	328	8,289	9,954	0	909	0	559	-1,665
359+00	35900.00	100.00	52.64	0	58.20	0.00	61.54	254	0	253	0	271	8,543	9,999	0	1,261	0	776	-1,456
360+00	36000.00	100.00	20.89	0	101.08	0.00	96.05	136	0	295	0	292	8,679	10,076	0	1,641	0	1,010	-1,397
361+00	36100.00	100.00	9.37	0	177.99	0.00	85.60	56	0	517	0	336	8,735	10,386	0	2,077	0	1,278	-1,651
362+00	36200.00	100.00	7.70	0	222.58	0.00	73.81	32	0	742	0	295	8,767	11,018	0	2,461	0	1,514	-2,251
363+00	36300.00	100.00	16.75	0	28.47	0.00	231.09	45	0	465	0	565	8,812	11,035	0	3,195	0	1,966	-2,223
364+00	36400.00	100.00	226.27	0	20.82	0.00	248.05	450	0	91	0	887	9,262	10,261	0	4,349	0	2,676	-999
365+00	36500.00	100.00	427.32	0	15.58	0.00	199.11	1,210	0	67	0	828	10,472	9,517	0	5,425	0	3,338	955
366+00	36600.00	100.00	418.99	0	22.58	0.00	107.74	1,567	0	71	0	568	12,039	9,038	0	6,163	0	3,793	3,001
367+00	36700.00	100.00	432.49	0	20.06	0.00	80.94	1,577	0	79	0	349	13,616	8,788	0	6,617	0	4,072	4,829
368+00	36800.00	100.00	282.60	0	14.71	0.00	155.89	1,324	0	64	0	439	14,940	8,429	0	7,188	0	4,423	6,512
369+00	36900.00	100.00	76.78	0	70.57	134.83	0.00	666	0	158	250	289	15,606	8,337	375	7,563	250	4,654	7,269
370+00	37000.00	100.00	96.43	0	56.11	152.32	0.00	321	0	235	532	0	15,927	8,631	1,173	7,563	782	4,654	7,296
371+00	37100.00	100.00	111.05	0	26.22	179.22	0.00	384	0	152	614	0	16,311	8,821	2,094	7,563	1,396	4,654	7,490
372+00	37200.00	100.00	101.65	0	41.63	179.99	0.00	394	0	126	665	0	16,705	8,978	3,092	7,563	2,061	4,654	7,727
373+00	37300.00	100.00	70.96	0	79.33	190.73	0.00	320	0	224	687	0	17,025	9,258	4,122	7,563	2,748	4,654	7,767
374+00	37400.00	100.00	36.51	0	117.39	206.37	0.00	199	0	364	735	0	17,224	9,713	5,225	7,563	3,483	4,654	7,511
375+00	37500.00	100.00	6.91	0	185.55	193.06	0.00	80	0	561	740	0	17,304	10,415	6,335	7,563	4,223	4,654	6,890
376+00	37600.00	100.00	13.37	0	142.41	197.35	0.00	38	0	607	723	0	17,342	11,173	7,419	7,563	4,946	4,654	6,169
377+00	37700.00	100.00	72.10	0	87.07	129.07	0.00	158	0	425	604	0	17,500	11,705	8,325	7,563	5,550	4,654	5,796
378+00	37800.00	100.00	153.91	0	29.15	0.00	0.00	419	0	215	239	0	17,919	11,973	8,684	7,563	5,789	4,654	5,946
379+00	37900.00	100.00	202.04	0	9.05	0.00	0.00	659	0	71	0	0	18,578	12,062	8,684	7,563	5,789	4,654	6,516
380+00	38000.00	100.00	201.50	0	12.74	0.00	0.00	747	0	40	0	0	19,325	12,112	8,684	7,563	5,789	4,654	7,213
381+00	38100.00	100.00	152.79	0	15.66	0.00	0.00	656	0	53	0	0	19,981	12,178	8,684	7,563	5,789	4,654	7,803
382+00	38200.00	100.00	116.52	0	18.21	0.00	0.00	499	0	63	0	0	20,480	12,257	8,684	7,563	5,789	4,654	8,223
383+00	38300.00	100.00	123.88	0	0.03	0.00	0.00	445	0	34	0	0	20,925	12,300	8,684	7,563	5,789	4,654	8,626
383+69.593	38369.59	69.59	119.95	0	5.21	0.00	0.00	314	0	7	0	0	21,239	12,308	8,684	7,563	5,789	4,654	8,931

Division 1 - CTH K - Stage 3

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED EILL 1.25	MASS ORDINATE NOTE 8
72+00	7200.00	0.00	146.75	0	0.00	0	0	0	0	0	0
72+50	7250.00	50.00	158.86	0	0.00	283	0	0	283	0	283
73+00	7300.00	50.00	168.03	0	0.00	303	0	0	586	0	586
73+50	7350.00	50.00	184.45	0	7.14	326	0	7	912	9	903
74+00	7400.00	50.00	208.48	0	2.92	364	0	9	1,276	20	1,256
74+50	7450.00	50.00	210.18	0	11.59	388	0	13	1,664	36	1,628
75+00	7500.00	50.00	210.06	0	0.83	389	0	12	2,053	51	2,002
75+50	7550.00	50.00	199.43	0	2.85	379	0	3	2,432	55	2,377
76+00	7600.00	50.00	189.02	0	7.72	360	0	10	2,792	68	2,725
76+50	7650.00	50.00	202.81	0	9.94	363	0	16	3,155	88	3,068
77+00	7700.00	50.00	345.73	0	3.56	508	0	12	3,663	103	3,561
77+50	7750.00	50.00	218.40	0	11.53	522	0	14	4,185	120	4,065
78+00	7800.00	50.00	228.86	0	10.12	414	0	20	4,599	145	4,454
78+50	7850.00	50.00	210.19	0	6.92	407	0	16	5,006	165	4,841
79+00	7900.00	50.00	193.10	0	0.00	373	0	6	5,379	173	5,207
79+50	7950.00	50.00	165.13	0	9.32	332	0	9	5,711	184	5,527
80+00	8000.00	50.00	160.46	0	17.99	301	0	25	6,012	215	5,797
80+50	8050.00	50.00	170.83	0	6.53	307	0	23	6,319	244	6,075
81+00	8100.00	50.00	254.43	0	11.20	394	0	16	6,713	264	6,449
81+50	8150.00	50.00	318.47	0	29.29	530	0	37	7,243	310	6,933
82+00	8200.00	50.00	332.45	0	27.39	603	0	52	7,846	375	7,471
82+50	8250.00	50.00	363.19	0	19.00	644	0	43	8,490	429	8,061
83+00	8300.00	50.00	495.21	0	73.60	795	0	86	9,285	536	8,749
83+50	8350.00	50.00	618.10	0	83.25	1,031	0	145	10,316	718	9,599
84+00	8400.00	50.00	727.26	0	139.44	1,246	0	206	11,562	975	10,587
84+50	8450.00	50.00	953.54	0	80.43	1,556	0	204	13,118	1,230	11,888
85+00	8500.00	50.00	1590.82	0	60.19	2,356	0	130	15,474	1,393	14,082
85+50	8550.00	50.00	2051.70	0	53.35	3,373	0	105	18,847	1,524	17,323

Division 1 - CTH M EB - Stage 4 (1 of 2)

STATION	REAL STATION	DISTANCE	AREA (SE)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.30 NOTE 5	REDUCED EBS IN FILL 0.80 NOTE 7	MASS ORDINATE NOTE 8
271+50	27050.00	0.00	250.00	0	0.00	0.00	0	0	0	0	0	0	0	0	0
272+00	27200.00	150.00	124.01	0	0.00	0.00	1,039	0	0	0	1,039	0	0	0	1,039
273+00	27300.00	100.00	66.49	0	13.63	0.00	353	0	25	0	1,392	31	0	0	1,361
274+00	27400.00	100.00	55.02	0	12.58	0.00	225	0	49	0	1,617	93	0	0	1,525
275+00	27500.00	100.00	53.43	0	27.80	0.00	201	0	75	0	1,818	186	0	0	1,632
276+00	27600.00	100.00	55.42	0	19.62	0.00	202	0	88	0	2,020	296	0	0	1,724
277+00	27700.00	100.00	68.13	0	43.75	0.00	229	0	117	0	2,249	443	0	0	1,807
278+00	27800.00	100.00	101.10	0	17.44	0.00	313	0	113	0	2,562	584	0	0	1,978
279+00	27900.00	100.00	122.97	0	0.48	0.00	415	0	33	0	2,977	625	0	0	2,352
280+00	28000.00	100.00	123.42	0	2.24	0.00	456	0	5	0	3,433	631	0	0	2,802
281+00	28100.00	100.00	127.13	0	0.00	0.00	464	0	4	0	3,897	636	0	0	3,261
282+00	28200.00	100.00	112.15	0	1.48	0.00	443	0	3	0	4,340	640	0	0	3,700
283+00	28300.00	100.00	90.57	0	0.00	0.00	375	0	3	0	4,715	644	0	0	4,071
284+00	28400.00	100.00	74.23	0	4.80	0.00	305	0	9	0	5,020	655	0	0	4,365
285+00	28500.00	100.00	68.19	0	15.73	0.00	264	0	38	0	5,284	703	0	0	4,582
286+00	28600.00	100.00	63.35	0	347.89	0.00	244	0	673	0	5,528	1,544	0	0	3,984
287+00	28700.00	100.00	143.14	0	71.51	0.00	382	0	777	0	5,910	2,515	0	0	3,395
288+00	28800.00	100.00	63.92	0	65.59	0.00	383	0	254	0	6,293	2,833	0	0	3,461
289+00	28900.00	100.00	44.08	0	55.64	0.00	200	0	224	0	6,493	3,113	0	0	3,381
290+00	29000.00	100.00	33.14	0	64.79	0.00	143	0	223	0	6,636	3,391	0	0	3,245
291+00	29100.00	100.00	24.56	0	48.50	0.00	107	0	210	0	6,743	3,654	0	0	3,089
292+00	29200.00	100.00	17.88	0	65.10	0.00	79	0	210	0	6,822	3,916	0	0	2,906
293+00	29300.00	100.00	11.32	0	79.29	0.00	54	0	267	0	6,876	4,250	0	0	2,626
294+00	29400.00	100.00	3.17	0	80.29	0.00	27	0	296	0	6,903	4,620	0	0	2,283
295+00	29500.00	100.00	0.79	0	72.38	0.00	7	0	283	0	6,910	4,974	0	0	1,936
296+00	29600.00	100.00	0.00	0	75.81	0.00	1	0	274	0	6,911	5,316	0	0	1,595
297+00	29700.00	100.00	49.33	0	40.97	0.00	91	0	216	0	7,002	5,586	0	0	1,416
298+00	29800.00	100.00	20.43	0	38.69	0.00	129	0	148	0	7,131	5,771	0	0	1,360
299+00	29900.00	100.00	26.10	0	39.33	0.00	86	0	144	0	7,217	5,951	0	0	1,266
300+00	30000.00	100.00	49.52	0	29.93	0.00	140	0	128	0	7,357	6,111	0	0	1,246
301+00	30100.00	100.00	82.57	0	21.18	0.00	245	0	95	0	7,602	6,230	0	0	1,372
308+00	30800.00	0.00	46.80	0	25.42	0.00	0	0	0	0	0	0	0	0	0
309+00	30900.00	100.00	182.84	0	0.00	0.00	425	0	47	0	425	59	0	0	366
310+00	31000.00	100.00	109.37	0	0.69	0.00	541	0	1	0	966	60	0	0	906
319+00	31900.00	0.00	32.21	0	32.08	153.13	0	0	0	0	0	0	0	0	0
320+00	32000.00	100.00	165.32	0	0.38	0.00	366	0	60	284	366	-209	369	227	575
321+00	32100.00	100.00	110.65	0	7.38	0.00	511	0	14	0	877	-192	369	227	1,069
322+00	32200.00	100.00	123.97	0	1.53	0.00	434	0	17	0	1,311	-170	369	227	1,481
323+00	32300.00	100.00	121.38	0	0.58	0.00	454	0	4	0	1,765	-165	369	227	1,930
324+00	32400.00	100.00	108.79	0	0.00	0.00	426	0	1	0	2,191	-164	369	227	2,355
325+00	32500.00	100.00	87.97	0	1.69	0.00	364	0	3	0	2,555	-160	369	227	2,715
326+00	32600.00	100.00	68.03	0	7.02	0.00	289	0	16	0	2,844	-140	369	227	2,984
327+00	32700.00	100.00	66.23	0	3.55	0.00	249	0	20	0	3,093	-115	369	227	3,208
328+00	32800.00	100.00	104.02	0	1.33	0.00	315	0	9	0	3,408	-104	369	227	3,512
329+00	32900.00	100.00	107.40	0	0.06	0.00	392	0	3	0	3,800	-100	369	227	3,900
330+00	33000.00	100.00	94.17	0	3.48	0.00	373	0	7	0	4,173	-92	369	227	4,265
331+00	33100.00	100.00	88.22	0	3.18	0.00	338	0	12	0	4,511	-77	369	227	4,588
332+00	33200.00	100.00	87.41	0	8.87	0.00	325	0	22	0	4,836	-49	369	227	4,885
333+00	33300.00	100.00	81.51	0	13.54	0.00	313	0	42	0	5,149	3	369	227	5,146
334+00	33400.00	100.00	88.74	0	99.63	0.00	315	0	210	0	5,464	266	369	227	5,198
335+00	33500.00	100.00	88.27	0	101.09	0.00	328	0	372	0	5,792	731	369	227	5,061

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PROJECT NO: 5954-00-01 | HWY: CTH M | COUNTY: DANE | EARTHWORK DATA | SHEET 806 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\090101-EW.DWG
LAYOUT NAME - 09

PLOT DATE : 1/30/2023 5:18 PM PLOT BY : NATHAN RULLMAN PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 49

Division 1 - CTH M EB - Stage 4 (2 of 2)

STATION	REAL STATION	DISTANCE	AREA (SE)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EILL	EBS	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	EILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED EILL 1.25	EXPANDED EBS BACKEILL 1.30 NOTE 5	REDUCED EBS IN EILL 0.80 NOTE 7	MASS ORDINATE NOTE 8
336+00	33600.00	100.00	83.12	0	78.62	0.00	317	0	333	0	6,109	1,147	369	227	4,962
337+00	33700.00	100.00	76.11	0	59.79	0.00	295	0	256	0	6,404	1,467	369	227	4,937
338+00	33800.00	100.00	70.75	0	58.68	0.00	272	0	219	0	6,676	1,741	369	227	4,935
339+00	33900.00	100.00	61.19	0	57.47	0.00	244	0	215	0	6,920	2,010	369	227	4,910
340+00	34000.00	100.00	55.59	0	55.16	0.00	216	0	209	0	7,136	2,271	369	227	4,865
341+00	34100.00	100.00	56.35	0	52.66	0.00	207	0	200	0	7,343	2,521	369	227	4,822
342+00	34200.00	100.00	82.78	0	28.92	0.00	258	0	151	0	7,601	2,710	369	227	4,891
343+00	34300.00	100.00	117.90	0	10.95	0.00	372	0	74	0	7,973	2,802	369	227	5,171
344+00	34400.00	100.00	150.96	0	3.93	0.00	498	0	28	0	8,471	2,837	369	227	5,634
345+00	34500.00	100.00	138.11	0	4.71	0.00	535	0	16	0	9,006	2,857	369	227	6,149
346+00	34600.00	100.00	105.78	0	29.19	0.00	452	0	63	0	9,458	2,936	369	227	6,522
347+00	34700.00	100.00	77.59	0	64.12	0.00	340	0	173	0	9,798	3,152	369	227	6,646
348+00	34800.00	100.00	50.61	0	105.72	0.00	237	0	315	0	10,035	3,546	369	227	6,489
349+00	34900.00	100.00	31.62	0	143.60	0.00	152	0	462	0	10,187	4,124	369	227	6,064
350+00	35000.00	100.00	24.87	0	165.94	0.00	105	0	573	0	10,292	4,840	369	227	5,452
351+00	35100.00	100.00	28.73	0	189.92	0.00	99	0	659	0	10,391	5,664	369	227	4,728
352+00	35200.00	100.00	48.26	0	204.01	0.00	143	0	730	0	10,534	6,576	369	227	3,958
353+00	35300.00	100.00	63.65	0	225.01	0.00	207	0	794	0	10,741	7,569	369	227	3,173
354+00	35400.00	100.00	116.03	0	57.92	0.00	333	0	524	0	11,074	8,224	369	227	2,851
355+00	35500.00	100.00	114.98	0	271.19	0.00	428	0	609	0	11,502	8,985	369	227	2,517
356+00	35600.00	100.00	123.76	0	134.02	0.00	442	0	750	0	11,944	9,922	369	227	2,022
357+00	35700.00	100.00	111.08	0	153.41	0.00	435	0	532	0	12,379	10,587	369	227	1,792
358+00	35800.00	100.00	79.26	0	154.01	0.00	352	0	569	0	12,731	11,299	369	227	1,433
359+00	35900.00	100.00	53.30	0	144.57	0.00	245	0	553	0	12,976	11,990	369	227	986
360+00	36000.00	100.00	29.50	0	160.34	0.00	153	0	565	0	13,129	12,696	369	227	433
361+00	36100.00	100.00	13.01	0	185.47	0.00	79	0	640	0	13,208	13,496	369	227	-288
362+00	36200.00	100.00	10.56	0	209.32	0.00	44	0	731	0	13,252	14,410	369	227	-1,158
363+00	36300.00	100.00	23.26	0	165.14	0.00	63	0	693	0	13,315	15,276	369	227	-1,961
364+00	36400.00	100.00	34.36	0	129.41	0.00	107	0	545	0	13,422	15,957	369	227	-2,535
365+00	36500.00	100.00	59.40	0	124.06	0.00	174	0	469	0	13,596	16,544	369	227	-2,948
366+00	36600.00	100.00	40.15	0	158.99	0.00	184	0	524	0	13,780	17,199	369	227	-3,419
367+00	36700.00	100.00	48.85	0	42.93	0.00	165	0	374	0	13,945	17,666	369	227	-3,721
368+00	36800.00	100.00	74.12	0	149.76	0.00	228	0	357	0	14,173	18,112	369	227	-3,939
369+00	36900.00	100.00	98.07	0	10.42	0.00	319	0	297	0	14,492	18,484	369	227	-3,992
370+00	37000.00	100.00	120.57	0	9.66	0.00	405	0	37	0	14,897	18,530	369	227	-3,633
371+00	37100.00	100.00	156.04	0	0.41	0.00	512	0	19	0	15,409	18,554	369	227	-3,145
372+00	37200.00	100.00	151.73	0	2.81	0.00	570	0	6	0	15,979	18,561	369	227	-2,582
373+00	37300.00	100.00	89.42	0	0.11	0.00	447	0	5	0	16,426	18,567	369	227	-2,141
374+00	37400.00	100.00	43.79	0	6.19	0.00	247	0	12	0	16,673	18,582	369	227	-1,909
375+00	37500.00	100.00	4.02	0	27.63	0.00	89	0	63	0	16,762	18,661	369	227	-1,899
376+00	37600.00	100.00	1.38	0	27.93	0.00	10	0	103	0	16,772	18,790	369	227	-2,018
377+00	37700.00	100.00	48.50	0	10.95	0.00	92	0	72	0	16,864	18,880	369	227	-2,016
378+00	37800.00	100.00	155.15	0	15.82	0.00	377	0	50	0	17,241	18,942	369	227	-1,701
379+00	37900.00	100.00	131.77	0	119.55	0.00	531	0	251	0	17,772	19,256	369	227	-1,484
380+00	38000.00	100.00	115.60	0	32.33	0.00	458	0	281	0	18,230	19,607	369	227	-1,377
381+00	38100.00	100.00	113.26	0	35.80	0.00	424	0	126	0	18,654	19,765	369	227	-1,111
381+57	38157.00	57.00	108.90	0	36.30	0.00	235	0	76	0	18,889	19,860	369	227	-971
381+58	38158.00	1.00	2.50	0	36.00	0.00	2	0	1	0	18,891	19,861	369	227	-970
382+00	38200.00	42.00	2.63	0	38.61	0.00	4	0	58	0	18,895	19,934	369	227	-1,039
383+00	38300.00	100.00	3.19	0	25.15	0.00	11	0	118	0	18,906	20,081	369	227	-1,175
384+00	38400.00	100.00	2.14	0	25.47	0.00	10	0	94	0	18,916	20,199	369	227	-1,283
385+00	38500.00	100.00	1.23	0	43.38	0.00	6	0	128	0	18,922	20,359	369	227	-1,437
386+00	38600.00	100.00	2.13	0	42.06	0.00	6	0	158	0	18,928	20,556	369	227	-1,628
387+00	38700.00	100.00	1.83	0	3.98	0.00	7	0	85	0	18,935	20,662	369	227	-1,727

Division 1 - KUPFER ROAD - Stage 4

STATION	REAL STATION	DISTANCE	AREA (SE)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	EILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED EILL 1.25	MASS ORDINATE NOTE 8
10+15	1015.00	0.00	0.00	0	0.00	0	0	0	0	0	0
10+50	1050.00	35.00	24.67	0	15.02	16	0	10	16	13	4
11+00	1100.00	50.00	5.13	0	138.80	28	0	142	44	190	-146
11+17.326	1117.33	17.33	13.75	0	163.35	6	0	97	50	311	-261

Division 1 - MANSFIELD ROAD - Stage 4

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)	
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	MASS ORDINATE NOTE 8
10+25	1025.00	0.00	29.42	0	0	0	0	0	0	0
10+50	1050.00	25.00	27.80	0	0	26	0	0	26	26
10+75	1075.00	25.00	53.49	0	0	38	0	0	64	64

Division 1 - WILLOW ROAD EAST - Stage 4

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	EILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	EILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED EILL 1.25	MASS ORDINATE NOTE 8
10+50	1050.00	0.00	58.08	0	0.00	0	0	0	0	0	0
11+00	1100.00	50.00	57.20	0	0.00	107	0	0	107	0	107
11+50	1150.00	50.00	56.67	0	29.36	105	0	27	212	34	178
12+00	1200.00	50.00	176.89	0	69.16	216	0	91	428	148	281

Division 1 - WILLOW ROAD WEST - Stage 4

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
11+00	1100.00	0.00	61.08	0	50.43	0	0	0	0	0	0
11+50	1150.00	50.00	21.04	0	5.80	76	0	52	76	65	11
12+00	1200.00	50.00	49.84	0	0.00	66	0	5	142	71	71

DIVISION -- NSB BIKE PATH SPUR - Stage 4

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
11+00	1100.00	0.00	39.76	0	0.00	0	0	0	0	0	0
12+00	1200.00	100.00	35.55	0	0.00	139	0	0	139	0	139
13+00	1300.00	100.00	35.91	0	0.84	132	0	2	271	3	269
14+00	1400.00	100.00	170.37	0	0.82	382	0	3	653	6	647
15+00	1500.00	100.00	111.31	0	1.48	522	0	4	1,175	11	1,164
15+50	1550.00	50.00	0.43	0	0.03	103	0	1	1,278	13	1,266

Division 1 - CTH M EB - Stage 5

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
382+00	38200.00	0.00	0.03	0	10.97	0	0	0	0	0	0
383+00	38300.00	100.00	0.02	0	16.42	0	0	51	0	64	-64
384+00	38400.00	100.00	0.00	0	12.59	0	0	54	0	131	-131
385+00	38500.00	100.00	0.00	0	8.34	0	0	39	0	180	-180
386+00	38600.00	100.00	0.00	0	3.47	0	0	22	0	208	-208
386+58	38658.00	58.00	0.02	0	2.20	0	0	6	0	215	-215

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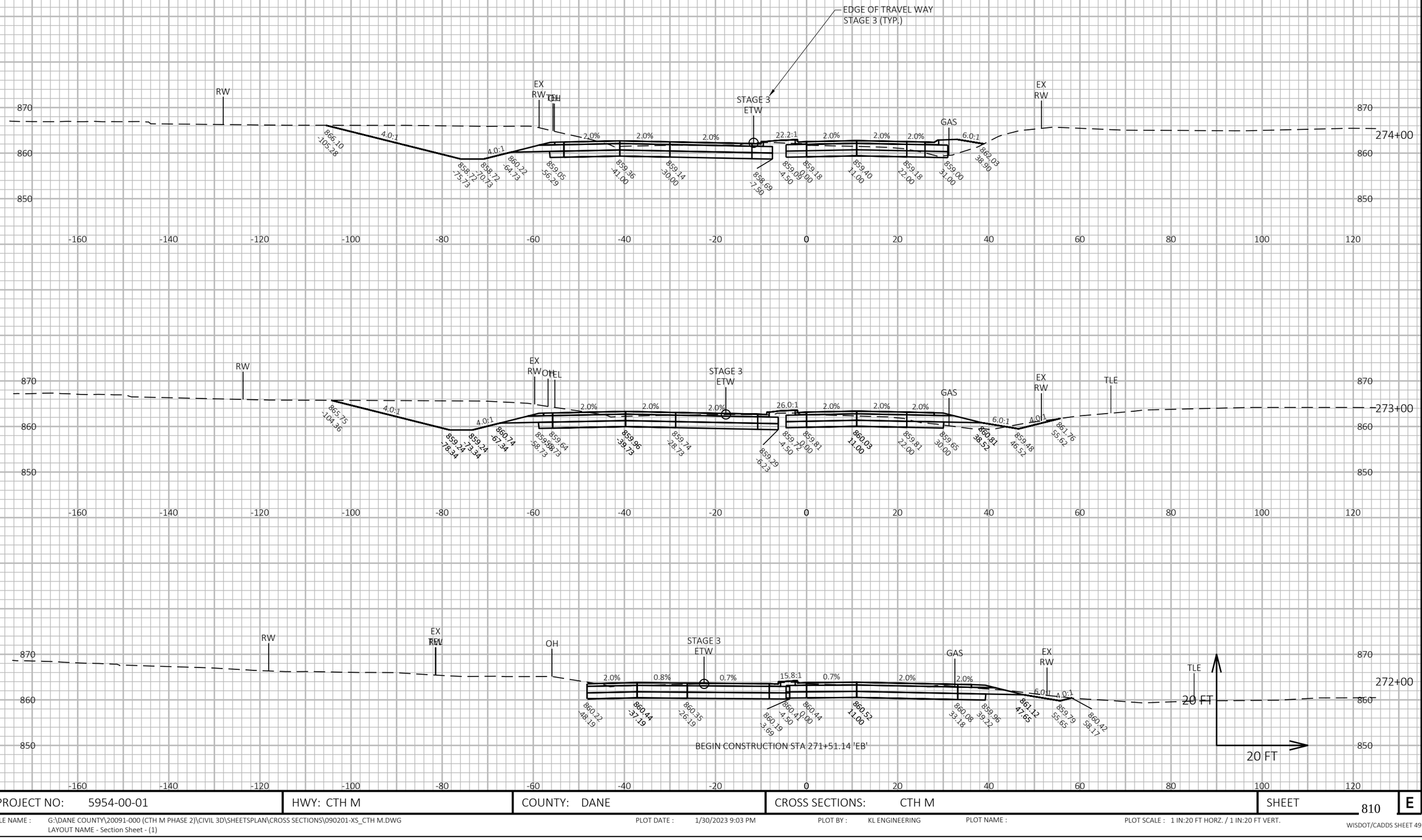
PROJECT NO: 5954-00-01 | HWY: CTH M | COUNTY: DANE | EARTHWORK DATA | SHEET 809 E



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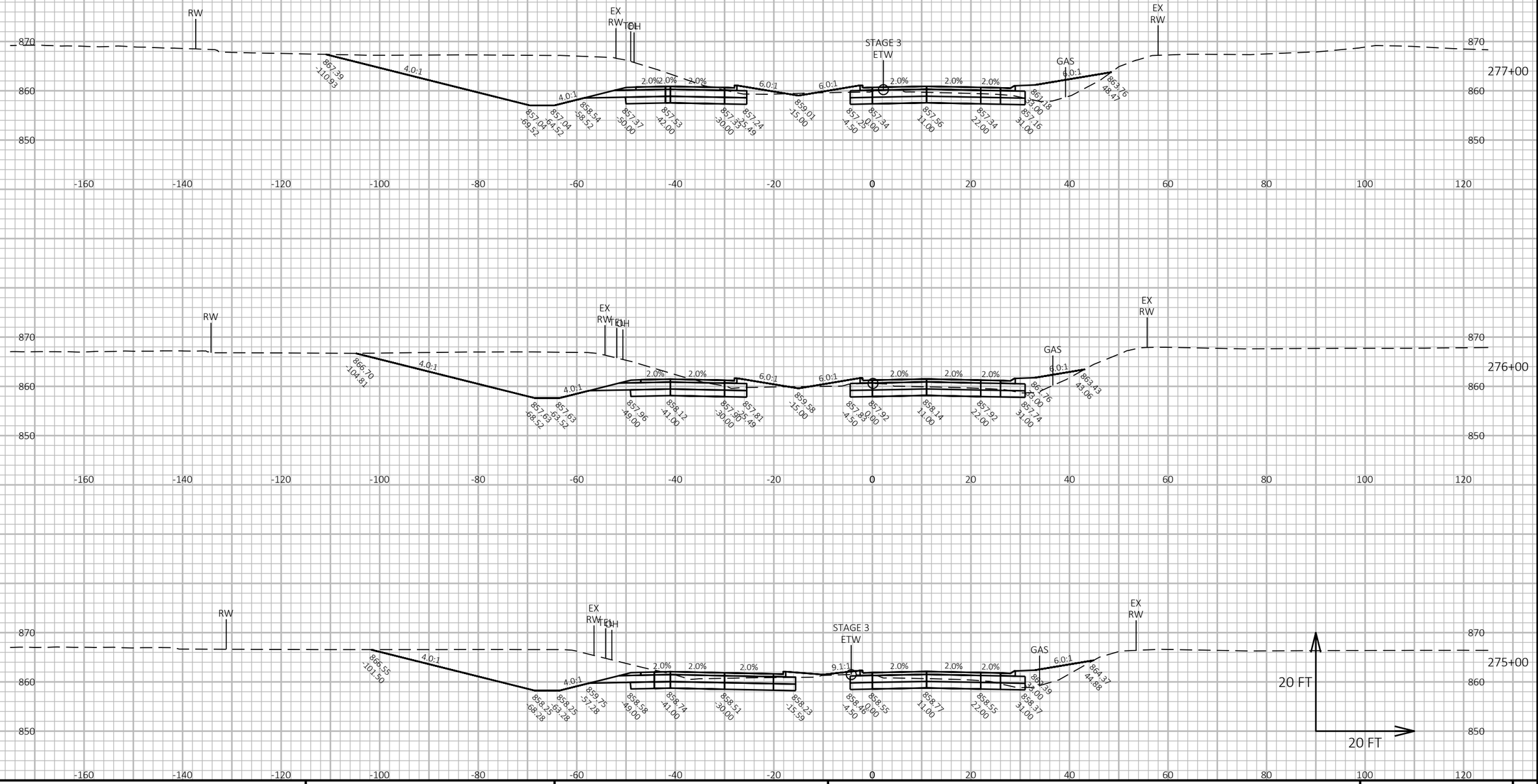
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 810	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (1)

PLOT DATE : 1/30/2023 9:03 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 811	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (2)

PLOT DATE : 1/30/2023 9:03 PM

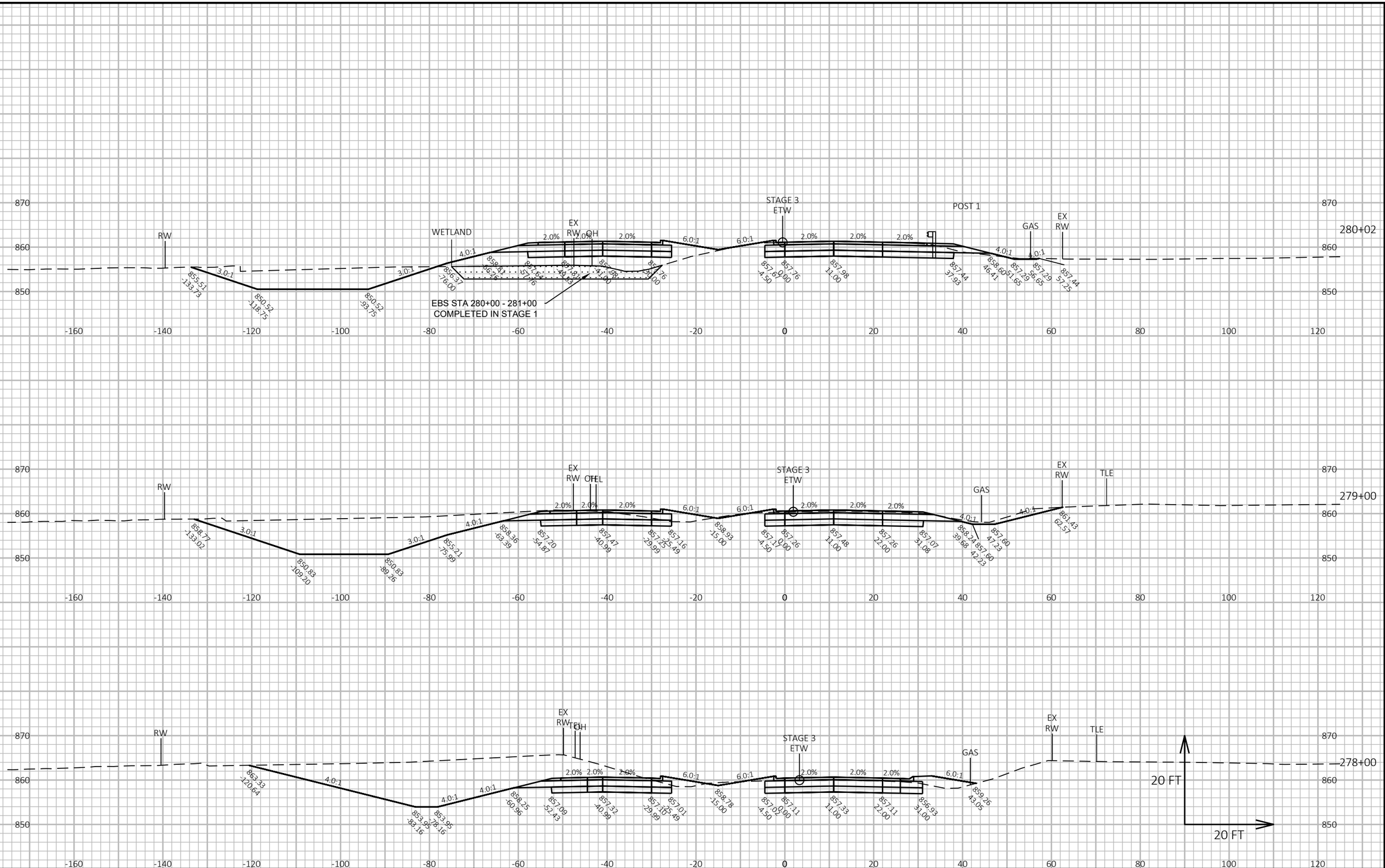
PLOT BY : KL ENGINEERING

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

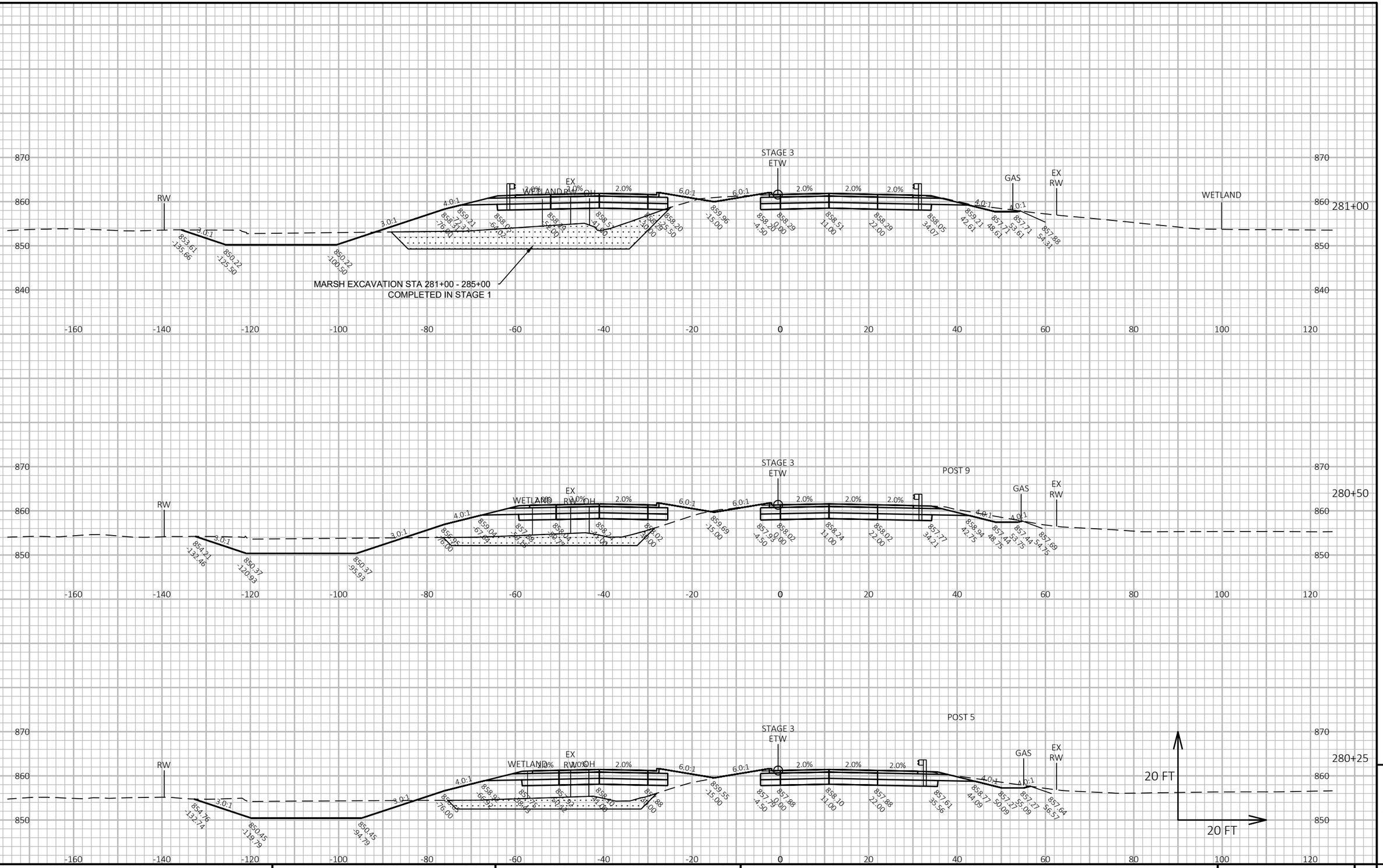


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 812	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (3)

PLOT DATE : 1/30/2023 9:03 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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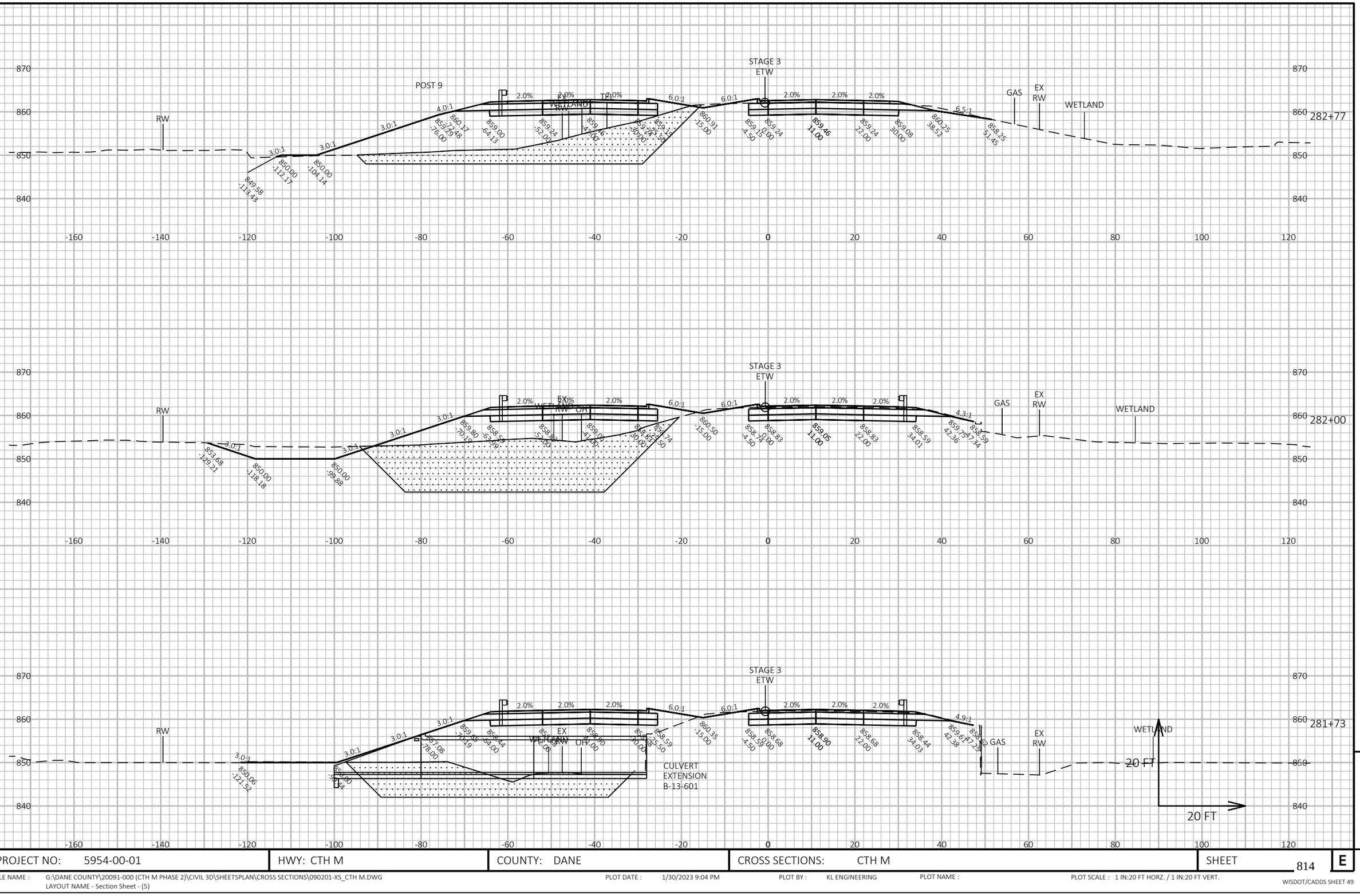
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 813	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (4)

PLOT DATE : 1/30/2023 9:04 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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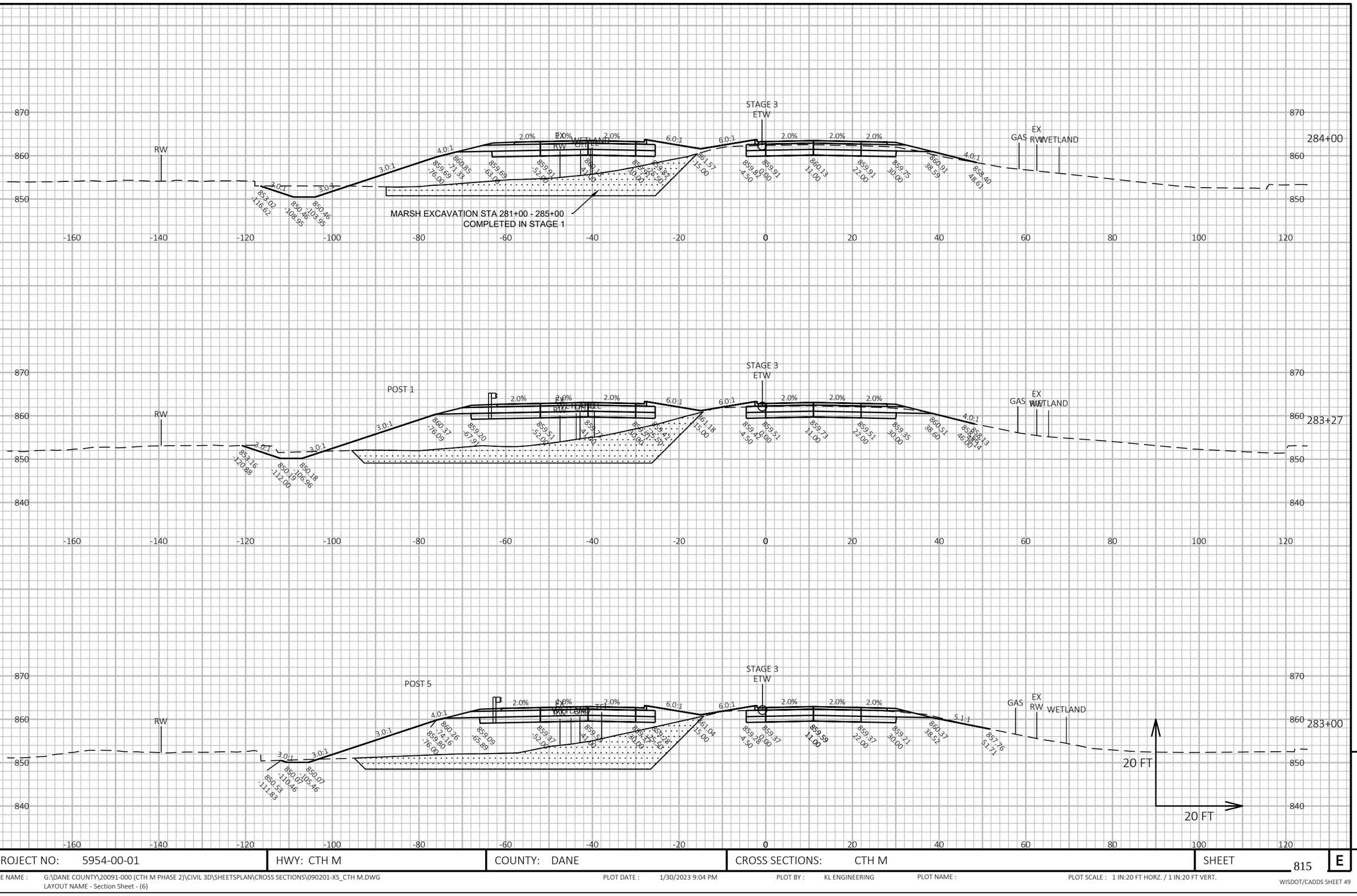
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 814	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (5)

PLOT DATE : 1/30/2023 9:04 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

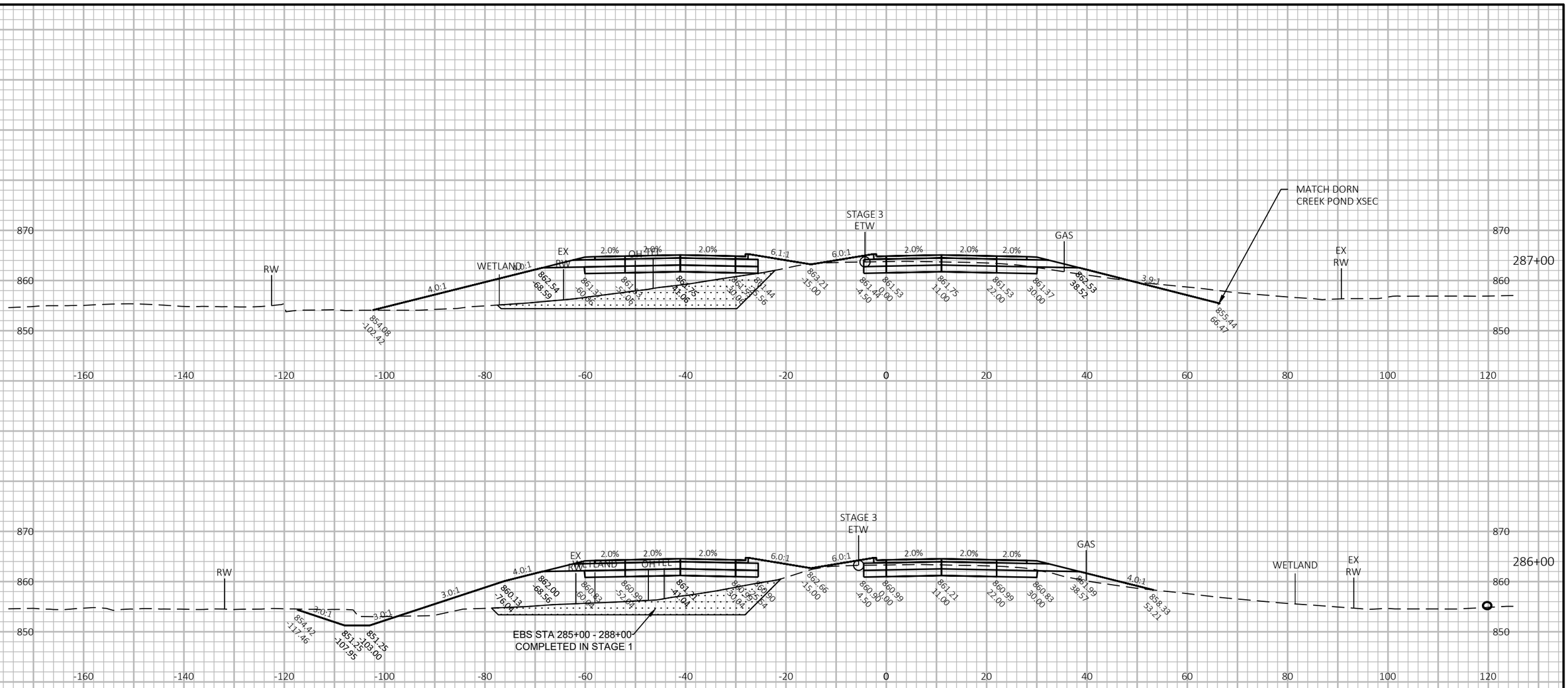


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 815	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (6)

PLOT DATE : 1/30/2023 9:04 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

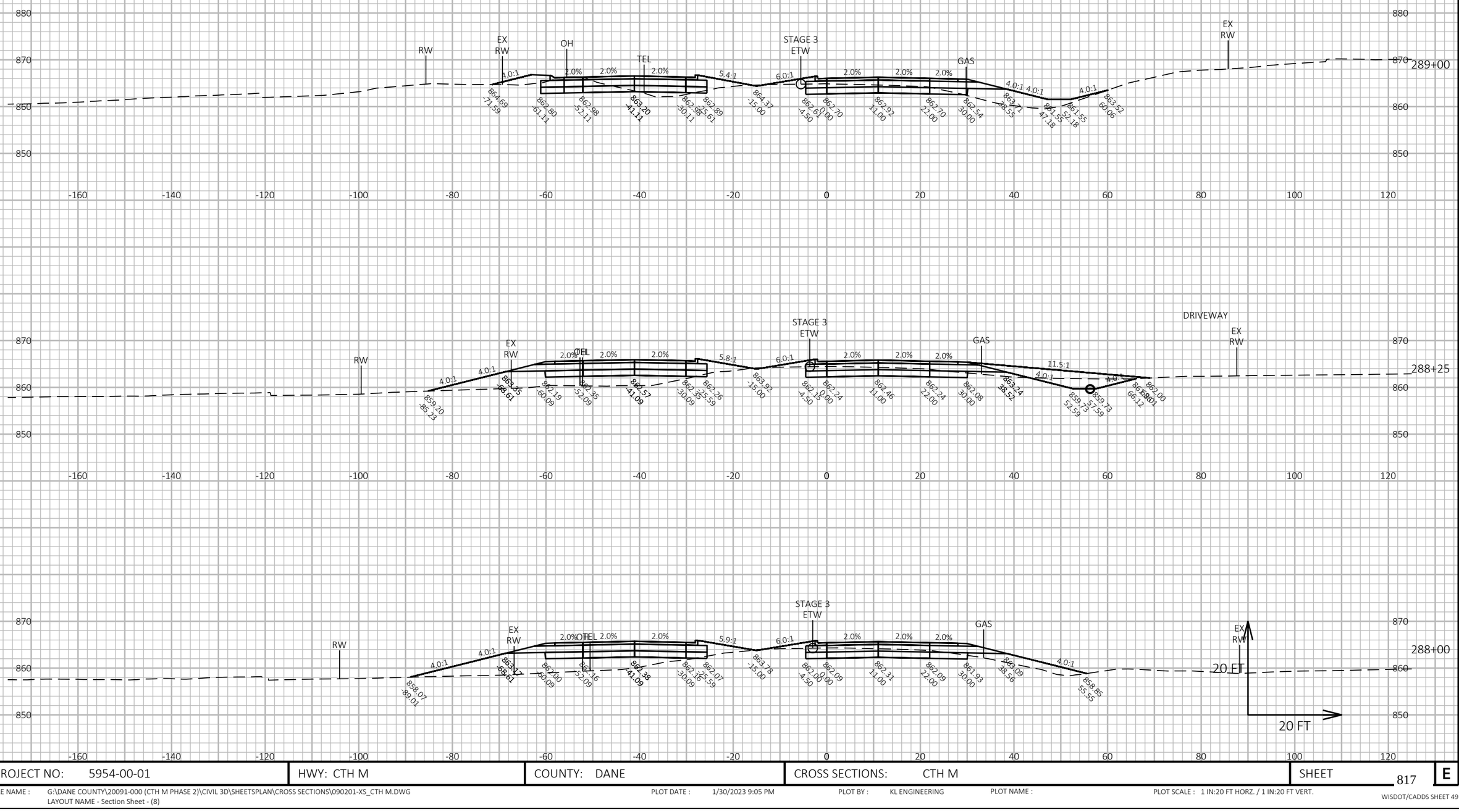


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 816	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (7)

PLOT DATE : 1/30/2023 9:05 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 817 E

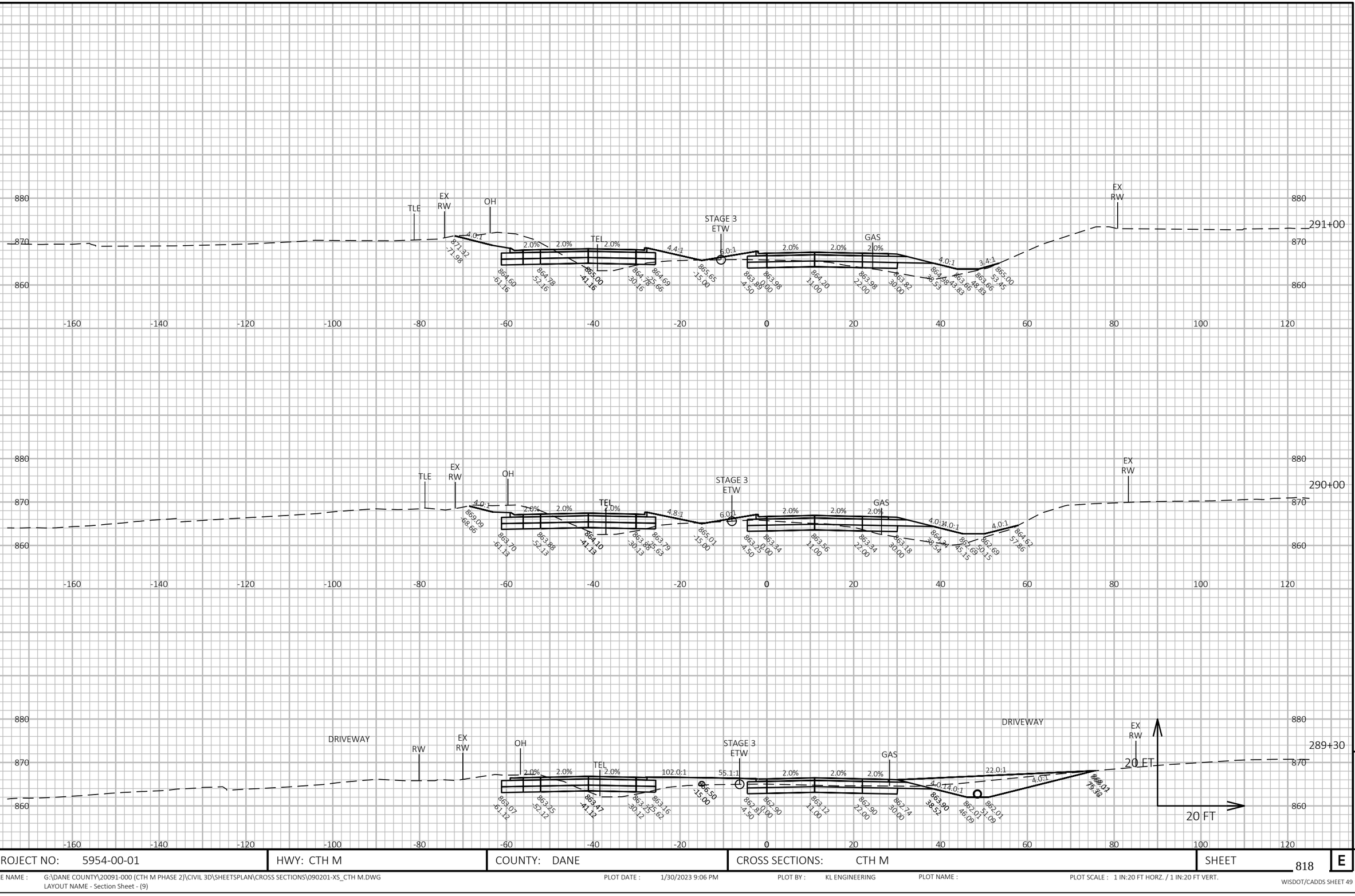
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (8)

PLOT DATE : 1/30/2023 9:05 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

9

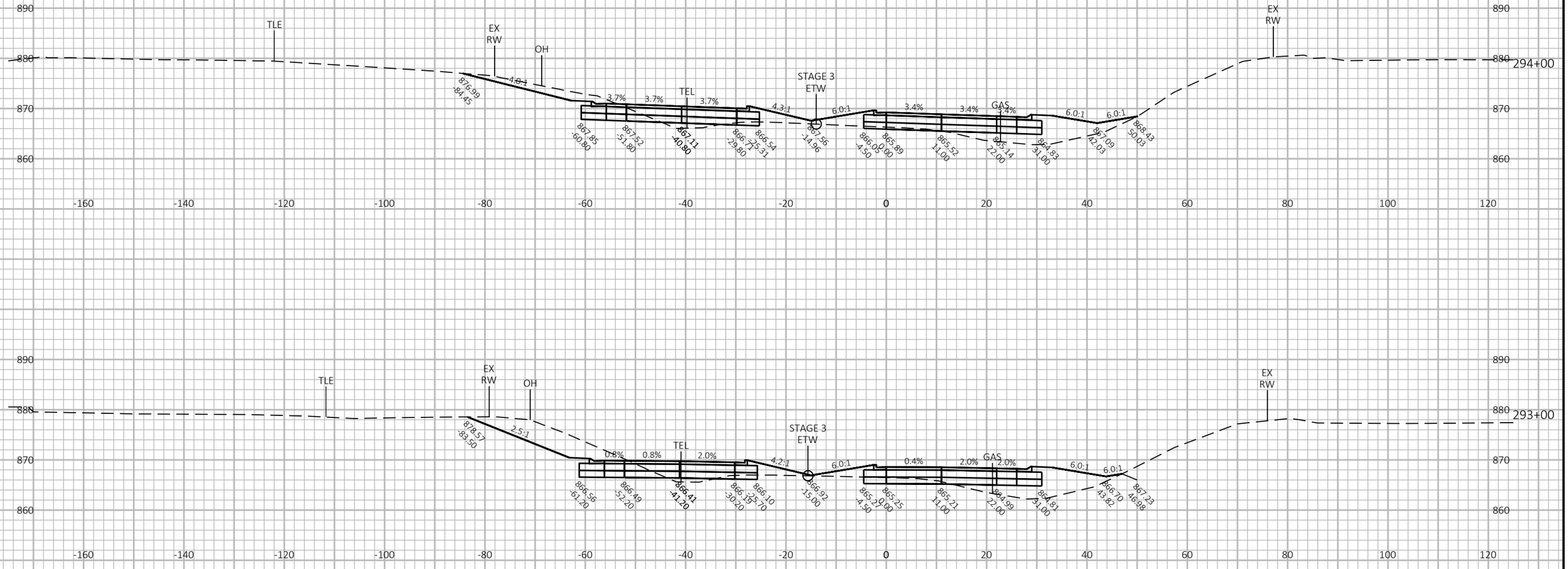


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 818	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (9)

PLOT DATE : 1/30/2023 9:06 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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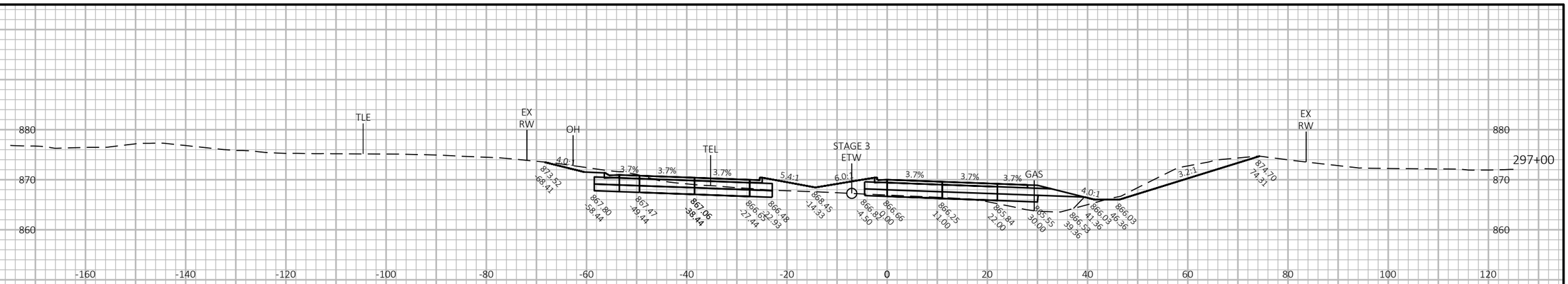
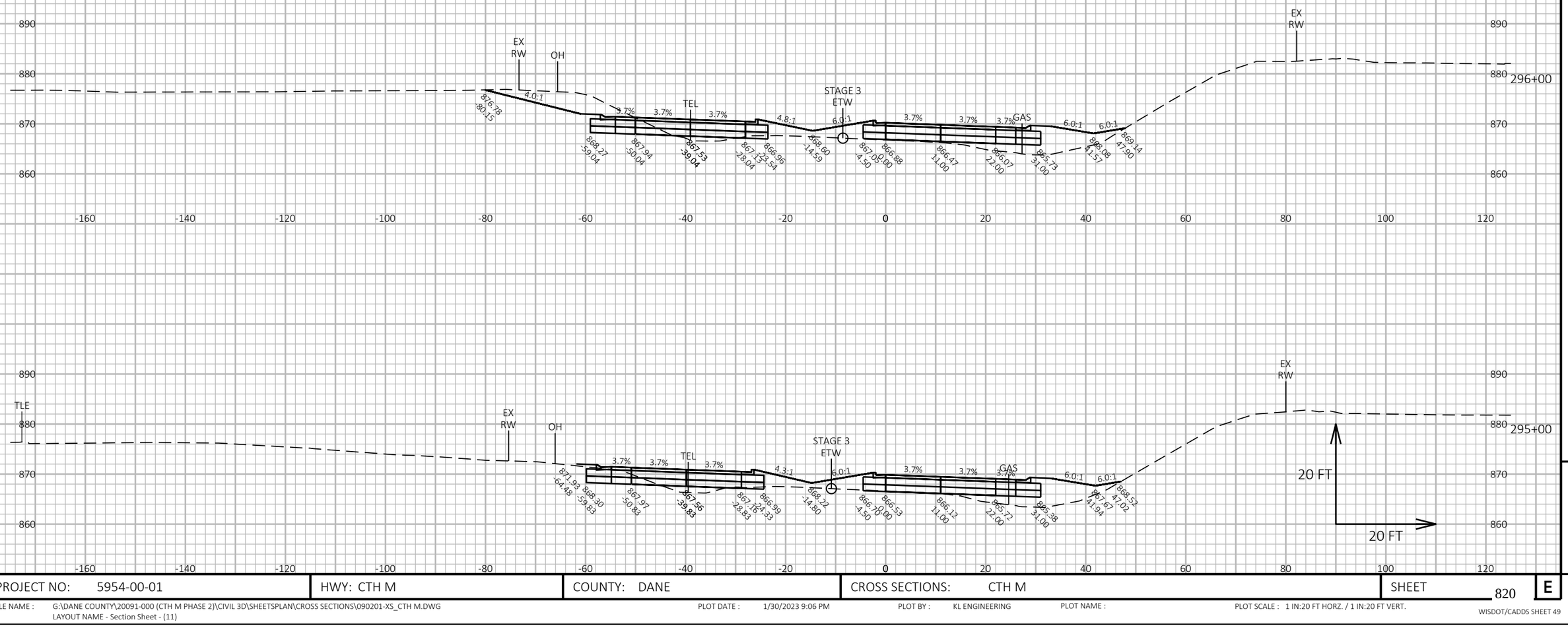
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 819	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (10)

PLOT DATE : 1/30/2023 9:06 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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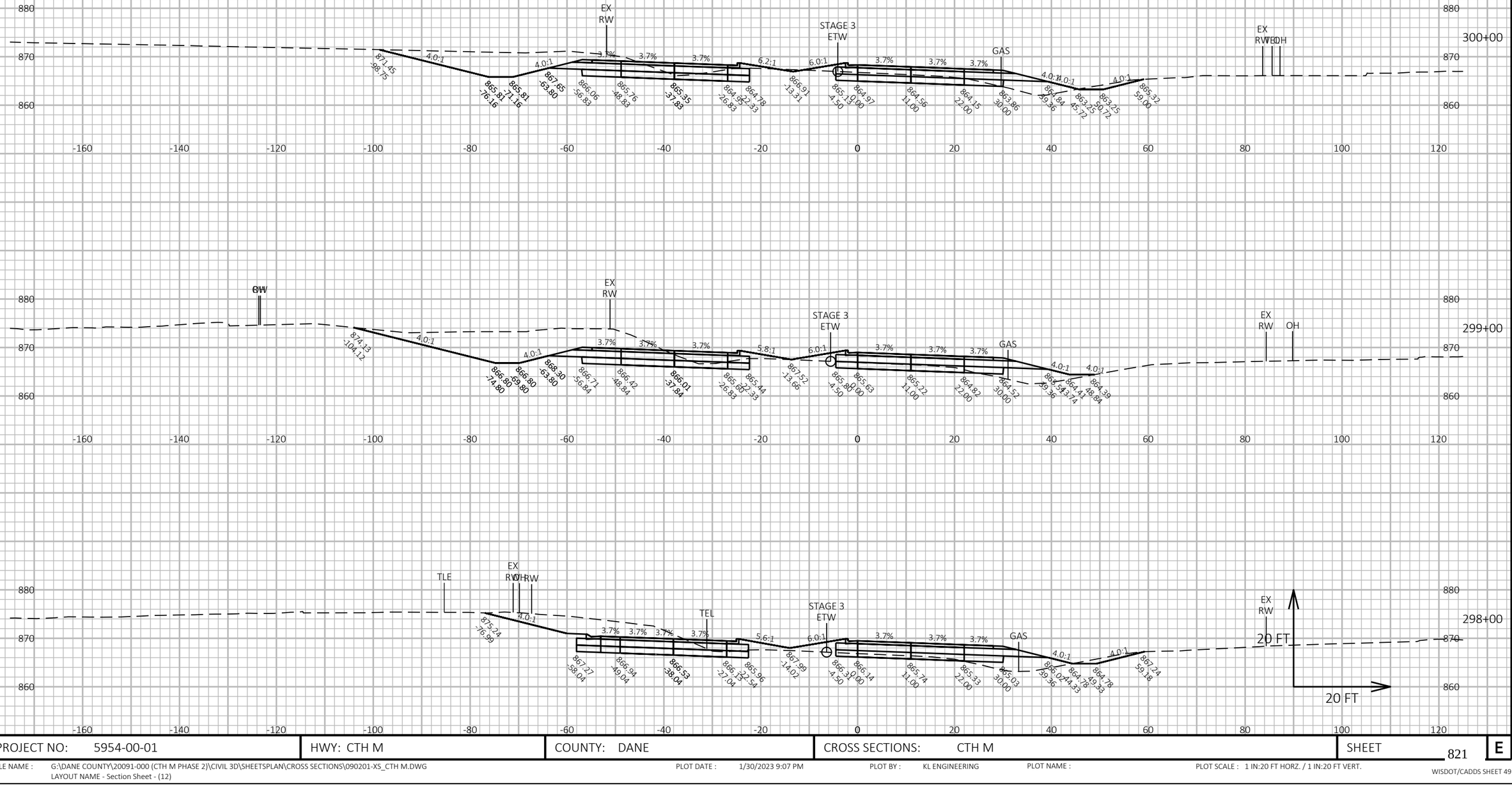
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 820	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (11)

PLOT DATE : 1/30/2023 9:06 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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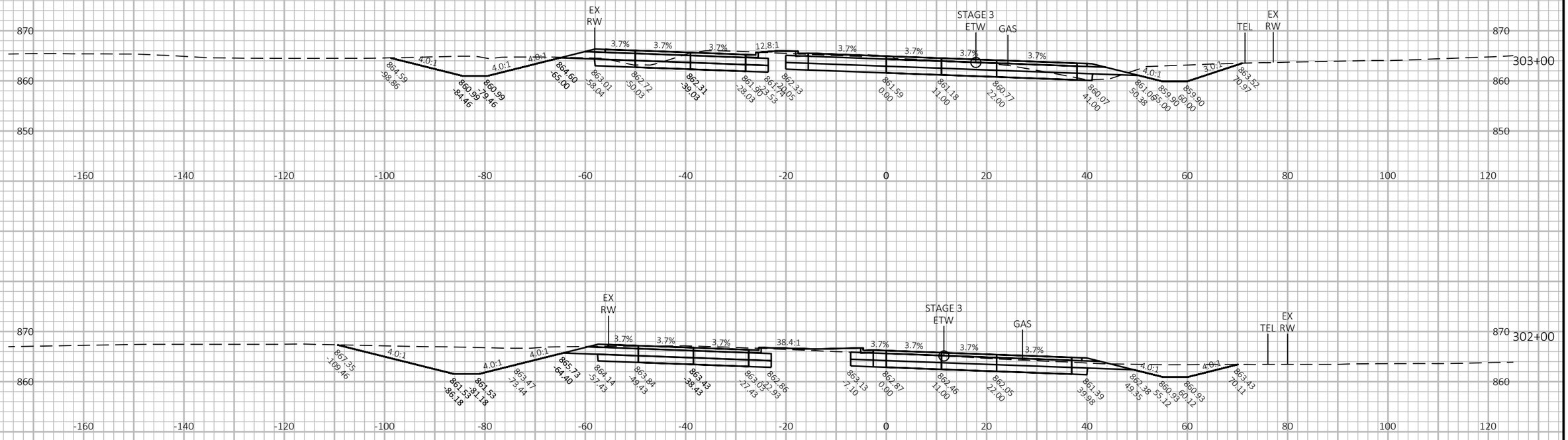
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 821	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (12)

PLOT DATE : 1/30/2023 9:07 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

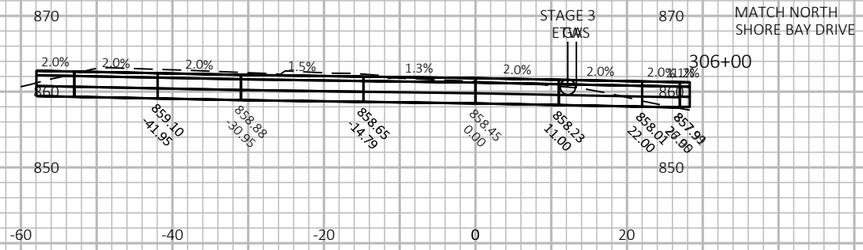


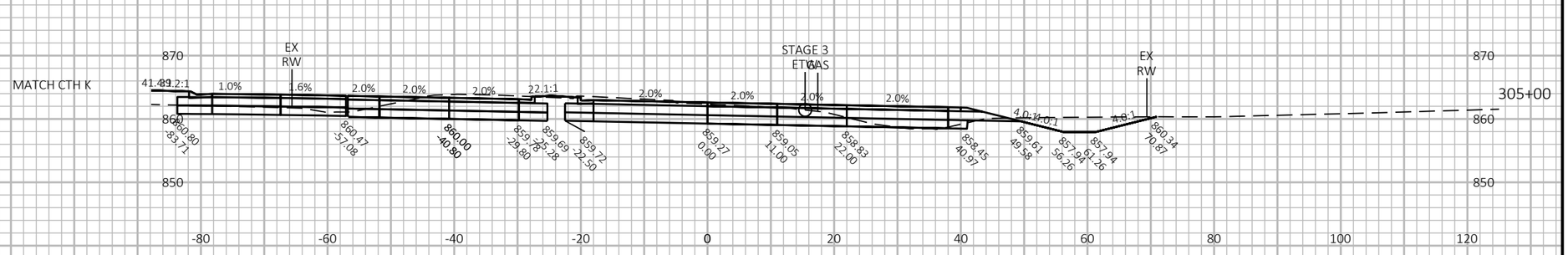
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 822	E

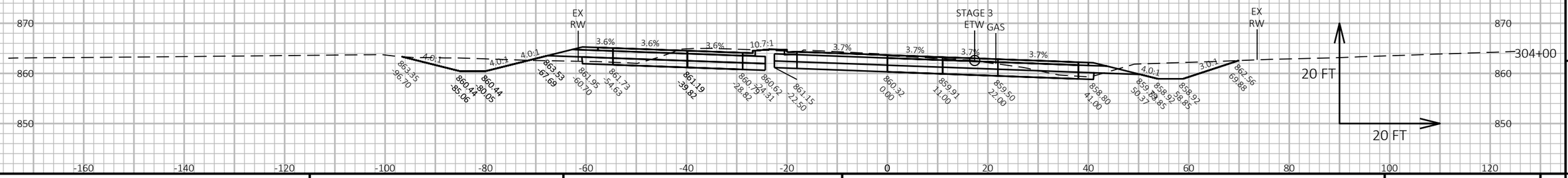
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (13)

PLOT DATE : 1/30/2023 9:07 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 823	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (14)

PLOT DATE : 1/30/2023 9:07 PM

PLOT BY : KL ENGINEERING

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 824	E

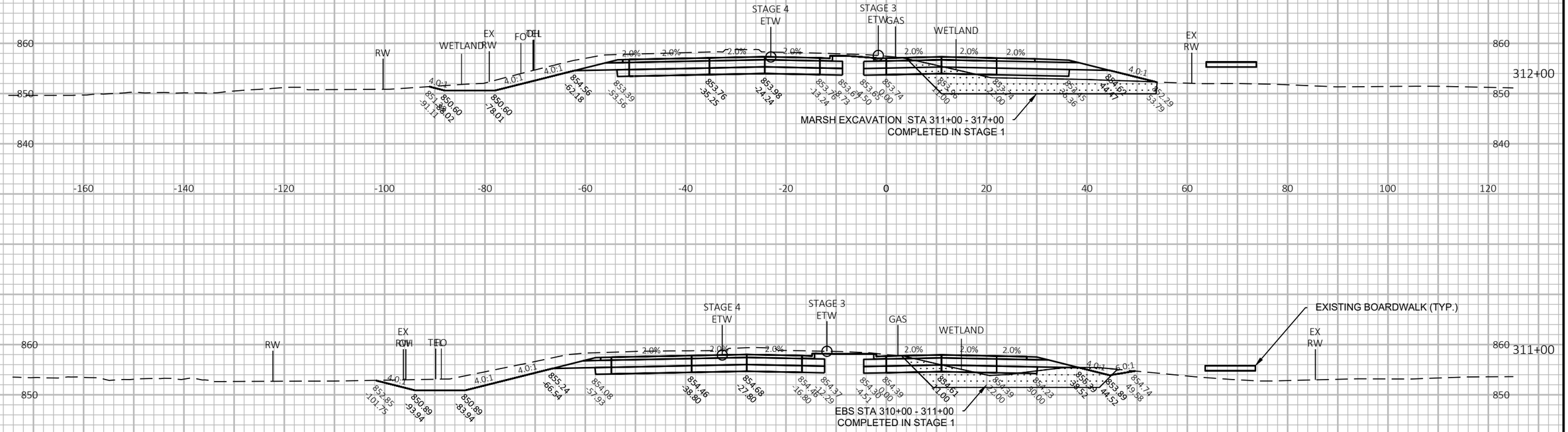
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (15)

PLOT DATE : 1/30/2023 9:08 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

9

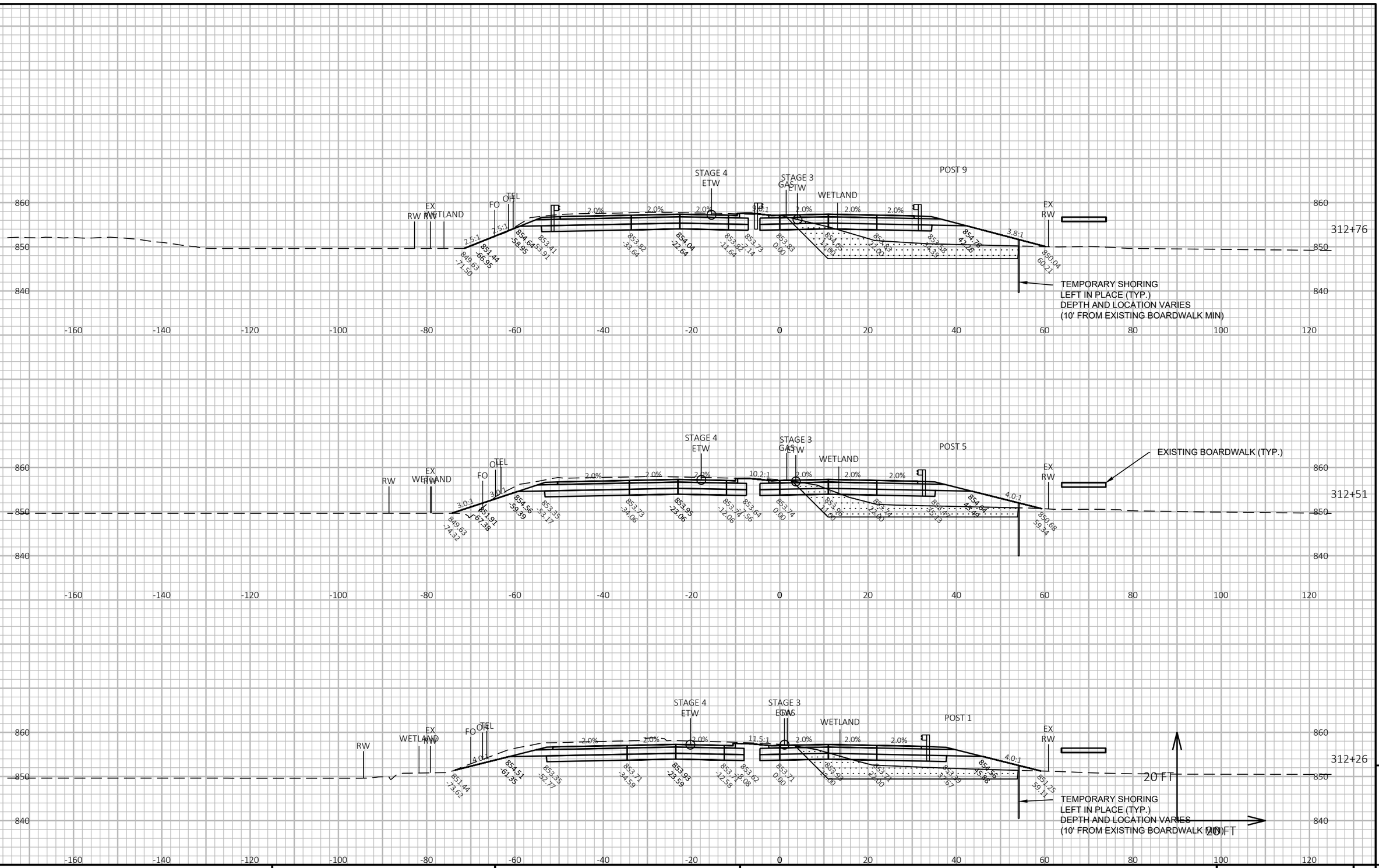


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 825 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (16)

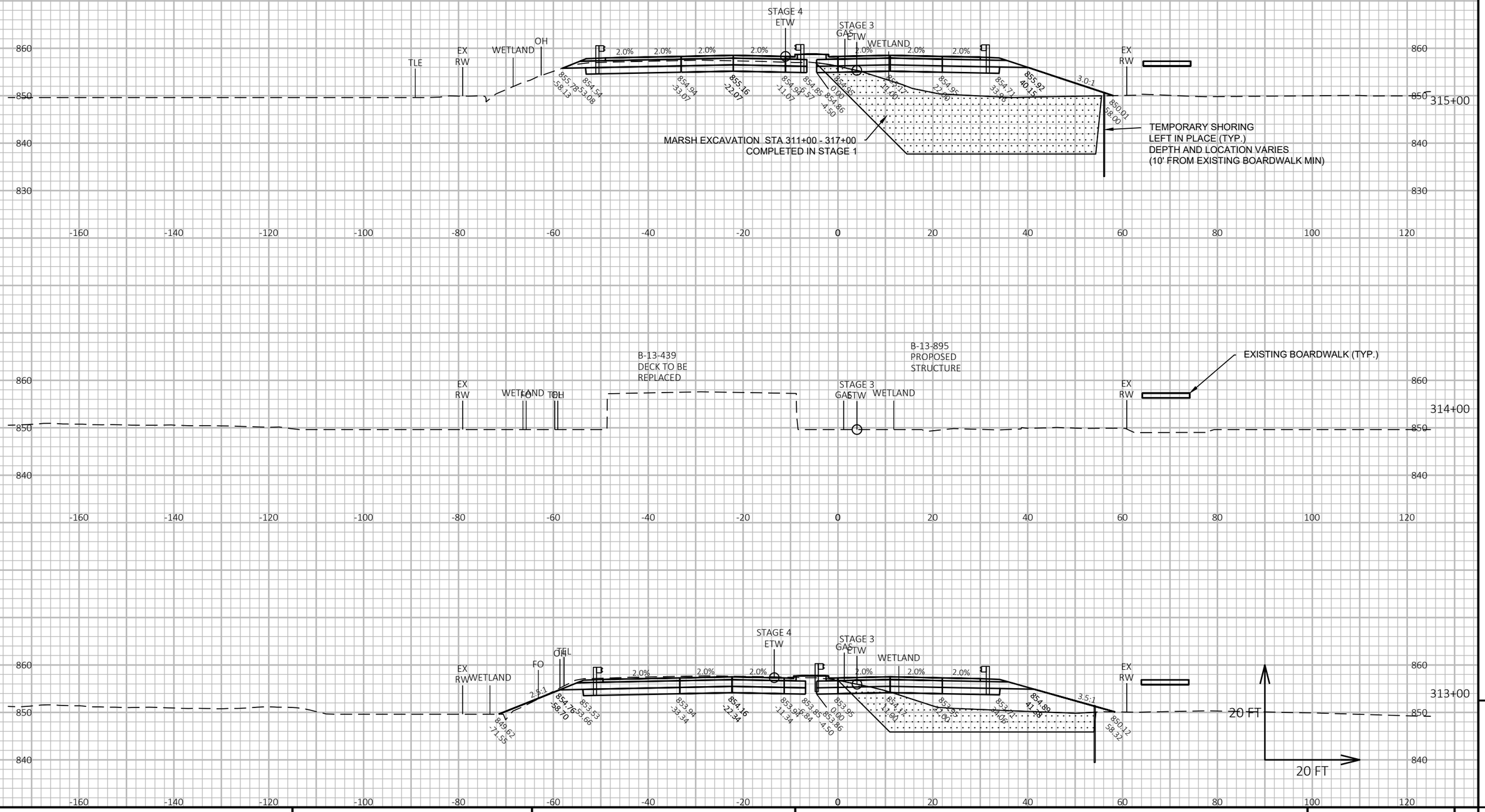
PLOT DATE : 1/30/2023 9:08 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 826	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (17)
PLOT DATE : 1/30/2023 9:08 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49



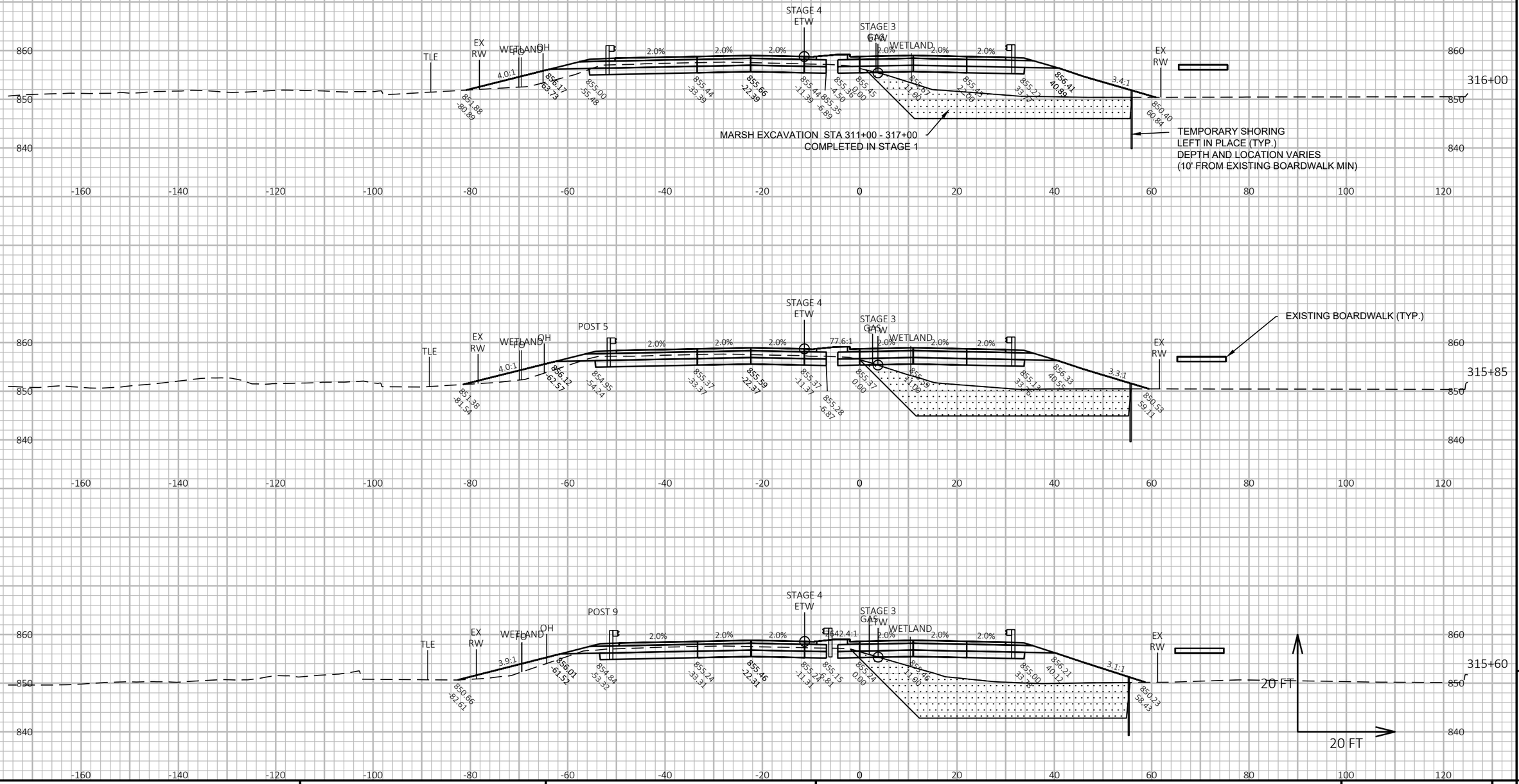
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 827	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (18)

PLOT DATE : 1/30/2023 9:09 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9



9

9

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 828	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (19)

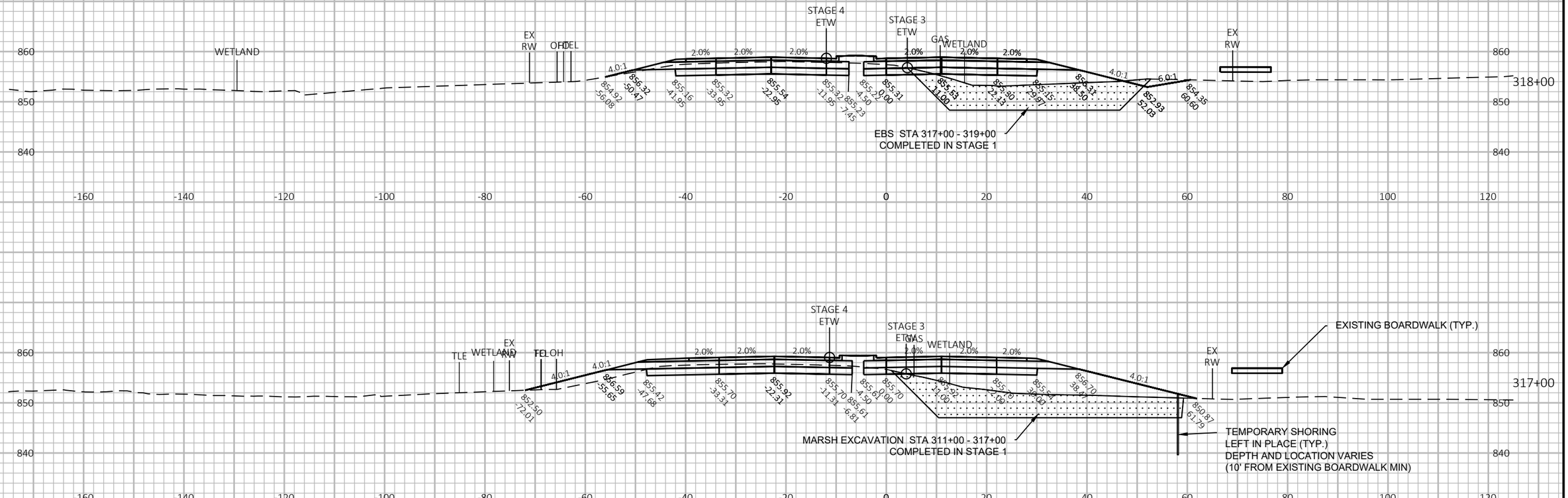
PLOT DATE : 1/30/2023 9:09 PM

PLOT BY : KL ENGINEERING

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

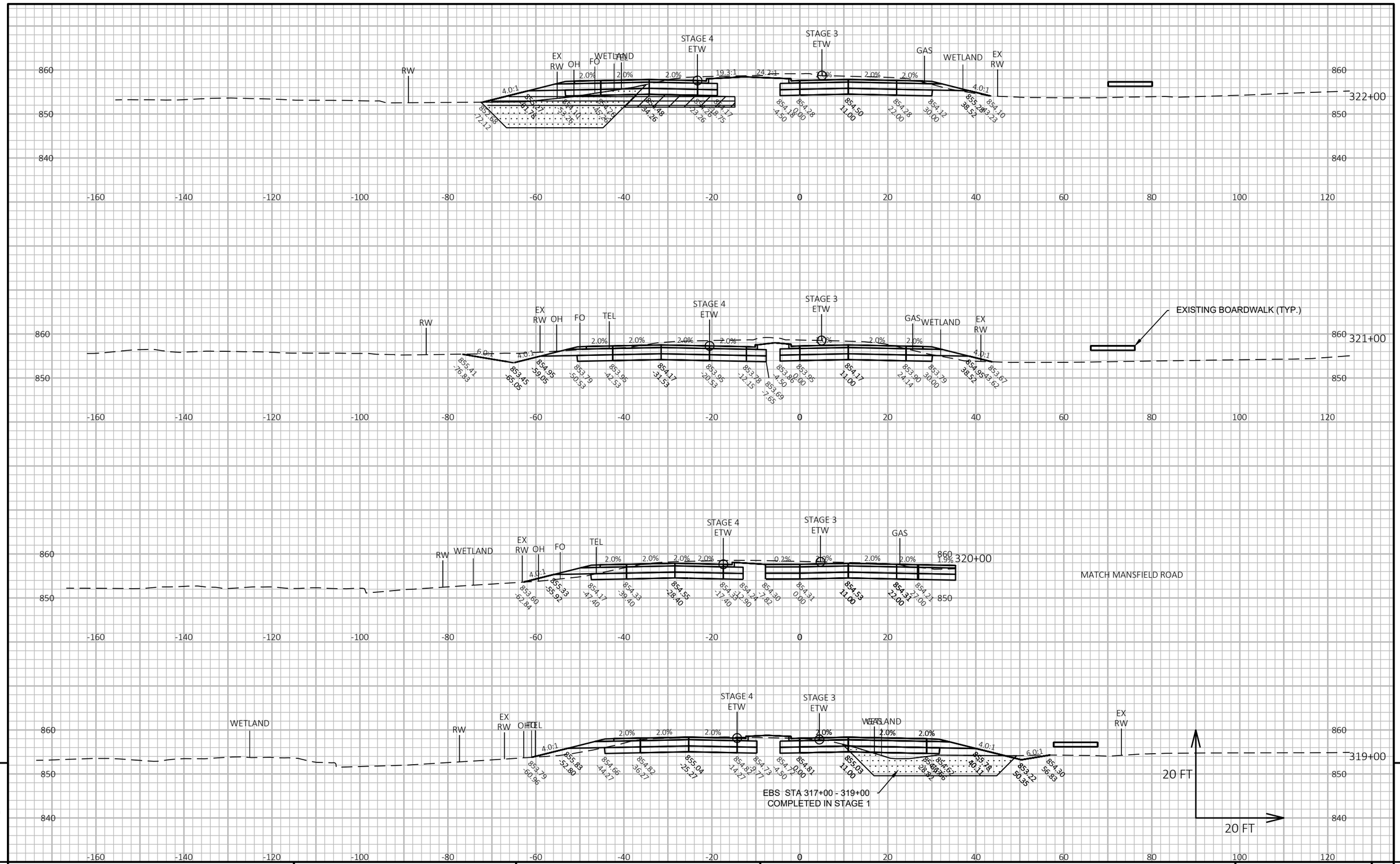


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 829 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (20)

PLOT DATE : 1/30/2023 9:09 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

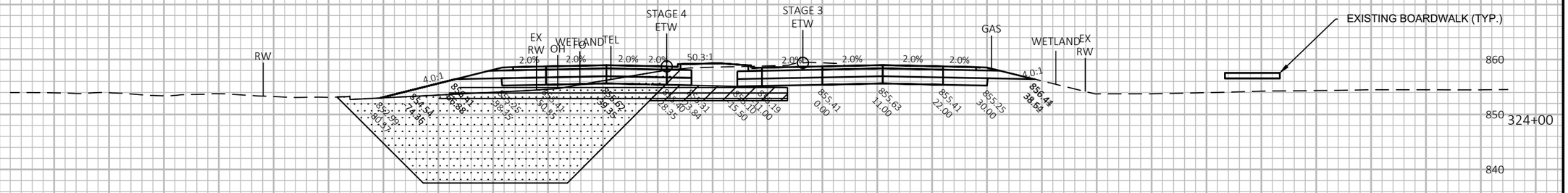


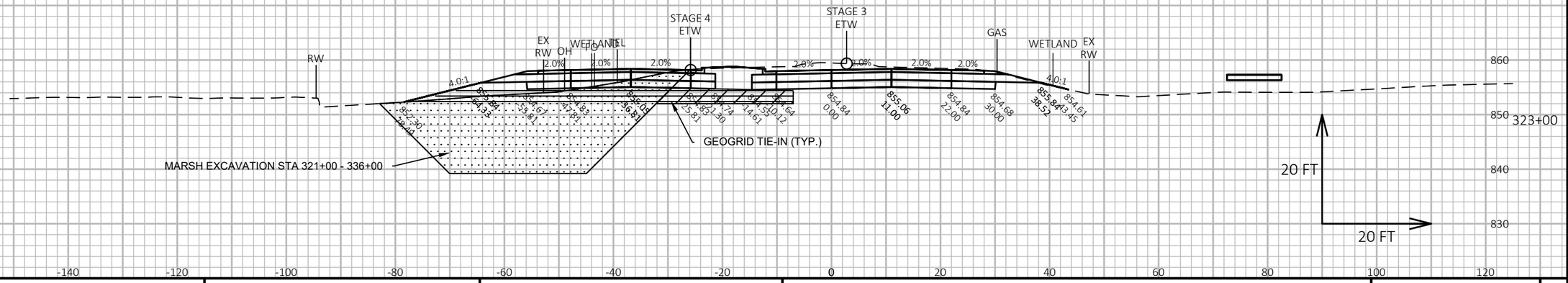
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 830 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (21)

PLOT DATE : 1/30/2023 9:10 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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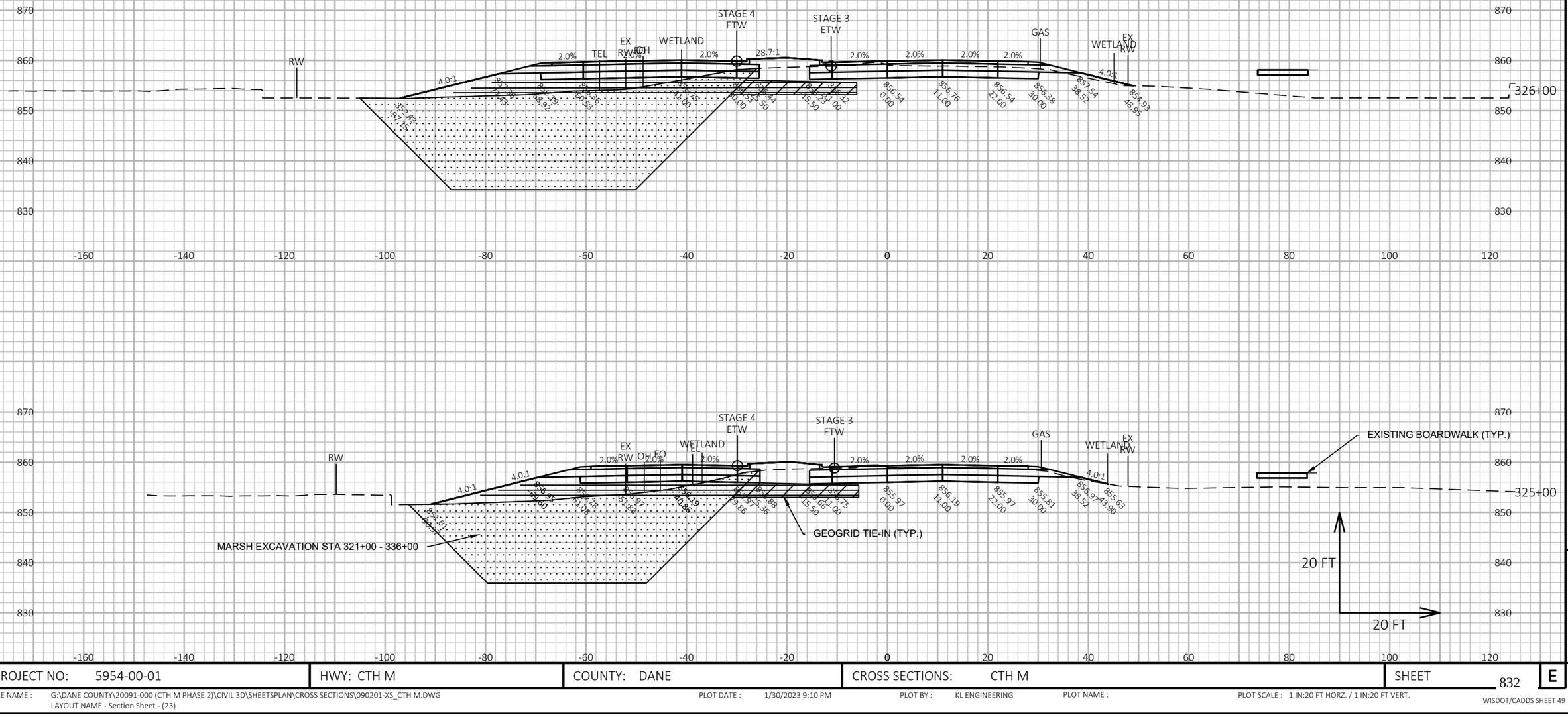
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 831	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (22)

PLOT DATE : 1/30/2023 9:10 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

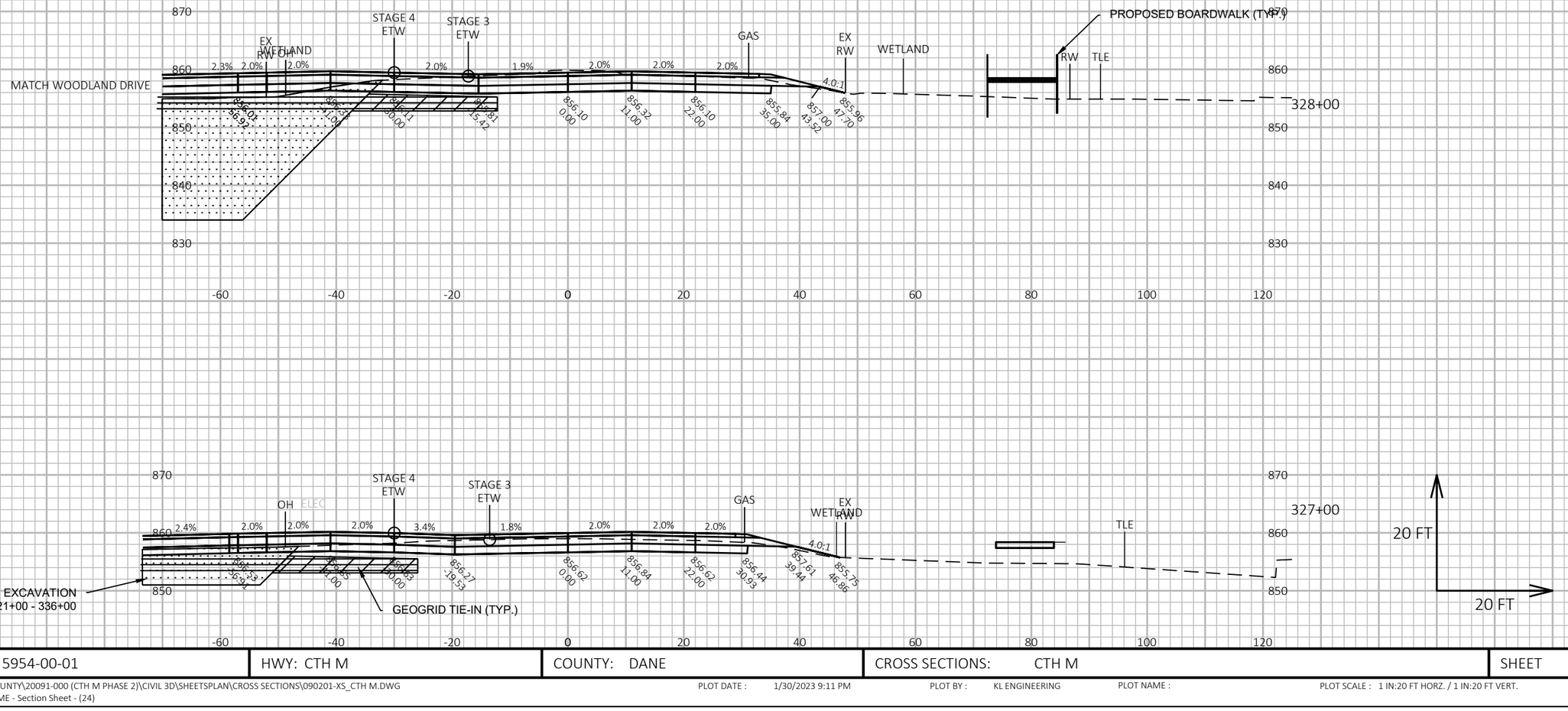


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 832 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (23)

PLOT DATE : 1/30/2023 9:10 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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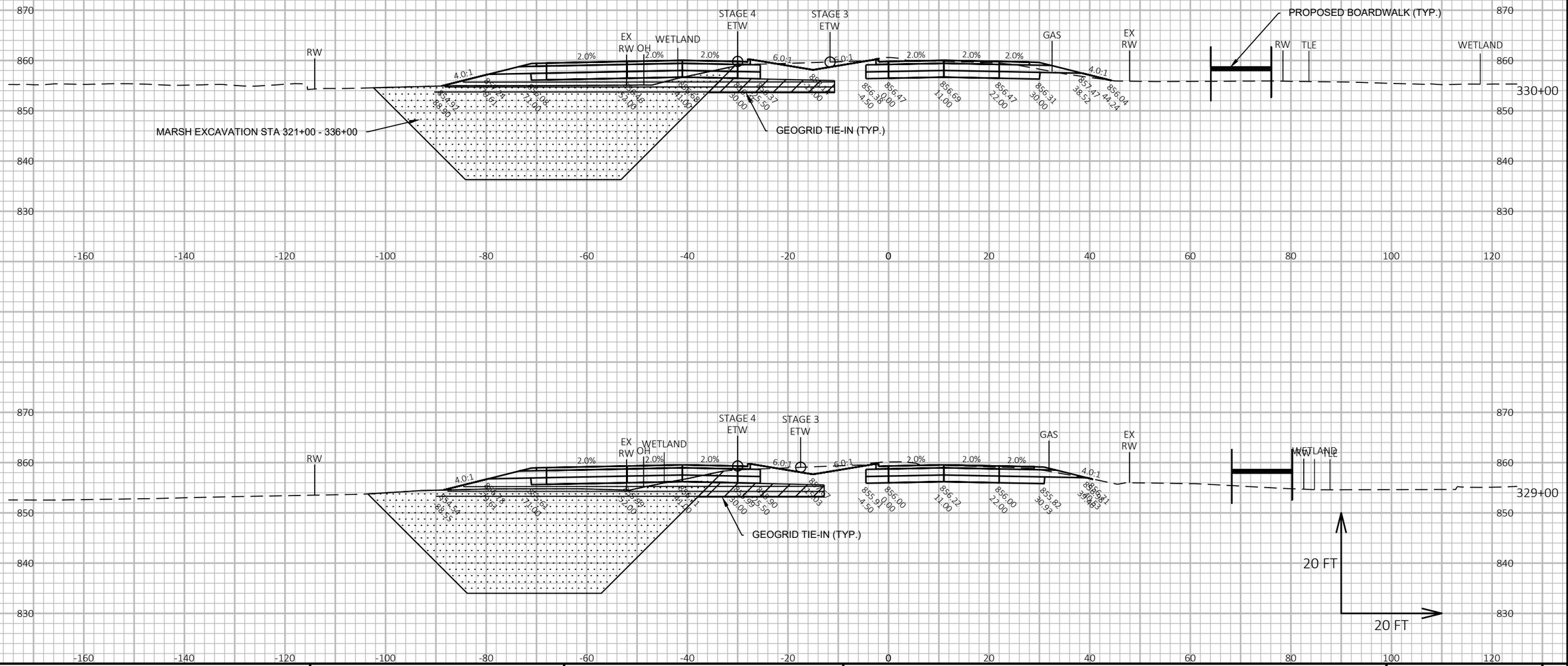
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 833	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (24)

PLOT DATE : 1/30/2023 9:11 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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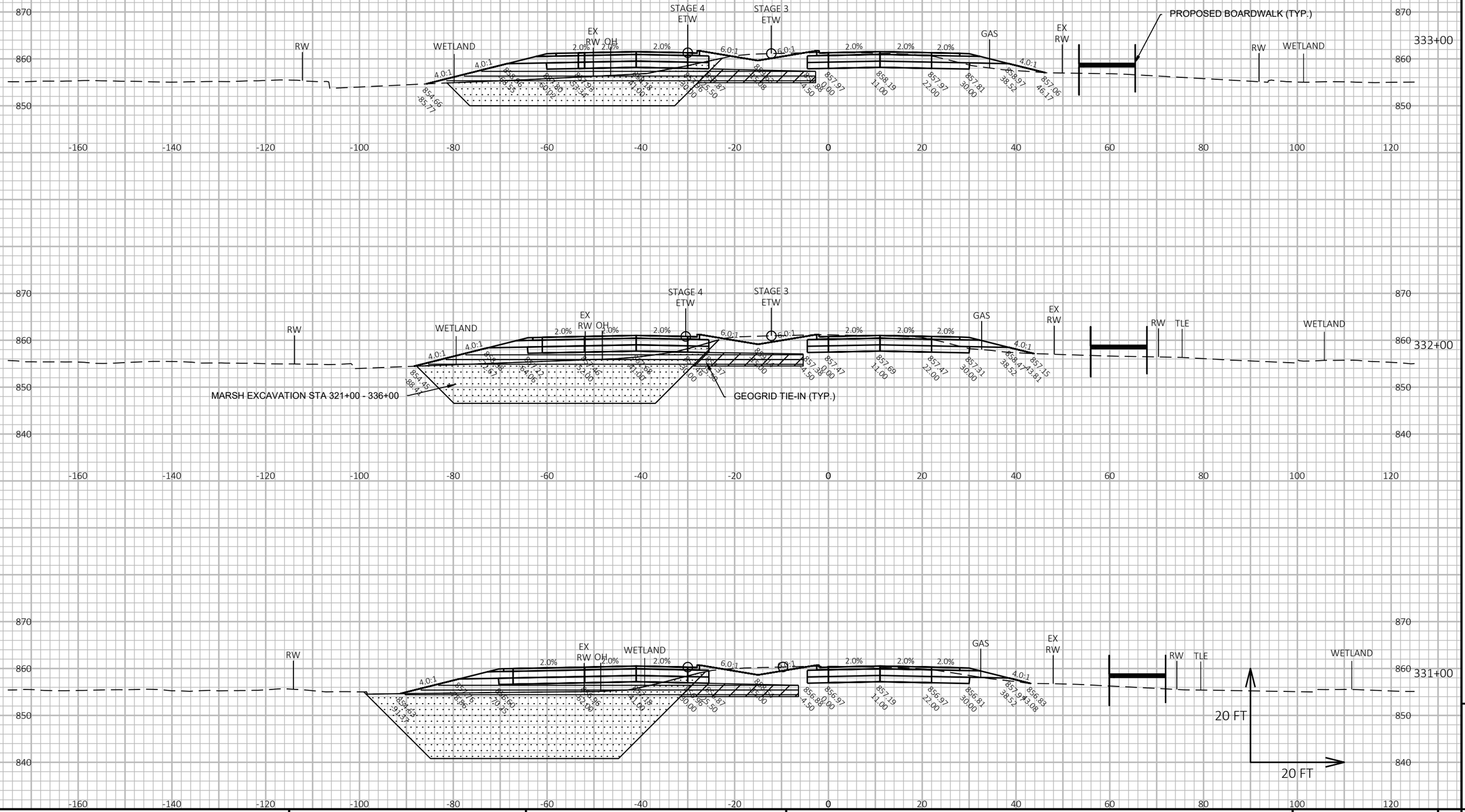
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 834	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (25)

PLOT DATE : 1/30/2023 9:11 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

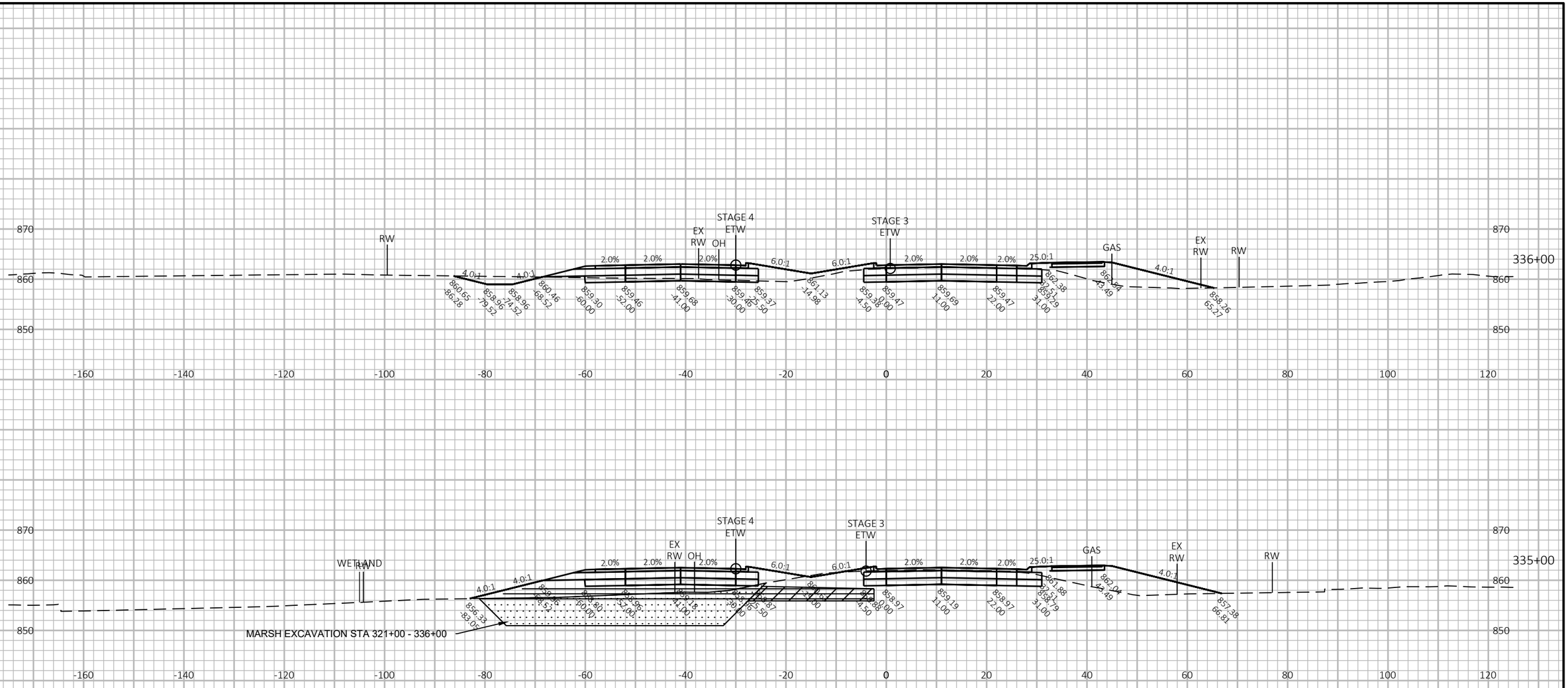


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 835 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (26)

PLOT DATE : 1/30/2023 9:11 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

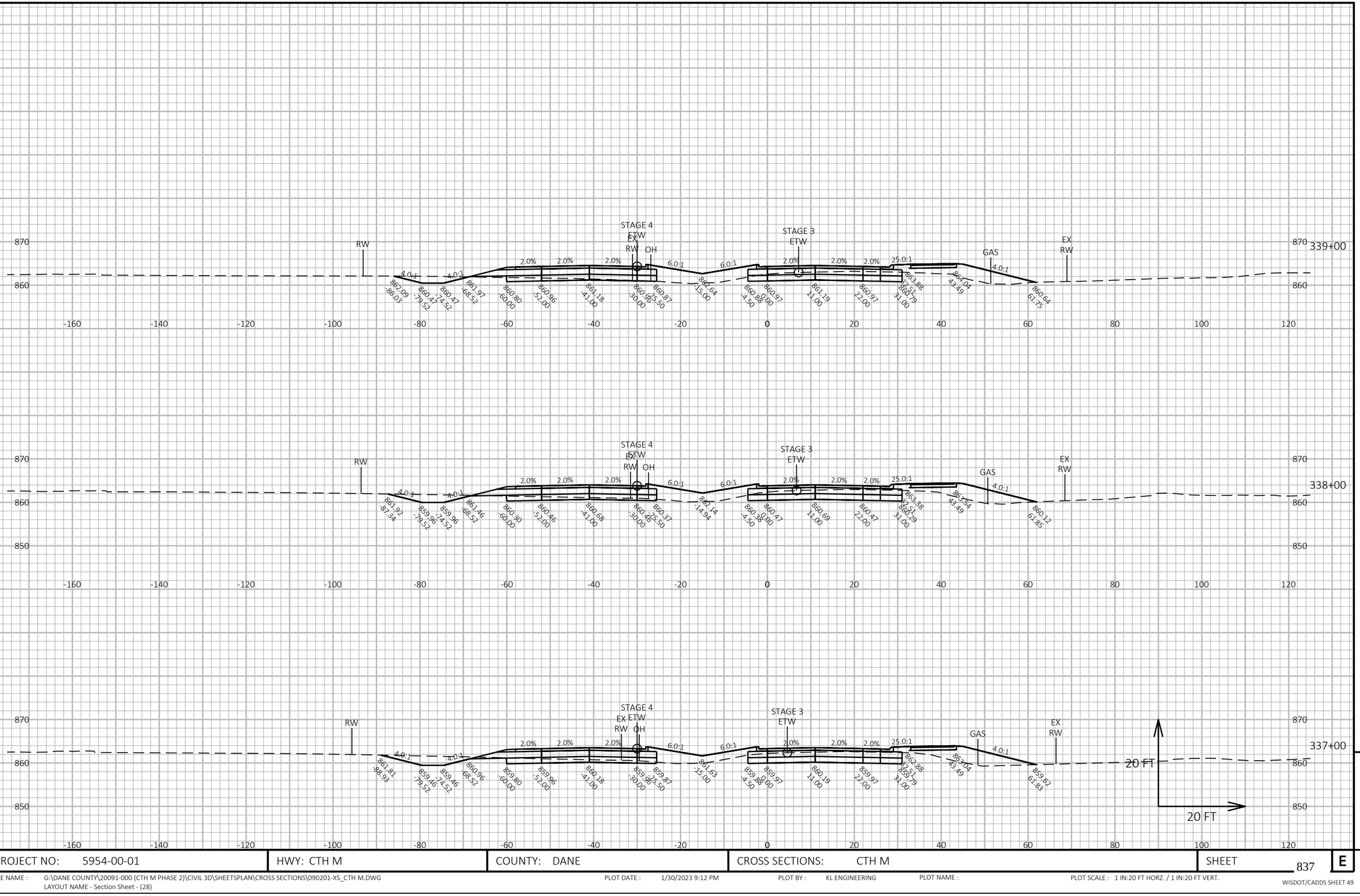


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 836 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (27)

PLOT DATE : 1/30/2023 9:12 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 837	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (28)

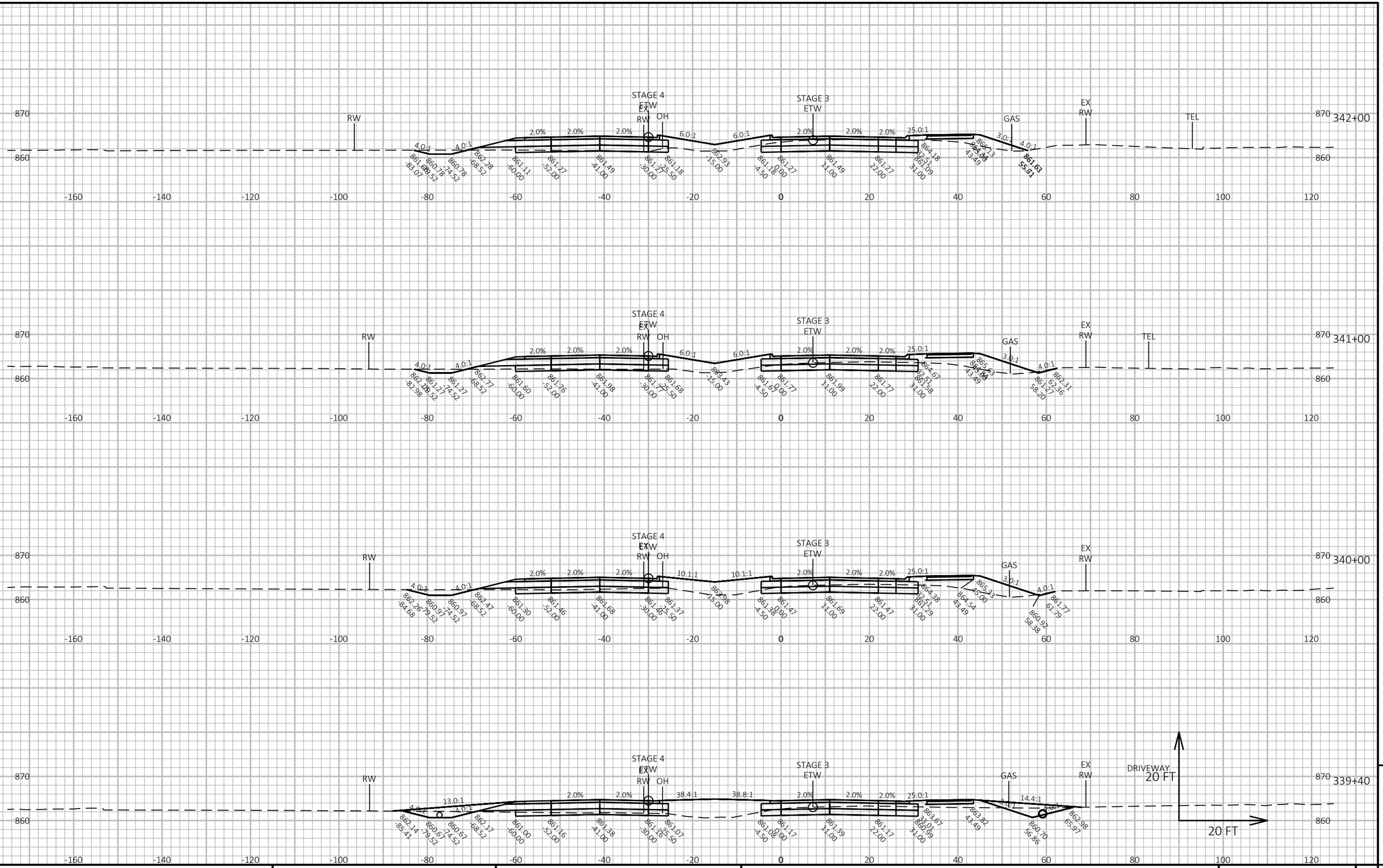
PLOT DATE : 1/30/2023 9:12 PM

PLOT BY : KL ENGINEERING

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 838	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (29)

PLOT DATE : 1/30/2023 9:12 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

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PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 839	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (30)

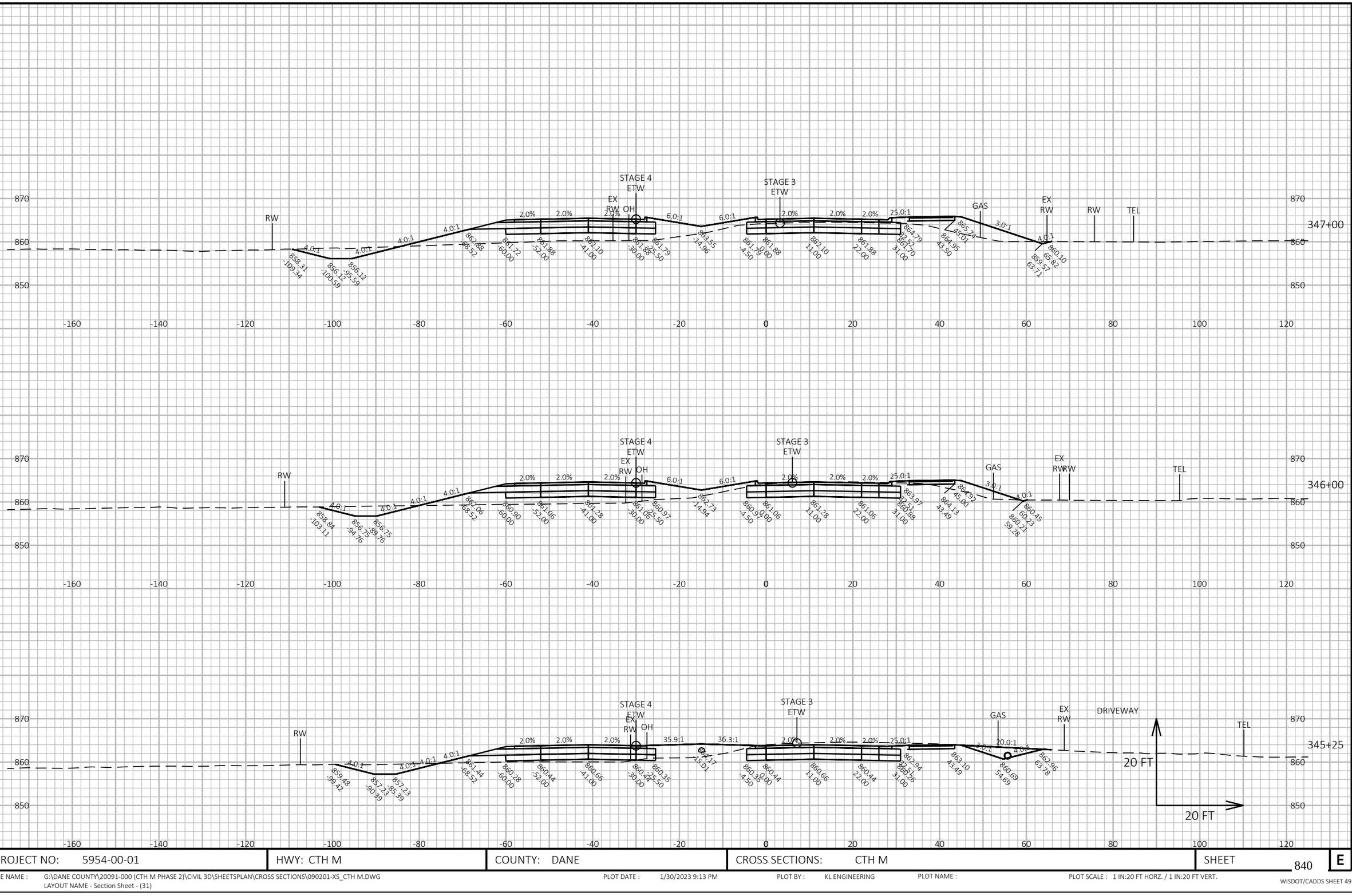
PLOT DATE : 1/30/2023 9:13 PM

PLOT BY : KL ENGINEERING

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 840	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (31)

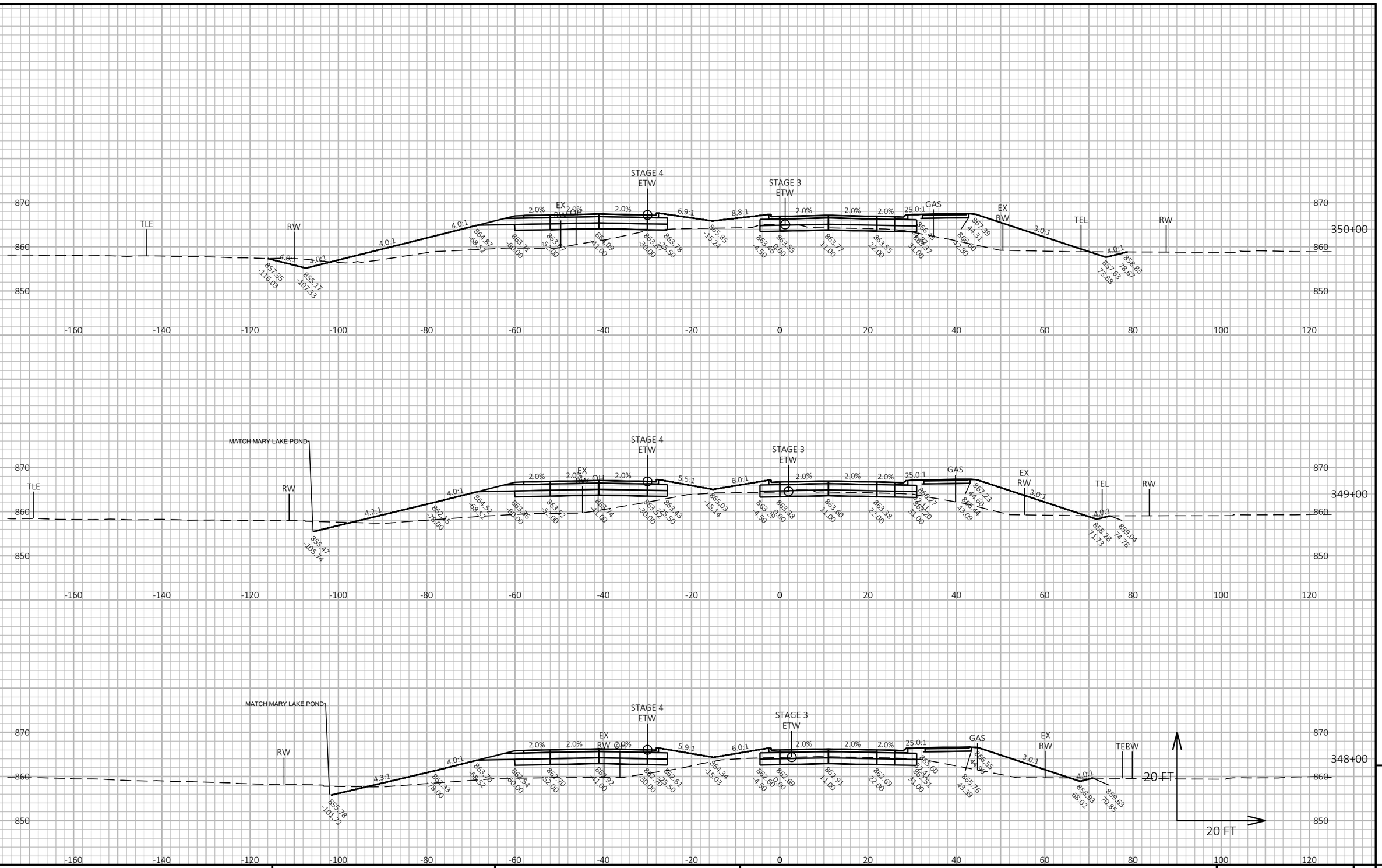
PLOT DATE : 1/30/2023 9:13 PM

PLOT BY : KL ENGINEERING

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 841	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (32)

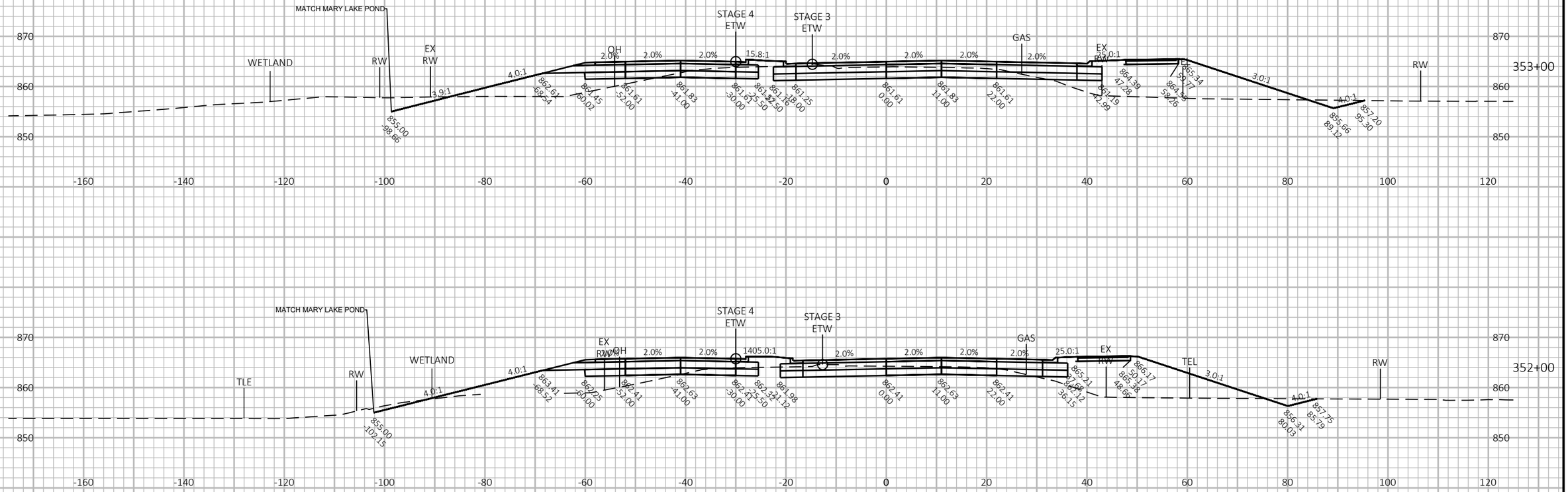
PLOT DATE : 1/30/2023 9:13 PM

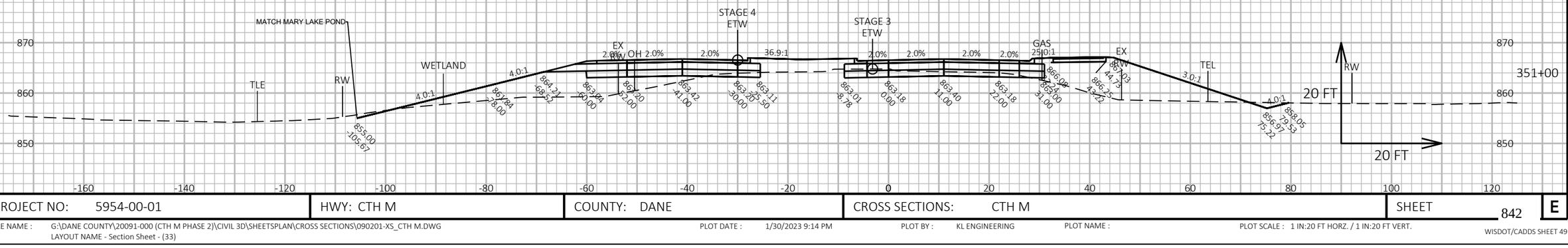
PLOT BY : KL ENGINEERING

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 842	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (33)

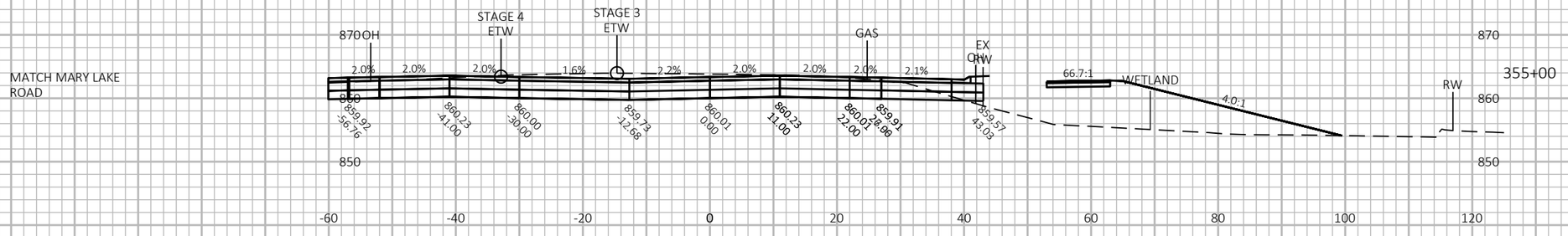
PLOT DATE : 1/30/2023 9:14 PM

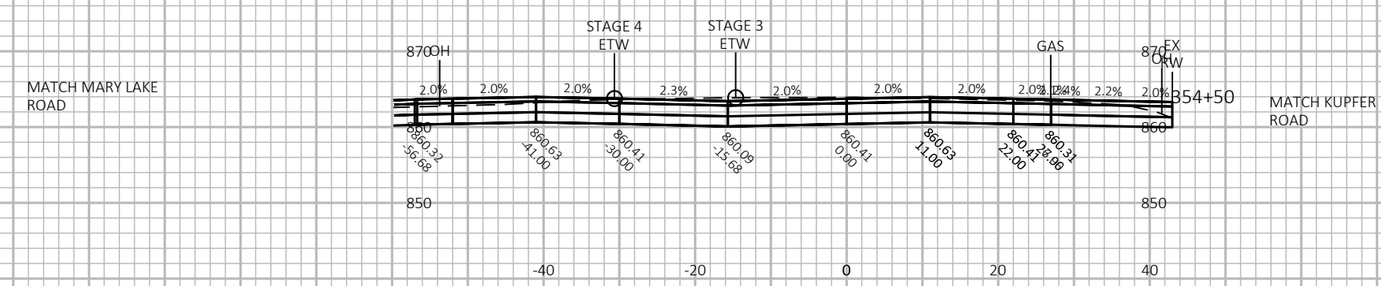
PLOT BY : KL ENGINEERING

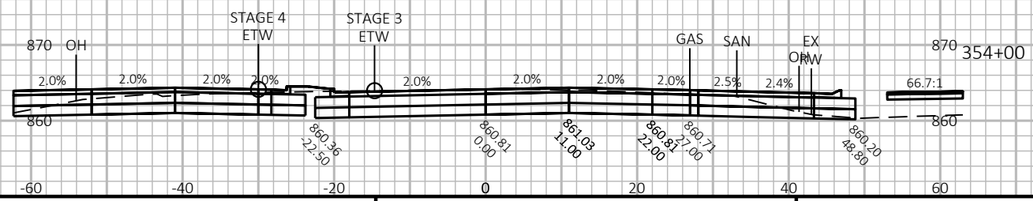
PLOT NAME :

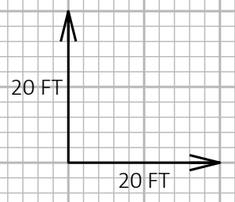
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49









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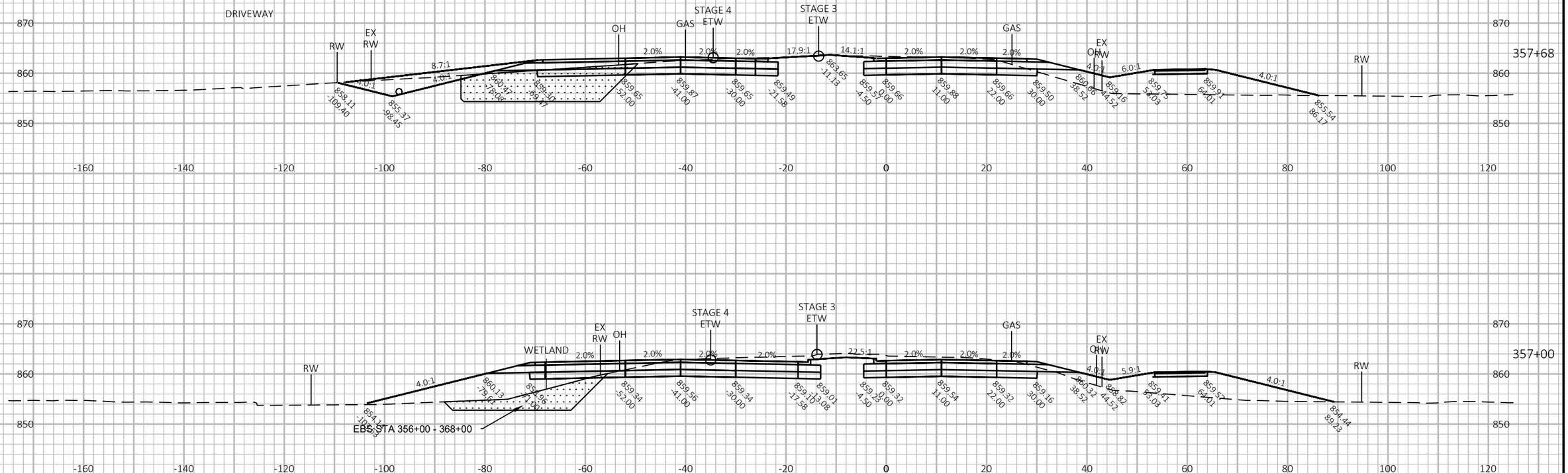
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 843	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (34)

PLOT DATE : 1/30/2023 9:14 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 844	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (35)

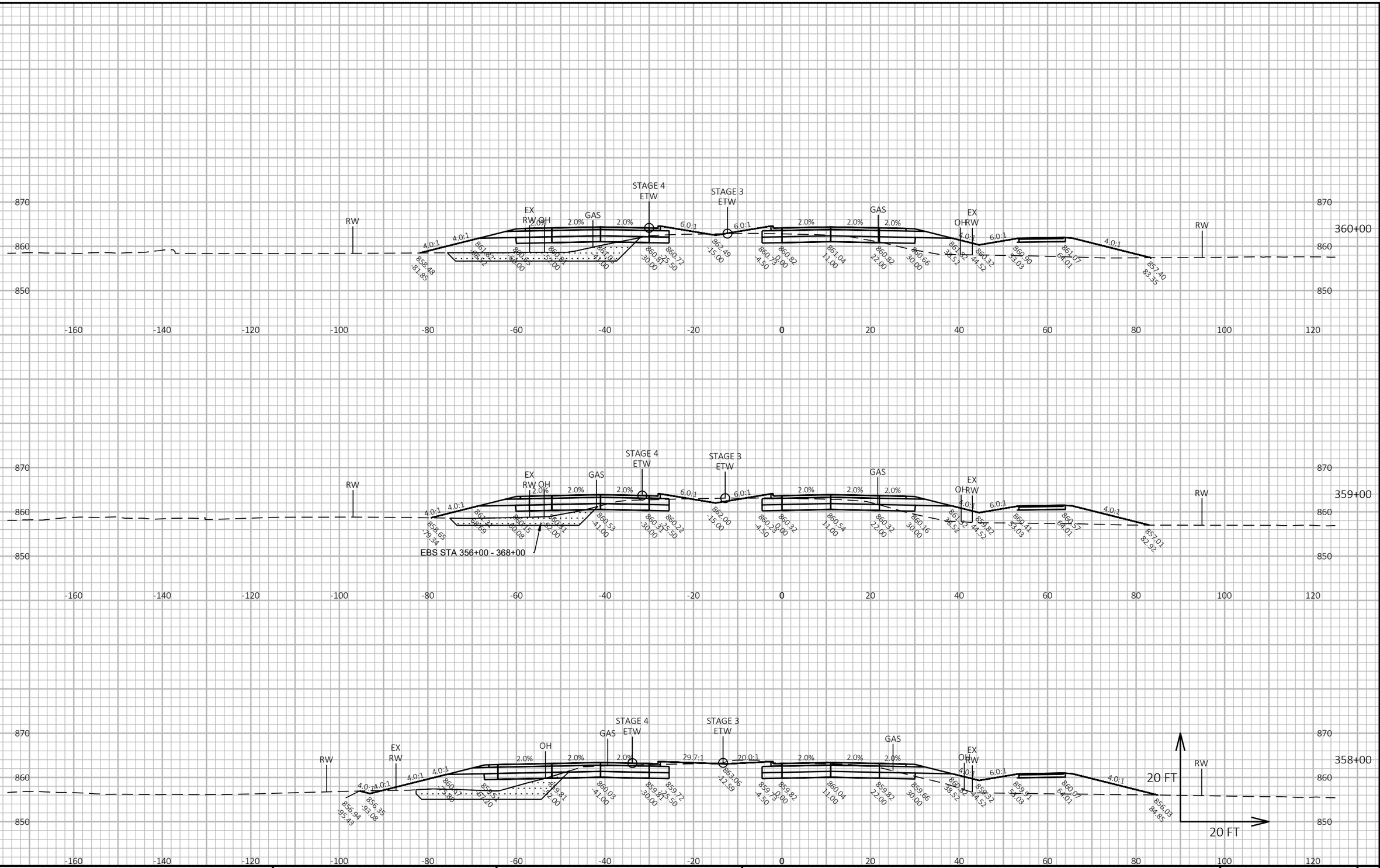
PLOT DATE : 1/30/2023 9:14 PM

PLOT BY : KL ENGINEERING

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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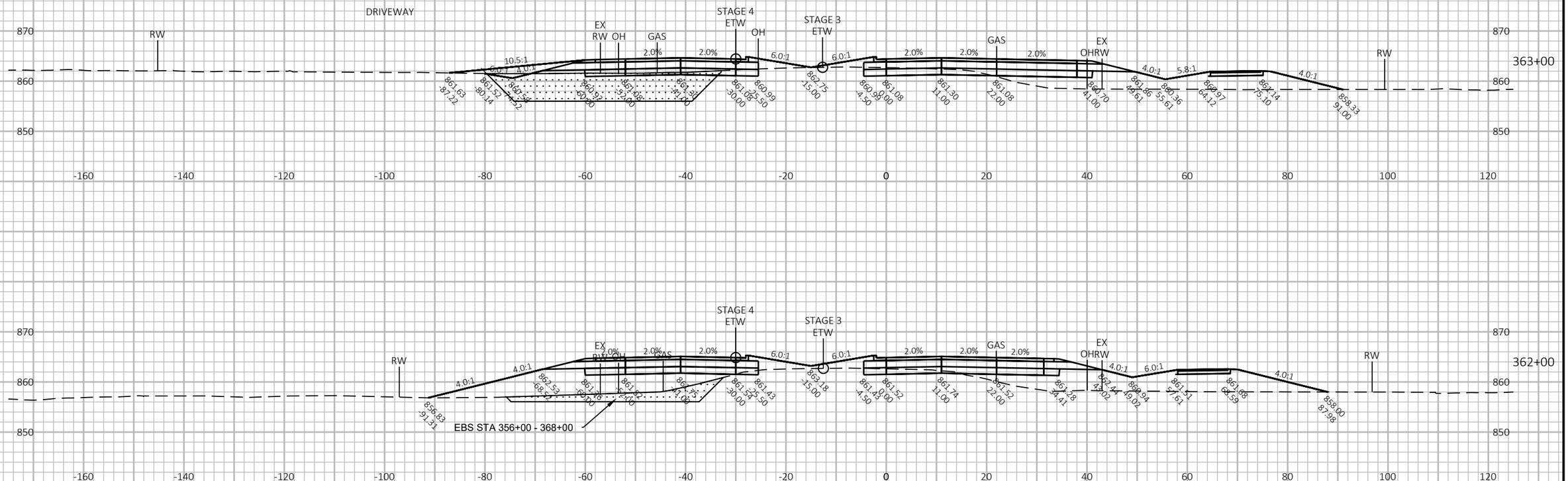
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 845	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (36)

PLOT DATE : 1/30/2023 9:15 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 846	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (37)

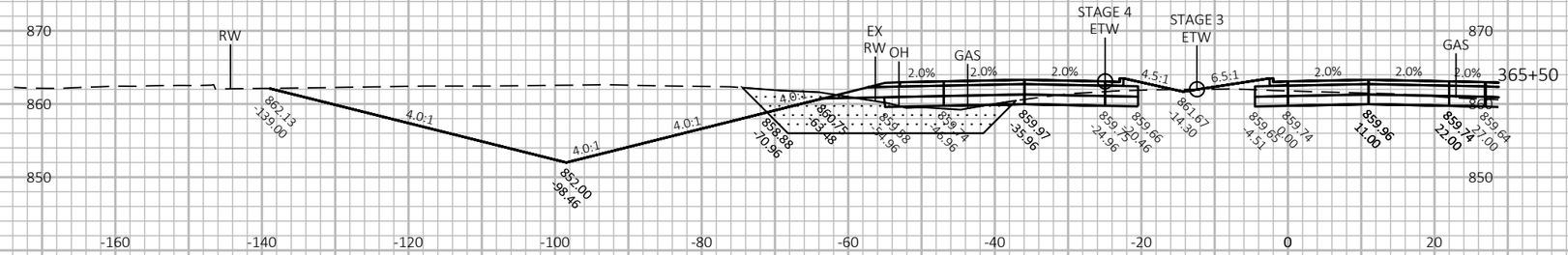
PLOT DATE : 1/30/2023 9:15 PM

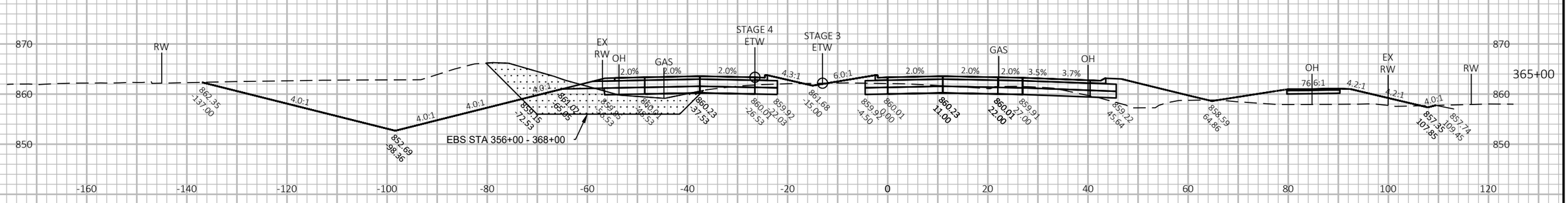
PLOT BY : KL ENGINEERING

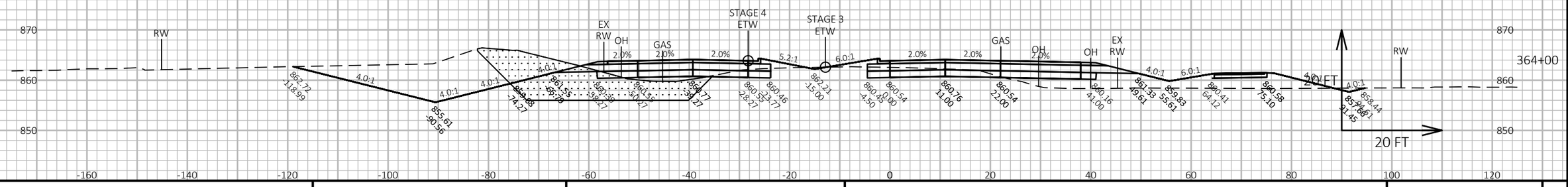
PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







9

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PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 847	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (38)

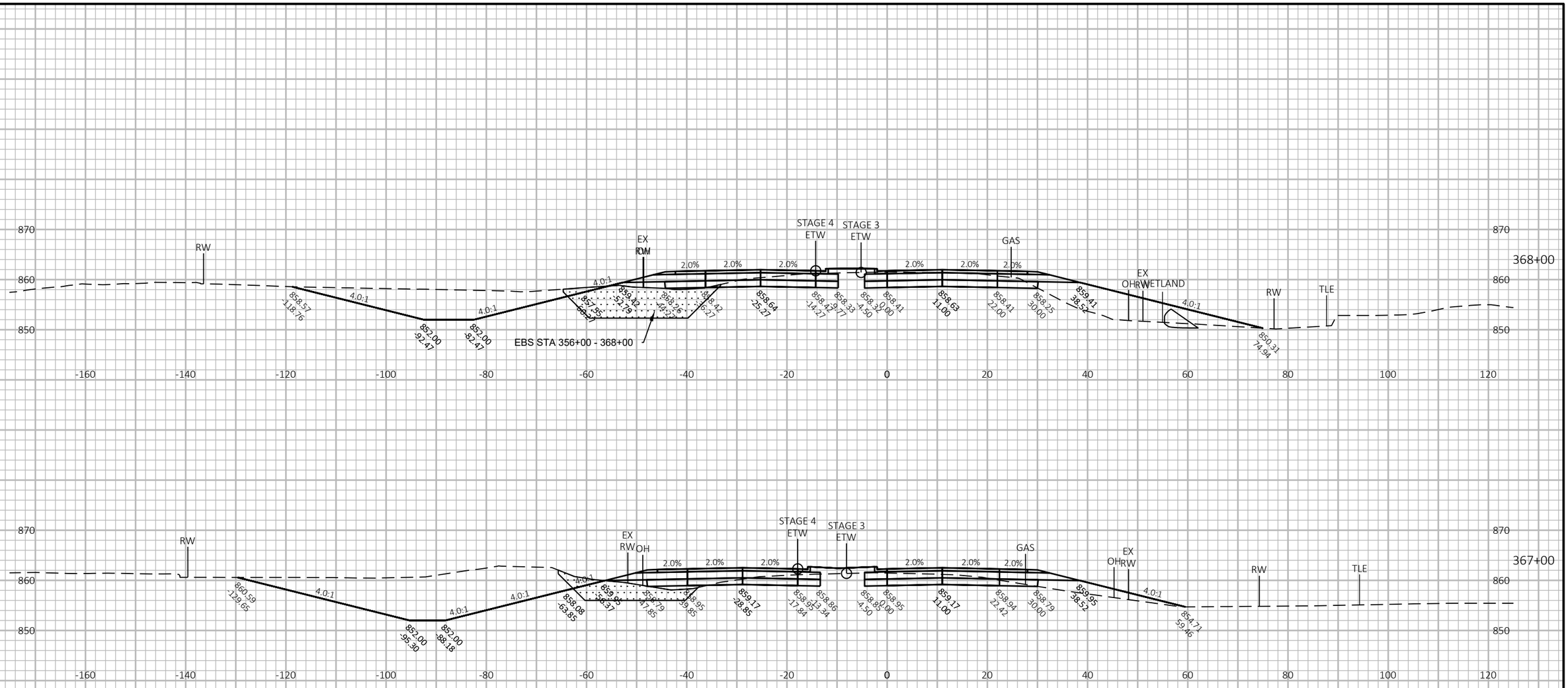
PLOT DATE : 1/30/2023 9:15 PM

PLOT BY : KL ENGINEERING

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

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PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 848	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (39)

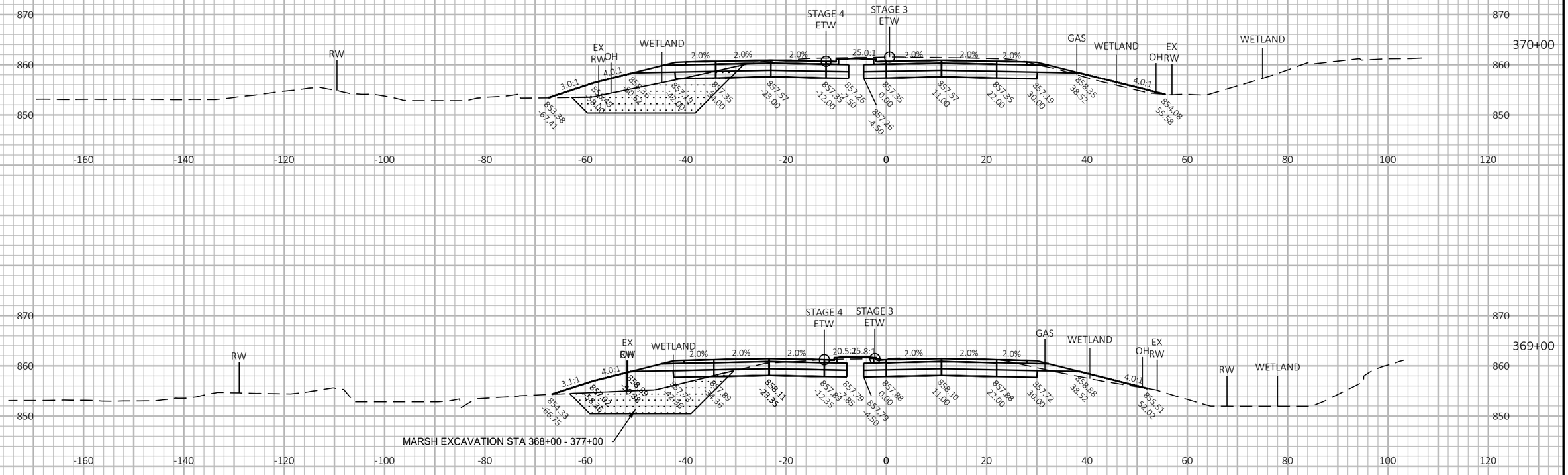
PLOT DATE : 1/30/2023 9:16 PM

PLOT BY : KL ENGINEERING

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

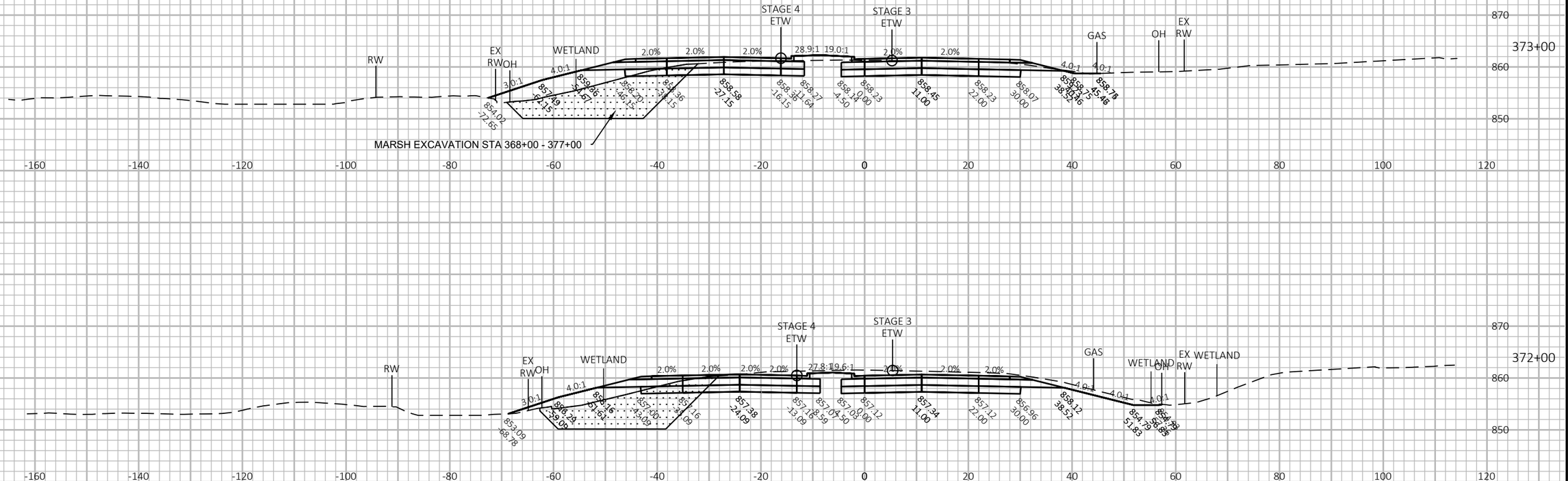
WISDOT/CADDS SHEET 49



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 849 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (40)
PLOT DATE : 1/30/2023 9:16 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 850 E

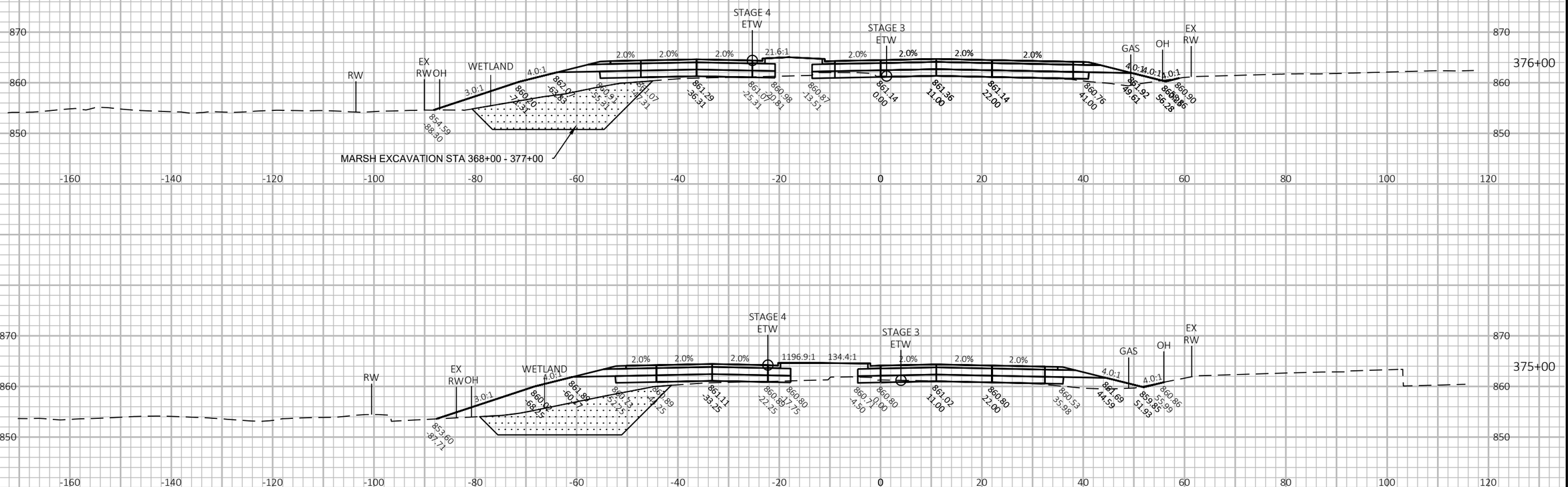
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (41)

PLOT DATE : 1/30/2023 9:16 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

9

9

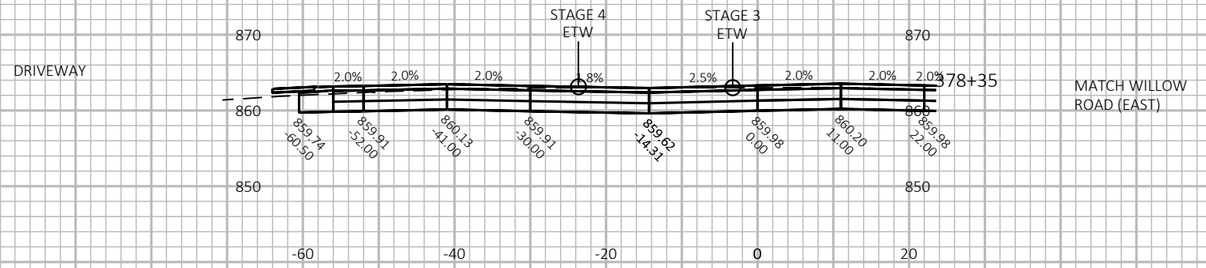


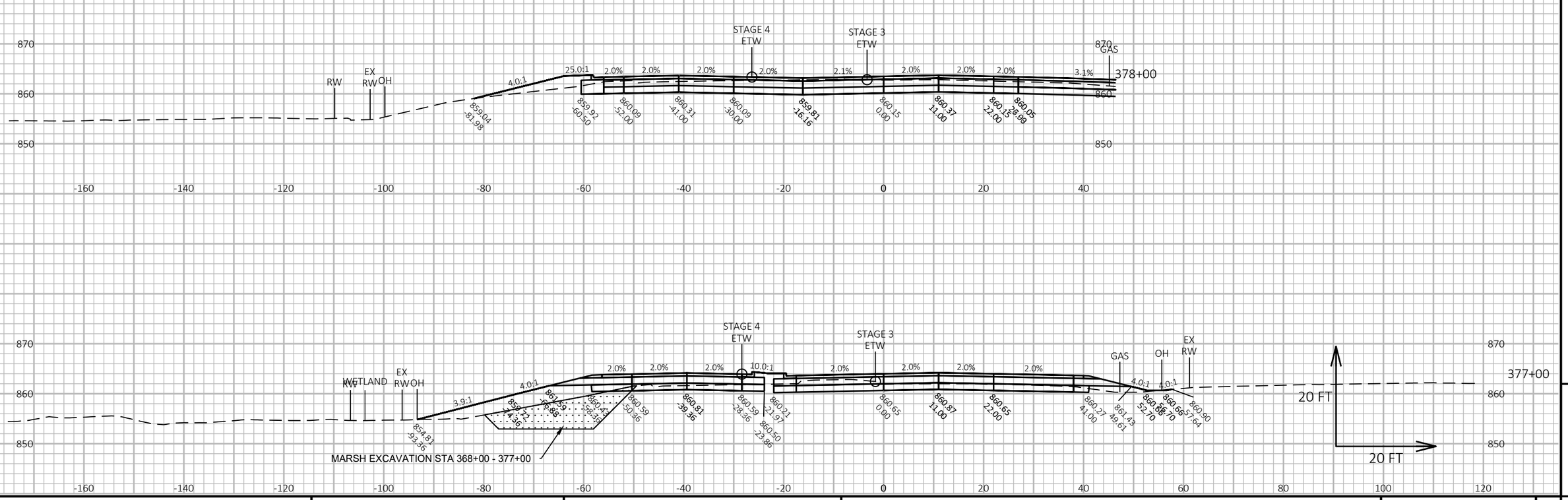
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 851 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (42)

PLOT DATE : 1/30/2023 9:17 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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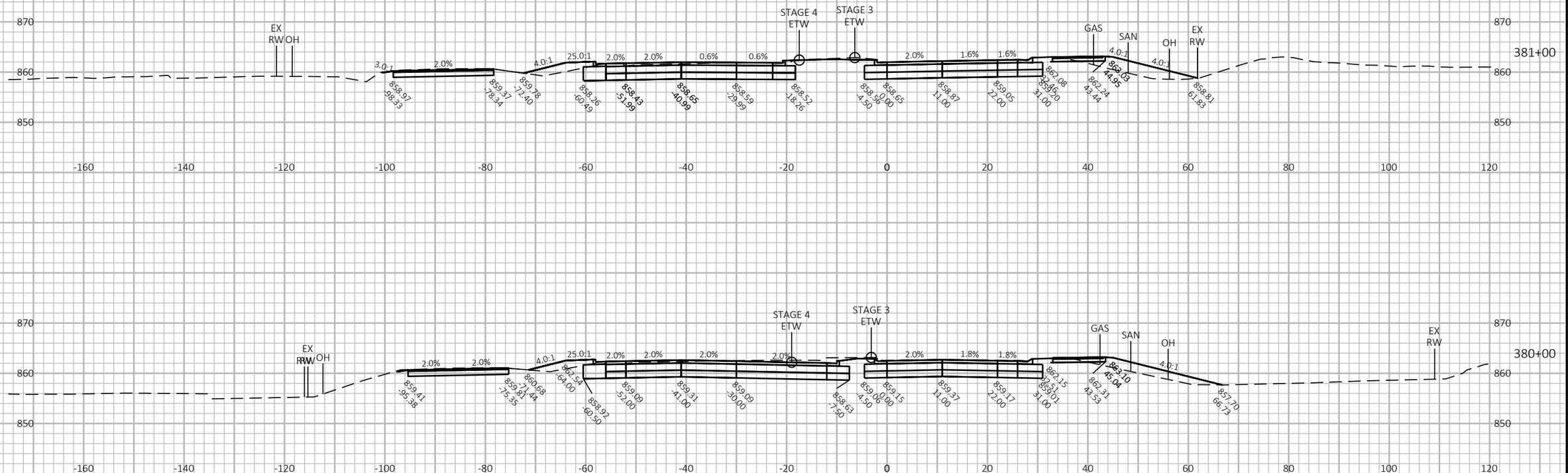
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 852	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (43)

PLOT DATE : 1/30/2023 9:17 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 853	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (44)

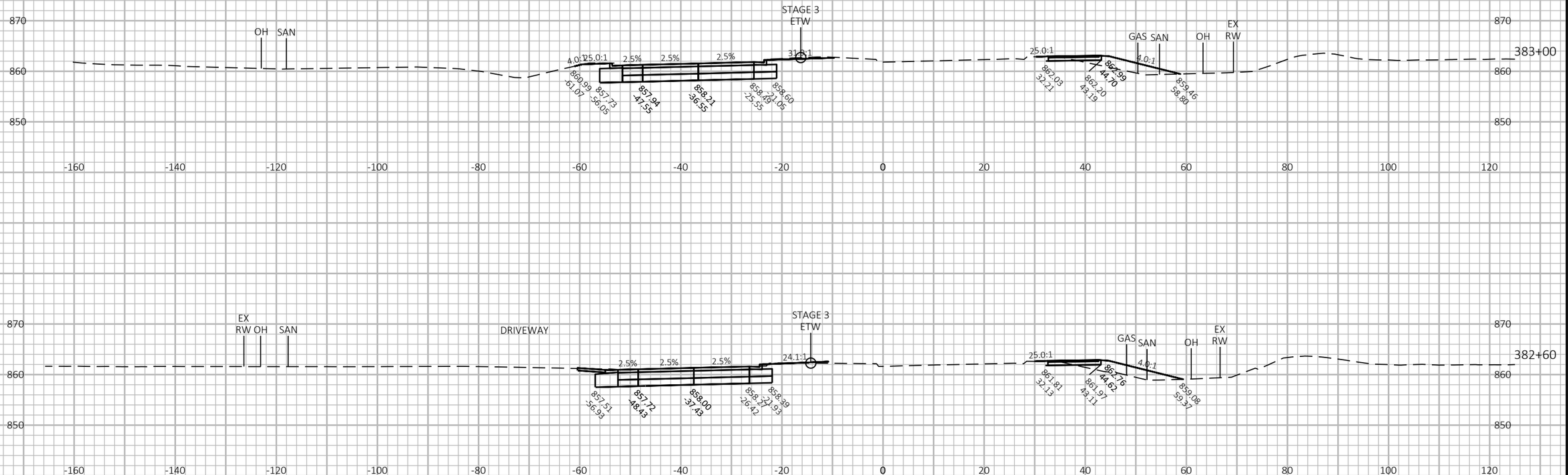
PLOT DATE : 1/30/2023 9:17 PM

PLOT BY : KL ENGINEERING

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

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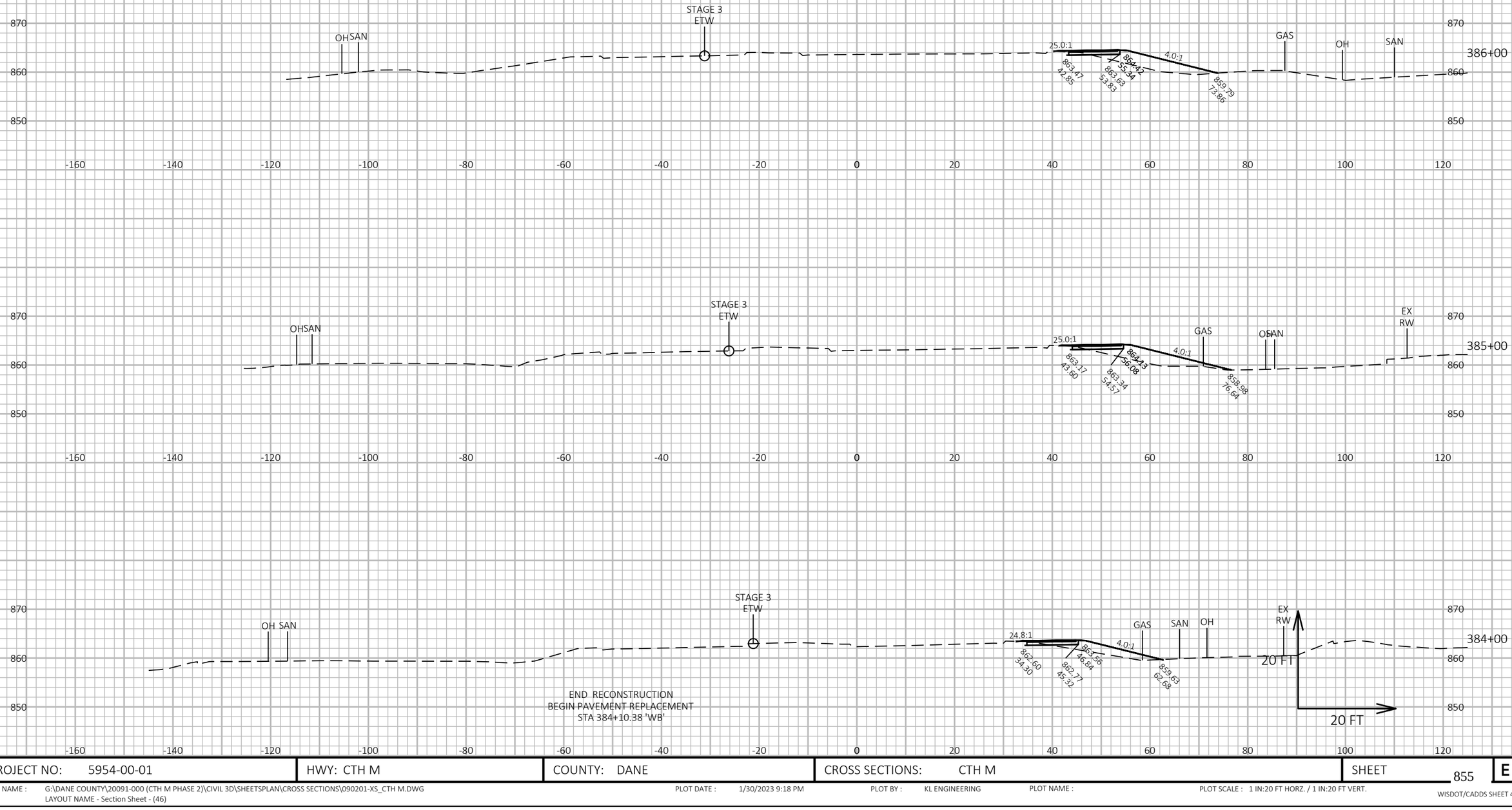
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 854	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (45)

PLOT DATE : 1/30/2023 9:18 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH M	SHEET 855	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH M.DWG
LAYOUT NAME - Section Sheet - (46)

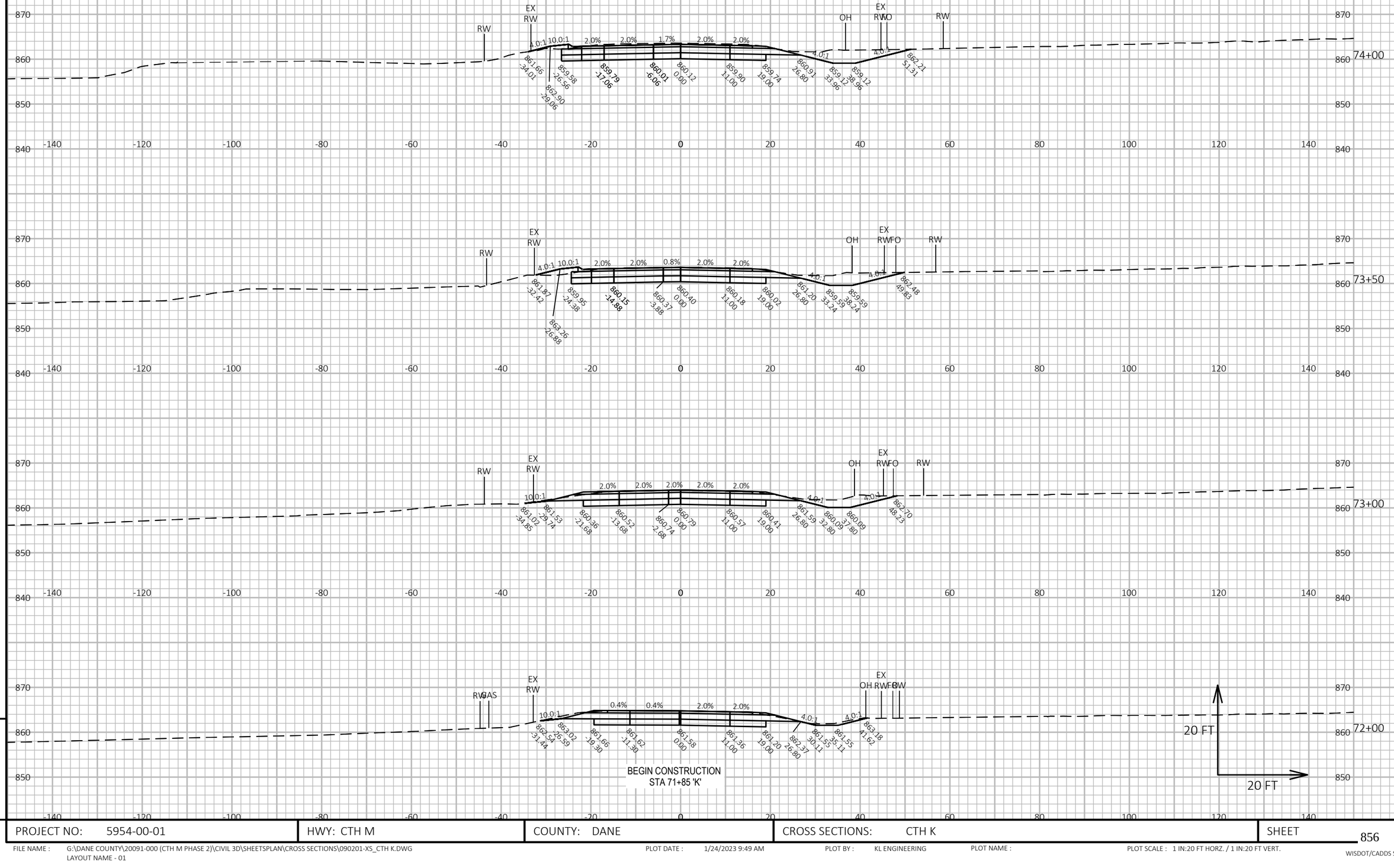
PLOT DATE : 1/30/2023 9:18 PM

PLOT BY : KL ENGINEERING

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

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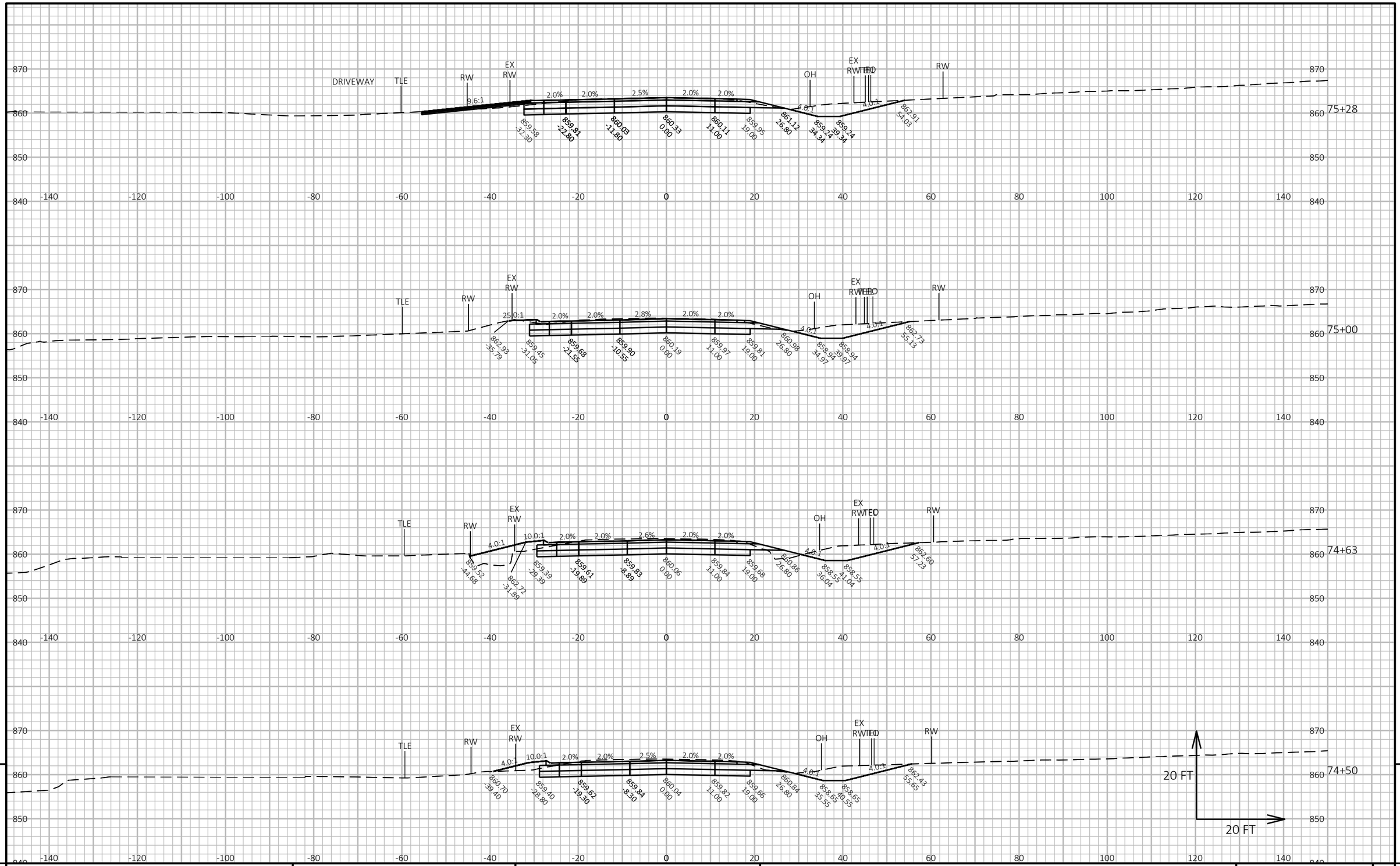
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH K	SHEET 856	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH K.DWG
LAYOUT NAME - 01

PLOT DATE : 1/24/2023 9:49 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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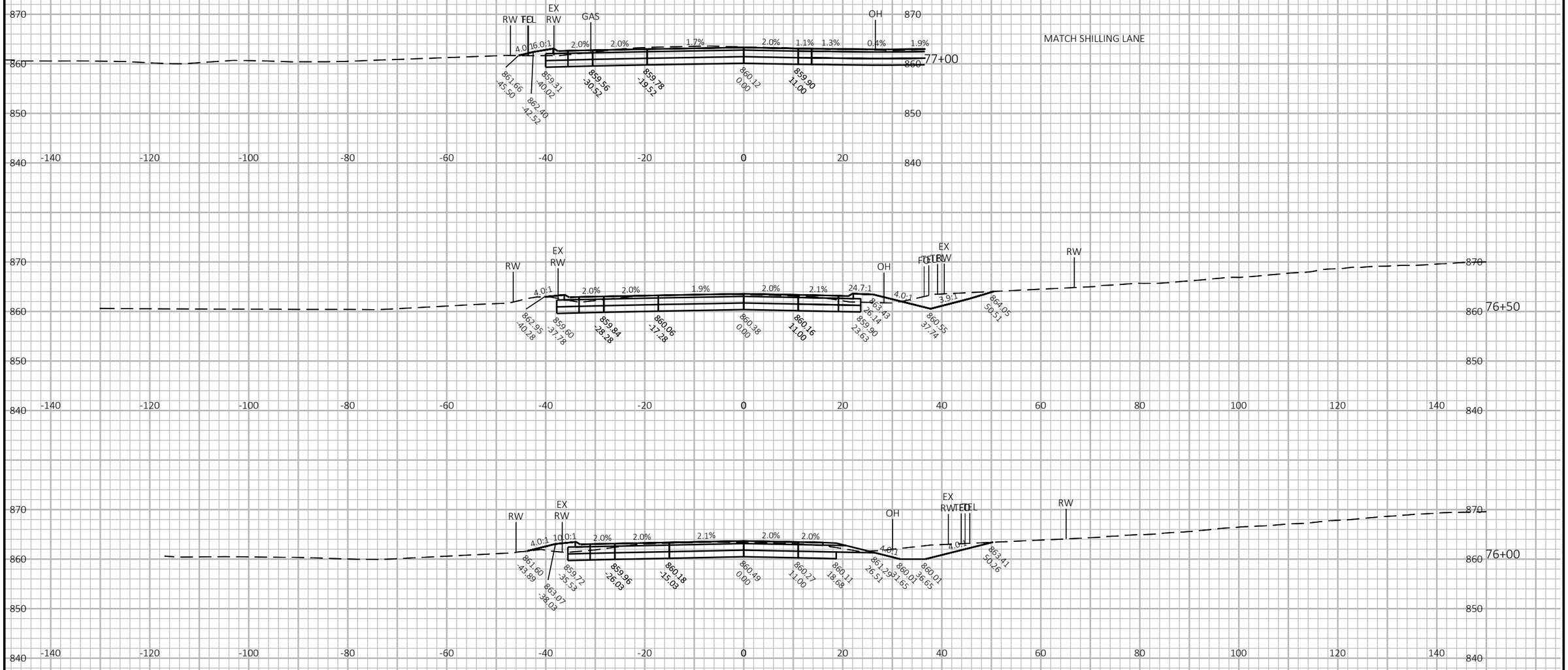
9

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH K	SHEET 857	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH K.DWG
LAYOUT NAME - 02

PLOT DATE : 1/24/2023 9:49 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH K	SHEET 858	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH K.DWG
LAYOUT NAME - 03

PLOT DATE : 1/24/2023 9:49 AM

PLOT BY : KL ENGINEERING

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

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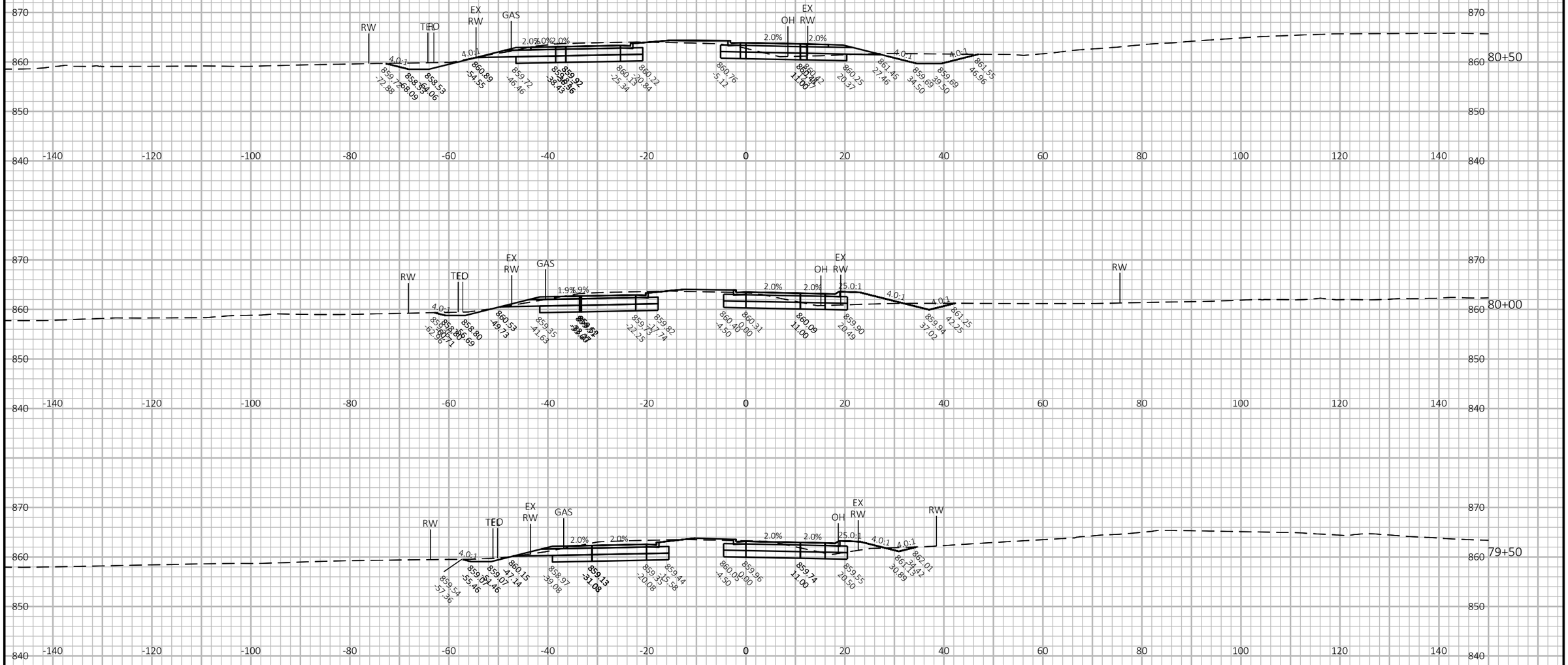
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH K	SHEET 859	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH K.DWG
LAYOUT NAME - 04

PLOT DATE : 1/24/2023 9:50 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



9

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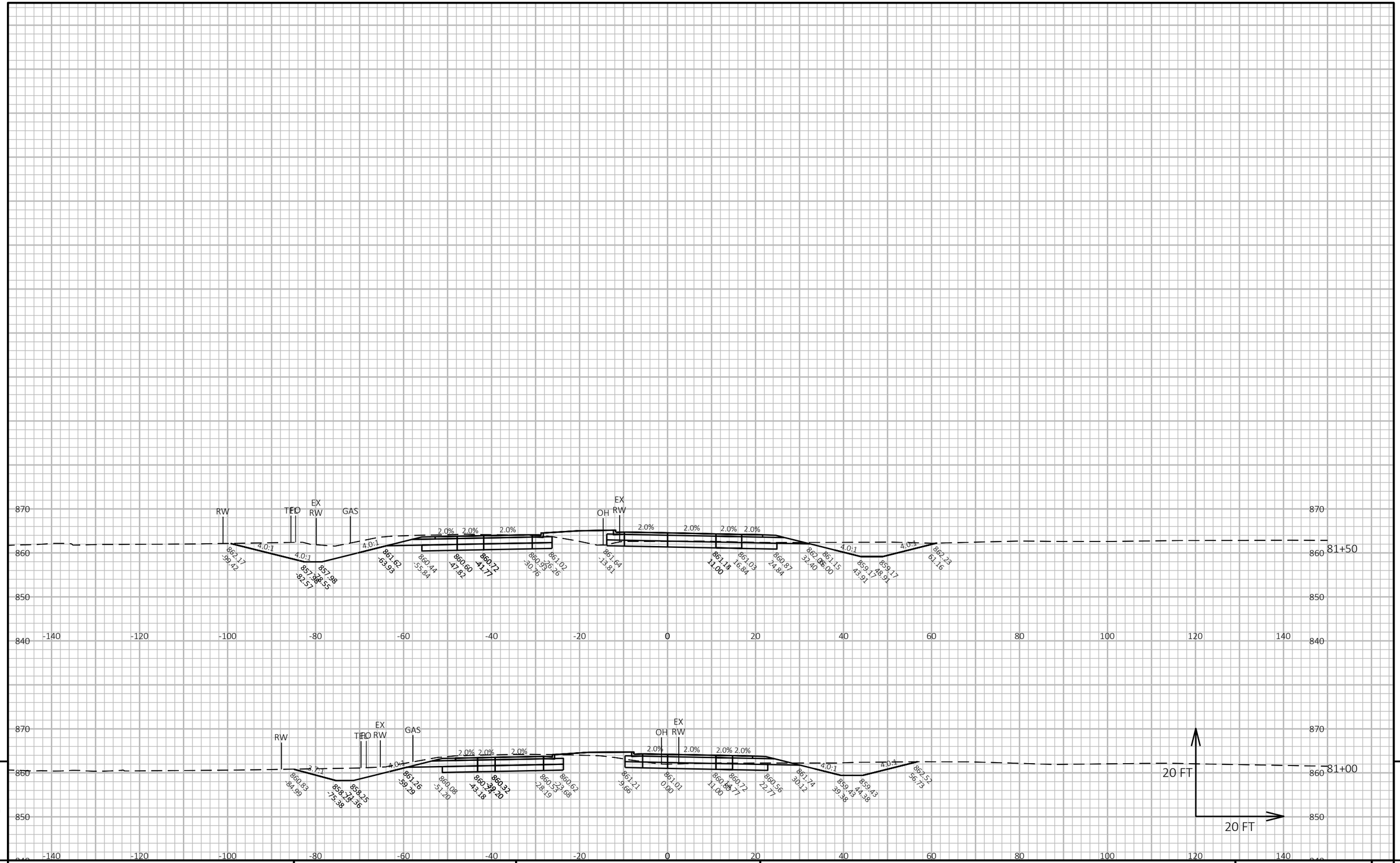
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH K	SHEET 860	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH K.DWG
LAYOUT NAME - 05

PLOT DATE : 1/24/2023 9:50 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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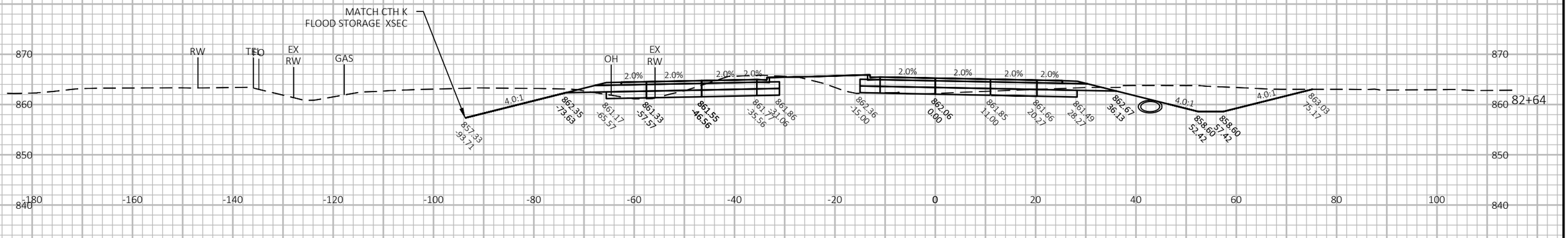
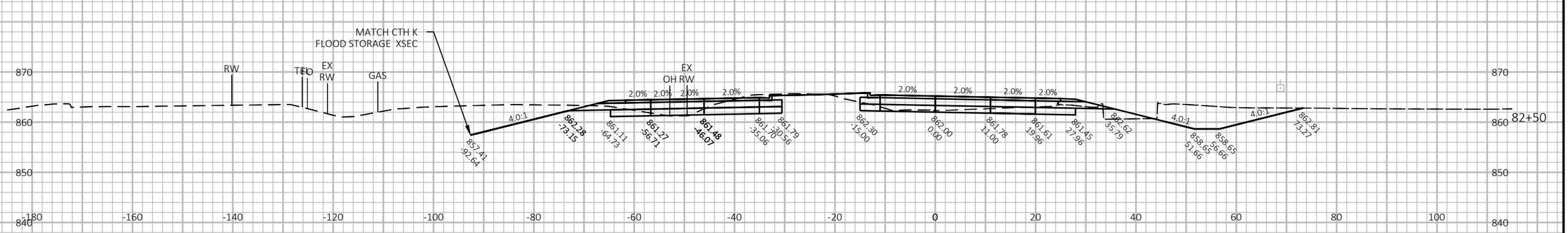
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH K	SHEET 861	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH K.DWG
LAYOUT NAME - 06

PLOT DATE : 1/24/2023 9:50 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49





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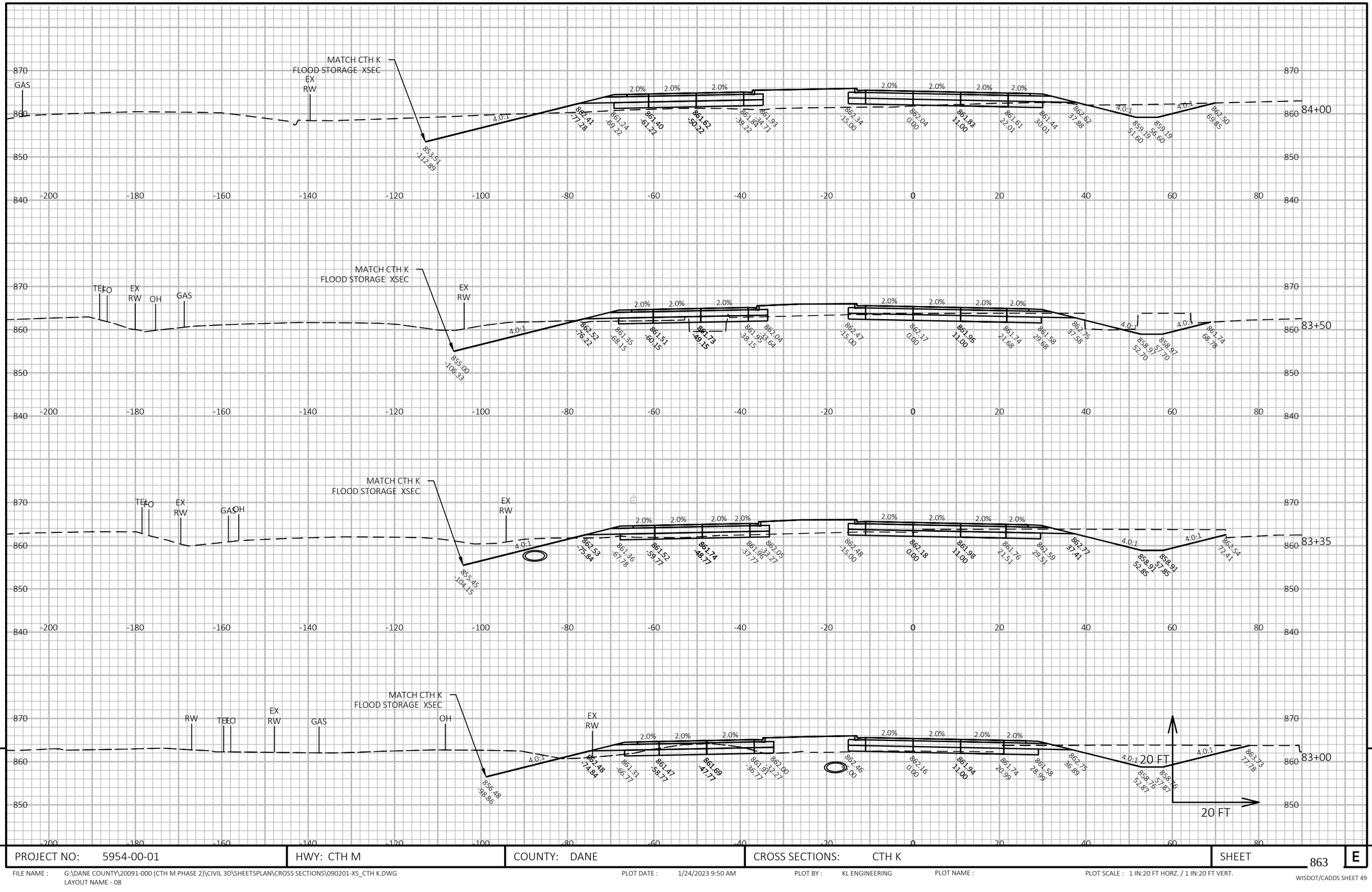
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH K	SHEET 862	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH K.DWG
LAYOUT NAME - 07

PLOT DATE : 1/24/2023 9:50 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



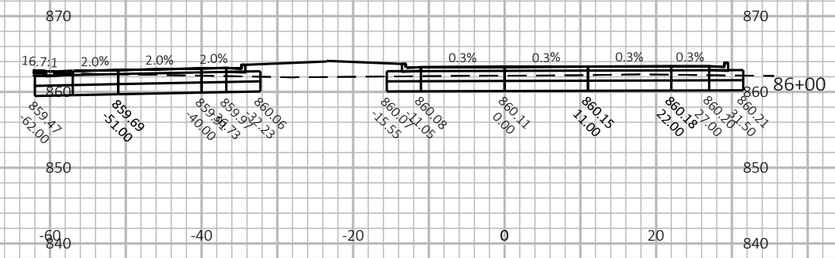
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH K	SHEET 863 E

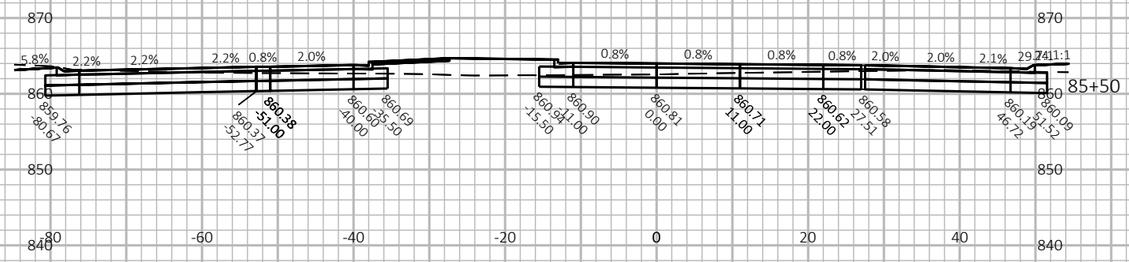
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH K.DWG
LAYOUT NAME - 08

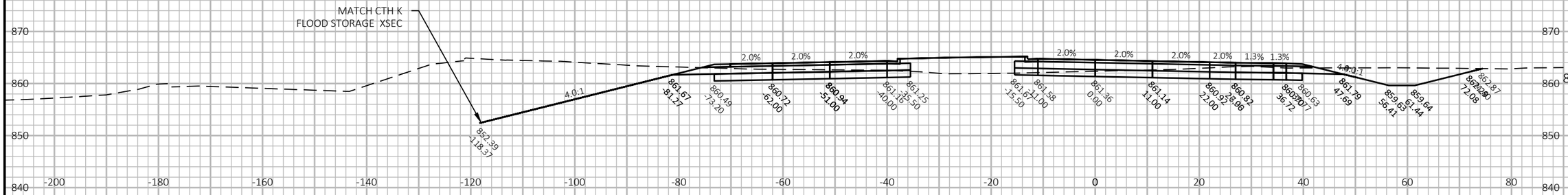
PLOT DATE : 1/24/2023 9:50 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

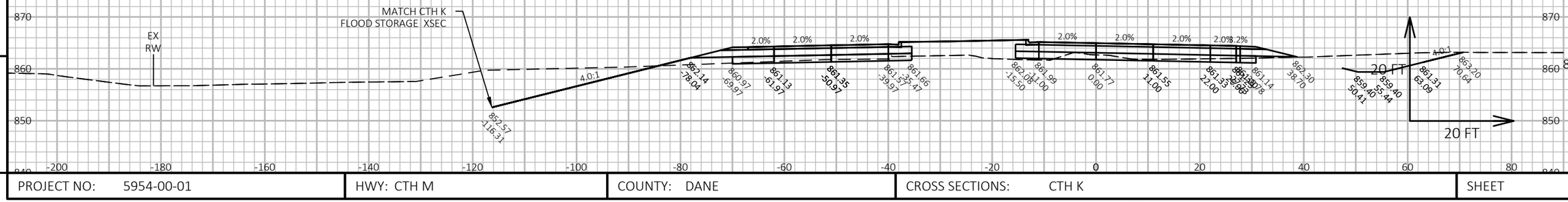
WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 86+26.99 'K'









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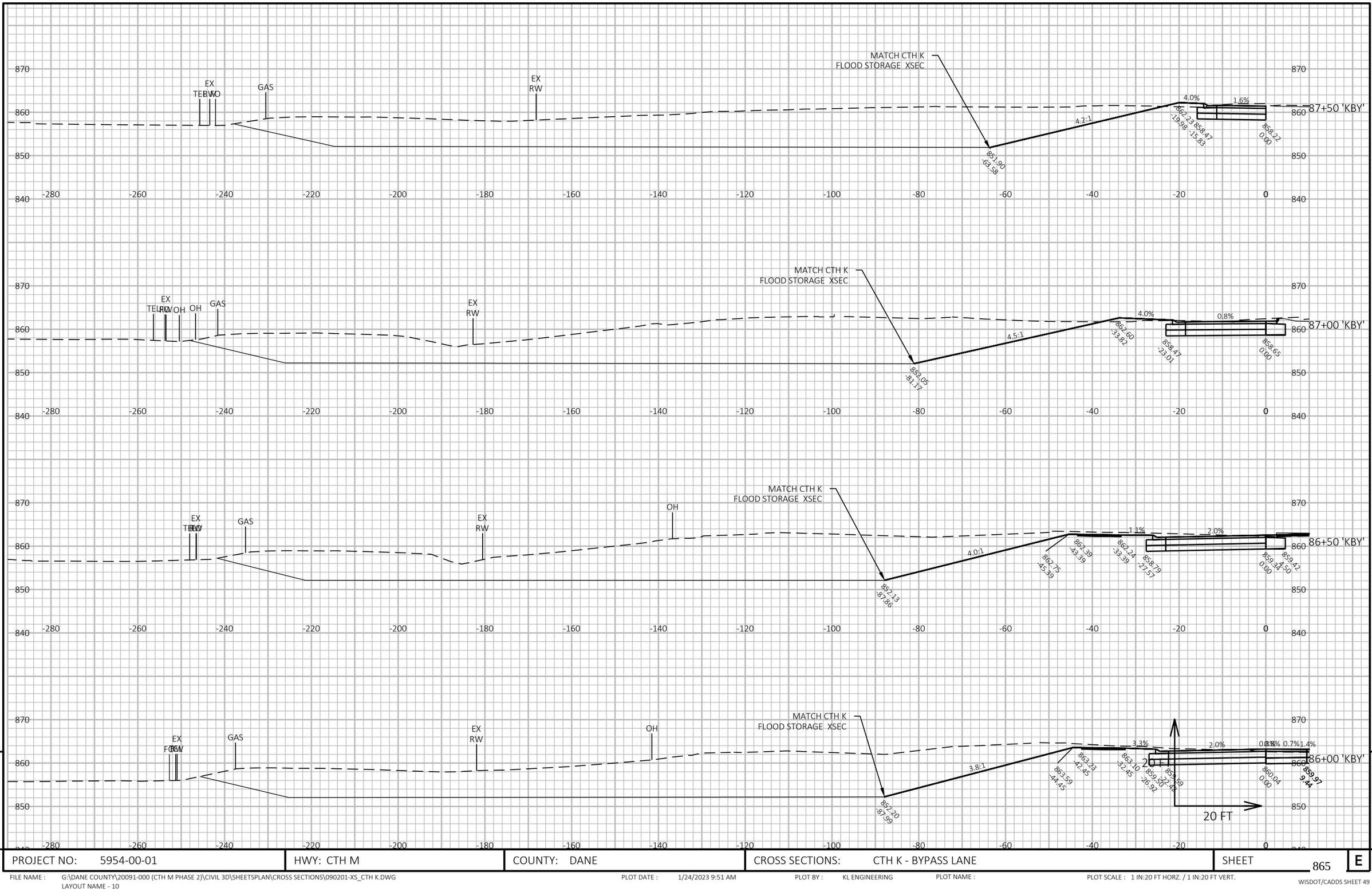
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH K	SHEET 864	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH K.DWG
LAYOUT NAME - 09

PLOT DATE : 1/24/2023 9:50 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

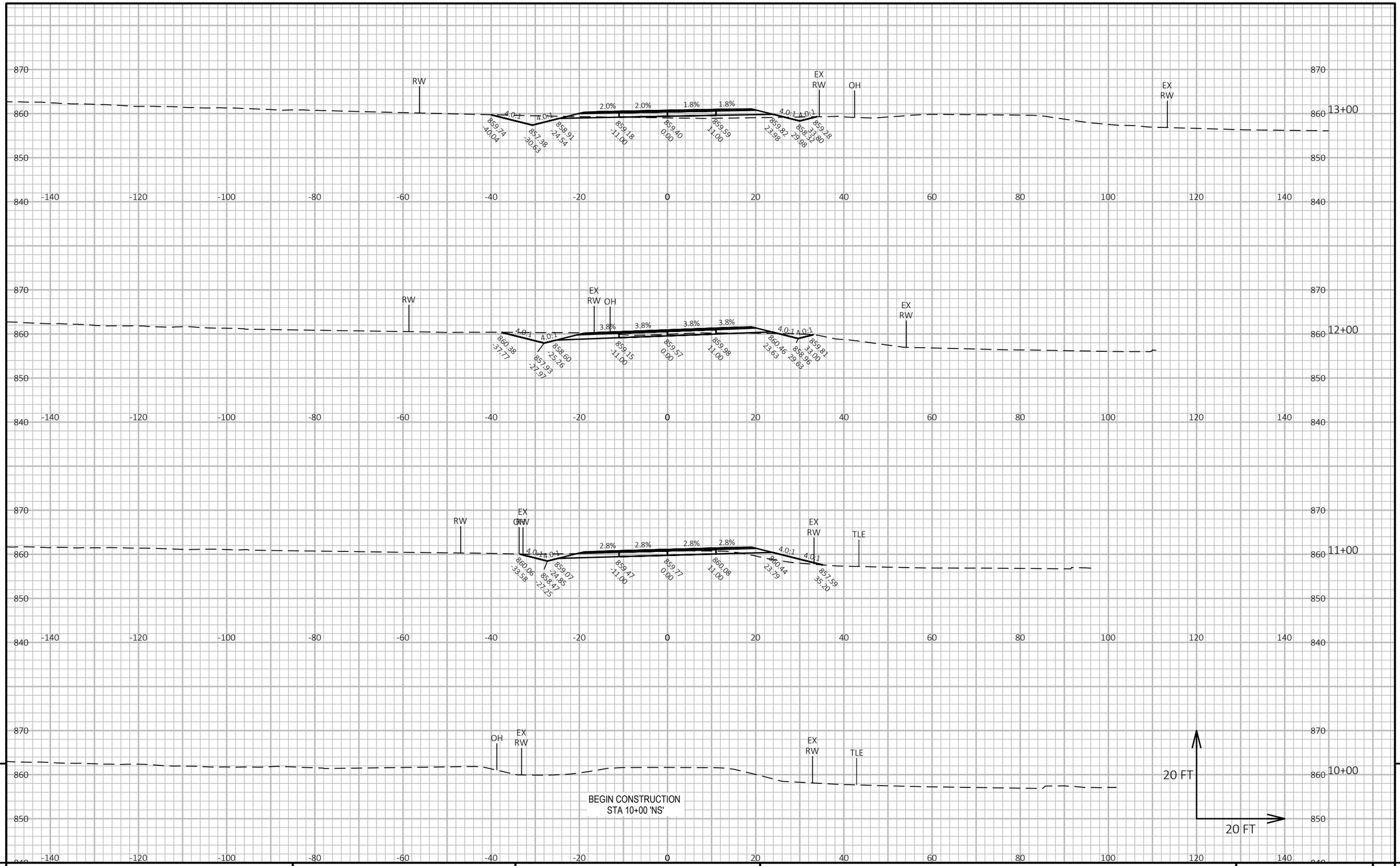


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH K - BYPASS LANE	SHEET 865 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_CTH K.DWG
LAYOUT NAME - 10

PLOT DATE : 1/24/2023 9:51 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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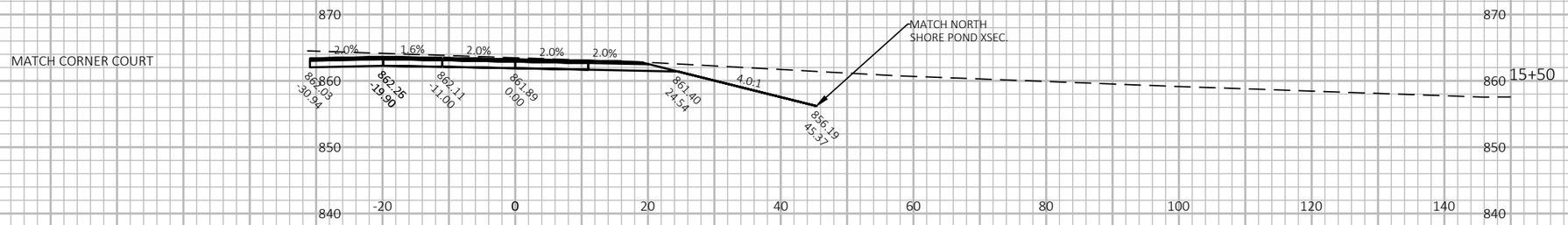
9

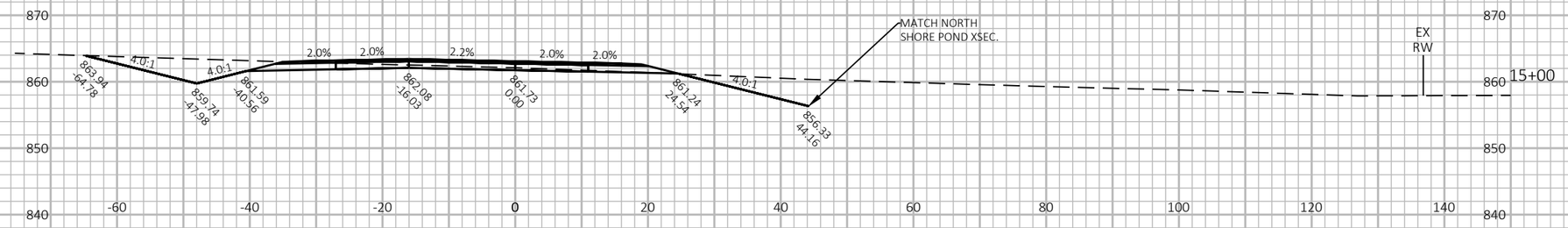
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: NORTH SHORE BAY DRIVE	SHEET 866	E

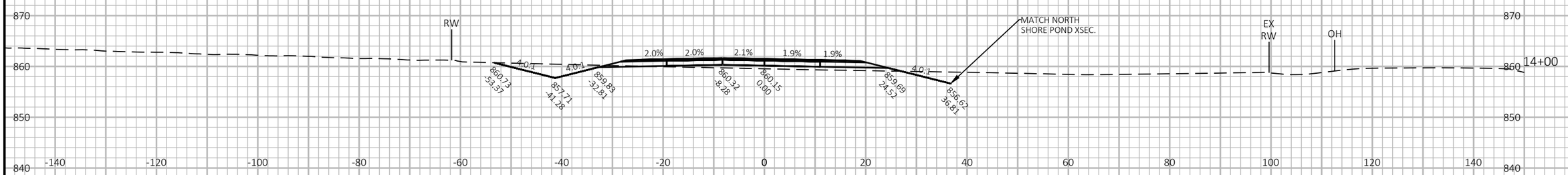
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_N SHORE BAY.DWG
LAYOUT NAME - 01

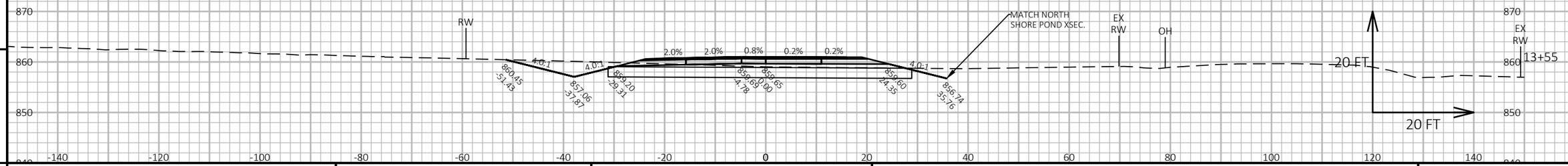
PLOT DATE : 9/19/2022 1:21 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49









9 9

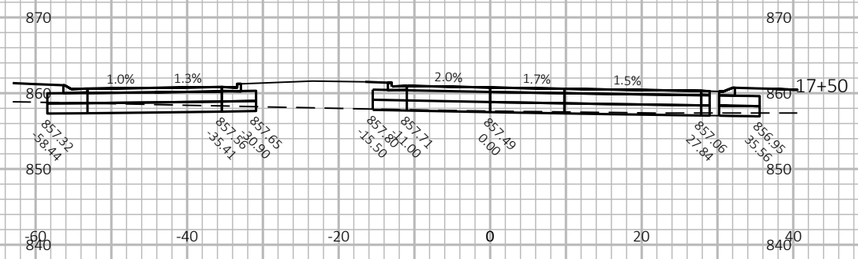
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: NORTH SHORE BAY DRIVE	SHEET 867	E

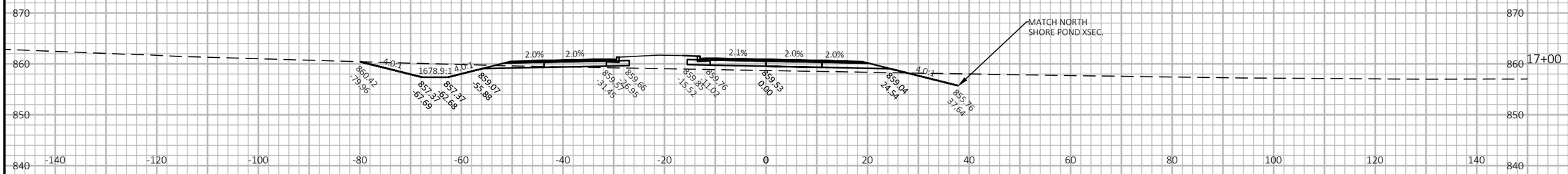
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_N SHORE BAY.DWG
LAYOUT NAME - 02

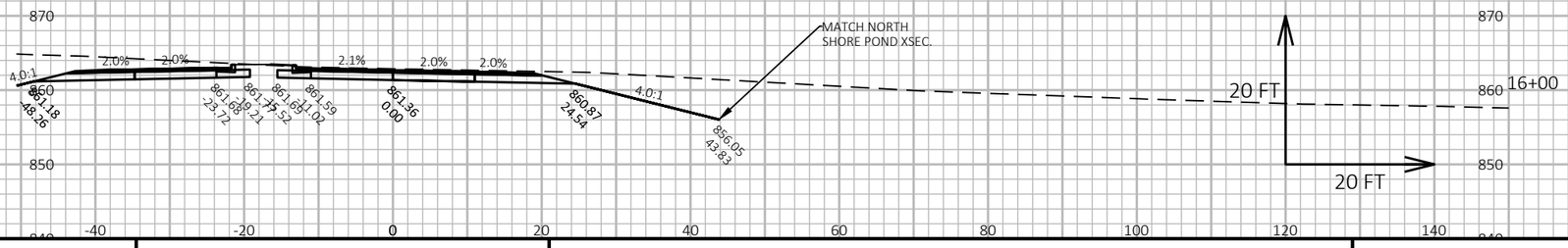
PLOT DATE : 9/19/2022 1:21 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 17+85 'NS'







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PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: NORTH SHORE BAY DRIVE	SHEET 868	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_N SHORE BAY.DWG
LAYOUT NAME - 03

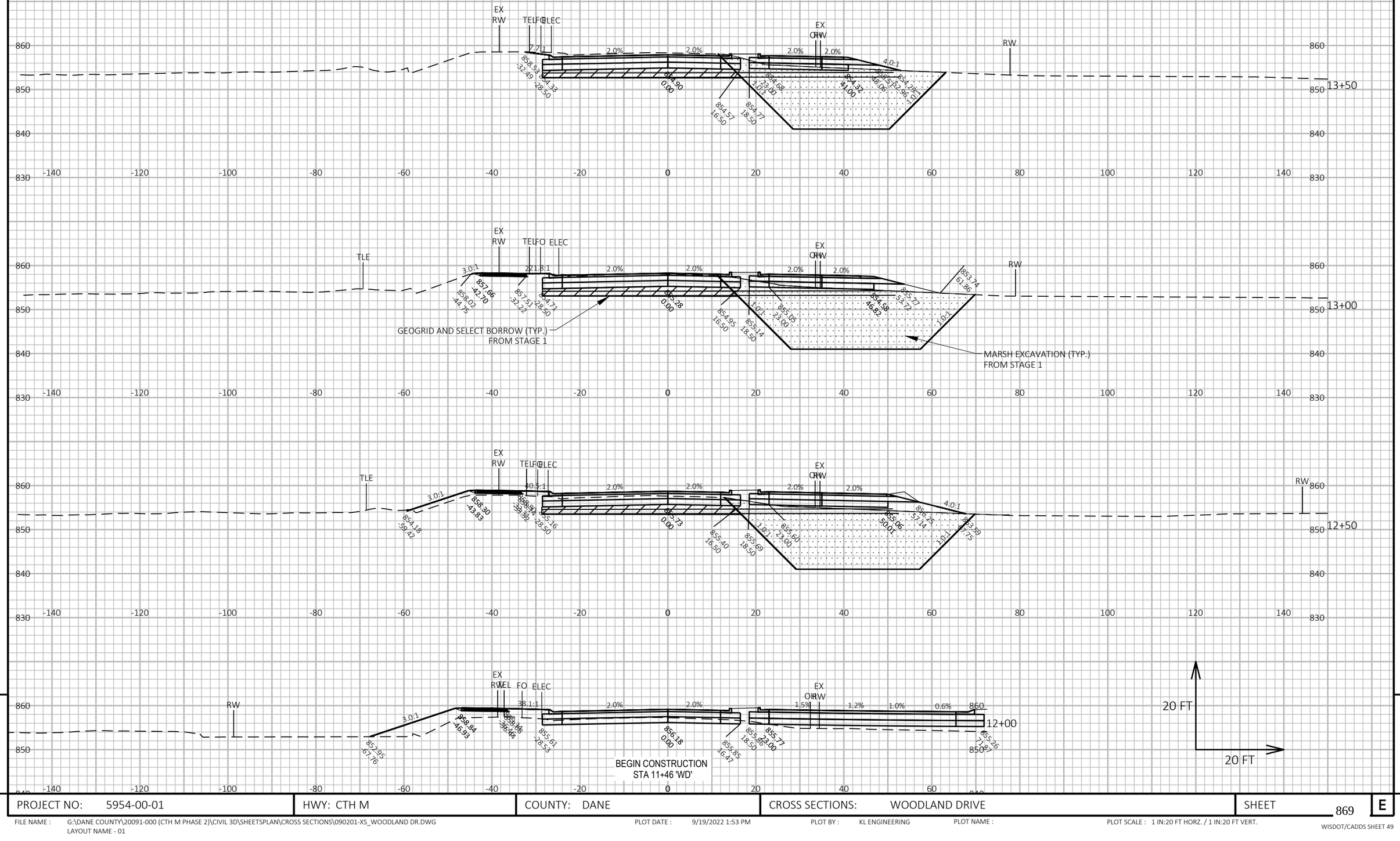
PLOT DATE : 9/19/2022 1:21 PM

PLOT BY : KL ENGINEERING

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

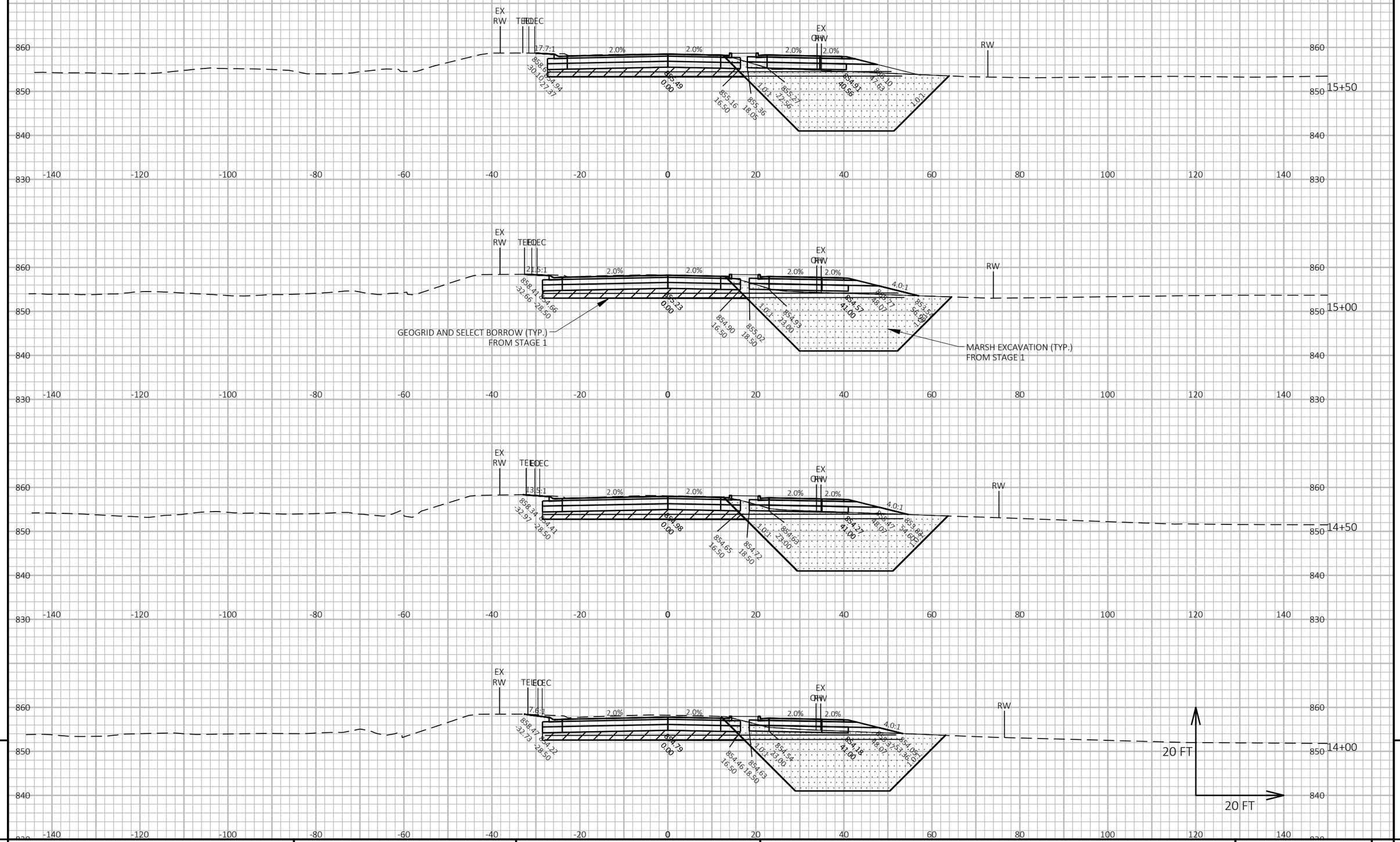


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: WOODLAND DRIVE	SHEET 869	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_WOODLAND DR.DWG
LAYOUT NAME - 01

PLOT DATE : 9/19/2022 1:53 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: WOODLAND DRIVE	SHEET 870	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_WOODLAND DR.DWG
LAYOUT NAME - 02

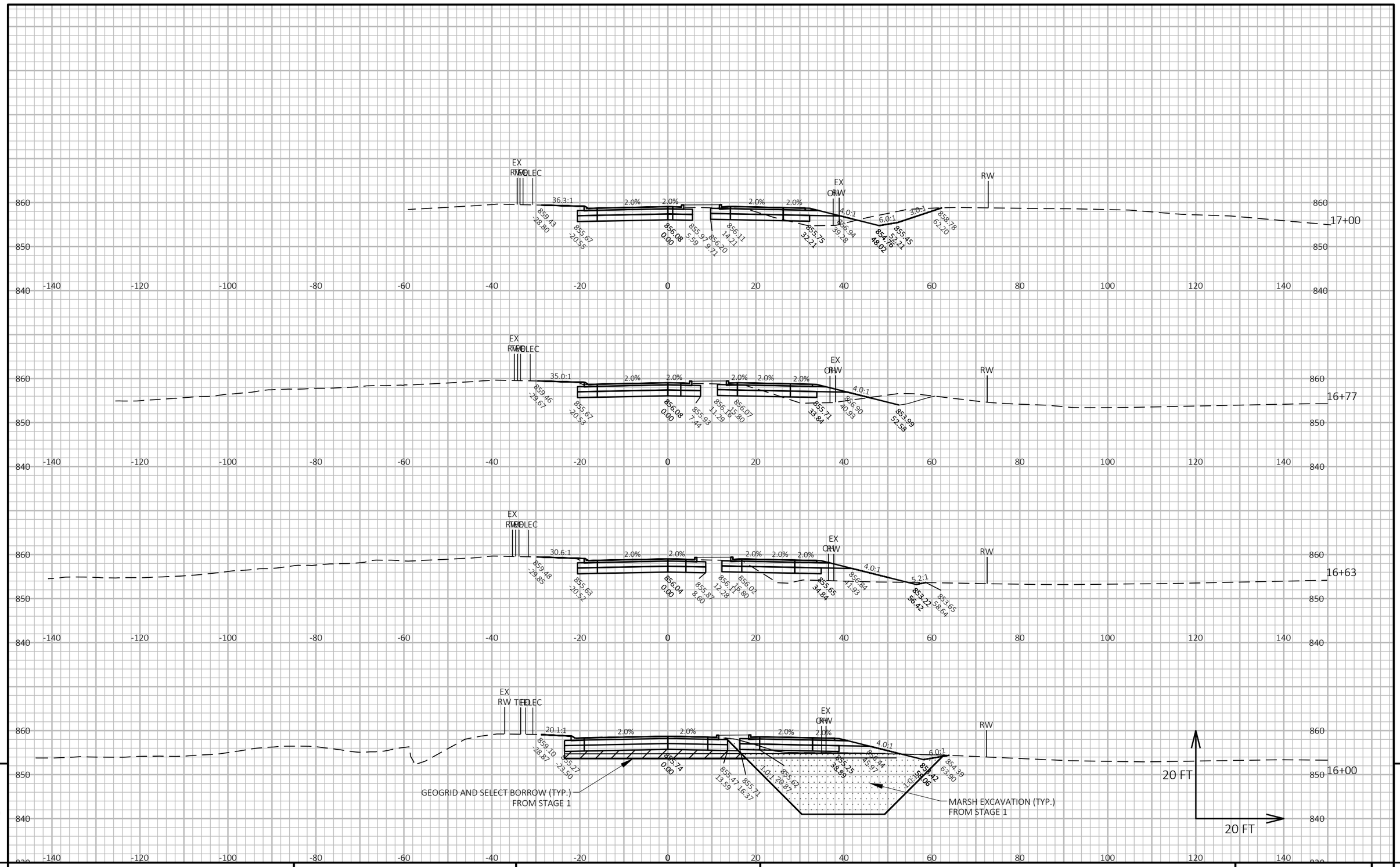
PLOT DATE : 9/19/2022 1:54 PM

PLOT BY : KL ENGINEERING

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



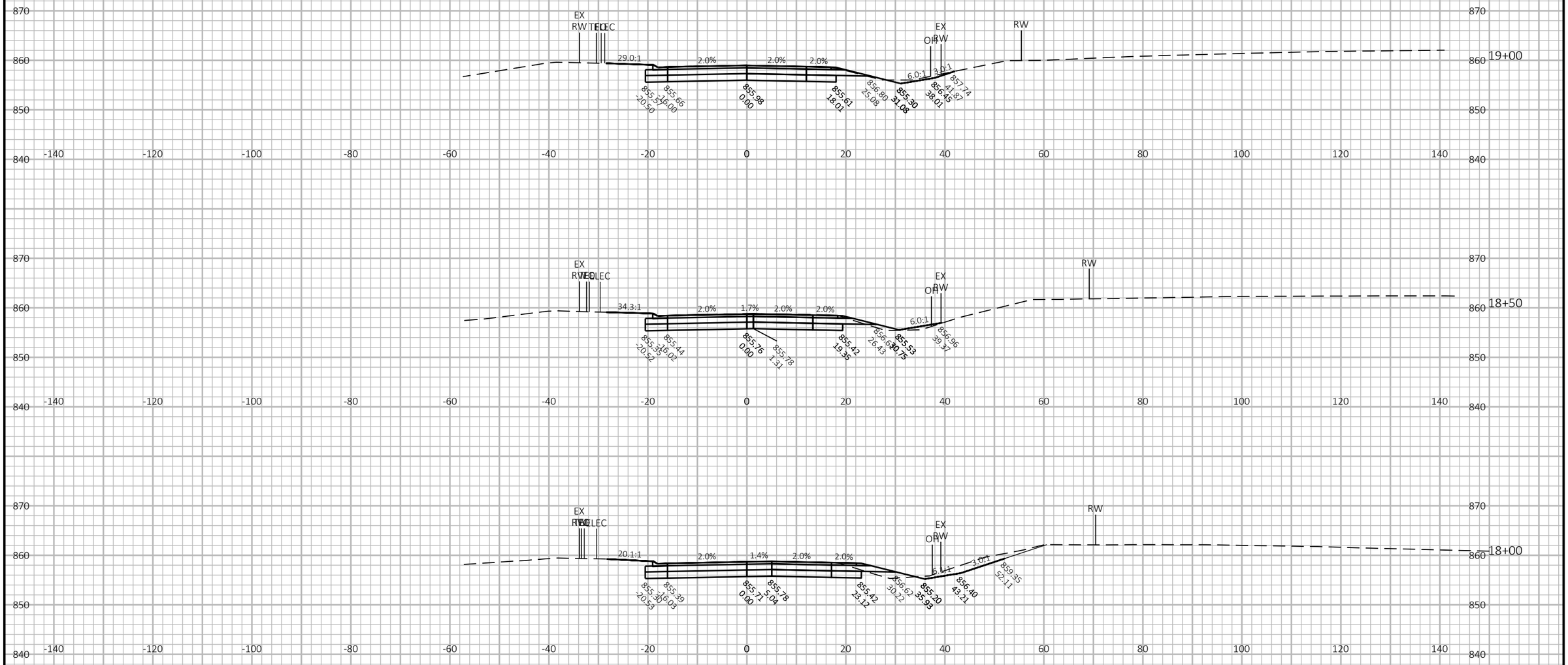
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: WOODLAND DRIVE	SHEET 871	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_WOODLAND DR.DWG
LAYOUT NAME - 03

PLOT DATE : 9/19/2022 1:54 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 19+09.99 'WD'



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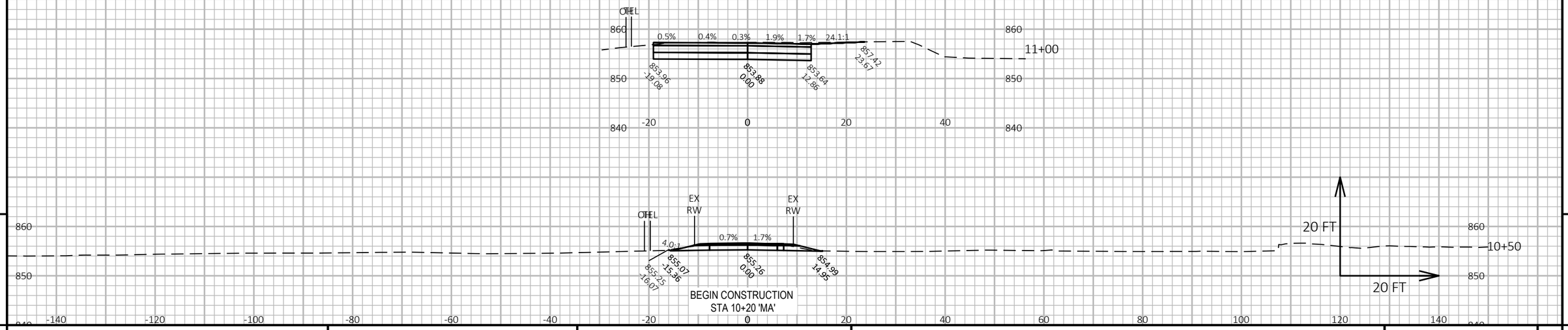
9

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: WOODLAND DRIVE	SHEET 872	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_WOODLAND DR.DWG
LAYOUT NAME - 04

PLOT DATE : 9/19/2022 1:54 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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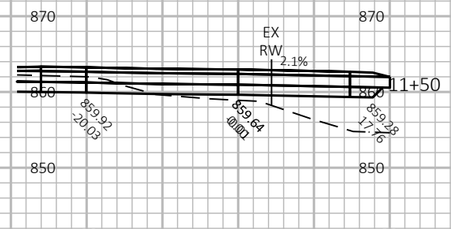
9

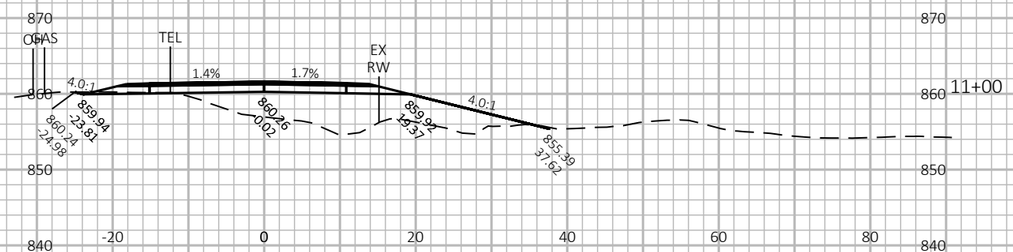
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: MANSFIELD ROAD	SHEET 873	E

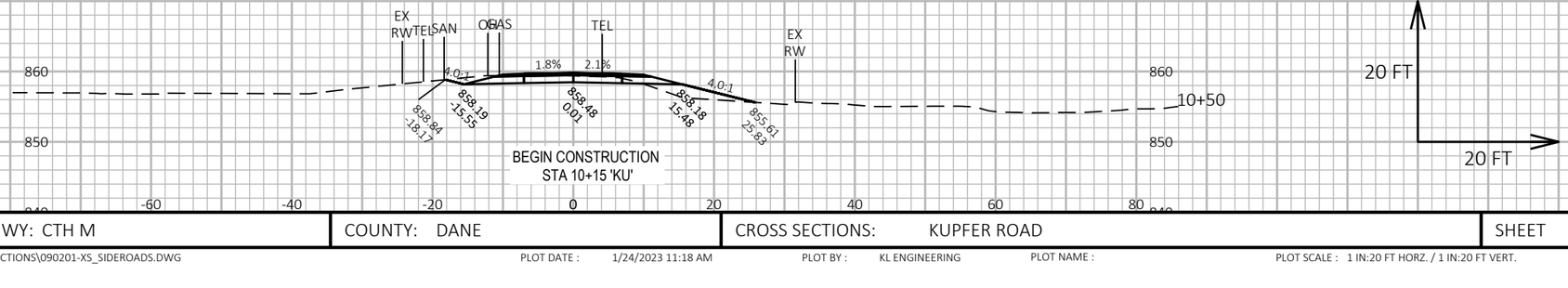
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Mansfield

PLOT DATE : 1/24/2023 11:18 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







9

9

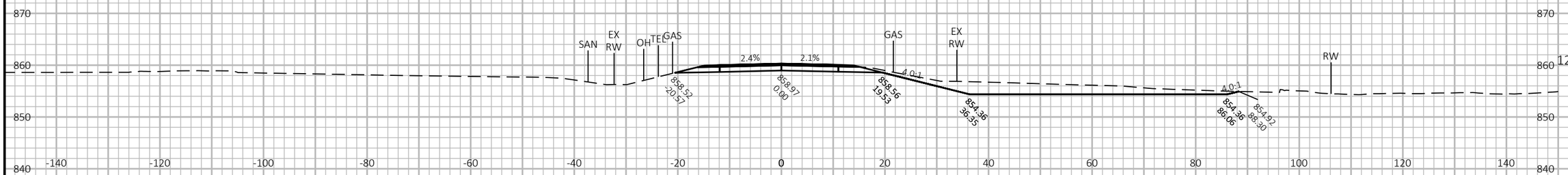
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: KUPFER ROAD	SHEET 874	E

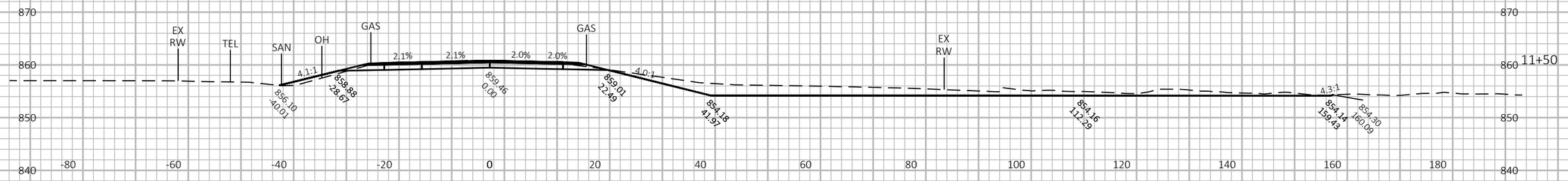
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Kupfer

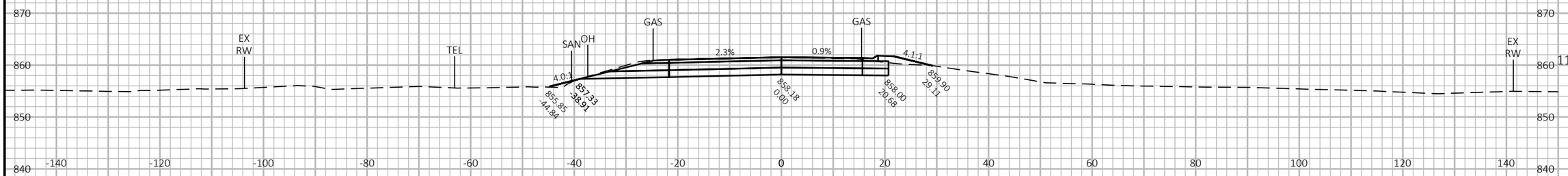
PLOT DATE : 1/24/2023 11:18 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

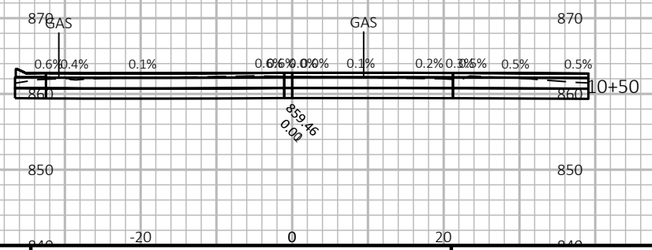
WISDOT/CADDS SHEET 49

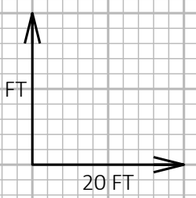
END CONSTRUCTION
STA 12+25.11 'ML'











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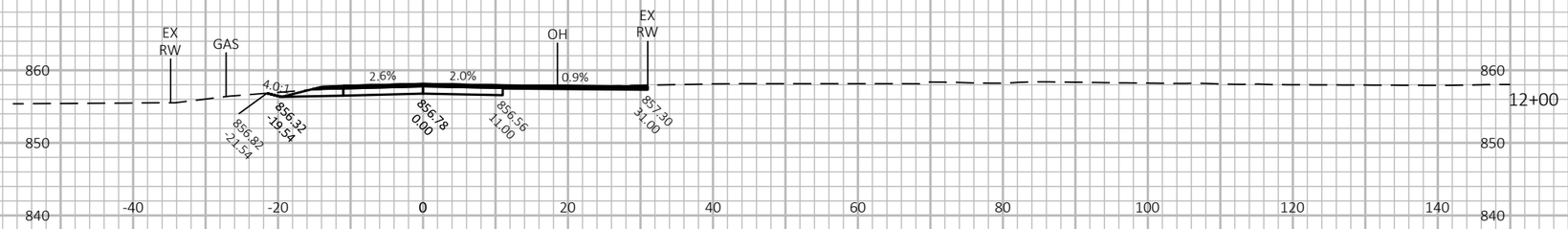
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: MARY LAKE ROAD	SHEET 875	E

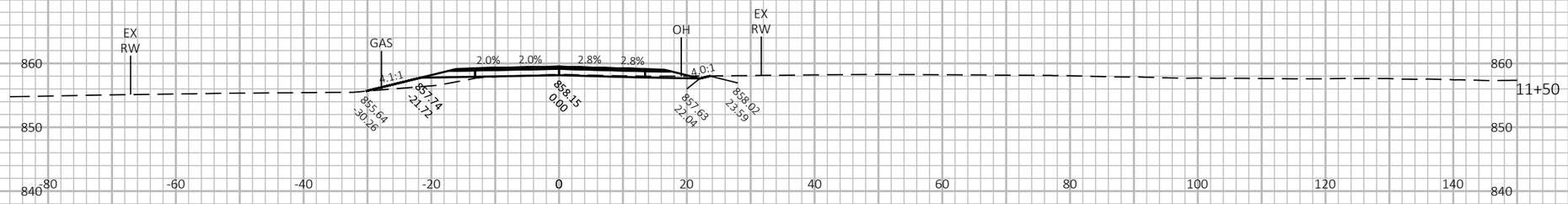
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Mary Lake

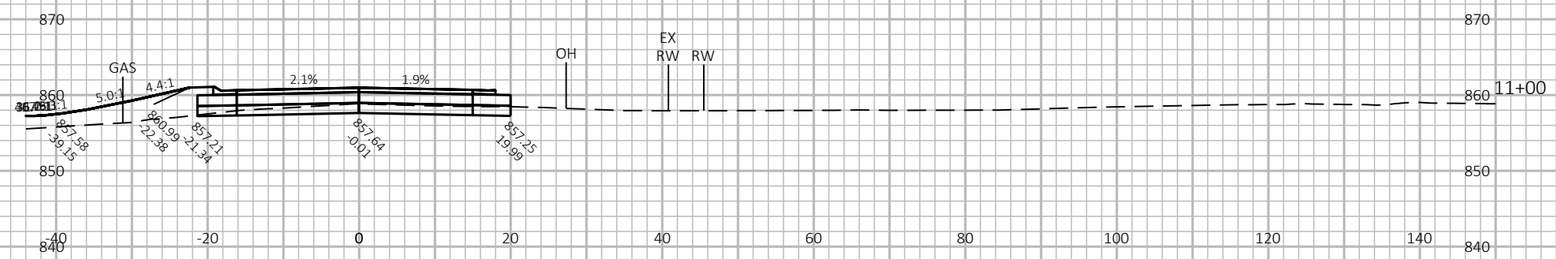
PLOT DATE : 1/24/2023 11:18 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

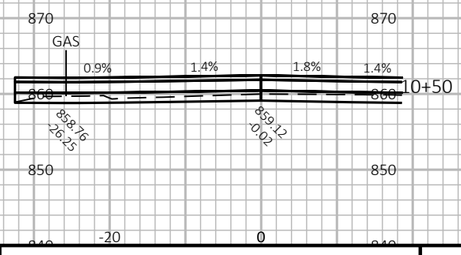
WISDOT/CADDS SHEET 49

BEGIN CONSTRUCTION
STA 12+15 'WW'









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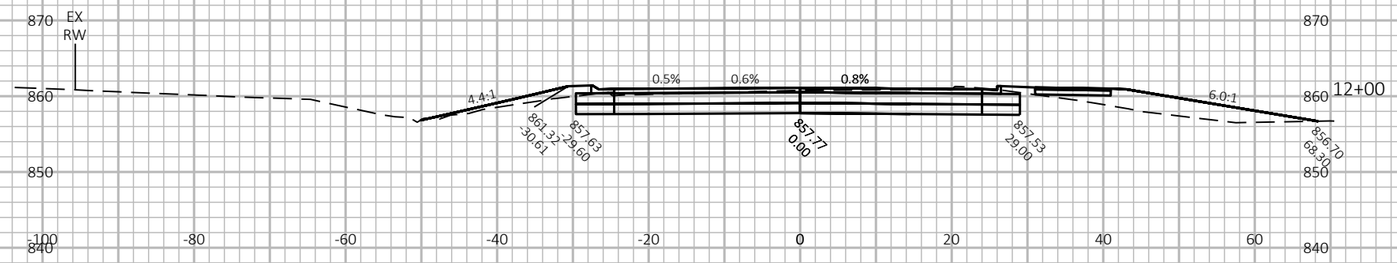
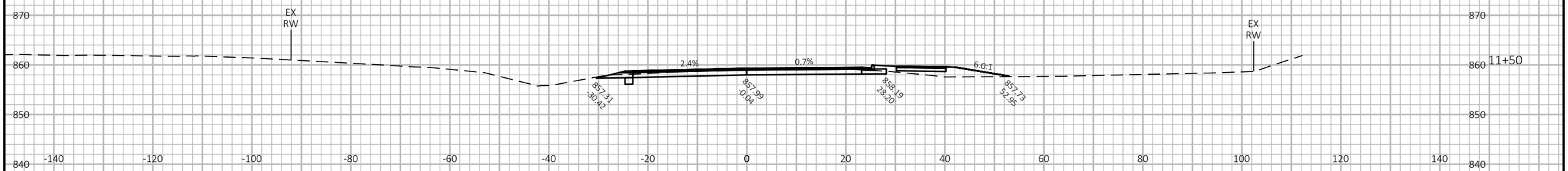
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: WILLOW ROAD (WEST)	SHEET 876	E

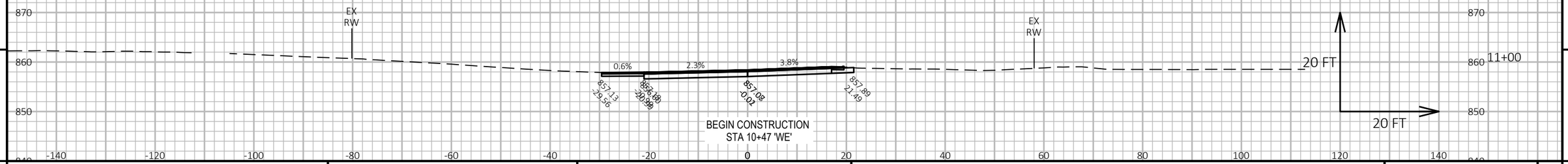
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Willow West

PLOT DATE : 1/24/2023 11:18 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49







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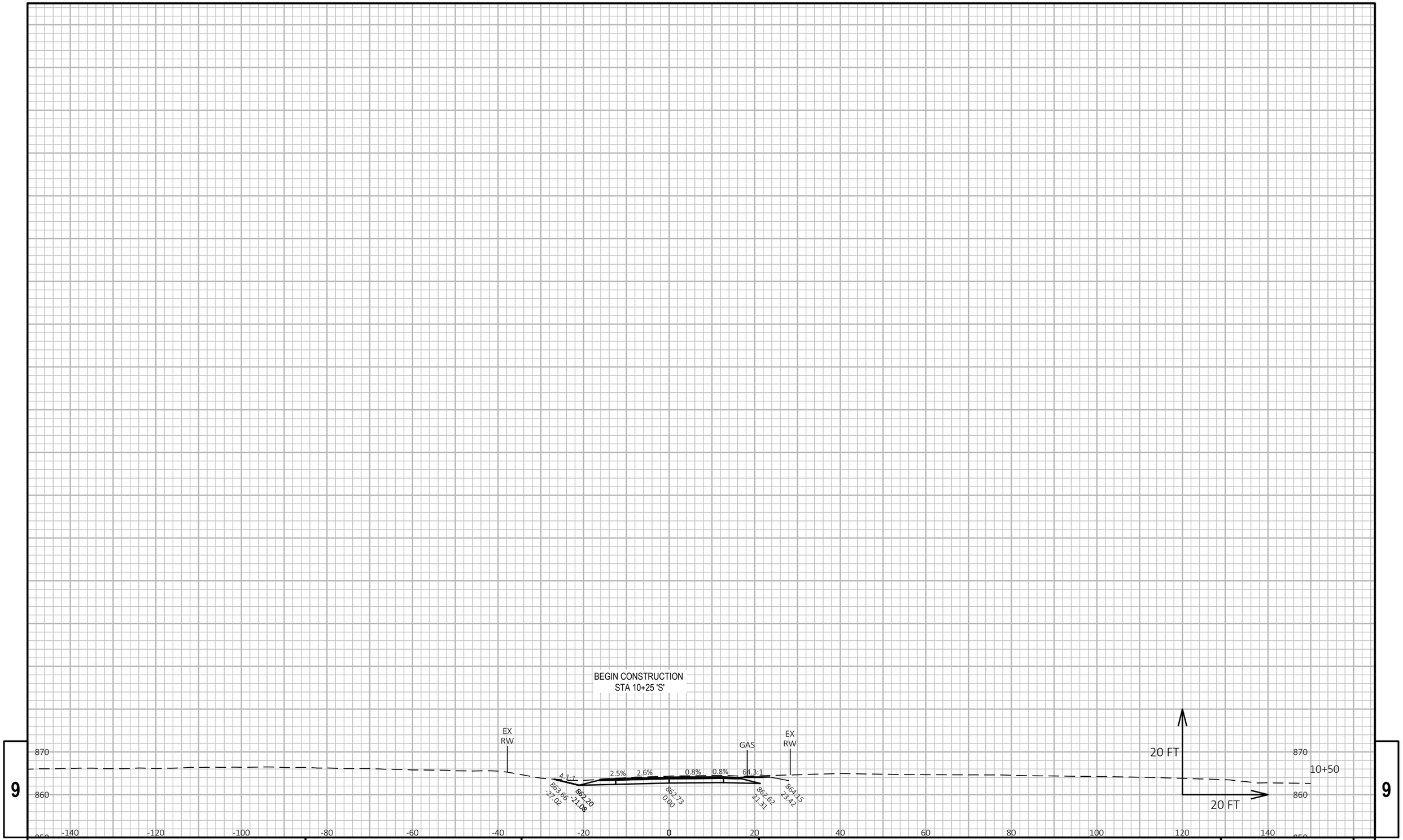
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: WILLOW ROAD (EAST)	SHEET 877	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Willow East

PLOT DATE : 1/24/2023 11:18 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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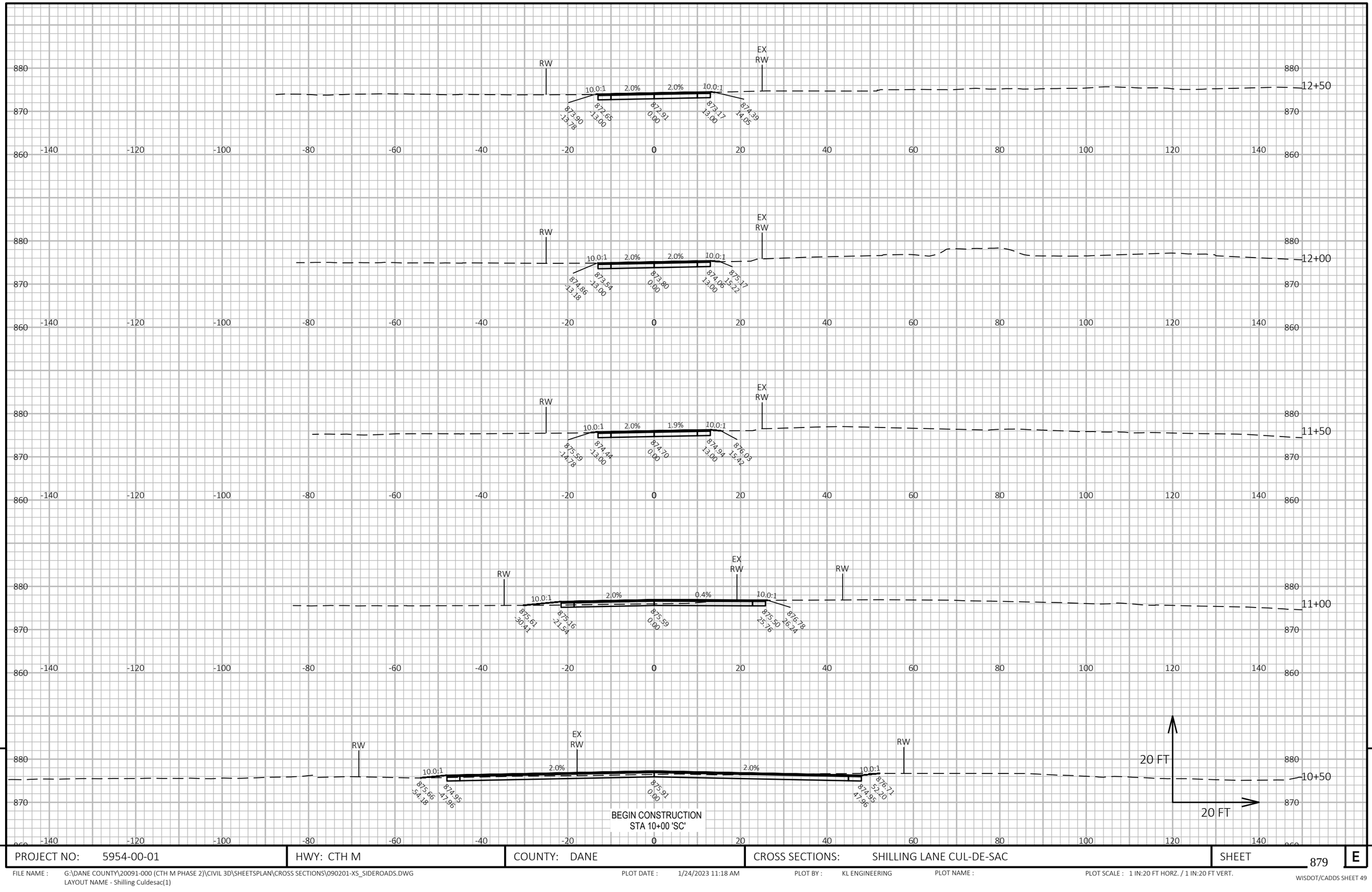
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: SHILLING LANE	SHEET 878	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Shilling Ln

PLOT DATE : 1/24/2023 11:18 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

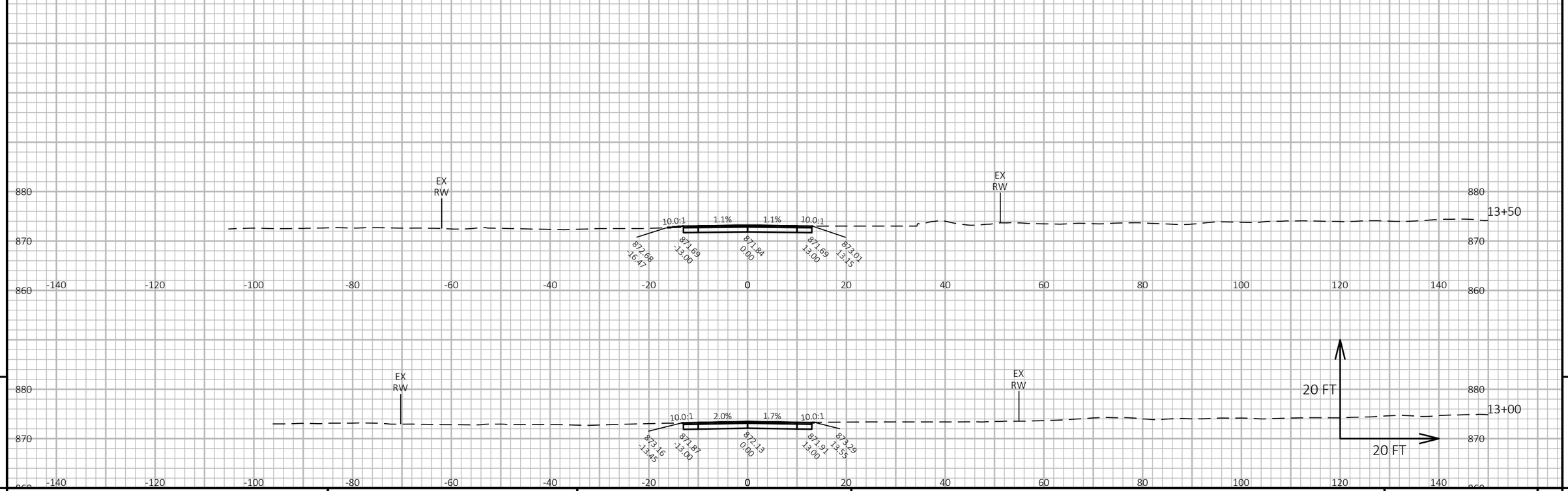


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: SHILLING LANE CUL-DE-SAC	SHEET 879 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Shilling Culdesac(1)

PLOT DATE : 1/24/2023 11:18 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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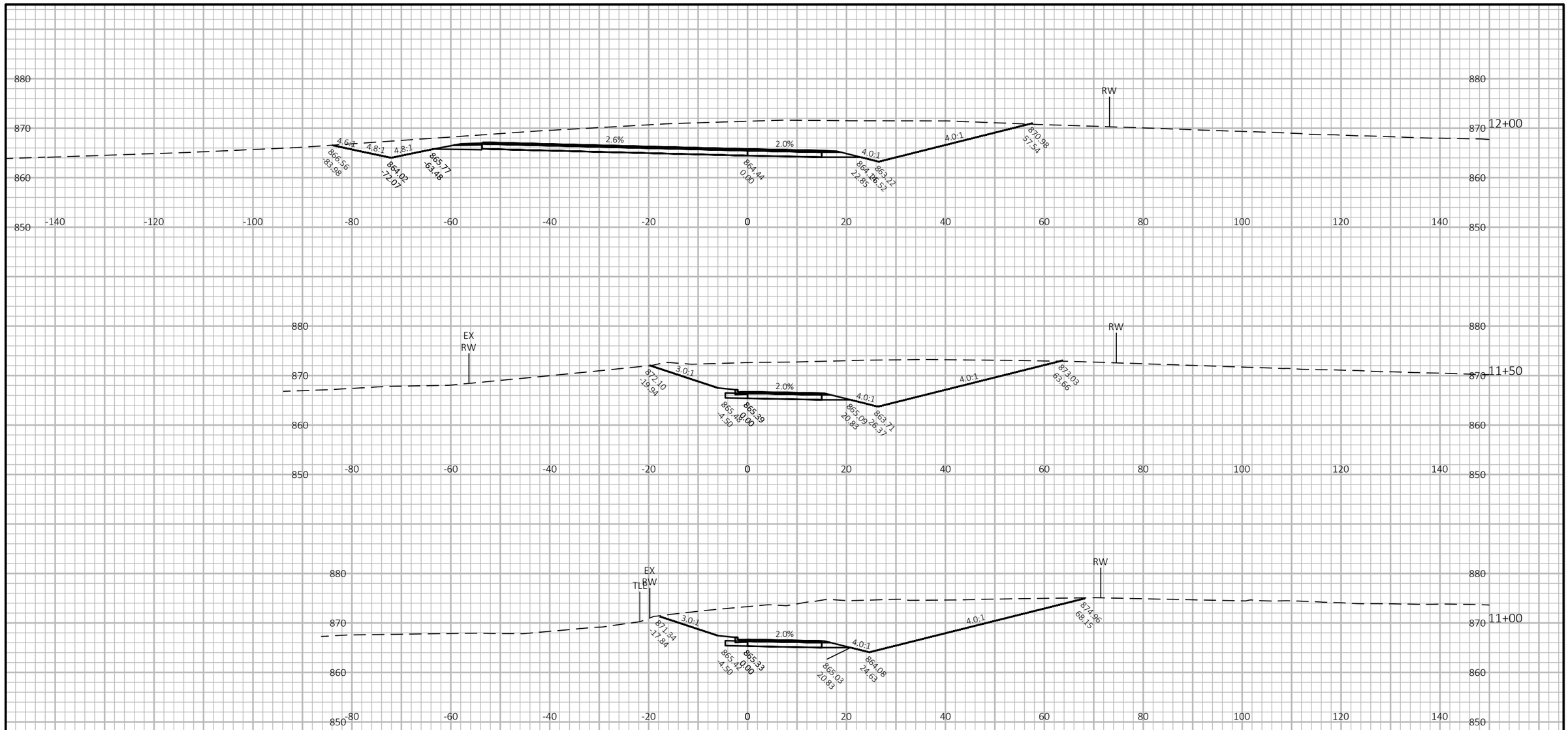
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: SHILLING LANE CUL-DE-SAC	SHEET 880	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Shilling Culdesac (2)

PLOT DATE : 1/24/2023 11:18 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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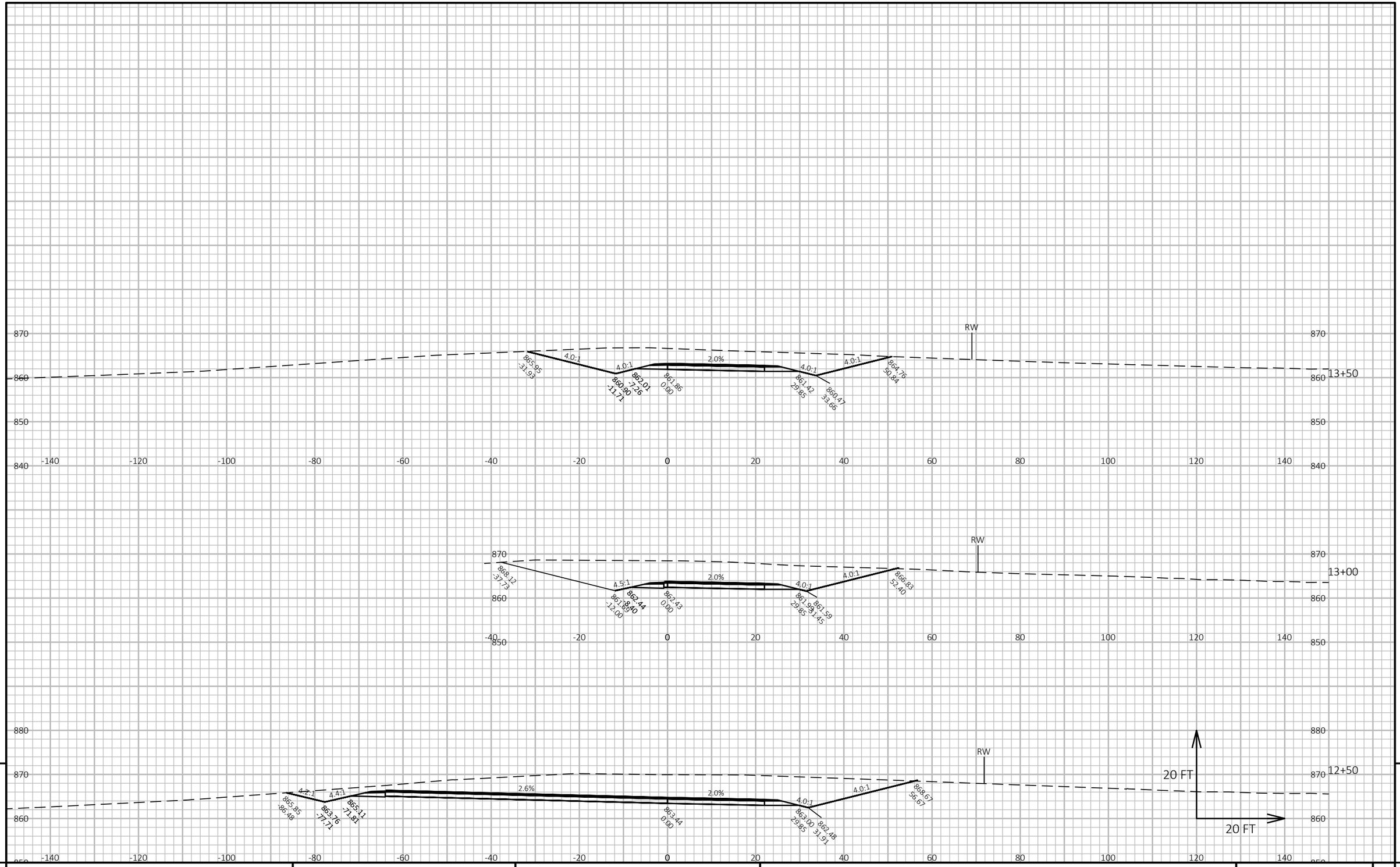
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CORNER COURT CUL-DE-SAC	SHEET 881	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Corner Ct(1)

PLOT DATE : 1/24/2023 11:18 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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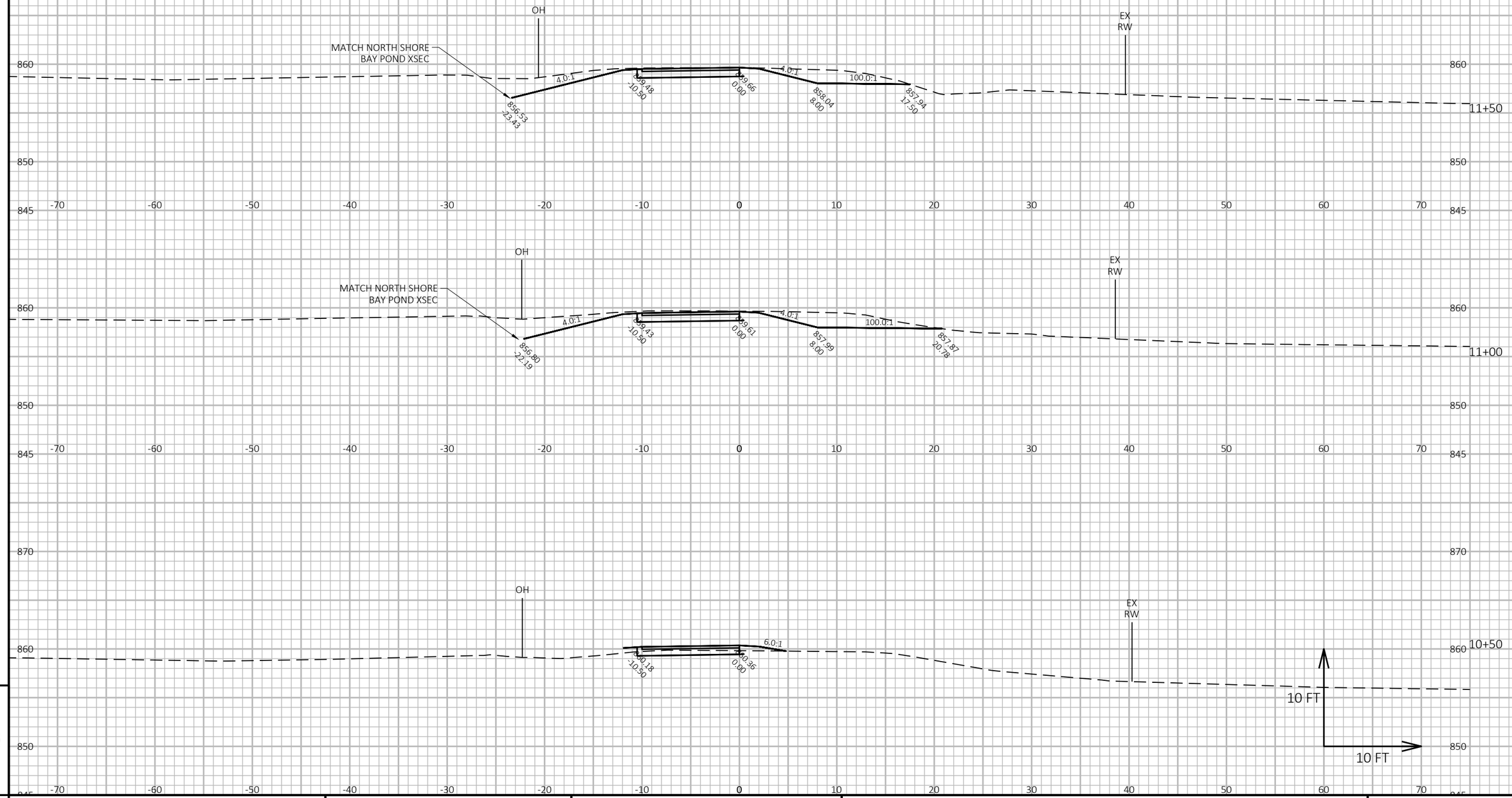
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CORNER COURT CUL-DE-SAC	SHEET 882	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Corner Ct(2)

PLOT DATE : 1/24/2023 11:18 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49



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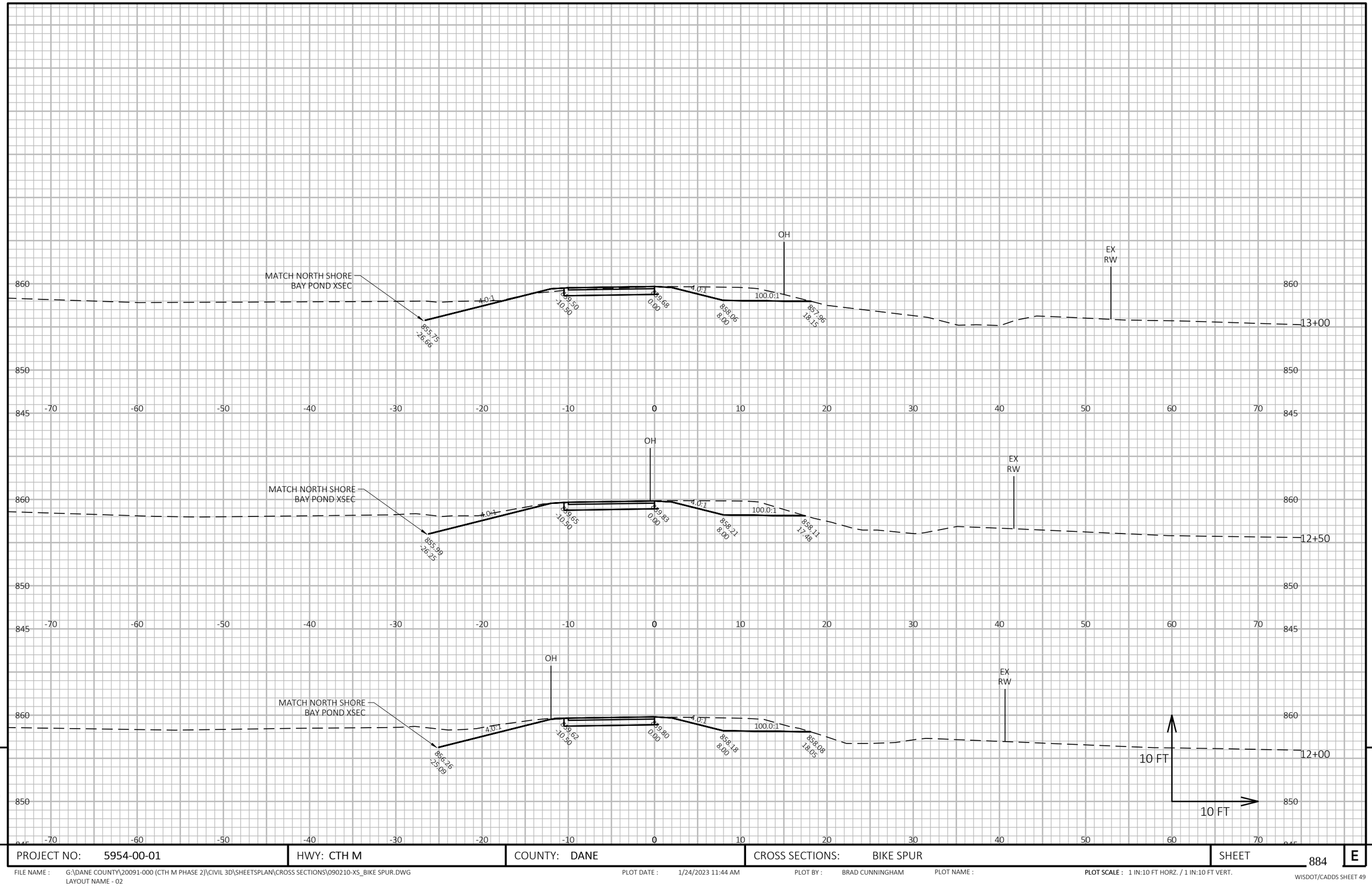
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: BIKE SPUR	SHEET 883	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_BIKE SPUR.DWG
LAYOUT NAME - 01

PLOT DATE : 1/24/2023 11:44 AM PLOT BY : BRAD CUNNINGHAM PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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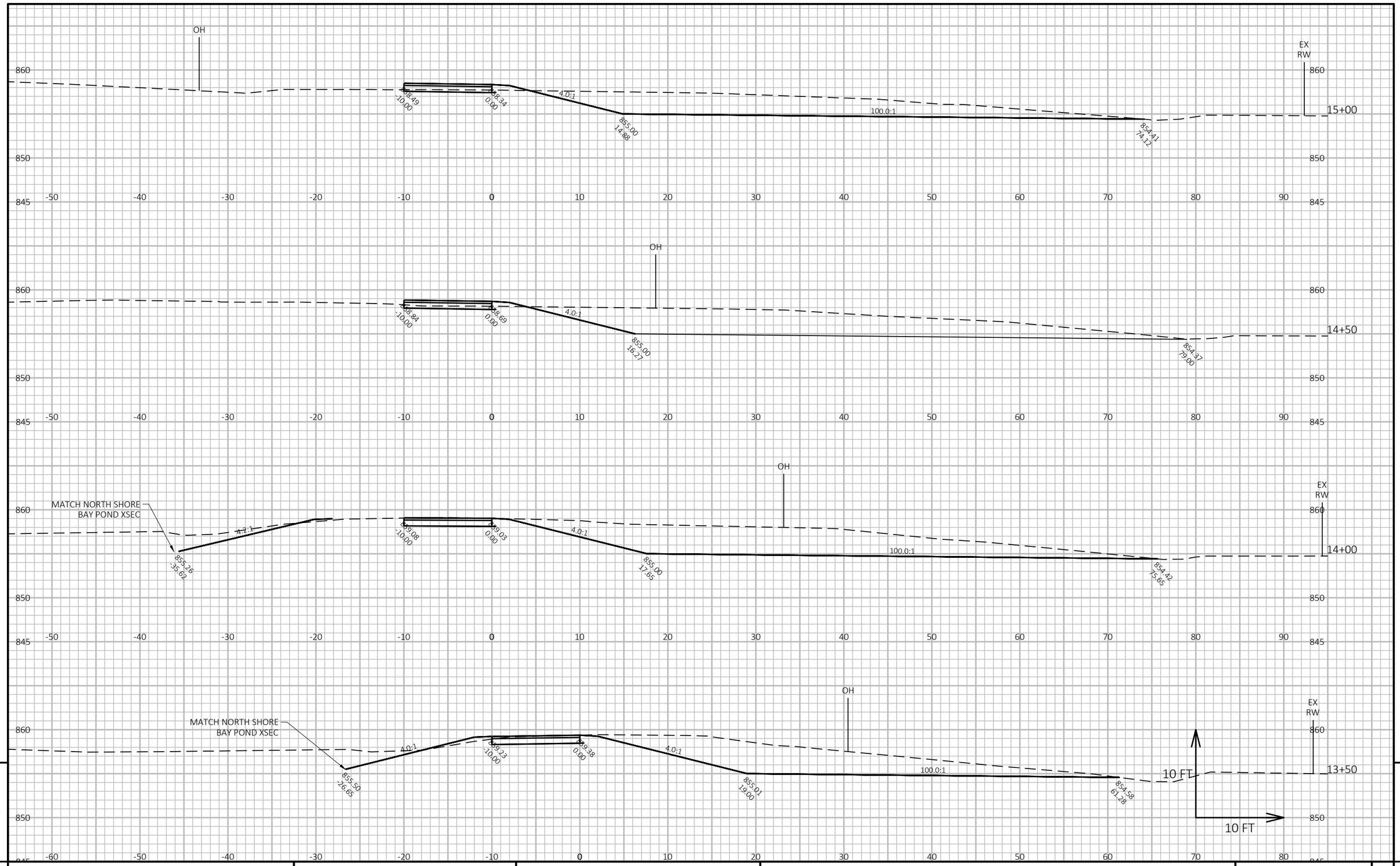
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: BIKE SPUR	SHEET 884	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_BIKE SPUR.DWG
LAYOUT NAME - 02

PLOT DATE : 1/24/2023 11:44 AM PLOT BY : BRAD CUNNINGHAM PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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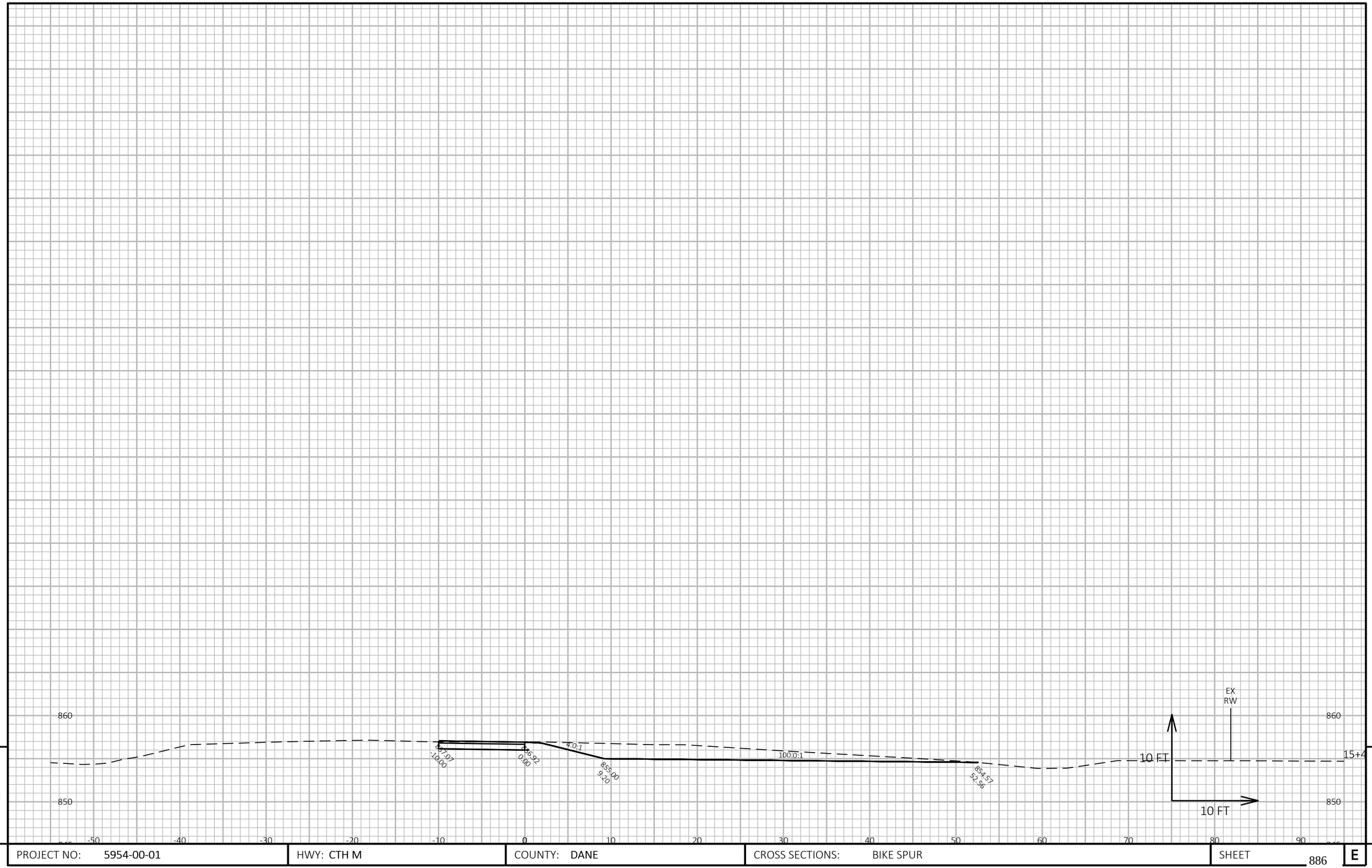
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: BIKE SPUR	SHEET 885	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_BIKE SPUR.DWG
LAYOUT NAME - 03

PLOT DATE : 1/24/2023 11:45 AM PLOT BY : BRAD CUNNINGHAM PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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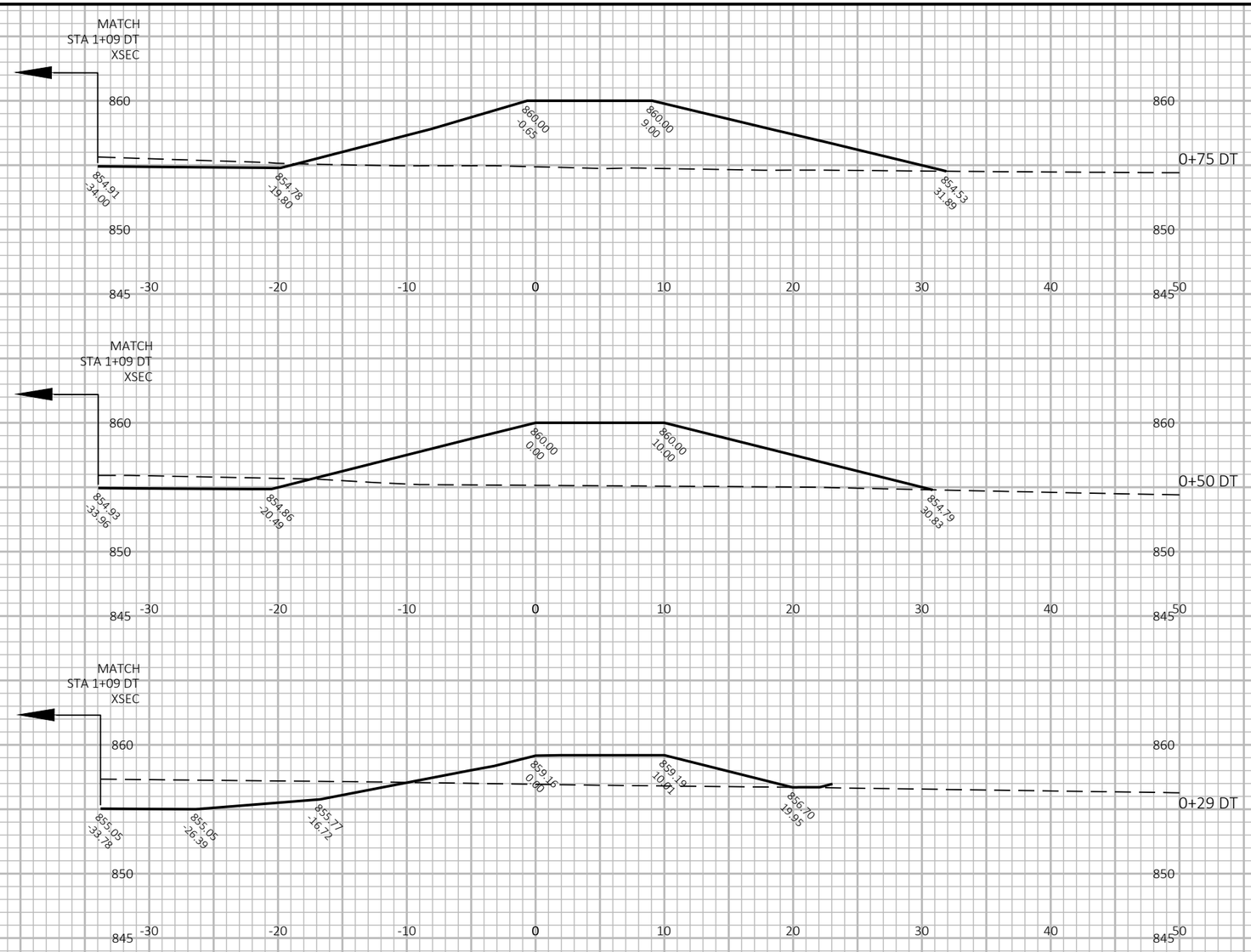
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: BIKE SPUR	SHEET 886	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_BIKE SPUR.DWG
LAYOUT NAME - 04

PLOT DATE : 1/24/2023 11:45 AM PLOT BY : BRAD CUNNINGHAM PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

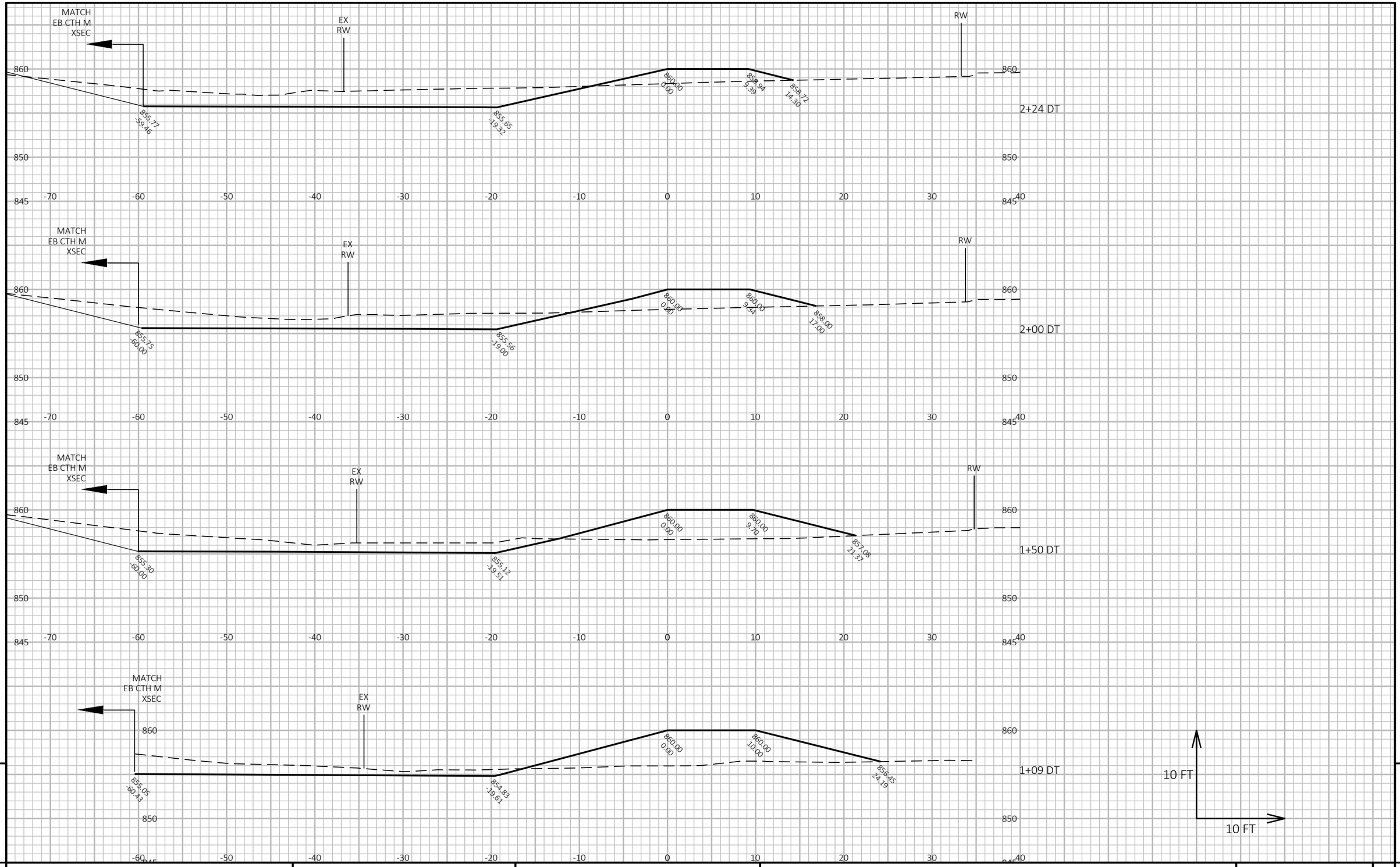


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: DORN CREEK POND	SHEET 887	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_PONDS.DWG
LAYOUT NAME - DO01

PLOT DATE : 1/24/2023 12:11 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

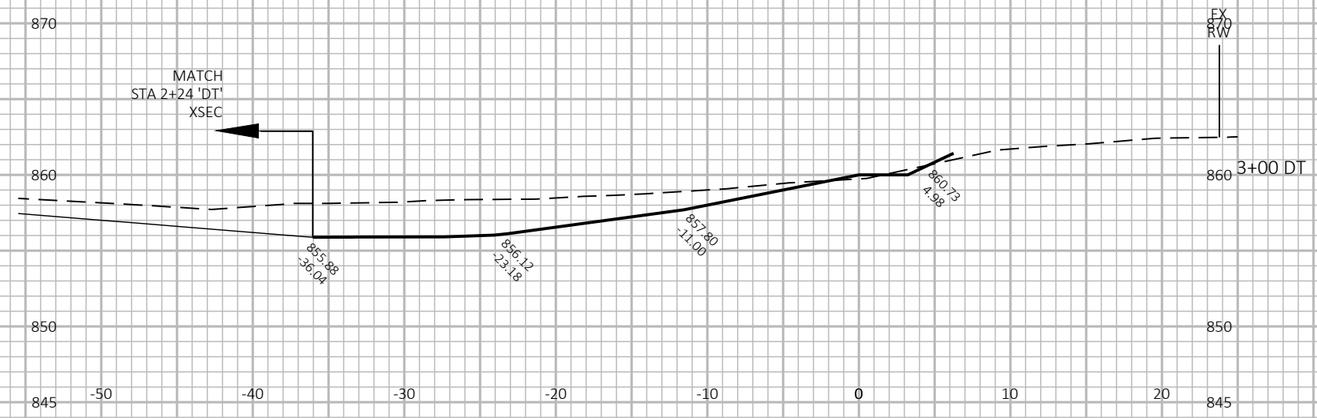


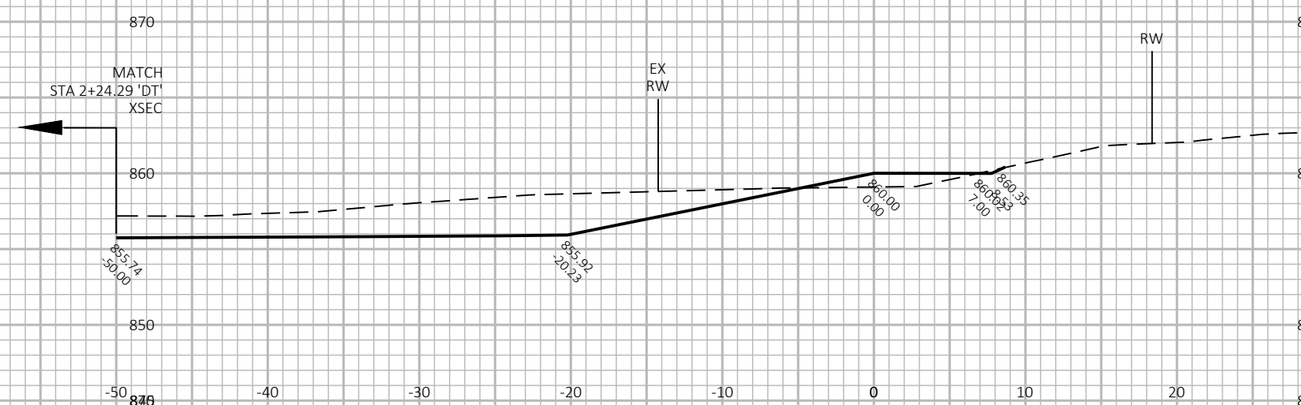
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: DORN CREEK POND	SHEET 888	E

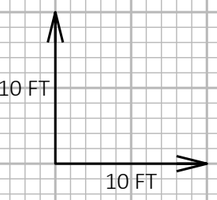
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_PONDS.DWG
LAYOUT NAME - DO02

PLOT DATE : 1/24/2023 12:11 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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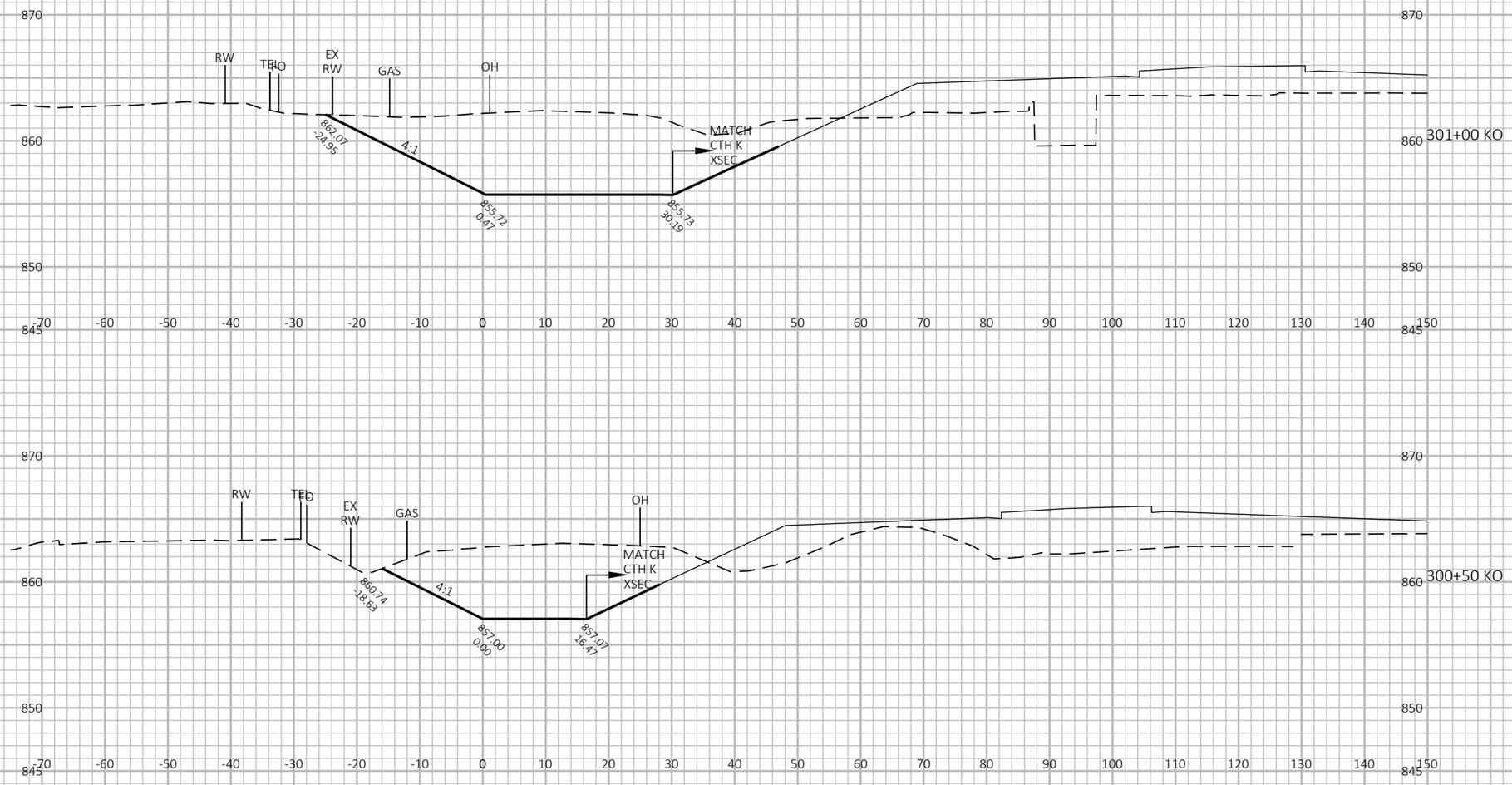
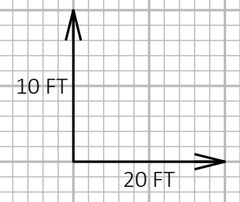
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: DORN CREEK POND	SHEET 889	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_PONDS.DWG
LAYOUT NAME - DO03

PLOT DATE : 1/24/2023 12:11 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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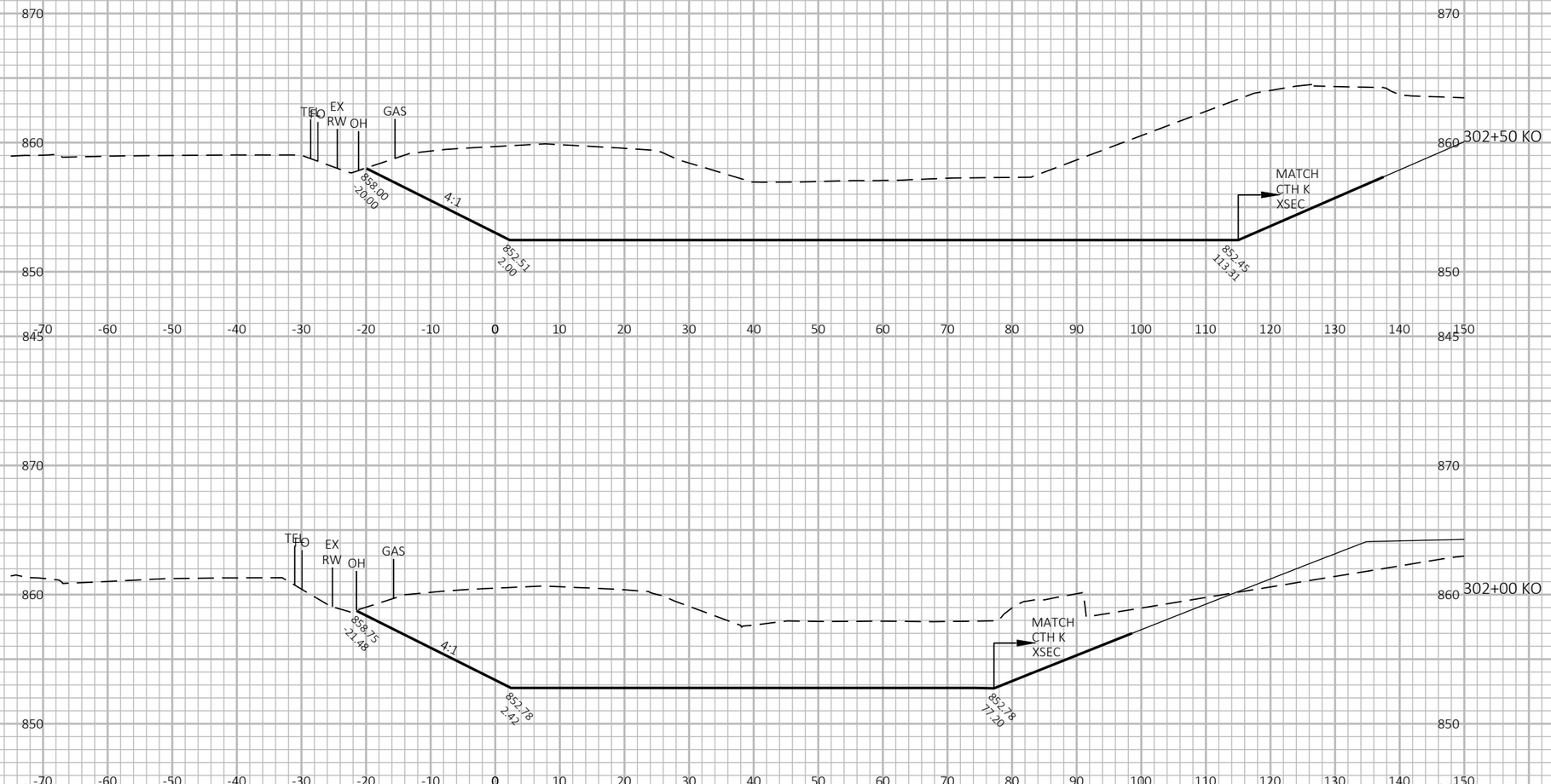
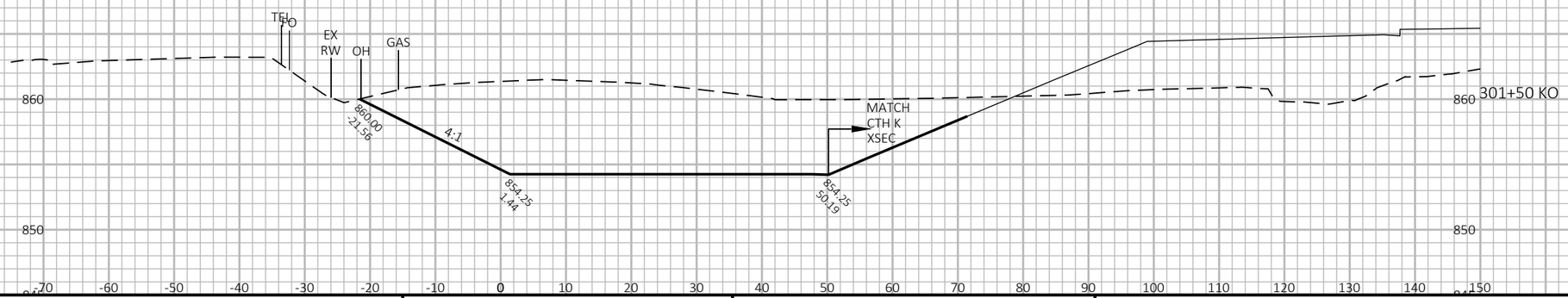
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH K FLOODPLAIN STORAGE	SHEET 890	E

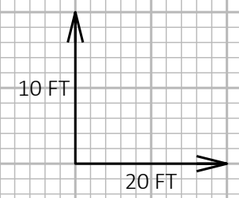
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_PONDS.DWG
LAYOUT NAME - KO01

PLOT DATE : 1/24/2023 12:30 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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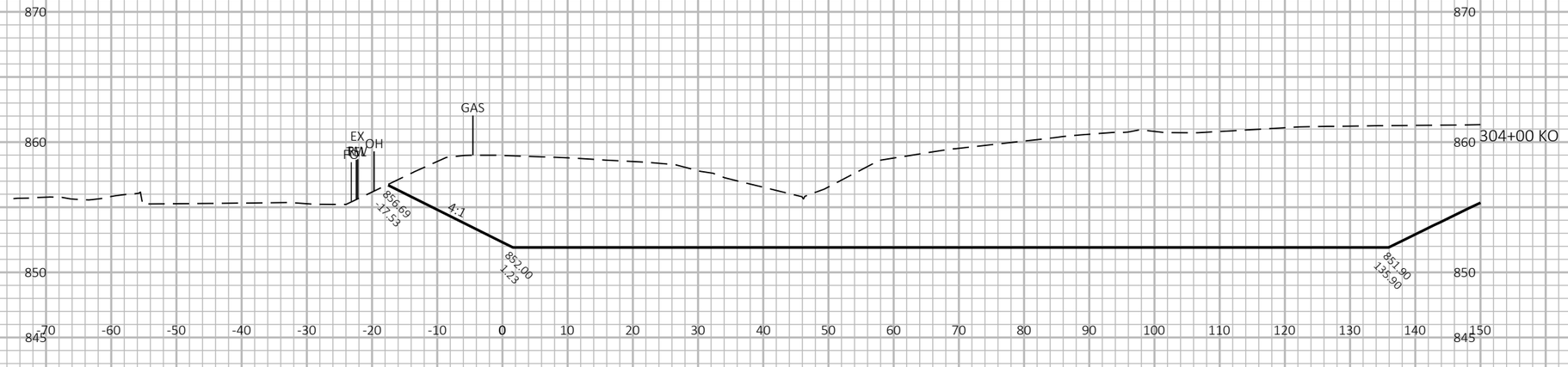
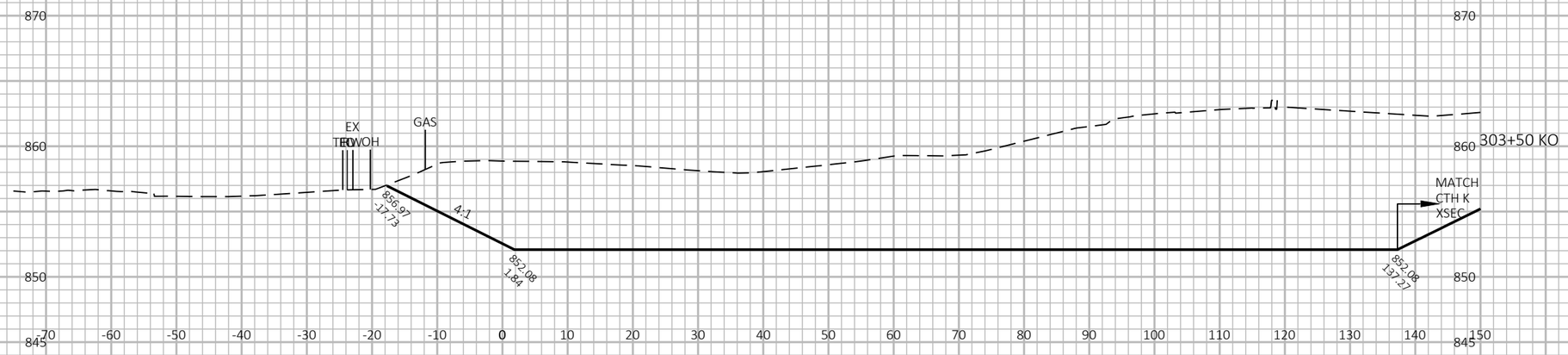
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH K FLOODPLAIN STORAGE	SHEET 891	E

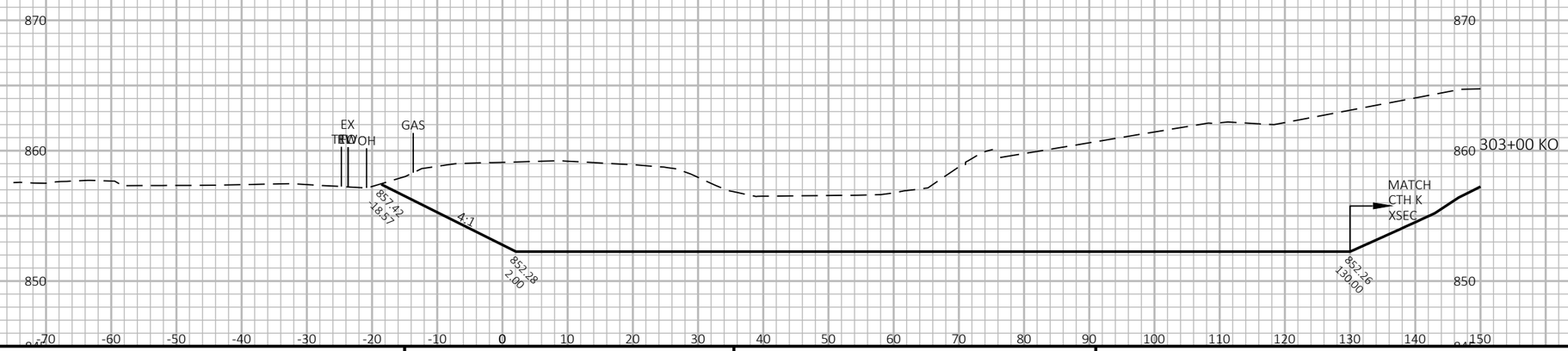
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_PONDS.DWG
LAYOUT NAME - KO02

PLOT DATE : 1/24/2023 12:31 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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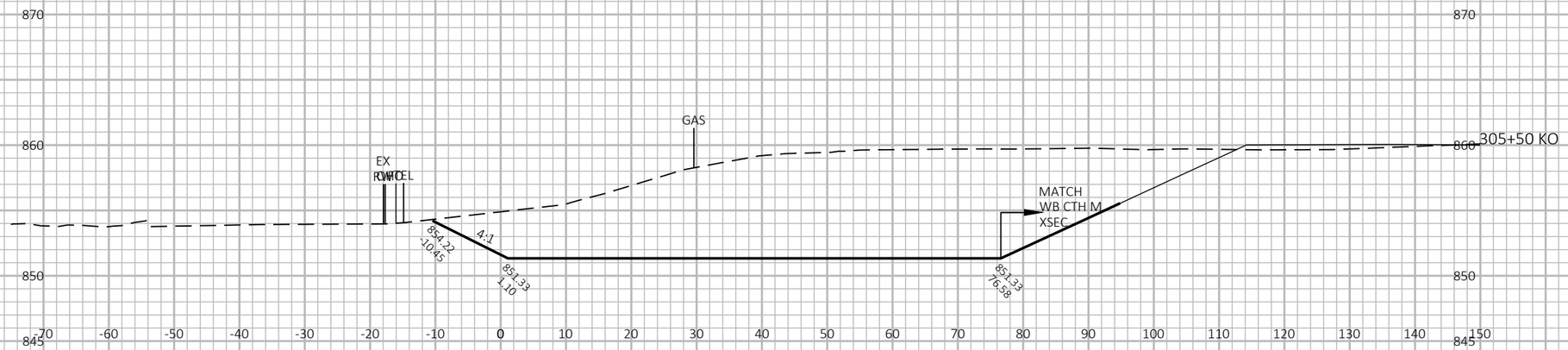
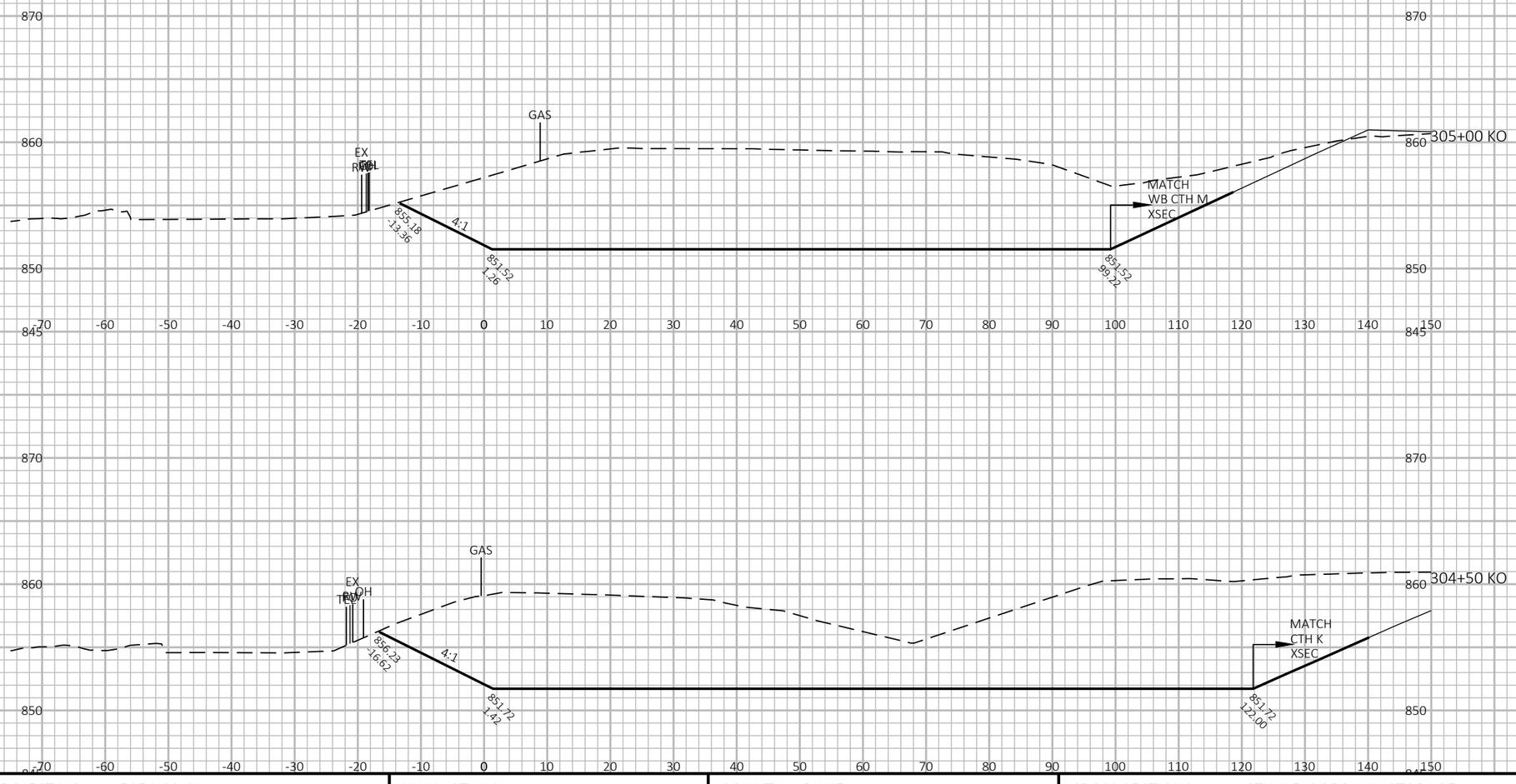
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH K FLOODPLAIN STORAGE	SHEET 892	E

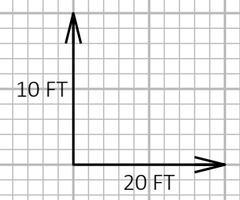
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_PONDS.DWG
LAYOUT NAME - KO03

PLOT DATE : 1/24/2023 12:31 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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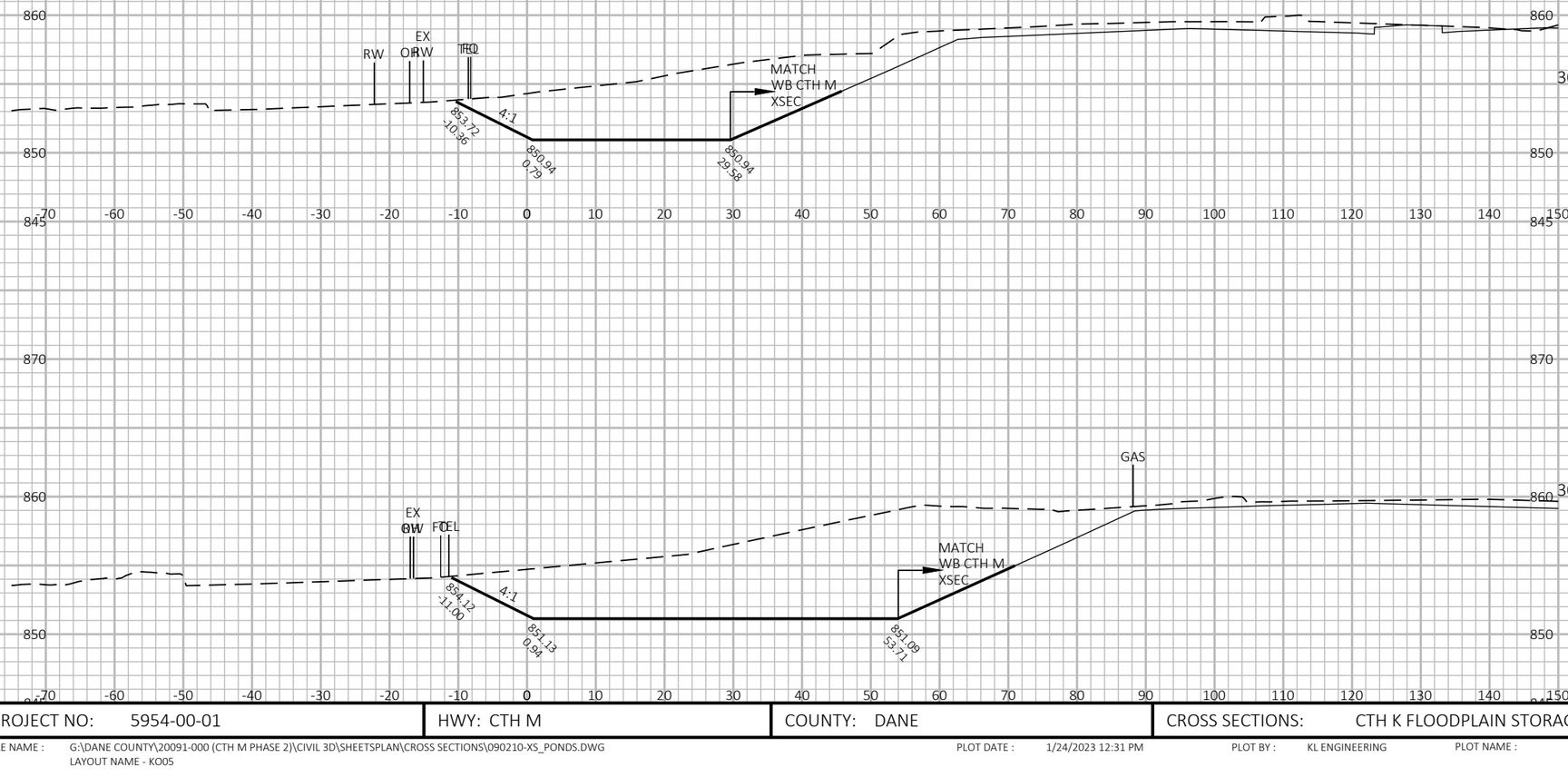
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH K FLOODPLAIN STORAGE	SHEET 893	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_PONDS.DWG
LAYOUT NAME - KO04

PLOT DATE : 1/24/2023 12:31 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

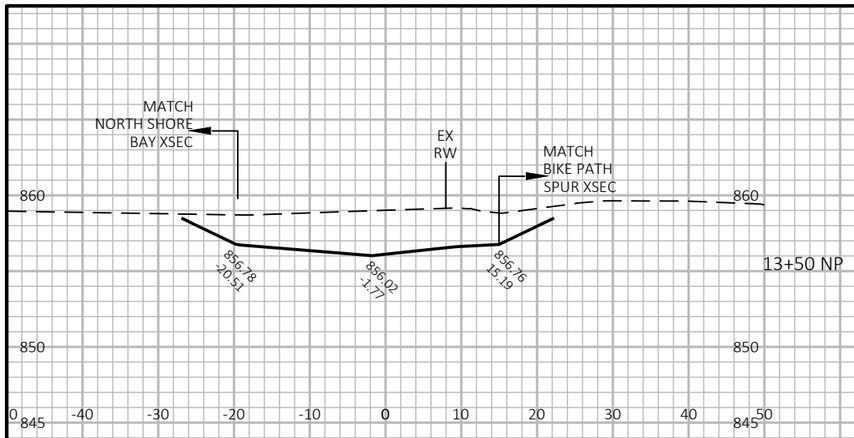


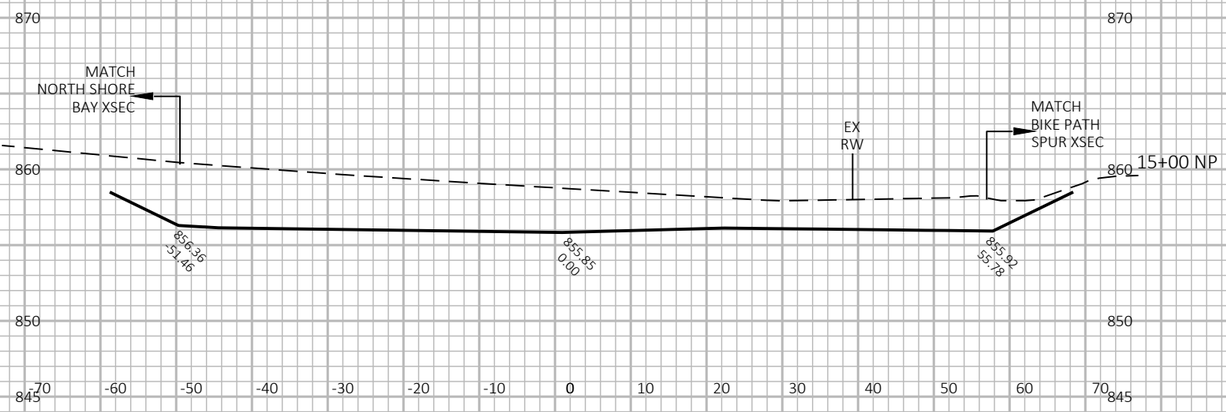
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: CTH K FLOODPLAIN STORAGE	SHEET 894 E

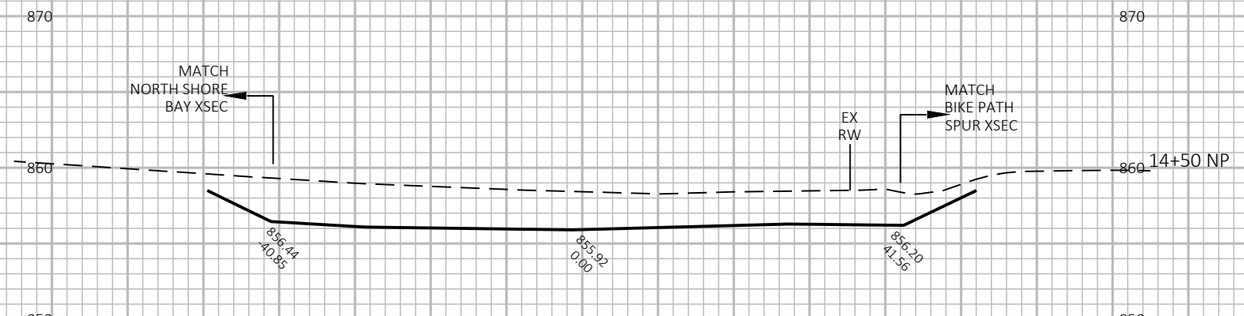
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_PONDS.DWG
LAYOUT NAME - KO05

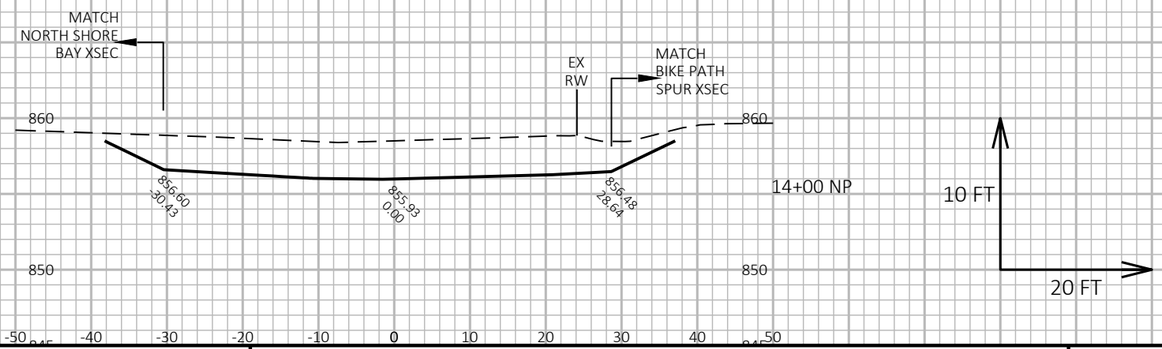
PLOT DATE : 1/24/2023 12:31 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49









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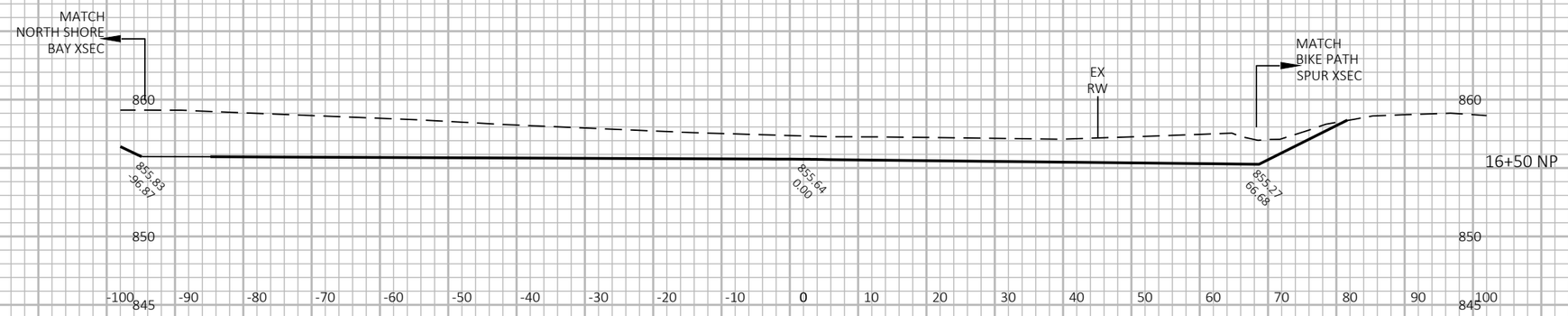
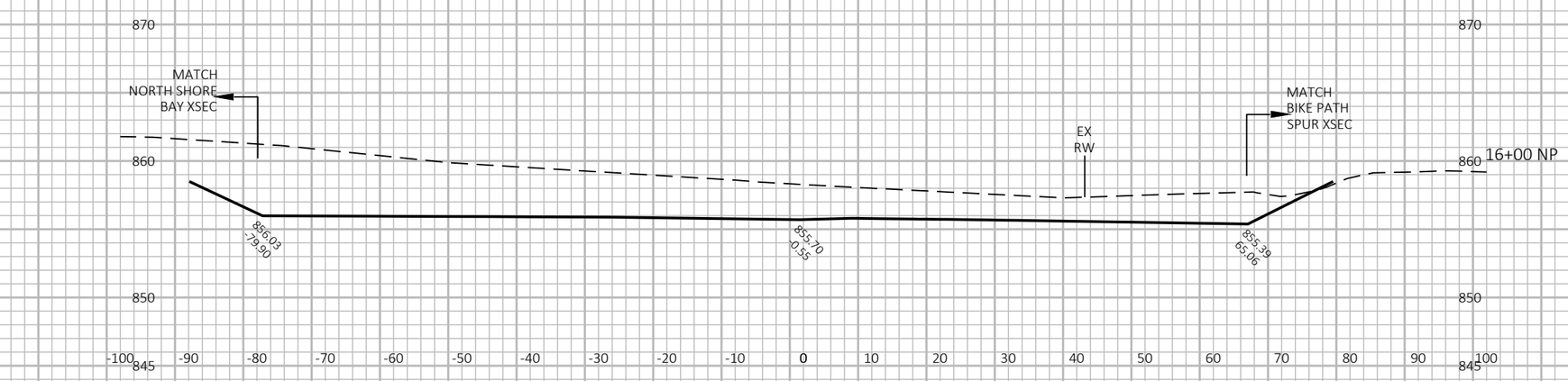
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: NORTH SHORE POND	SHEET 895	E

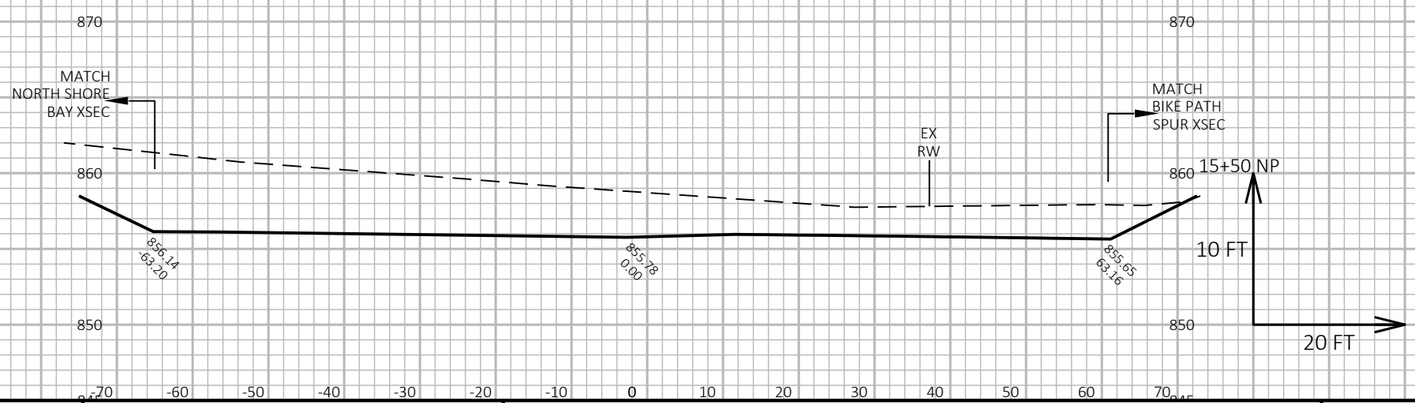
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_PONDS.DWG
LAYOUT NAME - NP01

PLOT DATE : 1/24/2023 12:31 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

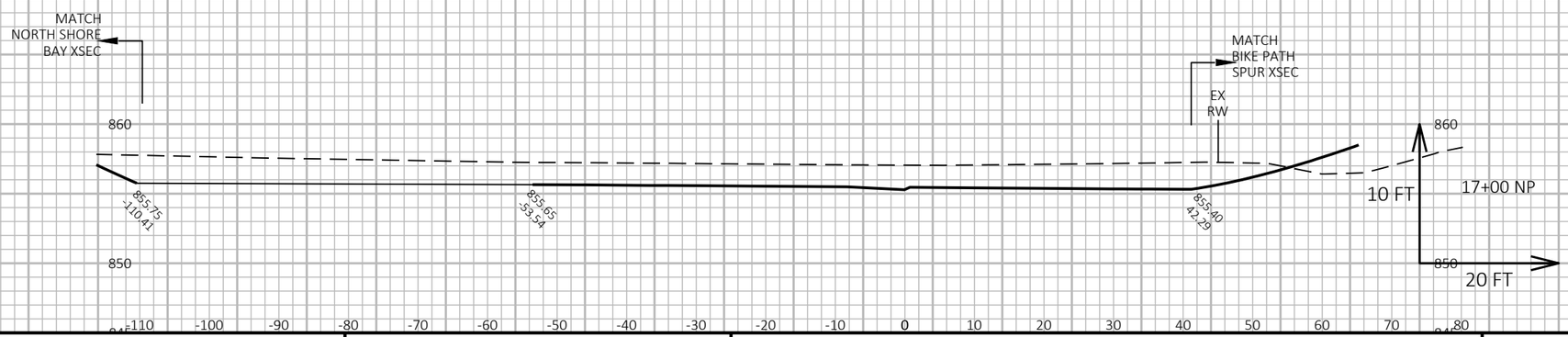






PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: NORTH SHORE POND	SHEET 896	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_PONDS.DWG
LAYOUT NAME - NP02
PLOT DATE : 1/24/2023 12:31 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



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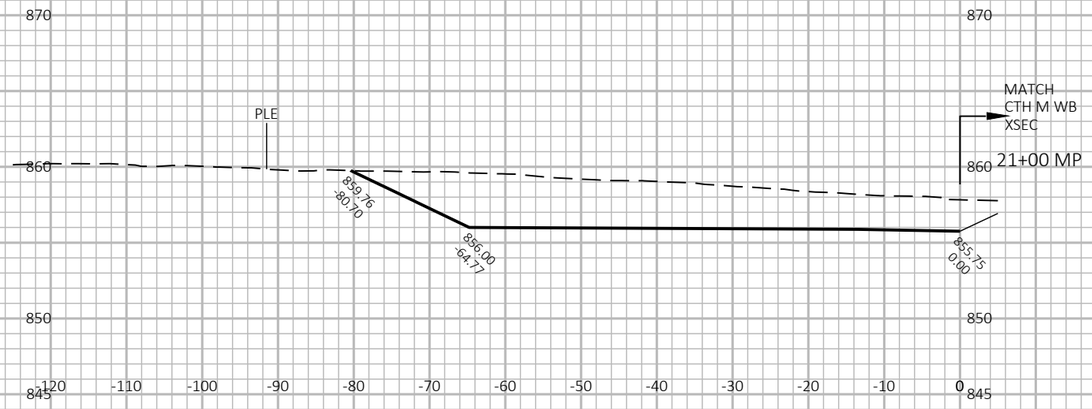
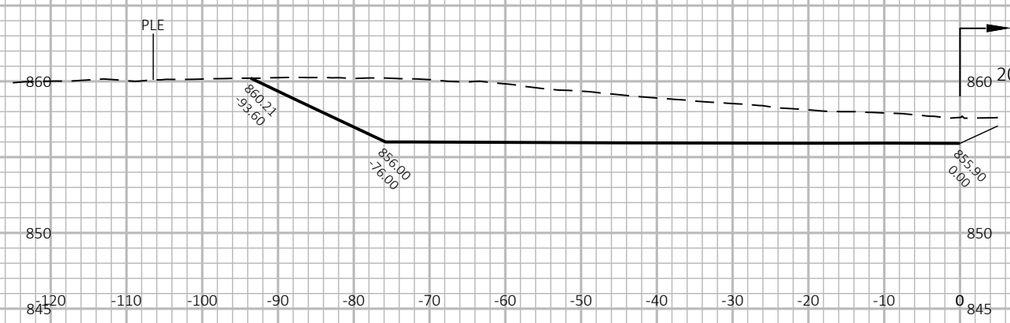
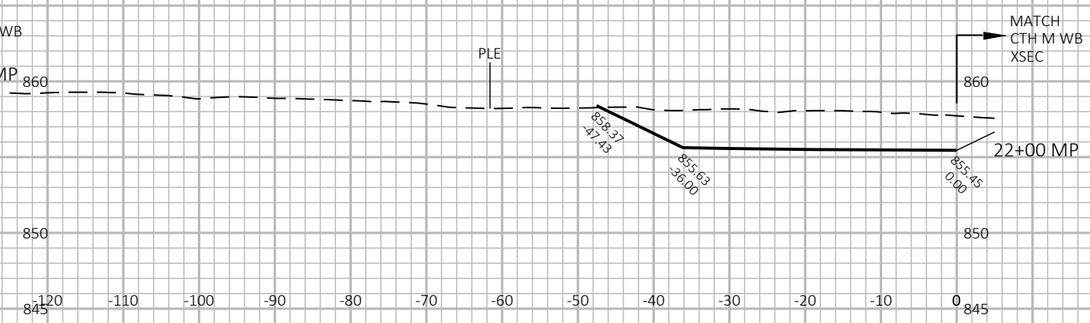
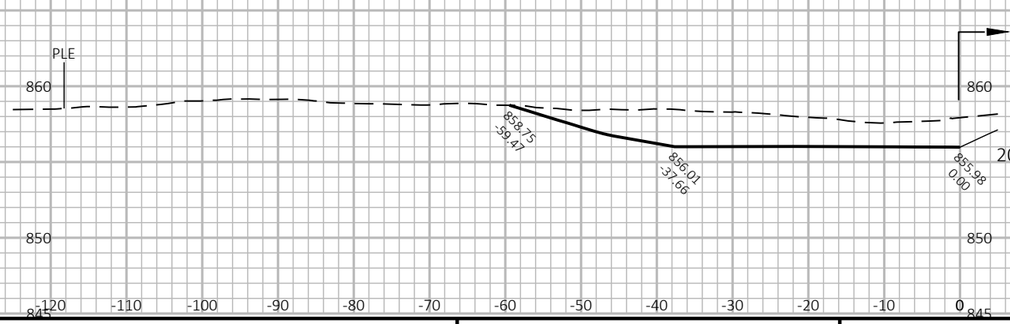
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: NORTH SHORE POND	SHEET 897	E

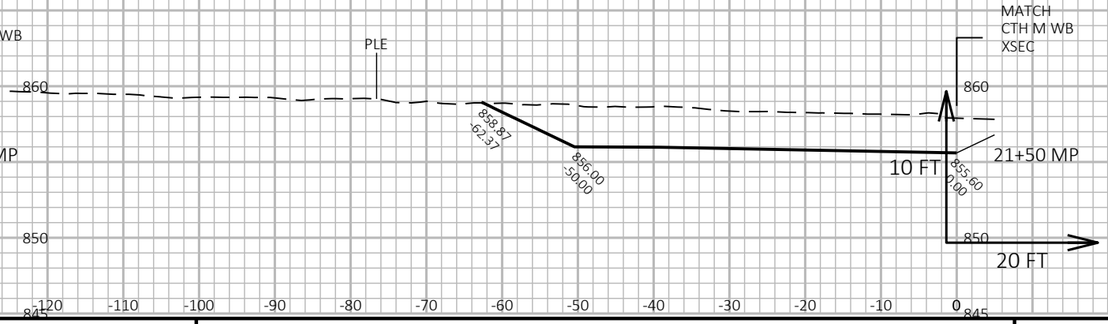
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_PONDS.DWG
LAYOUT NAME - NP03
PLOT DATE : 1/24/2023 12:31 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49











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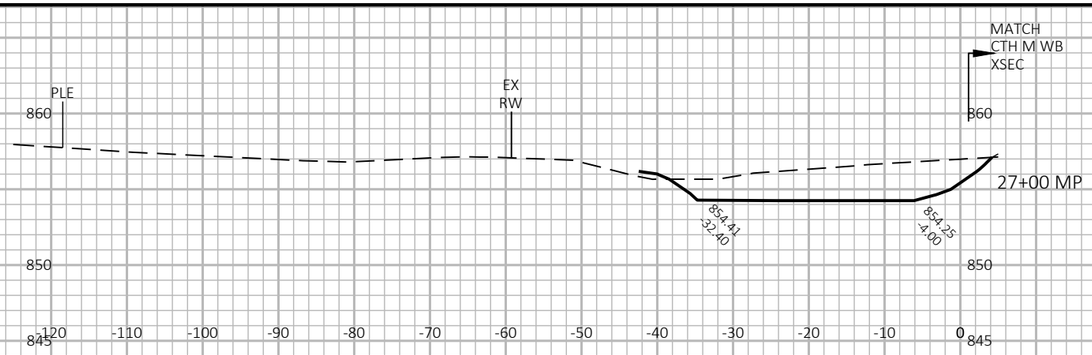
9

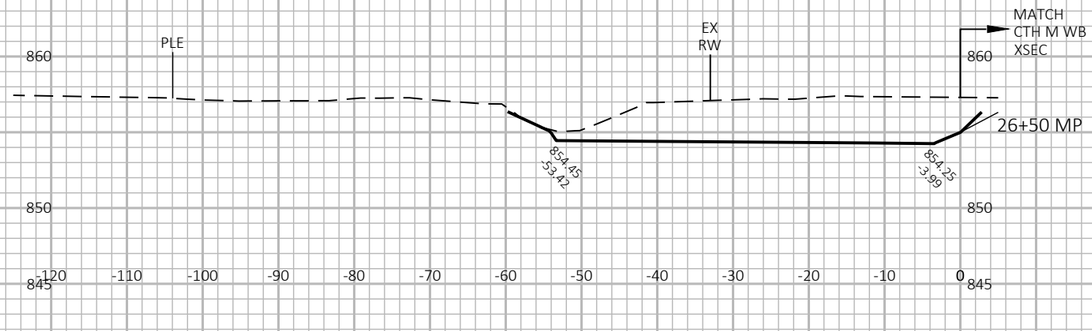
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: MARY LAKE POND	SHEET 898	E

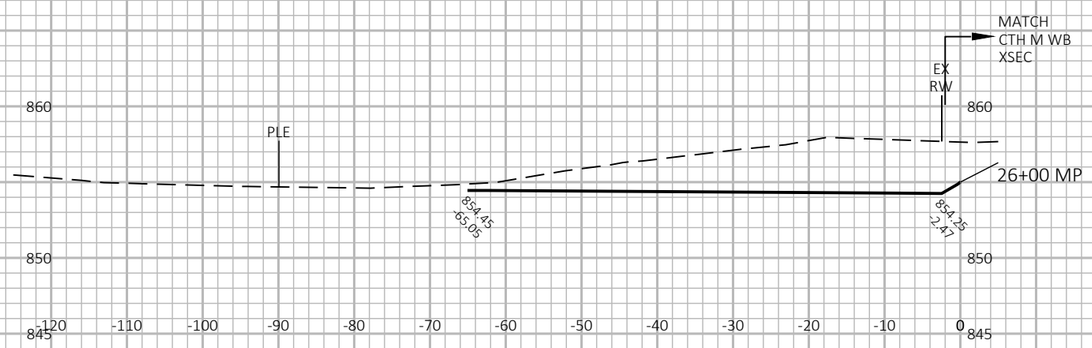
FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_PONDS.DWG
LAYOUT NAME - MP1

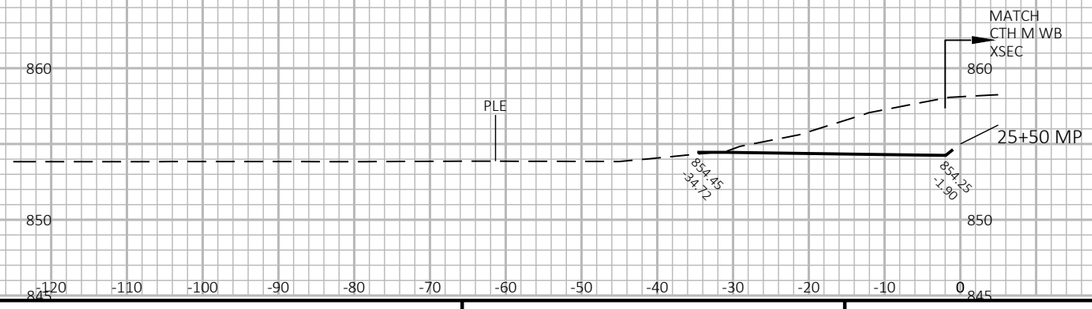
PLOT DATE : 1/24/2023 12:31 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

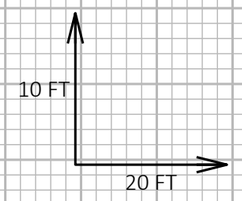
WISDOT/CADDS SHEET 49











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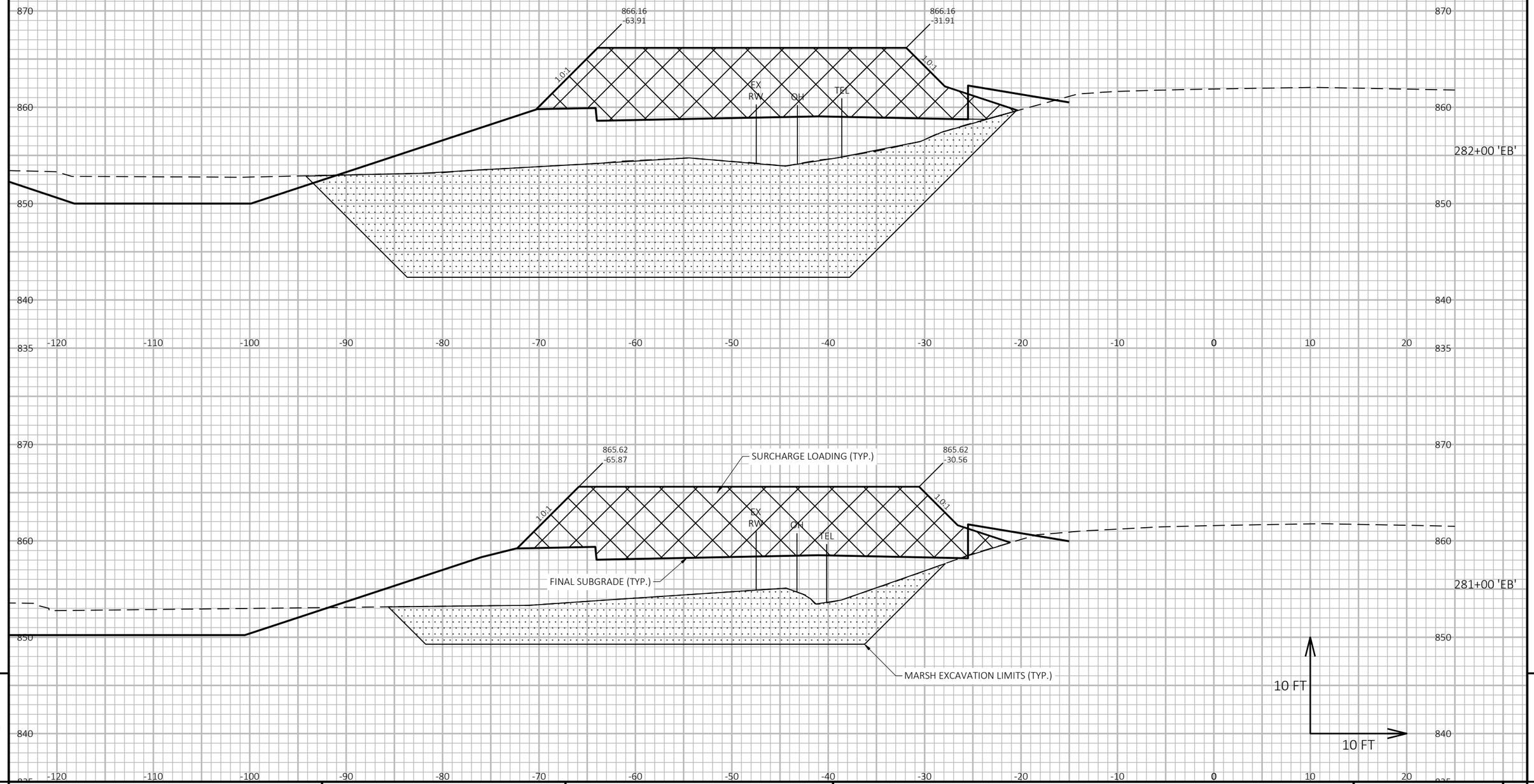
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: MARY LAKE POND	SHEET 899	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_PONDS.DWG
LAYOUT NAME - MP2

PLOT DATE : 1/24/2023 12:31 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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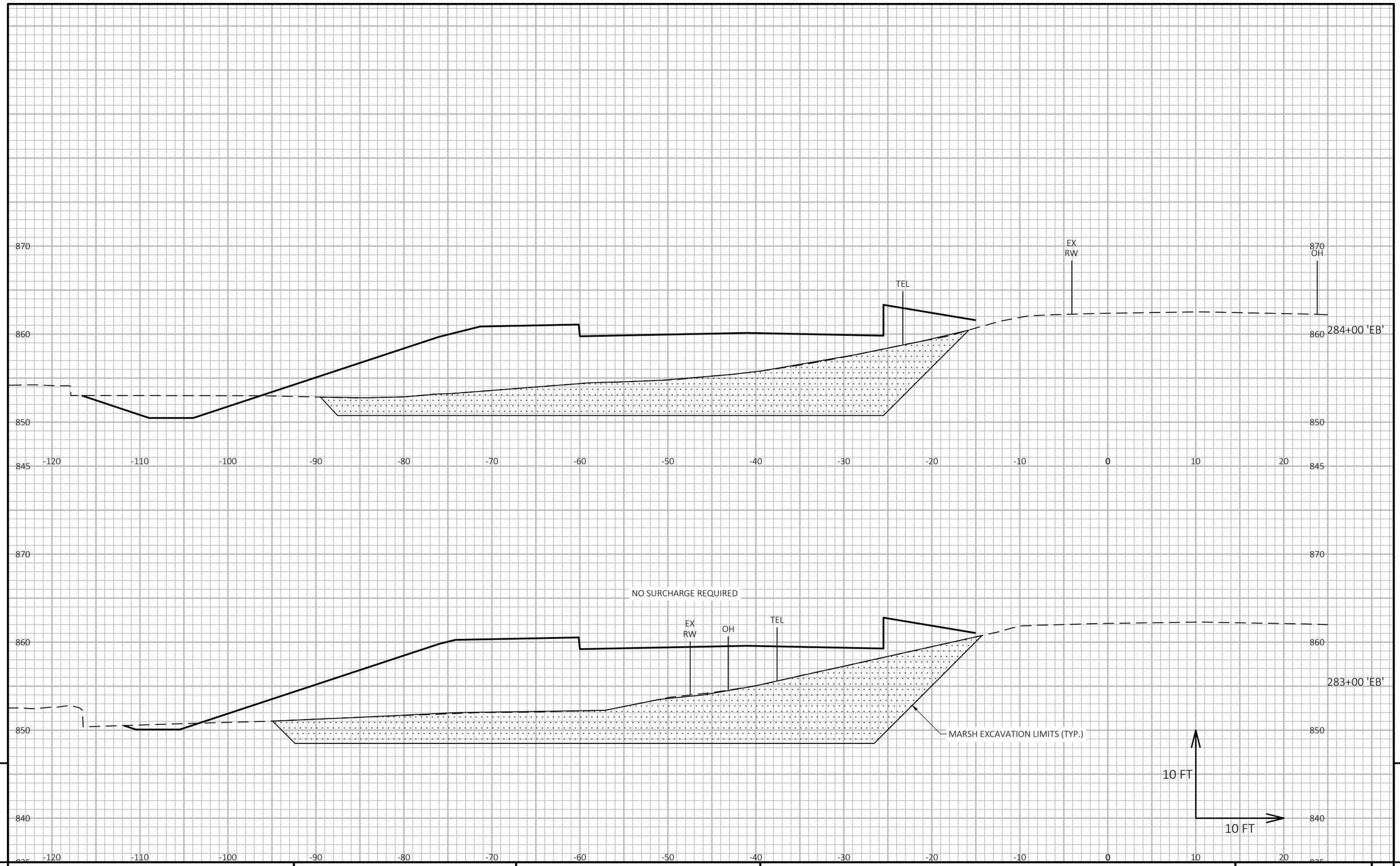
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: SURCHARGE LOADING	SHEET 900	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_SURCHARGE.DWG
LAYOUT NAME - 01

PLOT DATE : 10/14/2022 8:27 AM PLOT BY : BRAD CUNNINGHAM PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: SURCHARGE LOADING	SHEET 901	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_SURCHARGE.DWG
LAYOUT NAME - 02

PLOT DATE : 10/14/2022 8:27 AM PLOT BY : BRAD CUNNINGHAM PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

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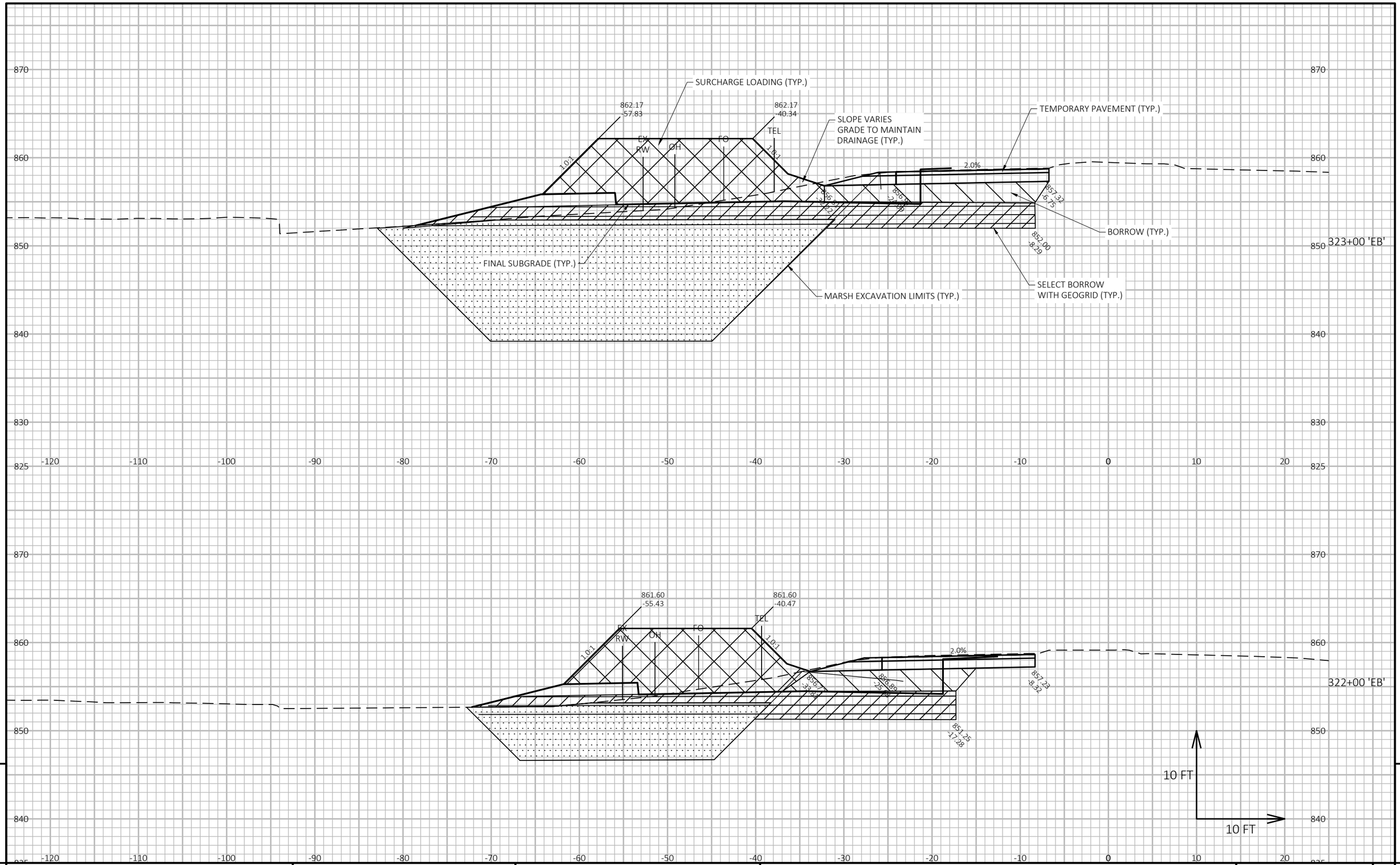
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: SURCHARGE LOADING	SHEET 902	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_SURCHARGE.DWG
LAYOUT NAME - 03

PLOT DATE : 10/14/2022 8:27 AM PLOT BY : BRAD CUNNINGHAM PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

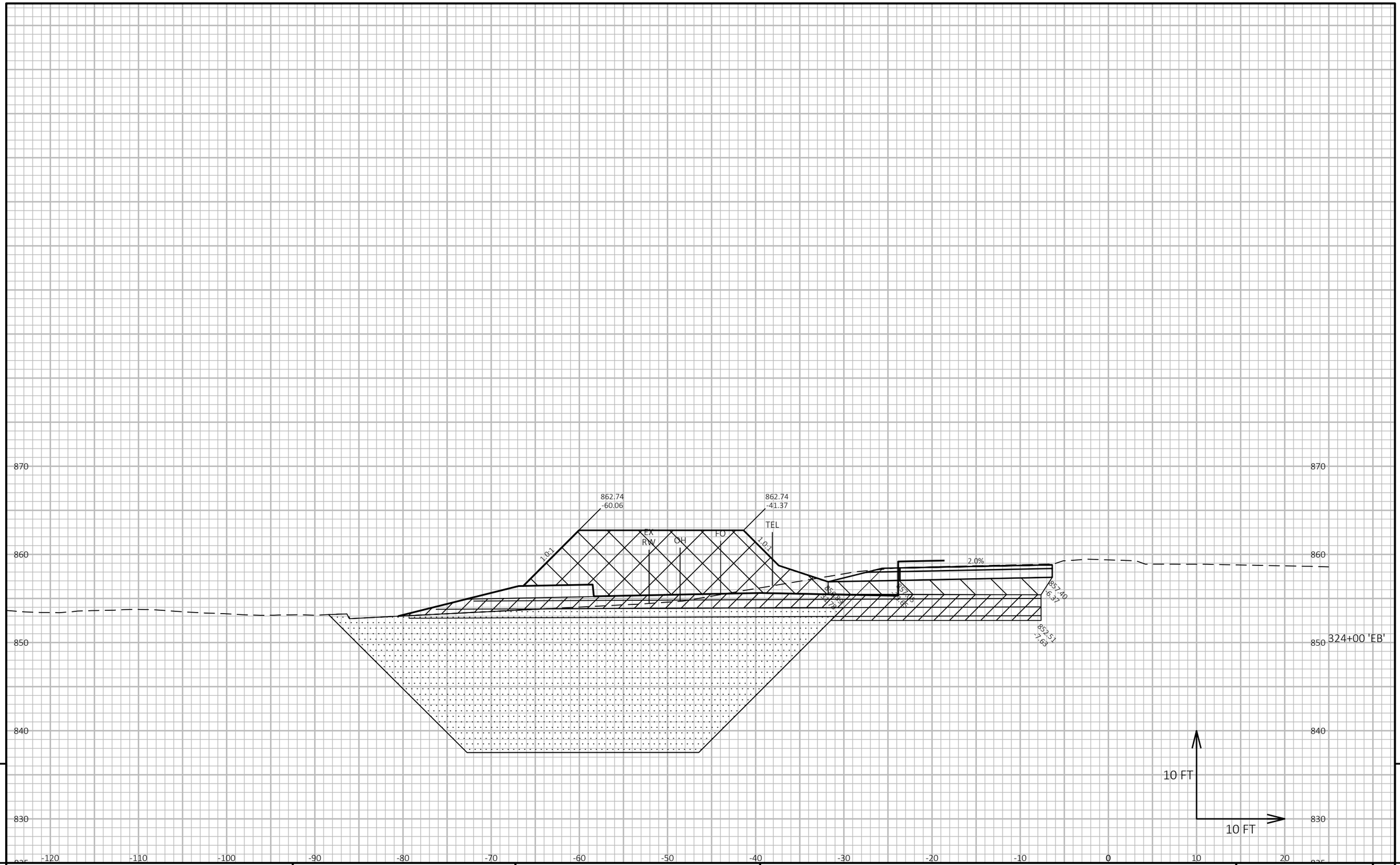


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: SURCHARGE LOADING	SHEET 903	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_SURCHARGE.DWG
LAYOUT NAME - 04

PLOT DATE : 10/14/2022 8:27 AM PLOT BY : BRAD CUNNINGHAM PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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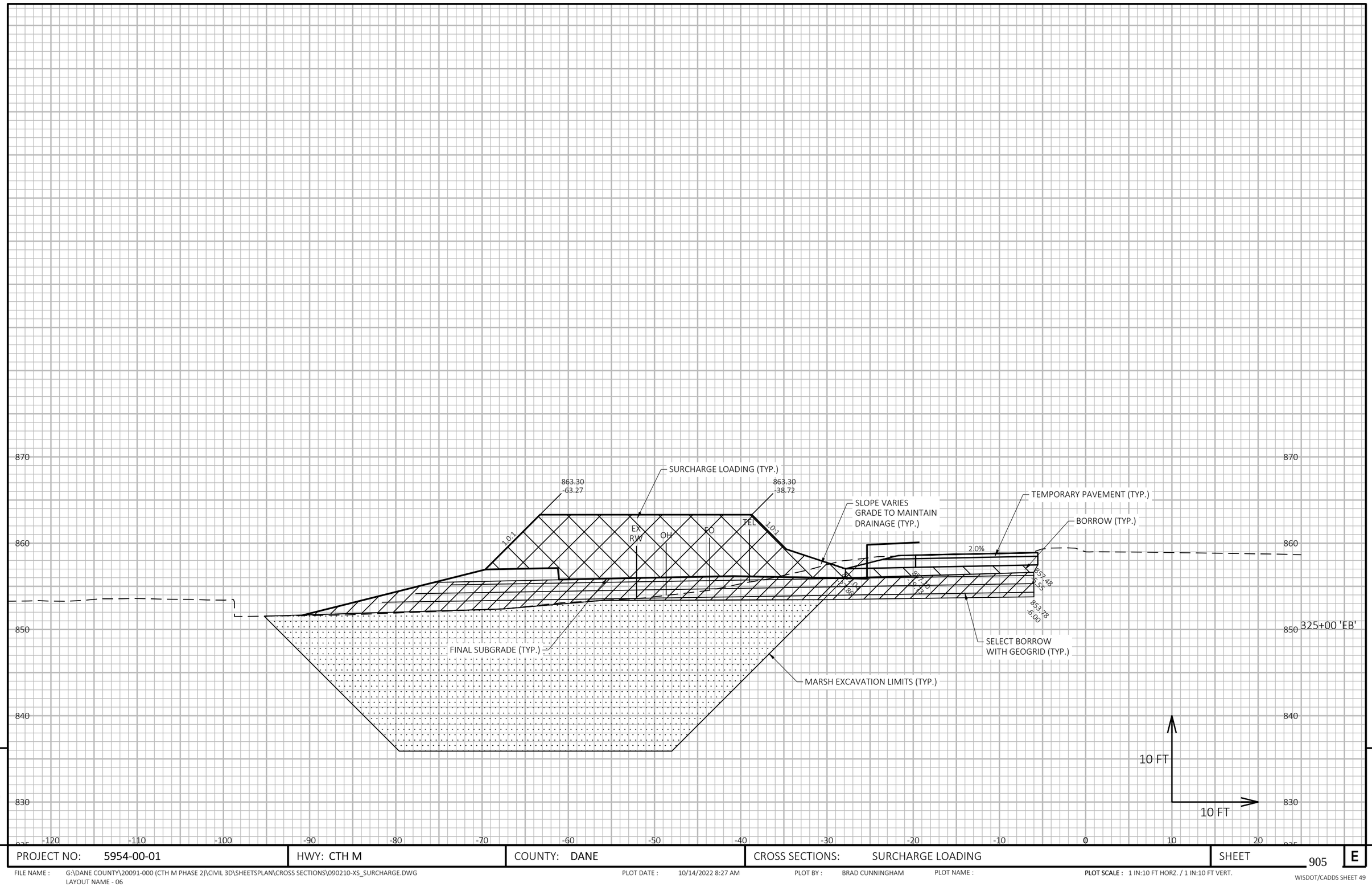
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: SURCHARGE LOADING	SHEET 904	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_SURCHARGE.DWG
LAYOUT NAME - 05

PLOT DATE : 10/14/2022 8:27 AM PLOT BY : BRAD CUNNINGHAM PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: SURCHARGE LOADING	SHEET 905	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_SURCHARGE.DWG
LAYOUT NAME - 06

PLOT DATE : 10/14/2022 8:27 AM PLOT BY : BRAD CUNNINGHAM PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

EXISTING WOODLAND DRIVE

OH

860

2.0%

857.32
-19.18

857.52
-4.15

327+00 'EB'

850

-60 -50 -40 -30 -20 -10 0 10 20

845

870

863.87
-70.98

SURCHARGE LOADING (TYP.)

863.87
-36.82

1.0:1

1.0:1

EX
RW

TEL

EOH

SLOPE VARIES
GRADE TO MAINTAIN
DRAINAGE (TYP.)

BORROW (TYP.)

2.0%

857.57
-4.74

857.34
-21.65

857.34
-16.52

853.54
-7.05

326+00 'EB'

FINAL SUBGRADE (TYP.)

GEOGRID (TYP.)

SELECT BORROW
WITH GEOGRID (TYP.)

MARSH EXCAVATION LIMITS (TYP.)

840

10 FT

10 FT

830

-120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20

9

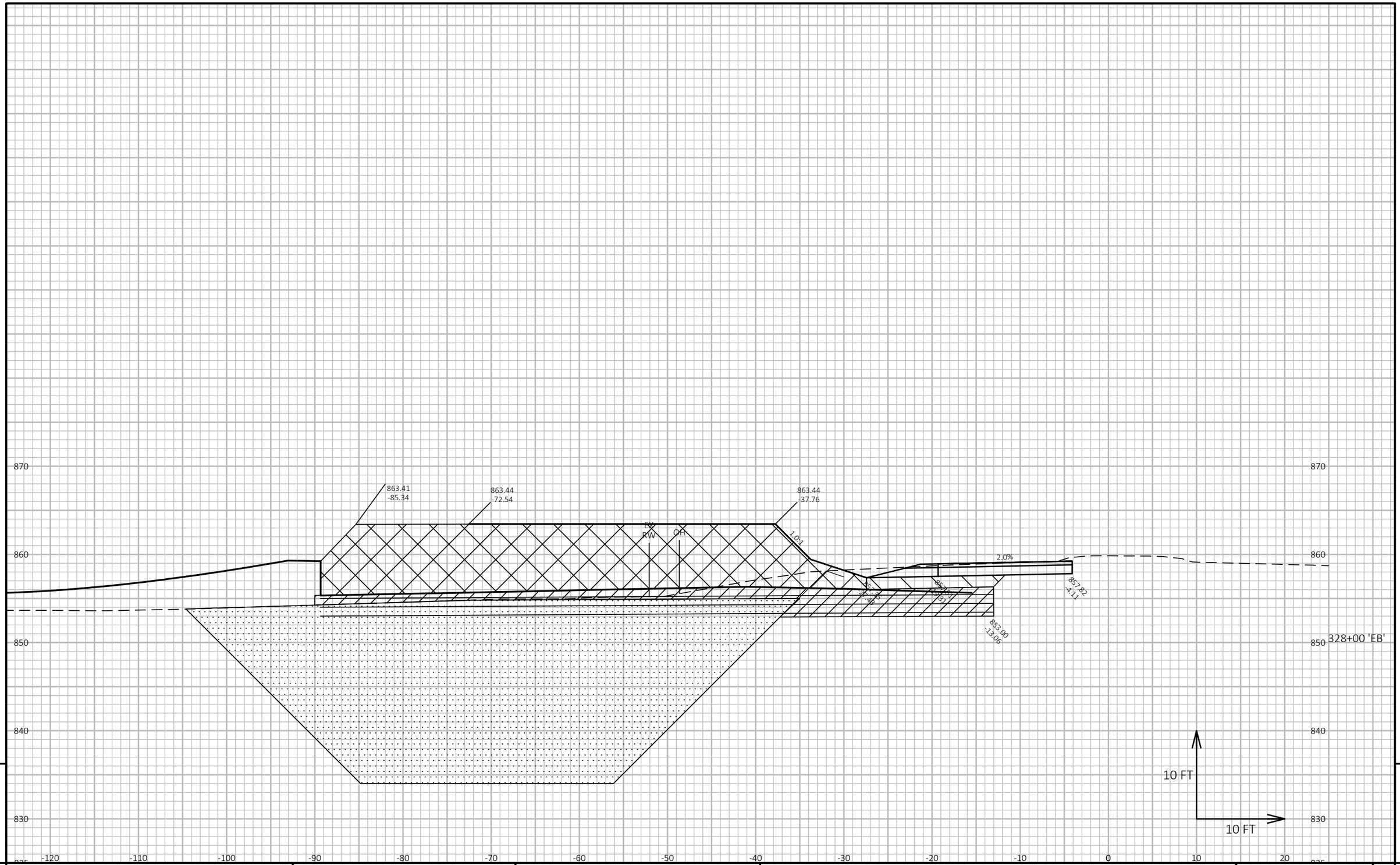
9

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: SURCHARGE LOADING	SHEET 906	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_SURCHARGE.DWG
LAYOUT NAME - 07

PLOT DATE : 10/14/2022 8:27 AM PLOT BY : BRAD CUNNINGHAM PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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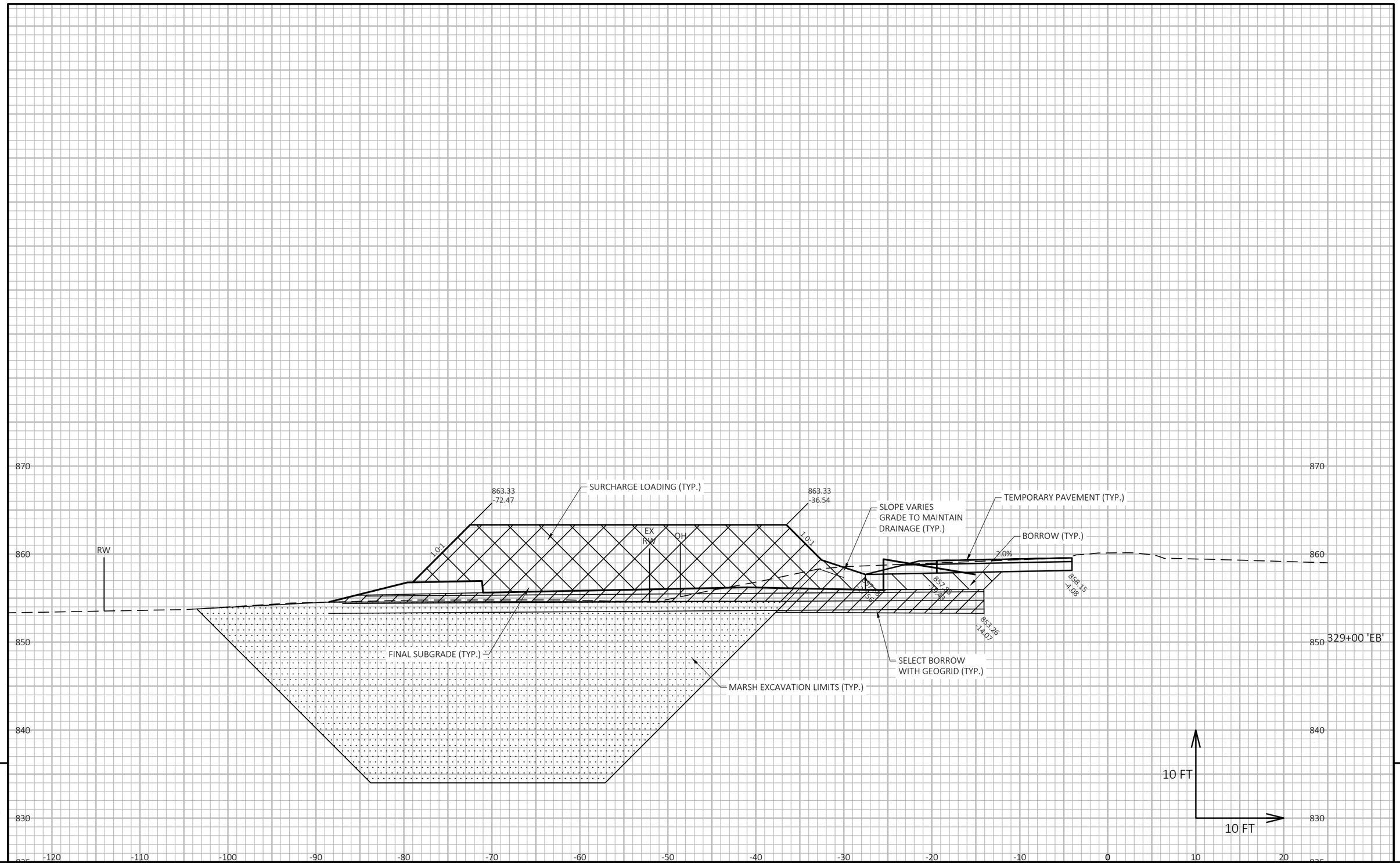
9

PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: SURCHARGE LOADING	SHEET 907	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_SURCHARGE.DWG
LAYOUT NAME - 08

PLOT DATE : 10/14/2022 8:27 AM PLOT BY : BRAD CUNNINGHAM PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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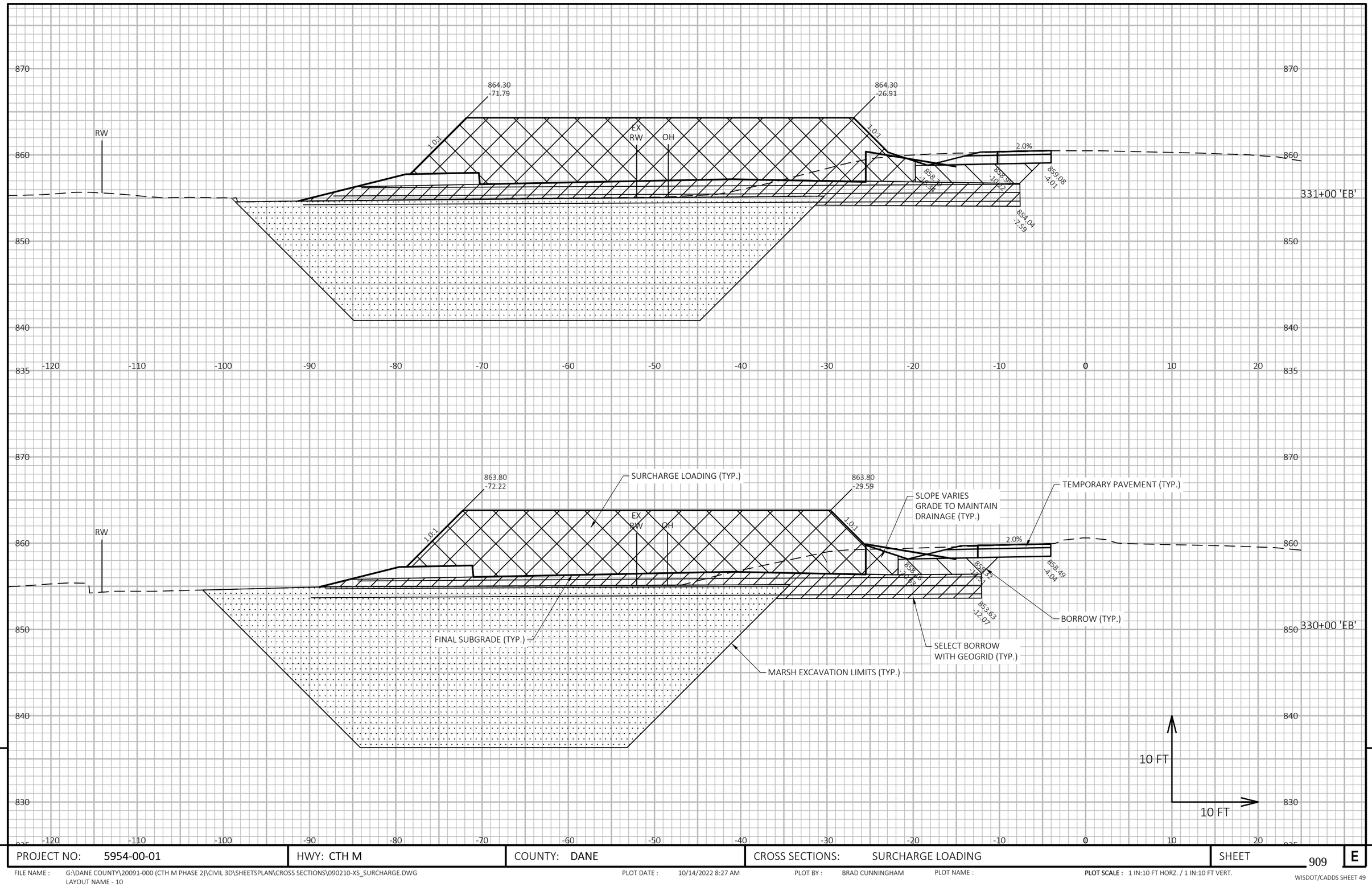
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: SURCHARGE LOADING	SHEET 908	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_SURCHARGE.DWG
LAYOUT NAME - 09

PLOT DATE : 10/14/2022 8:27 AM PLOT BY : BRAD CUNNINGHAM PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

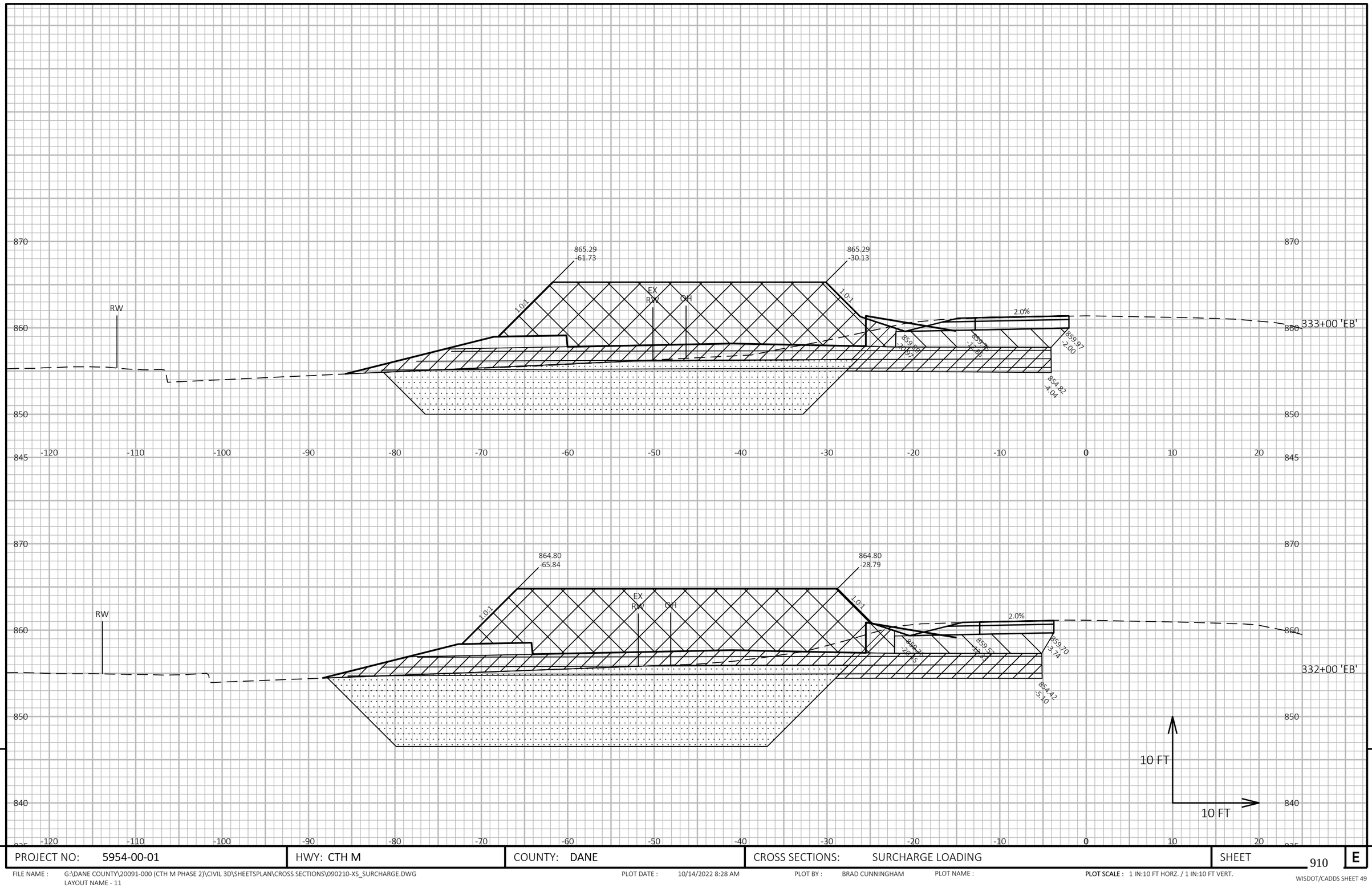


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: SURCHARGE LOADING	SHEET 909	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_SURCHARGE.DWG
LAYOUT NAME - 10

PLOT DATE : 10/14/2022 8:27 AM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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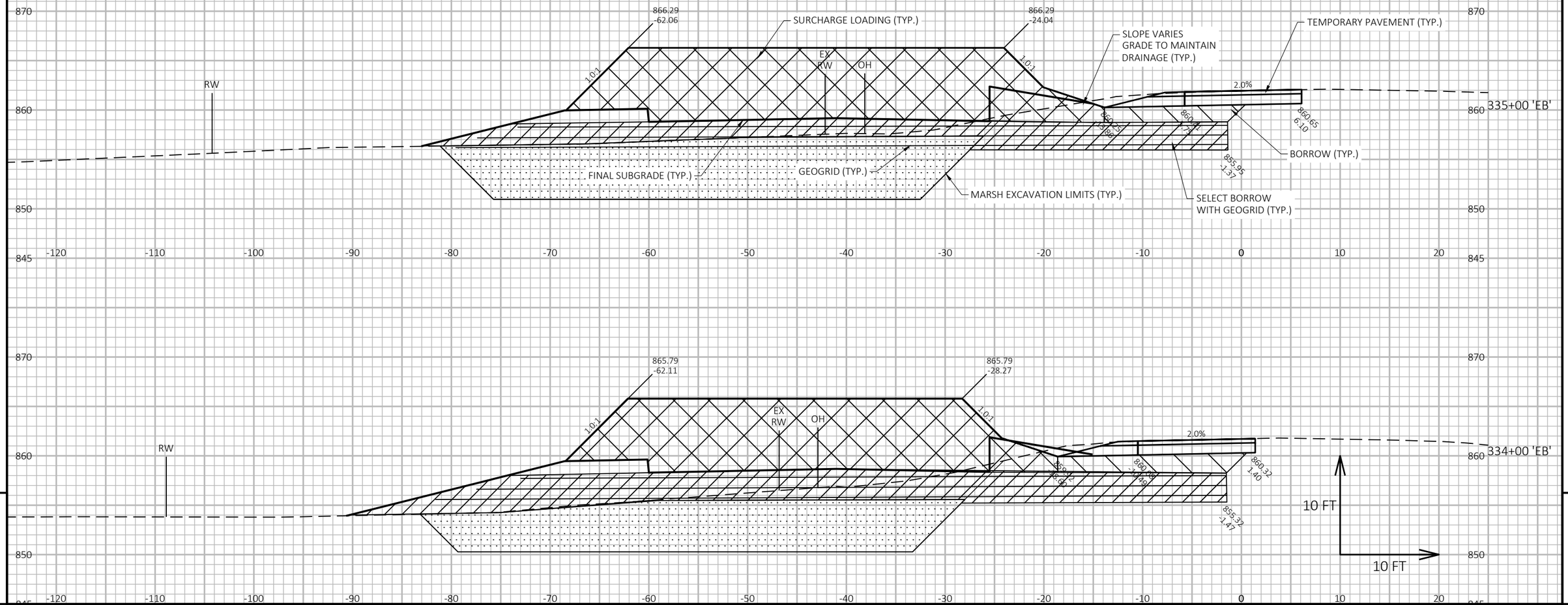
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: SURCHARGE LOADING	SHEET 910	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_SURCHARGE.DWG
LAYOUT NAME - 11

PLOT DATE : 10/14/2022 8:28 AM PLOT BY : BRAD CUNNINGHAM PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

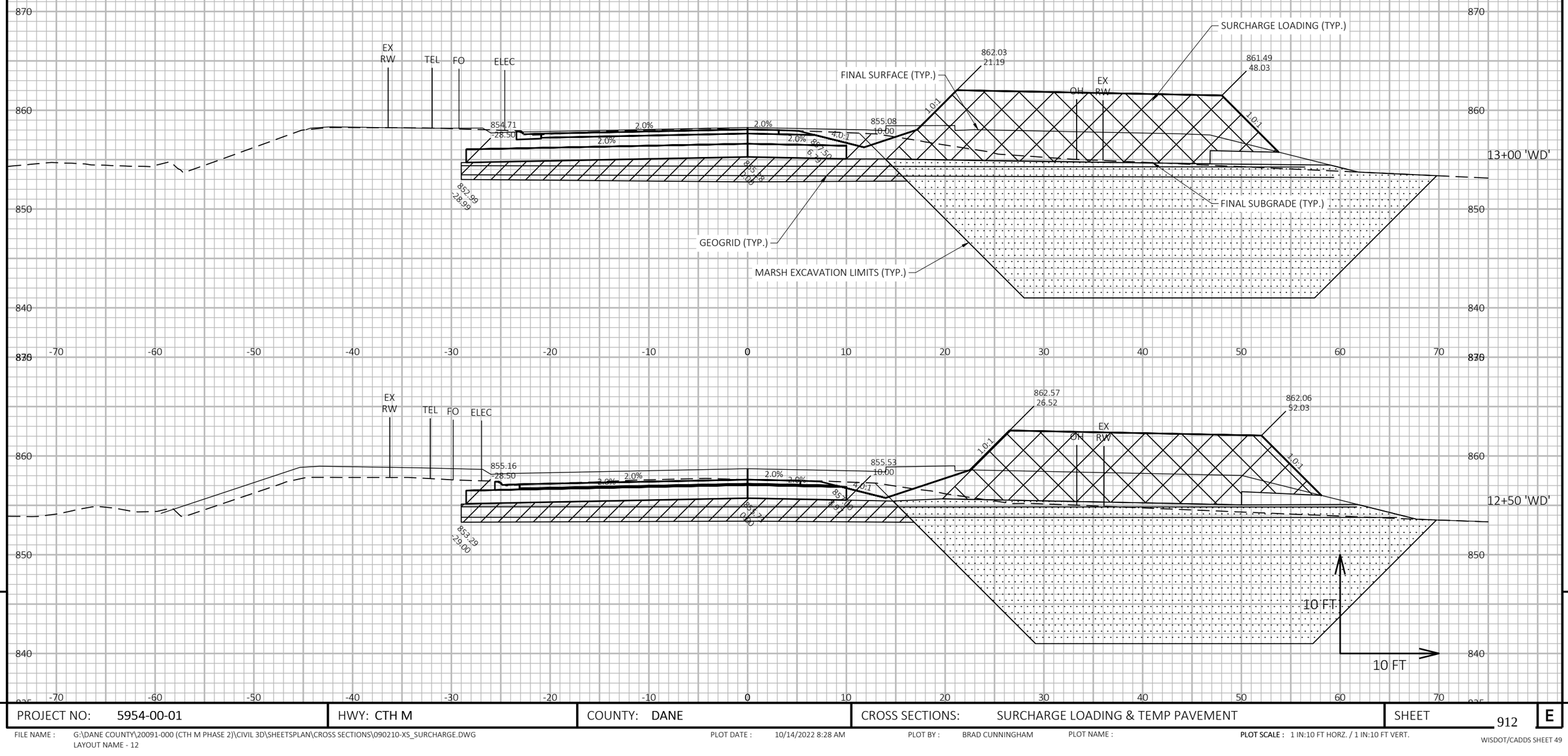


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: SURCHARGE LOADING	SHEET 911	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_SURCHARGE.DWG
LAYOUT NAME - 11 (2)

PLOT DATE : 10/14/2022 8:28 AM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

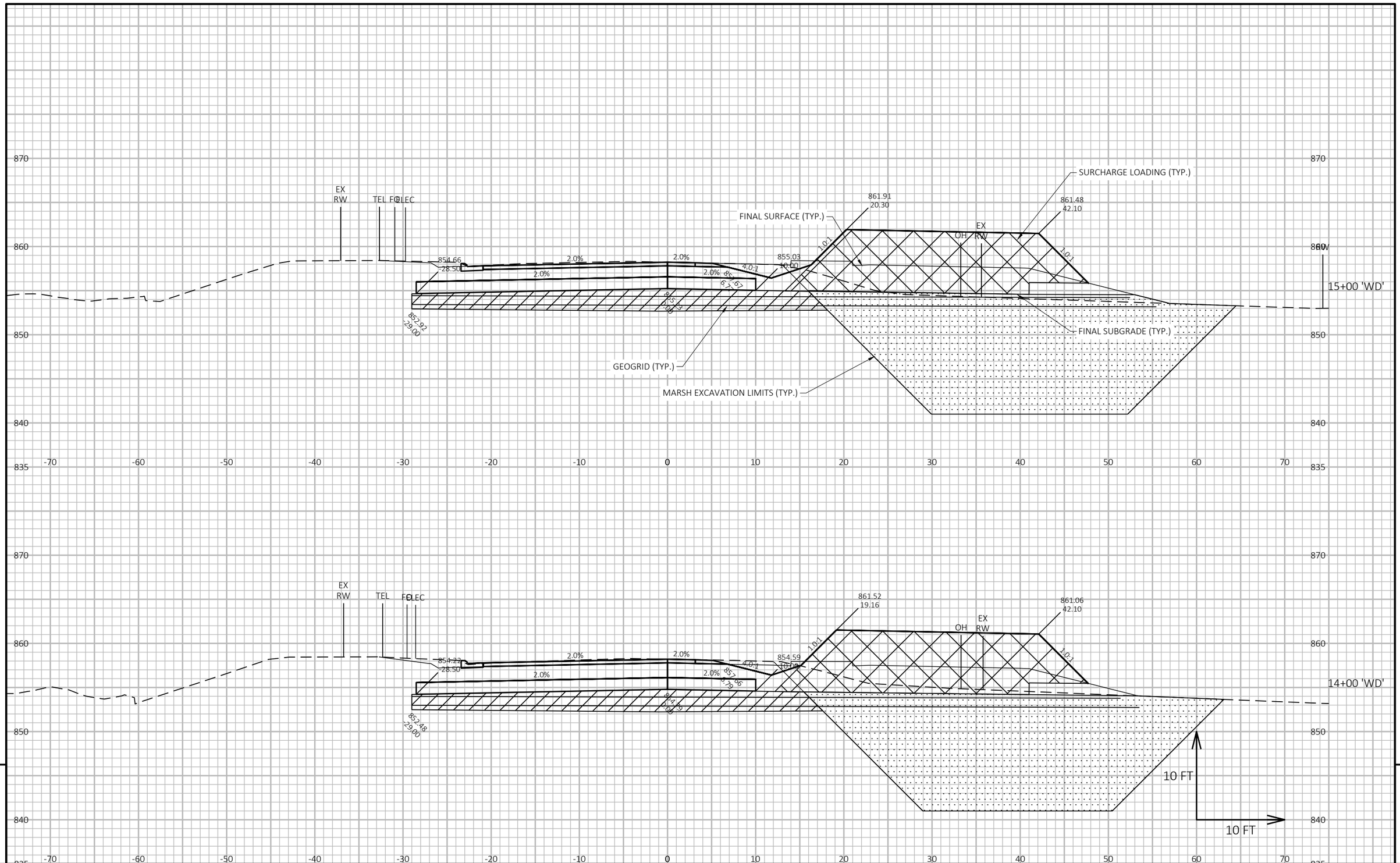


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: SURCHARGE LOADING & TEMP PAVEMENT	SHEET 912 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_SURCHARGE.DWG
LAYOUT NAME - 12

PLOT DATE : 10/14/2022 8:28 AM PLOT BY : BRAD CUNNINGHAM PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

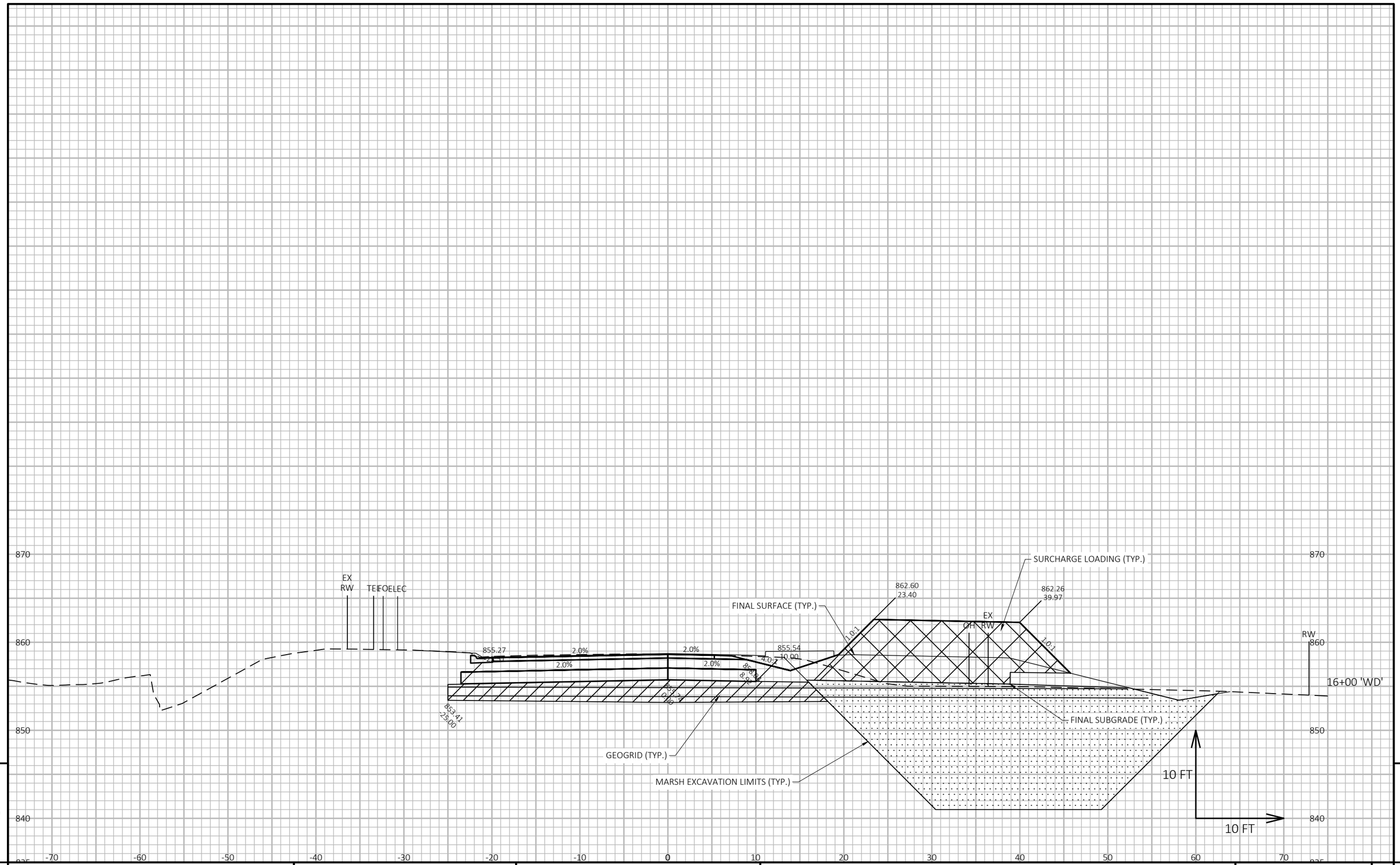


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: SURCHARGE LOADING & TEMP PAVEMENT	SHEET 913 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_SURCHARGE.DWG
LAYOUT NAME - 13

PLOT DATE : 10/14/2022 8:28 AM PLOT BY : BRAD CUNNINGHAM PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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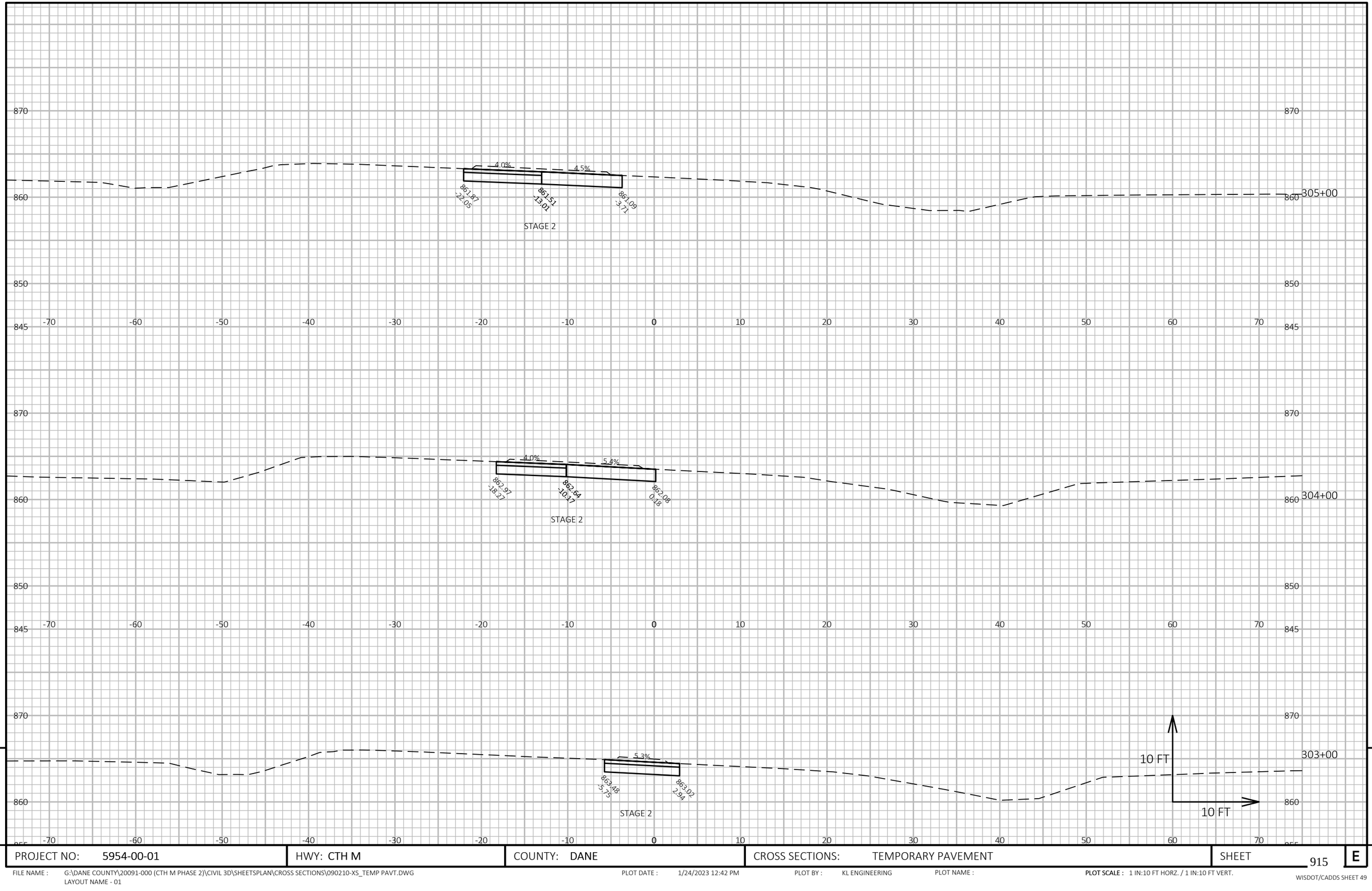
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: SURCHARGE LOADING & TEMP PAVEMENT	SHEET 914	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_SURCHARGE.DWG
LAYOUT NAME - 14

PLOT DATE : 10/14/2022 8:28 AM PLOT BY : BRAD CUNNINGHAM PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: TEMPORARY PAVEMENT	SHEET 915	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_TEMP PAVT.DWG
LAYOUT NAME - 01

PLOT DATE : 1/24/2023 12:42 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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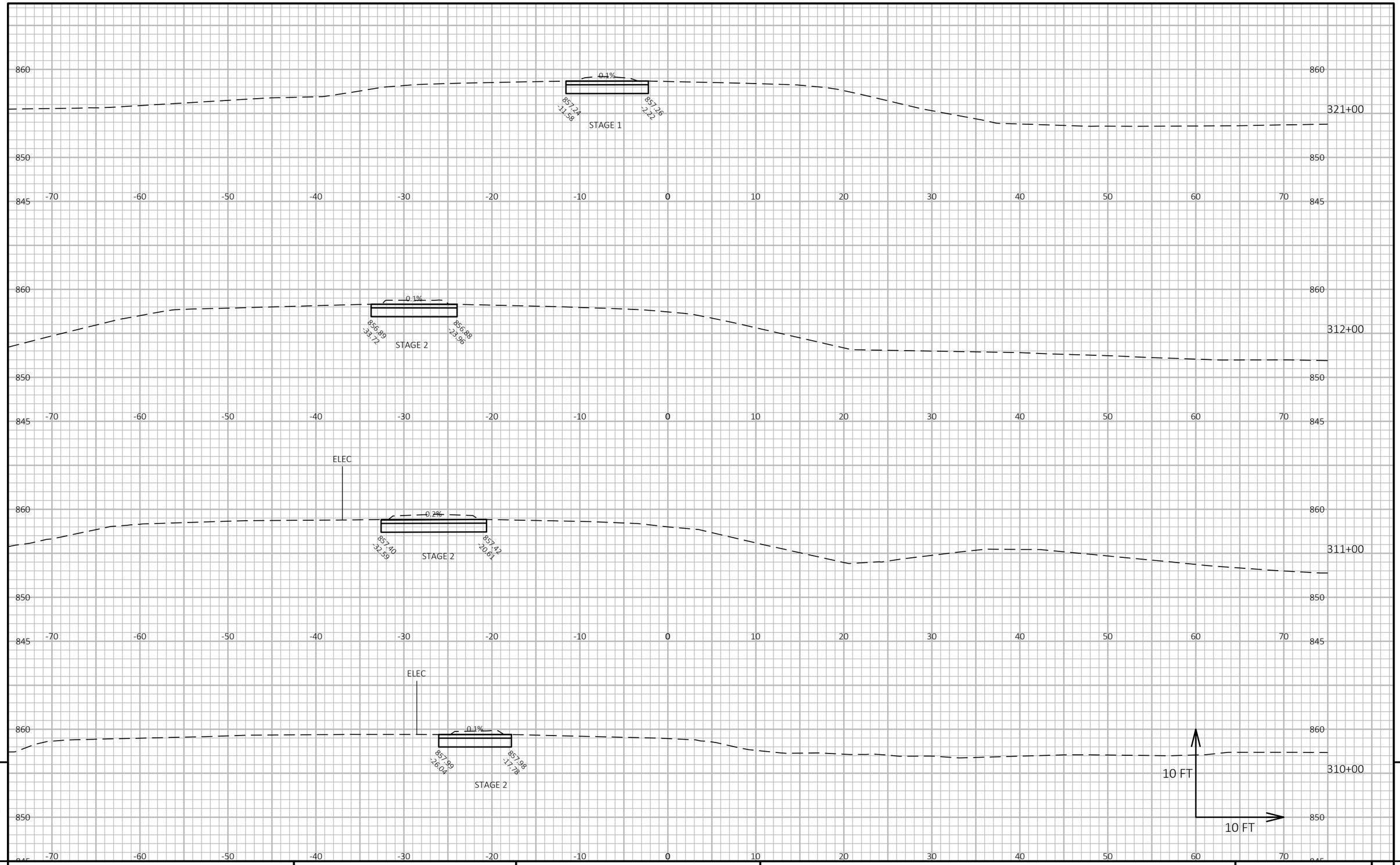
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: TEMPORARY PAVEMENT	SHEET 916	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_TEMP PAVT.DWG
LAYOUT NAME - 02

PLOT DATE : 1/24/2023 12:43 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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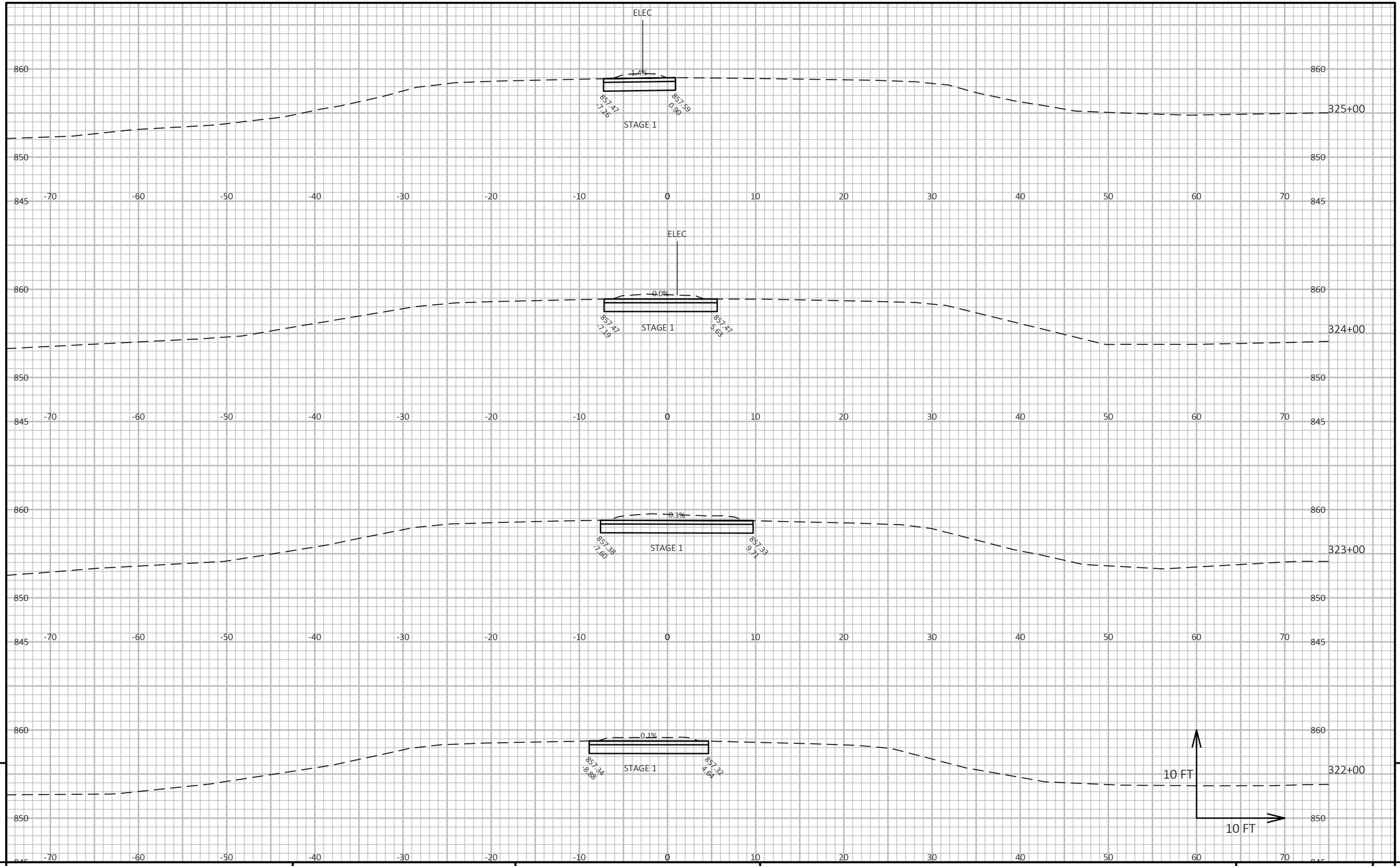
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: TEMPORARY PAVEMENT	SHEET 917	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_TEMP PAVT.DWG
LAYOUT NAME - 03

PLOT DATE : 1/24/2023 12:43 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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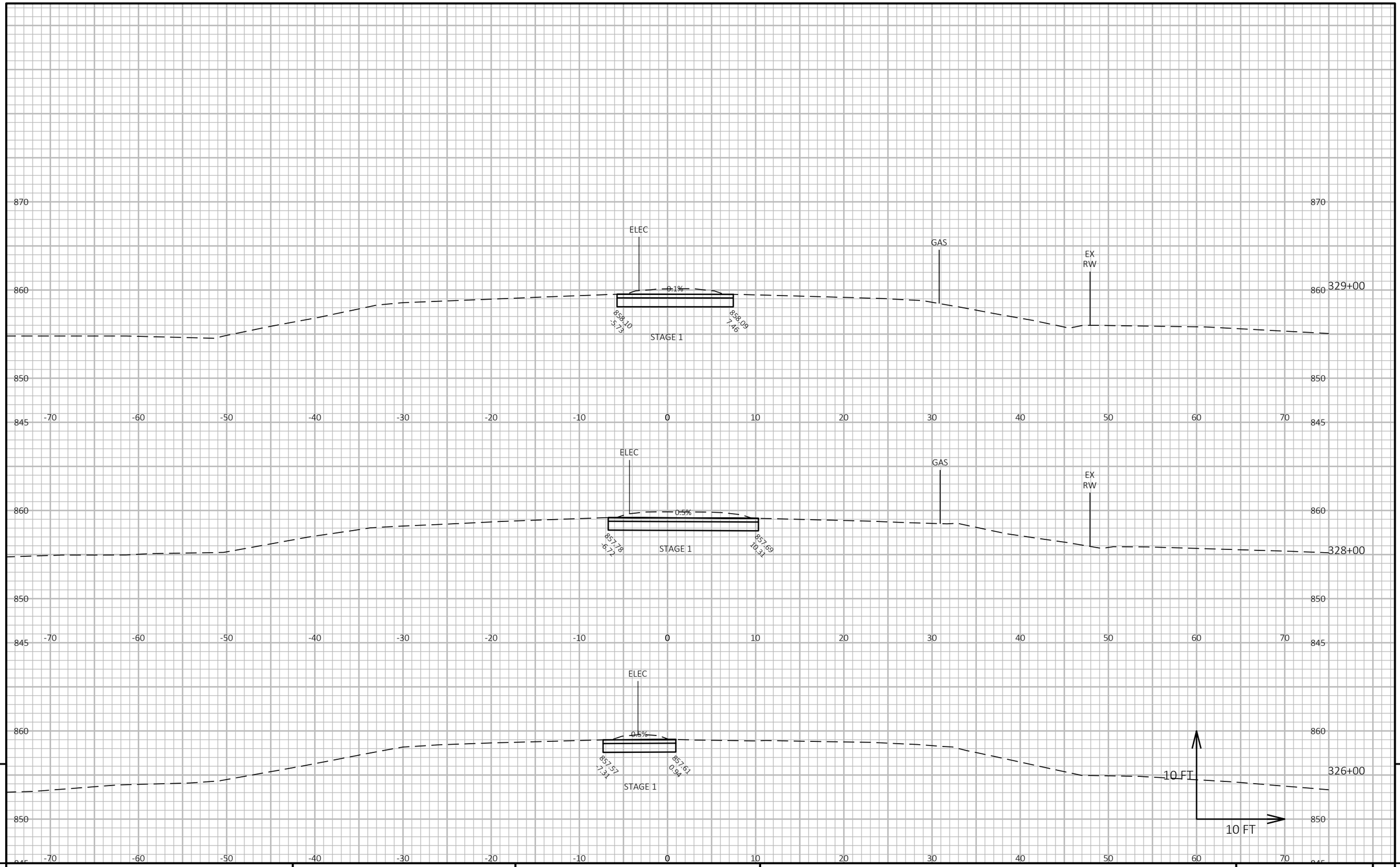
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: TEMPORARY PAVEMENT	SHEET 918	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_TEMP PAVT.DWG
LAYOUT NAME - 04

PLOT DATE : 1/24/2023 12:43 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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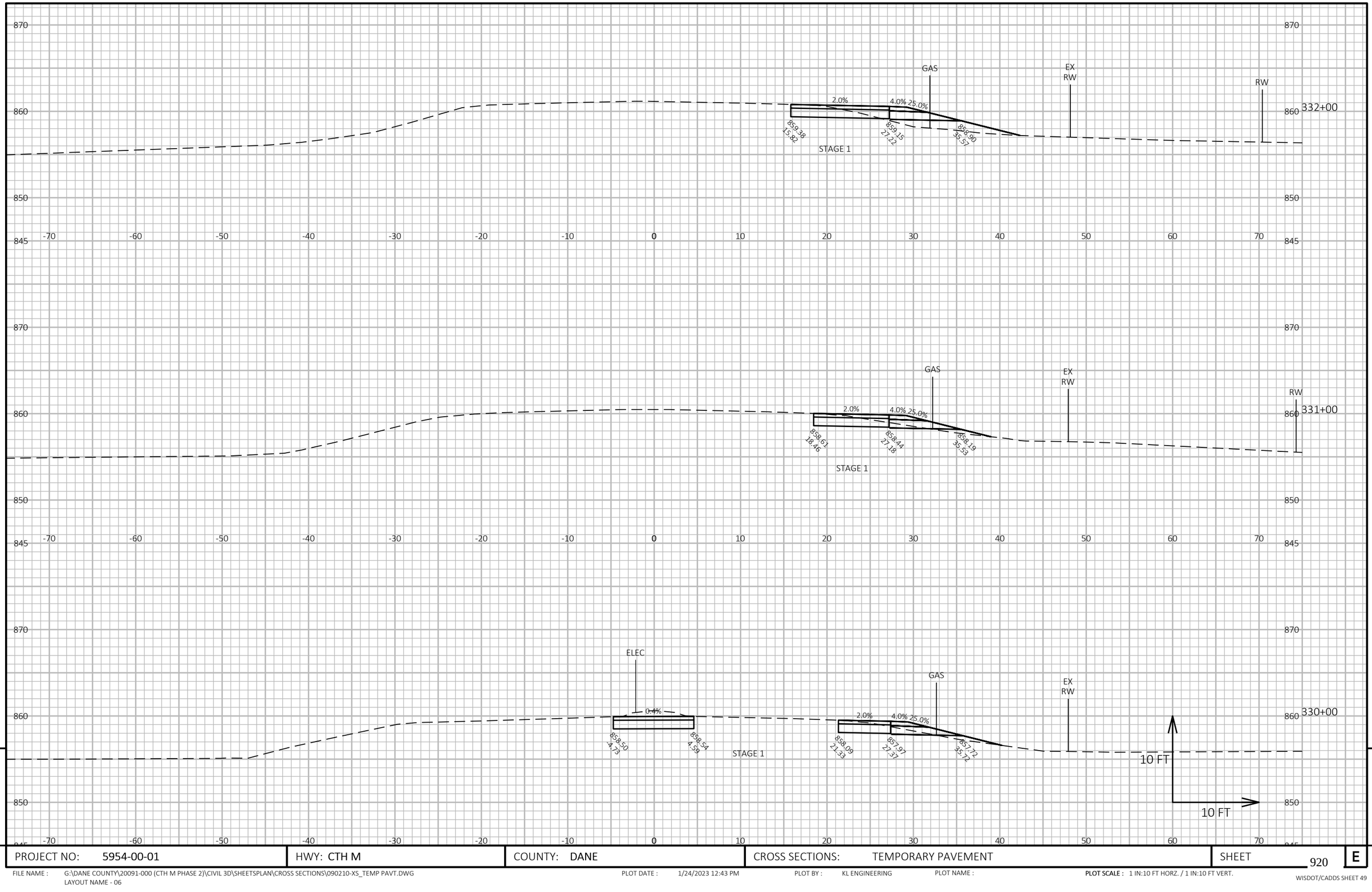
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: TEMPORARY PAVEMENT	SHEET 919	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_TEMP PAVT.DWG
LAYOUT NAME - 05

PLOT DATE : 1/24/2023 12:43 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

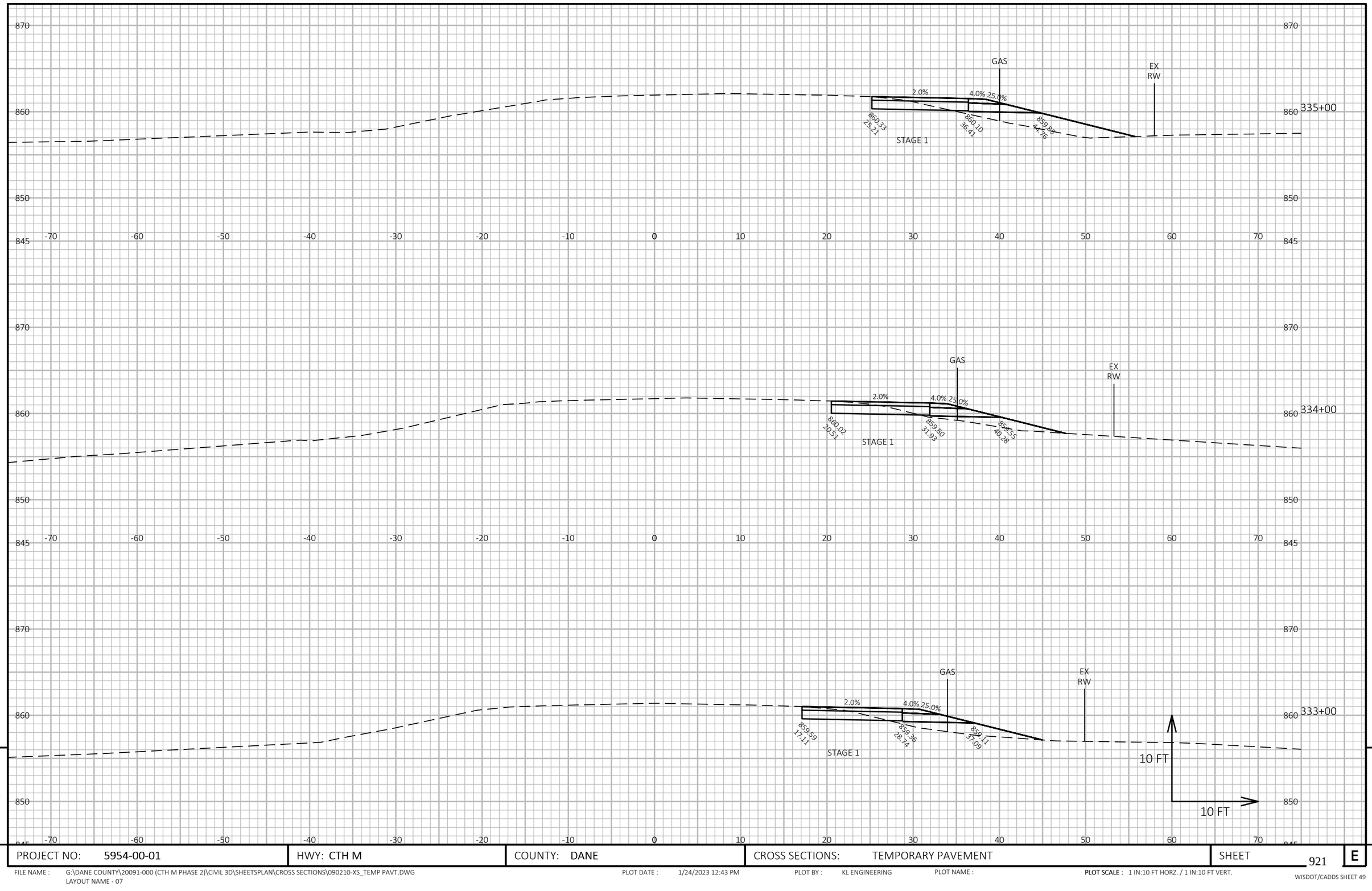
WISDOT/CADDS SHEET 49



PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: TEMPORARY PAVEMENT	SHEET 920 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_TEMP PAVT.DWG
LAYOUT NAME - 06

PLOT DATE : 1/24/2023 12:43 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

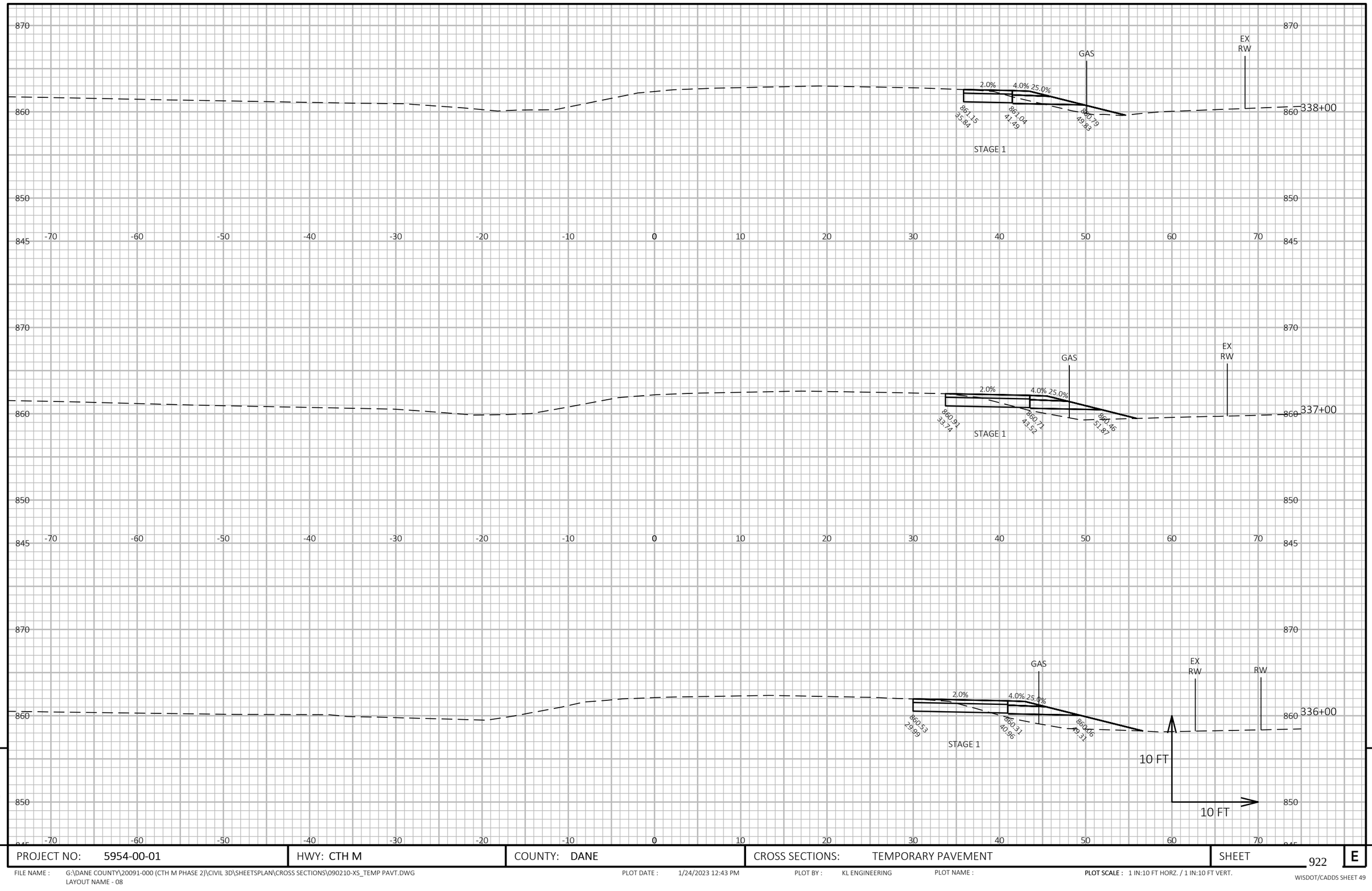


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: TEMPORARY PAVEMENT	SHEET 921 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_TEMP PAVT.DWG
LAYOUT NAME - 07

PLOT DATE : 1/24/2023 12:43 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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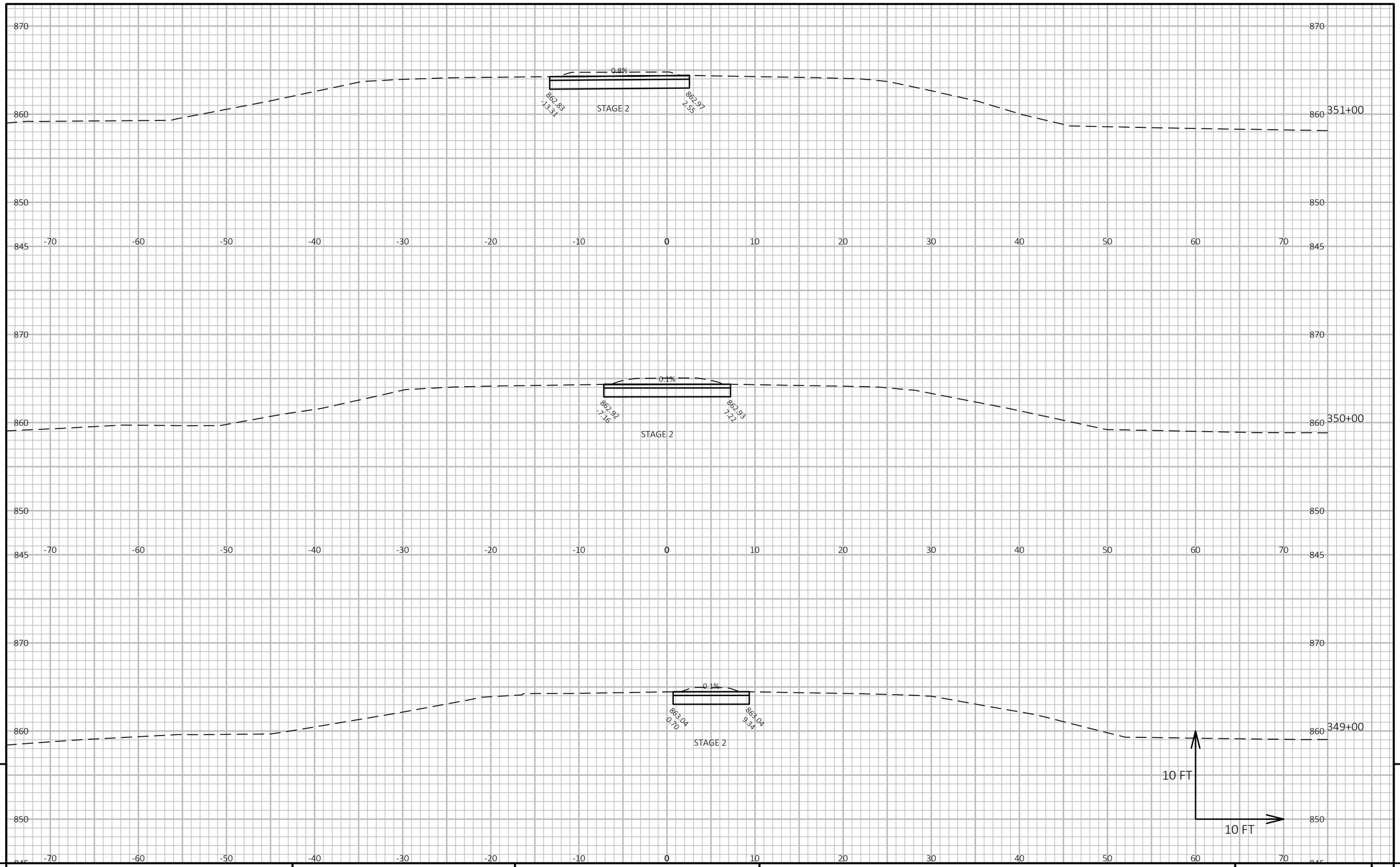
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: TEMPORARY PAVEMENT	SHEET 922	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_TEMP PAVT.DWG
LAYOUT NAME - 08

PLOT DATE : 1/24/2023 12:43 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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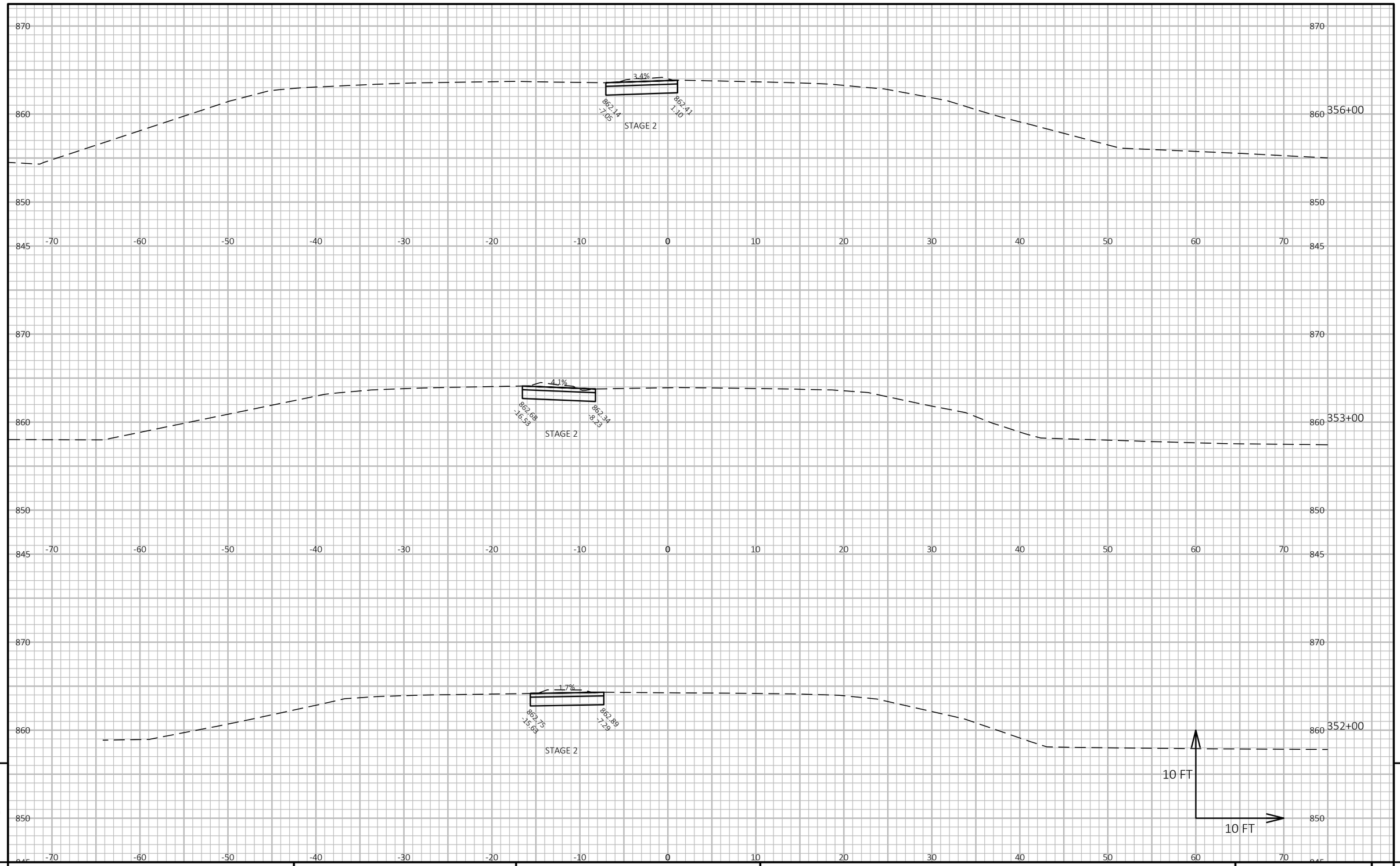
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: TEMPORARY PAVEMENT	SHEET 923	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_TEMP PAVT.DWG
LAYOUT NAME - 09

PLOT DATE : 1/24/2023 12:43 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

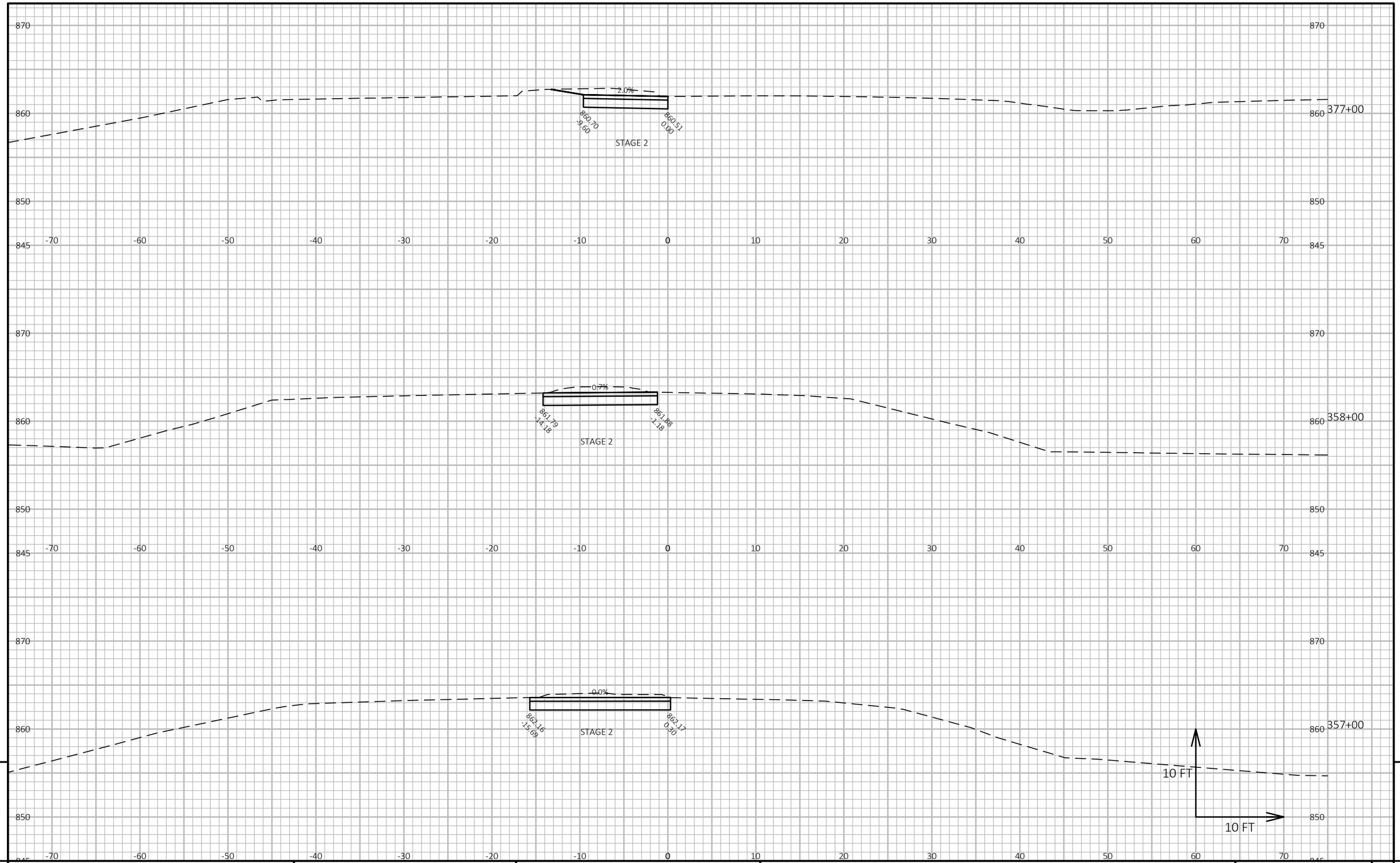


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: TEMPORARY PAVEMENT	SHEET 924	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_TEMP PAVT.DWG
LAYOUT NAME - 10

PLOT DATE : 1/24/2023 12:43 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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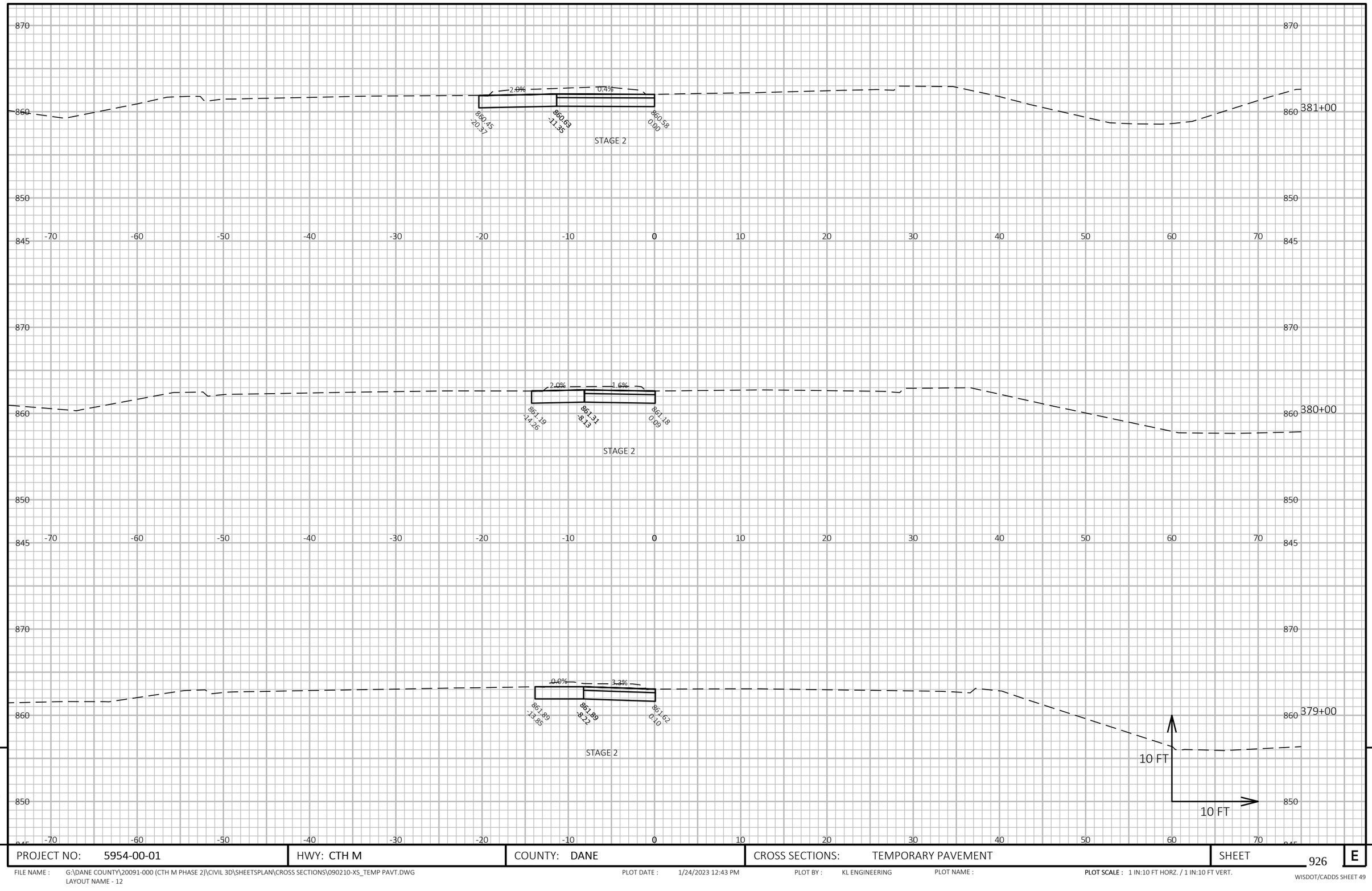
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: TEMPORARY PAVEMENT	SHEET 925	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_TEMP PAVT.DWG
LAYOUT NAME - 11

PLOT DATE : 1/24/2023 12:43 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

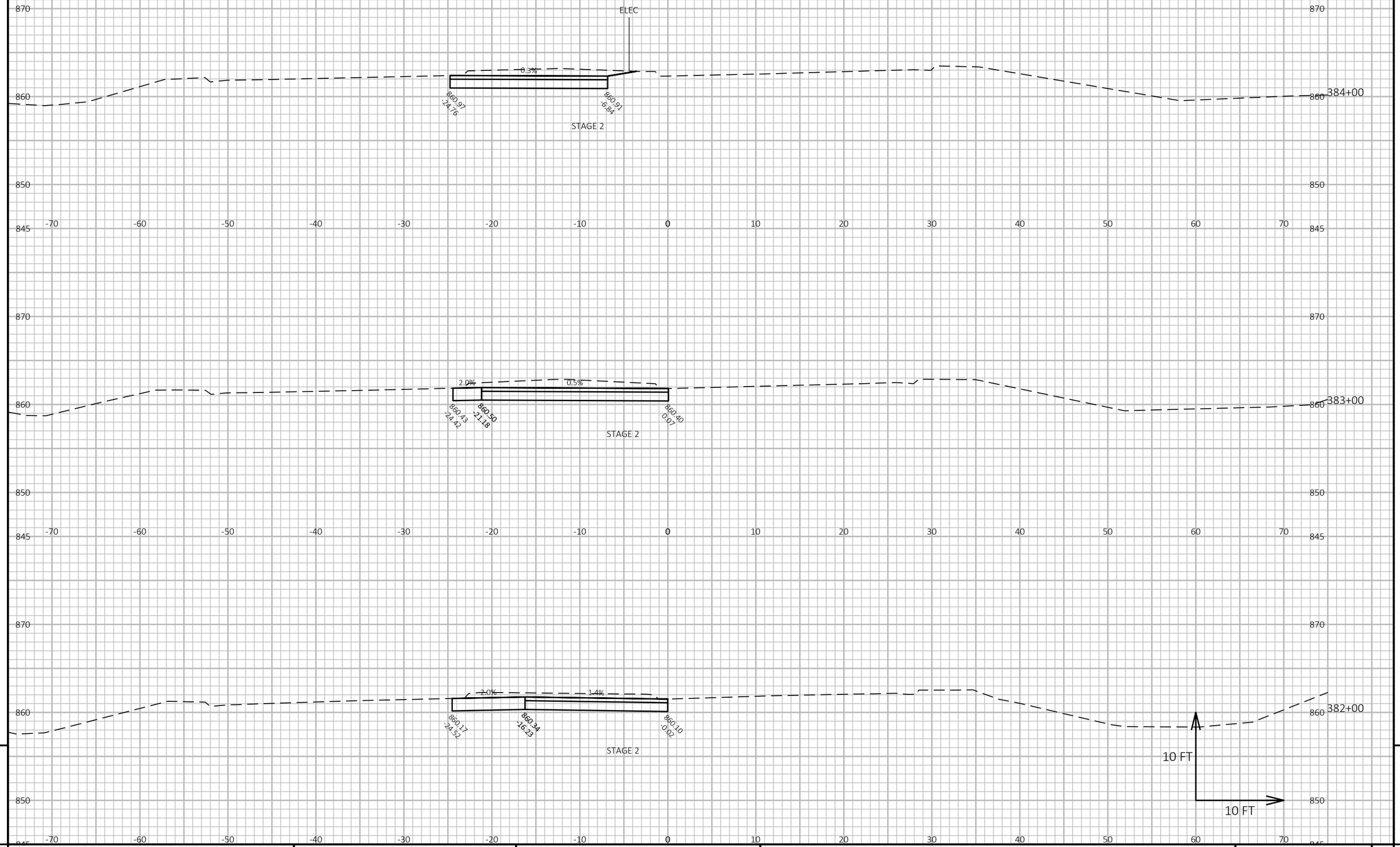


PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: TEMPORARY PAVEMENT	SHEET 926 E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_TEMP PAVT.DWG
LAYOUT NAME - 12

PLOT DATE : 1/24/2023 12:43 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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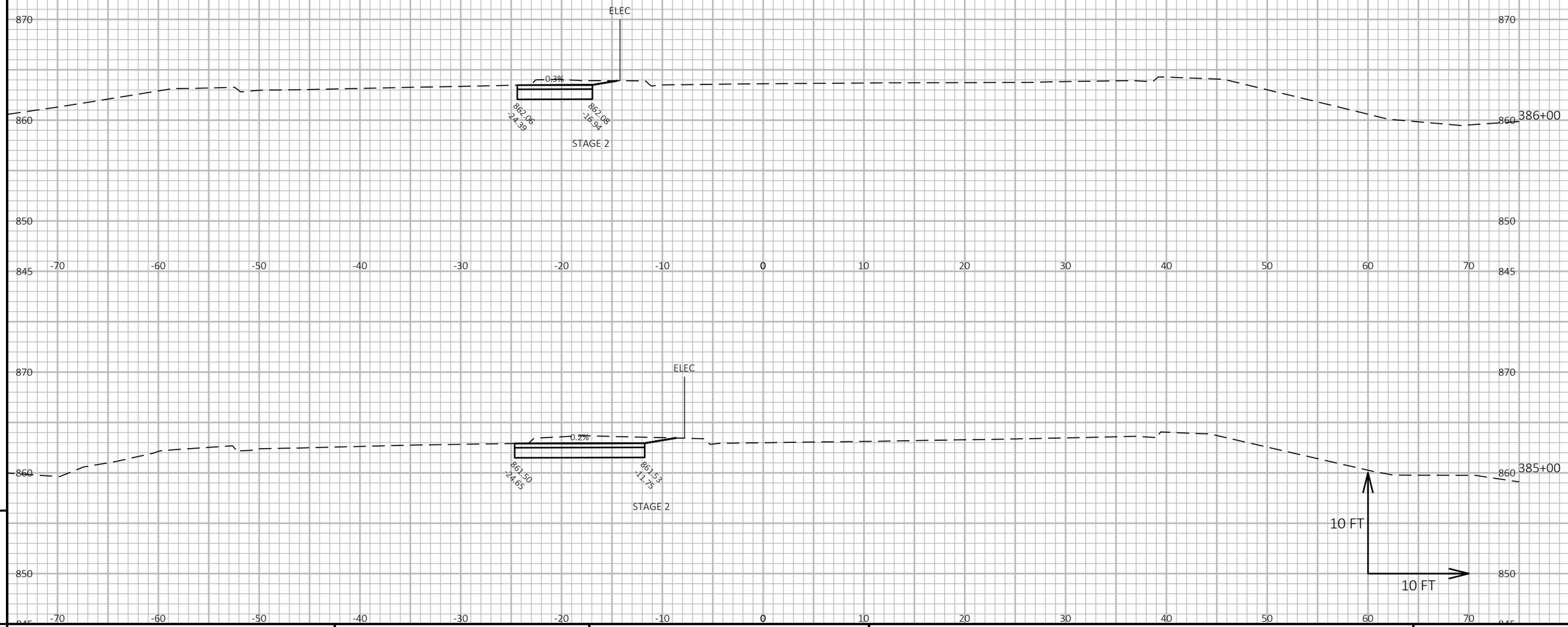
PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: TEMPORARY PAVEMENT	SHEET 927	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_TEMP PAVT.DWG
LAYOUT NAME - 13

PLOT DATE : 1/24/2023 12:43 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5954-00-01	HWY: CTH M	COUNTY: DANE	CROSS SECTIONS: TEMPORARY PAVEMENT	SHEET 928	E

FILE NAME : G:\DANE COUNTY\20091-000 (CTH M PHASE 2)\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090210-XS_TEMP PAVT.DWG
LAYOUT NAME - 14

PLOT DATE : 1/24/2023 12:44 PM PLOT BY : KL ENGINEERING PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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