MAD

PROJECT ID: 5845-16-75

WITH: N/A

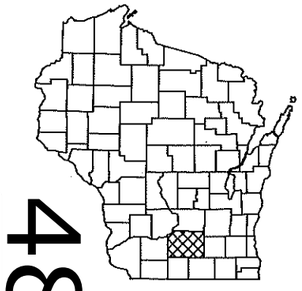
COUNTY: DANE

DECEMBER 2026

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control Details)
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 = 538



N

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STOUGHTON - MADISON

CTH B/AB TO TOWER ROAD

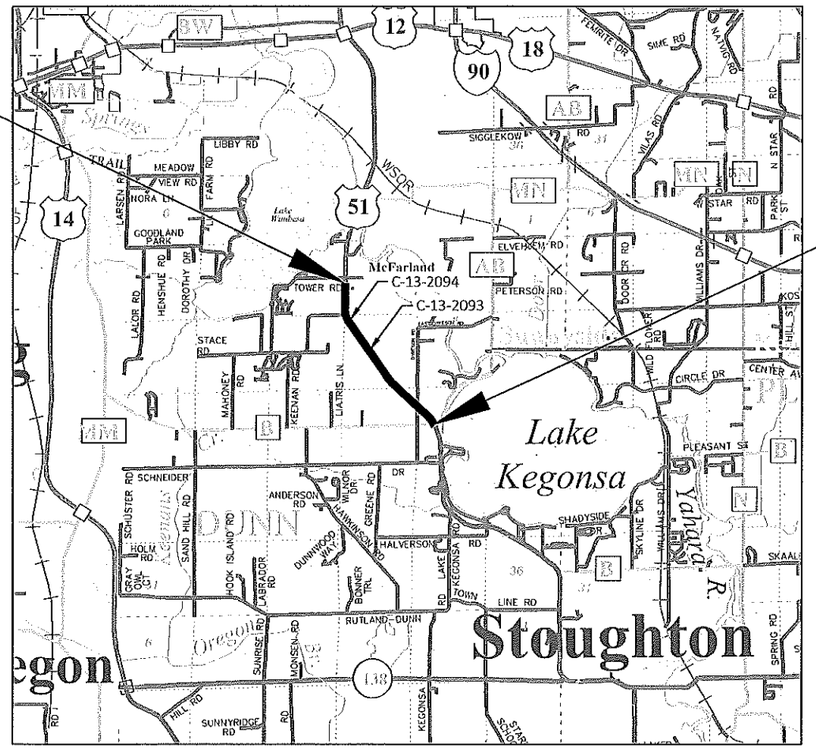
USH 51

DANE COUNTY

STATE PROJECT NUMBER
5845-16-75

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5845-16-75	WISC 2027003	1

END PROJECT
STA 810+84.03 NB



BEGIN PROJECT
STA 688+01.90 NB
Y=444,424.77
X=848,090.96

LAYOUT
SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 2.326 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEMS (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 18.

DESIGN DESIGNATION 5845-16-04

A.A.D.T.	(2027)	=	14,300
A.A.D.T.	(2047)	=	15,400
D.H.V.	(2047)	=	1,618
D.D.	(2047)	=	67/33
T.		=	4.51%
DESIGN SPEED		=	60 MPH
ESALS		=	2,100,000

CONVENTIONAL SYMBOLS

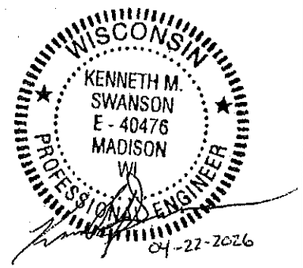
PLAN
- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'EB')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE
- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (955.36)
- 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

ORIGINAL PLANS PREPARED BY:

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



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	STRAND ASSOCIATES, INC.
Designer	STRAND ASSOCIATES, INC.
Project Manager	KEVIN DRUNASKY, P.E.
Regional Examiner	WISDOT SOUTHWEST REGION
Regional Supervisor	KYLE HEMP, P.E.

APPROVED FOR THE DEPARTMENT
DATE: 4/22/26 (Signature)

E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\010101-TI.DWG PLOT DATE : 4/14/2026 2:26 PM PLOT BY : HABERKORN, DEVEN PLOT NAME :

UTILITIES CONTACTS

* NICHOLAS DACHNIWSKYJ
ALLIANT ENERGY - ELECTRICITY
935 WBR TOWNLINE ROAD
BELOIT, WI 53511
PHONE: (608) 364-6566
NICHOLASDACHNIWSKYJ@ALLIANTENERGY.COM

* NICHOLAS DACHNIWSKYJ
ALLIANT ENERGY - GAS/PETROLEUM
935 WBR TOWNLINE ROAD
BELOIT, WI 53511
PHONE: (608) 364-6566
NICHOLASDACHNIWSKYJ@ALLIANTENERGY.COM

* JASON JENSEN
ANR PIPELINE CO - GAS/PETROLEUM
6827 N. CONSOLIDATED SCHOOL ROAD
JANESVILLE, WI 53545-9526
PHONE: (608) 449-4640
JASON_JENSEN@TCENERGY.COM

* GARRETT BARTH
AT&T WISCONSIN - COMMUNICATION LINE
70 E DIVISION ST
FOND DU LAC, WI 54935
PHONE: (262) 388-8945
GB1789@ATT.COM

* DOUG VOSBERG
ATC MANAGEMENT, INC. - ELECTRICITY-TRANSMISSION
2489 RINDEN ROAD
COTTAGE GROVE, WI 53527
PHONE: (608) 877-7650
DVOSBERG@ATCLLC.COM

* ABIGAIL BEATTIE
BLUEBIRD FIBER - COMMUNICATION LINE
324 E WISCONSIN AVE, SUITE 730
MILWAUKEE, WI 53202
PHONE: (262) 442-9427
WI.RELOCATIONS@BLUEBIRDFIBER.COM

* CHRISTOPHER BLUMER
FRONTIER COMMUNICATIONS OF WI LLC - COMMUNICATION LINE
451 BROADWAY
SUN PRAIRIE, WI 53590
PHONE: (608) 622-3807
CHRISTOPHER.BLUMER@FTR.COM

* BRIAN SHOTLIFF
KEGONSA SANITARY DISTRICT - SEWER
2240 US HIGHWAY 51
P.O. BOX 486
STOUGHTON, WI 53589-0486
PHONE: (608) 873-0230
MOBILE: (608) 846-6026
SERVICEOPERATOR@KEGONSASANITARYDISTRICT.COM

* RJ CICATELLO
MCI COMMUNICATIONS - COMMUNICATION LINE
15725 WEST RYERSON RD
NEW BERLIN, WI 53151
PHONE: 782-9836
RANDY.CICATELLO@VERIZON.COM

* LORI KETTER
WINDSTREAM KDL, LLC - COMMUNICATION LINE
969 WAUBE LANE
GREEN BAY, WI 54304
PHONE: (920) 410-6902
LORI.KETTER@WINDSTREAM.COM

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

DNR LIAISON

ERIC HEGGELUND
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
SOUTH CENTRAL REGION HEADQUARTERS
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
PHONE: (608) 228-7927
ERIC.HEGGELUND@WISCONSIN.GOV

DESIGN CONSULTANT CONTACT

KEN SWANSON, P.E.
STRAND ASSOCIATES, INC.
910 WEST WINGRA DRIVE
MADISON, WI 53715
PHONE: (608) 251-4843
KEN.SWANSON@STRAND.COM

WISDOT REGION CONTACT

KEVIN DRUNASKY, P.E.
WISDOT SOUTHWEST REGION
2101 WRIGHT STREET
MADISON, WI 53704
PHONE: (608) 246-3811
KEVIN.DRUNASKY@DOT.WI.GOV

HMA PAVEMENT SUMMARY TABLE

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

USH 51 MAINLINE & MAHONEY ROAD SHOULDERS (4-INCHES)		
LAYER	THICKNESS	BID ITEMS
UPPER	2-INCHES	4 LT 58-28 S
LOWER	2-INCHES	4 LT 58-28 S
MAHONEY ROAD (4.5-INCHES)		
LAYER	THICKNESS	BID ITEMS
UPPER	2-INCHES	4 MT 58-28 S
LOWER	2.5-INCHES	4 MT 58-28 S
DYRESON ROAD/GROUNDSWELL WAY (4-INCHES)		
LAYER	THICKNESS	BID ITEMS
UPPER	2-INCHES	4 MT 58-28 S
LOWER	2-INCHES	4 MT 58-28 S

GENERAL NOTES

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

SEE SUBSURFACE EXPLORATION REPORTS FOR SOIL BORING INFORMATION. REPORTS ARE AVAILABLE FROM WISDOT SW REGION BY CONTACTING KEVIN DRUNASKY, WISDOT DESIGN PROJECT MANAGER, AT (608) 246-3811 OR BY EMAIL AT KEVIN.DRUNASKY@DOT.WI.GOV.

ALL EXISTING SIGNS SHALL REMAIN IN PLACE UNLESS THE ENGINEER APPROVES THEIR REMOVAL. ANY SIGNS REMOVED DUE TO CONTRACTOR MEANS AND METHODS SHALL BE REPLACED BY THE CONTRACTOR AT THEIR EXPENSE.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

APPLY TACK COAT AT A RATE OF 0.05 GAL/SY BETWEEN LAYERS OF HMA PAVEMENT.

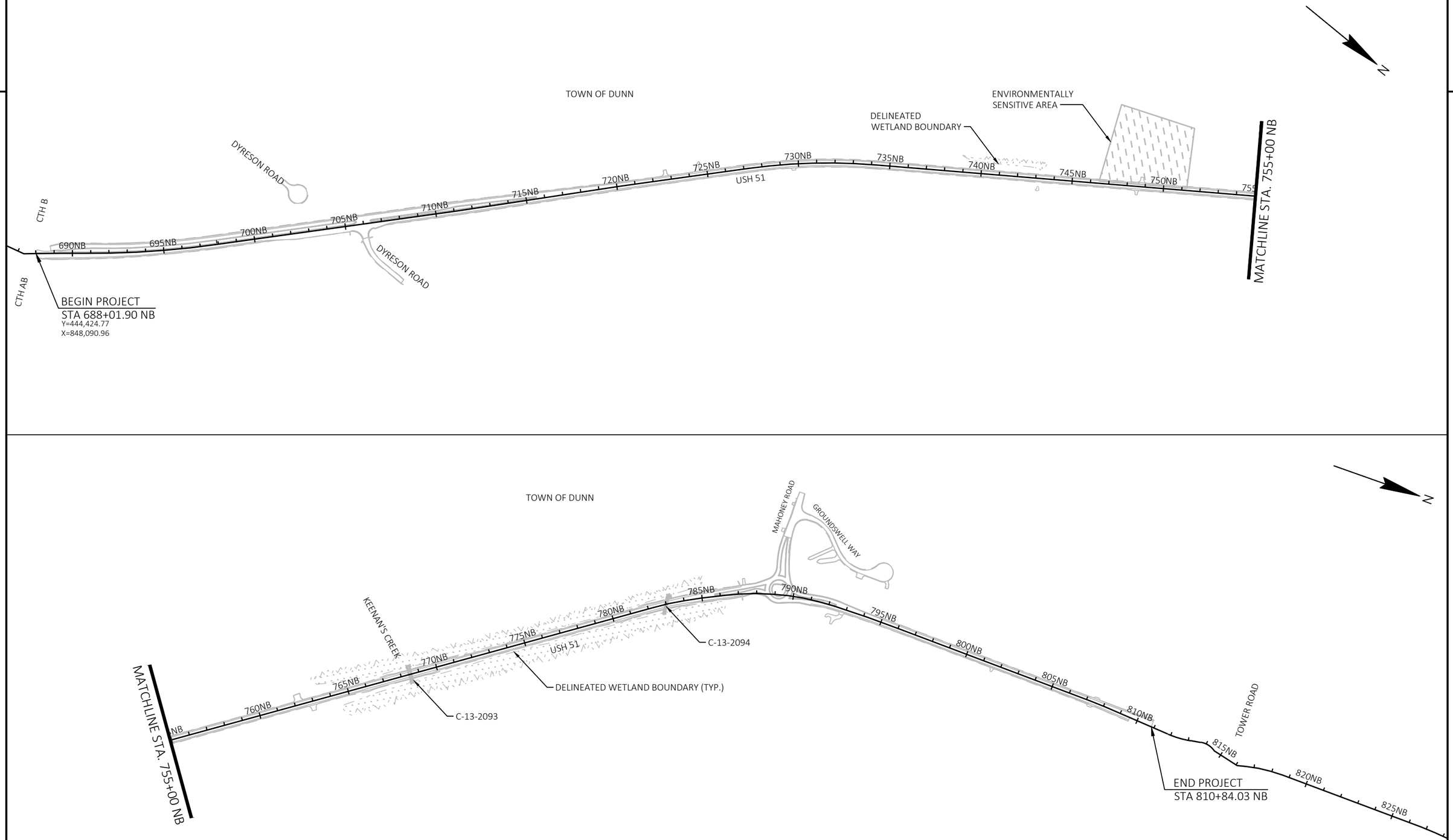
RUNOFF COEFFICIENT TABLE

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

TOTAL PROJECT AREA = 51.29 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 35.53 ACRES

ORDER OF SECTION 2 SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
INTERSECTION DETAILS
REMOVALS
PLAN DETAILS
EROSION CONTROL
STORM SEWER PLAN
PLANTING
PERMANENT SIGNING
LIGHTING PLAN
PAVEMENT MARKING
ADVANCE WARNING
FENCING
ALIGNMENT DETAILS
CONTROL POINT DATA (INCLUDING SECTION CORNERS)
BORING OVERVIEW

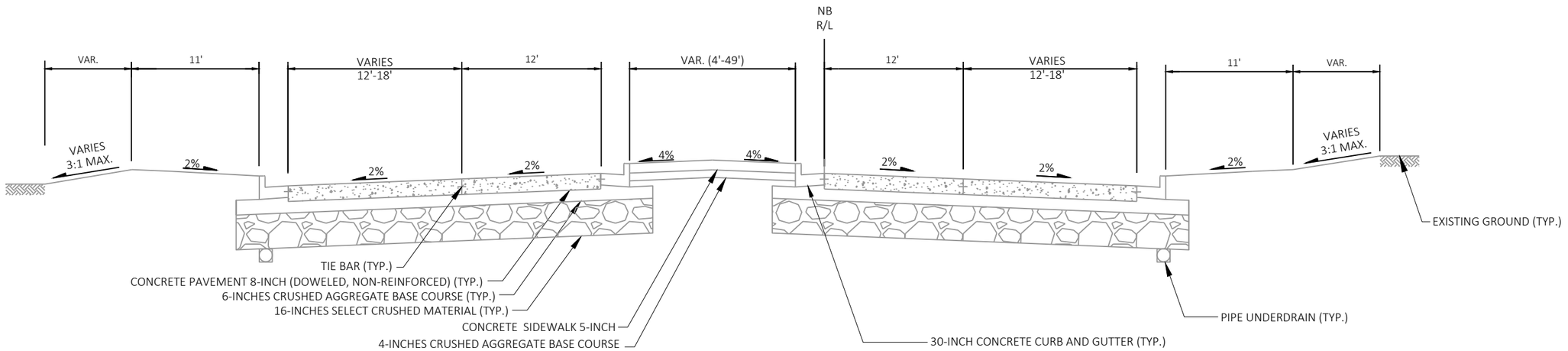


2

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PROJECT OVERVIEW	SHEET 3	E

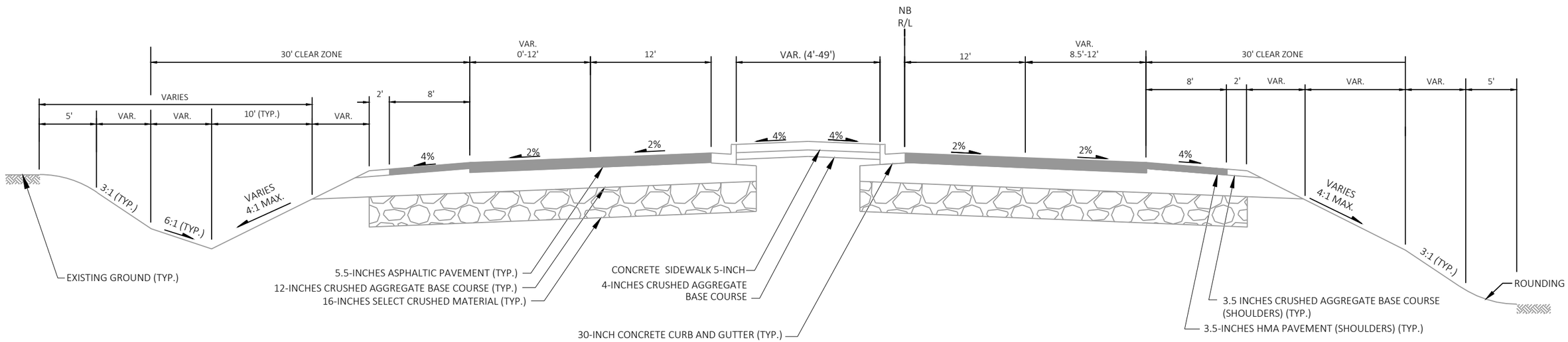
FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - 020201-po
PLOT DATE : 4/29/2026 3:54 PM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

2



EXISTING TYPICAL SECTION

STA. 688+02 NB - STA. 688+49 NB

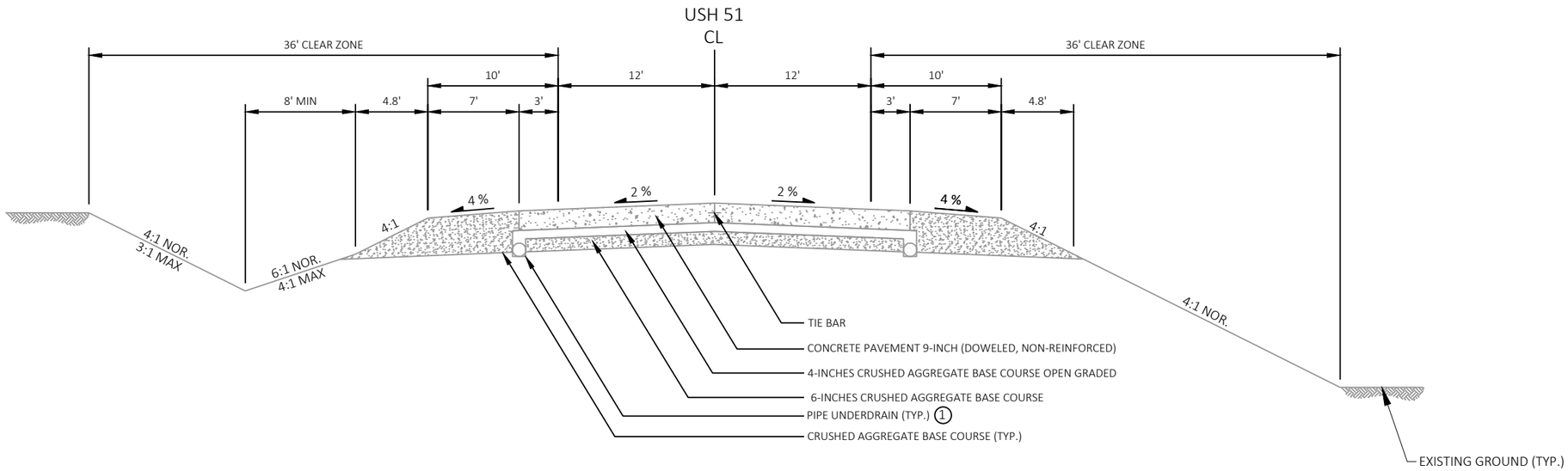


EXISTING TYPICAL SECTION

STA. 688+49 NB - STA. 691+09 NB

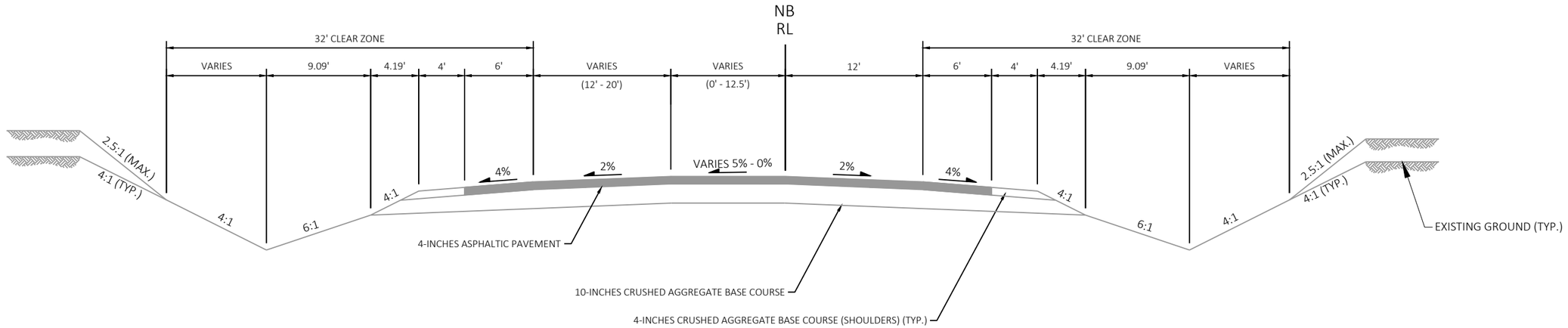
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	TYPICAL SECTIONS	SHEET 4	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020301-ts
PLOT DATE : 4/20/2026 1:23 PM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



EXISTING TYPICAL SECTION

STA. 695+65 NB TO STA. 804+99 NB



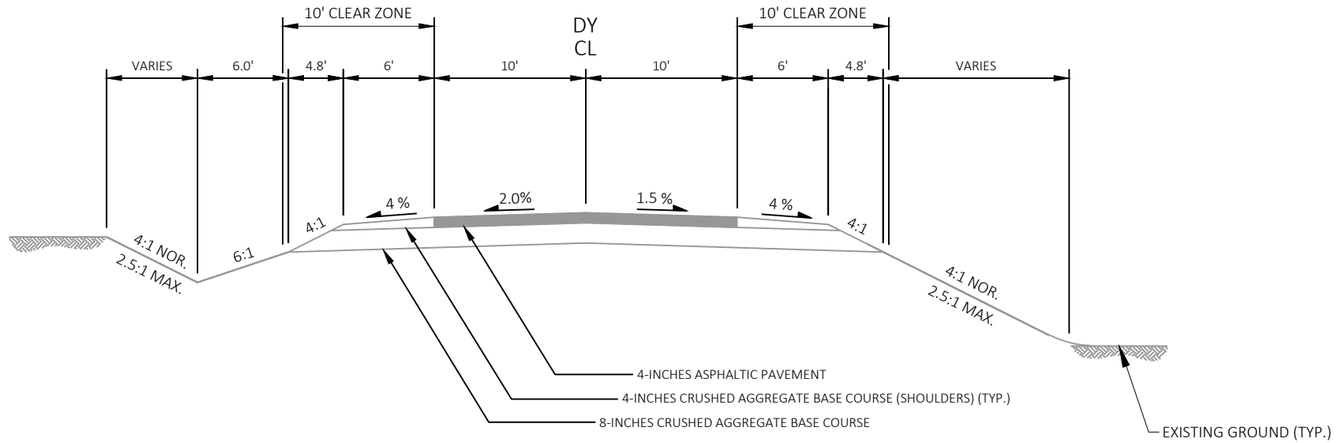
EXISTING TYPICAL SECTION

STA. 691+09 NB - STA 695+65 NB
STA. 804+99 NB - STA. 810+84 NB

1 REMOVAL OF EXISTING PIPE UNDERDRAIN AND PIPE UNDERDRAIN ENDWALLS IS INCIDENTAL TO BID ITEM EXCAVATION COMMON

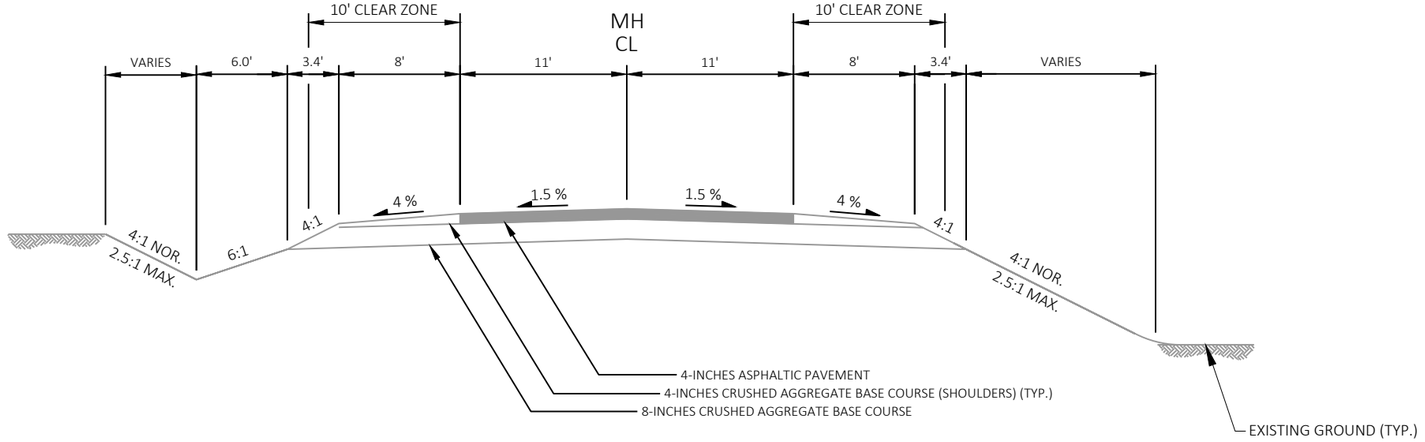
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	TYPICAL SECTIONS	SHEET 5	E

2



EXISTING TYPICAL SECTION - DYRESON ROAD

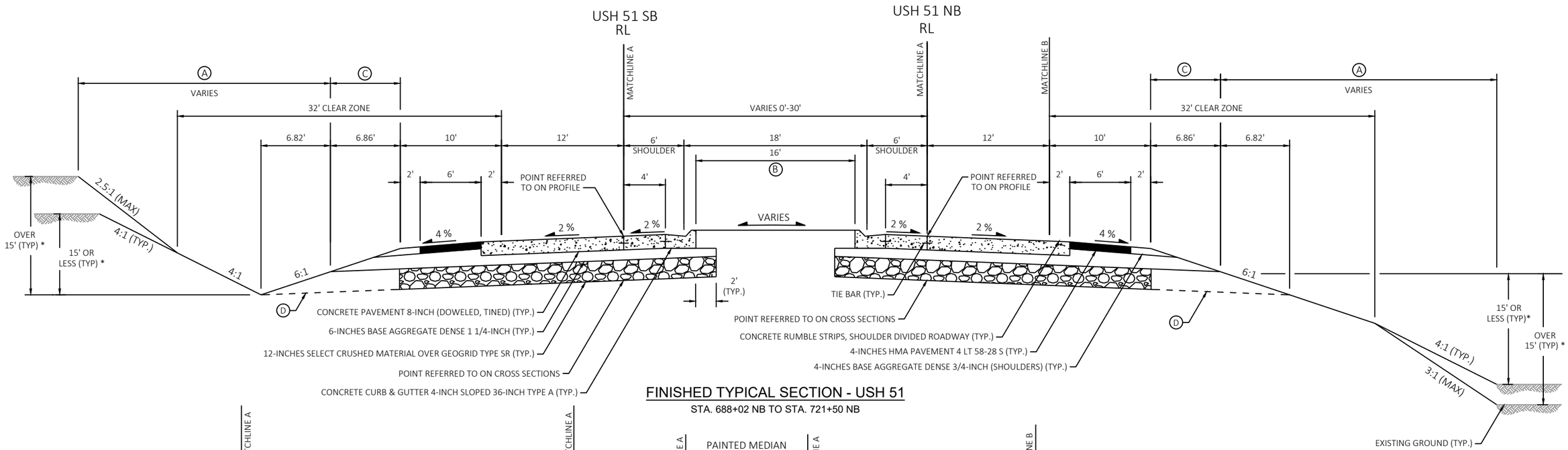
STA 10+00 DY TO STA. 13+98 DY



EXISTING TYPICAL SECTION - MAHONEY ROAD

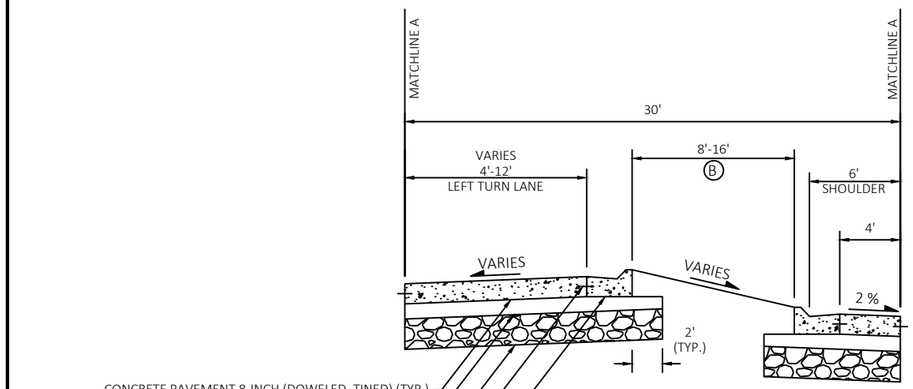
STA. 11+50 MH TO STA. 16+45 MH

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	TYPICAL SECTIONS	SHEET 6	E



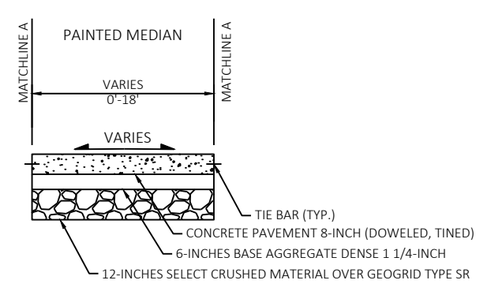
FINISHED TYPICAL SECTION - USH 51

STA. 688+02 NB TO STA. 721+50 NB



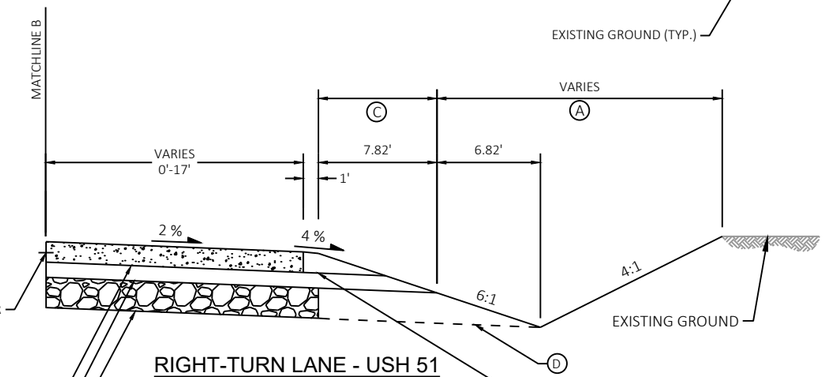
LEFT-TURN LANE - USH 51

STA. 706+38 NB TO STA. 711+63 NB



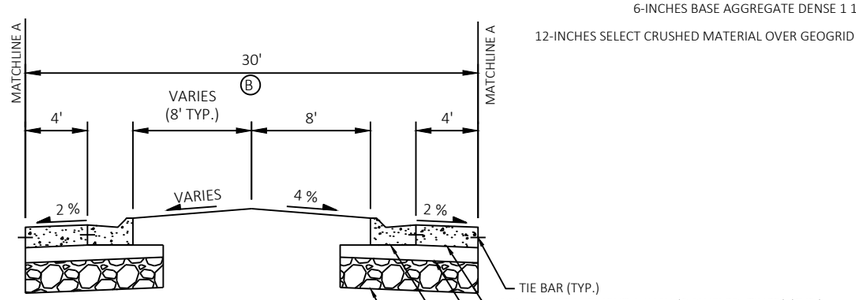
FINISHED TYPICAL SECTION - USH 51

STA. 715+57 NB TO STA. 722+02 NB



RIGHT-TURN LANE - USH 51

STA. 700+79 NB TO STA. 705+27 NB



FINISHED TYPICAL SECTION - USH 51

STA. 690+50 NB TO STA. 704+00 NB

Ⓐ TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, & EROSION MAT CLASS I TYPE B

Ⓑ TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS I TYPE A

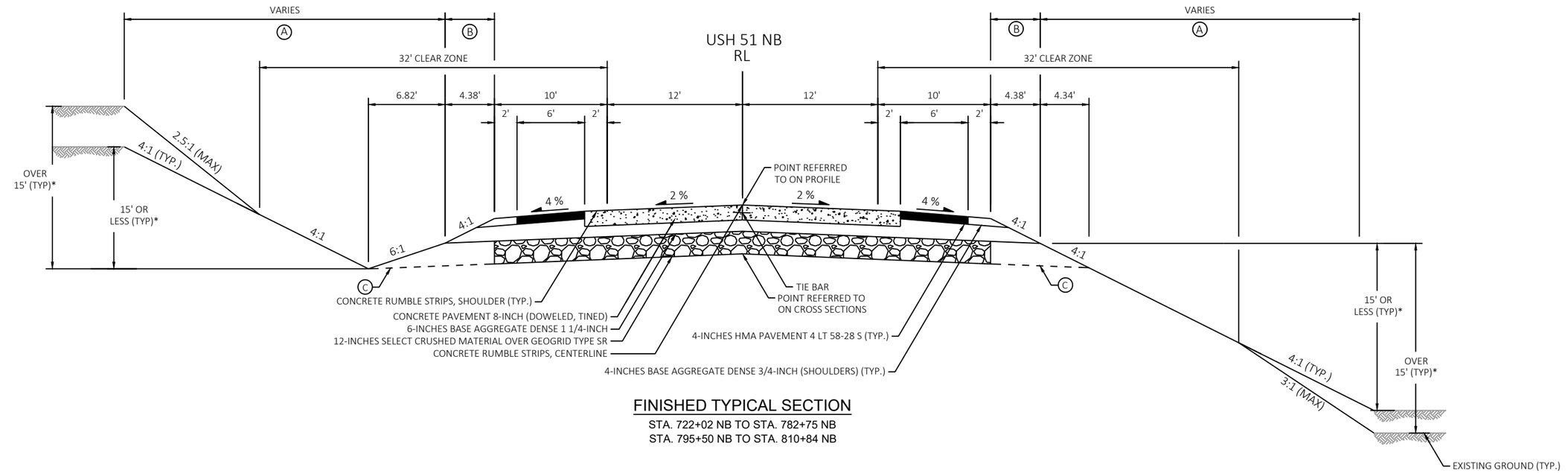
Ⓒ SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B

Ⓓ CONSTRUCT RELIEF TRENCHES AT 250' INTERVALS AND AT PROFILE LOW POINTS. DO NOT INSTALL IN HIGH SIDE OF SUPERELEVATED AREAS. SEE CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

* SEE CROSS SECTIONS FOR ADDITIONAL GRADING INFORMATION

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	TYPICAL SECTIONS	SHEET 7	E

2



FINISHED TYPICAL SECTION

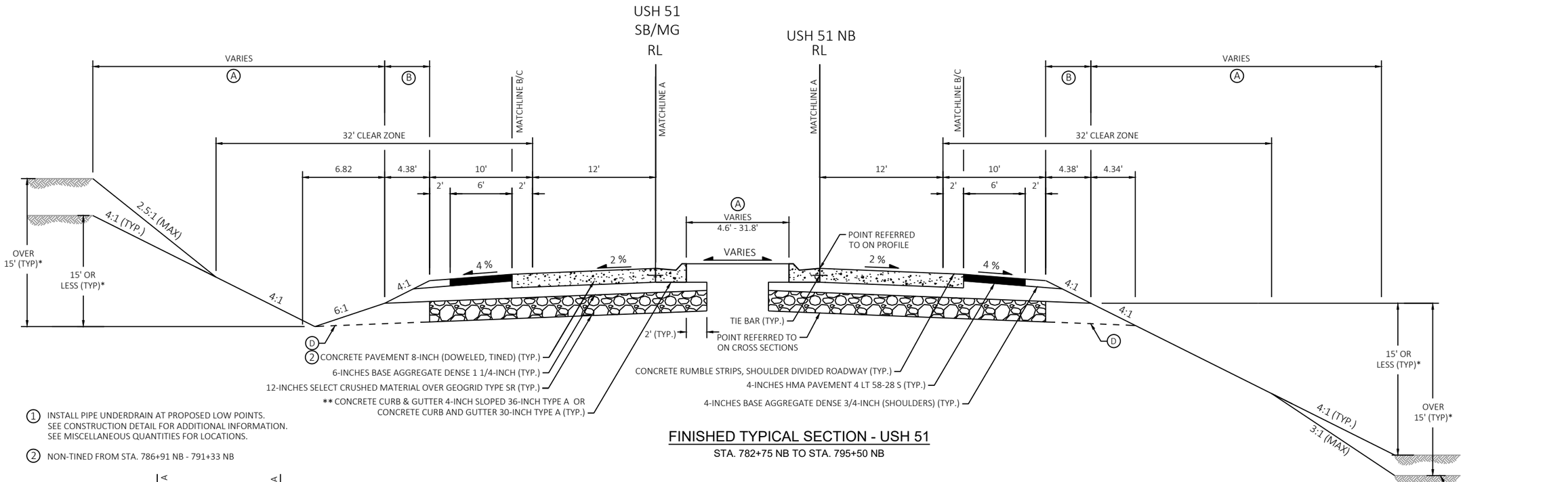
STA. 722+02 NB TO STA. 782+75 NB
STA. 795+50 NB TO STA. 810+84 NB

(A) TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, & EROSION MAT CLASS I TYPE B

(B) SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B

(C) CONSTRUCT RELIEF TRENCHES AT 250' INTERVALS AND AT PROFILE LOW POINTS. DO NOT INSTALL IN HIGH SIDE OF SUPERELEVATED AREAS. SEE CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

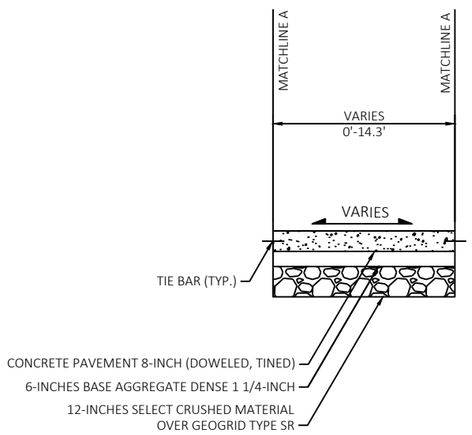
* SEE CROSS SECTIONS FOR ADDITIONAL GRADING INFORMATION



FINISHED TYPICAL SECTION - USH 51

STA. 782+75 NB TO STA. 795+50 NB

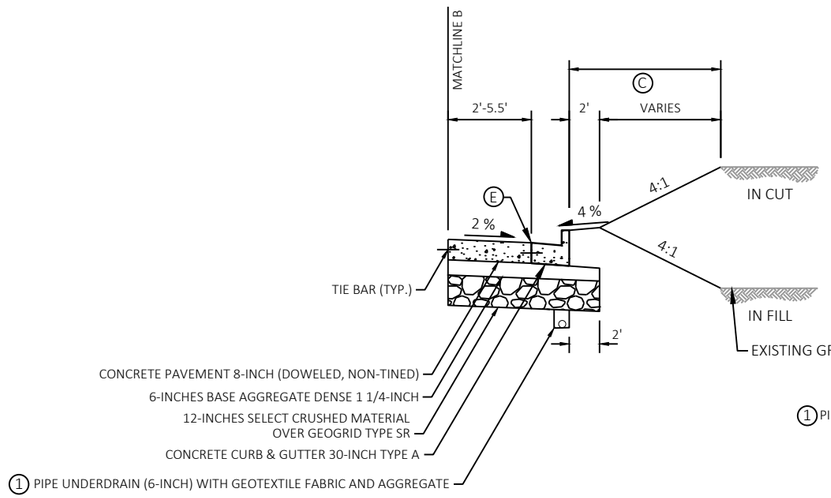
1. INSTALL PIPE UNDERDRAIN AT PROPOSED LOW POINTS. SEE CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION. SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS.
2. NON-TINED FROM STA. 786+91 NB - 791+33 NB



FINISHED TYPICAL SECTION - USH 51

STA. 782+75 NB TO STA. 785+71 NB
STA. 792+40 NB TO STA. 795+75 NB

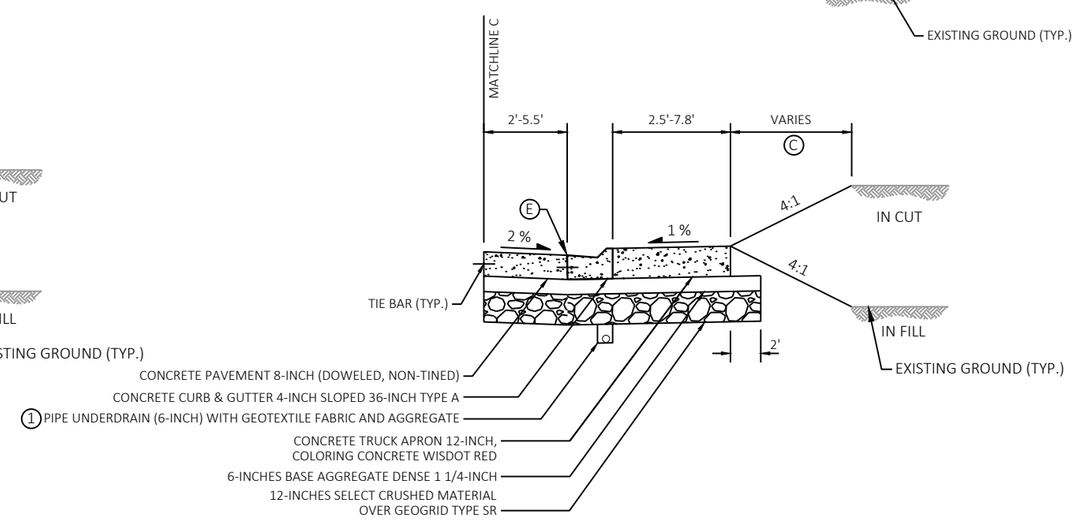
- (A) TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, & EROSION MAT CLASS I TYPE B
- (B) SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B
- (C) TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS I TYPE A
- (D) CONSTRUCT RELIEF TRENCHES AT 250' INTERVALS AND AT PROFILE LOW POINTS. DO NOT INSTALL IN HIGH SIDE OF SUPERELEVATED AREAS. SEE CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.
- (E) POINT REFERRED TO ON SUPPLEMENTAL PROFILE. SEE PLAN DETAIL SHEETS FOR ALIGNMENT INFORMATION.
- * SEE CROSS SECTIONS FOR ADDITIONAL GRADING INFORMATION
- ** SEE PLAN DETAILS FOR LOCATIONS



FINISHED TYPICAL SECTION - USH 51

(MIRRORED FOR SOUTHBOUND)

STA. 787+24 NB TO STA. 787+60 NB
STA. 789+75 NB TO STA. 791+04 NB
STA. 787+21 MG TO STA. 788+59 MG SB
STA. 790+85 MG TO STA. 795+10 MG SB



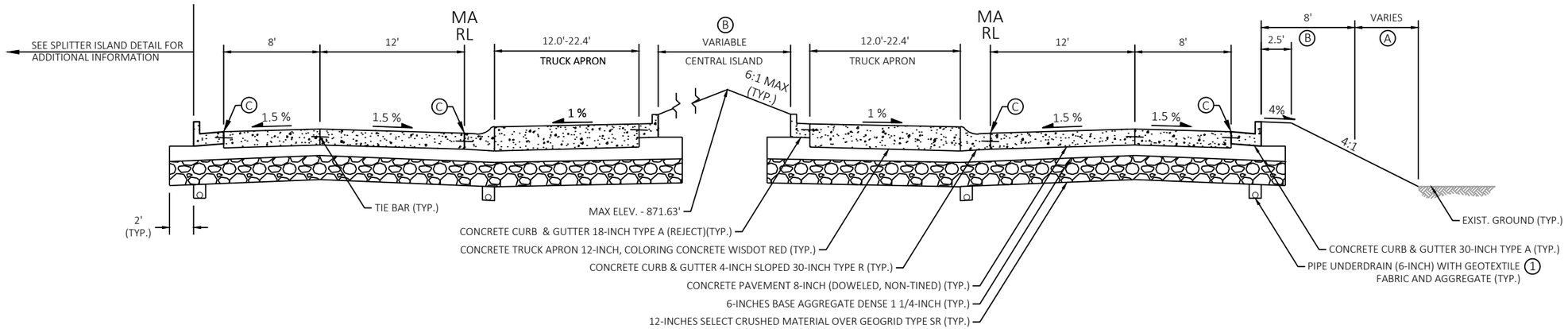
FINISHED TYPICAL SECTION - TRUCK APRON

(MIRRORED FOR SOUTHBOUND)

STA. 787+60 NB TO STA. 788+65 NB
STA. 789+93 MG SB TO STA. 790+85 MG

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	TYPICAL SECTIONS	SHEET 9	E

2



TYPICAL FINISHED SECTION USH 51 (THROUGH ROUNDABOUT)

STA. 10+00 MA TO STA. 13+33 MA

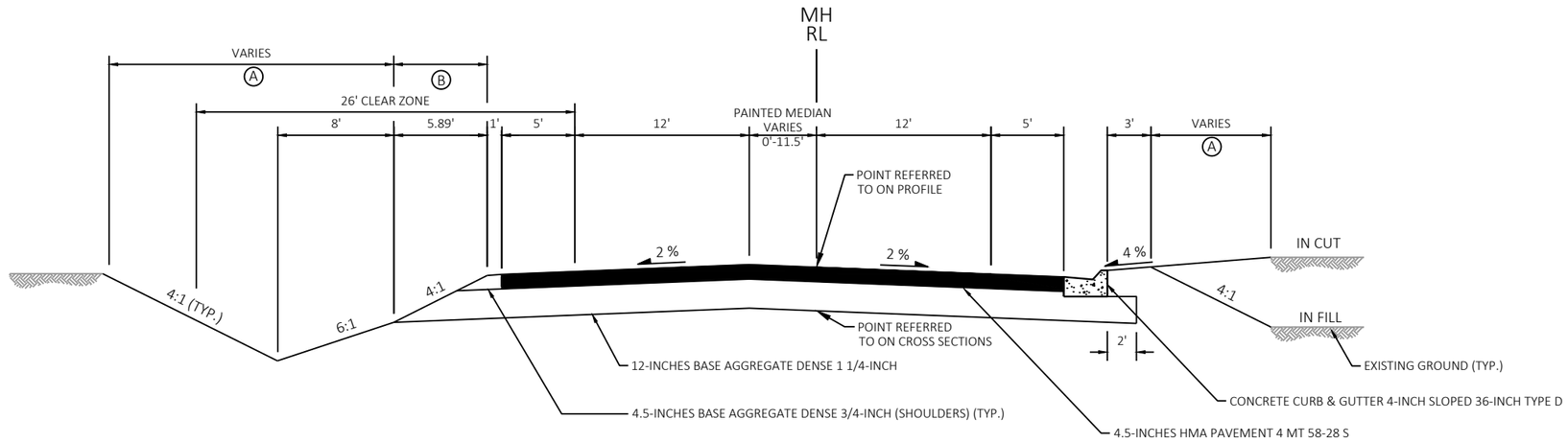
Ⓐ TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, & EROSION MAT CLASS I TYPE B

Ⓑ TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, & EROSION MAT CLASS I TYPE A

Ⓒ POINT REFERRED TO ON SUPPLEMENTAL PROFILE. SEE PLAN DETAIL SHEETS FOR ALIGNMENT INFORMATION.

① INSTALL PIPE UNDERDRAIN AT PROPOSED LOW POINTS. SEE CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION. SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS.

2



FINISHED TYPICAL SECTION - MAHONEY ROAD

STA. 11+50 MH TO STA. 14+05 MH

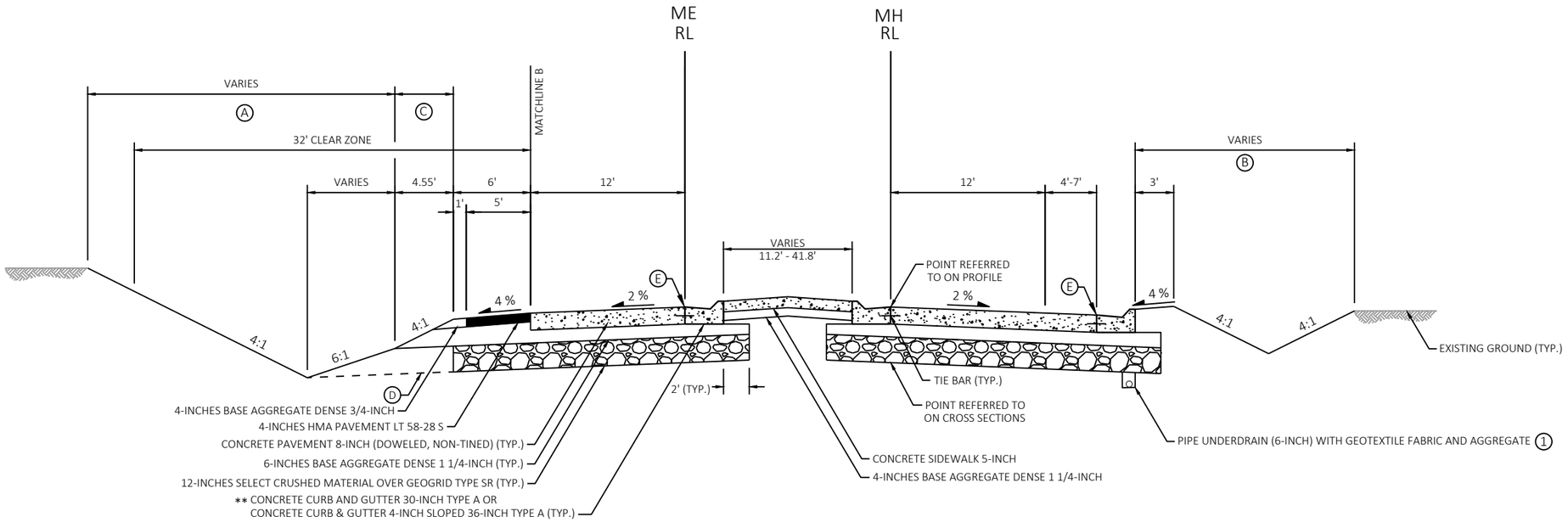
(A) TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, & EROSION MAT CLASS I TYPE B

(B) SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	TYPICAL SECTIONS	SHEET 11	E

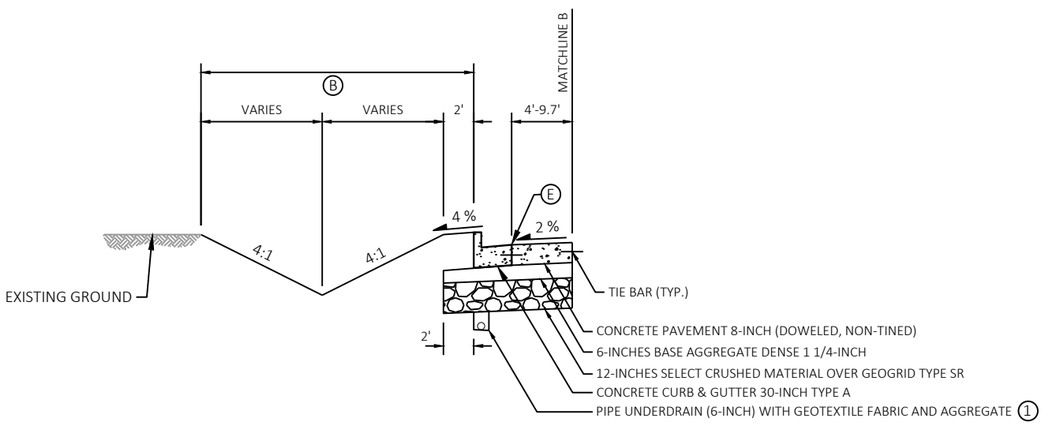
FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\020302-TS.DWG
LAYOUT NAME - 020308-ts

PLOT DATE : 4/20/2026 1:23 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT



FINISHED TYPICAL SECTION - MAHONEY ROAD

STA. 14+05 MH TO STA. 16+27 MH



FINISHED TYPICAL SECTION - MAHONEY ROAD

STA. 14+91 MH TO STA. 16+27 MH

** SEE PLAN DETAILS FOR LOCATIONS

1 INSTALL PIPE UNDERDRAIN AT PROPOSED LOW POINTS.
SEE CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION.
SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS.

A TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, &
EROSION MAT CLASS I TYPE B

B TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, &
EROSION MAT URBAN CLASS I TYPE A

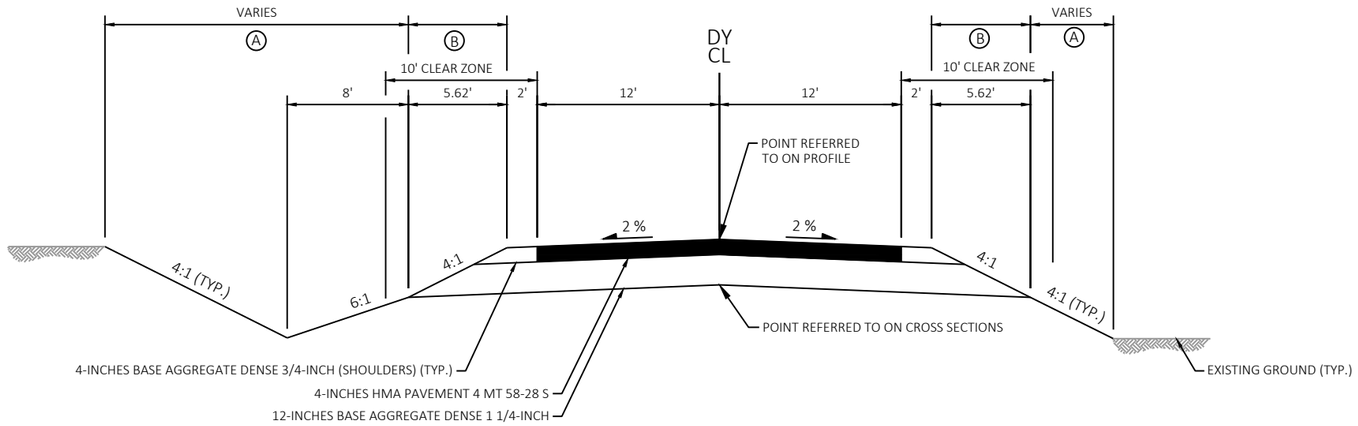
C SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B

D CONSTRUCT RELIEF TRENCHES AT 250' INTERVALS
AND AT PROFILE LOW POINTS. DO NOT INSTALL IN HIGH SIDE OF
SUPERELEVATED AREAS. SEE CONSTRUCTION DETAILS FOR
ADDITIONAL INFORMATION.

E POINT REFERRED TO ON SUPPLEMENTAL PROFILE.
SEE PLAN DETAIL SHEETS FOR ALIGNMENT INFORMATION.

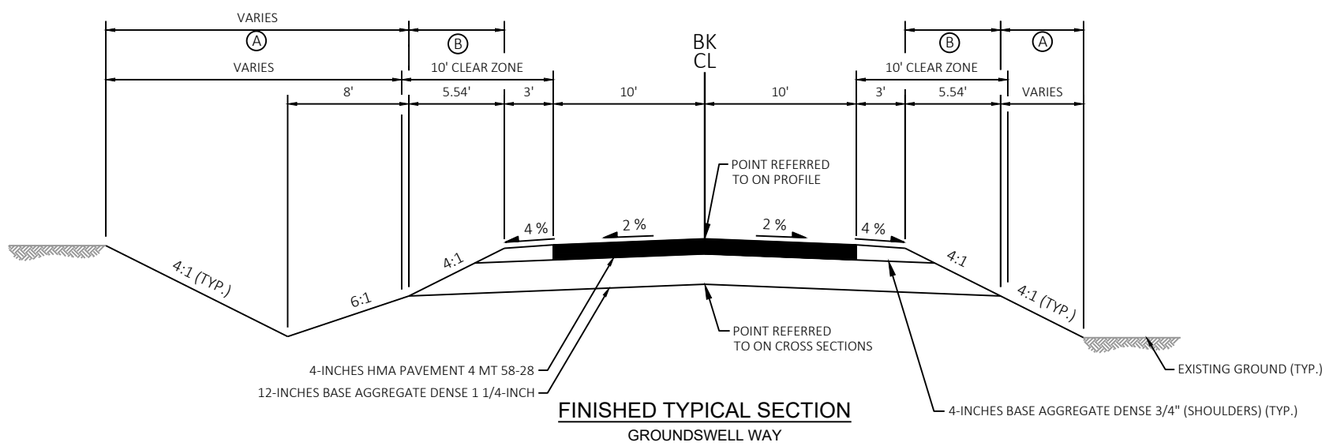
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	TYPICAL SECTIONS	SHEET 12	E

2



FINISHED TYPICAL SECTION - DYRESON ROAD

STA. 10+79 DY TO STA. 13+98 DY



FINISHED TYPICAL SECTION

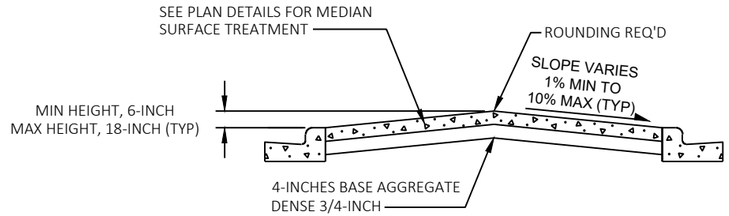
GROUNDSWELL WAY

(A) TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, & EROSION MAT CLASS I TYPE B

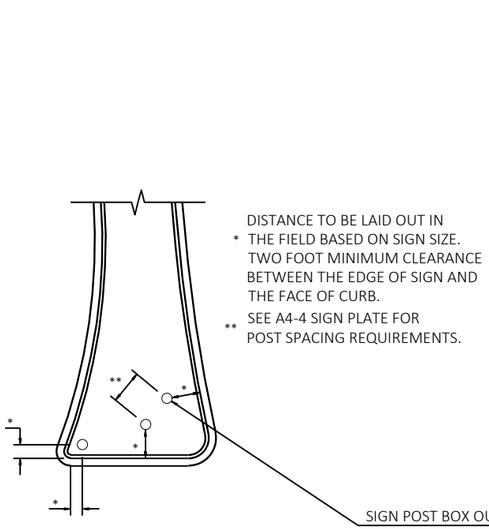
(B) SEEDING MIXTURE NO. 30 & FERTILIZER TYPE B

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	TYPICAL SECTIONS	SHEET 13	E

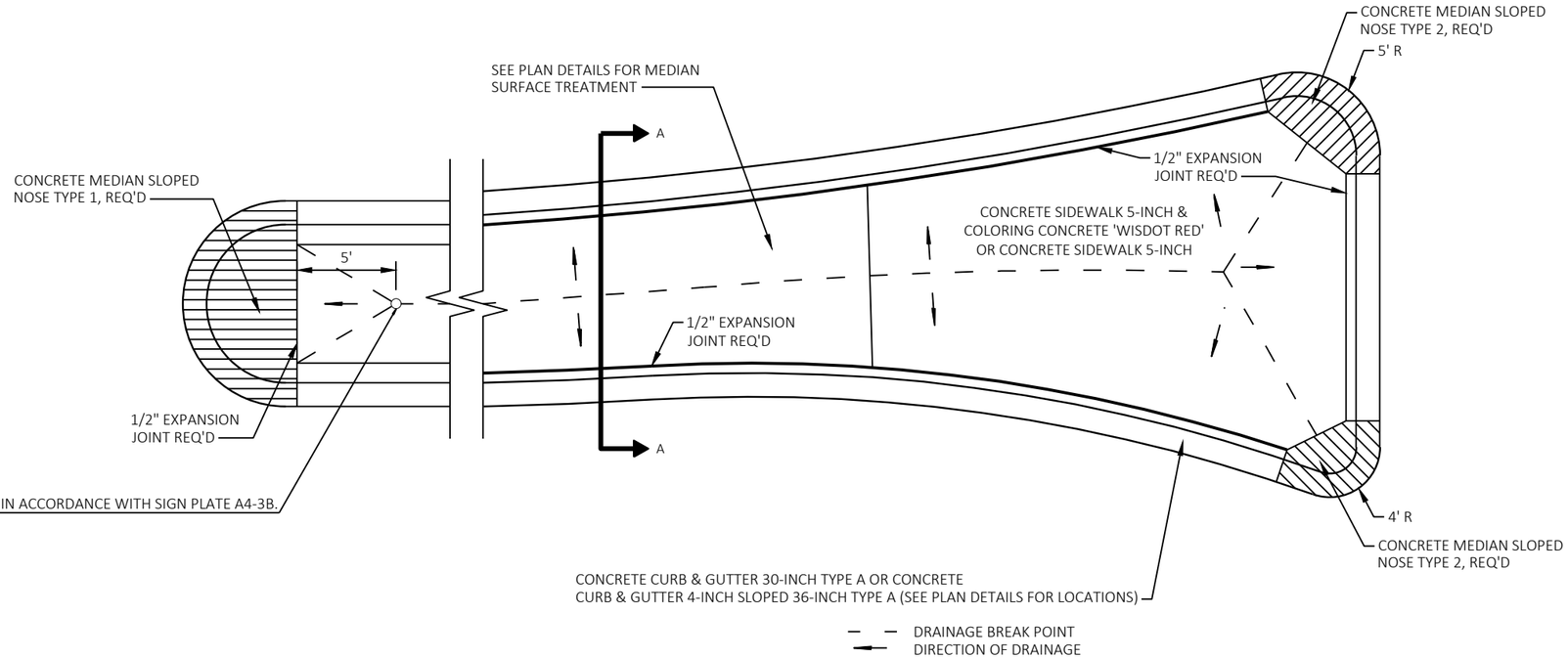
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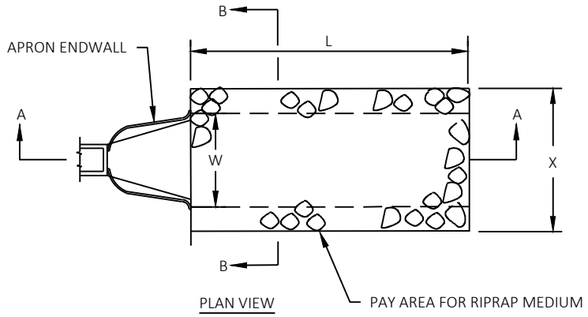
SECTION A-A



CENTER AND SPLITTER ISLAND SIGN LOCATION DETAIL (TYP.)



SPLITTER ISLAND DETAIL



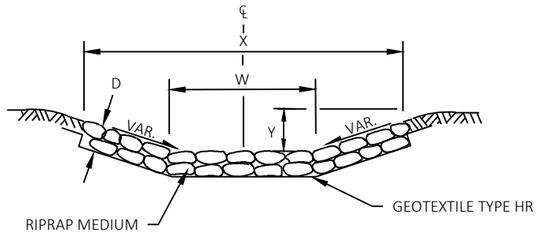
PLAN VIEW

L = 3 x W (NOR.) OR 10' MIN. OR
AS INDICATED IN THE PLANS OR
AS DIRECTED BY THE ENGINEER.

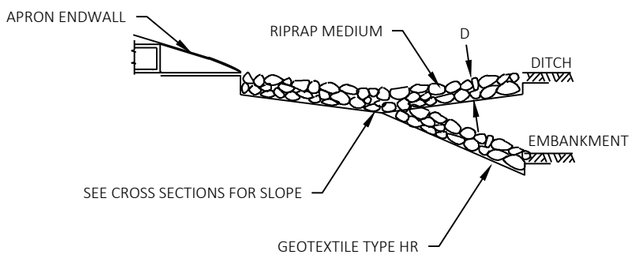
D = 18" FOR RIPRAP MEDIUM

X = W+2' FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
W+4' FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE

Y = 0' FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
12" FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE



SECTION B-B

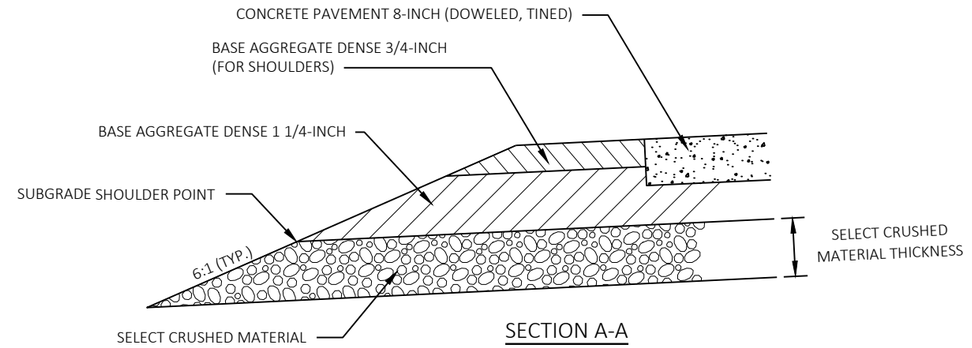


SECTION A-A

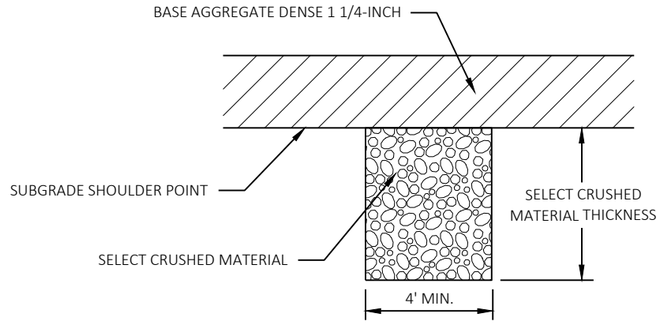
CONSTRUCTION NOTES:

1. EXTEND GEOTEXTILE FABRIC BENEATH THE ENTIRE LENGTH OF THE APRON ENDWALL SECTION. INSTALL ON GRADE PRIOR TO ENDWALL INSTALLATION.
2. COMPLETE GEOTEXTILE FABRIC AND RIPRAP SECTION INSTALLATION PRIOR TO STORM WATER FLOW.

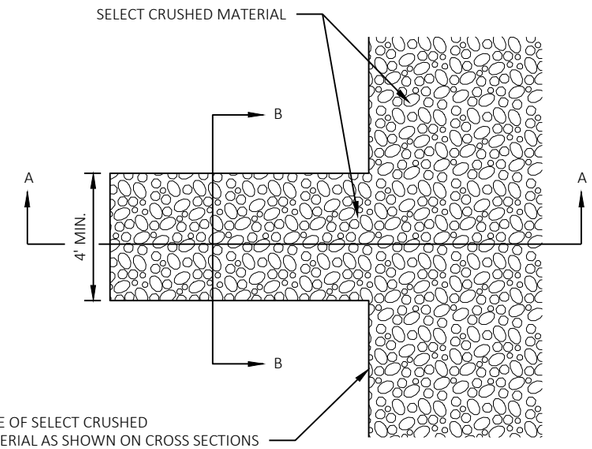
RIPRAP AND GEOTEXTILE DETAIL AT APRON ENDWALLS



SECTION A-A



SECTION B-B

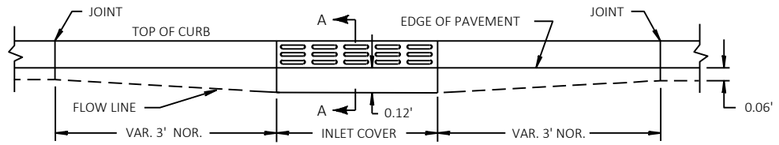


CONSTRUCT RELIEF TRENCHES AT LEAST EVERY 250'
AND AT EACH LOW POINT IN THE PROFILE.

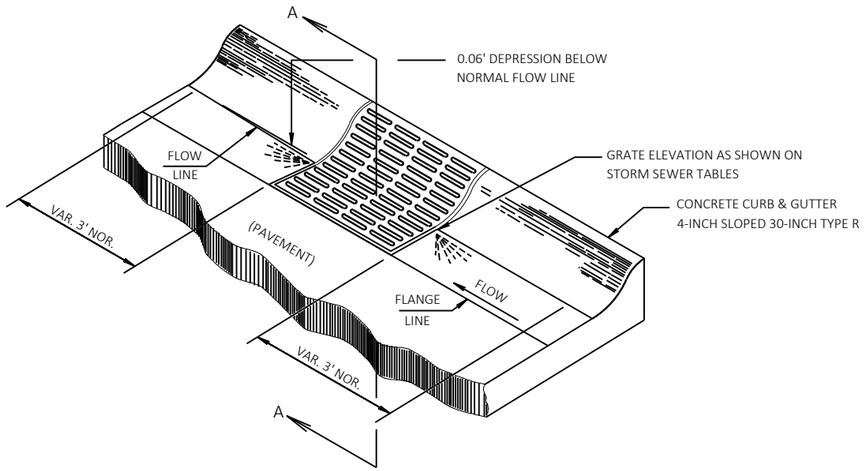
LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

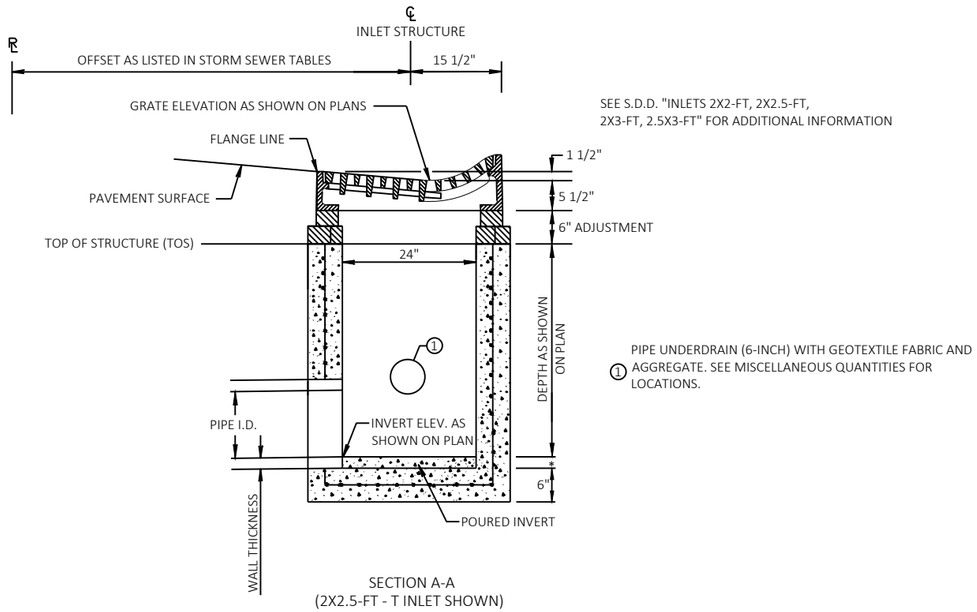
EXCAVATION REQUIRED TO CONSTRUCT RELIEF TRENCH
IS INCLUDED IN BID ITEM SELECT CRUSHED MATERIAL.

RELIEF TRENCH DETAIL



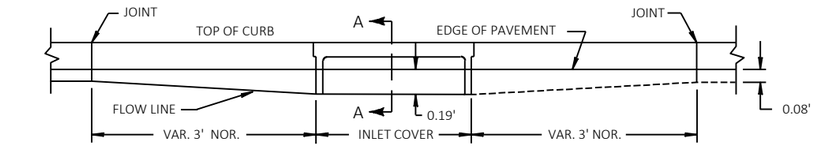
ELEVATION



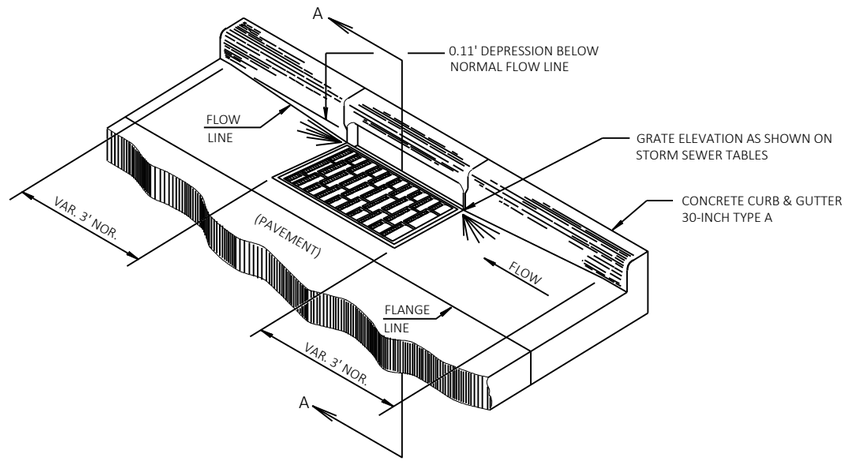


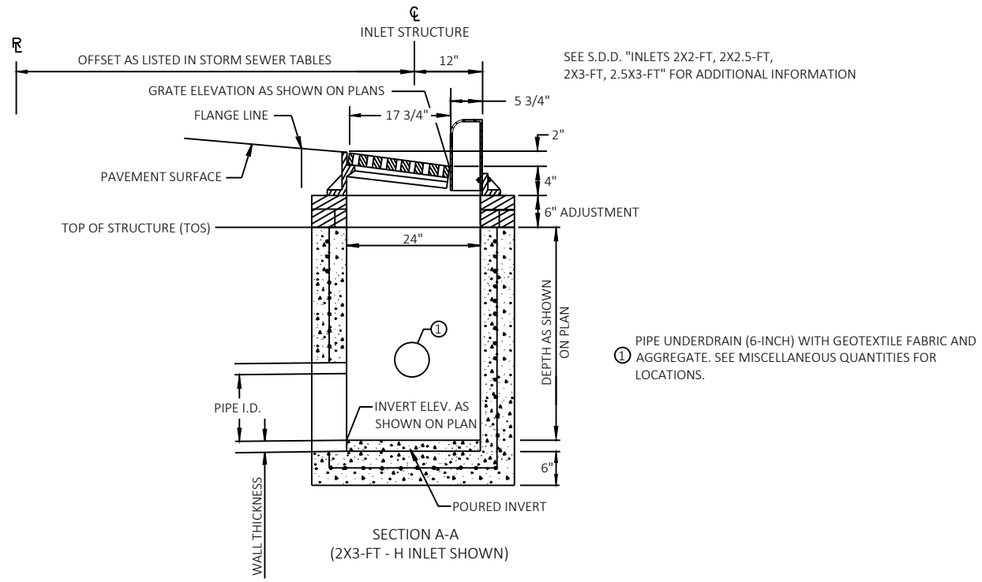
SECTION A-A
(2X2.5-FT - T INLET SHOWN)

DETAIL OF CONCRETE CURB & GUTTER 30-INCH TYPE R AT INLETS



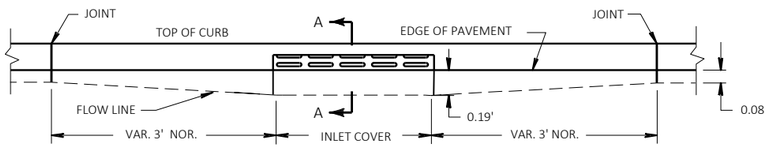
ELEVATION



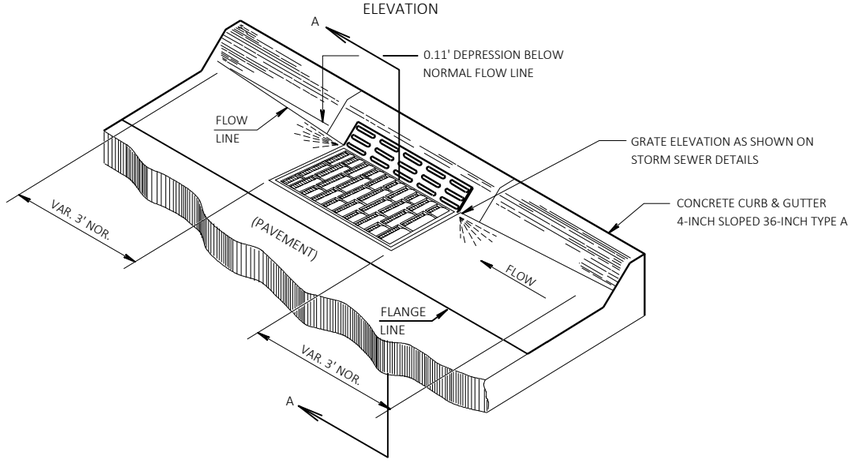


SECTION A-A
(2X3-FT - H INLET SHOWN)

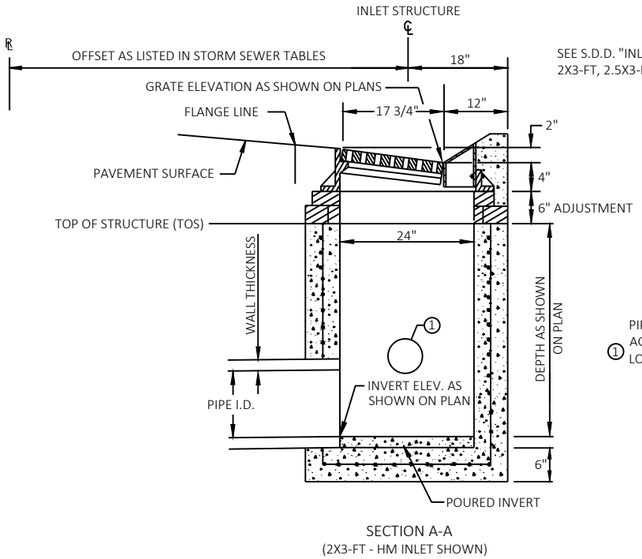
DETAIL OF CONCRETE CURB & GUTTER 30-INCH TYPE A AT INLETS



ELEVATION



INLET STRUCTURE



SEE S.D.D. "INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT" FOR ADDITIONAL INFORMATION

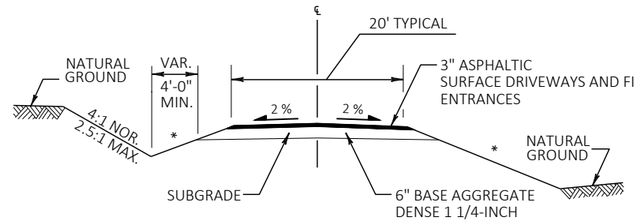
① PIPE UNDERDRAIN (6-INCH) WITH GEOTEXTILE FABRIC AND AGGREGATE. SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS.

SECTION A-A
(2X3-FT - HM INLET SHOWN)

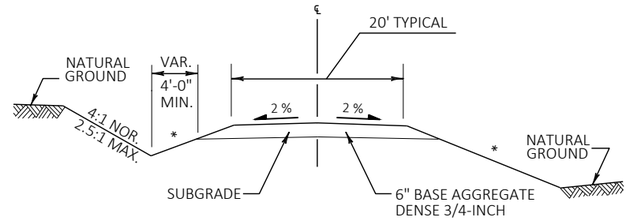
DETAIL OF CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A AT INLETS

2

ASPHALTIC SURFACE



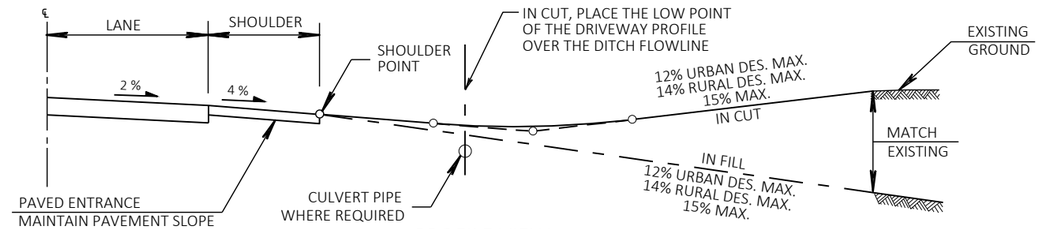
AGGREGATE SURFACE



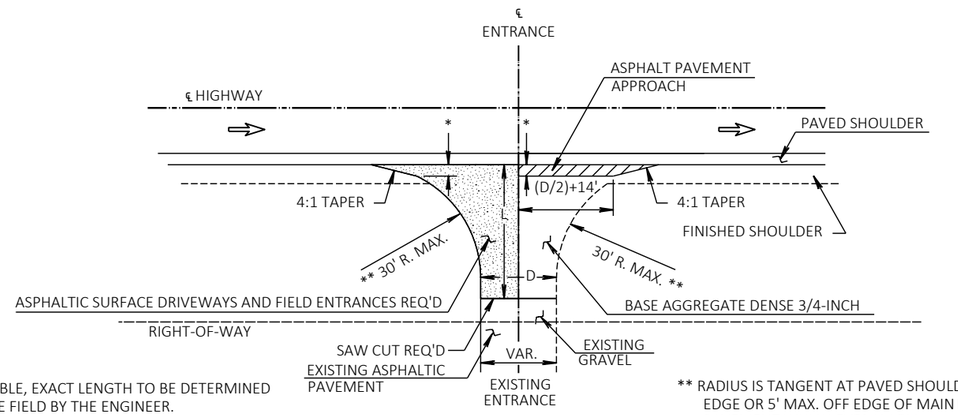
* SLOPE CAN VARY WITH SPEED.

POSTED SPEED MPH	MAX. SLOPE
<35	4:1
≥ 35 TO < 60	6:1
≥ 60	10:1

TYPICAL CROSS SECTION



PROFILE VIEW



L=VARIABLE, EXACT LENGTH TO BE DETERMINED IN THE FIELD BY THE ENGINEER. BLEND BACK ON THE ENTRANCE FAR ENOUGH TO GET A SMOOTH PROFILE.

D=DRIVEWAY WIDTH
D=20'TYP.(PE's & FE's) (16'MIN.-24'MAX.)
D=28'TYP.(CE's & FARM ENT.) (24'MIN.-35'MAX.)

** RADIUS IS TANGENT AT PAVED SHOULDER EDGE OR 5' MAX. OFF EDGE OF MAIN LINE PAVEMENT WHICH EVER IS LESS.

* 3' MAX. OR TO FINISHED SHOULDER WHICH EVER IS LESS.

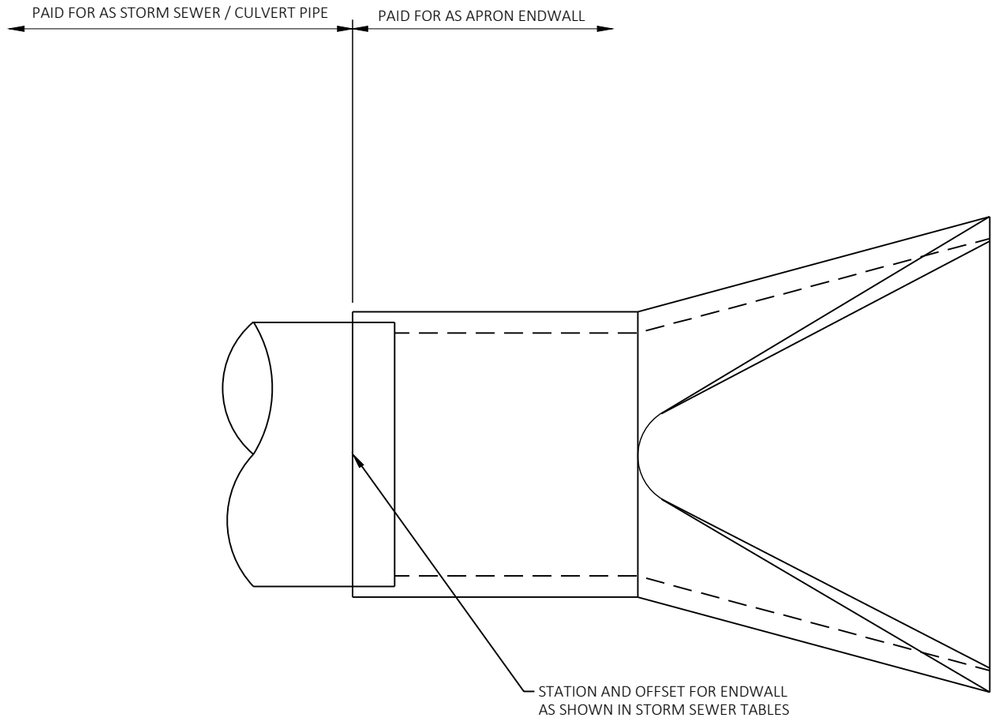
PLAN VIEW

RURAL DRIVEWAY INTERSECTION DETAIL

(PE's, FE's & CE'S)

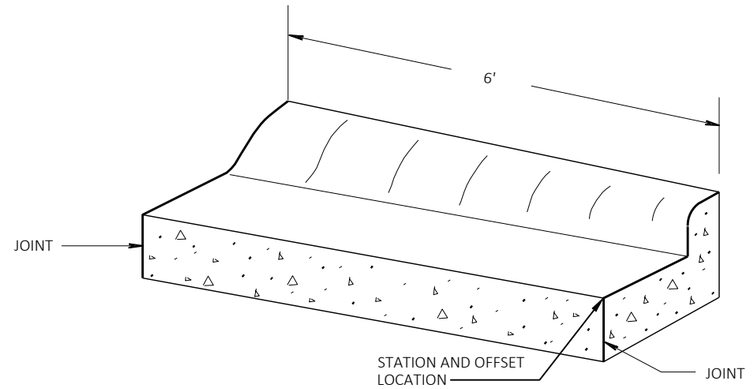
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 17	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021001-CD.DWG
LAYOUT NAME - 021004-cd
PLOT DATE : 4/20/2026 1:18 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:225 FT
WISDOT/CADDS SHEET 42



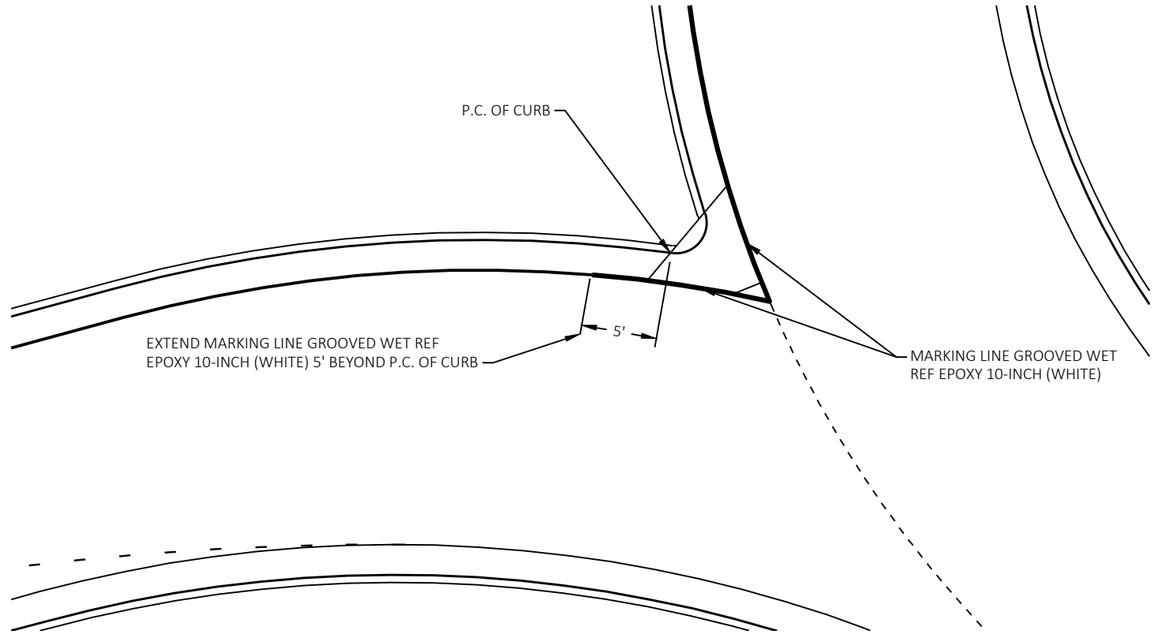
APRON ENDWALL DETAIL

NOTE: CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A TO CONCRETE CURB & GUTTER 30-INCH TYPE A (TO BE MEASURED & PAID FOR AS CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A).

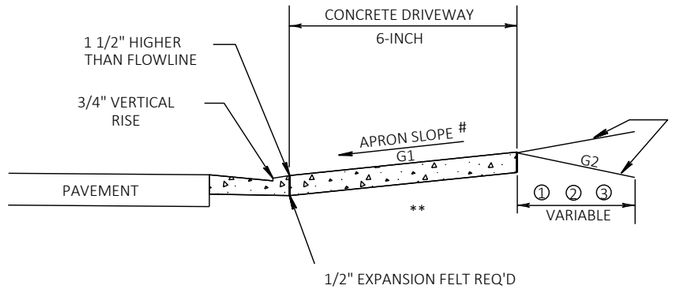


CONCRETE CURB & GUTTER TRANSITION DETAIL

STA 12+52 MB	STA 12+10 ME
STA 17+02 MB	STA 14+77 MH
STA 786+92 MG	STA 11+53 MC
STA 791+53 MG	STA 11+73 MD



ROUNDABOUT MARKING DETAILS



① — CONCRETE DRIVEWAY 6-INCH

② — 6-INCH BASE AGG. DENSE 3/4-INCH

③ — 6-INCH BASE AGG. DENSE 1 1/4-INCH BASE WITH 3" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

TYPICAL SECTION

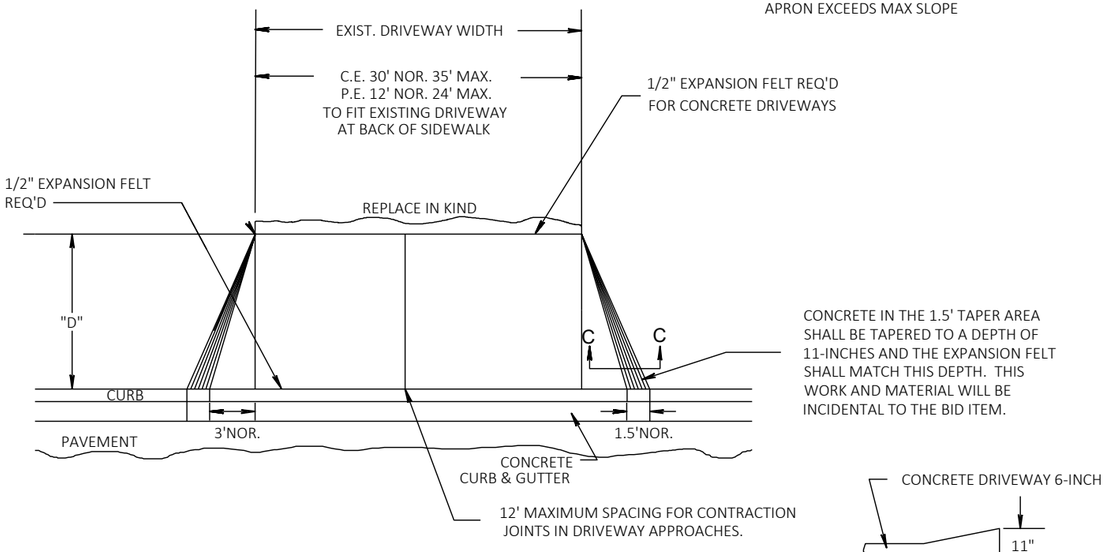
** = 6-INCH BASE AGGREGATE DENSE 1 1/4-INCH REQUIRED UNDER CONCRETE DRIVEWAY

\#

TERRACE WIDTH	APRON SLOPE (G1)		
	MIN %	DESIRABLE %	MAX %
3 FT	7.0	8.5	9.0
4 FT	5.0	7.0	9.0
5 FT	4.0	7.0	9.0
6 FT	4.0	7.0	9.0
7 FT	3.5	7.0	9.0
8 FT	3.0	7.0	9.0

NOTE: ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G1 & G2 TO NOT EXCEED 15%

DEPRESS SIDEWALK PROFILE IF DRIVEWAY APRON EXCEEDS MAX SLOPE

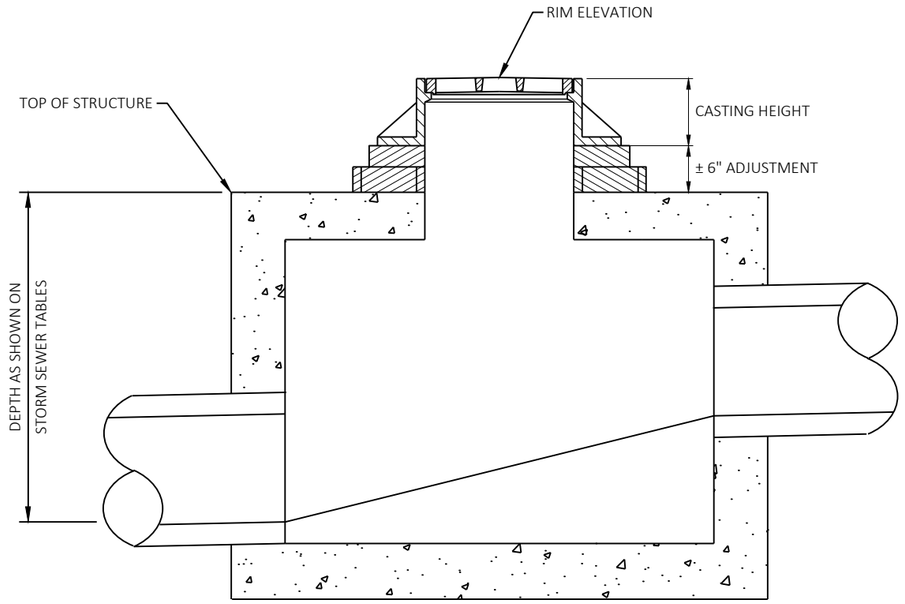


PLAN VIEW

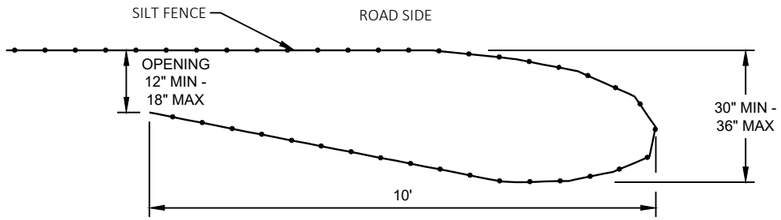
CONCRETE IN THE 1.5' TAPER AREA SHALL BE TAPERED TO A DEPTH OF 11-INCHES AND THE EXPANSION FELT SHALL MATCH THIS DEPTH. THIS WORK AND MATERIAL WILL BE INCIDENTAL TO THE BID ITEM.

SECTION C-C

DRIVEWAY ENTRANCE DETAIL WITH CURB & GUTTER



DETAIL FOR COMPUTING MANHOLE STRUCTURE ELEVATIONS

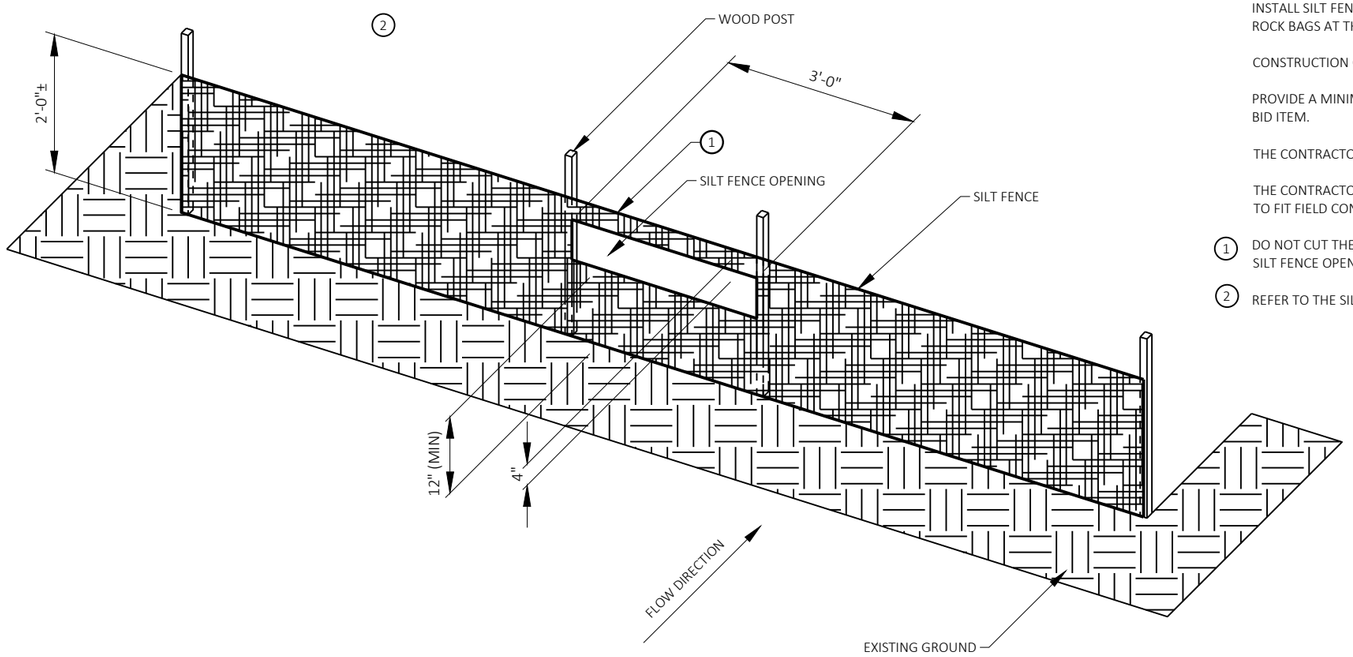


TEMPORARY TURTLE TURN-AROUND

SEE EROSION CONTROL PLAN FOR LOCATION INFORMATION

NOTE:
SILT FENCE POSTS FOR THE TURN-AROUND SHALL BE ON THE OUTSIDE OF THE TURN-AROUND AND TRENCHED IN ACCORDANCE WITH SILT FENCE REQUIREMENTS. TURN AROUND TO BE PAID AS "SILT FENCE".

2



GENERAL NOTES

THE SILT FENCE RELIEF DETAIL IS A SUPPLEMENTAL DETAIL TO THE SILT FENCE STANDARD DETAILS AND SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

INSTALL SILT FENCE PRIOR TO CONSTRUCTING THE SILT FENCE OPENING. PRIOR TO CONSTRUCTING THE SILT FENCE OPENING, PLACE ROCK BAGS AT THE SILT FENCE OPENING AS SHOWN IN THIS DETAIL.

CONSTRUCTION OF THE SILT FENCE OPENING SHALL BE INCIDENTAL TO THE COST OF THE SILT FENCE BID ITEM.

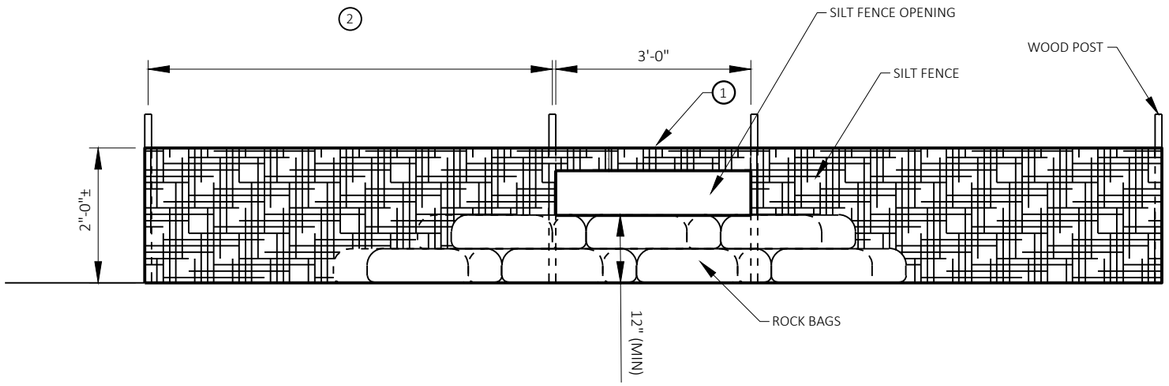
PROVIDE A MINIMUM OF 22 ROCK BAGS PER 3 FOOT OPENING. ROCK BAGS SHALL BE PAID UNDER THE ROCK BAGS BID ITEM.

THE CONTRACTOR SHALL LOCATE SILT FENCE RELIEF OPENINGS AT SILT FENCE LOW POINTS AND AS DIRECTED BY THE FIELD ENGINEER.

THE CONTRACTOR SHALL ADJUST THE SILT FENCE RELIEF OPENINGS WITHIN THE SILT FENCE AS NECESSARY TO PROVIDE RELIEF: TO FIT FIELD CONDITIONS AND AS DIRECTED BY THE FIELD ENGINEER.

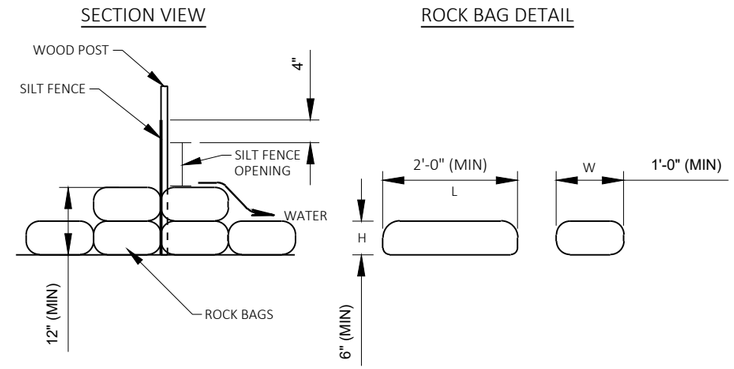
(1) DO NOT CUT THE SUPPORT CORD OR TENSION TAPE WHEN CONSTRUCTING THE SILT FENCE OPENING. KEEP THE TOP OF THE SILT FENCE OPENING 1"± BELOW THE 3" FOLD AT THE SUPPORT CORD OR TENSION TAPE.

(2) REFER TO THE SILT FENCE STANDARD DETAILS FOR ALLOWABLE ADJUSTMENTS TO POST SPACING.



SILT FENCE RELIEF DETAIL

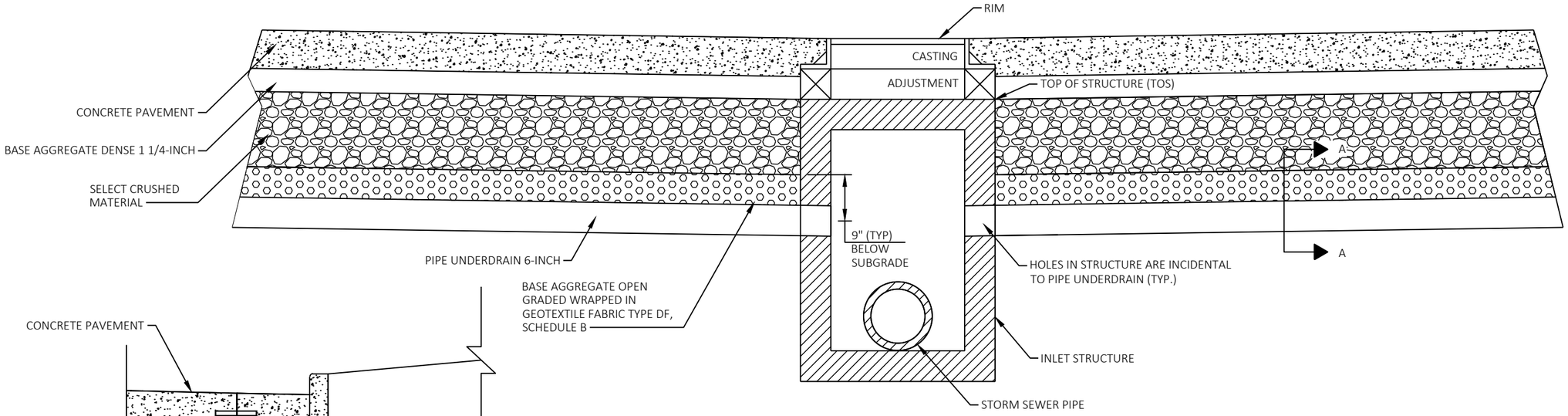
SEE EROSION CONTROL PLANS FOR LOCATIONS



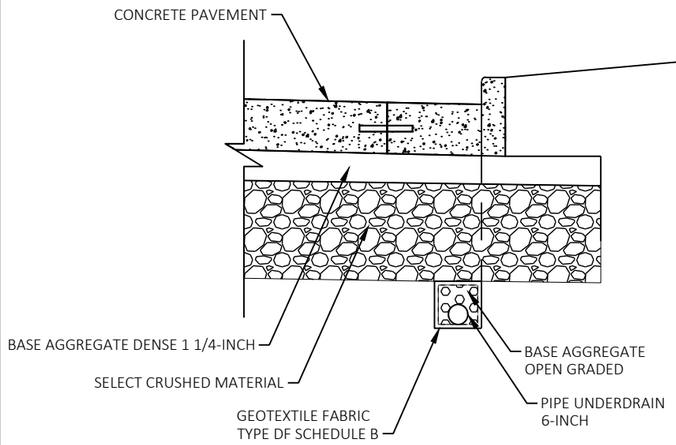
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 20	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021001-CD.DWG
LAYOUT NAME - 021008-cd
PLOT DATE : 4/20/2026 1:18 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:225 FT
WISDOT/CADDS SHEET 42

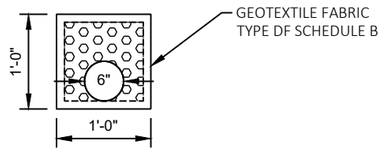
2



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

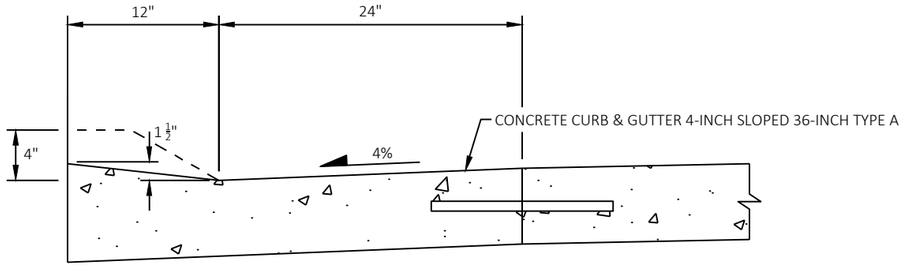


PIPE UNDERDRAIN 6-INCH WITH GEOTEXTILE FABRIC AND AGGREGATE CROSS SECTION

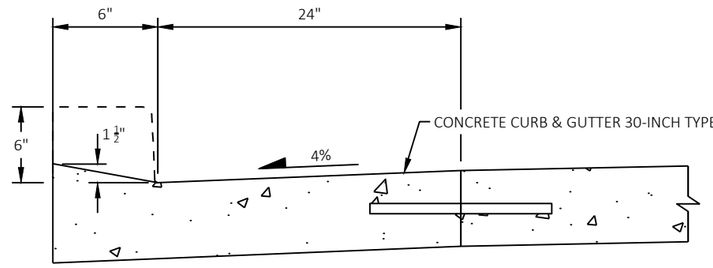


SECTION A-A

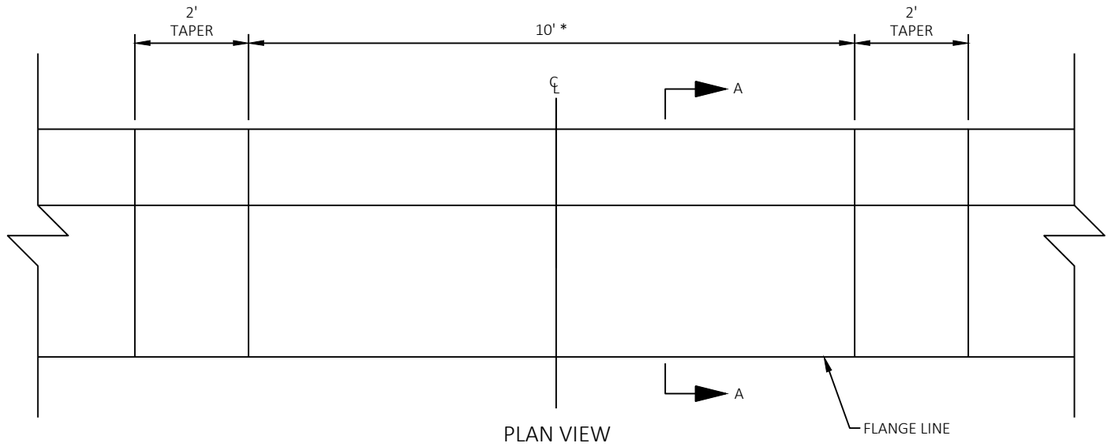
PIPE UNDERDRAIN 6-INCH ENCLOSED IN A 1'-0" x 1'-0" AREA OF BASE AGGREGATE OPEN GRADED WRAPPED IN GEOTEXTILE FABRIC, TYPE DF, SCHEDULE B.



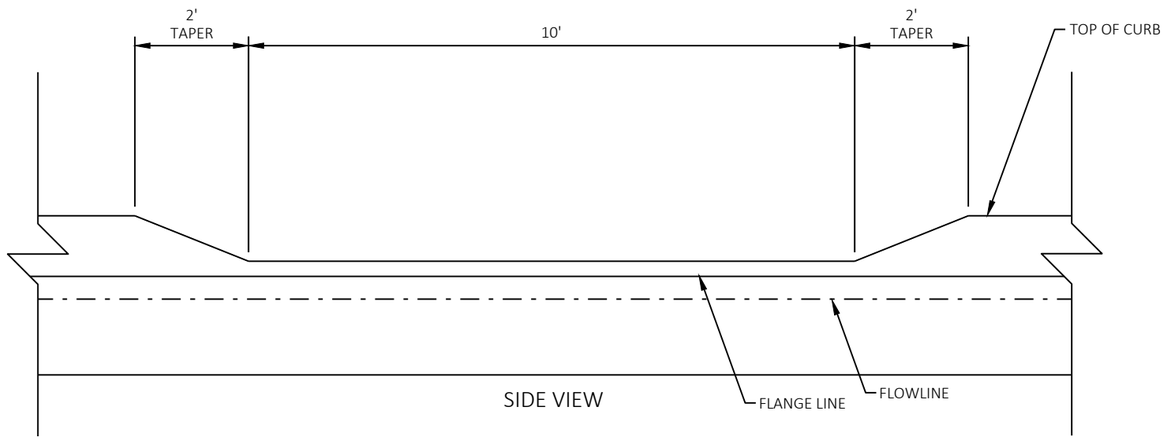
SECTION A-A
(CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A)



SECTION A-A
(CONCRETE CURB & GUTTER 30-INCH TYPE A)



PLAN VIEW



SIDE VIEW

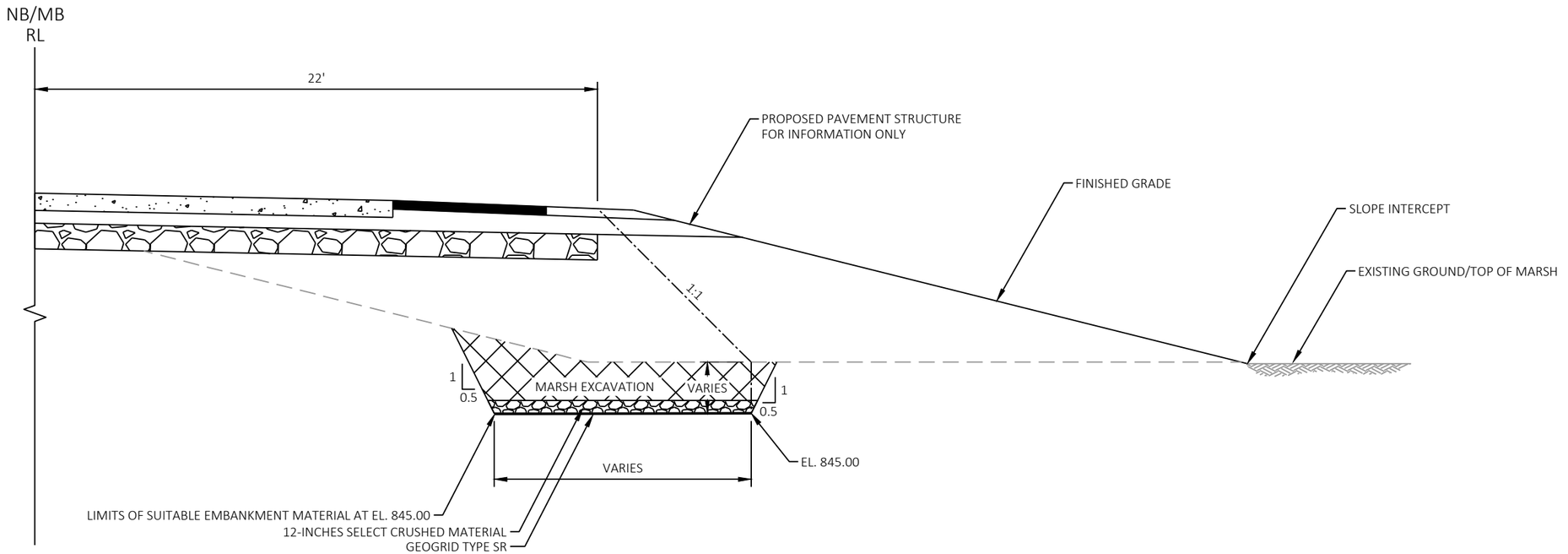
NOTE:
SEE S.D.D. "CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS" FOR ADDITIONAL INFORMATION AND TYPICAL TIE BAR LOCATION. PAID FOR AS CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A. STATION PROVIDED IS AT CENTERLINE OF MEDIAN OPENING.

MAINTENANCE OPENING

691+00 NB
705+10 SB
711+05 SB
10+19 MF

* 16' WIDTH REQUIRED FOR 10+17 MF OPENING.

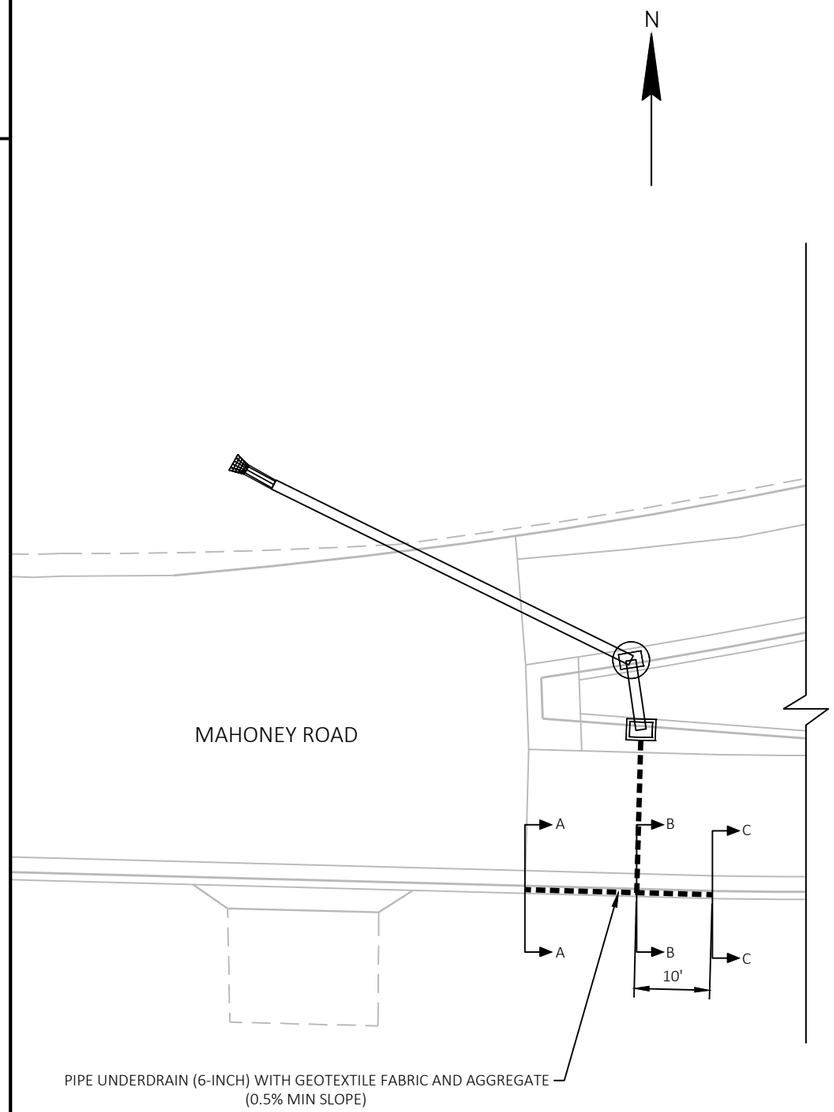
2



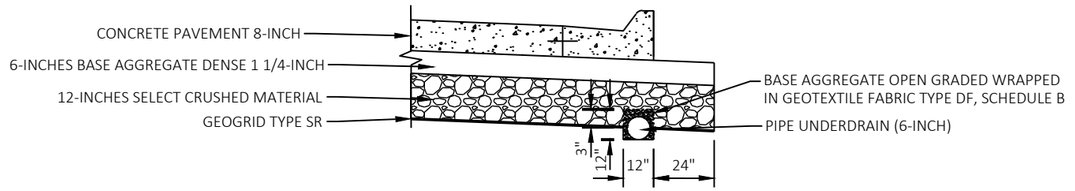
MARSH EXCAVATION

STA 784+00 NB - STA 785+40 NB

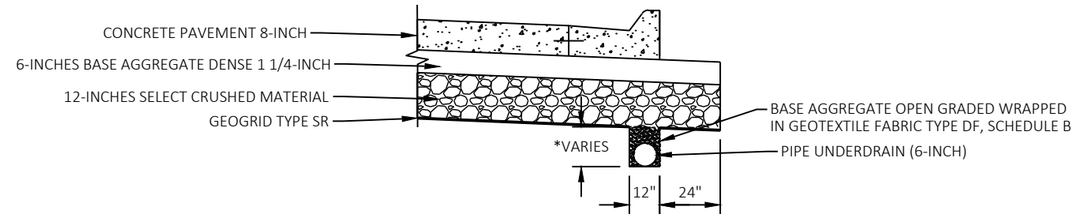
NOTE: BACKFILL MARSH EXCAVATION WITH SUITABLE EMBANKMENT MATERIAL



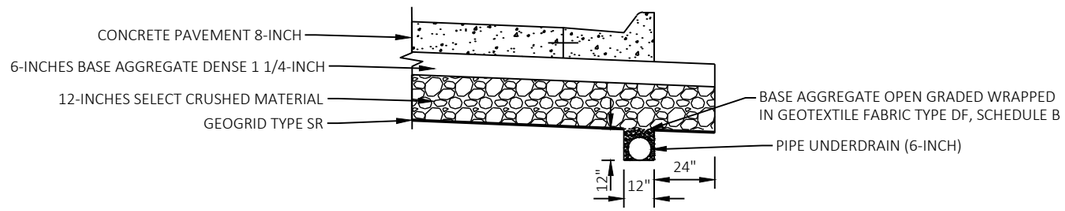
PLAN VIEW



SECTION A-A
(STA. 14+05 MH)



SECTION B-B
(STA. 14+20 MH)

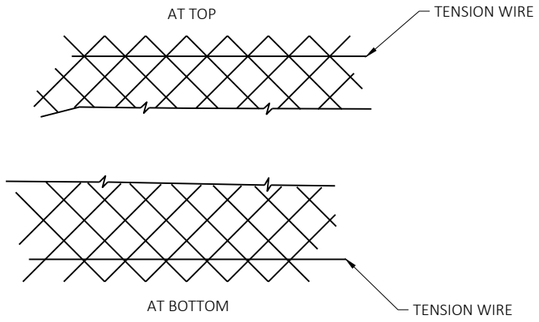


SECTION C-C
(STA. 14+30 MH)

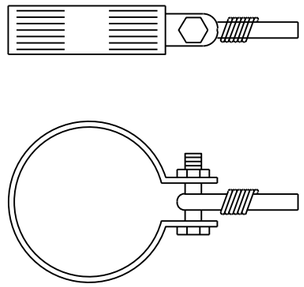
* LOWER PIPE UNDERDRAIN TRENCH TO MAINTAIN 0.5% MINIMUM LONGITUDINAL SLOPE.

NOTE: PIPE UNDERDRAIN (6-INCH), BASE AGGREGATE OPEN GRADED, AND GEOTEXTILE FABRIC TYPE DF, SCHEDULE B ARE INCIDENTAL TO THE PIPE UNDERDRAIN (6-INCH) WITH GEOTEXTILE FABRIC AND AGGREGATE BID ITEM

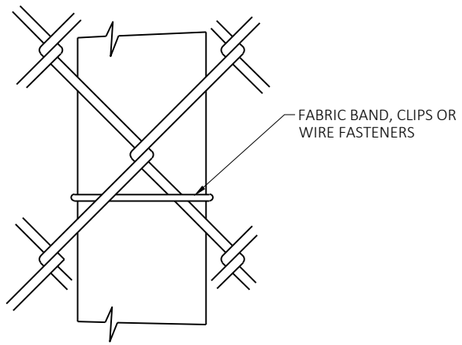
DETAIL FOR PIPE UNDERDRAIN (6-INCH) WITH GEOTEXTILE FABRIC AND AGGREGATE
STA. 14+05 MH TO STA. 14+30 MH (DRAINING TO STRUCTURE 741)



SELVAGES



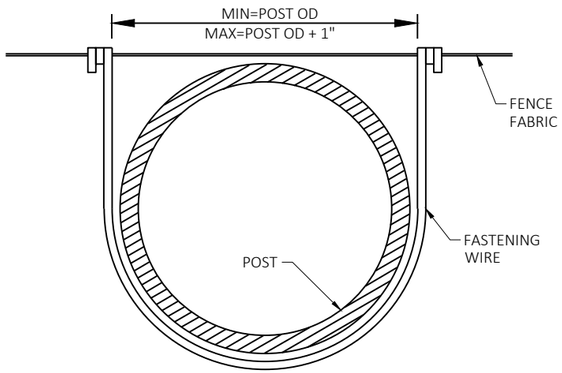
TENSION WIRE END CLAMP



LINE POST

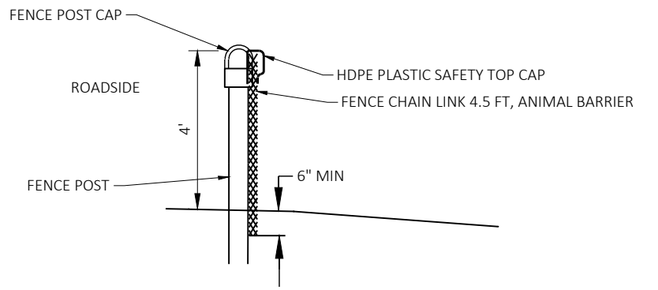
1) FABRIC FASTENERS:
MINIMUM 3/16" X 3/4" STRETCHER BAR BANDED TO TERMINAL POSTS, OR INDUSTRIAL FABRIC FITTINGS ON TERMINAL POSTS. ALL FASTENERS ARE NO. 6 ALUMINUM SPACED 14" MAX. VERTICALLY.

2) FENCE HEIGHT:
THE FABRIC HEIGHT IS THE NOMINAL FENCE HEIGHT.



FABRIC FASTENING DETAIL

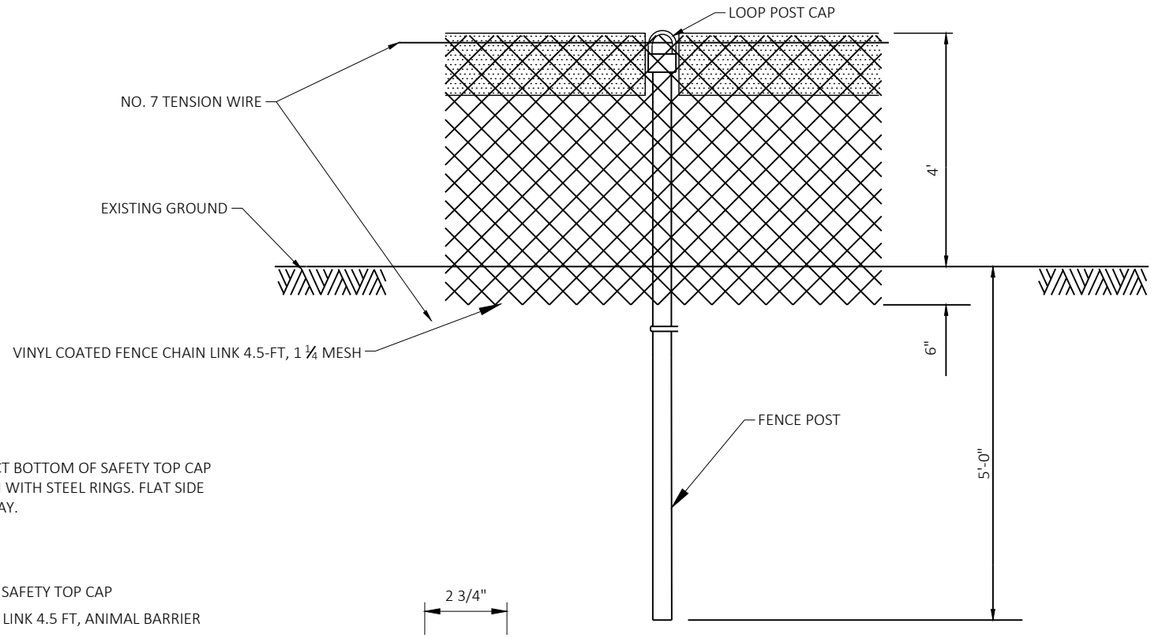
NOTE: CONNECT BOTTOM OF SAFETY TOP CAP TO WIRE MESH WITH STEEL RINGS. FLAT SIDE FACES ROADWAY.



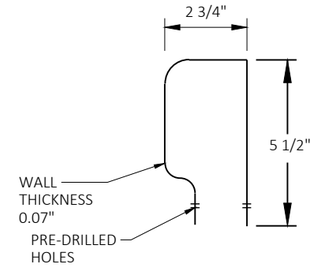
FENCE CHAIN LINK 4.5 FT, ANIMAL BARRIER
END VIEW

GENERAL NOTES:

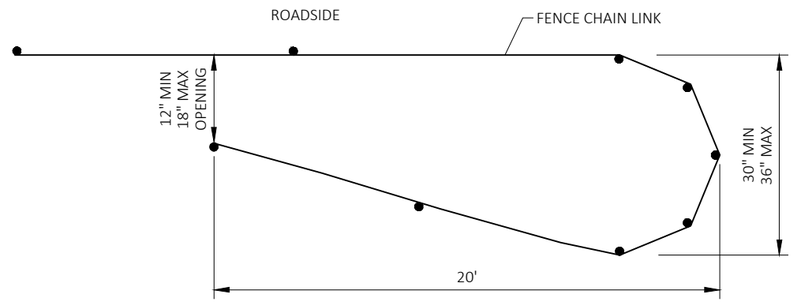
1) ALL FENCING SHALL MEET FEDERAL SPECIFICATION F-162 AND RR-F-00191.
2) 6" FLEXIBLE PLASTIC PIPE MAY BE USED IN PLACE OF HDPE PLASTIC SAFETY TOP CAP IN RURAL, NON-POPULATED AREAS WITH THE APPROVAL OF THE ENGINEER.
3) UNLESS OTHERWISE SPECIFIED, ATTACH CHAIN-LINK FABRIC TO POSTS AND RACES WITH STANDARD TIE WIRE MEETING SPECIFICATIONS.
4) SAFETY TOP CAP REQUIRED ON THE ENTIRE LENGTH OF FENCE CHAIN LINK 4.5-FT, ANIMAL BARRIER
5) ALL FENCE COMPONENTS SHALL BE PVC COATED, DARK GREEN IN COLOR.
6) DO NOT PLACE SAFETY TOP CAP AROUND TURN-AROUND RADIUS
7) TENSION WIRE SHALL HAVE NO VISIBLE SAG WHEN FULLY TENSIONED.



FENCE CHAIN LINK 4.5' FT, ANIMAL BARRIER



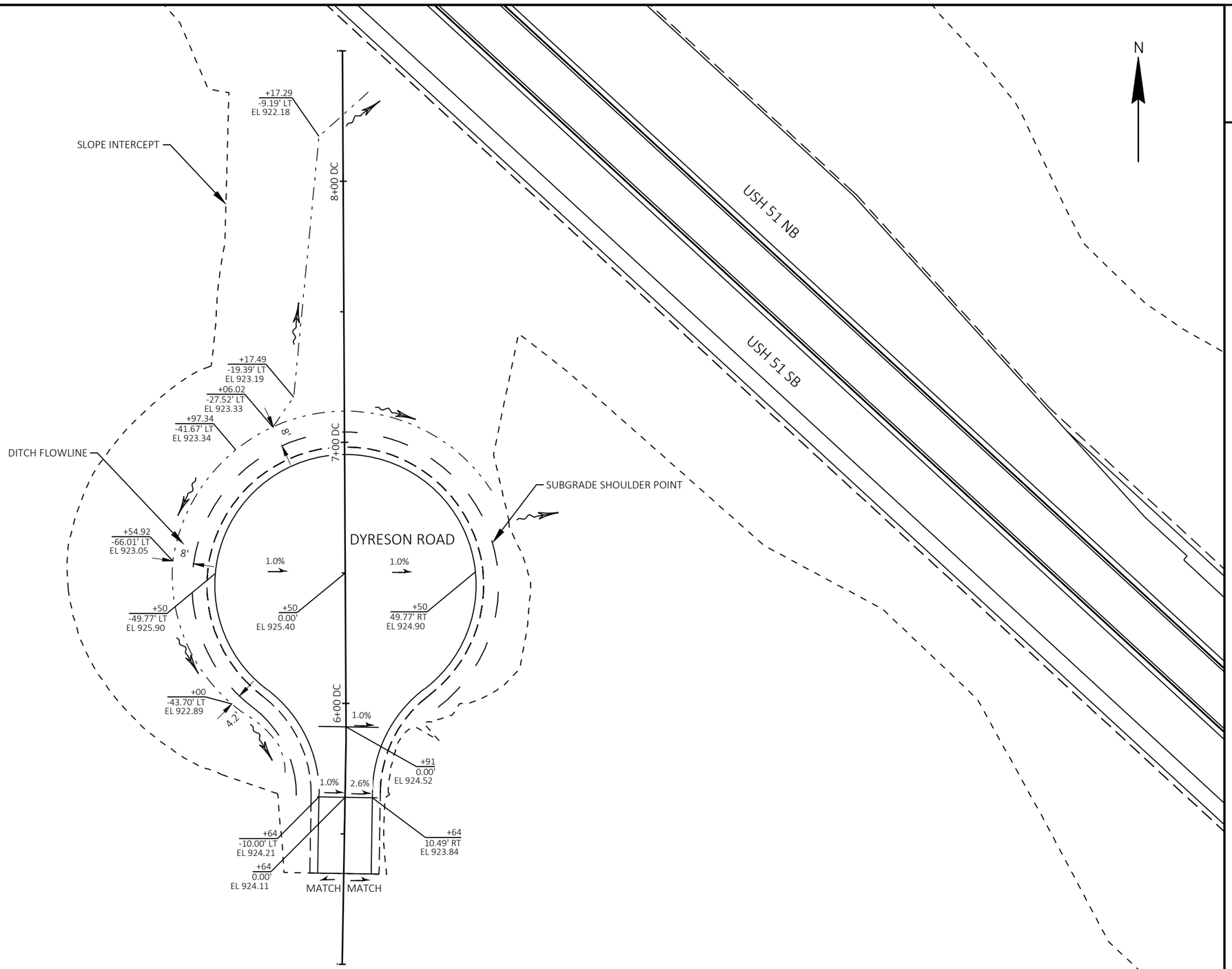
HDPE PLASTIC SAFETY TOP CAP
END VIEW



NOTES
THE PURPOSE OF THE SMALL ANIMAL TURN AROUNDS ARE TO REDIRECT THE TURTLES AWAY FROM THE ROADWAY. PLACE FENCE POSTS ON THE UPSLOPE SIDE OF FENCE. TURTLE BARRIER POSTS FOR THE TURN-AROUND SHALL BE ON THE INSIDE OF THE TURN-AROUND. 5 POSTS MINIMUM WITHIN ARC OF TURN-AROUND.

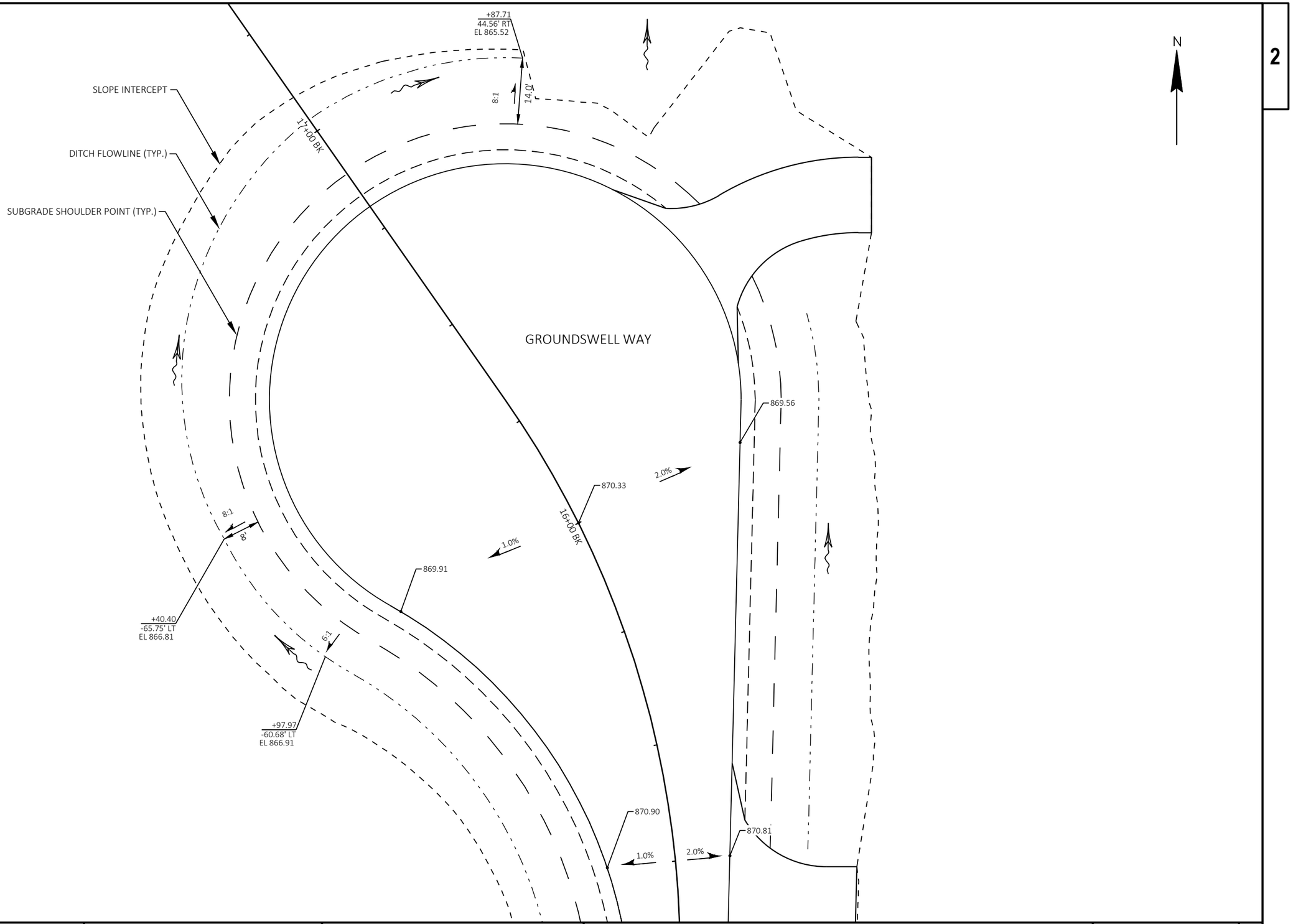
SMALL ANIMAL TURN-AROUND DETAIL

2



PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CONSTRUCTION DETAILS - DYRESON ROAD GRADING (CUL DE SAC)	SHEET 26	E

2



PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CONSTRUCTION DETAILS - GROUNDSWELL WAY GRADING	SHEET 27	E

NB ALIGNMENT SUPERELVATIONS

MAINLINE NB - CURVE 2			
STATION	LANE	OUTSIDE SHOULDER	DESCRIPTION
(e = 3.0%, T = 133', L = 80')			
689+01.19	-2.00%	-4.00%	BEGIN SHOULDER TRANSITION
689+54.19	-2.00%	-2.00%	NORMAL CROWN
690+07.19	0.00%	0.00%	FLAT
690+60.19	2.00%	2.00%	REVERSE CROWN
690+87.19	3.00%	3.00%	FULL SUPER
697+65.43	3.00%	3.00%	FULL SUPER
697+92.43	2.00%	2.00%	REVERSE CROWN
698+45.43	0.00%	0.00%	FLAT
698+98.43	-2.00%	-2.00%	NORMAL CROWN
699+51.43	-2.00%	-4.00%	END SHOULDER TRANSITION

MAINLINE NB - CURVE 5					
STATION	SB SHOULDER	SB LANE	NB LANE	NB SHOULDER	DESCRIPTION
(e = 4.2%, T = 165', L = 112')					
725+43.92	-4.00%	-2.00%	-2.00%	-4.00%	BEGIN SB SHOULDER TRANSITION
725+96.92	-2.00%	-2.00%	-2.00%	-4.00%	NORMAL CROWN
726+49.92	0.00%	0.00%	-2.00%	-4.00%	FLAT
727+02.92	2.00%	2.00%	-2.00%	-4.00%	REVERSE CROWN
727+55.92	4.00%	4.00%	-4.00%	-4.00%	BEGIN NB SHOULDER TRANSITION
727+61.92	4.20%	4.20%	-4.20%	-4.20%	FULL SUPER
733+90.07	4.20%	4.20%	-4.20%	-4.20%	FULL SUPER
733+96.07	4.00%	4.00%	-4.00%	-4.00%	END NB SHOULDER TRANSITION
734+49.07	2.00%	2.00%	-2.00%	-4.00%	REVERSE CROWN
735+02.07	0.00%	0.00%	-2.00%	-4.00%	FLAT
735+55.07	-2.00%	-2.00%	-2.00%	-4.00%	NORMAL CROWN
736+08.07	-4.00%	-4.00%	-2.00%	-4.00%	END SB SHOULDER TRANSITION

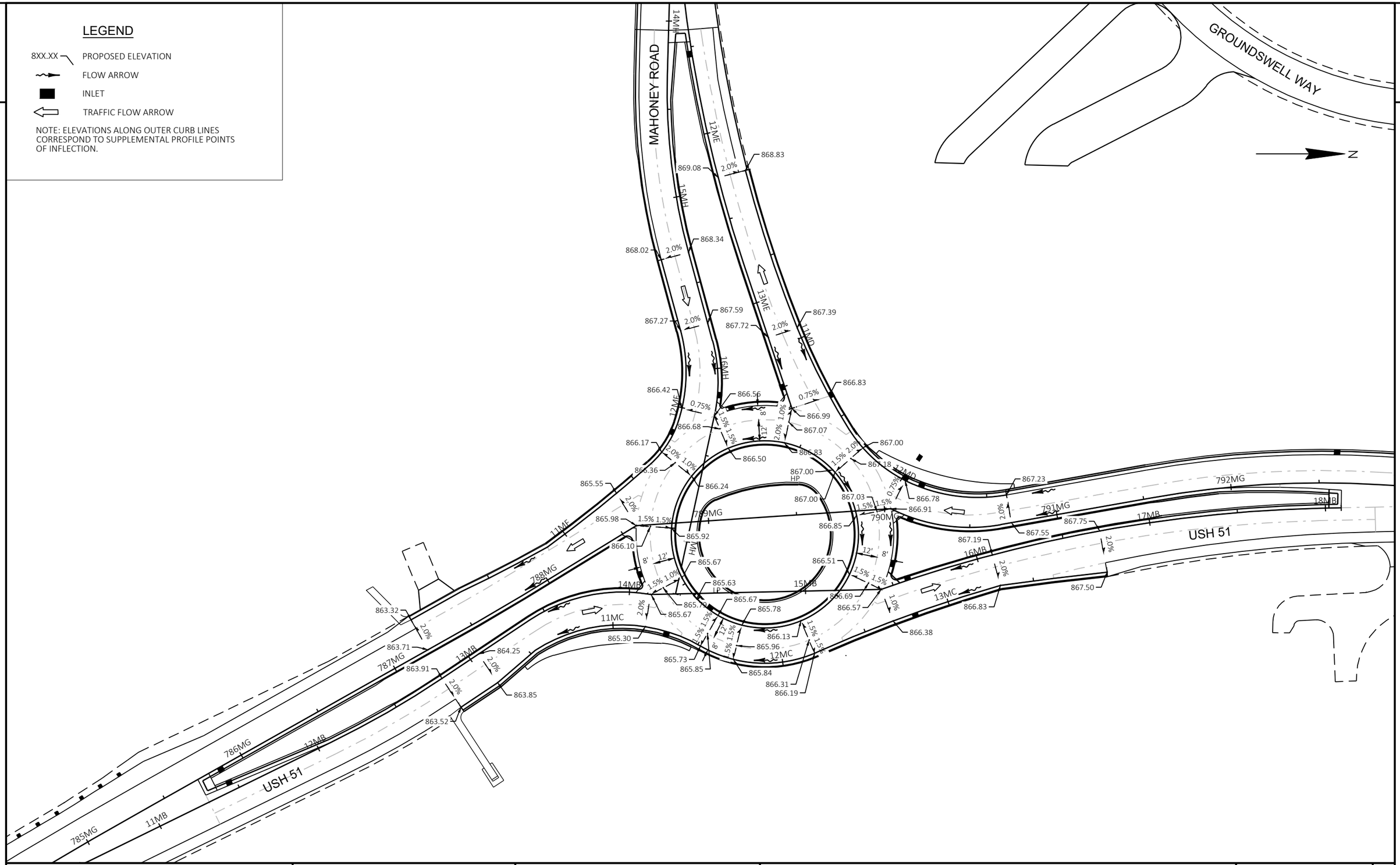
SB ALIGNMENT SUPERELVATIONS

MAINLINE SB - CURVE 3			
STATION	LANE	OUTSIDE SHOULDER	DESCRIPTION
(e = 3.0%, T = 133', L = 80')			
690+85.20	-2.00%	-2.00%	NORMAL CROWN
691+12.20	3.00%	3.00%	FULL SUPER
698+21.43	3.00%	3.00%	FULL SUPER
698+48.43	-2.00%	-2.00%	NORMAL CROWN

LEGEND

- 8XX.XX — PROPOSED ELEVATION
- FLOW ARROW
- INLET
- TRAFFIC FLOW ARROW

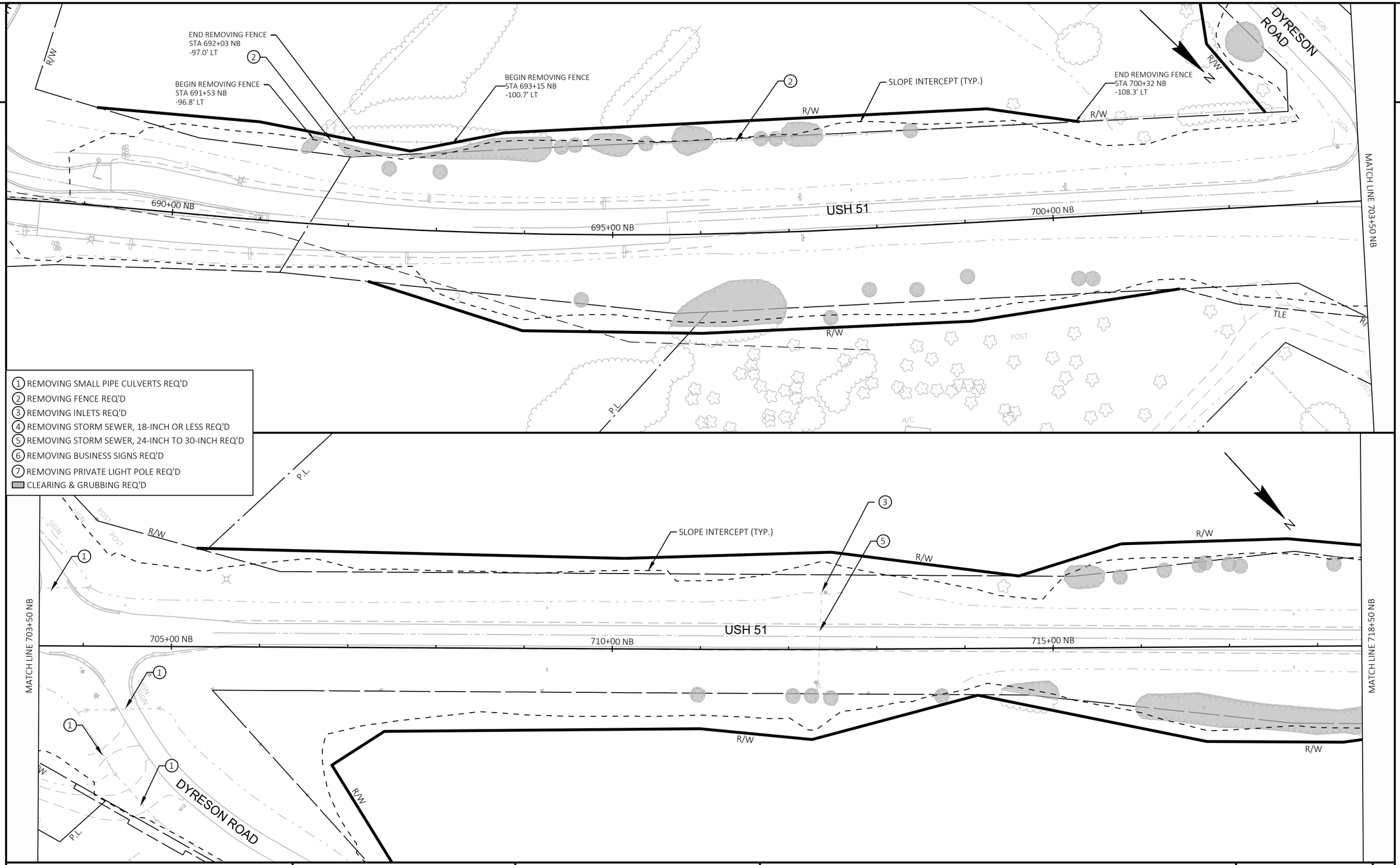
NOTE: ELEVATIONS ALONG OUTER CURB LINES CORRESPOND TO SUPPLEMENTAL PROFILE POINTS OF INFLECTION.



PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	INTERSECTION DETAILS	SHEET 29	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - 021101_id

PLOT DATE : 1/21/2026 3:19 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT



PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	REMOVALS	SHEET 30	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 0211001-rm

PLOT DATE : 1/30/2026 1:24 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE 718+50 NB

MATCH LINE 733+50 NB

MATCH LINE 733+50 NB

MATCH LINE 748+50 NB

USH 51

720+00 NB

725+00 NB

730+00 NB

735+00 NB

740+00 NB

745+00 NB

R/W

TLE

P.L.

SLOPE INTERCEPT (TYP.)

SIGN

GREENHOUSE

1 REMOVING SMALL PIPE CULVERTS REQ'D
2 REMOVING FENCE REQ'D
3 REMOVING INLETS REQ'D
4 REMOVING STORM SEWER, 18-INCH OR LESS REQ'D
5 REMOVING STORM SEWER, 24-INCH TO 30-INCH REQ'D
6 REMOVING BUSINESS SIGNS REQ'D
7 REMOVING PRIVATE LIGHT POLE REQ'D
CLEARING & GRUBBING REQ'D

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	REMOVALS	SHEET 31	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 0211002-rm

PLOT DATE : 1/30/2026 1:24 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

MATCH LINE 748+50 NB

MATCH LINE 763+50 NB

MATCH LINE 778+50 NB

SLOPE INTERCEPT (TYP.)

750+00 NB

755+00 NB

USH 51

760+00 NB

765+00 NB

770+00 NB

USH 51

775+00 NB

R/W

TLE

P.L.

ATHLETIC FIELD

RUINS

WELL

POST

SIGN

A/C

(1) REMOVING SMALL PIPE CULVERTS REQ'D
(2) REMOVING FENCE REQ'D
(3) REMOVING INLETS REQ'D
(4) REMOVING STORM SEWER, 18-INCH OR LESS REQ'D
(5) REMOVING STORM SEWER, 24-INCH TO 30-INCH REQ'D
(6) REMOVING BUSINESS SIGNS REQ'D
(7) REMOVING PRIVATE LIGHT POLE REQ'D
CLEARING & GRUBBING REQ'D

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	REMOVALS	SHEET 32	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 0211003-rm

PLOT DATE : 4/24/2026 8:25 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

MATCHLINE 16+00 MH

MAHONEY ROAD

USH 51

785+00 NB

790+00 NB

780+00 NB

MATCH LINE 778+50 NB

MATCH LINE 793+50 NB

R/W

TLE

P.L.

SLOPE INTERCEPT (TYP.)

EXISTING SIGN REMOVED BY OTHERS

BEGIN REMOVING FENCE
STA 786+82 NB
65.4' RT

END REMOVING FENCE
STA 790+92 NB
73.8' RT

BEGIN REMOVING FENCE
STA 792+49 NB
95.4' RT

END REMOVING FENCE
STA 792+85 NB
65.6' RT

1 REMOVING SMALL PIPE CULVERTS REQ'D
2 REMOVING FENCE REQ'D
3 REMOVING INLETS REQ'D
4 REMOVING STORM SEWER, 18-INCH OR LESS REQ'D
5 REMOVING STORM SEWER, 24-INCH TO 30-INCH REQ'D
6 REMOVING BUSINESS SIGNS REQ'D
7 REMOVING PRIVATE LIGHT POLE REQ'D
CLEARING & GRUBBING REQ'D

NURSERY

795+00 NB

800+00 NB

805+00 NB

MATCH LINE 793+50 NB

MATCH LINE 808+50 NB

SLOPE INTERCEPT (TYP.)

TLE (ACQUIRED UNDER 5845-16-28 TPP)

TLE (ACQUIRED UNDER 5845-16-28 TPP)

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	REMOVALS	SHEET 33	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 0211004-rm

PLOT DATE : 7/28/2026 7:30 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

N

TOWER ROAD

SLOPE INTERCEPT (TYP.)

TLE (ACQUIRED UNDER 5845-16-28 TPP)

R/W

FLAG

SIGN

USH 51

MATCH LINE 808+50 NB

810+00 NB

815+00 NB

820+00 NB

USH 51 SB

USH 51 NB

R/W

CRANE COURT

1 REMOVING SMALL PIPE CULVERTS REQ'D
2 REMOVING FENCE REQ'D
3 REMOVING INLETS REQ'D
4 REMOVING STORM SEWER, 18-INCH OR LESS REQ'D
5 REMOVING STORM SEWER, 24-INCH TO 30-INCH REQ'D
6 REMOVING BUSINESS SIGNS REQ'D
7 REMOVING PRIVATE LIGHT POLE REQ'D
CLEARING & GRUBBING REQ'D

N

SLOPE INTERCEPT (TYP.)

11+00 BK

12+00 BK

13+00 BK

14+00 BK

15+00 BK

16+00 BK

17+00 BK

GROUNDSWELL WAY

MAHONEY ROAD

TLE

R/W

WELL

SEPC

SEPV

P.L.

A/C

MH

MATCHLINE 16+00 MH

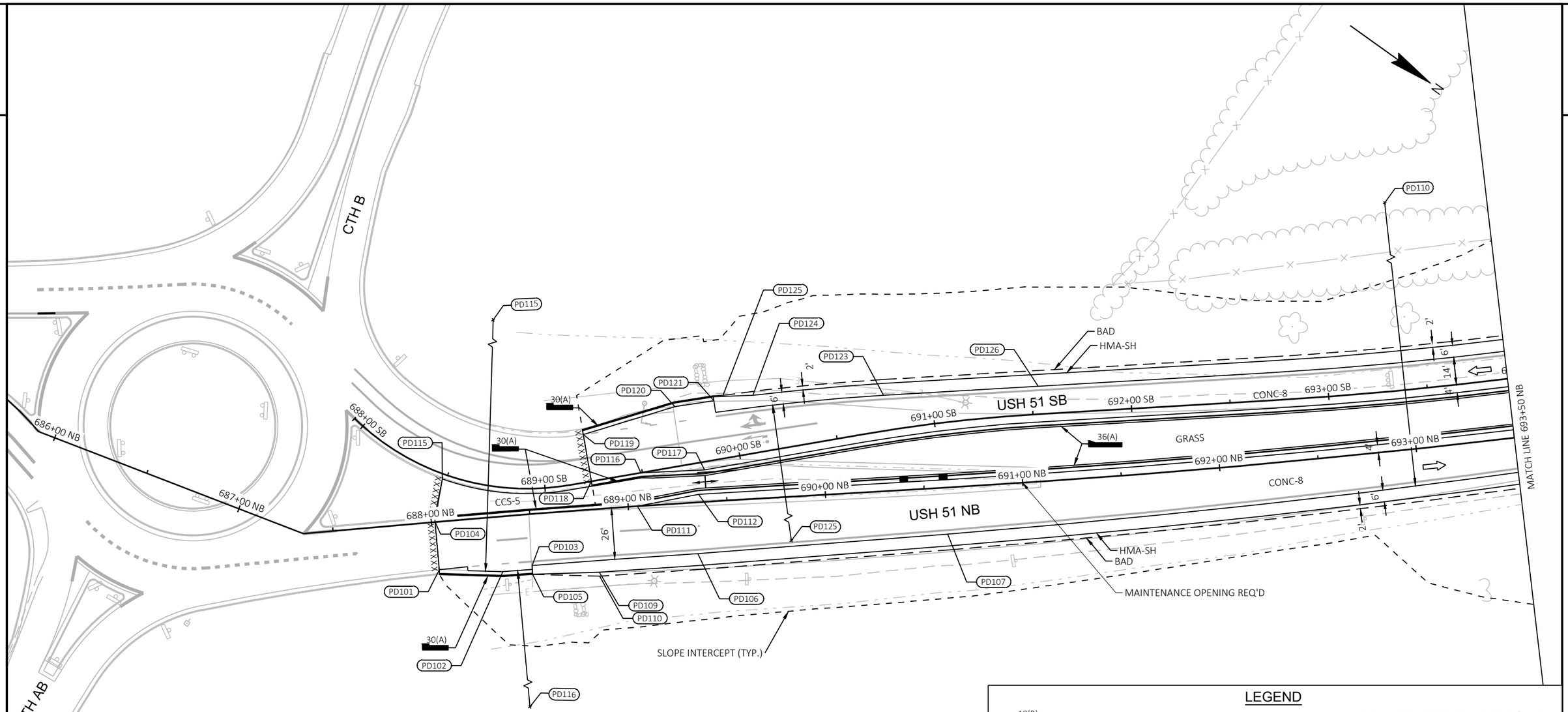
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	REMOVALS	SHEET 34	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 0211005-rm

PLOT DATE : 4/24/2026 10:35 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



NOTE: TRANSITION ASPHALTIC SHOULDER FROM 2% TO 4% OVER 53', BEGINNING AT POINT PD121.

LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)	BAD	BASE AGGREGATE DENSE 3/4-INCH
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A	CD-6	CONCRETE DRIVEWAY 6-INCH
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A	CONC-8	CONCRETE PAVEMENT 8-INCH
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R	HMA-SR	HMA PAVEMENT (SIDEROAD)
36(D)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D	HMA-SH	HMA PAVEMENT (SHOULDERS)
CRTA-12(R)	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED	A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED	XXX	LAYOUT POINT NUMBER
CS-5	CONCRETE SIDEWALK 5-INCH	//////	SAWING ASPHALT REQ'D
	PROPOSED INLET	XXXX	SAWING CONCRETE REQ'D
NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION			TRAFFIC FLOW

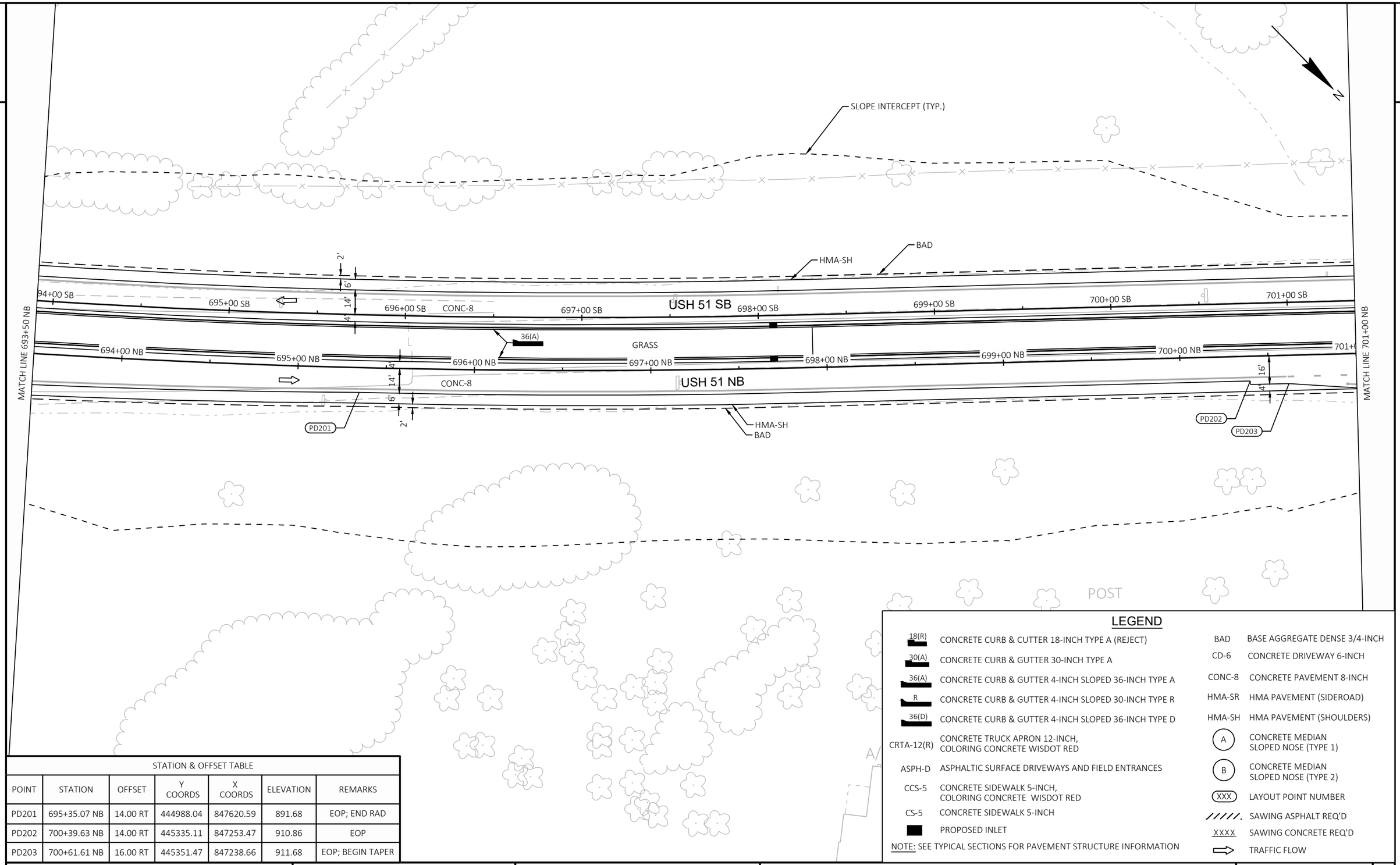
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN DETAILS	SHEET 35	E

2

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD101	688+01.90 NB	24.18 RT	444440.54	848109.28	---	EOP; BEGIN C&G; BEGIN TAPER; MATCH EXISTING
PD102	688+34.04 NB	27.94 RT	444467.29	848091.36	864.48	EOP
PD103	688+49.14 NB	26.00 RT	444477.49	848080.17	864.96	EOP; END C&G; BEGIN HMA SHOULDER; BEGIN RAD
PD104	688+01.90 NB	0.00 RT	444424.77	848090.96	---	EOP; BEGIN C&G; MATCH EXISTING
PD105	688+49.10 NB	30.50 RT	444480.37	848083.63	865.30	EDGE OF HMA SHOULDER; EDGE OF AGG SHOULDER; BEGIN TAPER
PD106	689+33.70 NB	26.00 RT	444542.21	848026.42	867.53	EOP; BEGIN TAPER
PD107	690+60.56 NB	23.49 RT	444639.08	847944.61	873.04	EOP; END TAPER; BEGIN RAD
PD108	656+97.09 NB	4539.20 LT	441374.60	844078.84	---	R=5060'
PD109	688+83.00 NB	32.00 RT	444507.13	848063.13	865.71	EDGE OF HMA SHOULDER; END TAPER
PD110	688+83.00 NB	34.00 RT	444508.41	848064.66	865.63	EDGE OF AGG SHOULDER; END TAPER
PD111	689+04.60 NB	0.00 RT	444503.27	848024.75	867.13	EOP, BEGIN TAPER; BEGIN SLOPED C&G
PD112	689+35.94 NB	4.02 LT	444524.96	848001.75	868.20	EOP, END TAPER
PD113	685+13.79 NB	1215.23 LT	443739.12	847033.80	---	R=1284'
PD114	688+30.83 NB	1323.94 RT	445304.86	849080.34	---	R=1296'
PD115	688+48.12 SB	2.50 RT	444415.12	848071.18	---	BACK OF CURB; MATCH EXISTING
PD116	689+49.15 SB	0.00 RT	444494.80	848010.02	866.76	EOP; BEGIN TAPER; BEGIN SLOPED C&G
PD117	689+81.15 SB	4.00 RT	444520.09	847990.01	867.82	EOP; END TAPER
PD118	689+23.79 SB	0.12 LT	444476.94	848028.02	---	EOP; BEGIN C&G; MATCH EXISTING
PD119	689+23.79 SB	24.00 LT	444459.91	848011.27	---	EOP; BEGIN C&G, BEGIN HMA SHOULDER, BEGIN TAPER; MATCH EXISTING
PD120	689+71.79 SB	29.97 LT	444489.31	847972.86	866.86	EDGE OF HMA SHOULDER; END TAPER

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD121	689+91.79 SB	29.63 LT	444503.58	847958.84	867.51	EDGE OF HMA SHOULDER; END C&G
PD122	689+64.53 SB	976.00 RT	445201.41	848683.46	---	R=1000'
PD123	690+76.61 SB	17.78 LT	444571.79	847906.55	870.79	EOP; END RAD; BEGIN TAPER
PD124	690+11.78 SB	28.89 LT	444518.12	847945.11	868.07	EDGE OF HMA SHOULDER; END TAPER
PD125	689+96.84 SB	31.48 LT	444505.80	847953.94	867.67	EDGE OF AGG SHOULDER; END TAPER
PD126	691+53.53 SB	14.00 LT	444632.79	847857.12	873.93	EOP; END TAPER

2



STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD201	695+35.07 NB	14.00 RT	444988.04	847620.59	891.68	EOP; END RAD
PD202	700+39.63 NB	14.00 RT	445335.11	847253.47	910.86	EOP
PD203	700+61.61 NB	16.00 RT	445351.47	847238.66	911.68	EOP; BEGIN TAPER

LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)	BAD	BASE AGGREGATE DENSE 3/4-INCH
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A	CD-6	CONCRETE DRIVEWAY 6-INCH
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A	CONC-8	CONCRETE PAVEMENT 8-INCH
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R	HMA-SR	HMA PAVEMENT (SIDEROAD)
36(D)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D	HMA-SH	HMA PAVEMENT (SHOULDERS)
CRTA-12(R)	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED	A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED	XXX	LAYOUT POINT NUMBER
CS-5	CONCRETE SIDEWALK 5-INCH	//////	SAWING ASPHALT REQ'D
	PROPOSED INLET	XXXX	SAWING CONCRETE REQ'D
NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION			TRAFFIC FLOW

2

LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)	BAD	BASE AGGREGATE DENSE 3/4-INCH
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A	CD-6	CONCRETE DRIVEWAY 6-INCH
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A	CONC-8	CONCRETE PAVEMENT 8-INCH
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R	HMA-SR	HMA PAVEMENT (SIDEROAD)
36(D)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D	HMA-SH	HMA PAVEMENT (SHOULDERS)
CRTA-12(R)	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED	A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED	XXX	LAYOUT POINT NUMBER
CS-5	CONCRETE SIDEWALK 5-INCH		SAWING ASPHALT REQ'D
	PROPOSED INLET	XXXX	SAWING CONCRETE REQ'D
NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION			TRAFFIC FLOW

N

MATCH LINE 6+50 DR

DYRESON ROAD

HMA-SR

1.48 %

7+00 DC

8+00 DC

6+00 DC

20'

3'

BAD

PD334 PD340 PD343 PD339 PD338 PD342 PD335 PD336 PD337 PD344

SIGN POST

SLOPE INTERCEPT (TYP.)

MAINTENANCE OPENING REQ'D

PD315 PD322 PD320

BAD HMA-SH

2' 6' 14' 4'

USH 51 SB

702+00 SB 703+00 SB 704+00 SB CONC-8 705+00 SB 706+00 SB 707+00 SB 708+00 SB

MATCH LINE 701+00 NB

MATCH LINE 708+50 NB

36(A) GRASS A PD324 PD318 PD325 PD327 PD319 PD321 CS-5 12'

702+00 NB 703+00 NB 704+00 NB 705+00 NB 706+00 NB 707+00 NB 708+00 NB

USH 51 NB

CONC-8 PD314 PD305 4' 12' 5' 12' 1' 2'

PD311 PD312 PD313 16' 14' 6' 2' HMA-SH BAD

PD308

-2.9% -2.9%

BAD PD302 PD301 HMA-SH PD303

PD304 PD323 DYRESON ROAD PD310 PD309 PD326 36(A) MATCH LINE 12+00 DY

PD307 PD329 ASPHALTIC FLUMES REQ'D 15' 15' PD331

36(A) PD328 PD306 PD330 ASPHALTIC FLUMES REQ'D

11+00 DY

BAD -2.0% -2.0% HMA-SR PD333 PD332 2' 12' 12' 12'

MATCH LINE 12+00 DY

DYRESON ROAD HMA-SR 13+00 DY SLOPE INTERCEPT (TYP.) PD345

-2.0% 12' 12' 2' 2' 2.0% PD317 PD316 PD347 PD346 PD348

2.1% 2.0% 00 DY PD349 PD341

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN DETAILS	SHEET 38	E

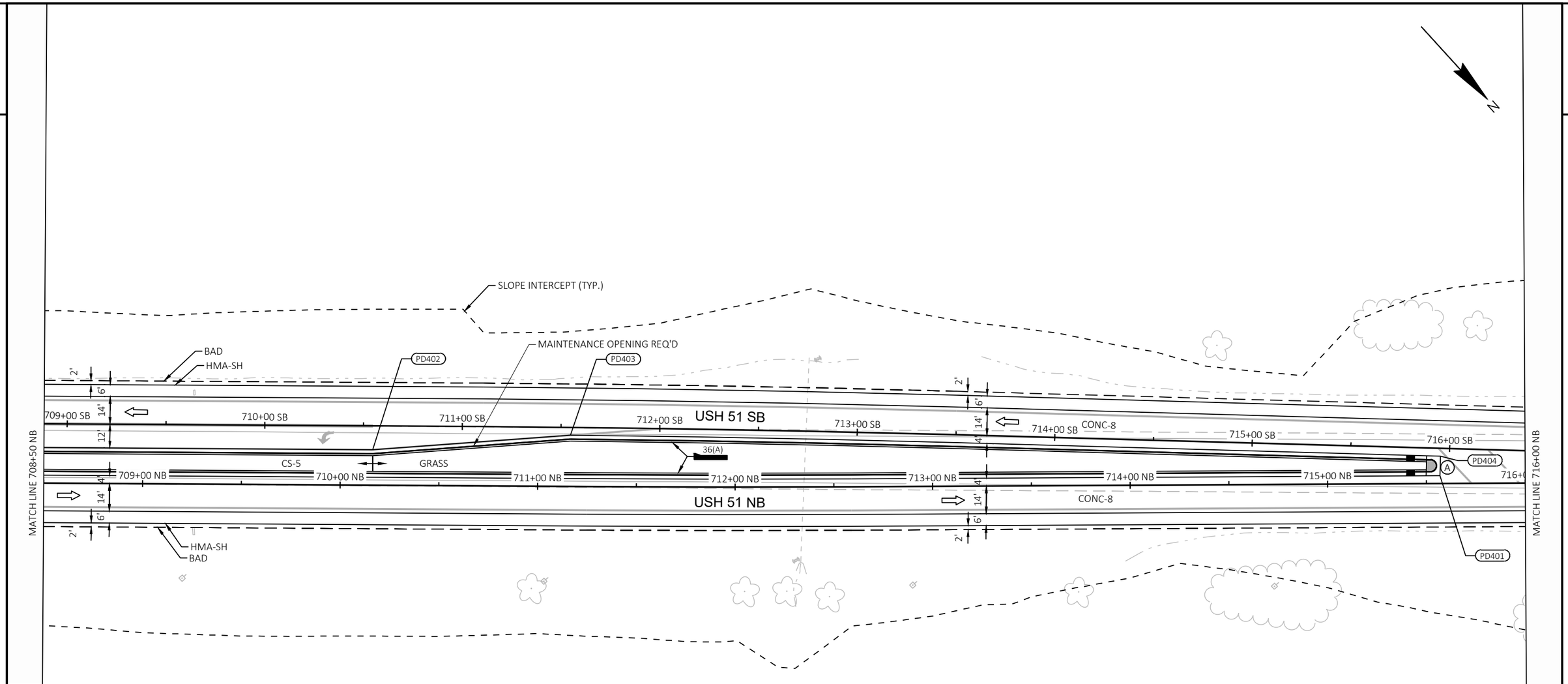
FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021203-pd
PLOT DATE : 4/20/2026 1:39 PM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD301	701+05.75 NB	20.00 RT	445384.31	847208.90	913.34	END HMA SHOULDER
PD302	701+16.74 NB	22.00 RT	445393.23	847202.18	913.72	EDGE OF AGG SHOULDER; BEGIN TAPER
PD303	702+27.15 NB	31.00 RT	445474.65	847127.06	917.90	EOP; END TAPER
PD304	705+19.15 NB	29.52 RT	445671.38	846911.28	927.77	EOP; END AGG SHOULDER; BEGIN ASPH FLUME
PD305	705+27.13 NB	29.00 RT	445676.41	846905.06	928.01	EOP; END ASPH FLUME; BEGIN C&G
PD306	705+27.13 NB	89.00 RT	445720.54	846945.71	---	R=60'
PD307	706+55.58 NB	69.00 RT	445792.86	846837.67	---	R=40'
PD308	706+55.58 NB	29.00 RT	445763.44	846810.57	931.39	EOP; END C&G
PD309	706+55.58 NB	32.00 RT	445765.64	846812.60	931.65	EOP; BEGIN AGG SHOULDER; BEGIN TAPER
PD310	706+59.00 NB	34.38 RT	445769.71	846811.70	931.32	EDGE OF AGG SHOULDER; END TAPER; BEGIN TAPER
PD311	707+15.61 NB	20.00 RT	445797.48	846760.33	932.97	EOP; BEGIN HMA SHOULDER
PD312	707+35.61 NB	16.00 RT	445808.09	846742.90	933.48	EOP; END TAPER
PD313	707+45.61 NB	14.00 RT	445813.39	846734.19	933.74	EOP
PD314	705+34.12 NB	4.00 LT	445656.87	846877.56	928.87	EOP; BEGIN RAD
PD315	705+72.45 SB	24.00 LT	445620.09	846843.69	---	R=50'
PD316	13+97.67 DY	9.74 LT	446068.98	846928.39	---	EOP; END TAPER; SAWING ASPHALT; MATCH EXISTING
PD317	13+64.37 DY	12.02 LT	446035.68	846926.13	922.60	EOP; BEGIN TAPER
PD318	705+62.71 NB	12.98 LT	445669.63	846850.44	930.08	EOP; END RAD
PD319	706+37.70 NB	7.72 LT	445724.31	846798.85	931.75	EOP; BEGIN RAD
PD320	706+94.96 SB	24.00 LT	445703.09	846753.58	---	R=50'
PD321	706+56.62 NB	4.00 LT	445739.87	846787.45	932.09	EOP; END RAD
PD322	705+72.45 SB	4.00 RT	445640.69	846862.66	929.71	EOP; BEGIN RAD
PD323	705+34.12 NB	34.00 RT	445684.82	846903.31	---	R=60'
PD324	706+01.04 SB	11.25 RT	445665.40	846846.54	930.39	EOP; END RAD
PD325	706+76.03 SB	15.06 RT	445719.00	846793.96	932.11	EOP; BEGIN RAD

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD326	706+56.62 NB	42.00 RT	445773.70	846818.61	---	R=60'
PD327	706+94.96 SB	12.00 RT	445729.57	846777.97	932.80	EOP; END RAD
PD328	10+78.83 DY	15.00 RT	445754.26	846896.07	928.65	EOP; END C&G; END CONC PAVT; BEGIN ASPH FLUME; BEGIN HMA PAVT
PD329	10+77.94 DY	15.00 LT	445770.38	846870.76	928.89	EOP; END C&G; END CONC PAVT; BEGIN ASPH FLUME; BEGIN HMA PAVT
PD330	10+86.82 DY	15.19 RT	445760.77	846900.72	928.51	EOP; END ASPH FLUME; BEGIN TAPER; BEGIN AGG SHOULDER
PD331	10+85.94 DY	15.00 LT	445777.00	846875.25	928.62	EOP; END ASPH FLUME; BEGIN TAPER; BEGIN AGG SHOULDER
PD332	11+36.76 DY	12.00 RT	445806.44	846925.11	927.60	EOP; END TAPER
PD333	11+36.76 DY	12.00 LT	445817.07	846903.59	927.12	EOP; END TAPER
PD334	5+34.76 DC	10.04 LT	445215.09	846921.70	---	MATCH EXISITING
PD336	6+05.24 DC	30.00 LT	445285.23	846902.57	925.03	EOP; END RAD; BEGIN RAD
PD337	6+45.24 DC	0.00 RT	445325.39	846932.36	---	R=50'
PD338	6+05.24 DC	30.00 RT	445285.54	846962.57	924.43	EOP; END RAD; BEGIN RAD
PD339	5+66.62 DC	60.48 RT	445245.70	846992.77	---	R=50'
PD340	5+34.77 DC	10.54 RT	445214.74	846942.27	---	MATCH EXISTING
PD341	14+11.27 DY	11.53 RT	446082.60	846949.65	---	EOP; END TAPER; SAWING ASPHALT; MATCH EXISTING
PD342	5+64.77 DC	10.00 LT	445245.09	846922.27	924.13	EOP; END RADIUS
PD343	5+65.70 DC	10.49 RT	445245.67	846942.77	924.17	EOP; END RADIUS
PD344	6+95.24 DC	0.00 LT	445375.38	846932.10	926.07	CL ELEVATION
PD345	13+07.47 DY	0.00 RT	445978.79	846938.19	923.59	CENTERLINE ELEVATION
PD346	13+47.05 DY	0.00 RT	446018.37	846938.16	922.98	CENTERLINE ELEVATION
PD347	13+46.97 DY	12.00 RT	446018.29	846950.16	923.01	EOP; BEGIN TAPER
PD348	13+58.97 DY	15.00 RT	446030.30	846953.16	922.67	EOP; END TAPER
PD349	13+99.54 DY	15.00 RT	446070.87	846953.13	921.99	EOP; BEGIN TAPER

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LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
36(D)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CRTA-12(R)	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED
CS-5	CONCRETE SIDEWALK 5-INCH
	PROPOSED INLET
NOTE:	SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION

BAD	BASE AGGREGATE DENSE 3/4-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CONC-8	CONCRETE PAVEMENT 8-INCH
HMA-SR	HMA PAVEMENT (SIDEROAD)
HMA-SH	HMA PAVEMENT (SHOULDERS)
A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
XXX	LAYOUT POINT NUMBER
//////	SAWING ASPHALT REQ'D
XXXX	SAWING CONCRETE REQ'D
	TRAFFIC FLOW

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD401	715+56.85 NB	4.00 LT	446346.49	846122.39	940.17	EOP
PD402	710+54.77 SB	12.00 RT	445973.33	846513.31	940.22	EOP; BEGIN TAPER
PD403	711+54.77 SB	4.00 RT	446035.25	846434.41	941.09	EOP; END TAPER
PD404	715+95.48 SB	4.00 RT	446339.40	846115.57	940.56	EOP

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN DETAILS	SHEET 40 E

2

2

LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
36(D)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CRTA-12(R)	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED
CS-5	CONCRETE SIDEWALK 5-INCH
	PROPOSED INLET

NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION

BAD	BASE AGGREGATE DENSE 3/4-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CONC-8	CONCRETE PAVEMENT 8-INCH
HMA-SR	HMA PAVEMENT (SIDEROAD)
HMA-SH	HMA PAVEMENT (SHOULDERS)
A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
XXX	LAYOUT POINT NUMBER
	SAWING ASPHALT REQ'D
XXXX	SAWING CONCRETE REQ'D
	TRAFFIC FLOW

SLOPE INTERCEPT (TYP.)

MATCH LINE 716+00 NB

MATCH LINE 723+50 NB

717+00 SB

USH 51 SB

718+00 SB

CONC-8

719+00 SB

720+00 SB

721+00 SB

722+00 SB

722+00 NB

721+00 NB

720+00 NB

719+00 NB

718+00 NB

717+00 NB

00 NB

USH 51 NB

CONC-8

USH 51

723+00 NB

CONC-8

BAD

HMA-SH

2'

6"

14'

14'

6"

2'

HMA-SH

BAD

PD501

PD502

PD503

PD504

PD505

PD506

PD507

PD508

PD509

PD510

ASPH-D

SIGN

SIGN

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN DETAILS	SHEET 41 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021205-pd

PLOT DATE : 4/20/2026 1:39 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD501	722+43.26 NB	20.00 LT	446795.26	845602.47	928.71	EDGE OF HMA SHOULDER; BEGIN TAPER; BEGIN ASPH DWY
PD502	722+51.26 NB	22.00 LT	446799.22	845595.23	928.47	EDGE OF ASPH DWY; END TAPER; END AGG SHOULDER; BEGIN RAD
PD503	722+42.54 NB	40.00 LT	446780.08	845589.42	---	R=20'
PD504	722+62.46 NB	38.16 LT	446794.95	845576.04	927.60	EDGE OF ASPH DWY; END RAD
PD505	722+63.90 NB	53.99 LT	446784.30	845564.24	---	EDGE OF ASPH DWY; SAWING ASPHALT; MATCH EXISTING
PD506	722+78.76 NB	53.75 LT	446794.56	845553.49	---	EDGE OF ASPH DWY; SAWING ASPHALT; MATCH EXISTING
PD507	722+79.92 NB	38.48 LT	446806.57	845563.00	927.25	EDGE OF ASPH DWY; BEGIN RAD
PD508	722+99.87 NB	40.00 LT	446818.99	845547.32	---	R=20'
PD509	722+91.15 NB	22.00 LT	446826.29	845565.94	927.68	EDGE OF ASPH DWY; END RAD; BEGIN AGG SHOULDER; BEGIN TAPER
PD510	722+99.15 NB	20.00 LT	446833.19	845561.42	927.61	EDGE OF HMA SHOULDER; END TAPER; END ASPH DWY

2

2

N

MATCH LINE 723+50 NB

MATCH LINE 731+00 NB

PD609
PD610
PD608
PD605
PD604
PD607
PD611
PD612
PD606
PD614
PD603
PD602
PD615
PD601
PD613
PD616

BAD

HMA-SH

SLOPE INTERCEPT (TYP.)

2'
6'
14'
14'
6'
2'

724+00 NB
725+00 NB
726+00 NB
727+00 NB
728+00 NB
729+00 NB
730+00 NB

USH 51

CONC-8

HMA-SH
BAD

PD617
PD618
PD619
PD620
PD621

BAD

PD626
PD625
PD624
PD623
PD622

LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)	BAD	BASE AGGREGATE DENSE 3/4-INCH
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A	CD-6	CONCRETE DRIVEWAY 6-INCH
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A	CONC-8	CONCRETE PAVEMENT 8-INCH
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R	HMA-SR	HMA PAVEMENT (SIDEROAD)
36(D)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D	HMA-SH	HMA PAVEMENT (SHOULDERS)
CRTA-12(R)	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED	A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED	XXX	LAYOUT POINT NUMBER
CS-5	CONCRETE SIDEWALK 5-INCH	//////	SAWING ASPHALT REQ'D
	PROPOSED INLET	XXXX	SAWING CONCRETE REQ'D
NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION			TRAFFIC FLOW

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN DETAILS	SHEET 43	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021206-pd

PLOT DATE : 4/20/2026 1:39 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD601	724+22.23 NB	20.00 LT	446918.82	845465.82	925.00	EDGE OF HMA SHOULDER; BEGIN TAPER; BEGIN ASPH DWY
PD602	724+30.23 NB	22.00 LT	446920.68	845463.80	924.95	EDGE OF AGG DWY; END TAPER; END AGG SHOULDER; BEGIN RAD
PD603	724+21.51 NB	40.00 LT	446901.55	845457.98	---	R=20'
PD604	724+41.48 NB	38.84 LT	446915.95	845444.11	923.67	EDGE OF AGG DWY; END RAD
PD605	724+41.68 NB	42.24 LT	446913.59	845441.66	923.45	EDGE OF AGG DWY; BEGIN RAD
PD606	724+71.62 NB	40.47 LT	446935.21	845420.86	---	R=30'
PD607	724+47.94 NB	58.89 LT	446905.61	845425.75	922.31	EDGE OF AGG DWY; END RAD
PD608	724+59.67 NB	73.97 LT	446902.50	845406.91	---	EDGE OF AGG DWY; MATCH EXISTING
PD609	724+66.78 NB	68.61 LT	446911.25	845405.32	---	EDGE OF AGG DWY; MATCH EXISTING
PD610	724+64.15 NB	64.91 LT	446912.19	845409.76	921.34	EDGE OF AGG DWY; BEGIN RAD
PD611	724+88.39 NB	47.23 LT	446941.63	845403.97	---	R=30'
PD612	724+58.44 NB	48.96 LT	446920.03	845424.78	921.34	EDGE OF AGG DWY; END RAD
PD613	724+57.98 NB	41.16 LT	446925.45	845430.41	923.07	EDGE OF AGG DWY; BEGIN RAD
PD614	724+77.95 NB	40.00 LT	446939.85	845416.53	---	R=30'
PD615	724+69.23 NB	22.00 LT	446947.16	845435.15	924.18	EDGE OF AGG DWY; END RAD; BEGIN TAPER ; BEGIN AGG SHOULDER
PD616	724+77.95 NB	20.00 LT	446949.02	845433.13	924.13	EDGE OF HMA SHOULDER; END TAPER; END ASPH DWY

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD617	729+50.90 NB	20.00 RT	447309.91	845119.04	914.40	EDGE OF HMA SHOULDER, BEGIN TAPER; BEGIN ASPH DWY
PD618	729+58.91 NB	22.02 RT	447316.85	845112.53	914.21	EDGE OF AGG DWY; END TAPER; END AGG SHOULDER; BEIGN RAD
PD619	729+52.83 NB	30.00 RT	447317.90	845122.47	---	R=10'
PD620	729+62.86 NB	28.93 RT	447324.43	845114.90	913.59	EDGE OF AGG DWY; END RAD
PD621	729+63.42 NB	34.00 RT	447328.29	845118.23	---	EDGE OF AGG DWY; MATCH EXISTING
PD622	729+84.29 NB	33.99 RT	447343.44	845104.20	---	EDGE OF AGG DWY; MATH EXISTING
PD623	729+83.96 NB	31.14 RT	447341.27	845102.32	913.00	EDGE OF AGG DWY; BEGIN RAD
PD624	729+93.99 NB	30.00 RT	447347.82	845094.76	---	R=10'
PD625	729+87.91 NB	22.02 RT	447337.98	845092.96	913.64	EDGE OF AGG DWY; END RAD; BEGIN TAPER; BEGIN AGG SHOULDER
PD626	729+95.96 NB	20.00 RT	447345.66	845085.94	913.44	EDGE OF HMA SHOULDER; END TAPER; END ASPH DWY

2

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LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
36(D)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CRTA-12(R)	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED
CS-5	CONCRETE SIDEWALK 5-INCH
	PROPOSED INLET

NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION

BAD	BASE AGGREGATE DENSE 3/4-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CONC-8	CONCRETE PAVEMENT 8-INCH
HMA-SR	HMA PAVEMENT (SIDEROAD)
HMA-SH	HMA PAVEMENT (SHOULDERS)
A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
XXX	LAYOUT POINT NUMBER
	SAWING ASPHALT REQ'D
XXXX	SAWING CONCRETE REQ'D
	TRAFFIC FLOW

BAD
HMA-SH
2"
6"
14"
14"
6"
2"
HMA-SH
BAD
MATCH LINE 731+00 NB
00 NB
732+00 NB
733+00 NB
734+00 NB
735+00 NB
USH 51
736+00 NB
737+00 NB
738+00 NB
CONC-8
MATCH LINE 738+50 NB
SLOPE INTERCEPT (TYP.)

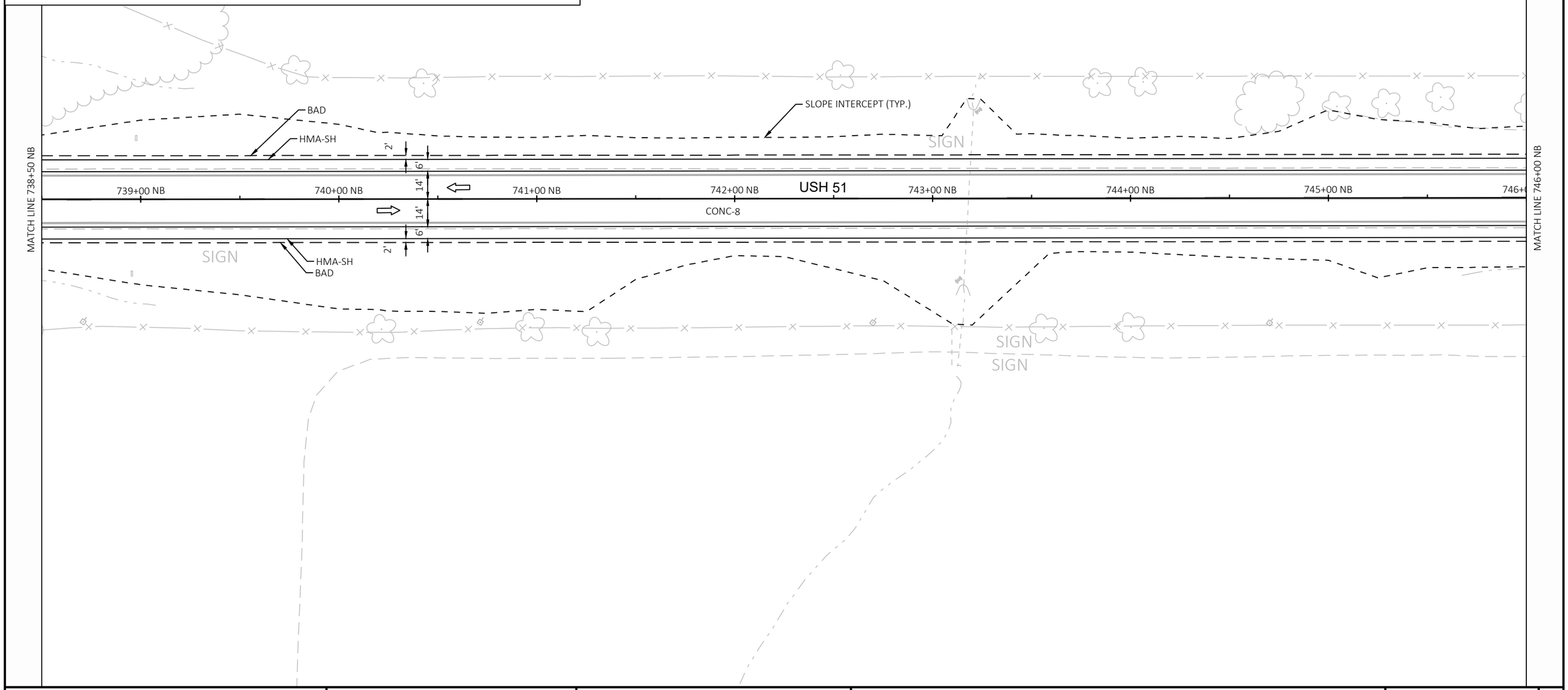
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN DETAILS	SHEET 45 E

LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
36(D)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CRTA-12(R)	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED
CS-5	CONCRETE SIDEWALK 5-INCH
	PROPOSED INLET

NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION

BAD	BASE AGGREGATE DENSE 3/4-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CONC-8	CONCRETE PAVEMENT 8-INCH
HMA-SR	HMA PAVEMENT (SIDEROAD)
HMA-SH	HMA PAVEMENT (SHOULDERS)
A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
XXX	LAYOUT POINT NUMBER
//////	SAWING ASPHALT REQ'D
XXXX	SAWING CONCRETE REQ'D
	TRAFFIC FLOW



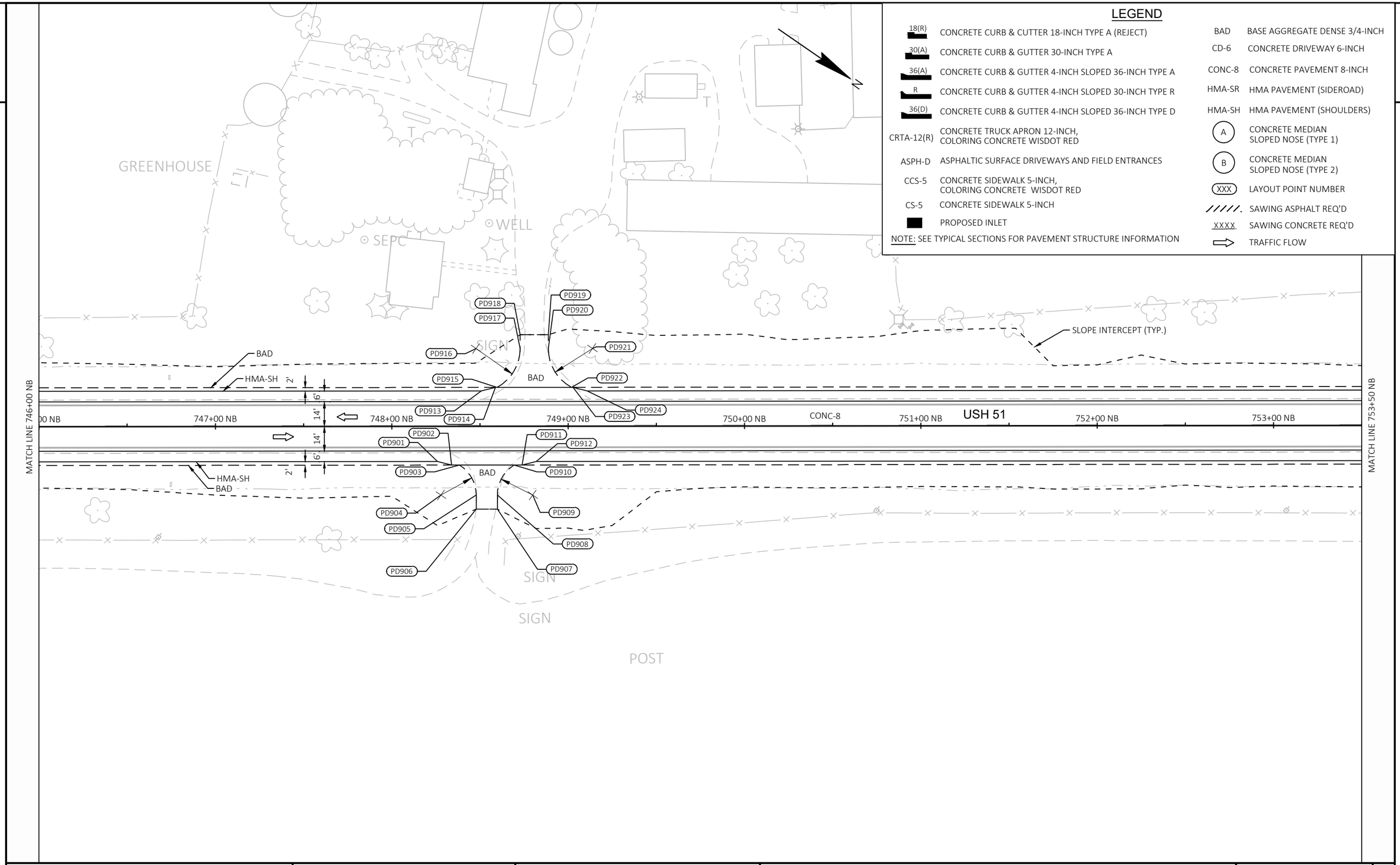
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LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
36(D)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CRTA-12(R)	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED
CS-5	CONCRETE SIDEWALK 5-INCH
	PROPOSED INLET

NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION

BAD	BASE AGGREGATE DENSE 3/4-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CONC-8	CONCRETE PAVEMENT 8-INCH
HMA-SR	HMA PAVEMENT (SIDEROAD)
HMA-SH	HMA PAVEMENT (SHOULDERS)
A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
XXX	LAYOUT POINT NUMBER
	SAWING ASPHALT REQ'D
XXXX	SAWING CONCRETE REQ'D
	TRAFFIC FLOW



PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN DETAILS	SHEET 47	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021209-pd

PLOT DATE : 4/20/2026 1:39 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

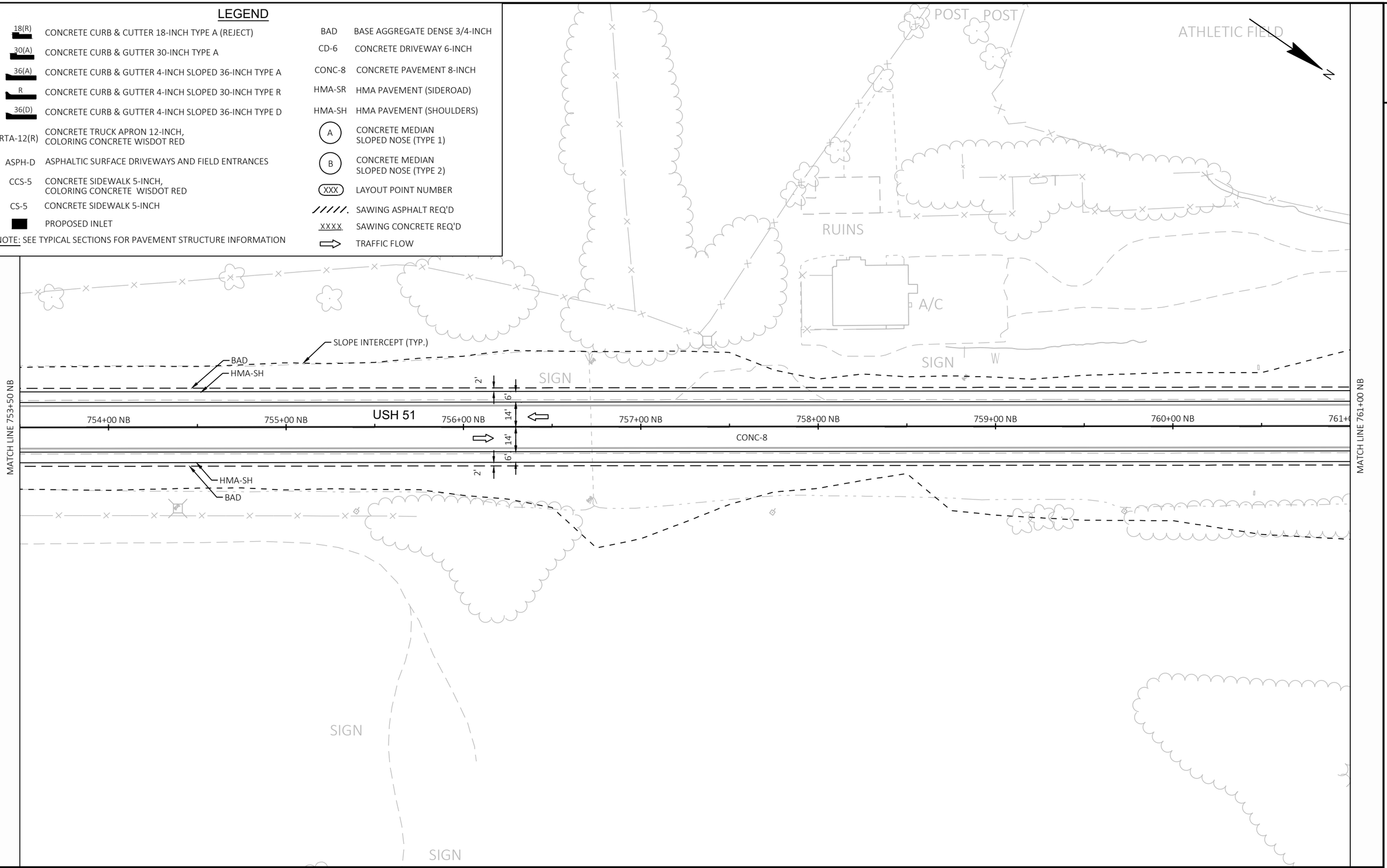
STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD901	748+25.84 NB	20.00 RT	448827.72	844023.58	894.81	EDGE OF HMA SHOULDER; BEGIN TAPER
PD902	748+33.84 NB	22.00 RT	448835.44	844020.67	894.83	EDGE OF HMA SHOULDER; END TAPER, END AGG SHOULDER
PD903	748+38.38 NB	22.00 RT	448839.17	844018.09	894.89	EDGE OF HMA SHOULDER; BEGIN RAD; BEGIN AGG DWY
PD904	748+27.84 NB	39.00 RT	448840.17	844038.07	---	R=20'
PD905	748+47.84 NB	39.00 RT	448856.62	844026.69	895.65	EDGE OF AGG DWY; END RAD
PD906	748+47.84 NB	47.00 RT	448861.17	844033.27	---	EDGE OF AGG DWY; MATCH EXISTING
PD907	748+59.84 NB	47.00 RT	448871.04	844026.44	---	EDGE OF AGG DWY; MATCH EXISTING
PD908	748+59.84 NB	39.00 RT	448866.49	844019.86	895.76	EDGE OF AGG DWY; BEGIN RAD
PD909	748+79.84 NB	39.00 RT	448882.94	844008.49	---	R=20'
PD910	748+69.31 NB	22.00 RT	448864.60	844000.50	895.30	EDGE OF HMA SHOULDER; END RAD; END AGG DWY
PD911	748+73.84 NB	22.00 RT	448868.33	843997.92	895.36	EDGE OF HMA SHOULDER; BEGIN TAPER; BEGIN AGG SHOULDER
PD912	748+81.84 NB	20.00 RT	448873.78	843991.72	895.54	EDGE OF HMA SHOULDER; END TAPER
PD913	748+50.80 NB	20.00 LT	448825.49	843976.49	895.14	EDGE OF HMA SHOULDER; BEGIN TAPER
PD914	748+58.80 NB	22.00 LT	448830.93	843970.29	895.16	EDGE OF HMA SHOULDER; END TAPER; END AGG SHOULDER
PD915	748+59.68 NB	22.00 LT	448831.65	843969.79	895.17	EDGE OF HMA SHOULDER, BEGIN RAD; BEGIN AGG DWY
PD916	748+47.80 NB	44.00 LT	448809.37	843958.46	---	R=25'

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD917	748+72.80 NB	44.00 LT	448829.93	843944.23	896.63	EDGE OF AGG DWY; END RAD
PD918	748+72.81 NB	51.82 LT	448825.49	843937.80	---	EDGE OF AGG DWY; MATCH EXISTING
PD919	748+88.80 NB	51.80 LT	448838.65	843928.71	---	EDGE OF AGG DWY; MATCH EXISTING
PD920	748+88.80 NB	44.00 LT	448843.09	843935.13	896.69	EDGE OF AGG DWY; BEGIN RAD
PD921	749+13.80 NB	44.00 LT	448863.65	843920.91	---	R=25'
PD922	749+01.93 NB	22.00 LT	448866.40	843945.76	895.73	EDGE OF HMA SHOULDER; END RAD; END AGG DWY
PD923	749+02.80 NB	22.00 LT	448867.12	843945.26	895.74	EDGE OF HMA SHOULDER; BEGIN TAPER, BEGIN AGG SHOULDER
PD924	749+10.80 NB	20.00 LT	448874.83	843942.35	895.92	EDGE OF HMA SHOULDER; END TAPER

LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
36(D)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CRTA-12(R)	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED
CS-5	CONCRETE SIDEWALK 5-INCH
	PROPOSED INLET
BAD	BASE AGGREGATE DENSE 3/4-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CONC-8	CONCRETE PAVEMENT 8-INCH
HMA-SR	HMA PAVEMENT (SIDEROAD)
HMA-SH	HMA PAVEMENT (SHOULDERS)
A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
XXX	LAYOUT POINT NUMBER
	SAWING ASPHALT REQ'D
XXXX	SAWING CONCRETE REQ'D
	TRAFFIC FLOW

NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION



2

2

LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
36(D)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CRTA-12(R)	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED
CS-5	CONCRETE SIDEWALK 5-INCH
	PROPOSED INLET

NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION

BAD	BASE AGGREGATE DENSE 3/4-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CONC-8	CONCRETE PAVEMENT 8-INCH
HMA-SR	HMA PAVEMENT (SIDEROAD)
HMA-SH	HMA PAVEMENT (SHOULDERS)
A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
XXX	LAYOUT POINT NUMBER
//////	SAWING ASPHALT REQ'D
XXXX	SAWING CONCRETE REQ'D
⇨	TRAFFIC FLOW

STA. 767+31.29 NB LT - STA. 767+84.37 NB LT MGS EAT TERMINAL
- EAT POST #1, STA. 767+31.29 NB, 24.0' LT
- EAT POST #5, STA. 767+56.27 NB, 23.1' LT
- EAT POST #9, STA. 767+81.25 NB, 22.1' LT

STA. 767+84.37 NB LT - STA. 770+34.37 NB LT MGS 3

STA. 766+12.53 NB RT - STA. 766+65.62 NB RT MGS EAT TERMINAL
- EAT POST #1, STA. 766+12.53 NB, 24.0' RT
- EAT POST #5, STA. 766+37.52 NB, 23.1' RT
- EAT POST #9, STA. 766+62.50 NB, 22.1' RT

STA. 766+65.62 NB RT - STA. 769+68.71 NB RT MGS 3

Ⓐ MISSING POST REQUIRED. SEE "POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION" IN SDD "MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL" FOR ADDITIONAL INFORMATION.

MATCH LINE 761+00 NB

MATCH LINE 768+50 NB

PD1101 PD1102 PD1103 PD1104 PD1105 PD1106 PD1107 PD1108 PD1109 PD1110 PD1111 PD1112 PD1113 PD1114 PD1115 PD1116 PD1117 PD1118 PD1119 PD1120 PD1121 PD1122 PD1123 PD1124 PD1125 PD1126 PD1127 PD1128 PD1129 PD1130

ASPH-D

BAD

HMA-SH

SLOPE INTERCEPT (TYP.)

762+00 NB 763+00 NB CONC-8 764+00 NB 765+00 NB 766+00 NB USH 51 767+00 NB 768+00 NB

2' 6' 14' 14' 6' 2'

8' 8' 8' 8'

SIGN

POST

C-13-2093

KEENAN'S CREEK

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN DETAILS	SHEET 50	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021211-pd

PLOT DATE : 8/25/2026 5:41 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD1101	761+86.00 NB	20.00 LT	449923.57	843216.89	871.69	EDGE OF HMA SHOULDER; BEGIN TAPER; BEGIN ASPH DWY
PD1102	761+94.00 NB	22.00 LT	449929.01	843210.69	871.29	EDGE OF ASPH DWY; END TAPER; END AGG SHOULDER; BEGIN RAD
PD1103	761+85.62 NB	40.16 LT	449911.79	843200.52	---	R=20'
PD1104	762+05.62 NB	40.14 LT	449928.25	843189.16	870.40	EDGE OF ASPH DWY; END RAD
PD1105	762+05.64 NB	56.28 LT	449919.08	843175.88	---	EDGE OF ASPH DWY; SAWING ASPHALT; MATCH EXISTING
PD1106	762+40.64 NB	60.18 LT	449945.65	843152.76	---	EDGE OF ASPH DWY; SAWING ASPHALT; MATCH EXISTING
PD1107	762+40.62 NB	40.10 LT	449957.05	843169.28	869.42	EDGE OF ASPH DWY; BEGIN RAD
PD1108	762+60.62 NB	40.08 LT	449973.51	843157.92	---	R=20'
PD1109	762+52.08 NB	22.00 LT	449976.77	843177.65	868.99	EDGE OF ASPH DWY; END RAD; BEGIN TAPER; BEGIN AGG SHOULDER
PD1110	762+60.08 NB	20.00 LT	449984.49	843174.75	868.75	EDGE OF HMA SHOULDER; END TAPER; END ASPH DWY
PD1111	762+61.10 NB	20.00 RT	450008.09	843207.06	868.71	EDGE OF HMA SHOULDER; BEGIN TAPER
PD1112	762+69.10 NB	22.00 RT	450015.80	843204.16	868.31	EDGE OF HMA SHOULDER; END TAPER; END AGG SHOULDER
PD1113	762+69.98 NB	22.00 RT	450016.52	843203.66	868.28	EDGE OF HMA SHOULDER; BEGIN RAD; BEGIN AGG DWY
PD1114	762+58.10 NB	44.00 RT	450019.27	843228.51	---	R=25'
PD1115	762+83.08 NB	42.95 RT	450039.22	843213.43	866.61	EDGE OF AGG DWY; END RAD

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD1116	762+83.10 NB	51.64 RT	450044.18	843220.57	---	EDGE OF AGG DWY; MATCH EXISTING
PD1117	763+06.86 NB	51.49 RT	450063.63	843206.93	---	EDGE OF AGG DWY; MATCH EXISTING
PD1118	763+06.86 NB	44.00 RT	450059.37	843200.77	866.09	EDGE OF AGG DWY; BEGIN RAD
PD1119	763+31.86 NB	44.00 RT	450079.93	843186.55	---	R=25'
PD1120	763+19.98 NB	22.00 RT	450057.65	843175.21	866.26	EDGE OF HMA SHOULDER; END RAD; END AGG DRIVEWAY
PD1121	763+20.86 NB	22.00 RT	450058.37	843174.71	866.26	EDGE OF HMA SHOULDER; BEGIN TAPER; BEGIN AGG SHOULDER
PD1122	763+28.86 NB	20.00 RT	450063.81	843168.52	866.03	EDGE OF HMA SHOULDER; END TAPER
PD1123	764+93.46 NB	22.00 RT	450200.32	843076.52	860.40	EDGE OF AGG SHOULDER; BEGIN TRANSITION
PD1124	765+72.53 NB	20.00 RT	450264.21	843029.89	858.44	EDGE OF HMA SHOULDER; BEGIN TRANSITION
PD1125	766+12.53 NB	24.00 RT	450299.38	843010.42	857.40	EDGE OF HMA SHOULDER; END TRANSITION
PD1126	766+12.53 NB	29.94 RT	450302.76	843015.30	856.81	EDGE OF AGG SHOULDER; END TRANSITION
PD1127	766+12.22 NB	22.00 LT	450272.95	842972.77	857.49	EDGE OF AGG SHOULDER; BEGIN TRANSITION
PD1128	766+91.29 NB	20.00 LT	450339.12	842929.43	856.15	EDGE OF HMA SHOULDER; BEGIN TRANSITION
PD1129	767+31.29 NB	24.00 LT	450369.74	842903.39	855.43	EDGE OF HMA SHOULDER; END TRANSITION
PD1130	767+31.29 NB	29.94 LT	450366.36	842898.50	854.83	EDGE OF AGG SHOULDER; END TRANSITION

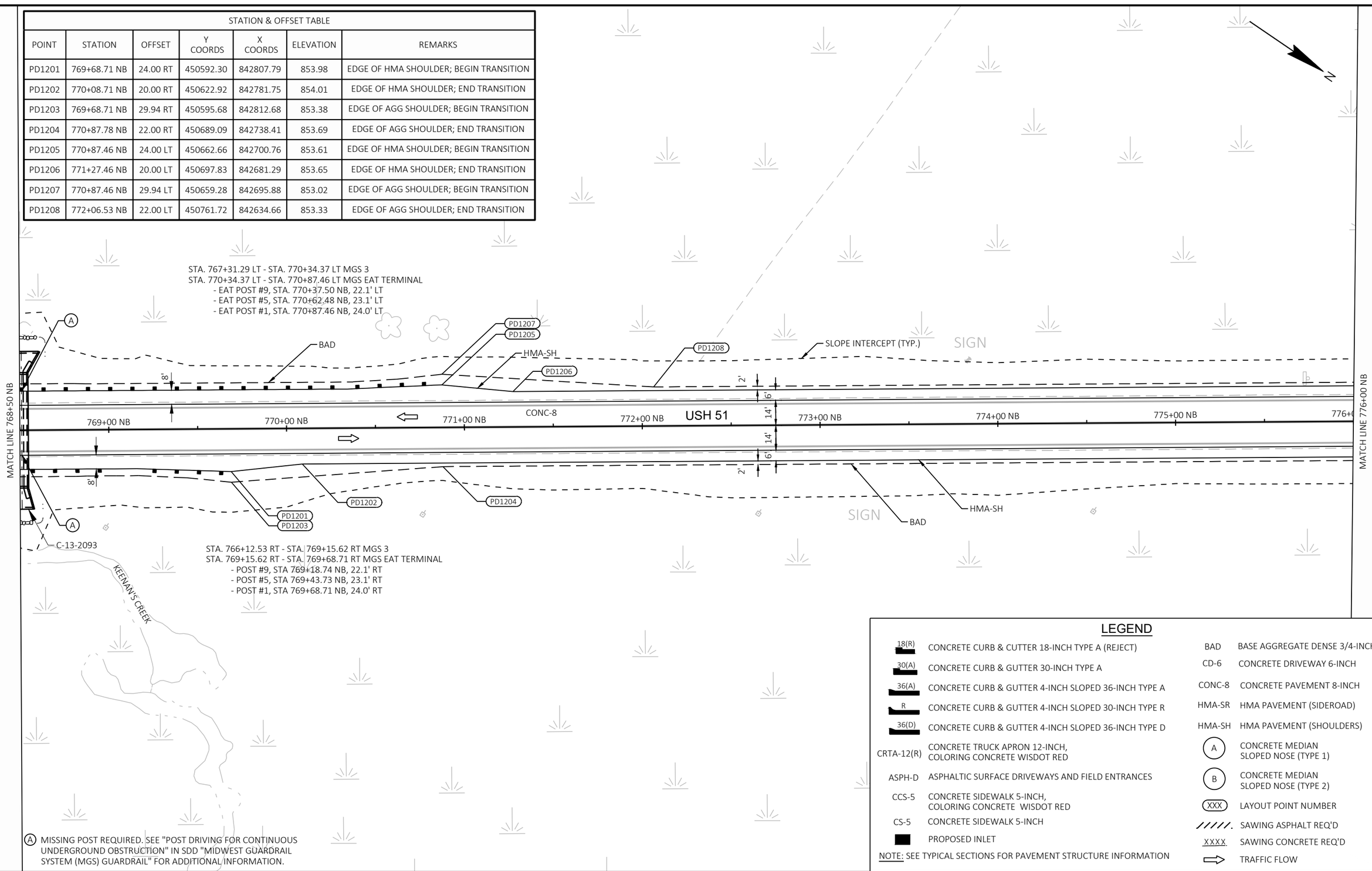
2

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD1201	769+68.71 NB	24.00 RT	450592.30	842807.79	853.98	EDGE OF HMA SHOULDER; BEGIN TRANSITION
PD1202	770+08.71 NB	20.00 RT	450622.92	842781.75	854.01	EDGE OF HMA SHOULDER; END TRANSITION
PD1203	769+68.71 NB	29.94 RT	450595.68	842812.68	853.38	EDGE OF AGG SHOULDER; BEGIN TRANSITION
PD1204	770+87.78 NB	22.00 RT	450689.09	842738.41	853.69	EDGE OF AGG SHOULDER; END TRANSITION
PD1205	770+87.46 NB	24.00 LT	450662.66	842700.76	853.61	EDGE OF HMA SHOULDER; BEGIN TRANSITION
PD1206	771+27.46 NB	20.00 LT	450697.83	842681.29	853.65	EDGE OF HMA SHOULDER; END TRANSITION
PD1207	770+87.46 NB	29.94 LT	450659.28	842695.88	853.02	EDGE OF AGG SHOULDER; BEGIN TRANSITION
PD1208	772+06.53 NB	22.00 LT	450761.72	842634.66	853.33	EDGE OF AGG SHOULDER; END TRANSITION

STA. 767+31.29 LT - STA. 770+34.37 LT MGS 3
STA. 770+34.37 LT - STA. 770+87.46 LT MGS EAT TERMINAL
- EAT POST #9, STA. 770+37.50 NB, 22.1' LT
- EAT POST #5, STA. 770+62.48 NB, 23.1' LT
- EAT POST #1, STA. 770+87.46 NB, 24.0' LT

STA. 766+12.53 RT - STA. 769+15.62 RT MGS 3
STA. 769+15.62 RT - STA. 769+68.71 RT MGS EAT TERMINAL
- POST #9, STA 769+18.74 NB, 22.1' RT
- POST #5, STA 769+43.73 NB, 23.1' RT
- POST #1, STA 769+68.71 NB, 24.0' RT

Ⓐ MISSING POST REQUIRED. SEE "POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION" IN SDD "MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL" FOR ADDITIONAL INFORMATION.



LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
36(D)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CRTA-12(R)	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED
CS-5	CONCRETE SIDEWALK 5-INCH
	PROPOSED INLET

NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION

BAD	BASE AGGREGATE DENSE 3/4-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CONC-8	CONCRETE PAVEMENT 8-INCH
HMA-SR	HMA PAVEMENT (SIDEROAD)
HMA-SH	HMA PAVEMENT (SHOULDERS)
A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
XXX	LAYOUT POINT NUMBER
//////	SAWING ASPHALT REQ'D
XXXX	SAWING CONCRETE REQ'D
	TRAFFIC FLOW

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN DETAILS	SHEET 52	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021212-pd
PLOT DATE : 8/25/2026 5:41 PM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
36(D)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CRTA-12(R)	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED
CS-5	CONCRETE SIDEWALK 5-INCH
	PROPOSED INLET
BAD	BASE AGGREGATE DENSE 3/4-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CONC-8	CONCRETE PAVEMENT 8-INCH
HMA-SR	HMA PAVEMENT (SIDEROAD)
HMA-SH	HMA PAVEMENT (SHOULDERS)
A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
XXX	LAYOUT POINT NUMBER
	SAWING ASPHALT REQ'D
XXXX	SAWING CONCRETE REQ'D
	TRAFFIC FLOW

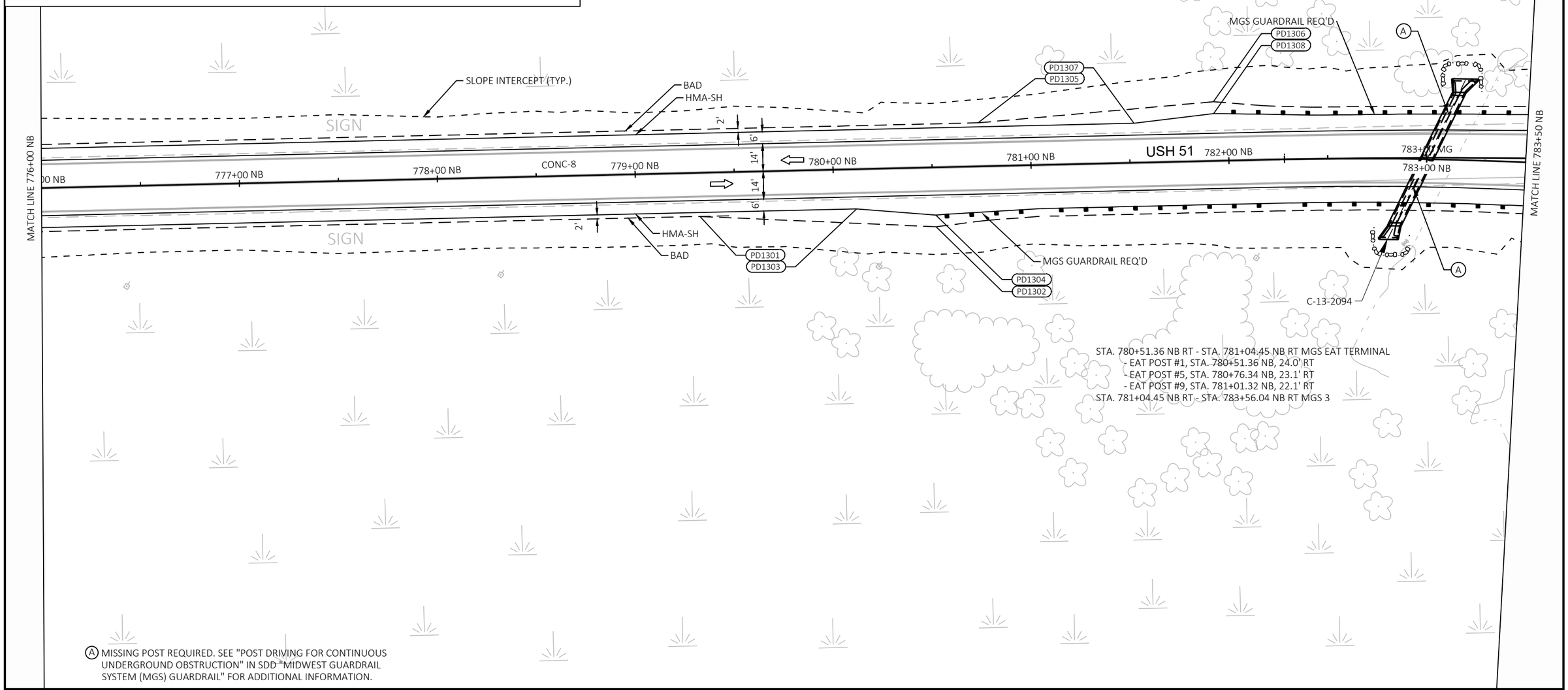
NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD1301	779+32.29 NB	22.00 RT	451383.62	842257.97	851.54	EDGE OF AGG SHOULDER; BEGIN TRANSITION
PD1302	780+51.35 NB	29.94 RT	451486.05	842196.76	851.91	EDGE OF AGG SHOULDER; END TRANSITION
PD1303	780+11.47 NB	20.01 RT	451447.60	842211.29	852.04	EDGE OF HMA SHOULDER; BEGIN TRANSITION
PD1304	780+51.36 NB	24.00 RT	451482.68	842191.87	852.14	EDGE OF HMA SHOULDER; END TRANSITION
PD1305	780+73.84 NB	22.01 LT	451475.00	842141.25	852.37	EDGE OF AGG SHOULDER; BEGIN TRANSITION
PD1306	781+92.91 NB	29.94 LT	451568.40	842066.99	852.86	EDGE OF AGG SHOULDER; END TRANSITION
PD1307	781+52.53 NB	20.00 LT	451540.85	842098.13	852.98	EDGE OF HMA SHOULDER; BEGIN TRANSITION
PD1308	781+92.91 NB	24.00 LT	451571.78	842071.87	853.10	EDGE OF HMA SHOULDER; END TRANSITION

STA. 781+92.90 NB LT - STA. 782+45.74 NB LT MGS EAT TERMINAL
- EAT POST #1, STA. 781+92.90 NB, 24.0' LT
- EAT POST #5, STA. 782+17.88 NB, 23.1' LT
- EAT POST #9, STA. 782+42.66 NB, 22.1' LT
STA. 782+45.74 NB LT - STA. 784+92.04 NB LT MGS 3

STA. 780+51.36 NB RT - STA. 781+04.45 NB RT MGS EAT TERMINAL
- EAT POST #1, STA. 780+51.36 NB, 24.0' RT
- EAT POST #5, STA. 780+76.34 NB, 23.1' RT
- EAT POST #9, STA. 781+01.32 NB, 22.1' RT
STA. 781+04.45 NB RT - STA. 783+56.04 NB RT MGS 3



A MISSING POST REQUIRED. SEE "POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION" IN SDD "MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL" FOR ADDITIONAL INFORMATION.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN DETAILS	SHEET 53	E

2

STA. 782+45.74 NB LT - STA. 784+92.04 NB LT MGS 3
STA. 784+92.04 NB LT - STA. 785+44.84 NB LT MGS EAT TERMINAL
- EAT POST #9, STA. 784+95.09 NB, 31.8' LT
- EAT POST #5, STA. 785+19.97 NB, 34.4' LT
- EAT POST #1, STA. 785+44.84 NB, 36.8' LT

MATCH LINE 783+50 NB

MATCH LINE 15+50 MH

MATCH LINE 791+00 NB

MAHONEY ROAD

USH 51 SB

USH 51 NB

MGS GUARDRAIL REQ'D

MAINTENANCE OPENING REQ'D

SLOPE INTERCEPT (TYP.)

CRTA-12(R)

STA. 781+04.45 NB RT - STA. 783+56.04 NB RT MGS 3
STA. 783+56.04 NB RT - STA. 784+11.85 NB RT MGS EAT TERMINAL
- EAT POST #9, STA. 783+59.20, 22.1' RT
- EAT POST #5, STA. 783+84.50, 23.1' RT
- EAT POST #1, STA. 784+09.81, 24.0' RT

LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
36(D)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CRTA-12(R)	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED
CS-5	CONCRETE SIDEWALK 5-INCH
	PROPOSED INLET
NOTE:	SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION
BAD	BASE AGGREGATE DENSE 3/4-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CONC-8	CONCRETE PAVEMENT 8-INCH
HMA-SR	HMA PAVEMENT (SIDEROAD)
HMA-SH	HMA PAVEMENT (SHOULDERS)
A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
XXX	LAYOUT POINT NUMBER
//////	SAWING ASPHALT REQ'D
XXXX	SAWING CONCRETE REQ'D
	TRAFFIC FLOW

NOTE: TRANSITION ASPHALTIC SHOULDER FROM 4% TO 2% OVER 53', ENDING AT POINT PD1403 AND POINT PD1435.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN DETAILS	SHEET 54	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021214-pd
PLOT DATE : 8/14/2026 7:25 AM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD1401	11+31.04 MB	4.32 LT	451910.87	841899.50	860.95	EOP; BEGIN TAPER
PD1402	12+07.72 MB	0.00 RT	451981.62	841869.64	862.70	EOP; END TAPER
PD1403	12+80.53 MB	14.00 RT	452052.47	841845.03	863.63	EOP; END ASPH SHOULDER
PD1404	10+42.75 MC	5.50 RT	452093.34	841828.30	864.42	BACK OF TRUCK APRON; BEGIN RAD
PD1405	10+42.75 MC	45.50 RT	452119.49	841858.58	---	R=40'
PD1406	10+61.14 MC	7.80 RT	452108.15	841820.22	864.69	BACK OF TRUCK APRON; END RAD; BEGIN RAD
PD1407	10+08.26 MC	171.89 RT	452157.73	841988.05	---	R=175'
PD1408	11+29.96 MC	7.23 RT	452169.33	841813.43	865.75	BACK OF TRUCK APRON; END RAD; BEGIN RAD
PD1409	11+47.26 MC	45.50 RT	452166.68	841853.34	855.93	R=40'
PD1410	11+47.26 MC	5.50 RT	452184.88	841817.73	865.95	BACK OF TRUCK APRON; END RAD
PD1411	11+53.33 MC	0.00 RT	452192.71	841815.75	865.74	EOP; END SLOPED C&G
PD1412	785+71.81 MG	0.00 RT	451906.38	841890.55	860.49	EOP
PD1413	786+91.79 MG	0.00 RT	452010.92	841831.69	863.07	EOP; END SLOPED C&G
PD1414	10+10.41 MF	2.50 LT	452035.05	841792.85	863.60	BOC; EDGE OF AGG DWY
PD1415	10+14.70 MF	36.40 LT	452022.15	841761.21	---	EDGE OF AGG DWY; MATCH EXISTING
PD1416	10+27.58 MF	34.89 LT	452034.12	841756.21	---	EDGE OF AGG DWY; MATCH EXISTING
PD1417	10+25.33 MF	15.76 LT	452041.55	841773.97	862.76	EDGE OF AGG DWY; END RADIUS
PD1418	10+25.42 MF	9.25 LT	452044.82	841779.61	863.34	EDGE OF AGG DWY; BEGIN RADIUS
PD1419	10+26.41 MF	2.50 LT	452048.99	841785.01	863.93	BOC; BEGIN AGG DWY
PD1420	12+51.88 MB	0.00 RT	452020.47	841848.64	863.48	EOP; END SLOPED C&G
PD1421	11+73.31 MD	0.00 RT	452284.41	841703.80	866.96	EOP; BEGIN SLOPED C&G
PD1422	11+79.51 MD	5.50 LT	452292.53	841704.19	867.22	BACK OF TRUCK APRON; BEGIN RAD
PD1423	10+78.31 MD	133.46 LT	452365.39	841573.07	---	R=150'
PD1424	790+79.02 MG	21.50 LT	452368.95	841723.03	867.48	BACK OF TRUCK APRON; END RAD
PD1425	10+11.87 MA	14.50 RT	452190.85	841740.63	866.41	EDGE OF TRUCK APRON; BEGIN RAD
PD1426	10+11.87 MA	29.50 RT	452205.22	841744.94	---	R=15'
PD1427	10+29.54 MA	17.91 RT	452199.27	841731.17	866.62	EDGE OF TRUCK APRON; END RAD; BEGIN RAD
PD1428	12+36.30 MA	28.87 LT	452242.89	841832.15	865.48	R=110'
PD1429	11+10.06 MA	17.91 RT	452246.76	841722.22	867.38	EDGE OF TRUCK APRON; END RAD; BEGIN RAD
PD1430	11+27.73 MA	29.50 RT	452246.23	841737.21	867.64	R=15'

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD1431	11+27.73 MA	14.50 RT	452258.04	841727.96	867.37	EDGE OF TRUCK APRON; END RAD
PD1432	790+69.88 MG	70.48 LT	452351.38	841676.41	---	SAWING ASPHALT; BEGIN RAD; MATCH EXISTING
PD1433	791+72.13 MG	258.56 LT	452427.35	841472.29	---	R=218'
PD1434	791+16.90 MG	49.82 LT	452401.29	841688.52	---	SAWING ASPHALT; END RAD; MATCH EXISTING
PD1435	787+21.46 MG	14.00 LT	452029.91	841804.93	863.43	EOP; END HMA SHOULDER
PD1436	784+09.81 NB	29.93 RT	451783.33	842002.34	856.19	EDGE OF AGG SHOULDER; BEGIN TRANSITION
PD1437	11+00.81 MB	22.00 RT	451895.30	841936.44	859.70	EDGE OF AGG SHOULDER; END TRANSITION
PD1438	784+09.81 NB	23.99 RT	451780.47	841997.15	856.42	EDGE OF HMA SHOULDER; BEGIN TRANSITION
PD1439	10+10.31 MB	20.00 RT	451813.84	841974.73	857.56	EDGE OF HMA SHOULDER; END TRANSITION
PD1440	785+47.03 MG	29.90 LT	451870.12	841876.65	859.04	EDGE OF AGG SHOULDER; BEGIN TRANSITION
PD1441	786+66.13 MG	22.00 LT	451977.77	841825.10	861.92	EDGE OF AGG SHOULDER; END TRANSITION
PD1442	785+47.03 MG	24.00 LT	451873.01	841881.79	859.28	EDGE OF HMA SHOULDER; BEGIN TRANSITION
PD1443	785+84.47 MG	20.00 LT	451907.60	841866.91	860.24	EDGE OF HMA SHOULDER; END TRANSITION
PD1444	10+49.51 MF	13.90 LT	452064.61	841764.33	---	R=25'

2

N

MATCH LINE 791+00 NB

MATCH LINE 798+50 NB

USH 51 NB

USH 51 SB

USH 51

792+00 NB

792+00 MG

793+00 NB

793+00 MG

794+00 NB

794+00 MG

795+00 NB

795+00 M

796+00 NB

796+00 M

797+00 NB

798+00 NB

CONC-8

CS-5

ASPH-D

BAD

HMA-SH

36(A)

30(A)

18+00 NB

PD1501
PD1502
PD1503
PD1504
PD1505
PD1506
PD1507
PD1508
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PD1541
PD1542
PD1543
PD1544

SIGN

T SIGN

SLOPE INTERCEPT (TYP.)

2'
6'
14'
14'
6'
2'

LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
36(D)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CRTA-12(R)	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED
CS-5	CONCRETE SIDEWALK 5-INCH
	PROPOSED INLET

NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION

BAD	BASE AGGREGATE DENSE 3/4-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CONC-8	CONCRETE PAVEMENT 8-INCH
HMA-SR	HMA PAVEMENT (SIDEROAD)
HMA-SH	HMA PAVEMENT (SHOULDERS)
A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
XXX	LAYOUT POINT NUMBER
//////	SAWING ASPHALT REQ'D
XXXX	SAWING CONCRETE REQ'D
	TRAFFIC FLOW

NOTE: TRANSITION ASPHALTIC SHOULDER FROM 2% TO 4% OVER 53', BEGINNING AT POINT PD1501 AND POINT PD1509.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN DETAILS	SHEET 56	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021215-pd

PLOT DATE : 8/14/2026 7:46 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD1501	16+71.18 MB	18.33 RT	452420.88	841767.75	867.93	EOP; BEGIN HMA SHOULDER
PD1502	17+01.51 MB	0.00 RT	452447.51	841744.83	868.00	EOP; BEGIN SLOPED C&G
PD1503	18+08.93 MB	0.00 RT	452554.54	841736.61	868.77	EOP
PD1504	791+52.97 MG	0.00 RT	452445.53	841731.26	868.26	EOP; BEGIN SLOPED C&G
PD1505	791+92.80 MG	0.00 RT	452484.94	841725.60	868.57	EOP; BEGIN RAD
PD1506	791+23.71 MG	543.95 RT	452511.92	842271.94	---	R=547'
PD1507	792+62.80 MG	4.00 RT	452554.75	841726.61	868.97	EOP; END RAD
PD1508	791+51.61 MG	16.00 LT	452441.38	841715.74	867.93	EOP; BEGIN SLOPED C&G
PD1509	795+10.21 MG	14.00 LT	452802.29	841719.77	870.16	EOP; BEGIN HMA SHOULDER
PD1510	16+70.97 MB	26.34 RT	452422.12	841775.67	867.47	EDGE OF HMA SHOULDER; BEGIN AGGREGATE SHOULDER; BEGIN TAPER
PD1511	16+91.53 MB	23.78 RT	452441.32	841769.81	867.45	EDGE OF HMA SHOULDER; END TAPER
PD1512	792+82.07 MG	36.74 LT	452576.14	841686.68	---	SAWING REQ'D
PD1513	792+45.44 NB	20.11 RT	452560.18	841756.60	868.28	EDGE OF HMA SHOULDER; BEGIN ASPH DWY; BEGIN TAPER
PD1514	792+53.42 NB	22.02 RT	452568.18	841758.34	868.26	EDGE OF ASPH DWY; END TAPER; END AGG SHOULDER
PD1515	792+60.37 NB	22.00 RT	452575.11	841758.18	868.31	EDGE OF APH DWY; BEGIN RAD
PD1516	792+67.23 NB	34.03 RT	452582.18	841770.07	868.15	EDGE OF ASPH DWY; END ASPH DWY; BEGIN AGG DWY
PD1517	792+53.17 NB	34.02 RT	452568.18	841770.34	---	R=14'
PD1518	792+56.48 NB	47.63 RT	452571.76	841783.88	868.88	EDGE OF AGG DWY; END RAD
PD1519	792+53.47 NB	48.35 RT	452568.78	841784.66	869.00	EDGE OF AGG DWY
PD1520	792+13.87 NB	49.35 RT	452529.93	841786.66	869.78	EDGE OF AGG DWY; BEGIN RAD
PD1521	792+14.27 NB	64.35 RT	452530.85	841801.63	---	R=15'
PD1522	791+98.59 NB	63.30 RT	452515.86	841801.19	870.22	EDGE OF AGG DWY; END RAD
PD1523	791+98.10 NB	69.46 RT	452515.68	841807.37	---	EDGE OF AGG DWY; MATCH EXISTING
PD1524	792+08.28 NB	70.05 RT	452525.36	841807.54	---	EDGE OF AGG DWY; MATCH EXISTING
PD1525	792+10.99 NB	66.15 RT	452527.79	841803.55	870.38	EDGE OF AGG DWY; BEGIN RAD

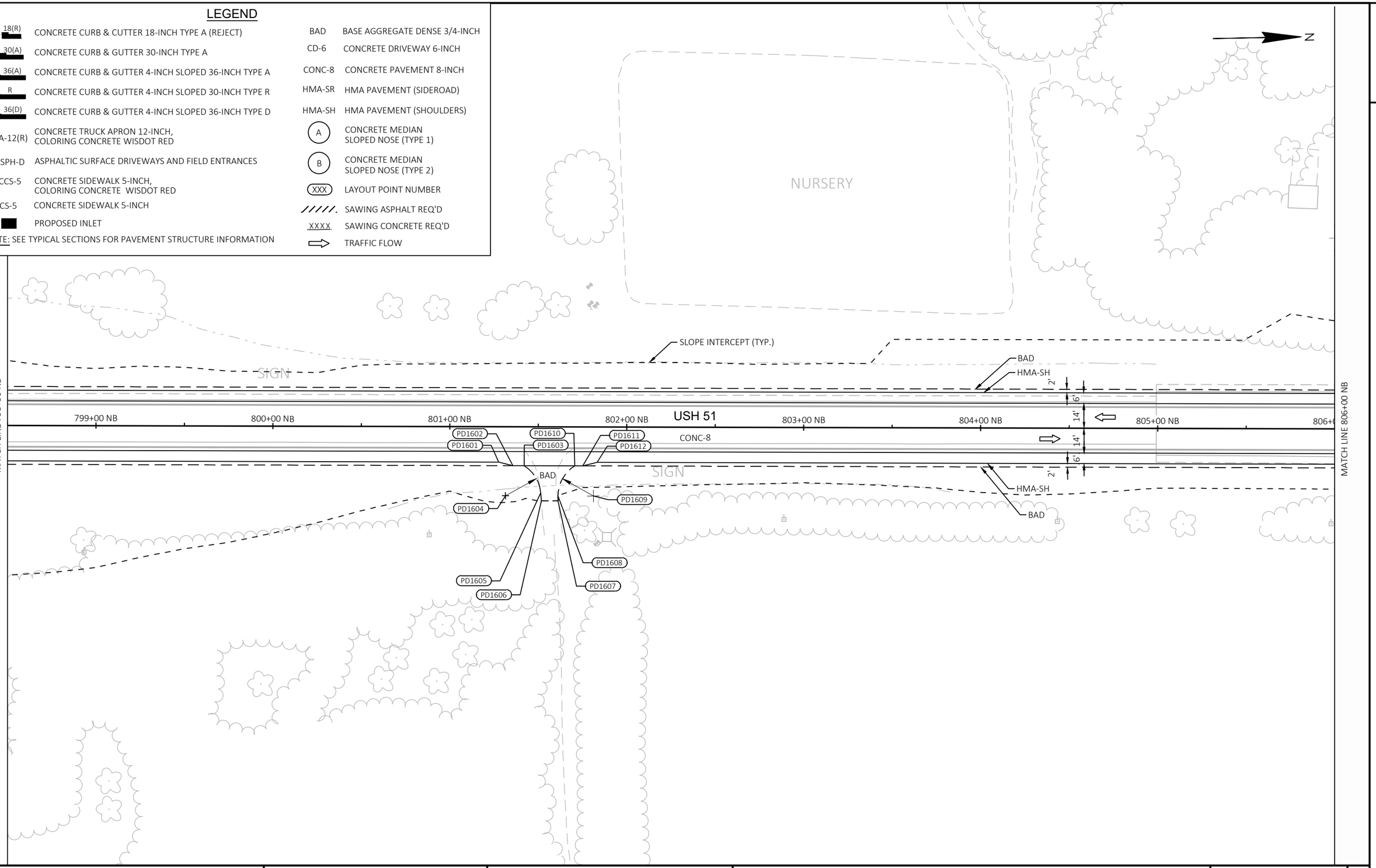
STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD1526	792+14.23 NB	66.33 RT	452530.88	841803.61	---	R=3'
PD1527	792+14.04 NB	63.35 RT	452530.60	841800.64	870.14	EDGE OF AGG DWY; END RAD
PD1528	792+23.59 NB	63.11 RT	452539.70	841800.10	870.10	EDGE OF AGG DWY; BEGIN RAD
PD1529	792+23.88 NB	73.10 RT	452540.26	841810.09	---	R=10'
PD1530	792+34.24 NB	72.96 RT	452550.26	841809.69	870.30	EDGE OF AGG DWY; END RAD
PD1531	792+34.67 NB	98.50 RT	452551.27	841835.22	---	EDGE OF AGG DWY; MATCH EXISTING
PD1532	792+46.81 NB	98.30 RT	452563.26	841834.74	---	EDGE OF AGG DWY; BEGIN RAD; MATCH EXISTING
PD1533	792+87.29 NB	97.48 RT	452603.23	841833.15	---	R=40'
PD1534	792+72.46 NB	60.28 RT	452587.88	841796.21	869.04	EDGE OF AGG DWY; END RAD; BEGIN RAD
PD1535	792+63.26 NB	37.01 RT	452578.29	841773.12	---	R=25'
PD1536	792+88.27 NB	39.28 RT	452603.22	841774.94	868.30	EDGE OF AGG DWY; END RAD; BEGIN RAD
PD1537	792+89.12 NB	34.26 RT	452603.98	841769.90	868.26	EDGE OF ASPH DRWY; END ASPH DWY; BEGIN AGG DWY
PD1538	793+08.36 NB	40.02 RT	452623.21	841775.37	---	R=20'
PD1539	792+99.66 NB	22.00 RT	452614.29	841757.47	868.57	EDGE OF ASPH DWY; END RAD
PD1540	793+02.56 NB	22.00 RT	452617.18	841757.43	868.59	EDGE OF ASPH DWY; BEGIN TAPER; BEGIN AGG SHOULDER
PD1541	793+10.61 NB	20.00 RT	452625.18	841755.32	868.72	EDGE OF HMA SHOULDER; END TAPER; END ASPH DWY
PD1542	795+10.21 MG	19.00 LT	452802.41	841714.77	870.54	EDGE OF HMA SHOULDER; BEGIN AGG SHOULDER; BEGIN TAPER
PD1543	795+20.21 MG	20.00 LT	452812.43	841714.00	870.09	EDGE OF HMA SHOULDER; END TAPER
PD1544	795+20.21 MG	22.00 LT	452812.48	841712.01	870.01	EDGE OF AGG SHOULDER; END TAPER

LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
36(D)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CRTA-12(R)	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED
CS-5	CONCRETE SIDEWALK 5-INCH
■	PROPOSED INLET

NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION

BAD	BASE AGGREGATE DENSE 3/4-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CONC-8	CONCRETE PAVEMENT 8-INCH
HMA-SR	HMA PAVEMENT (SIDEROAD)
HMA-SH	HMA PAVEMENT (SHOULDERS)
A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
XXX	LAYOUT POINT NUMBER
//////	SAWING ASPHALT REQ'D
XXXX	SAWING CONCRETE REQ'D
⇨	TRAFFIC FLOW



PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN DETAILS	SHEET 58 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021216-pd

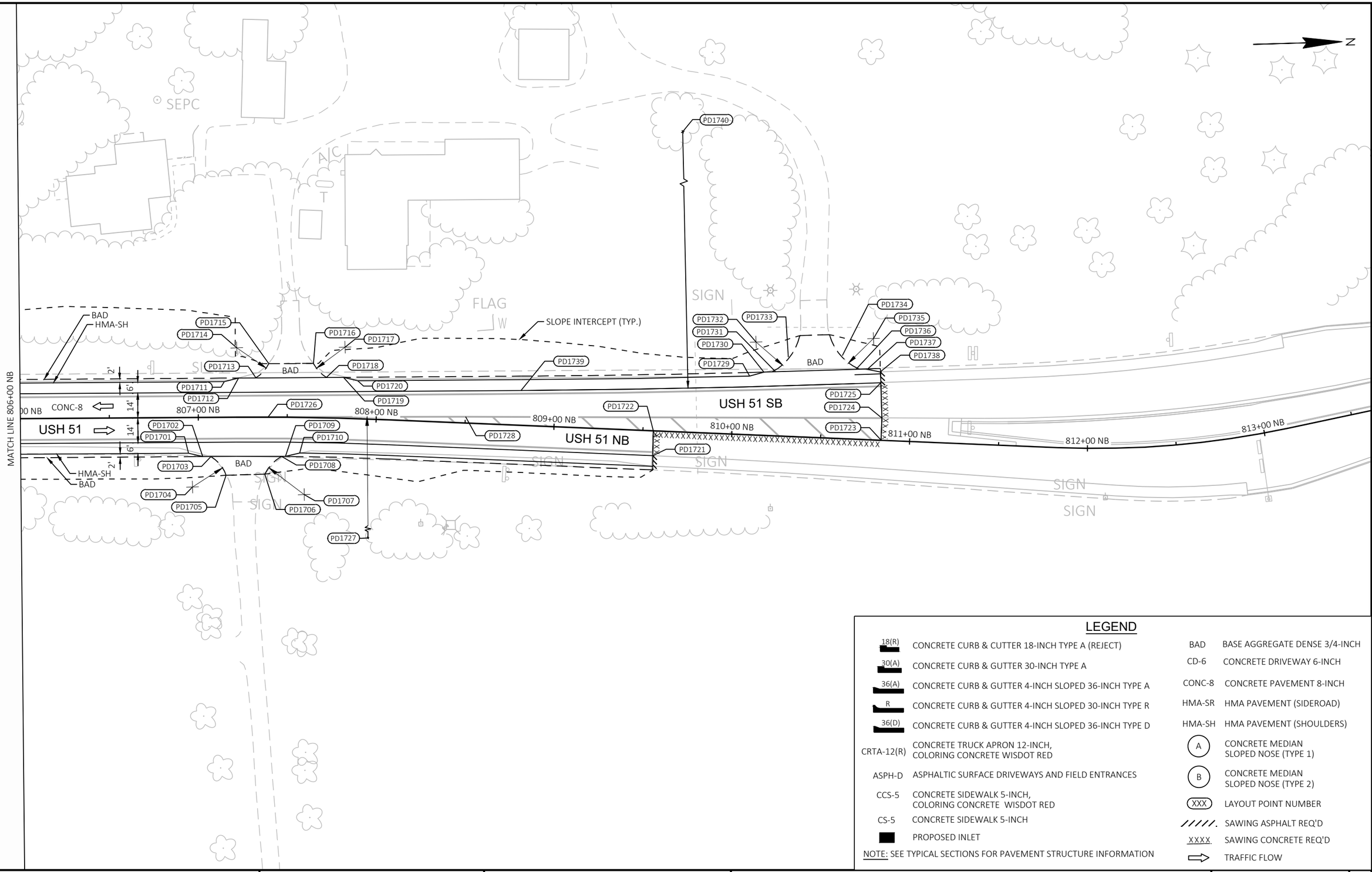
PLOT DATE : 8/14/2026 7:46 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD1601	801+27.62 NB	20.00 RT	453441.27	841768.82	873.22	EDGE OF HMA SHOULDER; BEGIN TAPER
PD1602	801+35.62 NB	22.00 RT	453449.22	841771.00	873.18	EDGE OF HMA SHOULDER; END TAPER; END AGG SHOULDER
PD1603	801+42.10 NB	22.00 RT	453455.70	841771.16	873.21	EDGE OF HMA SHOULDER; BEGIN RAD; BEGIN AGG DWY
PD1604	801+31.56 NB	39.00 RT	453444.76	841787.90	---	R=20'
PD1605	801+51.49 NB	37.33 RT	453464.73	841786.70	872.89	EDGE OF AGG DWY; END RAD
PD1606	801+51.84 NB	41.79 RT	453464.97	841791.18	---	EDGE OF AGG DWY; MATCH EXISTING
PD1607	801+61.23 NB	41.84 RT	453474.35	841791.44	---	EDGE OF AGG DWY; MATCH EXISTING
PD1608	801+61.23 NB	39.00 RT	453474.42	841788.60	872.74	EDGE OF AGG DWY; BEGIN RAD
PD1609	801+81.23 NB	39.00 RT	453494.41	841789.07	---	R=20'
PD1610	801+70.69 NB	22.00 RT	453484.28	841771.83	873.36	EDGE OF HMA SHOULDER; END RAD; END AGG DWY
PD1611	801+75.23 NB	22.00 RT	453488.82	841771.94	873.38	EDGE OF HMA SHOULDER; BEGIN TAPER; BEGIN AGG SHOULDER
PD1612	801+83.23 NB	20.00 RT	453496.86	841770.13	873.50	EDGE OF HMA SHOULDER; END TAPER

2



LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)	BAD	BASE AGGREGATE DENSE 3/4-INCH
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A	CD-6	CONCRETE DRIVEWAY 6-INCH
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A	CONC-8	CONCRETE PAVEMENT 8-INCH
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R	HMA-SR	HMA PAVEMENT (SIDEROAD)
36(D)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D	HMA-SH	HMA PAVEMENT (SHOULDERS)
CRTA-12(R)	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED	A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED	XXX	LAYOUT POINT NUMBER
CS-5	CONCRETE SIDEWALK 5-INCH	//////	SAWING ASPHALT REQ'D
■	PROPOSED INLET	XXXX	SAWING CONCRETE REQ'D
NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION		⇨	TRAFFIC FLOW

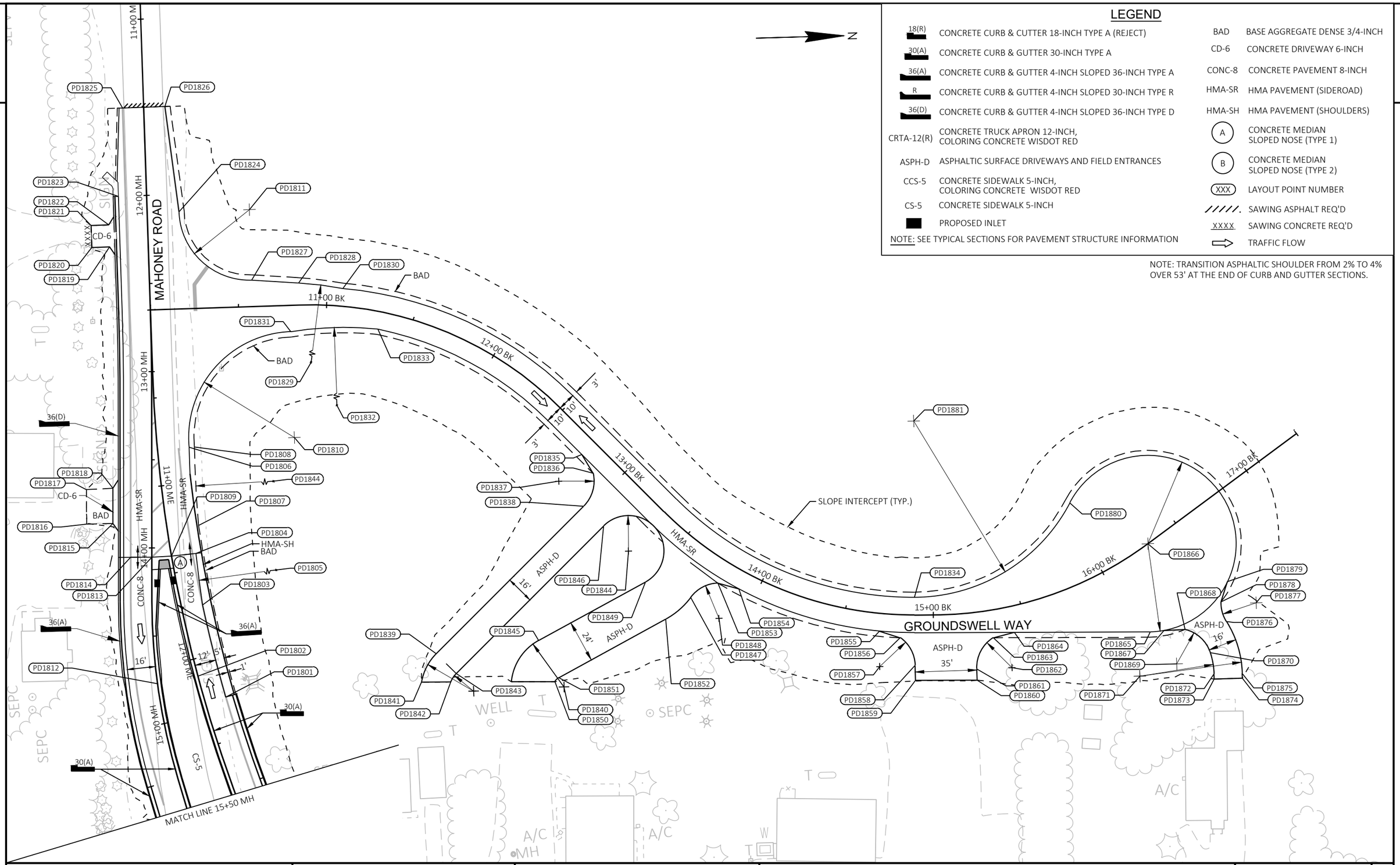
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN DETAILS	SHEET 60	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021217-pd
PLOT DATE : 8/14/2026 7:47 AM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD1701	806+94.34 NB	20.00 RT	454007.84	841782.15	876.13	EDGE OF HMA SHOULDER; BEGIN TAPER
PD1702	807+02.34 NB	22.00 RT	454015.78	841784.34	876.09	EDGE OF HMA SHOULDER; END TAPER; END AGG SHOULDER
PD1703	807+07.04 NB	22.05 RT	454020.49	841784.50	876.12	EDGE OF HMA SHOULDER; BEGIN RAD; BEGIN AGG DWY
PD1704	806+96.52 NB	39.05 RT	454009.57	841801.25	---	R=20'
PD1705	807+15.43 NB	32.61 RT	454028.63	841795.26	---	EDGE OF AGG DWY; END RAD; MATCH EXISTING
PD1706	807+37.43 NB	32.02 RT	454050.34	841795.25	---	EDGE OF AGG DWY; BEGIN RAD; MATCH EXISTING
PD1707	807+60.22 NB	43.31 RT	454072.19	841807.39	---	R=25'
PD1708	807+46.89 NB	22.00 RT	454060.01	841785.56	876.33	EDGE OF HMA SHOULDER; END RAD; END AGG DWY
PD1709	807+49.18 NB	22.00 RT	454062.26	841785.65	876.35	EDGE OF HMA SHOULDER; BEGIN TAPER; BEGIN AGG SHOULDER
PD1710	807+57.24 NB	20.00 RT	454070.30	841783.98	876.48	EDGE OF HMA SHOULDER; END TAPER
PD1711	807+14.80 NB	20.00 LT	454029.23	841742.65	876.24	EDGE OF HMA SHOULDER; BEGIN TAPER
PD1712	807+22.78 NB	22.00 LT	454037.27	841740.83	876.20	EDGE OF HMA SHOULDER; END TAPER; END AGG SHOULDER
PD1713	807+32.33 NB	22.04 LT	454046.94	841741.06	876.25	EDGE OF HMA SHOULDER; BEGIN RAD; BEGIN AGG DRIVEWAY
PD1714	807+21.91 NB	39.00 LT	454036.80	841723.82	---	R=20'
PD1715	807+39.48 NB	30.09 LT	454054.44	841733.24	---	EDGE OF AGG DWY; END RAD; MATCH EXISTING
PD1716	807+64.20 NB	30.46 LT	454079.57	841733.90	---	EDGE OF AGG DWY; BEGIN RAD; MATCH EXISITNG
PD1717	807+81.42 NB	40.03 LT	454097.61	841725.25	---	R=20'
PD1718	807+71.58 NB	22.72 LT	454086.67	841742.00	876.47	EDGE OF HMA SHOULDER; END RAD; END AGG DWY
PD1719	807+81.06 NB	23.01 LT	454096.28	841742.22	876.53	EDGE OF HMA SHOULDER; BEGIN TAPER; BEGIN AGG SHOULDER
PD1720	807+89.03 NB	21.30 LT	454104.23	841744.41	876.66	EDGE OF HMA SHOULDER; END TAPER
PD1721	809+56.19 NB	14.00 RT	454268.66	841791.50	---	EOP; SAWING CONCRETE; SAWING ASPHALT; MATCH EXISTING
PD1722	809+55.81 NB	0.00 LT	454269.28	841777.51	---	EOP; SAWING CONCRETE; MATCH EXISTING

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD1723	810+84.03 NB	0.00 RT	454397.17	841786.68	---	EOP; SAWING CONCRETE; MATCH EXISTING
PD1724	810+83.97 NB	12.48 LT	454398.00	841774.23	---	EOP; SAWING CONCRETE; MATCH EXISTING
PD1725	810+82.47 NB	32.30 LT	454397.93	841754.36	---	EOP; SAWING CONCRETE; SAWING ASPHALT; MATCH EXISTING
PD1726	807+39.28 NB	0.09 LT	454053.23	841763.22	876.88	EOP; BEGIN RAD
PD1727	715+24.98 NB	10037.53 RT	453792.04	852860.14	---	R=11100'
PD1728	808+50.16 NB	3.57 LT	454164.16	841766.38	877.76	EOP; END RAD
PD1729	810+08.69 NB	32.99 LT	454324.38	841748.39	879.72	EDGE OF HMA SHOULDER; BEGIN TAPER
PD1730	810+16.52 NB	35.52 LT	454332.37	841746.42	879.78	EDGE OF HMA SHOULDER; END TAPER; END AGG SHOULDER
PD1731	810+23.15 NB	35.98 LT	454339.02	841746.44	879.90	EDGE OF HMA SHOULDER; BEGIN RAD; BEGIN AGG DWY
PD1732	810+11.48 NB	52.22 LT	454328.54	841729.40	---	R=20'
PD1733	810+29.91 NB	44.47 LT	454346.38	841738.45	---	EDGE OF AGG DWY; END RAD; MATCH EXISTING
PD1734	810+60.24 NB	46.66 LT	454376.78	841738.43	---	EDGE OF AGG DWY; BEGIN RAD; MATCH EXISTING
PD1735	810+77.37 NB	56.98 LT	454394.60	841729.37	---	R=20'
PD1736	810+68.15 NB	39.24 LT	454384.14	841746.41	880.69	EDGE OF HMA SHOULDER; END RAD; END AGG DWY
PD1737	810+74.77 NB	39.74 LT	454390.78	841746.38	880.80	EDGE OF HMA SHOULDER; BEGIN TAPER; BEGIN AGG SHOULDER
PD1738	810+82.07 NB	38.49 LT	454397.97	841748.15	---	EDGE OF HMA SHOULDER; END TAPER; SAWING ASPHALT; MATCH EXISTING
PD1739	808+80.69 NB	19.61 LT	454195.75	841752.57	877.85	EOP; BEGIN RADIUS
PD1740	807+54.41 NB	6865.49 LT	454356.94	834904.46	---	R=6850'



LEGEND

18(R)	CONCRETE CURB & CUTTER 18-INCH TYPE A (REJECT)
30(A)	CONCRETE CURB & GUTTER 30-INCH TYPE A
36(A)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
36(D)	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CRTA-12(R)	CONCRETE TRUCK APRON 12-INCH, COLORING CONCRETE WISDOT RED
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
CCS-5	CONCRETE SIDEWALK 5-INCH, COLORING CONCRETE WISDOT RED
CS-5	CONCRETE SIDEWALK 5-INCH
	PROPOSED INLET

NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT STRUCTURE INFORMATION

BAD	BASE AGGREGATE DENSE 3/4-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CONC-8	CONCRETE PAVEMENT 8-INCH
HMA-SR	HMA PAVEMENT (SIDEROAD)
HMA-SH	HMA PAVEMENT (SHOULDERS)
A	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
B	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
XXX	LAYOUT POINT NUMBER
//////	SAWING ASPHALT REQ'D
XXXX	SAWING CONCRETE REQ'D
	TRAFFIC FLOW

NOTE: TRANSITION ASPHALTIC SHOULDER FROM 2% TO 4% OVER 53' AT THE END OF CURB AND GUTTER SECTIONS.

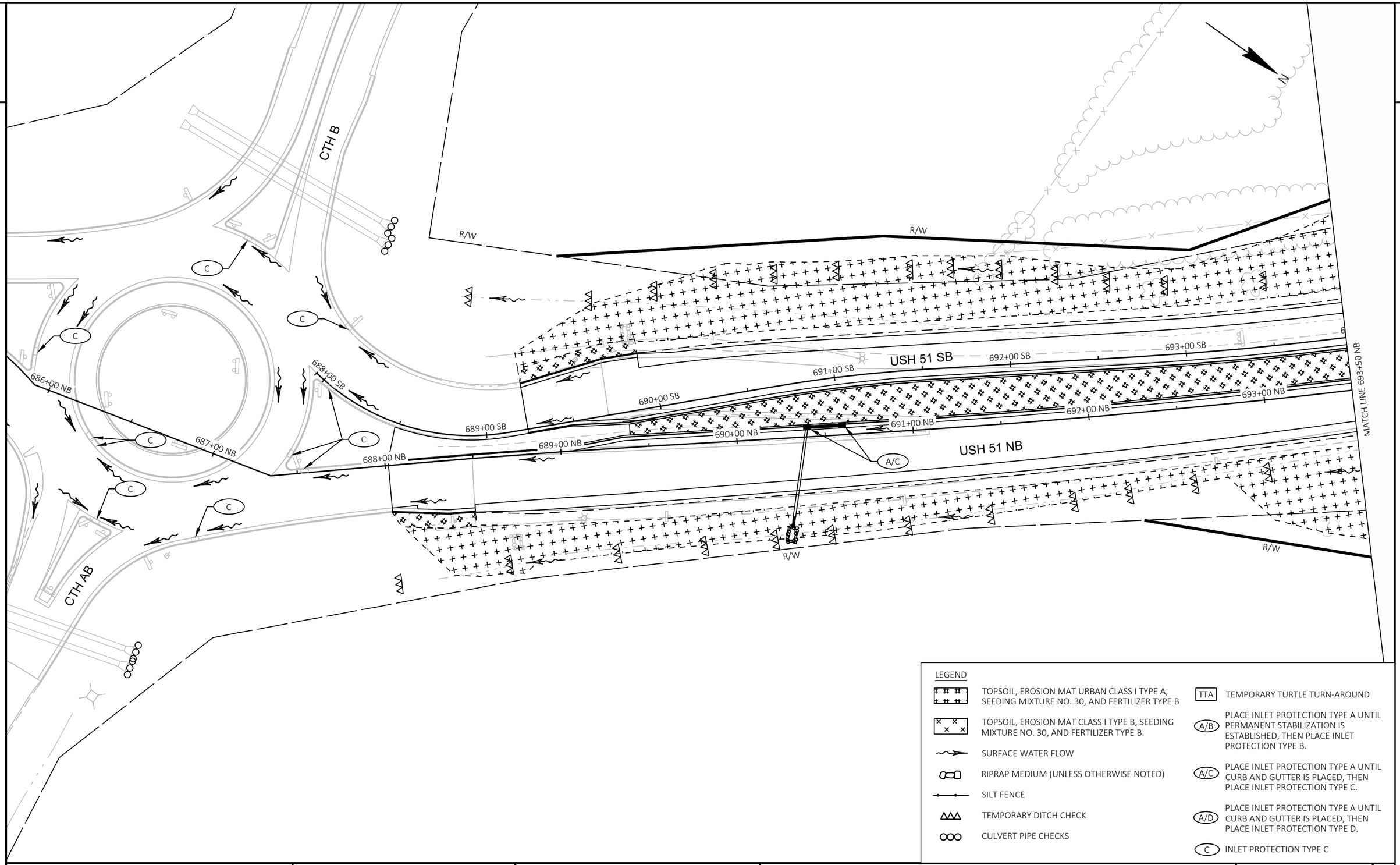
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STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD1801	12+25.76 ME	12.00 LT	452212.92	841546.47	868.84	EOP; END HMA SHOULDER
PD1802	12+10.02 ME	0.00 RT	452197.49	841534.23	869.19	EOP; END SLOPED C&G
PD1803	11+71.05 ME	12.00 LT	452201.19	841493.92	869.04	EOP; END RAD
PD1804	11+41.11 ME	13.97 LT	452198.32	841464.57	868.91	EOP; END HMA PAVT; BEGIN CONC PAVT
PD1805	13+24.93 ME	753.56 LT	452946.04	841406.16	---	R=750'
PD1806	10+79.61 ME	18.00 LT	452196.04	841404.28	868.20	EOP; END RAD; BEGIN RAD
PD1807	11+25.45 ME	18.00 LT	452200.26	841448.83	868.67	EDGE OF AGG SHOULDER; END RAD
PD1808	10+79.72 ME	21.00 LT	452199.04	841404.18	868.08	EDGE OF AGG SHOULDER; END RAD; BEGIN RAD
PD1809	11+40.18 ME	0.00 RT	452184.37	841465.66	869.18	EOP
PD1810	10+79.61 ME	78.00 LT	452255.92	841400.41	---	R=60'
PD1811	12+10.00 MH	58.00 LT	452234.00	841270.53	---	R=40'
PD1812	14+77.13 MH	0.00 RT	452174.40	841537.87	868.94	EOP; END SLOPED C&G
PD1813	14+05.25 MH	0.00 RT	452173.20	841466.07	869.01	EOP
PD1814	14+05.25 MH	12.00 RT	452161.20	841465.75	868.77	EOP; END HMA PAVT; END HMA SHOULDER; BEGIN CONC PAVT
PD1815	13+86.05 MH	22.00 RT	452151.72	841446.29	868.84	EDGE OF CONC DWY; BEGIN AGG DWY
PD1816	13+86.37 MH	36.99 RT	452136.73	841446.21	---	EDGE OF AGG DWY; MATCH EXISTING
PD1817	13+66.92 MH	37.00 RT	452137.23	841426.76	---	EDGE OF AGG DWY; MATCH EXISTING
PD1818	13+66.12 MH	22.00 RT	452152.25	841426.36	868.66	EDGE OF CONC DWY; BEGIN AGG DWY
PD1819	12+28.54 MH	22.00 RT	452154.11	841289.53	865.76	EDGE OF CONC DWY
PD1820	12+28.54 MH	32.05 RT	452144.06	841289.58	---	END CONC DWY; MATCH EXISTING
PD1821	12+16.00 MH	32.06 RT	452143.98	841277.04	---	END CONC DWY; MATCH EXISTING
PD1822	12+15.99 MH	22.01 RT	452154.02	841276.97	865.35	EDGE OF CONC DWY
PD1823	12+00.00 MH	16.00 RT	452159.95	841260.95	864.54	EDGE OF HMA; END CURB & GUTTER
PD1824	12+10.00 MH	18.00 LT	452194.00	841270.76	864.85	EOP; END TAPER; BEGIN RAD
PD1825	11+50.00 MH	12.00 RT	452163.66	841210.93	---	EOP; SAWING ASPHALT; MATCH EXISTING
PD1826	11+50.00 MH	12.00 LT	452187.66	841210.79	---	EOP; BEGIN TAPER; SAWING ASPHALT; MATCH EXISTING
PD1827	10+58.00 BK	15.00 LT	452234.22	841310.53	866.58	EOP; END RAD; BEGIN TAPER
PD1828	10+84.55 BK	12.50 LT	452260.79	841312.88	866.88	EOP; END TAPER; BEGIN RAD
PD1829	10+63.94 BK	196.49 RT	452241.35	841521.98	---	R=210'
PD1830	11+08.36 BK	10.00 LT	452285.75	841316.73	867.16	EOP; END RAD

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD1831	10+79.19 BK	15.00 RT	452255.58	841340.41	867.05	EOP; END RAD; BEGIN RAD
PD1832	12+63.58 BK	188.74 RT	452280.66	841528.75	---	R=190'
PD1833	11+31.37 BK	10.00 RT	452305.02	841340.32	867.38	EOP; END RAD
PD1834	14+89.21 BK	10.00 LT	452605.07	841500.86	870.76	EOP; BEGIN RAD
PD1835	12+75.52 BK	9.99 RT	452418.71	841414.58	868.75	EOP; BEGIN TAPER
PD1836	12+87.52 BK	12.99 RT	452424.78	841425.36	868.35	EDGE OF ASPH DWY; END TAPER
PD1837	12+76.98 BK	29.99 RT	452405.19	841429.39	---	R=20'
PD1838	12+96.98 BK	29.99 RT	452418.94	841443.92	868.55	EDGE OF ASPH DWY; END RAD
PD1839	12+96.98 BK	148.26 RT	452333.02	841525.20	869.45	EDGE OF ASPH DWY; BEGIN RAD
PD1840	13+50.83 BK	111.78 RT	452404.99	841546.05	---	R=6'; R=30'
PD1841	13+02.48 BK	165.58 RT	452324.23	841541.10	---	EDGE OF ASPH DWY; END RAD; MATCH EXISTING
PD1842	13+14.14 BK	153.84 RT	452340.77	841541.49	---	EDGE OF ASPH DWY; END RAD; MATCH EXISTING
PD1843	13+12.98 BK	148.26 RT	452344.02	841536.82	869.77	EDGE OF ASPH DWY; BEGIN RAD
PD1844	13+32.79 BK	30.00 RT	452443.68	841470.07	---	R=20'
PD1845	13+32.35 BK	101.90 RT	452391.32	841519.35	869.98	EDGE OF ASPH DWY; BEGIN RAD
PD1846	13+12.98 BK	29.99 RT	452429.93	841455.54	868.67	EDGE OF ASPH DWY; BEGIN RAD
PD1847	13+71.23 BK	28.08 RT	452478.25	841497.29	869.23	EDGE OF ASPH DWY; END RAD; BEGIN RAD
PD1848	13+88.62 BK	30.00 RT	452493.96	841509.66	---	R=20'
PD1849	13+49.01 BK	36.51 RT	452452.80	841487.87	869.08	EDGE OF ASPH DWY; END RAD
PD1850	13+47.04 BK	112.83 RT	452399.88	841542.92	---	EDGE OF ASPH DWY; END RAD; MATCH EXISTING
PD1851	13+47.23 BK	109.60 RT	452402.25	841540.71	869.98	EDGE OF ASPH DWY; BEGIN RAD
PD1852	13+67.19 BK	46.25 RT	452463.74	841509.23	869.17	EDGE OF ASPH DWY; END RAD
PD1853	13+79.10 BK	13.00 RT	452493.88	841489.66	869.70	EDGE OF ASPH DWY; BEGIN RAD; BEGIN TAPER
PD1854	13+90.37 BK	10.00 RT	452505.62	841493.29	869.85	EOP; END TAPER
PD1855	14+70.27 BK	10.00 RT	452584.76	841519.42	870.61	EOP; BEGIN TAPER
PD1856	14+81.54 BK	13.00 RT	452596.35	841523.49	870.65	EDGE OF ASPH DWY; END TAPER; BEGIN RAD
PD1857	14+72.02 BK	30.00 RT	452584.37	841539.51	---	R=20'
PD1858	14+89.46 BK	28.55 RT	452604.37	841539.41	870.65	EDGE OF ASPH DWY; END RAD
PD1859	14+89.71 BK	36.98 RT	452604.42	841547.83	---	EDGE OF ASPH DWY; MATCH EXISTING
PD1860	15+20.89 BK	38.22 RT	452639.42	841548.68	---	EDGE OF ASPH DWY; MATCH EXISTING

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	REMARKS
PD1861	15+21.28 BK	31.87 RT	452639.39	841542.31	870.90	EDGE OF ASPH DWY; BEGIN RAD
PD1862	15+38.40 BK	34.17 RT	452659.39	841542.20	---	R=20'
PD1863	15+31.71 BK	15.62 RT	452649.27	841524.95	870.71	EDGE OF ASPH DWY; BEGIN TAPER
PD1864	15+43.21 BK	14.85 RT	452661.34	841522.24	870.67	EOP; END TAPER
PD1865	16+06.65 BK	42.67 RT	452738.43	841524.12	868.90	EOP; BEGIN RAD
PD1866	16+30.44 BK	0.04 RT	452738.43	841474.12	---	R=50'
PD1867	16+12.43 BK	45.90 RT	452746.14	841523.52	869.24	EOP; BEGIN TAPER
PD1868	16+20.82 BK	51.93 RT	452758.15	841523.31	869.00	EDGE OF ASPH DWY; END TAPER; BEGIN RAD
PD1869	16+09.64 BK	65.83 RT	452752.89	841542.61	---	R=20'
PD1870	16+24.19 BK	70.78 RT	452772.02	841536.80	868.60	EDGE OF ASPH DWY; END RAD; BEGIN RAD
PD1871	15+93.11 BK	62.02 RT	452731.83	841549.00	---	R=42'; R=58'
PD1872	16+20.49 BK	82.02 RT	452773.83	841549.00	868.35	EDGE OF ASPH DWY; END RAD
PD1873	16+19.43 BK	84.39 RT	452773.83	841551.79	---	EDGE OF ASPH DWY; MATCH EXISTING
PD1874	16+28.78 BK	93.16 RT	452789.83	841551.79	---	EDGE OF ASPH DWY; MATCH EXISTING
PD1875	16+29.88 BK	90.86 RT	452789.83	841549.00	868.00	EDGE OF ASPH DWY; END RAD
PD1876	16+39.96 BK	62.02 RT	452781.75	841519.46	868.53	EDGE OF ASPH DWY; END RAD; BEGIN RAD
PD1877	16+59.91 BK	63.53 RT	452798.96	841509.28	---	R=20'
PD1878	16+44.13 BK	51.24 RT	452778.99	841508.24	868.73	EDGE OF ASPH DWY; BEGIN RAD; BEGIN TAPER
PD1879	16+53.87 BK	44.21 RT	452782.94	841496.90	868.72	EOP; END TAPER
PD1880	16+02.74 BK	43.51 LT	452694.80	841449.71	869.85	EOP; END RAD; BEGIN RAD
PD1881	14+89.21 BK	110.00 LT	452607.52	841400.89	---	R=100'

2



LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- TTA — TEMPORARY TURTLE TURN-AROUND
- A/B — PLACE INLET PROTECTION TYPE A UNTIL PERMANENT STABILIZATION IS ESTABLISHED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 65	E

2

2

R/W

R/W

694+00 SB

695+00 SB

696+00 SB

697+00 SB

USH 51 SB

698+00 SB

699+00 SB

700+00 SB

701+00 SB

MATCH LINE 693+50 NB

694+00 NB

695+00 NB

696+00 NB

697+00 NB

698+00 NB

699+00 NB

700+00 NB

701+

MATCH LINE 701+00 NB

A/C

A/C

USH 51 NB

R/W

POST

A/C

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- TTA — TEMPORARY TURTLE TURN-AROUND
- A/B — PLACE INLET PROTECTION TYPE A UNTIL PERMANENT STABILIZATION IS ESTABLISHED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 66	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022002-ec

PLOT DATE : 8/21/2026 8:22 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- TTA — TEMPORARY TURTLE TURN-AROUND
- A/B — PLACE INLET PROTECTION TYPE A UNTIL PERMANENT STABILIZATION IS ESTABLISHED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C

N

MATCH LINE 6+50 DR

DYRESON ROAD

7+00 DR

6+00 DR

R/W

SIGN POST

MATCH LINE 701+00 NB

MATCH LINE 708+50 NB

702+00 SB

USH 51 SB

703+00 SB

704+00 SB

705+00 SB

706+00 SB

707+00 SB

708+00 SB

A/D

702+00 NB

703+00 NB

704+00 NB

705+00 NB

706+00 NB

707+00 NB

708+00 NB

USH 51 NB

RIPRAP LIGHT REQ'D

11+00 DY

12+00 DY

MATCH LINE 12+00 DY

13+00 DY

14+00 DY

TLE

AG - POWER

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 67	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022003-ec

PLOT DATE : 8/21/2026 8:22 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

N

R/W

709+00 SB

710+00 SB

711+00 SB

712+00 SB

USH 51 SB

713+00 SB

714+00 SB

715+00 SB

716+00 SB

A/D

709+00 NB

710+00 NB

711+00 NB

712+00 NB

713+00 NB

714+00 NB

715+00 NB

USH 51 NB

MATCH LINE 708+50 NB

MATCH LINE 716+00 NB

R/W

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- TTA — TEMPORARY TURTLE TURN-AROUND
- A/B — PLACE INLET PROTECTION TYPE A UNTIL PERMANENT STABILIZATION IS ESTABLISHED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 68	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022004-ec

PLOT DATE : 8/21/2026 8:22 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE 716+00 NB

MATCH LINE 723+50 NB

R/W

R/W

TLE

717+00 SB

USH 51 SB

718+00 SB

719+00 SB

720+00 SB

721+00 SB

722+00 SB

USH 51

723+00 NB

00 NB

717+00 NB

718+00 NB

719+00 NB

720+00 NB

721+00 NB

722+00 NB

USH 51 NB

R/W

R/W

SIGN

SIGN

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- TTA — TEMPORARY TURTLE TURN-AROUND
- A/B — PLACE INLET PROTECTION TYPE A UNTIL PERMANENT STABILIZATION IS ESTABLISHED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 69	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022005-ec

PLOT DATE : 8/21/2026 8:22 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

N

TLE

TLE

R/W

USH 51

724+00 NB

725+00 NB

726+00 NB

727+00 NB

728+00 NB

729+00 NB

730+00 NB

731+00 NB

MATCH LINE 723+50 NB

MATCH LINE 731+00 NB

TLE

R/W

TLE

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- TTA — TEMPORARY TURTLE TURN-AROUND
- A/B — PLACE INLET PROTECTION TYPE A UNTIL PERMANENT STABILIZATION IS ESTABLISHED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 70	E

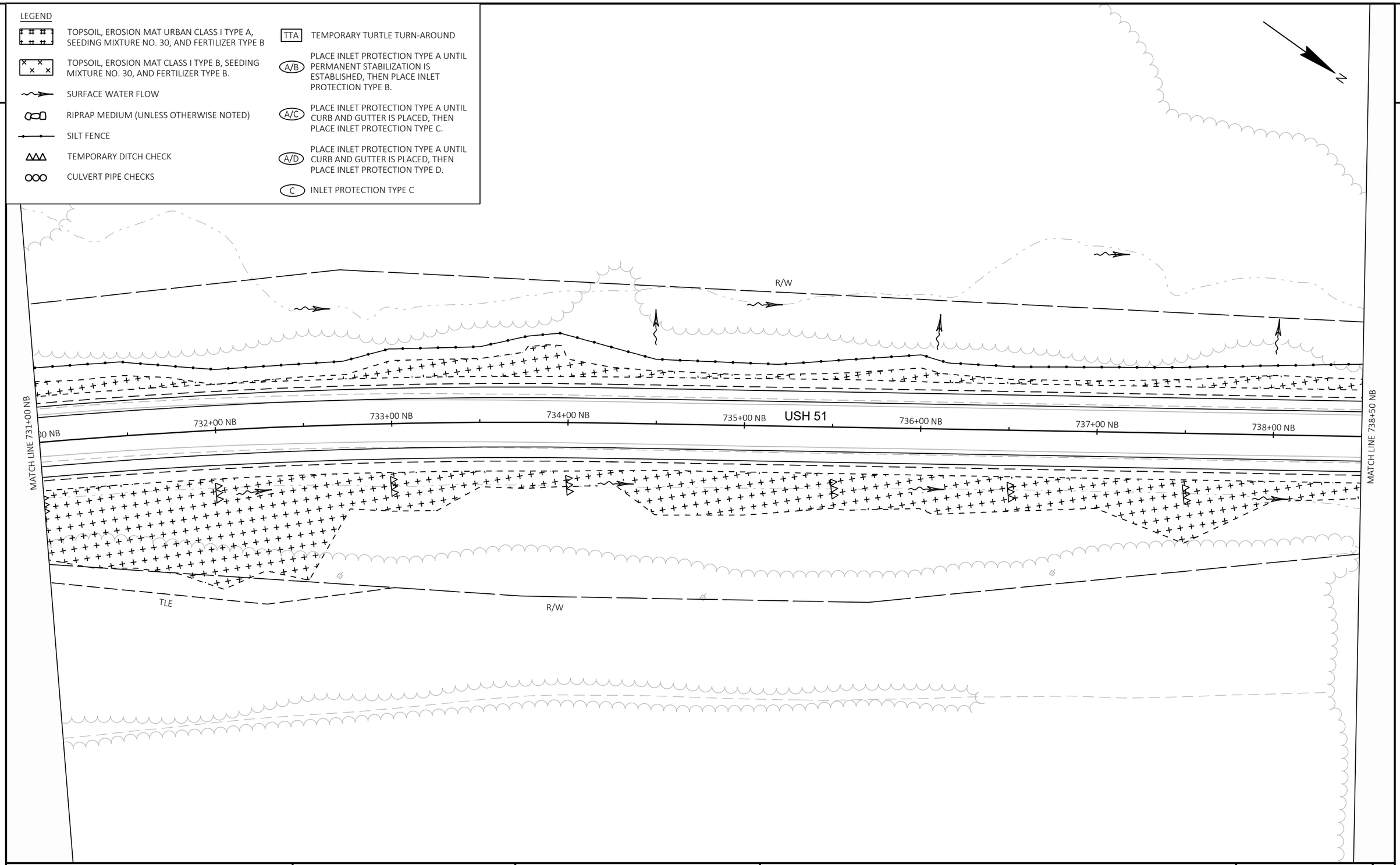
FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022006-ec

PLOT DATE : 8/21/2026 8:22 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- TTA — TEMPORARY TURTLE TURN-AROUND
- A/B — PLACE INLET PROTECTION TYPE A UNTIL PERMANENT STABILIZATION IS ESTABLISHED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C



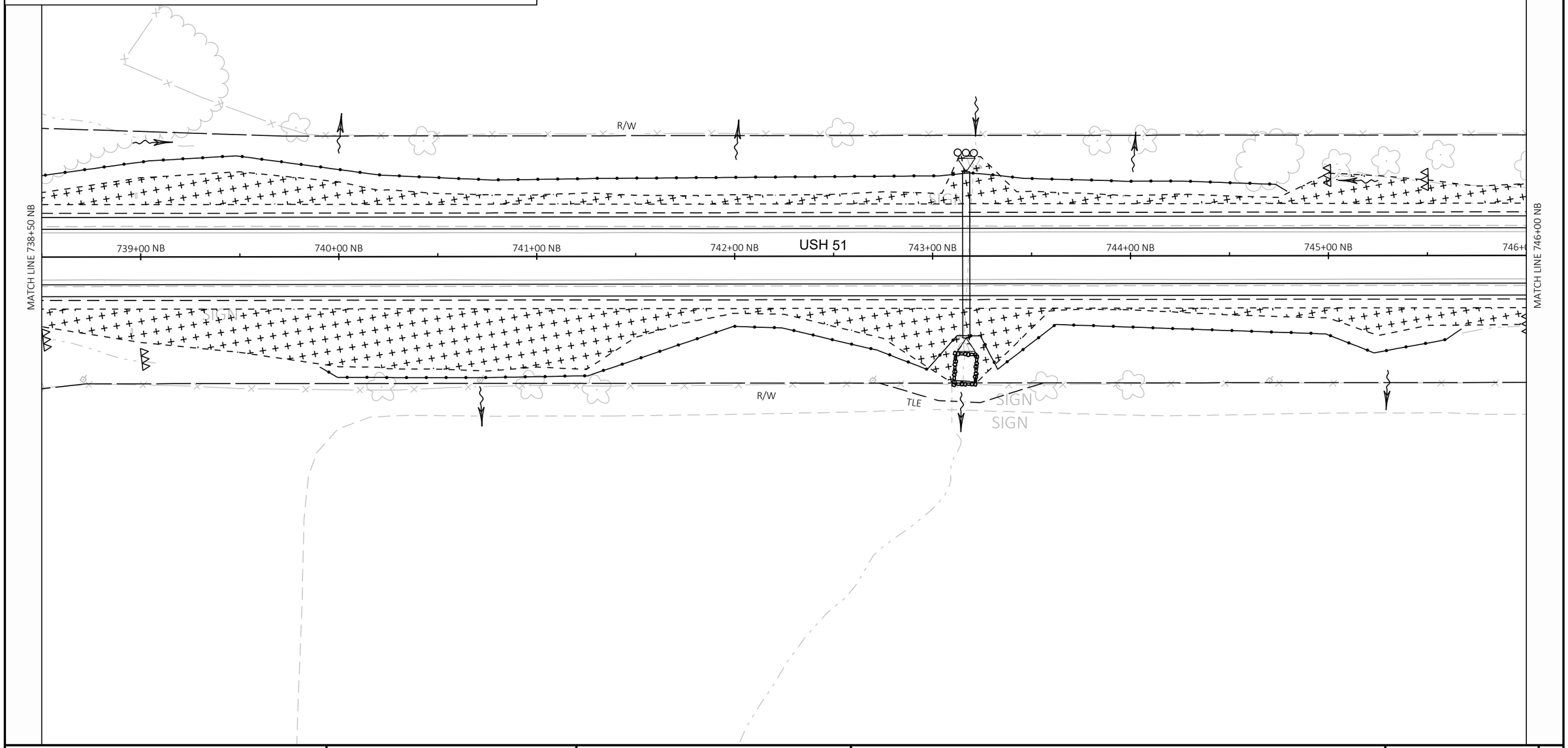
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 71	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022007-ec
PLOT DATE : 8/21/2026 8:22 AM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- TTA — TEMPORARY TURTLE TURN-AROUND
- A/B — PLACE INLET PROTECTION TYPE A UNTIL PERMANENT STABILIZATION IS ESTABLISHED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C



PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 72	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022008-ec

PLOT DATE : 8/21/2026 8:22 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

GREENHOUSE

WELL

SEPC

R/W

SIGN

MATCH LINE 746+00 NB

747+00 NB

748+00 NB

749+00 NB

750+00 NB

751+00 NB

USH 51

752+00 NB

753+00 NB

MATCH LINE 753+50 NB

R/W

SIGN

SIGN

POST

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- TTA — TEMPORARY TURTLE TURN-AROUND
- A/B — PLACE INLET PROTECTION TYPE A UNTIL PERMANENT STABILIZATION IS ESTABLISHED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 73	E

2

POST POST

ATHLETIC FIELD

N

RUINS

A/C

R/W

SIGN

W

MATCH LINE 753+50 NB

754+00 NB

755+00 NB

USH 51

756+00 NB

757+00 NB

758+00 NB

759+00 NB

760+00 NB

761+

MATCH LINE 761+00 NB

R/W

R/W

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- TTA — TEMPORARY TURTLE TURN-AROUND
- A/B — PLACE INLET PROTECTION TYPE A UNTIL PERMANENT STABILIZATION IS ESTABLISHED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 74	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022010-ec

PLOT DATE : 8/21/2026 8:22 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

R/W

TTA

R/W

762+00 NB

763+00 NB

764+00 NB

765+00 NB

766+00 NB

USH 51

767+00 NB

768+00 NB

MATCH LINE 761+00 NB

MATCH LINE 768+50 NB

TTA

SIGN

R/W

R/W

C-13-2093

R/W

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- TTA — TEMPORARY TURTLE TURN-AROUND
- A/B — PLACE INLET PROTECTION TYPE A UNTIL PERMANENT STABILIZATION IS ESTABLISHED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 75	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022011-ec

PLOT DATE : 8/21/2026 8:22 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

C-13-2093

R/W

R/W

SIGN

MATCH LINE 768+50 NB

769+00 NB

770+00 NB

771+00 NB

772+00 NB

USH 51

773+00 NB

774+00 NB

775+00 NB

776+

MATCH LINE 776+00 NB

R/W

SIGN

R/W

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- TTA — TEMPORARY TURTLE TURN-AROUND
- A/B — PLACE INLET PROTECTION TYPE A UNTIL PERMANENT STABILIZATION IS ESTABLISHED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 76	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022012-ec

PLOT DATE : 8/21/2026 8:22 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

N

C-13-2094

R/W

MATCH LINE 776+00 NB

776+00 NB

777+00 NB

778+00 NB

779+00 NB

780+00 NB

781+00 NB

USH 51

782+00 NB

783+00 MG

783+00 NB

MATCH LINE 783+50 NB

R/W

R/W

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- TTA — TEMPORARY TURTLE TURN-AROUND
- A/B — PLACE INLET PROTECTION TYPE A UNTIL PERMANENT STABILIZATION IS ESTABLISHED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 77	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022013-ec

PLOT DATE : 8/21/2026 8:22 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

MATCH LINE 15+50 MH

MAHONEY ROAD

RIPRAP LIGHT REQ'D

R/W

TTA

USH 51 SB

USH 51 NB

784+00 MG

784+00 NB

785+00 MG

785+00 NB

786+00 MG

786+00 NB

787+00 MG

787+00 NB

788+00 MG

788+00 NB

789+00 MG

789+00 NB

790+00 MG

790+00 NB

791+00 MG

11+00 MA

12+00 MA

13+00 MA

16+00 MA

A/C

A/D

A/B

SIGN

RIPRAP LIGHT

TLE

MATCH LINE 783+50 NB

MATCH LINE 791+00 NB

N

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- TTA — TEMPORARY TURTLE TURN-AROUND
- A/B — PLACE INLET PROTECTION TYPE A UNTIL PERMANENT STABILIZATION IS ESTABLISHED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 78	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022014-ec

PLOT DATE : 8/21/2026 8:22 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

N

MATCH LINE 791+00 NB

MATCH LINE 798+50 NB

A/C

T

W

T

A/C

TLE

R/W

SIGN

USH 51 SB

792+00 MG

793+00 MG

794+00 MG

792+00 NB

793+00 NB

794+00 NB

795+00 M

795+00 NB

USH 51

796+00 M

796+00 NB

797+00 NB

798+00 NB

USH 51 NB

SIGN

SIGN

R/W

R/W

TLE

R/W

R/W

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- TTA — TEMPORARY TURTLE TURN-AROUND
- A/B — PLACE INLET PROTECTION TYPE A UNTIL PERMANENT STABILIZATION IS ESTABLISHED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 79	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022015-ec
PLOT DATE : 8/21/2026 8:22 AM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

N

NURSERY

TLE (ACQUIRED UNDER 5845-16-28 TPP)

R/W

SIGN

799+00 NB

800+00 NB

801+00 NB

802+00 NB

USH 51

803+00 NB

804+00 NB

805+00 NB

806+

MATCH LINE 798+50 NB

MATCH LINE 806+00 NB

R/W

R/W

TLE (ACQUIRED UNDER 5845-16-28 TPP)

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- TTA — TEMPORARY TURTLE TURN-AROUND
- A/B — PLACE INLET PROTECTION TYPE A UNTIL PERMANENT STABILIZATION IS ESTABLISHED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 80	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022016-ec

PLOT DATE : 8/21/2026 8:22 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

N

SEPC

A/C

T

FLAG

SIGN

TLE (ACQUIRED UNDER 5845-16-28 TPP)

TLE (ACQUIRED UNDER 5845-16-28 TPP)

R/W

MATCH LINE 806+00 NB

00 NB

807+00 NB

808+00 NB

809+00 NB

810+00 NB

811+00 NB

812+00 NB

813+00 NB

USH 51

USH 51 SB

USH 51 NB

SIGN

SIGN

SIGN

SIGN

SIGN

SIGN

R/W

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- TTA — TEMPORARY TURTLE TURN-AROUND
- A/B — PLACE INLET PROTECTION TYPE A UNTIL PERMANENT STABILIZATION IS ESTABLISHED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 81	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022017-ec

PLOT DATE : 8/21/2026 8:22 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TOPSOIL, EROSION MAT URBAN CLASS I TYPE A, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B
- TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 30, AND FERTILIZER TYPE B.
- SURFACE WATER FLOW
- RIPRAP MEDIUM (UNLESS OTHERWISE NOTED)
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- TTA — TEMPORARY TURTLE TURN-AROUND
- A/B — PLACE INLET PROTECTION TYPE A UNTIL PERMANENT STABILIZATION IS ESTABLISHED, THEN PLACE INLET PROTECTION TYPE B.
- A/C — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE C.
- A/D — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS PLACED, THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C

N

R/W

11+00 MH

12+00 MH

13+00 MH

14+00 MH

15+00 MH

RIPRAP LIGHT REQ'D

MAHONEY ROAD

TLE

11+00 BK

12+00 BK

13+00 BK

14+00 BK

15+00 BK

16+00 BK

17+00 BK

GROUNDSWELL WAY

A/D

SIGN

SEPC

WELL

A/C

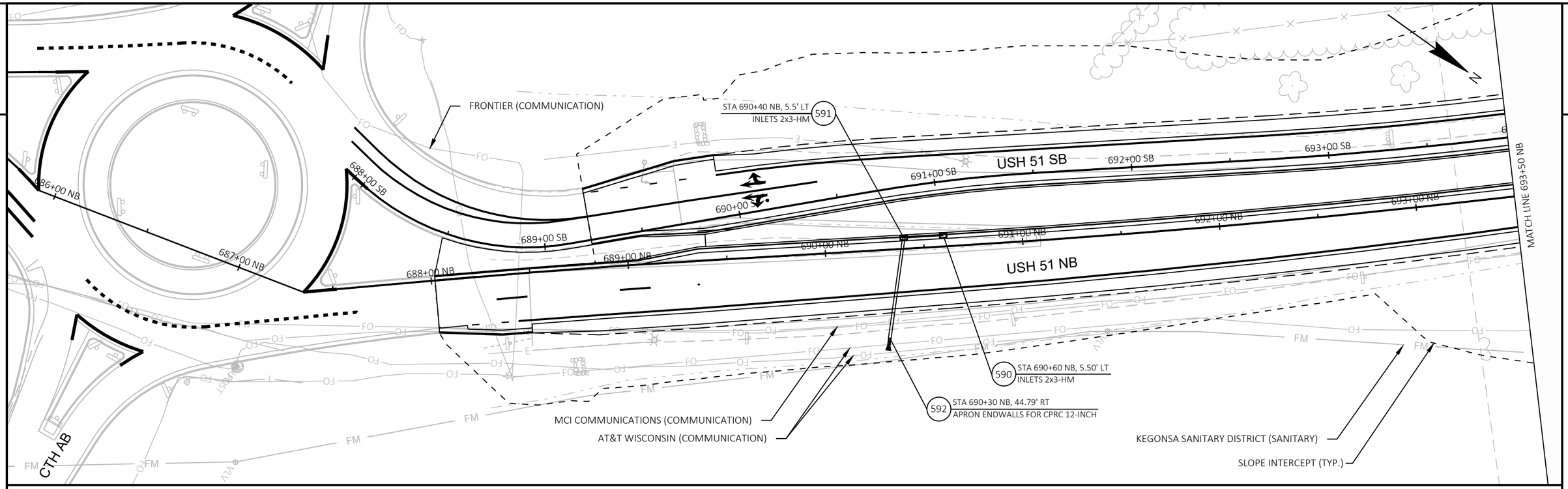
MH

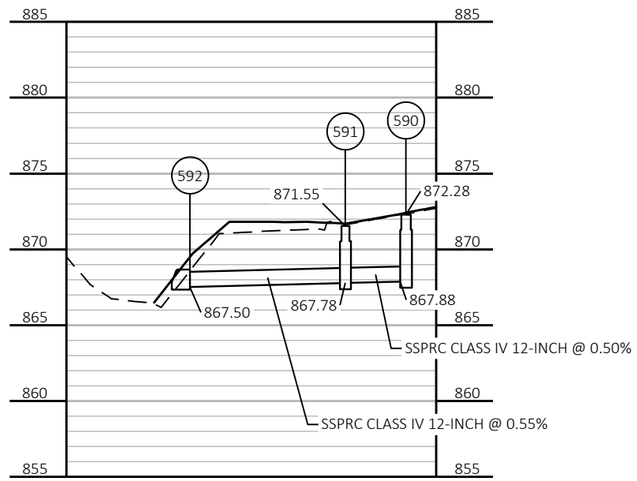
MATCH LINE 15+50 MH

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 82	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022018-ec

PLOT DATE : 8/21/2026 8:22 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : ##########



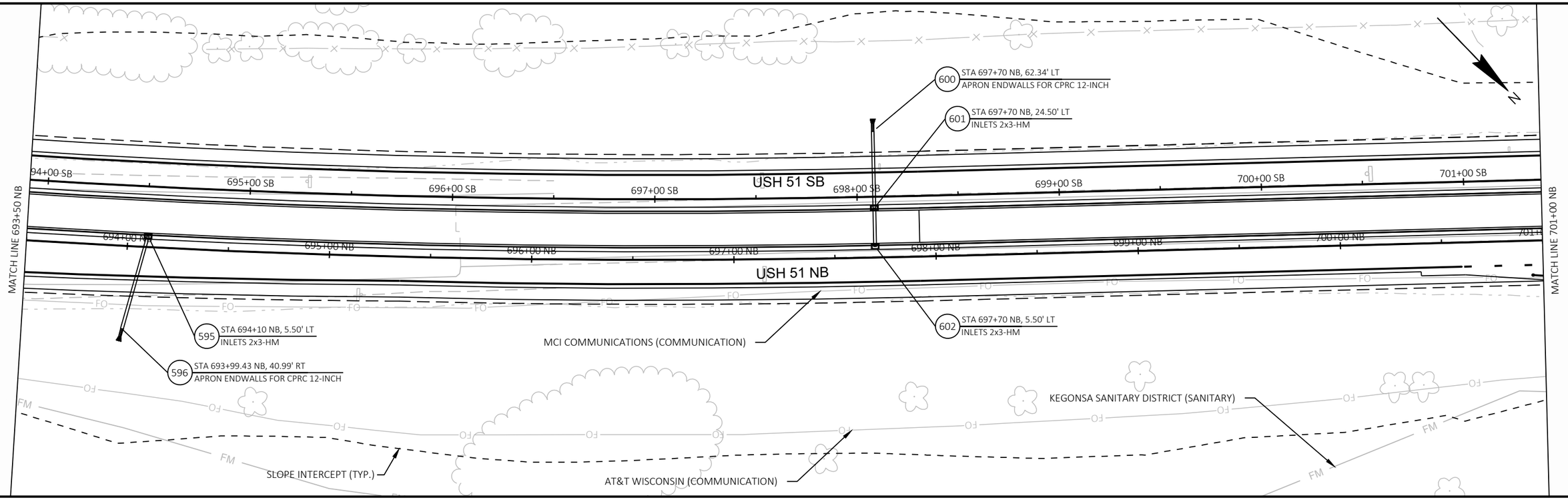


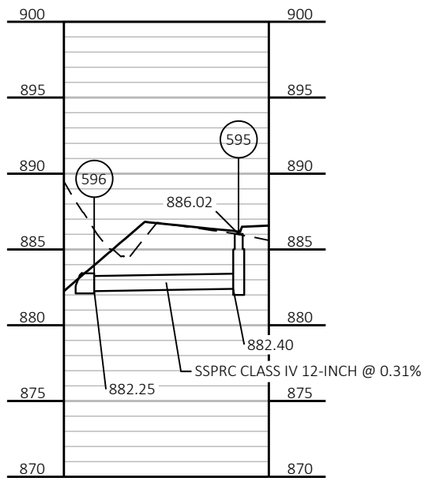
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	STORM SEWER PLAN	SHEET 83	E

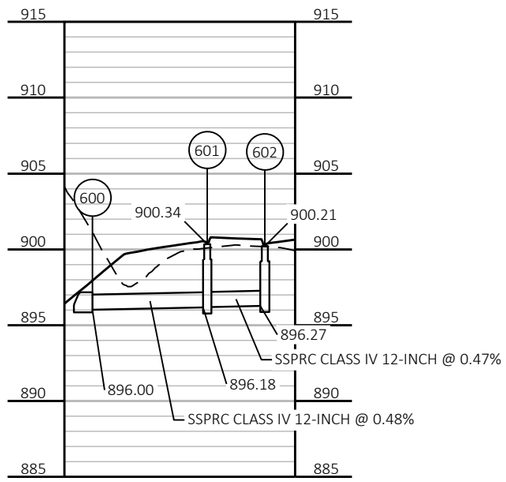
STRUCTURE NO.	STATION		OFFSET	C-C (ft)	DOWNSTREAM STRUCTURE	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEVATION	T.O.S. ELEVATION	DEPTH (FT)	DISCHARGE PIPE					REMARKS
													SIZE (IN)	INVERT ELEVATIONS	DISCHARGE ELEVATION	LENGTH (FT)	SLOPE (%)	
590	690+60.0	NB	5.5 ' LT	20.0	591	2X3-FT	HM	-	-	872.28	871.45	3.57	12	867.88	867.78	20	0.50%	
591	690+40.0	NB	5.5 ' LT	51.3	592	2X3-FT	HM	-	-	871.55	870.72	2.94	12	867.78	867.50	51	0.55%	
592	690+30.0	NB	44.8 ' RT	-	-	-	-	-	-	-	-	-	-	867.50	-	-	-	APRON ENDWALLS FOR CPRC 12-INCH

2

2







PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	STORM SEWER PLAN	SHEET 85	E

STRUCTURE NO.	STATION		OFFSET	C-C (ft)	DOWNSTREAM STRUCTURE	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEVATION	T.O.S. ELEVATION	DEPTH (FT)	DISCHARGE PIPE					REMARKS
													SIZE (IN)	INVERT ELEVATIONS	DISCHARGE ELEVATION	LENGTH (FT)	SLOPE (%)	
595	694+10.0	NB	5.5 ' LT	47.7	596	2X3-FT	HM	-	-	886.02	885.19	2.79	12	882.40	882.25	48	0.31%	
596	693+99.4	NB	41.0 ' RT	-	-	-	-	-	-	-	-	-	-	882.25	-	-	-	APRON ENDWALLS FOR CPRC 12-INCH
600	697+70.0	NB	62.3 ' LT	-	-	-	-	-	-	-	-	-	-	896.00	-	-	-	APRON ENDWALLS FOR CPRC 12-INCH
601	697+70.0	NB	24.5 ' LT	37.8	600	2X3-FT	HM	-	-	900.34	899.51	3.33	12	896.18	896.00	38	0.48%	
602	697+70.0	NB	5.5 ' LT	19.0	601	2X3-FT	HM	-	-	900.21	899.38	3.11	12	896.27	896.18	19	0.47%	

2

2

MATCH LINE 701+00 NB

MATCH LINE 708+50 NB

FRONTIER (COMMUNICATION)

ALLIANT ENERGY (ELECTRIC)

ALLIANT ENERGY (GAS)

BLUEBIRD FIBER (COMMUNICATION)

STA 706+48 NB, 67.1' LT
APRON ENDWALLS FOR CPRC 12-INCH
610

STA 706+48 NB, 15.9' LT
INLETS 2x3-HM
611

USH 51 SB

702+00 SB | 703+00 SB | 704+00 SB | 705+00 SB | 706+00 SB | 707+00 SB | 708+00 SB

USH 51 NB

702+00 NB | 703+00 NB | 704+00 NB | 705+00 NB | 706+00 NB | 707+00 NB | 708+00 NB

CAUTION

MCI COMMUNICATIONS (COMMUNICATION)

DYRESON ROAD

612
STA 706+48 NB, 6.27' LT
INLETS 2x3-HM

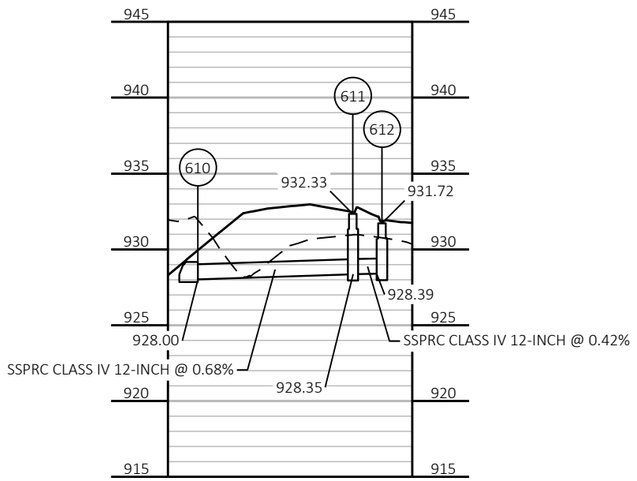
AT&T WISCONSIN (COMMUNICATION)

SLOPE INTERCEPT (TYP.)

KEGONSA SANITARY DISTRICT (SANITARY)

STA 705+33.05 NB, 99.3' RT
APRON ENDWALLS FOR CPRC 24-INCH
16 O

16
STA 706+48.69 NB, 90.24' RT
APRON ENDWALLS FOR CPRC 24-INCH



PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	STORM SEWER PLAN	SHEET 87	E

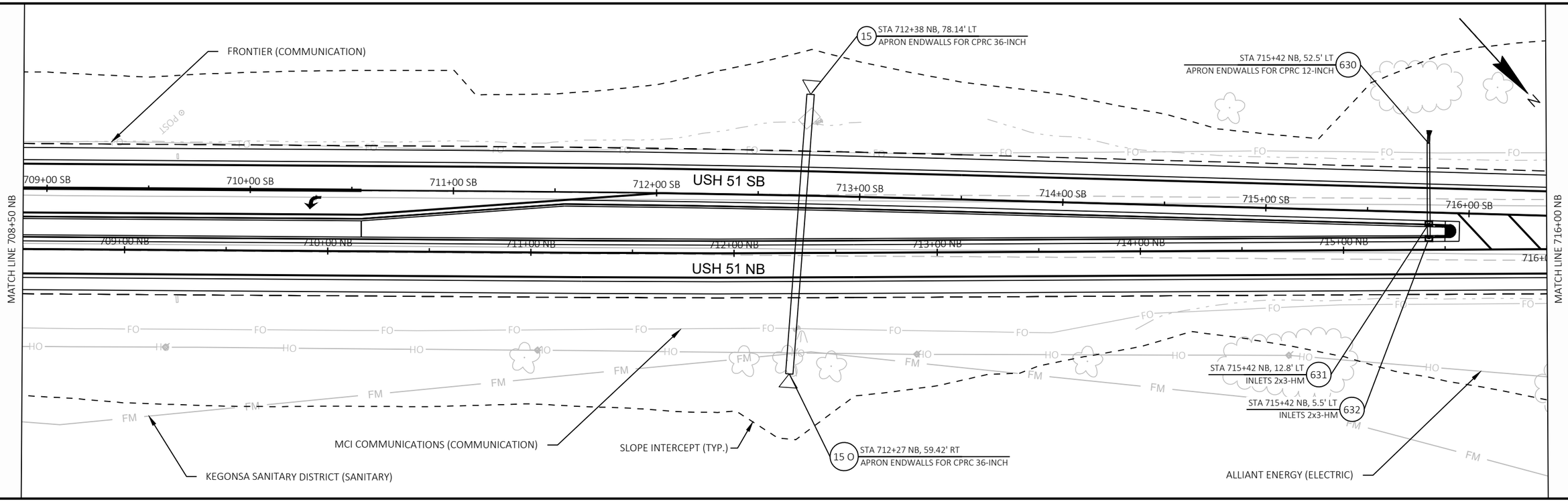
FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022503-ss

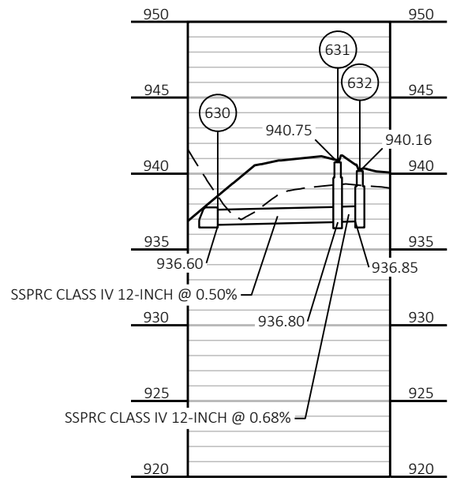
PLOT DATE : 8/26/2026 9:05 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

STRUCTURE NO.	STATION		OFFSET	C-C (ft)	DOWNSTREAM STRUCTURE	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEVATION	T.O.S. ELEVATION	DEPTH (FT)	DISCHARGE PIPE					REMARKS
													SIZE (IN)	INVERT ELEVATIONS	DISCHARGE ELEVATION	LENGTH (FT)	SLOPE (%)	
16	706+48.7	NB	90.2 ' RT	116.0	16 O	-	-	-	-	-	-	-	24	918.50	917.00	116	1.29%	APRON ENDWALLS FOR CPRC 24-INCH
16 O	705+33.0	NB	99.3 ' RT	-	-	-	-	-	-	-	-	-	-	917.00	-	-	-	APRON ENDWALLS FOR CPRC 24-INCH
610	706+48.0	NB	67.1 ' LT	-	-	-	-	-	-	929.17	-	-	-	928.00	-	-	-	APRON ENDWALLS FOR CPRC 12-INCH
611	706+48.0	NB	15.9 ' LT	51.2	610	2X3-FT	HM	-	-	932.33	931.50	3.15	12	928.35	928.00	51	0.68%	
612	706+48.0	NB	6.3 ' LT	9.6	611	2X3-FT	HM	-	-	931.72	930.89	2.50	12	928.39	928.35	10	0.42%	

2

2





PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	STORM SEWER PLAN	SHEET 89	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022504-ss

PLOT DATE : 4/9/2026 3:39 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

STRUCTURE NO.	STATION		OFFSET	C-C (ft)	DOWNSTREAM STRUCTURE	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEVATION	T.O.S. ELEVATION	DEPTH (FT)	DISCHARGE PIPE					REMARKS
													SIZE (IN)	INVERT ELEVATIONS	DISCHARGE ELEVATION	LENGTH (FT)	SLOPE (%)	
15	712+38.0	NB	78.1 ' LT	138.0	15 O	-	-	-	-	-	-	-	36	932.10	928.50	138	2.61%	APRON ENDWALLS FOR CPRC 36-INCH
15 O	712+27.0	NB	59.4 ' RT	-	-	-	-	-	-	-	-	-	-	928.50	-	-	-	APRON ENDWALLS FOR CPRC 36-INCH
630	715+42.0	NB	52.5 ' LT	-	-	-	-	-	-	-	-	-	-	936.60	-	-	-	APRON ENDWALLS FOR CPRC 12-INCH
631	715+42.0	NB	12.8 ' LT	39.7	630	2X3-FT	HM	-	-	940.75	939.92	3.12	12	936.80	936.60	40	0.50%	
632	715+42.0	NB	5.5 ' LT	7.3	631	2X3-FT	HM	-	-	940.16	939.33	2.48	12	936.85	936.80	7	0.68%	

2

MATCH LINE 716+00 NB

FRONTIER (COMMUNICATION)

STA 722+86.37 NB, 48.2' LT
APRON ENDWALLS FOR CULVERT PIPE 18-INCH
13D O

STA 722+60.42 NB, 46.7' LT
APRON ENDWALLS FOR CULVERT PIPE 18-INCH
13D

717+00 SB
USH 51 SB
718+00 SB
719+00 SB
720+00 SB
USH 51
721+00 SB
722+00 SB

00 NB
717+00 NB
USH 51 NB
718+00 NB
719+00 NB
720+00 NB
721+00 NB
722+00 NB
723+00 NB

MCI COMMUNICATIONS (COMMUNICATION)

SLOPE INTERCEPT (TYP.)

KEGONSA SANITARY DISTRICT (SANITARY)

ALLIANT ENERGY (ELECTRIC)

MATCH LINE 723+50 NB

2

13C
STA 724+23.56 NB, 60.12' LT
APRON ENDWALLS FOR CULVERT PIPE 18-INCH

13C O
STA 724+77.47 NB, 63.16' LT
APRON ENDWALLS FOR CULVERT PIPE 18-INCH

14 O
STA 727+02 NB, 64.20' LT
APRON ENDWALLS FOR CPRC 30-INCH

MATCH LINE 723+50 NB

724+00 NB
725+00 NB
726+00 NB
USH 51
727+00 NB
728+00 NB
729+00 NB
730+00 NB
731+00 NB

SLOPE INTERCEPT (TYP.)

14
STA 727+02 NB, 51.80' RT
APRON ENDWALLS FOR CPRC 30-INCH

MCI COMMUNICATIONS (COMMUNICATION)
ALLIANT ENERGY (ELECTRIC)

FRONTIER (COMMUNICATION)

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	STORM SEWER PLAN	SHEET 91	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022505-ss

PLOT DATE : 4/9/2026 3:39 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

STRUCTURE NO.	STATION		OFFSET	C-C (ft)	DOWNSTREAM STRUCTURE	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEVATION	T.O.S. ELEVATION	DEPTH (FT)	DISCHARGE PIPE					REMARKS
													SIZE (IN)	INVERT ELEVATIONS	DISCHARGE ELEVATION	LENGTH (FT)	SLOPE (%)	
13D	722+60.4	NB	46.7 ' LT	26.0	13D O	-	-	-	-	-	-	-	18	923.04	921.31	26	6.65%	APRON ENDWALLS FOR CULVERT PIPE 18-INCH; CLASS III-A NON-METAL CULVERT PIPE
13D O	722+86.4	NB	48.2 ' LT	-	-	-	-	-	-	-	-	-	-	921.31	-	-	-	APRON ENDWALLS FOR CULVERT PIPE 18-INCH

STRUCTURE NO.	STATION		OFFSET	C-C (ft)	DOWNSTREAM STRUCTURE	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEVATION	T.O.S. ELEVATION	DEPTH (FT)	DISCHARGE PIPE					REMARKS
													SIZE (IN)	INVERT ELEVATIONS	DISCHARGE ELEVATION	LENGTH (FT)	SLOPE (%)	
13C	724+23.6	NB	60.1 ' LT	54.0	13C O	-	-	-	-	-	-	-	18	916.58	915.09	54	2.76%	APRON ENDWALLS FOR CULVERT PIPE 18-INCH; CLASS III-A NON-METAL CULVERT PIPE
13C O	724+77.5	NB	63.2 ' LT	-	-	-	-	-	-	-	-	-	-	915.09	-	-	-	APRON ENDWALLS FOR CULVERT PIPE 18-INCH
14	727+02.0	NB	51.8 ' RT	116.0	14 O	-	-	-	-	-	-	-	30	909.25	906.60	116	2.28%	APRON ENDWALLS FOR CPRC 30-INCH
14 O	727+02.0	NB	64.2 ' LT	-	-	-	-	-	-	-	-	-	-	906.60	-	-	-	APRON ENDWALLS FOR CPRC 30-INCH

2

13A STA 743+17 NB, 42.55' LT
APRON ENDWALLS FOR CPRC 36-INCH

739+00 NB | 740+00 NB | 741+00 NB | 742+00 NB | USH 51 | 743+00 NB | 744+00 NB | 745+00 NB | 746+

MATCH LINE 746+00 NB

SLOPE INTERCEPT (TYP.)

13A O STA 743+17 NB, 41.45' RT
APRON ENDWALLS FOR CPRC 36-INCH

MCI COMMUNICATIONS (COMMUNICATION
ALLIANT ENERGY (ELECTRIC)
FRONTIER (COMMUNICATION)

WELL
SEPC

STA 748+64.02 NB, 33.9' LT
APRON ENDWALLS FOR CULVERT PIPE 18-INCH 13B O

13B STA 749+02.02 NB, 34.36' LT
APRON ENDWALLS FOR CULVERT PIPE 18-INCH

FRONTIER (COMMUNICATION)

MATCH LINE 746+00 NB

00 NB | 747+00 NB | 748+00 NB | 749+00 NB | 750+00 NB | 751+00 NB | USH 51 | 752+00 NB | 753+00 NB

MATCH LINE 753+50 NB

STA 748+33.36 NB, 34.1' RT
APRON ENDWALLS FOR CULVERT PIPE 18-INCH 12B O

12B STA 748+73.36 NB, 34.34' RT
APRON ENDWALLS FOR CULVERT PIPE 18-INCH

SLOPE INTERCEPT (TYP.)

ALLIANT ENERGY (ELECTRIC)
FRONTIER (COMMUNICATION)
ALLIANT ENERGY (ELECTRIC)
MCI COMMUNICATIONS (COMMUNICATION)

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	STORM SEWER PLAN	SHEET 93	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022506-ss
PLOT DATE : 4/9/2026 3:39 PM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

STRUCTURE NO.	STATION		OFFSET	C-C (ft)	DOWNSTREAM STRUCTURE	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEVATION	T.O.S. ELEVATION	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INVERT ELEVATIONS	DISCHARGE PIPE DISCHARGE ELEVATION	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
13A	743+17.0	NB	42.5 ' LT	84.0	13A O	-	-	-	-	-	-	-	36	880.90	880.80	84	0.12%	APRON ENDWALLS FOR CPRC 36-INCH
13A O	743+17.0	NB	41.5 ' RT	-	-	-	-	-	-	-	-	-	-	880.80	-	-	-	APRON ENDWALLS FOR CPRC 36-INCH

STRUCTURE NO.	STATION		OFFSET	C-C (ft)	DOWNSTREAM STRUCTURE	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEVATION	T.O.S. ELEVATION	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INVERT ELEVATIONS	DISCHARGE PIPE DISCHARGE ELEVATION	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
12B	748+73.4	NB	34.3 ' RT	40.0	12B O	-	-	-	-	-	-	-	18	893.04	892.32	40	1.80%	APRON ENDWALLS FOR CULVERT PIPE 18-INCH; CLASS III-A NON-METAL CULVERT PIPE
12B O	748+33.4	NB	34.1 ' RT	-	-	-	-	-	-	-	-	-	-	892.32	-	-	-	APRON ENDWALLS FOR CULVERT PIPE 18-INCH
13B	749+02.0	NB	34.4 ' LT	38.0	13B	-	-	-	-	-	-	-	18	893.60	892.73	38	2.29%	APRON ENDWALLS FOR CULVERT PIPE 18-INCH; CLASS III-A NON-METAL CULVERT PIPE
13B O	748+64.0	NB	33.9 ' LT	-	-	-	-	-	-	-	-	-	-	892.73	-	-	-	APRON ENDWALLS FOR CULVERT PIPE 18-INCH

2

MATCH LINE 753+50 NB

754+00 NB

755+00 NB

756+00 NB

757+00 NB

USH 51

758+00 NB

759+00 NB

760+00 NB

761+00 NB

MATCH LINE 761+00 NB

2

RUINS

A/C

SIGN

FRONTIER (COMMUNICATION)

11 STA 756+75 NB, 30.16' LT
APRON ENDWALLS FOR CPRCHE 19x30-INCH

11 O STA 756+75 NB, 37.84' RT
APRON ENDWALLS FOR CPRCHE 19x30-INCH

SLOPE INTERCEPT (TYP.)

KEGONSA SANITARY DISTRICT (SANITARY)

ALLIANT ENERGY (ELECTRIC)

MCI COMMUNICATIONS (COMMUNICATION)

FRONTIER (COMMUNICATION)

ATC (ELECTRIC)

MATCH LINE 761+00 NB

762+00 NB

763+00 NB

764+00 NB

765+00 NB

766+00 NB

USH 51

767+00 NB

768+00 NB

CAUTION

FRONTIER (COMMUNICATION)

MCI COMMUNICATIONS (COMMUNICATION)

SIGN

10 STA 762+77.39 NB, 44.9' RT
APRON ENDWALLS FOR CULVERT PIPE 18-INCH

10 O STA 763+13.39 NB, 44.44' RT
APRON ENDWALLS FOR CULVERT PIPE 18-INCH

SLOPE INTERCEPT (TYP.)

ALLIANT ENERGY (GAS)

ALLIANT ENERGY (ELECTRIC)

C-13-2093

KEGONSA SANITARY DISTRICT (SANITARY)

ATC (ELECTRIC)

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	STORM SEWER PLAN	SHEET 95	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022507-ss

PLOT DATE : 8/26/2026 9:04 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

STRUCTURE NO.	STATION		OFFSET	C-C (ft)	DOWNSTREAM STRUCTURE	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEVATION	T.O.S. ELEVATION	DEPTH (FT)	DISCHARGE PIPE					REMARKS
													SIZE (IN)	INVERT ELEVATIONS	DISCHARGE ELEVATION	LENGTH (FT)	SLOPE (%)	
11	756+75.0	NB	30.2 ' LT	68.0	11 O	-	-	-	-	-	-	-	19x30	886.00	885.20	68	1.18%	APRON ENDWALLS FOR CPRCHE 19x30-INCH
11 O	756+75.0	NB	37.8 ' RT	-	-	-	-	-	-	-	-	-	-	885.20	-	-	-	APRON ENDWALLS FOR CPRCHE 19x30-INCH

STRUCTURE NO.	STATION		OFFSET	C-C (ft)	DOWNSTREAM STRUCTURE	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEVATION	T.O.S. ELEVATION	DEPTH (FT)	DISCHARGE PIPE					REMARKS
													SIZE (IN)	INVERT ELEVATIONS	DISCHARGE ELEVATION	LENGTH (FT)	SLOPE (%)	
10	762+77.4	NB	44.9 ' RT	36.0	10 O	-	-	-	-	-	-	-	18	863.75	862.00	36	4.86%	APRON ENDWALLS FOR CULVERT PIPE 18-INCH; CLASS III-A NON-METAL CULVERT PIPE
10 O	763+13.4	NB	44.4 ' RT	-	-	-	-	-	-	-	-	-	-	862.00	-	-	-	APRON ENDWALLS FOR CULVERT PIPE 18-INCH

2

MATCH LINE 15+50 MH

MAHONEY ROAD

STA 13+50 ME, 1.5' R
INLETS 2x3-H (738)

STA 16+15 MH, 1.5' L
INLETS 4-H (736)

STA 10+66 MA, 21.5' L
INLETS 2x3-H (734)

STA 11+85 MF, 11.3' L
APRON ENDWALLS FOR CPRC 15-INCH (730)

STA 11+85 MF, 1.5' L
INLETS 4-H (732)

STA 787+67 MG, 48.1' L
APRON ENDWALLS FOR CULVERT PIPE 18-INCH (7C)

STA 787+18 MG, 49.0' L
APRON ENDWALLS FOR CULVERT PIPE 18-INCH (7C O)

FRONTIER (COMMUNICATION)

FRONTIER (COMMUNICATION)

ALLIANT ENERGY (ELECTRIC)

STA 13+13 MA, 21.5' L
INLETS 2x3-H (714)

USH 51 SB

USH 51 NB

STA 12+90 MA, 1.2' R
INLETS 2x2.5-T (722)

STA 12+80 MA, 1.2' R
MANHOLES 5-FT-T (720)

STA 11+75 MA, 21.5' L
INLETS 4-H (750)

STA 11+31 MC, 22.5' R
APRON ENDWALLS FOR CPRC 24-INCH (710)

STA 11+31 MC, 1.5' R
INLETS 4-HM (712)

KEGONSA SANITARY DISTRICT (SANITARY)

STA 11+37 MD, 1.5' L
INLETS 4-H-S (742)

MCI COMMUNICATIONS (COMMUNICATION)

STA 12+04 MD, 15.1' L
INLETS MEDIAN 1G-MS (762)

STA 12+02 MD, 1.5' L
INLETS 4-HM-S (760)

STA 12+12 MD, 1.5' L
INLETS 4-HM-S (758)

STA 790+16 MG, 1.5' R
INLETS 2x3-H (756)

STA 792+60 MG, 17.5' L
INLETS 2x3-HM (764)

STA 15+59 MB, 1.5' L
INLETS 4-H (752)

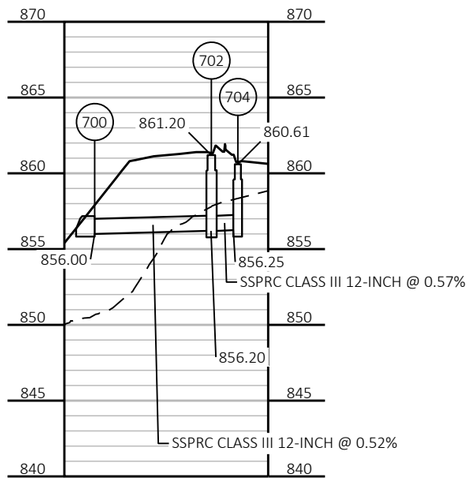
STA 12+80 MC, 1.5' R
INLETS 2x3-H (754)

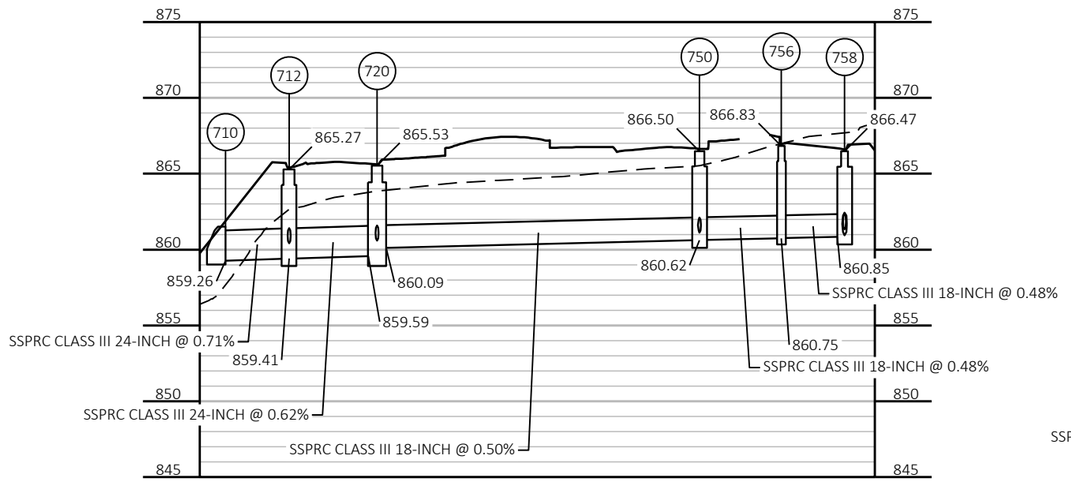
FRONTIER (COMMUNICATION)
MCI COMMUNICATIONS (COMMUNICATION)
ALLIANT ENERGY (ELECTRIC)

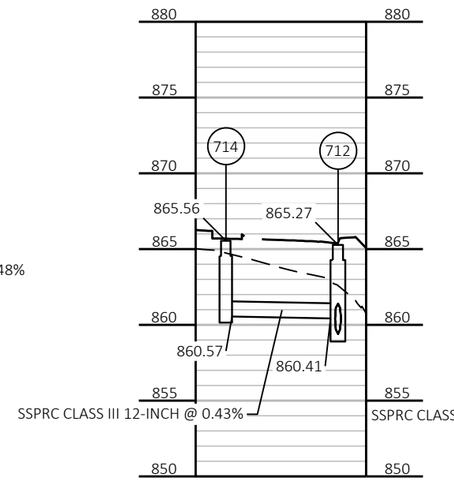
STA 785+86 MG, 1.5' R
INLETS 2x3-HM (704)

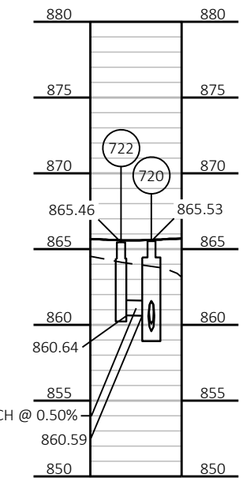
STA 785+86 NB, 5.0' L
INLETS 2x3-HM (702)

STA 785+86 NB, 33.6' R
APRON ENDWALLS FOR CPRC 12-INCH (700)









PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	STORM SEWER PLAN	SHEET 97	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022502-SS.DWG
LAYOUT NAME - 022509-ss
PLOT DATE : 4/27/2026 1:25 PM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

MATCH LINE 15+50 MH

MAHONEY ROAD

STA 13+50 ME, 1.5' R
INLETS 2x3-H (738)

STA 16+15 MH, 1.5' L
INLETS 4-H (736)

STA 10+66 MA, 21.5' L
INLETS 2x3-H (734)

STA 787+67 MG, 48.1' L
APRON ENDWALLS FOR CULVERT PIPE 18-INCH (7C)

STA 11+85 MF, 11.3' L
APRON ENDWALLS FOR CPRC 15-INCH (730)

STA 11+85 MF, 1.5' L
INLETS 4-H (732)

STA 787+18 MG, 49.0' L
APRON ENDWALLS FOR CULVERT PIPE 18-INCH (7C O)

FRONTIER (COMMUNICATION)

FRONTIER (COMMUNICATION)

STA 13+13 MA, 21.5' L
INLETS 2x3-H (714)

ALLIANT ENERGY (ELECTRIC)

USH 51 SB

USH 51 NB

STA 11+37 MD, 1.5' L
INLETS 4-H-S (742)

MCI COMMUNICATIONS (COMMUNICATION)

STA 12+04 MD, 15.1' L
INLETS MEDIAN 1G-MS (762)

STA 12+02 MD, 1.5' L
INLETS 4-HM-S (760)

STA 12+12 MD, 1.5' L
INLETS 4-HM-S (758)

STA 790+16 MG, 1.5' R
INLETS 2x3-H (756)

STA 792+60 MG, 17.5' L
INLETS 2x3-HM (764)

STA 12+90 MA, 1.2' R
INLETS 2x2.5-T (722)

STA 12+80 MA, 1.2' R
MANHOLES 5-FT-T (720)

STA 11+75 MA, 21.5' L
INLETS 4-H (750)

STA 15+59 MB, 1.5' L
INLETS 4-H (752)

STA 12+80 MC, 1.5' R
INLETS 2x3-H (754)

STA 785+86 MG, 1.5' R
INLETS 2x3-HM (704)

STA 785+86 NB, 5.0' L
INLETS 2x3-HM (702)

STA 785+86 NB, 33.6' R
APRON ENDWALLS FOR CPRC 12-INCH (700)

STA 11+31 MC, 22.5' R
APRON ENDWALLS FOR CPRC 24-INCH (710)

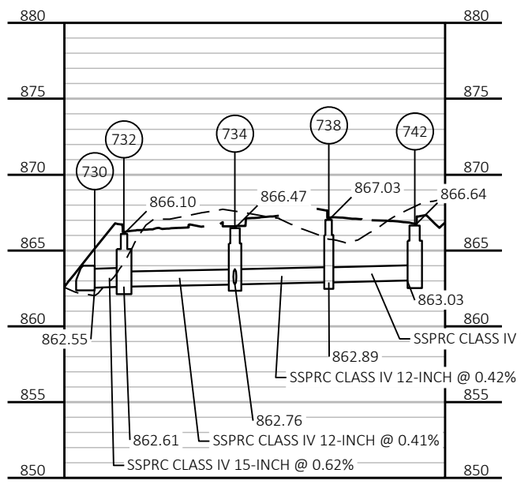
STA 11+31 MC, 1.5' R
INLETS 4-HM (712)

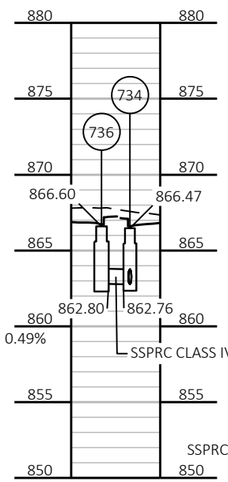
KEGONSA SANITARY DISTRICT (SANITARY)

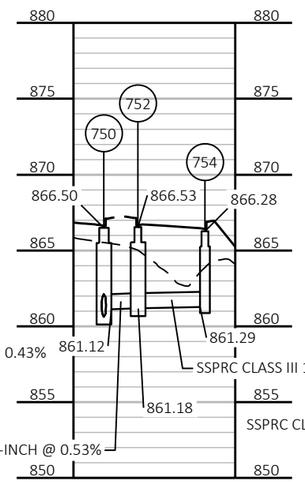
FRONTIER (COMMUNICATION)

MCI COMMUNICATIONS (COMMUNICATION)

ALLIANT ENERGY (ELECTRIC)









PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	STORM SEWER PLAN	SHEET 98	E

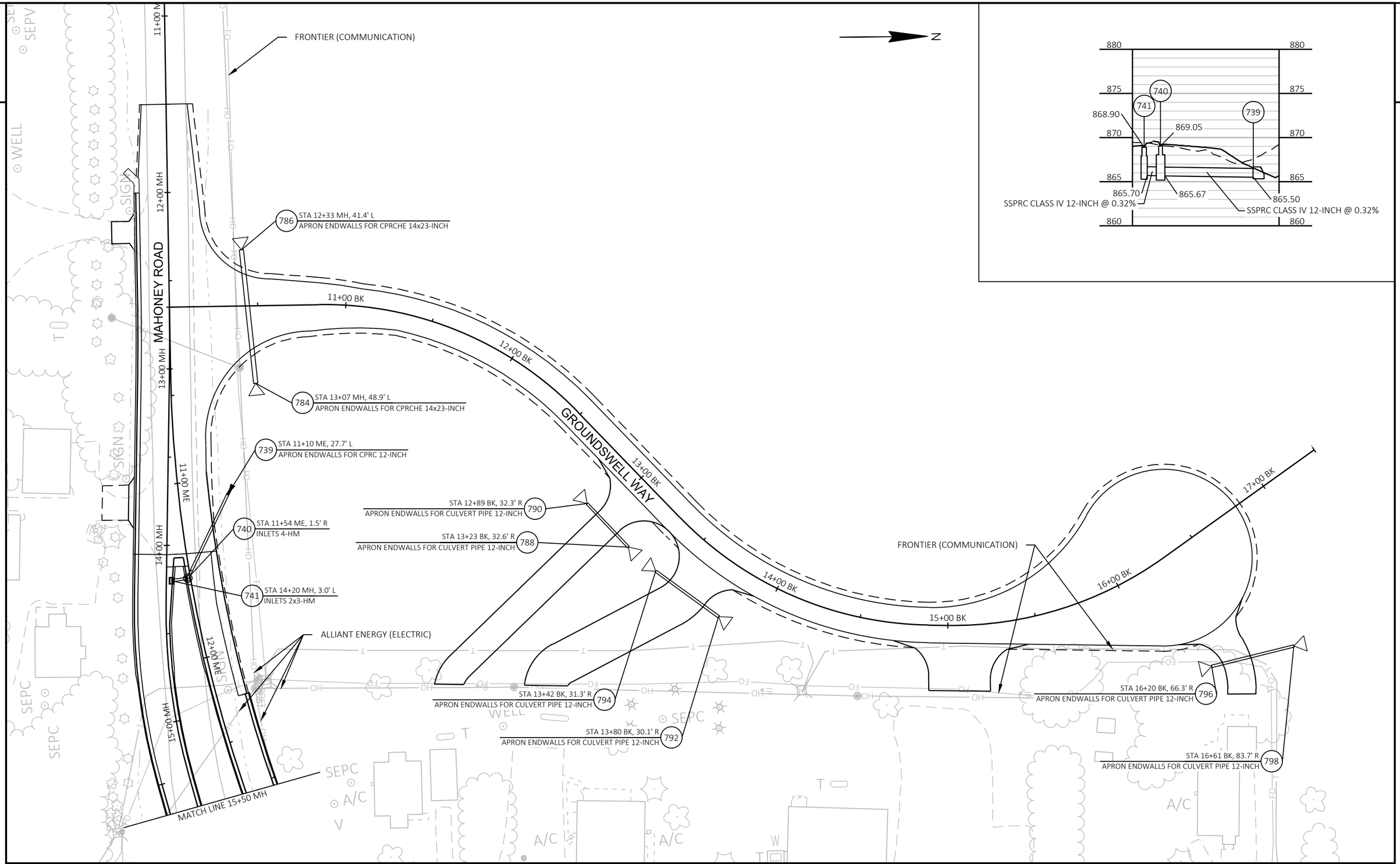
FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022502-SS.DWG
LAYOUT NAME - 022510-ss

PLOT DATE : 4/27/2026 1:26 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

STRUCTURE NO.	STATION		OFFSET	C-C (ft)	DOWNSTREAM STRUCTURE	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEVATION	T.O.S. ELEVATION	DEPTH (FT)	DISCHARGE PIPE					REMARKS
													SIZE (IN)	INVERT ELEVATIONS	DISCHARGE ELEVATION	LENGTH (FT)	SLOPE (%)	
7C	787+66.8	MG	48.1 ' LT	48.0	7C O	-	-	-	-	-	-	-	18	858.45	856.25	48	4.58%	APRON ENDWALLS FOR CULVERT PIPE 18-INCH; CLASS III-A NON-METAL CULVERT PIPE
7C O	787+18.1	MG	49.0 ' LT	-	-	-	-	-	-	-	-	-	-	856.25	-	-	-	APRON ENDWALLS FOR CULVERT PIPE 18-INCH
700	785+86.0	NB	33.6 ' RT	-	-	-	-	-	-	-	-	-	-	856.00	-	-	-	APRON ENDWALLS FOR CPRC 12-INCH
702	785+86.0	NB	5.0 ' LT	38.5	700	2X3-FT	HM	-	-	861.20	860.37	4.17	12	856.20	856.00	39	0.52%	
704	785+86.0	MG	1.5 ' RT	8.7	702	2X3-FT	HM	-	-	860.61	859.78	3.53	12	856.25	856.20	9	0.57%	
710	11+31.0	MC	22.5 ' RT	-	-	-	-	-	-	-	-	-	-	859.26	-	-	-	APRON ENDWALLS FOR CPRC 24-INCH
712	11+31.0	MC	1.5 ' RT	21.0	710	4-FT	HM	-	-	865.27	864.44	5.03	24	859.41	859.26	21	0.71%	
714	13+13.0	MA	21.5 ' LT	37.0	712	2X3-FT	H	-	-	865.56	864.73	4.16	12	860.57	860.41	37	0.43%	
720	12+80.0	MA	1.2 ' RT	29.1	712	-	T	5-FT	-	865.53	864.57	4.98	24	859.59	859.41	29	0.62%	FLAT SLAB TOP REQ'D
722	12+90.3	MA	1.2 ' RT	10.0	722	2X2.5-FT	T	-	-	865.46	864.50	3.91	12	860.59	860.64	10	-0.50%	
730	11+85.0	MF	11.3 ' LT	-	-	-	-	-	-	-	-	-	-	862.55	-	-	-	APRON ENDWALLS FOR CPRC 15-INCH
732	11+85.0	MF	1.5 ' LT	9.7	730	4-FT	H	-	-	866.10	865.27	2.66	15	862.61	862.55	10	0.62%	
734	10+66.0	MA	21.5 ' LT	36.6	732	2X3-FT	H	-	-	866.47	865.64	2.88	12	862.76	862.61	37	0.41%	
736	16+15.0	MH	1.5 ' LT	9.3	734	4-FT	H	-	-	866.60	865.77	2.97	12	862.80	862.76	9	0.43%	
738	13+50.0	ME	1.5 ' RT	30.9	734	2X3-FT	H	-	-	867.03	866.20	3.31	12	862.89	862.76	31	0.42%	
742	11+36.5	MD	1.5 ' LT	28.4	738	4-FT	H-S	-	-	866.64	865.81	2.78	12	863.03	862.89	28	0.49%	
750	11+75.0	MA	21.5 ' LT	106.4	720	4-FT	H	-	-	866.50	865.67	5.05	18	860.62	860.09	106	0.50%	
752	789+90.0	NB	13.2 ' RT	11.3	750	4-FT	H	-	-	866.53	865.70	4.52	12	861.18	861.12	11	0.53%	
754	12+80.0	MC	1.5 ' RT	22.1	752	2X3-FT	H	-	-	866.28	865.45	4.16	12	861.29	861.18	22	0.50%	
756	790+16.0	MG	1.5 ' RT	27.0	750	2X3-FT	H	-	-	866.83	866.00	5.25	18	860.75	860.62	27	0.48%	
758	12+12.0	MD	1.5 ' LT	20.9	756	4-FT	HM-S	-	-	866.47	865.64	4.79	18	860.85	860.75	21	0.48%	
760	12+01.8	MD	1.5 ' LT	10.0	758	4-FT	HM-S	-	-	866.59	865.76	4.76	18	861.00	860.95	10	0.50%	
762	12+04.0	MD	15.1 ' LT	13.8	760	MEDIAN 1 GRATE	MS	-	-	866.20	866.20	4.98	18	861.22	861.00	14	1.59%	
764	792+60.0	MG	17.5 ' LT	236.2	758	2X3-FT	HM	-	-	868.52	867.69	3.69	12	864.00	861.35	236	1.12%	

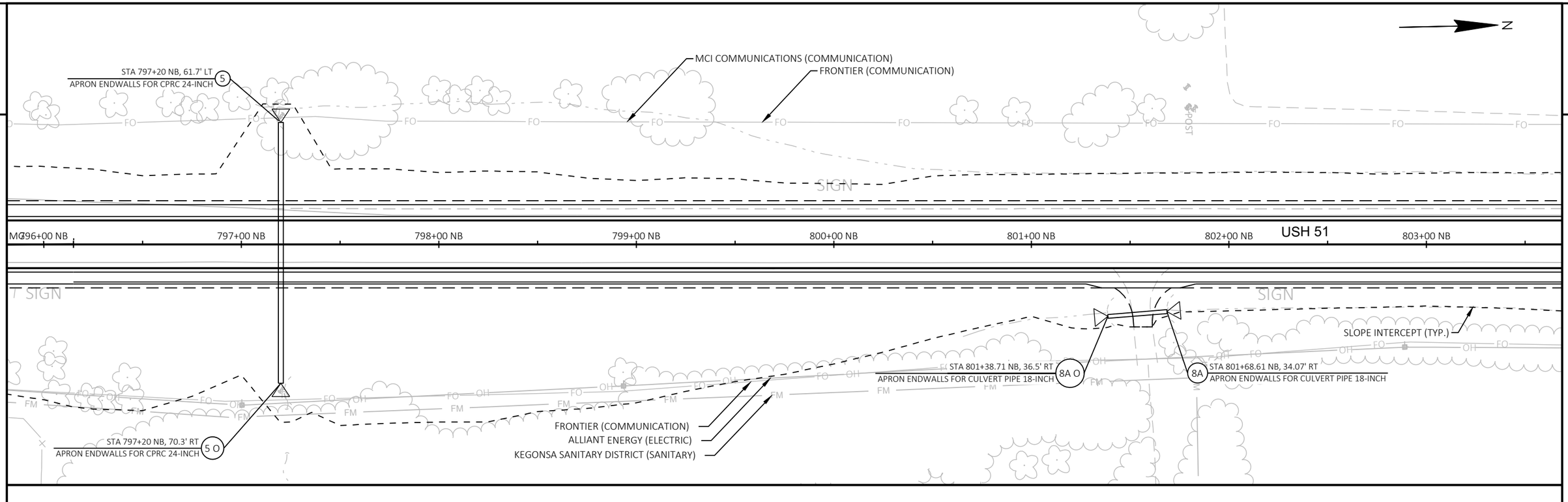
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	STORM SEWER PLAN	SHEET 100	E

STRUCTURE NO.	STATION		OFFSET	C-C (ft)	DOWNSTREAM STRUCTURE	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEVATION	T.O.S. ELEVATION	DEPTH (FT)	DISCHARGE PIPE					REMARKS
													SIZE (IN)	INVERT ELEVATIONS	DISCHARGE ELEVATION	LENGTH (FT)	SLOPE (%)	
739	11+09.6	ME	27.7 ' LT	-	-	-	-	-	-	-	-	-	-	865.50	-	-	-	APRON ENDWALLS FOR CPRC 12-INCH
740	11+54.0	ME	1.5 ' RT	52.5	739	4-FT	HM	-	-	869.05	868.22	2.55	12	865.67	865.50	53	0.32%	
741	14+20.0	MH	3.0 ' LT	9.3	740	2X3-FT	HM	-	-	868.90	868.07	2.37	12	865.70	865.67	9	0.32%	
784	13+07.4	MH	48.9 ' LT	76.0	786	-	-	-	-	-	-	-	14X23	863.50	863.00	76	0.66%	APRON ENDWALLS FOR CPRCHE 14x23-INCH
786	12+33.2	MH	41.4 ' LT	-	-	-	-	-	-	-	-	-	-	863.00	-	-	-	APRON ENDWALLS FOR CPRCHE 14x23-INCH
788	13+23.1	BK	32.6 ' RT	34.0	790	-	-	-	-	-	-	-	12	865.50	865.10	34	1.18%	APRON ENDWALLS FOR CULVERT PIPE 12-INCH
790	12+89.1	BK	32.3 ' RT	-	-	-	-	-	-	-	-	-	-	865.10	-	-	-	APRON ENDWALLS FOR CULVERT PIPE 12-INCH
792	13+80.3	BK	30.1 ' RT	44.0	794	-	-	-	-	-	-	-	12	866.35	865.70	44	1.48%	APRON ENDWALLS FOR CULVERT PIPE 12-INCH
794	13+42.1	BK	31.3 ' RT	-	-	-	-	-	-	-	-	-	-	865.70	-	-	-	APRON ENDWALLS FOR CULVERT PIPE 12-INCH
796	16+20.1	BK	66.3 ' RT	48.0	798	-	-	-	-	-	-	-	12	865.87	865.50	48	0.77%	APRON ENDWALLS FOR CULVERT PIPE 12-INCH
798	16+61.4	BK	83.7 ' RT	-	-	-	-	-	-	-	-	-	-	865.50	-	-	-	APRON ENDWALLS FOR CULVERT PIPE 12-INCH

2



2

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	STORM SEWER PLAN	SHEET 102	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022512-ss
PLOT DATE : 4/9/2026 3:39 PM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

STRUCTURE NO.	STATION		OFFSET	C-C (ft)	DOWNSTREAM STRUCTURE	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEVATION	T.O.S. ELEVATION	DEPTH (FT)	DISCHARGE PIPE					REMARKS
													SIZE (IN)	INVERT ELEVATIONS	DISCHARGE ELEVATION	LENGTH (FT)	SLOPE (%)	
5	797+20.0	NB	61.7 ' LT	132.0	5 O	-	-	-	-	-	-	-	24	858.50	854.00	132	3.41%	APRON ENDWALLS FOR CPRC 24-INCH
5 O	797+20.0	NB	70.3 ' RT	-	-	-	-	-	-	-	-	-	-	854.00	-	-	-	APRON ENDWALLS FOR CPRC 24-INCH
8A	801+68.6	NB	34.1 ' RT	30.0	8A O	-	-	-	-	-	-	-	18	870.32	869.94	30	1.27%	APRON ENDWALLS FOR CULVERT PIPE 18-INCH; CLASS III-A NON-METAL CULVERT PIPE
8A O	801+38.7	NB	36.5 ' RT	-	-	-	-	-	-	-	-	-	-	869.94	-	-	-	APRON ENDWALLS FOR CULVERT PIPE 18-INCH

2

2

N

2

SLOPE INTERCEPT (PROJECT ID 5845-16-74) (TYP.)

SCHNEIDER DRIVE

USH 51 SB

660NB

655NB

650NB

USH 51 NB

+24

+46

+74

+28

+94

+11

TREE PLANTING AREA (TYP.)*

BARBER DRIVE

FLAG

LEGEND

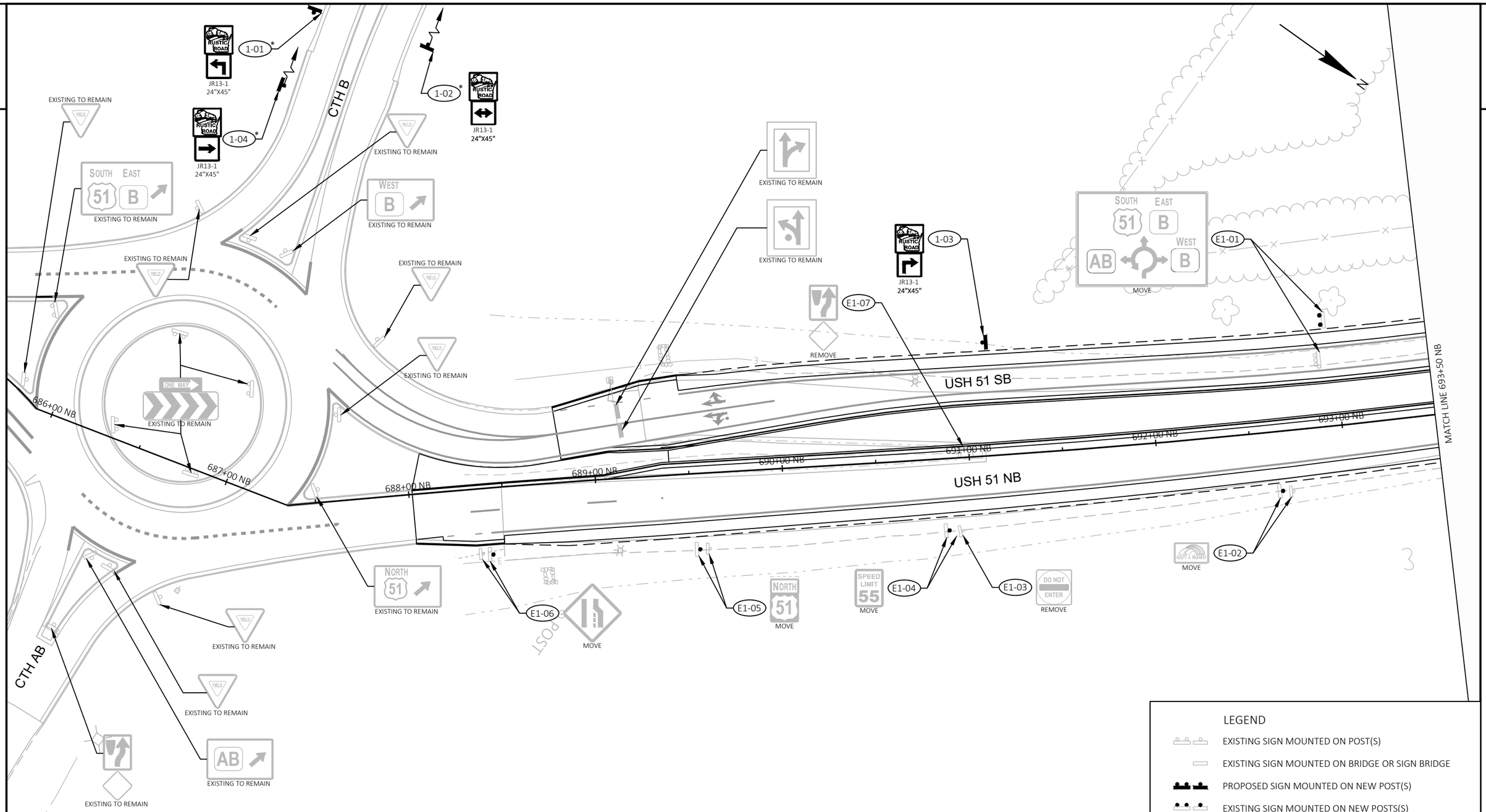
TANNENBAUM MUGO PINE

SEEDING MIXTURE NO. 75

* NOTE: PLACE TREES IN AREA BETWEEN THE BOTTOM OF USH 51 SLOPES WHEN BEHIND GUARDRAIL AND 15' FROM BARBER DRIVE (DEPICTED AS TREE PLANTING AREA).

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLANTING	SHEET 104	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 023102-pl
PLOT DATE : 5/1/2026 8:42 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42



* PLACE SIGN 1-01 APPROXIMATELY 450' FROM DYRESON ROAD/CTH B INTERSECTION SOUTHEAST QUADRANT.
PLACE SIGN 1-02 APPROXIMATELY 400' FROM DYRESON ROAD/CTH B INTERSECTION NORTHEAST QUADRANT.
PLACE SIGN 1-04 NEXT TO STOP SIGN AT DYRESON ROAD/CTH B INTERSECTION SOUTHEAST QUADRANT.

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WMUTCD. NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON NEW POST(S)
- EXISTING SIGN MOUNTED ON NEW POSTS(S)
- X-XX — DENOTES SIGN NUMBER
- EX-XX — DENOTES EXISTING SIGN NUMBER
- (X) — INDICATES SIGN SIZE

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 105	E

2

2

MATCH LINE 693+50 NB

MATCH LINE 701+00 NB

USH 51 SB

USH 51 NB

694+00 NB

695+00 NB

696+00 NB

697+00 NB

698+00 NB

699+00 NB

700+00 NB

701+

E2-01

20 MPH

MOVE

E2-02

JCT JCT

COUNTY AB COUNTY B

MOVE

E2-03

REMOVE

E2-05

REMOVE

2-01

JR13-1

24"X45"

E2-04

RUSTIC ROAD

REMOVE

POST

A/C

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WMUTCD. NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON NEW POST(S)
- EXISTING SIGN MOUNTED ON NEW POSTS(S)
- X-XX DENOTES SIGN NUMBER
- EX-XX DENOTES EXISTING SIGN NUMBER
- (X) INDICATES SIGN SIZE

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 106	E

2

2

* PLACE SIGN 3-01 IN NORTHEAST QUADRANT OF CTH B/DYRESON ROAD INTERSECTION.

N

REMOVE
E3-01
DEAD END
W14-1
30"X30"
3-01 *
DYRESON ROAD
6+00 CDS
7+00 CDS
8+00 CDS
SIGN
POST
E3-02
ADOPT A HIGHWAY
KEGONSA RESEARCH CAMPUS STAFF
MOVE
E3-03
SPEED LIMIT 45
REMOVE
E3-04
STOP
REMOVE
3-02
3-03
3-04
W5-56
18"X18"
DO NOT ENTER
R5-1
30"X30"
3-05
3-06
R4-7
24"X30"
ONE WAY
R6-2L
24"X30"
3-07
USH 51 SB
USH 51 NB
MATCH LINE 701+00 NB
MATCH LINE 708+50 NB
700+00 NB
702+00 NB
703+00 NB
704+00 NB
705+00 NB
706+00 NB
707+00 NB
708+00 NB
WRONG WAY
R5-1A
36"X24"
3-10
E3-05
Dyreson Rd
US HWY 51
REMOVE
E3-08
STOP
REMOVE
R6-1R
36"X12"
ONE WAY
3-11
R1-1
36"X36"
STOP
3-12
DIVIDED HIGHWAY
3-13
R6-3A
30"X24"
3-16
11+00 DY
DYRESON ROAD
12+00 DY
MATCH LINE A
JR13-1
24"X45"
3-09
R4-7
24"X30"
MATCH LINE A
13+00 DY
DYRESON ROAD
14+00 DY
10 TON BRIDGE 1.5 MILES AHEAD
R12-55
48"X18"
3-08
WEIGHT LIMIT CLASS B
REMOVE
E3-06
R2-1
24"X30"
SPEED LIMIT 45
3-14
R12-53
24"X30"
WEIGHT LIMIT CLASS B
3-15
10 TON BRIDGE 1.5 MILES AHEAD
REMOVE
E3-07
SPEED LIMIT 45
REMOVE
E3-09

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON NEW POST(S)
- EXISTING SIGN MOUNTED ON NEW POSTS(S)
- X-XX DENOTES SIGN NUMBER
- EX-XX DENOTES EXISTING SIGN NUMBER
- (X) INDICATES SIGN SIZE

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WMUTCD. NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 107	E

2

2

N

MATCH LINE 708+50 NB

MATCH LINE 716+00 NB

E4-01

REMOVE

4-01

JR13-1
24"X45"

4-02

R4-7
24"X30"

4-03 *

W5-54
18"X18"

USH 51 SB

709+00 NB

710+00 NB

711+00 NB

712+00 NB

713+00 NB

714+00 NB

715+00 NB

USH 51 NB

4-06

SPEED LIMIT 55

R2-1
24"X30"

WRONG WAY

4-04

R5-1A
36"X24"

DO NOT ENTER

4-05

R5-1
30"X30"

* MOUNTING HEIGHT SHALL BE 4' TO THE BOTTOM OF W5-54.

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WMUTCD. NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON NEW POST(S)
- EXISTING SIGN MOUNTED ON NEW POSTS(S)
- (X-XX) DENOTES SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER
- (X) INDICATES SIGN SIZE

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 108	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023204-ps

PLOT DATE : 4/24/2026 8:33 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

N

USH 51 SB

USH 51

USH 51 NB

MATCH LINE 716+00 NB

00 NB

717+00 NB

718+00 NB

719+00 NB

720+00 NB

721+00 NB

722+00 NB

723+00 NB

MATCH LINE 723+50 NB

5-01

W6-3
36"X36"

SIGN

SIGN

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON NEW POST(S)

EXISTING SIGN MOUNTED ON NEW POSTS(S)

X-XX DENOTES SIGN NUMBER

EX-XX DENOTES EXISTING SIGN NUMBER

(X) INDICATES SIGN SIZE

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WMUTCD. NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 109	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023205-ps

PLOT DATE : 4/24/2026 8:33 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE 723+50 NB

MATCH LINE 731+00 NB

USH 51

724+00 NB

725+00 NB

726+00 NB

727+00 NB

728+00 NB

729+00 NB

730+00 NB

731+

N

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON NEW POST(S)

EXISTING SIGN MOUNTED ON NEW POSTS(S)

X-XX DENOTES SIGN NUMBER

EX-XX DENOTES EXISTING SIGN NUMBER

(X) INDICATES SIGN SIZE

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WMUTCD. NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 110	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023206-ps

PLOT DATE : 4/24/2026 8:33 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 731+00 NB

00 NB

732+00 NB

733+00 NB

734+00 NB

735+00 NB

USH 51

736+00 NB

737+00 NB

738+00 NB

MATCH LINE 738+50 NB

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LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON NEW POST(S)
- EXISTING SIGN MOUNTED ON NEW POSTS(S)
- X-XX — DENOTES SIGN NUMBER
- EX-XX — DENOTES EXISTING SIGN NUMBER
- (X) — INDICATES SIGN SIZE

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 111	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023207-ps

PLOT DATE : 4/24/2026 8:33 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE 738+50 NB

MATCH LINE 746+00 NB

739+00 NB | 740+00 NB | 741+00 NB | 742+00 NB | USH 51 | 743+00 NB | 744+00 NB | 745+00 NB | 746+

E8-01 NO PASSING ZONE REMOVE

8-02 NO PASSING ZONE W14-3 48"X36"

SIGN

SIGN

SIGN

E8-02 NO PASSING ZONE REMOVE

8-01 NO PASSING ZONE W14-3 48"X36"

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON NEW POST(S)
- EXISTING SIGN MOUNTED ON NEW POSTS(S)
- X-XX DENOTES SIGN NUMBER
- EX-XX DENOTES EXISTING SIGN NUMBER
- (X) INDICATES SIGN SIZE

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WMUTCD. NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 112	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023208-ps

PLOT DATE : 4/24/2026 8:33 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

GREENHOUSE

WELL

SEPC

SIGN

MATCH LINE 746+00 NB

00 NB

747+00 NB

748+00 NB

749+00 NB

750+00 NB

751+00 NB

USH 51

752+00 NB

753+00 NB

MATCH LINE 753+50 NB

SIGN

SIGN

POST

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON NEW POST(S)

EXISTING SIGN MOUNTED ON NEW POSTS(S)

X-XX DENOTES SIGN NUMBER

EX-XX DENOTES EXISTING SIGN NUMBER

(X) INDICATES SIGN SIZE

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WMUTCD. NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

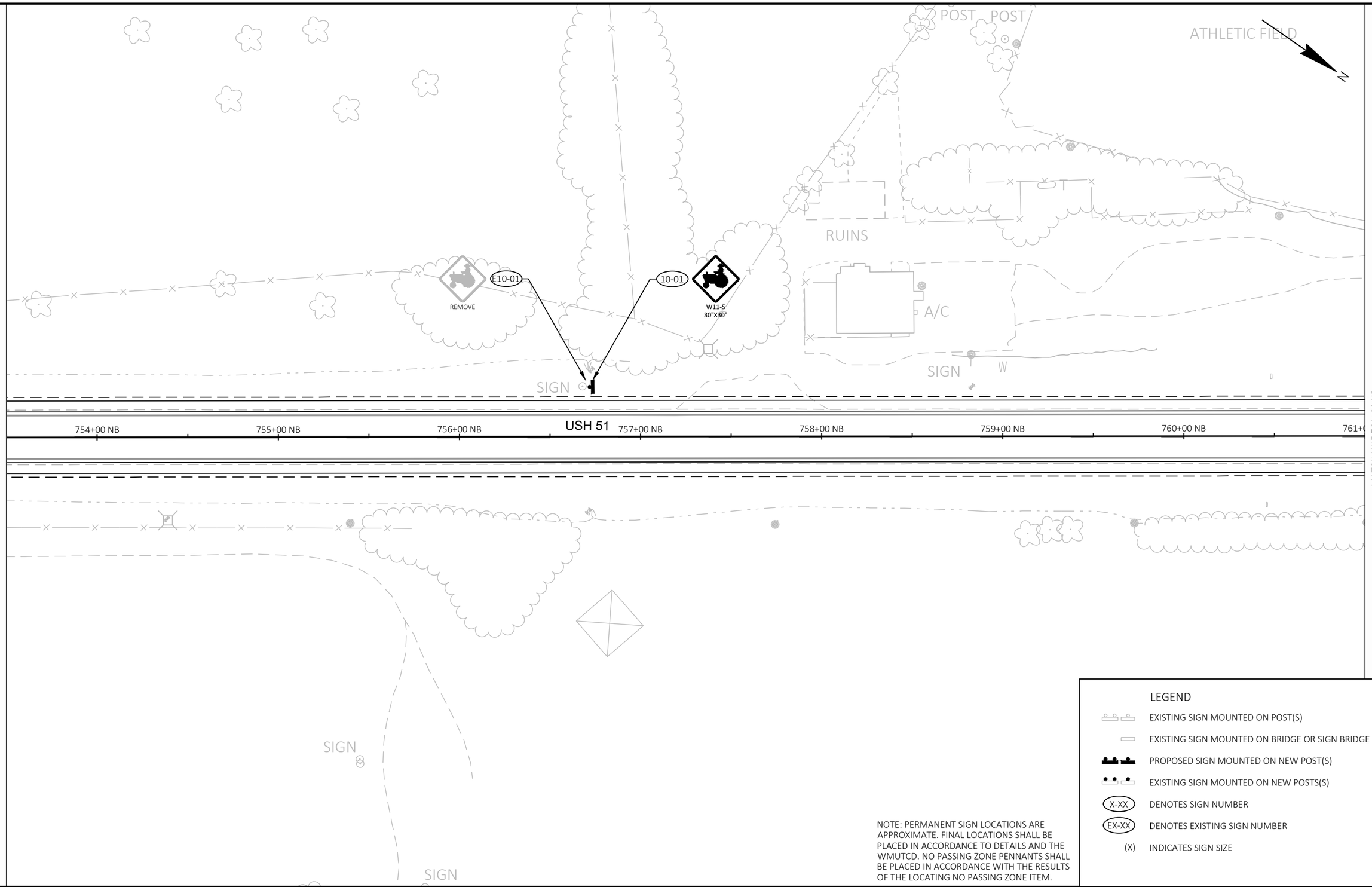
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 113	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023209-ps

PLOT DATE : 4/24/2026 8:33 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON NEW POST(S)
- EXISTING SIGN MOUNTED ON NEW POSTS(S)
- X-XX — DENOTES SIGN NUMBER
- EX-XX — DENOTES EXISTING SIGN NUMBER
- (X) — INDICATES SIGN SIZE

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WMUTCD. NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 114	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023210-ps

PLOT DATE : 4/24/2026 8:33 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE 761+00 NB

762+00 NB

763+00 NB

764+00 NB

765+00 NB

766+00 NB

USH 51

767+00 NB

768+00 NB

MATCH LINE 768+50 NB

SIGN

E11-01

NO PASSING ZONE

REMOVE

POST

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WMUTCD. NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON NEW POST(S)
- EXISTING SIGN MOUNTED ON NEW POSTS(S)
- X-XX — DENOTES SIGN NUMBER
- EX-XX — DENOTES EXISTING SIGN NUMBER
- (X) — INDICATES SIGN SIZE

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 115	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023211-ps

PLOT DATE : 4/24/2026 8:33 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE 768+50 NB

MATCH LINE 776+00 NB

769+00 NB

770+00 NB

771+00 NB

772+00 NB

USH 51

773+00 NB

774+00 NB

775+00 NB

776+

NO PASSING ZONE

E12-01

REMOVE

SIGN

SIGN

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WMUTCD. NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON NEW POST(S)
- EXISTING SIGN MOUNTED ON NEW POSTS(S)
- X-XX DENOTES SIGN NUMBER
- EX-XX DENOTES EXISTING SIGN NUMBER
- (X) INDICATES SIGN SIZE

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 116	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023212-ps

PLOT DATE : 4/24/2026 8:33 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE 776+00 NB

MATCH LINE 783+50 NB

N

13-01

NO PASSING ZONE

W14-3
48"X36"

13-02

W6-3
36"X36"

E13-01

ADOPT A HIGHWAY
HARVEY'S HELPING HANDS LLC

MOVE FROM STA. 784+31

SIGN

00 NB

777+00 NB

778+00 NB

779+00 NB

780+00 NB

781+00 NB

USH 51

782+00 NB

783+00 NB

SIGN

E13-03

REMOVE

W2-6
30"X30"

13-03

W13-1
18"X18"

20 MPH

13-04

E13-02

ADOPT A HIGHWAY
PAGE ANALYTICAL SERVICES LLC

MOVE FROM STA. 784+35

NORTH
51

MAHONEY ROAD

13-05

D1-62
102"X66"

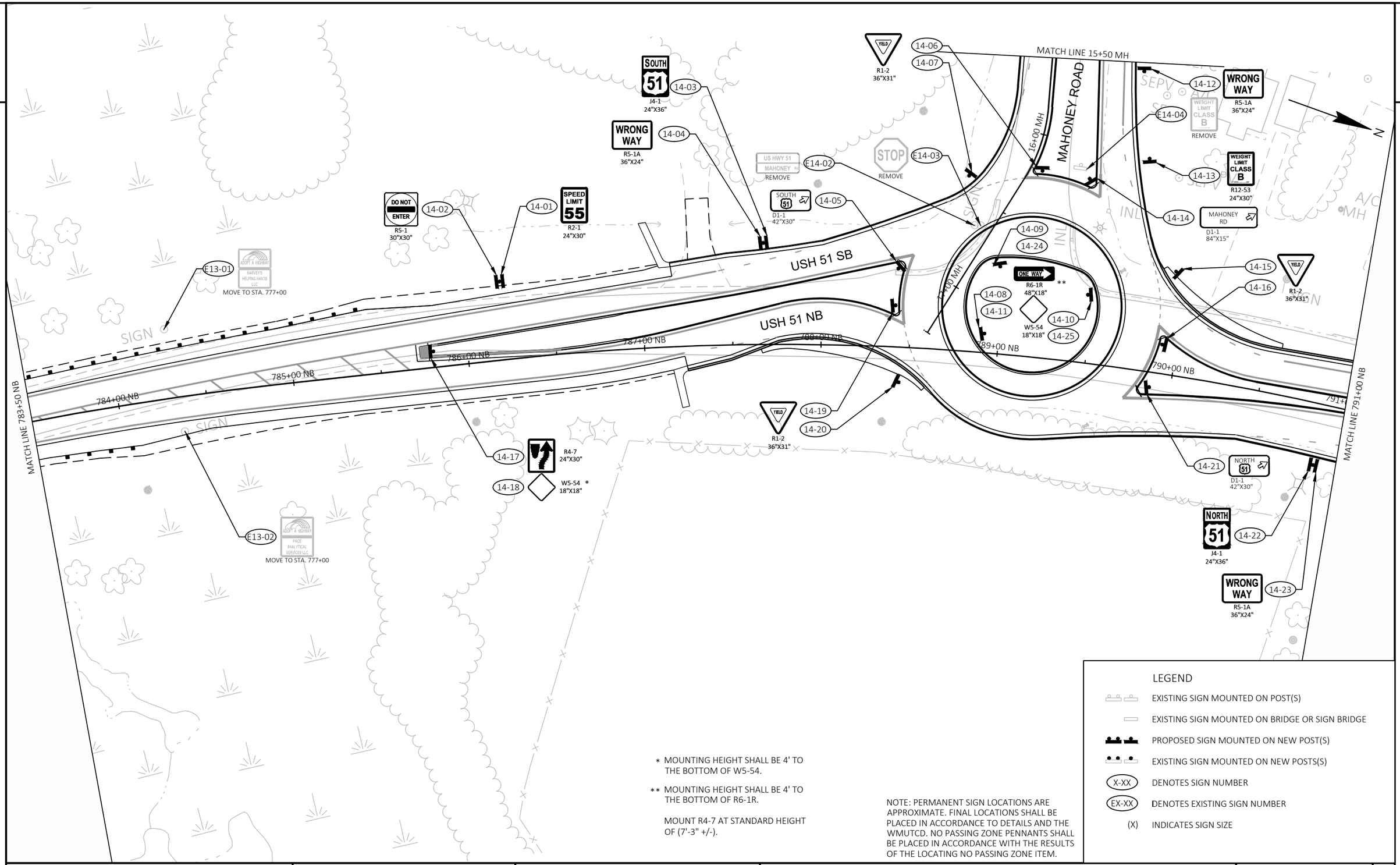
LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON NEW POST(S)
- EXISTING SIGN MOUNTED ON NEW POSTS(S)
- X-XX DENOTES SIGN NUMBER
- EX-XX DENOTES EXISTING SIGN NUMBER
- (X) INDICATES SIGN SIZE

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WMUTCD. NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 117	E

2



* MOUNTING HEIGHT SHALL BE 4' TO THE BOTTOM OF W5-54.

** MOUNTING HEIGHT SHALL BE 4' TO THE BOTTOM OF R6-1R.

MOUNT R4-7 AT STANDARD HEIGHT OF (7'-3" +/-).

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WMUTCD. NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON NEW POST(S)
- EXISTING SIGN MOUNTED ON NEW POSTS(S)
- X-XX DENOTES SIGN NUMBER
- EX-XX DENOTES EXISTING SIGN NUMBER
- (X) INDICATES SIGN SIZE

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 118	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023214-ps
PLOT DATE : 4/24/2026 8:33 AM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

N

SEPC

A/C

T

W

SIGN

USH 51 SB

USH 51 NB

USH 51

792+00 NB

793+00 NB

794+00 NB

795+00 NB

796+00 NB

797+00 NB

798+00 NB

MATCH LINE 791+00 NB

MATCH LINE 798+50 NB

15-01

R4-7
24"X30"

15-02

W5-54 *
18"X18"

SOUTH
51
MAHONEY
ROAD

15-03

D1-62
102"X66"

W2-6
30"X30"

15-04

W13-1
18"X18"

20
MPH

15-05

15-06

DO NOT
ENTER

R5-1
30"X30"

15-07

SPEED
LIMIT
55

R2-1
24"X30"

15-08

W6-3
36"X36"

E15-01

Babcock
County Park
1 MILE

REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON NEW POST(S)
- EXISTING SIGN MOUNTED ON NEW POSTS(S)
- X-XX DENOTES SIGN NUMBER
- EX-XX DENOTES EXISTING SIGN NUMBER
- (X) INDICATES SIGN SIZE

* MOUNTING HEIGHT SHALL BE 4' TO THE BOTTOM OF W5-54.

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WMUTCD. NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 119	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023215-ps

PLOT DATE : 8/14/2026 7:52 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

N

NURSERY

E16-01

REMOVE

SIGN

MATCH LINE 798+50 NB

799+00 NB

800+00 NB

801+00 NB

802+00 NB

USH 51

803+00 NB

804+00 NB

805+00 NB

806+

MATCH LINE 806+00 NB

SIGN

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WMUTCD. NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON NEW POST(S)
- EXISTING SIGN MOUNTED ON NEW POSTS(S)
- X-XX DENOTES SIGN NUMBER
- EX-XX DENOTES EXISTING SIGN NUMBER
- (X) INDICATES SIGN SIZE

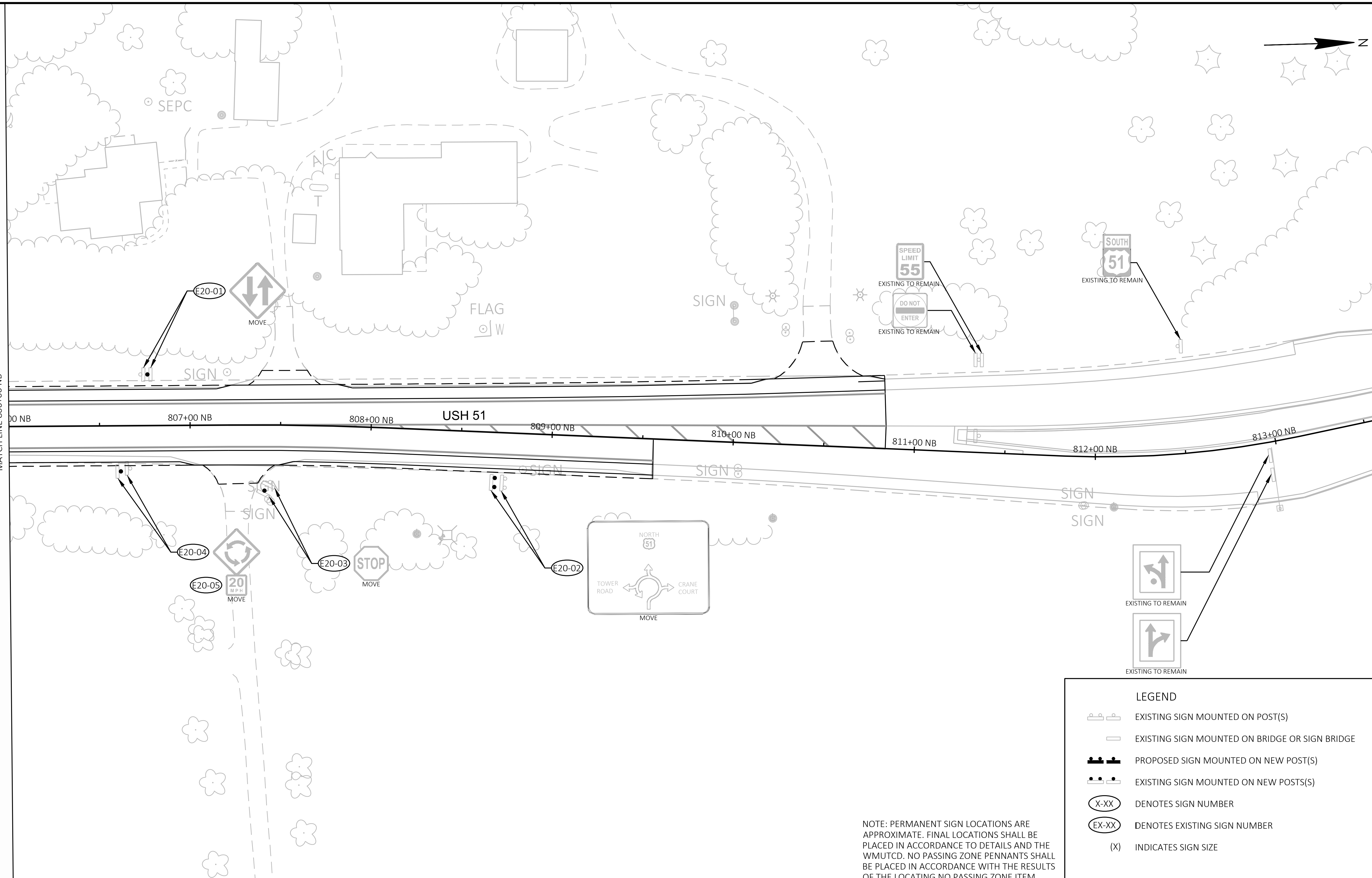
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 120	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023216-ps

PLOT DATE : 8/14/2026 7:52 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2



2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON NEW POST(S)

EXISTING SIGN MOUNTED ON NEW POSTS(S)

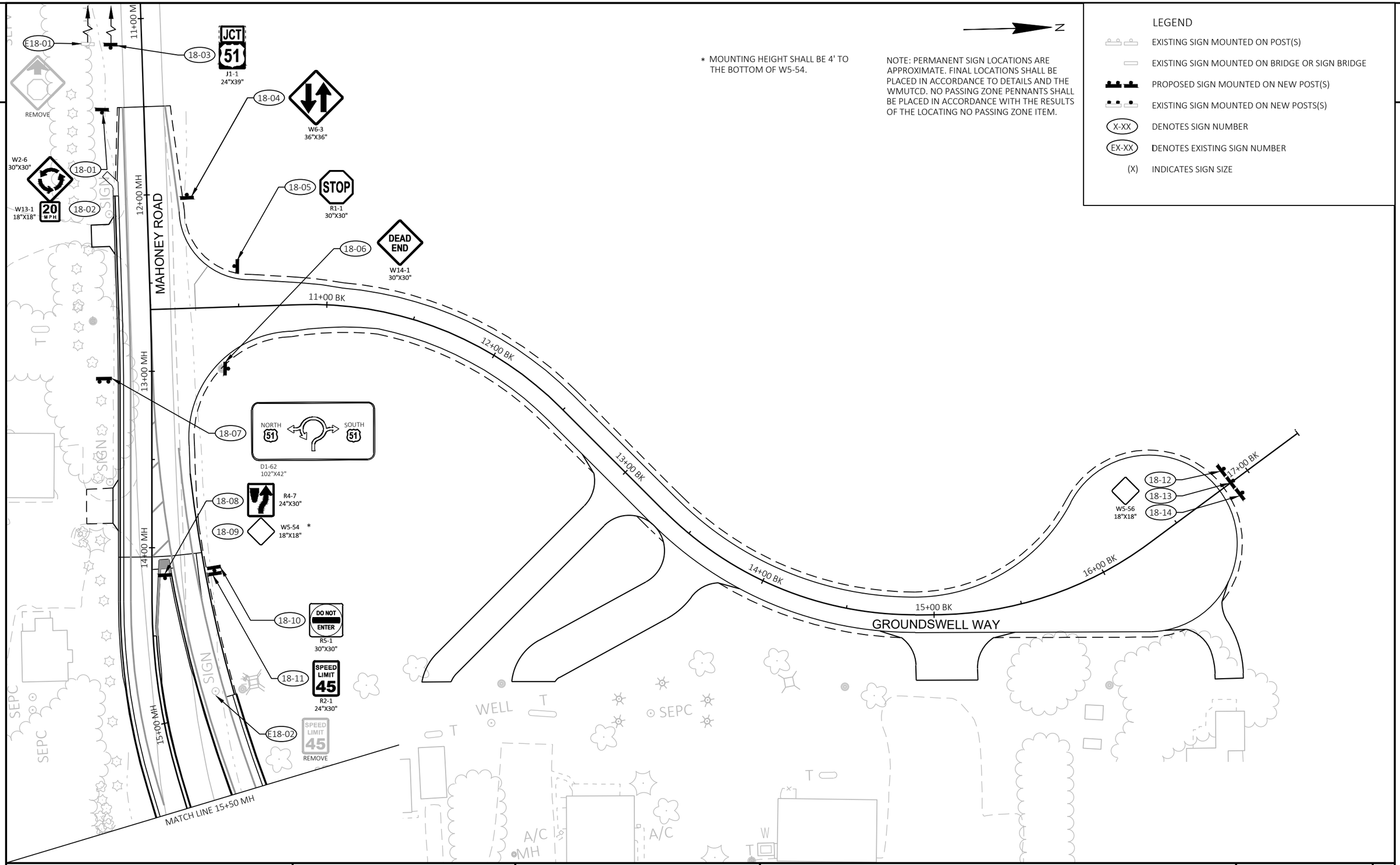
X-XX DENOTES SIGN NUMBER

EX-XX DENOTES EXISTING SIGN NUMBER

(X) INDICATES SIGN SIZE

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WMUTCD. NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 121	E



* MOUNTING HEIGHT SHALL BE 4' TO THE BOTTOM OF W5-54.

NOTE: PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WMUTCD. NO PASSING ZONE PENNANTS SHALL BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONE ITEM.

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON NEW POST(S)
- EXISTING SIGN MOUNTED ON NEW POSTS(S)
- (X-XX) DENOTES SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER
- (X) INDICATES SIGN SIZE

2

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET 122	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023218-ps
PLOT DATE : 4/24/2026 8:33 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
- POLE LUMINAIRE ASSEMBLY (SEE MISCELLANEOUS QUANTITIES FOR ASSOCIATED BID ITEMS)
- PULL BOXES NON-CONDUCTIVE 24x42-INCH
- EXISTING LIGHT POLE
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- LIGHTING CONTROL CABINET (CONCRETE CONTROL CABINET BASES TYPE L30)

STA. XX+XX.XX, XX.XX' LT
- STATION AND SET BACK DISTANCE FROM REFERENCE LINE

LP-XXXX LC-1
- LP-XXXX: LIGHT POLE NUMBER
- LC-1: CONTROL CABINET DESIGNATION

III-LED C-12-A-1.3.1
- III: LIGHT UNIT NUMBER IN CIRCUIT
- LED: DISTRIBUTION TYPE
- C: LUMINAIRE TYPE
- 12: ARM BRACKET LENGTH IN FEET
- A: BASE TYPE
- 1.3: CIRCUIT NUMBERS

N

2

SALVAGE AND REINSTALL LIGHT POLE
REMOVE CONCRETE BASES
CONCRETE BASES TYPE 5 REQ'D
EX-LP-1 STA. 690+74 NB, 62.5' LT

INSTALL CONDUIT INTO EXISTING ITEM
(EX-LPB-1 TO REMAIN)

FRONTIER (COMMUNICATION)

EX-LP-3 (TO REMAIN)

CTH B

USH 51 SB

USH 51 NB

685+00 NB
686+00 NB
687+00 NB
688+00 NB
689+00 NB
690+00 NB
691+00 NB
692+00 NB

AT&T WISCONSIN (COMMUNICATION)

MCI COMMUNICATIONS (COMMUNICATION)

SALVAGE AND REINSTALL LIGHT POLE
REMOVE CONCRETE BASES
CONCRETE BASES TYPE 5 REQ'D
EX-LP-2 STA. 689+11 NB, 40' LT

EX-LPB-2 (TO REMAIN)

EX-LP-4 (TO REMAIN)

CTH AB

FO FM E T G POST WV

GENERAL NOTES

1. ALL LUMINARIES SHALL BE WIRED AT 240 VOLT AND BE LED.
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE.
3. ALL LIGHTING SHALL HAVE A MINIMUM 2-FOOT SETBACK FROM THE FACE OF THE POLE TO THE FACE OF CURB IN AREAS WITH CURB & GUTTER.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	LIGHTING PLAN	PLOT SCALE : 1 IN:50 FT	SHEET 123	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023601-lp

PLOT DATE : 5/1/2026 8:38 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

2

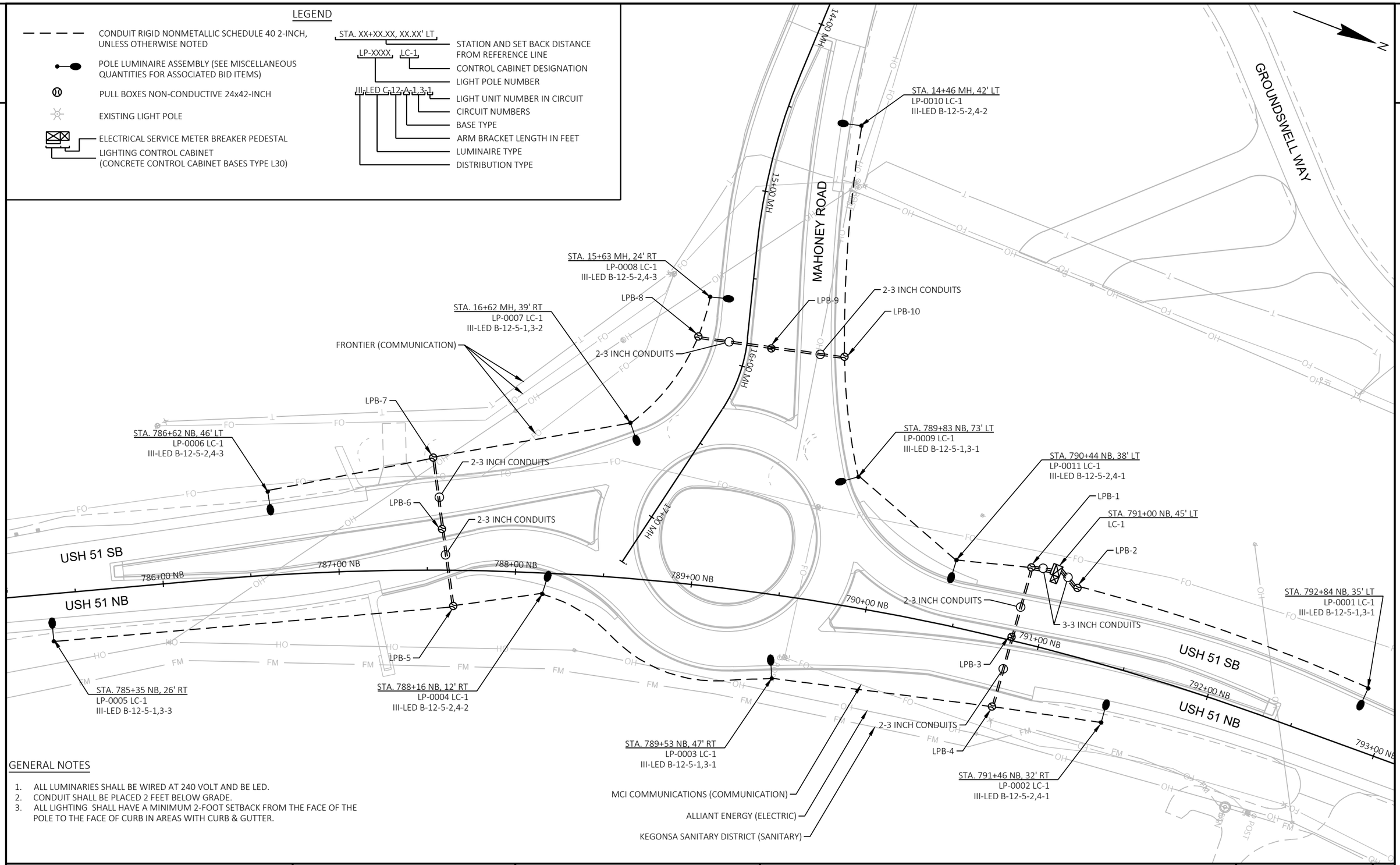
LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
- POLE LUMINAIRE ASSEMBLY (SEE MISCELLANEOUS QUANTITIES FOR ASSOCIATED BID ITEMS)
- PULL BOXES NON-CONDUCTIVE 24x42-INCH
- EXISTING LIGHT POLE
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- LIGHTING CONTROL CABINET (CONCRETE CONTROL CABINET BASES TYPE L30)

STA. XX+XX.XX, XX.XX' LT
- STATION AND SET BACK DISTANCE FROM REFERENCE LINE

LP-XXXX LC-1
- CONTROL CABINET DESIGNATION
- LIGHT POLE NUMBER

III-LED C-12-A-1,3,1
- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT NUMBERS
- BASE TYPE
- ARM BRACKET LENGTH IN FEET
- LUMINAIRE TYPE
- DISTRIBUTION TYPE



GENERAL NOTES

1. ALL LUMINARIES SHALL BE WIRED AT 240 VOLT AND BE LED.
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE.
3. ALL LIGHTING SHALL HAVE A MINIMUM 2-FOOT SETBACK FROM THE FACE OF THE POLE TO THE FACE OF CURB IN AREAS WITH CURB & GUTTER.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	LIGHTING PLAN	SHEET 124	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023601-lp
PLOT DATE : 1/21/2026 4:07 PM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
- POLE LUMINAIRE ASSEMBLY (SEE MISCELLANEOUS QUANTITIES FOR ASSOCIATED BID ITEMS)
- PULL BOXES NON-CONDUCTIVE 24x42-INCH
- EXISTING LIGHT POLE
- ELECTRICAL SERVICE METER BREAKER PEDESTAL
- LIGHTING CONTROL CABINET (CONCRETE CONTROL CABINET BASES TYPE L30)

STA. XX+XX.XX, XX.XX' LT — STATION AND SET BACK DISTANCE FROM REFERENCE LINE
LP-XXXX — LIGHT POLE NUMBER
LC-1 — CONTROL CABINET DESIGNATION
III-LED C-12-A-1,3-1
- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT NUMBERS
- BASE TYPE
- ARM BRACKET LENGTH IN FEET
- LUMINAIRE TYPE
- DISTRIBUTION TYPE

N

14+00 MH
15+00 MH
16+00 MH
17+00 MH

MAHONEY ROAD

STA. 14+46 MH, 42' LT
LP-0010 LC-1
III-LED B-12-5-2,4-2

CIRCUITS 2,4
4~#10, 2~#10 GND

STA. 15+63 MH, 24' RT
LP-0008 LC-1
III-LED B-12-5-2,4-3

CIRCUITS 2,4
2~#10, 2~#10 GND

STA. 15+87 MH, 27' RT
LPB-8

CIRCUITS 1,3 & 2,4
4~#10, #10 GND

CIRCUITS 1,3 & 2,4
4~#10 GND, #10 GND

STA. 15+87 MH, 56' LT
LPB-10

CIRCUITS 1,3 & 2,4
4~#10 GND, #10 GND

STA. 789+83 NB, 73' LT
LP-0009 LC-1
III-LED B-12-5-1,3-1

CIRCUITS 1,3 & 2,4
4~#10 GND, #10 GND

STA. 790+44 NB, 38' LT
LP-0011 LC-1
III-LED B-12-5-2,4-1

CIRCUITS 1,3 & 2,4
4~#10, #10 GND

STA. 790+86 NB, 43' LT
LPB-1

CIRCUITS 1,3 & 2,4
8~#10, 2~#10 GND

STA. 791+00 NB, 45' LT
LC-1

CIRCUITS 1,3
2~#10, #10 GND

STA. 791+13 NB, 38' LT
LPB-2

CIRCUITS 1,3
2~#10, #10 GND

STA. 792+84 NB, 35' LT
LP-0001 LC-1
III-LED B-12-5-1,3-1

STA. 16+62 MH, 39' RT
LP-0007 LC-1
III-LED B-12-5-1,3-2

CIRCUITS 2,4
2~#10, #10 GND

CIRCUITS 1,3 & 2,4
4~#10 GND, #10 GND

STA. 15+87 MH, 14' LT
LPB-9

STA. 787+53 NB, 64' LT
LPB-7

CIRCUITS 2,4
2~#10, #10 GND

STA. 786+62 NB, 46' LT
LP-0006 LC-1
III-LED B-12-5-2,4-3

2~#10 GND

STA. 787+58 NB, 23' LT
LPB-6

2~#10 GND

USH 51 SB
USH 51 NB

786+00 NB
787+00 NB
788+00 NB
789+00 NB
790+00 NB
791+00 NB
792+00 NB
793+00 NB

CIRCUITS 1,3
2~#10, #10 GND

STA. 785+35 NB, 26' RT
LP-0005 LC-1
III-LED B-12-5-1,3-3

STA. 787+65 NB, 20' RT
LPB-5

CIRCUITS 1,3
2~#10, #10 GND

STA. 788+16 NB, 12' RT
LP-0004 LC-1
III-LED B-12-5-2,4-2

CIRCUITS 1,3 & 2,4
4~#10, #10 GND

STA. 789+53 NB, 47' RT
LP-0003 LC-1
III-LED B-12-5-1,3-1

CIRCUITS 1,3 & 2,4
4~#10, #10 GND

CIRCUITS 1,3 & 2,4
4~#10, #10 GND

STA. 790+84 NB, 2' LT
LPB-3

CIRCUITS 1,3 & 2,4
4~#10, #10 GND

STA. 790+82 NB, 39' RT
LPB-4

CIRCUITS 2,4
4~#10, 2~#10 GND

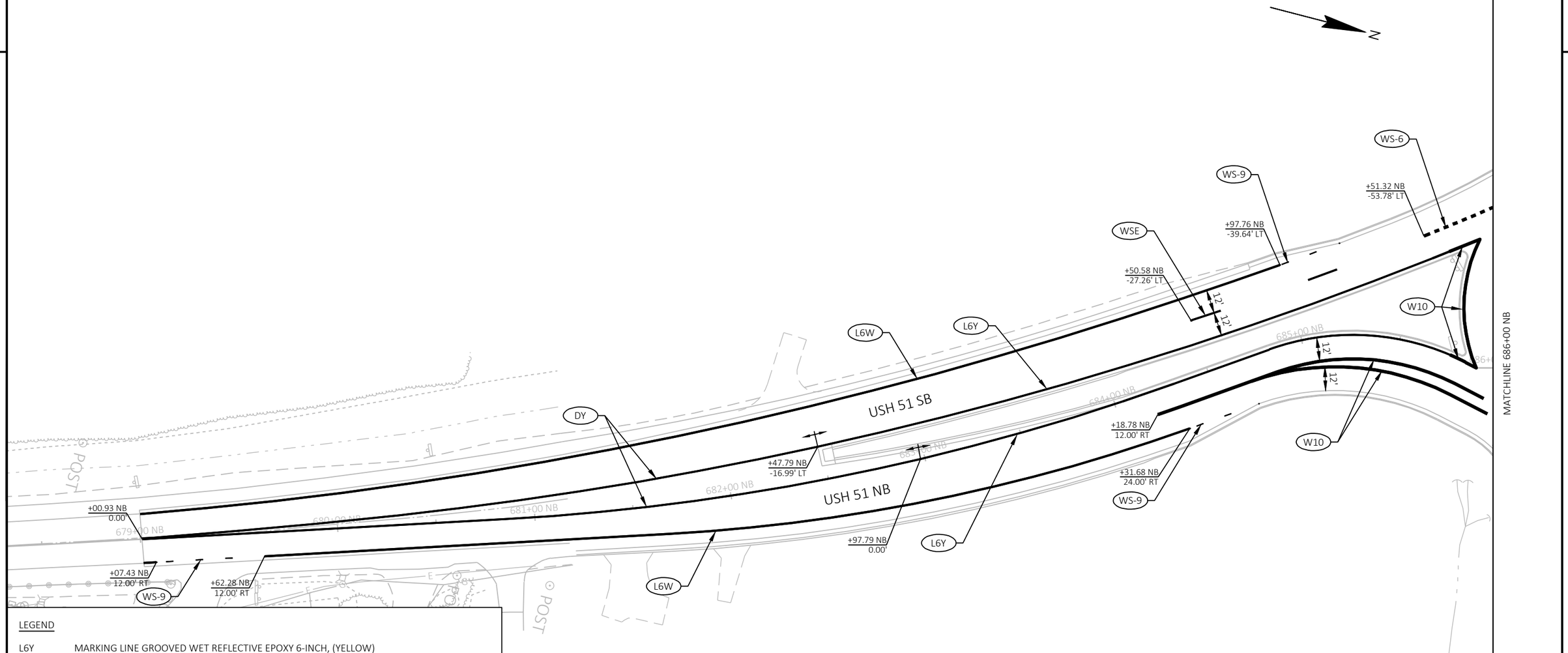
STA. 791+46 NB, 32' RT
LP-0002 LC-1
III-LED B-12-5-2,4-1

GENERAL NOTES

1. ALL LUMINARIES SHALL BE WIRED AT 240 VOLT AND BE LED.
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE.
3. ALL LIGHTING SHALL HAVE A MINIMUM 2-FOOT SETBACK FROM THE FACE OF THE POLE TO THE FACE OF CURB IN AREAS WITH CURB & GUTTER.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	LIGHTING PLAN - WIRING DIAGRAM	SHEET 125	E

2



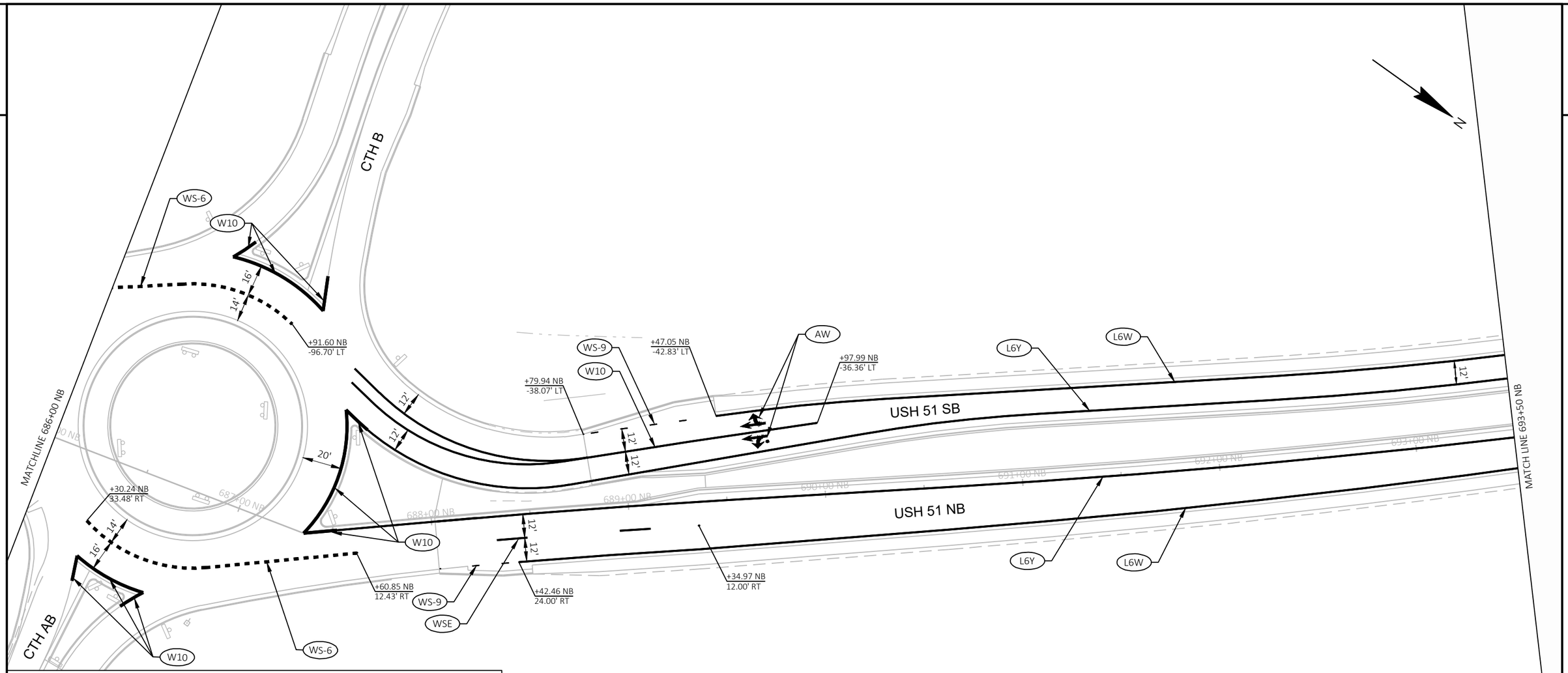
LEGEND

L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
YS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW SKIP, 12.5' SEG., 37.5' GAP)
WSE	MARKING LINE GROOVED WET REFLEXTIVE EPOXY 6-INCH, (WHITE SKIP, 12.5' SEG., 37.5' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 6' SEG., 3' GAP)
WS-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WES-9	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
WO	MARKING WORD EPOXY
AW	MARKING ARROW EPOXY
SY	MARKING SYMBOL EPOXY
CY	MARKING CURB EPOXY, (YELLOW)
S18	MARKING STOP LINE EPOXY 18-INCH

NOTE: FINAL PASSING ZONES TO BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO-PASSING ZONES ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET 126	E

2



LEGEND

L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
YS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW SKIP, 12.5' SEG., 37.5' GAP)
WSE	MARKING LINE GROOVED WET REFLEXTIVE EPOXY 6-INCH, (WHITE SKIP, 12.5' SEG., 37.5' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 6' SEG., 3' GAP)
WS-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WES-9	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
WO	MARKING WORD EPOXY
AW	MARKING ARROW EPOXY
SY	MARKING SYMBOL EPOXY
CY	MARKING CURB EPOXY, (YELLOW)
S18	MARKING STOP LINE EPOXY 18-INCH

NOTE: FINAL PASSING ZONES TO BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO-PASSING ZONES ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET 127	E

2

2

N

L6Y

L6W

12'

USH 51 SB

MATCH LINE 693+50 NB

694+00 NB

695+00 NB

696+00 NB

697+00 NB

698+00 NB

699+00 NB

700+00 NB

701+

MATCH LINE 701+00 NB

12'

USH 51 NB

+39.63 NB
12.00' RT

WS-9

+94.80 NB
17.00' RT

L6Y

L6W

LEGEND

L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
YS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW SKIP, 12.5' SEG., 37.5' GAP)
WSE	MARKING LINE GROOVED WET REFLEXTIVE EPOXY 6-INCH, (WHITE SKIP, 12.5' SEG., 37.5' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 6' SEG., 3' GAP)
WS-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WES-9	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
WO	MARKING WORD EPOXY
AW	MARKING ARROW EPOXY
SY	MARKING SYMBOL EPOXY
CY	MARKING CURB EPOXY, (YELLOW)
S18	MARKING STOP LINE EPOXY 18-INCH

NOTE: FINAL PASSING ZONES TO BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO-PASSING ZONES ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET 128	E

2

N

MATCH LINE 701+00 NB

MATCH LINE 708+50 NB

USH 51 SB

USH 51 NB

12'

12'

12'

12'

12'

12'

L6Y

L6W

INY

AW

WO

W10

L6Y

+34.12 NB
-30.00' LT

INY

+56.62 NB
-30.00' LT

+84.47 NB
-25.95' LT

+24.75 NB
-25.81' LT

CY

CY

+47.09 NB
13.54' RT

+59.42 NB
14.43' RT

+59.17 NB
21.42' RT

+86.96 NB
12.00' RT

+99.09 NB
12.00' RT

700+00 NB

702+00 NB

703+00 NB

704+00 NB

705+00 NB

706+00 NB

707+00 NB

708+00 NB

WS-9

W10-9

+27.23 NB
29.01' RT

SY

AW

L6Y

L6W

W10

L6W

WO

SY

AW

+27.13 NB
29.00' RT

+55.61 NB
12.00' RT

L6Y

L6W

S18

DYRESON ROAD

LEGEND

L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
YS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW SKIP, 12.5' SEG., 37.5' GAP)
WSE	MARKING LINE GROOVED WET REFLEXTIVE EPOXY 6-INCH, (WHITE SKIP, 12.5' SEG., 37.5' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 6' SEG., 3' GAP)
WS-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WES-9	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
WO	MARKING WORD EPOXY
AW	MARKING ARROW EPOXY
SY	MARKING SYMBOL EPOXY
CY	MARKING CURB EPOXY, (YELLOW)
S18	MARKING STOP LINE EPOXY 18-INCH

NOTE: FINAL PASSING ZONES TO BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO-PASSING ZONES ITEM.

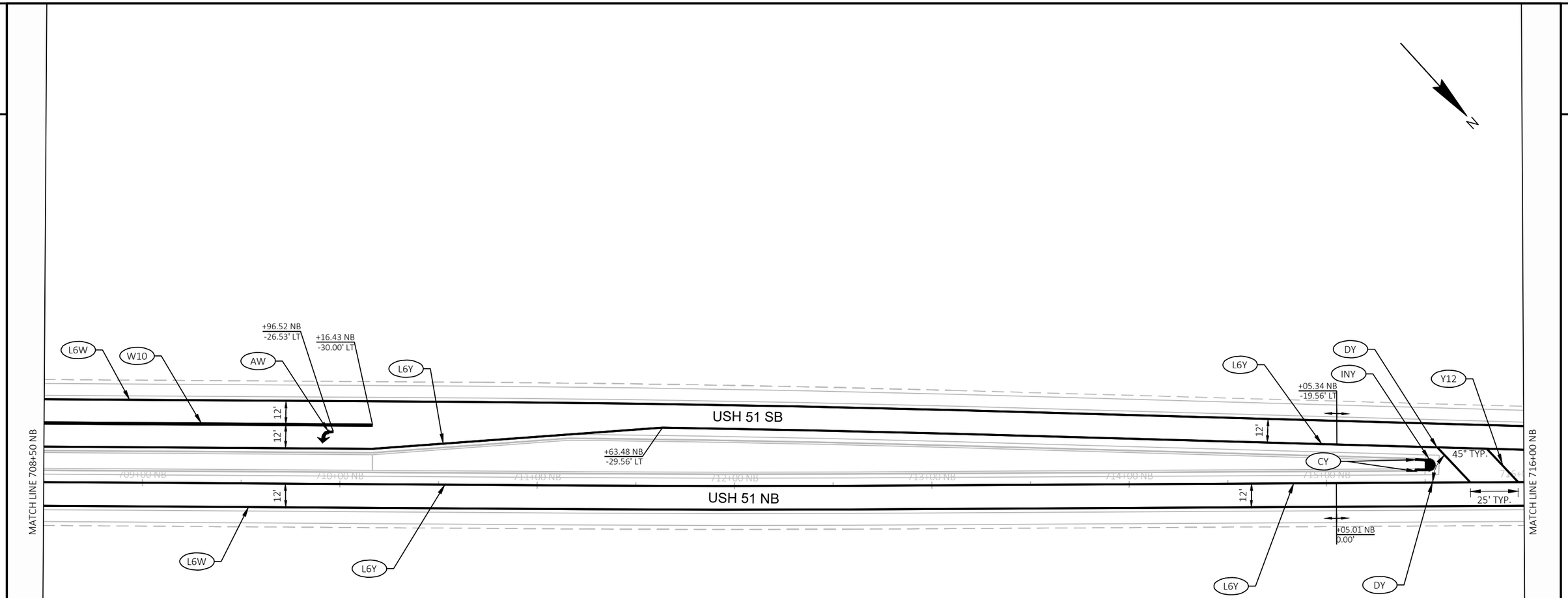
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET 129	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024503-pm

PLOT DATE : 1/21/2026 3:20 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2



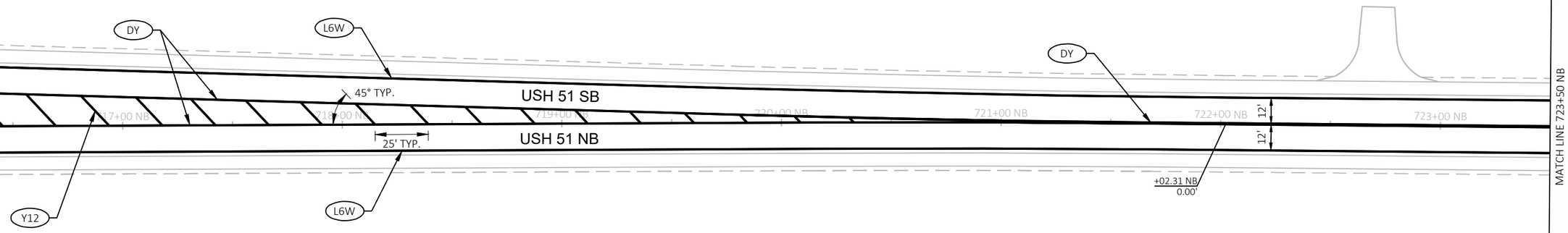
LEGEND

L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
YS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW SKIP, 12.5' SEG., 37.5' GAP)
WSE	MARKING LINE GROOVED WET REFLEXTIVE EPOXY 6-INCH, (WHITE SKIP, 12.5' SEG., 37.5' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 6' SEG., 3' GAP)
WS-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WES-9	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
WO	MARKING WORD EPOXY
AW	MARKING ARROW EPOXY
SY	MARKING SYMBOL EPOXY
CY	MARKING CURB EPOXY, (YELLOW)
S18	MARKING STOP LINE EPOXY 18-INCH

NOTE: FINAL PASSING ZONES TO BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO-PASSING ZONES ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET 130	E

2



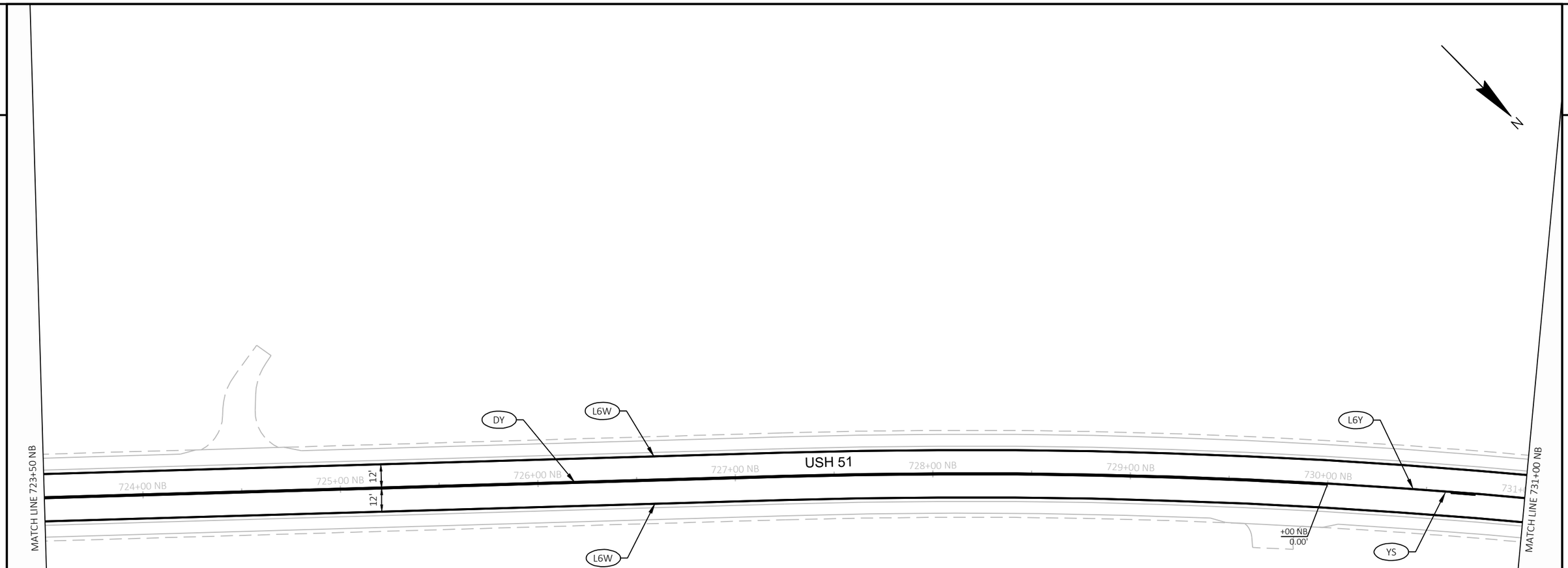
LEGEND

L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
YS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW SKIP, 12.5' SEG., 37.5' GAP)
WSE	MARKING LINE GROOVED WET REFLEXTIVE EPOXY 6-INCH, (WHITE SKIP, 12.5' SEG., 37.5' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 6' SEG., 3' GAP)
WS-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WES-9	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
WO	MARKING WORD EPOXY
AW	MARKING ARROW EPOXY
SY	MARKING SYMBOL EPOXY
CY	MARKING CURB EPOXY, (YELLOW)
S18	MARKING STOP LINE EPOXY 18-INCH

NOTE: FINAL PASSING ZONES TO BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO-PASSING ZONES ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET 131	E

2



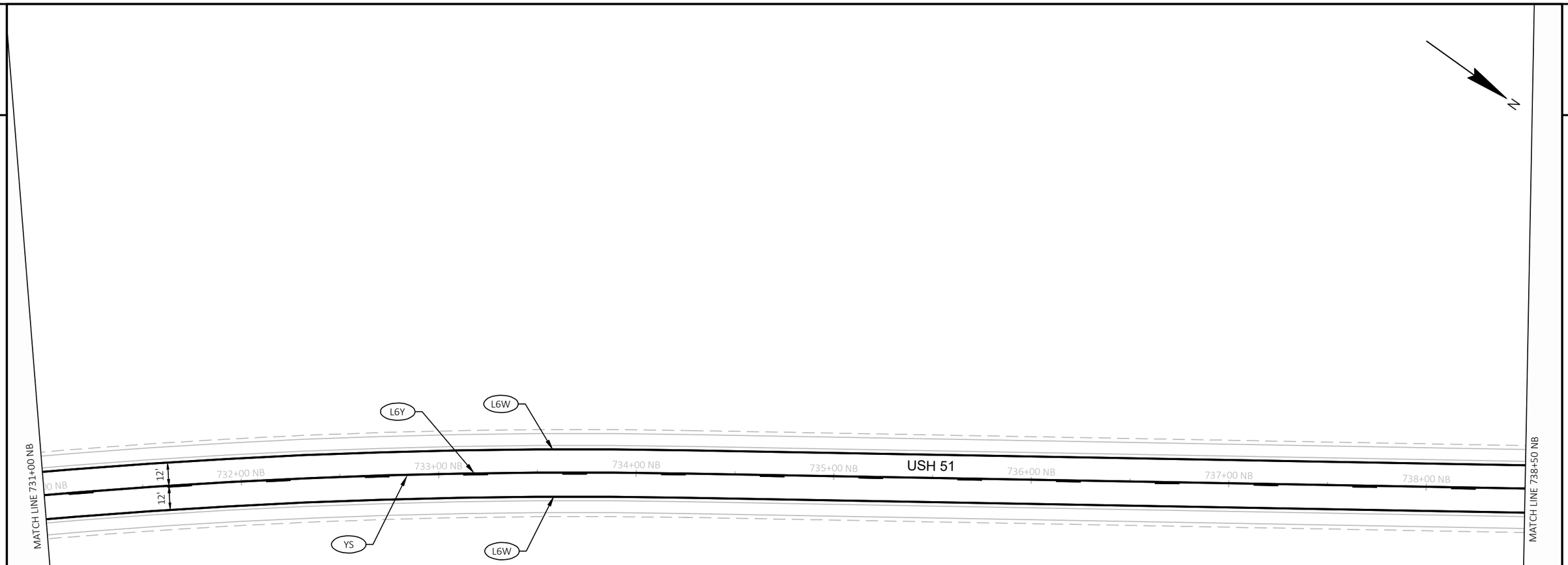
LEGEND

L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
YS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW SKIP, 12.5' SEG., 37.5' GAP)
WSE	MARKING LINE GROOVED WET REFLEXTIVE EPOXY 6-INCH, (WHITE SKIP, 12.5' SEG., 37.5' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 6' SEG., 3' GAP)
WS-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WES-9	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
WO	MARKING WORD EPOXY
AW	MARKING ARROW EPOXY
SY	MARKING SYMBOL EPOXY
CY	MARKING CURB EPOXY, (YELLOW)
S18	MARKING STOP LINE EPOXY 18-INCH

NOTE: FINAL PASSING ZONES TO BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO-PASSING ZONES ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET 132	E

2



LEGEND

L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
YS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW SKIP, 12.5' SEG., 37.5' GAP)
WSE	MARKING LINE GROOVED WET REFLEXTIVE EPOXY 6-INCH, (WHITE SKIP, 12.5' SEG., 37.5' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 6' SEG., 3' GAP)
WS-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WES-9	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
WO	MARKING WORD EPOXY
AW	MARKING ARROW EPOXY
SY	MARKING SYMBOL EPOXY
CY	MARKING CURB EPOXY, (YELLOW)
S18	MARKING STOP LINE EPOXY 18-INCH

NOTE: FINAL PASSING ZONES TO BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO-PASSING ZONES ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET 133	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024507-pm
PLOT DATE : 1/21/2026 3:20 PM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 738+50 NB

MATCH LINE 746+00 NB

YS

L6W

YS

USH 51

739+00 NB

740+00 NB

741+00 NB

742+00 NB

743+00 NB

744+00 NB

745+00 NB

746+

12'

12'

+00 NB
0.00'

+00 NB
0.00'

L6W

L6Y

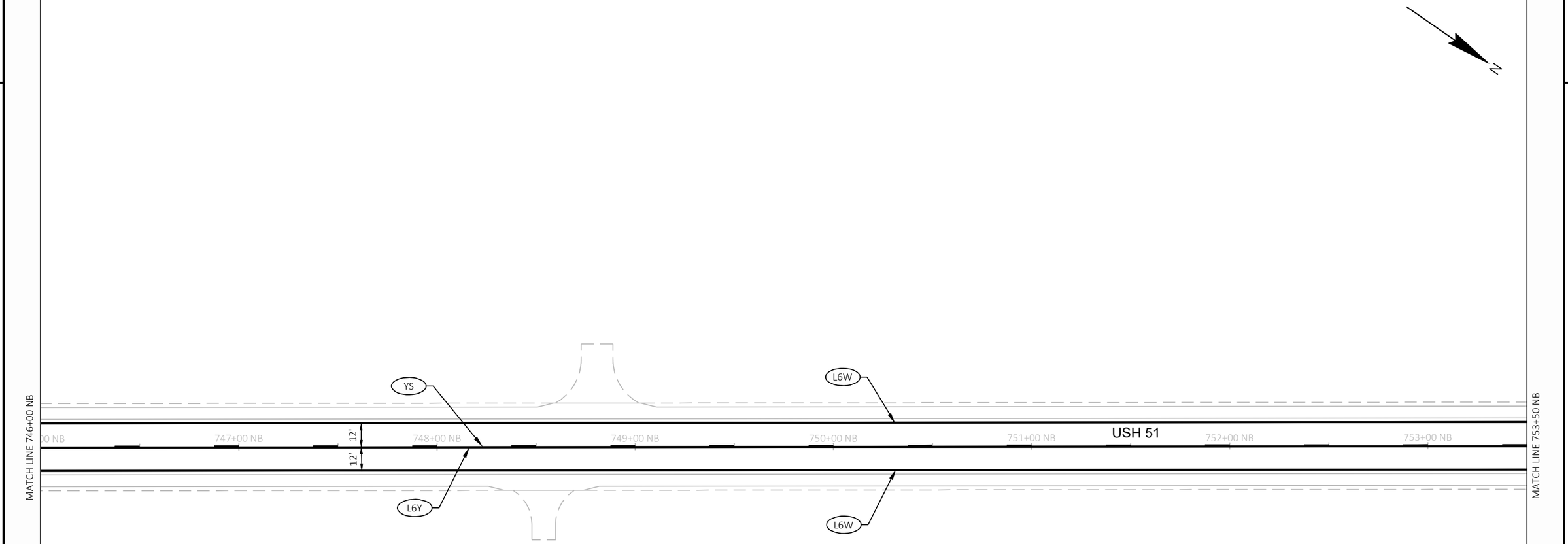
LEGEND

L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
YS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW SKIP, 12.5' SEG., 37.5' GAP)
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W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
WO	MARKING WORD EPOXY
AW	MARKING ARROW EPOXY
SY	MARKING SYMBOL EPOXY
CY	MARKING CURB EPOXY, (YELLOW)
S18	MARKING STOP LINE EPOXY 18-INCH

NOTE: FINAL PASSING ZONES TO BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO-PASSING ZONES ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET 134	E

2



LEGEND

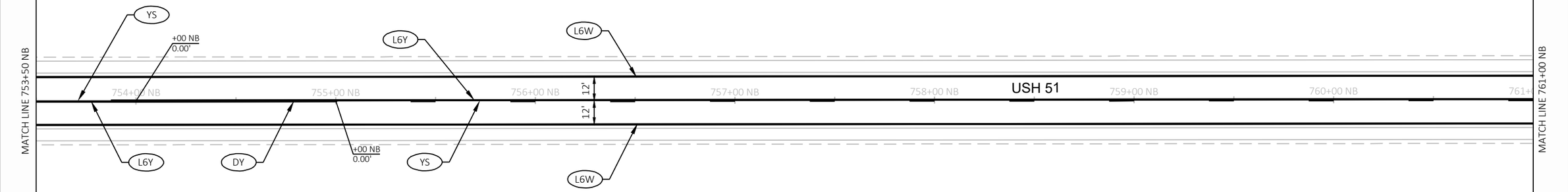
L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
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W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
WO	MARKING WORD EPOXY
AW	MARKING ARROW EPOXY
SY	MARKING SYMBOL EPOXY
CY	MARKING CURB EPOXY, (YELLOW)
S18	MARKING STOP LINE EPOXY 18-INCH

NOTE: FINAL PASSING ZONES TO BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO-PASSING ZONES ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET 135	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024509-pm
PLOT DATE : 1/21/2026 3:20 PM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2



LEGEND

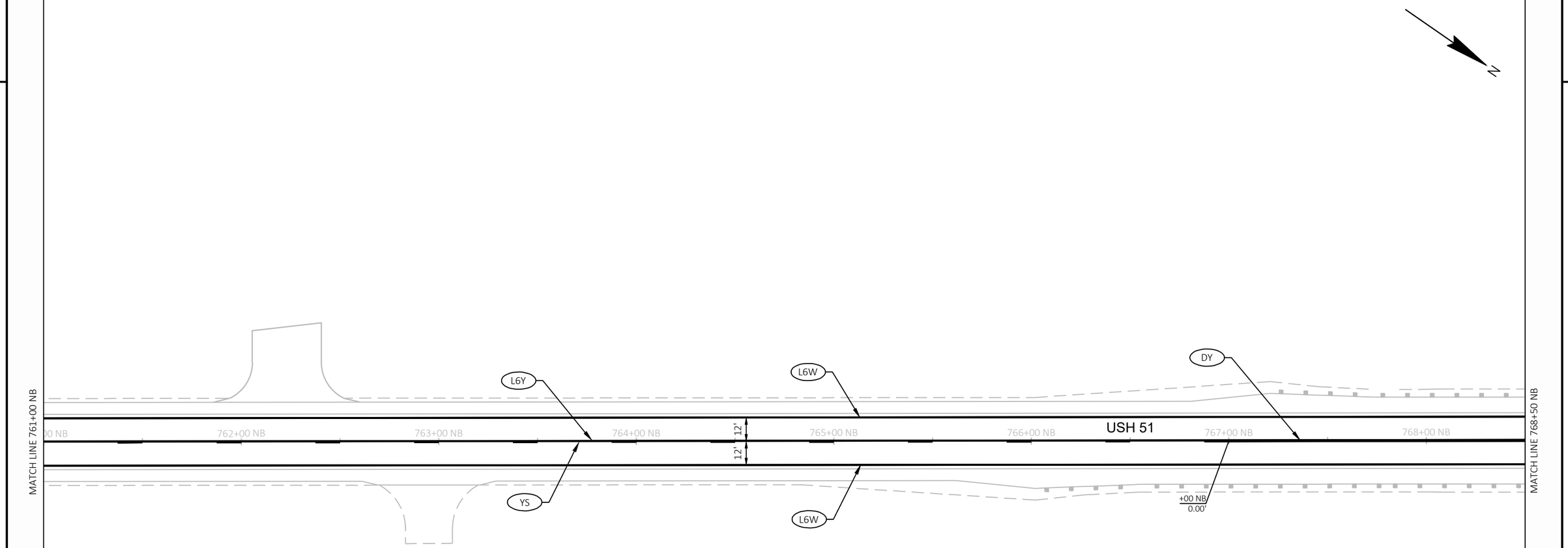
L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
YS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW SKIP, 12.5' SEG., 37.5' GAP)
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WES-9	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
WO	MARKING WORD EPOXY
AW	MARKING ARROW EPOXY
SY	MARKING SYMBOL EPOXY
CY	MARKING CURB EPOXY, (YELLOW)
S18	MARKING STOP LINE EPOXY 18-INCH

NOTE: FINAL PASSING ZONES TO BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO-PASSING ZONES ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET 136	E

2

2



LEGEND

L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
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W10-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
WO	MARKING WORD EPOXY
AW	MARKING ARROW EPOXY
SY	MARKING SYMBOL EPOXY
CY	MARKING CURB EPOXY, (YELLOW)
S18	MARKING STOP LINE EPOXY 18-INCH

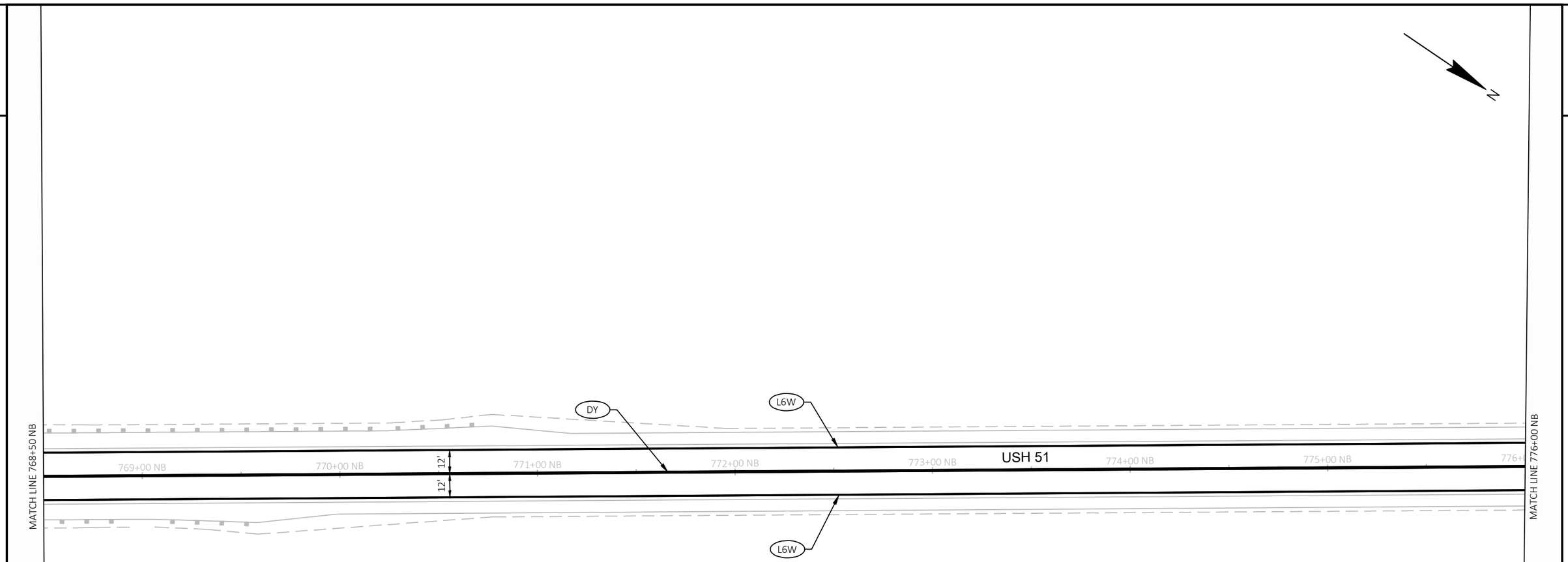
NOTE: FINAL PASSING ZONES TO BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO-PASSING ZONES ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET 137	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024511-pm
PLOT DATE : 1/21/2026 3:20 PM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2



LEGEND

L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
YS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW SKIP, 12.5' SEG., 37.5' GAP)
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WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
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WS-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WES-9	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
WO	MARKING WORD EPOXY
AW	MARKING ARROW EPOXY
SY	MARKING SYMBOL EPOXY
CY	MARKING CURB EPOXY, (YELLOW)
S18	MARKING STOP LINE EPOXY 18-INCH

NOTE: FINAL PASSING ZONES TO BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO-PASSING ZONES ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET 138	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024512-pm
PLOT DATE : 1/21/2026 3:20 PM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 776+00 NB

MATCH LINE 783+50 NB

DY

L6W

L6W

DY

12'

12'

USH 51

+25.84 NB
0.00'

777+00 NB

778+00 NB

779+00 NB

780+00 NB

781+00 NB

782+00 NB

783+00 NB

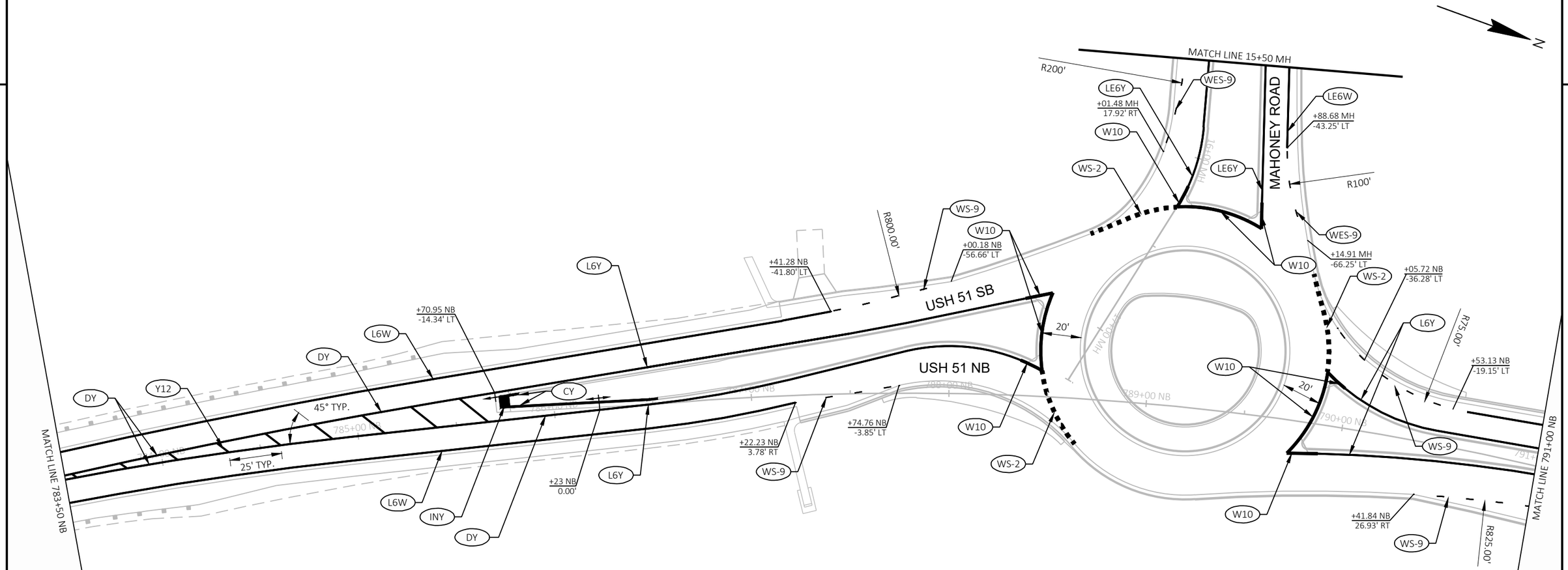
LEGEND

L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
YS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW SKIP, 12.5' SEG., 37.5' GAP)
WSE	MARKING LINE GROOVED WET REFLEXTIVE EPOXY 6-INCH, (WHITE SKIP, 12.5' SEG., 37.5' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 6' SEG., 3' GAP)
WS-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WES-9	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
WO	MARKING WORD EPOXY
AW	MARKING ARROW EPOXY
SY	MARKING SYMBOL EPOXY
CY	MARKING CURB EPOXY, (YELLOW)
S18	MARKING STOP LINE EPOXY 18-INCH

NOTE: FINAL PASSING ZONES TO BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO-PASSING ZONES ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET 139	E

2



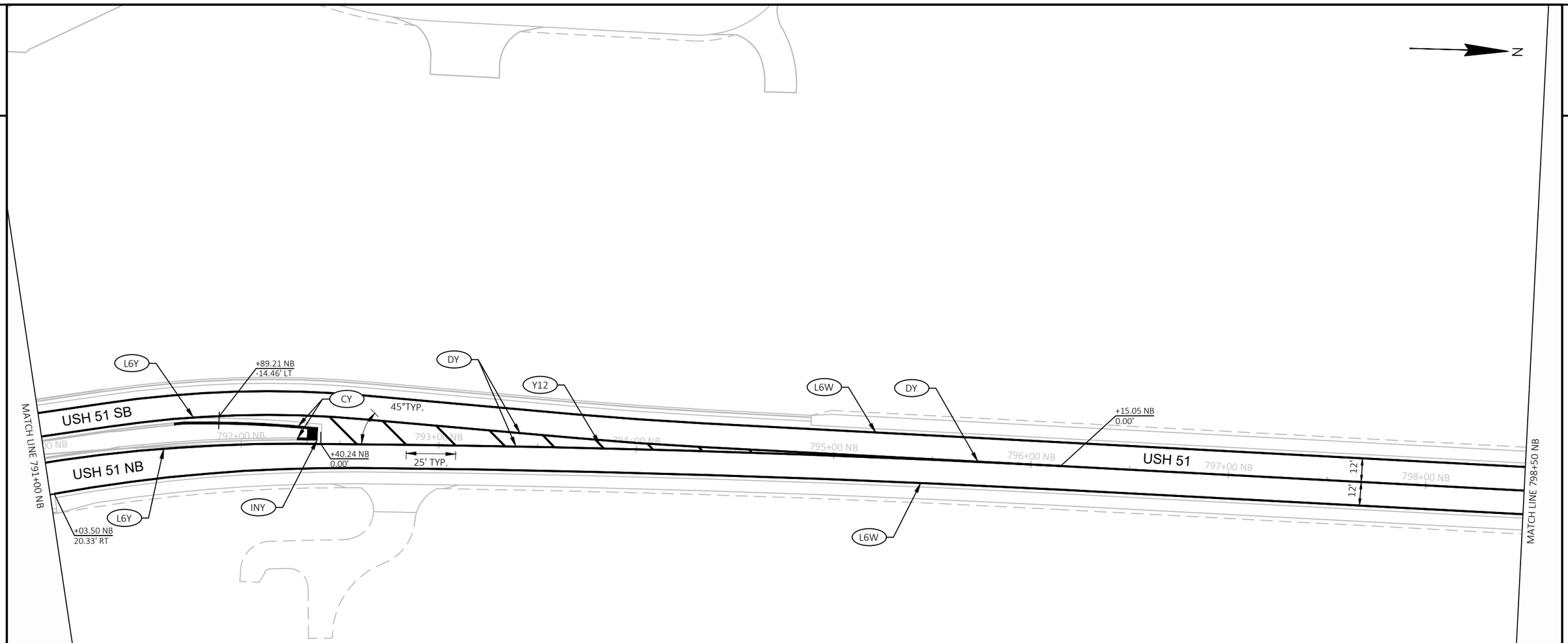
LEGEND

L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
YS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW SKIP, 12.5' SEG., 37.5' GAP)
WSE	MARKING LINE GROOVED WET REFLEXTIVE EPOXY 6-INCH, (WHITE SKIP, 12.5' SEG., 37.5' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 6' SEG., 3' GAP)
WS-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WES-9	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
WO	MARKING WORD EPOXY
AW	MARKING ARROW EPOXY
SY	MARKING SYMBOL EPOXY
CY	MARKING CURB EPOXY, (YELLOW)
S18	MARKING STOP LINE EPOXY 18-INCH

NOTE: FINAL PASSING ZONES TO BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO-PASSING ZONES ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET 140	E

2



LEGEND

L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
YS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW SKIP, 12.5' SEG., 37.5' GAP)
WSE	MARKING LINE GROOVED WET REFLEXTIVE EPOXY 6-INCH, (WHITE SKIP, 12.5' SEG., 37.5' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 6' SEG., 3' GAP)
WS-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WES-9	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
WO	MARKING WORD EPOXY
AW	MARKING ARROW EPOXY
SY	MARKING SYMBOL EPOXY
CY	MARKING CURB EPOXY, (YELLOW)
S18	MARKING STOP LINE EPOXY 18-INCH

NOTE: FINAL PASSING ZONES TO BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO-PASSING ZONES ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET 141	E

2

N

MATCH LINE 798+50 NB

799+00 NB

800+00 NB

801+00 NB

802+00 NB

803+00 NB

USH 51

804+00 NB

805+00 NB

806+

12'

12'

DY

L6W

L6W

MATCH LINE 806+00 NB

2

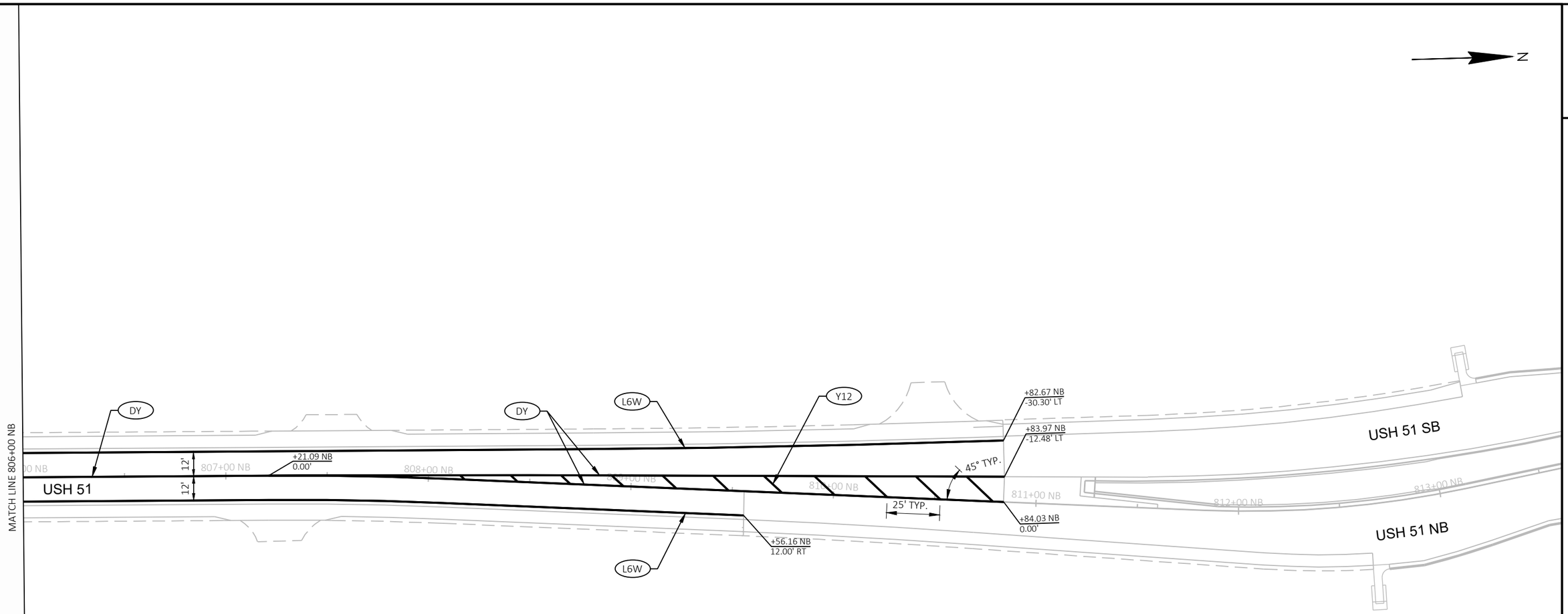
LEGEND

L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
YS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW SKIP, 12.5' SEG., 37.5' GAP)
WSE	MARKING LINE GROOVED WET REFLEXTIVE EPOXY 6-INCH, (WHITE SKIP, 12.5' SEG., 37.5' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 6' SEG., 3' GAP)
WS-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WES-9	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
WO	MARKING WORD EPOXY
AW	MARKING ARROW EPOXY
SY	MARKING SYMBOL EPOXY
CY	MARKING CURB EPOXY, (YELLOW)
S18	MARKING STOP LINE EPOXY 18-INCH

NOTE: FINAL PASSING ZONES TO BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO-PASSING ZONES ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET 142	E

2



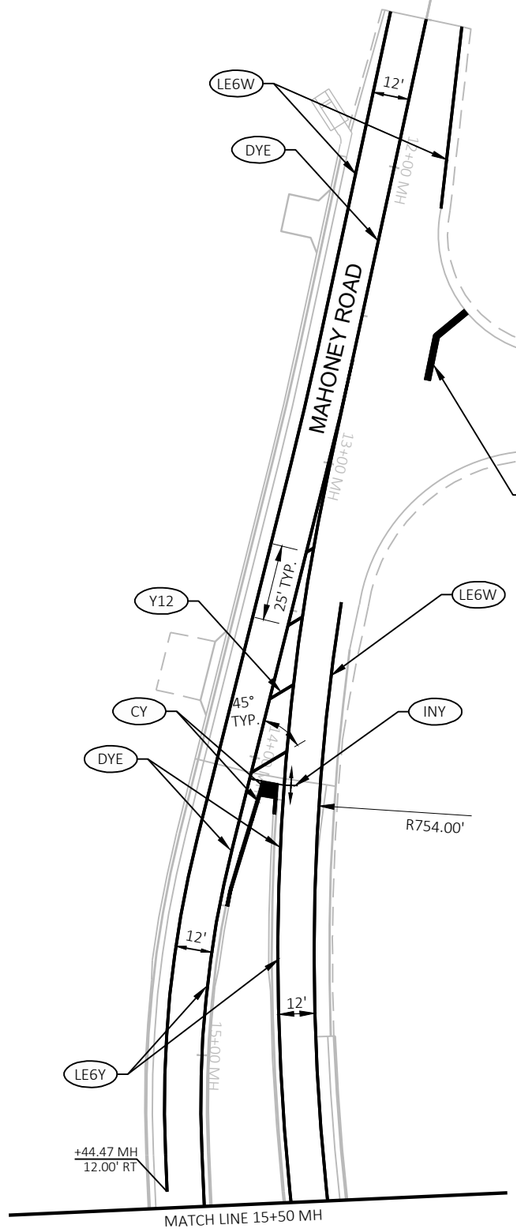
LEGEND

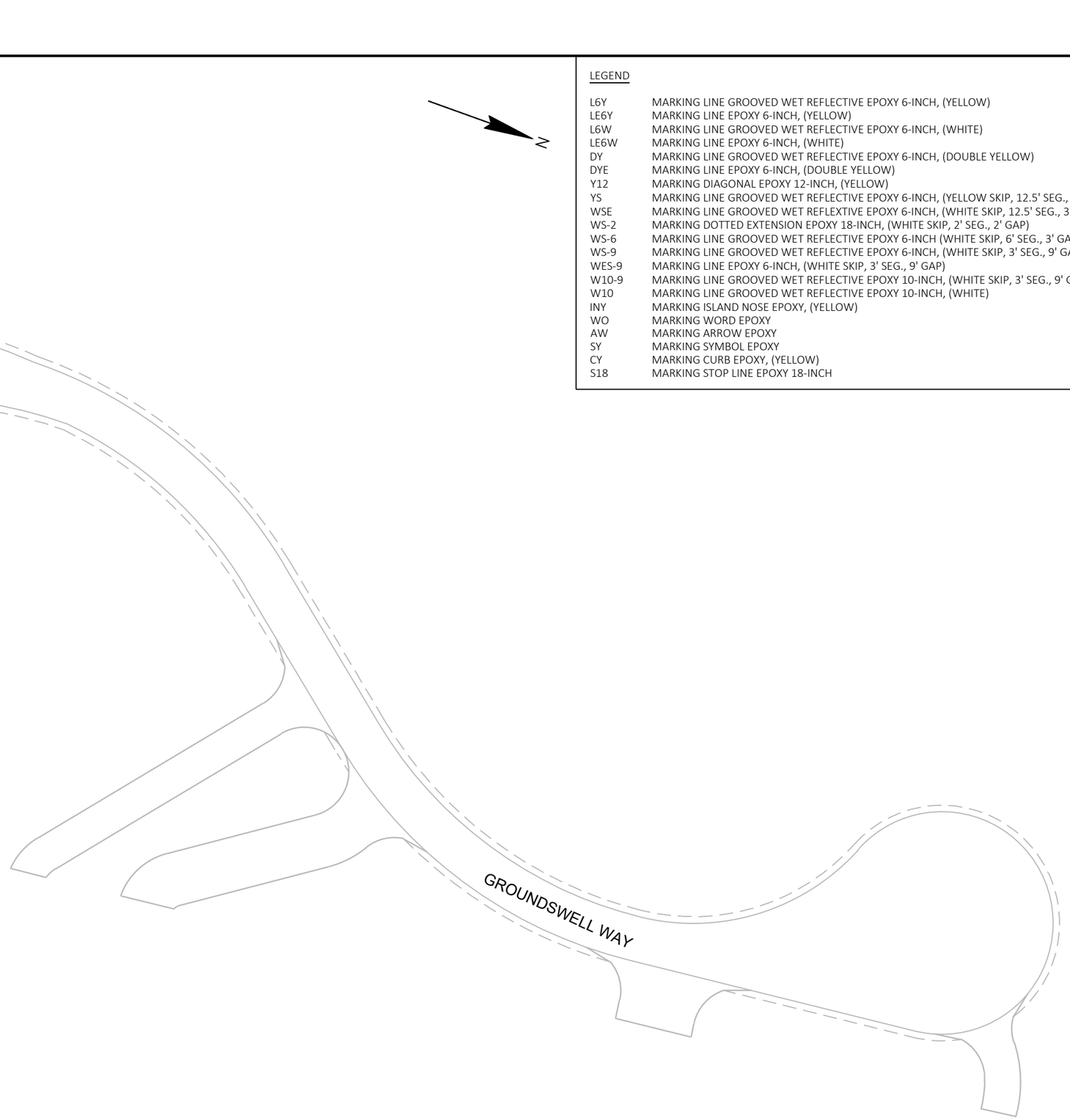
L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
YS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW SKIP, 12.5' SEG., 37.5' GAP)
WSE	MARKING LINE GROOVED WET REFLEXTIVE EPOXY 6-INCH, (WHITE SKIP, 12.5' SEG., 37.5' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 6' SEG., 3' GAP)
WS-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WES-9	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
WO	MARKING WORD EPOXY
AW	MARKING ARROW EPOXY
SY	MARKING SYMBOL EPOXY
CY	MARKING CURB EPOXY, (YELLOW)
S18	MARKING STOP LINE EPOXY 18-INCH

NOTE: FINAL PASSING ZONES TO BE PLACED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO-PASSING ZONES ITEM.

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET 143	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024517-pm
PLOT DATE : 8/14/2026 7:54 AM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42





LEGEND

L6Y	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW)
LE6Y	MARKING LINE EPOXY 6-INCH, (YELLOW)
L6W	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE)
LE6W	MARKING LINE EPOXY 6-INCH, (WHITE)
DY	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (DOUBLE YELLOW)
DYE	MARKING LINE EPOXY 6-INCH, (DOUBLE YELLOW)
Y12	MARKING DIAGONAL EPOXY 12-INCH, (YELLOW)
YS	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (YELLOW SKIP, 12.5' SEG., 37.5' GAP)
WSE	MARKING LINE GROOVED WET REFLEXTIVE EPOXY 6-INCH, (WHITE SKIP, 12.5' SEG., 37.5' GAP)
WS-2	MARKING DOTTED EXTENSION EPOXY 18-INCH, (WHITE SKIP, 2' SEG., 2' GAP)
WS-6	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE SKIP, 6' SEG., 3' GAP)
WS-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
WES-9	MARKING LINE EPOXY 6-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10-9	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE SKIP, 3' SEG., 9' GAP)
W10	MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH, (WHITE)
INY	MARKING ISLAND NOSE EPOXY, (YELLOW)
WO	MARKING WORD EPOXY
AW	MARKING ARROW EPOXY
SY	MARKING SYMBOL EPOXY
CY	MARKING CURB EPOXY, (YELLOW)
S18	MARKING STOP LINE EPOXY 18-INCH

2

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKING	SHEET 144	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024518-pm
PLOT DATE : 1/21/2026 3:31 PM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

N

Madison
Monona
Cottage Grove
Fitchburg
McFarland
Stoughton

Lake Monona
L. Wingra
Nine Springs
L. Waubesa
Mud L.
Lake Kegonsa
Yahara R.
Koshkonong Cr.
Keenans Cr.
Door Cr.
Bass L.
Sweet L.
Rice
Turtle

MS
MC
BW
MM
PD
D
M
B
N
W
A
AB
BB
MN
BN
PQ

WSOR

12
18
51
39
90
73
138

CAPITAL SPRINGS

WORKZONE

DETOUR ROUTE (PROVIDED BY OTHERS)

FOR INFORMATION ONLY
INSTALLED AND MAINTAINED
UNDER PROJECT ID 5845-16-74

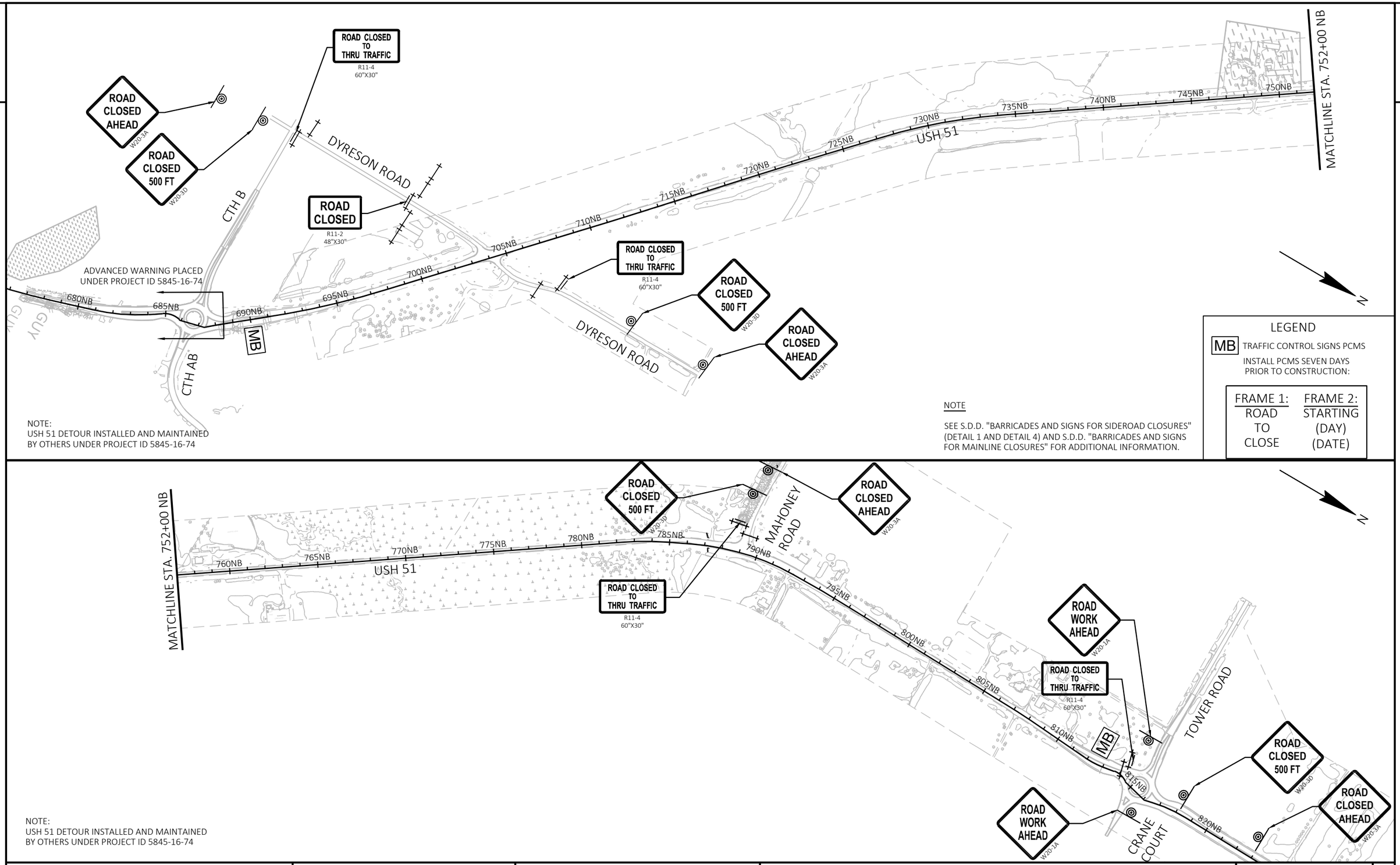
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	DETOUR PLAN	SHEET 145 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\027001-DT-OV (FOR INFORMATION ONLY).DWG
LAYOUT NAME - DETOUR OVERVIEW

PLOT DATE : 2/18/2026 3:53 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN: 1.5 MI

WISDOT/CADDS SHEET 42

2



NOTE:
USH 51 DETOUR INSTALLED AND MAINTAINED
BY OTHERS UNDER PROJECT ID 5845-16-74

NOTE

SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" (DETAIL 1 AND DETAIL 4) AND S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR ADDITIONAL INFORMATION.

LEGEND

MB TRAFFIC CONTROL SIGNS PCMS

INSTALL PCMS SEVEN DAYS PRIOR TO CONSTRUCTION:

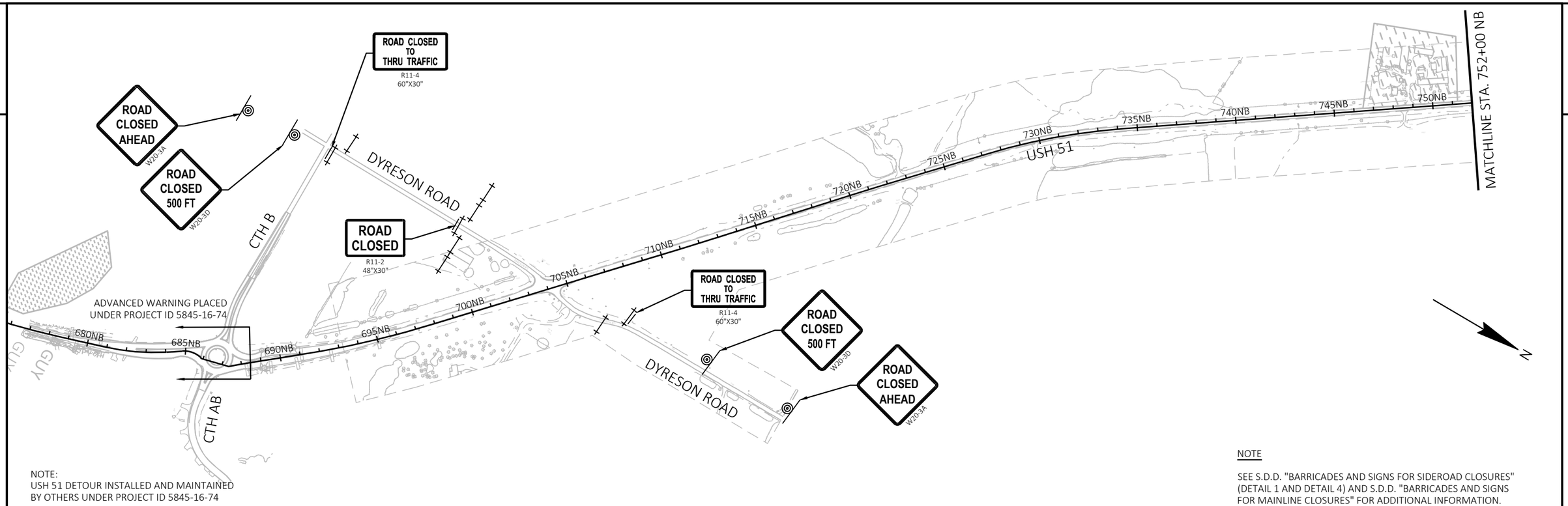
FRAME 1: ROAD TO CLOSE	FRAME 2: STARTING (DAY) (DATE)

NOTE:
USH 51 DETOUR INSTALLED AND MAINTAINED
BY OTHERS UNDER PROJECT ID 5845-16-74

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	ADVANCE WARNING - PHASE 1	SHEET 146	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025101-TC.DWG
LAYOUT NAME - 025101-TC
PLOT DATE : 4/20/2026 2:14 PM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

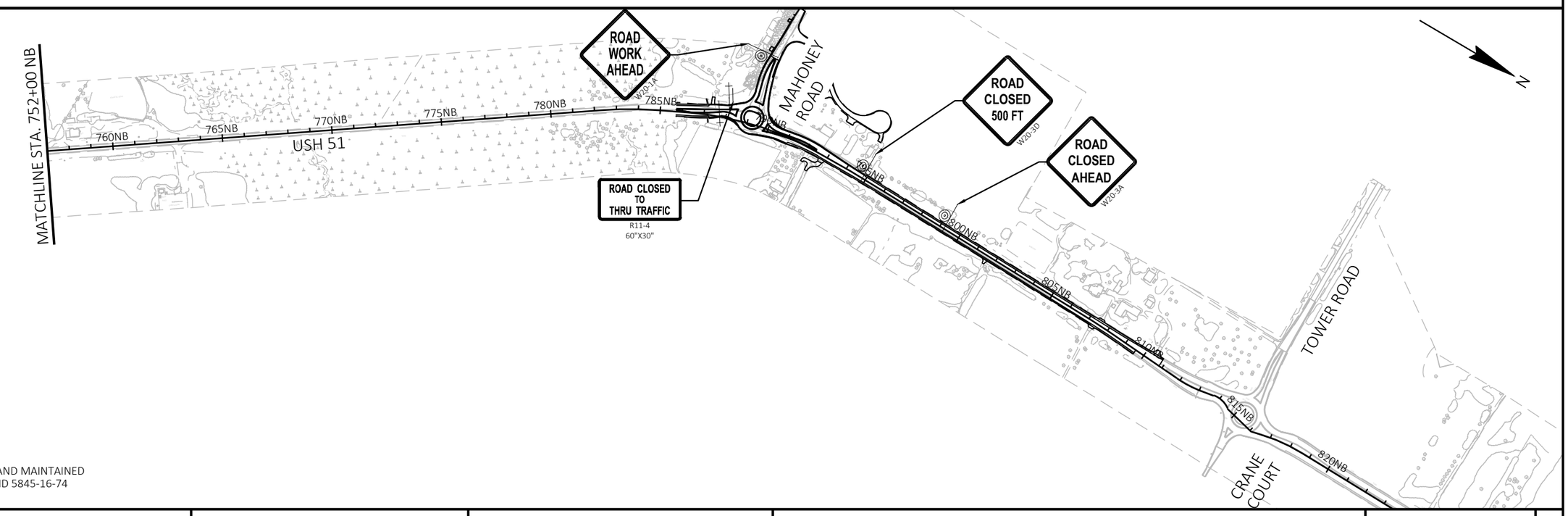
2



NOTE:
USH 51 DETOUR INSTALLED AND MAINTAINED
BY OTHERS UNDER PROJECT ID 5845-16-74

NOTE

SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" (DETAIL 1 AND DETAIL 4) AND S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR ADDITIONAL INFORMATION.



NOTE:
USH 51 DETOUR INSTALLED AND MAINTAINED
BY OTHERS UNDER PROJECT ID 5845-16-74

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	ADVANCE WARNING - PHASE 2	SHEET 147	E

2

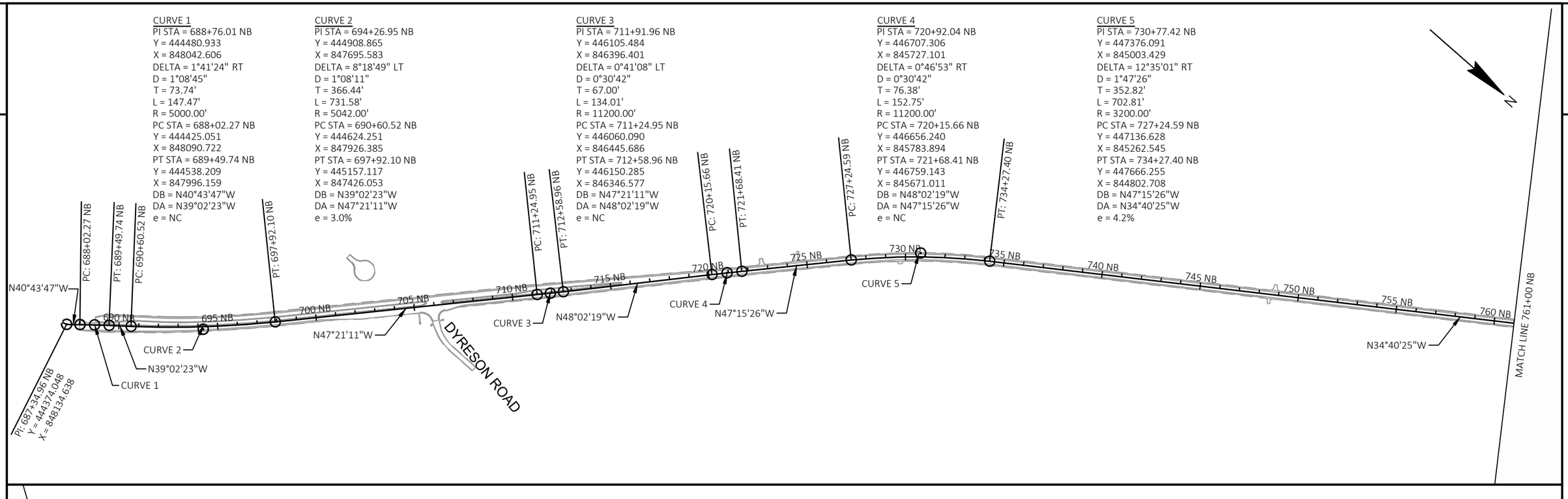
CURVE 1
PI STA = 688+76.01 NB
Y = 444480.933
X = 848042.606
DELTA = 1°41'24" RT
D = 1°08'45"
T = 73.74'
L = 147.47'
R = 5000.00'
PC STA = 688+02.27 NB
Y = 444425.051
X = 848090.722
PT STA = 689+49.74 NB
Y = 444538.209
X = 847996.159
DB = N40°43'47"W
DA = N39°02'23"W
e = NC

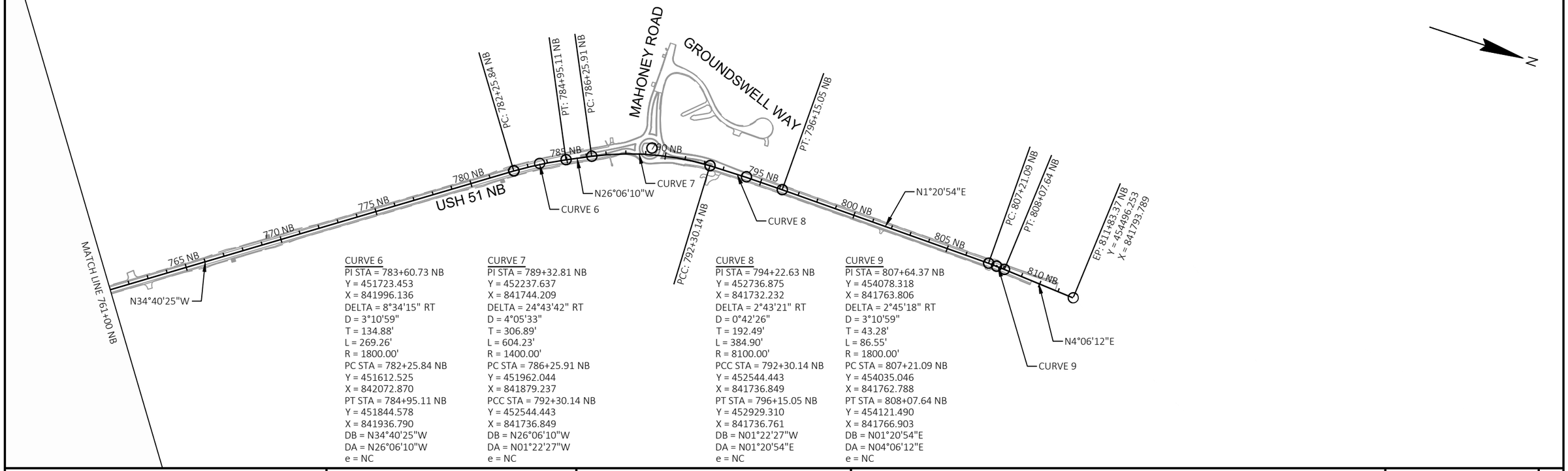
CURVE 2
PI STA = 694+26.95 NB
Y = 444908.865
X = 847695.583
DELTA = 8°18'49" LT
D = 1°08'11"
T = 366.44'
L = 731.58'
R = 5042.00'
PC STA = 690+60.52 NB
Y = 444624.251
X = 847926.385
PT STA = 697+92.10 NB
Y = 445157.117
X = 847426.053
DB = N39°02'23"W
DA = N47°21'11"W
e = 3.0%

CURVE 3
PI STA = 711+91.96 NB
Y = 446105.484
X = 846396.401
DELTA = 0°41'08" LT
D = 0°30'42"
T = 67.00'
L = 134.01'
R = 11200.00'
PC STA = 711+24.95 NB
Y = 446060.090
X = 846445.686
PT STA = 712+58.96 NB
Y = 446150.285
X = 846346.577
DB = N47°21'11"W
DA = N48°02'19"W
e = NC

CURVE 4
PI STA = 720+92.04 NB
Y = 446707.306
X = 845727.101
DELTA = 0°46'53" RT
D = 0°30'42"
T = 76.38'
L = 152.75'
R = 11200.00'
PC STA = 720+15.66 NB
Y = 446656.240
X = 845783.894
PT STA = 721+68.41 NB
Y = 446759.143
X = 845671.011
DB = N48°02'19"W
DA = N47°15'26"W
e = NC

CURVE 5
PI STA = 730+77.42 NB
Y = 447376.091
X = 845003.429
DELTA = 12°35'01" RT
D = 1°47'26"
T = 352.82'
L = 702.81'
R = 3200.00'
PC STA = 727+24.59 NB
Y = 447136.628
X = 845262.545
PT STA = 734+27.40 NB
Y = 447666.255
X = 844802.708
DB = N47°15'26"W
DA = N34°40'25"W
e = 4.2%





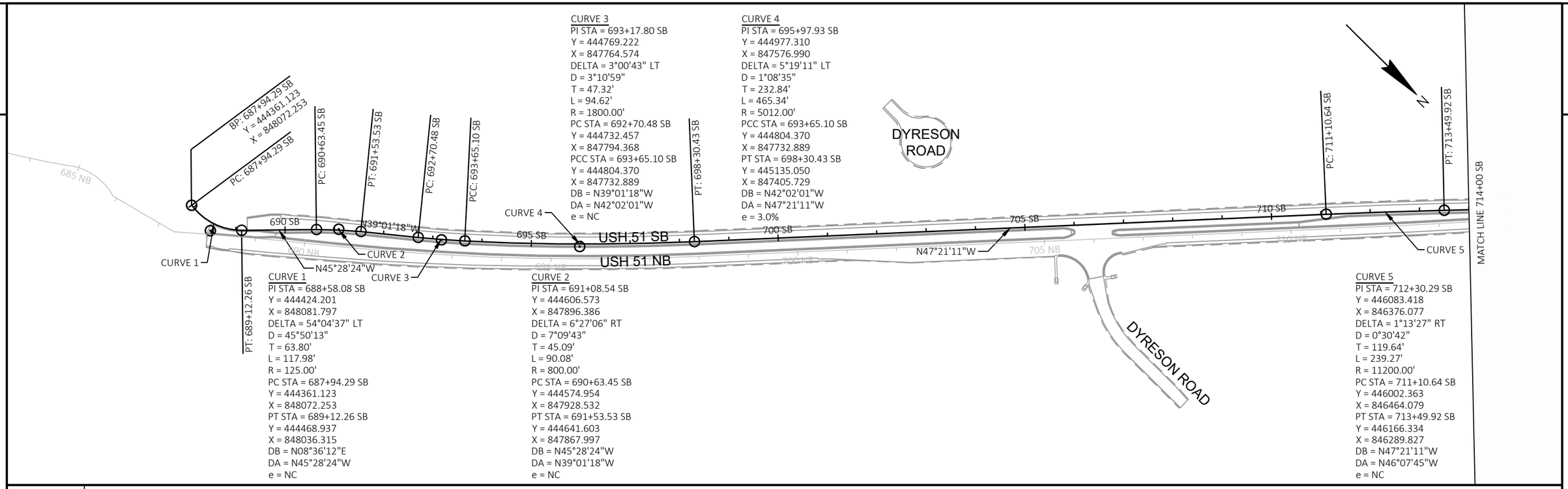
CURVE 6
PI STA = 783+60.73 NB
Y = 451723.453
X = 841996.136
DELTA = 8°34'15" RT
D = 3°10'59"
T = 134.88'
L = 269.26'
R = 1800.00'
PC STA = 782+25.84 NB
Y = 451612.525
X = 842072.870
PT STA = 784+95.11 NB
Y = 451844.578
X = 841936.790
DB = N34°40'25"W
DA = N26°06'10"W
e = NC

CURVE 7
PI STA = 789+32.81 NB
Y = 452237.637
X = 841744.209
DELTA = 24°43'42" RT
D = 4°05'33"
T = 306.89'
L = 604.23'
R = 1400.00'
PC STA = 786+25.91 NB
Y = 451962.044
X = 841879.237
PCC STA = 792+30.14 NB
Y = 452544.443
X = 841736.849
DB = N26°06'10"W
DA = N01°22'27"W
e = NC

CURVE 8
PI STA = 794+22.63 NB
Y = 452736.875
X = 841732.232
DELTA = 2°43'21" RT
D = 0°42'26"
T = 192.49'
L = 384.90'
R = 8100.00'
PCC STA = 792+30.14 NB
Y = 452544.443
X = 841736.849
PT STA = 796+15.05 NB
Y = 452929.310
X = 841736.761
DB = N01°22'27"W
DA = N01°20'54"E
e = NC

CURVE 9
PI STA = 807+64.37 NB
Y = 454078.318
X = 841763.806
DELTA = 2°45'18" RT
D = 3°10'59"
T = 43.28'
L = 86.55'
R = 1800.00'
PC STA = 807+21.09 NB
Y = 454035.046
X = 841762.788
PT STA = 808+07.64 NB
Y = 454121.490
X = 841766.903
DB = N01°20'54"E
DA = N04°06'12"E
e = NC

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	ALIGNMENT DETAILS	SHEET 148	E



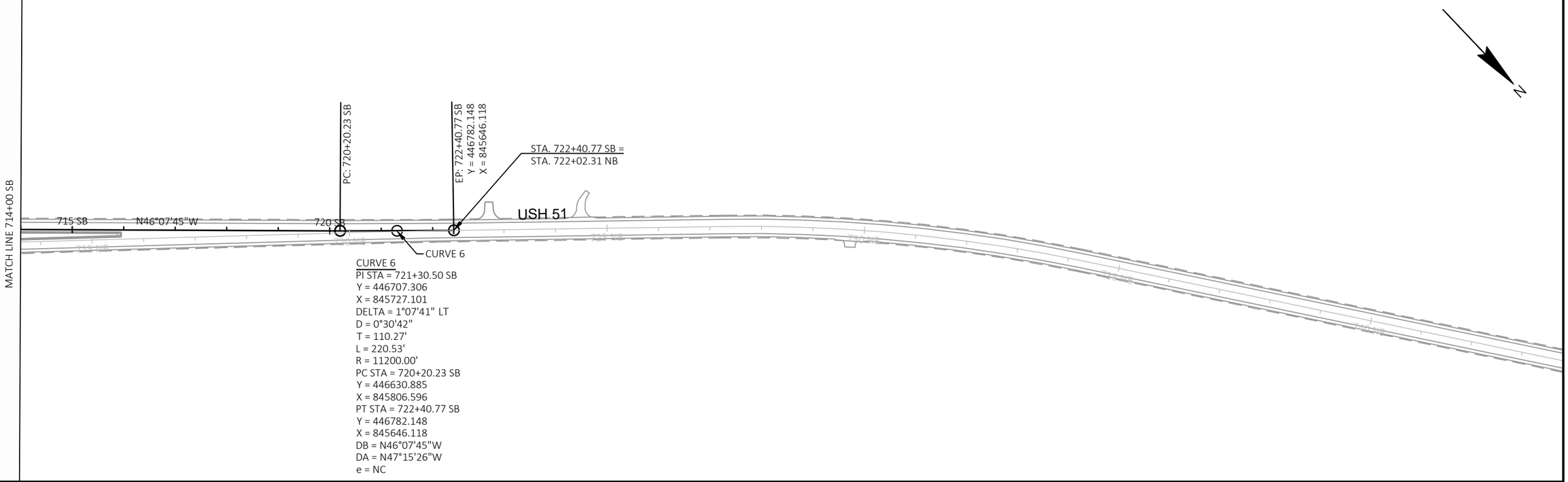
CURVE 1
PI STA = 688+58.08 SB
Y = 444424.201
X = 848081.797
DELTA = 54°04'37" LT
D = 45°50'13"
T = 63.80'
L = 117.98'
R = 125.00'
PC STA = 687+94.29 SB
Y = 444361.123
X = 848072.253
PT STA = 689+12.26 SB
Y = 444468.937
X = 848036.315
DB = N08°36'12"E
DA = N45°28'24"W
e = NC

CURVE 2
PI STA = 691+08.54 SB
Y = 444606.573
X = 847896.386
DELTA = 6°27'06" RT
D = 7°09'43"
T = 45.09'
L = 90.08'
R = 800.00'
PC STA = 690+63.45 SB
Y = 444574.954
X = 847928.532
PT STA = 691+53.53 SB
Y = 444641.603
X = 847867.997
DB = N45°28'24"W
DA = N39°01'18"W
e = NC

CURVE 3
PI STA = 693+17.80 SB
Y = 444769.222
X = 847764.574
DELTA = 3°00'43" LT
D = 3°10'59"
T = 47.32'
L = 94.62'
R = 1800.00'
PC STA = 692+70.48 SB
Y = 444732.457
X = 847794.368
PCC STA = 693+65.10 SB
Y = 444804.370
X = 847732.889
DB = N39°01'18"W
DA = N42°02'01"W
e = NC

CURVE 4
PI STA = 695+97.93 SB
Y = 444977.310
X = 847576.990
DELTA = 5°19'11" LT
D = 1°08'35"
T = 232.84'
L = 465.34'
R = 5012.00'
PCC STA = 693+65.10 SB
Y = 444804.370
X = 847732.889
PT STA = 698+30.43 SB
Y = 445135.050
X = 847405.729
DB = N42°02'01"W
DA = N47°21'11"W
e = 3.0%

CURVE 5
PI STA = 712+30.29 SB
Y = 446083.418
X = 846376.077
DELTA = 1°13'27" RT
D = 0°30'42"
T = 119.64'
L = 239.27'
R = 11200.00'
PC STA = 711+10.64 SB
Y = 446002.363
X = 846464.079
PT STA = 713+49.92 SB
Y = 446166.334
X = 846289.827
DB = N47°21'11"W
DA = N46°07'45"W
e = NC

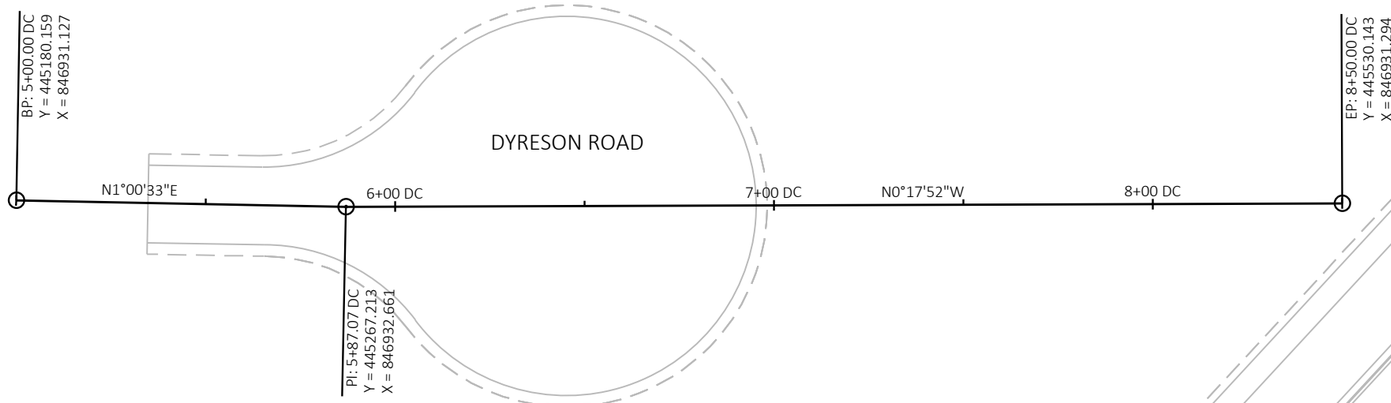


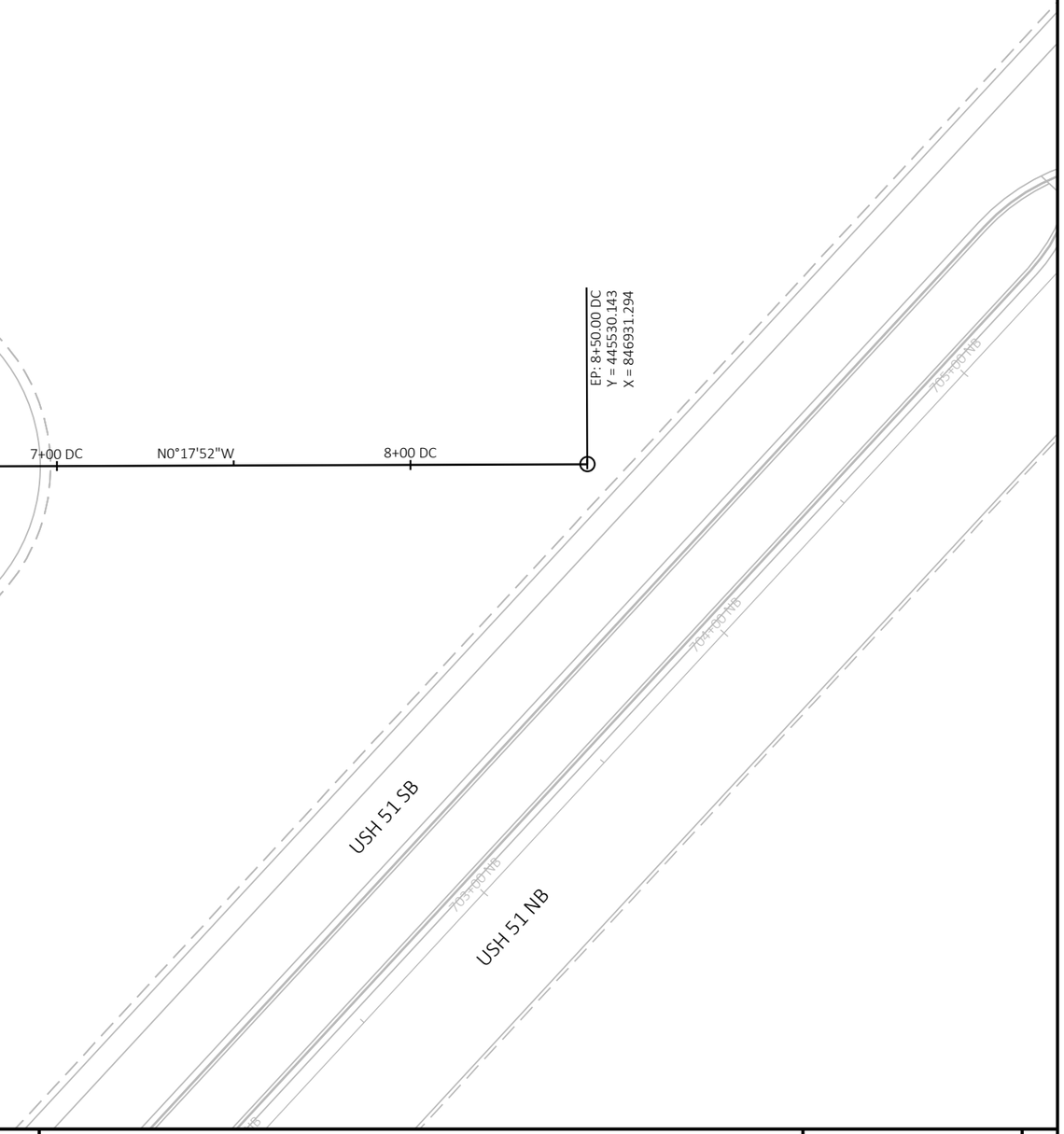
CURVE 6
PI STA = 721+30.50 SB
Y = 446707.306
X = 845727.101
DELTA = 1°07'41" LT
D = 0°30'42"
T = 110.27'
L = 220.53'
R = 11200.00'
PC STA = 720+20.23 SB
Y = 446630.885
X = 845806.596
PT STA = 722+40.77 SB
Y = 446782.148
X = 845646.118
DB = N46°07'45"W
DA = N47°15'26"W
e = NC

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	ALIGNMENT DETAILS	SHEET 149	E

2

N





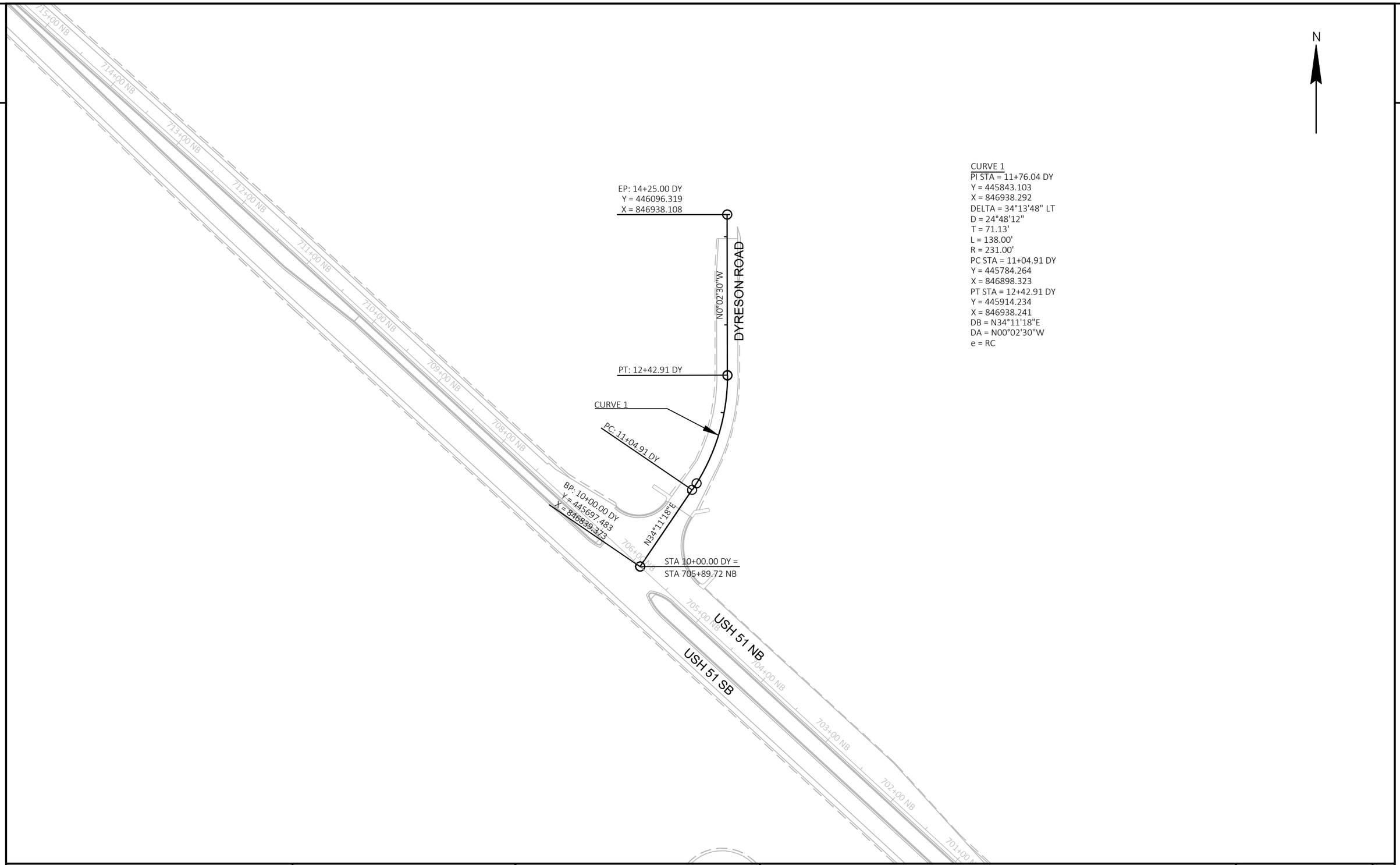
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	ALIGNMENT DETAILS	SHEET 150	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\027207-AD.DWG
LAYOUT NAME - 027206-ad

PLOT DATE : 4/20/2026 2:25 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

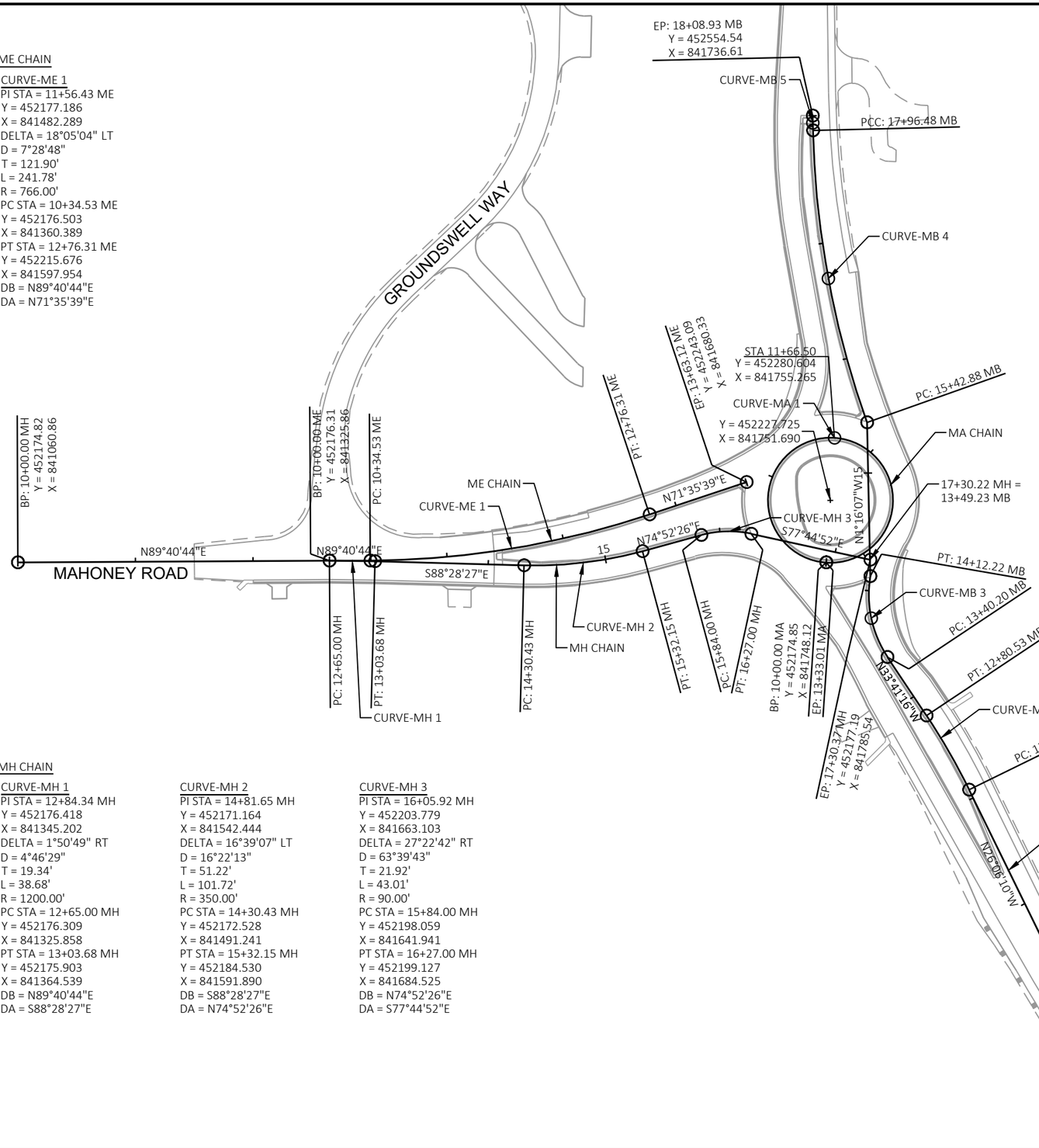
N



CURVE 1
PI STA = 11+76.04 DY
Y = 445843.103
X = 846938.292
DELTA = 34°13'48" LT
D = 24°48'12"
T = 71.13'
L = 138.00'
R = 231.00'
PC STA = 11+04.91 DY
Y = 445784.264
X = 846898.323
PT STA = 12+42.91 DY
Y = 445914.234
X = 846938.241
DB = N34°11'18"E
DA = N00°02'30"W
e = RC

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	ALIGNMENT DETAILS	SHEET 151	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\027206-AD.DWG
LAYOUT NAME - 027206-ad
PLOT DATE : 4/20/2026 2:25 PM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42



ME CHAIN

CURVE-ME 1
PI STA = 11+56.43 ME
Y = 452177.186
X = 841482.289
DELTA = 18°05'04" LT
D = 7°28'48"
T = 121.90'
L = 241.78'
R = 766.00'
PC STA = 10+34.53 ME
Y = 452176.503
X = 841360.389
PT STA = 12+76.31 ME
Y = 452215.676
X = 841597.954
DB = N89°40'44"E
DA = N71°35'39"E

MB CHAIN

CURVE-MB 1
PI STA = 10+27.55 MB
Y = 451819.834
X = 841948.914
DELTA = 1°45'14" RT
D = 3°10'59"
T = 27.55'
L = 55.10'
R = 1800.00'
BP STA = 10+00.00 MB
Y = 451795.473
X = 841961.789
PT STA = 10+55.10 MB
Y = 451844.578
X = 841936.790
DB = N27°51'24"W
DA = N26°06'10"W

CURVE-MB 2
PI STA = 12+44.17 MB
Y = 452014.364
X = 841853.603
DELTA = 7°35'06" LT
D = 10°25'03"
T = 36.46'
L = 72.81'
R = 550.00'
PC STA = 12+07.72 MB
Y = 451981.624
X = 841869.644
PT STA = 12+80.53 MB
Y = 452044.700
X = 841833.381
DB = N26°06'10"W
DA = N33°41'16"W

CURVE-MB 3
PI STA = 13+78.04 MB
Y = 452125.838
X = 841779.294
DELTA = 43°26'13" RT
D = 60°18'41"
T = 37.84'
L = 72.02'
R = 95.00'
PC STA = 13+40.20 MB
Y = 452094.351
X = 841800.283
PT STA = 14+12.22 MB
Y = 452163.132
X = 841785.701
DB = N33°41'16"W
DA = N09°44'58"E

CURVE-MB 4
PI STA = 16+70.75 MB
Y = 452414.260
X = 841740.009
DELTA = 18°09'47" RT
D = 7°09'43"
T = 127.88'
L = 253.60'
R = 800.00'
PC STA = 15+42.88 MB
Y = 452293.760
X = 841782.808
PCC STA = 17+96.48 MB
Y = 452542.098
X = 841736.905
DB = N19°33'14"W
DA = N01°23'27"W

CURVE-MB 5
PI STA = 18+02.71 MB
Y = 452548.319
X = 841736.754
DELTA = 0°05'17" RT
D = 0°42'26"
T = 6.22'
L = 12.45'
R = 8100.00'
PCC STA = 17+96.48 MB
Y = 452542.098
X = 841736.905
PT STA = 18+08.93 MB
Y = 452554.540
X = 841736.613
DB = N01°23'27"W
DA = N01°18'10"W

MH CHAIN

CURVE-MH 1
PI STA = 12+84.34 MH
Y = 452176.418
X = 841345.202
DELTA = 1°50'49" RT
D = 4°46'29"
T = 19.34'
L = 38.68'
R = 1200.00'
PC STA = 12+65.00 MH
Y = 452176.309
X = 841325.858
PT STA = 13+03.68 MH
Y = 452175.903
X = 841364.539
DB = N89°40'44"E
DA = S88°28'27"E

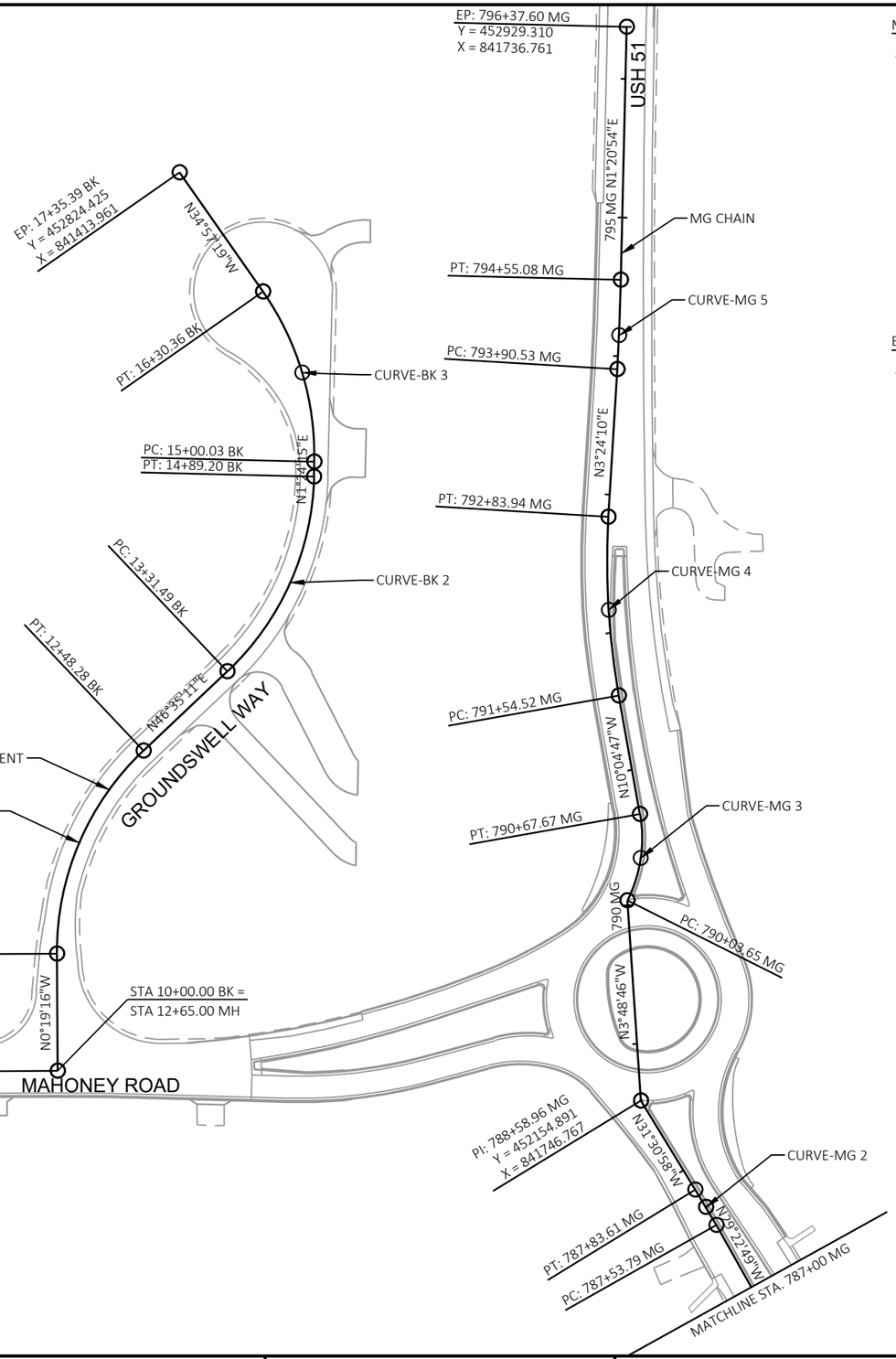
CURVE-MH 2
PI STA = 14+81.65 MH
Y = 452171.164
X = 841542.444
DELTA = 16°39'07" LT
D = 16°22'13"
T = 51.22'
L = 101.72'
R = 350.00'
PC STA = 14+30.43 MH
Y = 452172.528
X = 841491.241
PT STA = 15+32.15 MH
Y = 452184.530
X = 841591.890
DB = S88°28'27"E
DA = N74°52'26"E

CURVE-MH 3
PI STA = 16+05.92 MH
Y = 452203.779
X = 841663.103
DELTA = 27°22'42" RT
D = 63°39'43"
T = 21.92'
L = 43.01'
R = 90.00'
PC STA = 15+84.00 MH
Y = 452198.059
X = 841641.941
PT STA = 16+27.00 MH
Y = 452199.127
X = 841684.525
DB = N74°52'26"E
DA = S77°44'52"E

MA CHAIN

CURVE-MA 1
PI STA = 10+00.00 MA
Y = 452174.845
X = 841748.116
DELTA = 359°59'59" RT
D = 108°06'19"
T = 0.00'
L = 333.01'
R = 53.00'
PC STA = 10+00.00 MA
Y = 452174.845
X = 841748.116
PT STA = 13+33.01 MA
Y = 452174.845
X = 841748.116
DB = N86°07'58"W
DA = N86°07'58"W

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	ALIGNMENT DETAILS	SHEET 152	E

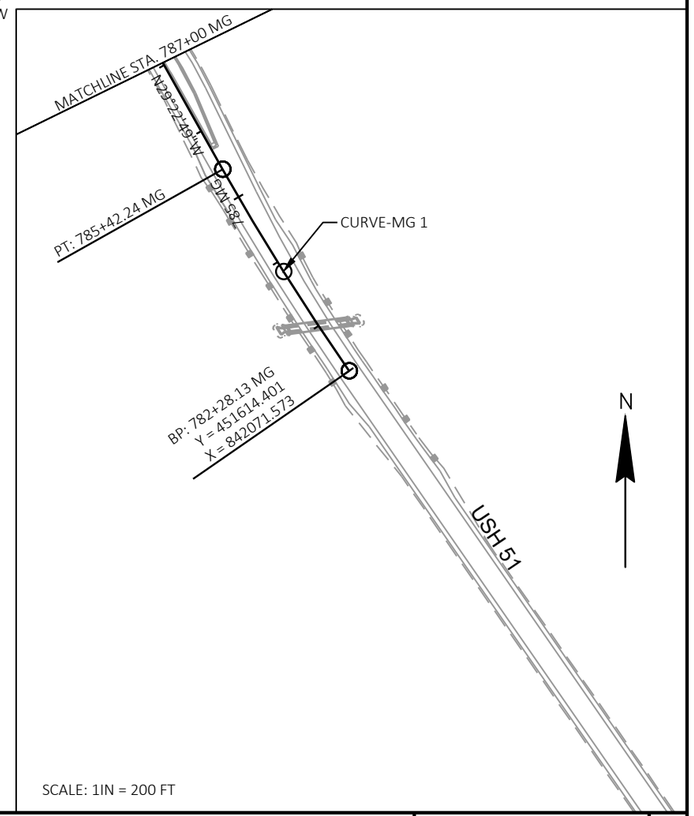


MG CHAIN

CURVE-MG 1	CURVE-MG 2	CURVE-MG 3	CURVE-MG 4	CURVE-MG 5
PI STA = 783+85.30 MG	PI STA = 787+68.70 MG	PI STA = 790+36.80 MG	PI STA = 792+19.53 MG	PI STA = 794+22.81 MG
Y = 451743.656	Y = 452077.940	Y = 452328.901	Y = 452511.059	Y = 452714.577
X = 841982.161	X = 841793.952	X = 841751.987	X = 841719.606	X = 841731.707
DELTA = 5°17'36" RT	DELTA = 2°08'09" LT	DELTA = 36°40'43" LT	DELTA = 13°28'58" RT	DELTA = 2°03'16" LT
D = 1°41'07"	D = 7°09'43"	D = 57°17'45"	D = 10°25'03"	D = 3°10'59"
T = 157.17'	T = 14.91'	T = 33.15'	T = 65.01'	T = 32.28'
L = 314.11'	L = 29.82'	L = 64.02'	L = 129.42'	L = 64.54'
R = 3400.00'	R = 800.00'	R = 100.00'	R = 550.00'	R = 1800.00'
PC STA = 782+28.13 MG	PC STA = 787+53.79 MG	PC STA = 790+03.65 MG	PC STA = 791+54.52 MG	PC STA = 793+90.53 MG
Y = 451614.401	Y = 452064.946	Y = 452299.261	Y = 452447.050	Y = 452682.358
X = 842071.573	X = 841801.268	X = 841737.146	X = 841730.984	X = 841729.792
PT STA = 785+42.24 MG	PT STA = 787+83.61 MG	PT STA = 790+67.67 MG	PT STA = 792+83.94 MG	PT STA = 794+55.08 MG
Y = 451880.607	Y = 452090.653	Y = 452361.537	Y = 452575.957	Y = 452746.843
X = 841905.055	X = 841786.157	X = 841746.186	X = 841723.465	X = 841732.467
DB = N34°40'25"W	DB = N29°22'49"W	DB = N26°35'55"E	DB = N10°04'47"W	DB = N03°24'10"E
DA = N29°22'49"W	DA = N31°30'58"W	DA = N10°04'47"W	DA = N03°24'10"E	DA = N01°20'54"E

BK ALIGNMENT

CURVE-BK 1	CURVE-BK 2	CURVE-BK 3
PI STA = 11+71.32 BK	PI STA = 14+14.70 BK	PI STA = 15+67.48 BK
Y = 452347.623	Y = 452521.629	Y = 452683.072
X = 841324.898	X = 841508.816	X = 841512.773
DELTA = 46°54'27" RT	DELTA = 45°10'56" LT	DELTA = 36°21'35" LT
D = 28°38'52"	D = 28°38'52"	D = 27°53'55"
T = 86.77'	T = 83.22'	T = 67.44'
L = 163.74'	L = 157.72'	L = 130.33'
R = 200.00'	R = 200.00'	R = 205.37'
PC STA = 10+84.55 BK	PC STA = 13+31.49 BK	PC STA = 15+00.03 BK
Y = 452260.854	Y = 452464.438	Y = 452615.650
X = 841325.384	X = 841448.367	X = 841511.120
PT STA = 12+48.28 BK	PT STA = 14+89.20 BK	PT STA = 16+30.36 BK
Y = 452407.257	Y = 452604.819	Y = 452738.347
X = 841387.929	X = 841510.855	X = 841474.133
DB = N00°19'16"W	DB = N46°35'11"E	DB = N01°24'15"E
DA = N46°35'11"E	DA = N01°24'15"E	DA = N34°57'19"W



PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	ALIGNMENT DETAILS	SHEET 153	E

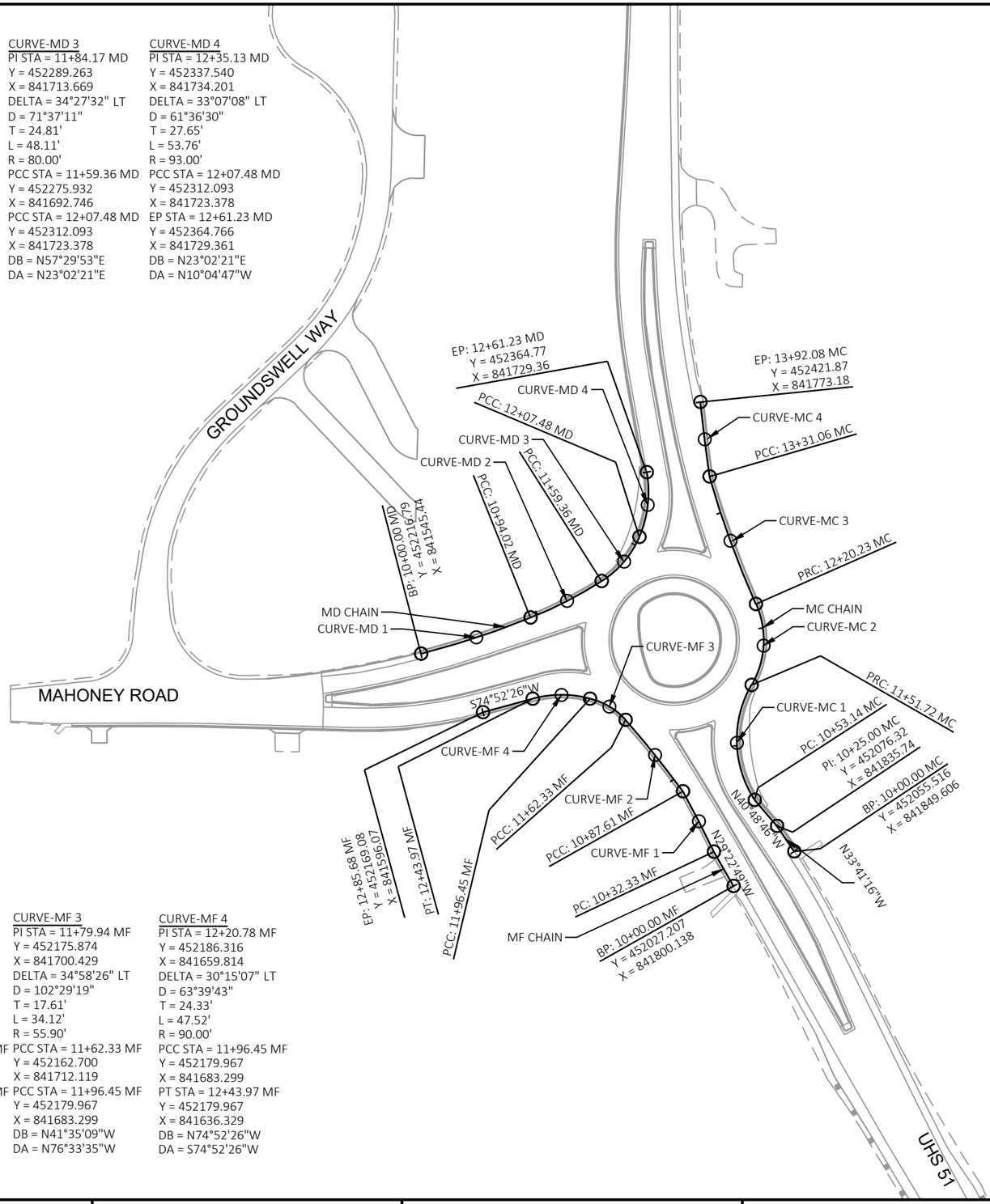
MD CHAIN

CURVE-MD 1
PI STA = 10+47.07 MD
Y = 452228.670
X = 841590.988
DELTA = 7°10'58" LT
D = 7°38'22"
T = 47.07'
L = 94.02'
R = 750.00'
BP STA = 10+00.00 MD
Y = 452216.786
X = 841545.440
PCC STA = 10+94.02 MD
Y = 452246.156
X = 841634.693
DB = N75°22'37"E
DA = N68°11'38"E

CURVE-MD 2
PI STA = 11+26.79 MD
Y = 452258.327
X = 841665.113
DELTA = 10°41'46" LT
D = 16°22'13"
T = 32.76'
L = 65.34'
R = 350.00'
PCC STA = 10+94.02 MD
Y = 452246.156
X = 841634.693
PCC STA = 11+59.36 MD
Y = 452275.932
X = 841692.746
DB = N68°11'38"E
DA = N57°29'53"E

CURVE-MD 3
PI STA = 11+84.17 MD
Y = 452289.263
X = 841713.669
DELTA = 34°27'32" LT
D = 71°37'11"
T = 24.81'
L = 48.11'
R = 80.00'
PCC STA = 11+59.36 MD
Y = 452275.932
X = 841692.746
PCC STA = 12+07.48 MD
Y = 452312.093
X = 841723.378
DB = N57°29'53"E
DA = N23°02'21"E

CURVE-MD 4
PI STA = 12+35.13 MD
Y = 452337.540
X = 841734.201
DELTA = 33°07'08" LT
D = 61°36'30"
T = 27.65'
L = 53.76'
R = 93.00'
PCC STA = 12+07.48 MD
Y = 452312.093
X = 841723.378
EP STA = 12+61.23 MD
Y = 452364.766
X = 841729.361
DB = N23°02'21"E
DA = N10°04'47"W



MC CHAIN

CURVE-MC 1
PI STA = 11+08.03 MC
Y = 452143.735
X = 841787.580
DELTA = 62°45'38" RT
D = 63°39'43"
T = 54.89'
L = 98.58'
R = 90.00'
PC STA = 10+53.14 MC
Y = 452097.614
X = 841817.349
PRC STA = 11+51.72 MC
Y = 452191.312
X = 841814.961
DB = N32°50'24"W
DA = N29°55'14"E

CURVE-MC 2
PI STA = 11+88.73 MC
Y = 452223.389
X = 841833.421
DELTA = 53°46'04" LT
D = 78°29'15"
T = 37.01'
L = 68.50'
R = 73.00'
PRC STA = 11+51.72 MC
Y = 452191.312
X = 841814.961
PRC STA = 12+20.23 MC
Y = 452257.239
X = 841818.458
DB = N29°55'14"E
DA = N23°50'50"W

CURVE-MC 3
PI STA = 12+75.73 MC
Y = 452308.001
X = 841796.019
DELTA = 7°41'50" RT
D = 6°56'42"
T = 55.50'
L = 110.83'
R = 825.00'
PRC STA = 12+20.23 MC
Y = 452257.239
X = 841818.458
PCC STA = 13+31.06 MC
Y = 452361.311
X = 841780.582
DB = N23°50'50"W
DA = N16°09'00"W

CURVE-MC 4
PI STA = 13+61.57 MC
Y = 452391.513
X = 841776.242
DELTA = 2°25'12" RT
D = 3°57'59"
T = 30.51'
L = 61.01'
R = 1444.50'
PCC STA = 13+31.06 MC
Y = 452361.311
X = 841780.582
EP STA = 13+92.08 MC
Y = 452421.871
X = 841773.181
DB = N08°10'38"W
DA = N05°45'26"W

MF CHAIN

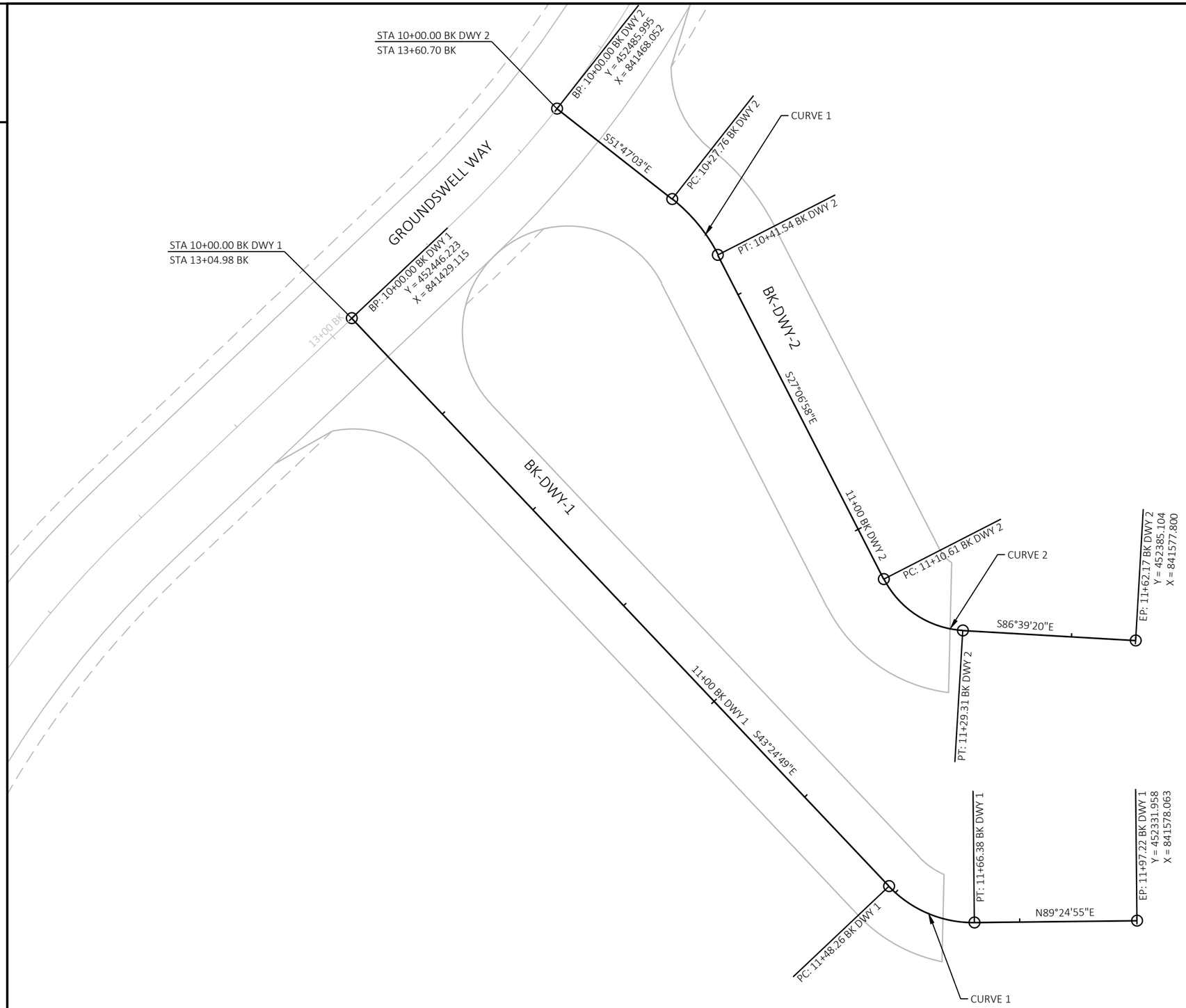
CURVE-MF 1
PI STA = 10+59.98 MF
Y = 452080.377
X = 841772.457
DELTA = 4°02'05" LT
D = 7°17'56"
T = 27.65'
L = 55.28'
R = 785.00'
PC STA = 10+32.33 MF
Y = 452055.379
X = 841784.276
PCC STA = 10+87.61 MF
Y = 452104.481
X = 841758.908
DB = N25°18'19"W
DA = N29°20'25"W

CURVE-MF 2
PI STA = 11+25.00 MF
Y = 452134.684
X = 841736.874
DELTA = 5°21'04" LT
D = 7°09'43"
T = 37.39'
L = 74.72'
R = 800.00'
PCC STA = 10+87.61 MF
Y = 452104.481
X = 841758.908
PCC STA = 11+62.33 MF
Y = 452162.700
X = 841712.119
DB = N36°06'44"W
DA = N41°27'49"W

CURVE-MF 3
PI STA = 11+79.94 MF
Y = 452175.874
X = 841700.429
DELTA = 34°58'26" LT
D = 102°29'19"
T = 17.61'
L = 34.12'
R = 55.90'
PCC STA = 11+62.33 MF
Y = 452162.700
X = 841712.119
PCC STA = 11+96.45 MF
Y = 452179.967
X = 841683.299
DB = N41°35'09"W
DA = N76°33'35"W

CURVE-MF 4
PI STA = 12+20.78 MF
Y = 452186.316
X = 841659.814
DELTA = 30°15'07" LT
D = 63°39'43"
T = 24.33'
L = 47.52'
R = 90.00'
PCC STA = 11+96.45 MF
Y = 452179.967
X = 841683.299
PT STA = 12+43.97 MF
Y = 452179.967
X = 841636.329
DB = N74°52'26"W
DA = S74°52'26"W

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	ALIGNMENT DETAILS	SHEET 154	E



BK-DWY-2

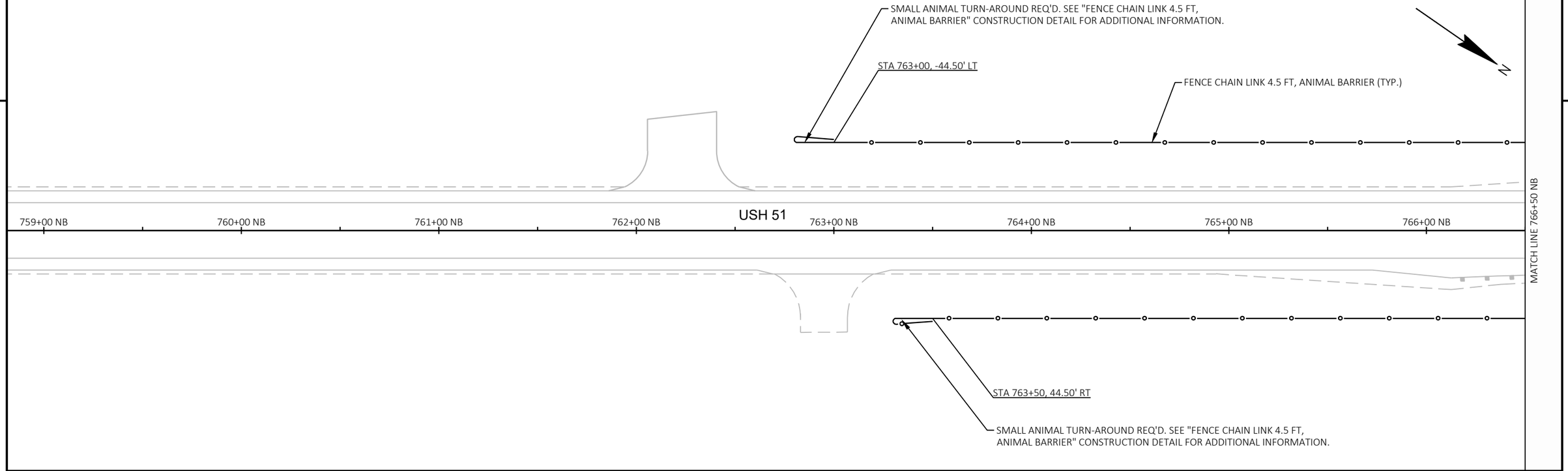
CURVE 1
PI STA = 10+34.76 BK DWY 2
Y = 452464.492
X = 841495.362
DELTA = 24°40'05" RT
D = 179°02'58"
T = 7.00'
L = 13.78'
R = 32.00'
PC STA = 10+27.76 BK DWY 2
Y = 452468.821
X = 841489.864
PT STA = 10+41.54 BK DWY 2
Y = 452458.264
X = 841498.551
DB = S51°47'03"E
DA = S27°06'58"E

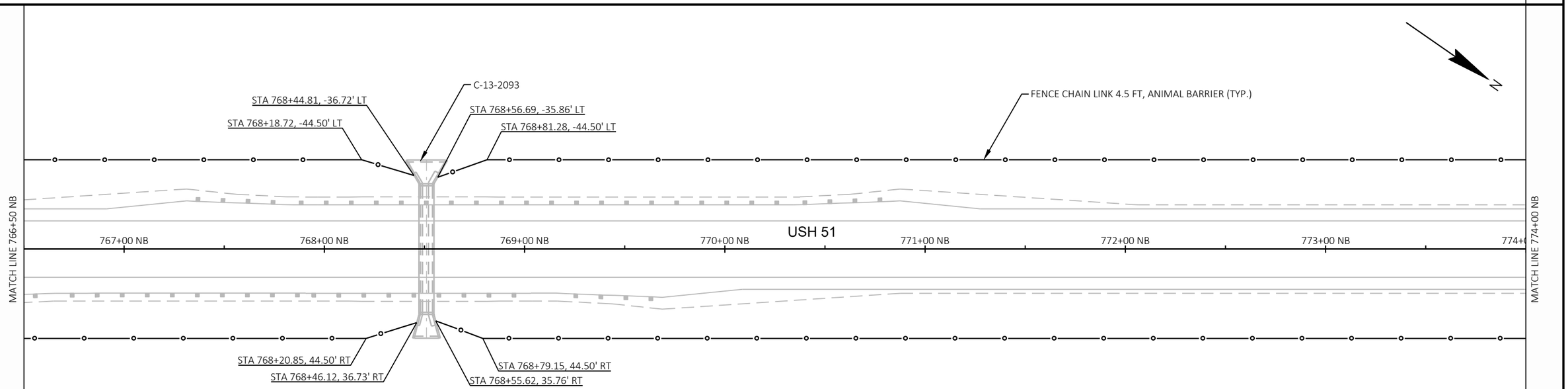
CURVE 2
PI STA = 11+20.91 BK DWY 2
Y = 452387.621
X = 841534.726
DELTA = 59°32'23" LT
D = 318°18'36"
T = 10.30'
L = 18.70'
R = 18.00'
PC STA = 11+10.61 BK DWY 2
Y = 452396.785
X = 841530.033
PT STA = 11+29.31 BK DWY 2
Y = 452387.020
X = 841545.004
DB = S27°06'58"E
DA = S86°39'20"E

BK-DWY-1

CURVE 1
PI STA = 11+57.87 BK DWY 1
Y = 452331.545
X = 841537.612
DELTA = 47°10'16" LT
D = 260°26'07"
T = 9.60'
L = 18.11'
R = 22.00'
PC STA = 11+48.26 BK DWY 1
Y = 452338.522
X = 841531.011
PT STA = 11+66.38 BK DWY 1
Y = 452331.643
X = 841547.217
DB = S43°24'49"E
DA = N89°24'55"E

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	ALIGNMENT DETAILS	SHEET 155	E





PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	FENCING	SHEET 156	E

2

2

FENCE CHAIN LINK 4.5 FT, ANIMAL BARRIER (TYP.)

MATCH LINE 774+00 NB

MATCH LINE 781+50 NB

USH 51

00 NB | 775+00 NB | 776+00 NB | 777+00 NB | 778+00 NB | 779+00 NB | 780+00 NB | 781+00 NB

STA 785+50 MG, -44.50' LT

SMALL ANIMAL TURN-AROUND REQ'D. SEE "FENCE CHAIN LINK 4.5 FT, ANIMAL BARRIER" CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION.

C-13-2094

STA 783+23.19 MG, -36.18' LT

STA 783+46.65 MG, -44.50' LT

STA 783+12.69 MG, -37.12' LT

STA 782+92.43 MG, -44.50' LT

STA 782+25.84 NB, -44.50' LT

N

USH 51 SB

782+00 NB | 783+00 MG | 783+00 NB | 784+00 MG | 784+00 NB | 785+00 MG | 785+00 NB | 786+00 MG | 786+00 NB | 787+00 MG | 787+00 NB | 788+00 MG | 788+00 NB | 789+00 MG | 789+00 NB

USH 51 NB

MATCH LINE 781+50 NB

STA 783+07.73 NB, 44.50' RT

STA 782+86.73 NB, 37.24' RT

STA 782+77.37 NB, 37.86' RT

STA 782+55.27 NB, 44.50' RT

STA 782+25.84 NB, 44.50' RT

FENCE CHAIN LINK 4.5 FT, ANIMAL BARRIER (TYP.)

SMALL ANIMAL TURN-AROUND REQ'D. SEE "FENCE CHAIN LINK 4.5 FT, ANIMAL BARRIER" CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION.

STA 786+25 NB, 44.50' RT

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	FENCING	SHEET 157	E

2

2

N

SECTION CORNER
STA. 694+68.35 NB, 1004.96' LT
Y:444,236.30
X:846,930.12
FOUND BRASS CAP

SECTION CORNER
STA. 731+95.20 NB, 917.94' LT
Y:446,904.67
X:844,226.54
FOUND ALUMINUM SPIKE

CTH B

DYRESON ROAD

CTH AB

690NB 695NB 700NB 705NB 710NB 715NB 720NB 725NB 730NB 735NB 740NB 745NB 750NB 755NB 760NB

CP-TGT 231

USH 51

CP-TGT 226

DYRESON ROAD

CP-TGT 225

MATCHLINE 762+00 NB

CP-TGT 227

SECTION CORNER
STA. 752+64.41 NB, 653.88' RT
Y:449,549.02
X:844,295.39
FOUND 2" IRON PIPE W/ BRASS CAP

CP-TGT 231
STA. 701+02.77 NB, 2.86' LT
Y: 445,365.48
X: 847,195.60
EL: 913.36

CP-TGT 227
STA. 714+86.88 NB, 1139.00' RT
Y: 447,149.64
X: 846,938.66
EL: 935.18

CP-TGT 226
STA. 735+19.65 NB, 11.87' RT
Y: 447,748.87
X: 844,759.99
EL: 903.28

CP-TGT 225
STA. 759+57.42 NB, 11.88' LT
Y: 449,740.20
X: 843,353.60
EL: 880.79

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CONTROL POINT DATA (INCLUDING SECTION CORNERS)	SHEET 158	E

2

SECTION CORNER
STA. 813+92.63 NB, 2619.37' LT
Y:454,799.90
X:839,157.69
FOUND 1/2" REBAR

T 6 N
R 10 E
9

N

CP-TGT 223

SECTION CORNER
STA. 788+78.92 NB, 74.96' LT
Y:452,177.70
X:841,716.86
FOUND ROD WITH DANE COUNTY SECTION CORNER CAP

T 6 N
R 10 E
16 9 10 15

MAHONEY ROAD

GROUNDSWELL WAY

CP-TGT 204

CP-TGT 222

790NB

795NB

800NB

805NB

CP-TGT 220
810NB

815NB

820NB

CP-TGT 221

785NB

780NB

775NB

770NB

765NB

USH 51

MATCHLINE 762+00 NB

CP-TGT 204
STA. 789+01.47 NB, 136.29' LT
Y: 452,184.92
X: 841,651.30
EL: 868.09

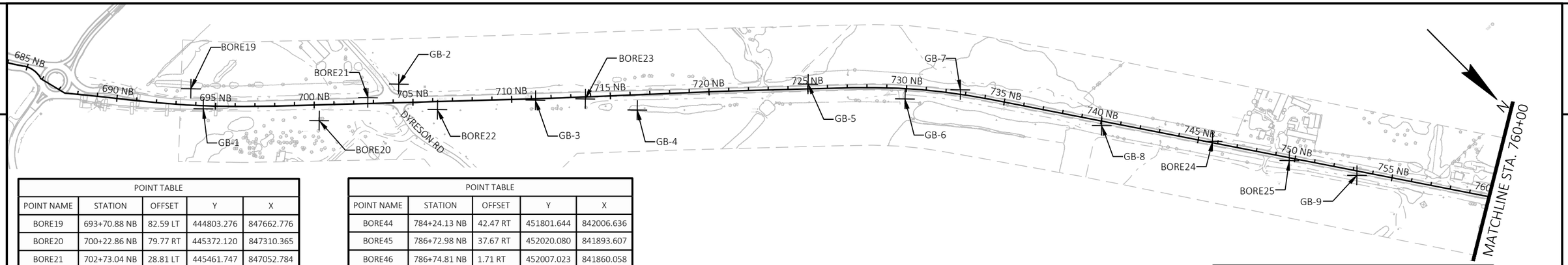
CP-TGT 222
STA. 792+62.40 NB, 34.26' LT
Y: 452,576.00
X: 841,701.88
EL: 870.06

CP-TGT 220
STA. 810+94.62 NB, 38.36' LT
Y: 454,410.48
X: 841,749.18
EL: 881.95

CP-TGT 221
STA. 786+70.57 NB, 0.76' RT
Y: 452,002.77
X: 841,860.93
EL: 859.53

CP-TGT 223
STA. 790+39.57 NB, 1085.92' LT
Y: 452,181.70
X: 840,682.32
EL: 853.73

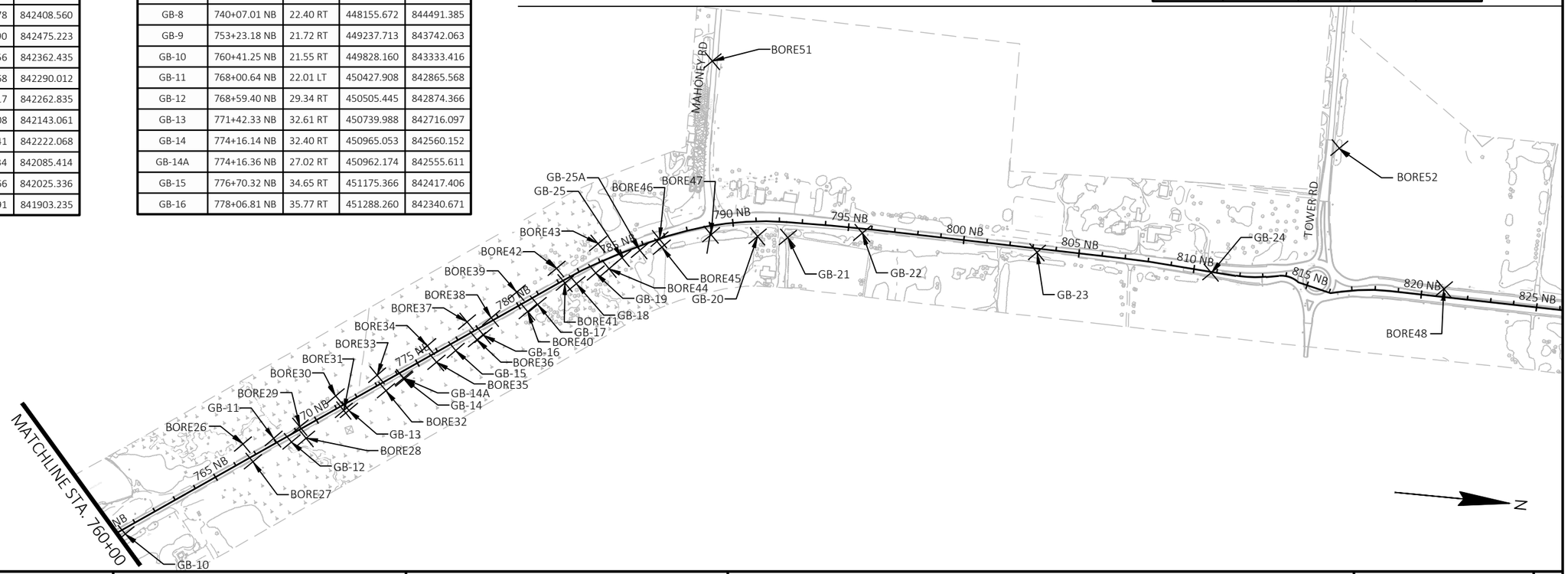
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CONTROL POINT DATA (INCLUDING SECTION CORNERS)	SHEET 159	E



POINT TABLE				
POINT NAME	STATION	OFFSET	Y	X
BORE19	693+70.88 NB	82.59 LT	444803.276	847662.776
BORE20	700+22.86 NB	79.77 RT	445372.120	847310.365
BORE21	702+73.04 NB	28.81 LT	445461.747	847052.784
BORE22	706+22.92 NB	40.77 RT	445749.967	846842.571
BORE23	713+72.87 NB	10.19 RT	446234.029	846268.689
BORE24	745+73.09 NB	6.43 LT	448604.821	844145.635
BORE25	749+73.07 NB	13.98 RT	448945.379	843934.874
BORE26	766+73.16 NB	66.26 LT	450297.887	842901.701
BORE27	766+73.06 NB	21.74 RT	450347.875	842974.124
BORE28	769+23.04 NB	45.99 RT	450567.257	842851.863
BORE29	769+23.10 NB	10.01 LT	450535.446	842805.776
BORE30	771+23.14 NB	49.80 LT	450677.322	842659.246
BORE31	771+23.06 NB	22.20 RT	450718.222	842718.501
BORE32	773+23.05 NB	37.41 RT	450891.342	842617.236
BORE33	773+23.13 NB	39.59 LT	450847.602	842553.865
BORE34	775+73.13 NB	43.33 LT	451051.078	842408.560
BORE35	775+73.05 NB	37.67 RT	451097.090	842475.223
BORE36	777+73.05 NB	38.87 RT	451262.256	842362.435
BORE37	777+73.14 NB	49.13 LT	451212.268	842290.012
BORE38	778+73.10 NB	13.02 LT	451315.017	842262.835
BORE39	780+23.14 NB	54.87 LT	451414.608	842143.061
BORE40	780+23.05 NB	41.13 RT	451469.141	842222.068
BORE41	782+23.07 NB	13.34 RT	451617.834	842085.414
BORE42	782+23.15 NB	59.66 LT	451576.366	842025.336
BORE43	784+23.25 NB	75.53 LT	451744.791	841903.235

POINT TABLE				
POINT NAME	STATION	OFFSET	Y	X
BORE44	784+24.13 NB	42.47 RT	451801.644	842006.636
BORE45	786+72.98 NB	37.67 RT	452020.080	841893.607
BORE46	786+74.81 NB	1.71 RT	452007.023	841860.058
BORE47	788+98.40 NB	38.22 RT	452226.687	841820.763
BORE48	820+94.08 NB	34.43 LT	455394.560	841768.614
BORE50	831+13.45 NB	209.55 LT	456506.027	841647.362
BORE51	789+86.68 NB	702.95 LT	452164.578	841074.534
BORE52	814+18.48 NB	595.93 LT	454890.591	841205.557
GB-1	694+38.92 NB	15.30 RT	444919.445	847688.374
GB-2	704+30.86 NB	93.99 LT	445520.729	846892.543
GB-3	711+20.31 NB	7.85 RT	446062.715	846454.418
GB-4	716+33.10 NB	77.42 RT	446458.015	846120.126
GB-5	725+02.66 NB	24.63 LT	446967.913	845408.820
GB-6	729+95.86 NB	52.58 RT	447364.416	845110.190
GB-7	732+70.85 NB	21.98 LT	447526.368	844877.439
GB-8	740+07.01 NB	22.40 RT	448155.672	844491.385
GB-9	753+23.18 NB	21.72 RT	449237.713	843742.063
GB-10	760+41.25 NB	21.55 RT	449828.160	843333.416
GB-11	768+00.64 NB	22.01 LT	450427.908	842865.568
GB-12	768+59.40 NB	29.34 RT	450505.445	842874.366
GB-13	771+42.33 NB	32.61 RT	450739.988	842716.097
GB-14	774+16.14 NB	32.40 RT	450965.053	842560.152
GB-14A	774+16.36 NB	27.02 RT	450962.174	842555.611
GB-15	776+70.32 NB	34.65 RT	451175.366	842417.406
GB-16	778+06.81 NB	35.77 RT	451288.260	842340.671

POINT TABLE				
POINT NAME	STATION	OFFSET	Y	X
GB-17	780+75.03 NB	35.89 RT	451508.911	842188.185
GB-18	782+66.03 NB	39.64 RT	451667.644	842083.475
GB-19	783+63.04 NB	35.27 RT	451746.016	842029.643
GB-20	791+05.10 NB	64.44 RT	452427.025	841809.444
GB-21	792+41.43 NB	66.78 RT	452557.231	841803.347
GB-22	795+61.50 NB	19.35 RT	452875.450	841755.029
GB-23	803+19.18 NB	16.63 RT	453632.856	841769.954
GB-24	810+76.15 NB	3.12 RT	454389.093	841789.232
GB-25	784+95.99 NB	19.60 RT	451854.000	841954.000
GB-25A	785+78.71 NB	16.70 RT	451927.000	841915.000



PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	BORING OVERVIEW	SHEET 160	E

5845-16-75

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	57.000	57.000
0004	201.0205	Grubbing	STA	57.000	57.000
0006	203.0100	Removing Small Pipe Culverts	EACH	20.000	20.000
0008	203.0220	Removing Structure (structure) 01. Dual 42-Inch Concrete Culvert Pipe	EACH	1.000	1.000
0010	203.0220	Removing Structure (structure) 02. Culverts C-13-2094	EACH	1.000	1.000
0012	204.0100	Removing Concrete Pavement	SY	38,820.000	38,820.000
0014	204.0150	Removing Curb & Gutter	LF	860.000	860.000
0016	204.0155	Removing Concrete Sidewalk	SY	380.000	380.000
0018	204.0170	Removing Fence	LF	1,236.000	1,236.000
0020	204.0220	Removing Inlets	EACH	3.000	3.000
0022	204.0245	Removing Storm Sewer (size) 01. 18-Inch or less	LF	105.000	105.000
0024	204.0245	Removing Storm Sewer (size) 02. 24-Inch to 30-Inch	LF	110.000	110.000
0026	204.9060.S	Removing (item description) 01. Removing Business Signs	EACH	1.000	1.000
0028	204.9060.S	Removing (item description) 02. Private Light Pole	EACH	1.000	1.000
0030	205.0100	Excavation Common	CY	73,442.000	73,442.000
0032	205.0200	Excavation Rock	CY	622.000	622.000
0034	205.0400	Excavation Marsh	CY	1,103.000	1,103.000
0036	206.2001	Excavation for Structures Culverts (structure) 01. C-13-2093	EACH	1.000	1.000
0038	206.2001	Excavation for Structures Culverts (structure) 02. Culverts C-13-2094	EACH	1.000	1.000
0040	210.2500	Backfill Structure Type B	TON	1,445.000	1,445.000
0042	213.0100	Finishing Roadway (project) 01. 5845-16-75	EACH	1.000	1.000
0044	305.0110	Base Aggregate Dense 3/4-Inch	TON	2,733.000	2,733.000
0046	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	36,037.000	36,037.000
0048	311.0110	Breaker Run	TON	100.000	100.000
0050	312.0110	Select Crushed Material	TON	54,245.000	54,245.000
0052	405.0100	Coloring Concrete WisDOT Red	CY	198.000	198.000
0054	415.0080	Concrete Pavement 8-Inch	SY	45,924.000	45,924.000
0056	415.0210	Concrete Pavement Gaps	EACH	3.000	3.000
0058	415.2010	Concrete Truck Apron 12-Inch	SY	532.000	532.000
0060	415.4100	Concrete Pavement Joint Filling	SY	4,148.000	4,148.000
0062	415.6000.S	Rout and Seal	LF	22,573.000	22,573.000
0064	416.0610	Drilled Tie Bars	EACH	51.000	51.000
0066	416.0620	Drilled Dowel Bars	EACH	66.000	66.000
0068	455.0605	Tack Coat	GAL	1,047.000	1,047.000
0070	460.2000	Incentive Density HMA Pavement	DOL	3,040.000	3,040.000
0072	460.5224	HMA Pavement 4 LT 58-28 S	TON	3,482.000	3,482.000
0074	460.6224	HMA Pavement 4 MT 58-28 S	TON	1,237.000	1,237.000
0076	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	190.000	190.000
0078	465.0315	Asphaltic Flumes	SY	78.000	78.000
0080	504.0100	Concrete Masonry Culverts	CY	132.000	132.000
0082	505.0400	Bar Steel Reinforcement HS Structures	LB	12,070.000	12,070.000
0084	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	1,730.000	1,730.000
0086	516.0500	Rubberized Membrane Waterproofing	SY	28.000	28.000
0088	520.1012	Apron Endwalls for Culvert Pipe 12-Inch	EACH	6.000	6.000
0090	520.1018	Apron Endwalls for Culvert Pipe 18-Inch	EACH	14.000	14.000
0092	520.3412	Culvert Pipe Class III-A Non-metal 12-Inch	LF	126.000	126.000
0094	520.3418	Culvert Pipe Class III-A Non-metal 18-Inch	LF	272.000	272.000
0096	522.0124	Culvert Pipe Reinforced Concrete Class III 24-Inch	LF	248.000	248.000
0098	522.0130	Culvert Pipe Reinforced Concrete Class III 30-Inch	LF	116.000	116.000

5845-16-75

Line	Item	Item Description	Unit	Total	Qty
0100	522.0136	Culvert Pipe Reinforced Concrete Class III 36-Inch	LF	222.000	222.000
0102	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	7.000	7.000
0104	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	1.000	1.000
0106	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	5.000	5.000
0108	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	2.000	2.000
0110	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	4.000	4.000
0112	522.2414	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 14x23-Inch	LF	76.000	76.000
0114	522.2419	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	LF	68.000	68.000
0116	522.2614	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 14x23-Inch	EACH	2.000	2.000
0118	522.2619	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	EACH	2.000	2.000
0120	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	226.000	226.000
0122	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	1,716.000	1,716.000
0124	601.0551	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type A	LF	6,572.000	6,572.000
0126	601.0553	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	LF	205.000	205.000
0128	601.0581	Concrete Curb & Gutter 4-Inch Sloped 30-Inch Type R	LF	320.000	320.000
0130	602.0410	Concrete Sidewalk 5-Inch	SF	14,670.000	14,670.000
0132	602.0810	Concrete Driveway 6-Inch	SY	28.000	28.000
0134	602.3210	Concrete Rumble Strips, Shoulder Divided Roadway	LF	7,810.000	7,810.000
0136	602.3220	Concrete Rumble Strips, Shoulder	LF	13,680.000	13,680.000
0138	602.3260	Concrete Rumble Strips, Centerline	LF	7,140.000	7,140.000
0140	606.0100	Riprap Light	CY	48.000	48.000
0142	606.0200	Riprap Medium	CY	126.000	126.000
0144	606.0300	Riprap Heavy	CY	59.000	59.000
0146	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	384.000	384.000
0148	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	178.000	178.000
0150	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	50.000	50.000
0152	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	431.000	431.000
0154	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	10.000	10.000
0156	611.0624	Inlet Covers Type H	EACH	9.000	9.000
0158	611.0627	Inlet Covers Type HM	EACH	15.000	15.000
0160	611.0636	Inlet Covers Type HM-S	EACH	2.000	2.000
0162	611.0639	Inlet Covers Type H-S	EACH	1.000	1.000
0164	611.0642	Inlet Covers Type MS	EACH	1.000	1.000
0166	611.0652	Inlet Covers Type T	EACH	2.000	2.000
0168	611.2005	Manholes 5-FT Diameter	EACH	1.000	1.000
0170	611.3004	Inlets 4-FT Diameter	EACH	9.000	9.000
0172	611.3225	Inlets 2x2.5-FT	EACH	1.000	1.000
0174	611.3230	Inlets 2x3-FT	EACH	18.000	18.000
0176	611.3901	Inlets Median 1 Grate	EACH	1.000	1.000
0178	614.2300	MGS Guardrail 3	LF	1,000.000	1,000.000
0180	614.2610	MGS Guardrail Terminal EAT	EACH	8.000	8.000
0182	618.0100	Maintenance and Repair of Haul Roads (project) 01. 5845-16-75	EACH	1.000	1.000
0184	619.1000	Mobilization	EACH	1.000	1.000
0186	620.0300	Concrete Median Sloped Nose	SF	626.000	626.000
0188	624.0100	Water	MGAL	1,151.800	1,151.800
0190	625.0100	Topsoil	SY	97,600.000	97,600.000
0192	627.0200	Mulching	SY	27,880.000	27,880.000
0194	628.1504	Silt Fence	LF	13,790.000	13,790.000
0196	628.1520	Silt Fence Maintenance	LF	27,550.000	27,550.000

5845-16-75

Line	Item	Item Description	Unit	Total	Qty
0198	628.1905	Mobilizations Erosion Control	EACH	12.000	12.000
0200	628.1910	Mobilizations Emergency Erosion Control	EACH	8.000	8.000
0202	628.2004	Erosion Mat Class I Type B	SY	78,300.000	78,300.000
0204	628.2006	Erosion Mat Urban Class I Type A	SY	17,200.000	17,200.000
0206	628.7005	Inlet Protection Type A	EACH	30.000	30.000
0208	628.7010	Inlet Protection Type B	EACH	1.000	1.000
0210	628.7015	Inlet Protection Type C	EACH	27.000	27.000
0212	628.7020	Inlet Protection Type D	EACH	12.000	12.000
0214	628.7504	Temporary Ditch Checks	LF	1,790.000	1,790.000
0216	628.7555	Culvert Pipe Checks	EACH	93.000	93.000
0218	628.7560	Tracking Pads	EACH	8.000	8.000
0220	628.7570	Rock Bags	EACH	396.000	396.000
0222	629.0210	Fertilizer Type B	CWT	91.000	91.000
0224	630.0130	Seeding Mixture No. 30	LB	5,134.000	5,134.000
0226	630.0175	Seeding Mixture No. 75	LB	18.800	18.800
0228	630.0300	Seeding Borrow Pit	LB	20.000	20.000
0230	630.0500	Seed Water	MGAL	2,763.000	2,763.000
0232	632.0101	Trees (species, root, size) 01. Tannenbaum Mugo Pine, CG, 3' HT	EACH	42.000	42.000
0234	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	27.000	27.000
0236	633.5200	Markers Culvert End	EACH	43.000	43.000
0238	634.0614	Posts Wood 4x6-Inch x 14-FT	EACH	29.000	29.000
0240	634.0616	Posts Wood 4x6-Inch x 16-FT	EACH	35.000	35.000
0242	634.0618	Posts Wood 4x6-Inch x 18-FT	EACH	19.000	19.000
0244	634.0620	Posts Wood 4x6-Inch x 20-FT	EACH	7.000	7.000
0246	637.2210	Signs Type II Reflective H	SF	419.600	419.600
0248	637.2220	Signs Type II Reflective SH	SF	13.500	13.500
0250	637.2230	Signs Type II Reflective F	SF	114.000	114.000
0252	638.2102	Moving Signs Type II	EACH	16.000	16.000
0254	638.2602	Removing Signs Type II	EACH	30.000	30.000
0256	638.3000	Removing Small Sign Supports	EACH	45.000	45.000
0258	642.5201	Field Office Type C	EACH	1.000	1.000
0260	643.0300	Traffic Control Drums	DAY	3,470.000	3,470.000
0262	643.0420	Traffic Control Barricades Type III	DAY	2,426.000	2,426.000
0264	643.0705	Traffic Control Warning Lights Type A	DAY	4,172.000	4,172.000
0266	643.0900	Traffic Control Signs	DAY	2,642.000	2,642.000
0268	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000
0270	643.5000	Traffic Control	EACH	1.000	1.000
0272	645.0105	Geotextile Type C	SY	195.000	195.000
0274	645.0120	Geotextile Type HR	SY	530.000	530.000
0276	645.0130	Geotextile Type R	SY	195.000	195.000
0278	645.0140	Geotextile Type SAS	SY	135.000	135.000
0280	645.0145.S	Geogrid Type SR-2	SY	135.000	135.000
0282	645.0220	Geogrid Type SR	SY	72,880.000	72,880.000
0284	646.2020	Marking Line Epoxy 6-Inch	LF	1,984.000	1,984.000
0286	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	52,265.000	52,265.000
0288	646.4040	Marking Line Grooved Wet Ref Epoxy 10-Inch	LF	1,921.000	1,921.000
0290	646.5020	Marking Arrow Epoxy	EACH	8.000	8.000
0292	646.5120	Marking Word Epoxy	EACH	2.000	2.000
0294	646.5220	Marking Symbol Epoxy	EACH	2.000	2.000

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Line	Item	Item Description	Unit	Total	Qty
0296	646.6120	Marking Stop Line Epoxy 18-Inch	LF	63.000	63.000
0298	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	69.000	69.000
0300	646.7120	Marking Diagonal Epoxy 12-Inch	LF	609.000	609.000
0302	646.8120	Marking Curb Epoxy	LF	294.000	294.000
0304	646.8220	Marking Island Nose Epoxy	EACH	6.000	6.000
0306	648.0100	Locating No-Passing Zones	MI	1.350	1.350
0308	650.4000	Construction Staking Storm Sewer	EACH	47.000	47.000
0310	650.4500	Construction Staking Subgrade	LF	18,033.000	18,033.000
0312	650.5000	Construction Staking Base	LF	1,453.000	1,453.000
0314	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	205.000	205.000
0316	650.6000	Construction Staking Pipe Culverts	EACH	17.000	17.000
0318	650.6501	Construction Staking Structure Layout (structure) 01. C-13-2093	EACH	1.000	1.000
0320	650.6501	Construction Staking Structure Layout (structure) 02. C-13-2094	EACH	1.000	1.000
0322	650.7000	Construction Staking Concrete Pavement	LF	16,580.000	16,580.000
0324	650.8501	Construction Staking Electrical Installations (project) 01. 5845-16-75	EACH	1.000	1.000
0326	650.9911	Construction Staking Supplemental Control (project) 01. 5845-16-75	EACH	1.000	1.000
0328	650.9920	Construction Staking Slope Stakes	LF	18,033.000	18,033.000
0330	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	1,414.000	1,414.000
0332	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	533.000	533.000
0334	652.0700.S	Install Conduit into Existing Item	EACH	1.000	1.000
0336	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	10.000	10.000
0338	654.0105	Concrete Bases Type 5	EACH	13.000	13.000
0340	654.0230	Concrete Control Cabinet Bases Type L30	EACH	1.000	1.000
0342	655.0610	Electrical Wire Lighting 12 AWG	LF	3,075.000	3,075.000
0344	655.0615	Electrical Wire Lighting 10 AWG	LF	7,987.000	7,987.000
0346	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. USH 51 & Mahoney Road	EACH	1.000	1.000
0348	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	11.000	11.000
0350	657.0322	Poles Type 5-Aluminum	EACH	11.000	11.000
0352	657.0710	Luminaire Arms Truss Type 4 1/2-Inch Clamp 12-FT	EACH	11.000	11.000
0354	659.1120	Luminaires Utility LED B	EACH	11.000	11.000
0356	659.2130	Lighting Control Cabinets 120/240 30-Inch	EACH	1.000	1.000
0358	680.0100	Public Land Survey Monument Verify and Reset	EACH	1.000	1.000
0360	690.0150	Sawing Asphalt	LF	287.000	287.000
0362	690.0250	Sawing Concrete	LF	335.000	335.000
0364	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	13,934.000	13,934.000
0366	740.0440	Incentive IRI Ride	DOL	8,517.000	8,517.000
0368	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,500.000	2,500.000
0370	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	3,520.000	3,520.000
0372	SPV.0060	Special 01. Research and Locate Existing Land Parcel Monuments	EACH	3.000	3.000
0374	SPV.0060	Special 02. Verify and Replace Existing Land Parcel Monuments	EACH	3.000	3.000
0376	SPV.0060	Special 03. Utility Line Opening (ULO)	EACH	3.000	3.000
0378	SPV.0060	Special 04. Temporary Lighting System Mahoney Road Roundabout	EACH	1.000	1.000
0380	SPV.0060	Special 05. Salvage and Reinstall Light Pole	EACH	2.000	2.000
0382	SPV.0090	Special 01. Pipe Underdrain (6-Inch) with Geotextile Fabric and Aggregate	LF	350.000	350.000
0384	SPV.0090	Special 02. Fence Chain Link 4.5-Ft, Animal Barrier	LF	4,619.000	4,619.000

3

CLEARING AND GRUBBING SUMMARY

CATEGORY	STATION		STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA
0010	691+00 NB	-	701+00 NB	RT/LT	10	10
	711+00 NB	-	721+00 NB	RT/LT	10	10
	722+00 NB	-	725+00 NB	LT	3	3
	727+00 NB	-	728+00 NB	RT	1	1
	731+00 NB	-	733+00 NB	RT	2	2
	745+00 NB	-	746+00 NB	LT	1	1
	749+00 NB	-	750+00 NB	LT	1	1
	756+00 NB	-	758+00 NB	RT/LT	2	2
	759+00 NB	-	763+00 NB	RT/LT	4	4
	782+00 NB	-	801+00 NB	RT/LT	19	19
	6+00 DC	-	7+00 DC	RT	1	1
	13+00 BK	-	16+00 BK	RT	3	3
				TOTALS	57	57

REMOVING CULVERTS

CATEGORY	STATION		STATION	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	APPROX. SIZE AND LENGTH
0010	703+65	-	704+43 SB	LT	1	24" X 78'
	704+05	-	704+86 NB	RT	1	24" X 80'
	704+16	-	704+31 NB	RT	1	42"x 27" X 28'
	704+38	-	704+80 NB	RT	1	24" X 68'
	722+57	-	722+90 NB	LT	1	18" X 33'
	724+19	-	724+82 NB	LT	1	18" X 63'
	727+04	-	727+04 NB	LT/RT	1	30" X 114'
	743+16	-	743+21 NB	LT/RT	1	36" X 89'
	748+38	-	748+70 NB	RT	1	18" X 33'
	748+66	-	749+02 NB	LT	1	18" X 36'
	756+71	-	756+73 NB	LT/RT	1	24" X 77'
	762+77	-	763+17 NB	RT	1	18" X 40'
	768+40	-	768+40 NB	LT/RT	2	42" X 95'
	782+93	-	783+36 NB	LT/RT	1	54" X 100'
	787+13	-	787+49 NB	LT	1	18" X 38'
	789+49	-	789+53 NB	LT	1	12" X 24'
	791+92	-	792+21 NB	RT	1	15" X 28'
	797+18	-	797+22 NB	LT/RT	1	24" X 140'
	801+38	-	801+69 NB	RT	1	18" X 30'
				TOTAL	20	

REMOVING CONCRETE PAVEMENT

CATEGORY	STATION		STATION	LOCATION	204.0100 SY
0010	688+02 NB	-	735+00 NB	RT/LT	13,900
	735+00 NB	-	785+71 NB	RT/LT	17,000
	785+71 NB	-	810+84 NB	RT/LT	7,920
				TOTAL	38,820

REMOVING FENCE

CATEGORY	STATION		STATION	LOCATION	204.0170 LF
0010	691+53 NB	-	692+03 NB	LT	58
	693+15 NB	-	700+32 NB	LT	707
	786+82 NB	-	790+92 NB	RT	409
	792+49 NB	-	792+85 NB	RT	62
				TOTAL	1,236

REMOVING CURB & GUTTER

CATEGORY	STATION		STATION	LOCATION	204.0150 LF
0010	688+02 NB	-	735+00 NB	RT/LT	730
	735+00 NB	-	785+71 NB	RT/LT	---
	785+71 NB	-	810+84 NB	RT/LT	130
				TOTAL	860

REMOVING CONCRETE SIDEWALK

CATEGORY	STATION		STATION	LOCATION	204.0155 SY
0010	688+02 NB	-	691+02 NB	LT	380

REMOVING BUSINESS SIGNS

CATEGORY	STATION	OFFSET	204.9060.S.01 EACH
0010	758+83 NB	27.3' LT	1

REMOVING INLETS

CATEGORY	STATION	OFFSET	204.0220 EACH
0010	712+75 SB	38 'LT	1
	789+36 NB	69 'LT	1
	789+53 NB	87 'LT	1
		TOTAL	3

REMOVING STORM SEWER

CATEGORY	STATION	LOCATION	204.0245.01 18-INCH OR LESS LF	204.0245.02 24-INCH TO 30-INCH LF
0010	712+33 - 712+38 NB	LT/RT	-	110
	789+36 - 789+53 NB	RT	25	-
	788+79 - 789+53 NB	RT	80	-
		TOTALS	105	110

REMOVING PRIVATE LIGHT POLE

CATEGORY	STATION	OFFSET	204.9060.S.02 EACH
0010	761+88 NB	66.6' LT	1

3

DIVISION	FROM/TO STATION	LOCATION	205.0100 EXCAVATION COMMON (1) CUT (2)	205.0100 EXCAVATION COMMON (1) EBS EXCAVATION	SALVAGED/UNUSABLE PAVEMENT MATERIAL	AVAILABLE MATERIAL (3)	205.0400 MARSH EXCAVATION	205.0200 ROCK EXCAVATION	REDUCED EBS IN FILL (4) FACTOR 0.80	EXPANDED MARSH BACKFILL (5) FACTOR 1.50	EXPANDED ROCK FACTOR 1.15	UNEXPANDED FILL	EXPANDED FILL (6) FACTOR 1.25	MASS ORDINATE +/- (7)	WASTE	*312.0110 SELECT CRUSHED MATERIAL	*624.0100 Water
DIVISION 1																	
NB	688+05.00/809+56.29	LT/RT	42,708	2,819	7,365	35,343	472	622	2,154	708	436	12,282	15,353	21,872		5,390	200.0
SB	689+23.79/722+40.77	LT/RT	12,780	637	1,105	11,675	0	0	510	0	0	4,904	6,130	6,055		1,210	51.0
DY	10+79.00/13+97.67	LT/RT	2,012	100	0	2,012	0	0	80	0	0	2,166	2,708	-616		190	8.0
DC	5+34.77/8+23.61	LT/RT	2,163	109	0	2,163	0	0	87	0	0	115	144	2,106		207	8.7
BK	10+18.50/17+01.85	LT/RT	3,078	153	0	3,078	0	0	122	0	0	45	56	3,144		290	12.0
MA	10+00.00/13+33.01	LT/RT	698	33	214	484	0	0	26	0	0	1,438	1,798	-1,287		63	2.7
MB	10+00.00/16+50.00	LT/RT	1,280	64	346	934	631	0	0	947	0	3,273	4,091	-4,104		200	6.7
MG	782+28.13/796+37.60	LT/RT	2,376	117	826	1,550	0	0	94	0	0	572	715	929		220	9.4
MH	11+50.00/16+27.01	LT/RT	1,117	57	0	1,117	0	0	46	0	0	29	36	1,126		110	4.5
ME	10+00.00/13+63.12	LT/RT	692	34	0	692	0	0	27	0	0	6	8	712		65	2.8
BK DWY 1	10+10.00/11+47.49	LT/RT	234	0	0	234	0	0	0	0	0	0	0	234		0	1.0
BK DWY 2	10+10.07/11+26.90	LT/RT	181	0	0	181	0	0	0	0	0	1	1	180		0	1.0
DIVISION 1 SUBTOTAL			69,319	4,123	9,856	59,463	1,103	622	3,146	1,655	436	24,831	31,038	30,352	0	7,945	307.8
GRAND TOTAL			69,319	4,123	9,856	59,463	1,103	622	3,146	1,655	436	24,831	31,038	30,352	0	7,945	307.8
TOTAL COMMON EXC			73,442														

*ADDITIONAL QUANTITY LISTED ELSEWHERE

3

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) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL
(4) REDUCED EBS IN FILL: EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE WHEN PROPOSED SLOPES ARE FLATTER THAN 3:1. EBS IN FILL REDUCTION FACTOR = .80
(5) EXPANDED MARSH BACKFILL: THIS IS TO BE FILLED WITH SUITABLE EMBANKMENT MATERIAL
(6) EXPANDED FILL = (UNEXPANDED FILL)*EXPANDED FILL FACTOR. EXPANDED FILL FACTOR = 1.25
(7) MASS ORDINATE: MASS ORDINATE = AVAILABLE MATERIAL + REDUCED EBS IN FILL - EXPANDED MARSH BACKFILL - EXPANDED FILL

BASE AGGREGATE SUMMARY

CATEGORY	STATION		STATION		LOCATION	305.0110* BASE AGGREGATE DENSE 3/4-INCH TON	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110* SELECT CRUSHED MATERIAL TON	645.0220 GEOGRID TYPE SR SY	624.0100* WATER MGAL
0010	688+02	NB	735+00	NB	RT/LT	930	13,400	19,600	30,800	320
	735+00	NB	785+71	NB	RT/LT	880	11,300	16,600	26,400	270
	785+71	NB	810+84	NB	RT/LT	330	6,050	9,460	14,900	140
	5+35	DC	7+00	DC	RT/LT	49	880	---	---	20
	10+79	DY	13+98	DY	RT/LT	60	830	---	---	20
	11+50	MH	15+50	MH	RT/LT	30	850	500	780	19
	10+19	BK	16+83	BK	RT/LT	170	2,330	---	---	55
					TOTALS	2,449	35,640	46,160	72,880	844

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

DRIVEWAY SUMMARY

CATEGORY	STATION		STATION	LOCATION	305.0110* BASE AGGREGATE DENSE 3/4-INCH TON	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	465.0120 ASPHALTIC DRIVEWAYS FIELD ENTRANCES TON	602.0810 CONCRETE DRIVEWAY 6-INCH SY
0010	722+71	NB		LT	---	28	14	---
	724+49	NB		LT	33	---	---	---
	729+73	NB		RT	10	---	---	---
	748+52	NB		RT	15	---	---	---
	748+79	NB		LT	25	---	---	---
	762+19	NB		LT	---	56	28	---
	762+94	NB		RT	34	---	---	---
	787+33	NB		LT	17	---	---	---
	792+80	NB		RT	83	16	8	---
	801+57	NB		RT	11	---	---	---
	807+27	NB		RT	11	---	---	---
	807+53	NB		LT	10	---	---	---
	810+41	NB		LT	22	---	---	---
	12+21	MH		RT	---	7	---	20
	13+75	MH		RT	12	3	1	8
	13+03	BK		RT	---	96	48	---
	13+61	BK		RT	---	109	55	---
	15+10	BK		RT	---	42	21	---
	16+30	BK		RT		42	14	---
				TOTALS	284	397	190	28

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE PAVEMENT SUMMARY

CATEGORY	STATION		STATION	LOCATION	405.0100* COLORING CONCRETE WISDOT RED CY	415.0080 CONCRETE PAVEMENT 8-INCH SY	415.2010 CONCRETE TRUCK APRON 12-INCH SY	415.4100 CONCRETE PAVEMENT JOINT FILLING SY	415.6000.S ROUT AND SEAL LF
0010	688+02	NB	735+00 NB	RT/LT	---	20,040	---	505	8,600
	735+00	NB	785+71 NB	RT/LT	---	15,980	---	---	10,140
	785+71	NB	810+84 NB	RT/LT	177	9,430	532	3,060	3,750
	11+50	MH	15+50 MH	RT/LT	---	474	---	583	83
				TOTALS	177	45,924	532	4,148	22,573

*ADDITIONAL QUANTITIES LISTED ELSEHWERE

CONCRETE PAVEMENT GAPS

CATEGORY	LOCATION	415.0210 EACH
0010	UNDISTRIBUTED	3

DRILLED TIE BARS

CATEGORY	STATION - STATION	LOCATION	416.0610 EACH
0010	809+56 NB - 810+84 NB	RT	51

DRILLED DOWEL BARS

CATEGORY	STATION	LOCATION	416.0620 EACH
0010	688+02 NB	RT	16
	689+24 SB	LT	16
	809+56 NB	RT	10
	810+84 NB	LT	24
		TOTAL	66

ASPHALTIC ITEMS

CATEGORY	STATION		STATION		LOCATION	455.0605 TACK COAT GAL	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON
0010	688+02	NB -	735+00	NB	RT/LT	286	1,280	---
	735+00	NB -	785+71	NB	RT/LT	361	1,620	---
	785+71	NB -	810+84	NB	RT/LT	128	572	---
	5+35	DC -	7+00	DC	RT/LT	52	---	233
	10+79	DY -	13+98	DY	RT/LT	44	---	196
	11+50	MH -	15+50	MH	RT/LT	52	10	251
	10+19	BK -	16+83	BK	RT/LT	124	---	557
					TOTALS	1,047	3,482	1,237

CONCRETE SIDEWALK SUMMARY

CATEGORY	STATION		STATION	LOCATION	602.0410 CONCRETE SIDEWALK 5-INCH SF	405.0100* COLORING CONCRETE WISDOT RED CY
0010	688+02 NB	-	735+00 NB	RT/LT	4,330	21
	735+00 NB	-	785+71 NB	RT/LT	---	---
	785+71 NB	-	810+84 NB	RT/LT	8,050	---
	11+50 MH	-	15+50 MH	RT/LT	2,290	---
				TOTALS	14,670	21

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

MGS GUARDAIL SUMMARY

CATEGORY	STATION		STATION	LOCATION	614.2300 3 LF	614.2610 TERMINAL EAT EACH
0010	766+15 NB	-	770+91 NB	RT/LT	500	4
	780+51 NB	-	785+48 NB	RT/LT	500	4
				TOTALS	1,000	8

CONCRETE CURB AND CONCRETE CURB & GUTTER SUMMARY

CATEGORY	STATION		STATION	LOCATION	601.0405 18-INCH TYPE A LF	601.0409 30-INCH TYPE A LF	601.0551 4-INCH SLOPED 36-INCH TYPE A LF	601.0553 4-INCH SLOPED 36-INCH TYPE D LF	601.0581 4-INCH SLOPED 30-INCH TYPE R LF
0010	688+02 NB	-	735+00 NB	RT/LT	---	243	5,260	---	---
	735+00 NB	-	785+71 NB	RT/LT	---	---	---	---	---
	785+71 NB	-	810+84 NB	RT/LT	226	1,200	1,110	---	320
	11+50 MH	-	15+50 MH	RT/LT	---	273	202	205	---
				TOTALS	226	1,716	6,572	205	320

CONCRETE RUMBLE STRIPS,

CATEGORY	STATION		STATION	LOCATION	602.3210 SHOULDER DIVIDED ROADWAY LF	602.3220 SHOULDER LF	602.3260 CENTERLINE LF
0010	688+02 NB	-	735+00 NB	RT/LT	5,840	2,390	1,300
	735+00 NB	-	785+71 NB	RT/LT	690	9,170	4,730
	785+71 NB	-	810+84 NB	RT/LT	1,280	2,120	1,110
				TOTALS	7,810	13,680	7,140

ASPHALTIC FLUMES

CATEGORY	STATION	LOCATION	465.0315 ASPHALTIC FLUMES SY	606.0100 RIPRAP LIGHT CY	645.0130 GEOTEXTILE FABRIC TYPE R SY
0010	705+26 NB	35' RT	26	12	47
	787+19 NB	16' RT	11	6	24
	787+12 NB	47' LT	13	3	12
	10+85 DY	17' RT	10	18	72
	10+83 DY	18' LT	12	7	30
	11+95 MH	17' RT	6	2	10
		TOTALS	78	48	195

CONCRETE MEDIAN SLOPED NOSE

CATEGORY	STATION	LOCATION	620.0300 SF	REMARKS
0010	705+61 NB	LT	66	TYPE 1
	706+40 NB	LT	65	TYPE 1
	715+55 NB	LT	70	TYPE 1
	785+73 NB	LT	73	TYPE 1
	788+43 NB	LT	28	TYPE 2
	788+44 NB	LT	37	TYPE 2
	789+11 NB	LT	27	TYPE 2
	789+44 NB	LT	34	TYPE 2
	789+82 NB	LT	43	TYPE 2
	789+91 NB	LT	28	TYPE 2
	792+38 NB	LT	72	TYPE 1
	14+07 MH	LT	83	TYPE 1
		TOTAL	626	

STORM SEWER PIPE REINFORCED CONCRETE

CATEGORY	FROM STRUCTURE	TO STRUCTURE	608.0312 12-INCH LF	608.0318 CLASS III 18-INCH LF	608.0324 24-INCH LF	608.0412 CLASS IV 12-INCH LF	608.0415 CLASS IV 15-INCH LF
0010	590	591	20	---	---	---	---
	591	592	---	---	---	51	---
	595	596	---	---	---	48	---
	601	600	---	---	---	38	---
	602	601	---	---	---	19	---
	611	610	---	---	---	51	---
	612	611	---	---	---	10	---
	631	630	---	---	---	40	---
	632	631	---	---	---	7	---
	702	700	39	---	---	---	---
	704	702	9	---	---	---	---
	712	710	---	---	21	---	---
	714	712	37	---	---	---	---
	720	712	---	---	29	---	---
	722	722	10	---	---	---	---
	732	730	---	---	---	---	10
	734	732	---	---	---	37	---
	736	734	---	---	---	9	---
	738	734	---	---	---	31	---
	740	739	---	---	---	53	---
	741	740	---	---	---	9	---
	742	738	---	---	---	28	---
	750	720	---	106	---	---	---
	752	750	11	---	---	---	---
	754	752	22	---	---	---	---
	756	750	---	27	---	---	---
	758	756	---	21	---	---	---
	760	758	---	10	---	---	---
	762	760	---	14	---	---	---
	764	758	236	---	---	---	---
	TOTALS		384	178	50	431	10

PIPE UNDERDRAIN SUMMARY

CATEGORY	INLET	SPV.0090.01 PIPE UNDERDRAIN (6-INCH) WITH GEOTEXTILE FABRIC AND AGGREGATE LF
0010	590	50
	720	50
	722	50
	741	45
	742	75
	758	50
	760	30
	TOTAL	350

MANHOLES AND INLETS SUMMARY

CATEGORY	STRUCTURE NUMBER	STATION		OFFSET	611.2005 MANHOLES 5-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3225 INLETS 2X2.5-FT EACH	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0636 INLET COVERS TYPE HM-S EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0652 INLET COVERS TYPE T EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	590	690+60.0	NB	5.5 'LT	---	1	---	---	---	---	1	---	---	---	---	1
	591	690+40.0	NB	5.5 'LT	---	1	---	---	---	---	1	---	---	---	---	1
	595	694+10.0	NB	5.5 'LT	---	1	---	---	---	---	1	---	---	---	---	1
	601	697+70.0	NB	24.5 'LT	---	1	---	---	---	---	1	---	---	---	---	1
	602	697+70.0	NB	5.5 'LT	---	1	---	---	---	---	1	---	---	---	---	1
	611	706+48.0	NB	15.9 'LT	---	1	---	---	---	---	1	---	---	---	---	1
	612	706+48.0	NB	6.3 'LT	---	1	---	---	---	---	1	---	---	---	---	1
	631	715+42.0	NB	12.8 'LT	---	1	---	---	---	---	1	---	---	---	---	1
	632	715+42.0	NB	5.5 'LT	---	1	---	---	---	---	1	---	---	---	---	1
	702	785+86.0	NB	5.0 'LT	---	1	---	---	---	---	1	---	---	---	---	1
	704	785+86.0	MG	1.5 'RT	---	1	---	---	---	---	1	---	---	---	---	1
	712	11+31.0	MC	1.5 'RT	---	---	1	---	---	---	1	---	---	---	---	1
	714	13+13.0	MA	21.5 'LT	---	1	---	---	---	1	---	---	---	---	---	1
	720	12+80.0	MA	1.2 'RT	1	---	---	---	---	---	---	---	---	---	1	1
	722	12+90.3	MA	1.2 'RT	---	---	---	---	1	---	---	---	---	---	1	1
	732	11+85.0	MF	1.5 'LT	---	---	1	---	---	1	---	---	---	---	---	1
	734	10+66.0	MA	21.5 'LT	---	1	---	---	---	1	---	---	---	---	---	1
	736	16+15.0	MH	1.5 'LT	---	---	1	---	---	1	---	---	---	---	---	1
	738	13+50.0	ME	1.5 'RT	---	1	---	---	---	1	---	---	---	---	---	1
	740	11+54.0	ME	1.5 'RT	---	---	1	---	---	---	1	---	---	---	---	1
	741	14+20.0	MH	3.0 'LT	---	1	---	---	---	---	1	---	---	---	---	1
	742	11+36.5	MD	1.5 'LT	---	---	1	---	---	---	---	---	1	---	---	1
	750	11+75.0	MA	21.5 'LT	---	---	1	---	---	1	---	---	---	---	---	1
	752	789+90.0	NB	13.2 'RT	---	---	1	---	---	1	---	---	---	---	---	1
	754	12+80.0	MC	1.5 'RT	---	1	---	---	---	1	---	---	---	---	---	1
	756	790+16.0	MG	1.5 'RT	---	1	---	---	---	1	---	---	---	---	---	1
	758	12+12.0	MD	1.5 'LT	---	---	1	---	---	---	---	1	---	---	---	1
	760	12+01.8	MD	1.5 'LT	---	---	1	---	---	---	---	1	---	---	---	1
	762	12+04.0	MD	15.1 'LT	---	---	---	1	---	---	---	---	---	1	---	1
	764	792+60.0	MG	17.5 'LT	---	1	---	---	---	---	1	---	---	---	---	1
	TOTALS				1	18	9	1	1	9	15	2	1	1	2	30

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CULVERT PIPE SUMMARY

CATEGORY	FROM STRUCTURE	TO STRUCTURE	522.0124 CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	522.0130 CULVERT PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	522.0136 CULVERT PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	522.2414 HORIZONTAL ELLIPTICAL CLASS HE-IV 14X23-INCH LF	522.2419 HORIZONTAL ELLIPTICAL CLASS HE-IV 19X30-INCH LF	520.3412 CULVERT PIPE CLASS III-A NON-METAL 12-INCH LF	520.3418 CULVERT PIPE CLASS III-A NON-METAL 18-INCH LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH
0010	5	5 O	132	---	---	---	---	---	---	1
	7C	7C O	---	---	---	---	---	---	48	1
	8A	8A O	---	---	---	---	---	---	30	1
	10	10 O	---	---	---	---	---	---	36	1
	11	11 O	---	---	---	---	68	---	---	1
	12B	12B O	---	---	---	---	---	---	40	1
	13A	13A O	---	---	84	---	---	---	---	1
	13B	13B	---	---	---	---	---	---	38	1
	13C	13C O	---	---	---	---	---	---	54	1
	13D	13D O	---	---	---	---	---	---	26	1
	14	14 O	---	116	---	---	---	---	---	1
	15	15 O	---	---	138	---	---	---	---	1
	16	16 O	116	---	---	---	---	---	---	1
	784	786	---	---	---	76	---	---	---	1
	788	790	---	---	---	---	---	34	---	1
	792	794	---	---	---	---	---	44	---	1
	796	798	---	---	---	---	---	48	---	1
	TOTALS		248	116	222	76	68	126	272	17

NOTE: QUANTITIES ROUNDED UP TO THE NEAREST EVEN NUMBER

APRON ENDWALLS AND RIPRAP SUMMARY

CATEGORY	STRUCT. NO.	STATION		OFFSET	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1015 15-INCH EACH	522.1024 24-INCH EACH	522.1030 30-INCH EACH	522.1036 36-INCH EACH	522.2614 HORIZONTAL ELLIPTICAL 14X23-INCH EACH	522.2619 19X30-INCH EACH	520.1012 APRON ENDWALLS FOR CULVERT 12-INCH EACH	520.1018 18-INCH EACH	633.5200 MARKERS CULVERT END EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	606.0200 RIPRAP MEDIUM CY	645.0120 GEOTEXTILE TYPE HR SY
0010	5	797+20.0	NB	61.7 'LT	---	---	1	---	---	---	---	---	---	1	-	-	-
	5 O	797+20.0	NB	70.3 'RT	---	---	1	---	---	---	---	---	---	1	-	8	25
	7C	787+66.8	MG	48.1 'LT	---	---	---	---	---	---	---	---	1	1	-	-	-
	7C O	787+18.1	MG	49.0 'LT	---	---	---	---	---	---	---	---	1	1	-	-	-
	8A	801+68.6	NB	34.1 'RT	---	---	---	---	---	---	---	---	1	1	-	-	-
	8A O	801+38.7	NB	36.5 'RT	---	---	---	---	---	---	---	---	1	1	-	-	-
	10	762+77.4	NB	44.9 'RT	---	---	---	---	---	---	---	---	1	1	-	-	-
	10 O	763+13.4	NB	44.4 'RT	---	---	---	---	---	---	---	---	1	1	-	-	-
	11	756+75.0	NB	30.2 'LT	---	---	---	---	---	---	1	---	---	1	-	-	-
	11 O	756+75.0	NB	37.8 'RT	---	---	---	---	---	---	1	---	---	1	-	12	34
	12B	748+73.4	NB	34.3 'RT	---	---	---	---	---	---	---	---	1	1	-	-	-
	12B O	748+33.4	NB	34.1 'RT	---	---	---	---	---	---	---	---	1	1	-	-	-
	13A	743+17.0	NB	42.5 'LT	---	---	---	---	1	---	---	---	---	1	-	-	-
	13A O	743+17.0	NB	41.5 'RT	---	---	---	---	1	---	---	---	---	1	-	17	46
	13B	749+02.0	NB	34.4 'LT	---	---	---	---	---	---	---	---	1	1	-	-	-
	13B O	748+64.0	NB	33.9 'LT	---	---	---	---	---	---	---	---	1	1	-	-	-
	13C	724+23.6	NB	60.1 'LT	---	---	---	---	---	---	---	---	1	1	-	-	-
	13C O	724+77.5	NB	63.2 'LT	---	---	---	---	---	---	---	---	1	1	-	-	-
	13D	722+60.4	NB	46.7 'LT	---	---	---	---	---	---	---	---	1	1	-	-	-
	13D O	722+86.4	NB	48.2 'LT	---	---	---	---	---	---	---	---	1	1	-	-	-
	14	727+02.0	NB	51.8 'RT	---	---	---	1	---	---	---	---	---	1	-	-	-
	14 O	727+02.0	NB	64.2 'LT	---	---	---	1	---	---	---	---	---	1	-	12	34
	15	712+38.0	NB	78.1 'LT	---	---	---	---	1	---	---	---	---	1	-	-	-
	15 O	712+27.0	NB	59.4 'RT	---	---	---	---	1	---	---	---	---	1	-	17	46
	16	706+48.7	NB	90.2 'RT	---	---	1	---	---	---	---	---	---	1	-	-	-
	16 O	705+33.0	NB	99.3 'RT	---	---	1	---	---	---	---	---	---	1	-	8	25
	592	690+30.0	NB	44.8 'RT	1	---	---	---	---	---	---	---	---	1	1	5	16
	596	693+99.4	NB	41.0 'RT	1	---	---	---	---	---	---	---	---	1	1	4	13
	600	697+70.0	NB	62.3 'LT	1	---	---	---	---	---	---	---	---	1	1	4	13
	610	706+48.0	NB	67.1 'LT	1	---	---	---	---	---	---	---	---	1	1	4	13
	630	715+42.0	NB	52.5 'LT	1	---	---	---	---	---	---	---	---	1	1	4	13
	700	785+86.0	NB	33.6 'RT	1	---	---	---	---	---	---	---	---	1	1	5	16
	710	11+31.0	MC	22.5 'RT	---	---	1	---	---	---	---	---	---	1	1	10	28
	730	11+85.0	MF	11.3 'LT	---	1	---	---	---	---	---	---	---	1	1	4	15
	739	11+09.6	ME	27.7 'LT	1	---	---	---	---	---	---	---	---	1	1	4	13
	784	13+07.4	MH	48.9 'LT	---	---	---	---	---	1	---	---	---	1	1	-	-
	786	12+33.2	MH	41.4 'LT	---	---	---	---	---	1	---	---	---	1	1	8	25
	788	13+23.1	BK	32.6 'RT	---	---	---	---	---	---	---	1	---	1	1	-	-
	790	12+89.1	BK	32.3 'RT	---	---	---	---	---	---	---	1	---	1	1	-	-
	792	13+80.3	BK	30.1 'RT	---	---	---	---	---	---	---	1	---	1	1	-	-
	794	13+42.1	BK	31.3 'RT	---	---	---	---	---	---	---	1	---	1	1	-	-
	796	16+20.1	BK	66.3 'RT	---	---	---	---	---	---	---	1	---	1	1	-	-
	798	16+61.4	BK	83.7 'RT	---	---	---	---	---	---	---	1	---	1	1	-	-
	TOTALS				7	1	5	2	4	2	2	6	14	43	17	126	375

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

FINISHING SUMMARY

CATEGORY	STATION	-	STATION	LOCATION	* 625.0100 TOPSOIL SY	627.0200 MULCHING SY	* 629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0300 SEEDING BORROW PIT LB	630.0500 SEED WATER MGAL
0010	708+36 NB	-	735+00 NB	LT/RT	44,300	---	31.0	2,230	---	1,200
	735+00 NB	-	785+71 NB	LT/RT	14,400	---	12.0	850	---	450
	781+71 NB	-	810+96 NB	LT/RT	11,300	---	8.3	590	---	320
	11+50 MH	-	15+50 MH	LT/RT	1,270	---	1.0	74	---	40
	10+85 BK	-	17+03 BK	LT/RT	3,360	---	2.5	180	---	97
	11+00 DY	-	13+97 DY	LT/RT	3,450	---	2.5	180	---	96
				WASTE SITE	---	22,300	14.0	---	10	---
				UNDISTRIBUTED	19,520	5,580	20	1,030	10	560
				TOTALS	97,600	27,880	91	5,134	20	2,763

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

SILT FENCE

CATEGORY	STATION	-	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
0010	708+36 NB	-	735+00 NB	LT/RT	2,150	4,290
	735+00 NB	-	785+71 NB	LT/RT	6,650	13,300
	781+71 NB	-	810+96 NB	LT/RT	2,230	4,450
				UNDISTRIBUTED	2,760	5,510
				TOTALS	13,790	27,550

EROSION MAT

CATEGORY	STATION	-	STATION	LOCATION	628.2004 CLASS I TYPE B SY	628.2006 URBAN CLASS I TYPE A SY
0010	708+36 NB	-	735+00 NB	LT/RT	40,500	3,770
	735+00 NB	-	785+71 NB	LT/RT	8,640	5,730
	781+71 NB	-	810+96 NB	LT/RT	7,390	3,900
	11+50 MH	-	15+50 MH	LT/RT	820	450
	10+85 BK	-	17+03 BK	LT/RT	3,360	---
	11+00 DY	-	13+97 DY	LT/RT	3,450	---
				UNDISTRIBUTED	14,140	3,350
				TOTALS	78,300	17,200

INLET PROTECTION

CATEGORY	STATION	LOCATION	628.7005 TYPE A EACH	628.7010 TYPE B EACH	628.7015 TYPE C EACH	628.7020 TYPE D EACH
0010	685+90 NB	LT	---	---	1	---
	686+50 NB	LT/RT	---	---	4	---
	687+05 NB	RT	---	---	1	---
	687+50 NB	LT	---	---	4	---
	690+50 NB	LT	2	---	2	---
	694+05 NB	LT	1	---	1	---
	697+70 NB	LT	2	---	2	---
	706+50 NB	LT	2	---	---	2
	715+45 NB	LT	2	---	---	2
	785+85 NB	LT	2	---	2	---
	788+50 NB	LT/RT	2	---	2	---
	788+75 NB	LT/RT	3	---	---	3
	789+10 NB-789+60 NB	LT	4	---	3	1
	789+80 NB-790+00 NB	LT/RT	7	1	4	2
	792+40 NB	LT	1	---	1	---
	14+25 MH	LT	2	---	---	2
		TOTALS	30	1	27	12

3

CULVERT PIPE CHECKS

CATEGORY	STATION	LOCATION	628.7555 EACH
0010	687+00 NB	RT	10
	688+00 NB	LT	10
	706+50 NB	RT	3
	712+25 NB	LT	7
	722+50 NB	LT	2
	724+10 NB	LT	2
	727+00 NB	RT	5
	743+20 NB	LT	7
	748+75 NB	RT	2
	749+10 NB	LT	2
	756+75 NB	LT	5
	762+60 NB	RT	2
	787+50 NB	LT	2
	793+00 NB	RT	2
	797+25 NB	LT	3
	801+75 NB	RT	2
	13+20 MH	LT	4
	13+30 BK	RT	1
	13+90 BK	RT	1
	16+10 BK	RT	1
		UNDISTRIBUTED	20
		TOTAL	93

TRACKING PADS

CATEGORY	LOCATION	628.7560 EACH
0010	US 51 NB WORKZONE EXIT	2
	US 51 SB WORKZONE EXIT	2
	DYRESON CUL DE SAC EXIT	1
	DYRESON ROAD EXIT	1
	MAHONEY ROAD EXIT	1
	WASTE SITE	1
	TOTAL	8

MOBILIZATIONS EROSION CONTROL

CATEGORY	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	12	8

LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES

CATEGORY	PROJECT	632.9101 EACH	REMARKS
0020	5845-16-75	27	MAHONEY ROAD ROUNDABOUT

ROCK BAGS

CATEGORY	LOCATION	628.7570 EACH	REMARKS
0010	UNDISTRIBUTED	396	SILT FENCE RELIEF

TEMPORARY DITCH CHECKS

CATEGORY	STATION	-	STATION	LOCATION	628.7504 LF
0010	688+00 NB	-	735+00 NB	LT/RT	1060
	735+00 NB	-	785+71 NB	LT/RT	310
	785+71 NB	-	810+96	LT/RT	24
	11+50 MH	-	15+50 MH	LT/RT	24
	10+85 BK	-	17+03 BK	LT/RT	12
				UNDISTRIBUTED	360
				TOTAL	1,790

PLANTINGS

CATEGORY	STATION	-	STATION	630.0175 SEEDING MIXTURE NO. 75 LB	632.0101 TREES, TANNENBAUM MUGO PINE, CG, 3' HT EACH
0020	651+00 NB	-	662+00 NB	18.8	42

PLANT DATA CHART (FOR INFORMATION ONLY)

COMMON NAME	SCIENTIFIC NAME	TYPE	AVERAGE MATURE HEIGHT	PLANTING SIZE	ROOT ZONE MODE	ROOT SPREAD	BALL/POT DIAMETER	BALL/POT DETH	PLANT HOLE DIAMETER	PLANT HOLE DEPTH	BRACE OR GUY	FERTILIZER UNITS REQUIRED	RODENT PROTECTION REQUIRED	MULCH RING DIMENSIONS
TANNENBAUM MUGO PINE	PINUS MUGO VAR. TANNENBAUM	4	12'	3' HT	CG	---	14"	9"	38"	9"	GUY	3	N/A	50"

PERMANENT SIGNING SUMMARY

CATEGORY	DESCRIPTION	SIGN NO.	APPROX. STA.	LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2220 SIGNS TYPE II REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0614 POSTS WOOD 4x6-INCH x 14-FT EACH	634.0616 x 16-FT EACH	634.0618 x 18-FT EACH	634.0620 x 20-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
0010	USH 51																	
		E1 - 01	693+00 NB	LT	---	---	102 x 78	---	---	---	---	---	---	2	1	---	3	
		E1 - 02	692+60 NB	RT	---	---	30 x 18	---	---	---	1	---	---	---	1	---	1	
		E1 - 03	690+90 NB	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E1 - 04	690+90 NB	RT	---	---	24 x 30	---	---	---	1	---	---	---	1	---	1	
		E1 - 05	689+50 NB	RT	---	---	24 x 39	---	---	---	---	1	---	---	1	---	1	
		E1 - 06	688+40 NB	RT	---	---	30 x 30	---	---	---	---	1	---	---	1	---	1	
		E1 - 07	691+00 NB	MEDIAN	---	---	--- x ---	---	---	---	---	---	---	---	---	2	1	
		1 - 01	686+00 NB	LT	JR13-1	RUSTIC RD DIRECTIONAL	24 x 45	7.5	---	---	---	1	---	---	---	---	---	LEFT TURN ARROW
		1 - 02	687+00 NB	LT	JR13-1	RUSTIC RD DIRECTIONAL	24 x 45	7.5	---	---	---	1	---	---	---	---	---	DOUBLE ARROW
		1 - 03	691+10 NB	LT	JR13-1	RUSTIC RD DIRECTIONAL	24 x 45	7.5	---	---	---	1	---	---	---	---	---	RIGHT TURN ARROW
		1 - 04	---	RT	JR13-1	RUSTIC RD DIRECTIONAL	24 x 45	7.5	---	---	1	---	---	---	---	---	---	RIGHT ARROW
		E2 - 01	694+90 NB	LT	---	---	30 x 30	---	---	---	---	---	1	---	2	---	1	
		E2 - 02	697+10 NB	LT	---	---	48 x 39	---	---	---	---	1	---	---	1	---	1	
		E2 - 03	700+10 NB	LT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E2 - 04	697+10 NB	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E2 - 05	695+10 NB	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		2 - 01	696+30 NB	RT	JR13-1	RUSTIC RD DIRECTIONAL	24 x 45	7.5	---	---	---	1	---	---	---	---	---	
		E3 - 01	---	LT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E3 - 02	---	RT	---	---	30 x 36	---	---	---	---	1	---	---	1	---	1	MOVE FROM STA 6+80 DC
		E3 - 03	703+50 NB	LT	---	---	--- x ---	---	---	---	---	---	---	---	---	2	1	
		E3 - 04	703+40 NB	LT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E3 - 05	704+60 NB	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	2	1	
		E3 - 06	10+60 DY	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E3 - 07	11+50 DY	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	2	
		E3 - 08	704+60 NB		---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E3 - 09	11+75 DY	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		3 - 01	---	RT	W14-1	DEAD END	30 x 30	---	---	6.3	---	1	---	---	---	---	---	
		3 - 02	7+10 DC	LT	W5-56	END OF ROAD MARKER WITH RED TYPE SH SHEETING	18 x 18	---	2.3	---	1	---	---	---	---	---	---	
		3 - 03	7+10 DC	RT	W5-56	END OF ROAD MARKER WITH RED TYPE SH SHEETING	18 x 18	---	2.3	---	1	---	---	---	---	---	---	
		3 - 04	7+10 DC	RT	W5-56	END OF ROAD MARKER WITH RED TYPE SH SHEETING	18 x 18	---	2.3	---	1	---	---	---	---	---	---	
		3 - 05	704+80 NB	MEDIAN	R5-1	DO NOT ENTER	30 x 30	6.3	---	---	1	---	---	---	---	---	---	BOX OUT REQ'D
		3 - 06	705+50 NB	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.0	---	---	1	---	---	---	---	---	---	BOX OUT REQ'D
		3 - 07	706+00 NB	LT	R6-2L	ONE WAY LEFT ARROW	24 x 30	5.0	---	---	1	---	---	---	---	---	---	
		3 - 08	13+20 DY	RT	R12-55	_TON BRIDGE _MILES AHEAD	48 x 18	6.0	---	---	---	1	---	---	---	---	---	10 TON BRIDGE 1.5 MILES AHEAD
		3 - 09	706+50 NB	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.0	---	---	1	---	---	---	---	---	---	BOX OUT REQ'D
		3 - 10	703+20 NB	MEDIAN	R5-1A	WRONG WAY	36 x 24	6.0	---	---	1	---	---	---	---	---	---	BOX OUT REQ'D
		3 - 11	706+15 NB	RT	R6-1R	ONE WAY RIGHT ARROW	36 x 12	3.0	---	---	---	---	1	---	---	---	---	
		3 - 12	706+15 NB	RT	R1-1	STOP	36 x 36	7.5	---	---	1	---	---	---	---	---	---	
		3 - 13	706+15 NB	RT	R6-3A	DIVIDED HIGHWAY CROSSING T INTERSECTION	30 x 24	5.0	---	---	1	---	---	---	---	---	---	
		3 - 14	11+55 DY	RT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.0	---	---	---	---	1	---	---	---	---	45 MPH
		3 - 15	11+55 DY	RT	R12-53	WEIGHT LIMIT CLASS B	24 x 30	5.0	---	---	---	---	---	---	---	---	---	INSTALL BELOW SIGN 3-14
		3 - 16	706+20 NB	RT	JR13-1	RUSTIC RD DIRECTIONAL	24 x 45	7.5	---	---	---	1	---	---	---	---	---	
						SHEET TOTALS		103.7	6.8	6.3	13	11	3	2	9	16	24	

CON'T ON NEXT PAGE

PERMANENT SIGNING SUMMARY (CON'T)

CATEGORY	DESCRIPTION	SIGN NO.	APPROX. STA.	LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2220 SIGNS TYPE II REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0614 POSTS WOOD 4x6-INCH x 14-FT EACH	634.0616 x 16-FT EACH	634.0618 x 18-FT EACH	634.0620 x 20-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
0010	USH 51																	
		E4 - 01	712+00 NB	LT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		4 - 01	712+60 NB	LT	J13-1	DIRECTIONAL WITHOUT CARDINAL (1 HEADED ROUTE PANEL)	24 x 45	7.5	---	---	1	---	---	---	---	---	---	
		4 - 02	715+45 NB	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.0	---	---	---	1	---	---	---	---	---	BOX OUT REQ'D
		4 - 03	715+45 NB	MEDIAN	W5-54	CLEARANCE MARKER WITH YELLOW TYPE F SHEETING	18 x 18	---	---	2.3	---	---	---	---	---	---	---	INSTALL BELOW SIGN 4-02
		4 - 04	713+45 NB	RT	R5-1A	WRONG WAY	36 x 24	6.0	---	---	1	---	---	---	---	---	---	
		4 - 05	715+45 NB	RT	R5-1	DO NOT ENTER	30 x 30	6.3	---	---	---	1	---	---	---	---	---	
		4 - 06	709+80 NB	RT	R2-1	SPEED LIMIT_MPH	24 x 30	5.0	---	---	1	---	---	---	---	---	---	55 MPH
		5 - 01	721+75 NB	RT	W6-3	TWOWAY TRAFFIC SYMBOL	36 x 36	---	---	9.0	---	---	1	---	---	---	---	
		E8 - 01	742+90 NB	LT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E8 - 02	739+30 NB	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		8 - 01	739+00 NB	RT	W14-3	NO PASSING ZONE	48 x 36	---	---	6.0	---	---	2	---	---	---	---	
		8 - 02	743+00 NB	LT	W14-3	NO PASSING ZONE	48 x 36	---	---	6.0	---	---	2	---	---	---	---	
		E10 - 01	756+60 NB	LT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		10 - 01	756+60 NB	LT	W11-5	FARM MACHINERY SYMBOL	30 x 30	---	---	6.3	---	1	---	---	---	---	---	
		E11 - 01	765+70 NB	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E12 - 01	775+75 NB	LT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E13 - 01	784+31 NB	LT	---	---	30 x 36	---	---	---	---	1	---	---	1	---	1	MOVE TO STA. 777+00 NB LT
		E13 - 02	784+35 NB	RT	---	---	30 x 36	---	---	---	---	1	---	---	1	---	1	MOVE TO STA. 777+00 NB RT
		E13 - 03	777+40 NB	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		13 - 01	780+00 NB	RT	W14-3	NO PASSING ZONE	48 x 36	---	---	6.0	---	---	2	---	---	---	---	
		13 - 02	783+00 NB	LT	W6-3	TWOWAY TRAFFIC SYMBOL	36 x 36	---	---	9.0	---	---	1	---	---	---	---	
		13 - 03	779+75 NB	RT	W2-6	CIRCULAR INTERSECTION SIGN	30 x 30	---	---	6.3	---	1	---	---	---	---	---	
		13 - 04	779+75 NB	RT	W13-1	ADVISORY SPEED PLATE (YELLOW BACK)	18 x 18	---	---	2.3	---	---	---	---	---	---	---	20 MPH; INSTALL BELOW SIGN 13-03
		13 - 05	783+00 NB	RT	D1-62	ROUNDABOUT DESTINATION - DIRECTION SIGN	102 x 66	46.8	---	---	---	---	---	1	---	---	---	
		E14 - 02	16+60 MH	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E14 - 03	16+60 MH	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E14 - 04	16+10 MH	LT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		14 - 01	786+25 NB	LT	R2-1	SPEED LIMIT_MPH	24 x 30	5.0	---	---	---	1	---	---	---	---	---	55 MPH
		14 - 02	786+25 NB	LT	R5-1	DO NOT ENTER	30 x 30	6.3	---	---	---	---	---	---	---	---	---	INSTALL BACK TO BACK WITH SIGN 14-01
		14 - 03	787+60 NB	LT	J4-1	REASSURANCE ASSEMBLY (1 HEADED ROUTE PANEL)	24 x 36	6.0	---	---	---	---	---	---	---	---	---	SOUTH; USH SHIELD; ROUTE 51; INSTALL BACK TO BACK WITH SIGN 14-04
		14 - 04	787+60 NB	LT	R5-1A	WRONG WAY	36 x 24	6.0	---	---	1	---	---	---	---	---	---	
		14 - 05	788+45 NB	MEDIAN	D1-1	ONE DESTINATION (ARROW)	42 x 30	8.8	---	---	1	---	---	---	---	---	---	SOUTH USH 51; BOX OUT REQ'D
		14 - 06	16+15 MH	MEDIAN	R1-2	YIELD	36 x 31	3.9	---	---	---	1	---	---	---	---	---	BOX OUT REQ'D
		14 - 07	16+45 MH	RT	R1-2	YIELD	36 x 31	3.9	---	---	---	1	---	---	---	---	---	
		14 - 08	788+90 NB	LT	R6-1R	ONE WAY RIGHT ARROW	48 x 18	6.0	---	---	1	---	---	---	---	---	---	
		14 - 09	788+90 NB	RT	R6-1R	ONE WAY RIGHT ARROW	48 x 18	6.0	---	---	1	---	---	---	---	---	---	
		14 - 10	789+50 NB	LT	R6-1R	ONE WAY RIGHT ARROW	48 x 18	6.0	---	---	1	---	---	---	---	---	---	
		14 - 11	788+90 NB	LT	W5-54	CLEARANCE MARKER WITH YELLOW TYPE F SHEETING	18 x 18	---	---	2.3	---	---	---	---	---	---	---	INSTALL BELOW SIGN 14-08
		14 - 12	15+50 MH	LT	R5-1A	WRONG WAY	36 x 24	6.0	---	---	1	---	---	---	---	---	---	
		14 - 13	16+00 MH	LT	R12-53	WEIGHT LIMIT CLASS B	24 x 30	5.0	---	---	1	---	---	---	---	---	---	
		14 - 14	16+20 MH	MEDIAN	D1-1	ONE DESTINATION (ARROW)	84 x 15	8.8	---	---	2	---	---	---	---	---	---	MAHONEY RD; BOX OUT REQ'D
		14 - 15	789+80 NB	LT	R1-2	YIELD	36 x 31	3.9	---	---	---	1	---	---	---	---	---	
		14 - 16	789+90 NB	MEDIAN	R1-2	YIELD	36 x 31	3.9	---	---	---	1	---	---	---	---	---	BOX OUT REQ'D
		14 - 17	785+80 NB	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.0	---	---	---	1	---	---	---	---	---	BOX OUT REQ'D
		14 - 18	785+80 NB	MEDIAN	W5-54	CLEARANCE MARKER WITH YELLOW TYPE F SHEETING	18 x 18	---	---	2.3	---	---	---	---	---	---	---	INSTALL BELOW SIGN 14-17
		14 - 19	788+40 NB	MEDIAN	R1-2	YIELD	36 x 31	3.9	---	---	---	1	---	---	---	---	---	BOX OUT REQ'D
						SHEET TOTALS		170.6	0.0	57.5	12	13	8	1	2	10	12	

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PERMANENT SIGNING SUMMARY (CON'T)

CATEGORY	DESCRIPTION	SIGN NO.	APPROX. STA.	LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2220 SIGNS TYPE II REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0614 POSTS WOOD 4x6-INCH x 14-FT EACH	634.0616 POSTS WOOD 4x6-INCH x 16-FT EACH	634.0618 POSTS WOOD 4x6-INCH x 18-FT EACH	634.0620 POSTS WOOD 4x6-INCH x 20-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
0010	USH 51																	
		14 - 20	788+45 NB	RT	R1-2	YIELD	36 x 31	3.9	---	---	---	1	---	---	---	---	---	
		14 - 21	789+80 NB	RT	D1-1	ONE DESTINATION (ARROW)	42 x 30	8.8	---	---	1	---	---	---	---	---	---	NORTH USH 51; BOX OUT REQ'D
		14 - 22	790+80 NB	RT	J4-1	REASSURANCE ASSEMBLY (1 HEADED ROUTE PANEL)	24 x 36	6.0	---	---	---	1	---	---	---	---	---	NORTH; USH SHIELD; ROUTE 51; INSTALL BACK TO BACK WITH SIGN 14-28
		14 - 23	790+80 NB	RT	R5-1A	WRONG WAY	36 x 24	6.0	---	---	---	---	---	---	---	---	---	INSTALL BACK TO BACK WITH SIGN 14-22
		14 - 24	788+90 NB	LT	W5-54	CLEARANCE MARKER WITH YELLOW TYPE F SHEETING	18 18	---	---	2.3	---	---	---	---	---	---	---	
		14 - 25	789+50 NB	LT	W5-54	CLEARANCE MARKER WITH YELLOW TYPE F SHEETING	18 18	---	---	2.3	---	---	---	---	---	---	---	
		E15 - 01	795+80 NB	RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		15 - 01	792+25 NB	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.0	---	---	---	1	---	---	---	---	---	BOX OUT REQ'D
		15 - 02	792+25 NB	MEDIAN	W5-54	CLEARANCE MARKER WITH YELLOW TYPE F SHEETING	18 x 18	---	---	2.3	---	---	---	---	---	---	---	INSTALL BELOW SIGN 15-01
		15 - 03	795+40 NB	LT	D1-62	ROUNDABOUT DESTINATION - DIRECTION SIGN	102 x 66	46.8	---	---	---	---	---	2	---	---	---	
		15 - 04	797+40 NB	LT	W2-6	CIRCULAR INTERSECTION SIGN	30 x 30	---	---	6.3	---	---	1	---	---	---	---	
		15 - 05	797+40 NB	LT	W13-1	ADVISORY SPEED PLATE (YELLOW BACK)	18 x 18	---	---	2.3	---	---	---	---	---	---	---	20 MPH; INSTALL BELOW SIGN 15-04
		15 - 06	792+25 NB	RT	R5-1	DO NOT ENTER	30 x 30	6.3	---	---	---	1	---	---	---	---	---	INSTALL BACK TO BACK WITH SIGN 15-07
		15 - 07	792+25 NB	RT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.0	---	---	---	---	---	---	---	---	---	55 MPH, INSTALL BACK TO BACK WITH SIGN 15-06
		15 - 08	794+85 NB	RT	W6-3	TWOWAY TRAFFIC SYMBOL	36 x 36	---	---	9.0	---	---	1	---	---	---	---	
		E16 - 01	799+90 NB	LT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E20 - 01	806+75 NB	LT	---	---	30 x 30	---	---	---	---	1	---	---	1	---	1	
		E20 - 02	808+60 NB	RT	---	---	114 x 66	---	---	---	---	---	1	2	1	---	2	
		E20 - 03	807+45 NB	RT	---	---	30 x 30	---	---	---	---	1	---	---	1	---	1	
		E20 - 04	806+55 NB	RT	---	---	30 x 30	---	---	---	---	1	---	---	1	---	1	
		E20 - 05	806+55 NB	RT	---	---	18 x 18	---	---	---	---	---	---	---	1	---	---	
MAHONEY ROAD		E18 - 01		RT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		E18 - 02	15+00 MH	LT	---	---	--- x ---	---	---	---	---	---	---	---	---	1	1	
		18 - 01	11+50 MH	RT	W2-6	CIRCULAR INTERSECTION SIGN	30 x 30	---	---	6.3	---	---	1	---	---	---	---	
		18 - 02	11+50 MH	RT	W13-1	ADVISORY SPEED PLATE (YELLOW BACK)	18 x 18	---	---	2.3	---	---	---	---	---	---	---	20 MPH; INSTALL BELOW SIGN 18-01
		18 - 03		RT	J1-1	JUNCTION OR END ASSEMBLY	24 x 39	6.5	---	---	---	1	---	---	---	---	---	
		18 - 04	12+00 MH	LT	W6-3	TWOWAY TRAFFIC SYMBOL	36 x 36	---	---	9.0	---	---	1	---	---	---	---	
		18 - 05	12+45 MH	LT	R1-1	STOP	30 x 30	5.2	---	---	---	1	---	---	---	---	---	
		18 - 06	13+00 MH	LT	W14-1	DEAD END	30 x 30	---	---	6.3	---	---	1	---	---	---	---	
		18 - 07	13+50 MH	RT	D1-62	ROUNDABOUT DESTINATION - DIRECTION SIGN	102 x 42	29.8	---	---	---	---	2	---	---	---	---	
		18 - 08	14+15 MH	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.0	---	---	---	1	---	---	---	---	---	BOX OUT REQ'D
		18 - 09	14+15 MH	MEDIAN	W5-54	CLEARANCE MARKER WITH YELLOW TYPE F SHEETING	18 x 18	---	---	2.3	---	---	---	---	---	---	---	INSTALL BELOW SIGN 18-08
		18 - 10	14+15 MH	LT	R5-1	DO NOT ENTER	30 x 30	6.3	---	---	---	1	---	---	---	---	---	INSTALL BACK TO BACK WITH SIGN 18-11
		18 - 11	14+15 MH	LT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.0	---	---	---	---	---	---	---	---	---	45 MPH; INSTALL BACK TO BACK WITH SIGN 18-10
		18 - 12	16+90 BK	LT	W5-56	END OF ROAD MARKER WITH RED TYPE SH SHEETING	18 x 18	---	2.3	---	1	---	---	---	---	---	---	
		18 - 13	16+90 BK	---	W5-56	END OF ROAD MARKER WITH RED TYPE SH SHEETING	18 x 18	---	2.3	---	1	---	---	---	---	---	---	
		18 - 14	16+90 BK	RT	W5-56	END OF ROAD MARKER WITH RED TYPE SH SHEETING	18 x 18	---	2.3	---	1	---	---	---	---	---	---	
						SHEET TOTALS		145.3	6.8	50.3	4	11	8	4	5	4	9	
						GRAND TOTALS		419.6	13.5	114.0	29	35	19	7	16	30	45	

TRAFFIC CONTROL SUMMARY

CATEGORY	STAGE	DURATION DAYS	643.0300 DRUMS EACH	643.0300 DRUMS DAY	643.0420 BARRICADES TYPE III EACH	643.0420 BARRICADES TYPE III DAY	643.0705 WARNING LIGHTS TYPE A EACH	643.0705 WARNING LIGHTS TYPE A DAY	643.0900 SIGNS EACH	643.0900 SIGNS DAY	643.1050 SIGNS PCMS EACH	643.1050 SIGNS PCMS DAYS
0010	PCMS - PHASE 1	7	10	70	---	---	---	---	---	---	2	14
	ADVANCE WARNING - PHASE 1	108	---	---	13	1,404	22	2,376	15	1,620	---	---
	ADVANCE WARNING - PHASE 2	62	---	---	11	682	18	1,116	11	682	---	---
	LOCAL ACCESS - UNDISTRIBUTED	170	20	3,400	2	340	4	680	2	340	---	---
	TOTALS		3,470		2,426		4,172		2,642		14	

PAVEMENT MARKING ITEMS

CATEGORY	STATION		STATION		LOCATION	646.2020 MARKING LINE EPOXY 6-INCH (WHITE) LF	646.2020 (YELLOW) LF	646.2020 (DOUBLE YELLOW) LF	646.2040 MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE) LF	646.2040 (YELLOW) LF	646.2040 (DOUBLE YELLOW) LF	646.4040 MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH (WHITE) LF	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.5220 MARKING SYMBOL EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.6320 MARKING DOTTED EXTENSION EPOXY 18-INCH (2-FT SEGMENT, 2-FT GAP) (WHITE) LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH (YELLOW) LF	646.8120 MARKING CURB EPOXY (YELLOW) LF	646.8220 MARKING ISLAND NOSE EPOXY (YELLOW) EACH
0010	679+01	NB -	735+00	NB	RT/LT	---	---	---	10,800	6,870	5790	1710	8	2	2	35	---	272	98	3
	735+00	NB -	785+71	NB	RT/LT	---	---	---	10,100	3,390	4630	---	---	---	---	---	---	97	---	---
	785+71	NB -	810+84	NB	RT/LT	67	135	---	4,280	935	5470	211	---	---	---	---	69	208	153	2
	11+50	MH -	15+50	MH	RT/LT	655	233	894	---	---	---	---	---	---	---	28	---	32	43	1
					SUBTOTALS	722	368	894	25,180	11,195	15,890									
					TOTALS		1,984			52,265		1,921	8	2	2	63	69	609	294	6

LOCATING NO-PASSING ZONES

CATEGORY	PROJECT	648.0100 MI
0010	5845-16-75	1.35

CONSTRUCTION STAKING ITEMS

CATEGORY	STATION		STATION		LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
0010	688+02	NB -	735+00	NB	USH 51	4,700	---	---	4,700	4,700
	689+24	SB -	722+41	SB	USH 51	3,320	---	---	3,320	3,320
	735+00	NB -	785+71	NB	USH 51	5,070	---	---	5,070	5,070
	792+40	NB -	810+84	NB	USH 51	1,840	---	---	1,840	1,840
	785+71	MG -	788+59	MG	USH 51	288	---	---	288	288
	790+04	MG -	792+63	MG	USH 51	259	---	---	259	259
	11+31	MB -	14+12	MB	USH 51	281	---	---	281	281
	15+42	MB -	18+09	MB	USH 51	267	---	---	267	267
	10+00	MA -	13+33	MA	USH 51	333	---	---	333	333
	5+35	DC -	7+00	DC	DYRESON CUL DE SAC	165	165	---	---	165
	10+29	DY -	13+98	DY	DYRESON ROAD	369	369	---	---	369
	11+50	MH -	16+27	MH	MAHONEY ROAD	477	255	205	222	477
	10+19	BK -	16+83	BK	BACKAGE ROAD	664	664	---	---	664
					TOTALS	18,033	1,453	205	16,580	18,033

CONSTRUCTION STAKING STRUCTURE LAYOUT

CATEGORY	STATION	STRUCTURE	EACH	REMARKS
0020	768+45 NB	C-13-2093	1	650.6501.01
0030	783+17 NB	C-13-2094	1	650.6501.02

SAWING SUMMARY

CATEGORY	STATION		STATION		LOCATION	690.0150 ASPHALT LF	690.0250 CONCRETE LF
0010	688+02	NB -	688+07	NB	RT/LT	---	49
	688+80	NB -	688+83	NB	LT	---	29
	722+64	NB -	722+79	NB	LT	15	---
	762+06	NB -	762+41	NB	LT	35	---
	790+48	NB -	792+63	NB	LT	158	69
	809+56	NB -	810+84	NB	RT/LT	14	175
	5+35	DC			RT/LT	21	---
	13+98	DY			RT/LT	22	---
	11+50	MH			RT/LT	22	---
	12+16	MH -	12+29	MH	RT	---	13
					TOTALS	287	335

3

LIGHTING CONDUIT SUMMARY

CATEGORY	EQUIP. LOCATION FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
0010	LC-1	LPB-2	---	33
	LPB-2	LP-0001	172	---
	LC-1	LPB-1	---	30
	LPB-1	LPB-3	---	78
	LPB-3	LPB-4	---	78
	LPB-4	LP-0002	60	---
	LPB-4	LP-0003	123	---
	LP-0003	LP-0004	143	---
	LP-0004	LPB-5	48	---
	LPB-5	LP-0005	225	---
	LPB-5	LPB-6	---	80
	LPB-6	LPB-7	---	74
	LPB-7	LP-0006	93	---
	LPB-7	LP-0007	111	---
	LP-0007	LPB-8	60	---
	LPB-8	LP-0008	21	---
	LPB-8	LPB-9	---	80
	LPB-9	LPB-10	---	80
	LPB-10	LP-0010	129	---
	LPB-10	LP-0009	66	---
	LP-0009	LP-0011	73	---
	LP-0011	LPB-1	40	---
	EX-LPB-1	EX-LP-1	45	---
	EX-LPB-2	EX-LP-2	5	---
		TOTALS	1,414	533

INSTALL CONDUIT INTO EXISTING ITEM

CATEGORY	STATION	LOCATION	652.0700.S EACH
0010	690+33 NB	52' LT	1

LIGHTING PULL BOX SUMMARY

CATEGORY	PULL BOX NO.	STATION	LOCATION	653.0164 PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH
0010	LPB-1	790+86 NB	43' LT	1
	LPB-2	791+13 NB	38' LT	1
	LPB-3	790+84 NB	2' LT	1
	LPB-4	790+82 NB	39' RT	1
	LPB-5	787+65 NB	20' RT	1
	LPB-6	787+58 NB	23' LT	1
	LPB-7	787+53 NB	64' LT	1
	LPB-8	15+87 MH	27' RT	1
	LPB-9	15+87 MH	14' LT	1
	LPB-10	15+87 MH	56' LT	1
			TOTAL	10

STREET LIGHTING SUMMARY (POLE LUMINAIRE)

CATEGORY	LIGHT NO.	STATION	LOCATION	654.0105 CONCRETE BASES TYPE 5 EACH	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	12 AWG (GROUND) LF	657.0322 POLES TYPE 5-ALUMINUM EACH	657.0710 LUMINAIRE ARMS TRUSS TYPE 4 1/2 INCH CLAMP 12-FT EACH	659.1120 LUMINAIRES UTILITY LED B EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	SPV.0060.05 SALVAGE AND REINSTALL LIGHT POLE EACH
0010	LP-0001	792+84 NB	35' LT	1	90	45	1	1	1	1	---
	LP-0002	791+46 NB	32' RT	1	90	45	1	1	1	1	---
	LP-0003	789+53 NB	47' RT	1	90	45	1	1	1	1	---
	LP-0004	788+16 NB	12' RT	1	90	45	1	1	1	1	---
	LP-0005	785+35 NB	26' RT	1	90	45	1	1	1	1	---
	LP-0006	786+62 NB	46' LT	1	90	45	1	1	1	1	---
	LP-0007	16+62 MH	39' RT	1	90	45	1	1	1	1	---
	LP-0008	15+63 MH	24' RT	1	90	45	1	1	1	1	---
	LP-0009	789+83 NB	73' LT	1	90	45	1	1	1	1	---
	LP-0010	14+46 MH	42' LT	1	90	45	1	1	1	1	---
	LP-0011	790+44 NB	38' LT	1	90	45	1	1	1	1	---
	EX-LP-1	690+74 NB	62.5' LT	1	90	45	---	---	---	---	1
	EX-LP-2	689+11 NB	40' RT	1	90	45	---	---	---	---	1
			SUBTOTALS		1,170	585					
			TOTALS	13	1,755		11	11	11	11	2

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

LIGHTING CONTROL SUMMARY

CATEGORY	CABINET NO.	STATION	LOCATION	659.2130 LIGHTING CONTROL CABINETS 120/240 30-INCH EACH	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30 EACH	656.0201.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL, USH 51 & MAHONEY ROAD EACH
0010	LC-1	781+00 NB	45' LT	1	1	1
			TOTALS	1	1	1

ELECTRICAL WIRE LIGHTING

CATEGORY	EQUIP. LOCATION FROM	TO	*655.0610 12 AWG LF	*655.0615 10 AWG LF
0010	LC-1	L-0001	---	442
	LC-1	L-0009	---	328
	L-0009	L-0007	---	514
	LC-1	L-0003	---	558
	L-0003	L-0005	---	880
	LC-1	L-0011	---	176
	L-0011	L-0010	---	584
	L-0010	L-0008	---	562
	L-0008	L-0006	---	648
	LC-1	L-0002	---	432
	L-0002	L-0004	---	700
	EX-LP-3	EX-LP-1	534	---
	EX-LP-4	EX-LP-2	346	---
		TOTALS	880	5,824

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ELECTRICAL WIRE LIGHTING-SYSTEM GROUNDING CONDUCTOR

CATEGORY	EQUIP. LOCATION FROM	TO	*655.0610 ELECTICAL WIRE LIGHTING 12 AWG LF	*655.0615 ELECTICAL WIRE LIGHTING 10 AWG LF
0010	LC-1	LPB-2	---	46
	LPB-2	LP-0001	---	175
	LC-1	LPB-1	---	25
	LPB-1	LPB-3	---	108
	LPB-3	LPB-4	---	108
	LPB-4	LP-0002	---	63
	LPB-4	LP-0003	---	126
	LP-0003	LP-0004	---	146
	LP-0004	LPB-5	---	63
	LPB-5	LP-0005	---	228
	LPB-5	LPB-6	---	110
	LPB-6	LPB-7	---	104
	LPB-7	LP-0006	---	96
	LPB-7	LP-0007	---	114
	LP-0007	LPB-8	---	75
	LPB-8	LP-0008	---	24
	LPB-8	LPB-9	---	110
	LPB-9	LPB-10	---	110
	LPB-10	LP-0010	---	132
	LPB-10	LP-0009	---	69
	LP-0009	LP-0011	---	76
	LP-0011	LPB-1	---	55
	EX-LP-3	EX-LPB-1	221	---
	EX-LPB-1	EX-LP-1	46	---
	EX-LP-4	EX-LPB-2	42	---
	EX-LPB-2	EX-LP-2	131	---
		TOTALS	440	2,163

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

LANDMARK REFERENCE MONUMENTS

CATEGORY	LOCATION	680.0100 PUBLIC LAND SURVEY MONUMENT VERIFY AND RESET EACH	SPV.0060.01 RESEARCH AND LOCATE EXISTING LAND PARCEL MONUMENTS EACH	SPV.0060.02 VERIFY AND REPLACE EXISTING LAND PARCEL MONUMENTS EACH
0010	UNDISTRIBUTED	1	3	3

UTILITY LINE OPENING (ULO)

CATEGORY	LOCATION	SPV.0060.03 EACH
0010	UNDISTRIBUTED	3

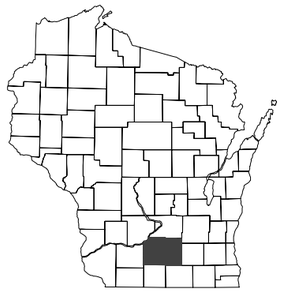
TEMPORARY LIGHTING SYSTEM

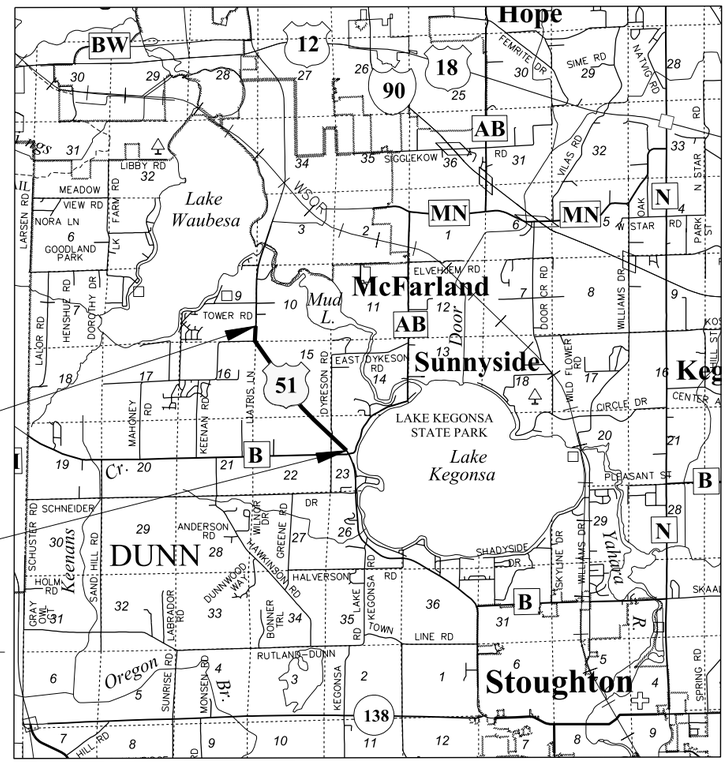
CATEGORY	LOCATION	SPV.0060.04 EACH
0010	MAHONEY ROAD ROUNDABOUT	1

FENCE CHAIN LINK 4.5-FT, ANIMAL BARRIER

CATEGORY	STATION	-	STATION	LOCATION	SPV.0090.02 LF
0010	762+80 NB	-	786+45 NB	LT/RT	4,619

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
5845-16-25
STOUGHTON - MADISON
CTH B/AB TO TOWER ROAD
USH 51
DANE COUNTY





THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 5845-16-25.

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, CENTERLINE OF EXISTING PAVEMENTS AND/OR EXISTING OCCUPATIONAL LINES.

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.

AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

PROPERTY LINES SHOWN ON THIS PLAT FOR PROPERTIES BEING IMPACTED ARE DRAWN FROM DATA DERIVED FROM FILED/RECORDED MAPS AND DOCUMENTS OF PUBLIC RECORD. 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 THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

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.

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC) — W (TYPE)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING — TO BE REMOVED
BRIDGE — CULVERT

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN — SIGN
OFF-PREMISE SIGN — #1-25 — SIGN

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (3/4-INCH CAPPED REBAR UNLESS NOTED) — IP

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE	■	○
TELEPHONE POLE	●	⌀
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	▼	⌀

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)

PARCEL NUMBER (25) — UTILITY NUMBER (40)
PARALLEL OFFSETS

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF INTERSECTION	PI
ACRES	AC	PROPERTY LINE	PL
AHEAD	AH	RECORDED AS	(100')
ALUMINUM	ALUM	REEL / IMAGE	R/I
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CENTERLINE	C/L	RIGHT	RT
CERTIFIED SURVEY MAP	CSM	RIGHT OF WAY	R/W
CONCRETE	CONC	SECTION	SEC
COUNTY	CO	SEPTIC VENT	SEPV
COUNTY TRUNK HIGHWAY	CTH	SQUARE FEET	SF
DISTANCE	DIST	STATE TRUNK HIGHWAY	STH
CORNER	COR	STATION	STA
DOCUMENT NUMBER	DOC	TELEPHONE PEDESTAL	TP
EASEMENT	EASE	TEMPORARY LIMITED EASEMENT	TLE
EXISTING	EX	TRANSPORTATION PROJECT PLAT	TPP
GAS VALVE	GV	UNITED STATES HIGHWAY	USH
GRID NORTH	GN	VOLUME	V
HIGHWAY EASEMENT	HE		
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		
POINT OF COMPOUND CURVE	PCC		

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

W	WATER
G	GAS
T	TELEPHONE
OH	OVERHEAD TRANSMISSION LINES
E	ELECTRIC
TV	CABLE TELEVISION
FO	FIBER OPTIC
FM	FORCE MAIN
SAN	SANITARY SEWER
SS	STORM SEWER

LAYOUT SCALE 0 1 MI.

PROJECT NUMBER 5845-16-25-4.01
SHEET 2 OF 2

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\RW\DWG\040101_RT.DWG
LAYOUT NAME: 040101_rt
PLOT DATE : 7/1/2024 9:27 AM PLOT BY : BARTELT, HEATHER

TRANSPORTATION PROJECT PLAT NO: 5845-16-25-4.01

PART OF LOT 1 OF CSM 8334 AND PART OF LOT 1 OF CSM 8033 BEING LOCATED IN AND INCLUDING GOVERNMENT LOT 2, ALSO PART OF LOT 1 OF CSM 8033 BEING LOCATED IN AND INCLUDING THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, ALL IN SECTION 23, TOWNSHIP 6 NORTH, RANGE 10 EAST, TOWN OF DUNN, DANE COUNTY, WISCONSIN

RELOCATION ORDER USH 51 STOUGHTON - MADISON (CTH B/AB TO TOWER ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 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 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), 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 THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
1	NICHOLAS D. & JAMIE WEISENSEL	FEE	9078	---	9078	---
2	GERALD L. KISSINGER	FEE,TLE	10574	---	10574	3873
3	RICHARD J. THOMPSON	FEE	25554	---	25554	---
4	SHARON L. ENNIS	TLE	---	---	---	2198

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
200	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS
202	AT&T WISCONSIN	RELEASE OF RIGHTS
203	KEGONSA SANITARY DISTRICT	RELEASE OF RIGHTS

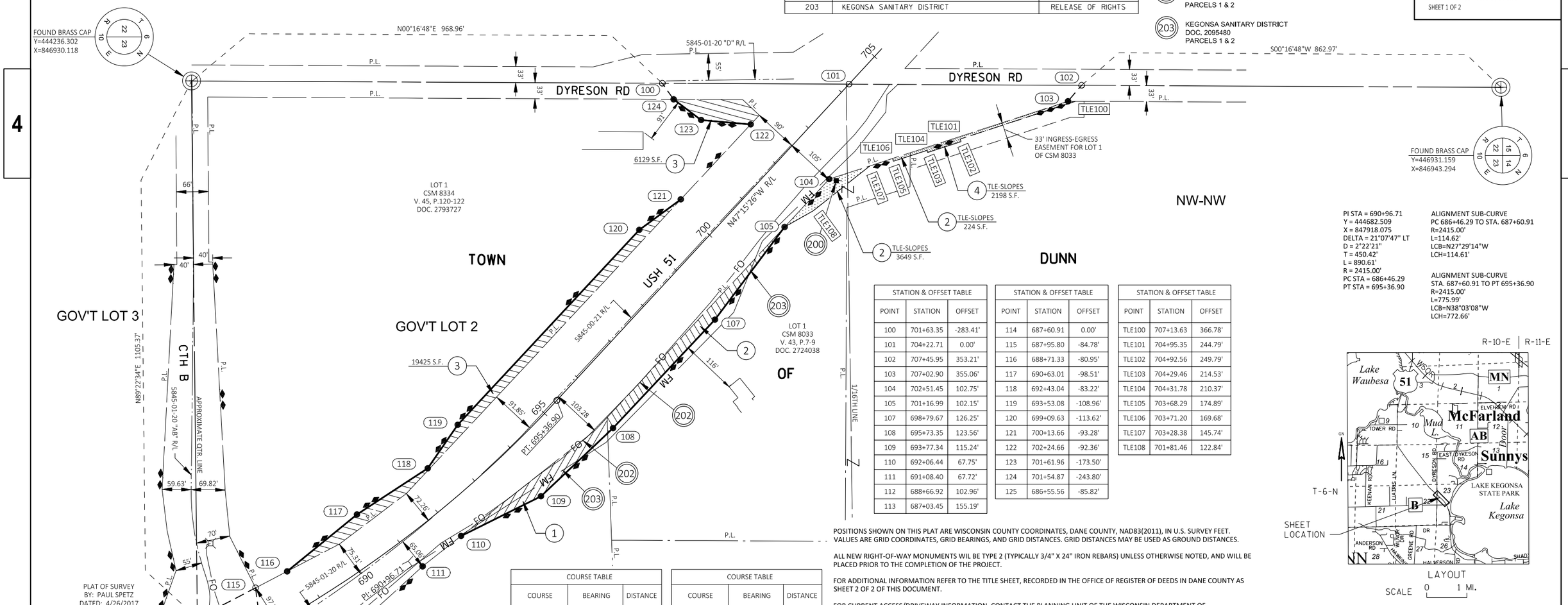
GN

SCALE, FEET
0 100 200

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5971473
07/02/2024 08:26 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:
"The above recording information verifies that this document has been electronically recorded and returned to the submitter."

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5845-16-25-4.01
SHEET 1 OF 2



STATION & OFFSET TABLE		
POINT	STATION	OFFSET
100	701+63.35	-283.41'
101	704+22.71	0.00'
102	707+45.95	353.21'
103	707+02.90	355.06'
104	702+51.45	102.75'
105	701+16.99	102.15'
107	698+79.67	126.25'
108	695+73.35	123.56'
109	693+77.34	115.24'
110	692+06.44	67.75'
111	691+08.40	67.72'
112	688+66.92	102.96'
113	687+03.45	155.19'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
114	687+60.91	0.00'
115	687+95.80	-84.78'
116	688+71.33	-80.95'
117	690+63.01	-98.51'
118	692+43.04	-83.22'
119	693+53.08	-108.96'
120	699+09.63	-113.62'
121	700+13.66	-93.28'
122	702+24.66	-92.36'
123	701+61.96	-173.50'
124	701+54.87	-243.80'
125	686+55.56	-85.82'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE100	707+13.63	366.78'
TLE101	704+95.35	244.79'
TLE102	704+92.56	249.79'
TLE103	704+29.46	214.53'
TLE104	704+31.78	210.37'
TLE105	703+68.29	174.89'
TLE106	703+71.20	169.68'
TLE107	703+28.38	145.74'
TLE108	701+81.46	122.84'

COURSE TABLE		
COURSE	BEARING	DISTANCE
100 - 101	N00° 16' 48"E	384.17'
101 - 102	N00° 16' 48"E	478.79'
102 - 103	S49° 42' 38"E	43.08'
103 - 104	S18° 03' 28"E	517.17'
104 - 105	S47° 00' 03"E	134.47'
105 - 107	S53° 03' 20"E	238.54'
107 - 108	S46° 45' 16"E	306.33'
108 - 109	S43° 21' 56"E	203.97'
109 - 110	S26° 27' 40"E	183.58'
110 - 111	S38° 14' 24"E	100.79'
111 - 112	S42° 14' 37"E	252.37'
112 - 113	S46° 17' 15"E	179.91'
113 - 114	S82° 45' 03"W	166.12'

COURSE TABLE		
COURSE	BEARING	DISTANCE
114 - 115	S82° 45' 03"W	91.44'
115 - 116	N27° 34' 06"W	73.03'
116 - 117	N39° 10' 21"W	185.34'
117 - 118	N33° 06' 28"W	173.90'
118 - 119	N55° 16' 46"W	108.74'
119 - 120	N47° 02' 47"W	548.09'
120 - 121	N36° 11' 53"W	106.00'
121 - 122	N47° 00' 22"W	211.00'
122 - 123	S05° 02' 50"W	102.54'
123 - 124	S36° 59' 09"W	70.66'
124 - 100	S54° 49' 25"W	40.51'
125 - 115	S27° 34' 06"W	135.27'

PI STA = 690+96.71
Y = 444682.509
X = 847918.075
DELTA = 21°07'47" LT
D = 2°22'21"
T = 450.42'
L = 890.61'
R = 2415.00'
PC STA = 686+46.29
PT STA = 695+36.90

ALIGNMENT SUB-CURVE
PC 686+46.29 TO STA. 687+60.91
R=2415.00'
L=114.62'
LCB=N27°29'14"W
LCH=114.61'

ALIGNMENT SUB-CURVE
STA. 687+60.91 TO PT 695+36.90
R=2415.00'
L=775.99'
LCB=N38°03'08"W
LCH=772.66'

R-10-E | R-11-E

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, 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 WIL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN DANE COUNTY AS SHEET 2 OF 2 OF THIS DOCUMENT.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION IN MADISON.

QUARTER LINE BEARING BASED ON BEST FIT OF IRONS FOUND FROM CSM 10246 (NOT SHOWN) AND PLAT OF SURVEY 12113L BY GEORGE WEIR DATED 12/18/92.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

EXISTING HIGHWAY RIGHT-OF-WAY ON USH 51 BASED ON PREVIOUS PROJECTS: 450A, 5845-00-21, 5845-01-20, CSM 8334, AND CSM 8033.

EXISTING HIGHWAY RIGHT-OF-WAY ON DYRESON RD BASED ON PREVIOUS PROJECT : 5845-00-21 AND SECTION LINE.

EXISTING HIGHWAY RIGHT-OF-WAY ON CTH AB BASED ON PREVIOUS PROJECTS: 5845-00-21 AND 5845-01-20.

EXISTING HIGHWAY RIGHT-OF-WAY ON CTH B BASED ON PREVIOUS PROJECTS: 5845-00-21, 5845-01-20 AND CSM 8334.

EXISTING ACCESS CONTROL ALONG USH 51 BASED ON PREVIOUS PROJECTS: 5845-00-21 AND 5845-01-20.

EXISTING ACCESS CONTROL ON CTH B AND CTH AB BASED ON PREVIOUS PROJECT: 5845-01-21, CSM 8334, AND CHAPTER 79 OF THE DANE COUNTY CODE OF ORDINANCES.

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

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 7/1/24
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Emily Hemling DATE: 7/1/24
PRINT NAME: EMILY HEMLING

TRANSPORTATION PROJECT PLAT NO: 5845-16-25-4.02

PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4, AND PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, ALL IN SECTION 22, TOWNSHIP 6 NORTH, RANGE 10 EAST, TOWN OF DUNN, DANE COUNTY, WISCONSIN

RELOCATION ORDER LS- 51 STOUGHTON - MADISON (CTH B/AB TO TOWER ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 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 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), 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 THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	R/W S.F. REQUIRED NEW	EXISTING	TOTAL	T.E. S.F.
6	EDWARD J. KRAMPER & DEBORAH A. KRAMPER	FEE	90760	---	90760	---

UTILITY INTERESTS REQUIRED

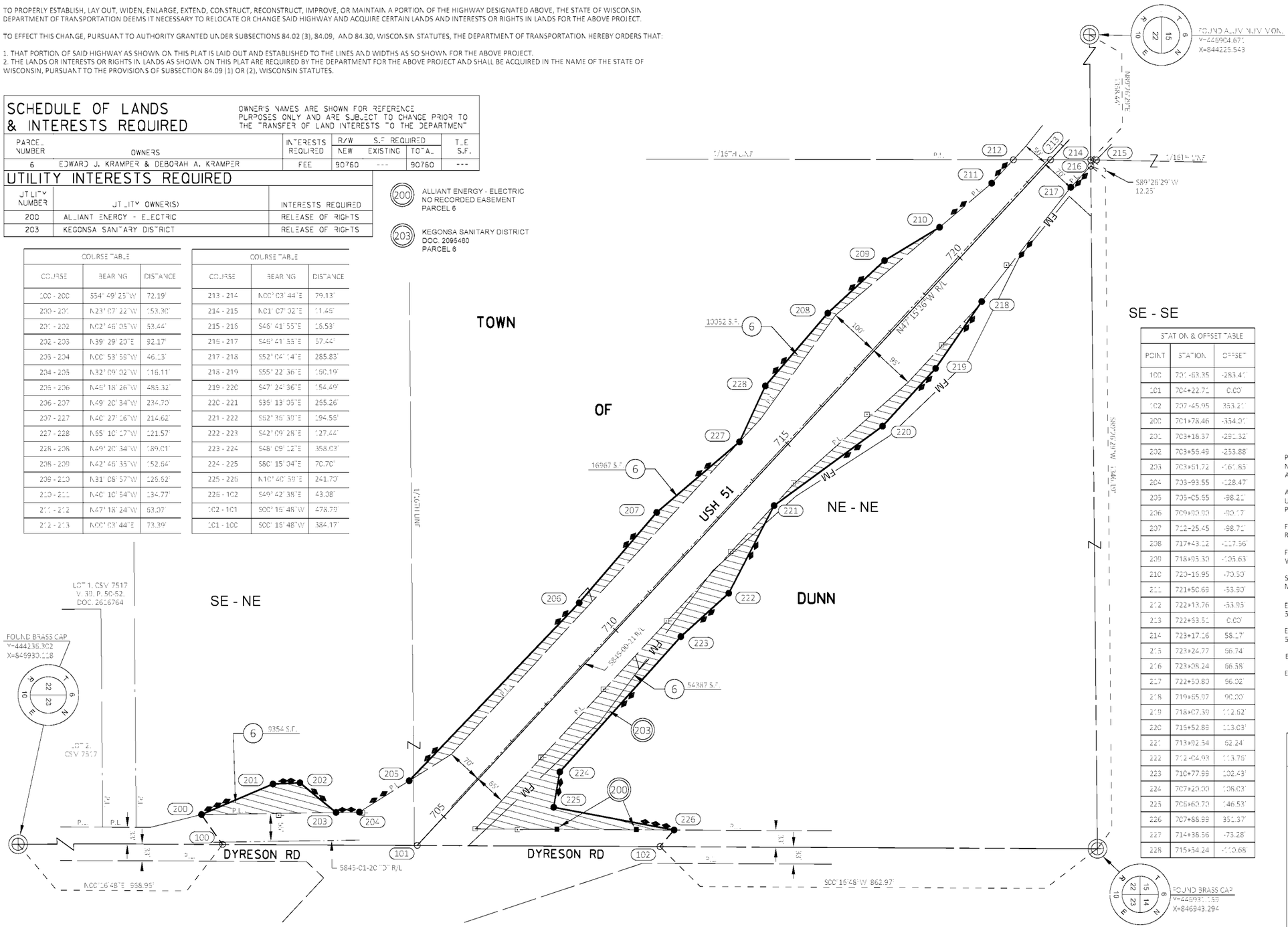
UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
200	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS
203	KEGONSA SANITARY DISTRICT	RELEASE OF RIGHTS

(200) ALLIANT ENERGY - ELECTRIC
NO RECORDED EASEMENT
PARCEL 6

(203) KEGONSA SANITARY DISTRICT
DOC. 2095480
PARCEL 6

COURSE TABLE		
COURSE	BEARING	DISTANCE
100 - 200	S54° 49' 25"W	72.19'
200 - 201	N23° 07' 22"W	153.30'
201 - 202	N02° 45' 05"W	53.44'
202 - 203	N39° 29' 20"E	92.17'
203 - 204	N00° 53' 58"W	46.13'
204 - 205	N32° 09' 02"W	116.11'
205 - 206	N46° 18' 26"W	483.32'
206 - 207	N49° 20' 34"W	234.70'
207 - 227	N40° 27' 26"W	214.62'
227 - 228	N55° 10' 27"W	121.57'
228 - 208	N49° 20' 34"W	189.01'
208 - 209	N42° 46' 35"W	152.64'
209 - 210	N31° 08' 57"W	126.52'
210 - 211	N40° 10' 54"W	134.77'
211 - 212	N47° 18' 24"W	63.07'
212 - 213	N00° 03' 44"E	73.39'

COURSE TABLE		
COURSE	BEARING	DISTANCE
213 - 214	N00° 03' 44"E	79.13'
214 - 215	N01° 07' 02"E	11.46'
215 - 216	S46° 41' 55"E	15.53'
216 - 217	S46° 41' 55"E	57.44'
217 - 218	S52° 04' 14"E	285.83'
218 - 219	S55° 22' 36"E	190.19'
219 - 220	S47° 24' 36"E	154.49'
220 - 221	S39° 13' 05"E	255.26'
221 - 222	S52° 36' 39"E	194.55'
222 - 223	S42° 09' 28"E	127.44'
223 - 224	S48° 09' 12"E	358.03'
224 - 225	S80° 15' 04"E	70.70'
225 - 226	N10° 40' 59"E	241.70'
226 - 102	S49° 42' 38"E	43.08'
102 - 101	S00° 15' 48"W	478.79'
101 - 100	S00° 15' 48"W	384.17'



STATION & OFFSET TABLE		
POINT	STATION	OFFSET
100	701+63.35	-283.41'
101	704+22.71	0.00'
102	707+45.95	353.21'
200	701+78.46	-354.01'
201	703+18.37	-291.32'
202	703+56.49	-253.88'
203	703+61.72	-167.85'
204	703+93.55	-128.47'
205	705+05.55	-98.22'
206	709+30.93	-80.17'
207	712+25.45	-88.72'
208	717+43.12	-127.56'
209	718+95.30	-105.63'
210	720+16.95	-70.50'
211	721+50.69	-53.90'
212	722+13.76	-53.95'
213	722+53.52	0.00'
214	723+17.16	58.17'
215	723+24.77	66.74'
216	723+38.24	66.58'
217	722+50.80	96.02'
218	719+65.97	90.00'
219	718+07.39	112.62'
220	716+52.89	113.03'
221	713+92.54	62.24'
222	712+04.93	113.76'
223	710+77.99	102.43'
224	707+20.00	106.03'
225	706+60.70	146.53'
226	707+88.99	351.37'
227	714+38.56	-73.28'
228	715+54.24	-120.68'

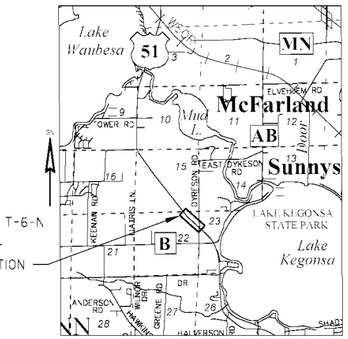
SCALE, FEET
0 100 200

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5975218
07/19/2024 01:24 PM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:
** no above recording information verified. This document to best electronically recorded and returned to the submitter**

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5845-16-25-4.02

R-10-E | R-11-E



POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, 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 WIL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT 5971473.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION IN MADISON.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

EXISTING HIGHWAY RIGHT-OF-WAY ON USH 51 BASED ON PREVIOUS PROJECTS: 450A AND 5845-00-21.

EXISTING HIGHWAY RIGHT-OF-WAY ON DYRESON RD BASED ON PREVIOUS PROJECT: 5845-00-21 AND SECTION LINE.

EXISTING ACCESS CONTROL ALONG USH 51 BASED ON PREVIOUS PROJECT: 5845-01-20.

EXISTING ACCESS CONTROL ALONG DYRESON RD BASED ON PREVIOUS PROJECT: 5845-00-21.

STRAND ASSOCIATES, INC. ®
910 W. WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 7/19/24
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Emily Emling DATE: 7/19/24
PRINT NAME: EMILY EMLING

FILE NAME: S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\C VIL 3D\RW\DWG\040101_RP.DWG
APPRAISAL PLAT DATE: 7/19/24
PLOT DATE: 7/19/2024 10:35 AM
PLOT BY: BARTELT, HEATHER
PLOT NAME:
PLOT SCALE: 1" = 100
LS- 51
5845-16-25-4.02

TRANSPORTATION PROJECT PLAT NO: 5845-16-25-4.03

PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, IN SECTION 22, AND PART OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, AND PART OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, IN SECTION 15, ALL IN TOWNSHIP 6 NORTH, RANGE 10 EAST, TOWN OF DUNN, DANE COUNTY, WISCONSIN

RELOCATION ORDER: USH 51 - STOUGHTON - MADISON (CTH B/AB TO TOWER ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 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 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), 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 THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	R/W NEW	S.F. REQUIRED EXISTING	S.F. REQUIRED TOTAL	TLE S.F.
6	EDWARD J. KRAMPER & DEBORAH A. KRAMPER	TLE	---	---	---	7467
7	ERIC & JODY SCHUTT	TLE	---	---	---	1431

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
201	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS

201 FRONTIER COMMUNICATIONS (GTE NORTH) DOC 2249415 & DOC 2338625 PARCEL 6

201 FRONTIER COMMUNICATIONS NO RECORDED EASEMENT PARCEL 7

GN

SCALE, FEET
0 100 200

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5975219
07/19/2024 01:25 PM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:
"Plan accepted recording information verifies that this document has been electronically recorded and returned to the submitter."

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5845-16-25-4.03

FOUND ALUM. MON. W/ DOT DISK
Y=448904.67'
X=844226.543

T 6 N R 10 E 22

N01°29'29"E 1433.97'

TOWN OF DUNN

SW - SE

NW - SE

NW - NE

COURSE TABLE		
COURSE	BEARING	DISTANCE
300 - 301	N51° 33' 24"W	270.18'
301 - 302	N42° 01' 00"W	543.62'
302 - 303	N32° 47' 11"W	703.41'
303 - 304	N34° 40' 04"W	304.43'
304 - 305	N01° 29' 29"E	108.91'
305 - 306	N01° 29' 29"E	102.94'
306 - 307	S34° 40' 04"E	585.47'
307 - 308	S41° 19' 20"E	302.03'
308 - 309	S34° 40' 04"E	197.06'
309 - 310	S31° 52' 32"E	295.34'
310 - 311	S44° 54' 33"E	320.54'
311 - 215	S46° 41' 55"E	397.06'
215 - 214	S01° 07' 02"W	11.46'
214 - 213	S00° 05' 44"W	79.13'
213 - 212	S00° 05' 44"W	73.39'
212 - 318	N47° 18' 24"W	36.83'
318 - 300	N51° 33' 24"W	202.12'
300 - 317	N89° 26' 29"E	100.81'
317 - 214	N89° 26' 29"E	84.82'

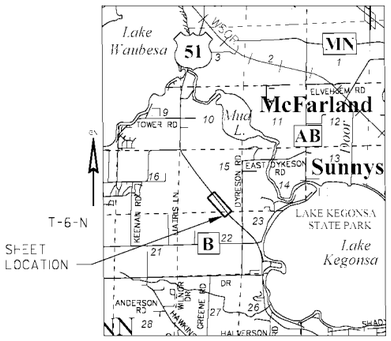
N89°26'29"E 4,497.11'

P.I. STA = 730+45.93
Y = 447369.818
X = 845010.217
DELTA = 12°38'34" RT
D = 1°33'45"
T = 329.01'
L = 655.36'
R = 2970.00'
PC STA = 727+16.92
PT STA = 733+72.27

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
212	722+13.76	-53.95'
213	722+63.51	0.00'
214	723+17.16	58.17'
215	723+24.77	66.74'
300	724+52.25	-59.14'
301	727+27.53	-89.39'
302	732+50.29	-88.91'
303	739+48.73	-53.89'
304	742+64.16	-54.28'
305	743+52.13	0.00'
306	744+55.32	60.66'
307	736+48.85	61.21'
308	735+49.88	96.49'
309	733+52.17	95.90'
310	730+50.10	65.48'
311	727+21.92	70.50'
317	723+78.88	0.00'
318	722+50.69	-53.98'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE300	724+82.76	-85.99'
TLE301	724+82.76	-72.18'
TLE302	725+32.76	-82.71'
TLE303	726+59.76	-95.00'
TLE304	727+00.76	-98.00'
TLE305	743+33.77	60.75'
TLE306	743+90.78	79.69'
TLE307	742+80.77	69.71'
TLE308	742+50.77	60.83'
TLE309	722+27.76	-53.95'
TLE310	722+27.76	-59.00'
TLE311	722+88.76	-62.00'
TLE312	722+89.98	-56.94'
TLE313	723+82.76	-63.91'
TLE314	723+82.76	-78.00'
TLE315	732+78.63	91.83'
TLE316	732+03.53	99.38'
TLE317	730+12.97	67.85'
TLE318	724+68.76	83.00'
TLE319	723+76.76	79.00'
TLE320	723+26.76	66.76'

R-10-E | R-11-E



POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, 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 3/4" X 24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT 5971473.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION IN MADISON.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

EXISTING HIGHWAY RIGHT-OF-WAY ON USH 51 BASED ON PREVIOUS PROJECT: 5845-00-21.

EXISTING ACCESS CONTROL ALONG USH 51 BASED ON PREVIOUS PROJECTS: 430A, 5845-00-21

PLAT OF SURVEY 3449
BY: ANDREW DAHLEN
DATED: 03/24/65

STRAND ASSOCIATES, INC. ®
910 W. WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 7/18/24
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Emily Emling DATE: 7/19/24
PRINT NAME: EMILY EMLING

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\C VL 3D\RW\DWG\040101_RP.DWG
APPRAISAL PLAT DATE : 7/19/24
PLOT DATE : 7/19/2024 10:36 AM
PLOT BY : BARTELT, HEATHER
PLOT NAME :
PLOT SCALE : 1" = 100
US- 51
5845-16-25-4.03

TRANSPORTATION PROJECT PLAT NO: 5845-16-25-4.04

PART OF LOT 1 OF CSM 6721 BEING LOCATED IN AND INCLUDING THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4, ALL IN SECTION 15, TOWNSHIP 6 NORTH, RANGE 10 EAST, TOWN OF DUNN, DANE COUNTY, WISCONSIN

RELOCATION ORDER LS- 51 STOUGHTON - MADISON (CTH B/AB TO TOWER ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 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 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), 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 THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	R/W NEW	S.F. REQUIRED EXISTING	S.F. REQUIRED TOTAL	TLE S.F.
6	EDWARD J. KRAMPER & DEBORAH A. KRAMPER	FEE	3861	---	3861	---
8	WISCONSIN POWER & LIGHT COMPANY	FEE	4493	---	4493	---

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
203	KEGONSA SANITARY DISTRICT	RELEASE OF RIGHTS
212	MICHIGAN WISCONSIN PIPELINE COMPANY	RELEASE OF RIGHTS

(203) KEGONSA SANITARY DISTRICT
DOC. 2085688 & DOC. 2095481
PARCELS 6 & 8

(212) MICHIGAN WISCONSIN PIPELINE COMPANY
BLANKET EASEMENT
EAST 1/2-NW1/4 SEC. 15
DOC. 1262524
PARCELS 6 & 8

AMERICAN TRANSMISSION COMPANY
DOC. 3283453
PARCELS 6 & 8

GN

SCALE, FEET
0 100 200

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5975221
07/19/2024 01:26 PM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:
"The above recording information verifies that this document has been electronically recorded and returned to the submitter."

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5845-16-25-4.04

COURSE TABLE		
COURSE	BEARING	DISTANCE
400 - 401	N34° 40' 04"W	105.60'
401 - 402	N45° 58' 40"W	76.48'
402 - 403	N37° 12' 45"W	450.44'
403 - 404	N34° 40' 04"W	100.00'
404 - 405	N30° 42' 39"W	42.25'
405 - 406	N01° 44' 35"E	148.31'
406 - 407	N01° 44' 35"E	115.68'
407 - 408	S34° 43' 40"E	254.64'
408 - 409	S29° 54' 05"E	198.81'
409 - 410	S55° 36' 45"E	70.96'
410 - 411	S30° 13' 29"E	437.11'
411 - 412	S51° 15' 48"E (N61° 37' 24"W)	55.89' (55.90')
412 - 413	S34° 43' 33"E	66.07'
413 - 414 (412-414)	S34° 43' 33"E (N35°03'30"W)	33.83' (100.00')
414 - 415	S08° 02' 43"E (N08° 29' 36"W)	56.06' (55.90')
415 - 416	S34° 37' 25"E	500.00'
416 - 417	S38° 57' 25"E	200.56'
417 - 305	S34° 40' 04"E	414.53'
305 - 306	S01° 29' 28"W	102.94'
306 - 304	S01° 29' 28"W	108.91'
304 - 418	N34° 40' 04"W	885.57'
418 - 419	N38° 53' 48"W	401.18'
419 - 420	N20° 53' 58"W	168.07'
420 - 400	N34° 40' 04"W	5.16'
400 - 421	N89° 23' 28"E	96.45'
421 - 413	N89° 23' 28"E	84.46'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
304	742+64.16	-64.18'
305	743+52.15	0.00'
306	744+35.32	50.66'
400	757+18.22	-55.12'
401	758+24.82	-55.22'
402	758+99.80	-70.29'
403	763+49.78	-93.71'
404	764+49.78	-93.80'
405	764+91.93	-87.92'
406	765+11.37	0.00'
407	767+04.69	68.70'
408	764+50.05	69.20'
409	762+51.92	52.87'
410	761+85.65	78.30'
411	757+49.83	44.82'
412	756+99.87	69.89'
413	756+33.80	70.02'
414	755+99.97	70.08'
415	755+49.83	45.01'
416	750+49.83	45.39'
417	746+49.85	50.27'
418	751+49.73	-65.01'
419	755+49.79	-94.96'
420	757+13.06	-55.11'
421	756+81.04	0.00'

FOUND MONUMENT TABLE		
POINT	Y COORDS	X COORDS
60055	449882.001	843330.200
60058	449522.759	843509.654
60059	449585.894	843558.642
60060	449513.783	843615.552
60061	449458.274	843623.398
60063	449535.629	843448.259
60064	449680.808	843329.706

FOUND ALUMINUM MON.
Y=449520.634
X=841524.344

FOUND ALUMINUM MON.
Y=449904.677
X=844226.543

FOUND BRASS CAP
Y=448349.019
X=844295.389

TOWN OF DUNN

SE - NW

NE - SW

USH 51

LOT 1
CSM 6059
V. 29, P.52-53
DOC. 2139814

LOT 1
CSM 6721
V. 33, P.152
DOC. 2351557

SHEET LOCATION

T-6-N

R-10-E | R-11-E

LAYOUT
SCALE 0 1 MI.

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, 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 WIL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT 5971473.

FOUND IRON PINS ARE 3/8" REBARS UNLESS OTHERWISE NOTED.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION IN MADISON.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

EXISTING HIGHWAY RIGHT-OF-WAY ON USH 51 BASED ON PREVIOUS PROJECTS: 450A AND 5845-00-21.

EXISTING ACCESS CONTROL ALONG USH 51 BASED ON PREVIOUS PROJECT: 5845-00-21 .

STRAND ASSOCIATES, INC. ®
910 W. WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Heather Bartelt DATE: 7/19/24
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

WISCONSIN HEATHER S BARTELT S-2797 MADISON WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Evelyn Emmons DATE: 7/19/24
PRINT NAME: EVELYN EMMONS

FILE NAME: S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\RW\DWG\040101_RP.DWG
APPRAISAL PLAT DATE: 7/19/24
PLOT DATE: 7/19/2024 10:36 AM
PLOT BY: BARTELT, HEATHER
PLOT NAME:
PLOT SCALE: 1' = 100
US- 51
5845-16-25-4.04

TRANSPORTATION PROJECT PLAT NO: 5845-16-25-4.05 AMENDMENT NO. 2

AMENDS PARCEL 6 OF TRANSPORTATION PROJECT PLAT 5845-16-25-4.05 RECORDED AS DOCUMENT NUMBER 5975222.

PART OF LOT 1 OF CSM 6609 BEING LOCATED IN AND INCLUDING PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, ALSO PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4, ALL IN SECTION 15, TOWNSHIP 6 NORTH, RANGE 10 EAST, TOWN OF DUNN, DANE COUNTY, WISCONSIN

RELOCATION ORDER LS- 51 STOUGHTON - MADISON (CTH B/AB TO TOWER ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 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 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

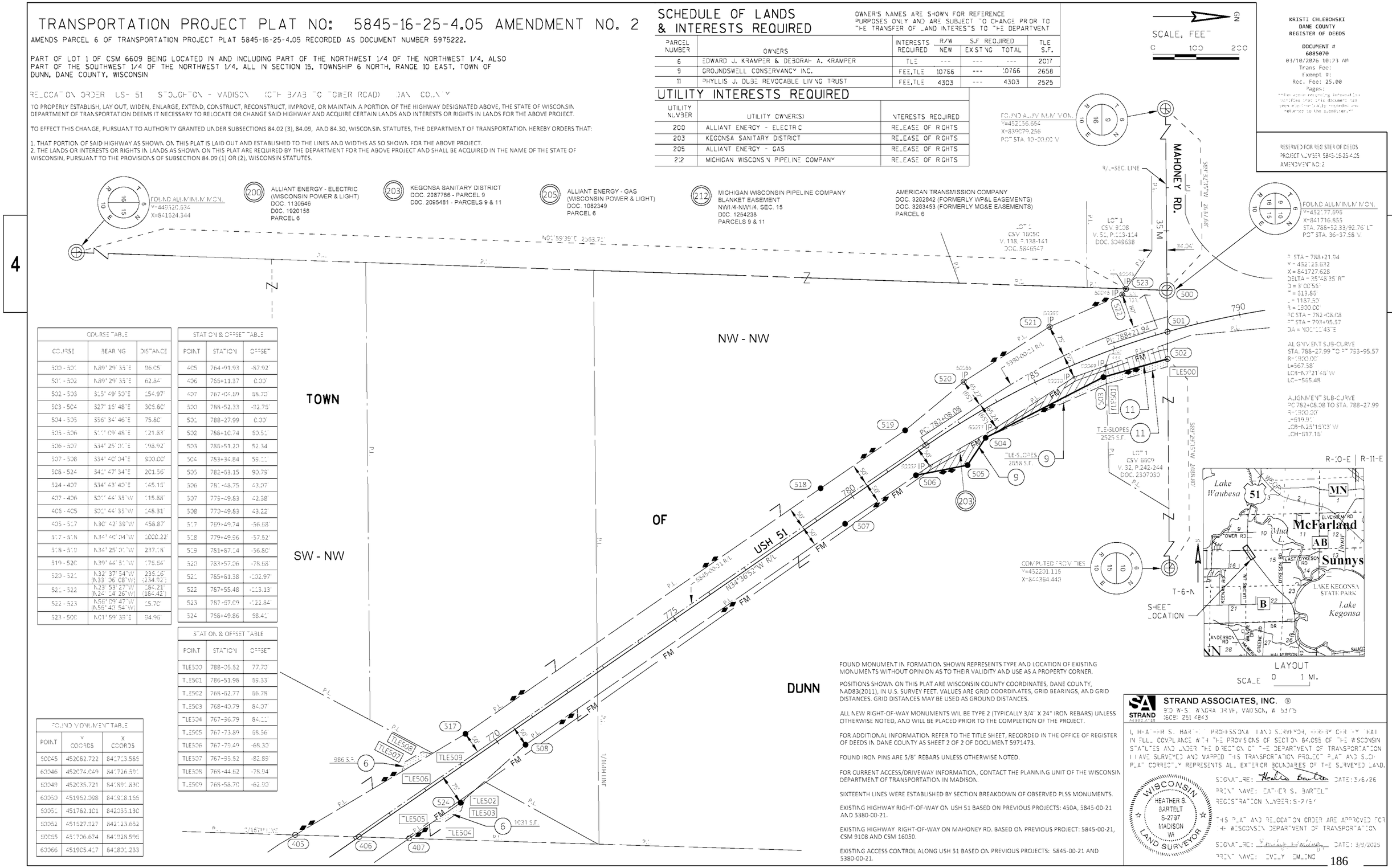
SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	R/W S.F. REQUIRED NEW	R/W S.F. REQUIRED EXISTING	R/W S.F. REQUIRED TOTAL	TLE S.F.
6	EDWARD J. KRAMPER & DEBORAH A. KRAMPER	TLE	---	---	---	2017
9	GROUNDSWELL CONSERVANCY INC.	FEE,TLE	10766	---	10766	2658
11	PHYLLIS J. DUBE REVOCABLE LIVING TRUST	FEE,TLE	4303	---	4303	2525

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
200	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS
203	KEGONSA SANITARY DISTRICT	RELEASE OF RIGHTS
205	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS
212	MICHIGAN WISCONSIN PIPELINE COMPANY	RELEASE OF RIGHTS



COURSE TABLE		
COURSE	BEARING	DISTANCE
500 - 501	N89° 29' 33"E	96.05'
501 - 502	N89° 29' 33"E	62.84'
502 - 503	S25° 49' 50"E	154.97'
503 - 504	S27° 15' 48"E	305.60'
504 - 505	S56° 34' 46"E	75.80'
505 - 506	S71° 09' 48"E	121.83'
506 - 507	S34° 25' 00"E	198.92'
507 - 508	S34° 40' 04"E	900.00'
508 - 524	S42° 47' 34"E	201.56'
524 - 407	S34° 43' 40"E	145.16'
407 - 406	S01° 44' 35"W	115.88'
406 - 405	S01° 44' 35"W	148.31'
405 - 517	N30° 42' 39"W	456.87'
517 - 518	N34° 40' 04"W	1000.22'
518 - 519	N34° 25' 00"W	237.18'
519 - 520	N39° 44' 51"W	176.84'
520 - 521	N32° 37' 54"W (N33° 36' 08"W)	235.16' (234.92')
521 - 522	N23° 53' 27"W (N24° 54' 26"W)	184.21' (184.42')
522 - 523	N56° 09' 43"W (N56° 40' 54"W)	15.70'
523 - 500	N01° 59' 39"E	94.96'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
405	764+91.93	-87.92'
406	765+11.37	0.00'
407	767+04.69	58.70'
500	788+52.33	-92.75'
501	788+27.99	0.00'
502	788+10.74	90.51'
503	786+51.20	52.34'
504	783+34.84	59.11'
505	782+93.15	90.79'
506	781+48.75	43.07'
507	779+49.83	42.38'
517	769+49.74	-56.68'
518	779+49.96	-57.52'
519	781+87.24	-56.80'
520	783+57.06	-78.68'
521	785+81.38	-102.97'
522	787+55.48	-113.13'
523	787+67.09	-122.84'
524	788+49.86	58.41'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE500	788+05.62	77.70'
TLE501	786+51.96	99.33'
TLE502	768+62.77	66.78'
TLE503	768+40.79	84.07'
TLE504	767+96.79	84.11'
TLE505	767+73.89	98.56'
TLE506	767+79.49	-68.30'
TLE507	767+95.52	-82.89'
TLE508	768+44.62	-78.94'
TLE509	768+58.70	-62.90'

FOUND MONUMENT TABLE		
POINT	Y COORDS	X COORDS
60045	452082.722	841713.586
60046	452074.029	841726.691
60049	452035.721	841691.830
60050	451952.098	841928.166
60051	451782.101	842035.130
60052	451627.927	842123.652
60065	451706.674	841928.596
60066	451905.427	841891.233

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, 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 3/4" X 24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR ADDITIONAL INFORMATION, REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT 5971473.

FOUND IRON PINS ARE 3/8" REBARS UNLESS OTHERWISE NOTED.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION IN MADISON.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

EXISTING HIGHWAY RIGHT-OF-WAY ON USH 51 BASED ON PREVIOUS PROJECTS: 450A, 5845-00-21 AND 5380-00-21.

EXISTING HIGHWAY RIGHT-OF-WAY ON MAHONEY RD. BASED ON PREVIOUS PROJECT: 5845-00-21, CSM 9108 AND CSM 16050.

EXISTING ACCESS CONTROL ALONG USH 51 BASED ON PREVIOUS PROJECTS: 5845-00-21 AND 5380-00-21.

STRAND ASSOCIATES, INC. ®
910 W. WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Heather Bartelt DATE: 3/6/26
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

WISCONSIN HEATHER S BARTELT S-2797 MADISON WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Emily Emmons DATE: 3/9/2026
PRINT NAME: EMILY EMMONS

FILE NAME: S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\C VIL 3D\RW\DWG\040101_RP.DWG
APPRAISAL PLAT DATE: 3/6/26
PLOT DATE: 3/6/2026 8:49 AM
PLOT BY: BARTELT, HEATHER
PLOT NAME:
PLOT SCALE: 1" = 100
US- 51 5845-16-25-4.05 AMEND. 2

TRANSPORTATION PROJECT PLAT NO: 5845-16-25-4.05 AMENDMENT NO. 1

ADDS UTILITY NUMBER 200 TO TRANSPORTATION PROJECT PLAT 5845-16-25-4.05 RECORDED AS DOCUMENT NUMBER 5975222.

PART OF LOT 1 OF CSM 6609 BEING LOCATED IN AND INCLUDING PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, ALSO PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4, ALL IN SECTION 15, TOWNSHIP 6 NORTH, RANGE 10 EAST, TOWN OF DUNN, DANE COUNTY, WISCONSIN

RELOCATION ORDER USH 51 SOUTH MADISON (CTH B/AB TO TOWER ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 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 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), 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 THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	R/W S.F. REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
6	EDWARD J. KRAMPER & DEBORAH A. KRAMPER	FEE	2017	---	2017	---
9	GROUNDSWELL CONSERVANCY INC.	FEE,TLE	10766	---	10766	2658
11	PHYLLIS J. DUBE REVOCABLE LIVING TRUST	FEE,TLE	4303		4303	2525

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
200	ALLIANT ENERGY ELECTRIC	RELEASE OF RIGHTS
203	KEGONSA SANITARY DISTRICT	RELEASE OF RIGHTS
205	ALLIANT ENERGY GAS	RELEASE OF RIGHTS
212	MICHIGAN WISCONSIN PIPELINE COMPANY	RELEASE OF RIGHTS

SCALE, FEET
0 100 200

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS
DOCUMENT # 6077598
01/28/2026 12:32 PM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:
"I certify that the electronic information provided by this document has been certified digitally to conform to the standards"

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5845-16-25-4.05
AMENDMENT NO. 1

FOUND ALUMINUM MON.
Y: 449520.634
X: 841624.344

(200) ALLIANT ENERGY - ELECTRIC (WISCONSIN POWER & LIGHT)
DOC. 1130646
DOC. 1920158
PARCEL 6

(203) KEGONSA SANITARY DISTRICT
DOC. 2087766 - PARCEL 9
DOC. 2095481 - PARCELS 9 & 11

(205) ALLIANT ENERGY - GAS (WISCONSIN POWER & LIGHT)
DOC. 1082349
PARCEL 6

(212) MICHIGAN WISCONSIN PIPELINE COMPANY
BLANKET EASEMENT
NW1/4-NW1/4, SEC. 15
DOC. 1254238
PARCELS 9 & 11

AMERICAN TRANSMISSION COMPANY
DOC. 3282842 (FORMERLY WP&L EASEMENTS)
DOC. 3283453 (FORMERLY MG&E EASEMENTS)
PARCEL 6

N01°59'39"E 2563.71'

NW - NW

SW - NW

TOWN OF DUNN

USH 51

MAHONEY RD.

35 M

LOT 1 CSM 9108 V. 51, P.113-114 DOC. 3049638

LOT 1 CSM 16050 V. 118, P.138-141 DOC. 5846547

LOT 1 CSM 6609 V. 32, P.242-244 DOC. 2301030

R/L-SEC. LINE

S89°34'33"W 2657.68'

FOUND ALUMINUM MON.
Y: 452156.664
X: 839079.256
POT STA. 10+00.00 N

FOUND ALUMINUM MON.
Y: 452177.696
X: 841716.855
STA. 788+52.33/92.76' LT
POT STA. 36+37.68 N

PI STA = 788+21.94
Y = 452125.632
X = 841727.628
DELTA = 35°48'35"RT
D = 3°00'56"
T = 613.86'
L = 1187.50'
R = 1900.00'
PC STA = 782+08.08
PT STA = 793+95.57
DA = N01°11'43"E

ALIGNMENT SUB-CURVE
STA. 788+27.99 TO PT 793+95.57
R 1900.00'
L=967.58'
LCB N77°21'46"W
LCH 565.48'

ALIGNMENT SUB-CURVE
PC 782+08.08 TO STA. 788+27.99
R 1900.00'
L 619.91'
LCB N75°16'03"W
LCH 617.16'

COMPUTED FROM TIES
Y=452201.116
X 844364.440

T 6-N

SHEET LOCATION

R-10-E | R 11-E

Lake Waubesa, WISCONSIN, MN, McFarland, ELVEHJEM RD, TOWER RD, Mud L., EAST DYKESIDE RD, DYKESIDE, KEGONSA RD, LAKING LN, AB, Sunnys, LAKE KEGONSA STATE PARK, B, Lake Kegonsa, ANDERSON RD, CREEKE RD, OR, SHADY, HALVERSON RD

LAYOUT
SCALE 0 1 MI.

COURSE TABLE		
COURSE	BEARING	DISTANCE
500 - 501	N89° 29' 35"E	96.05'
501 - 502	N89° 29' 35"E	62.84'
502 - 503	S15° 49' 50"E	154.97'
503 - 504	S27° 16' 48"E	306.80'
504 - 505	S56° 34' 46"E	75.80'
505 - 506	S11° 09' 48"E	121.83'
506 - 507	S34° 25' 01"E	198.92'
507 - 508	S34° 40' 04"E	900.00'
508 - 509	S41° 47' 34"E	188.54'
509 - 510	S72° 47' 37"E	27.96'
510 - 511	S34° 40' 25"E	44.00'
511 - 512	S00° 25' 47"E	27.68'
512 - 407	S34° 43' 40"E	69.20'
407 - 406	S01° 44' 35"W	115.88'
406 - 405	S01° 44' 35"W	148.31'
405 - 513	N30° 42' 39"W	288.23'
513 - 514	N76° 44' 05"W	21.75'
514 - 515	N30° 00' 24"W	49.16'
515 - 516	N14° 06' 28"E	21.34'
516 - 517	N30° 42' 39"W	91.25'
517 - 518	N34° 40' 04"W	1000.22'
518 - 519	N34° 25' 01"W	237.18'
519 - 520	N39° 44' 51"W	176.64'
520 - 521	N32° 37' 54"W (N33° 06' 08"W)	230.16' (234.92')
521 - 522	N23° 53' 27"W (N24° 14' 26"W)	184.21' (184.42')
522 - 523	N56° 09' 47"W (N56° 40' 54"W)	15.70'
523 - 500	N01° 59' 39"E	94.96'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
405	764+91.93	-87.92'
406	766+11.37	0.00'
407	767+04.69	68.70'
500	788+52.33	92.76'
501	788+27.99	0.00'
502	788+10.74	60.51'
503	786+51.20	52.34'
504	783+34.84	59.11'
505	782+63.15	90.79'
506	781+48.75	43.07'
507	779+49.83	42.38'
508	770+49.83	43.22'
509	768+62.77	66.78'
510	768+40.79	84.07'
511	767+96.79	84.11'
512	767+73.89	68.56'
513	767+79.49	-68.30'
514	767+95.62	-82.89'
515	768+44.62	78.94'
516	768+58.70	-62.90'
517	769+49.74	-56.68'
518	779+49.96	57.63'
519	781+87.14	-56.80'
520	783+57.06	-78.68'
521	785+81.38	102.97'
522	787+55.48	113.13'
523	787+67.09	-122.84'

FOUND MONUMENT TABLE		
POINT	Y COORDS	X COORDS
60045	452082.722	841713.586
60046	452074.049	841726.591
60049	452035.721	841891.830
60050	451962.098	841918.166
60051	451782.101	842035.130
60052	451627.927	842123.652
60065	451706.674	841928.596
60066	451905.417	841801.233

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE500	788+05.62	77.70'
TLE501	786+51.98	69.33'

FOUND MONUMENT IN FORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, 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 3/4" X 24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT 5971473.

FOUND IRON PINS ARE 5/8" REBARS UNLESS OTHERWISE NOTED.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION IN MADISON.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

EXISTING HIGHWAY RIGHT OF WAY ON USH 51 BASED ON PREVIOUS PROJECTS: 450A, 5845 00 21 AND 5380-00-21.

EXISTING HIGHWAY RIGHT OF WAY ON MAHONEY RD. BASED ON PREVIOUS PROJECT: 5845 00 21, CSM 9108 AND CSM 16050.

EXISTING ACCESS CONTROL ALONG USH 51 BASED ON PREVIOUS PROJECTS: 5845 00 21 AND 5380 00 21.

STRAND ASSOCIATES, INC. ®
910 W. WINGRA DRIVE, MADISON, WI 53715
(608) 251 4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Heather Bartelt DATE: 1/28/26
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Emily Heming DATE: 1/28/26
PRINT NAME: EMILY HEMING

FILL NAME: S:\MAD\1000 1099\1089\984\DRAWINGS\CAD\CIVIL 3D\RW\DWG\040101 RP.DWG
APPRAISAL PLAT DATE: 1/28/26
PLOT DATE: 1/28/2026 11:13 AM PLOT BY: BARTELT, HEATHER PLOT NAME: PLOT SCALE: 1" = 100'

USH 51 5845-16-25-4.05 AMEND. 1

TRANSPORTATION PROJECT PLAT NO: 5845-16-25-4.05

PART OF LOT 1 OF CSM 6609 BEING LOCATED IN AND INCLUDING THE NORTHWEST 1/4 OF THE NORTHWEST 1/4, ALSO PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4, ALL IN SECTION 15, TOWNSHIP 6 NORTH, RANGE 10 EAST, TOWN OF DUNN, DANE COUNTY, WISCONSIN

RELOCATION ORDER - US- 51 - STOUGHTON - MADISON - (CTH B/AB TO TOWER ROAD) - DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 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 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), 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 THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	R/W NEW	S.F. REQUIRED EXISTING	S.F. REQUIRED TOTAL	TLE S.F.
6	EDWARD J. KRAMPER & DEBORAH A. KRAMPER	FEE	2017	---	2017	---
9	GROUNDSWELL CONSERVANCY INC.	FEE,TLE	10766	---	10766	2658
11	PHYLLIS J. DUBE REVOCABLE LIVING TRUST	FEE,TLE	4303	---	4303	2525

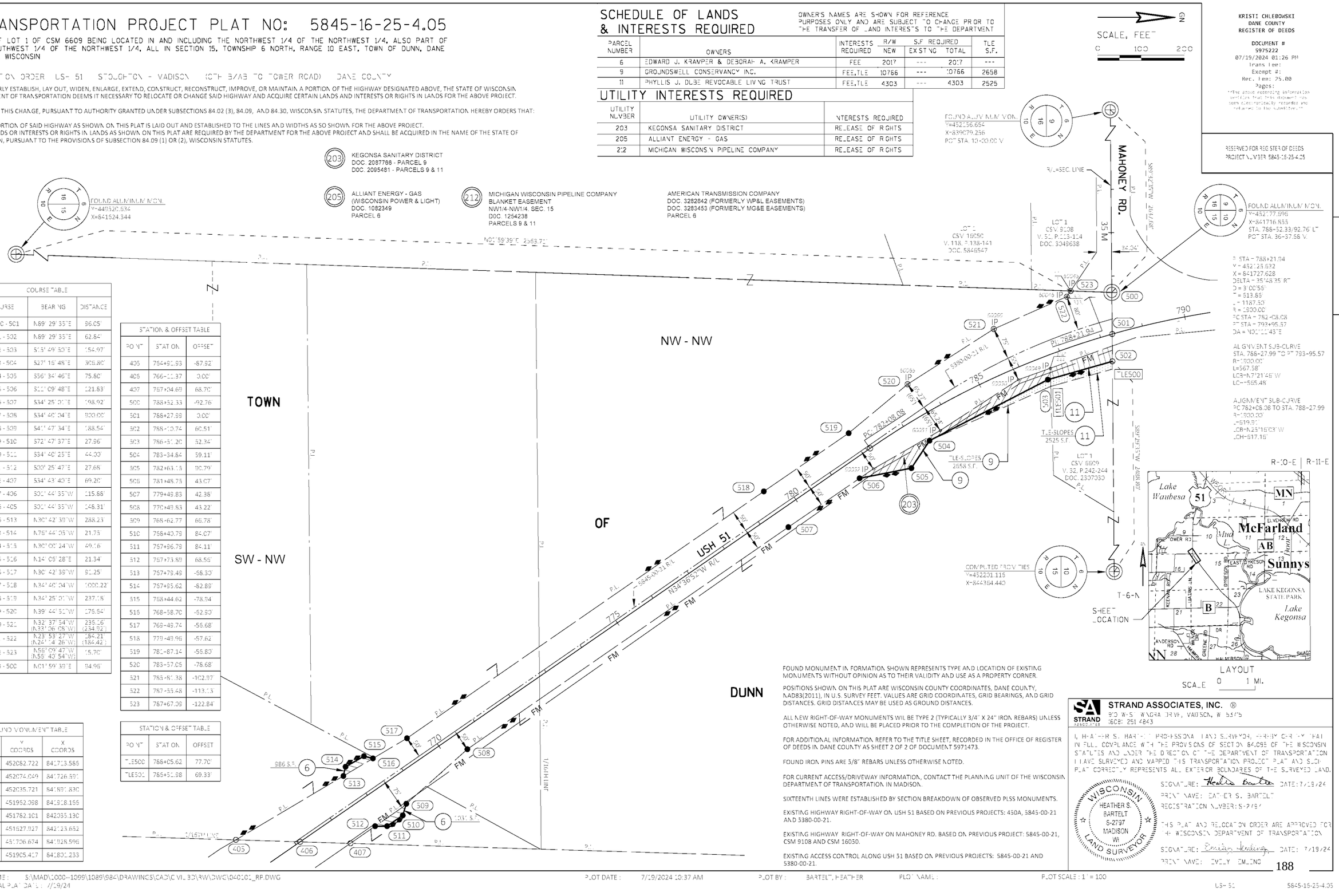
UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
203	KEGONSA SANITARY DISTRICT	RELEASE OF RIGHTS
205	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS
212	MICHIGAN WISCONSIN PIPELINE COMPANY	RELEASE OF RIGHTS

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5975222
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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5845-16-25-4.05



COURSE TABLE		
COURSE	BEARING	DISTANCE
500 - 501	N89° 29' 35"E	96.05'
501 - 502	N89° 29' 35"E	62.84'
502 - 503	S15° 49' 50"E	154.97'
503 - 504	S27° 16' 48"E	306.80'
504 - 505	S56° 34' 46"E	75.80'
505 - 506	S21° 09' 48"E	121.83'
506 - 507	S34° 25' 00"E	198.92'
507 - 508	S34° 40' 04"E	900.00'
508 - 509	S41° 47' 34"E	188.54'
509 - 510	S72° 47' 37"E	27.96'
510 - 511	S34° 40' 25"E	44.00'
511 - 512	S00° 25' 47"E	27.68'
512 - 407	S34° 43' 40"E	69.20'
407 - 406	S01° 44' 35"W	115.68'
406 - 405	S01° 44' 35"W	148.31'
405 - 513	N30° 42' 39"W	288.23'
513 - 514	N76° 44' 05"W	21.75'
514 - 515	N30° 00' 24"W	49.16'
515 - 516	N14° 06' 28"E	21.34'
516 - 517	N30° 42' 39"W	91.25'
517 - 518	N34° 40' 04"W	1000.22'
518 - 519	N34° 25' 01"W	237.18'
519 - 520	N39° 44' 51"W	175.64'
520 - 521	N32° 37' 54"W (N33° 06' 08"W)	235.16' (234.92')
521 - 522	N23° 53' 27"W (N24° 24' 26"W)	184.21' (184.42')
522 - 523	N55° 09' 47"W (N55° 40' 54"W)	15.70'
523 - 500	N01° 59' 39"E	94.95'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
405	764+91.93	-87.92'
406	766+11.37	0.00'
407	767+04.69	68.70'
500	788+52.33	-92.76'
501	788+27.99	0.00'
502	788+10.74	60.51'
503	786+51.20	52.34'
504	783+34.84	59.11'
505	782+63.15	90.79'
506	781+48.75	43.07'
507	779+49.83	42.36'
508	778+49.83	43.22'
509	768+62.77	66.78'
510	768+40.79	84.07'
511	767+96.79	84.11'
512	767+73.89	68.55'
513	767+79.49	-58.30'
514	767+55.62	-82.89'
515	768+44.62	-78.94'
516	768+58.70	-62.90'
517	768+49.74	-55.68'
518	779+49.96	-57.62'
519	781+87.14	-56.80'
520	783+57.06	-76.68'
521	785+81.38	-102.97'
522	787+55.48	-113.13'
523	787+67.09	-122.84'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE500	788+05.62	77.70'
TLE501	789+51.98	69.33'

FOUND MONUMENT TABLE		
POINT	Y COORDS	X COORDS
60045	452082.722	842713.586
60046	452074.049	841726.691
60049	452035.721	841691.830
60050	451952.098	842928.166
60051	451782.101	842035.130
60052	451627.927	842123.652
60055	451706.674	842928.596
60066	451905.417	842801.233

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, 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 3/4" X 24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT 5971473.

FOUND IRON PINS ARE 3/8" REBARS UNLESS OTHERWISE NOTED.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION IN MADISON.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

EXISTING HIGHWAY RIGHT-OF-WAY ON USH 51 BASED ON PREVIOUS PROJECTS: 450A, 5845-00-21 AND 3380-00-21.

EXISTING HIGHWAY RIGHT-OF-WAY ON MAHONEY RD. BASED ON PREVIOUS PROJECT: 5845-00-21, CSM 9108 AND CSM 16050.

EXISTING ACCESS CONTROL ALONG USH 51 BASED ON PREVIOUS PROJECTS: 5845-00-21 AND 5380-00-21.

STRAND ASSOCIATES, INC. ®
910 W. WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Heather Bartelt DATE: 7/19/24
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

WISCONSIN HEATHER S BARTELT S-2797 MADISON WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Emily Heming DATE: 7/19/24
PRINT NAME: EMILY HEMING

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\C VIL 3D\RW\DWG\040101_RP.DWG
APPRAISAL PLAT DATE : 7/19/24
PLOT DATE : 7/19/2024 10:37 AM
PLOT BY : BARTELT, HEATHER
PLOT NAME :
PLOT SCALE : 1" = 100
US- 51
5845-16-25-4.05

TRANSPORTATION PROJECT PLAT NO: 5845-16-25-4.06

PART OF LOT 1 OF CSM 9108 AND PART OF LOT 1 OF CSM 16050 IN THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, IN SECTION 16, AND PART OF LOTS 1, 2, AND 3 OF CSM 1615 BEING LOCATED IN AND INCLUDING THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 IN SECTION 9, AND PART OF LOT 1 OF CSM 6609 BEING LOCATED IN AND INCLUDING THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 IN SECTION 10 ALL IN TOWNSHIP 6 NORTH, RANGE 10 EAST, TOWN OF DUNN, DANE COUNTY, WISCONSIN

RELOCATION ORDER USH 51 STOUGHTON - MADISON (CTH B/AB TO TOWER ROAD) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

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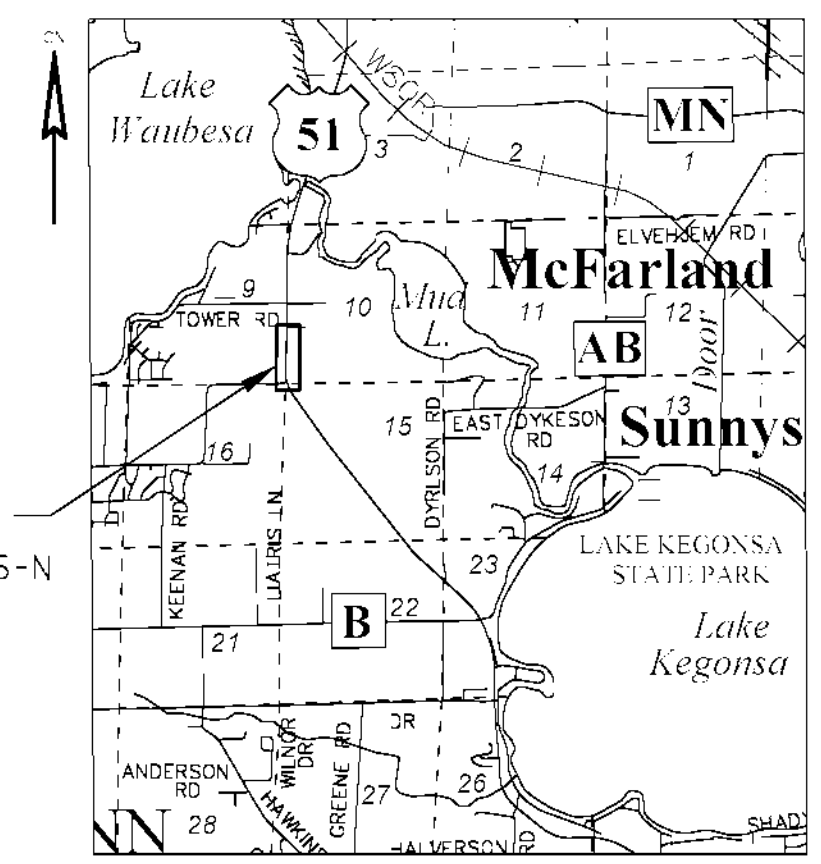
SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
9	GROUNDSWELL CONSERVANCY INC.	FEE	6319	---	6319	---
11	PHYLLIS J. DUBE REVOCABLE LIVING TRUST	FEE,TLE	9373	---	9373	8796
12	JONATHAN MATTHEW PHILLIPS	TLE	---	---	---	3497
13	CRAIG & RENAE SHERVEN	TLE	---	---	---	1749
14	KOLTON J. URSO & ELIZABETH T. URSO	FEE,TLE	90335	---	90335	18626
16	WALBESA INVESTMENT PROPERTIES, LLC	FEE,TLE	1548	---	1548	2381
17	TIMOTHY R. BLUM	TLE	---	---	---	3451

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
200	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS
201	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
203	KEGONSA SANITARY DISTRICT	RELEASE OF RIGHTS
212	MICHIGAN WISCONSIN PIPELINE COMPANY	RELEASE OF RIGHTS



LAYOUT

SCALE 0 1 M.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

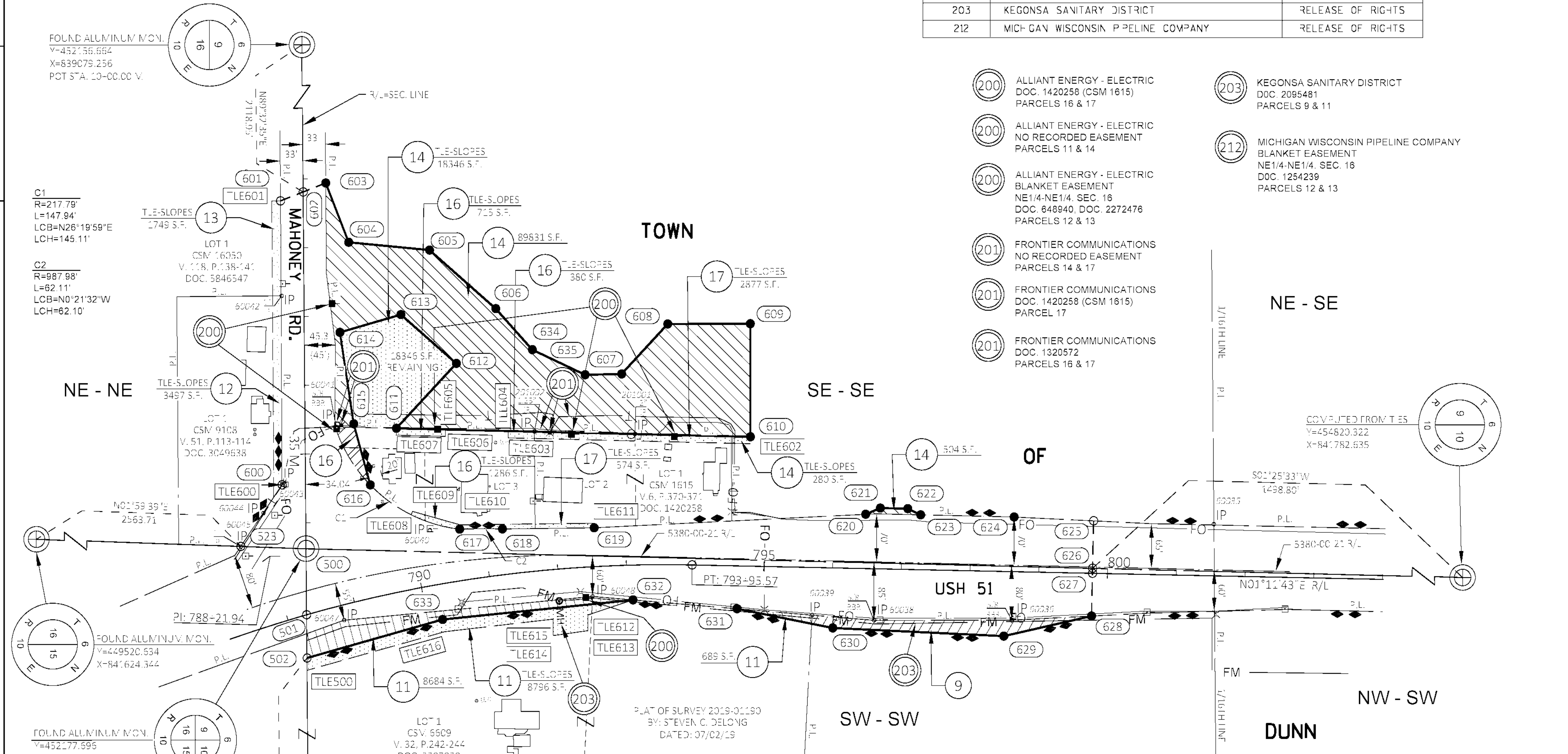
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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5845-16-25-4.06

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SCALE, FEET 0 100 200

4



(200) ALLIANT ENERGY - ELECTRIC
DOC. 1420258 (CSM 1615)
PARCELS 16 & 17

(200) ALLIANT ENERGY - ELECTRIC
NO RECORDED EASEMENT
PARCELS 11 & 14

(200) ALLIANT ENERGY - ELECTRIC
BLANKET EASEMENT
NE1/4-NE1/4, SEC. 16
DOC. 648940, DOC. 2272476
PARCELS 12 & 13

(201) FRONTIER COMMUNICATIONS
NO RECORDED EASEMENT
PARCELS 14 & 17

(201) FRONTIER COMMUNICATIONS
DOC. 1420258 (CSM 1615)
PARCEL 17

(201) FRONTIER COMMUNICATIONS
DOC. 1320572
PARCELS 16 & 17

(203) KEGONSA SANITARY DISTRICT
DOC. 2095481
PARCELS 9 & 11

(212) MICHIGAN WISCONSIN PIPELINE COMPANY
BLANKET EASEMENT
NE1/4-NE1/4, SEC. 16
DOC. 1254239
PARCELS 12 & 13

PI STA = 788+21.94
Y = 452125.632
X = 841727.628
DELTA = 35°48'35" RT
D = 3°00'56"
T = 613.86'
L = 1187.50'
R = 1900.00'
PC STA = 782+08.08
PT STA = 793+95.57
DB = N34°36'52"W

ALIGNMENT SUB-CURVE
STA. 788+27.99 TO PT 793+95.57
R=1900.00'
L=567.58'
LCB=N7°21'46"W
LC=565.48'

ALIGNMENT SUB-CURVE
PC 782+08.08 TO STA. 788+27.99
R=1900.00'
L=619.91'
LCB=N25°16'03"W
LCH=617.16'

STATION & OFFSET TABLE

POINT	STATION	OFFSET
500	788+52.33	92.76
501	788+27.99	0.00'
502	788+10.74	60.51'
523	787+67.09	-122.84'
600	35+44.42 M	34.04'
601	31+31.68 M	33.00'
602	31+18.95 M	0.00
603	31+06.21 M	-33.00
604	31+92.65 M	65.70
605	32+04.92 M	183.22'
606	32+90.89 M	-278.79'
607	33+87.26 M	-461.27'
608	33+15.26 M	528.72'
609	33+15.85 M	648.06'
610	34+80.11 M	-647.78'
611	34+63.62 M	-132.94'
612	33+70.03 M	220.85'
613	32+08.50 M	140.75'
614	33+23.59 M	-31.96
615	34+36.63 M	-70.78

STATION & OFFSET TABLE

POINT	STATION	OFFSET
616	33+43.72 M	-94.28'
617	790+67.61	-74.19'
618	791+27.00	-66.15'
619	792+56.03	59.31'
620	796+46.33	78.83'
621	796+67.38	88.41'
622	797+07.38	-88.31'
623	797+26.55	-79.81'
624	798+62.31	79.46'
625	799+78.17	76.27'
626	799+78.17	-7.25
627	799+78.17	0.00
628	799+78.17	62.13
629	798+51.09	94.08
630	796+02.11	87.41
631	794+62.24	62.31
632	793+08.26	60.71
633	790+21.93	51.28
634	33+30.95 M	-331.44'
635	33+88.00 M	-408.05'

STATION & OFFSET TABLE

POINT	STATION	OFFSET
TLE500	788+05.62	77.70
TLE600	35+62.06 M	46.07'
TLE601	31+31.67 M	45.65'
TLE602	34+90.19 M	-647.70
TLE603	34+78.83 M	-293.49
TLE604	34+68.83 M	205.81
TLE605	34+63.91 M	-204.39
TLE606	34+73.90 M	-204.07
TLE607	34+73.61 M	132.62
TLE608	790+04.45	-106.86
TLE609	790+07.44	111.07
TLE610	790+69.11	80.47'
TLE611	792+56.27	62.96'
TLE612	792+39.61	69.80
TLE613	792+38.60	92.47'
TLE614	791+84.99	95.76'
TLE615	791+86.43	71.91
TLE616	790+21.78	69.28

COURSE TABLE

COURSE	BEARING	DISTANCE
500 - 523	S01°59'39"W	94.96
523 - 600	N36°09'47"W	107.97'
600 - 601	S89°41'16"W	412.71
601 - 602	N21°33'41"W	35.37'
602 - 603	N21°33'41"W	35.37'
603 - 604	N68°49'28"E	92.12
604 - 605	N05°30'12"E	118.17
605 - 606	N41°30'56"E	128.55'
606 - 634	N48°18'27"E	79.86
634 - 635	N25°21'19"E	85.10
635 - 607	N01°13'21"W	33.23
607 - 608	N47°19'22"W	98.66
608 - 609	N00°10'30"W	120.25'
609 - 610	N89°57'26"E	164.26'

COURSE TABLE

COURSE	BEARING	DISTANCE
610 - 611	S01°22'38"W	515.10
611 - 612	N47°17'59"W	128.40'
612 - 613	S41°18'21"W	107.39'
613 - 614	S16°14'08"E	92.26'
614 - 615	N81°29'36"E	134.36'
615 - 616	N74°16'06"E	92.14'
616 - 617	SEE C1 DATA	
617 - 618	SEE C2 DATA	
618 - 619	N00°11'11"W	133.54'
619 - 620	N02°50'11"W	393.49
620 - 621	N23°13'30"W	23.10
621 - 622	N01°20'51"E	40.00
622 - 623	N25°18'59"E	20.79
623 - 624	N01°20'37"E	135.96'

COURSE TABLE

COURSE	BEARING	DISTANCE
628 - 629	S12°54'50"E	131.01'
629 - 630	S02°43'43"W	249.07
630 - 631	S11°22'06"W	142.10'
631 - 632	S04°50'13"W	151.93'
632 - 633	S05°52'20"E	278.38
633 - 502	S15°49'50"E	203.08
502 - 501	S89°29'35"W	62.81'
501 - 500	S89°29'35"W	96.05'
602 - 500	N89°32'35"E	518.74
500 - 626	N01°25'33"E	1144.64
624 - 625	N02°16'33"E	115.71'
625 - 626	S88°48'17"E	69.02'
626 - 627	S88°48'17"E	7.25'
627 - 628	S88°48'17"E	62.13'

FOUND MONUMENT TABLE

POINT	Y COORDS	X COORDS
60035	453498.385	841681.336
60036	453204.349	841820.720
60038	453004.087	841820.998
60039	452913.889	841813.550
60040	452357.785	841690.085
60041	452221.527	841539.793
60042	452142.089	841349.234
60043	452142.911	841623.869
60044	452115.620	841665.170
60045	452082.722	841713.586
60047	452283.182	841820.779
60048	452594.361	841786.226
201001	452636.339	841550.167
201002	452509.951	841546.530

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, 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 WIL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT 5971473.

FOUND IRON PINS ARE 3/4" REBARS UNLESS OTHERWISE NOTED.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION IN MADISON.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

EXISTING HIGHWAY RIGHT-OF-WAY ON USH 51 BASED ON PREVIOUS PROJECTS: 450A, 5380-00-21

EXISTING HIGHWAY RIGHT-OF-WAY ON MAHONEY RD. BASED ON PREVIOUS PROJECT: 5380-00-21, CSM 9108 AND CSM 16050.

EXISTING ACCESS CONTROL ALONG USH 51 BASED ON PREVIOUS PROJECT: 5380-00-21.

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251 4843

I, HEATHER S. BARTELT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

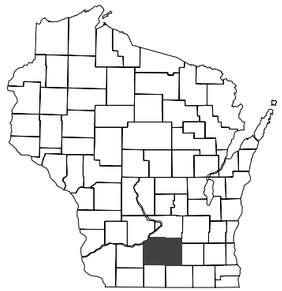
WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

SIGNATURE: Heather Bartelt DATE: 7/19/24
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Emily Hemling DATE: 7/19/24
PRINT NAME: EMILY HEMLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
5845-16-28
STOUGHTON - MADISON
EXCHANGE STREET INTERSECTION
USH 51
DANE



CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC) — W (TYPE)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING — TO BE REMOVED
BRIDGE — CULVERT

SECTION CORNER SYMBOL (18 / 23 24 25 / 26 25)
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN — SIGN
OFF-PREMISE SIGN — #1-25 — SIGN

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (3/4-INCH CAPPED REBAR UNLESS NOTED) — IP

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)

PARCEL NUMBER 25 — UTILITY NUMBER 40
PARALLEL OFFSETS

CONVENTIONAL ABBREVIATIONS

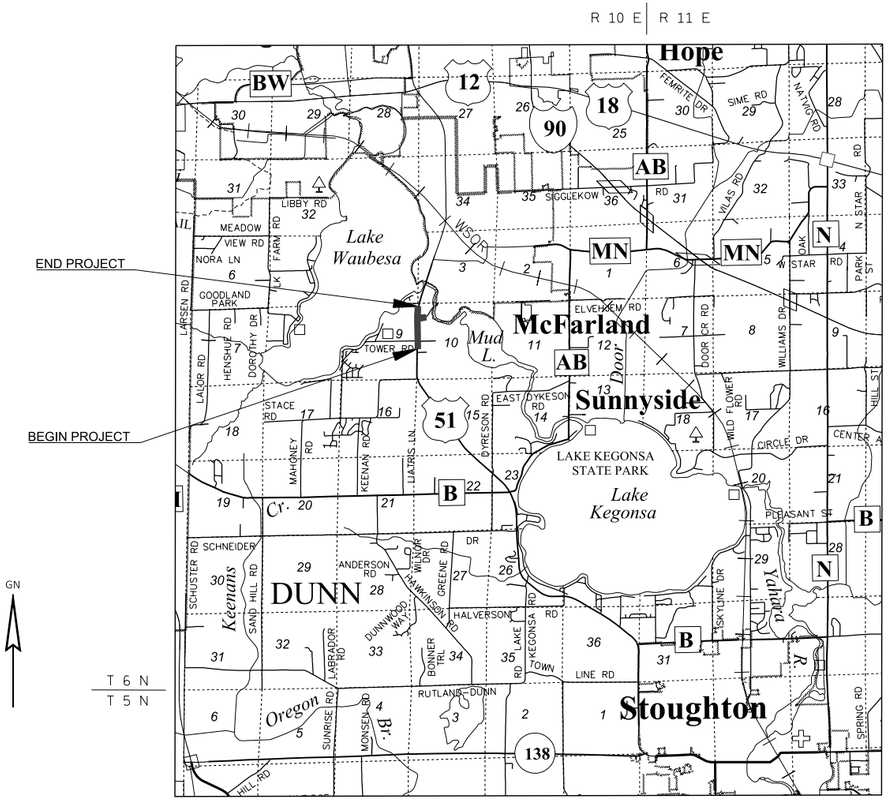
ACCESS RIGHTS	AR	POINT OF INTERSECTION	PI
ACRES	AC	PROPERTY LINE	PL
AHEAD	AH	RECORDED AS	(100')
ALUMINUM	ALUM	REEL / IMAGE	R/I
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CENTERLINE	C/L	RIGHT	RT
CERTIFIED SURVEY MAP	CSM	RIGHT OF WAY	R/W
CONCRETE	CONC	SECTION	SEC
COUNTY	CO	SEPTIC VENT	SEPV
COUNTY TRUNK HIGHWAY	CTH	SQUARE FEET	SF
DISTANCE	DIST	STATE TRUNK HIGHWAY	STH
CORNER	COR	STATION	STA
DOCUMENT NUMBER	DOC	TELEPHONE PEDESTAL	TP
EASEMENT	EASE	TEMPORARY LIMITED EASEMENT	TLE
EXISTING	EX	TRANSPORTATION PROJECT PLAT	TPP
GAS VALVE	GV	UNITED STATES HIGHWAY	USH
GRID NORTH	GN	VOLUME	V
HIGHWAY EASEMENT	HE		
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		
POINT OF COMPOUND CURVE	PCC		

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

W — WATER
G — GAS
T — TELEPHONE
OH — OVERHEAD TRANSMISSION LINES
E — ELECTRIC
TV — CABLE TELEVISION
FO — FIBER OPTIC
FM — FORCE MAIN
SAN — SANITARY SEWER
SS — STORM SEWER



THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 5845-16-28.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, 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, CENTERLINE OF EXISTING PAVEMENTS AND/OR EXISTING OCCUPATIONAL LINES.

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.

AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

PROPERTY LINES SHOWN ON THIS PLAT FOR PROPERTIES BEING IMPACTED ARE DRAWN FROM DATA DERIVED FROM FILED/RECORDED MAPS AND DOCUMENTS OF PUBLIC RECORD. 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 THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON.

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 5845-16-28-4.01
SHEET 2 OF 2

FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\RW\DWG\040101_RT.DWG
LAYOUT NAME: 040101_rt
PLOT DATE : 9/27/2023 11:06 AM PLOT BY : BARTELT, HEATHER PLOT NAME :
5845-16-28-4.01

TRANSPORTATION PROJECT PLAT NO: 5845-16-28-4.01 AMENDMENT NO: 2

AMENDS PARCEL NUMBER 2 OF TRANSPORTATION PROJECT PLAT 5845-16-28-4.01 RECORDED AS DOCUMENT NUMBER 5926253 AT THE DANE COUNTY REGISTER OF DEEDS.

PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 9, AND PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 10 ALL LOCATED IN TOWNSHIP 6 NORTH, RANGE 10 EAST, TOWN OF DUNN, DANE COUNTY, WISCONSIN

RELOCATION ORDER USH 51 STOUGHTON - MADISON (EXCHANGE STREET INTERSECTION) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	R/W S.F. REQUIRED NEW	R/W S.F. REQUIRED EXISTING	R/W S.F. REQUIRED TOTAL	PLE S.F.	TLE S.F.
1	MILDRED M KEFFER	FEE,TLE	23254	---	23254	---	185
2	VITRUVIAN FARMS, LLC	FEE,PLE,TLE	20581	---	20581	121	9964

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
200	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS
201	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
203	KEGONSA SANITARY DISTRICT	RELEASE OF RIGHTS

(200) ALLIANT ENERGY - ELECTRIC
NO RECORDED EASEMENT
PARCEL 1

(203) KEGONSA SANITARY DISTRICT
DOC. 2068330
PARCEL 1

(201) FRONTIER COMMUNICATIONS
(GENERAL TELEPHONE COMPANY)
DOC. 1312157
PARCEL 2

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
100	814+77.00	0.00'
101	38-48.85 T	0.00'
102	38-48.85 T	33.00'
103	813+57.75	95.28'
104	810+82.66	78.15'
105	809+07.71	58.04'
106	808+09.32	58.01'
107	807+24.94	124.15'
108	806+75.33	124.02'
109	805+69.02	47.39'
110	804+31.30	47.03'
111	804+31.43	0.03'
112	804+31.44	-5.42'
113	804+31.62	-73.25'
114	805+61.80	-73.53'
115	807+61.72	-52.73'
116	810+49.26	-51.59'
117	813+95.00	-98.98'
118	34-77.01 T	17.41'
119	33-63.12 T	29.12'
120	32-85.00 T	26.35'
121	28-93.13 T	0.00'
122	34-96.35 T	0.00'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
PLE100	809+81.96	-51.89'
PLE101	809+82.04	-69.89'
PLE102	810+49.33	-69.59'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE100	32+67.45 T	27.95'
TLE101	32+78.40 T	37.64'
TLE102	32+51.95 T	36.48'
TLE103	32+44.40 T	27.26'
TLE104	805+80.48	55.65'
TLE105	805+23.97	47.27'
TLE106	805+63.62	-92.34'
TLE107	806+55.48	-86.38'
TLE108	808+12.57	-52.53'
TLE109	809+55.01	-77.14'
TLE110	810+53.73	-80.48'
TLE111	811+05.34	-59.42'

FOUND MONUMENT TABLE		
POINT	Y COORDS	X COORDS
106	454151.584	841827.924
107	454065.848	841892.292
60019	454967.756	841776.592
60020	454886.114	841655.274
60021	454819.990	841653.651
60022	454773.629	841731.291
60023	454504.611	841821.385
60024	454779.490	841827.954
60025	454861.738	841978.465
60026	454888.280	841832.475
60033	453907.145	841691.263
60034	454106.222	841716.402

COURSE TABLE		
COURSE	BEARING	DISTANCE
100 - 101	N89° 34' 03"E	222.61'
101 - 102	S00° 25' 57"E	33.00'
102 - 103	S56° 11' 56"W	151.64'
103 - 104	S04° 37' 18"W	286.60'
104 - 105	S08° 05' 45"W	175.23'
105 - 106	S01° 12' 45"W	98.39'
106 - 107	S36° 53' 54"E (N37° 07' 16"W)	107.27' (105.78')
107 - 108	S01° 21' 02"W	49.61'
108 - 109	S36° 58' 36"W	131.05'
109 - 110	S01° 20' 42"W	137.72'
110 - 111	N88° 39' 18"W	47.03'
111 - 112	N88° 39' 18"W	5.42'

COURSE TABLE		
COURSE	BEARING	DISTANCE
112 - 113	N88° 39' 18"W	67.82'
113 - 114	N01° 04' 20"E	130.28'
114 - 115	N07° 05' 00"E (N06° 39' 56"E)	201.00' (201.00')
115 - 116	N01° 25' 21"E	287.54'
116 - 117	N06° 36' 31"W	348.97'
117 - 118	N38° 17' 05"W	78.26'
118 - 119	S83° 40' 59"W	114.49'
119 - 120	N89° 33' 22"W	178.14'
120 - 121	N82° 37' 26"W	193.66'
121 - 122	N89° 33' 15"E	503.22'
122 - QTR. COR.	N89° 33' 15"E	128.68'

COURSE TABLE		
COURSE	BEARING	DISTANCE
PLE100 - PLE101	N88° 34' 39"W	18.00'
PLE101 - PLE102	N01° 25' 21"E	67.29'
PLE102 - 115	S88° 34' 39"E	18.00'
116 - PLE100	S01° 25' 21"W	67.29'
PLE100 - 115	S01° 25' 21"W	220.25'

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83 (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 WIL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT 5926253.

FOUND IRON PINS ARE 3/4" REBARS UNLESS OTHERWISE NOTED.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION IN MADISON.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

EXISTING ACCESS CONTROL ALONG USH 51 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECTS 5380-00-21 AND 5381-00-21.

EXISTING RIGHT-OF-WAY FOR USH 51 IS BASED ON PREVIOUS PROJECTS 450A, 5380-00-21 AND 5381-00-21 AND CSM 3857.

EXISTING RIGHT-OF-WAY FOR TOWER ROAD BASED ON PREVIOUS PROJECT 5380-00-21, 5381-00-21 AND CSM 3857.

EXISTING RIGHT-OF-WAY FOR CRANE COURT BASED ON PREVIOUS PROJECTS 5380-00-21, 5381-00-21 AND TOWN OF DUNN ROAD RECORDS.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT # 5990715
10/15/2024 11:49 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:

"The above recording information verifies that this document has been electronically recorded and returned to the submitter."

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5845-16-28-4.01
AMENDMENT NO: 2

STRAND ASSOCIATES, INC. ®
910 W. WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Heather Bartelt DATE: 10/11/24
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Emily Emling DATE: 10/11/24
PRINT NAME: EMILY EMLING

FILE NAME: S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\C VIL 3D\RW\DWG\040101_RP.DWG
APPRAISAL PLAT DATE: 10/11/24
PLOT DATE: 10/11/2024 1:00 PM
PLOT BY: BARTELT, HEATHER
PLOT NAME:
PLOT SCALE:
USH 51 5845-16-28-4.01 AMEND. 2

TRANSPORTATION PROJECT PLAT NO: 5845-16-28-4.01 AMENDMENT NO: 1

AMENDS UTILITY NUMBER 201 AND REVISES FOUND MONUMENT TABLE OF TRANSPORTATION PROJECT PLAT 5845-16-28-4.01 RECORDED AS DOCUMENT NUMBER 5926253 AT THE DANE COUNTY REGISTER OF DEEDS.

PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 9, AND PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 10 ALL LOCATED IN TOWNSHIP 6 NORTH, RANGE 10 EAST, TOWN OF DUNN, DANE COUNTY, WISCONSIN

RELOCATION ORDER USH 51 STOUGHTON - MADISON (EXCHANGE STREET INTERSECTION) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION 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.
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SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	R/W S.F. REQUIRED NEW	R/W S.F. REQUIRED EXISTING	R/W S.F. REQUIRED TOTAL	TLE S.F.
1	MILDRED M KEFER	FEE,TLE	23254	---	23254	785
2	VITRJVAN FARMS, LLC	FEE,TLE	20581	---	20581	1175

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
200	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS
201	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
203	KEGONSA SANITARY DISTRICT	RELEASE OF RIGHTS

(200) ALLIANT ENERGY - ELECTRIC
NO RECORDED EASEMENT
PARCEL 1

(203) KEGONSA SANITARY DISTRICT
DOC. 2068330
PARCEL 1

(201) FRONTIER COMMUNICATIONS
(GENERAL TELEPHONE COMPANY)
DOC. 1312157
PARCEL 2

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
100	814+77.00	0.00'
101	38+48.85 T	0.00'
102	38+48.85 T	33.00'
103	813+57.75	95.28'
104	810+81.66	78.15'
105	809+07.71	58.04'
106	808+09.32	58.01'
107	807+24.94	124.15'
108	806+75.33	124.02'
109	805+69.02	47.39'
110	804+31.30	47.03'
111	804+31.43	0.00'
112	804+31.44	-5.42'
113	804+31.62	-73.25'
114	805+61.80	-73.53'
115	807+61.72	-52.73'
116	810+48.26	-51.59'
117	813+95.00	-98.98'
118	34+77.01 T	17.41'
119	33+63.12 T	29.12'
120	32+85.00 T	26.35'
121	29+93.13 T	0.00'
122	34+56.35 T	0.00'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE100	32+67.45 T	27.95'
TLE101	32+78.40 T	37.64'
TLE102	32+51.95 T	36.48'
TLE103	32+44.40 T	27.26'
TLE104	805+80.48	55.65'
TLE105	805+23.97	47.27'
TLE106	805+63.62	-92.34'
TLE107	806+55.48	-85.38'
TLE108	808+12.57	-52.53'
TLE109	809+55.01	-77.14'
TLE110	810+53.73	-80.48'
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FOUND MONUMENT TABLE		
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60024	454779.490	841827.954
60025	454861.738	841978.465
60026	454988.280	841832.475
60033	453907.145	841681.263
60034	454166.222	841716.402

COURSE TABLE		
COURSE	BEARING	DISTANCE
100 - 101	N89°34'03"E	222.61'
101 - 102	S00°25'57"E	33.00'
102 - 103	S58°11'56"W	151.64'
103 - 104	S04°37'08"W	266.60'
104 - 105	S08°05'45"W	175.23'
105 - 106	S01°12'45"W	98.39'
106 - 107	S36°53'54"E (N37°27'16"W)	107.27' (105.78')
107 - 108	S01°21'02"W	49.61'
108 - 109	S36°58'56"W	131.05'
109 - 110	S01°20'42"W	137.72'
110 - 111	N88°39'18"W	47.03'
111 - 112	N88°39'18"W	5.42'

COURSE TABLE		
COURSE	BEARING	DISTANCE
112 - 113	N88°39'18"W	67.82'
113 - 114	N01°04'20"E	130.28'
114 - 115	N07°08'00"E (N06°39'58"E)	200.00' (201.00')
115 - 116	N01°25'21"E	287.54'
116 - 117	N06°39'31"W	348.97'
117 - 118	N38°17'08"W	78.26'
118 - 119	S83°40'59"W	114.48'
119 - 120	N89°33'22"W	178.14'
120 - 121	N82°37'25"W	193.66'
121 - 122	N89°33'15"E	503.21'
122 - QTR. COR.	N89°33'15"E	128.68'

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83 (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" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN DANE COUNTY AS SHEET 2 OF 2 OF DOCUMENT 5926253.

FOUND IRON PINS ARE 3/4" REBARS UNLESS OTHERWISE NOTED.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION IN MADISON.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

EXISTING ACCESS CONTROL ALONG USH 51 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECTS 5380-00-21 AND 5381-00-21.

EXISTING RIGHT-OF-WAY FOR USH 51 IS BASED ON PREVIOUS PROJECTS 450A, 5380-00-21 AND 5381-00-21 AND CSM 3857.

EXISTING RIGHT-OF-WAY FOR TOWER ROAD BASED ON PREVIOUS PROJECT 5380-00-21, 5381-00-21 AND CSM 3857.

EXISTING RIGHT-OF-WAY FOR CRANE COURT BASED ON PREVIOUS PROJECTS 5380-00-21, 5381-00-21 AND TOWN OF DUNN ROAD RECORDS.

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5946960
02/15/2024 08:33 AM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:
"I/We assert recording information specified on this document has been electronically recorded and returned to the submitter."

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5845-16-28-4.01
AMENDMENT NO: 1

STRAND ASSOCIATES, INC. ®
910 W. WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Heather Bartelt DATE: 2/14/24
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Cory Schlagel DATE: 2/14/24
PRINT NAME: CORY SCHLAGEL

FILE NAME: S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\RW\DWG\040101_RP.DWG
APPRAISAL PLAT DATE: 2/14/24
PLOT DATE: 2/14/2024 4:20 PM PLOT BY: BARTELT, HEATHER PLOT NAME: PLOT SCALE:
USH 51 5845-16-28-4.01 AMEND. 1

TRANSPORTATION PROJECT PLAT NO: 5845-16-28-4.01

PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 9, AND PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 10 ALL LOCATED IN TOWNSHIP 6 NORTH, RANGE 10 EAST, TOWN OF DUNN, DANE COUNTY, WISCONSIN

RELOCATION ORDER USH 51 STOUGHTON - MADISON (EXCHANGE STREET INTERSECTION) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), 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 THE DEPARTMENT

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
1	MILDRED M KIEFER	FEE,TLE	23254	---	23254	185
2	VITRUVIAN FARMS, LLC	FEE,TLE	20581	---	20581	11175

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
200	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS
201	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
203	KEGONSA SANITARY DISTRICT	RELEASE OF RIGHTS

(200) ALLIANT ENERGY - ELECTRIC
NO RECORDED EASEMENT
PARCEL 1

(203) KEGONSA SANITARY DISTRICT
DOC. 2068330
PARCEL 1

(201) FRONTIER COMMUNICATIONS
(GENERAL TELEPHONE COMPANY)
DOC. 1312157
PARCEL 2

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
100	814+77.00	0.00'
101	38+48.85 T	0.00'
102	38+48.85 T	33.00'
103	813+67.75	96.28'
104	810+81.66	79.15'
105	809+07.71	58.04'
106	808+09.32	58.01'
107	807+24.94	124.16'
108	806+75.33	124.02'
109	805+69.02	47.39'
110	804+31.30	47.03'
111	804+31.43	0.00'
112	804+31.44	-5.42'
113	804+31.62	-73.25'
114	805+61.80	-73.53'
115	807+61.72	-52.73'
116	810+49.26	-51.59'
117	813+95.00	-98.98'
118	34+77.01 T	17.41'
119	33+63.12 T	29.12'
120	31+85.00 T	26.36'
121	29+93.13 T	0.00'
122	34+96.35 T	0.00'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE100	32+87.45 T	27.95'
TLE101	32+78.40 T	37.84'
TLE102	32+51.95 T	36.48'
TLE103	32+44.40 T	27.28'
TLE104	805+80.48	55.65'
TLE105	805+23.97	47.27'
TLE106	805+63.62	-94.34'
TLE107	806+65.48	-86.38'
TLE108	808+12.57	-52.53'
TLE109	809+55.01	-77.14'
TLE110	810+53.73	-80.48'
TLE111	811+06.34	-59.42'

FOUND MONUMENT TABLE		
POINT	Y COORDS	X COORDS
106	454151.584	841827.924
107	454065.848	841892.292
60019	454967.756	841716.592
60020	454886.114	841655.274
60021	454819.660	841653.661
60022	454713.629	841731.291
60023	454504.611	841821.385
60024	454779.490	841827.664
60025	454861.738	841978.465
60033	453907.145	841691.263
60034	454106.222	841716.402

COURSE TABLE		
COURSE	BEARING	DISTANCE
100 - 101	N89° 34' 03"E	222.61'
101 - 102	S00° 25' 57"E	33.00'
102 - 103	S58° 11' 56"W	151.64'
103 - 104	S04° 37' 18"W	286.60'
104 - 105	S08° 06' 45"W	175.23'
105 - 106	S01° 12' 45"W	98.39'
106 - 107	S36° 53' 54"E (N37° 17' 16"W)	107.21' (106.78')
107 - 108	S01° 21' 02"W	49.61'
108 - 109	S36° 58' 56"W	131.05'
109 - 110	S01° 20' 42"W	137.72'
110 - 111	N88° 39' 18"W	47.03'
111 - 112	N88° 39' 18"W	5.42'

COURSE TABLE		
COURSE	BEARING	DISTANCE
112 - 113	N88° 39' 18"W	67.82'
113 - 114	N01° 04' 20"E	130.18'
114 - 115	N07° 08' 00"E (N06° 39' 58"E)	201.00' (201.00')
115 - 116	N01° 25' 21"E	287.54'
116 - 117	N06° 36' 31"W	348.97'
117 - 118	N38° 17' 06"W	78.16'
118 - 119	S83° 40' 59"W	114.49'
119 - 120	N89° 33' 22"W	178.14'
120 - 121	N82° 37' 26"W	193.66'
121 - 122	N89° 33' 16"E	503.21'
122 - QTR. COR.	N89° 33' 16"E	128.68'

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83 (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 WIL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN DANE COUNTY AS SHEET 2 OF 2 OF THIS DOCUMENT.

FOUND IRON PINS ARE 3/4" REBARS UNLESS OTHERWISE NOTED.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION IN MADISON.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

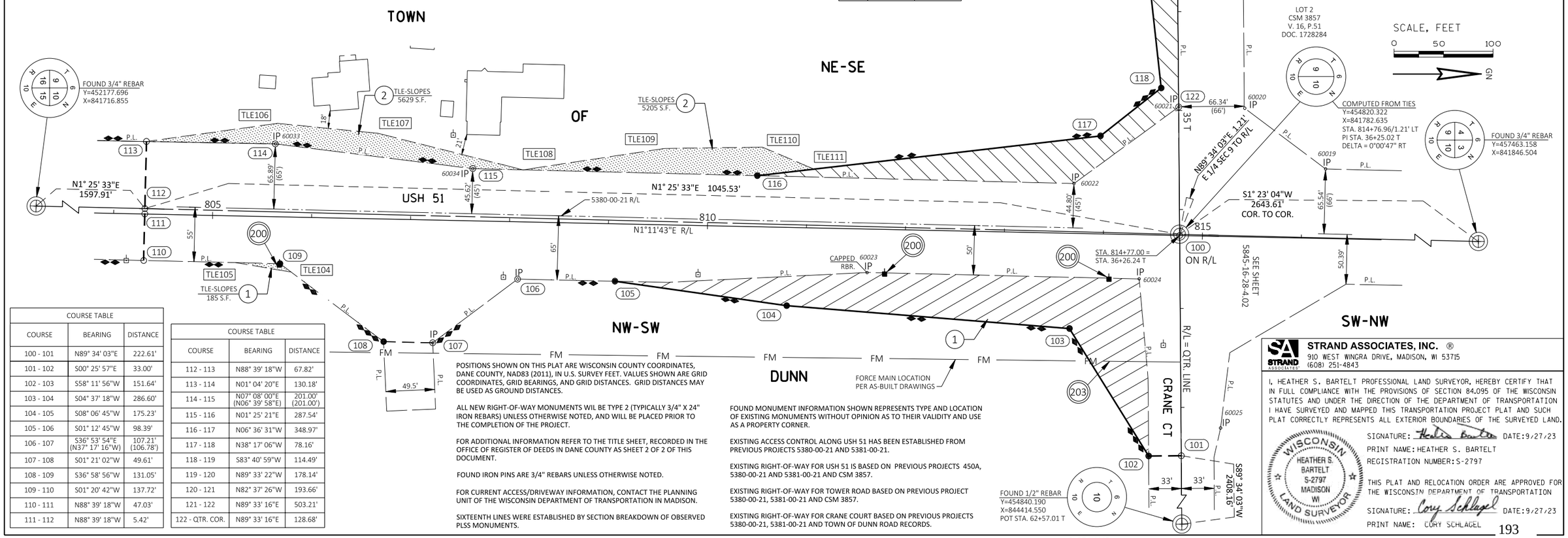
FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

EXISTING ACCESS CONTROL ALONG USH 51 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECTS 5380-00-21 AND 5381-00-21.

EXISTING RIGHT-OF-WAY FOR USH 51 IS BASED ON PREVIOUS PROJECTS 450A, 5380-00-21 AND 5381-00-21 AND CSM 3857.

EXISTING RIGHT-OF-WAY FOR TOWER ROAD BASED ON PREVIOUS PROJECT 5380-00-21, 5381-00-21 AND CSM 3857.

EXISTING RIGHT-OF-WAY FOR CRANE COURT BASED ON PREVIOUS PROJECTS 5380-00-21, 5381-00-21 AND TOWN OF DUNN ROAD RECORDS.

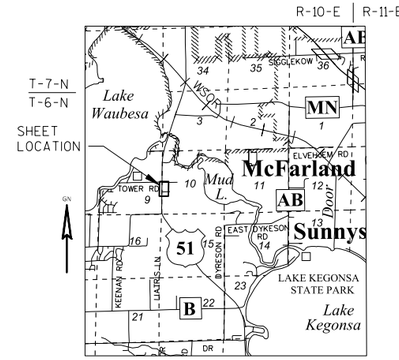


KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5926253
09/28/2023 09:25 AM
Trans Fee:
Exempt #:
Rec. Fee: 75.00
Pages:

"The above recording information verifies that this document has been electronically recorded and returned to the submitter."

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5845-16-28-4.01
SHEET 1 OF 2



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

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Heather Bartelt DATE: 9/27/23
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

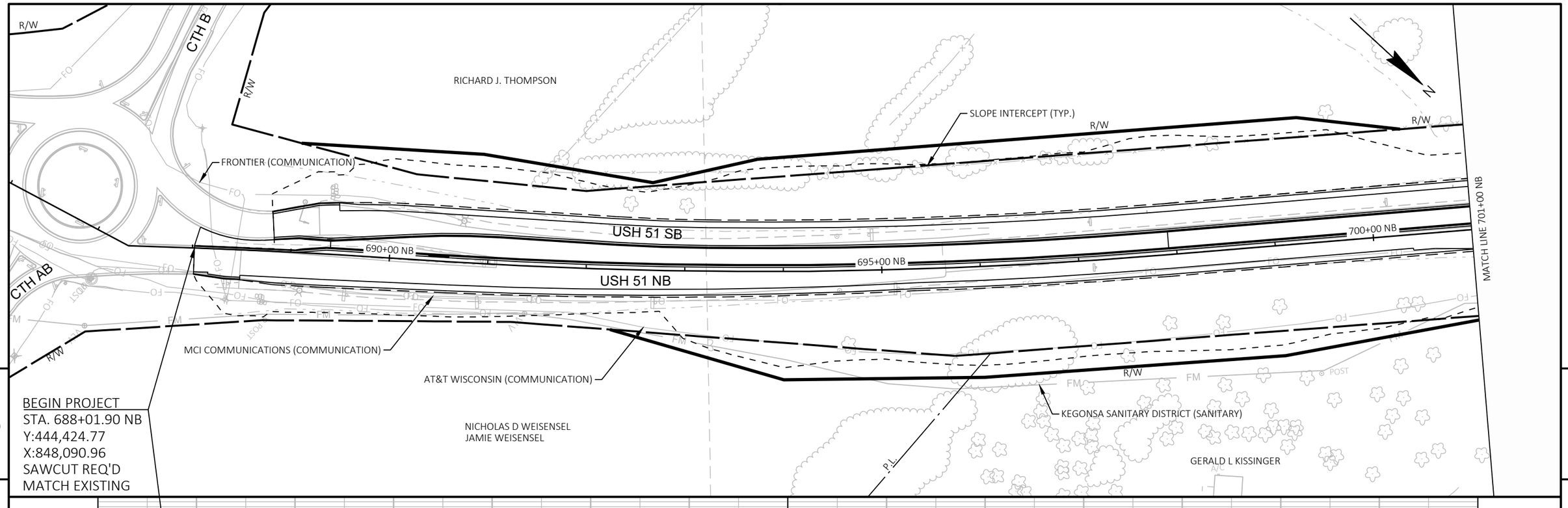
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Cory Schlagel DATE: 9/27/23
PRINT NAME: CORY SCHLAGEL

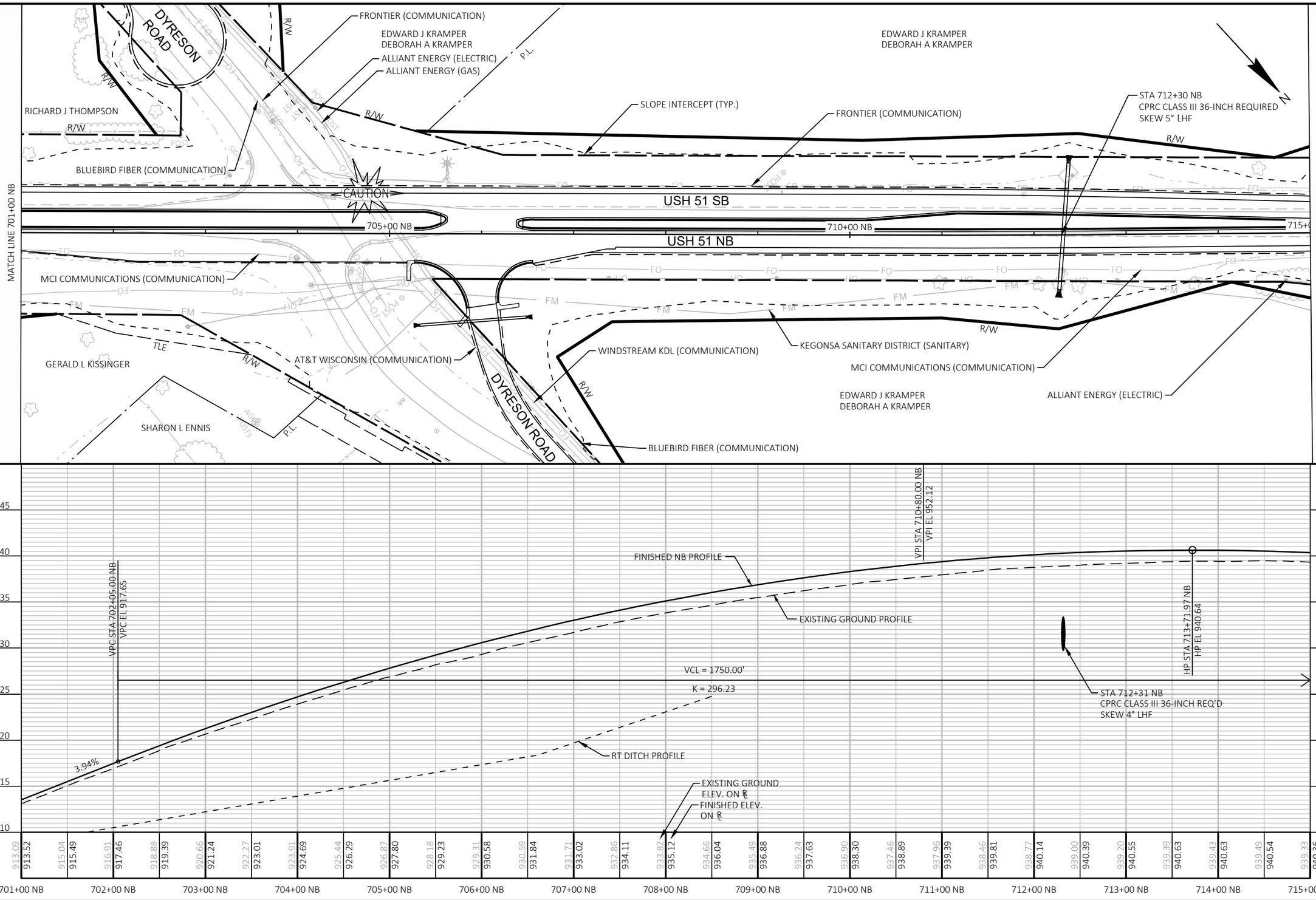
FILE NAME : S:\MAD\1000--1099\1089\981\DRAWINGS\CAD\CIVIL 3D\RW\DWG\040101_RP.DWG
APPRAISAL PLAT DATE : 9/27/23
PLOT DATE : 9/27/2023 11:05 AM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE :

4

4



PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: USH 51 NB	SHEET 194	E



PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: USH 51 NB	SHEET 195 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101-PP-NB.DWG
LAYOUT NAME - 050102-pp-nb

PLOT DATE : 8/26/2026 9:09 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

EDWARD J KRAMPER
DEBORAH A KRAMPER

STA. 722+71 NB LT
CONSTRUCT P.E.

STA. 724+50 NB LT
CONSTRUCT F.E.

EDWARD J KRAMPER
DEBORAH A KRAMPER

ERIC SCHUTT
JUDY SCHUTT

SLOPE INTERCEPT (TYP.)

FRONTIER (COMMUNICATION)

STA 727+04 NB
CPRC CLASS III 30-INCH REQUIRED
SKEW 0°

MATCH LINE 715+00 NB

MATCH LINE 729+00 NB

720+00 NB

725+00 NB

USH 51

ALLIANT ENERGY (ELECTRIC)

MCI COMMUNICATIONS (COMMUNICATION)

FRONTIER (COMMUNICATION)

KEGONSA SANITARY DISTRICT (SANITARY)

EDWARD J KRAMPER
DEBORAH A KRAMPER

EDWARD J KRAMPER
DEBORAH A KRAMPER

EDWARD J KRAMPER
DEBORAH A KRAMPER

5

5

VPT STA 719+55.00 NB
VPT EL 934.90

FINISHED NB PROFILE

EXISTING GROUND PROFILE

VCL = 1750.00'

K = 296.23

-1.97%

EXISTING GROUND
ELEV. ON ℄

FINISHED ELEV.
ON ℄

STA 727+04 NB
CPRC CLASS III 30-INCH REQ'D
SKEW 1° LHF

RT DITCH PROFILE

945
940
935
930
925
920
915
910
907

939.33 940.36 939.09 940.10 938.82 939.76 938.44 939.33 938.06 938.82 937.53 938.23 936.94 937.55 936.21 936.78 935.48 935.93 934.64 935.00 933.76 934.02 932.80 933.03 931.80 932.05 930.79 931.06 929.78 930.08 928.72 929.09 927.75 928.11 926.73 927.13 925.68 926.14 924.71 925.16 923.67 924.17 922.69 923.19 921.71 922.21 920.82 921.22 919.73 920.24 918.78 919.25 917.72 918.27 916.72 917.29 915.70 916.30

715+00 NB | 716+00 NB | 717+00 NB | 718+00 NB | 719+00 NB | 720+00 NB | 721+00 NB | 722+00 NB | 723+00 NB | 724+00 NB | 725+00 NB | 726+00 NB | 727+00 NB | 728+00 NB | 729+00 NB

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: USH 51 NB	SHEET 196 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101-PP-NB.DWG
LAYOUT NAME - 050103-pp-nb
PLOT DATE : 4/20/2026 2:55 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

EDWARD J KRAMPER
DEBORAH A KRAMPER

P.L.

N

DELINEATED WETLAND BOUNDARY

R/W

SLOPE INTERCEPT (TYP.)

MATCH LINE 729+00 NB

730+00 NB

735+00 NB

740+00 NB

USH 51

MATCH LINE 743+00 NB

SIGN

TLE

R/W

TLE

FRONTIER (COMMUNICATION)

ALLIANT ENERGY (ELECTRIC)

MCI COMMUNICATIONS (COMMUNICATION)

STA. 729+74 NB RT
CONSTRUCT F.E.

EDWARD J KRAMPER
DEBORAH A KRAMPER

5

5

-1.97%

RT DITCH PROFILE

FINISHED NB PROFILE

EXISTING GROUND PROFILE

VCL = 580.00'

K = 176.71

VPC STA 740+20.00 NB
VPC ELE 894.26

EXISTING GROUND ELEV. ON ℄

FINISHED ELEV. ON ℄

915 910 905 900 895 890 885 880

915.70 916.30 914.67 915.32 913.62 914.33 912.66 913.35 911.66 912.37 910.68 911.38 909.75 910.40 908.79 909.41 907.87 908.43 906.92 907.44 905.91 906.46 904.95 905.48 903.88 904.49 902.82 903.51 901.79 902.52 900.82 901.54 899.77 900.56 898.88 899.57 897.74 898.59 896.76 897.60 895.72 896.62 894.74 895.64 893.75 894.65 892.79 893.69 891.96 892.86 891.37 892.18 890.80 891.63 890.45 891.23 890.25 890.97

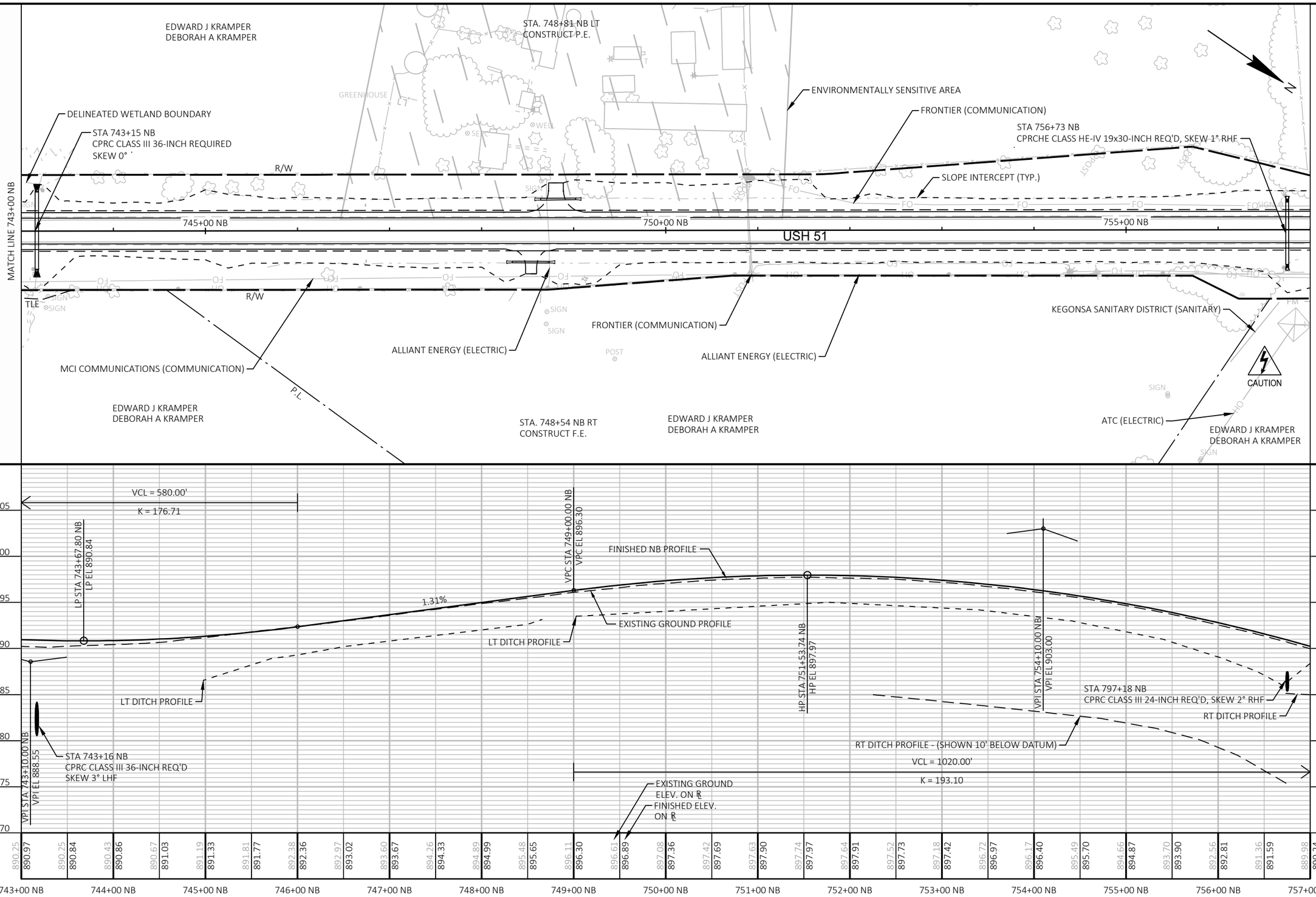
729+00 NB 730+00 NB 731+00 NB 732+00 NB 733+00 NB 734+00 NB 735+00 NB 736+00 NB 737+00 NB 738+00 NB 739+00 NB 740+00 NB 741+00 NB 742+00 NB 743+00 NB

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: USH 51 NB	SHEET 197	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101-PP-NB.DWG
LAYOUT NAME - 050104-pp-nb

PLOT DATE : 4/20/2026 2:55 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

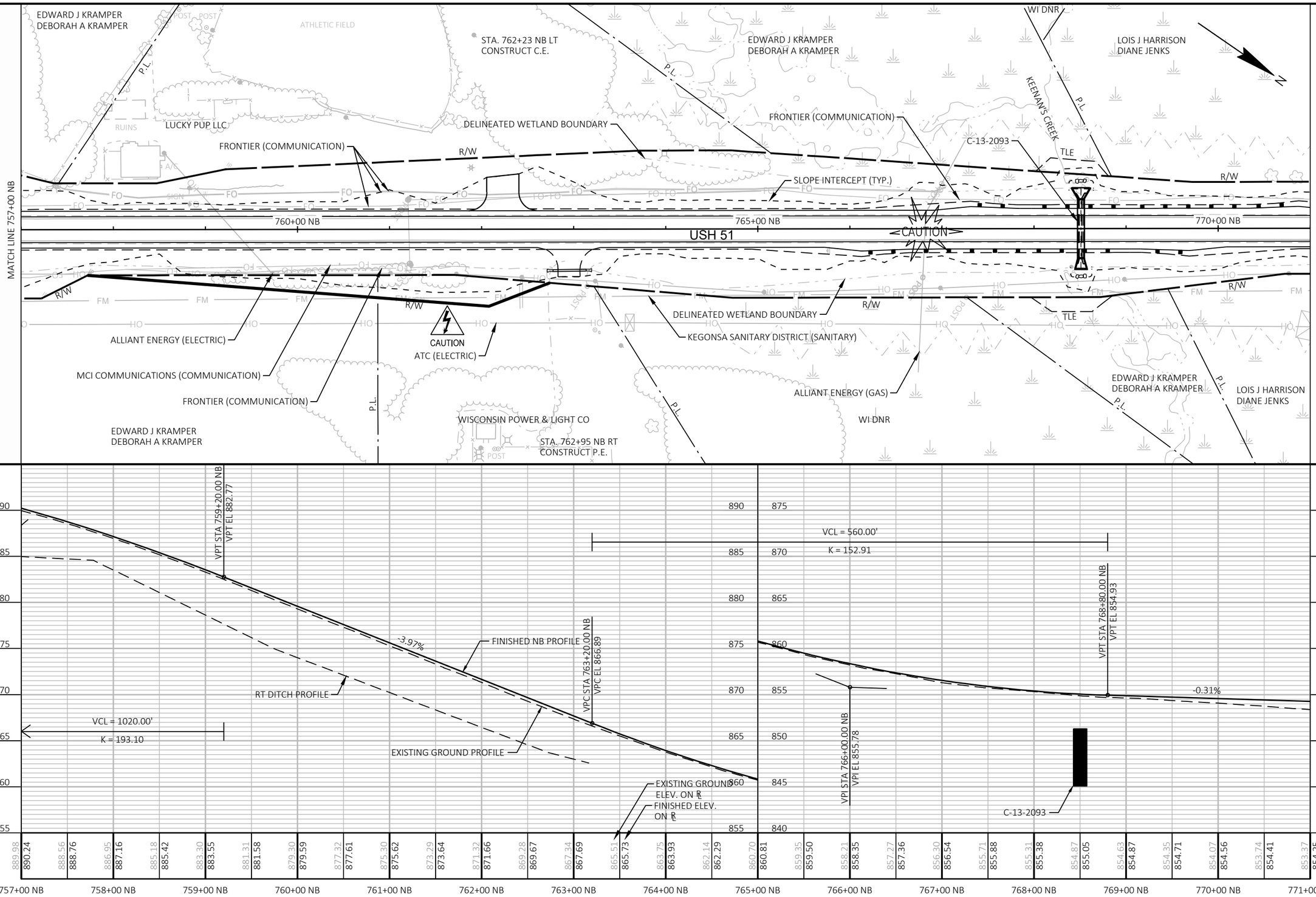


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: USH 51 NB	SHEET 198 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101-PP-NB.DWG
LAYOUT NAME - 050105-pp-nb

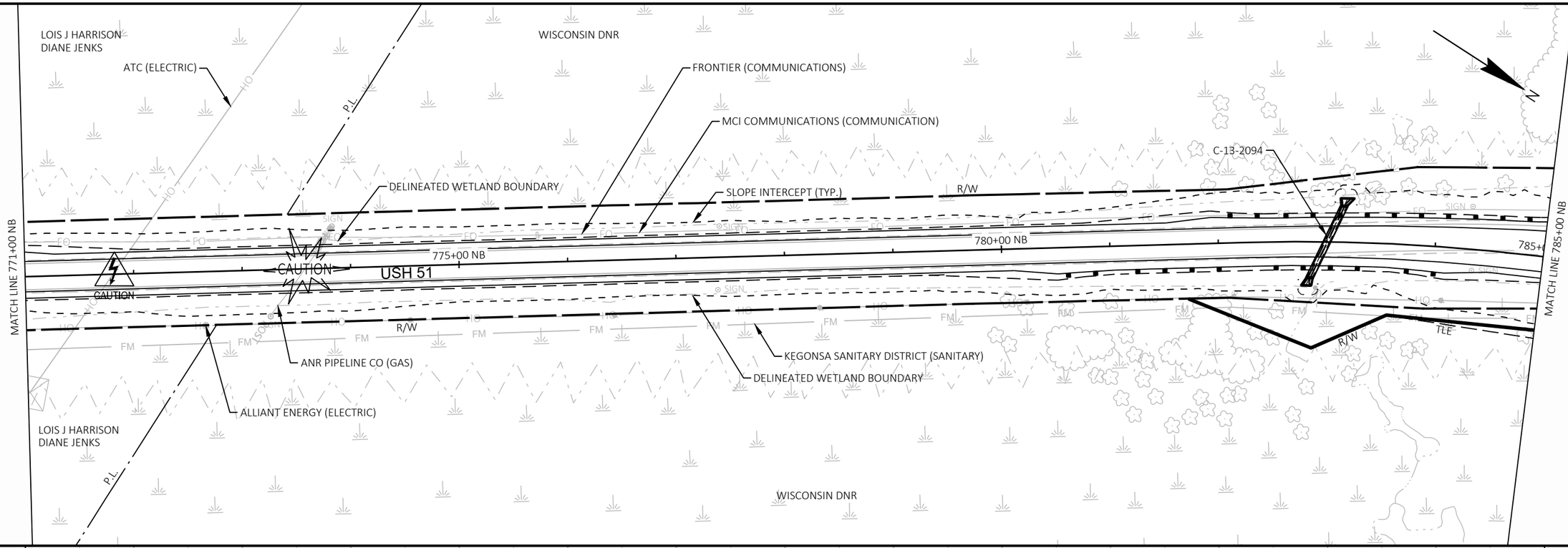
PLOT DATE : 4/20/2026 2:55 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

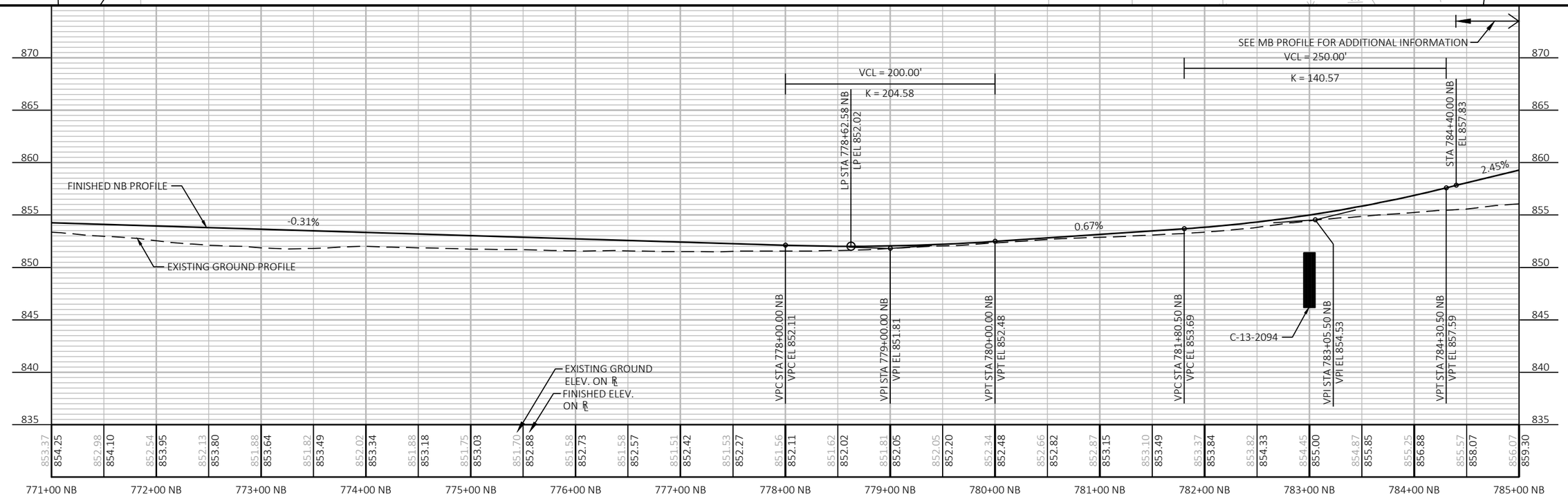
WISDOT/CADDS SHEET 44



PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: USH 51 NB	SHEET 199	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101-PP-NB.DWG
LAYOUT NAME - 050106-pp-nb
PLOT DATE : 8/26/2026 9:13 AM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



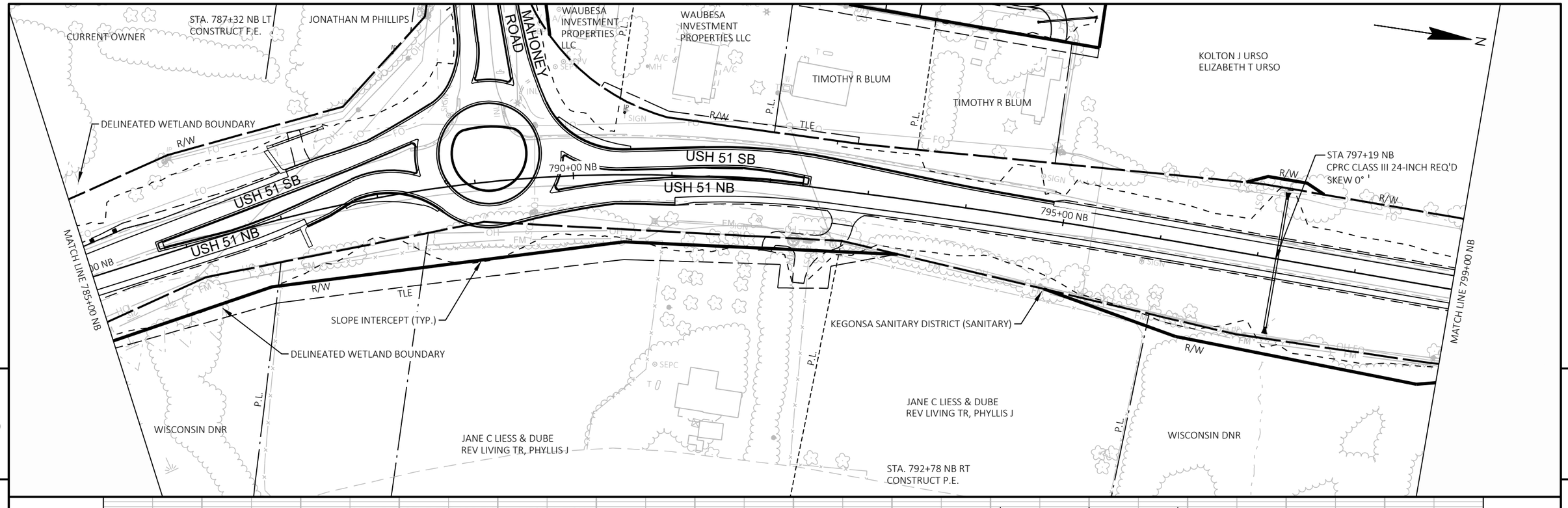


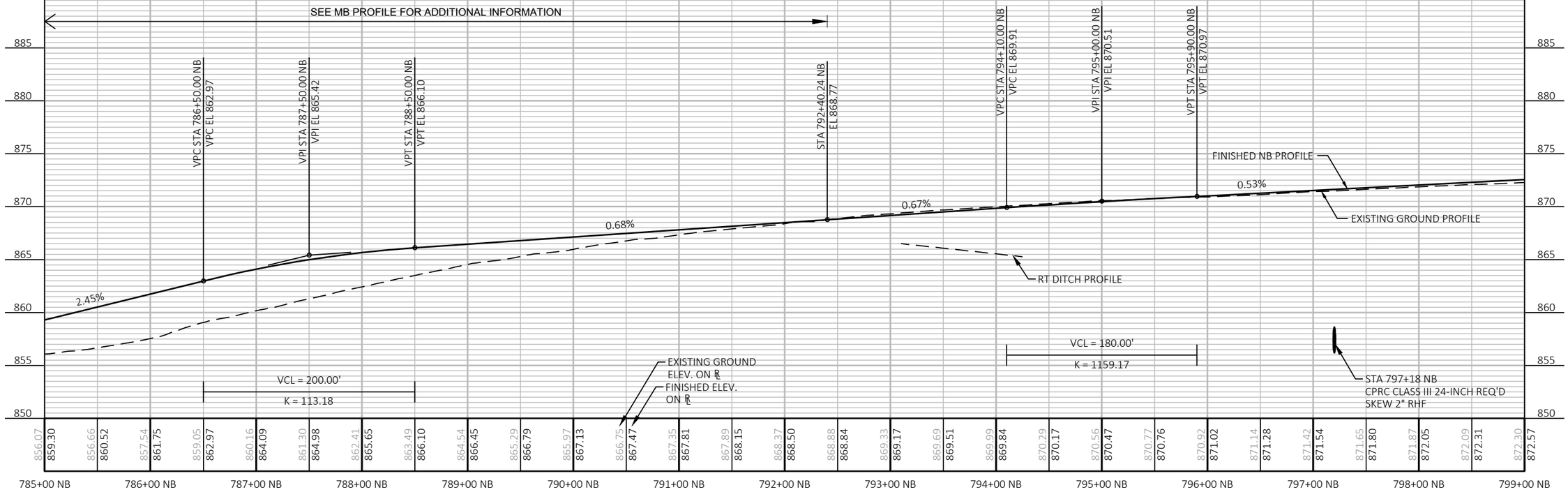
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: USH 51 NB	SHEET 200	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101-PP-NB.DWG
LAYOUT NAME - 050107-pp-nb

PLOT DATE : 8/26/2026 9:13 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: USH 51 NB	SHEET 201 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101-PP-NB.DWG
LAYOUT NAME - 050108-pp-nb

PLOT DATE : 8/14/2026 7:58 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

MATCH LINE 799+00 NB

KOLTON J URSO
ELIZABETH T URSO

MCI COMMUNICATIONS (COMMUNICATION)

FRONTIER (COMMUNICATION)

NURSERY

STA. 807+51 NB LT
CONSTRUCT C.E.

STA. 810+44 NB LT
CONSTRUCT C.E.

VITRUVIAN FARMS LLC

TLE (ACQUIRED UNDER
5845-16-28 TPP)

TLE (ACQUIRED UNDER
5845-16-28 TPP)

SLOPE INTERCEPT (TYP.)

R/W

800+00 NB

805+00 NB

810+00 NB

USH 51

FRONTIER (COMMUNICATION)

ALLIANT ENERGY (ELECTRIC)

KEGONSA SANITARY DISTRICT (SANITARY)

TLE (ACQUIRED UNDER 5845-16-28 TPP)

GROUNDSWELL
CONSERVANCY INC.

STA. 801+55 NB RT
CONSTRUCT F.E.

MILDRED M KIEFER

STA. 807+26 NB RT
CONSTRUCT P.E.

END PROJECT
STA. 810+84.03 NB
SAWCUT REQ'D
MATCH EXISTING

5

5

VCL = 200.00'
K = 168.69

STA 810+84.03 NB
EL 881.67

1.70%

0.51%

FINISHED NB PROFILE

EXISTING GROUND PROFILE

RT DITCH PROFILE

VPC STA 807+30.00 NB
VPC EL 876.84

VPI STA 808+30.00 NB
VPI EL 877.35

VPT STA 809+30.00 NB
VPT EL 879.05

EXISTING GROUND
ELEV. ON ℄

FINISHED ELEV.
ON ℄

890 885 880 875 870 865 860 855

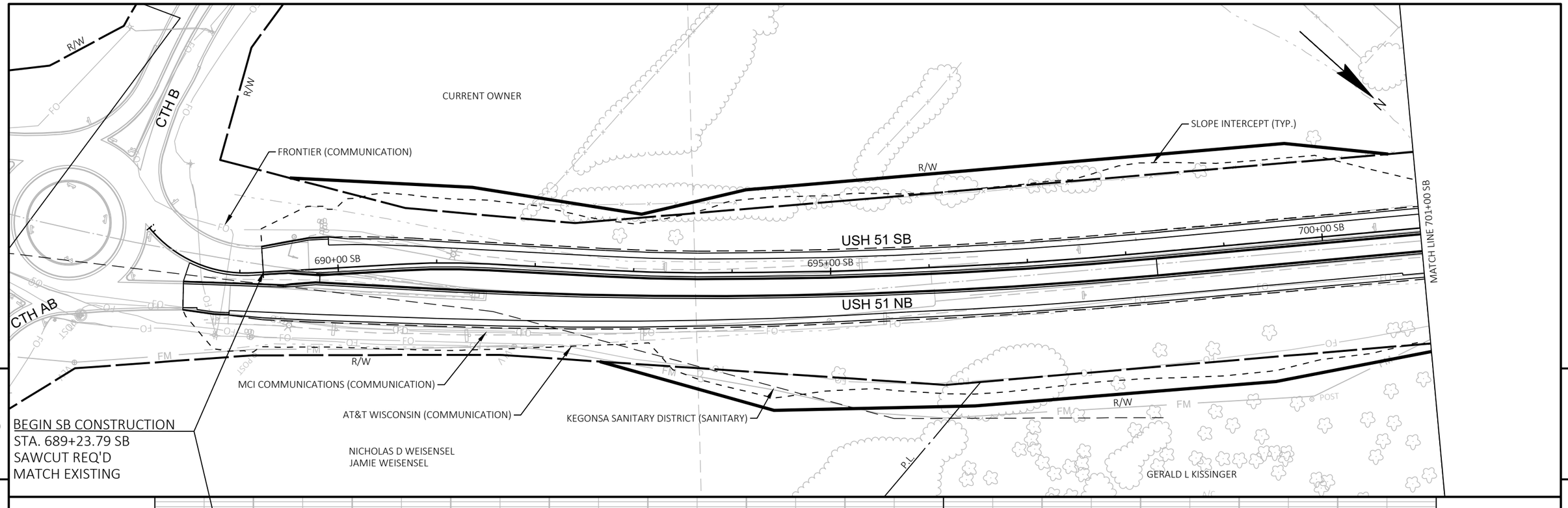
799+00 NB	800+00 NB	801+00 NB	802+00 NB	803+00 NB	804+00 NB	805+00 NB	806+00 NB	807+00 NB	808+00 NB	809+00 NB	810+00 NB	811+00 NB	812+00 NB	813+00 NB
872.30	872.50	872.75	872.93	873.18	873.34	873.67	873.91	874.09	874.31	874.50	874.77	874.97	875.24	875.47
872.57	872.82	873.08	873.34	873.60	873.85	874.11	874.37	874.62	874.88	875.14	875.40	875.65	875.91	876.17
875.92	876.30	876.68	876.84	876.95	877.40	877.34	877.98	877.88	878.73	878.57	879.43	879.39	880.17	880.24
881.00	881.09	881.92	882.89	883.79										
876.43														

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: USH 51 NB	SHEET 202 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050101-PP-NB.DWG
LAYOUT NAME - 050109-pp-nb

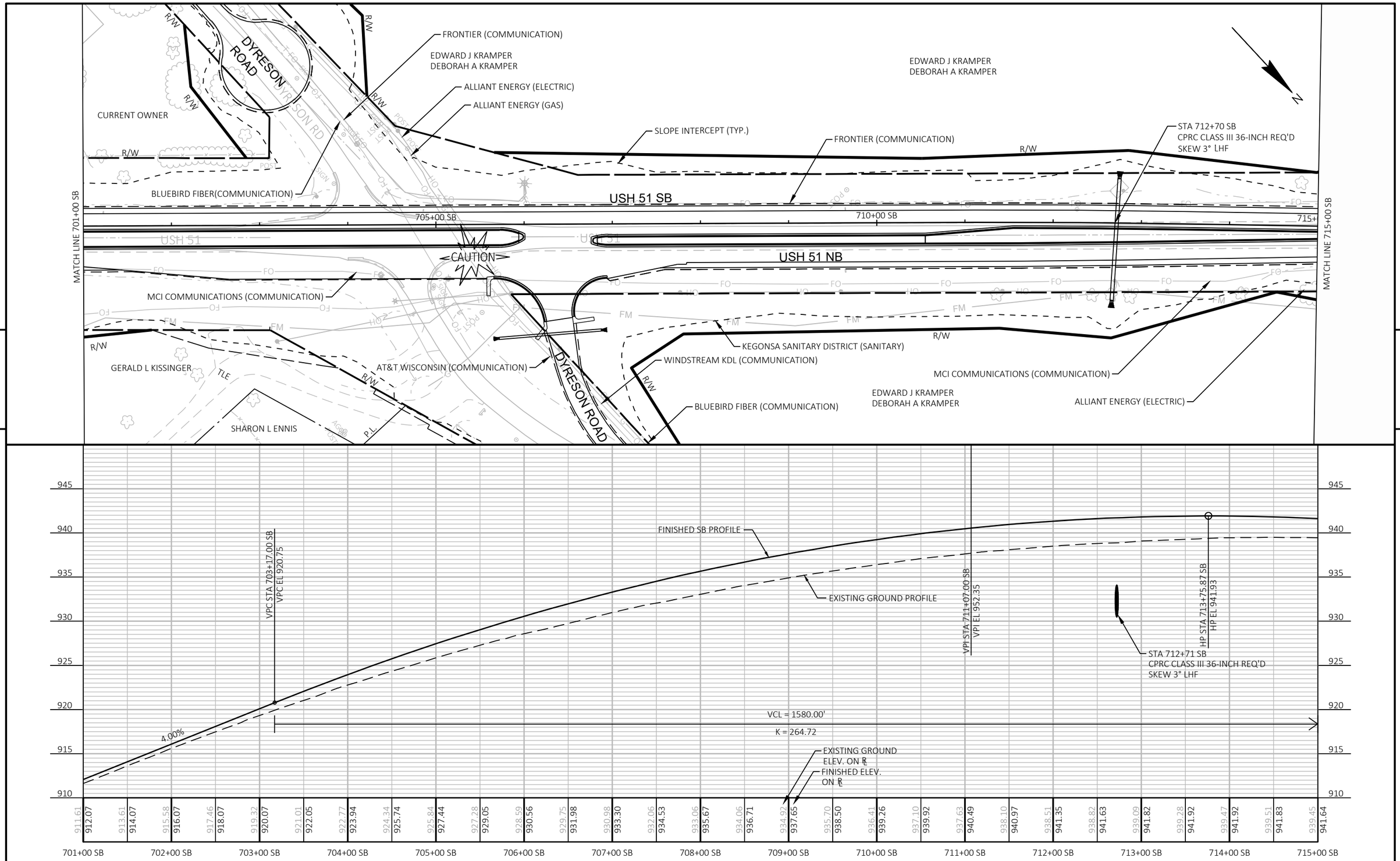
PLOT DATE : 8/14/2026 7:58 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: US 51 SB	SHEET 203 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050110-PP-SB.DWG
LAYOUT NAME - 050110-pp-sb
PLOT DATE : 4/20/2026 2:55 PM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

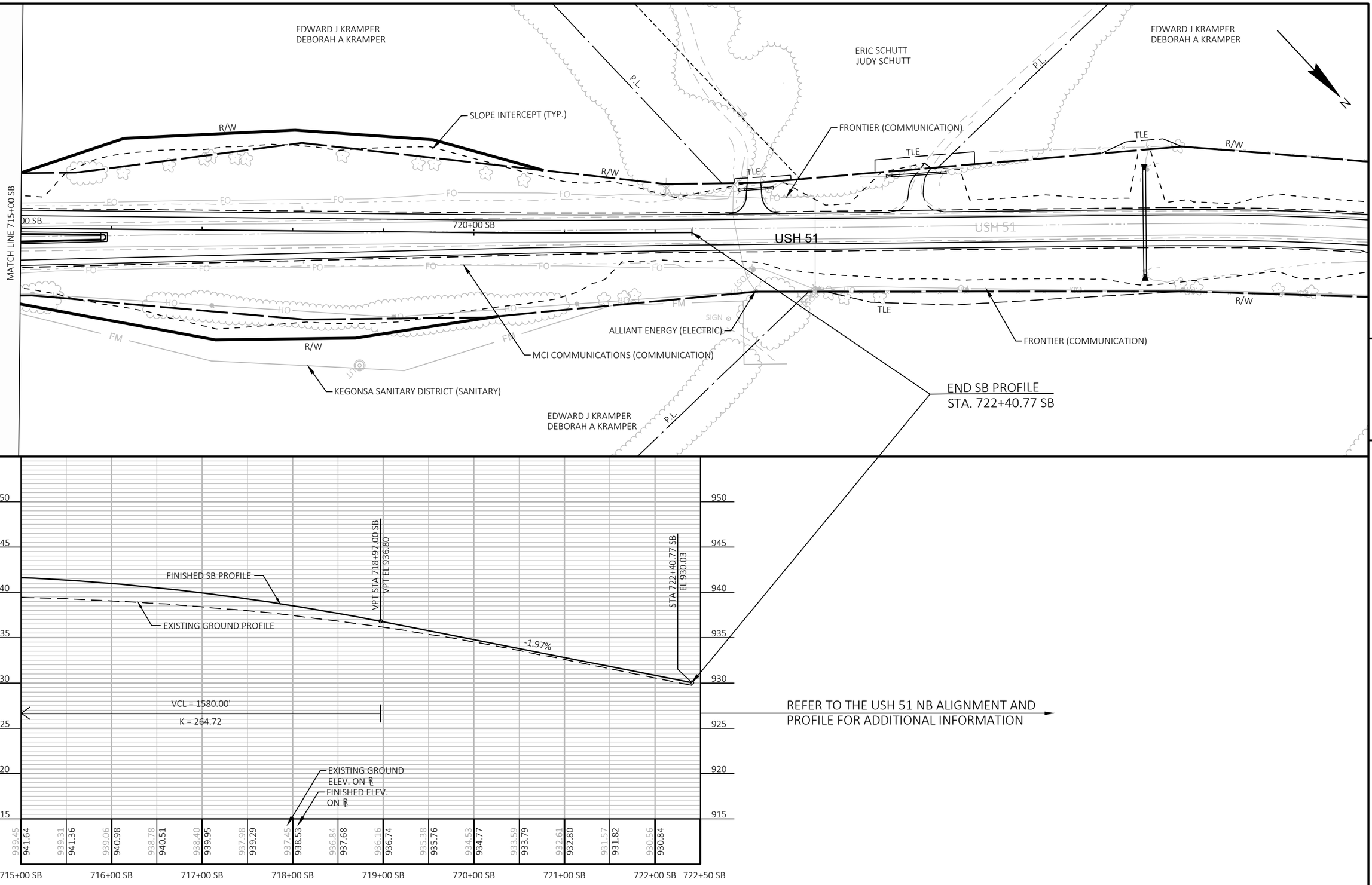


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: US 51 SB	SHEET 204 E

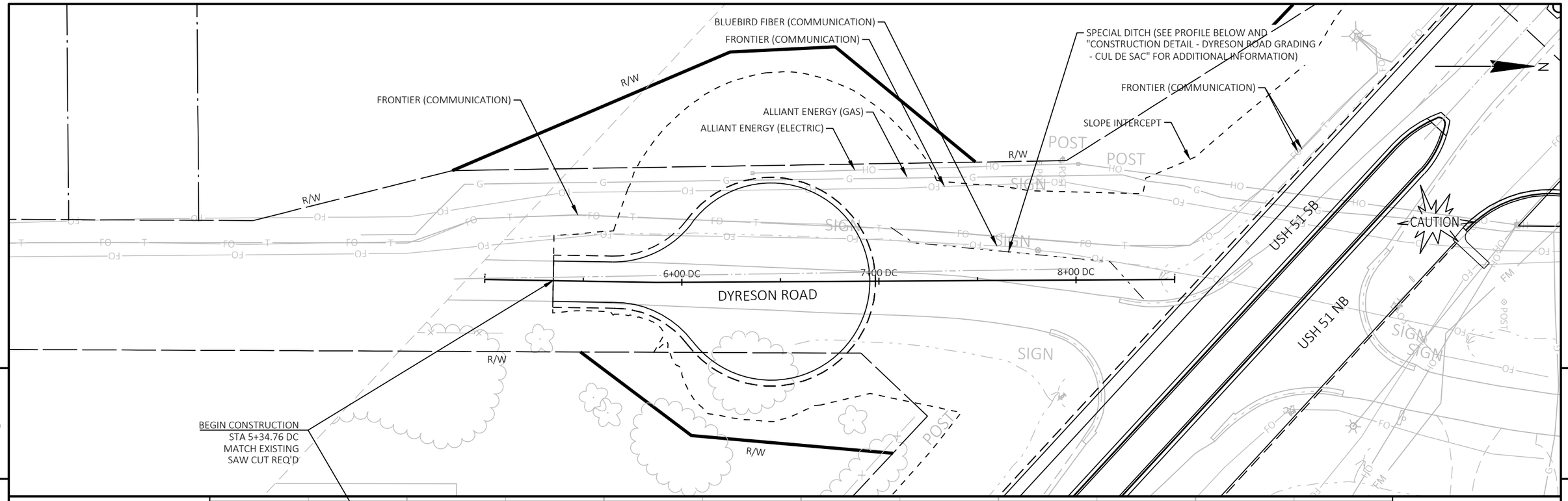
FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050110-PP-SB.DWG
LAYOUT NAME - 050111-pp-sb

PLOT DATE : 8/26/2026 9:08 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



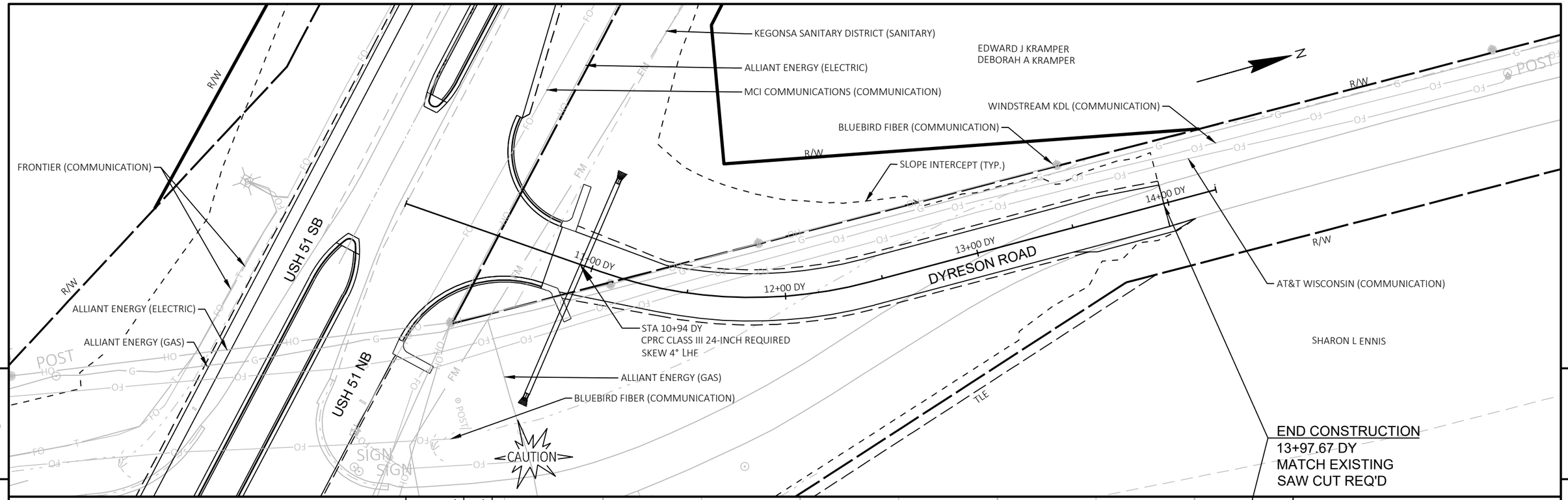
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: US 51 SB	SHEET 205	E

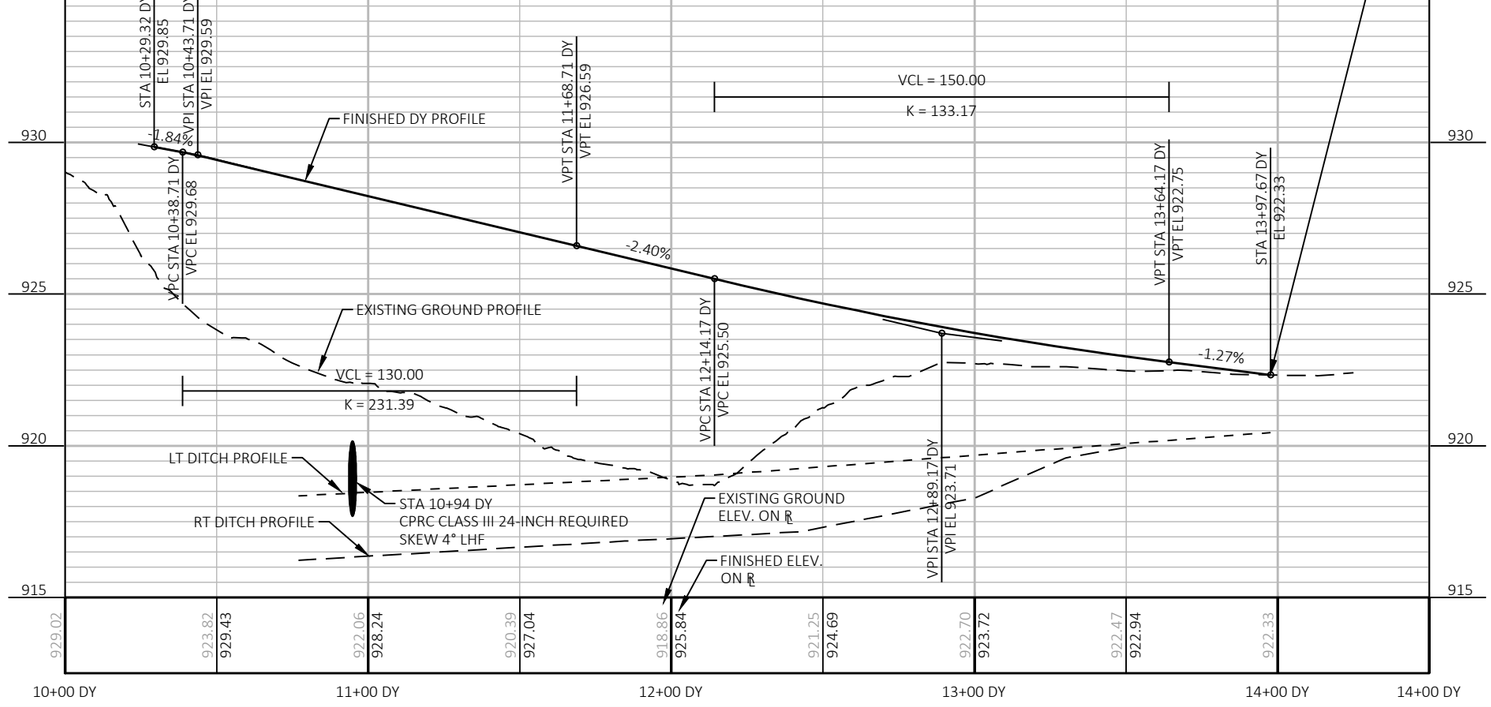


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: DYRESON ROAD CUL DE SAC	SHEET 206	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050121-PP-DC.DWG
LAYOUT NAME - 050121-pp
PLOT DATE : 8/26/2026 9:13 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: DYRESON ROAD	SHEET 207	E

FRONTIER (COMMUNICATION)

ALLIANT ENERGY (ELECTRIC)

STA 10+45 BK
CPRCHE CLASS HE-IV 14x23-INCH REQUIRED
SKEW 5° RHF

STA 13+09 BK RT
CONSTRUCT P.E.

STA 13+60 BK RT
CONSTRUCT C.E.

STA 15+10 BK RT
CONSTRUCT C.E.

STA 16+31 BK RT
CONSTRUCT P.E.

JONATHAN M PHILLIPS

KOLTON J URSO
ELIZABETH T URSO

N

SLOPE INTERCEPT (TYP.)

GROUNDSWELL WAY

MAHONEY ROAD

TLE

R/W

P.L.

FRONTIER (COMMUNICATION)

WAUBESA INVESTMENT PROPERTIES LLC

TIMOTHY R BLUM

MCI COMMUNICATIONS (COMMUNICATION)

ALLIANT ENERGY (ELECTRIC)

END CONSTRUCTION
STA 16+80.45 BK

11+00 BK

12+00 BK

13+00 BK

14+00 BK

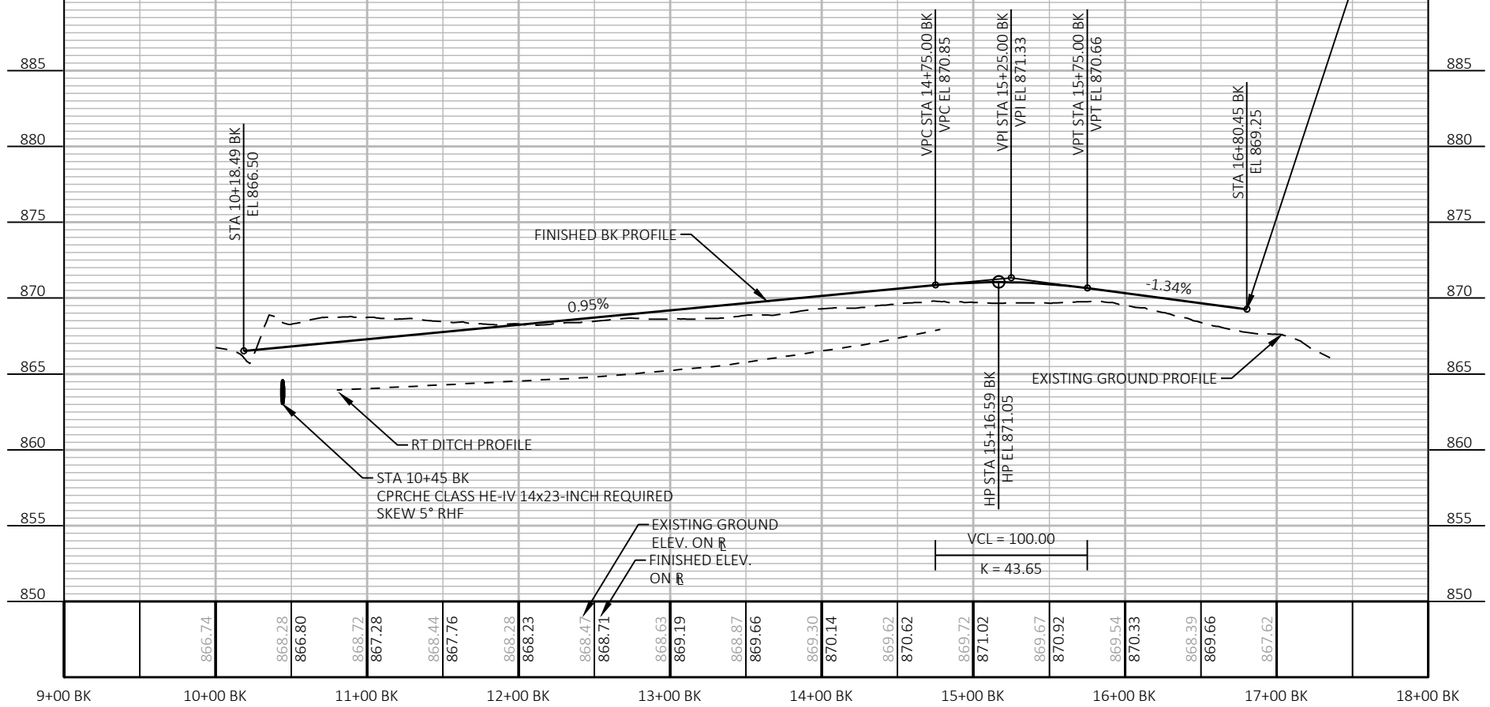
15+00 BK

16+00 BK

17+00 BK

5

5

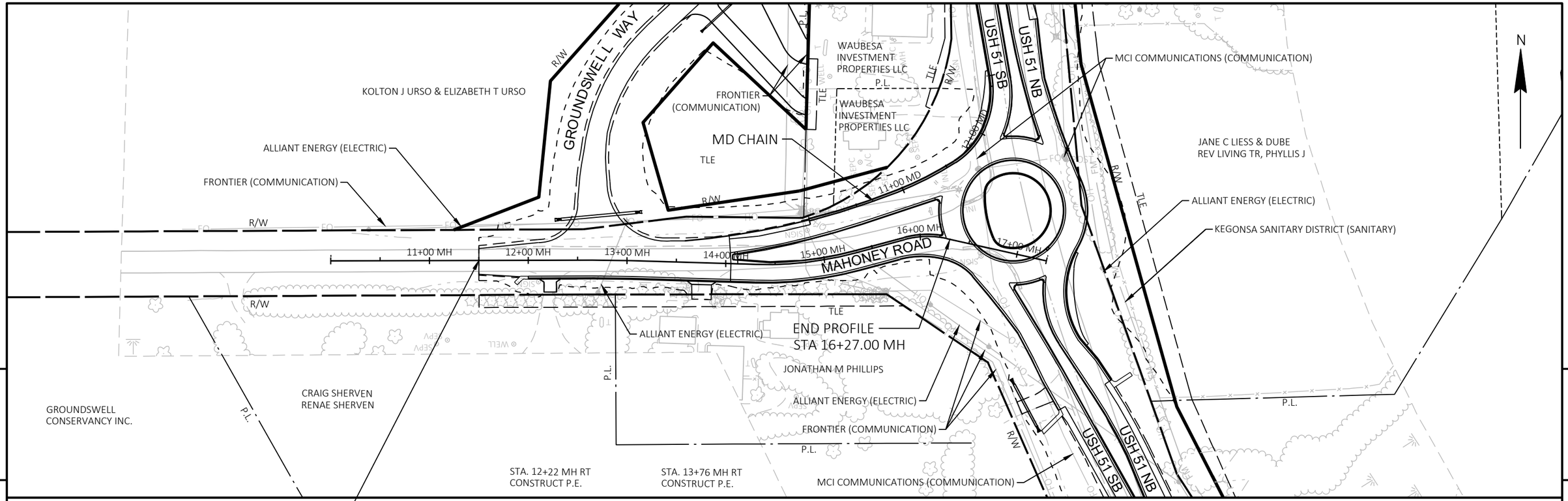


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: BACKAGE ROAD	SHEET 208	E

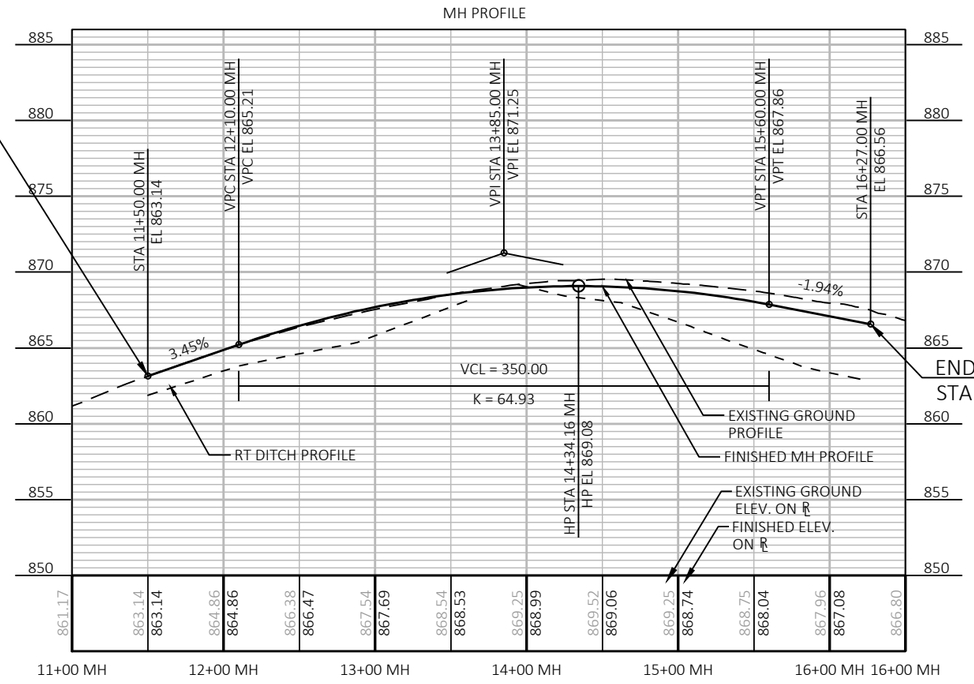
FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050120-PP-BK.DWG
LAYOUT NAME - 050120-pp-bk-1

PLOT DATE : 4/20/2026 2:56 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

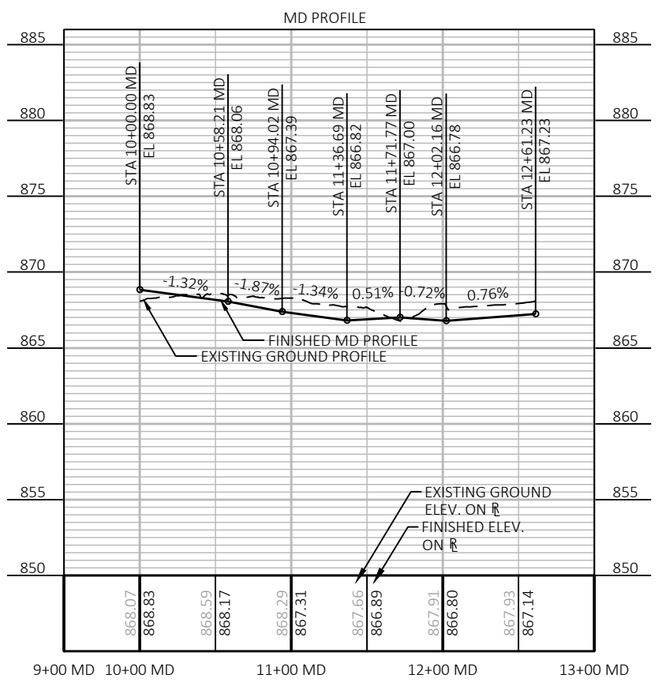
WISDOT/CADDS SHEET 44



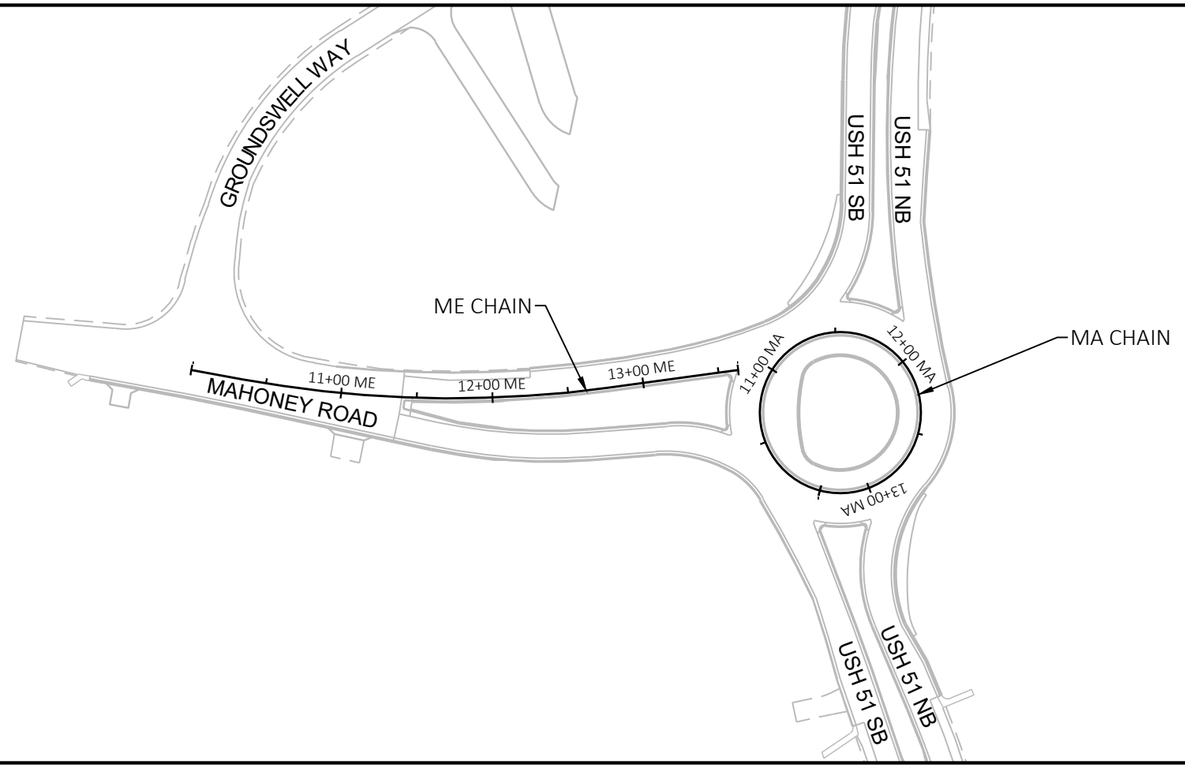
BEGIN CONSTRUCTION
STA 11+50 MH
MATCH EXISTING
SAW CUT REQUIRED

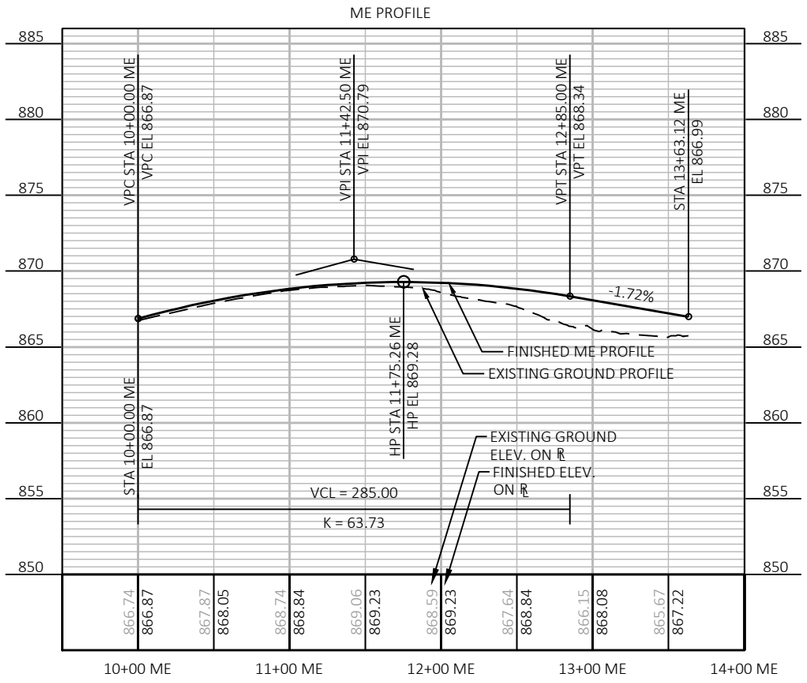


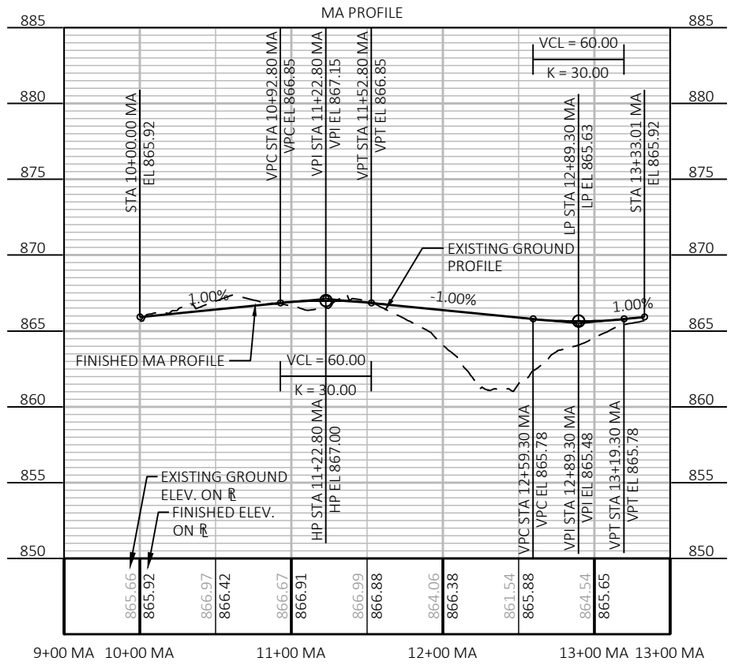
END PROFILE
STA 16+27.00 MH



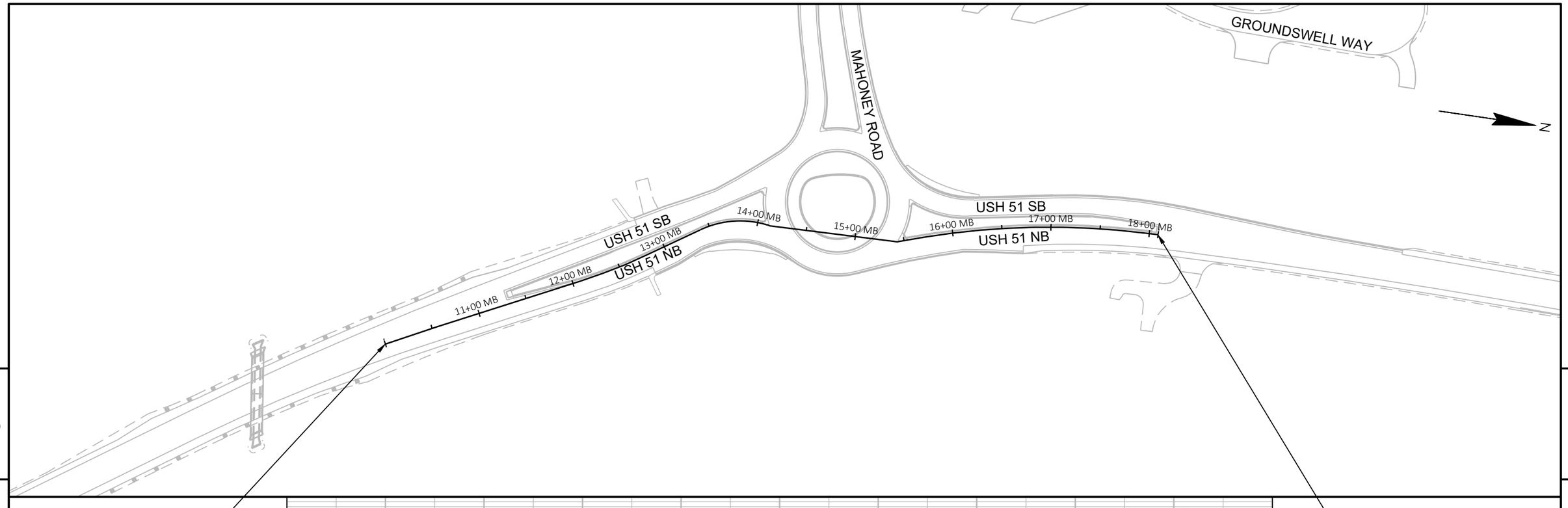
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: MAHONEY ROAD (MH AND MD CHAINS)	SHEET 209	E







PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN AND PLOTTING: ME AND MA CHAINS	SHEET 210 E

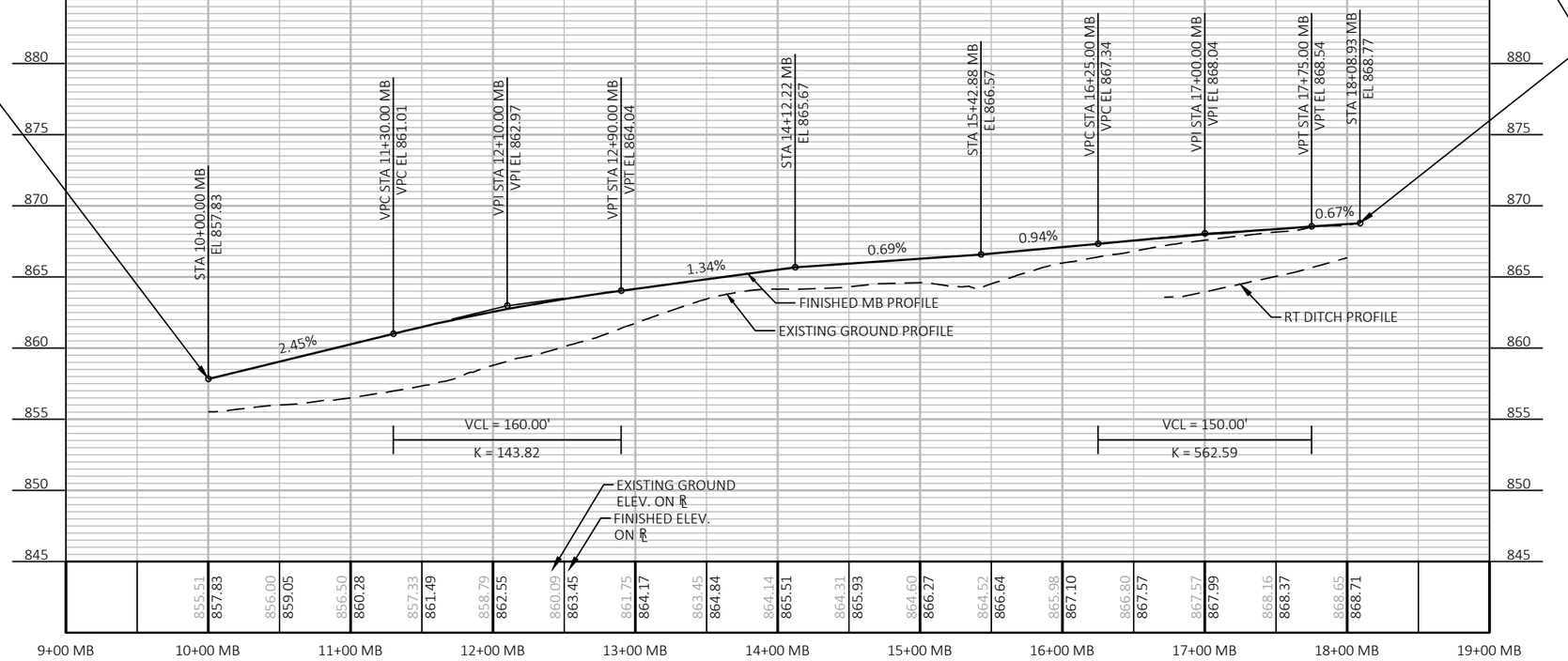


5

5

BEGIN PROFILE
STA. 10+00 MB

END PROFILE
STA. 18+08.93 MB

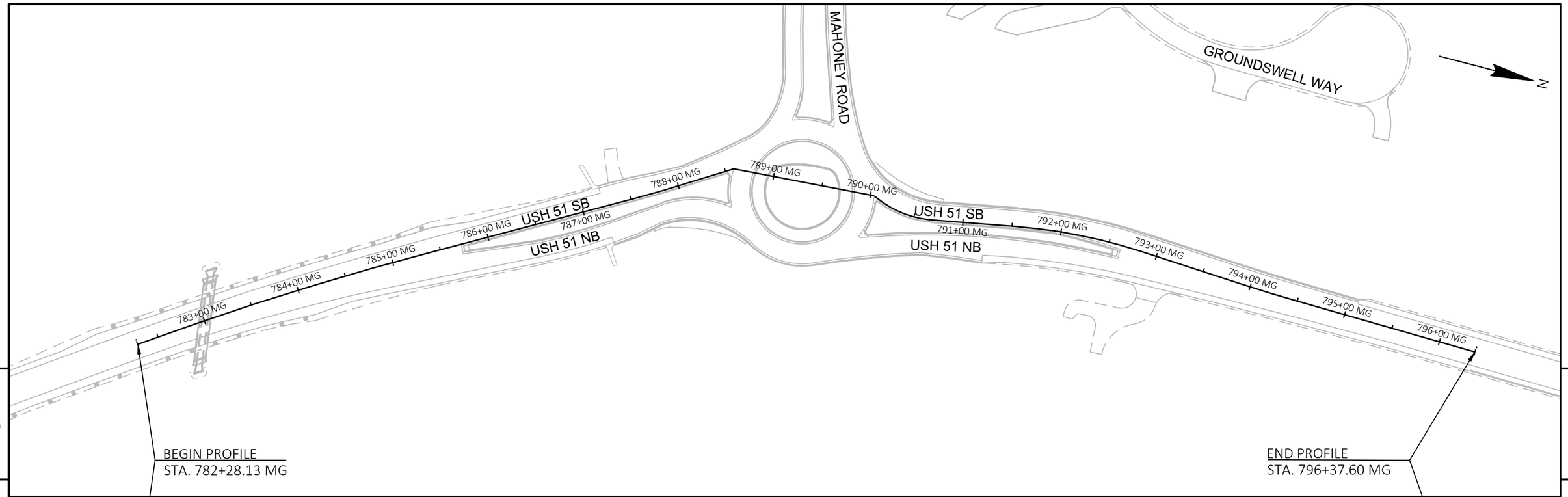


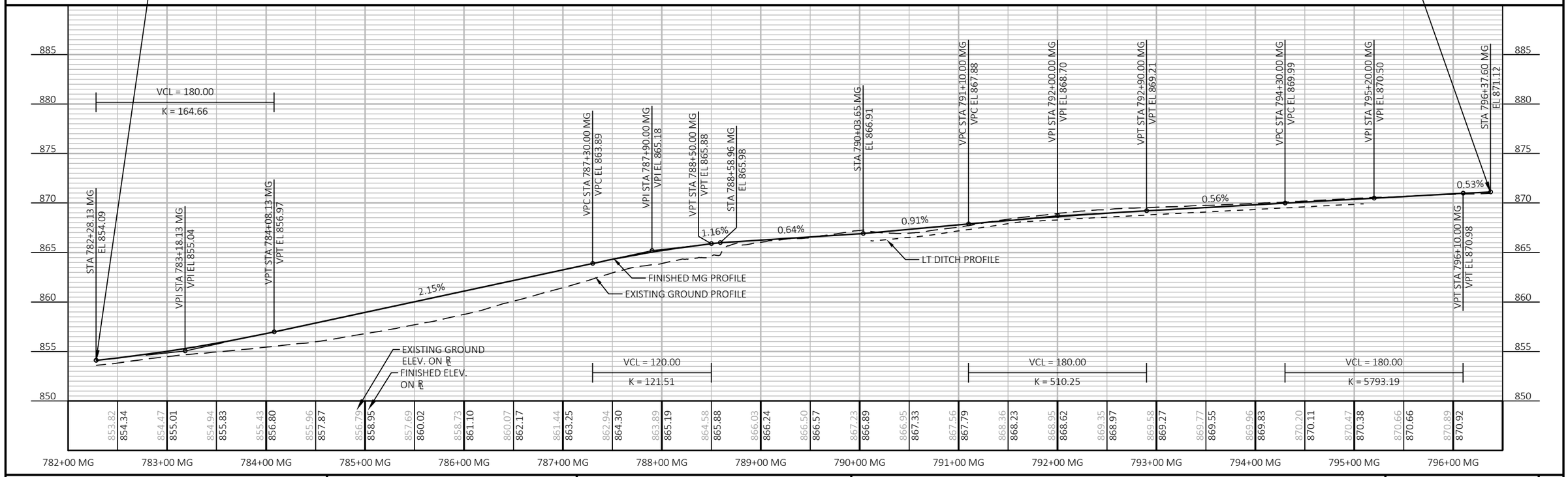
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: MB CHAIN	SHEET 211 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050114-PP-MB.DWG
LAYOUT NAME - 050115-pp-mb

PLOT DATE : 4/27/2026 1:13 PM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:100 FT

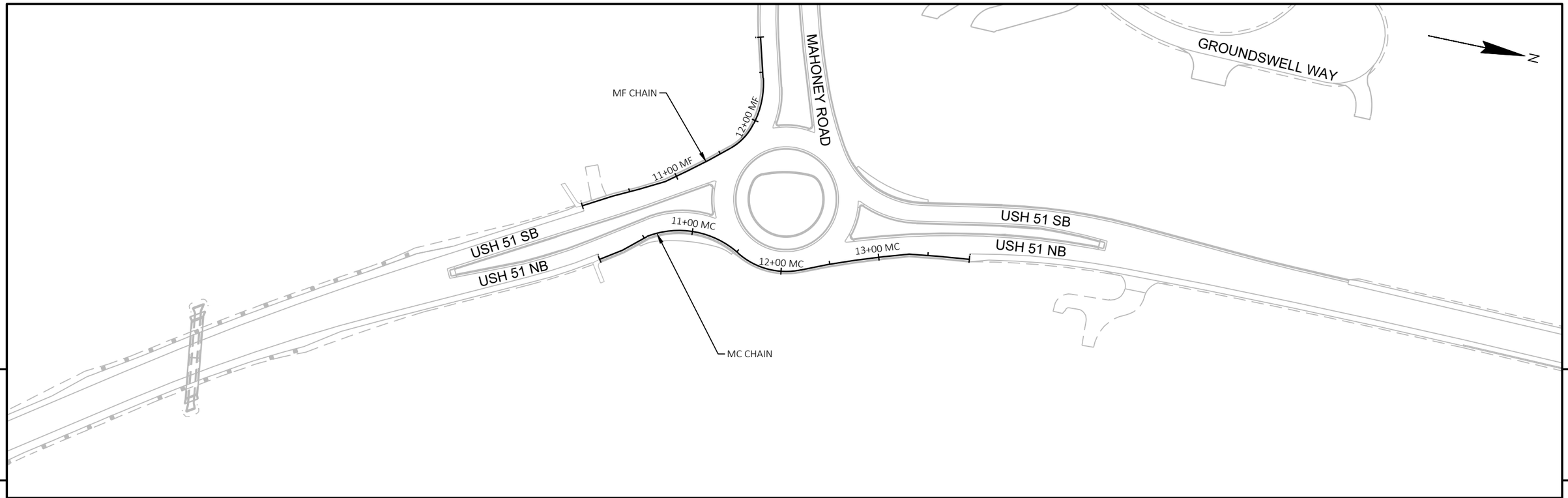
WISDOT/CADDS SHEET 44





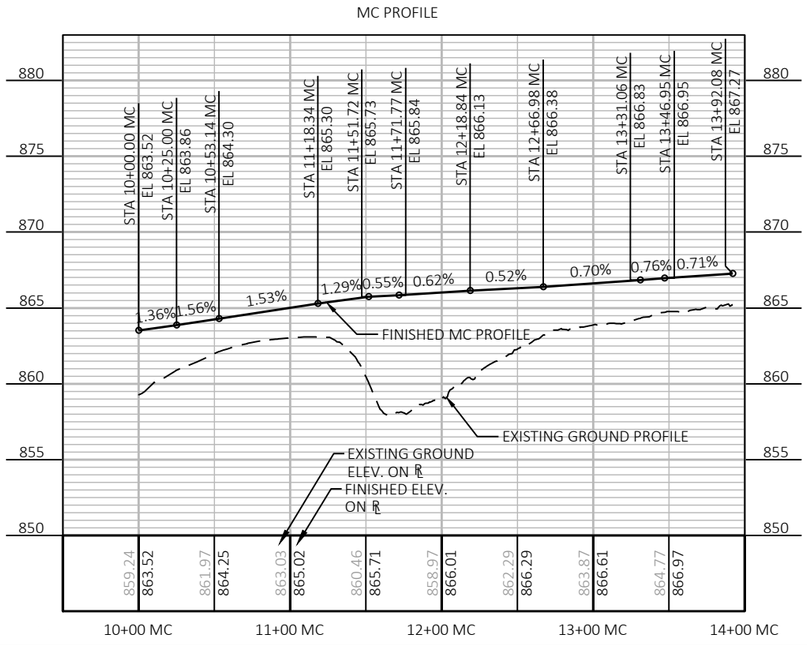
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: MG CHAIN	SHEET 212 E

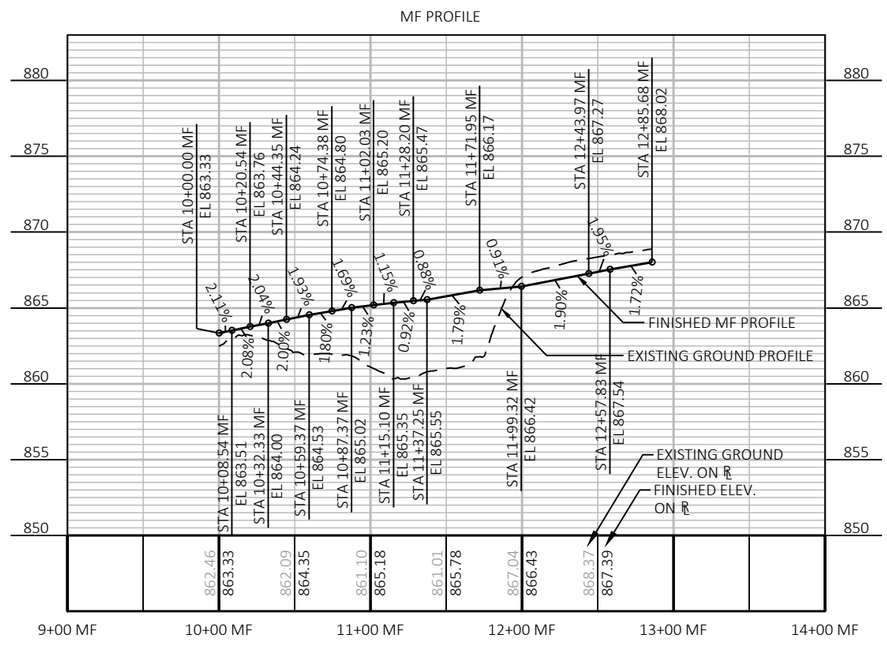
FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050116-PP-MG.DWG
LAYOUT NAME - 050116-pp-mg
PLOT DATE : 4/20/2026 2:57 PM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



5

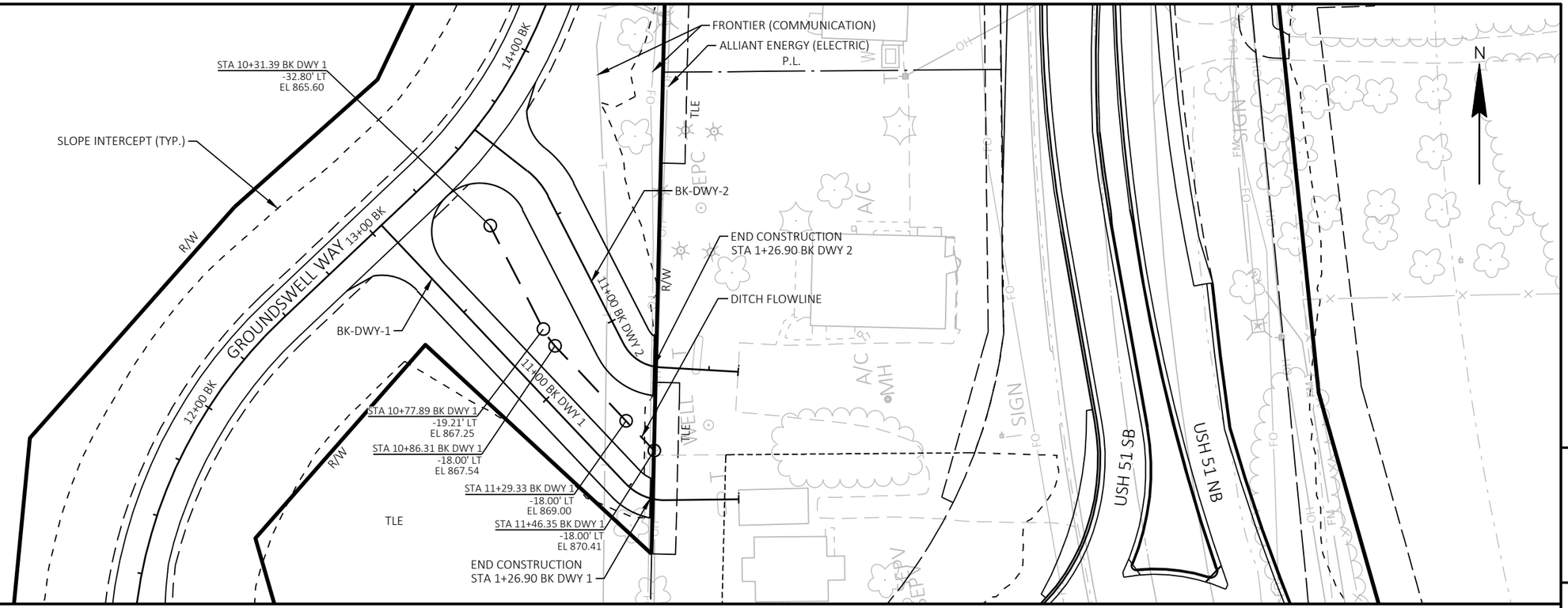
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: MC AND MF CHAINS	SHEET 213 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050115-PP-MC-MF.DWG
LAYOUT NAME - 050115-pp-mc-mf
PLOT DATE : 4/20/2026 2:57 PM
PLOT BY : HABERKORN, DEVEN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: GROUNDSWELL WAY DRIVEWAYS	SHEET 214	E

Standard Detail Drawing List

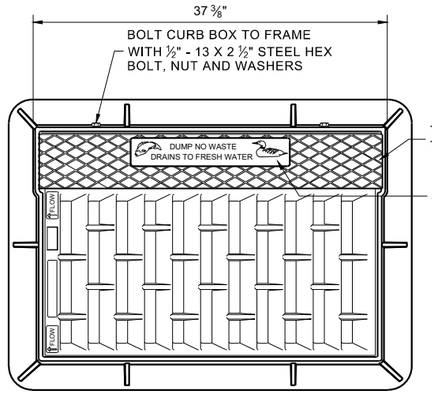
08A05-22A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-22B	INLET COVERS TYPE B, B-A, C, MS, MS-A, DW & WM
08A05-22C	INLET COVERS TYPE F, HM, HM-S, S, T, HM-GJ & HM-GJ-S
08B09-04	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C06-03	INLETS 3-FT AND 4-FT DIAMETER
08C07-03	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT & 2X3.5-FT
08C08-03	INLETS MEDIAN 1 AND 2 GRATE
08D01-24A	CONCRETE CURB & GUTTER
08D01-24B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-07	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09A01-14A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09B02-10	CONDUIT
09B16-04	PULL BOX NON-CONDUCTIVE
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C14-03	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D04-03	LIGHTING CONTROL CABINET 120/240 VOLT
09E01-17D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E01-17G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
11B02-02	CONCRETE MEDIAN NOSE
12A03-10	NAME PLATE (STRUCTURES)
13A05-06A	SHOULDER RUMBLE STRIPS, DIVIDED ROADWAY
13A05-06B	SHOULDER RUMBLE STRIPS, DIVIDED ROADWAY
13A10-03B	SHOULDER RUMBLE STRIPS - CONCRETE
13A10-03G	SHOULDER AND EDGE LINE RUMBLE STRIPS - CROSSINGS, INTERSECTIONS, BRIDGES, DRIVEWAYS
13A10-03H	SHOULDER AND EDGE LINE RUMBLE STRIPS - RAILROAD, PASSING, CLIMBING AND BYPASS LANES
13A11-04B	CENTERLINE RUMBLE STRIPS - CONCRETE
13A11-04D	CENTERLINE RUMBLE STRIPS - INTERSECTIONS, DRIVEWAYS, BRIDGES, RAILROADS
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C11-15A	RURAL DOWELED CONCRETE PAVEMENT
13C11-15B	RURAL DOWELED CONCRETE PAVEMENT
13C16-02A	DETAIL FOR RIGHT TURN LANE/TEE INTERSECTION BYPASS LANE ON A CONCRETE ROADWAY
13C16-02B	DETAIL FOR RIGHT TURN LANE/TEE INTERSECTION BYPASS LANE ON A CONCRETE ROADWAY
13C18-08A	CONCRETE PAVEMENT JOINTING
13C18-08B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-08C	CONCRETE PAVEMENT JOINT TYPES
13C18-08D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
13C18-08E	CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS
13C18-08F	CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER
13C19-03	HMA LONGITUDINAL JOINTS
14A02-01	TREE PLANTING DETAIL
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
14B43-04A	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-04C	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
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)
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-10A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-10B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C07-16B	PAVEMENT MARKING WORDS

6

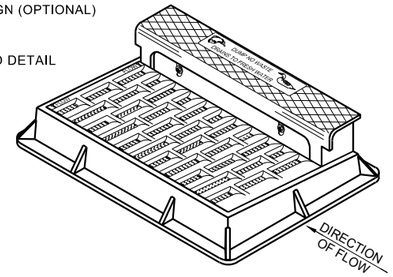
Standard Detail Drawing List

15C07-16C	PAVEMENT MARKING ARROWS
15C07-16D	ROUNDABOUT ARROWS
15C07-16E	PAVEMENT MARKING FOR BIKE LANES
15C08-24A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-24D	PAVEMENT MARKING (TURN LANES)
15C11-11B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C18-09A	MEDIAN ISLAND PAVEMENT MARKINGS
15C18-09B	PAVEMENT MARKINGS, MEDIAN ISLAND NOSE
15C26-04	END-OF-ROADWAY SIGNING
15C29-08A	BICYCLE LANE MARKING
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15D37-03	TRAFFIC CONTROL, 2-LANE ROUNDABOUT

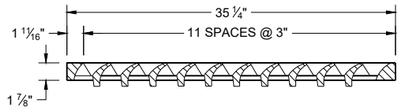
6

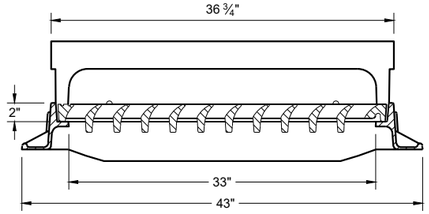


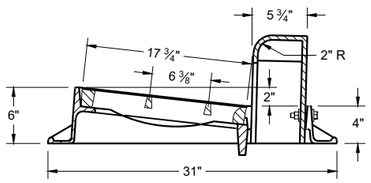
NOTE: EITHER CASTING IS ACCEPTABLE

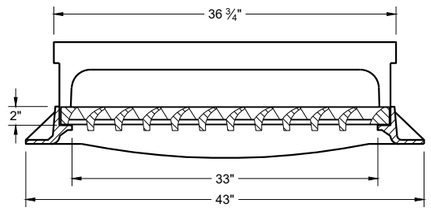


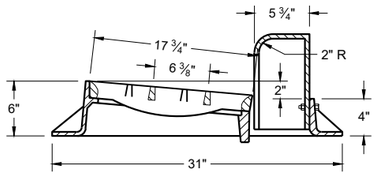
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







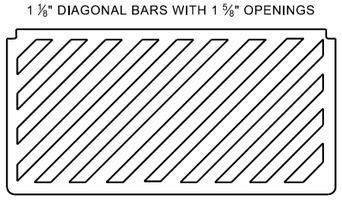




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

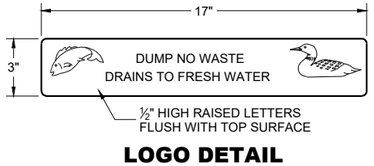
1 ⅛" DIAGONAL BARS WITH 1 ⅝" OPENINGS



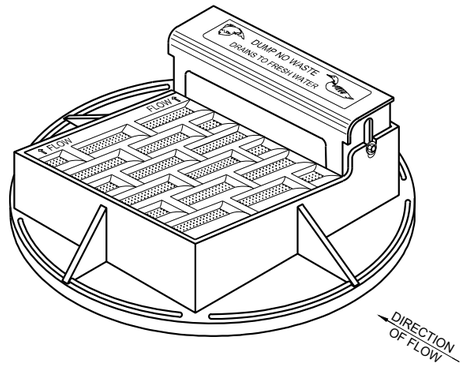
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 ¾" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

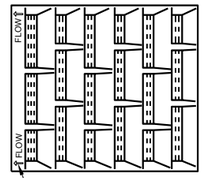


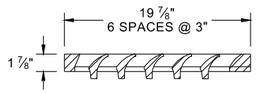
LOGO DETAIL

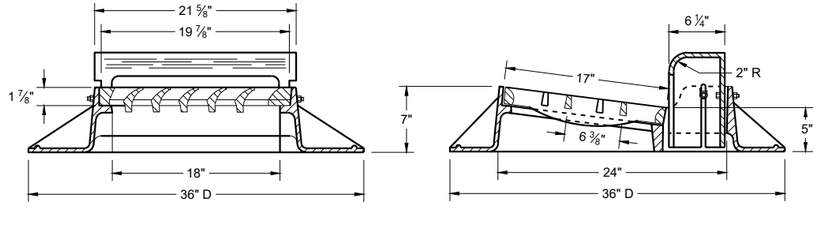


NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE







TYPE "A"

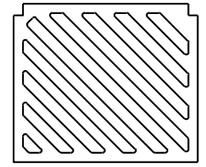
GENERAL NOTES

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.

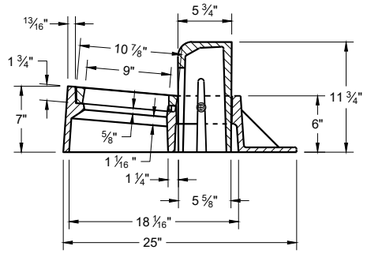
1" DIAGONAL BARS
WITH 1 ½" OPENINGS

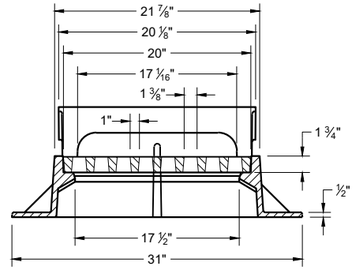


SPECIAL GRATE FOR TYPE "A" COVER

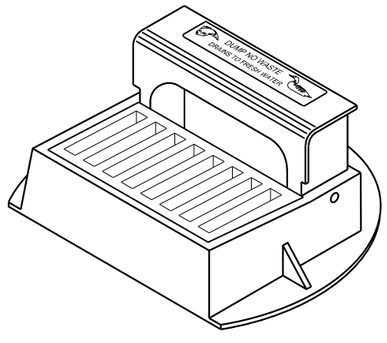
(MEASURES 19 ¾" X 17" X 1 ⅞")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"



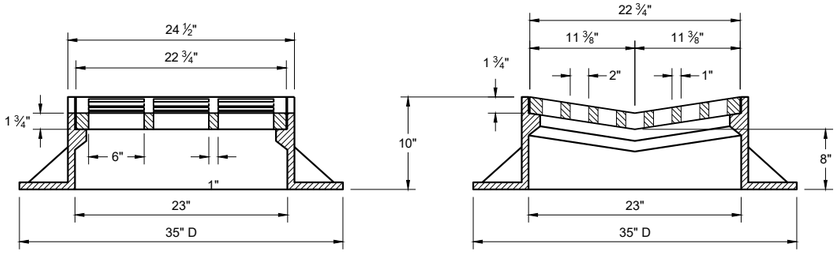
INLET COVERS
TYPES A, H, A-S, H-S AND Z

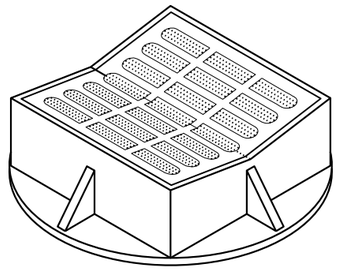
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025
DATE

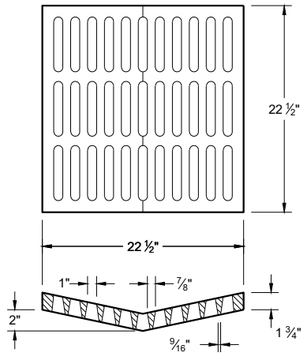
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

FHWA





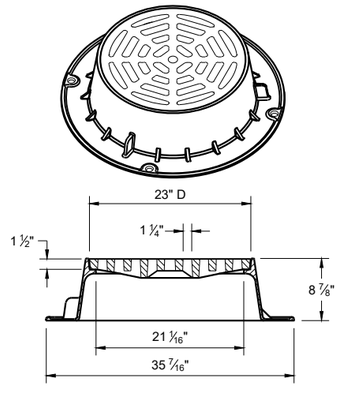
TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS POSSIBLE

NOTED AS TYPE B - A ON THE DRAINAGE TABLE



TYPE "C"

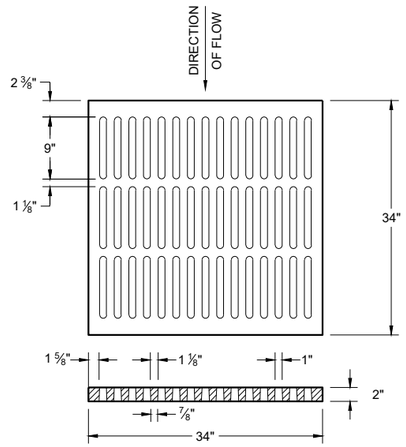
NOTE: EITHER CASTING IS ACCEPTABLE

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.

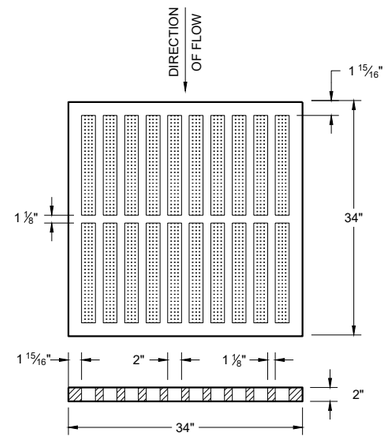
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS PERMITTED

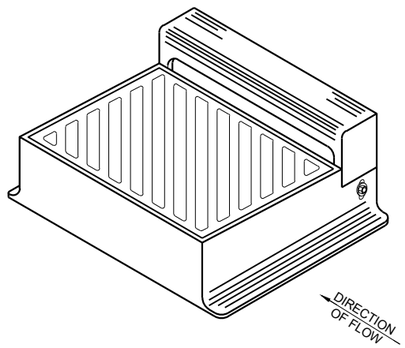
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



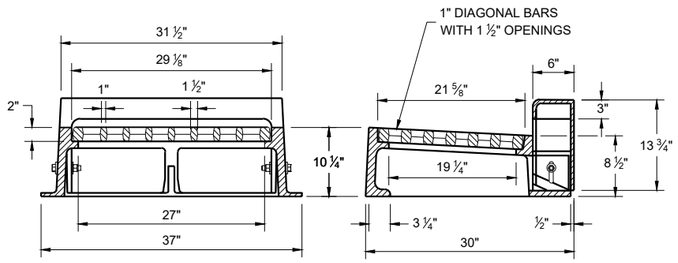
TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON THE DRAINAGE TABLE

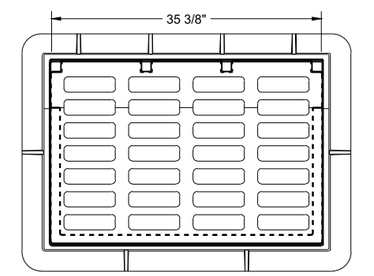


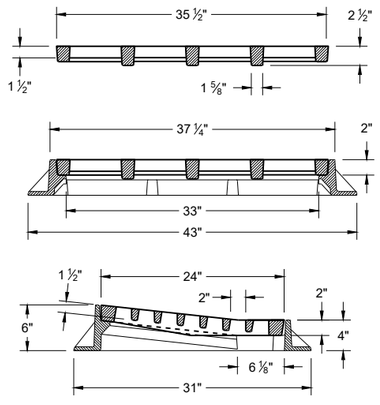
DIAGONAL SLOTS SHALL BE ORIENTEDTO THE DIRECTION OF FLOW AS ILLUSTRATED.
GRATES ARE MANUFACTURED TO BE REVERSIBLE.



TYPE "WM"

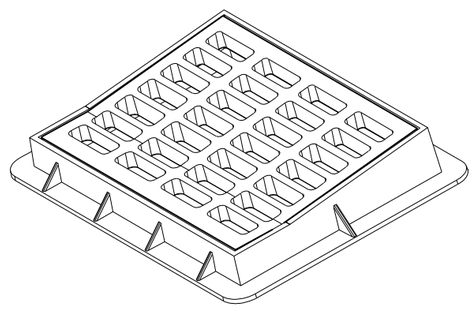
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

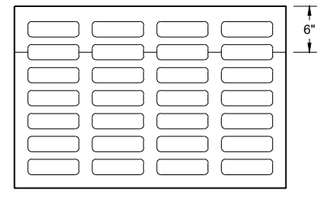




TYPE "DW"

NOTES: FOR USE IN A SUMP CONDITION. THIS OPTION IS ONLY TO BE USED IF NO OTHER INLETS ARE APPLICABLE.





INLET COVERS
TYPES B, B-A, C,
MS, MS-A ,DW AND WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6

SDD 08A05-22b

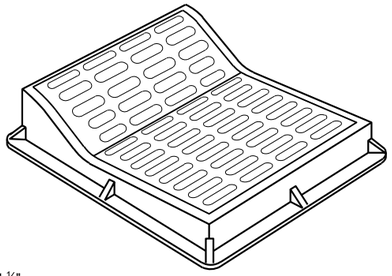
6

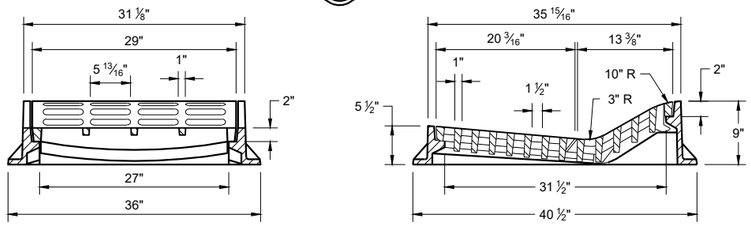
SDD 08A05-22b

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.

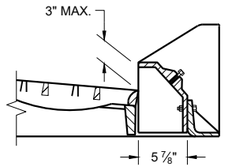
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.





TYPE "F"

USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"

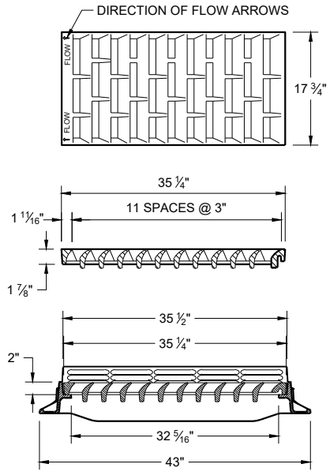


ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

USE WITH TYPES "G" AND "J" CONCRETE CURB AND GUTTER, 30 INCH
NOTED AS TYP "HM-GJ" ON DRAINAGE TABLE

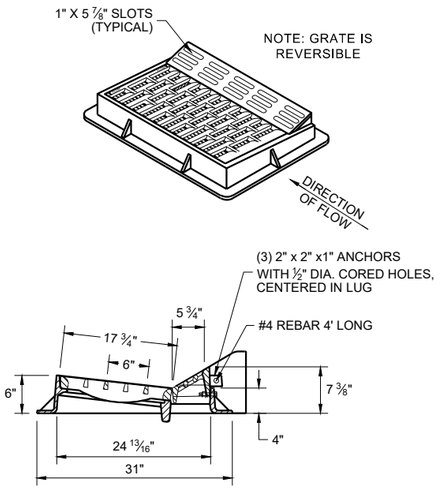
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.



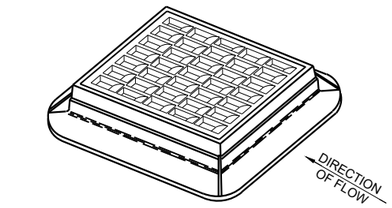
TYPE "HM"

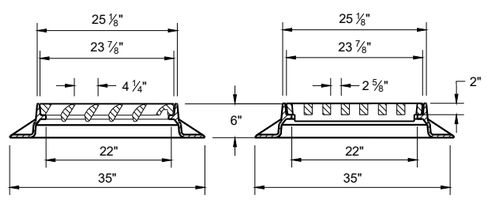
USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"



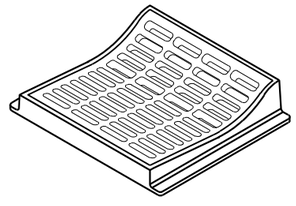
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

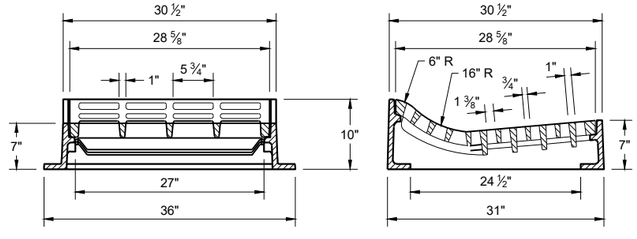
NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.





TYPE "S"





TYPE "T"

USE WITH TYPES "R" AND "T" CONCRETE CURB AND GUTTER, 36"

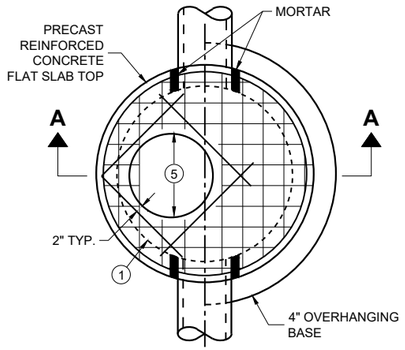
INLET COVERS
TYPES F, HM, HM-S, S, T, HM-GJ AND HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

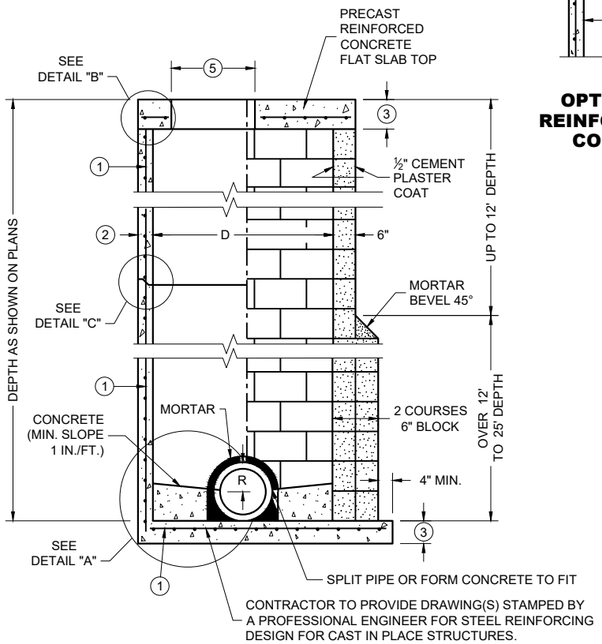
FHWA

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SDD 08A05-22c



PLAN VIEW

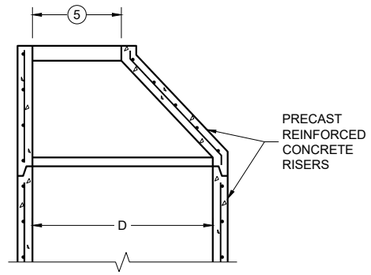
CIRCULAR OPENING



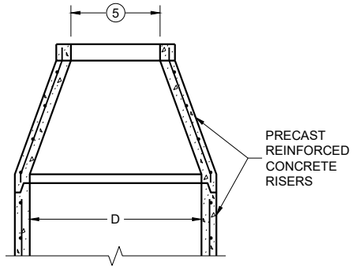
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

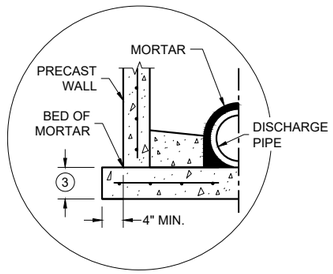
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)



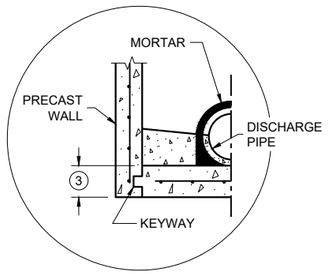
OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

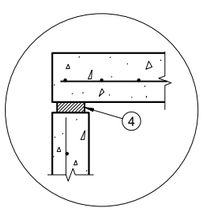


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

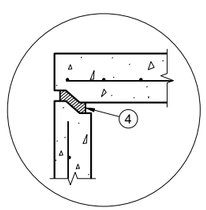


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

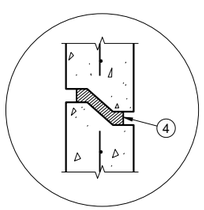
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

DETAIL "C"

MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) (5) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42 *	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES. SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL IMENSION 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".

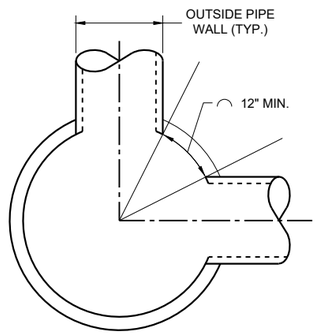
(1) FOR PRECAST MANHOLES AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(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 OR RUBBER GASKETS CONFORMING TO ASTM C443.

(5) SEE MANHOLE COVER OPENING MATRIX.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

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

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December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

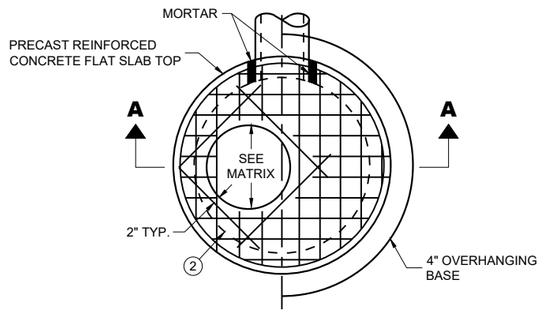
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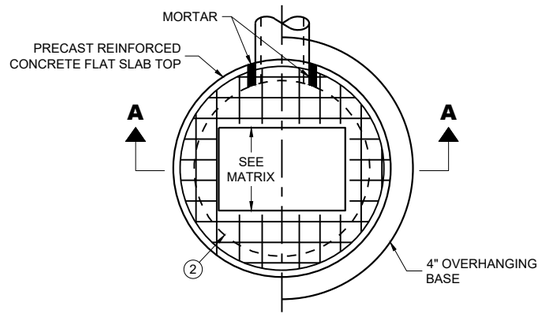
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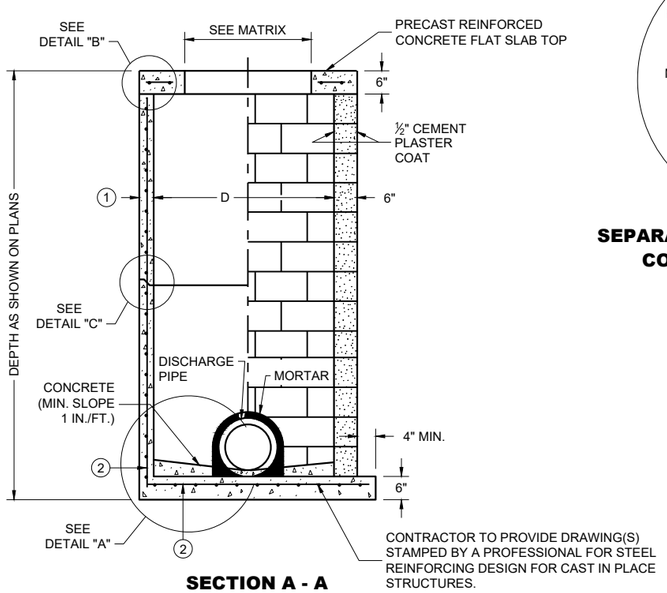
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PLAN VIEW CIRCULAR OPENING



PLAN VIEW RECTANGULAR OPENING



SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (2)

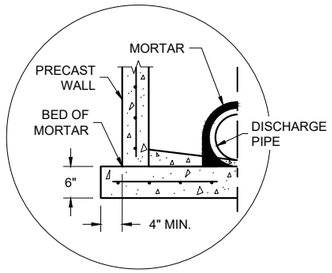
CIRCULAR INLETS WITH FLAT TOP

CATCH BASIN COVER OPENING MATRIX

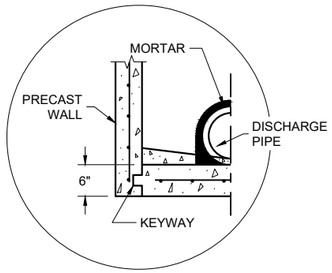
INLET SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V V-B	WM	Z
	OPENING SIZE (FT.)											
3-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
4-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
	2 X 2.5			X				X	X	X	X	
	2 X 3						X					
	2.5 X 3					X						

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

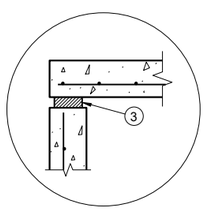


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

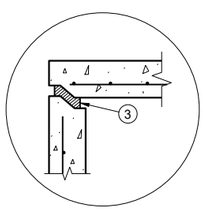


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

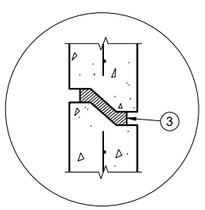
DETAIL "A"



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 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.

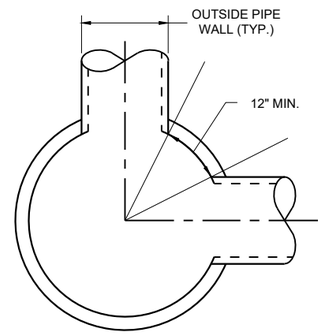
4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

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 "D".

(1) MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT DIAMETER AND 5 INCHES FOR 4-FT DIAMTER PRECAST INLETS.

(2) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(3) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

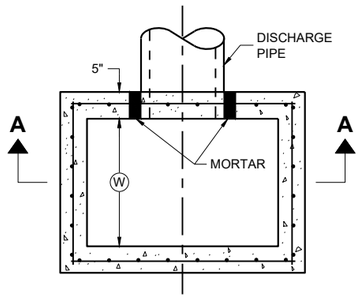
INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

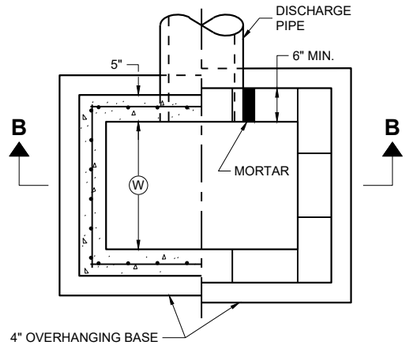
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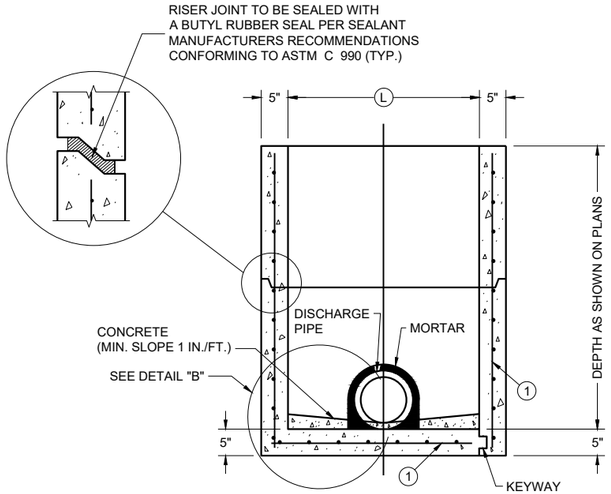
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PLAN VIEW



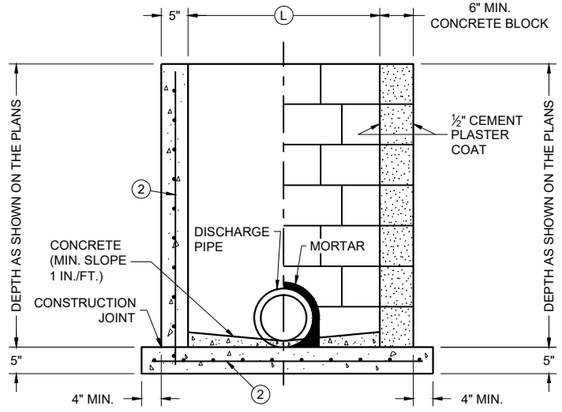
PLAN VIEW



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

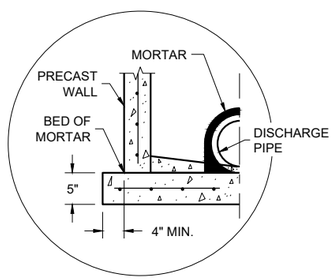
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

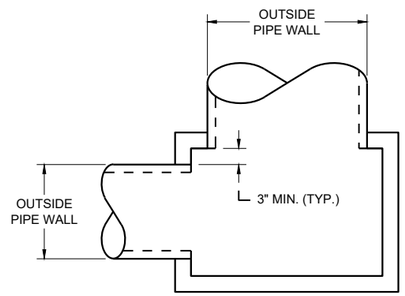
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SECTION B - B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



DETAIL "A"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T 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" 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 AND REINFORCED CONCRETE BASES 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.

CATCH BASIN COVER MATRIX

INLET SIZE	WIDTH (W) (FT.)	LENGTH (L) (FT.)	INLET COVER TYPE									
			ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM	V V-B
2 X 2-FT	2	2	X	X				X				
2 X 2.5-FT	2	2.5			X			X	X	X	X	
2 X 3-FT	2	3					X					
2.5 X 3-FT	2.5	3				X						
2 X 3.5-FT	2	3.5										X

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2 X 2-FT	12	12
2 X 2.5-FT	12	18
2 X 3-FT	12	24
2.5 X 3-FT	18	24
2 X 3.5-FT	12	30

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2X3.5-FT

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2 X 3.5-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

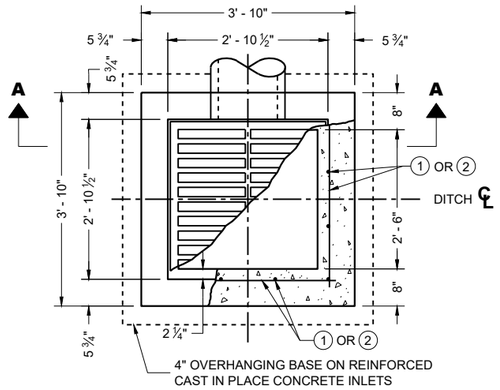
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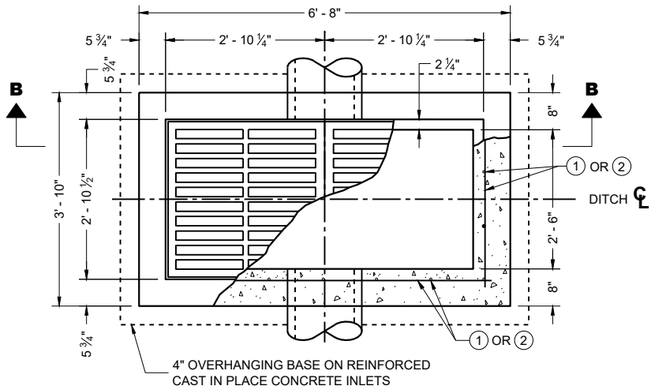
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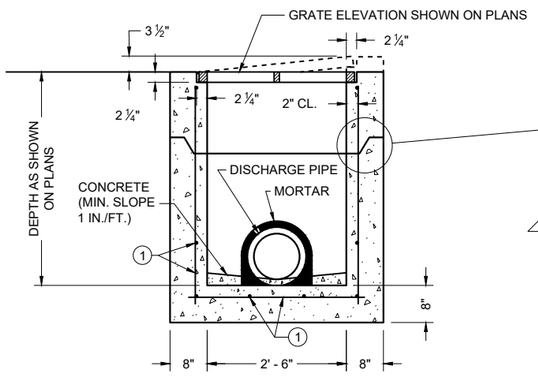
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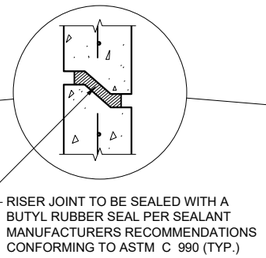
PLAN VIEW

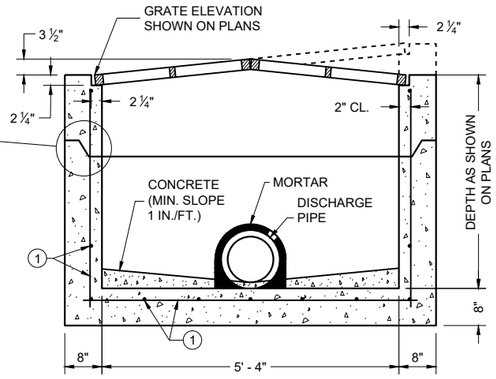


PLAN VIEW

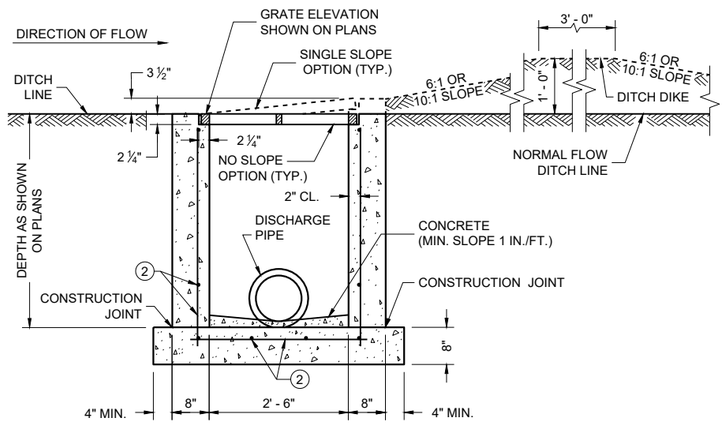


PRECAST REINFORCED CONCRETE SECTION A - A



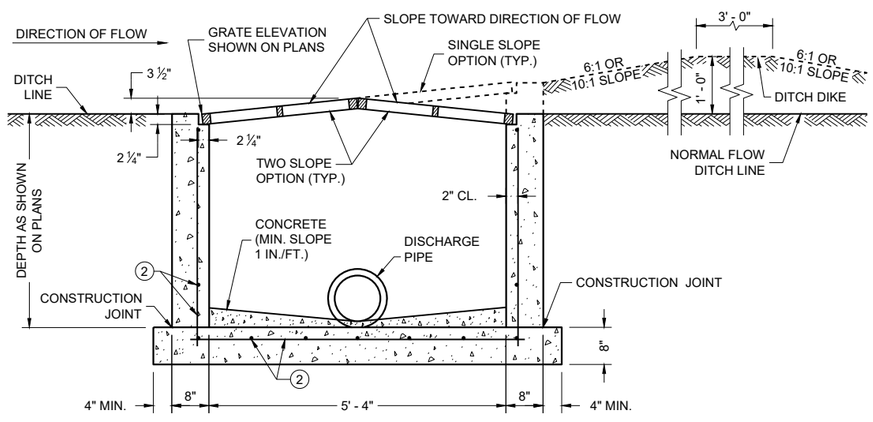


PRECAST REINFORCED CONCRETE SECTION B - B



REINFORCED CAST IN PLACE CONCRETE SECTION A - A

INLETS MEDIAN 1 GRATE



REINFORCED CAST IN PLACE CONCRETE SECTION B - B

INLETS MEDIAN 2 GRATE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T 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 PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

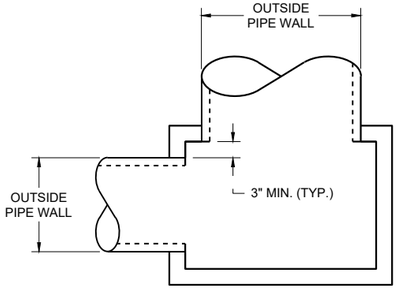
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

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 AND REINFORCED CONCRETE BASES 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.



DETAIL "A"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42

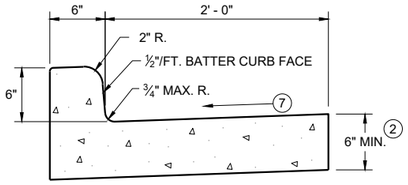
INLETS
MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
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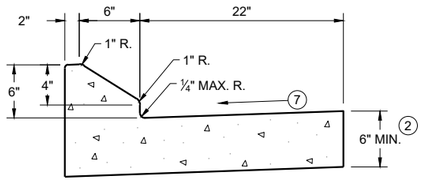
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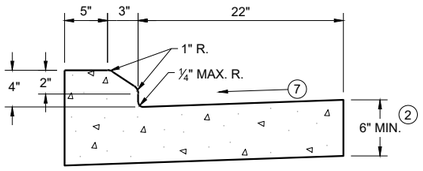
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SDD 08C08-03



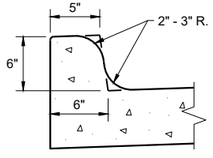
TYPES A (1) & D



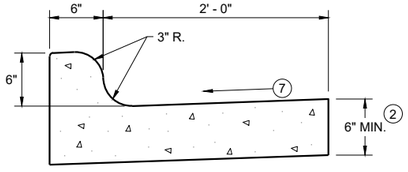
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

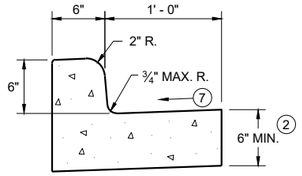


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



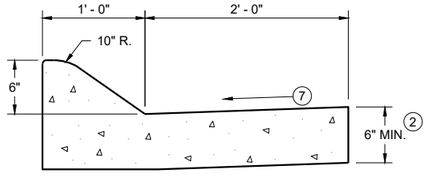
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

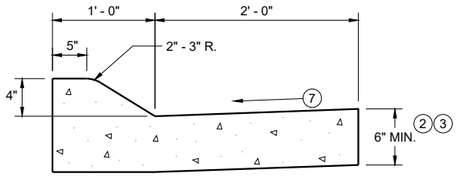


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

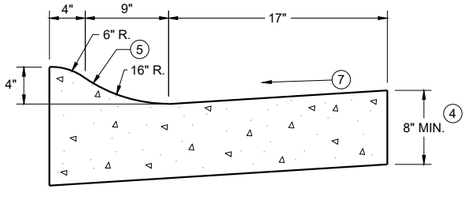


6" SLOPED CURB TYPES A (1) & D



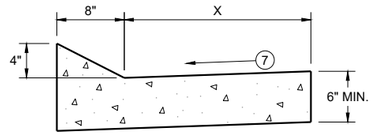
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T
CONCRETE CURB AND GUTTER 30"

TBT & TBTT	X
30"	22"
36"	28"

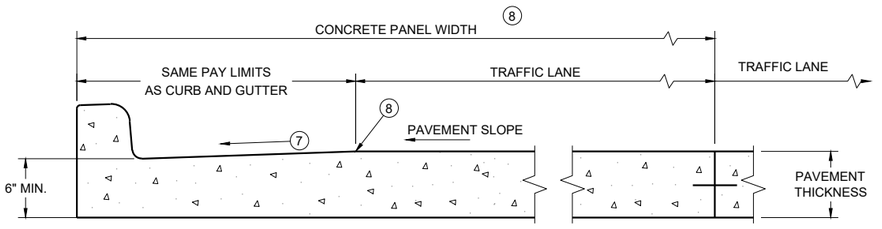


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

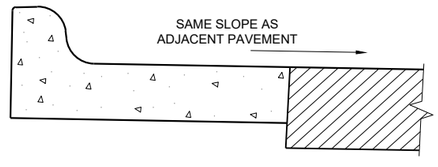
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

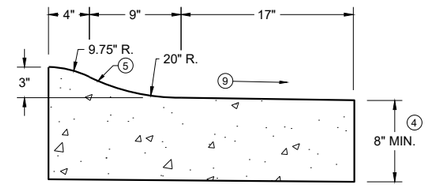
(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(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.

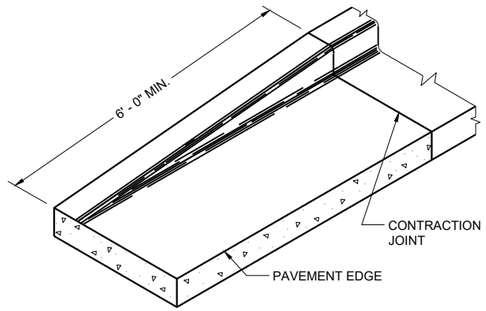
(9) SLOPE TO BE REVERSE SLOPE MATCHING THE SLOPE OF THE PAVEMENT AND THE CIRCULATORY ROADWAY



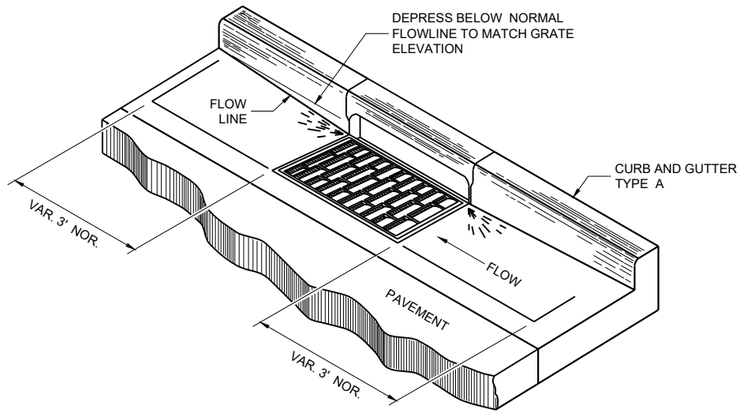
3" SLOPED CURB TYPES R (1) & T

CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



END SECTION CURB 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.

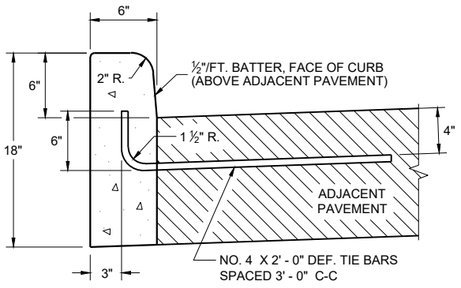
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

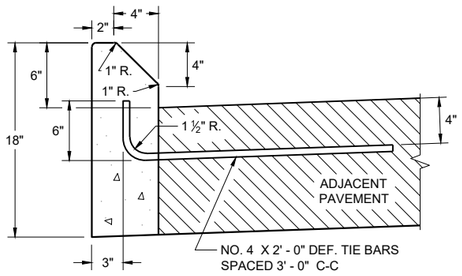
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(10) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

(11) PLACE 1" THICK EXPANSION JOINT MATERIAL BETWEEN VERTICAL FACE CURB TYPES EXTENDING FROM THE TOP OF CURB TO 1 INCH BELOW THE ADJOINING CONCRETE SURFACE. RIGID CONCRETE STRUCTURES INCLUDE RAISED CONCRETE MEDIANS, CONCRETE SAFETY ISLANDS, SPLITTER ISLANDS, OR LOCATIONS IDENTIFIED ON THE PLANS.

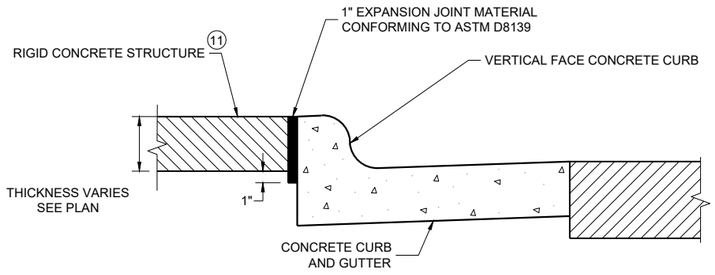


TYPES A (1) & D

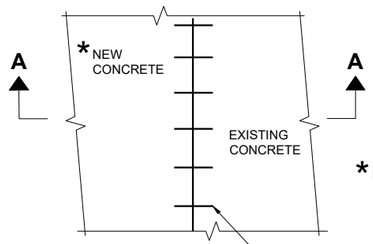


TYPES G (1) & J

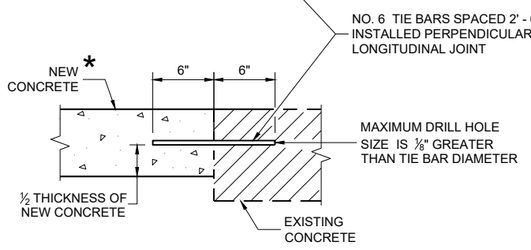
CONCRETE CURB



EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)

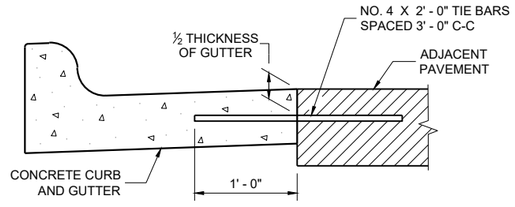


PLAN VIEW

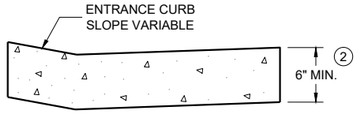


SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (10)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

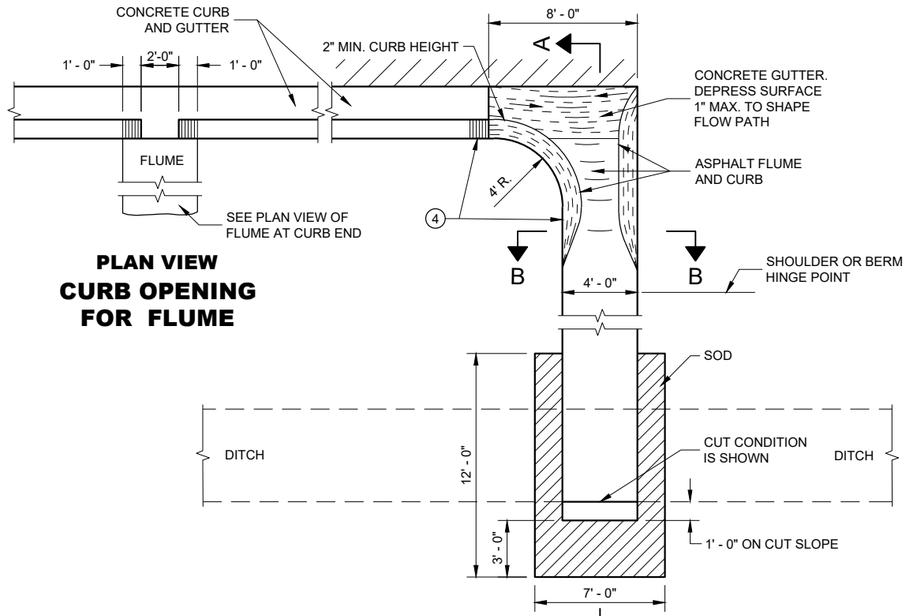
APPROVED
February 2025 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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SDD 08D01-24b

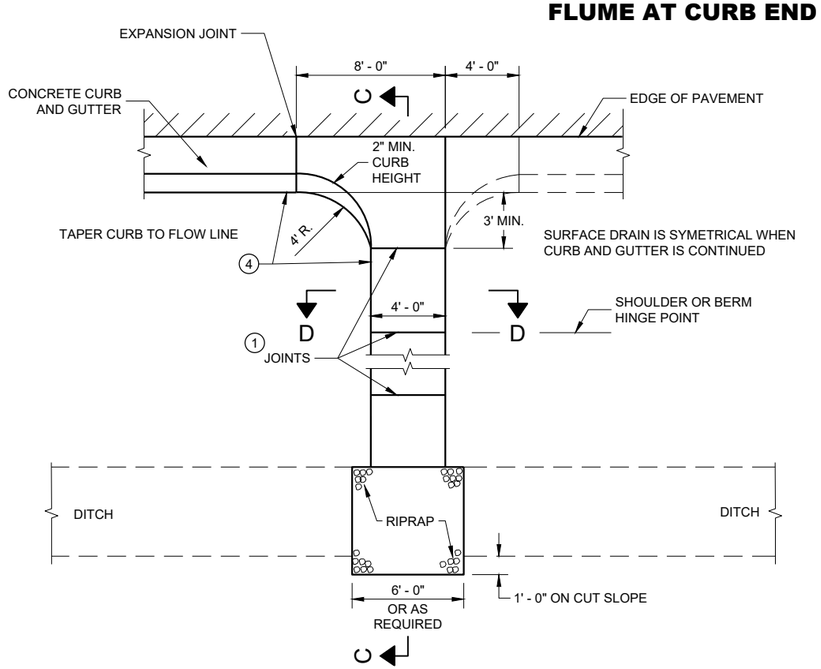
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



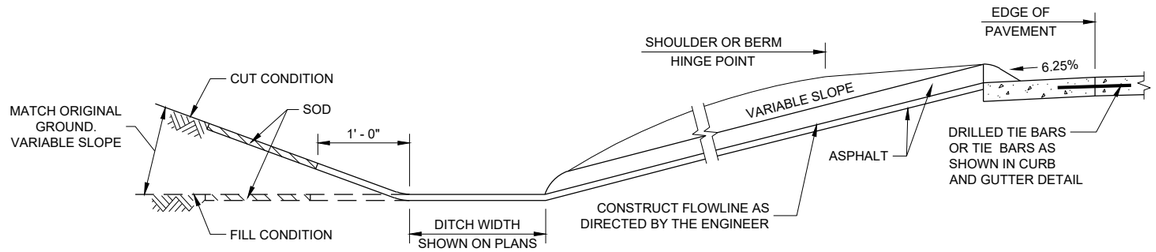
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

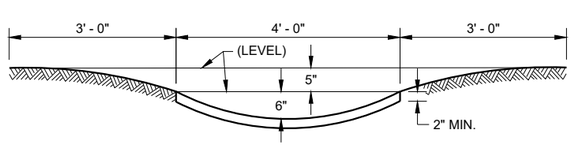
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

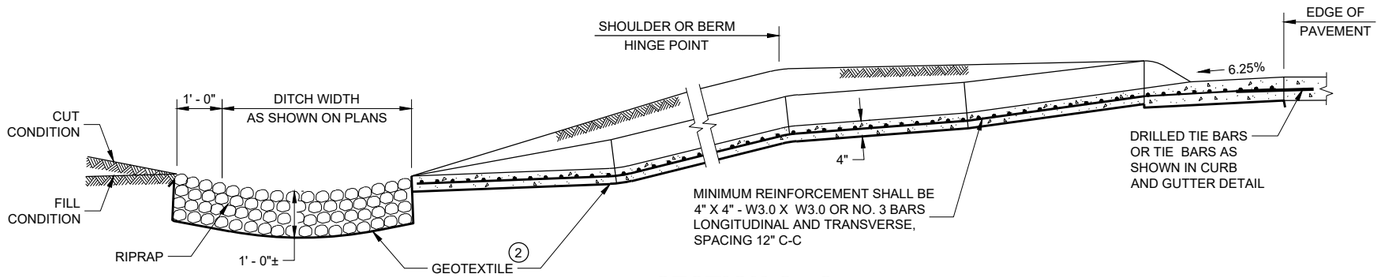
1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. 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.



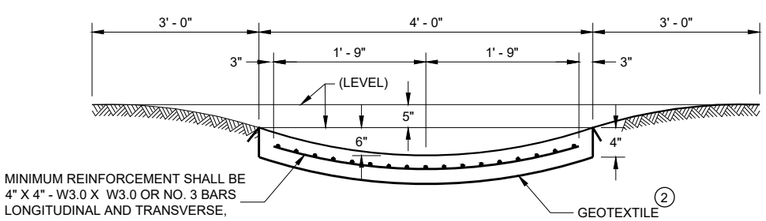
SECTION A - A



SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

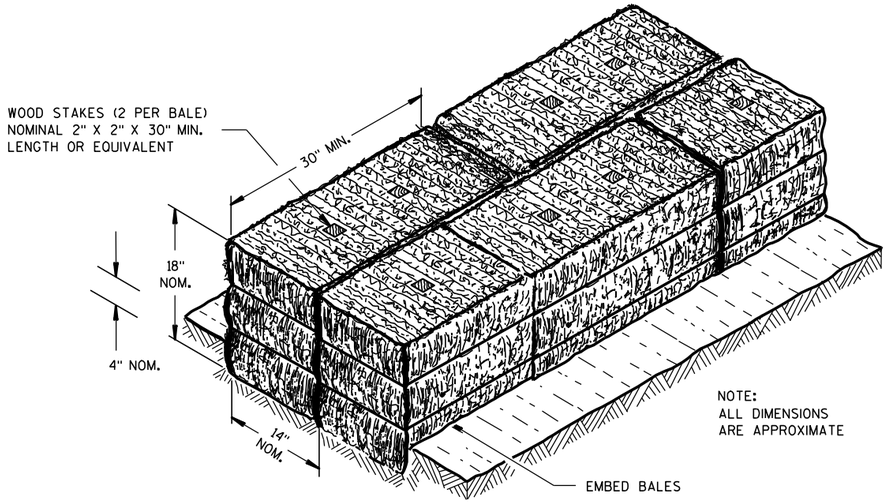
FHWA

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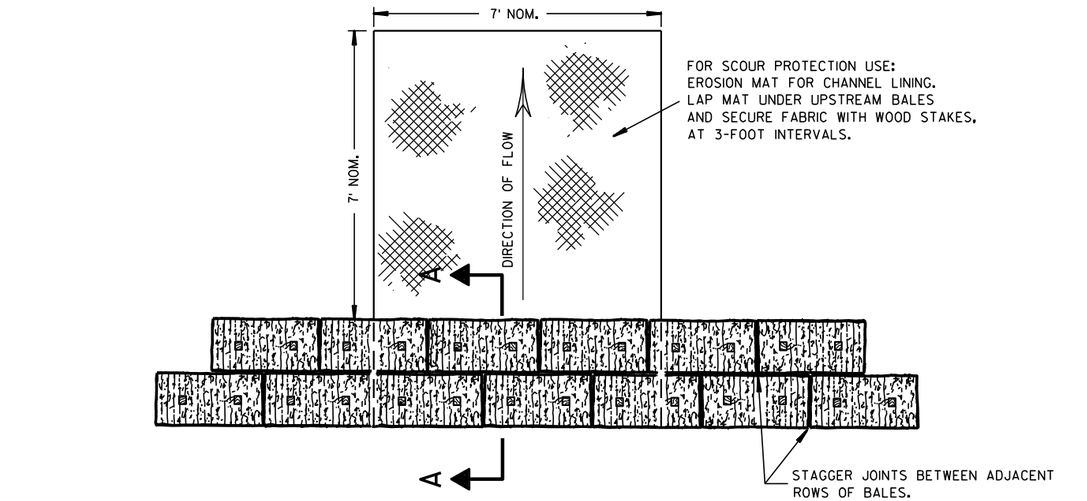
SDD 08D04 - 07

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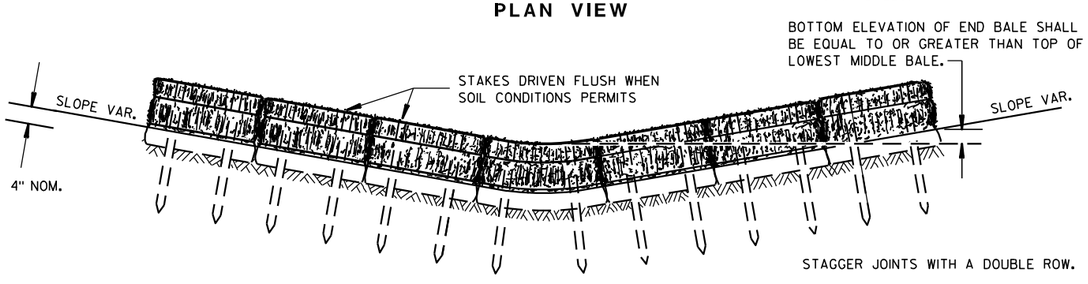
SDD 08D04 - 07



SECTION A-A



PLAN VIEW



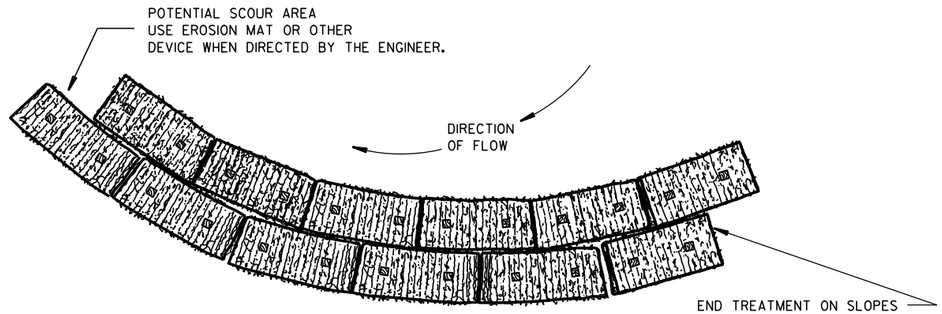
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

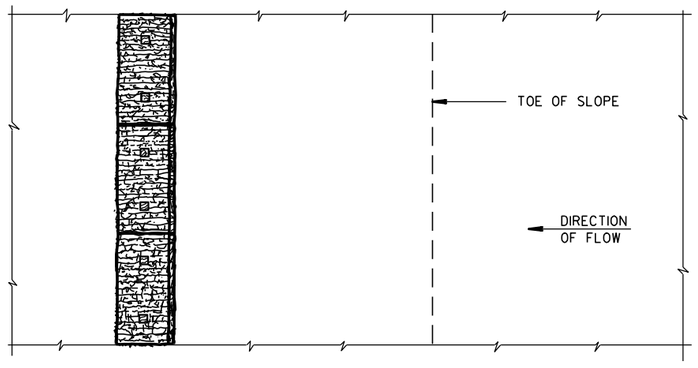
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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.

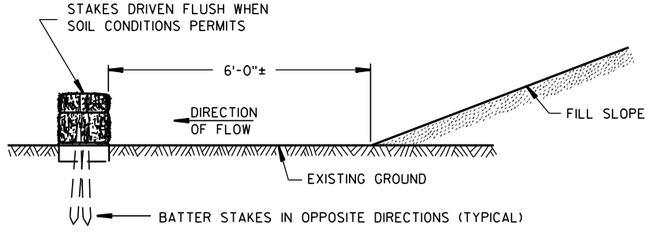


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

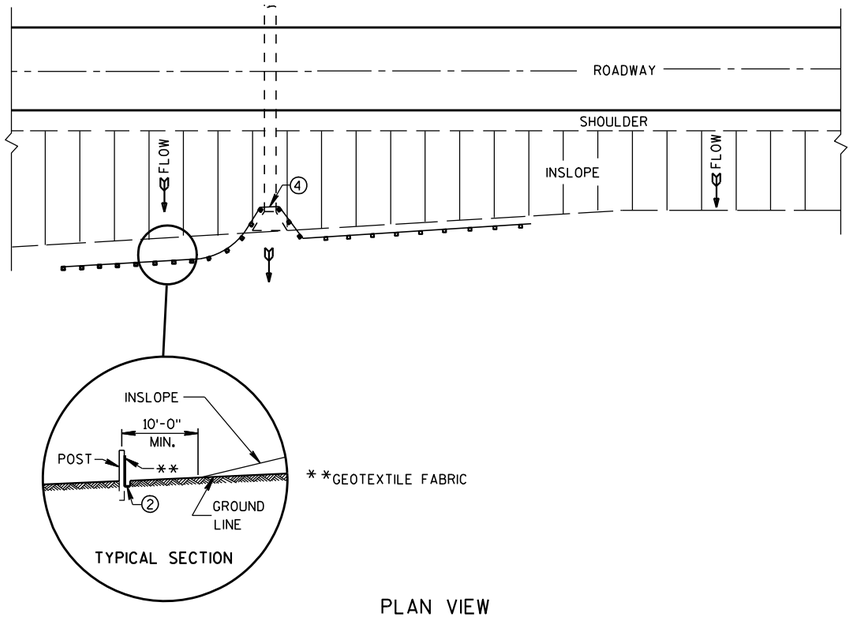
EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

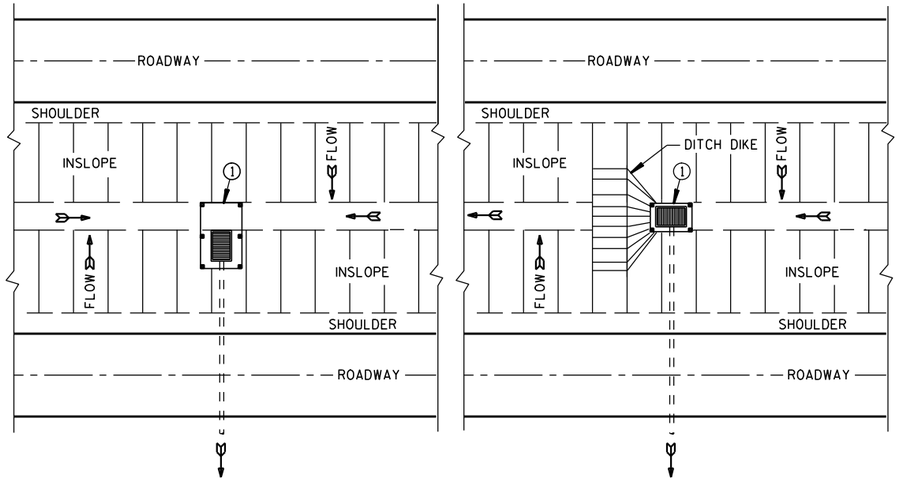
APPROVED
6/04/02 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



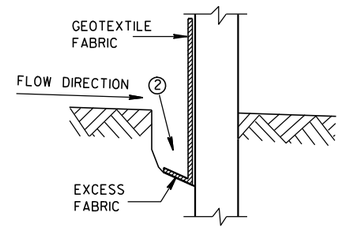
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

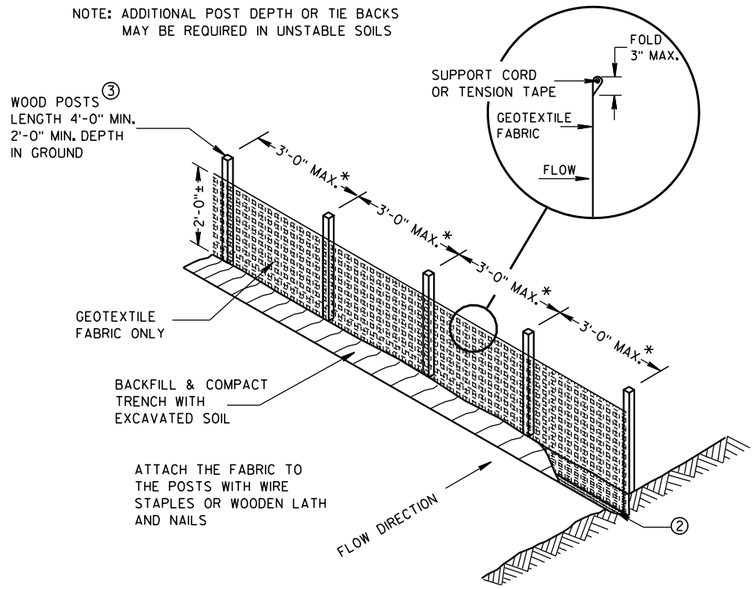
GENERAL NOTES

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

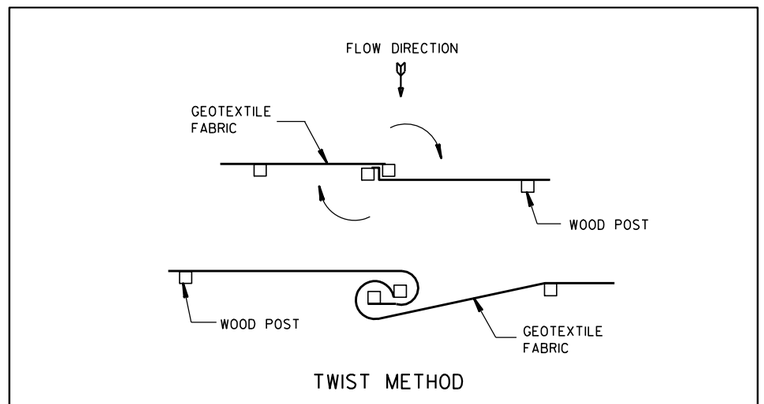
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL 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.



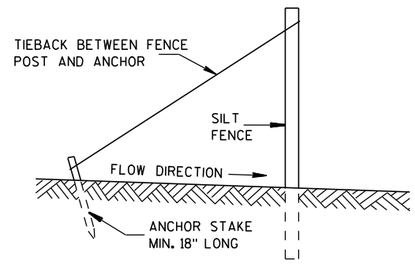
TRENCH DETAIL



SILT FENCE



JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

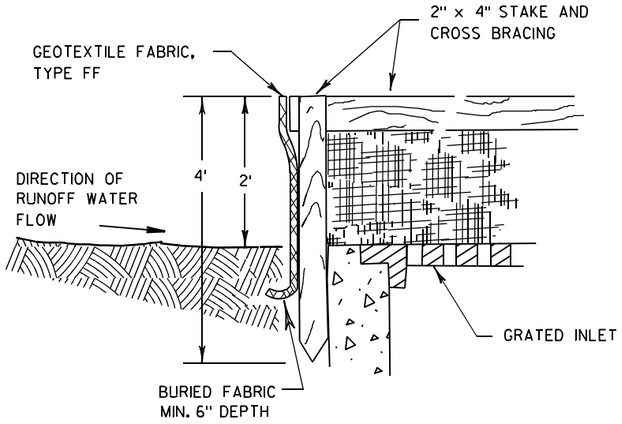
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

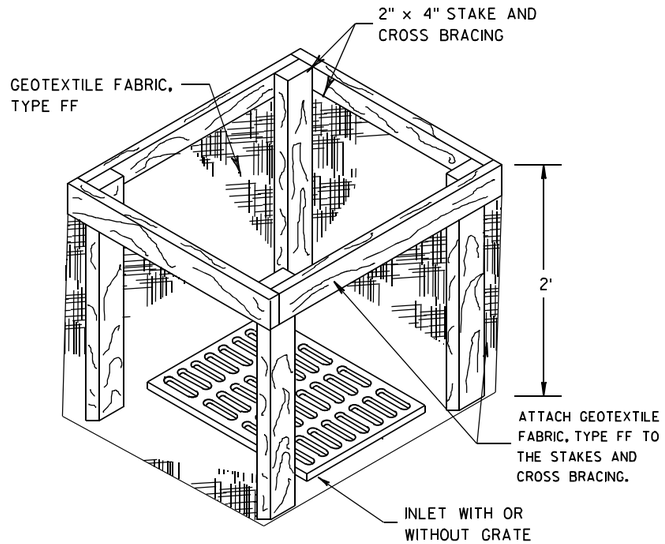
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S.D.D. 8 E 9-6

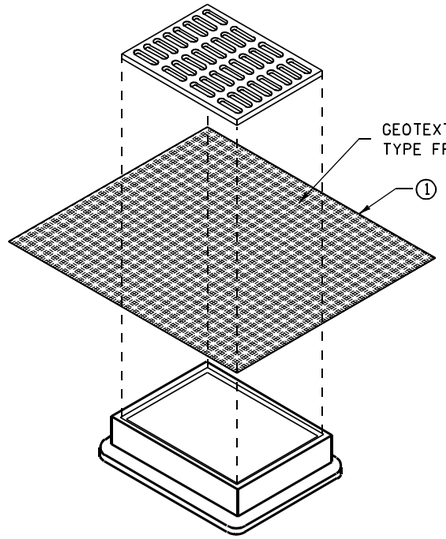
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S.D.D. 8 E 9-6



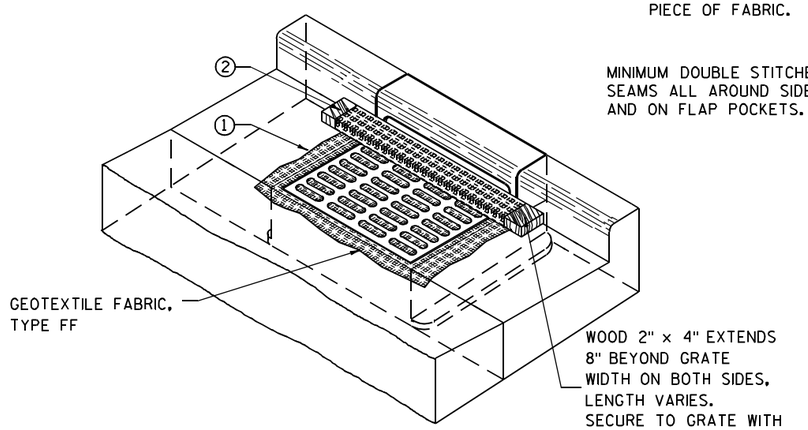


INLET PROTECTION, TYPE A

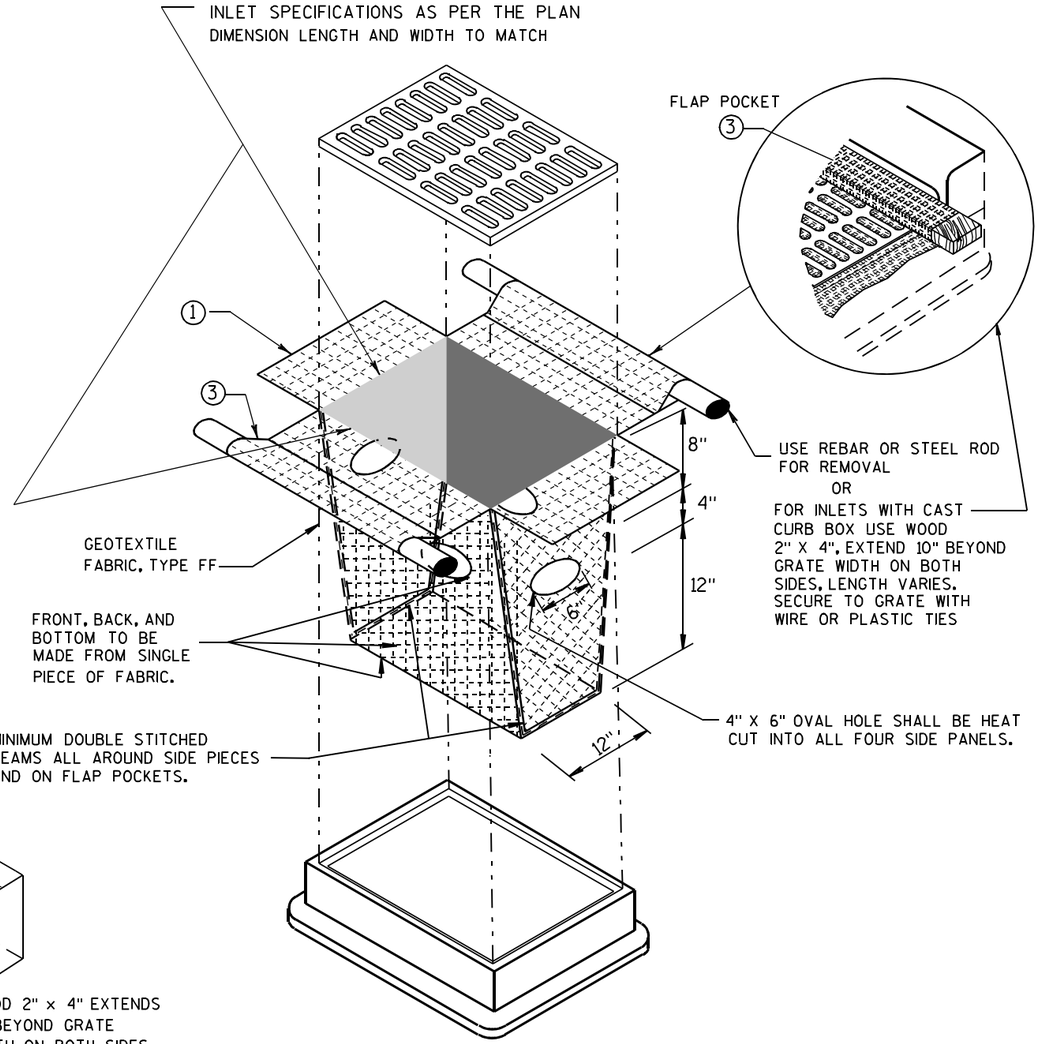


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

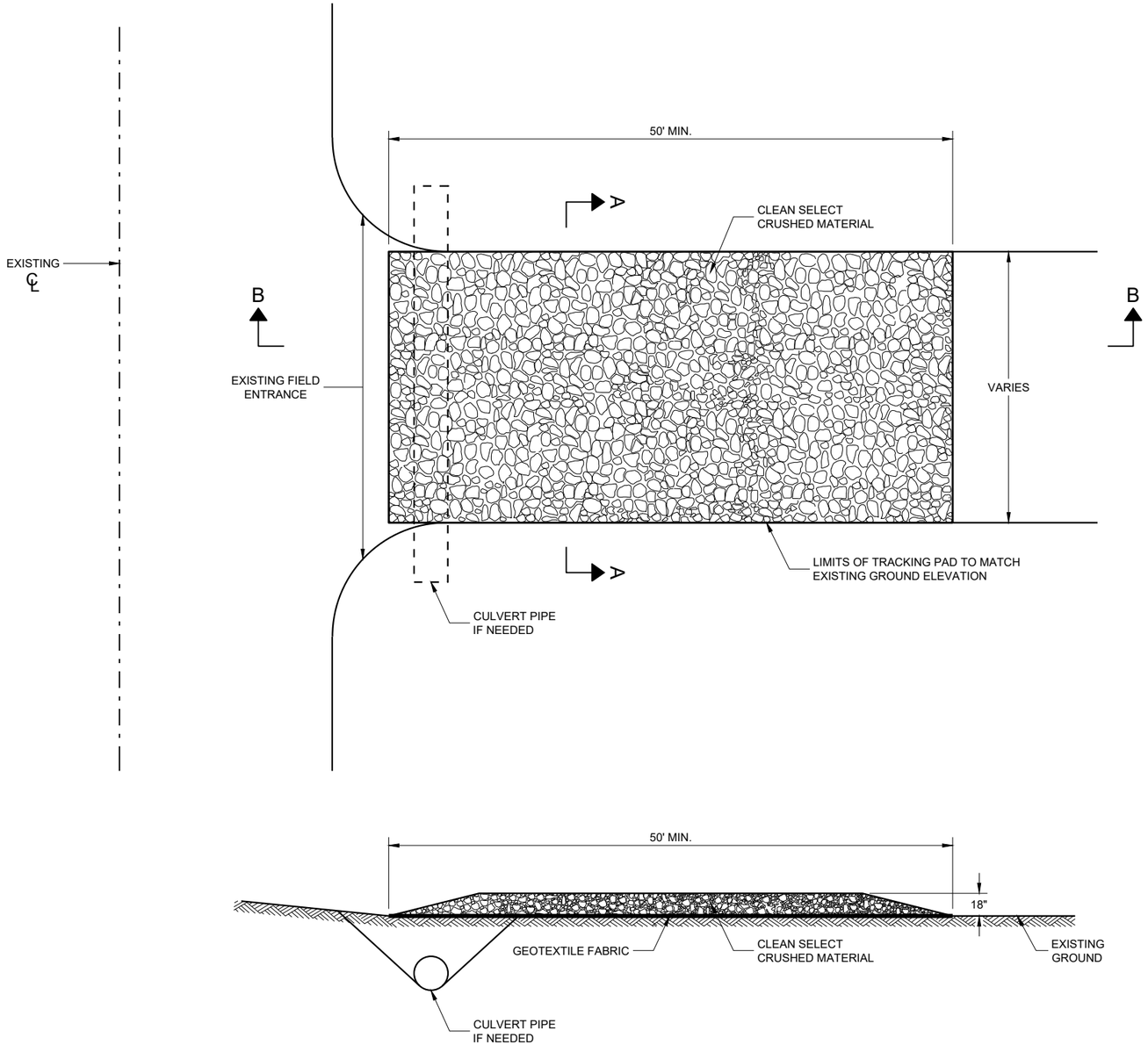
FHWA

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S.D.D. 8 E 10-2

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S.D.D. 8 E 10-2



SECTION B - B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

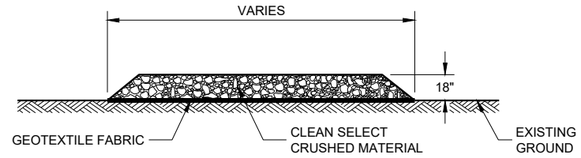
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

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SDD 08E14 - 01

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

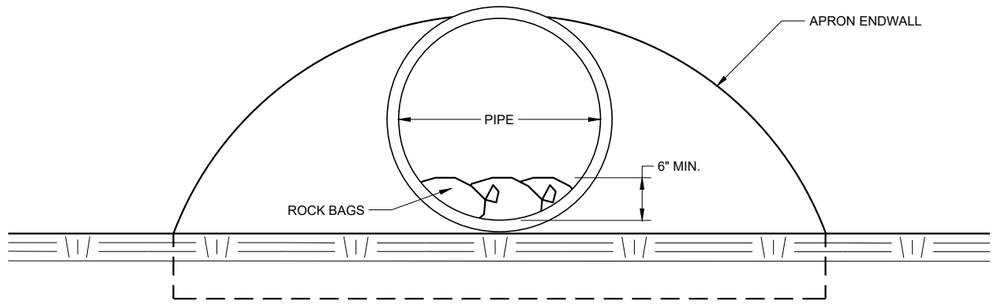
3/24/2011
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

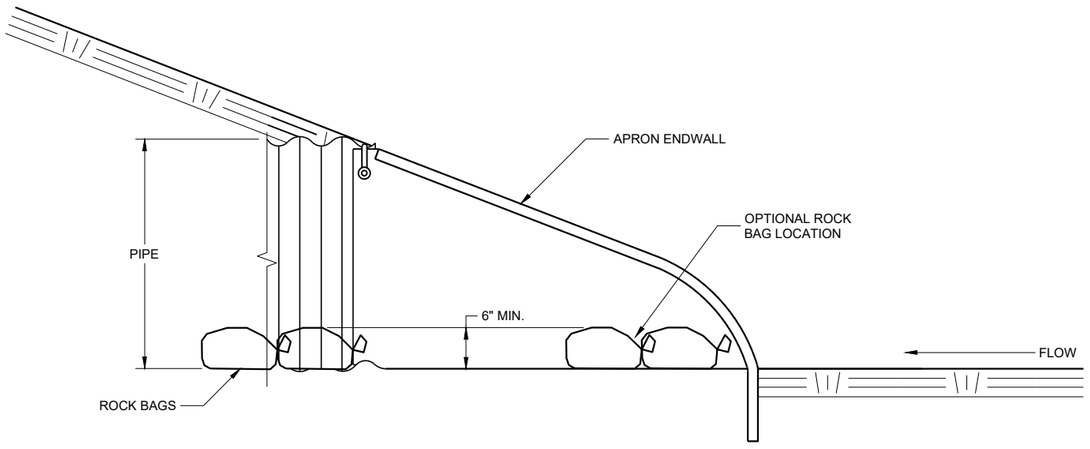
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SDD 08E14 - 01



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Daniel Schave
EROSION CONTROL ENGI

FHWA

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SDD 08E15 - 01

6

SDD 08E15 - 01

METAL APRON ENDWALLS

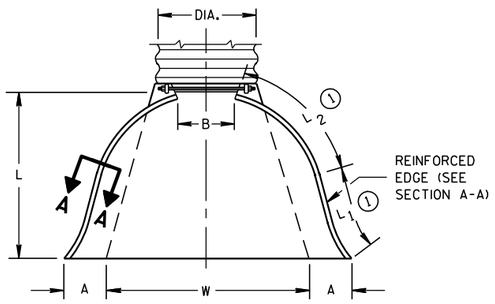
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

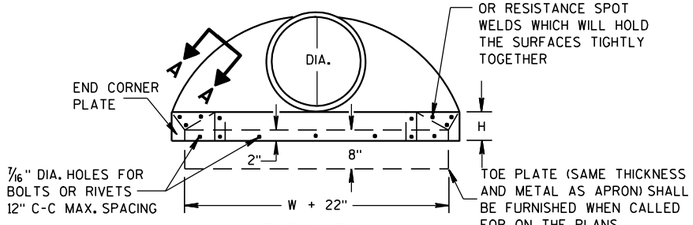
REINFORCED CONCRETE APRON ENDWALLS

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

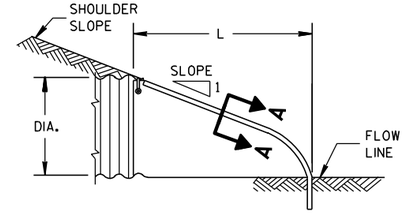
*MINIMUM
**MAXIMUM



PLAN VIEW

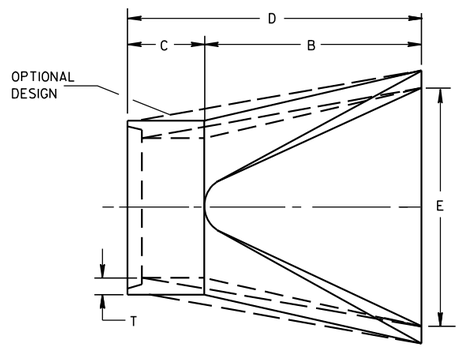


END VIEW

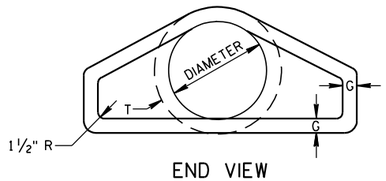


SIDE ELEVATION

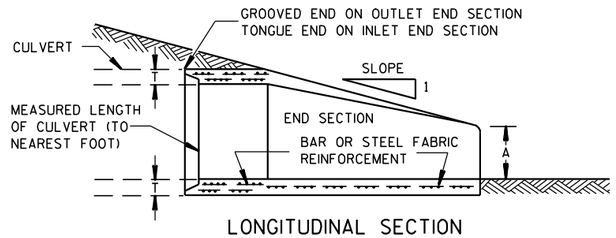
METAL ENDWALLS



PLAN

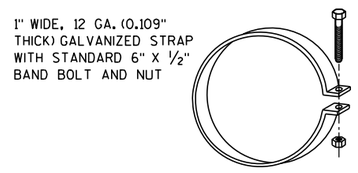


END VIEW



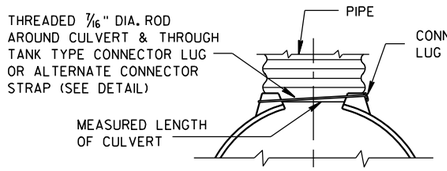
LONGITUDINAL SECTION

CONCRETE ENDWALLS

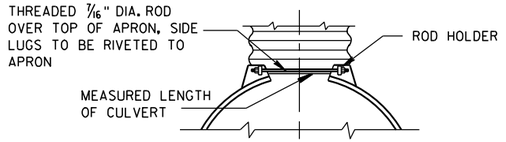


ALTERNATE FOR TYPE 1 CONNECTION

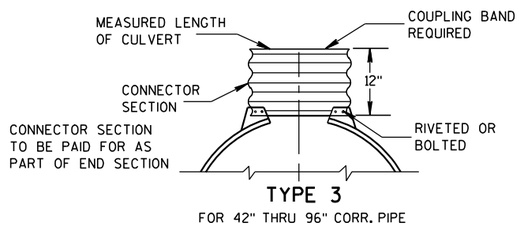
END SECTION CONNECTOR STRAP



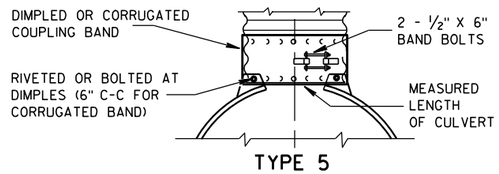
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

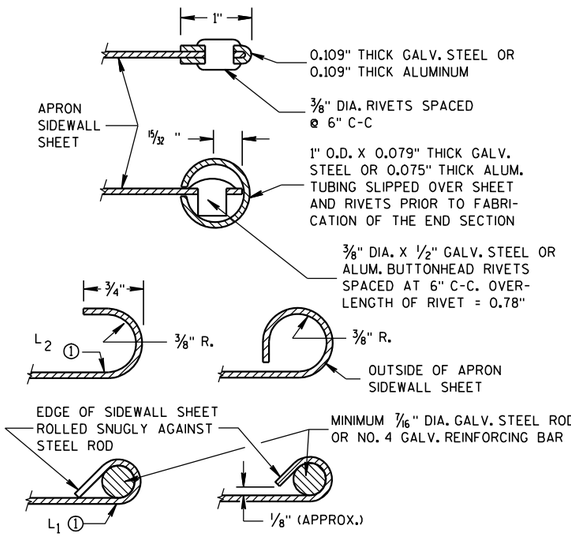
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

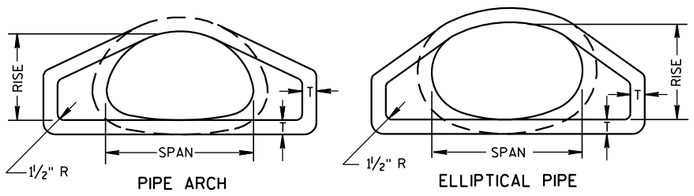
APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

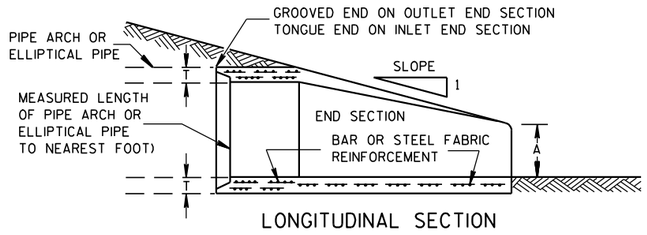
APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith CHIEF ROADWAY DEVELOPMENGINEER
FHWA

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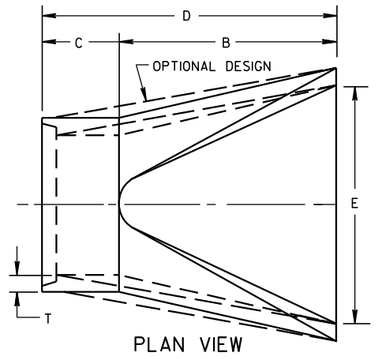
S.D.D. 8 F 1-11



END VIEW

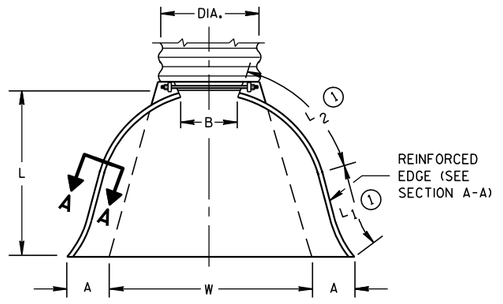


LONGITUDINAL SECTION

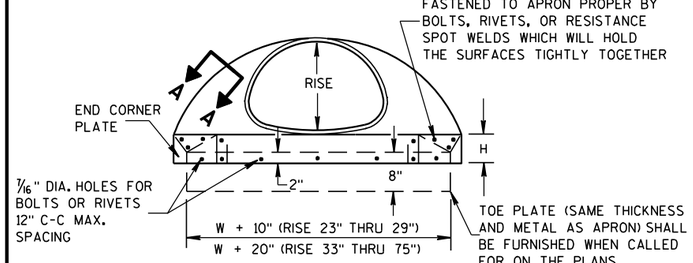


PLAN VIEW

CONCRETE ENDWALLS

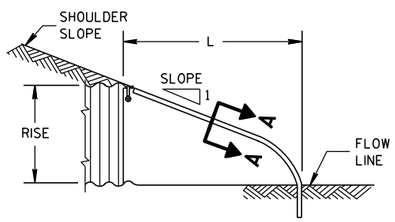


PLAN VIEW



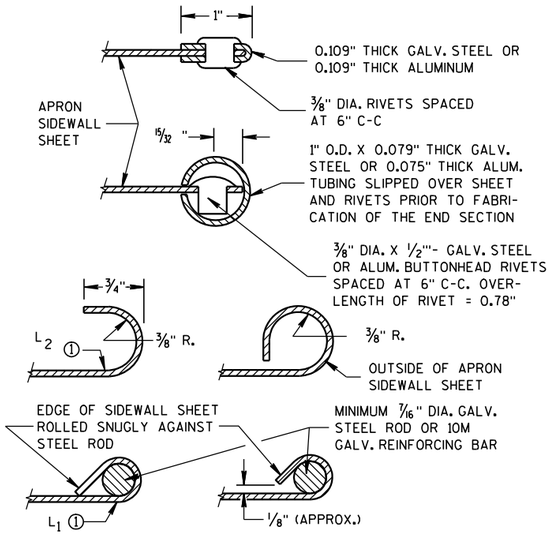
END CORNER PLATES MAY BE FASTENED TO APRON PROPER BY BOLTS, RIVETS, OR RESISTANCE SPOT WELDS WHICH WILL HOLD THE SURFACES TIGHTLY TOGETHER

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

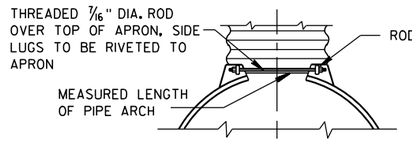
REINFORCED CONCRETE PIPE ARCH

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

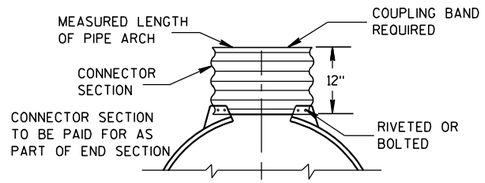
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



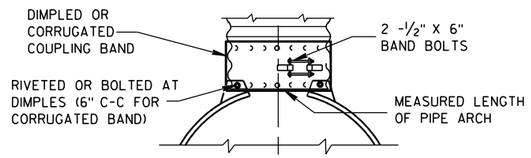
TYPE 2

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

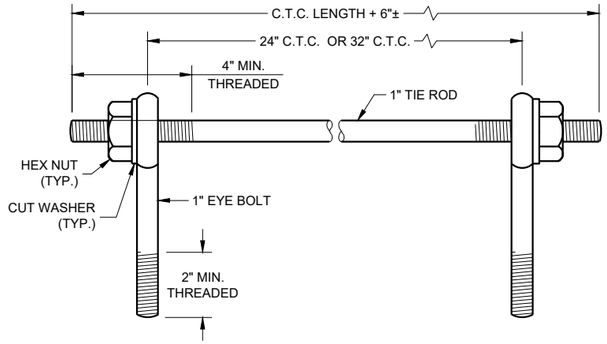
FHWA

6

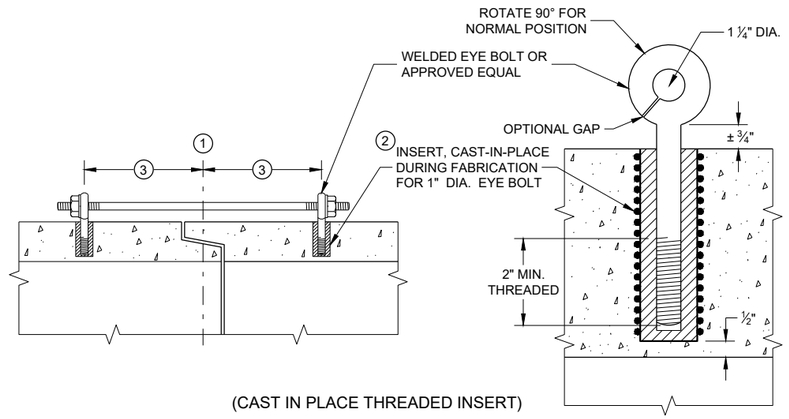
S.D.D. 8 F 2-1

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.

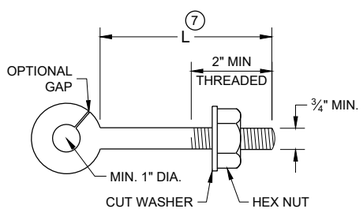
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

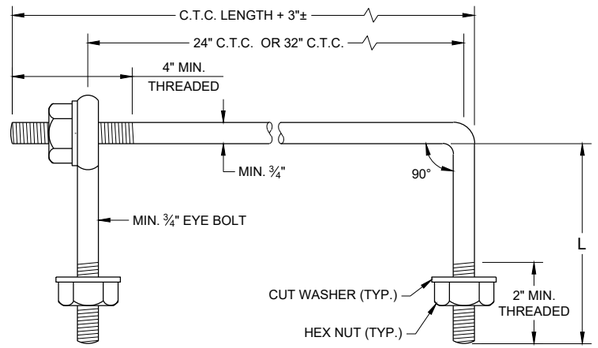
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

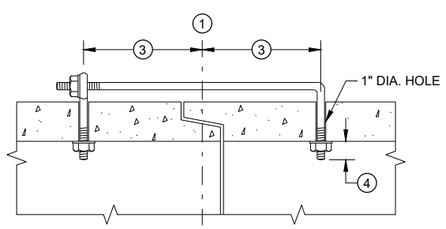


EYE BOLT (7)

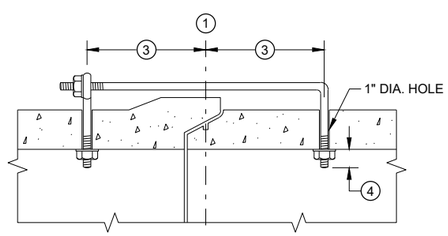
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

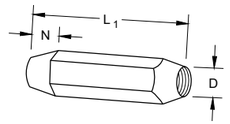
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

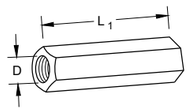
ADJUSTABLE TIE ROD TABLE

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



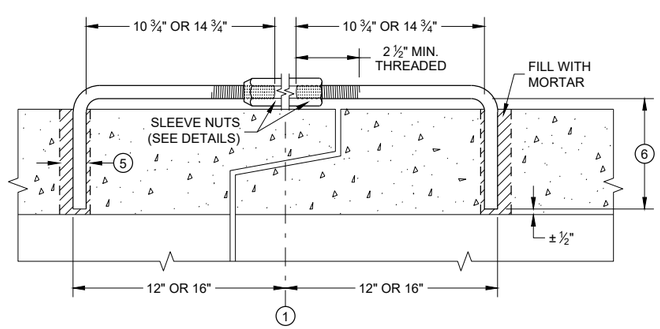
TAPERED



PLAIN

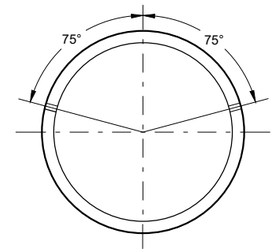
RIGHT AND LEFT THREADS

SLEEVE NUTS



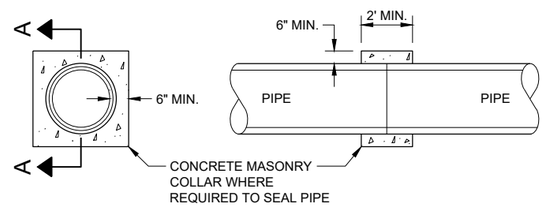
LONGITUDINAL SECTION

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

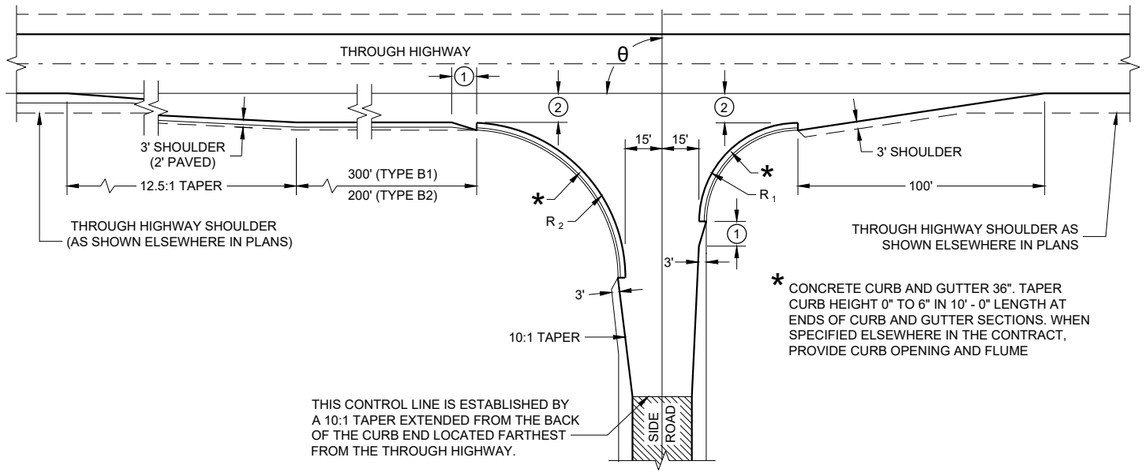
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

SDD 08F04 - 08

SDD 08F04 - 08



* CONCRETE CURB AND GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10' - 0" LENGTH AT ENDS OF CURB AND GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME

TYPE "B1" AND "B2"

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65 - 70	35	70
71 - 80	40	70
81 - 90	40	60
91 - 100	50	55
101 - 110	60	45

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

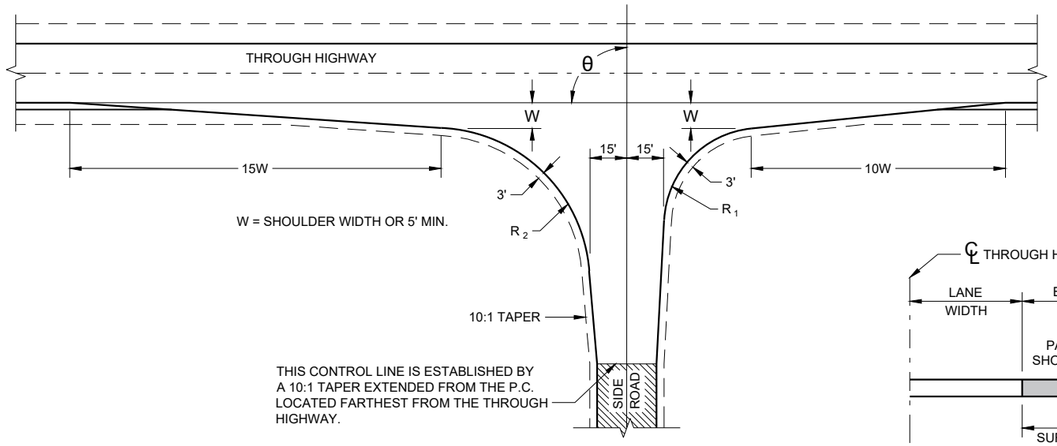
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

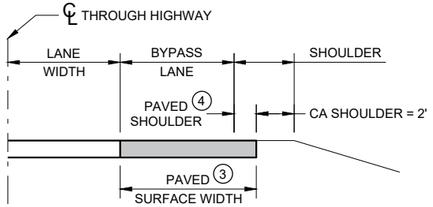
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
- ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH
- PC CONCRETE = 13-FT PLUS PAVED SHOULDER WIDTH

(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.

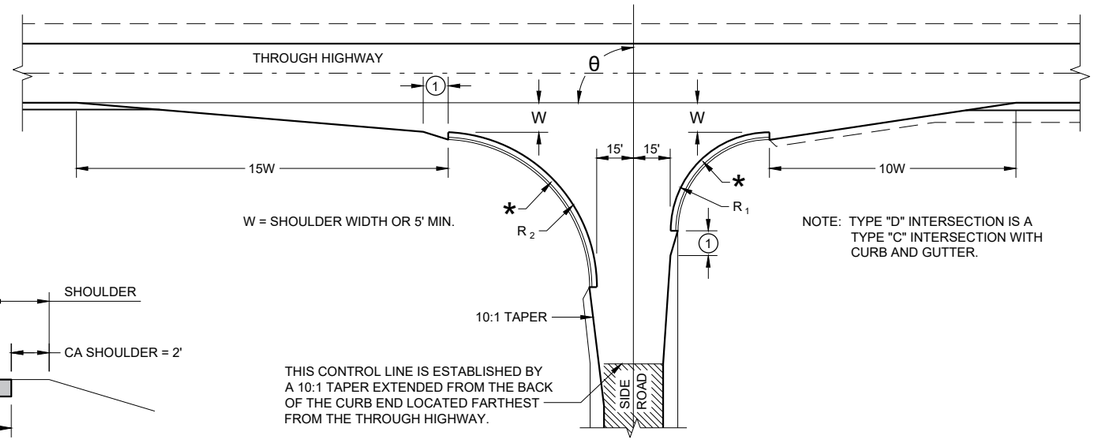


TYPE "C"



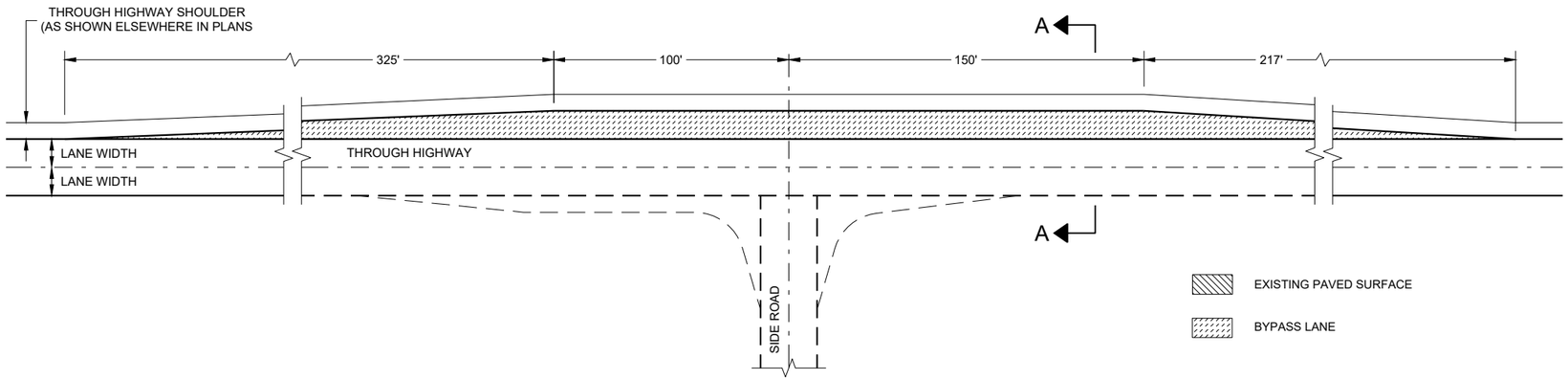
SECTION A - A

(SHOWING BYPASS LANE AND SHOULDER)



NOTE: TYPE "D" INTERSECTION IS A TYPE "C" INTERSECTION WITH CURB AND GUTTER.

TYPE "D"



TEE INTERSECTION BYPASS LANE DETAIL

AT GRADE SIDE ROAD INTERSECTION TYPES "B1", "B2", "C", "D" AND TEE INTERSECTION BYPASS LANE

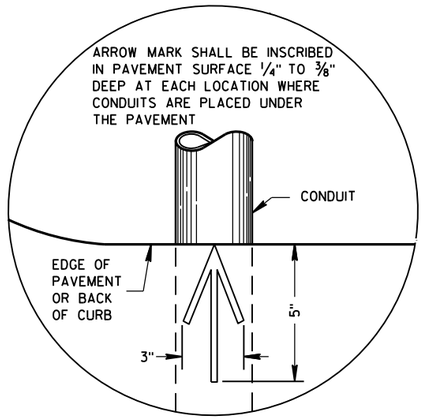
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 09A01 - 14a

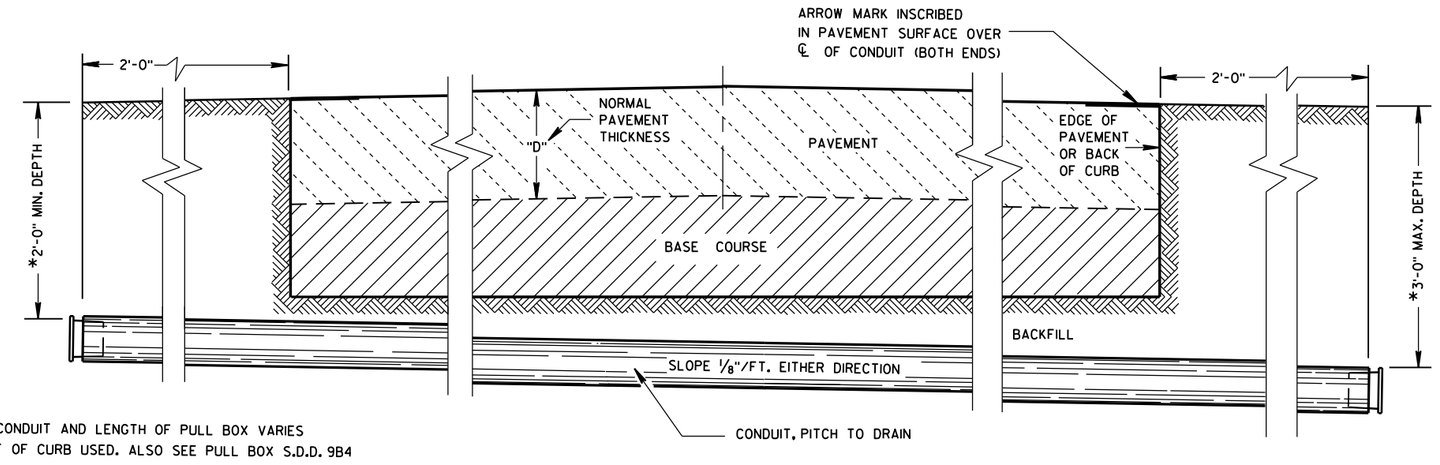
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SDD 09A01 - 14a



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

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

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

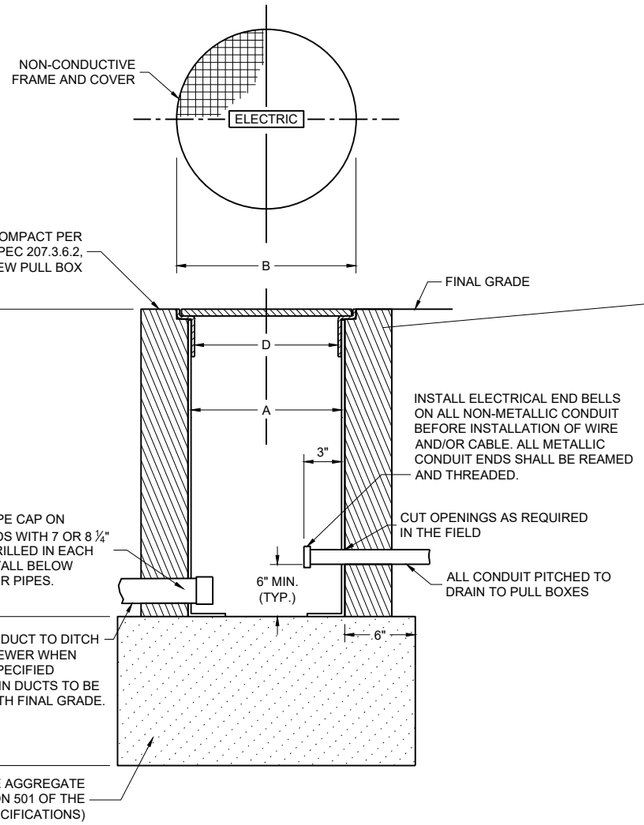
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS
AND WEIGHTS

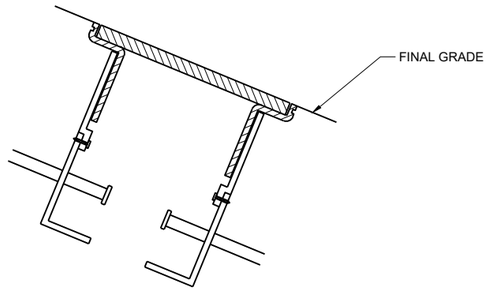
DIMENSION IN INCHES		NON- CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 ½	22 ½
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

*THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

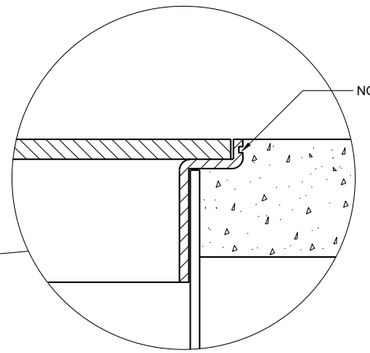
** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE.



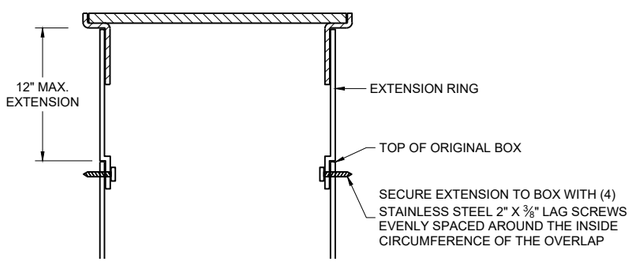
NON-CONDUCTIVE PULL BOX



**INSTALLED IN SOD
OR CRUSHED AGGREGATE**



INSTALLED IN SIDEWALK



BOX EXTENSION

GENERAL NOTES

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

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN ½" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN ¼".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN ¼".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE.

LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.

INSTALL PULL BOX TO MATCH GRADE UP TO 3:1 MAX.

RING SHALL BE FLUSH WITH TOP OF PULL BOX.

COMPACT AROUND PULL BOX.

**MEASUREMENT DETAIL FOR
WIRE/CABLE IN THE PULL BOX**

**PULL BOXES
NON-CONDUCTIVE**

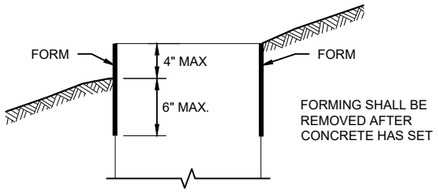
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2026 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGINEER

FHWA

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SDD 09B16-04

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.

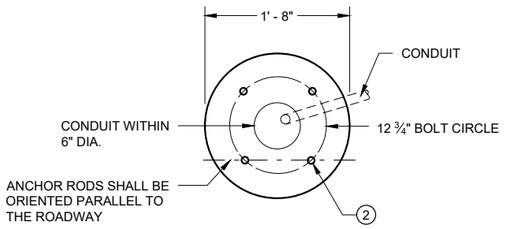
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

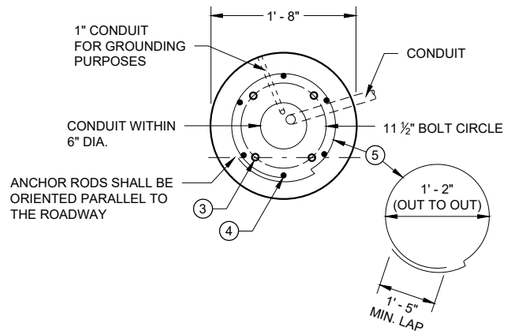
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

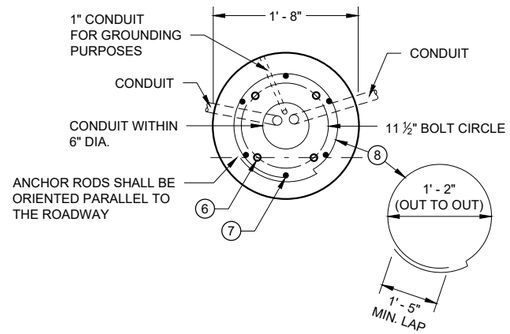
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

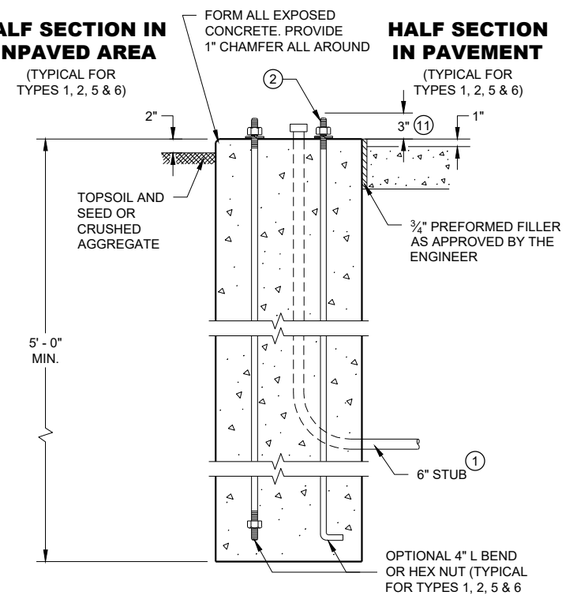
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

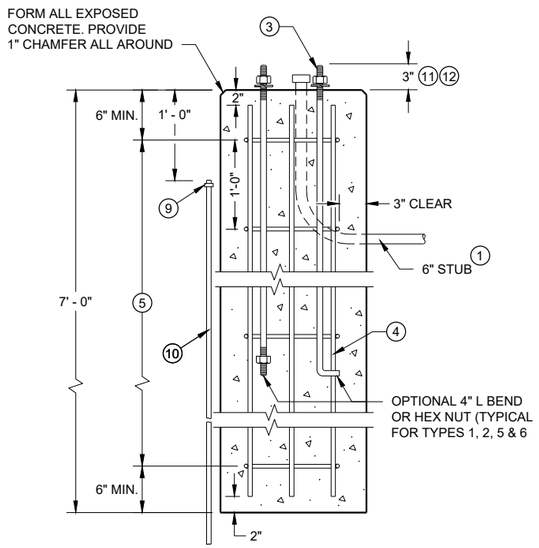
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

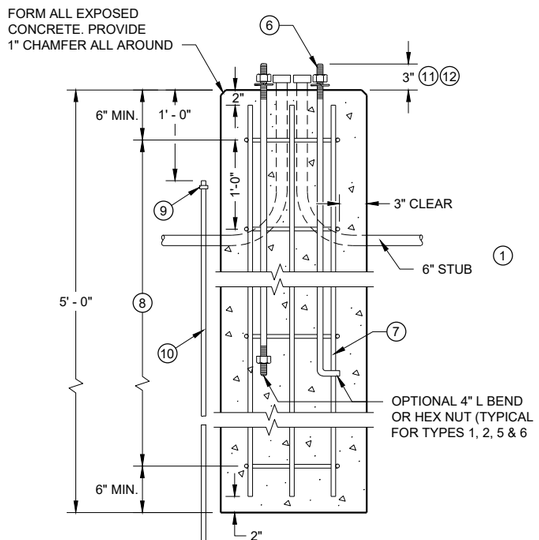
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



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 238

FHWA

GENERAL NOTES

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

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

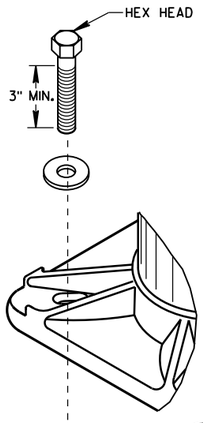
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

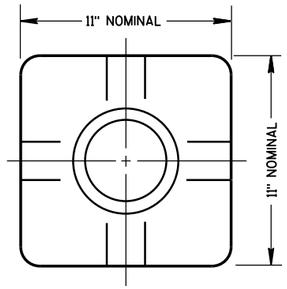
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

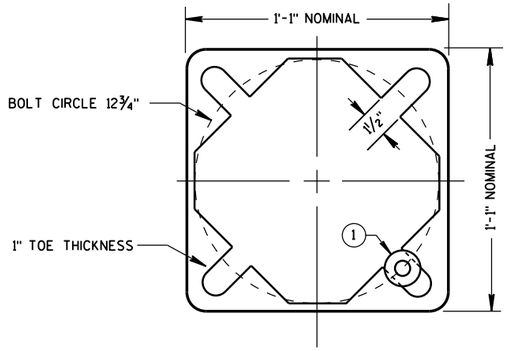
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

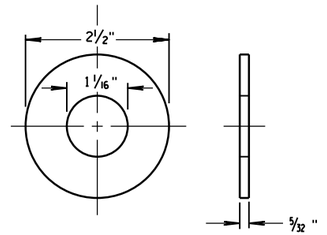




TOP VIEW
(PEDESTAL BASE)

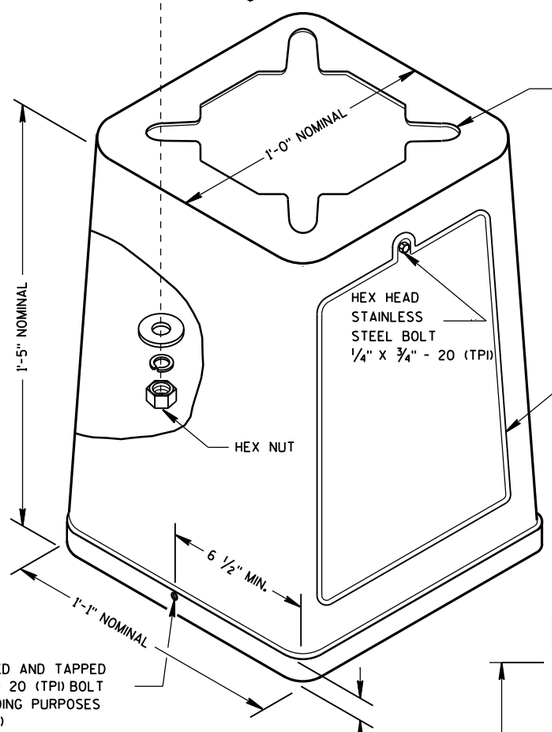


BOTTOM VIEW
(PEDESTAL BASE)

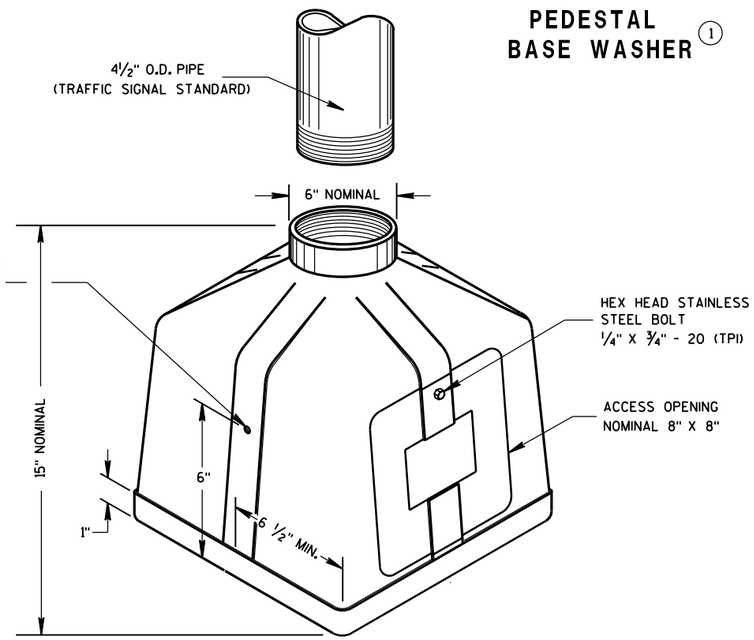


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

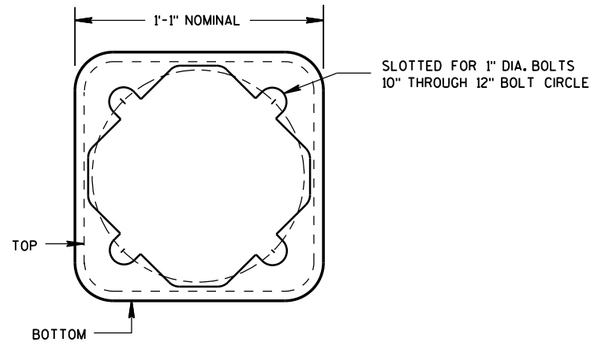
PEDESTAL BASE WASHER (1)



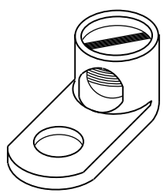
ISOMETRIC VIEW



ISOMETRIC VIEW
PEDESTAL BASE

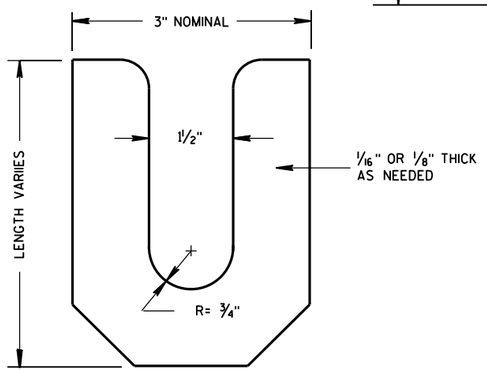


BOTTOM VIEW
(TRANSFORMER BASE)



TYPICAL MECHANICAL CONNECTOR LUG
TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE
INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

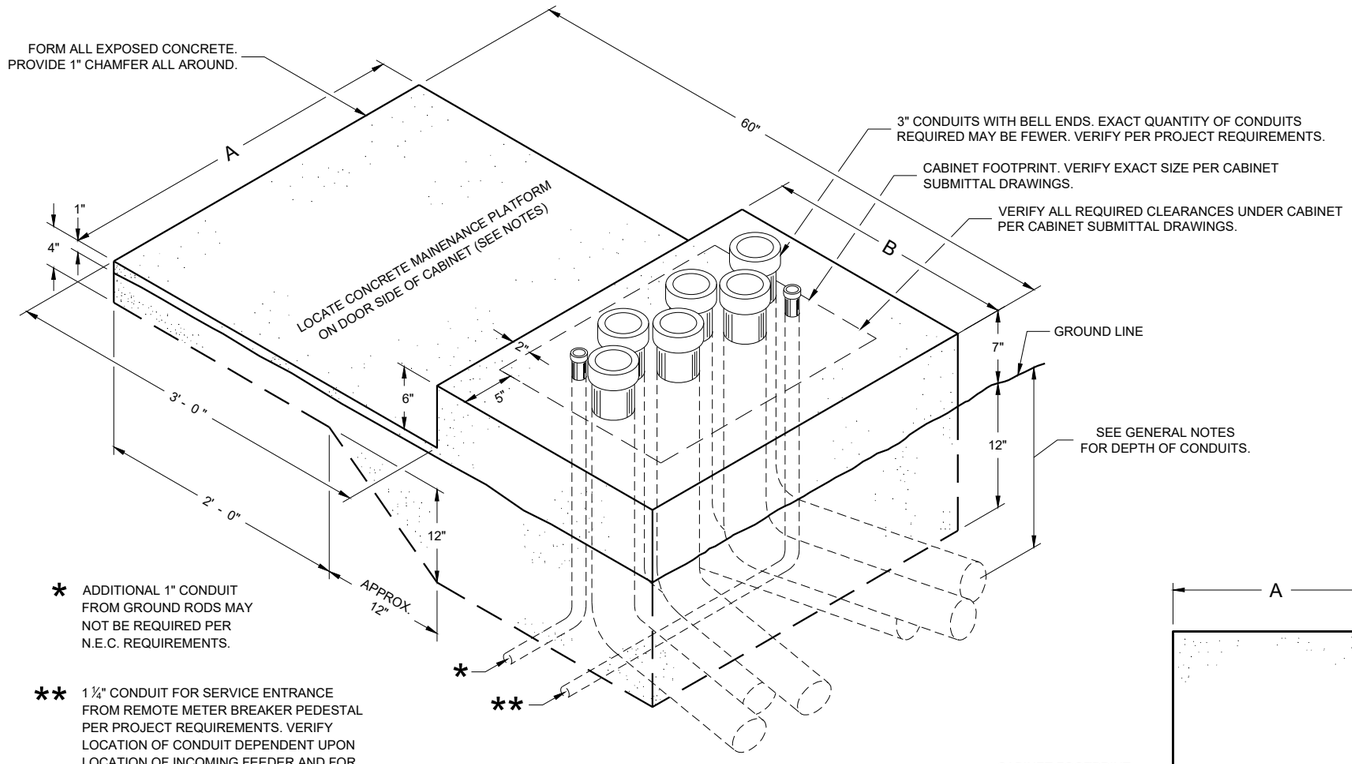
TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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S.D.D. 9 C 3-4



* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

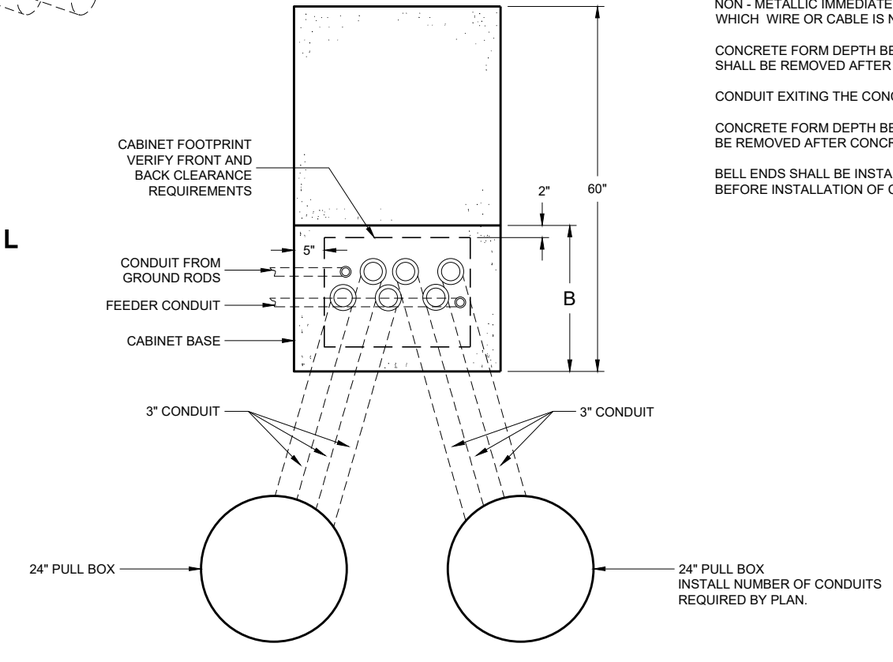
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

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

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

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

LOCATIONS SHALL BE AS SHOWN ON THE PLANS UNLESS DETERMINED BY THE ENGINEER IN THE FIELD.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

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

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCH MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE L

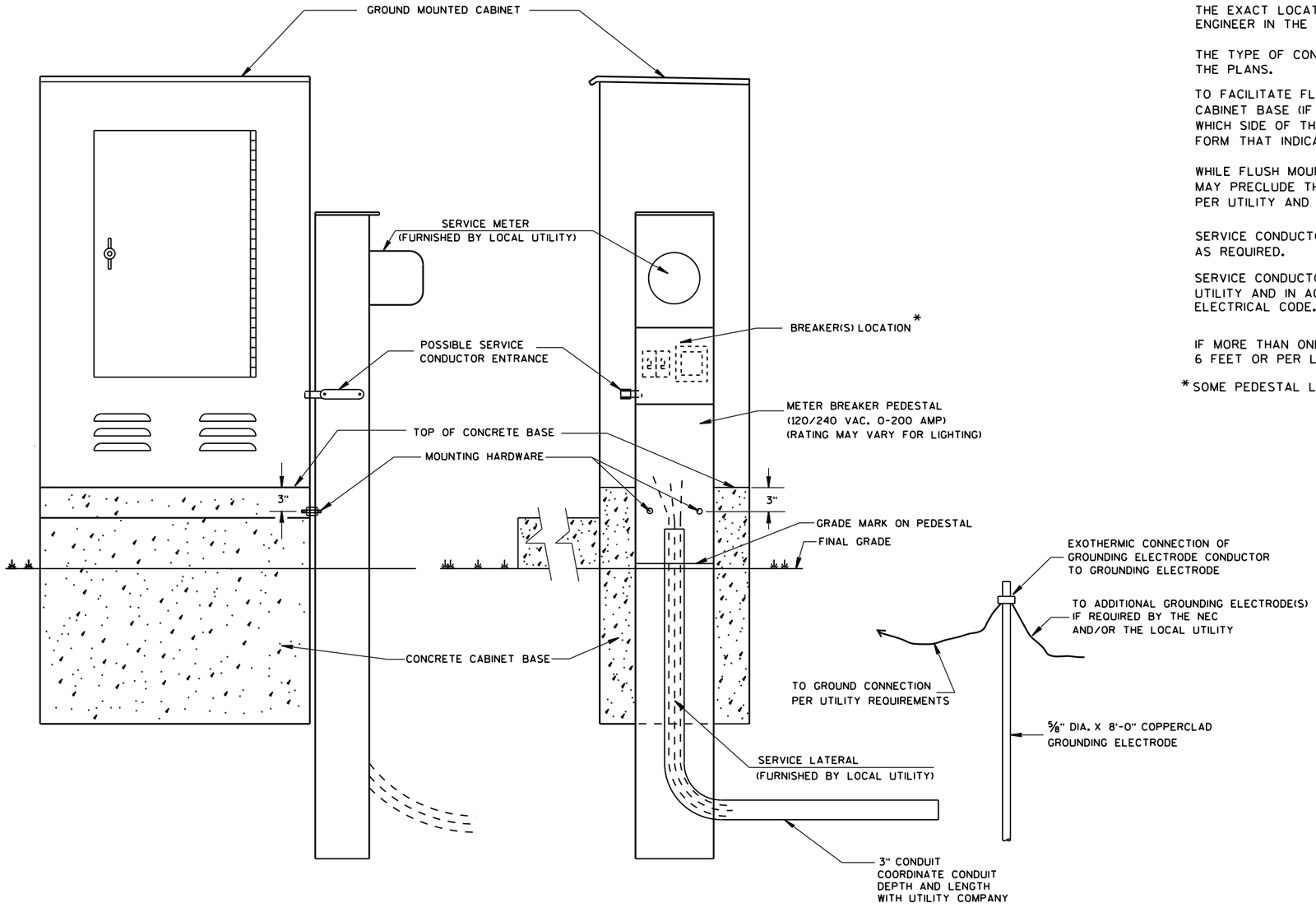
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 240

FHWA

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SDD 09C14 - 03



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

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

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

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S.D.D. 9 D 1-5

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

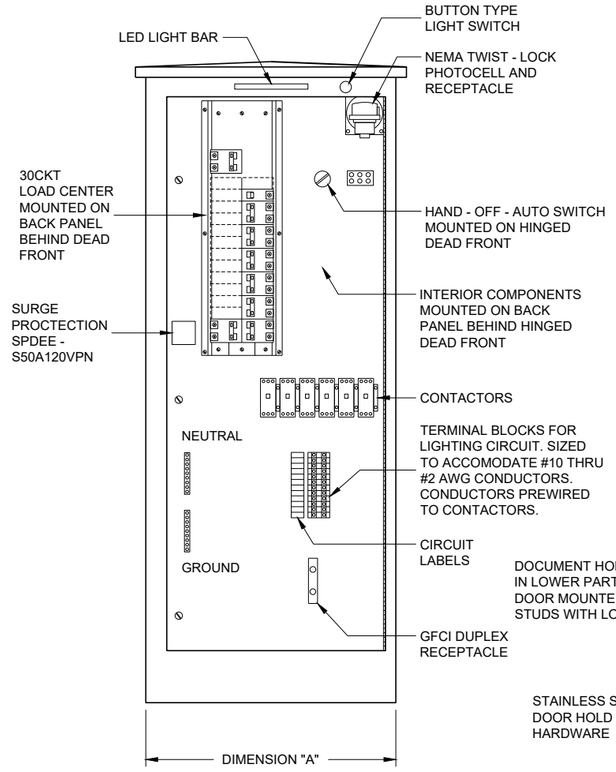
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

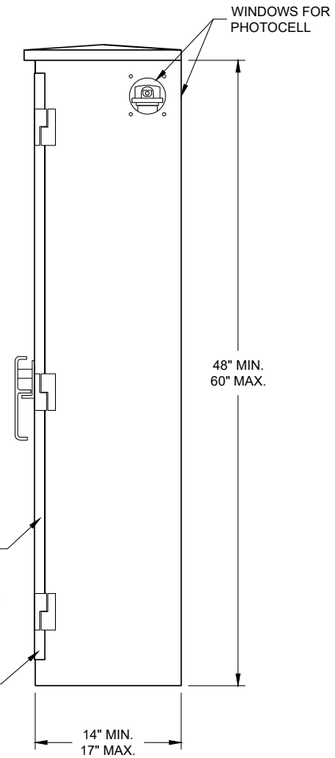
/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA

FRONT INTERIOR ELEVATION



SIDE VIEW



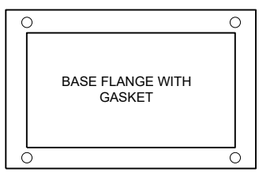
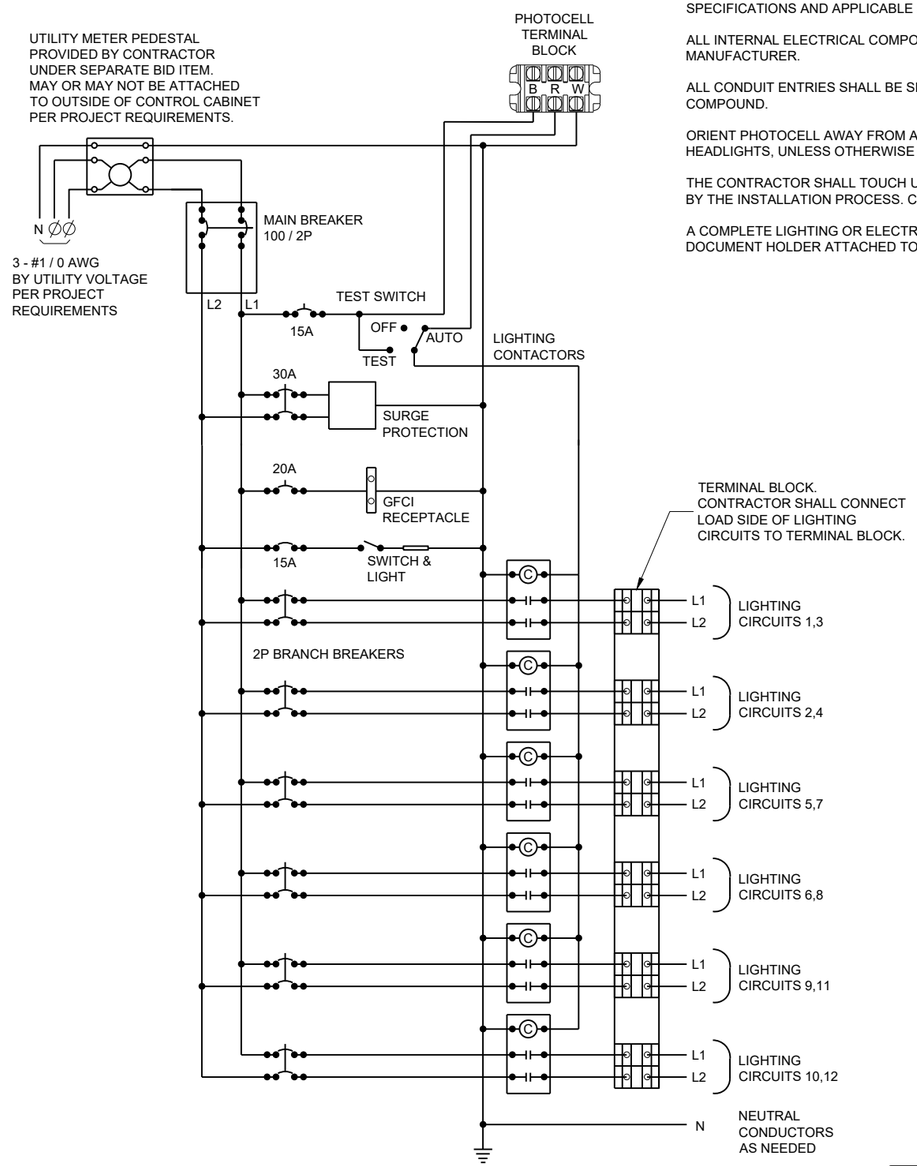


TABLE OF DIMENSIONS (INCHES)		
CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

LIGHTING CONTROL CABINET



CONTROL CABINET SCHEMATIC

GENERAL NOTES

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

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE - WIRED BY THE CABINENT MANUFACTURER.

ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS, UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISION.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

LIGHTING CONTROL CABINET
120 / 240 VOLT

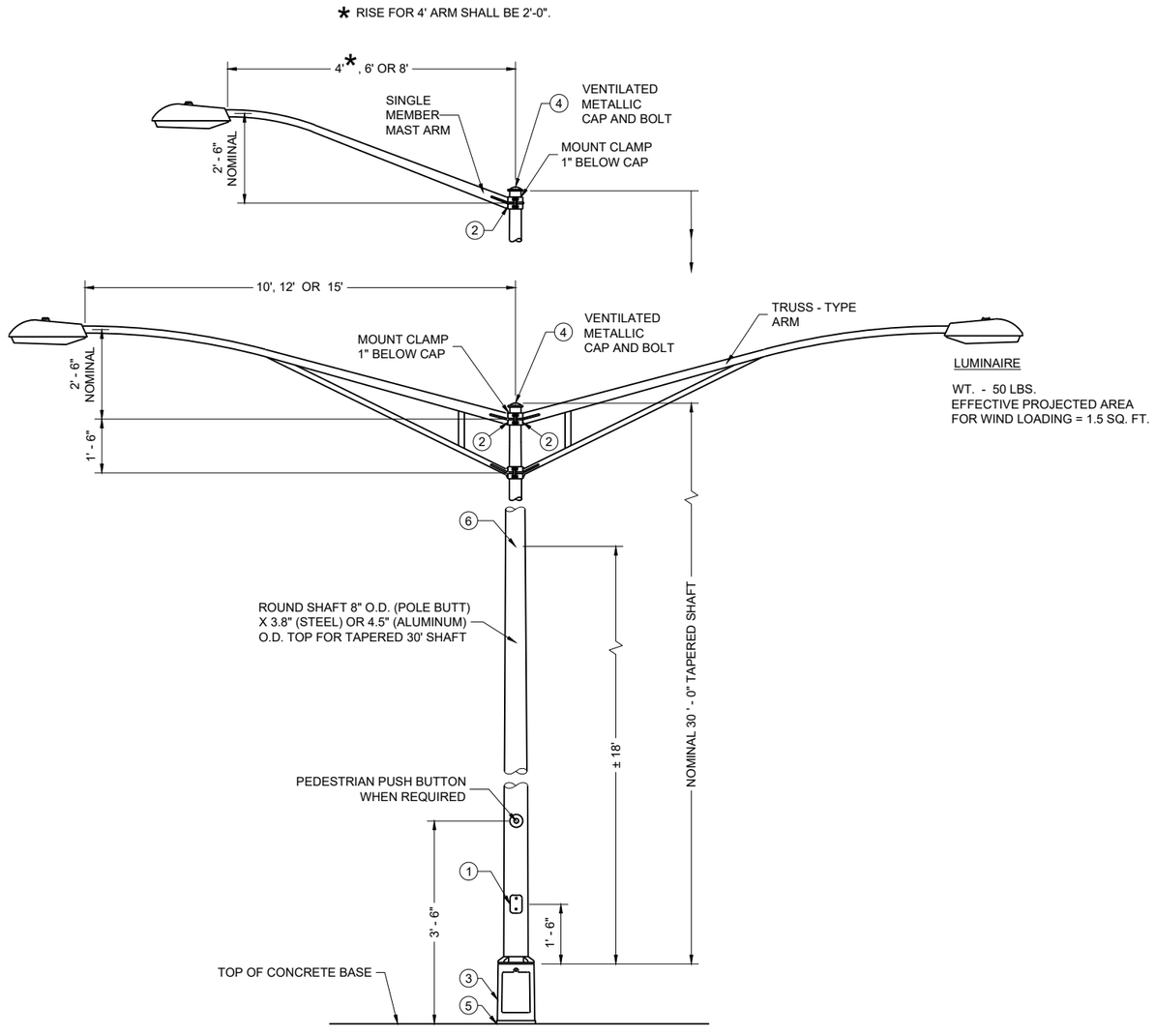
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 242

FHWA

6
SDD 09D04 - 03



TYPE 5 POLE MOUNTING CONFIGURATION

(MAXIMUM LOAD)

LIGHTING ONLY

LUMINAIRE

WT. - 50 LBS.
EFFECTIVE PROJECTED AREA
FOR WIND LOADING = 1.5 SQ. FT.

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"X¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

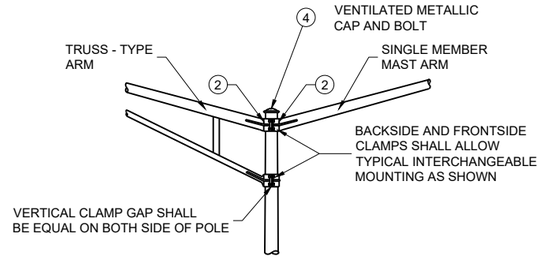
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ¼"X¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT. ONE (1)

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.

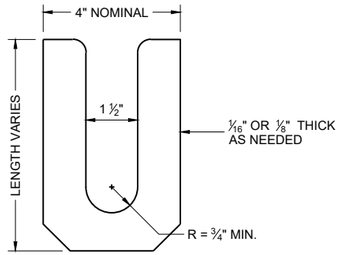


INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

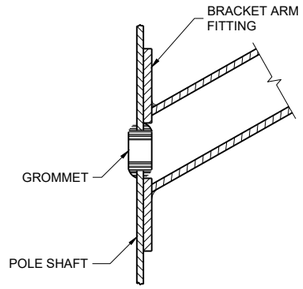
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 09E01-17d

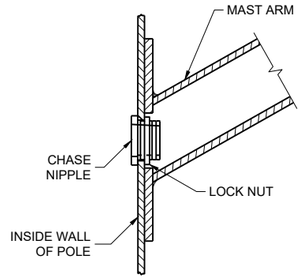


①

LEVELING SHIM
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.

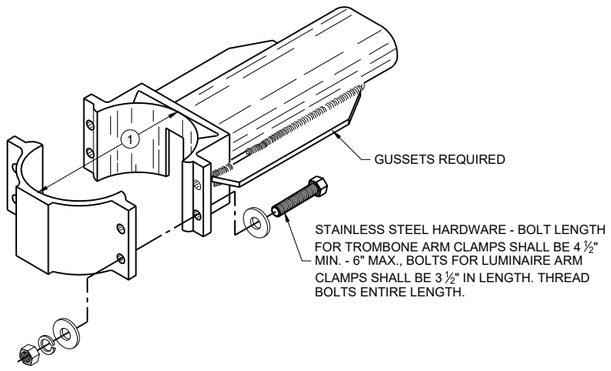
① 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

② INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

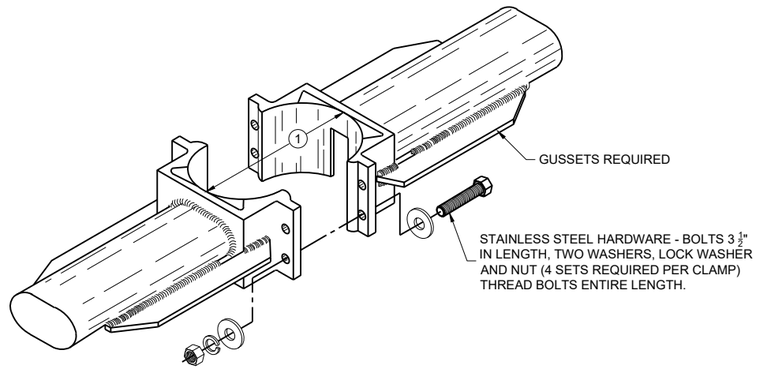
③ BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

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.

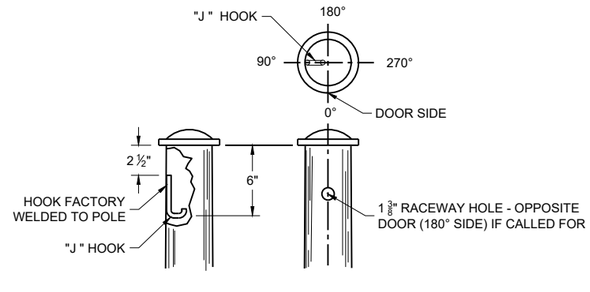
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



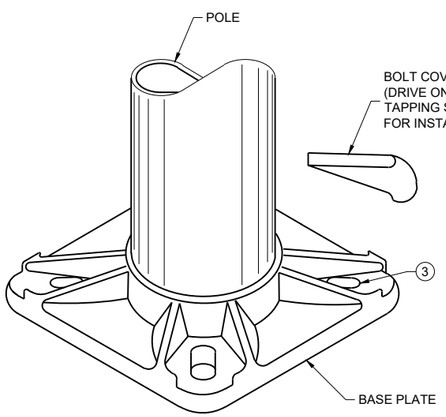
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



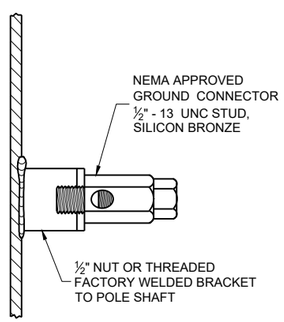
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

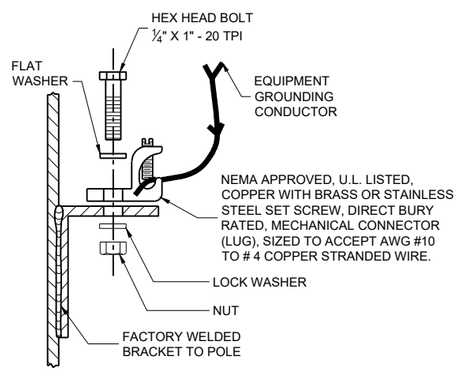


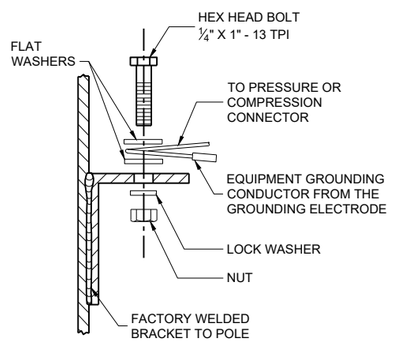
TYPICAL "J" HOOK LOCATION



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
February 2026 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGINEER

FHWA

SDD 09E01-17g

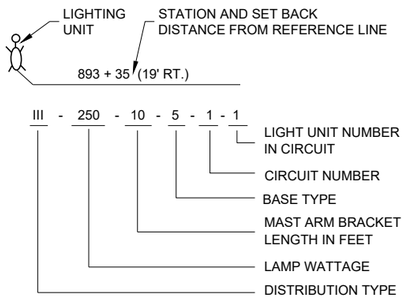
SDD 09E01-17g

GENERAL NOTES

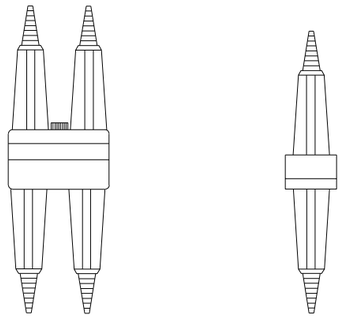
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

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.

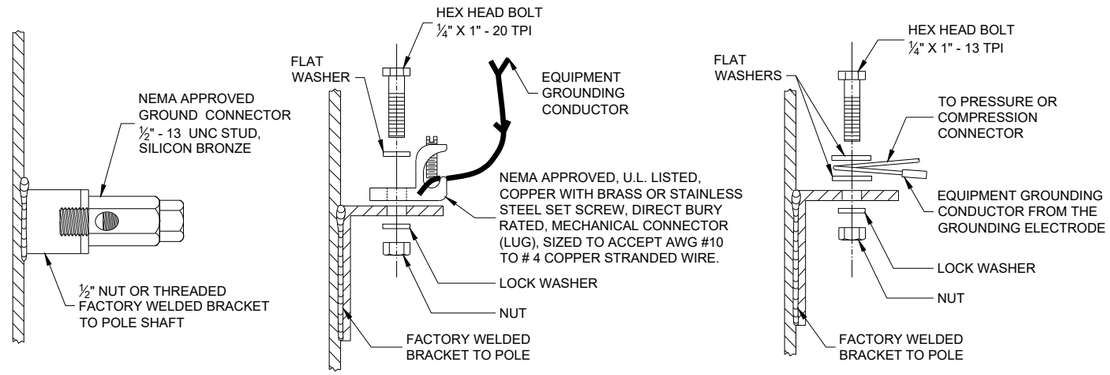


LIGHTING UNIT CODE
(TYPICAL)

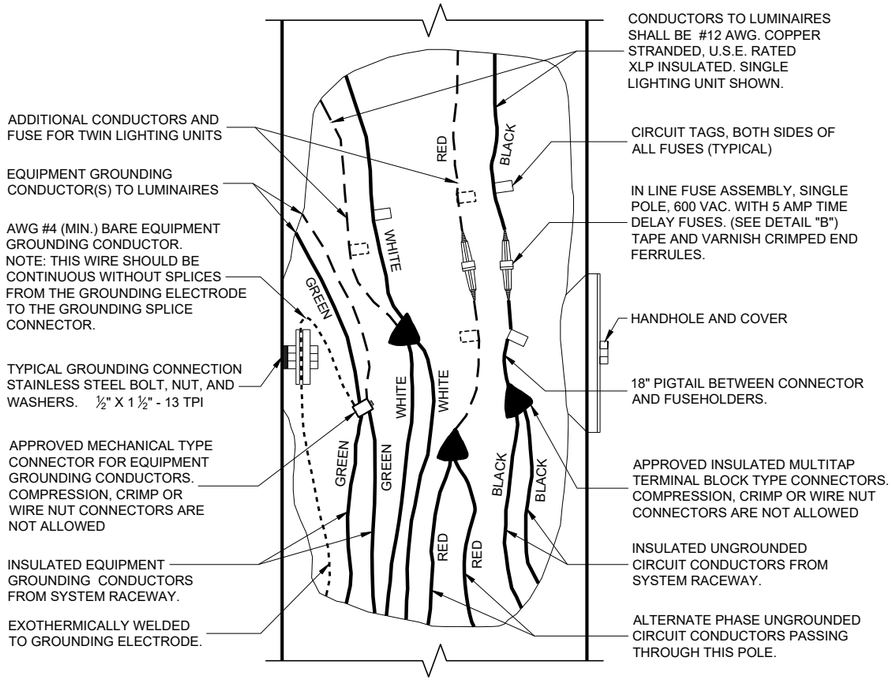


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

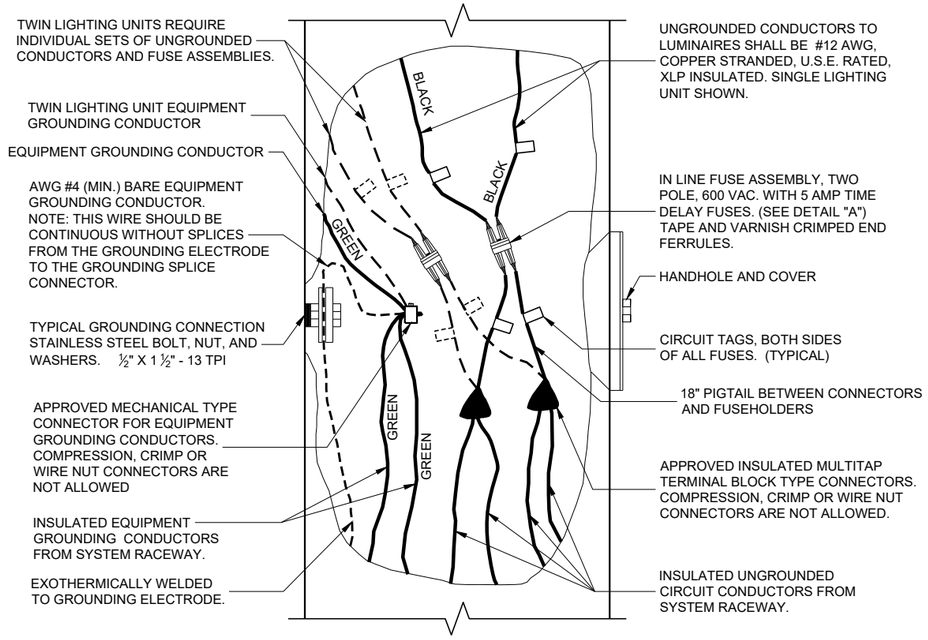
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



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

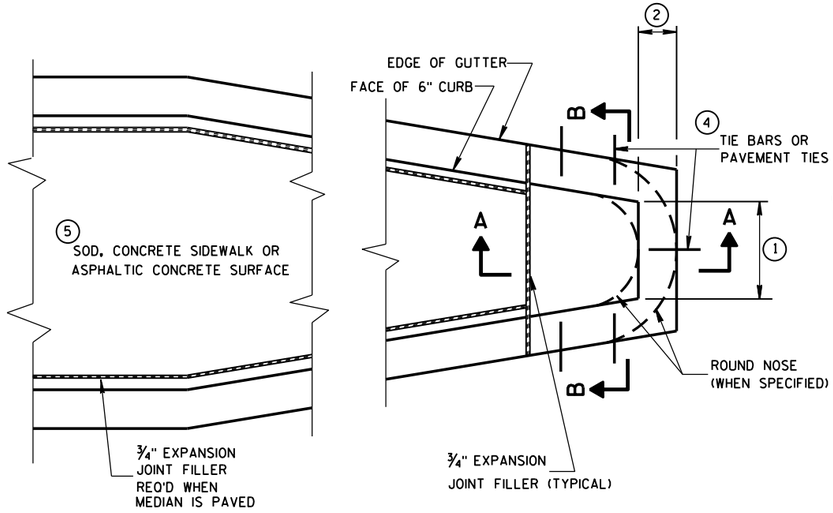
NON - FREEWAY LIGHTING UNIT POLE WIRING

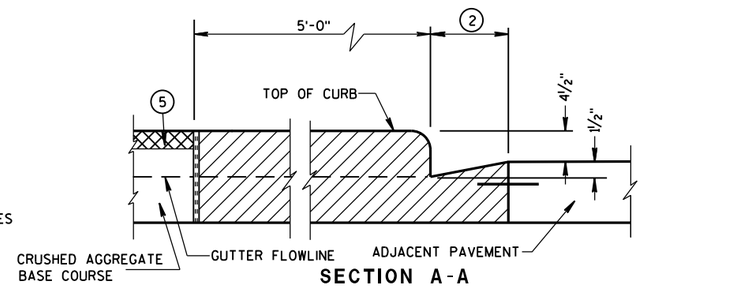
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

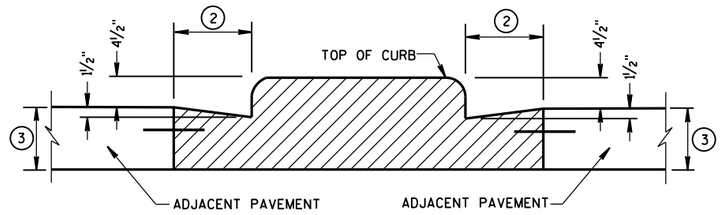
APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

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SDD 09E03 - 06







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.

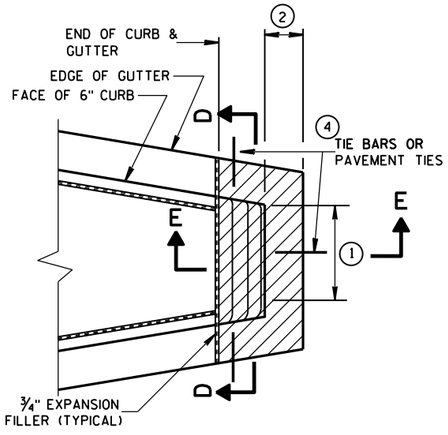
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

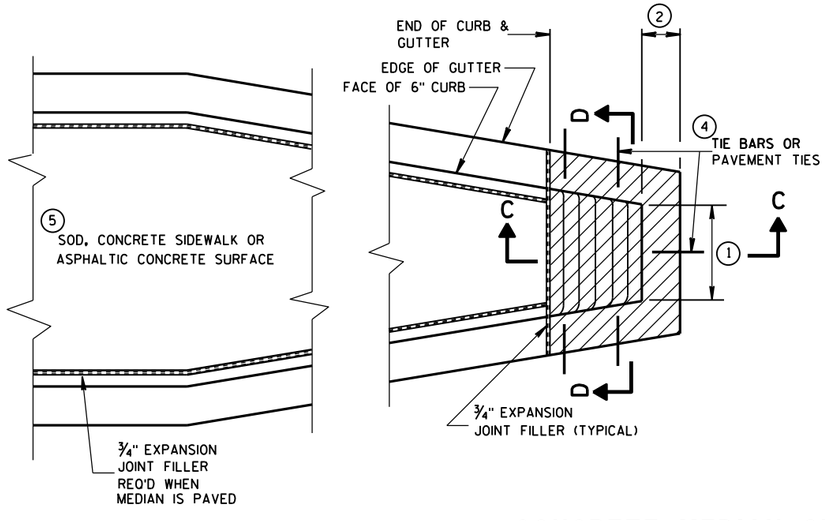
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

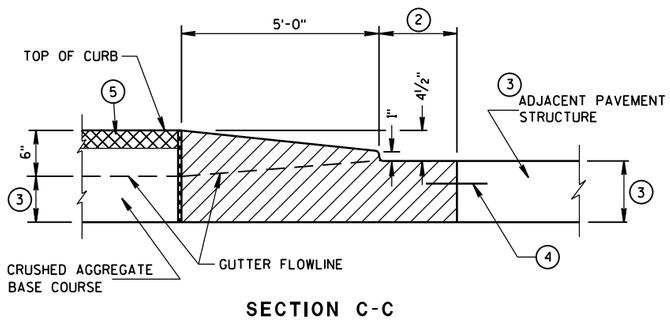
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

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.

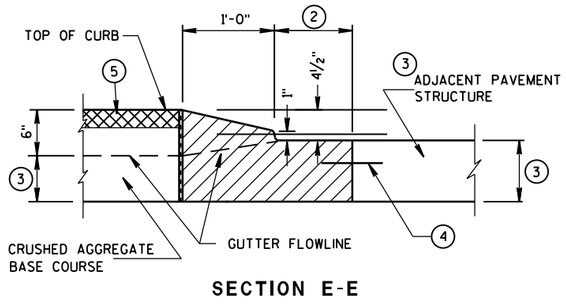
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



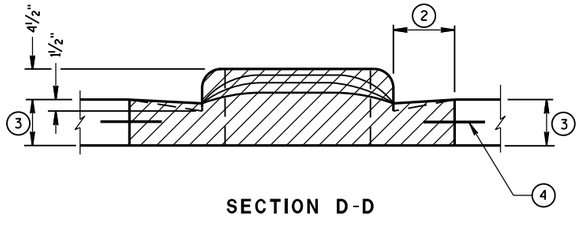




CONCRETE MEDIAN SLOPED NOSE TYPE 1



CONCRETE MEDIAN SLOPED NOSE TYPE 2



CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

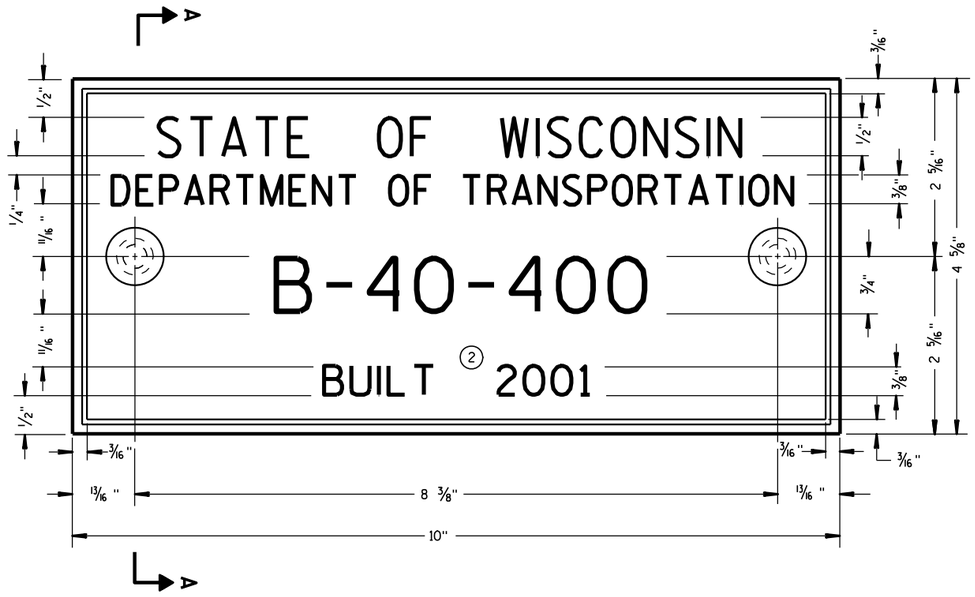
APPROVED
6/8/2006 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 11 B 2-2

6

S.D.D. 11 B 2-2



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)

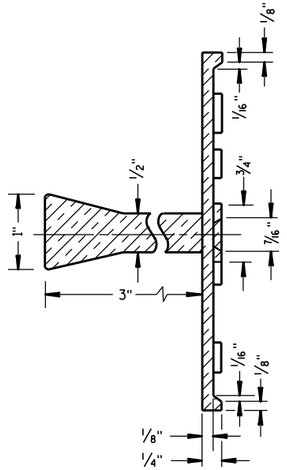
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

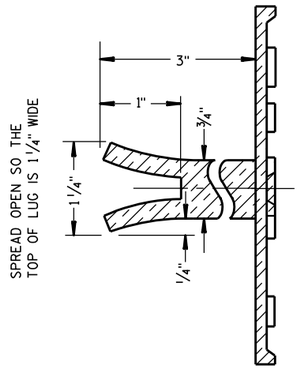
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG

FOR MULTI-UNIT STRUCTURES
LINE 3 ABOVE SHALL READ

B = BRIDGE
C = CULVERT
R = RETAINING WALL

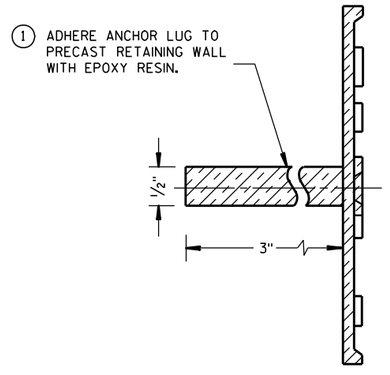
COUNTY NO.

BRIDGE NO.

UNIT NO. FOR MULTIPLE UNIT BRIDGE

B-40-400-1A

NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES



ALTERNATE LUG
(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/26/10 DATE

/S/ Scot Beck -- CHIEF STRUCTURAL DEVELOP ENGINEER

FHWA

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S.D.D. 12 A 3-10

6

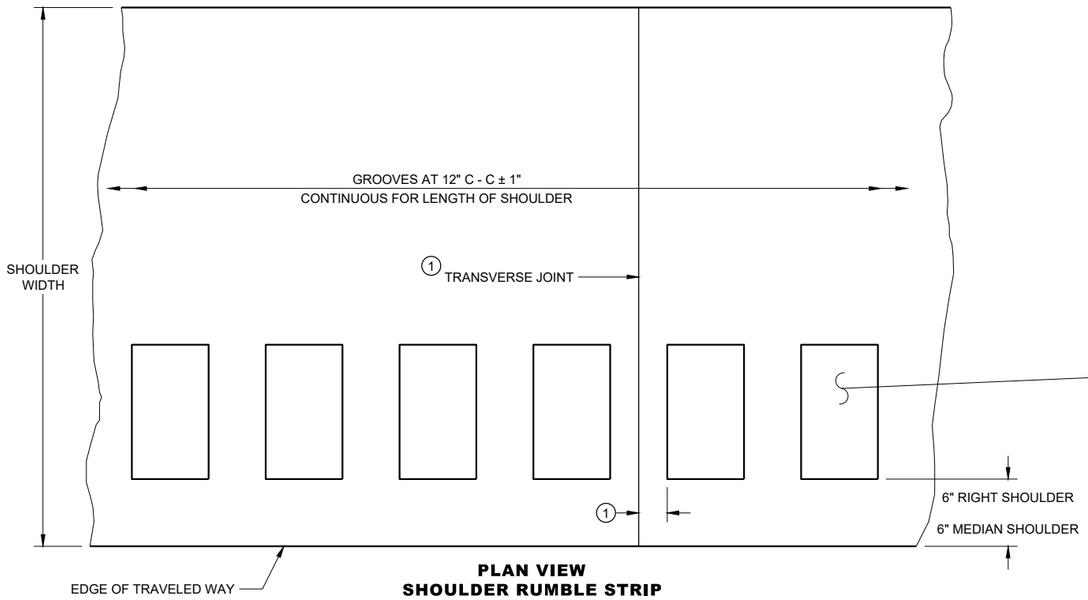
S.D.D. 12 A 3-10

GENERAL NOTES

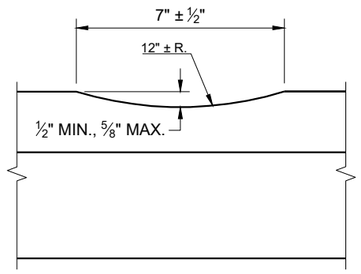
SDD 13A5, SHEET "b" SHOWS THE LOCATION OF THE RUMBLE STRIPS AT RAMP AND GORE LOCATIONS.

RUMBLE STRIPS ON EXPRESSWAYS:
DO NOT INSTALL SHOULDER RUMBLE STRIPS ACROSS SIDE ROAD INTERSECTIONS, COMMERCIAL AND PRIVATE DRIVEWAYS, ADJACENT TO RIGHT TURN LANES, LEFT TURN LANES, TURN LANE TAPERS, 25' IN ADVANCE OF BRIDGE DECKS, 25' IN ADVANCE OF BRIDGE APPROACHES, OR 100 FEET IN ADVANCE OF RAILROAD CROSSINGS.

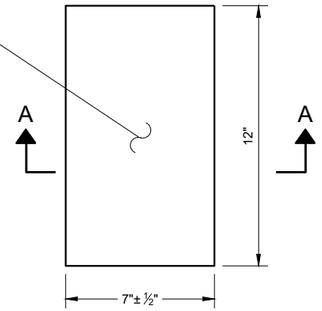
(1) CONCRETE PAVEMENT - RUMBLE STRIPS SHALL BE A MINIMUM OF 6 INCHES AWAY FROM TRANSVERSE JOINTS.



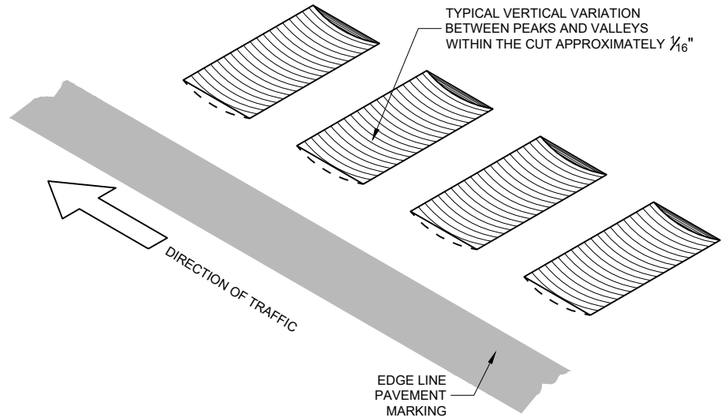
PLAN VIEW
SHOULDER RUMBLE STRIP



SECTION A - A

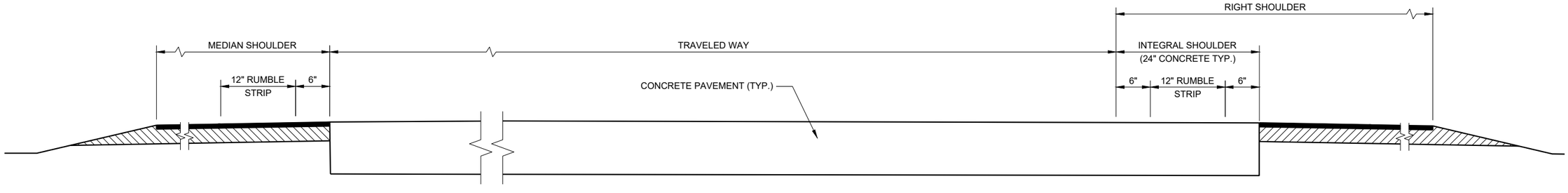


PLAN VIEW
(SINGLE GROOVE)



ISOMETRIC

PLACEMENT DETAIL FOR RUMBLE STRIP



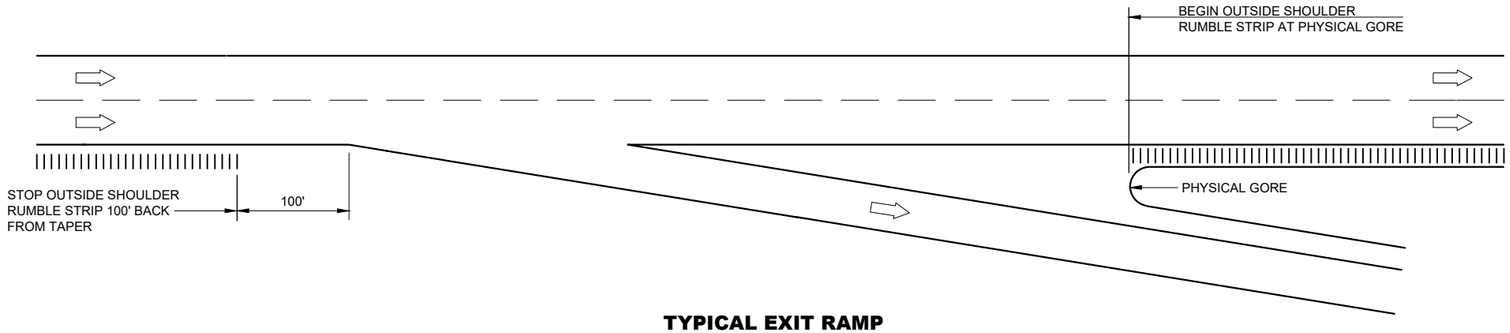
SECTION VIEW

TYPICAL SHOULDER RUMBLE STRIPS
(ONE ROADWAY IS SHOWN)

SHOULDER RUMBLE STRIPS, DIVIDED ROADWAY

SDD 13A05-06a

6



TYPICAL EXIT RAMP

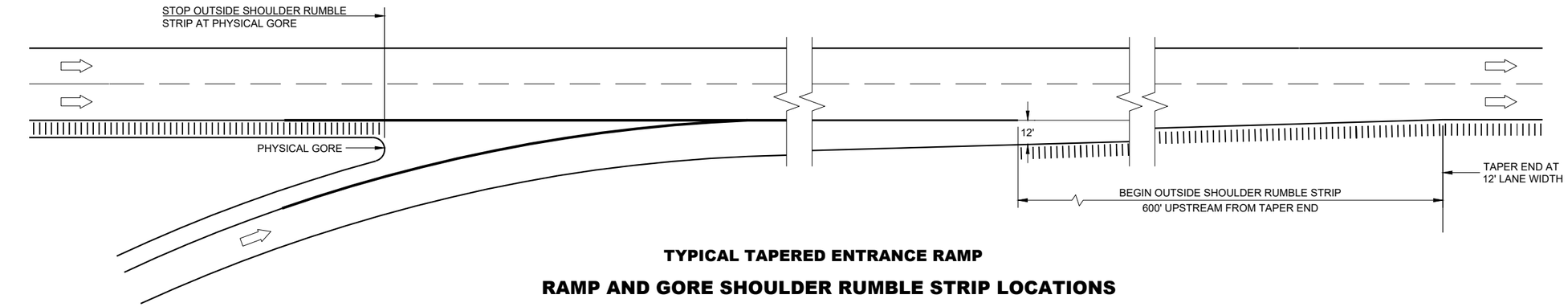
GENERAL NOTES

NO RUMBLE STRIP ON EXIT, DIRECTIONAL OR ENTRANCE RAMPS, EXCEPT NEAR THE ENTRANCE TAPER END AND ALONG THE PARALLEL RAMP AREA AS SHOWN.

RUMBLE STRIPS ON EXPRESSWAYS:
DO NOT INSTALL SHOULDER RUMBLE STRIPS ACROSS SIDE ROAD INTERSECTIONS, COMMERCIALAND PRIVATE DRIVEWAYS, ADJACENT TO RIGHT TURN LANES, LEFT TURN LANES, TURN LANE TAPERS, 25' IN ADVANCE OF BRIDGE DECKS, 25' IN ADVANCE OF BRIDGE APPROACHES, OR 100 FEET IN ADVANCE OF RAILROAD CROSSINGS.

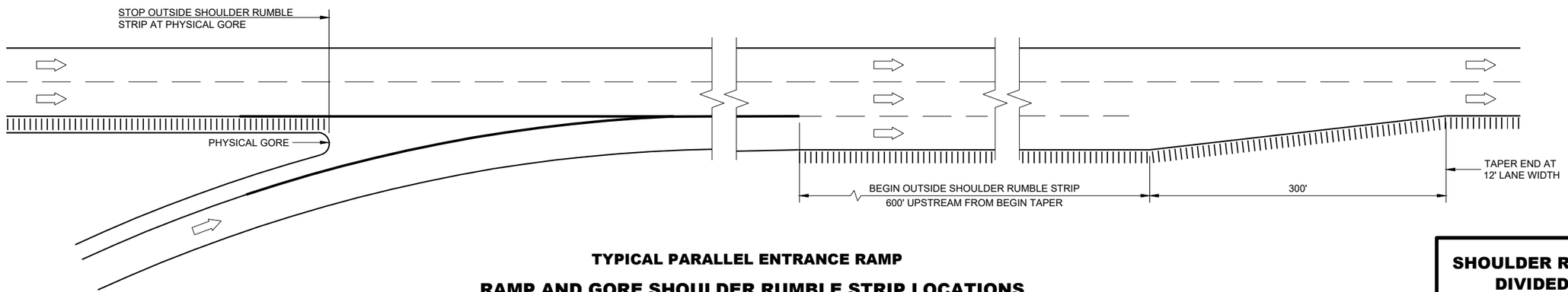
LEGEND

DIRECTION OF TRAFFIC



TYPICAL TAPERED ENTRANCE RAMP

RAMP AND GORE SHOULDER RUMBLE STRIP LOCATIONS



TYPICAL PARALLEL ENTRANCE RAMP

RAMP AND GORE SHOULDER RUMBLE STRIP LOCATIONS

SHOULDER RUMBLE STRIPS, DIVIDED ROADWAY

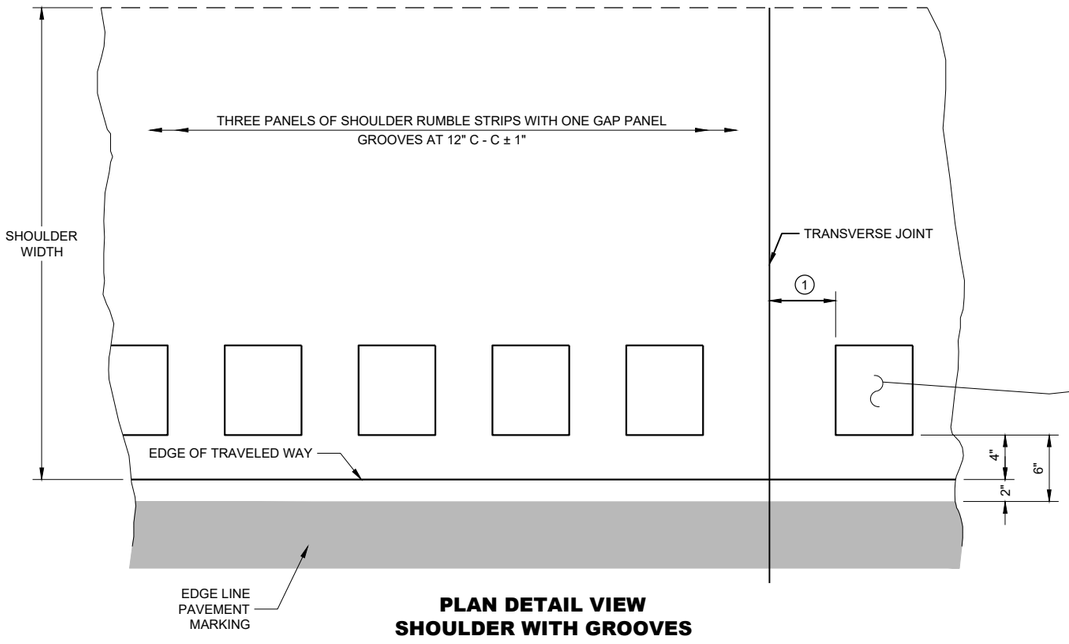
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

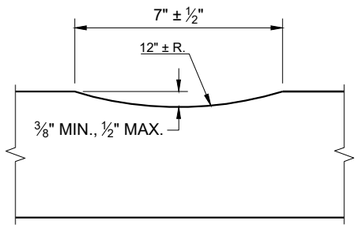
/S/ Rodney Taylor
ROADWAY DESIGN STANDARDS
UNIT SUPERVISOR

FHWA

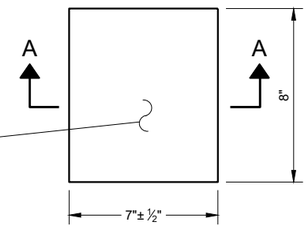
6
SDD 13A05-06b



PLAN DETAIL VIEW
SHOULDER WITH GROOVES



SECTION A - A



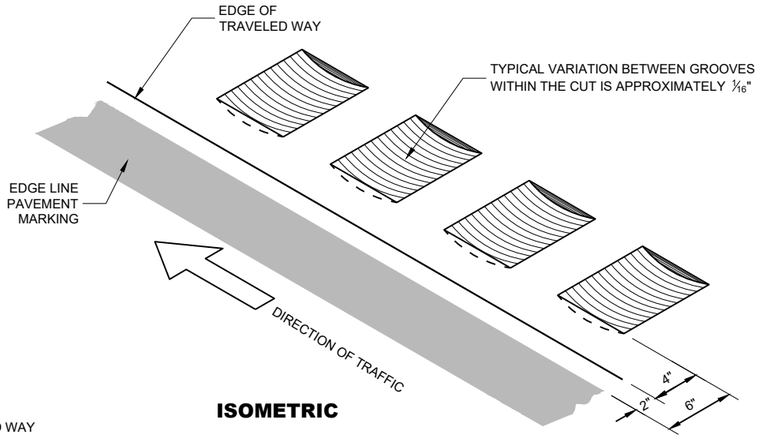
PLAN VIEW
(SINGLE GROOVE)

GENERAL NOTES

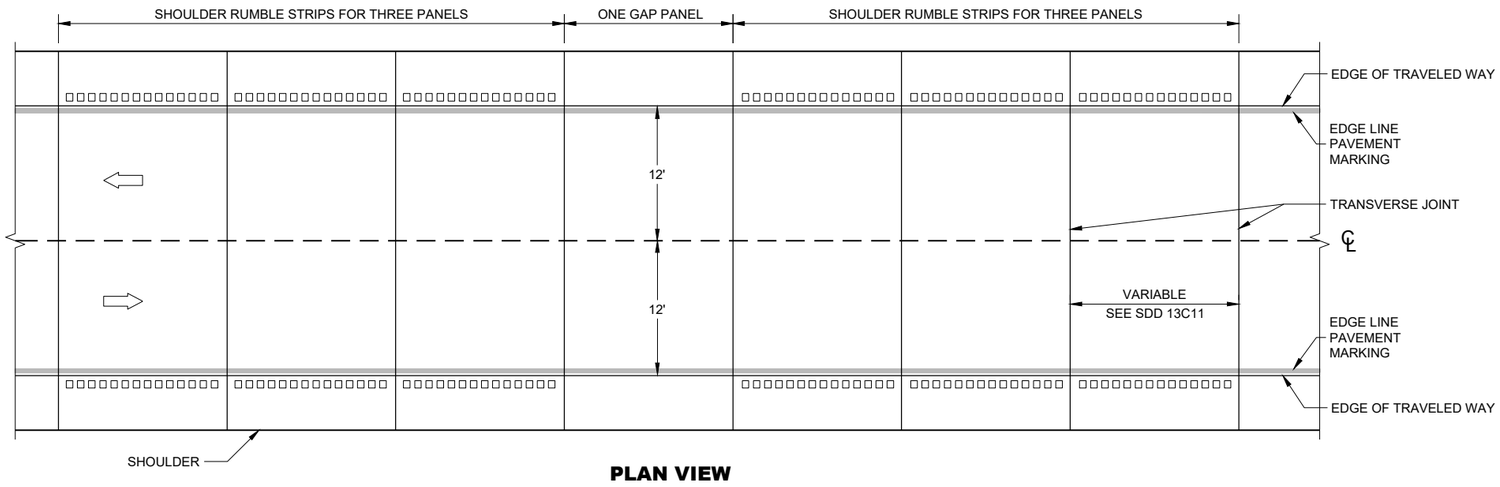
DO NOT MILL SHOULDER GROOVES THROUGH INTERSECTIONS, MARKED CROSSWALKS, NON-MOTORIZED PATH CROSSINGS, ETC. REFER TO SDD 13A10 SHEETS "g" AND "h".

SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS WHEN DIRECTED BY THE ENGINEER.

(1) FOR CONCRETE PAVEMENTS, RUMBLE STRIPS SHALL BE A MINIMUM OF 6 INCHES FROM TRANSVERSE JOINTS.



ISOMETRIC



PLAN VIEW

SHOULDER RUMBLE STRIPS - CONCRETE

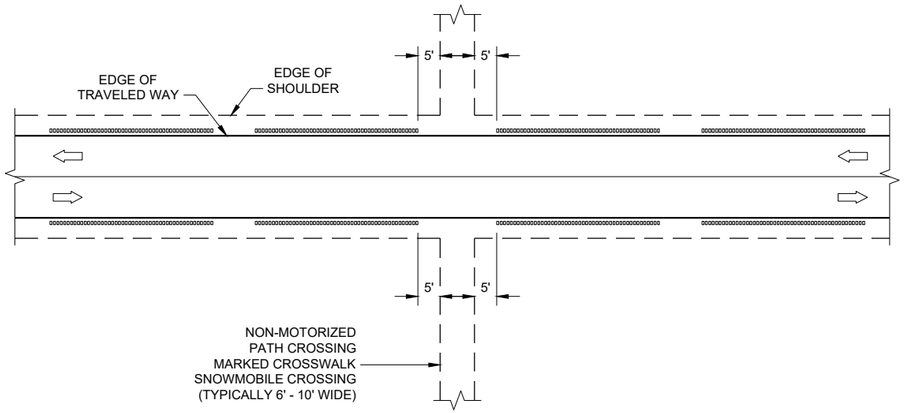
SHOULDER RUMBLE STRIPS - CONCRETE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	250

6

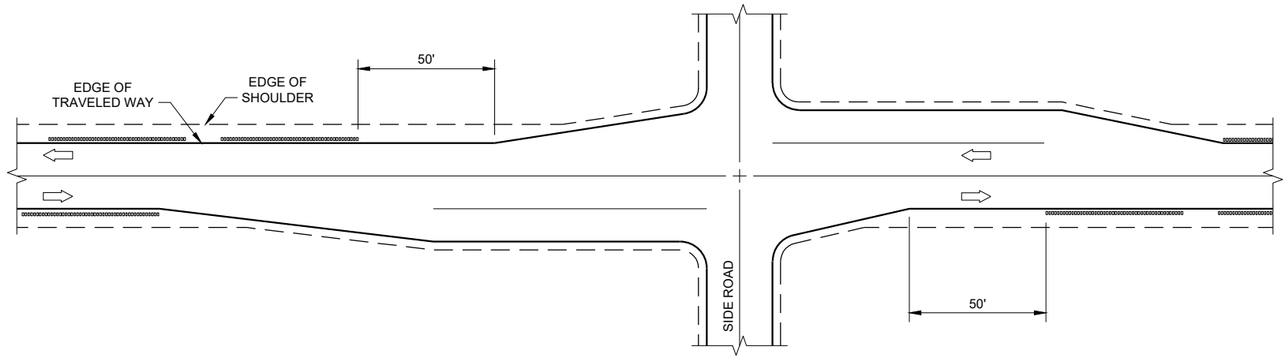
SDD 13A10 - 03b

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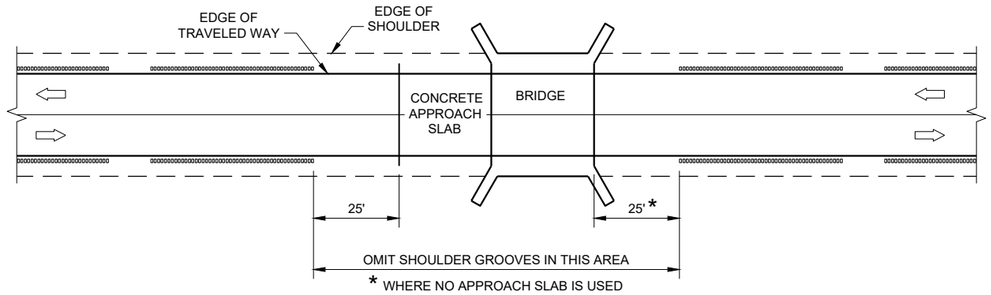
SDD 13A10 - 03b



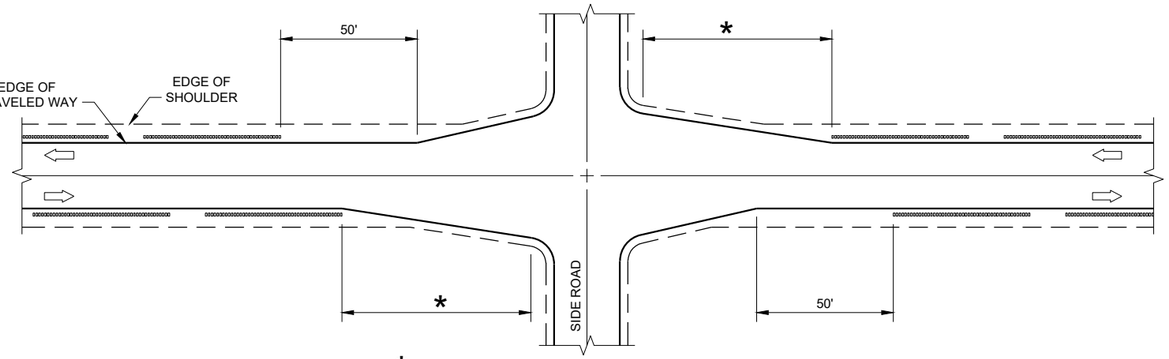
GROOVES AT MISCELLANEOUS CROSSINGS



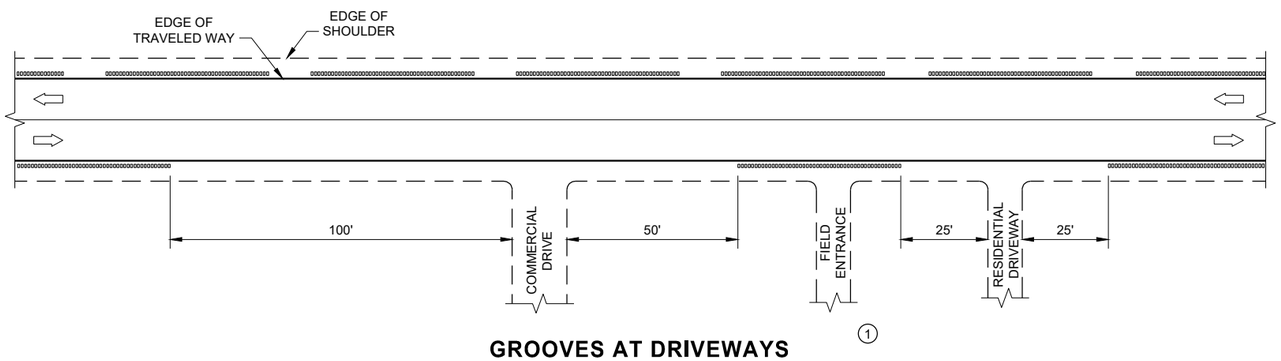
GROOVES AT RIGHT TURN LANE



GROOVES AT BRIDGES



GROOVES AT INTERSECTIONS WITH APPROACH TAPER



GROOVES AT DRIVEWAYS ①

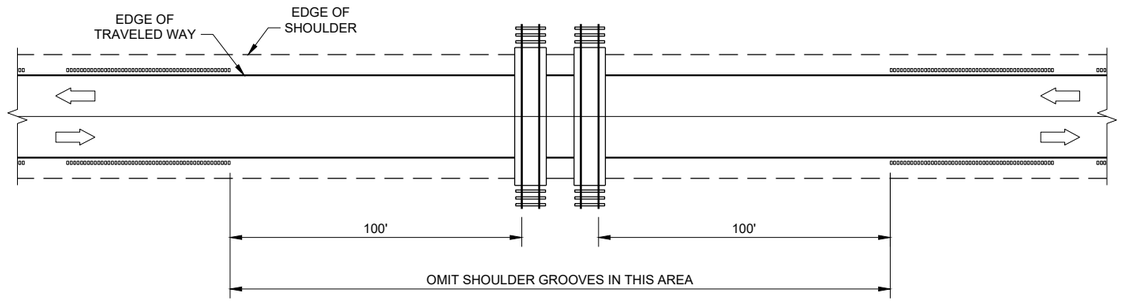
GENERAL NOTES

① SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.

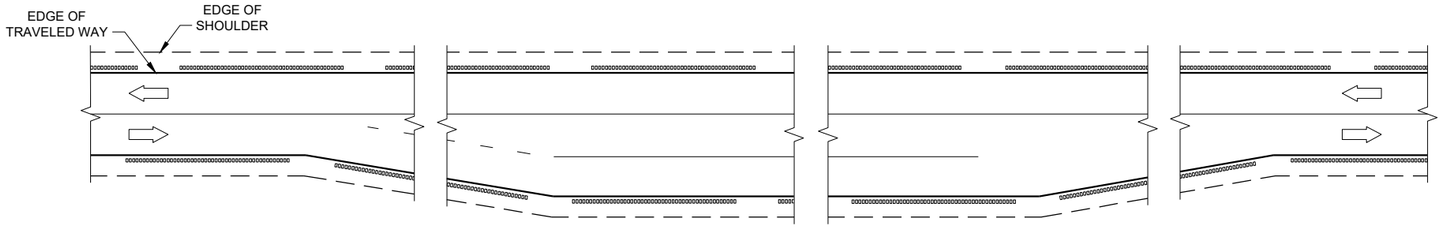
SHOULDER AND EDGE LINE RUMBLE STRIPS CROSSINGS, INTERSECTIONS, BRIDGES, DRIVEWAYS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

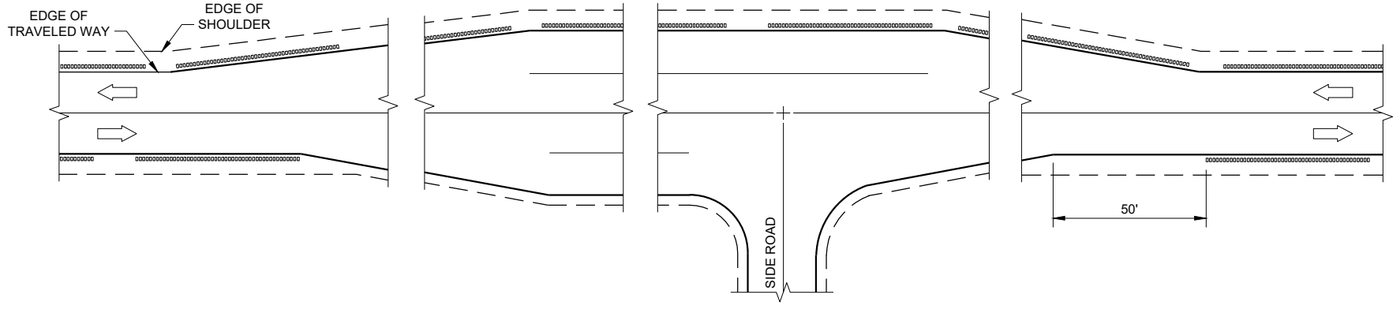
6
SDD 13A10 - 03g



GROOVES AT RAILROADS



GROOVES AT PASSING AND CLIMBING LANES



GROOVES AT BYPASS LANES

6

SDD 13A10 - 03h

SHOULDER AND EDGE LINE RUMBLE STRIPS - RAILROAD, PASSING, CLIMBING AND BYPASS LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

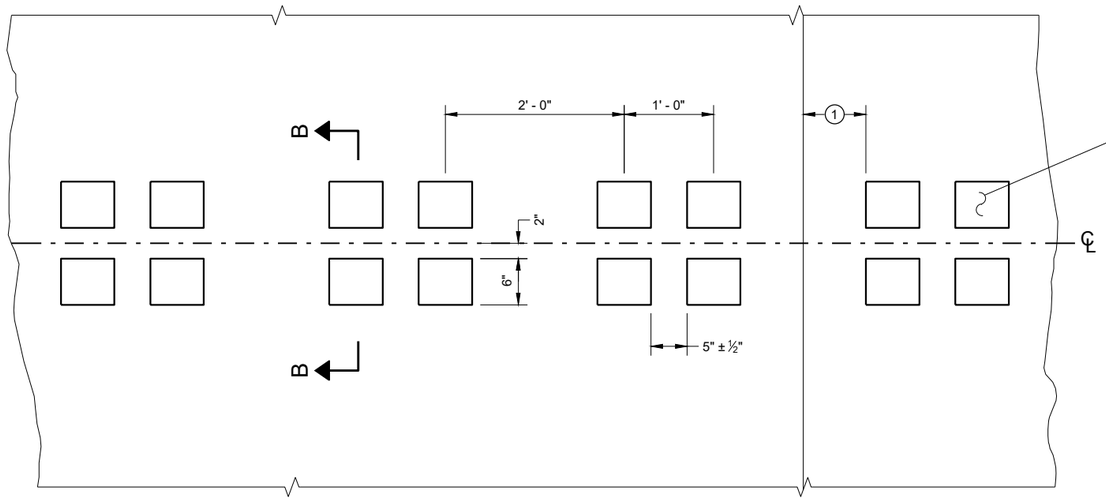
APPROVED
May 2023
DATE

/S/ John Jenkins
ROADWAY STANDARDS DEVE ENGINEER

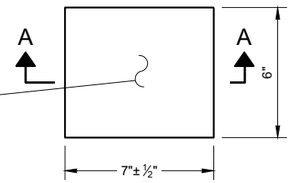
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SDD 13A10 - 03h



PLAN DETAIL VIEW



PLAN VIEW
(SINGLE GROOVE)

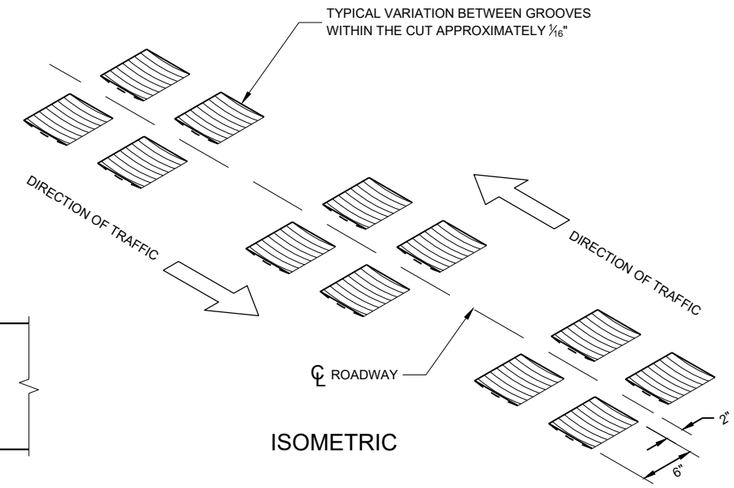
GENERAL NOTES

SDD 13A11, SHEET "d" SHOWS THE LOCATION OF RUMBLE STRIPS AT INTERSECTIONS, INTERSECTIONS WITH LEFT TURN LANES, BRIDGES, COMMERCIAL AND RESIDENTIAL DRIVEWAYS AND RAILROAD CROSSINGS.

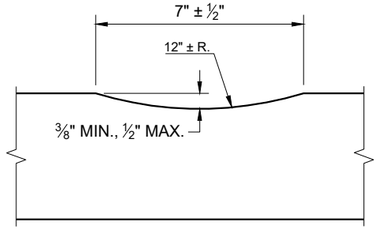
TEMPORARY PAVEMENT MARKINGS ARE TYPICALLY PLACED PRIOR TO RUMBLE STRIP INSTALLATION. PERMANENT MARKINGS ARE INSTALLED AFTER RUMBLE STRIP INSTALLATION.

CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS WHEN DIRECTED BY THE ENGINEER.

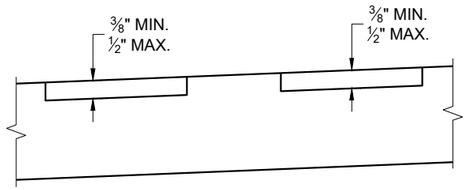
(1) CONCRETE PAVEMENT RUMBLE STRIPS SHALL BE A MINIMUM OF 6 INCHES FROM TRANSVERSE JOINTS.



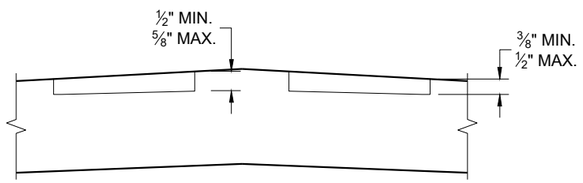
ISOMETRIC



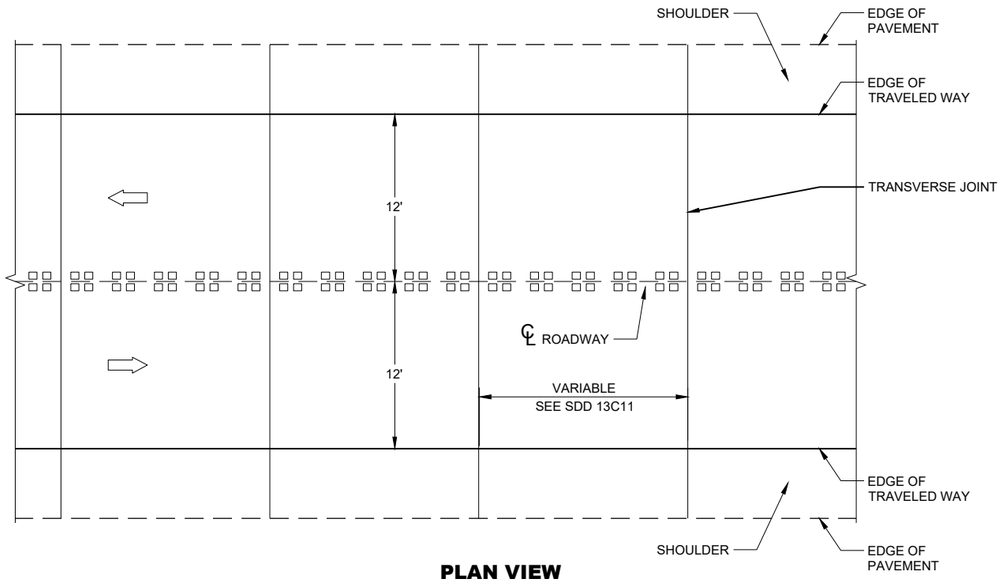
SECTION A - A



SECTION B - B
SUPERELEVATED ROADWAY



SECTION B - B
CROWNED ROADWAY



PLAN VIEW

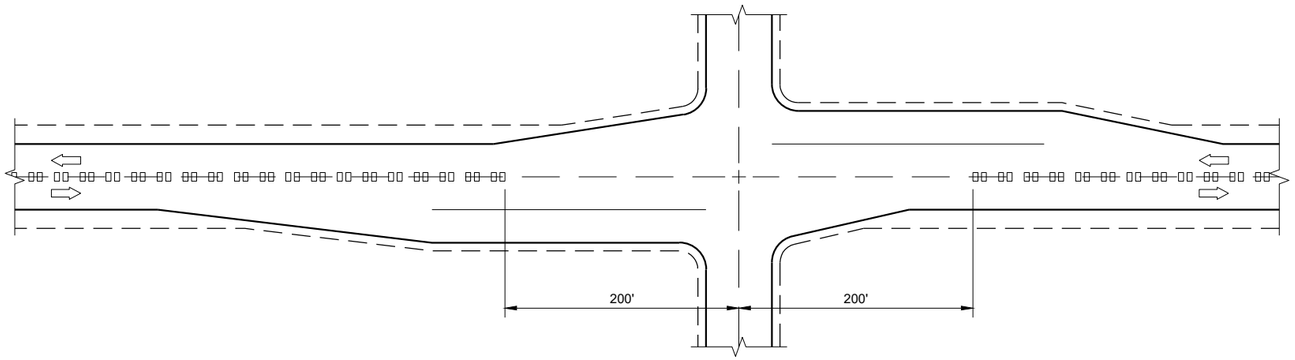
CENTERLINE RUMBLE STRIPS - CONCRETE

CENTERLINE RUMBLE STRIPS - CONCRETE

STATE OF WISCONSIN
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6

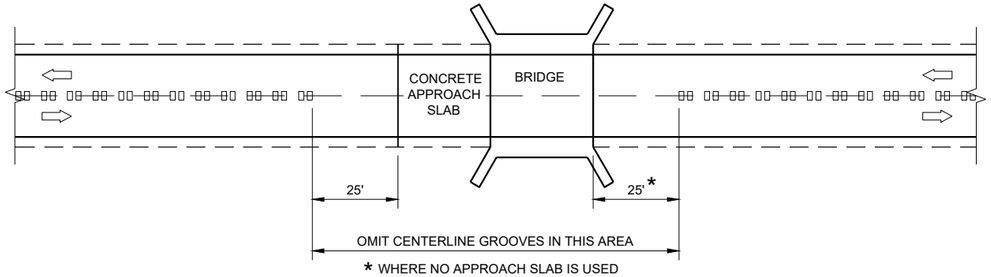
SDD 13A11 - 04b



CENTERLINE GROOVES AT INTERSECTIONS

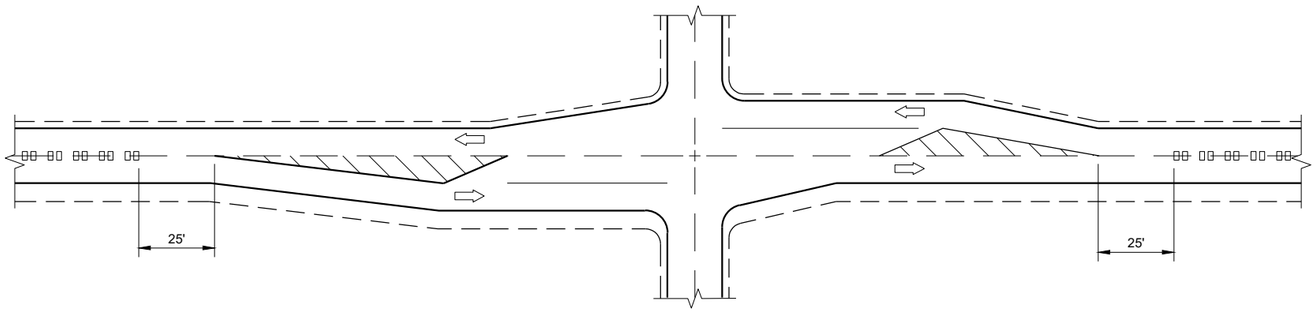
GENERAL NOTES

1. CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS WHEN DIRECTED BY THE ENGINEER.

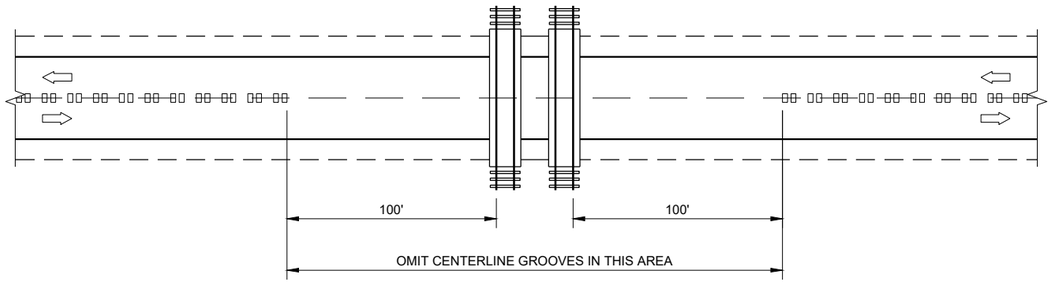


* WHERE NO APPROACH SLAB IS USED

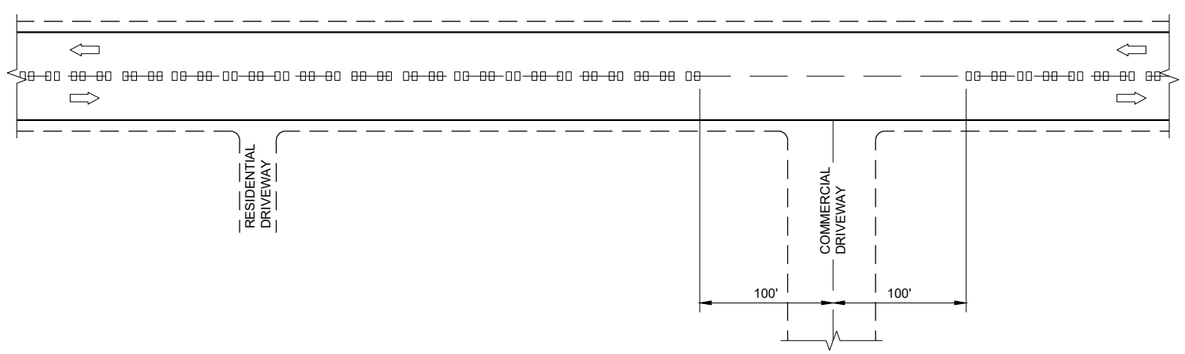
CENTERLINE GROOVES AT BRIDGES



CENTERLINE GROOVES AT INTERSECTIONS (WITH LEFT TURN LANES)



CENTERLINE GROOVES AT RAILROADS



CENTERLINE GROOVES AT DRIVEWAYS (1)

CENTER LINE RUMBLE STRIPS - INTERSECTIONS, DRIVEWAYS, BRIDGES, RAIL ROADS

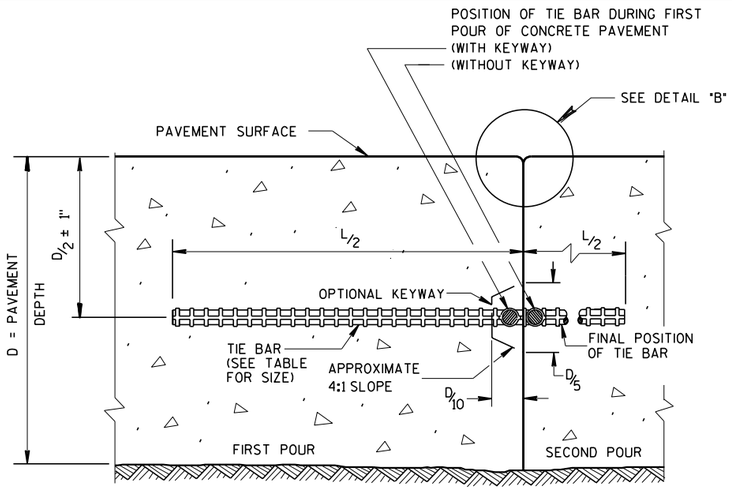
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ John Jenkins — ROADWAY STANDARDS DEVE ENGINEER

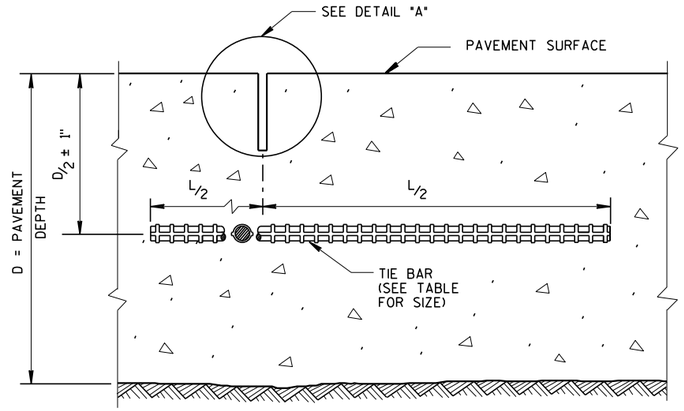
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SDD 13A11 - 04d



CONSTRUCTION JOINT



SAWED JOINT

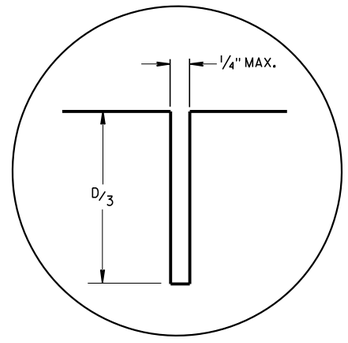
GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

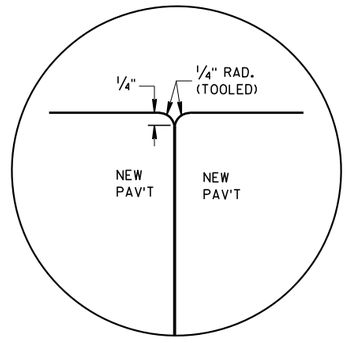
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

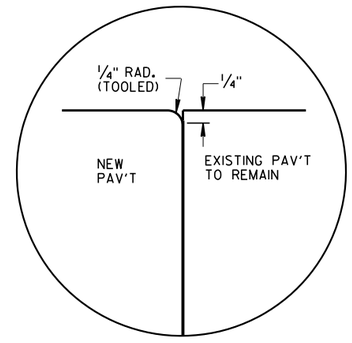
(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.



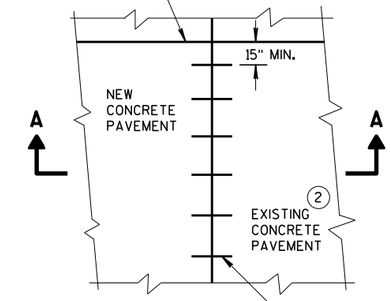
DETAIL "A"



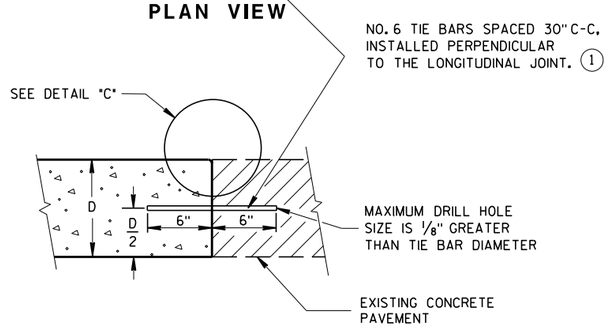
DETAIL "B"



DETAIL "C"



PLAN VIEW



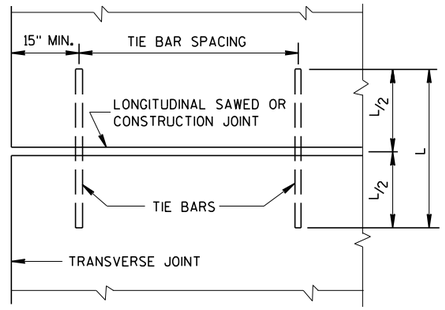
SECTION A-A
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

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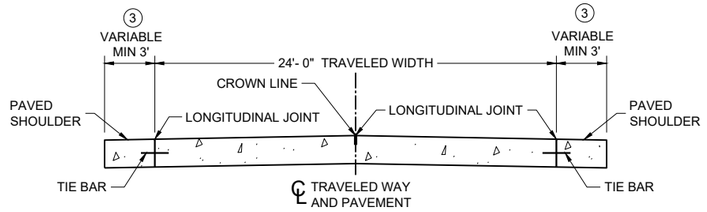
APPROVED
March 2018 — DATE
/S/ Peter Kemp — PAVEMENT SUPE
FHWA

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S.D.D. 13 C 1-19

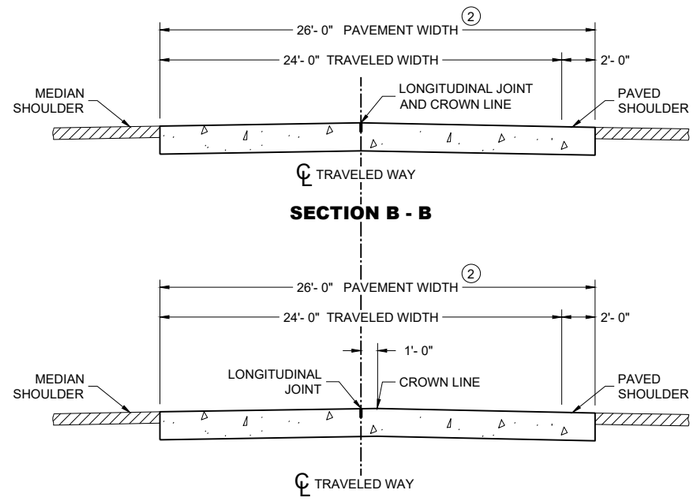
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S.D.D. 13 C 1-19



SECTION A - A

TWO-LANE TWO-WAY HIGHWAY (1)



SECTION B - B

ALTERNATIVE SECTION B - B

DIVIDED HIGHWAY (1)

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES FROM AND A MAXIMUM OF 18 INCHES FROM THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO THE CONTRACTION JOINTS.

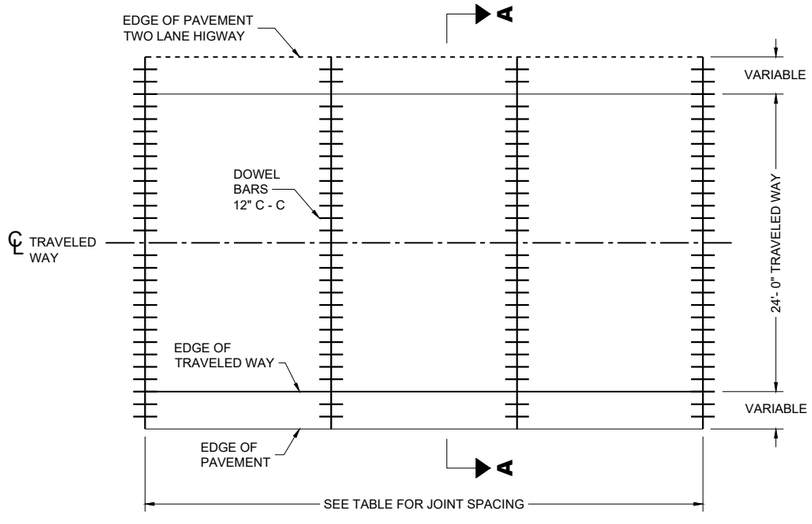
(1) REFER TO TYPICAL CROSS SECTIONS FOR ADDITIONAL DETAILS.

(2) MEASURE THE ENTIRE PAVED WIDTH INCLUDING THE PORTION(S) LABELED "PAVED SHOULDER" AS CONCRETE PAVEMENT.

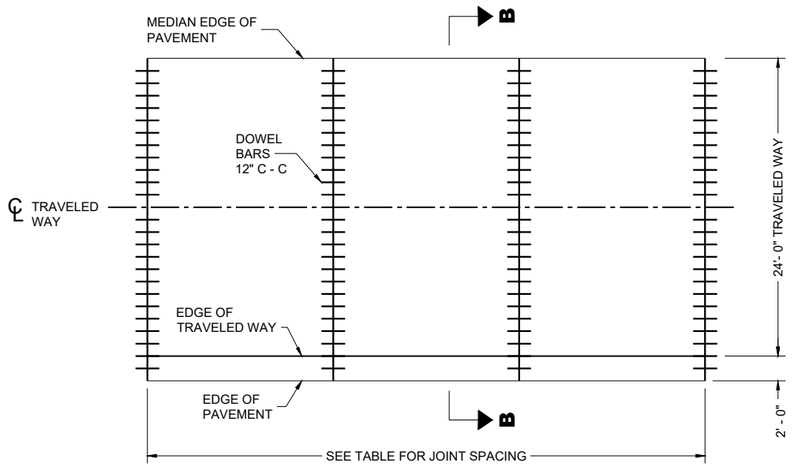
(3) SHOULDER WIDTHS LESS THAN 3 FEET SHALL BE PAVED INTEGRAL TO THE MAINLINE CONCRETE PAVEMENT, SEE SECTION B-B.

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8" & ABOVE	1 ¼"	15'



CONTRACTION JOINT LAYOUT FOR TWO-LANE TWO-WAY HIGHWAY



CONTRACTION JOINT LAYOUT FOR DIVIDED HIGHWAY

RURAL DOWELED CONCRETE PAVEMENT

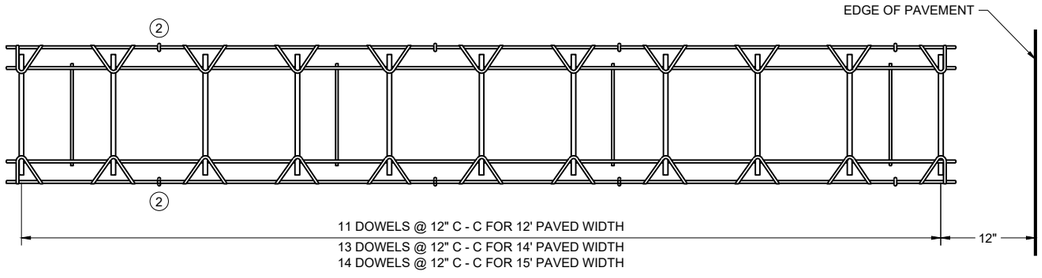
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 13C11-15a

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SDD 13C11-15a



PLAN VIEW



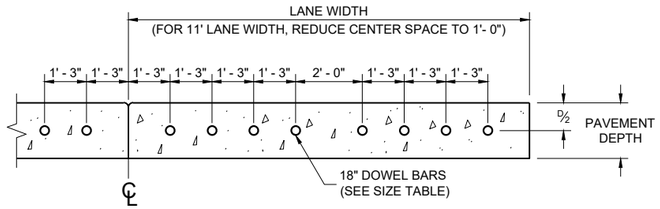
SIDE VIEW

(NORMAL TO CENTERLINE)

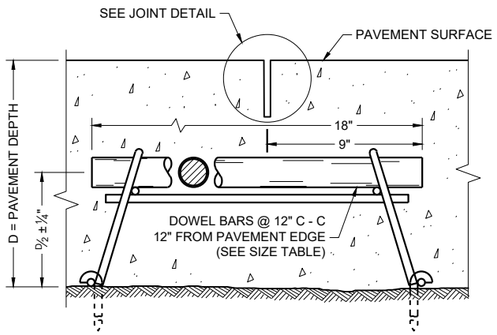
CONTRACTION JOINT DOWEL ASSEMBLY (1)

GENERAL NOTES

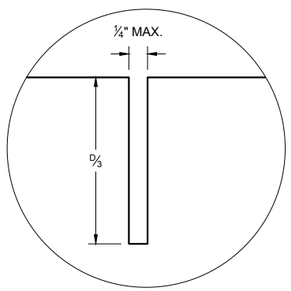
1. OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTION CONTRACTION JOINTS.
2. SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.
3. FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼" RADIUS AT FORMED JOINTS.
4. PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.
5. INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C - C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO THE "DRILLED DOWEL BAR CONSTRUCTION JOINT" DETAIL.
6. APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.
7. ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛" GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



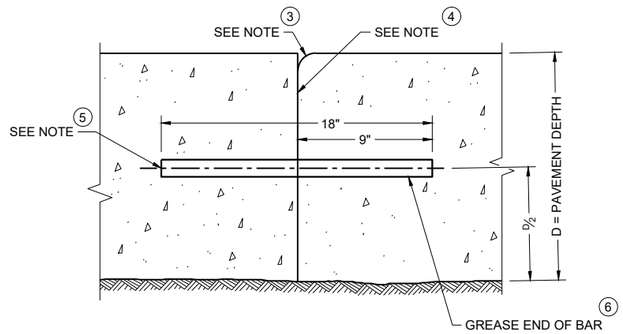
DRILLED DOWEL BAR CONSTRUCTION JOINT (7)



DOWELED CONTRACTION JOINT



JOINT DETAIL



TRANSVERSE CONSTRUCTION JOINT

RURAL DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Peter Kemp P.E. — PAVEMENT SUPERVISOR

FHWA

6

SDD 13C11-15b

SDD 13C11-15b

GENERAL NOTES

PCCP = PORTLAND CEMENT CONCRETE PAVEMENT.

SHLDR = SHOULDER.

CONTINUE SAW CUT CONTRACTION JOINT ACROSS TURN LANE, EXIT TAPER AND PASSING LANE.

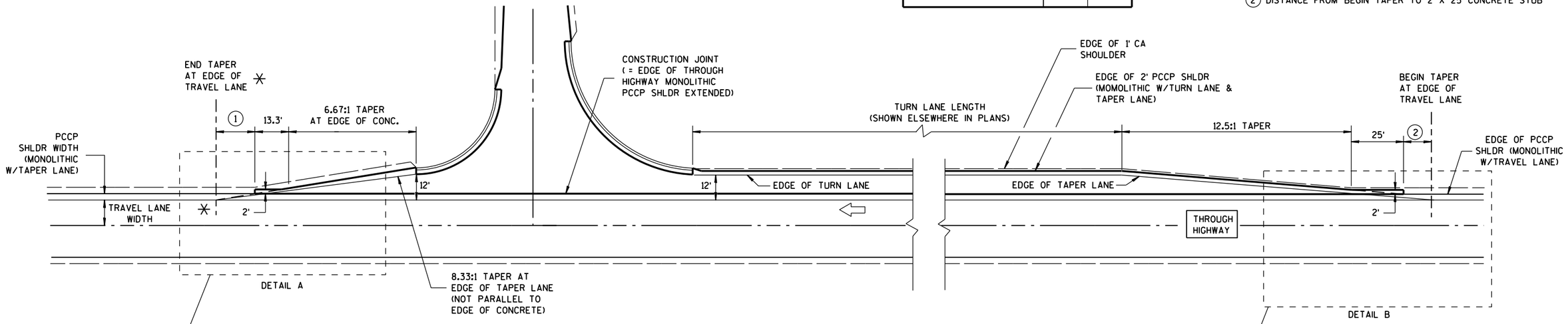
PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

THROUGH HIGHWAY LANE WIDTH AND PCCP SHOULDER WIDTH ARE SHOWN ELSEWHERE IN PLANS

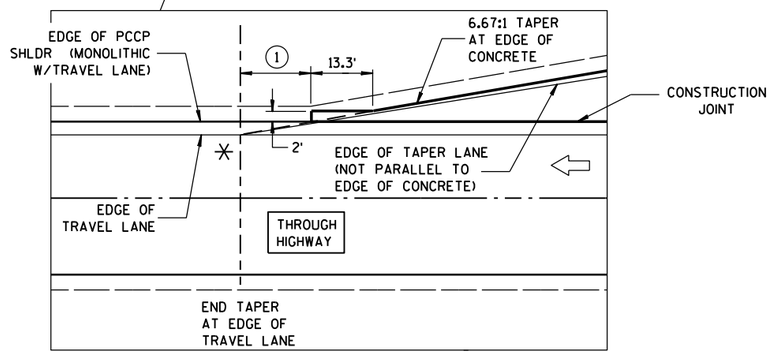
(1) DISTANCE FROM END TAPER TO 2' X 13.3' CONCRETE STUB

(2) DISTANCE FROM BEGIN TAPER TO 2' X 25' CONCRETE STUB

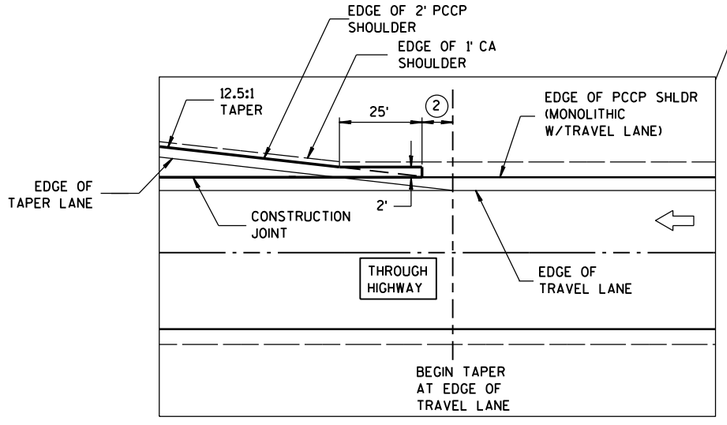
THROUGH HIGHWAY MONOLITHIC PCCP SHOULDER WIDTH (FEET)	DISTANCE (FEET) (1)	DISTANCE (FEET) (2)
2	13.3	0.0
3	20.0	12.5
TAPER RATE : 1	6.67	12.5



✳ NOTE: EDGE OF CONCRETE TAPER (EXTENDED) & EDGE OF TAPER LANE CONVERGE



DETAIL A



DETAIL B

RIGHT TURN LANE AND EXIT TAPER

DETAIL FOR RIGHT TURN LANE/ TEE INTERSECTION BYPASS LANE ON A CONCRETE ROADWAY

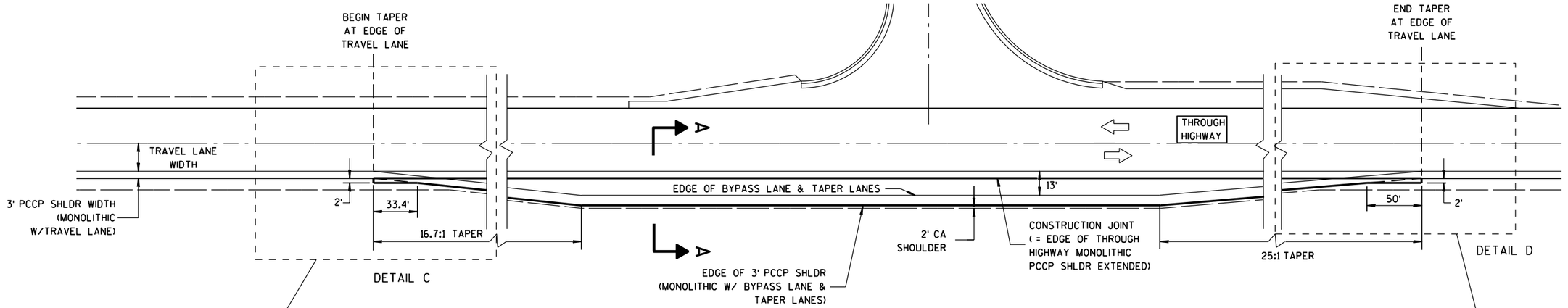
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

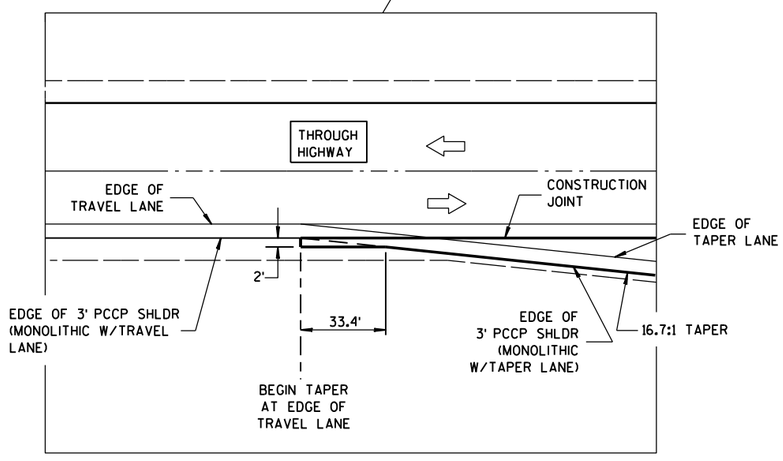
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S.D.D. 13 C 16-2a

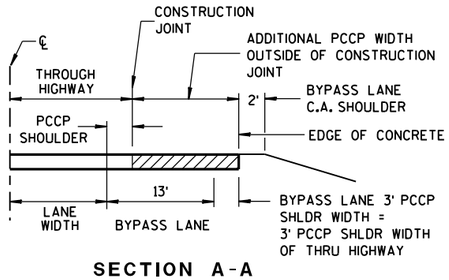
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S.D.D. 13 C 16-2a



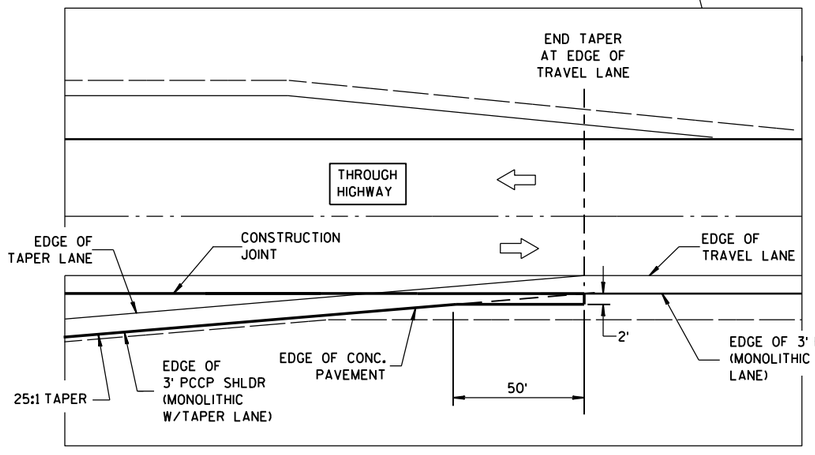


DETAIL C



SECTION A-A

(SHOWING BYPASS LANE AND SHOULDER)



DETAIL D

TWO LANE UNDIVIDED HIGHWAY TEE INTERSECTION BYPASS LANE

DETAIL FOR RIGHT TURN LANE/ TEE INTERSECTION BYPASS LANE ON A CONCRETE ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

12/18/12
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

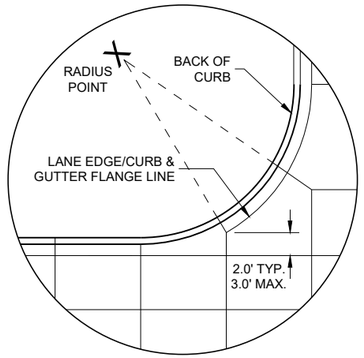
FHWA

6

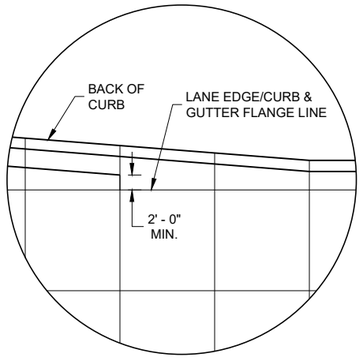
S.D.D. 13 C 16-2b

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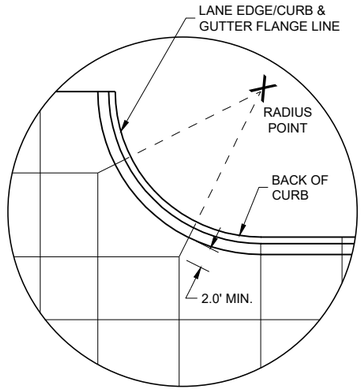
S.D.D. 13 C 16-2b



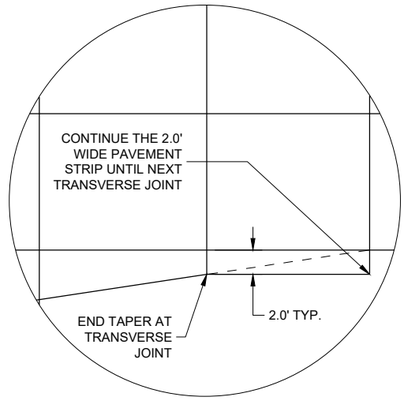
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

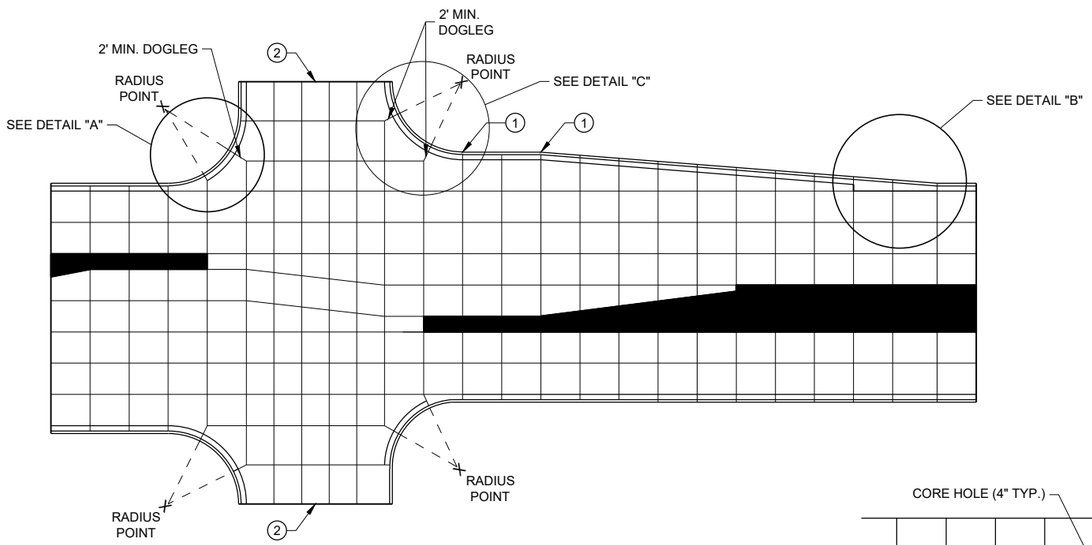
AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.

(2) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.

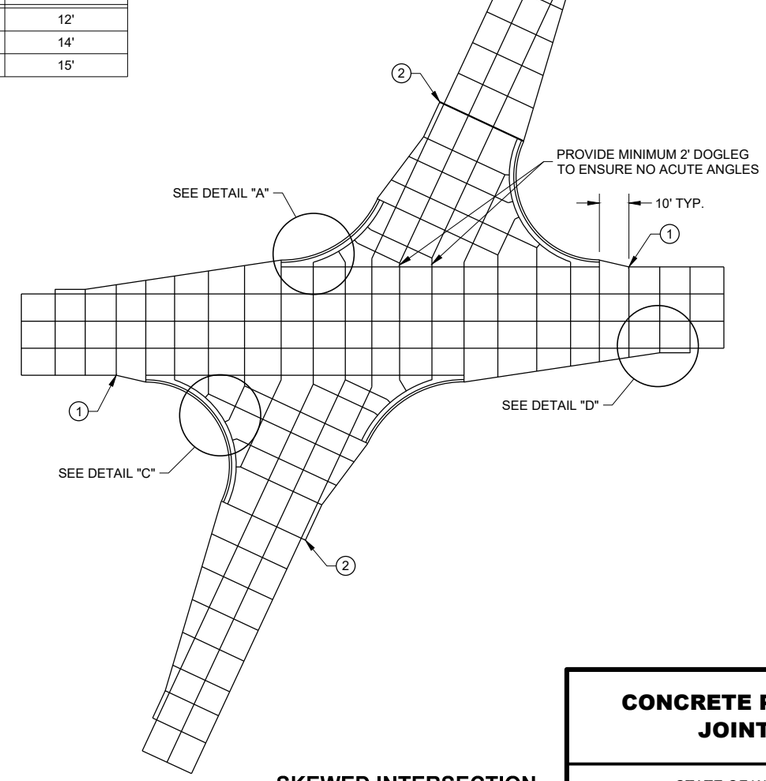
(3) THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



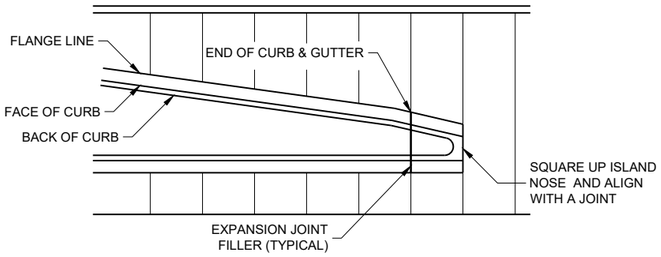
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

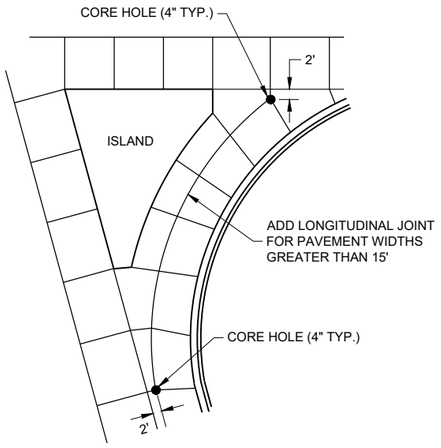
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

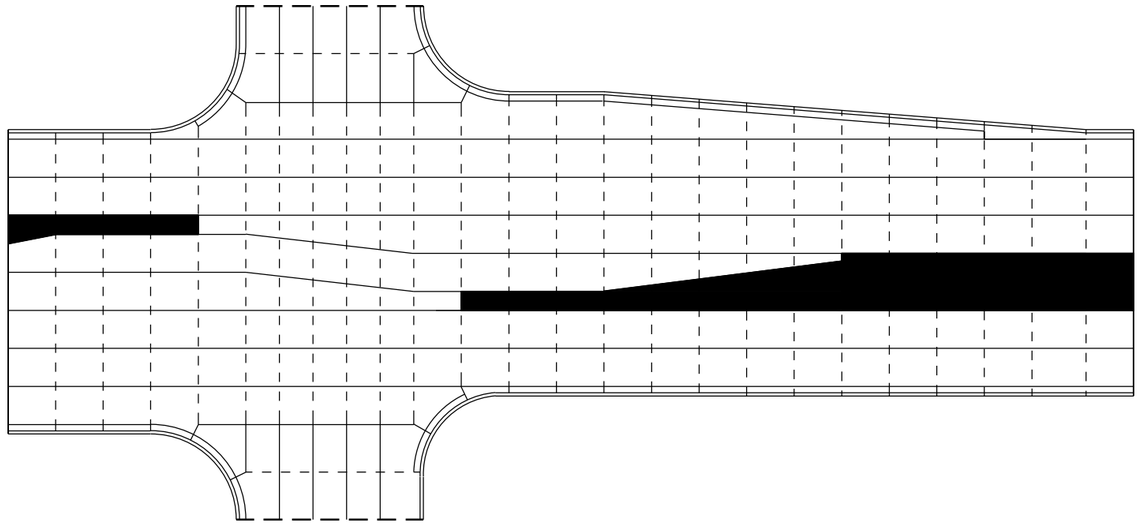
6
SDD 13C18 - 08a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

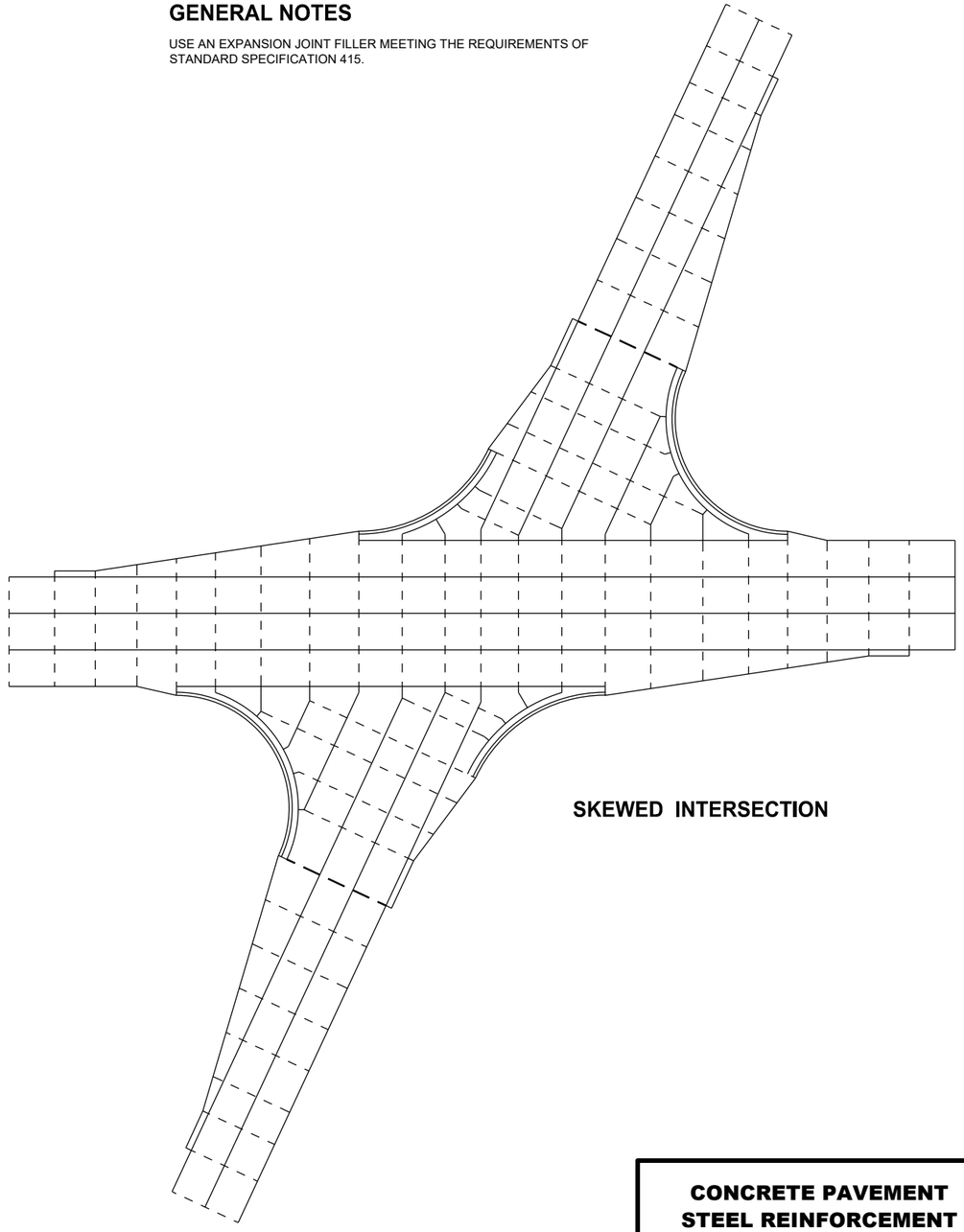
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

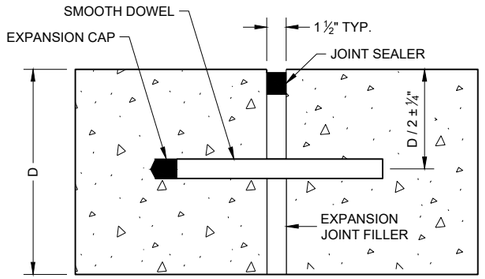
SDD 13C18 - 08b

CONCRETE PAVEMENT STEEL REINFORCEMENT

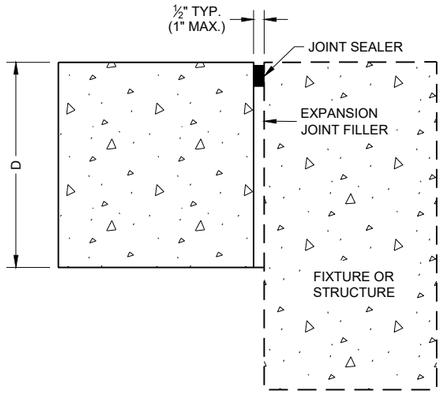
STATE OF WISCONSIN
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SDD 13C18 - 08b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

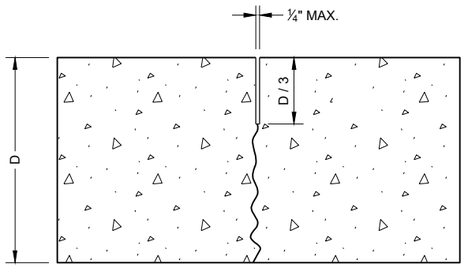
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

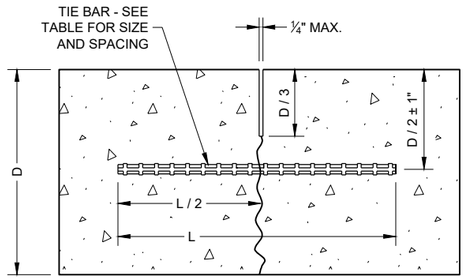
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

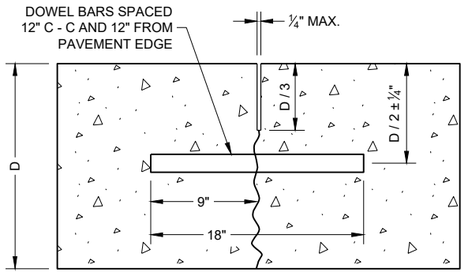
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

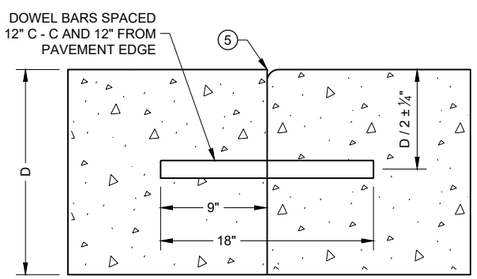


TIED LONGITUDINAL

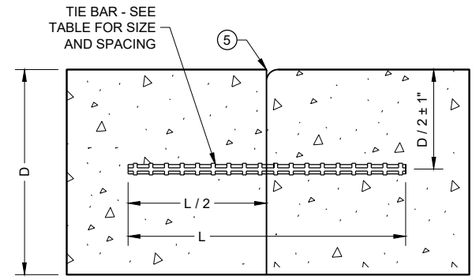


DOWELED TRANSVERSE

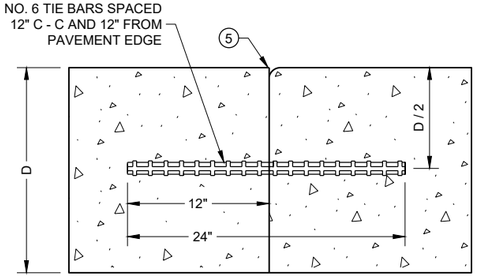
CONTRACTION JOINTS (2)



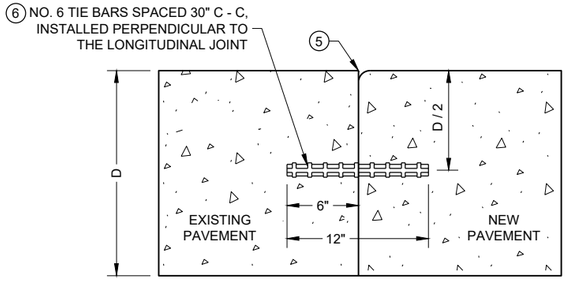
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

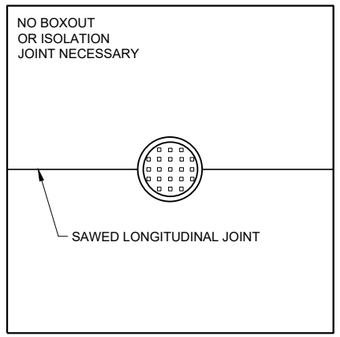
CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

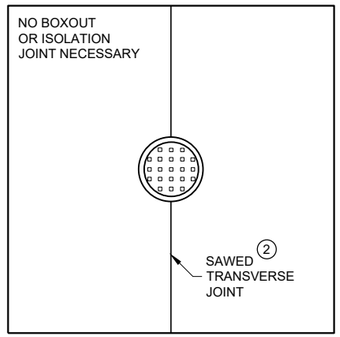
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

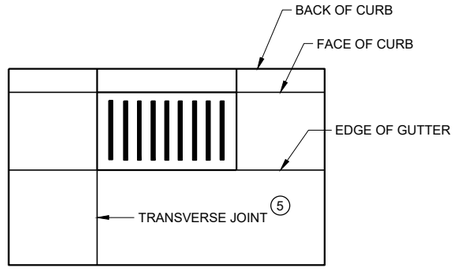
SDD 13C18 - 08c



MANHOLE WITH LONGITUDINAL JOINT



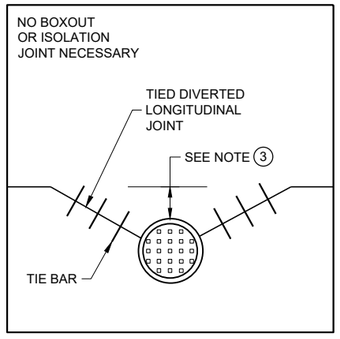
MANHOLE WITH TRANSVERSE JOINT



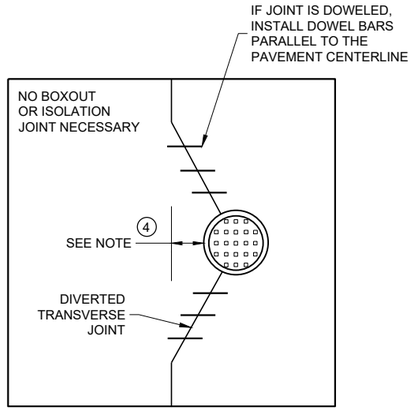
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

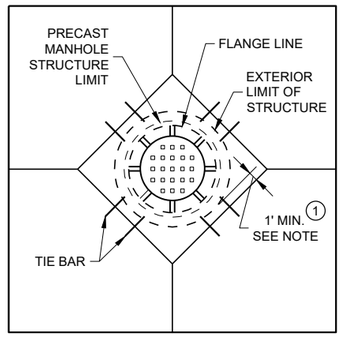
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

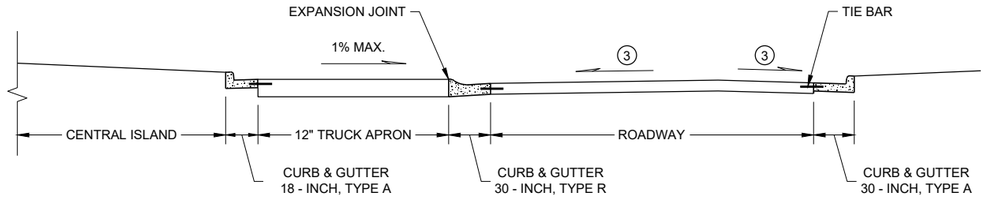
APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVISO

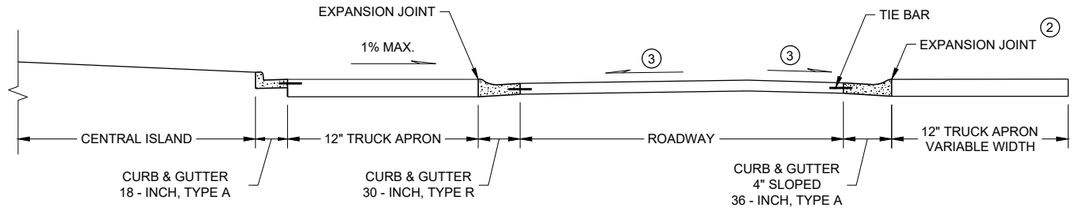
FHWA

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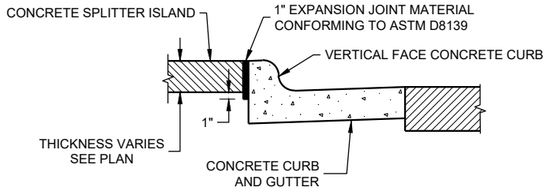
SDD 13C18 - 08d



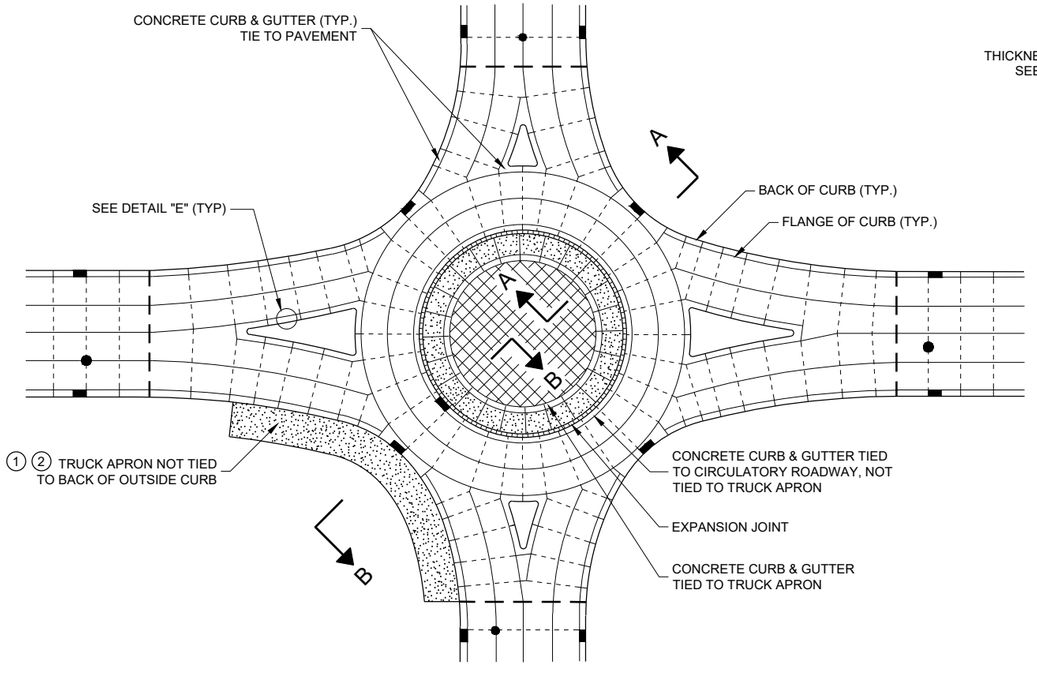
SECTION A - A



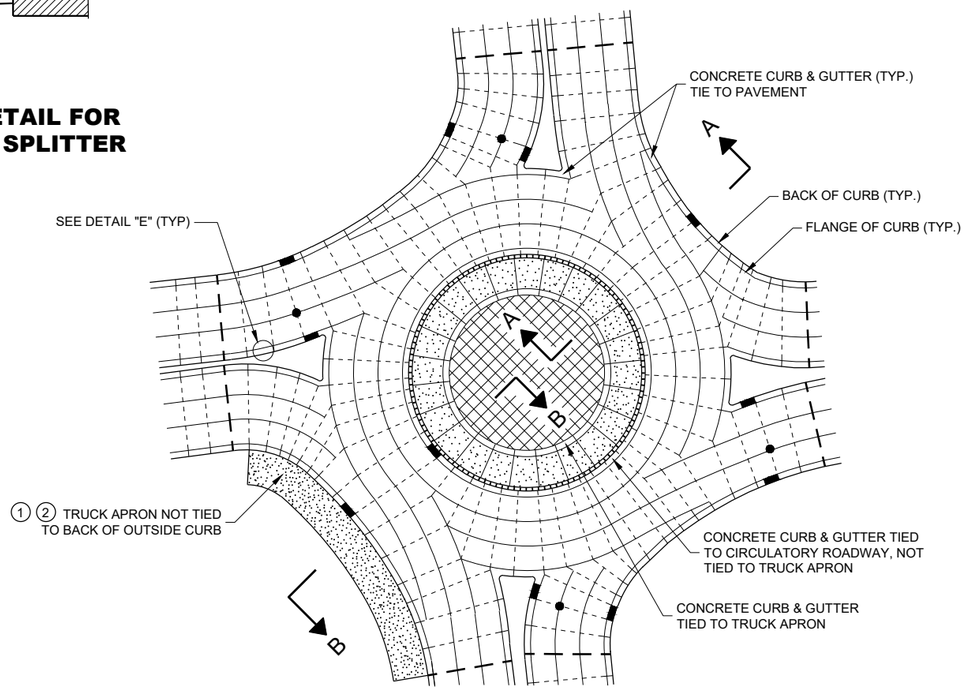
SECTION B - B



DETAIL 'E'
EXPANSION JOINT DETAIL FOR VERTICAL CURB AT A SPLITTER ISLAND



ISOLATED CIRCLE JOINT LAYOUT FOR ROUNDABOUTS



PINWHEEL JOINT LAYOUT FOR ROUNDABOUTS

GENERAL NOTES

MAXIMUM JOINT SPACING IS IN ACCORDANCE WITH THE TABLE SHOWN ON SDD 13C18 - SHEET "a"

USE EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.

DO NOT DOWEL OR TIE THE TRUCK APRON TRANSVERSE JOINTS.

(1) DESIGNER DETERMINES SIZE AND LOCATION(S) OF TRUCK APRON TO ACCOMMODATE TRACKING OF OVERSIZE / OVERWEIGHT VEHICLES.

(2) TIE THE OUTSIDE TRUCK APRON TO THE BACK SIDE OF CURB ONLY WHEN ENTIRE TRUCK APRON IS LESS THAN 3 FEET.

(3) CONFORM TO PLAN CONSTRUCTION DETAILS FOR CIRCULATORY ROADWAY CROSS SLOPE.

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT
- TRUCK APRON
- CENTRAL ISLAND
- UTILITY STRUCTURES

CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Peter Kemp P.E.
PAVEMENT SUPERVISO

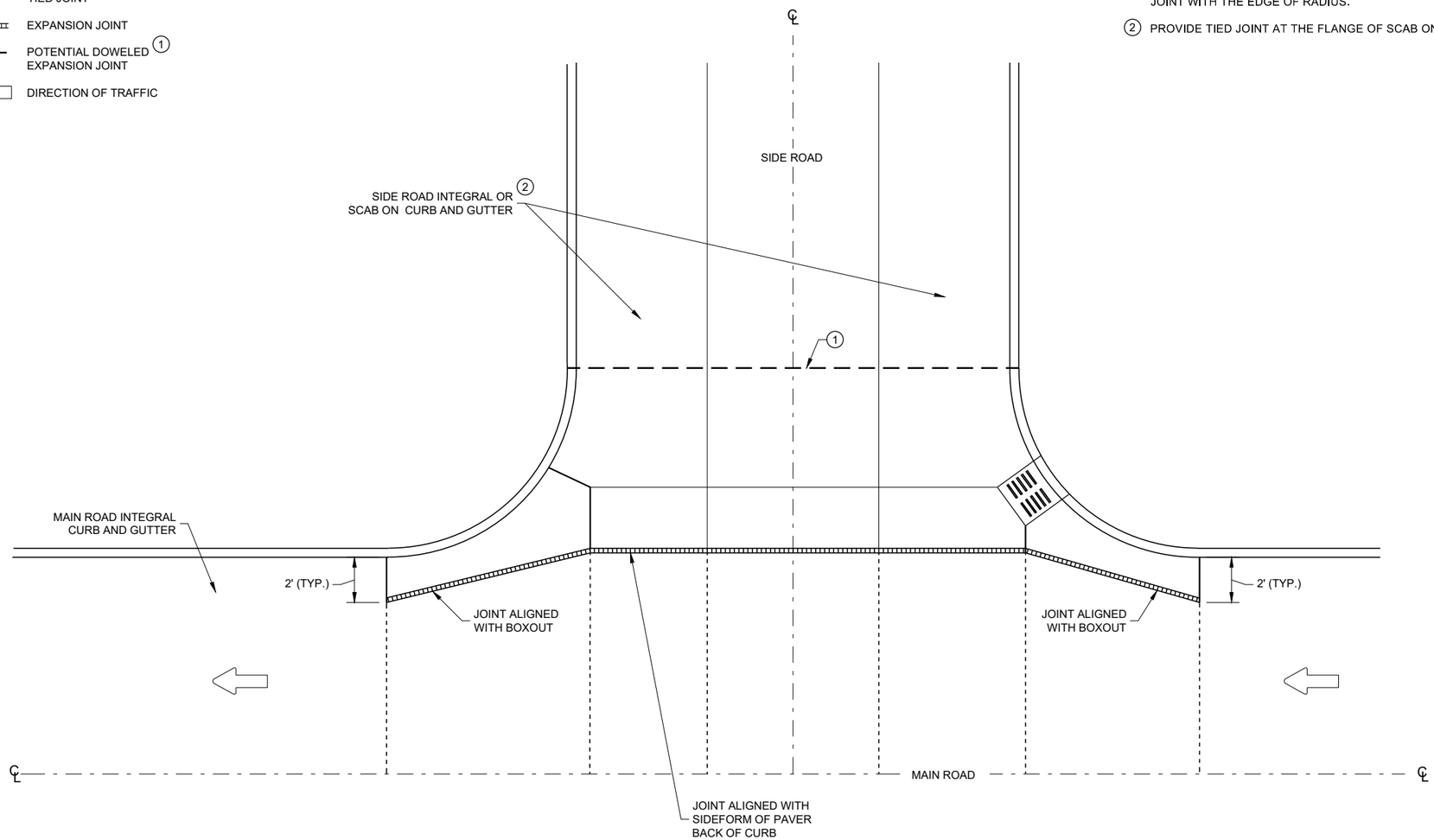
FHWA

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SDD 13C18 - 08e

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT (1)
- DIRECTION OF TRAFFIC



GENERAL NOTES

(1) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH THE EDGE OF RADIUS.

(2) PROVIDE TIED JOINT AT THE FLANGE OF SCAB ON CURB IF SCAB ON CURB AND GUTTER IS USE.

INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

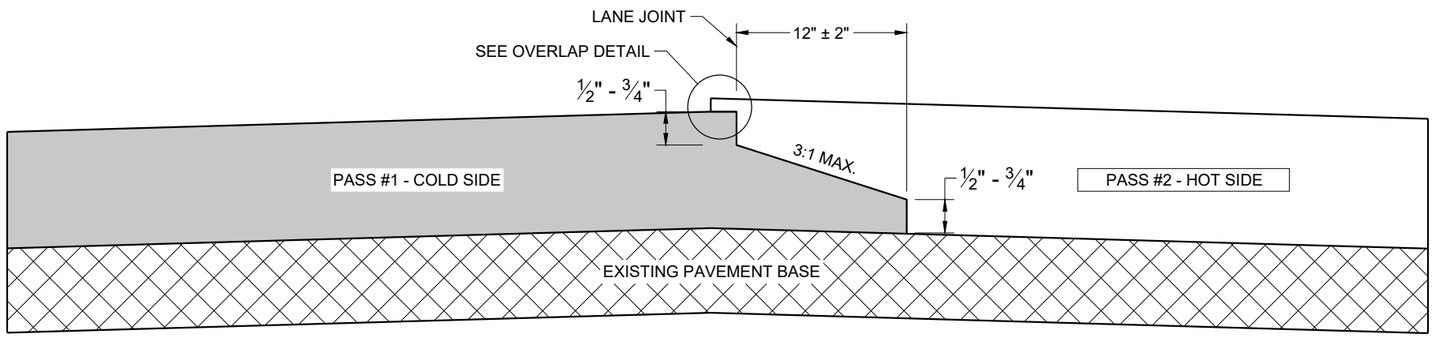
FHWA

6

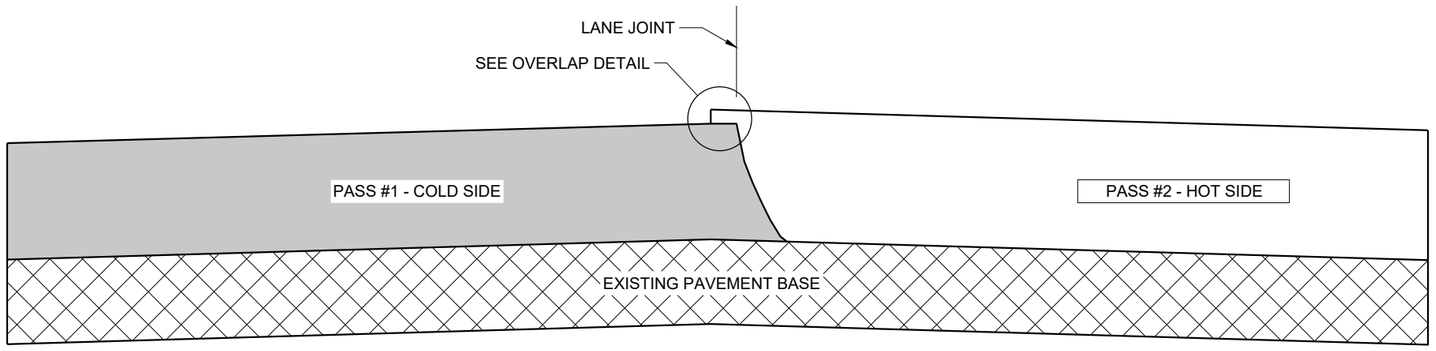
SDD 13C18 - 08f

6

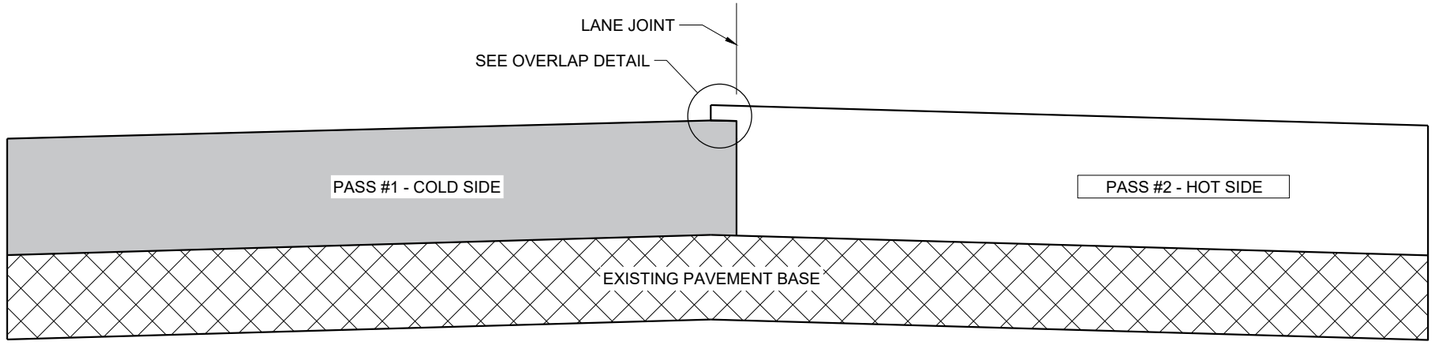
SDD 13C18 - 08f



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

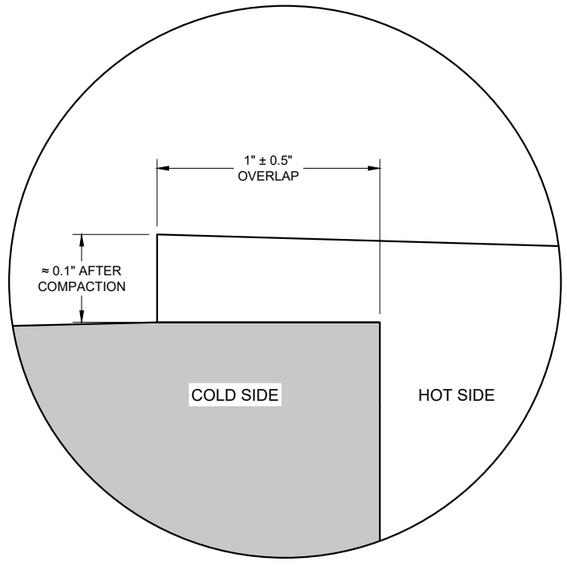
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

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SDD 13C19 - 03

SDD 13C19 - 03

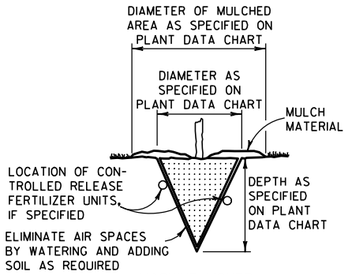
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

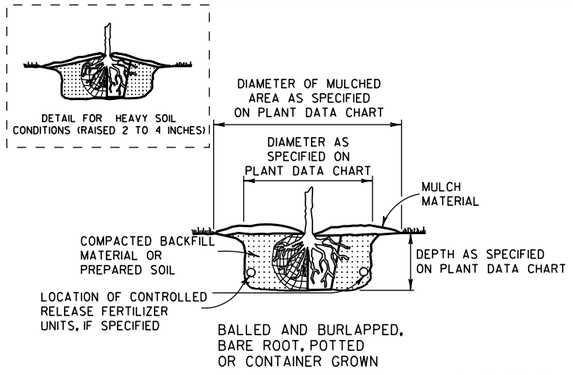
APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

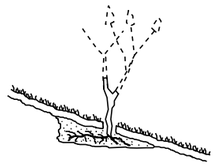
FHWA



MACHINE MOVED

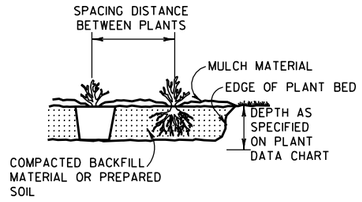


BALLED AND BURLAPPED, BARE ROOT, POTTED OR CONTAINER GROWN



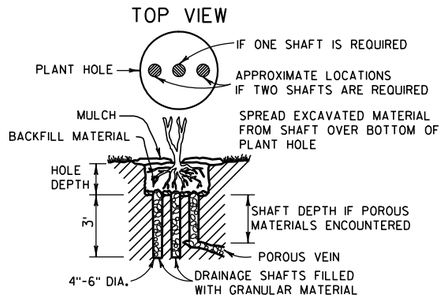
ACCOMMODATE ROOTS (SMOOTH AND STAGHORN SUMAC)

NOTE:
1) ENGINEER SHALL REQUIRE 3 SLITS IN POT TO SPEED DETERIORATION
2) METAL, PLASTIC OR OTHER NONDEGRADABLE POTS SHALL BE REMOVED PRIOR TO PLANTING



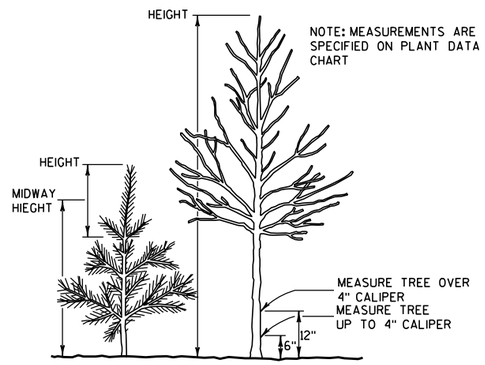
PREPARED BED (BARE ROOT AND POTTED)

PLANTING

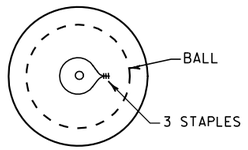


NOTE:
DRAINAGE SHAFT AS SPECIFIED ON PLANT DATA CHART

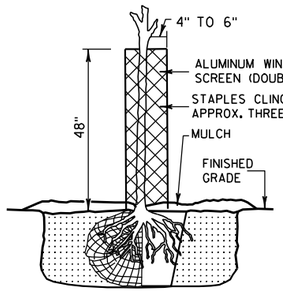
DRAINING



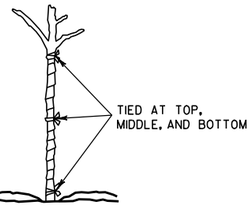
MEASURING



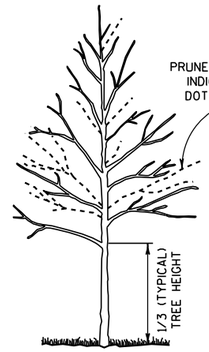
TOP VIEW



RODENT PROTECTION



WRAPPING



TALL DECIDUOUS TREES (ASH, MAPLE, LINDEN, OAK)

SINGLE STEMMED LOW DECIDUOUS TREES (CRABS AND OTHER SINGLE STEM TYPE)

MULTI-STEMMED LOW DECIDUOUS TREES OR LARGE SHRUBS (HAWTHORN, SERVICEBERRY)

NOTE: WHEN PRUNING, PRESERVE CHARACTER AND SHAPE OF TREE. AVOID LEAVING STUBS - REMOVE BRANCH OR TWIG BACK TO THE NEAREST CROTCH
1) PRUNE TO REMOVE DEAD AND BROKEN BRANCHES
2) PRUNE TO REMOVE BRANCHES THAT TOUCH OR ARE TOO CLOSE TO OTHER BRANCHES

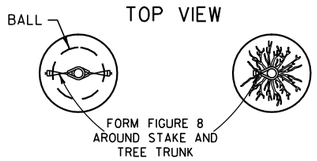


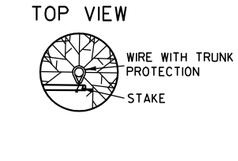
SHRUBS (GRAY DOGWOOD ARROWWOOD VIBURNUM)

SUMAC

TREE TYPE EVERGREENS (PINE, SPRUCE, FIR) EVERGREENS USUALLY ARE NOT PRUNED

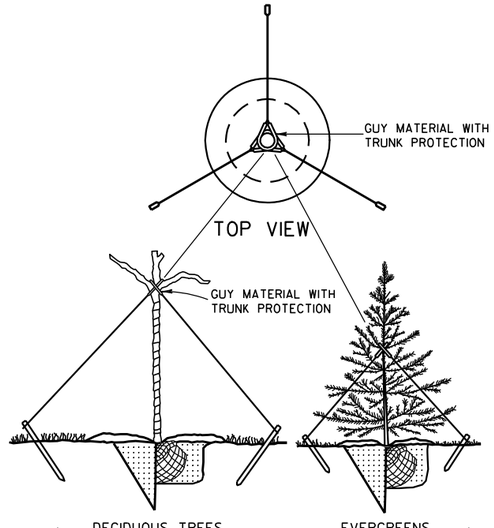
PRUNING



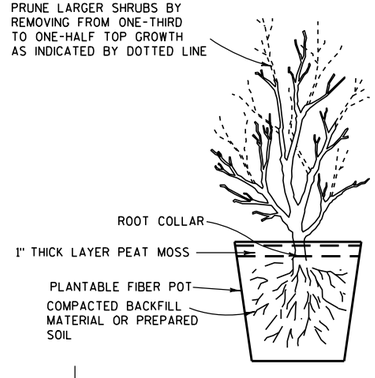


NOTE: BRACING STAKE
1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES.
2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT.
3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE; AND
4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE IN PLACE.

BRACING



GUYING



POTTING

NOTES

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

BRACING, WRAPPING, GUYING, RODENT PROTECTION, FERTILIZER AND MULCH SHALL BE USED ONLY WHEN SPECIFIED ON THE PLANT DATA CHART (PART OF PLAN) OR SPECIAL PROVISIONS.

TREE PLANTING DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/11/94 — DATE
/S/ Rory L. Rhinesmith — CHIEF METHODS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 14 A 2-1

(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.

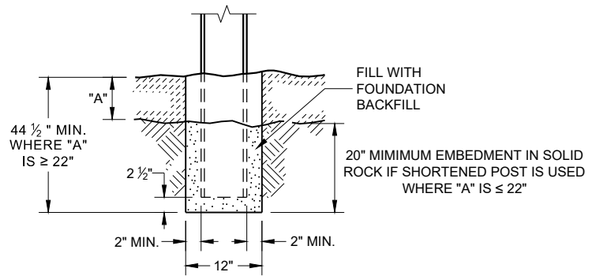
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL 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).

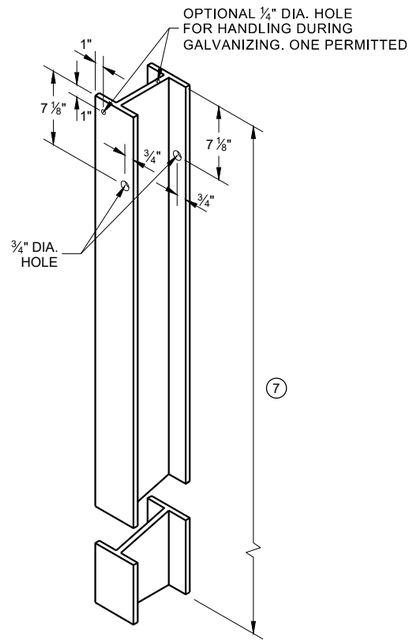
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(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.

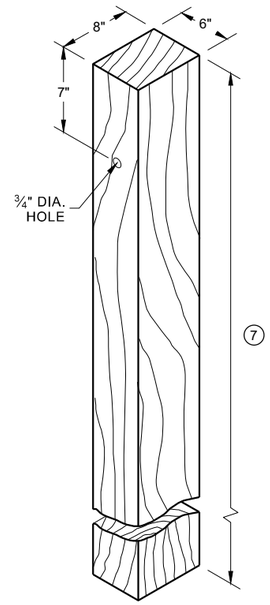
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



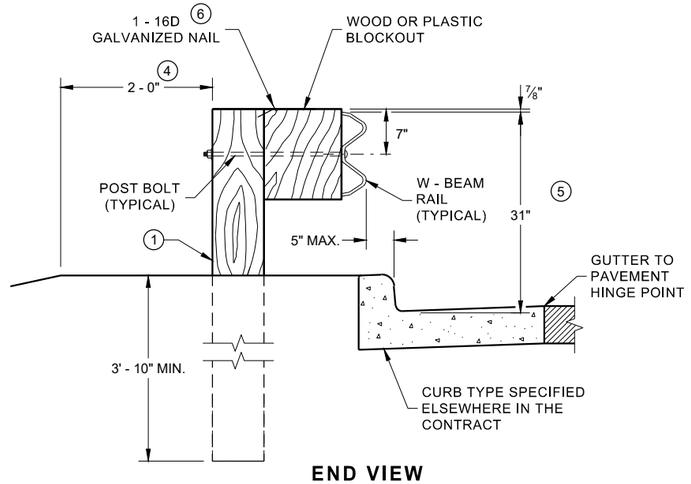
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



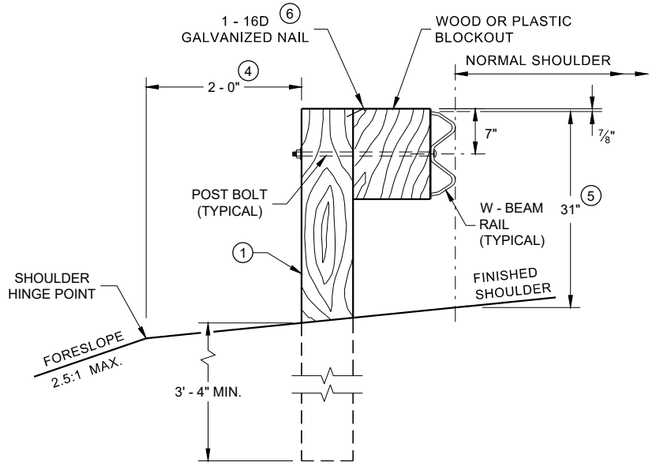
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



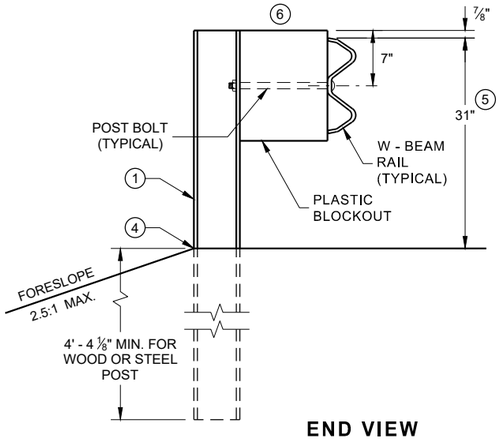
WOOD POST (6" X 8") NOMINAL (1)



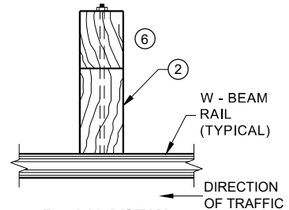
END VIEW
LOCATED ALONG A CURBED ROADWAY



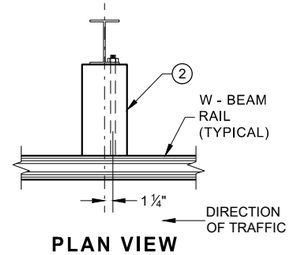
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



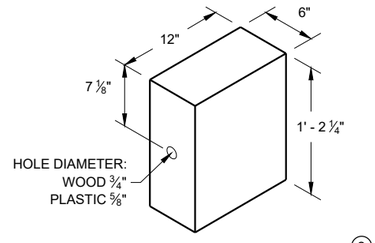
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

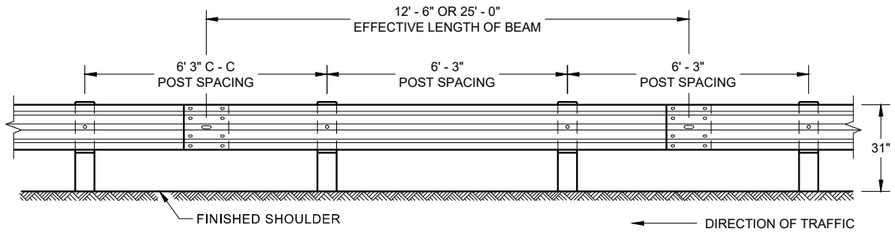
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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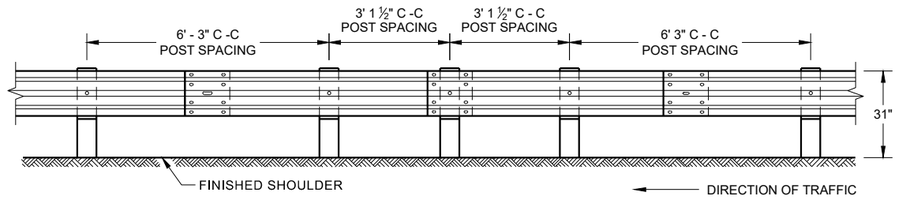
SDD 14B42 - 07a

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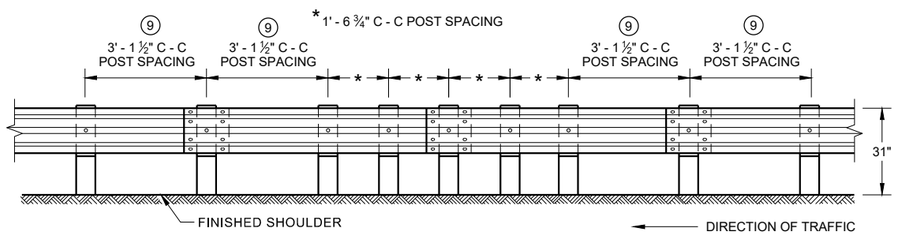
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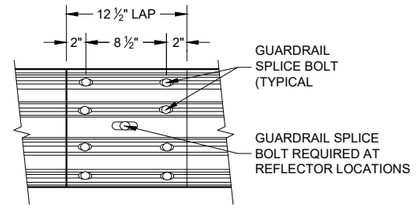
FRONT VIEW
POST SPACING STANDARD INSTALLATION



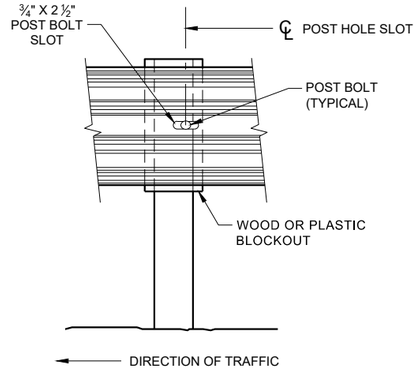
FRONT VIEW
HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)



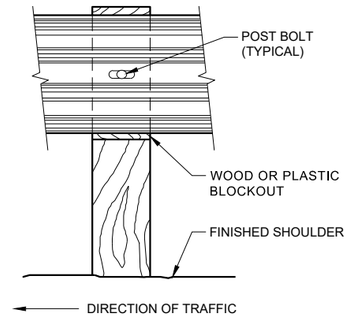
FRONT VIEW
QUARTER POST SPACING (QS)



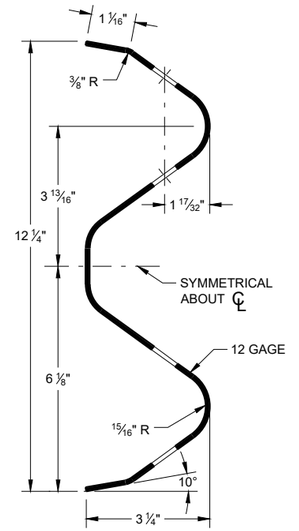
FRONT VIEW
MID-SPAN BEAM SPLICE



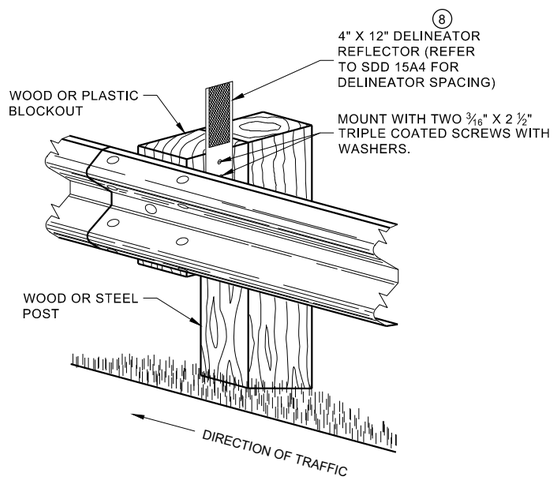
FRONT VIEW AT STEEL POST



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.

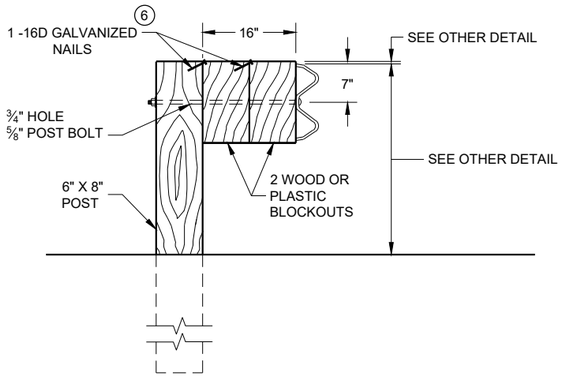
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B42 - 07b

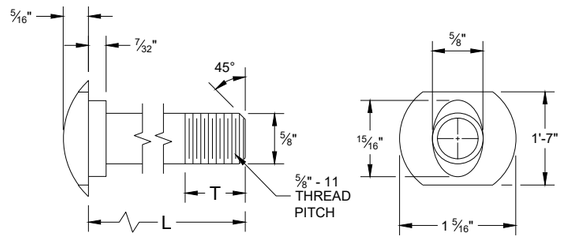


DETAIL FOR 16" BLOCKOUT DEPTH

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.

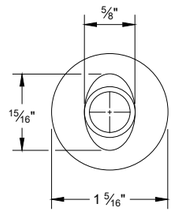
NOTE:

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.

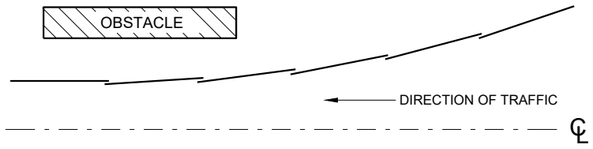


POST BOLT TABLE

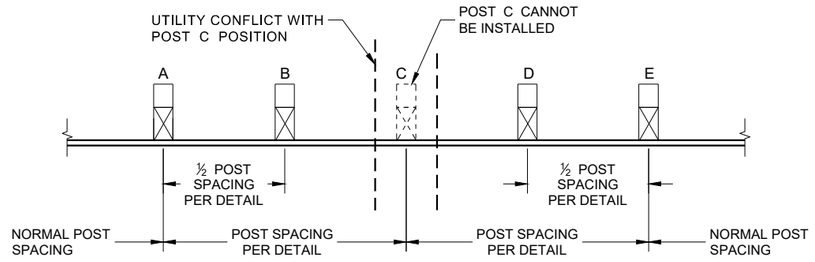
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1⁄16"
18"	4"
21"	4 1⁄16"
25"	4"



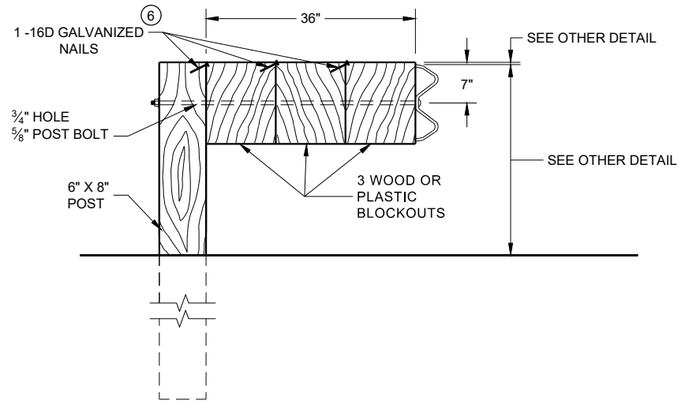
ALTERNATE BOLT HEAD



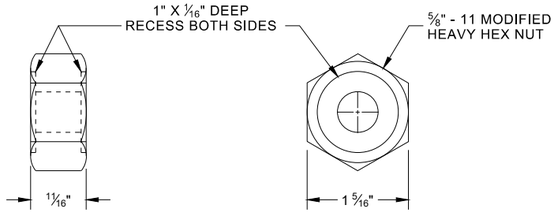
PLAN VIEW
BEAM LAPPING DETAIL



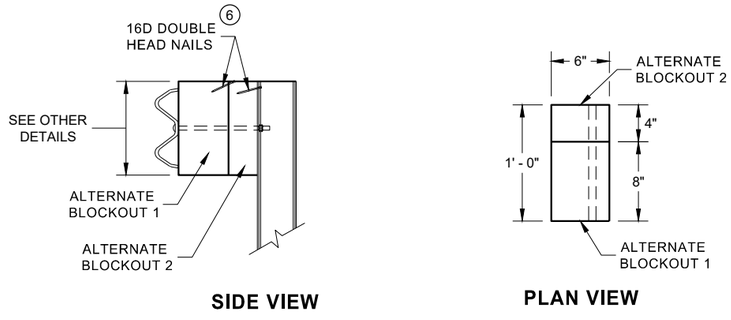
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



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.

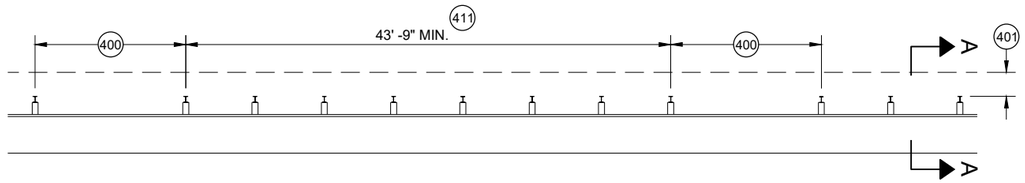
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

(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.

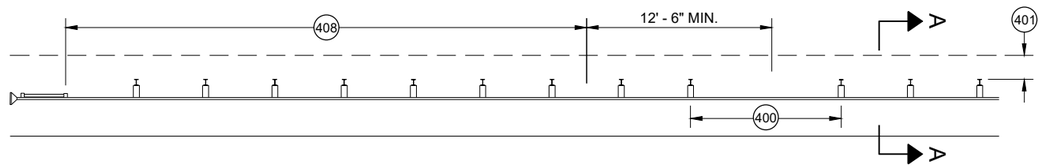
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MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

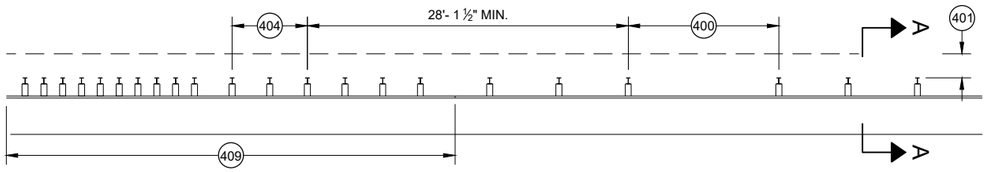
SDD 14B42 - 07c



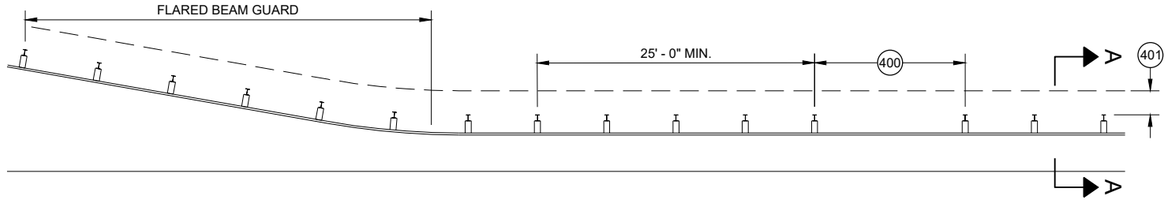
MISSING POST IN MGS GUARDRAIL



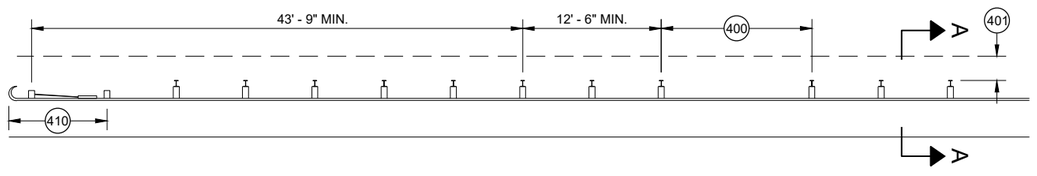
MISSING POST IN MGS GUARDRAIL NEAR EAT



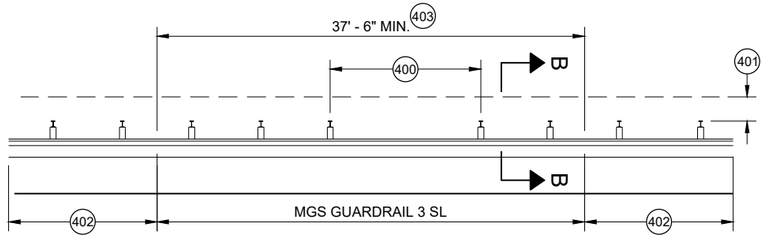
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

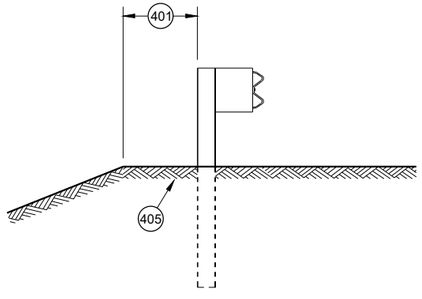


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

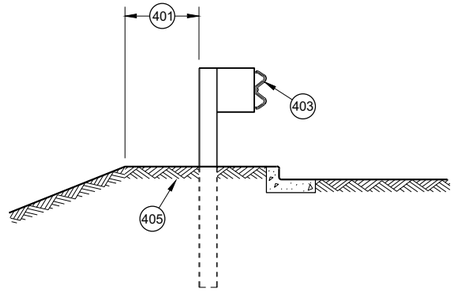


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

(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

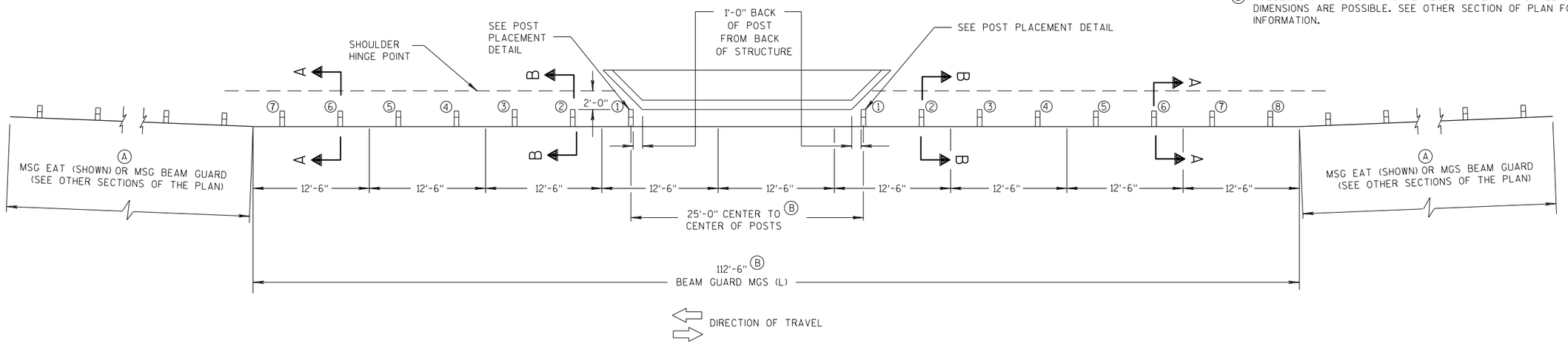
GENERAL NOTES

POSTS 1 THROUGH 3 ARE CRT POSTS.
ALL OTHER POSTS SHALL BE WOOD OR STEEL.

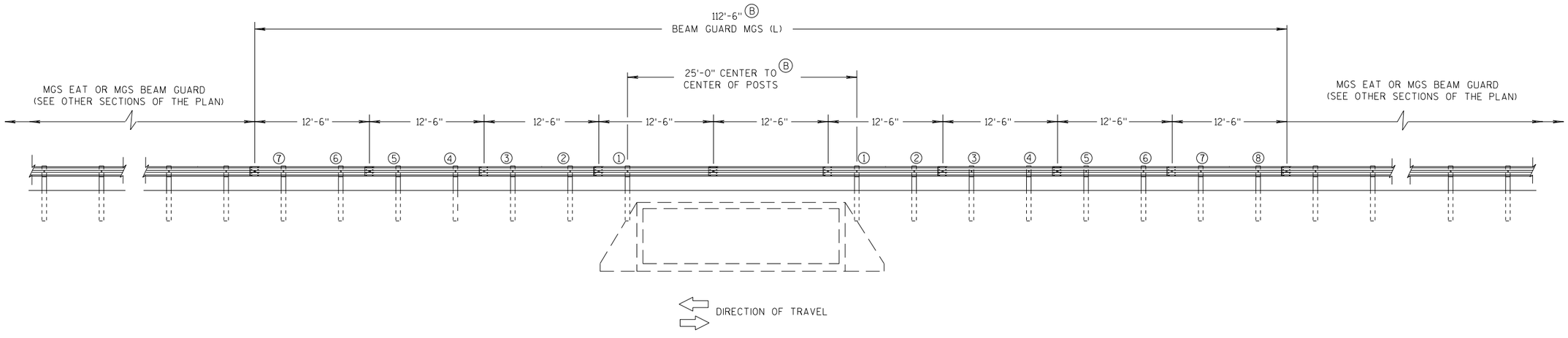
SEE SDD 14 B 42 FOR MORE DETAILS.

(A) FLARE FOR MGS EAT SHOWN. IF INSTALLING MGS NO FLARE NEEDED.

(B) VALUES SHOWN ON DRAWING REPRESENT THE MAXIMUM LENGTH. SHORTER DIMENSIONS ARE POSSIBLE. SEE OTHER SECTION OF PLAN FOR MORE INFORMATION.



PLAN VIEW



ELEVATION VIEW

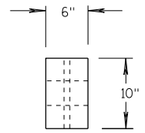
MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) TWO-WAY TRAFFIC

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)

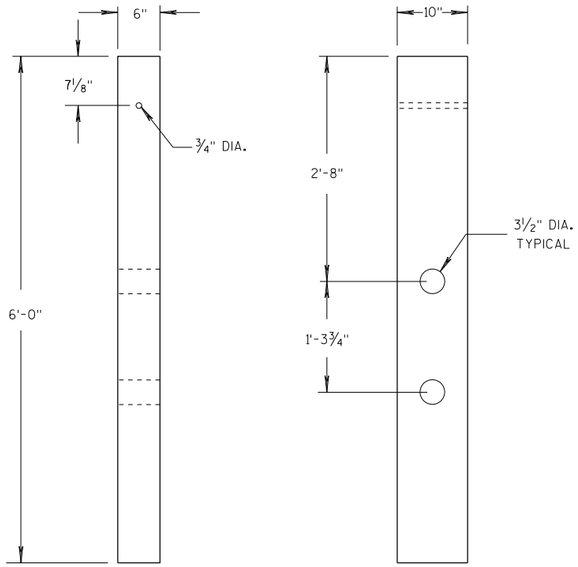
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 14 B 43-4a

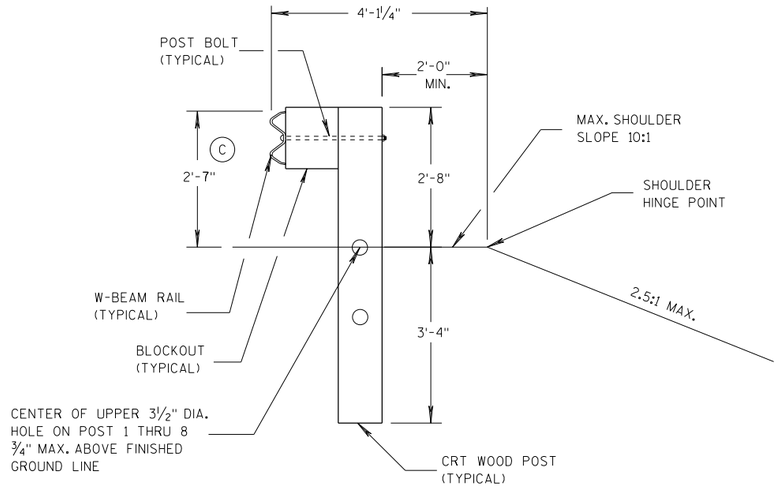


PLAN VIEW



FRONT VIEW SIDE VIEW

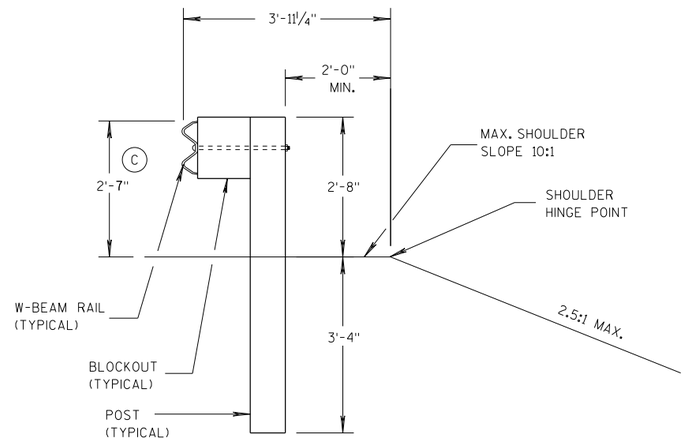
CRT WOOD POST



SECTION B-B

POSTS NO. 1-3

SEE OTHER DETAILS



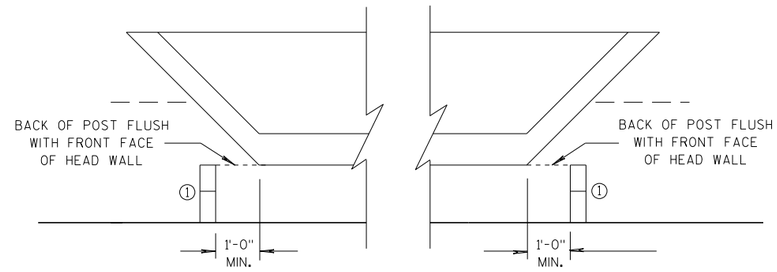
SECTION A-A

POSTS NO. 4-8

SEE OTHER DETAILS

GENERAL NOTES

(C) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".



POST PLACEMENT DETAIL

MIDWEST GUARDRAIL SYSTEM
LONG SPAN MGS (L)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DIRECTOR
ENGINEER

FHWA

273 NT

6

S.D.D. 14 B 43-4c

6

S.D.D. 14 B 43-4c

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.

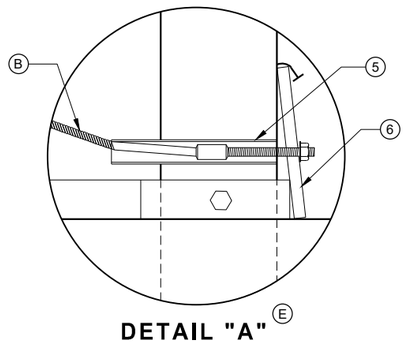
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

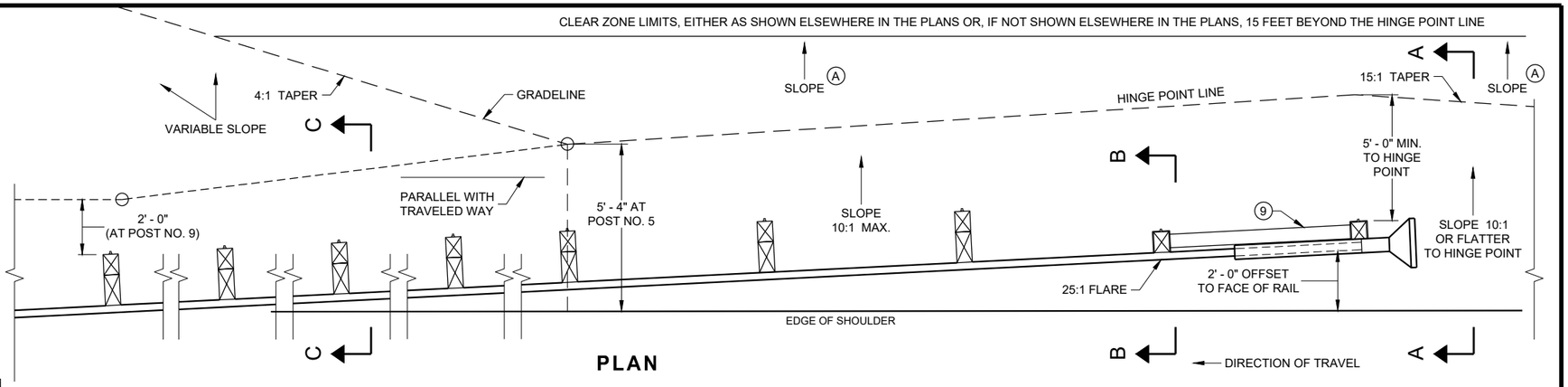
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

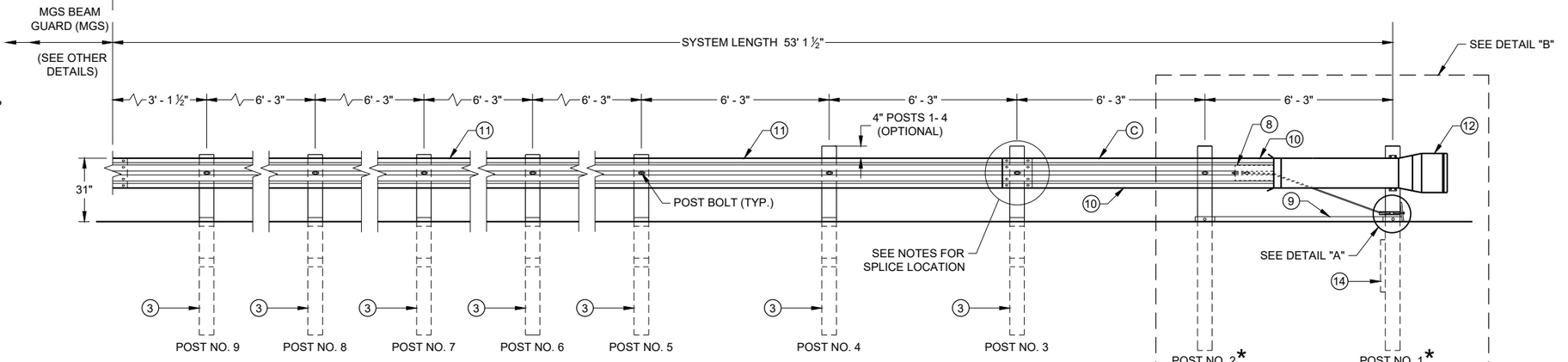
SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

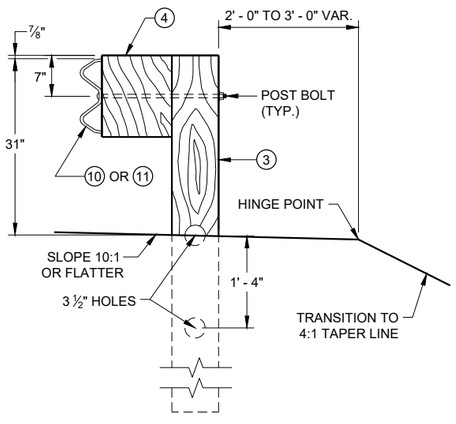
THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.



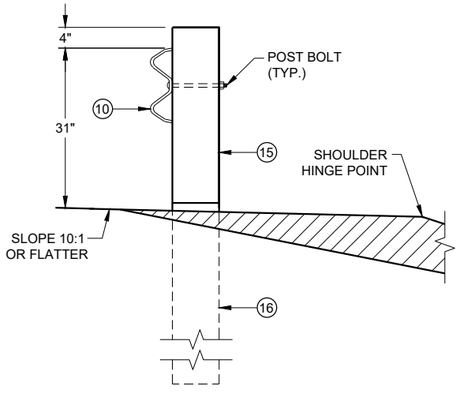
DETAIL "A" (E)



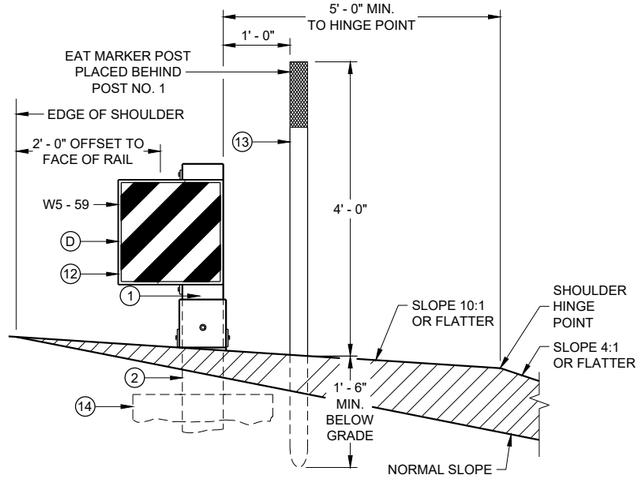




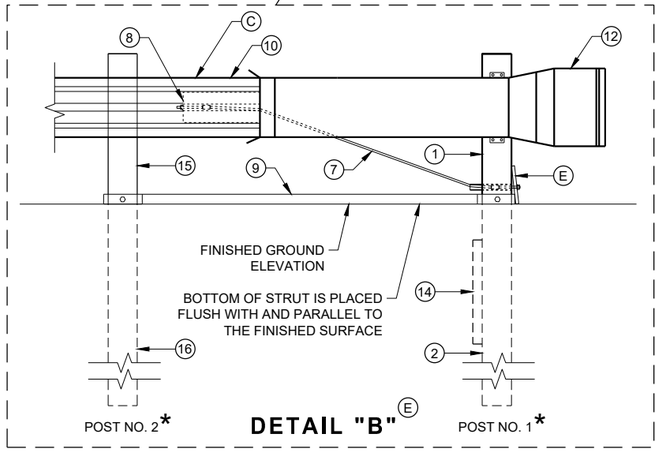
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*

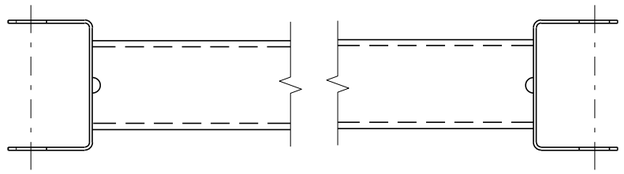


MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

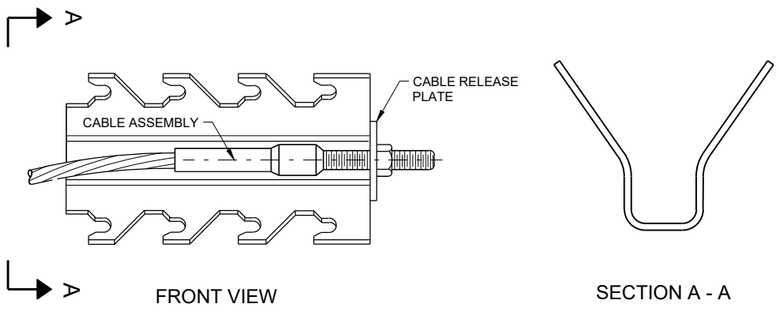
SDD 14B44 - 04a



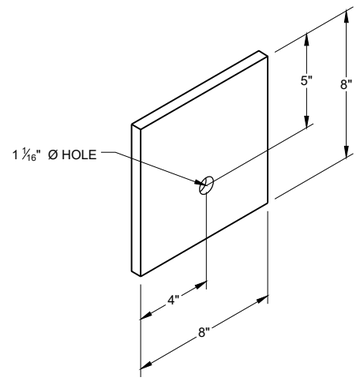
GENERIC GROUND STRUT (9) (E)

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 (9) (E)



BEARING PLATE (6) (E)

6

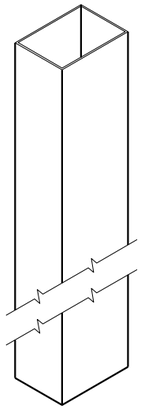
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SDD 14B44 - 04b

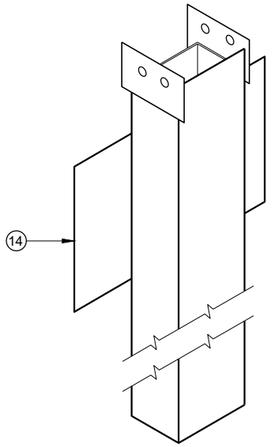
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

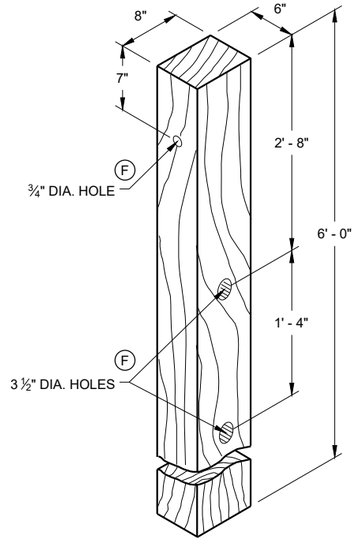
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



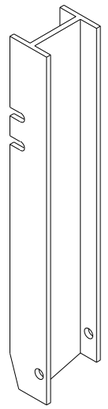
UPPER POST NO. 1 (1) (E)



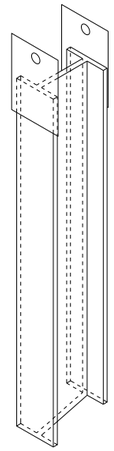
LOWER POST NO. 1 (2) (E)



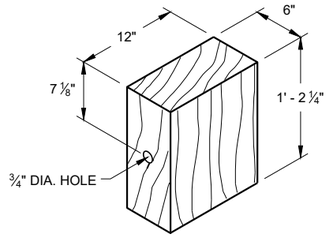
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



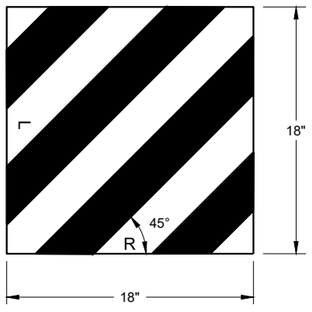
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

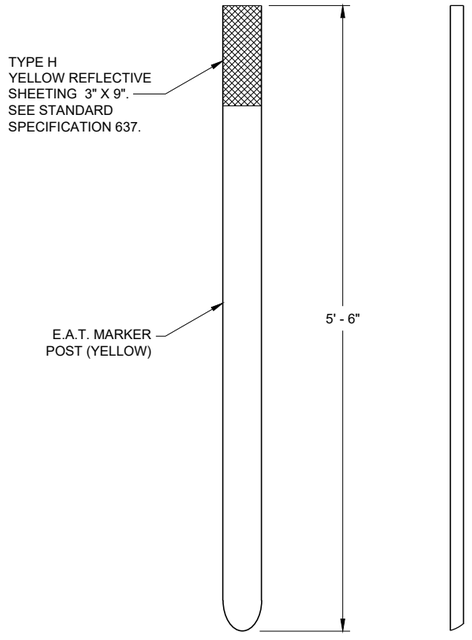


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



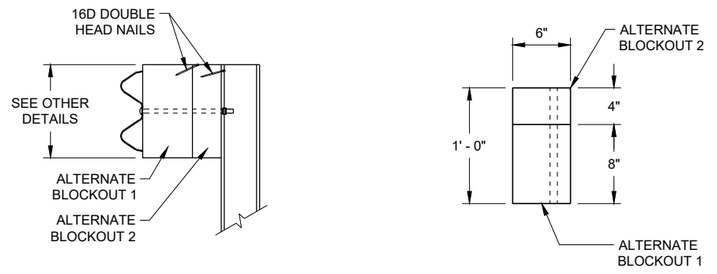
W5 - 59

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)

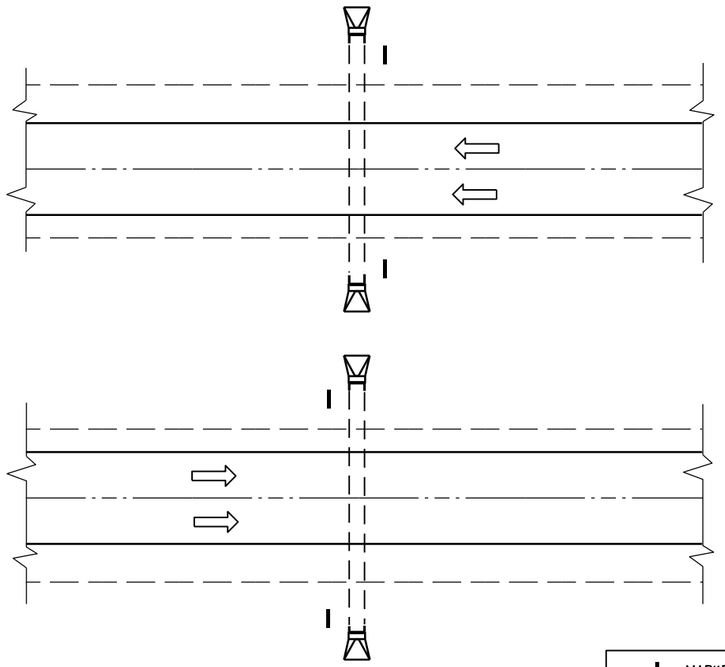
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

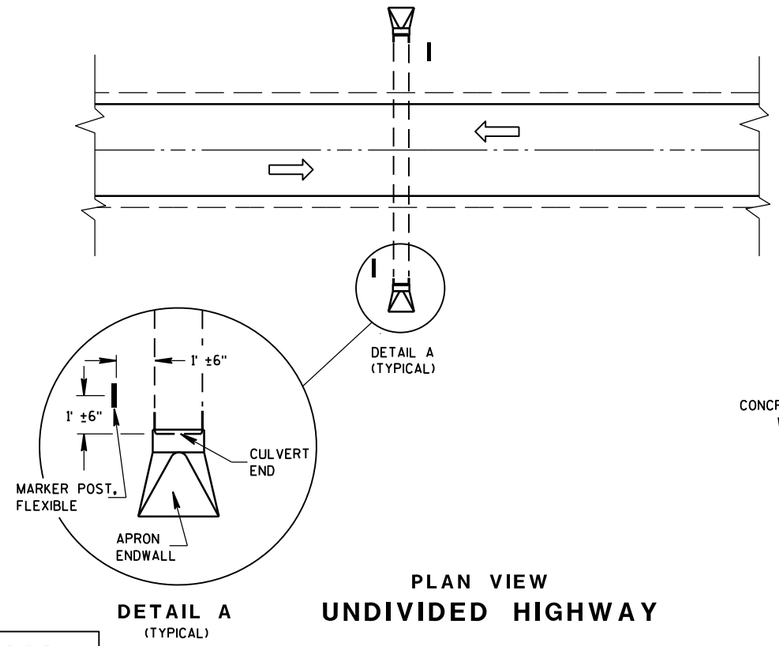
6

SDD 14B44 - 04c



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

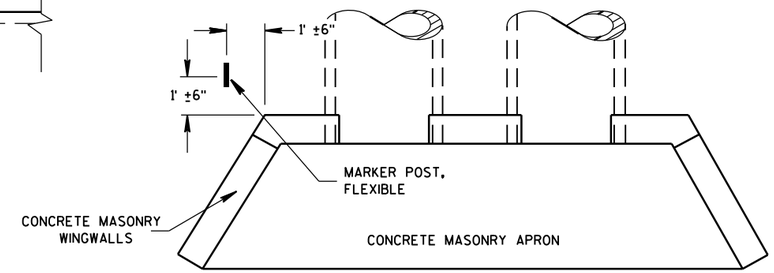
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

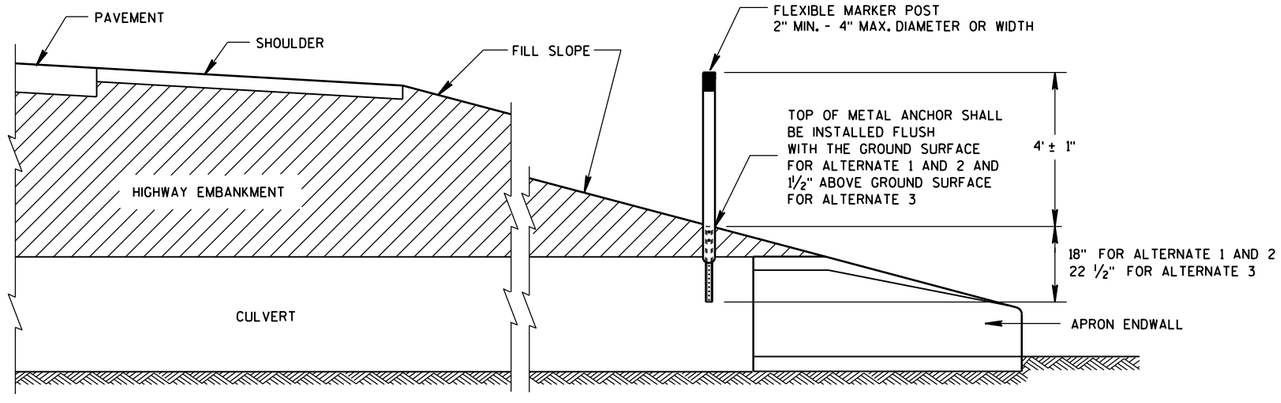
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST
FOR CULVERT END

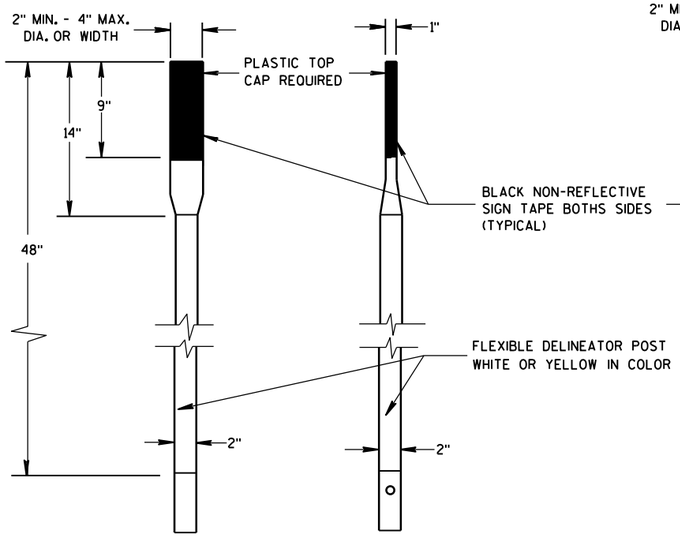
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

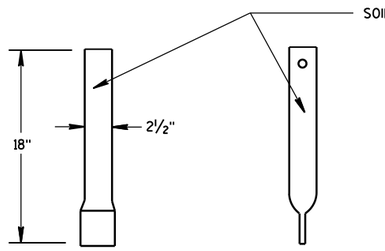
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S.D.D. 15 A 3-2a

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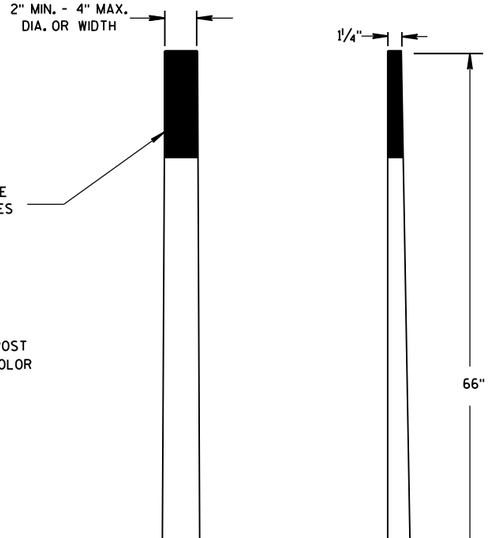
S.D.D. 15 A 3-2a





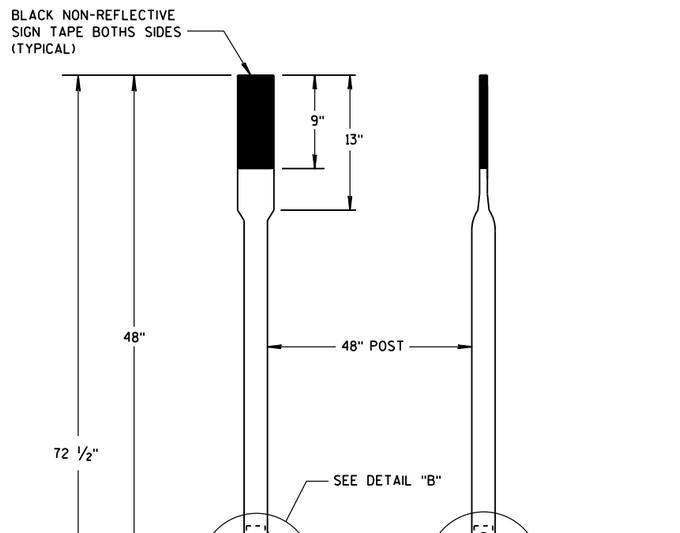
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

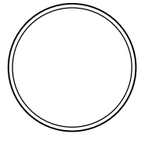
ALTERNATE 2



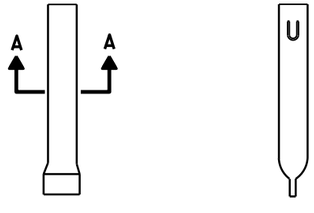
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS

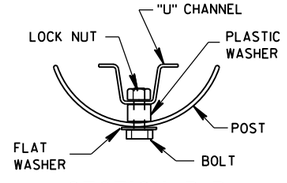


SECTION A-A

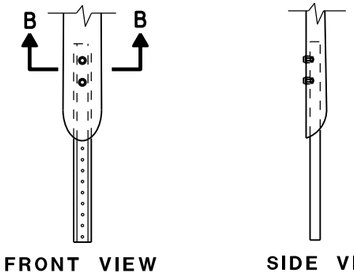


FRONT VIEW SIDE VIEW

ALTERNATE 1

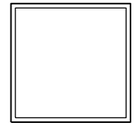


SECTION B-B

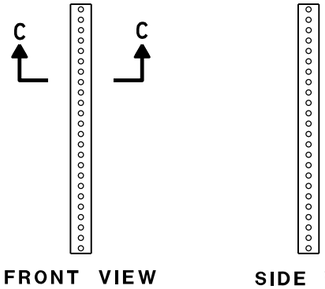


FRONT VIEW SIDE VIEW

ALTERNATE 2



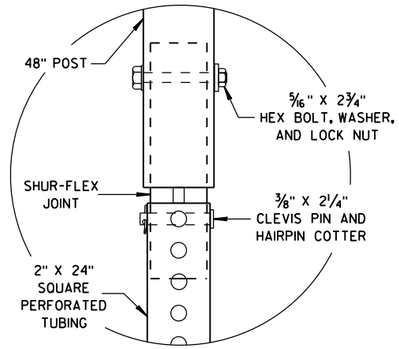
SECTION C-C



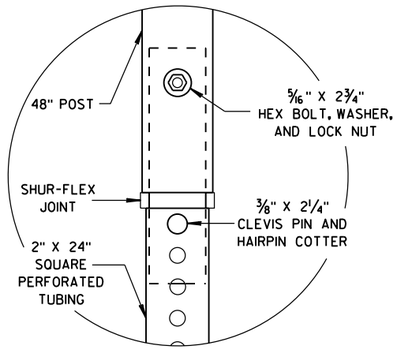
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

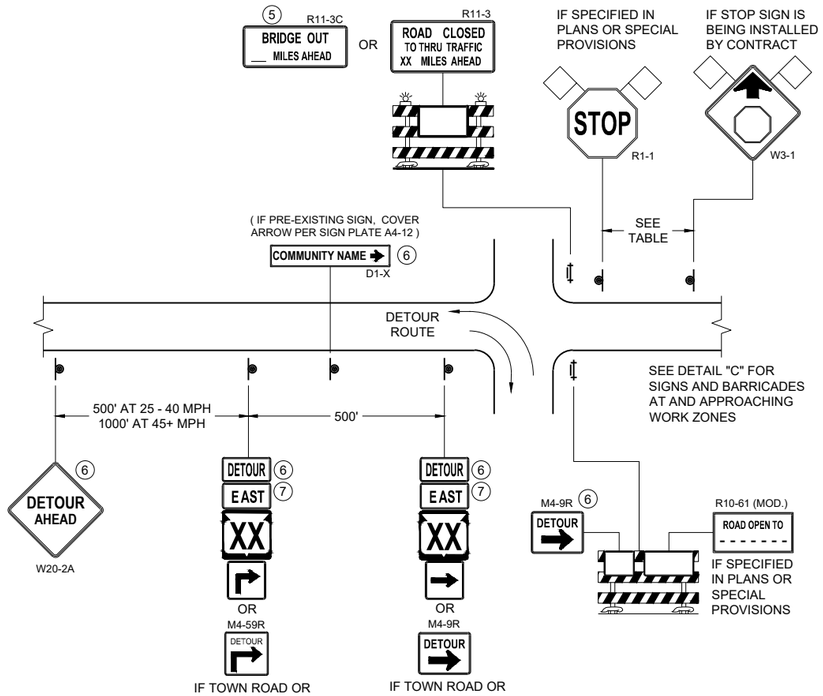
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
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IGN
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S.D.D. 15 A 3-2b

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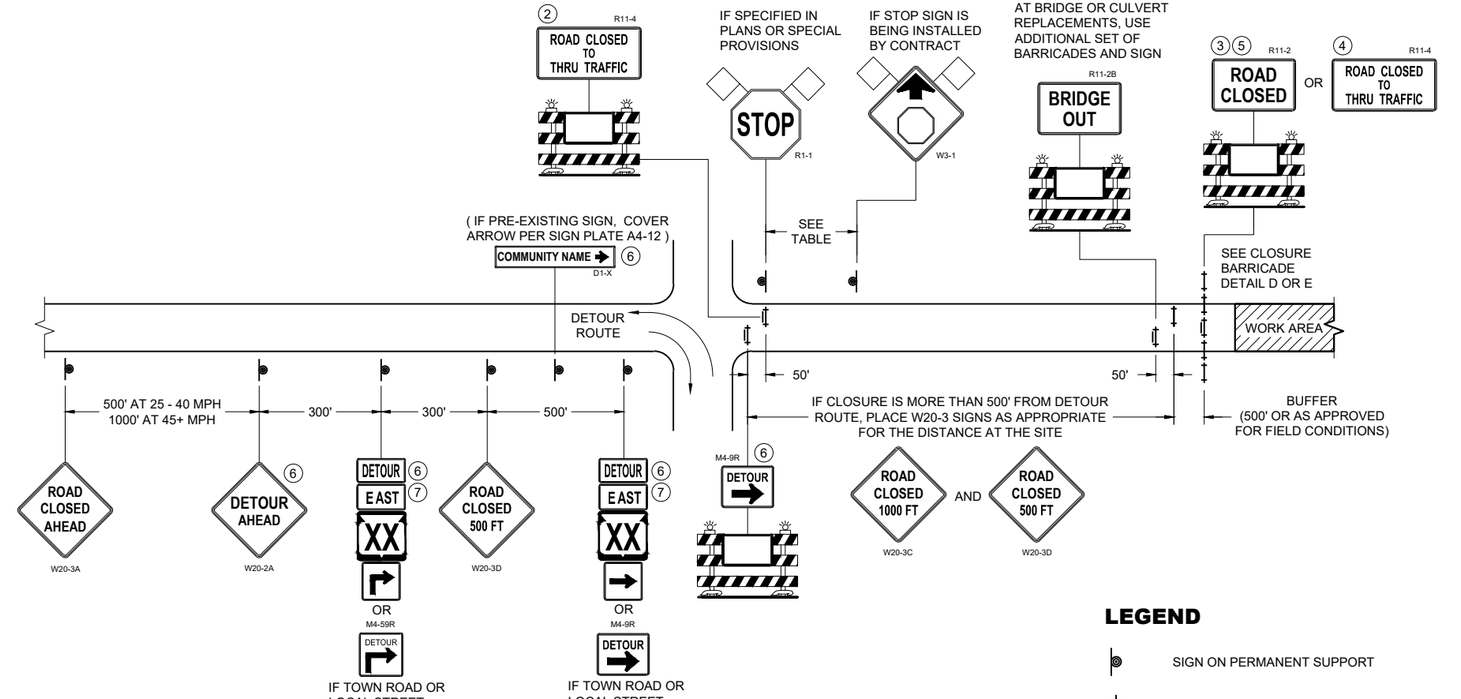
S.D.D. 15 A 3-2b



DETAIL A

MAINLINE CLOSURE WITH POSTED DETOUR

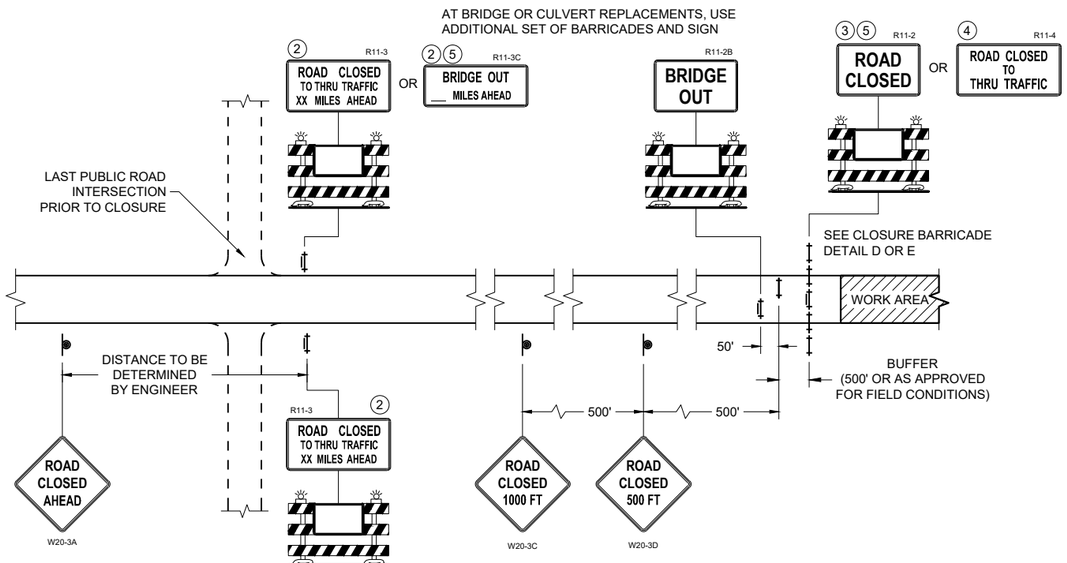
WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B

MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C

MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b" FOR GENERAL NOTES AND FOOTNOTES (1) THROUGH (7)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

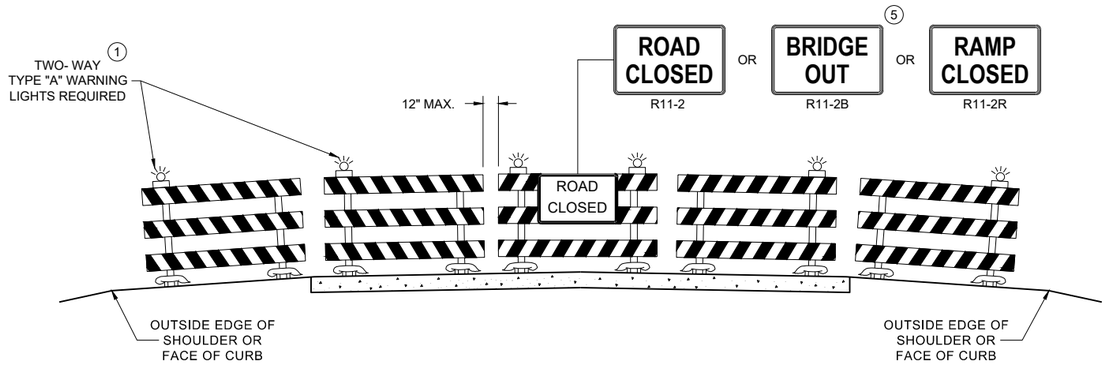
DETOUR M4 - 8
EAST M3 - X
XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A
M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

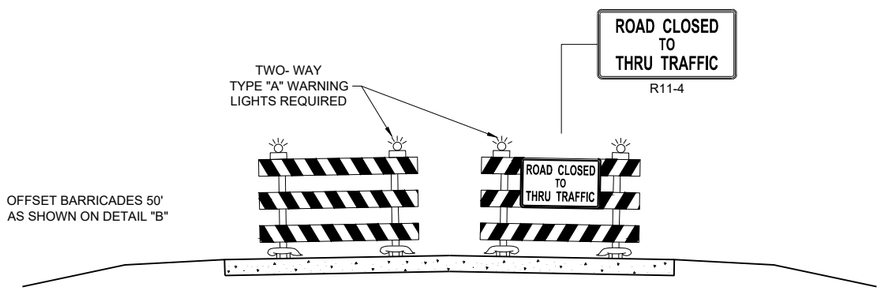
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SDD 15C02-10a



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.

PARTIAL NUMBERS ON SIGNS SHALL BE DISPLAYED AS A WHOLE NUMBER(AS NEEDED) FOLLOWED BY A FRACTION. SIGNS SHALL NOT DISPLAY NUMBERS IN DECIMAL FORM.

"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"

SIGNS PLACED ON TYPE III BARRICADES THAT ARE SIZES OTHER THAN 48"X30" SHALL HAVE A CORRUGATED POLYPROPYLENE OR POLYETHYLENE PLASTIC SIGN BASE.

(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.

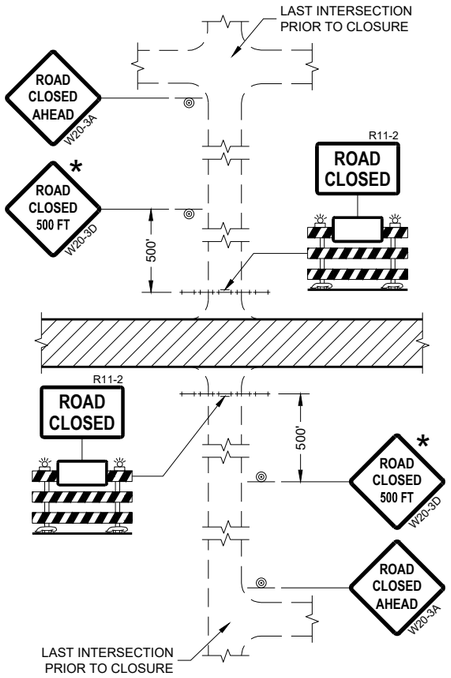
BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

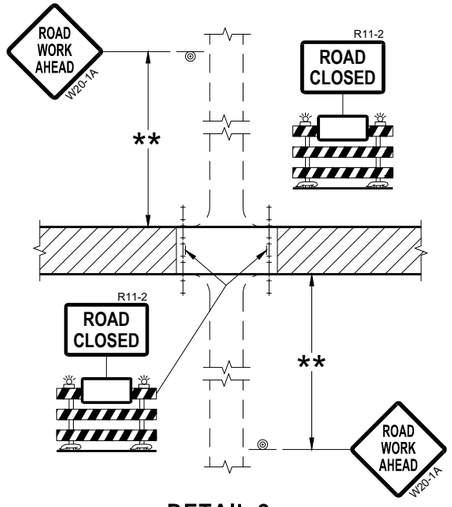
APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

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SDD 15C02-10b



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO 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.

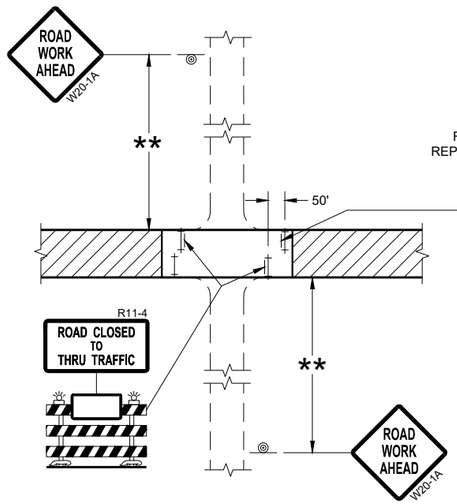
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

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.

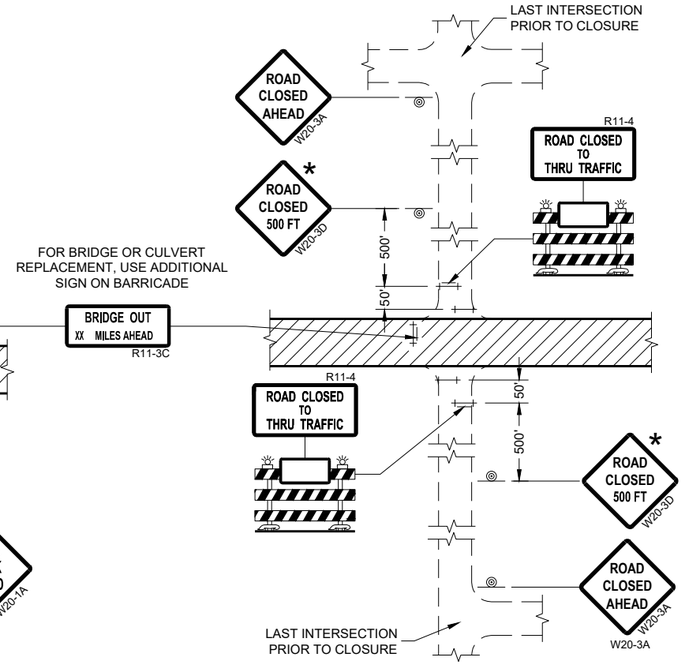
ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* 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.



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

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

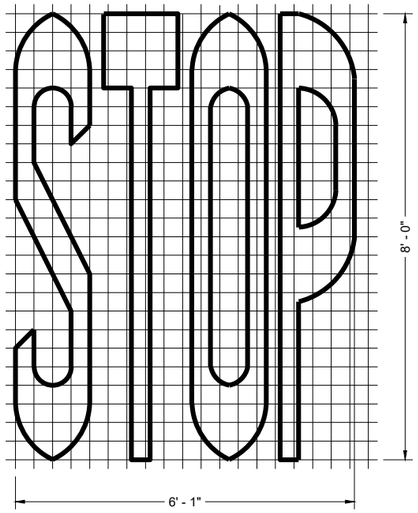
/S/ Andrew Heidtke
WORK ZONE ENGINEE

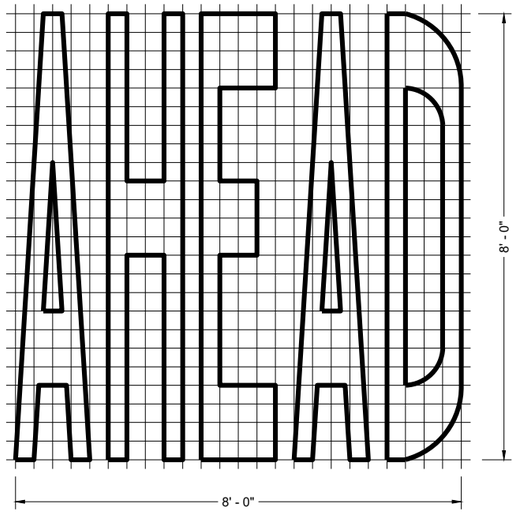
FHWA

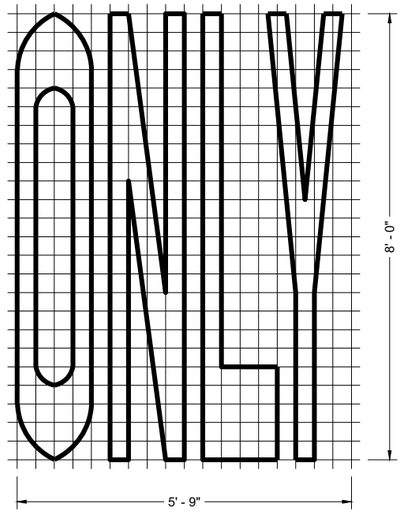
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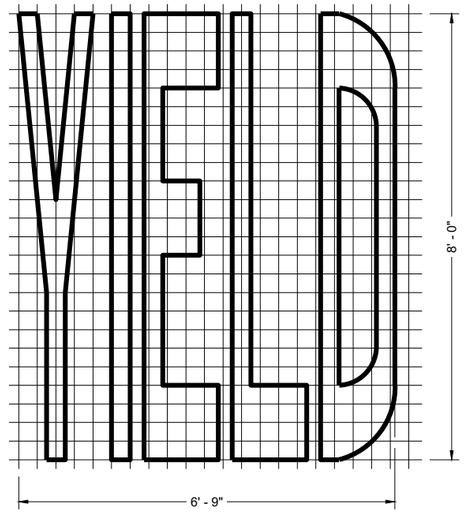
SDD 15C03 - 05

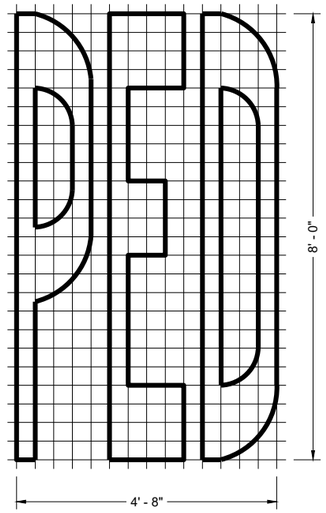
SDD 15C03 - 05

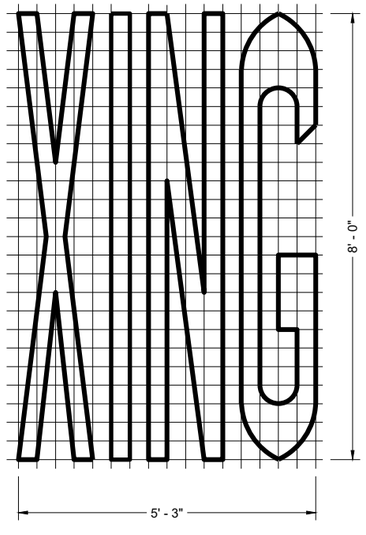


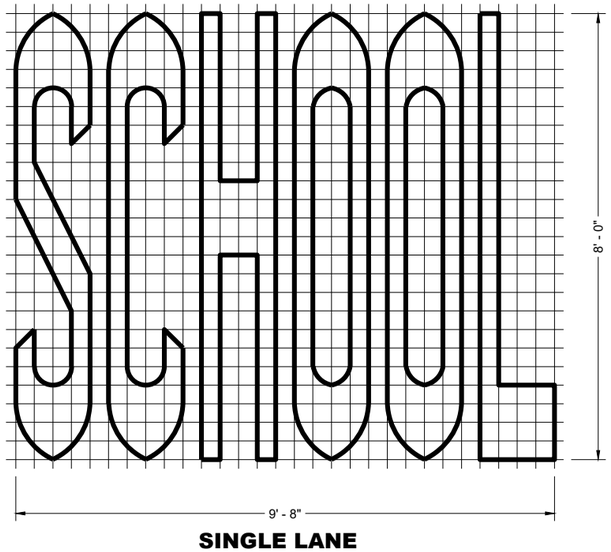




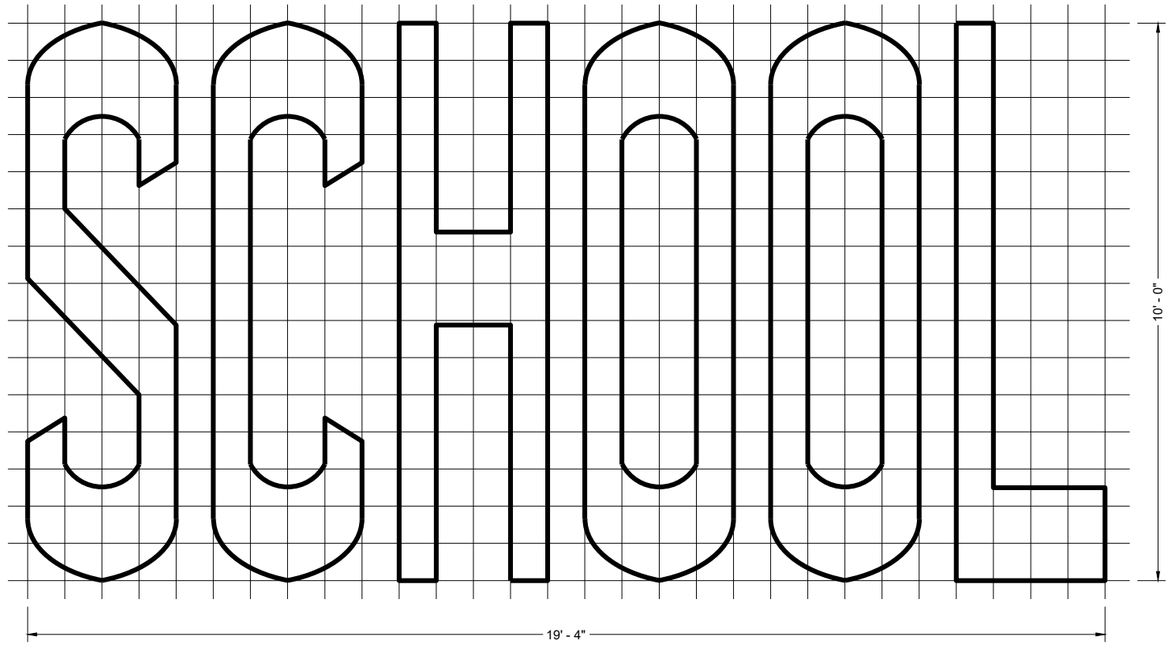








SINGLE LANE



TWO - LANE

GENERAL NOTES

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

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Jeannie Silver — STATE SIGNING AND MARKING ENGINEER

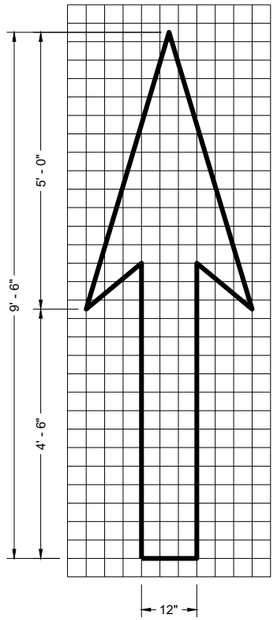
FHWA

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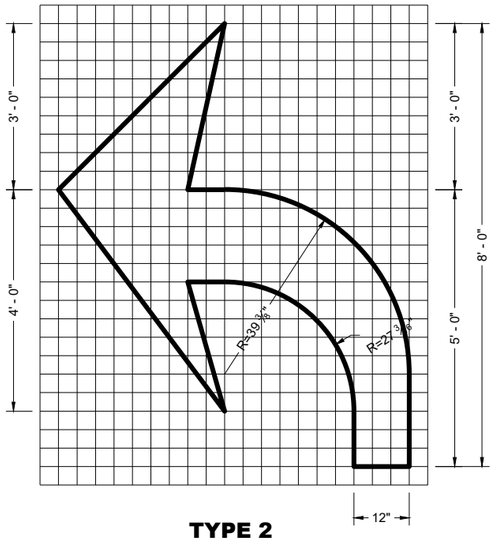
SDD 15C07-16b

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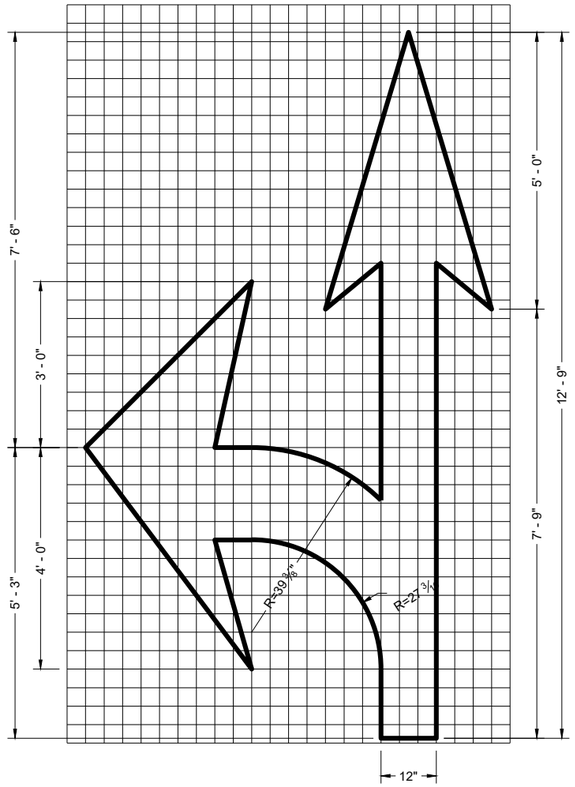
SDD 15C07-16b



TYPE 1



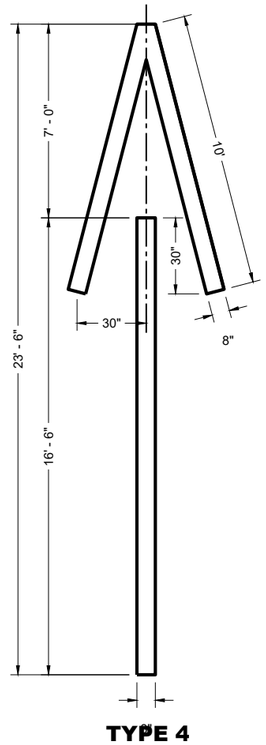
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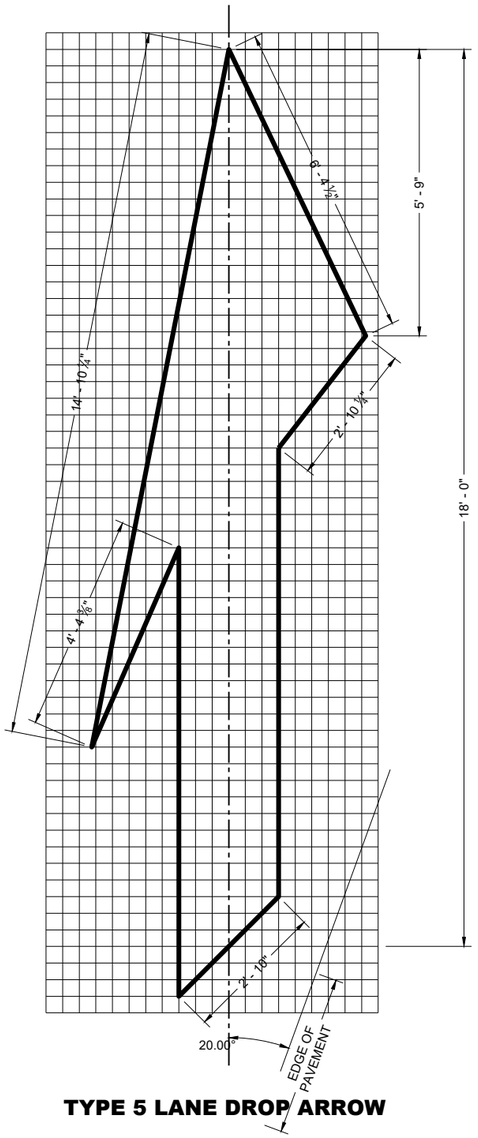
TYPE 3

GENERAL NOTES

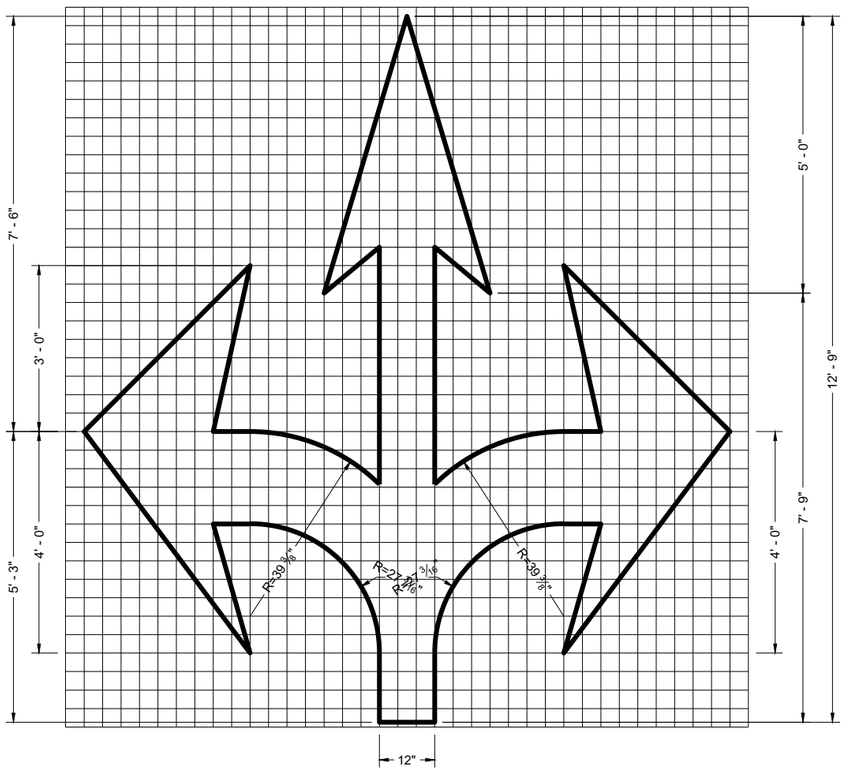
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



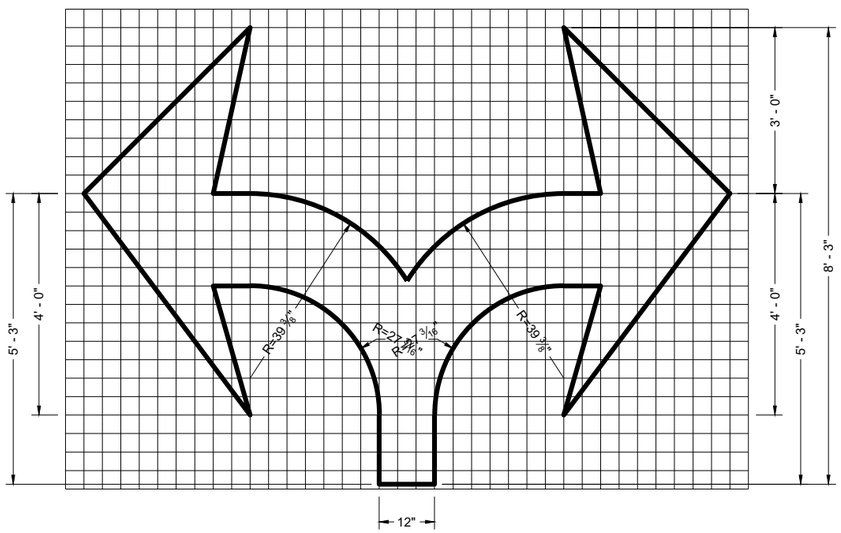
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Jeannie Silver — STATE SIGNING AND MARKING ENGINEER

FHWA

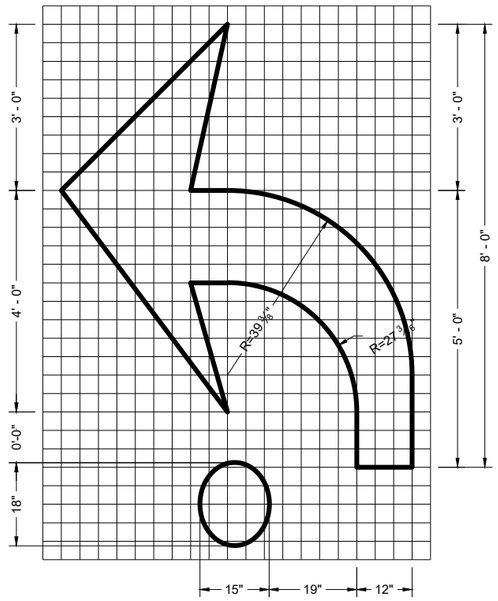
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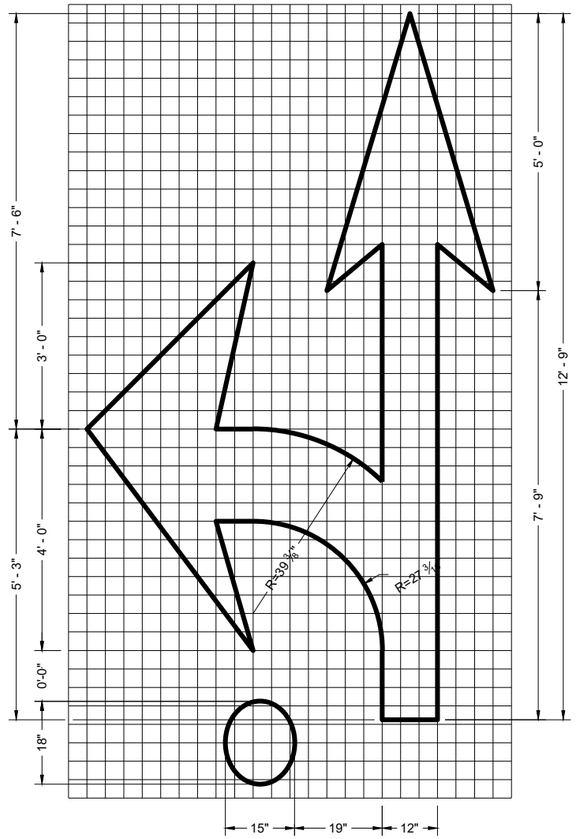
SDD 15C07-16c

GENERAL NOTES

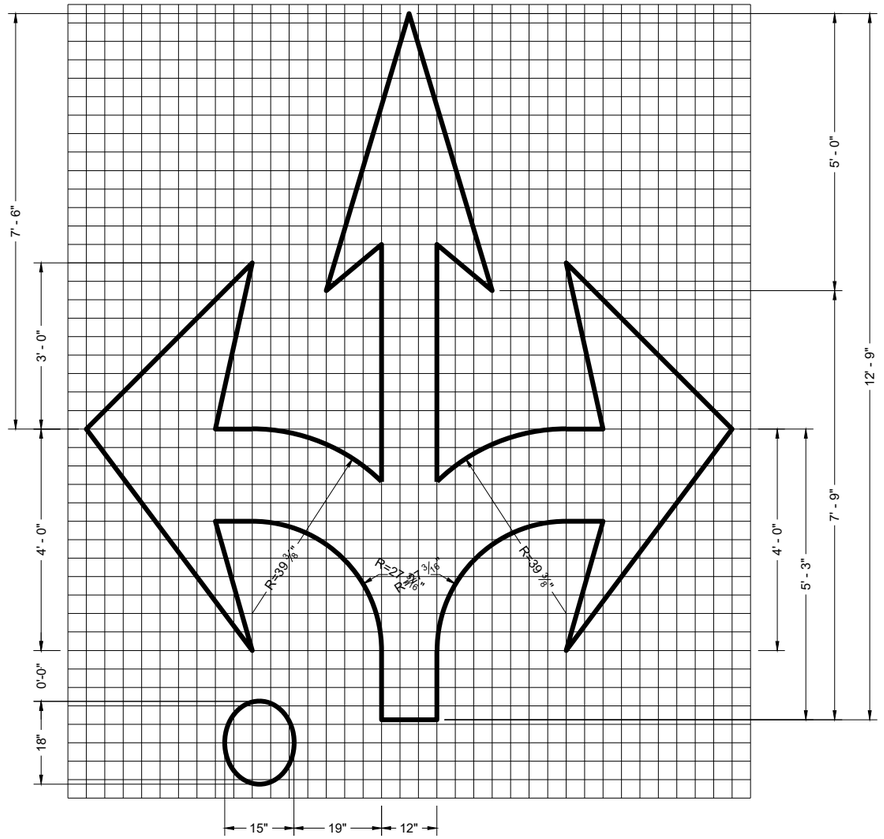
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



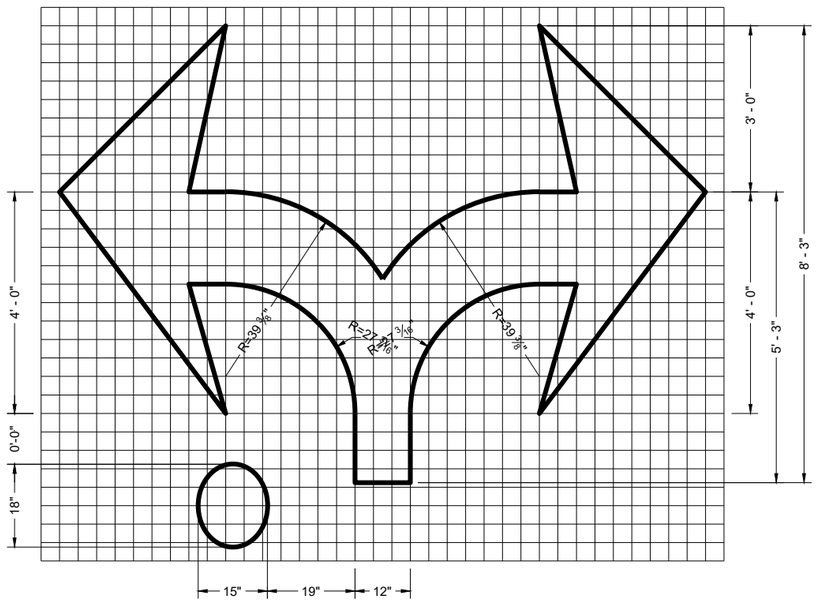
TYPE 2R



TYPE 3R



TYPE 6R



TYPE 7R

ROUNDABOUT MARKING ARROWS

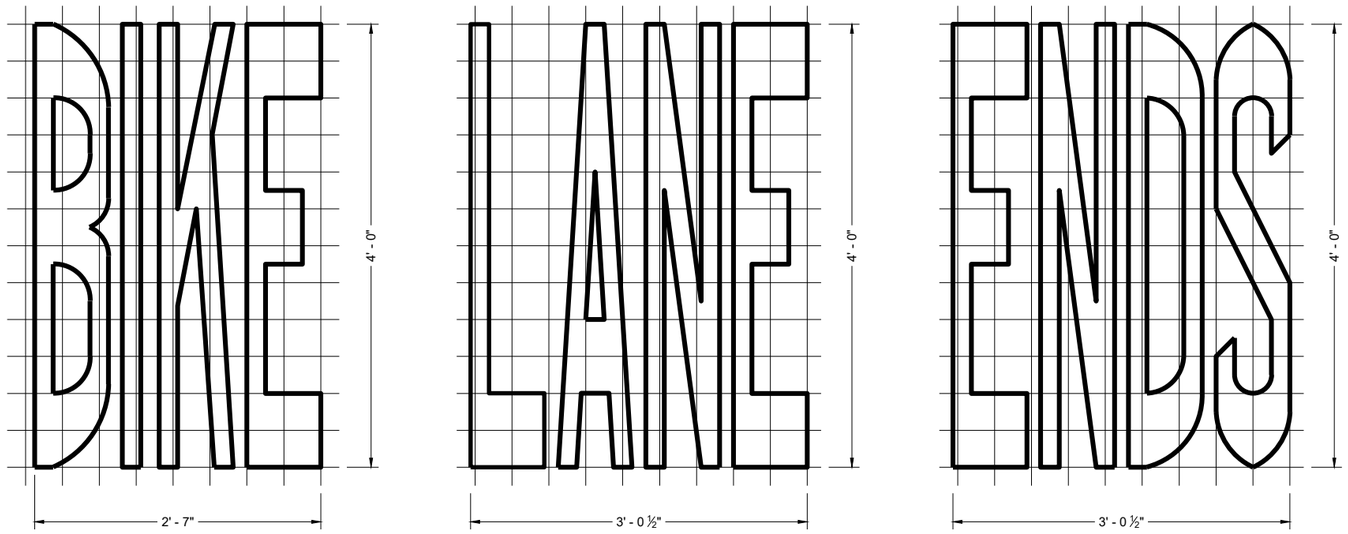
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024
DATE

/S/ Jeannie Silver
STATE SIGNING AND MARKING ENGINEER

FHWA

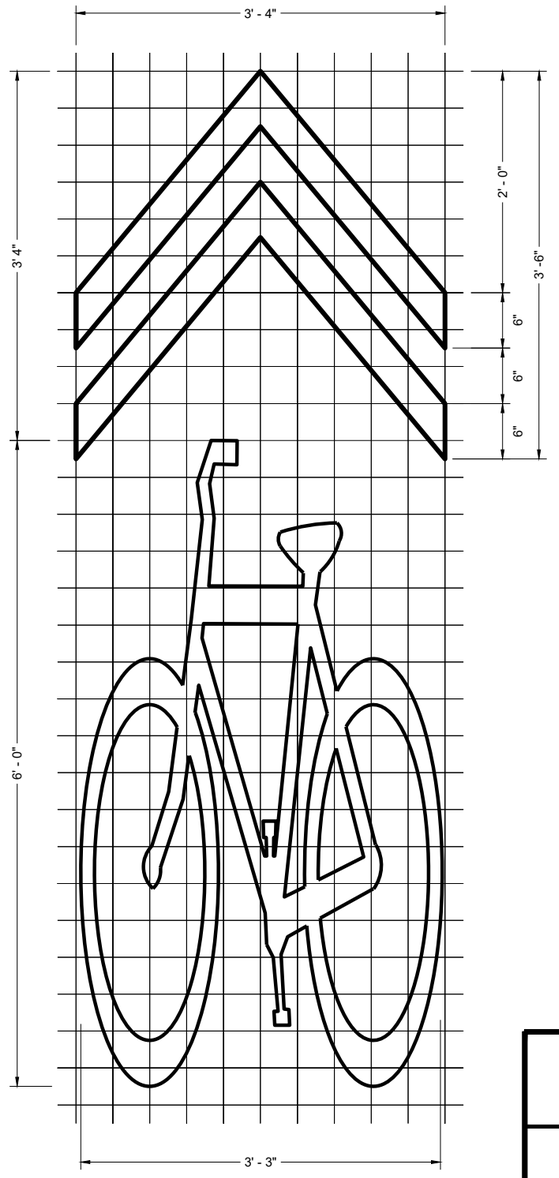
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SDD 15C07-16d



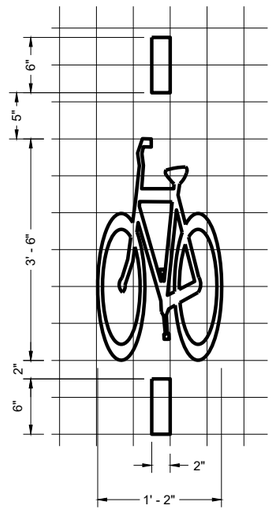
BIKE LANE WORDS

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 2024 — DATE
/S/ Jeannie Silver — STATE SIGNING AND MARKING ENGINEER

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SDD 15C07-16e

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SDD 15C07-16e

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.

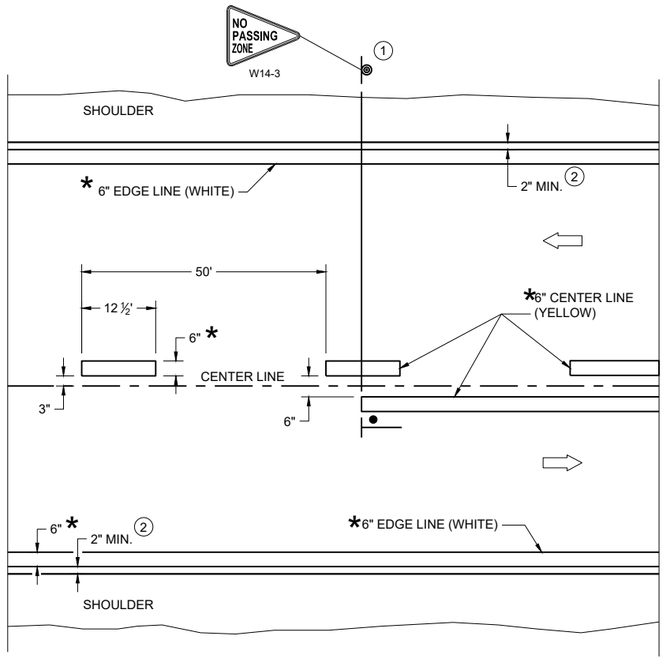
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

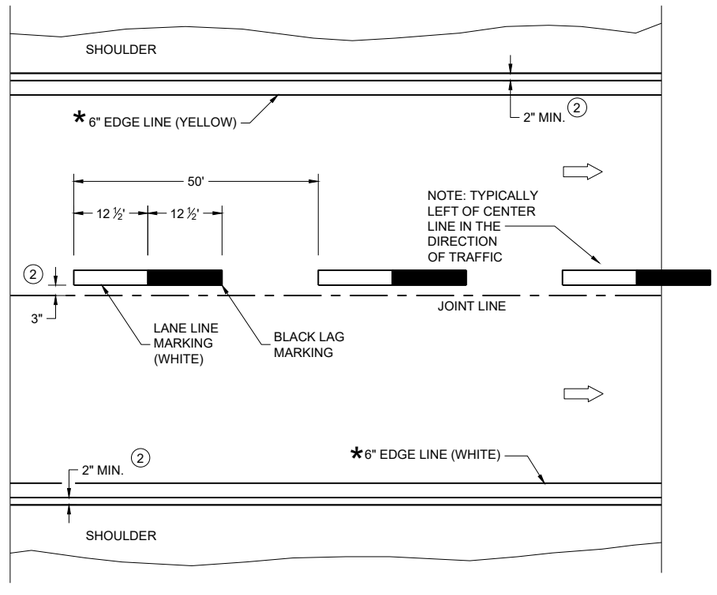
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

6

SDD 15C08-24a

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

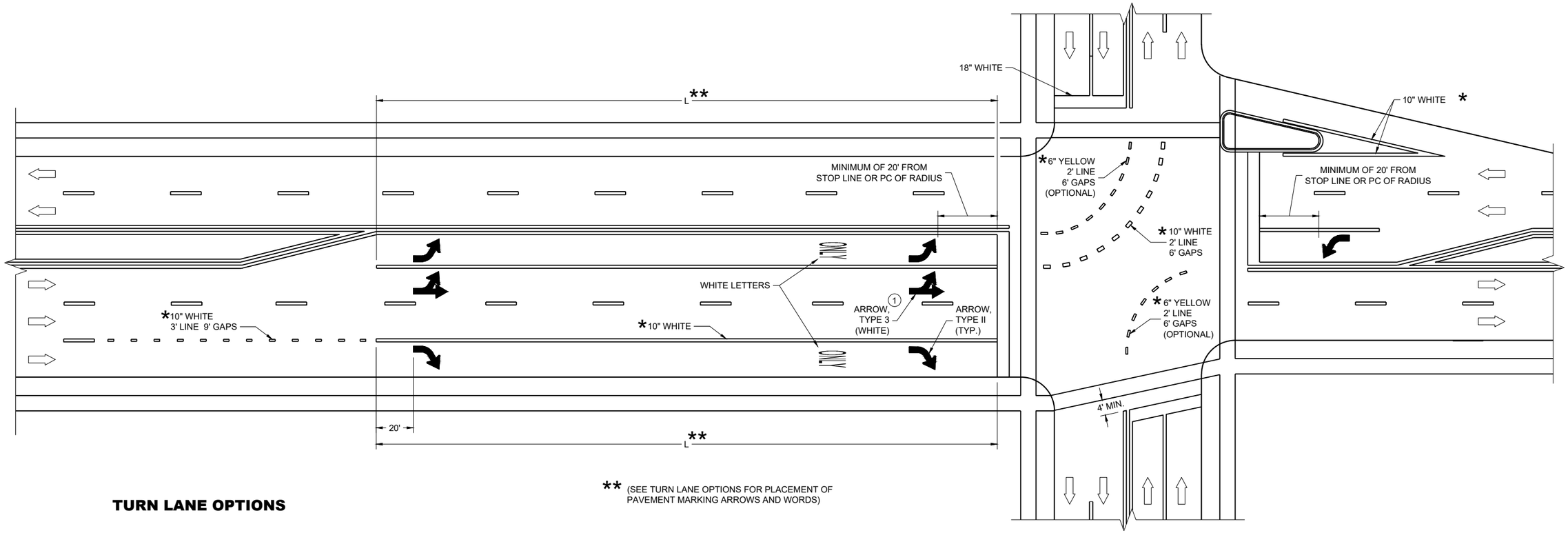
APPROVED
December 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

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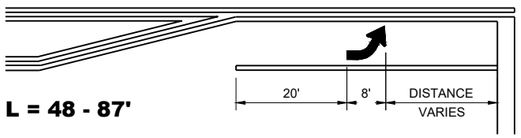
SDD 15C08-24a



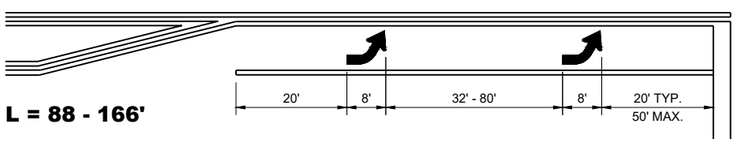
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

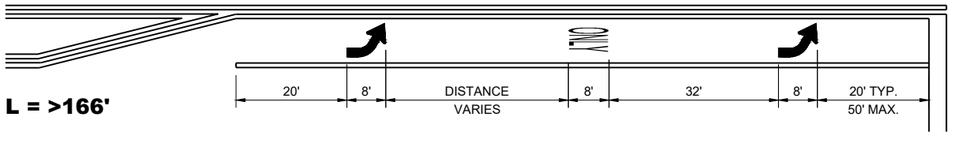
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT
REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. 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

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

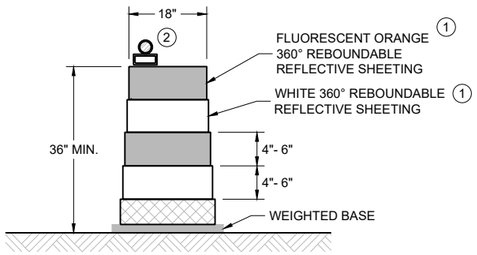
PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

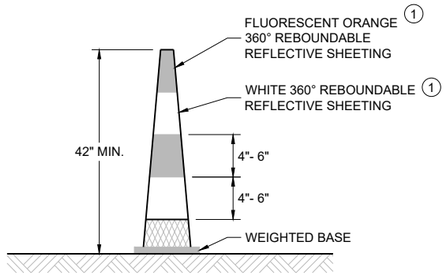
(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

(2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

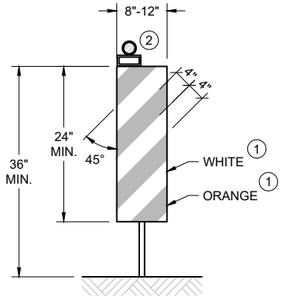
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

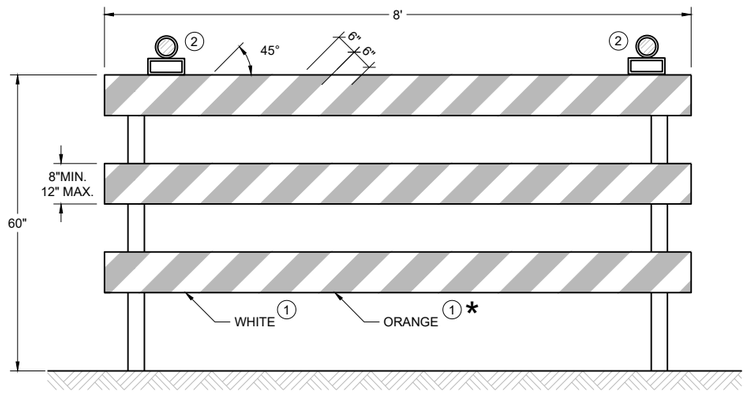
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE 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.

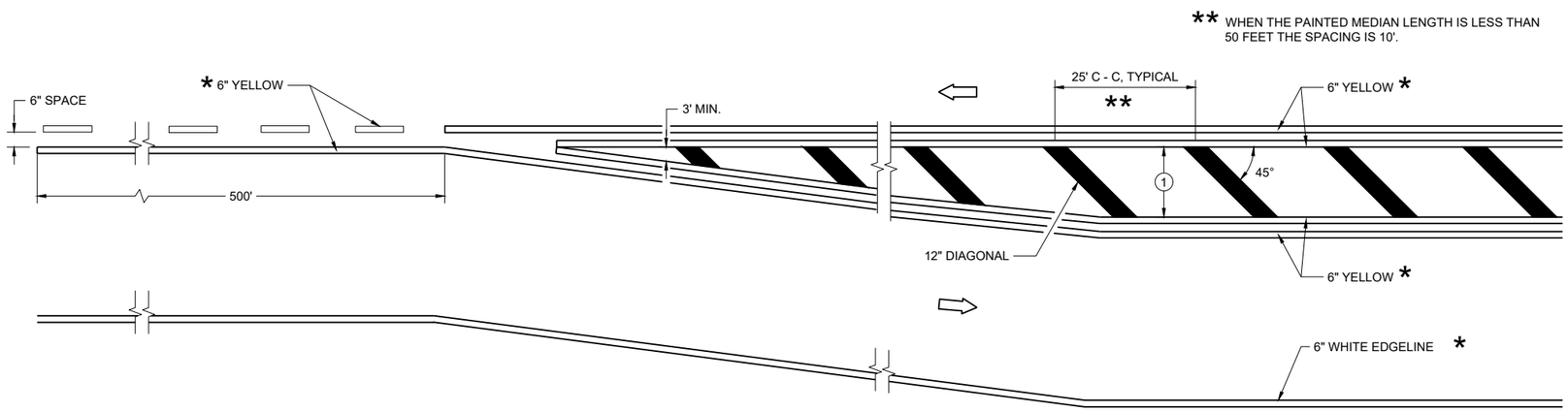
CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2026 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

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SDD 15C11-11b



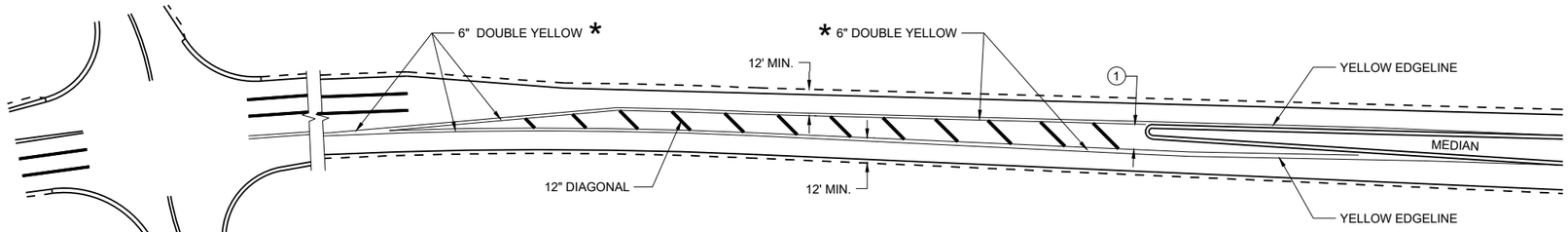
MEDIAN ISLAND DETAIL

GENERAL NOTES

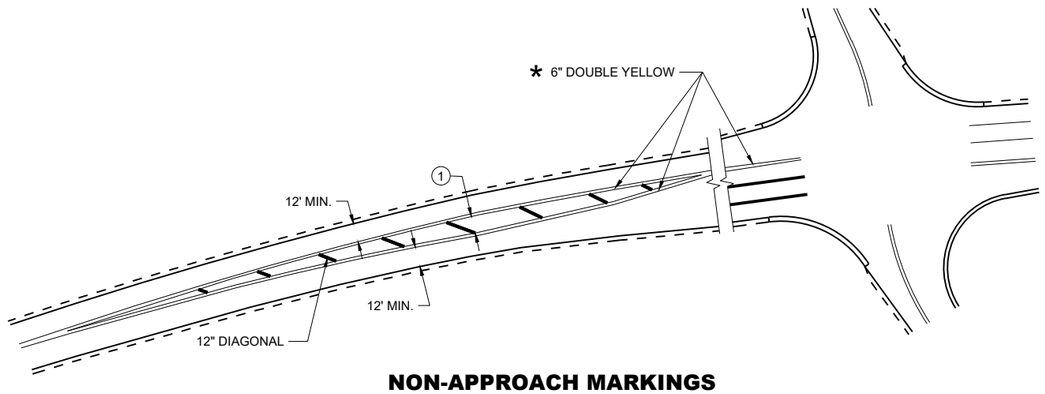
(1) DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

DIRECTION OF TRAVEL

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

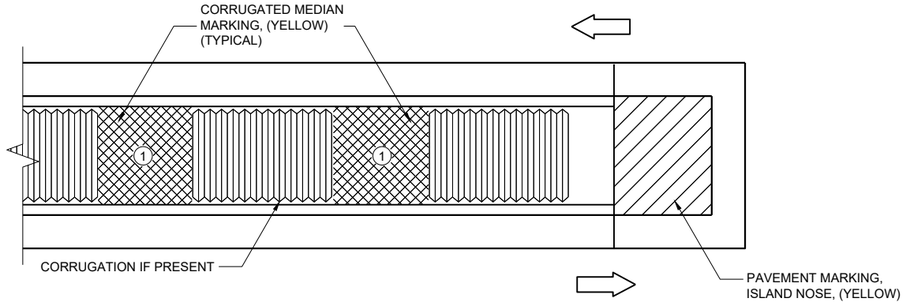
APPROVED
August 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

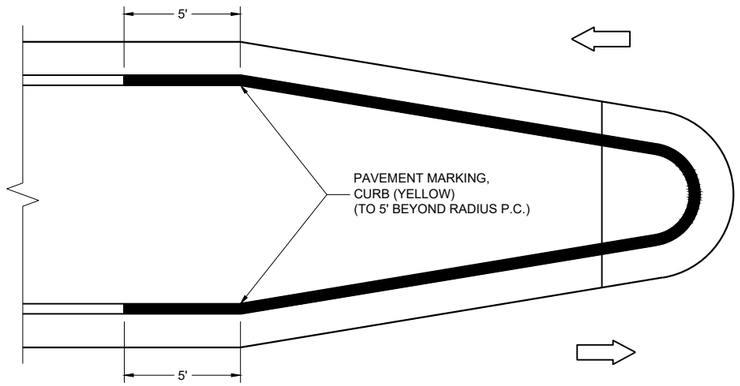
FHWA

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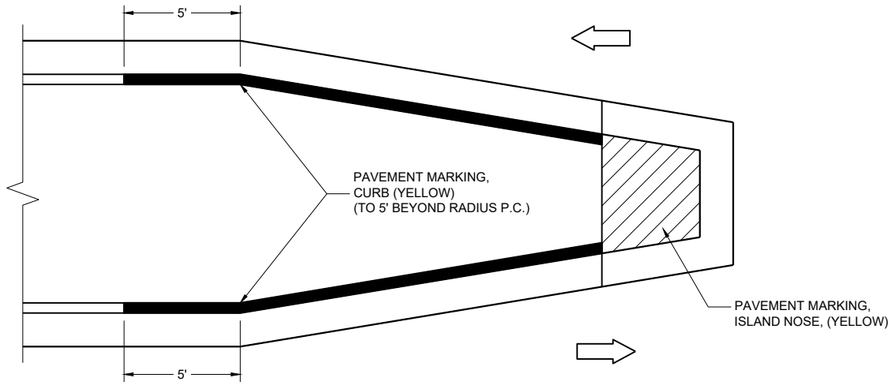
SDD 15C18-09a



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.

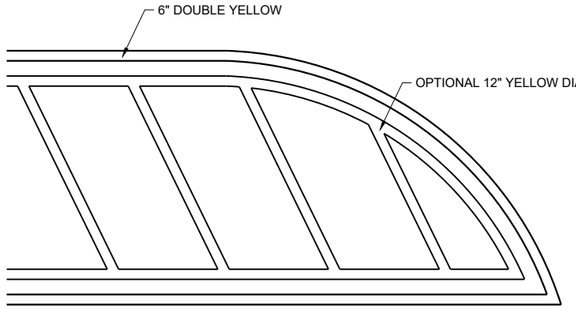
(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL



FLUSH MEDIAN ISLAND NOSE

**PAVEMENT MARKINGS,
MEDIAN ISLAND NOSE**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

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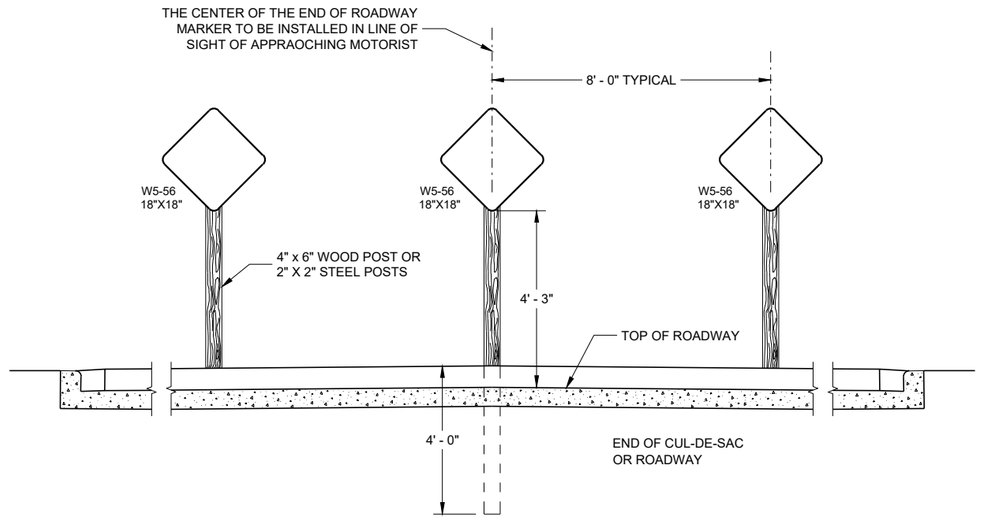
SDD 15C18-09b

GENERAL NOTES

SIGN LOCATIONS SHOWN ARE TYPICAL PLACEMENT AND MAY BE ADJUSTED BY THE ENGINEER AS FIELD CONDITIONS DICTATE.

THE MINIMUM NUMBER OF END-OF-ROADWAY SIGNS ARE THREE (AS SHOWN). ADDITIONAL END-OF-ROADWAY SIGNS MAY BE INSTALLED AS FIELD CONDITIONS DICTATE. (SEE SIGNING PLAN).

WHEN BEAMGUARD IS REQUIRED, PLACE END-OF-ROADWAY SIGNING BEHIND BEAMGUARD.



TYPICAL SIGN INSTALLATION

6

6

SDD 15C26 - 04

SDD 15C26 - 04

END-OF-ROADWAY SIGNING

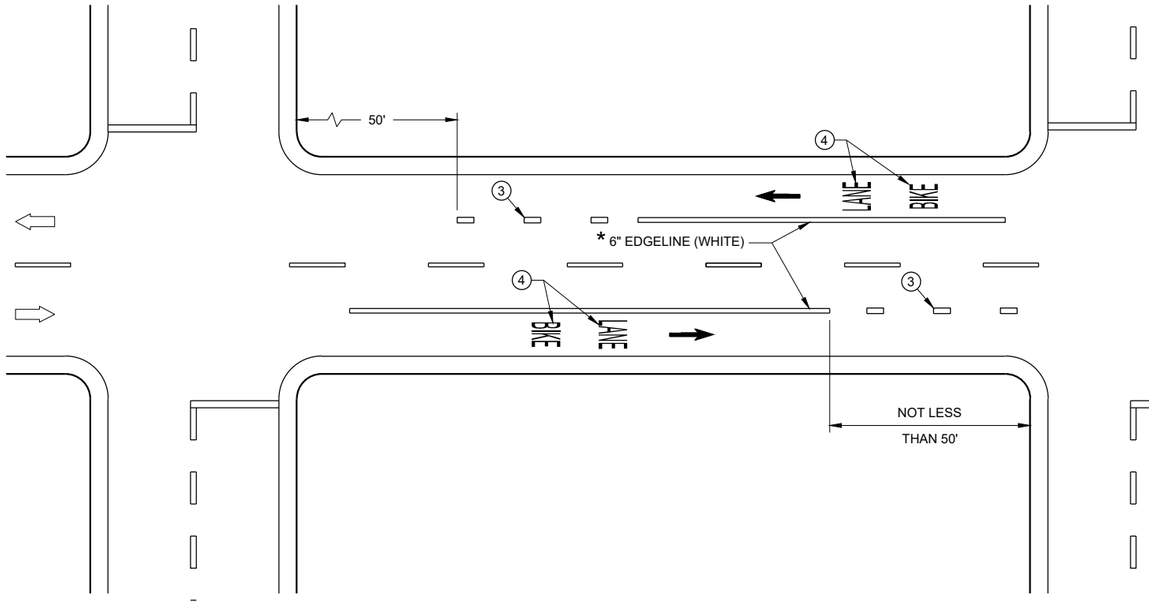
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

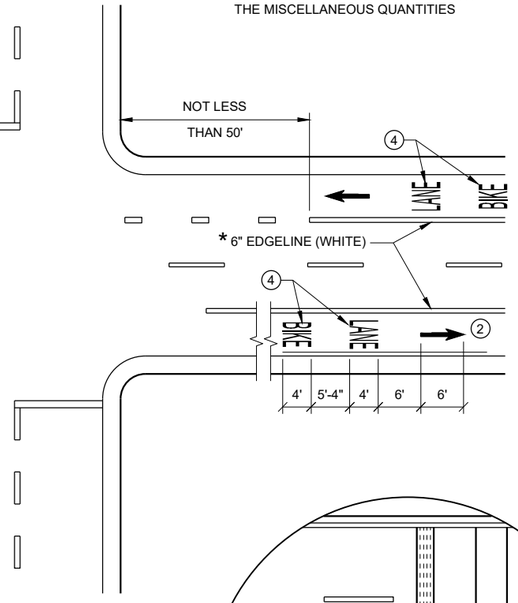
APPROVED

May 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAR ENGINEER

FHWA





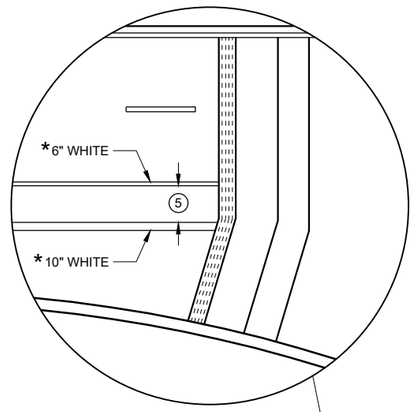
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

GENERAL NOTES

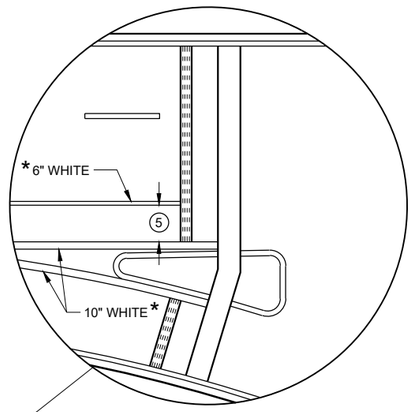
1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3' LINE, 9' GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY 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

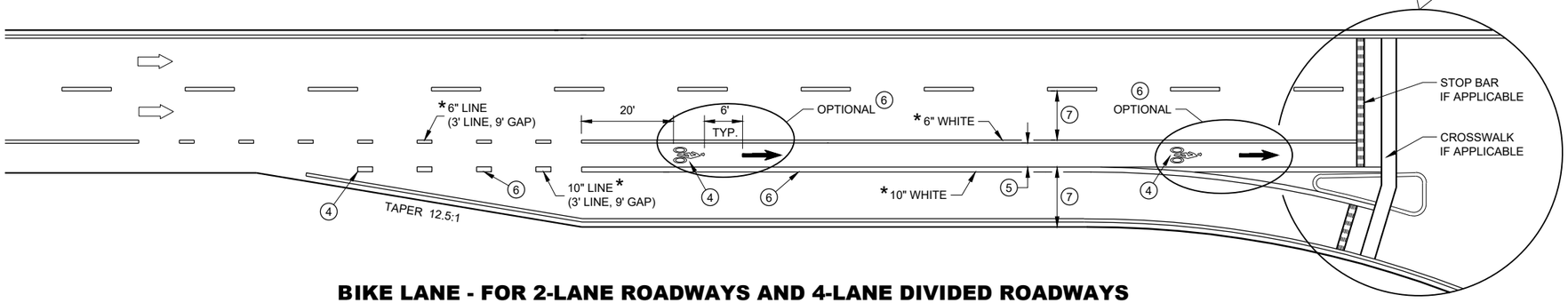
DESIGNATED BIKE LANE - NO PARKING



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 2023 — DATE

/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

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SDD 15C29-08a

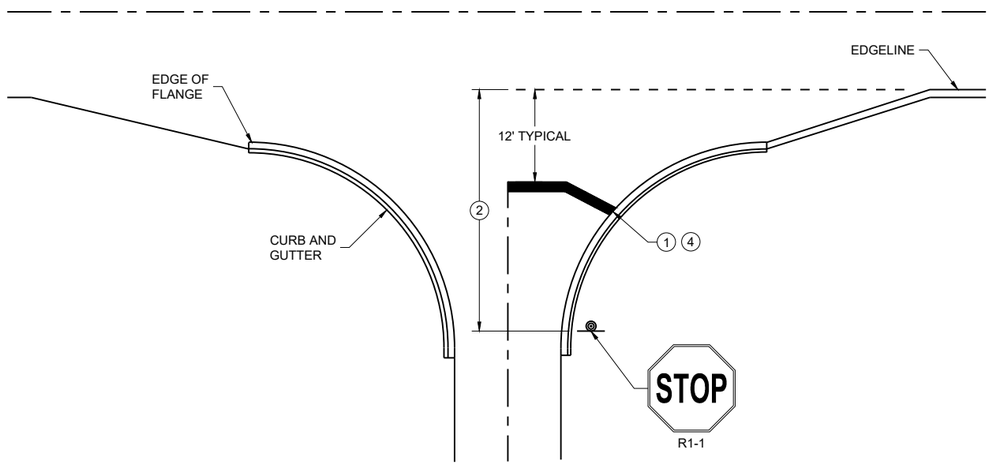
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SDD 15C29-08a

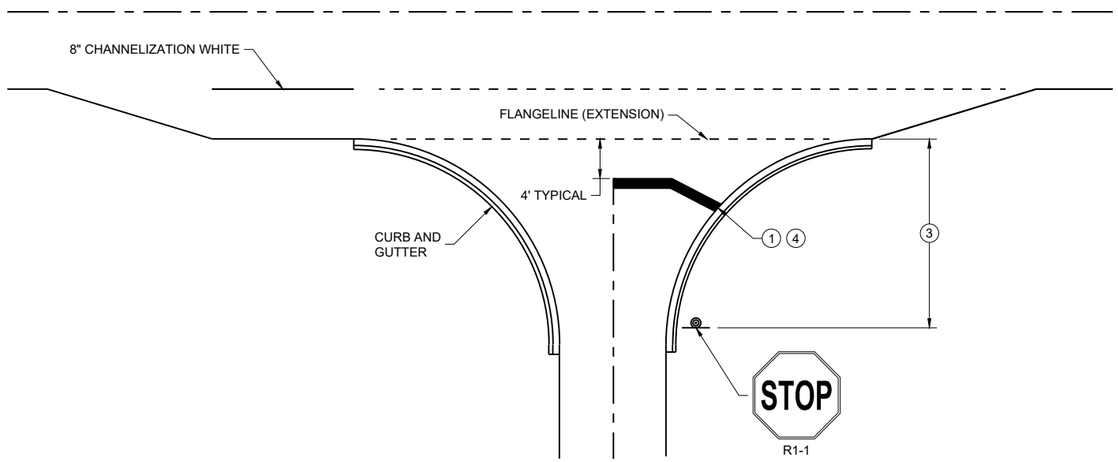
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

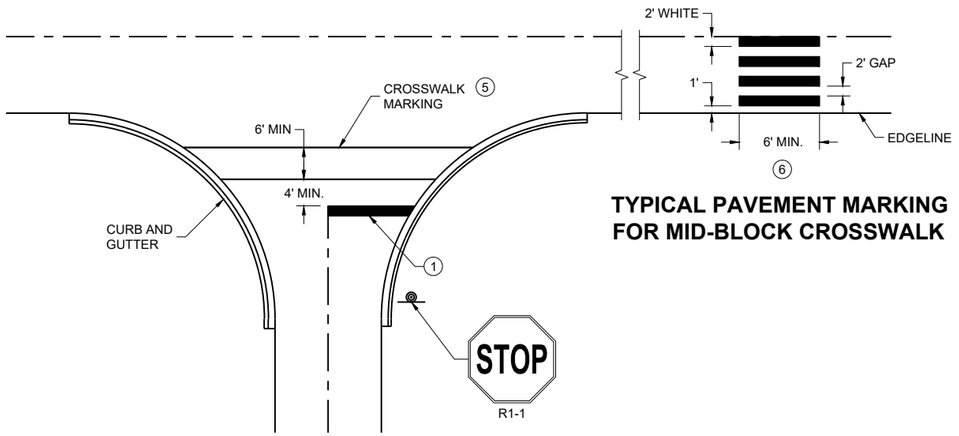
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE 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.
6. POSTED SPEED LIMITS OF 40 MPH OR GREATER USE A MINIMUM WIDTH OF 8' FOR MIDBLOCK CROSSWALKS



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

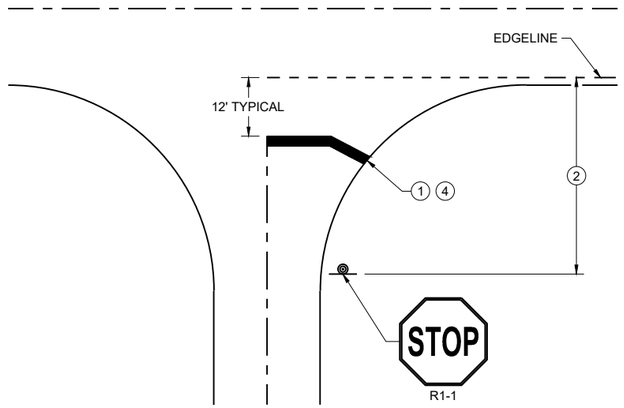


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK (5)

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

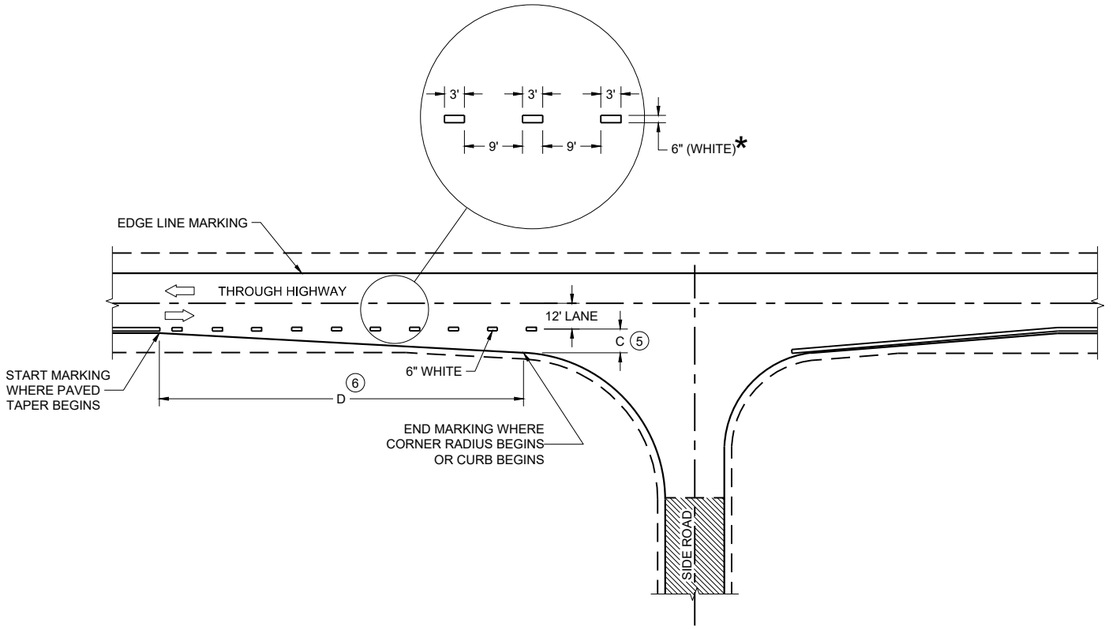
APPROVED

March 2024 — DATE

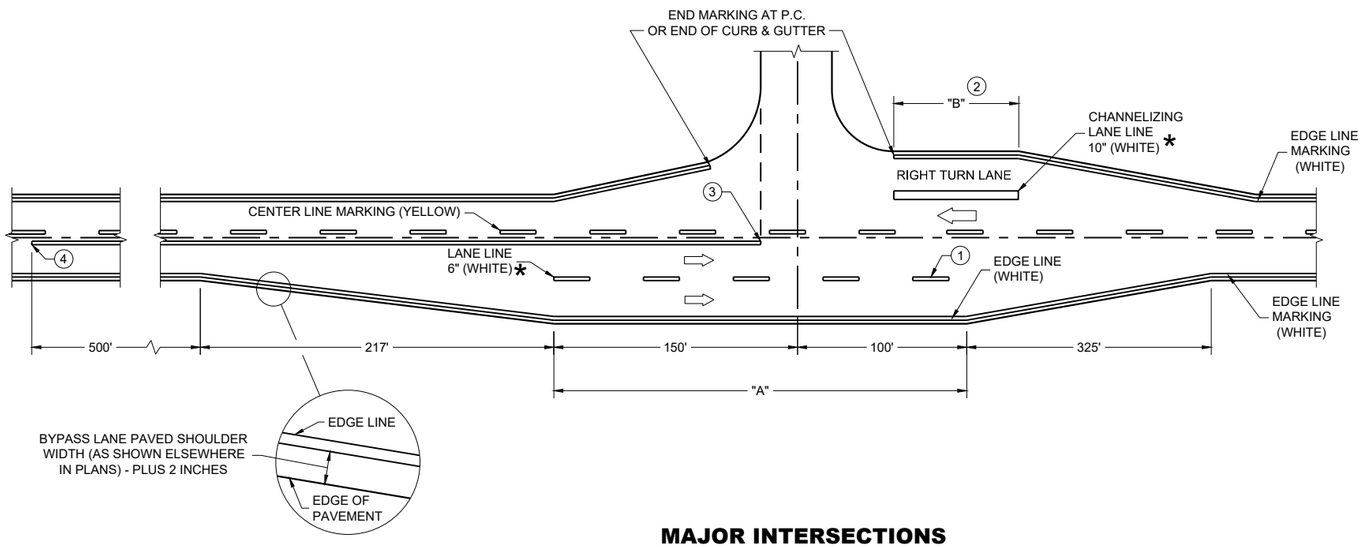
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

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SDD 15C33-05



MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

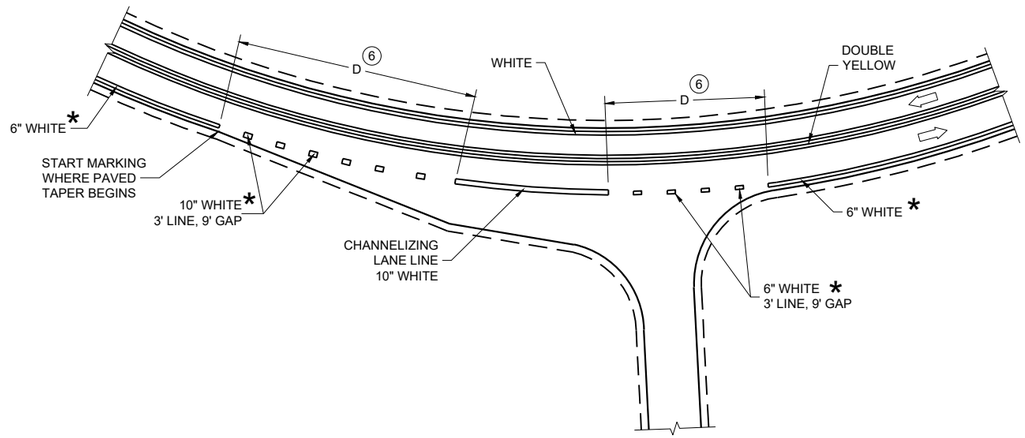
GENERAL NOTES

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



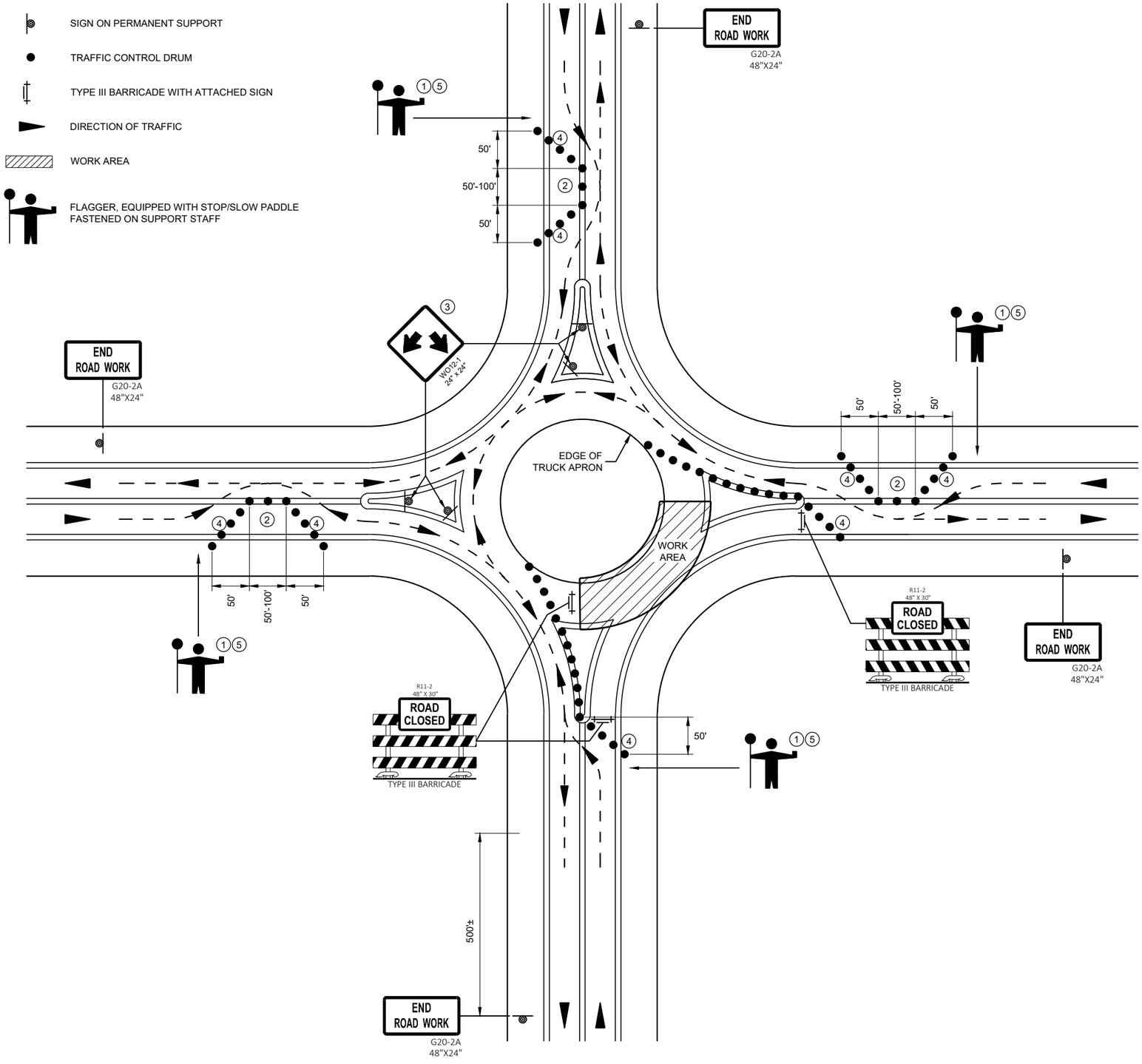
INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



GENERAL NOTES

ALL SIGNS ARE 48"X48" BLACK ON ORANGE UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 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.

ONLY ONE QUADRANT OF TRAFFIC SHALL BE RELEASED AT A TIME.

FLAGGERS SHALL CONTROL TRAFFIC ON ALL APPROACHES OF THE ONE-LANE ROUNDABOUT. ONE FLAGGER SHALL BE DESIGNATED LEAD FLAGGER.

NIGHT TIME WORK REQUIRES ADDITIONAL LIGHTING AT FLAGGER STATION(S).

1. FLAGGERS SHALL BE IN DIRECT RADIO CONTACT AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.
2. ADJUST CHANNELIZING DEVICES TO ACCOMMODATE FOR TURNING RADIUS OF LARGE VEHICLES AS DIRECTED BY THE ENGINEER.
3. GUIDE SIGN WITH ROAD NAMES MAY BE USED IN LIEU OF THE DOUBLE ARROW (WO12-1) SIGN.
4. THE TWO- WAY TAPER SHOULD BE 50 FEET USING 5 EQUALLY SPACED DRUMS.
5. FOLLOW SDD 15C12 FOR FLAGGING AND ADVANCE WARNING.

RECOMMENDED REDUCED DRUM SPACING WITHIN ROUNDABOUT

MPH	DRUM SPACING (FT)
0-40	25
45-55	50

TRAFFIC CONTROL, FLAGGING OPERATION, ROUNDABOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE T SAFETY ENGINEER

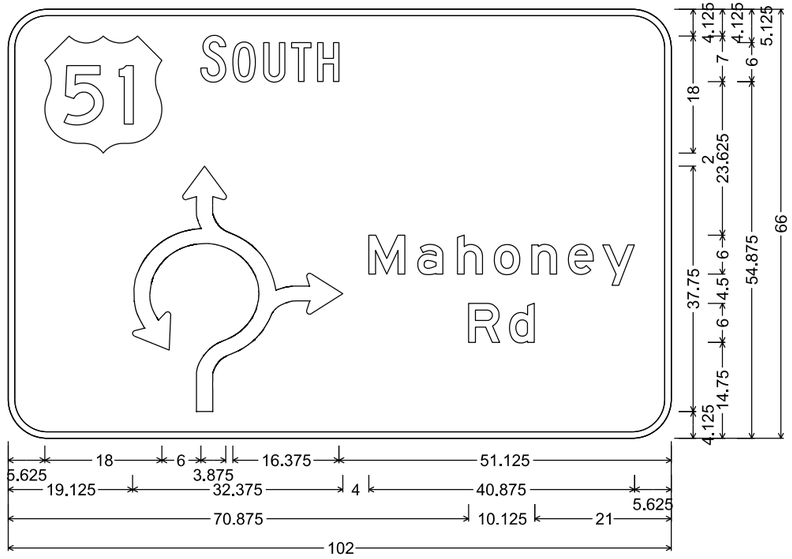
FHWA

SDD 15D37 - 03

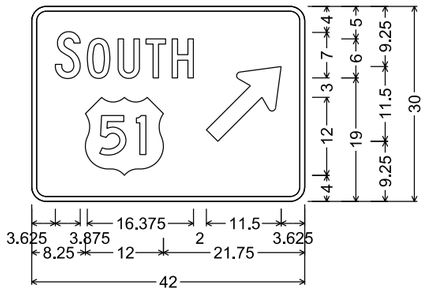
SDD 15D37 - 03

NOTES

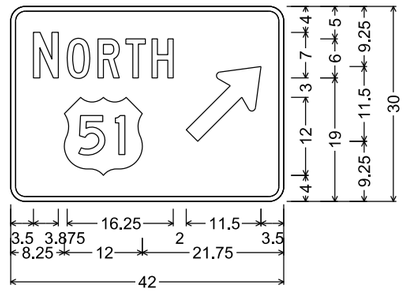
1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E or as noted



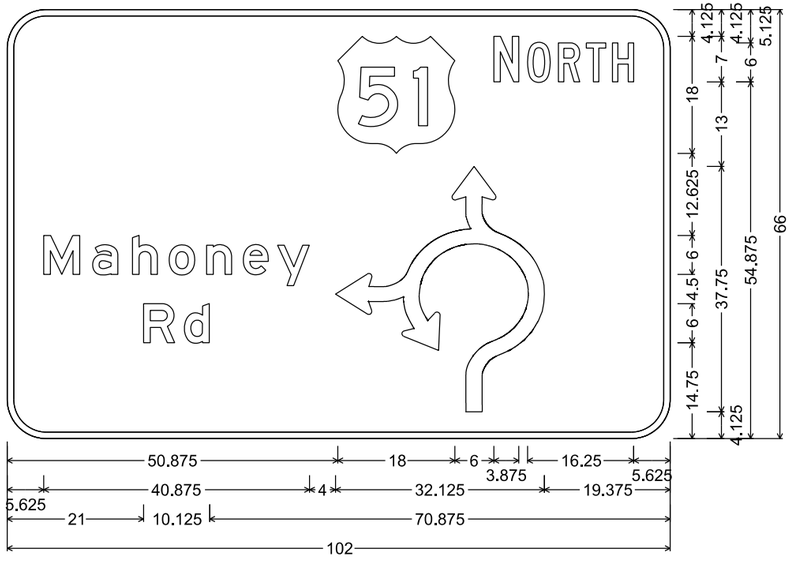
D1-62; 6.000" Radius, 1.000" Border
"SOUTH", C



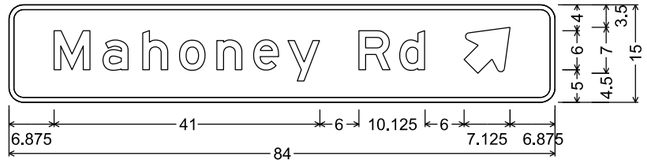
D1-67; 2.250" Radius, 0.750" Border
"SOUTH", C



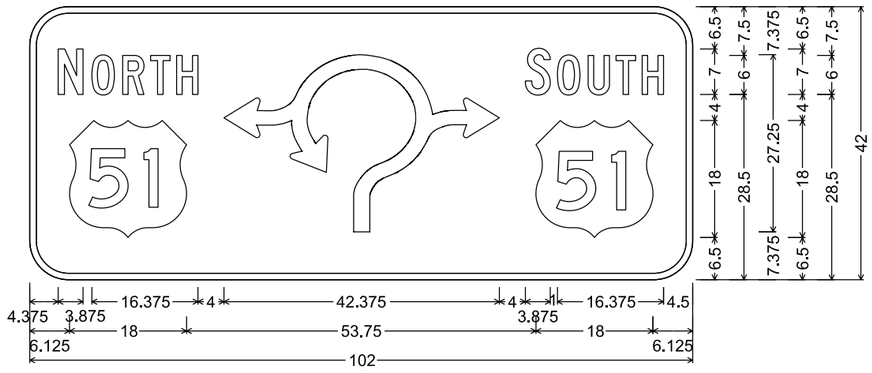
D1-67; 2.250" Radius, 0.750" Border
"NORTH", C



D1-62; 6.000" Radius, 1.000" Border
"NORTH", C



D1-1; 2.250" Radius, 0.750" Border
2.250" Radius, 0.750" Border, White on Green;



D1-62; 6.000" Radius, 1.000" Border
"NORTH", C; "SOUTH", C

7

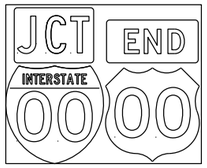
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	PERMANENT SIGNING	SHEET NO: 296	E

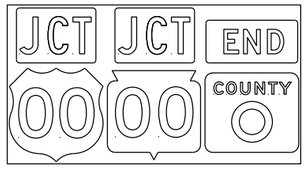
TYPICAL ASSEMBLIES



J1-1



J1-2



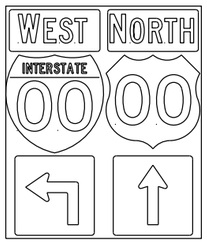
J1-3



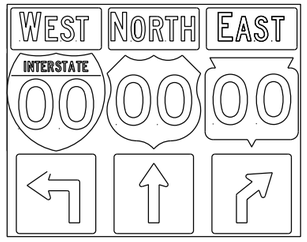
JR1-1



J2-1



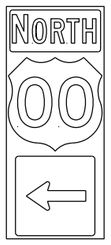
J2-2



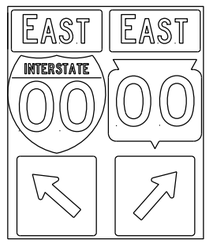
J2-3



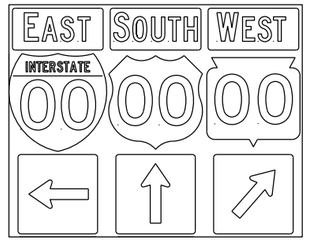
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



J3-1



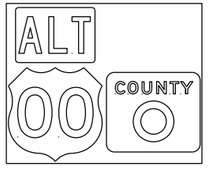
J3-2



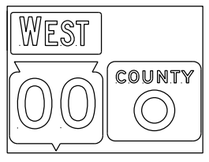
J3-3



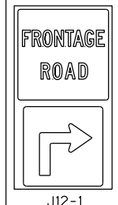
J4-1



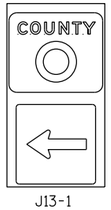
J4-2



J4-2



J12-1



J13-1



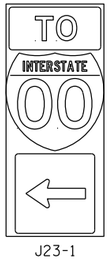
J32-1



J33-1



J22-1



J23-1



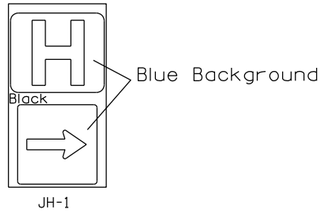
JR13-1



JR23-1



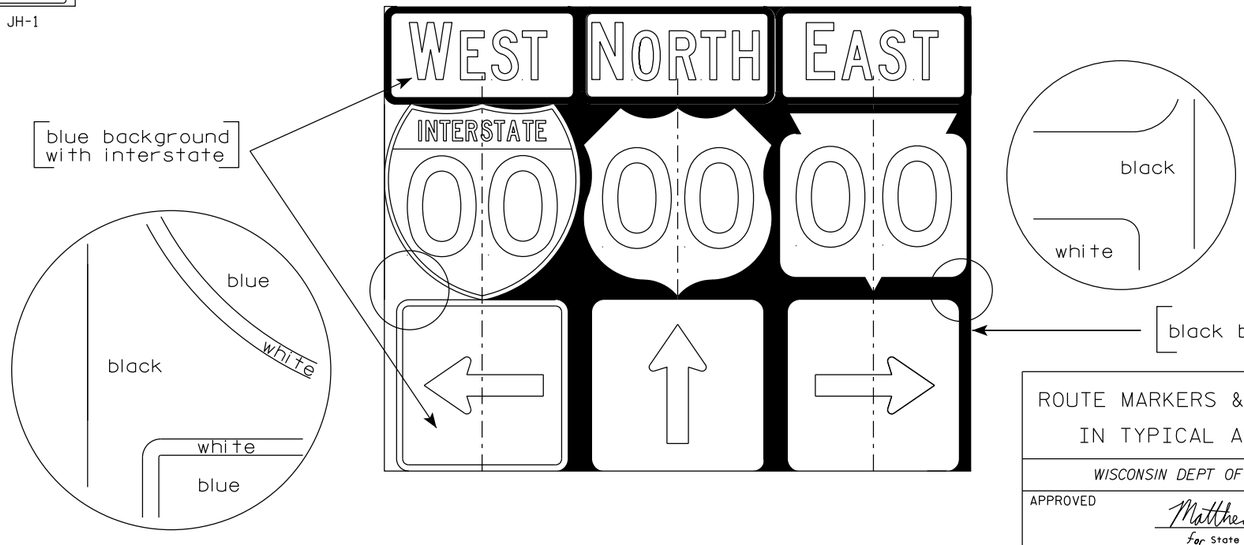
JR99-1



JH-1

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Black Non-reflective
   Message - see Note 4
3. Message Series - See Note 4
4. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
5. 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.
6. 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.
7. 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.
8. 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.
9. All Vertical J Assemblies are given a Sign Code of JV
10. For JV Assemblies that have a mixture of Interstate and Non-Interstate shields, arrows and cardinals shall be white on blue.
11. For JV Assemblies that have a mixture of Non-Interstate and Auto-Tour shields, arrows and cardinals shall be black on white.



ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

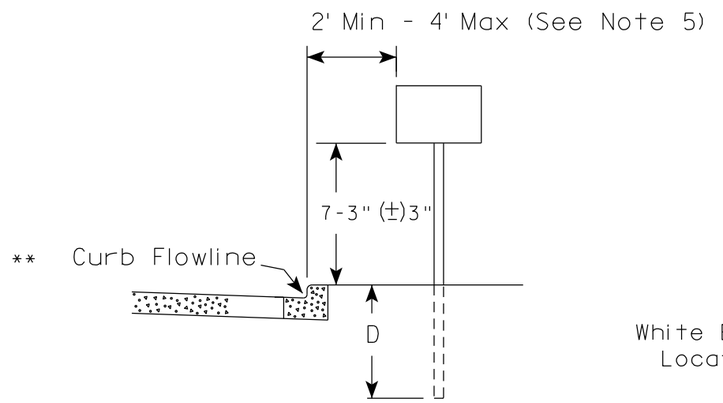
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/23 PLATE NO. A2-1S.10

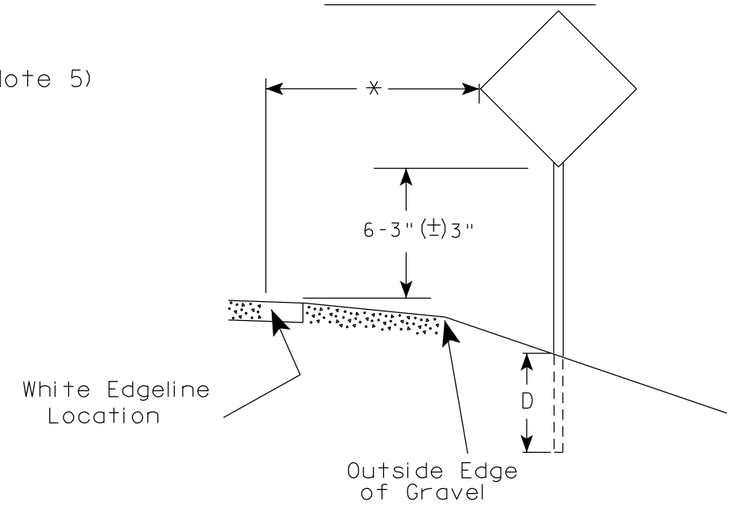
PROJECT NO:

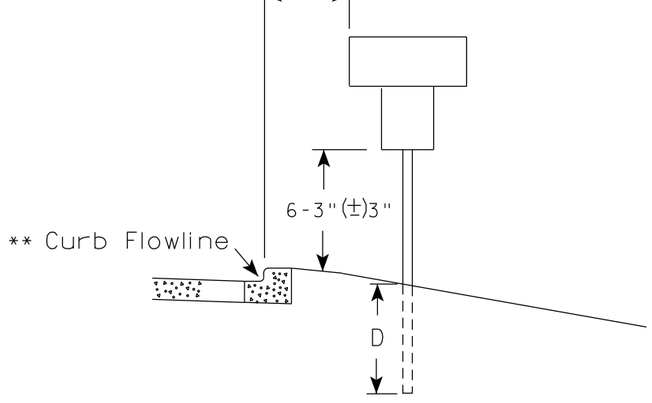
SHEET NO: 297 E

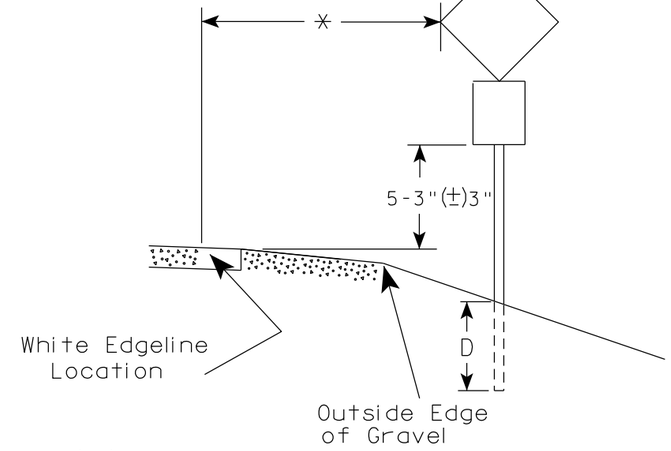
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±) 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".
3. For expressways and freeways, mounting height is 7'- 3" (±) 3" or 6'-3" (±) 3" depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±) 3".
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directd by the Engineer.

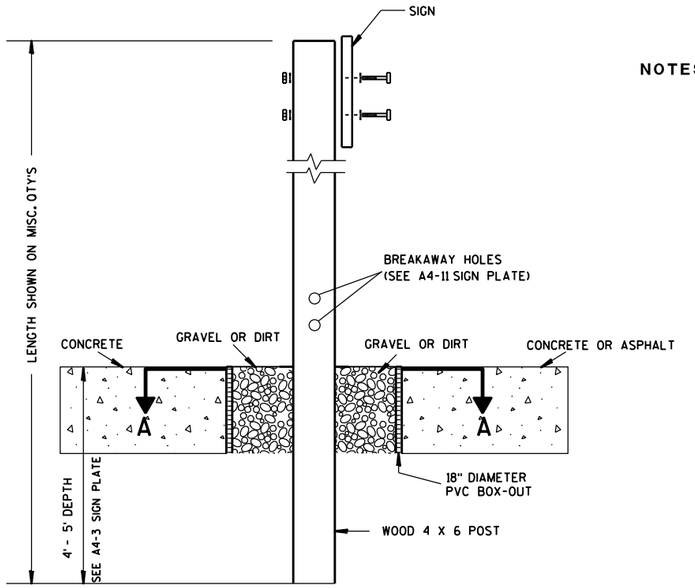
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

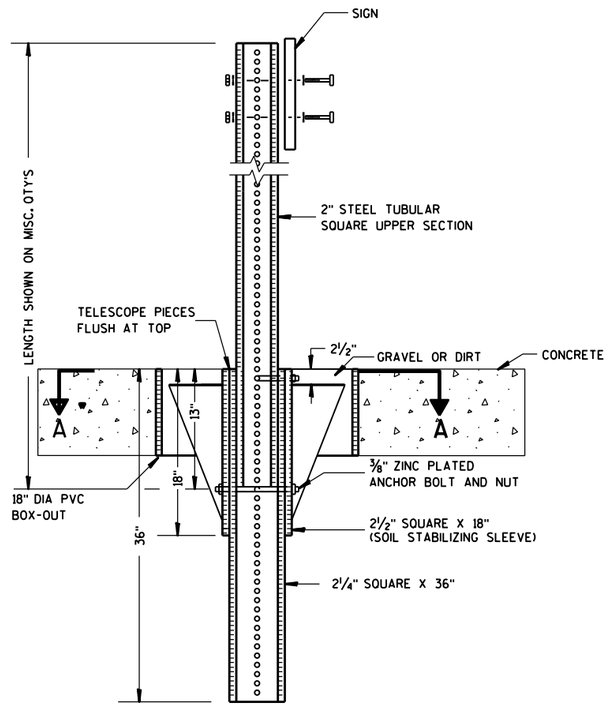
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 298	E



ELEVATION VIEW

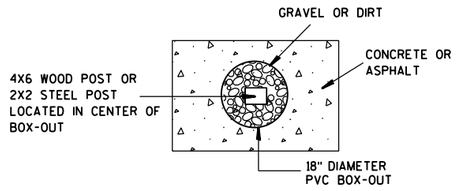
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

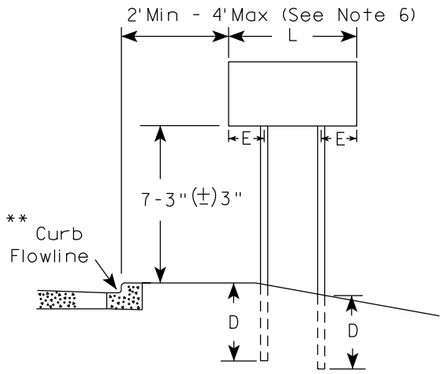
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

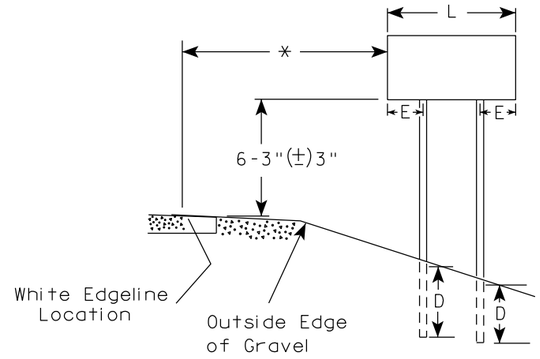
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

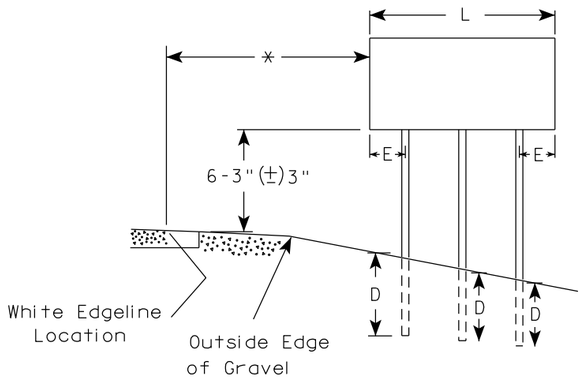
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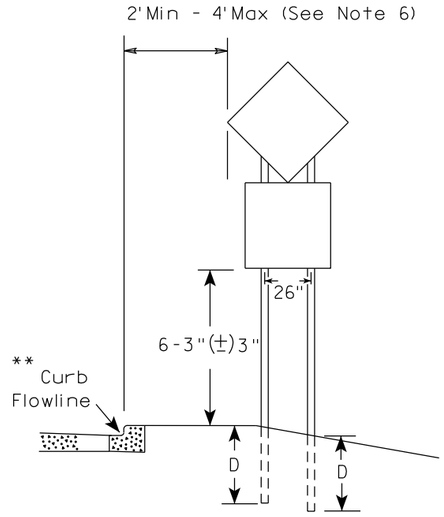
URBAN AREA



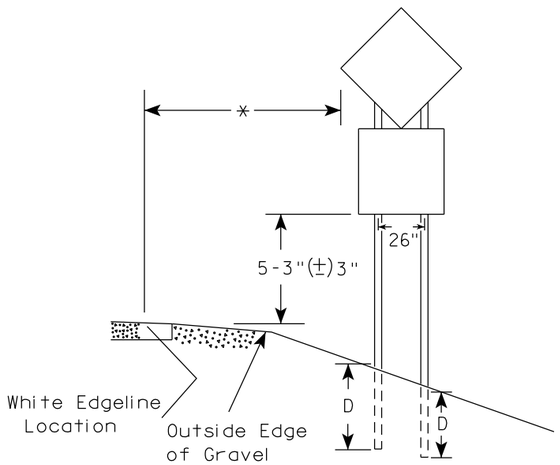
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 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" (±) 3" or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 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" (±) 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'

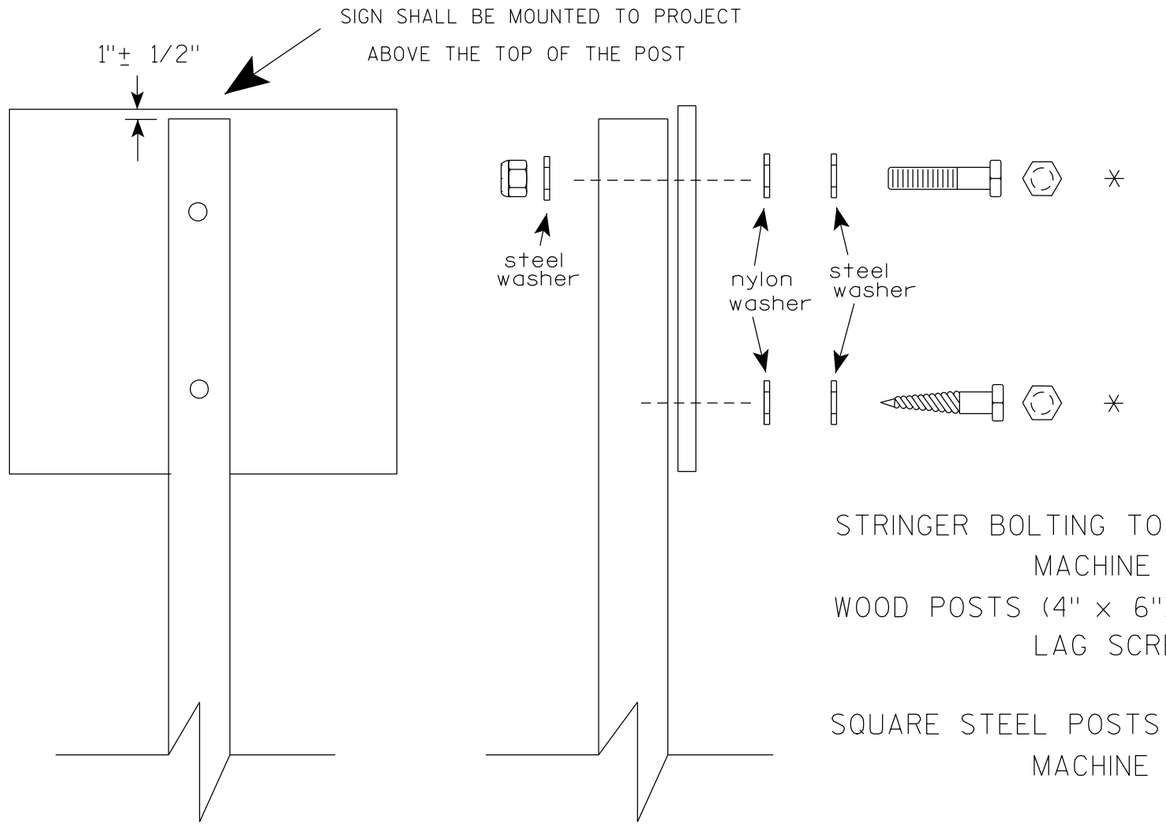
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 300	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

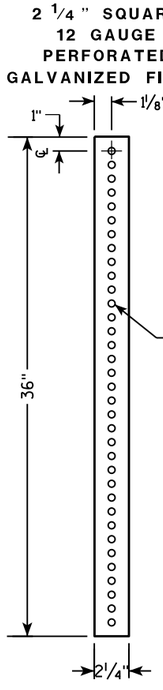
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

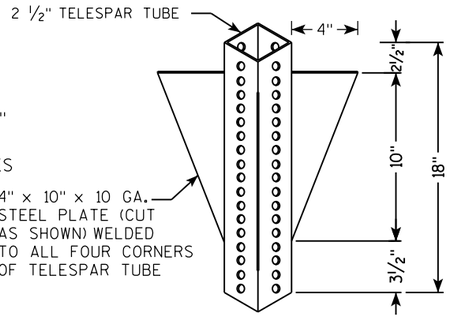
SHEET NO: 301 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

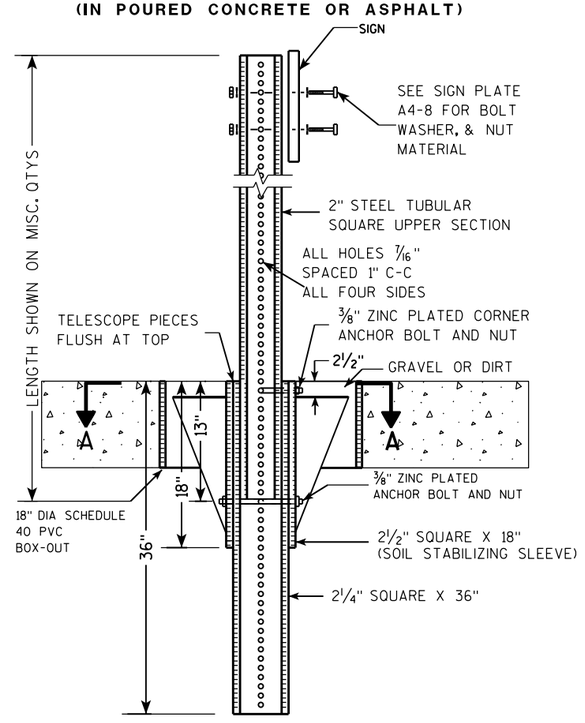
2 ¼ " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



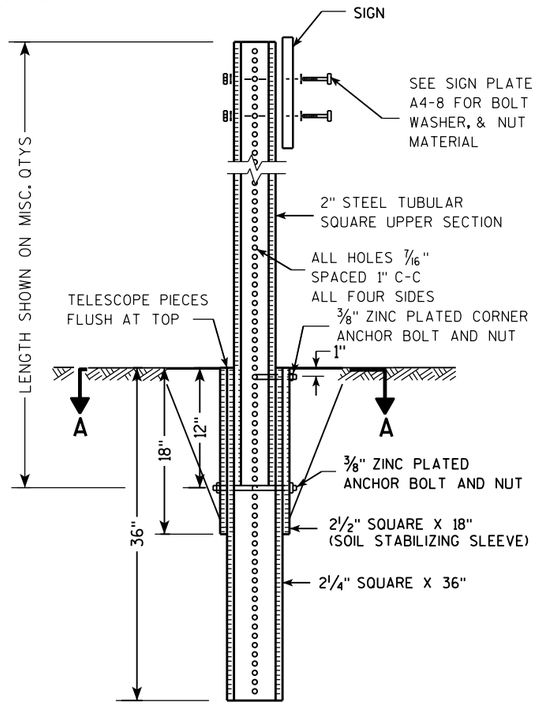
2 ½ " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

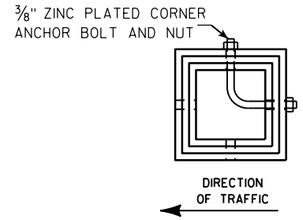


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

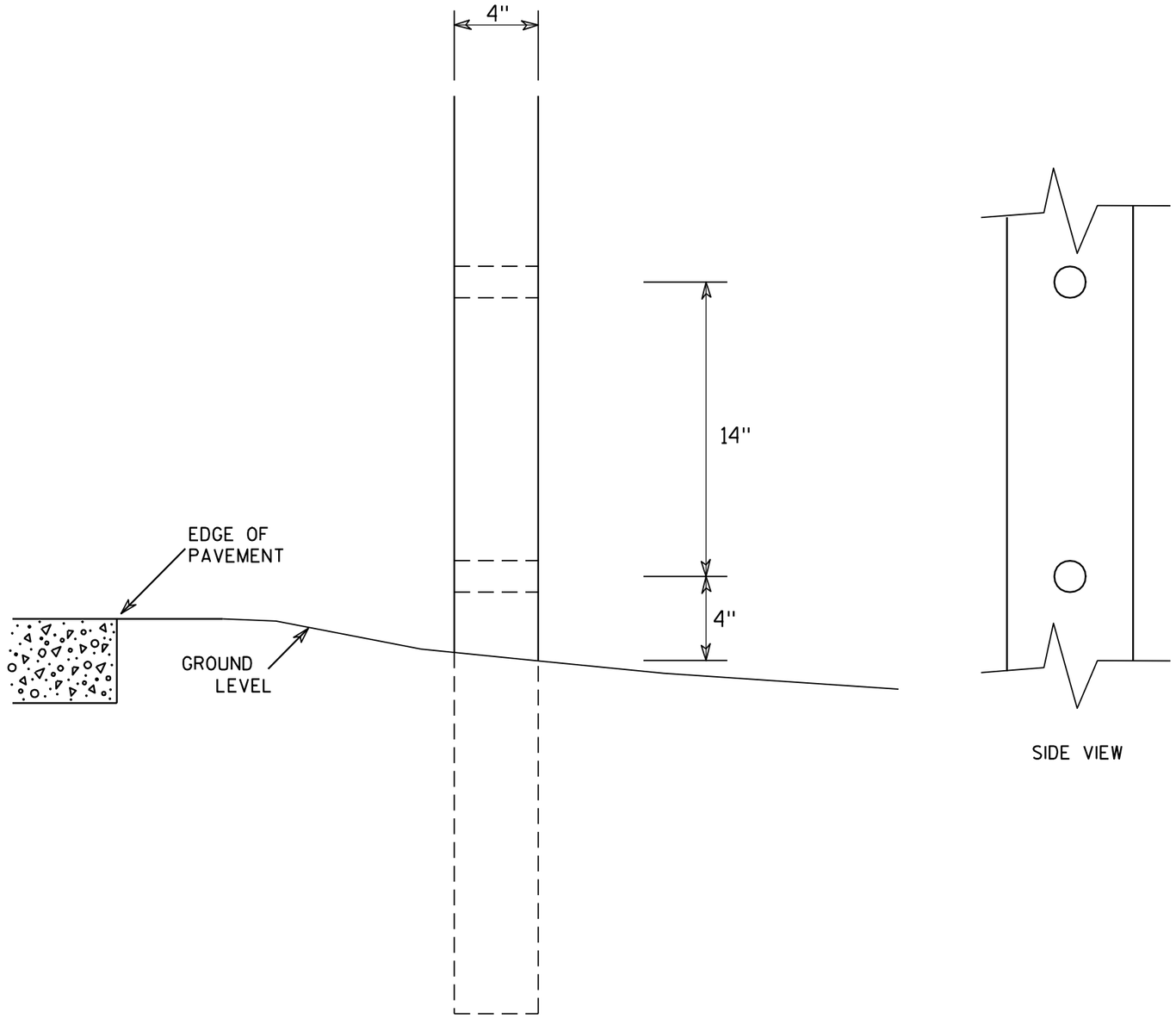
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 302 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

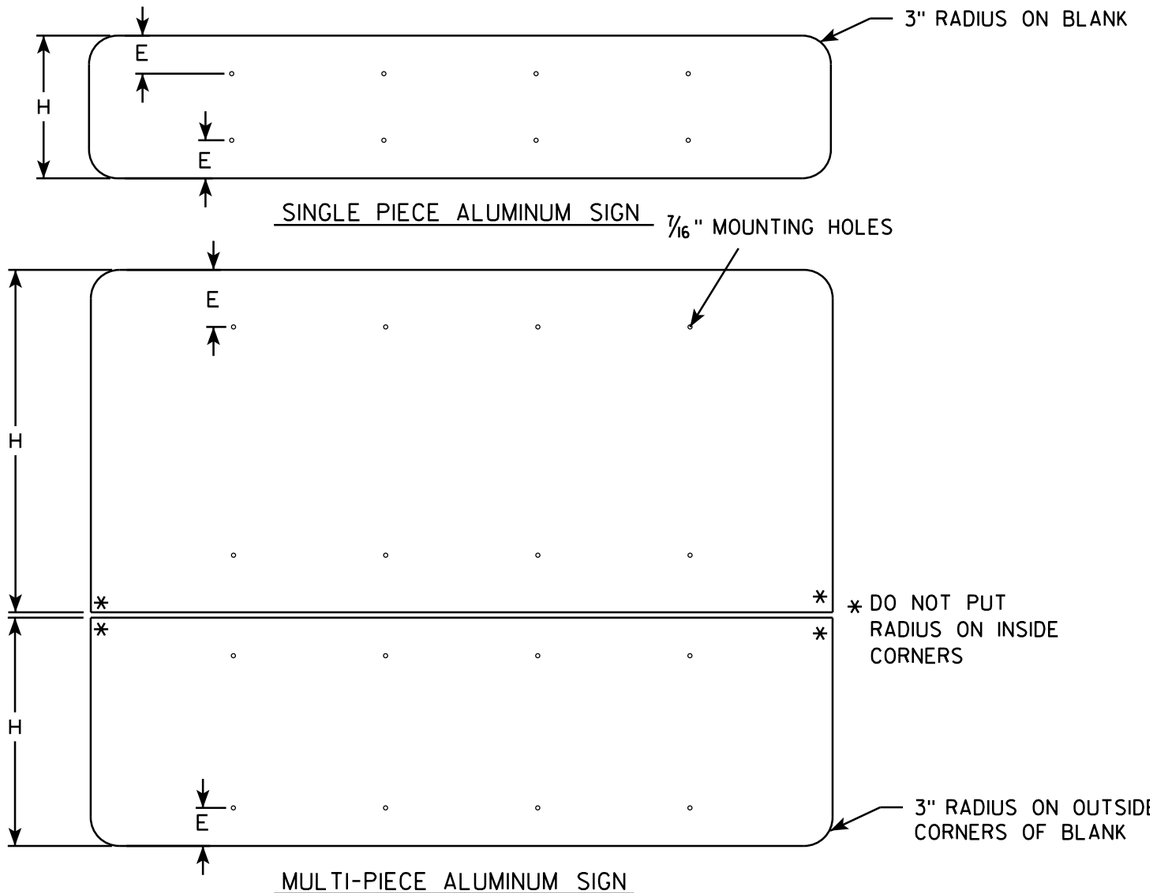
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

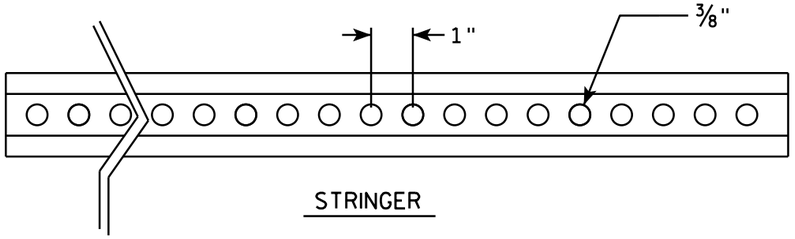
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 303	E



GENERAL NOTES

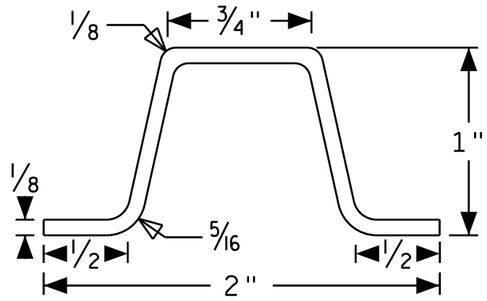
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

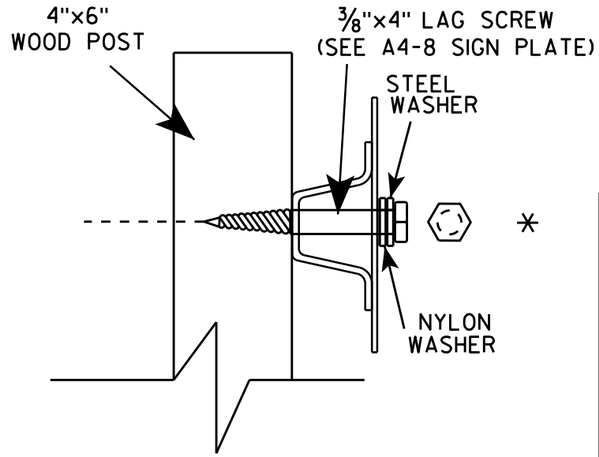


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

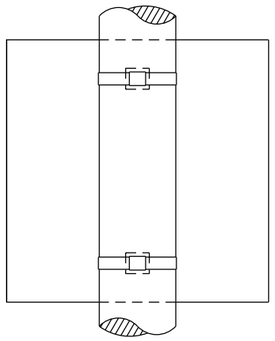
DATE 4/26/16 PLATE NO A4-18.1

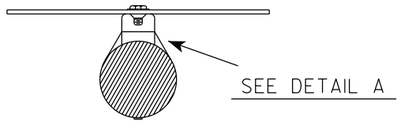
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

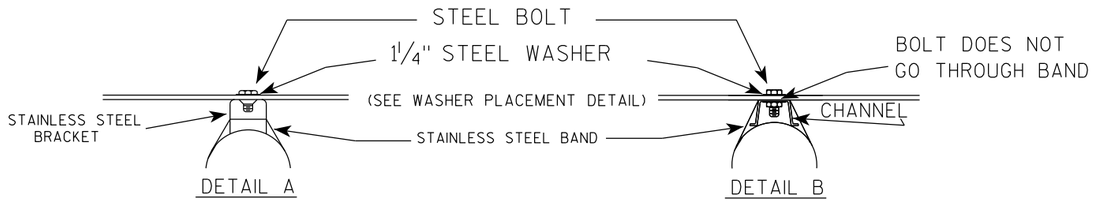
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

BANDING

SINGLE SIGN



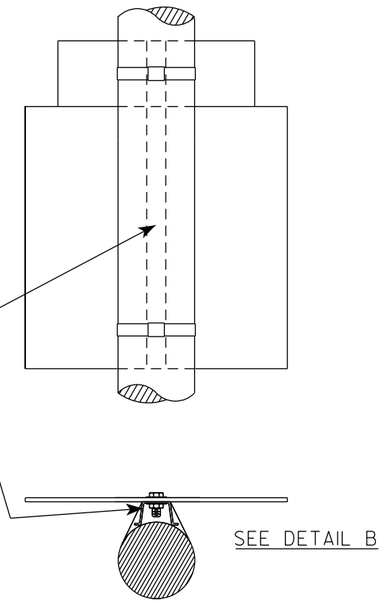




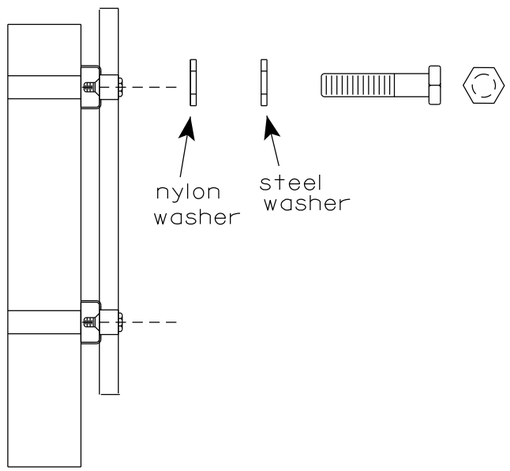
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

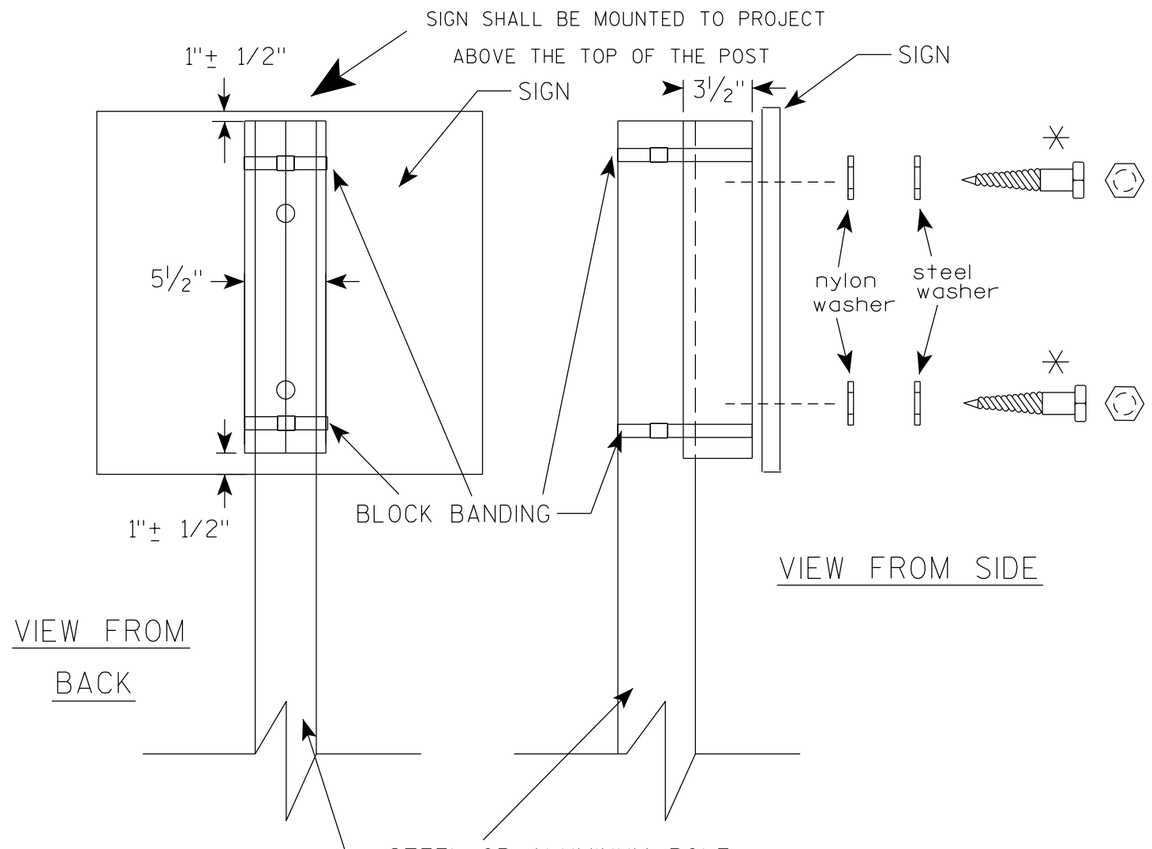
DATE 6/10/19 PLATE NO. A5-9.4

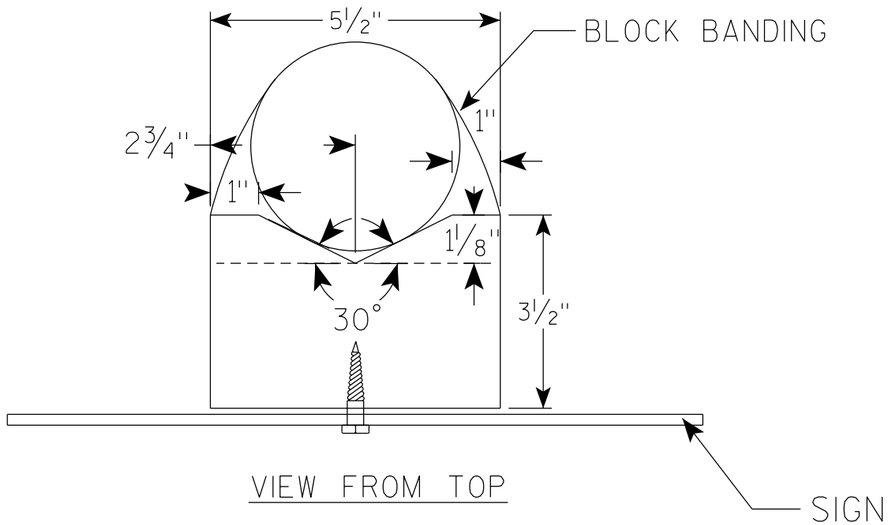
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 305	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

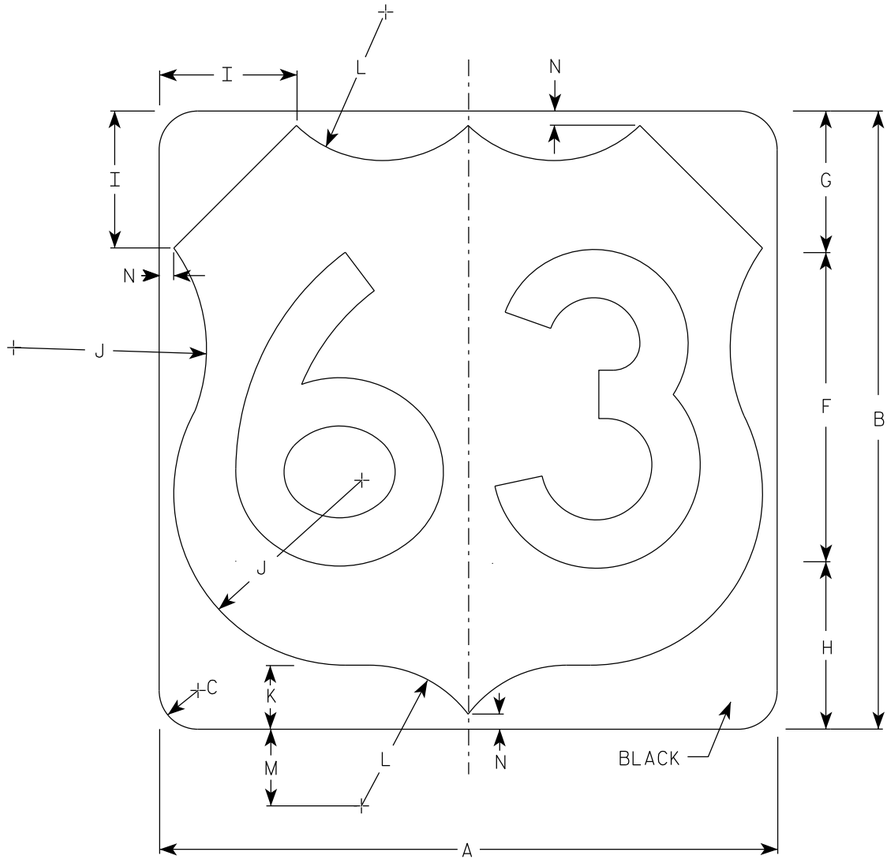
DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

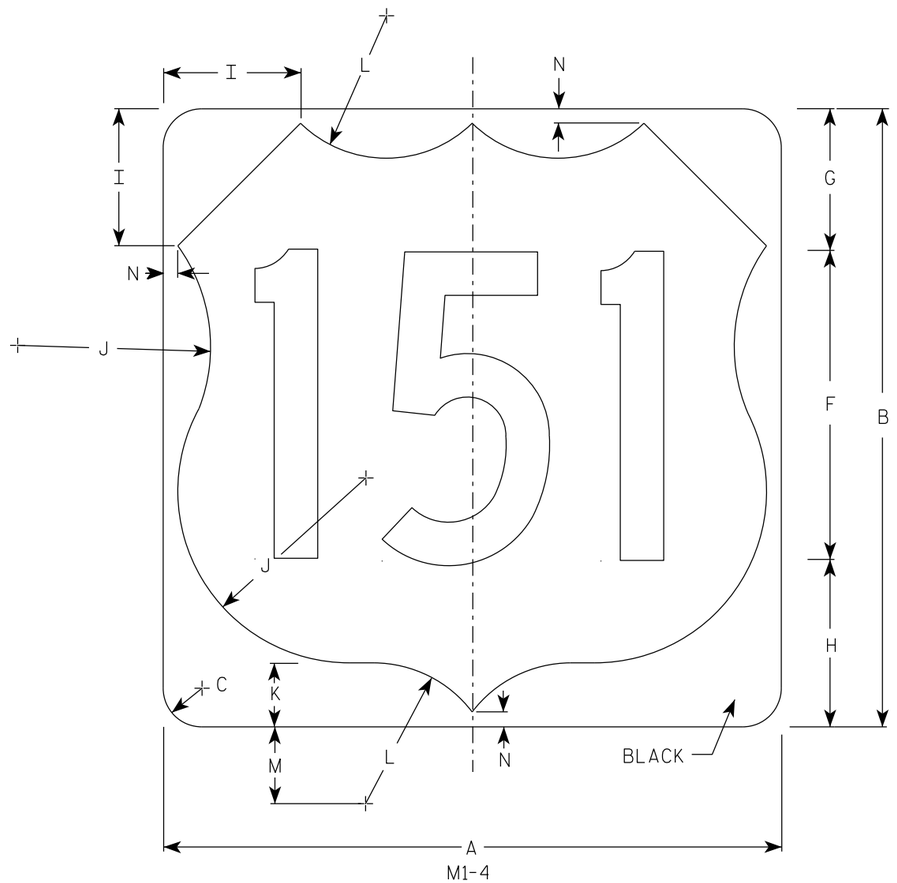
SHEET NO: 306 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C



M1-4



M1-4

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
2M	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0

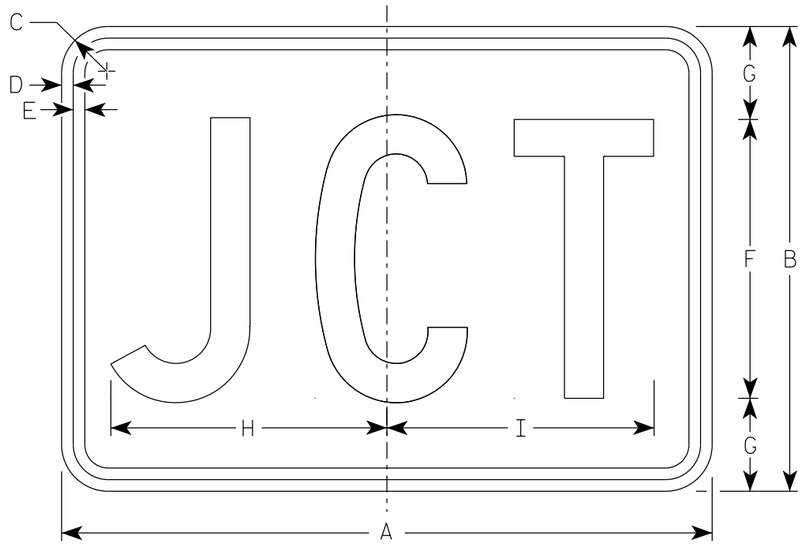
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

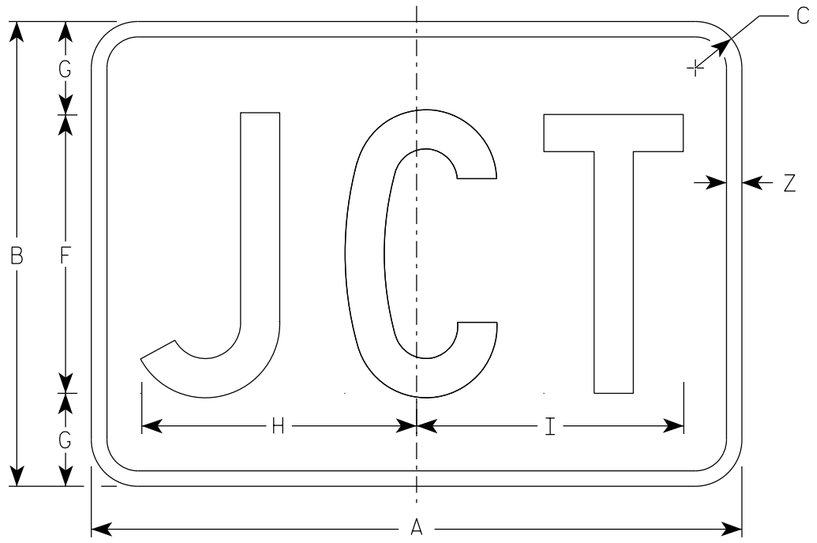
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/22 PLATE NO. M1-4.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 307 E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. 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																											
2S	21	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
2M	21	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
3	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
4	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
5	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40

STANDARD SIGN
M2-1

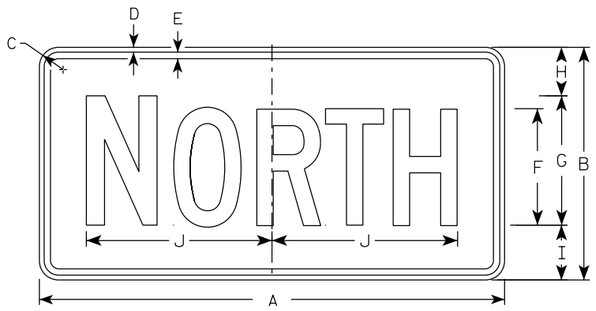
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

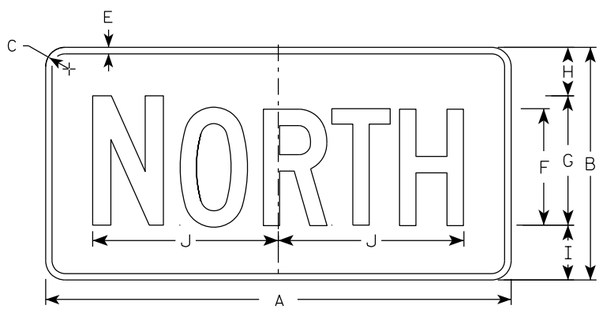
DATE 2/8/2023 PLATE NO. M2-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 308 | E

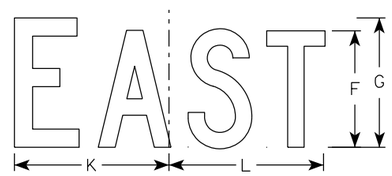
7



M3-1
MM3-1
MP3-1



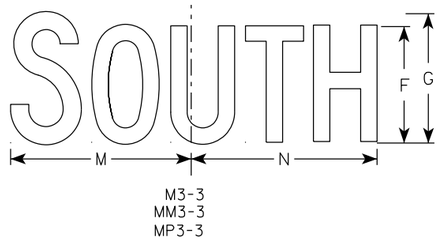
MB3-1
MK3-1
MN3-1



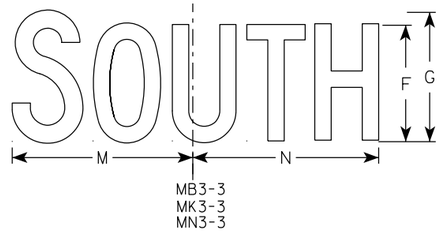
M3-2
MM3-2
MP3-2



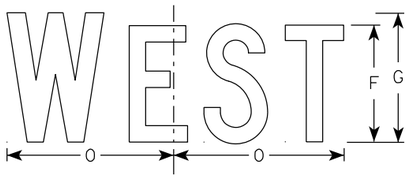
MB3-2
MK3-2
MN3-2



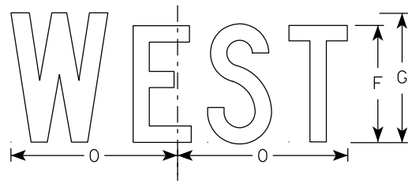
M3-3
MM3-3
MP3-3



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 Reflective
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																											
2S	24	12	1 1/2	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												2.00
2M	24	12	1 1/2	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												2.00
3	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
4	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
5	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5

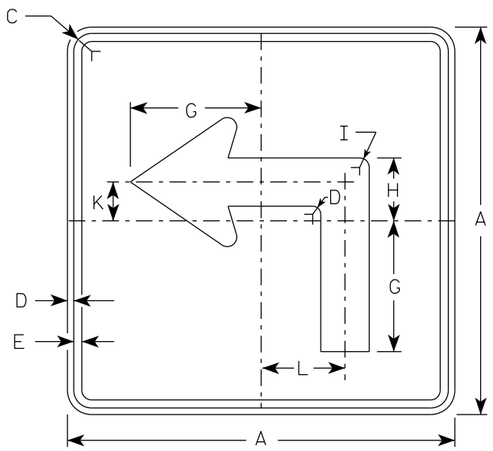
STANDARD SIGNS
M3-1 THRU M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

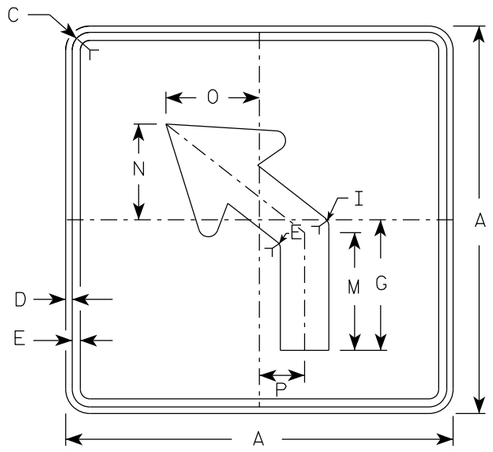
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/8/2023 PLATE NO. M3-1.15

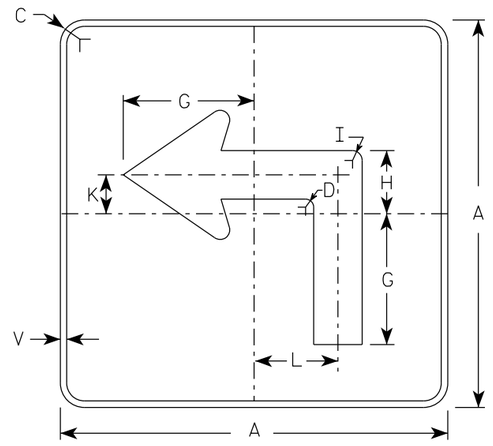
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 309 | E



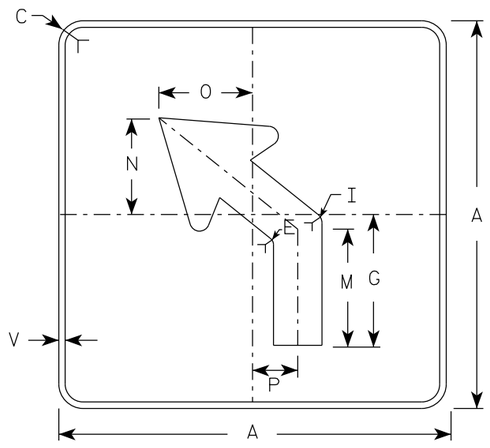
M5-1L
MM5-1L
MO5-1L
MP5-1L



M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L

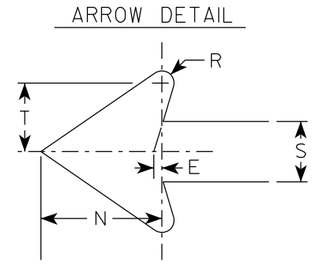


MB5-2L
MK5-2L
MN5-2L
MR5-2L

NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

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	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
2M	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
3	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
4	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
5	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25

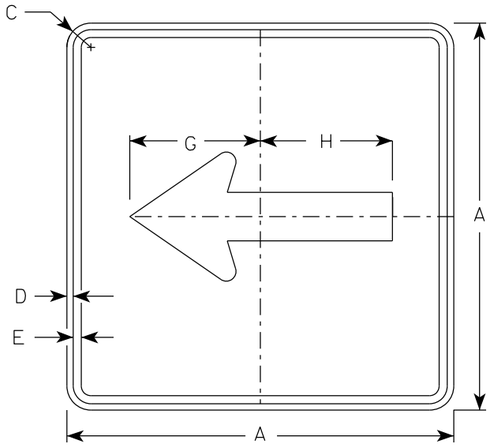
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

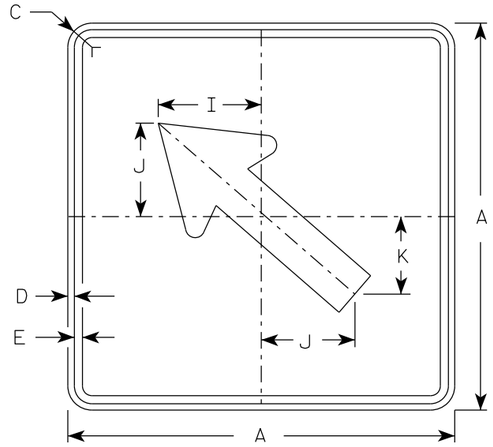
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

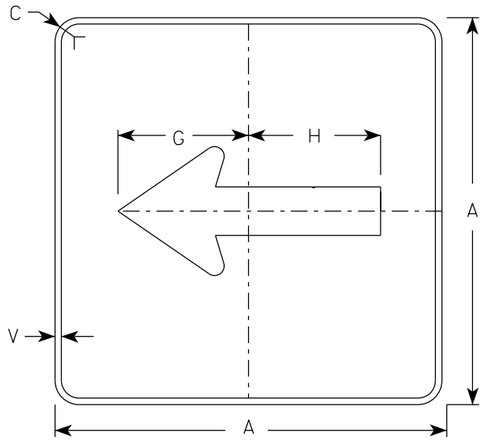
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 310 | E



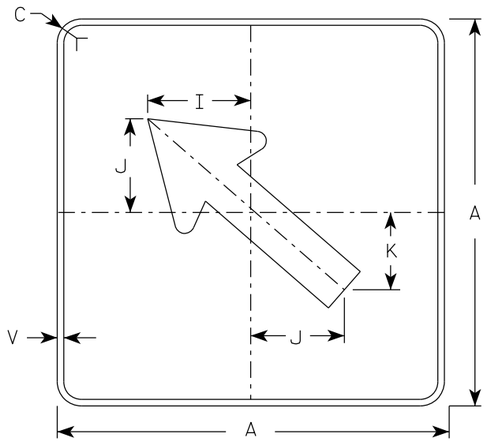
M6-1
MM6-1
MO6-1
MP6-1



M6-2
MM6-2
MO6-2
MP6-2



MB6-1
MK6-1
MN6-1
MR6-1

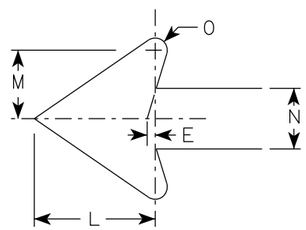


MB6-2
MK6-2
MN6-2
MR6-2

NOTES

1. Signs are Type II - Type H Reflective except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. 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

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	21		1 1/2	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							1/2					3.06
2M	21		1 1/2	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							1/2					3.06
3	30		1 7/8	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							1/2					6.25
4	30		1 7/8	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							1/2					6.25
5	30		1 7/8	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							1/2					6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

WISCONSIN DEPT OF TRANSPORTATION

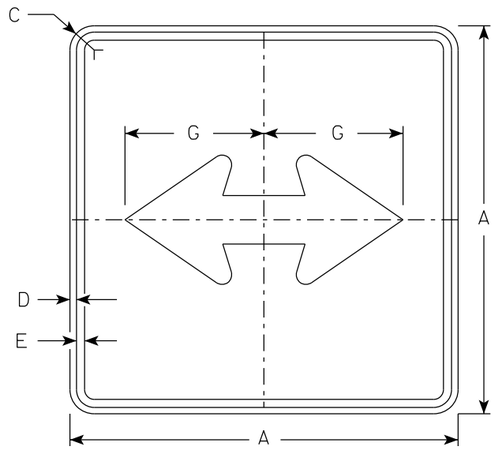
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-1.16

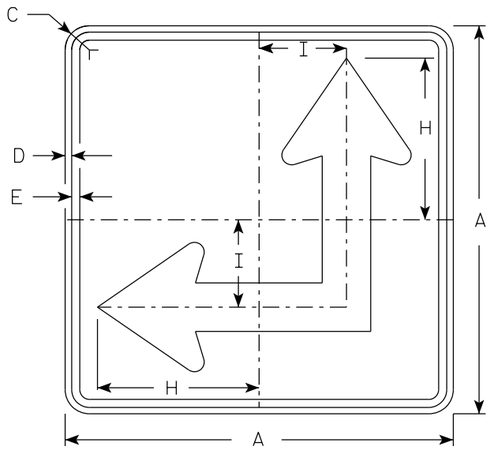
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 311 | E

7

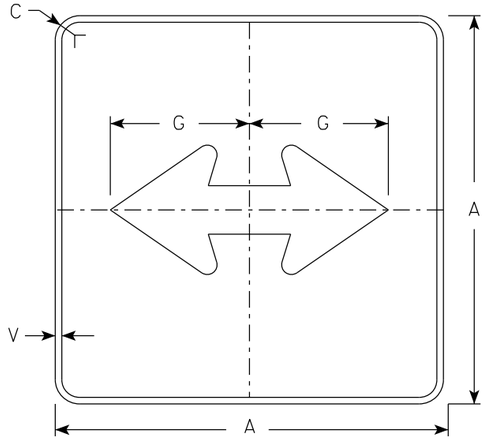
7



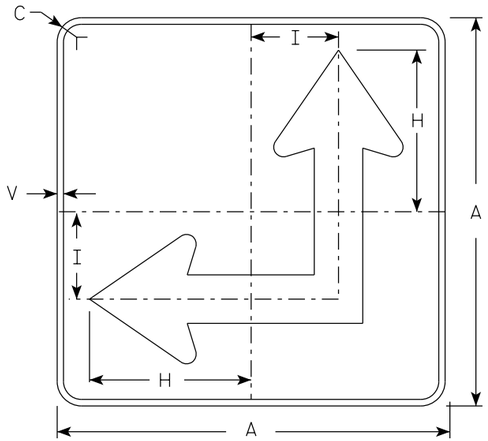
M6-4
MM6-4
MO6-4
MP6-4



M6-6
MM6-6
MO6-6
MP6-6



MB6-4
MK6-4
MN6-4
MR6-4

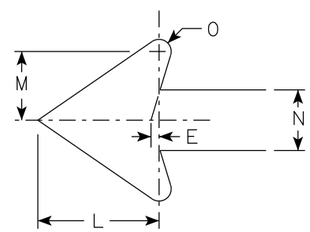


MB6-6
MK6-6
MN6-6
MR6-6

NOTES

1. Signs are Type II - Type H Reflective except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. 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.

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	21		1 1/2	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2							1/2					3.06
2M	21		1 1/2	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2							1/2					3.06
3	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
4	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
5	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2					6.25

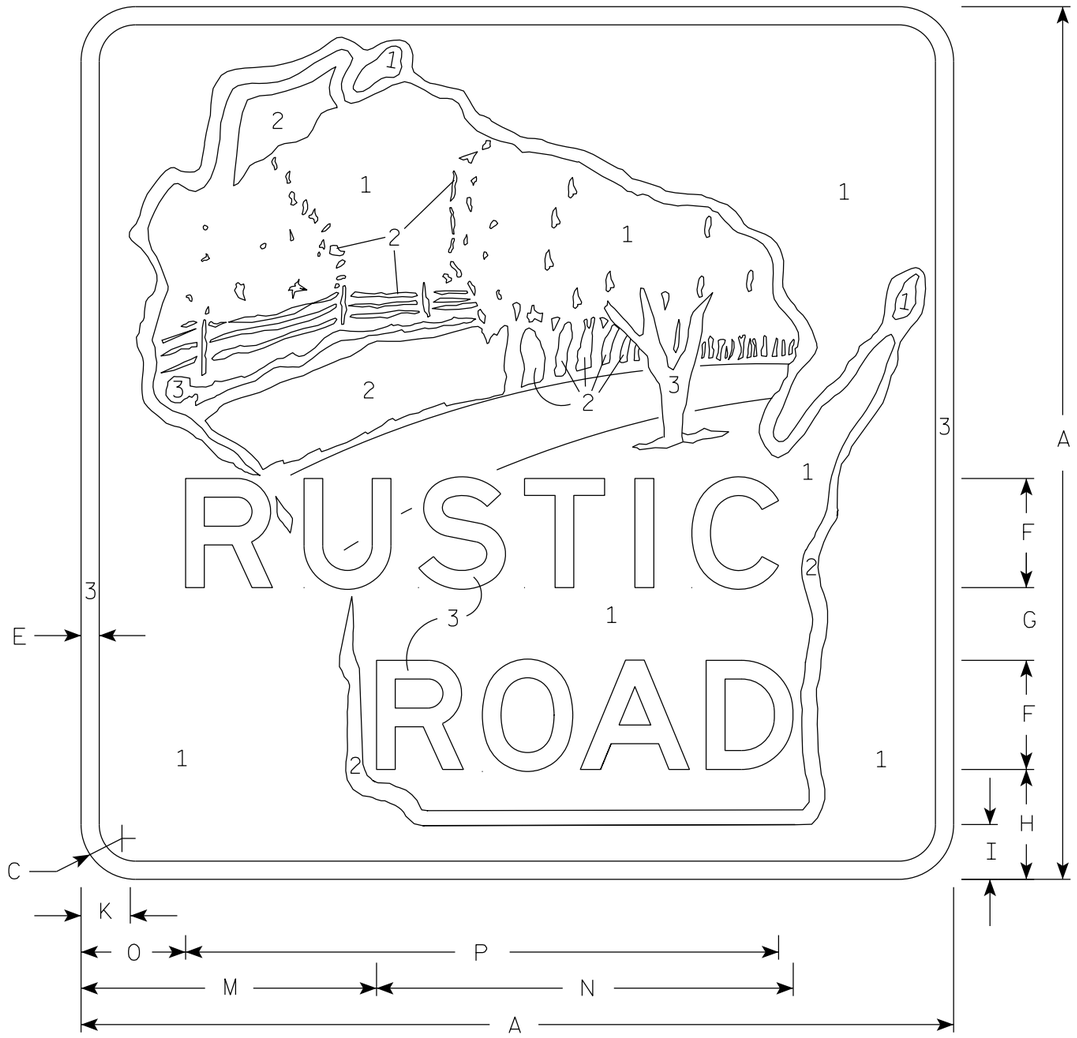
STANDARD SIGN
M6-4 & M6-6
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-4.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 312 | E



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 4
   Message - See note 4
3. Message Series - E Modified
4. The sign will be color coded by numerical designation Numeral *1 Brown
   2 White
   3 Yellow

   Exact color descriptions will be furnished upon request.

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 1/2		1/2	3	2	3	1 1/2		1 3/8		8 1/8	11 1/4	2 7/8	16 1/4											4.0
2M	24		1 1/2		1/2	3	2	3	1 1/2		1 3/8		8 1/8	11 1/4	2 7/8	16 1/4											4.0
3	36		2 1/4		3/4	4 1/2	3	4 1/2	2 1/4		2		12 1/8	17 1/4	4 3/8	24 1/2											9.0
4	36		2 1/4		3/4	4 1/2	3	4 1/2	2 1/4		2		12 1/8	17 1/4	4 3/8	24 1/2											9.0
5	36		2 1/4		3/4	4 1/2	3	4 1/2	2 1/4		2		12 1/8	17 1/4	4 3/8	24 1/2											9.0

STANDARD SIGN
MR1-99

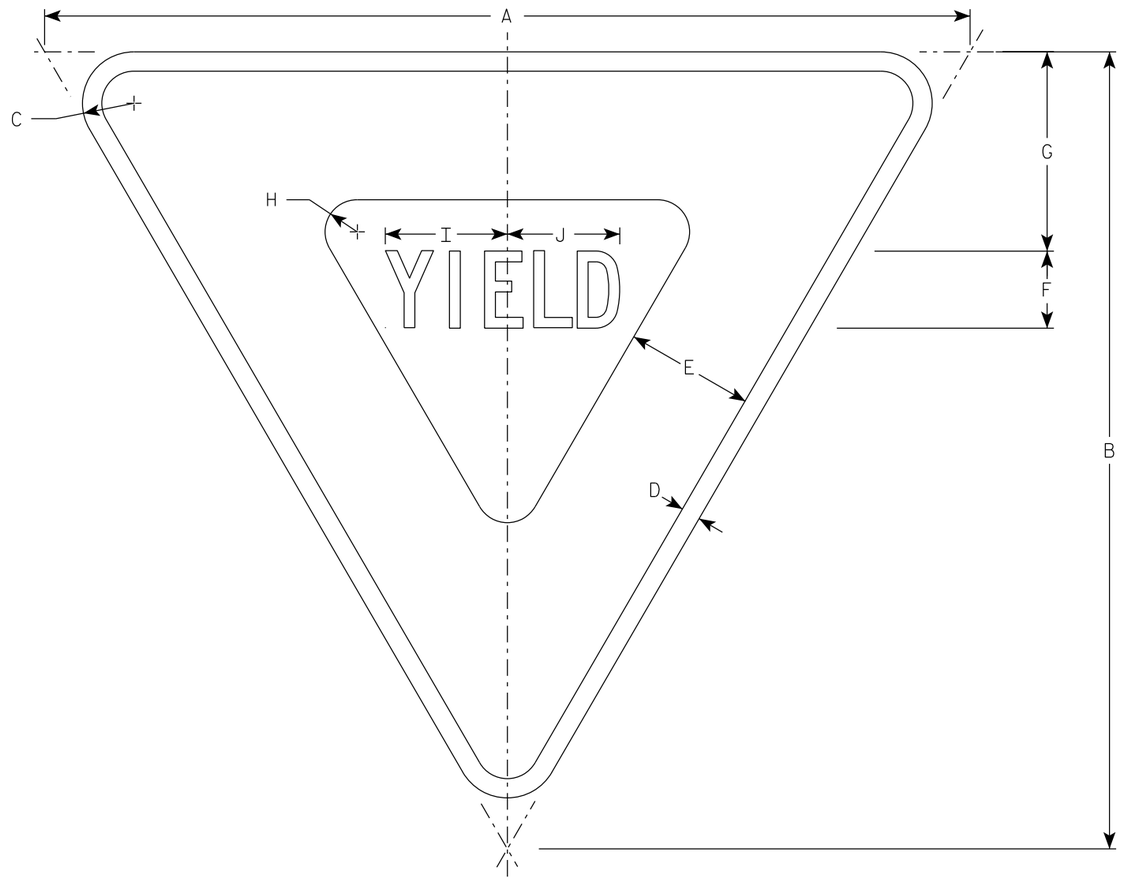
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. MR1-99.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\MR199.dgn PLOT DATE : 21-MARCH 2023 2:00 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



R1-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 4
3. Message Series - C
4. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

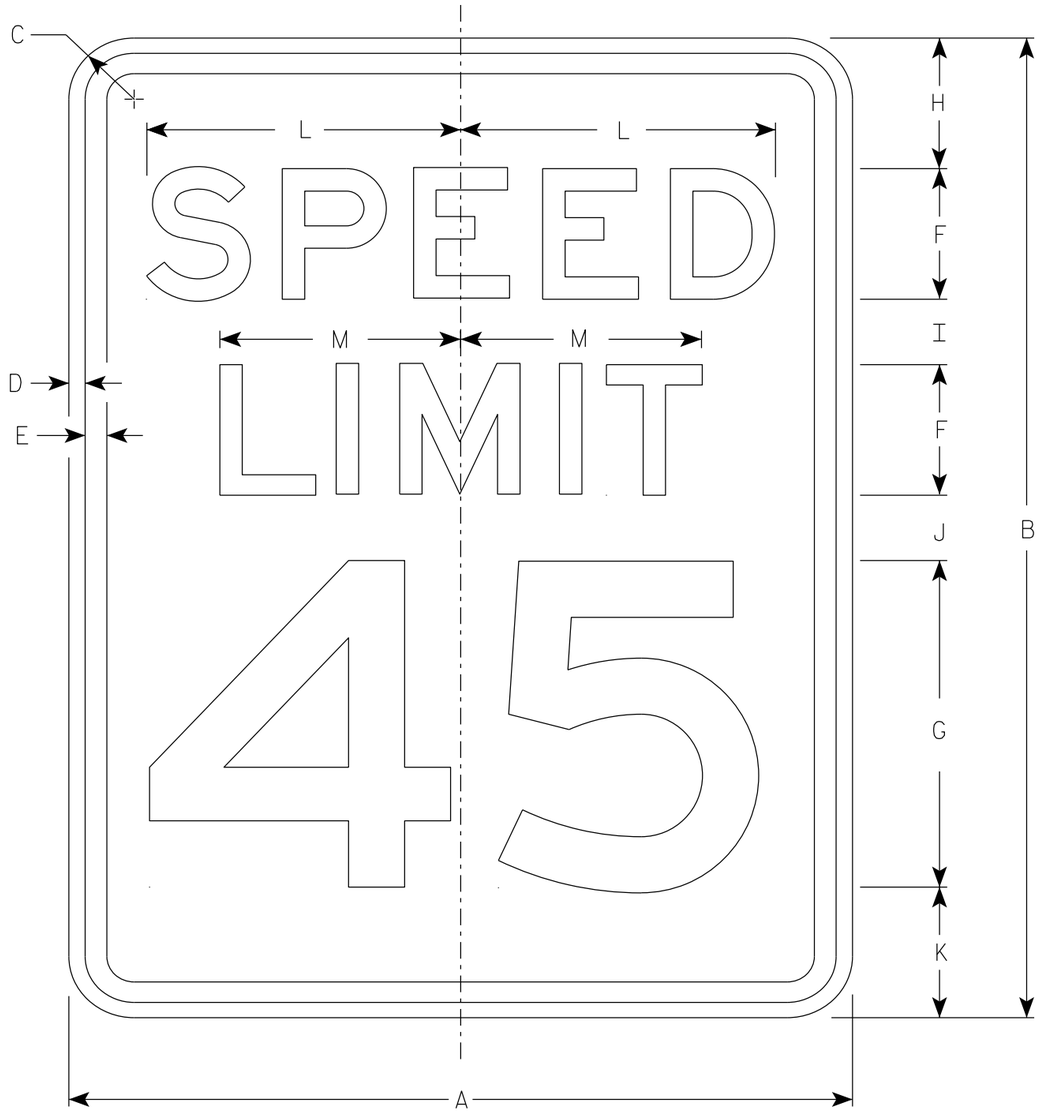
STANDARD SIGN
R1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/10/2024 PLATE NO. R1-2.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 314	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. 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 1/2	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/2	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 7/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	3	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

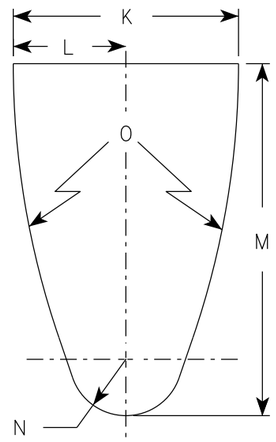
DATE 2/1/23 PLATE NO. R2-1.14

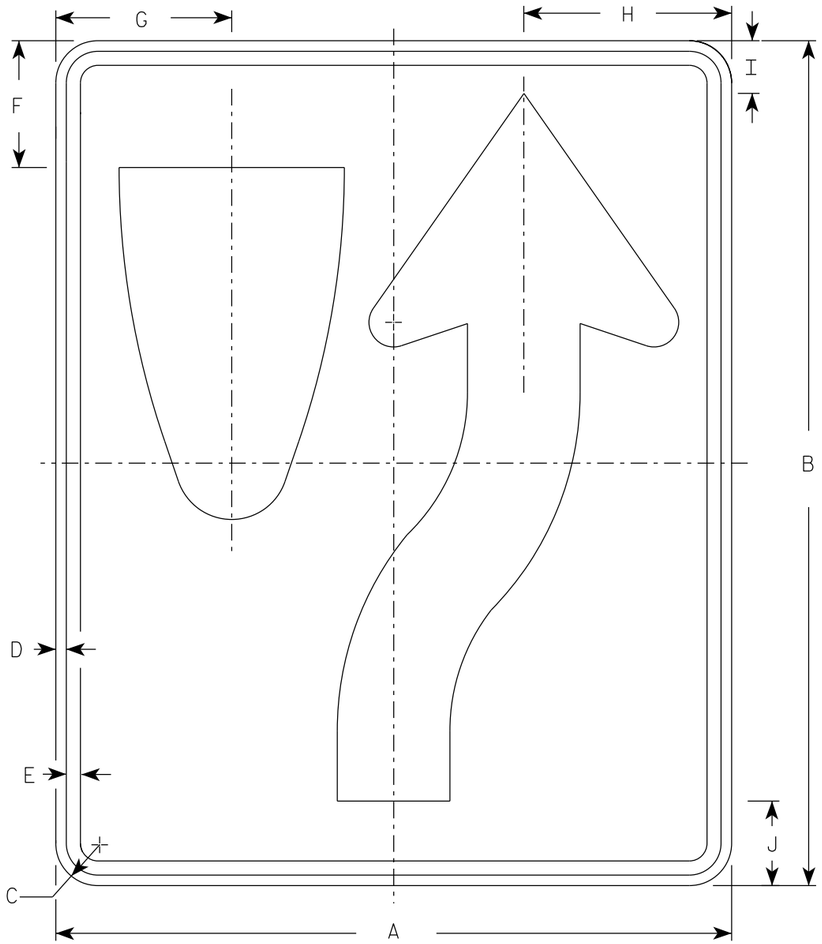
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 315 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. R4-8 is the same as R4-7 except Legend is reversed.

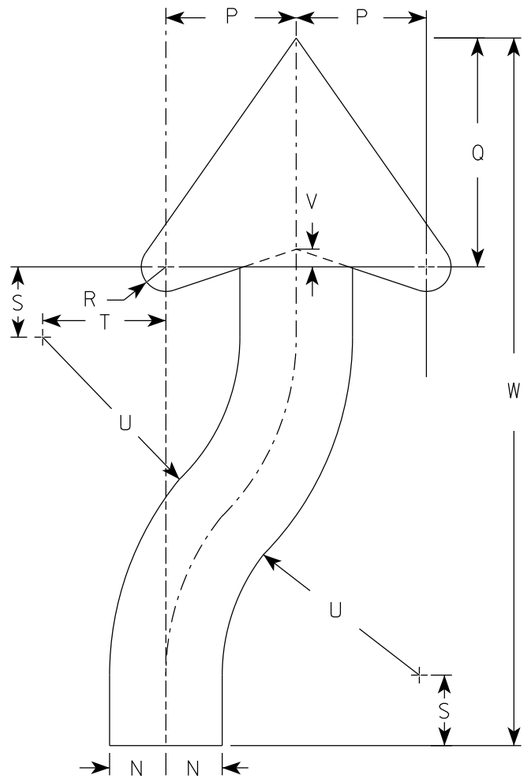
DIVIDER DETAIL





R4-7

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 1/2	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 1/2	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 1/2	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 7/8	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 7/8	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	3	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

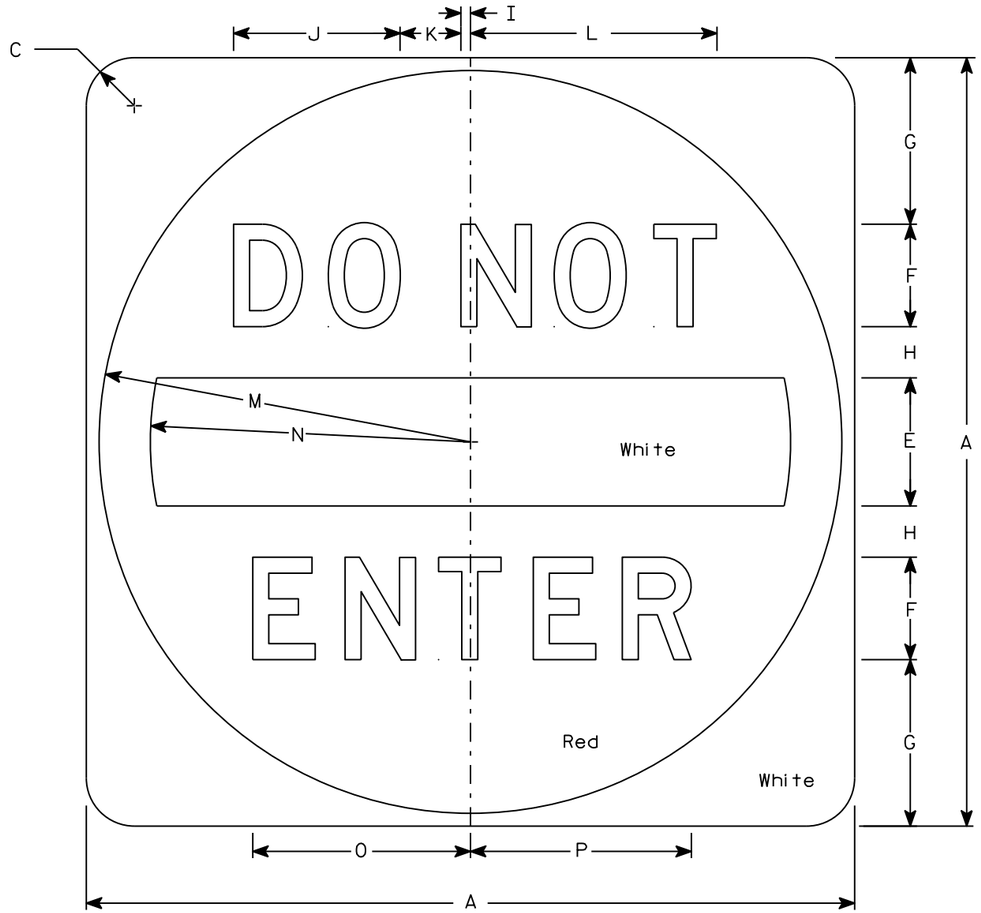
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 8/17/23 PLATE NO. R4-7.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 316	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

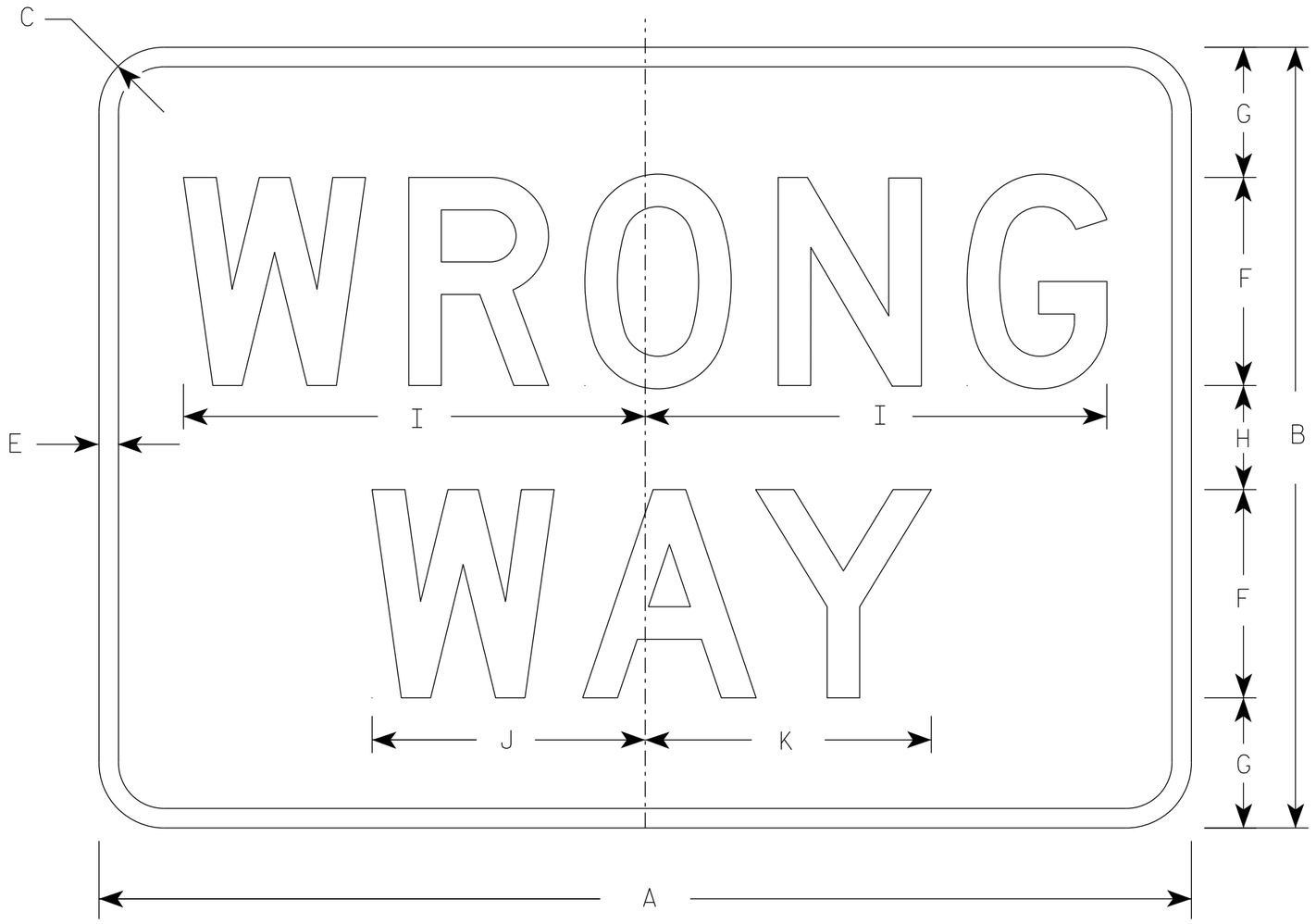
STANDARD SIGN
R5-1

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: 317 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Red
   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	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	1 1/2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75

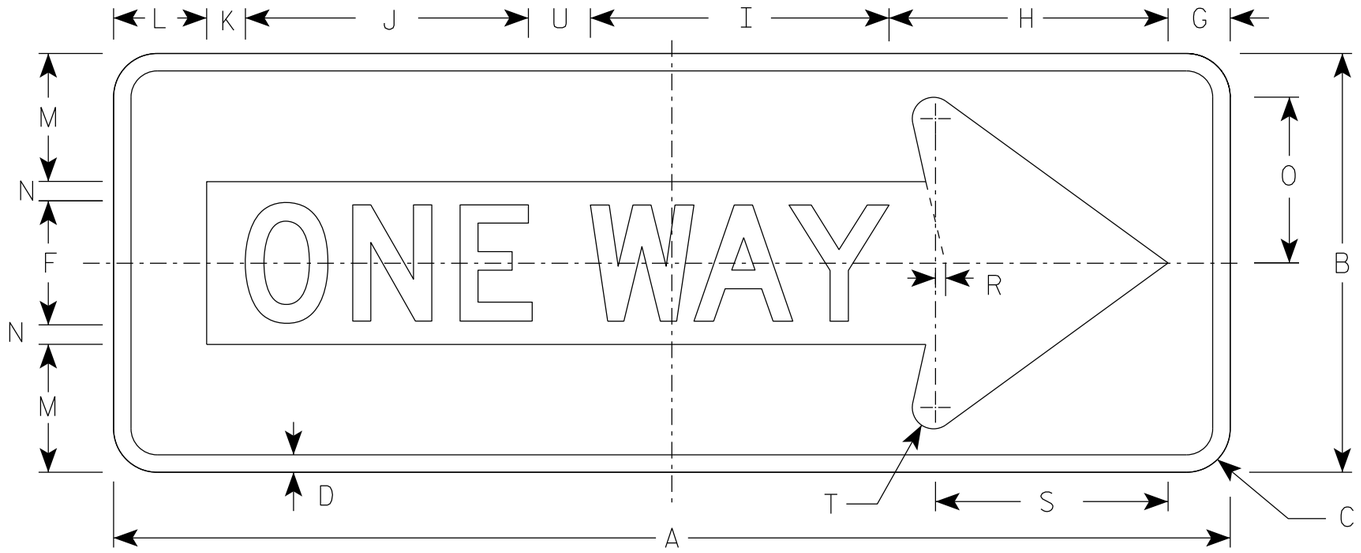
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

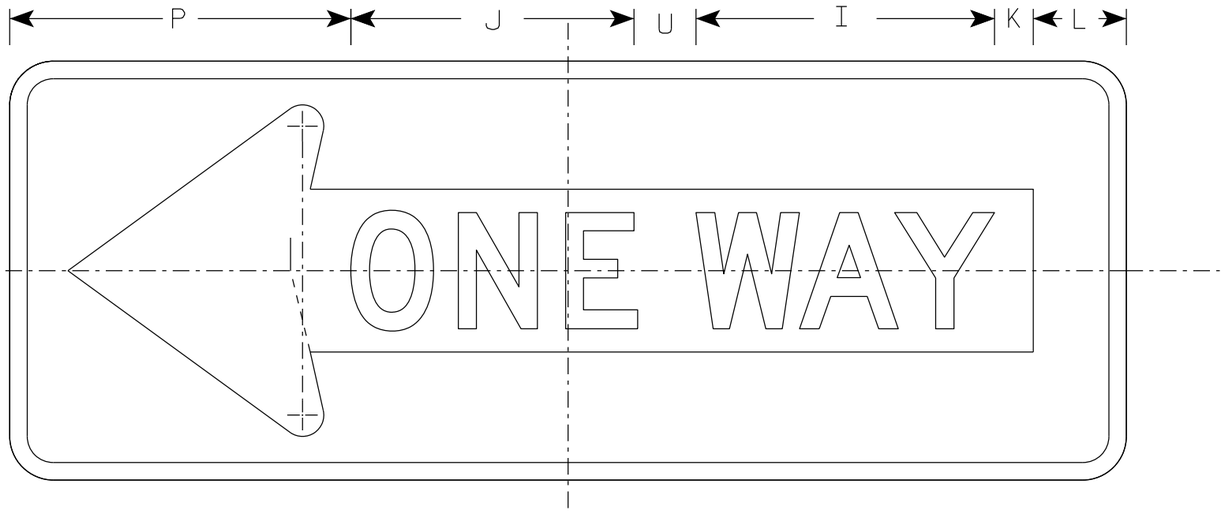
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/23 PLATE NO. R5-1A.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 318 | E



R6-1R



R6-1L

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Black
   Message - Black Legend & White Arrow & Border
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	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	3/4	2						3.0
2M	48	18	1 7/8	3/4		5	2 1/2	11	13	12 1/4	2 3/4	3 1/2	5 1/2	1	7 1/8	13 1/2		1/2	10 1/8	7/8	3						6.0
3	48	18	1 7/8	3/4		5	2 1/2	11	13	12 1/4	2 3/4	3 1/2	5 1/2	1	7 1/8	13 1/2		1/2	10 1/8	7/8	3						6.0
4	48	18	1 7/8	3/4		5	2 1/2	11	13	12 1/4	2 3/4	3 1/2	5 1/2	1	7 1/8	13 1/2		1/2	10 1/8	7/8	3						6.0
5																											

STANDARD SIGN
R6-1 L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/7/2025 PLATE NO. R6-1.5

PROJECT NO:

SHEET NO: 319 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R61.dgn PLOT DATE : 7-APR 2025 1:18 PLOT BY : dotc4c

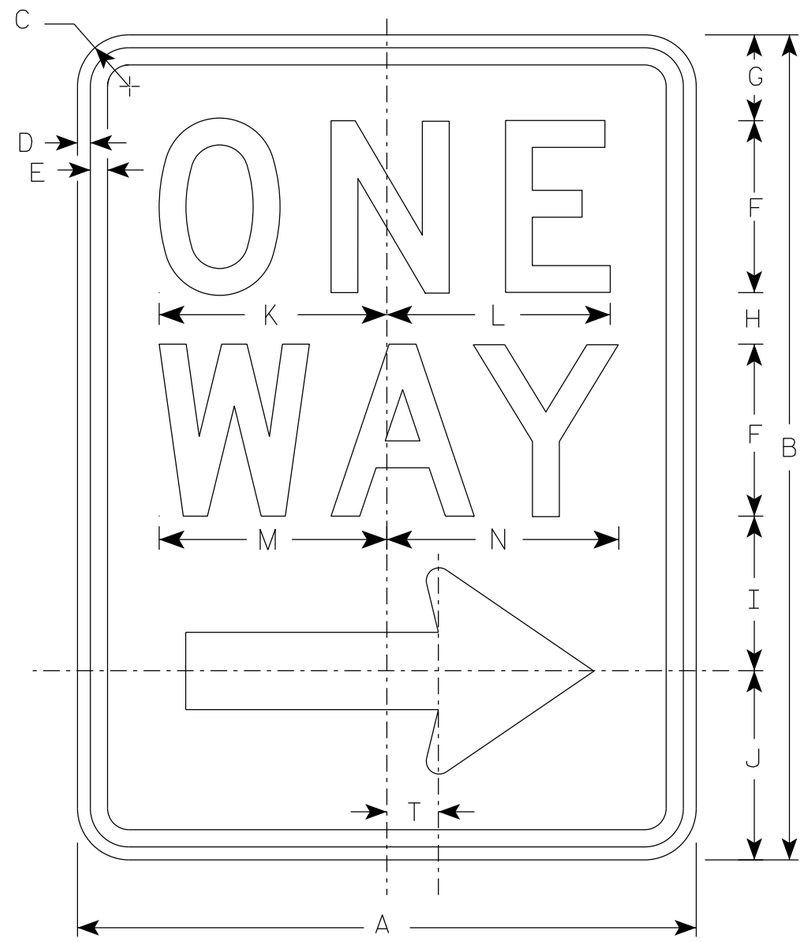
WISDOT/CADDS SHEET 42

7

7

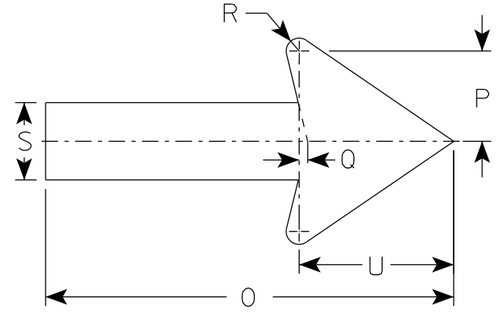
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. R6-2L same as R6-2R except arrow points to the left.



R6-2R

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
1	18	24	1 1/2	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	1 1/2	1 1/2	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 7/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

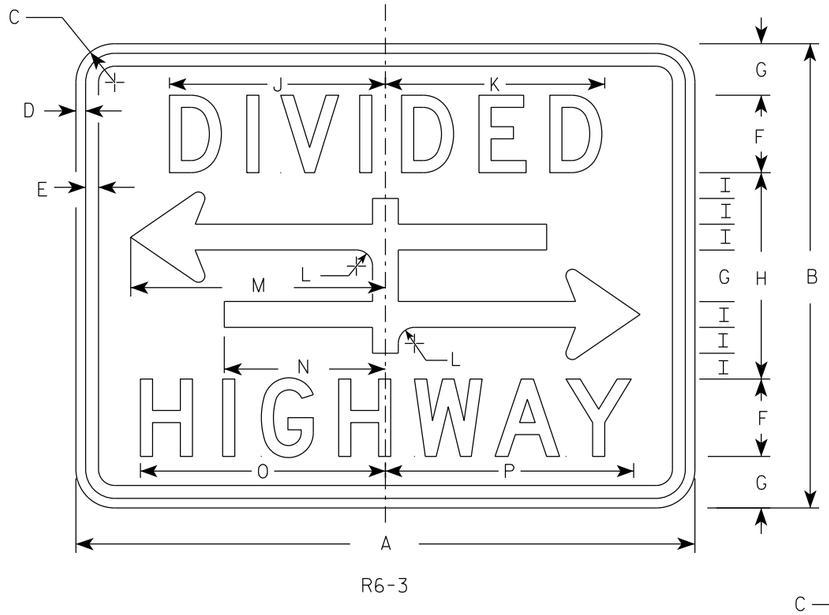
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

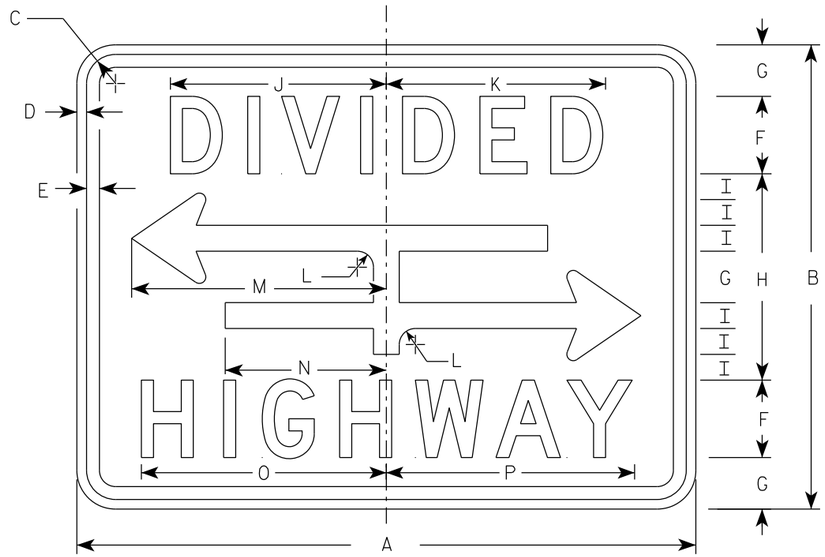
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

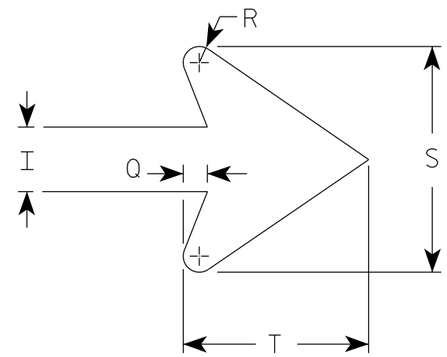
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 320	E



R6-3



R6-3A



ARROW DETAIL

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
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	24	1 1/2	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 1/2	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

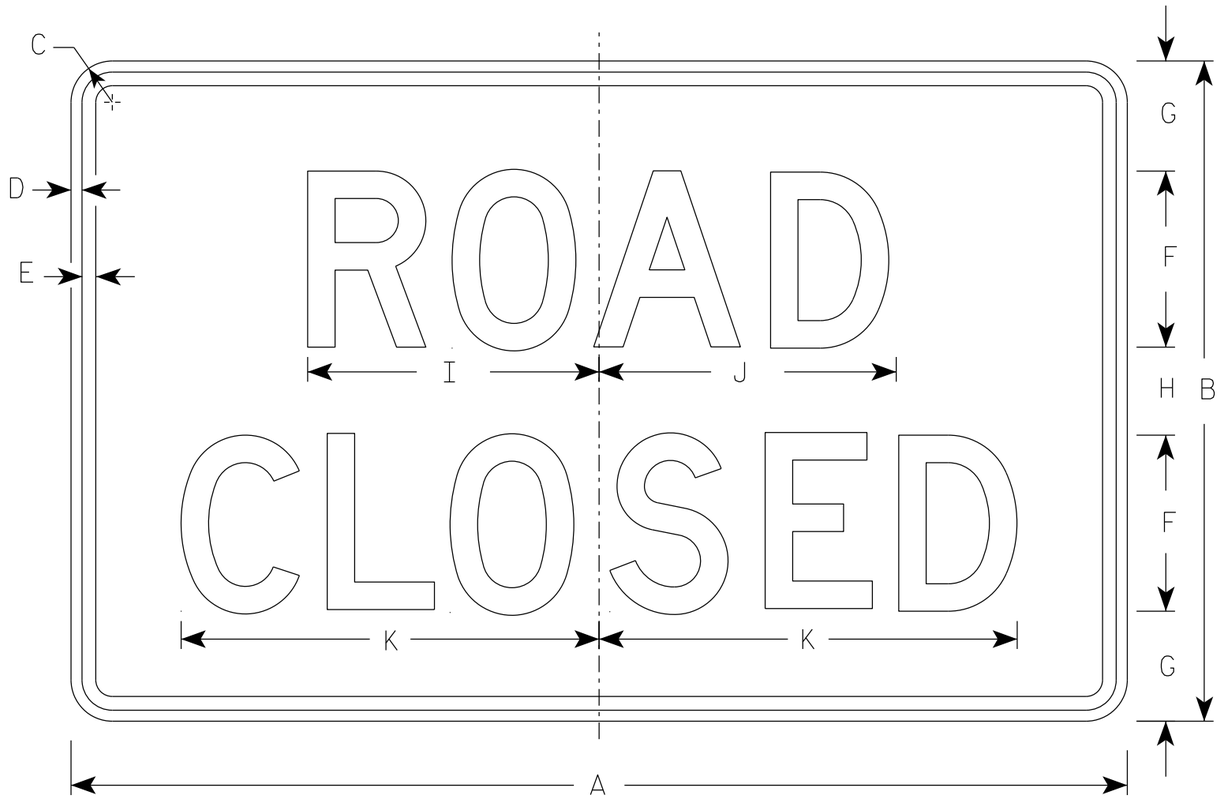
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/13/25 PLATE NO. R6-3.7

PROJECT NO:

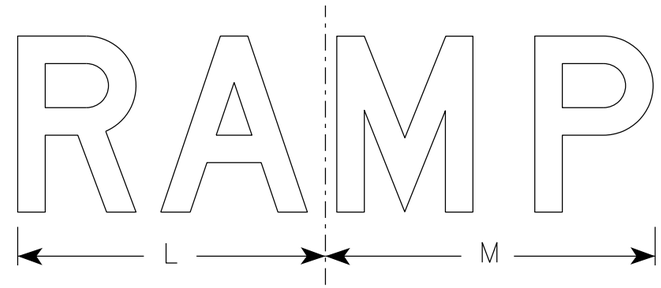
SHEET NO: 321 E



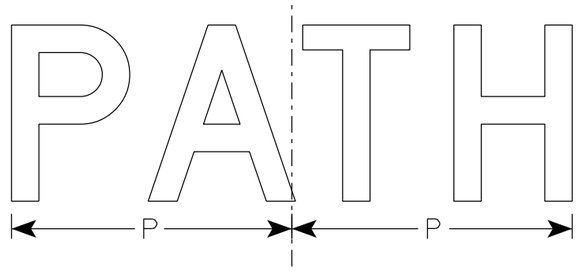
R11-2

NOTES

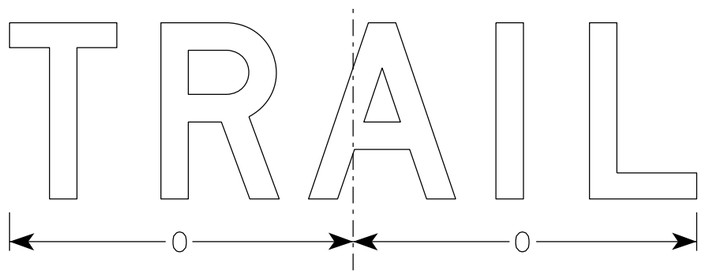
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



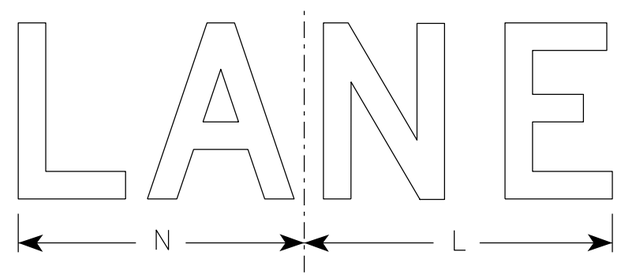
R11-2R



R11-2C



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 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8	12 3/4											10.0
2M	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8	12 3/4											10.0
3	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8	12 3/4											10.0
4	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8	12 3/4											10.0
5	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8	12 3/4											10.0

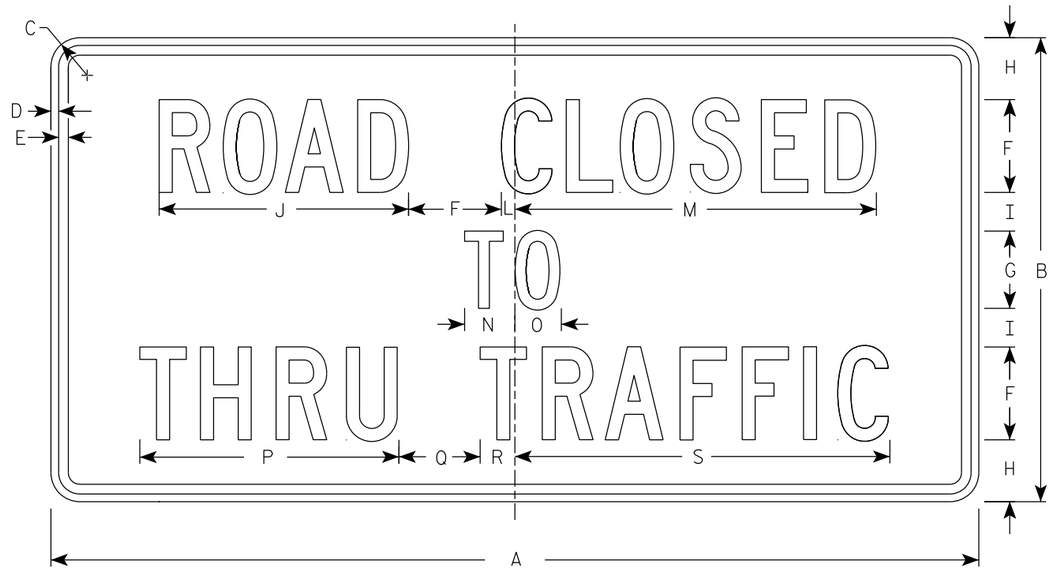
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/3/26 PLATE NO. R11-2.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



R11-4

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.

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 7/8	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 7/8	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																											

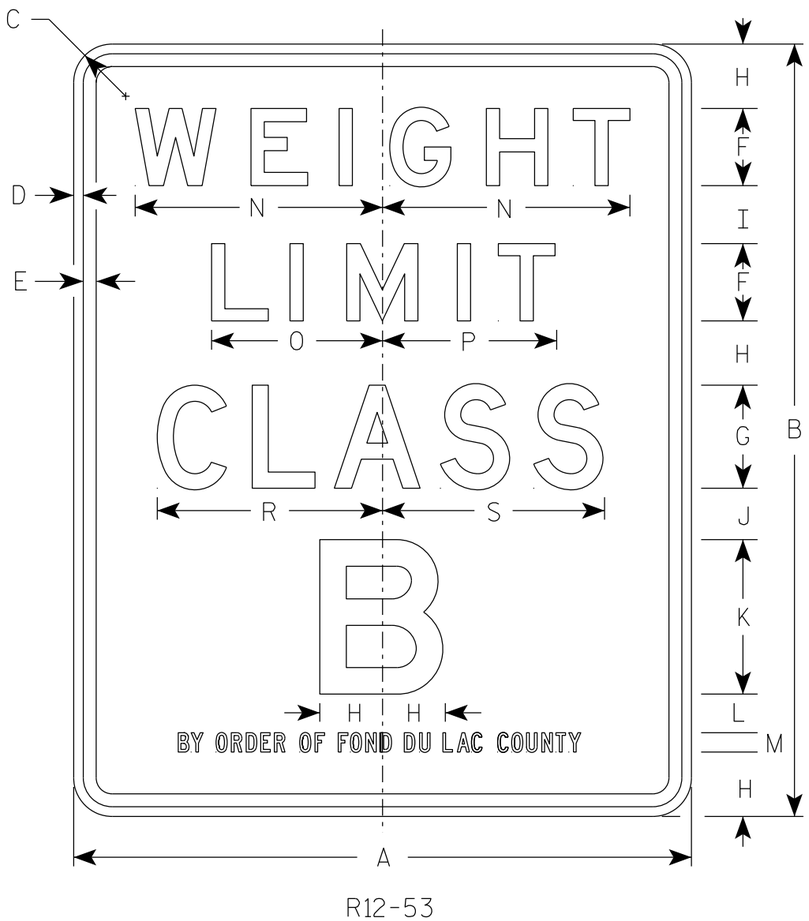
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-4.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 323 | E



R12-53

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - Lines 1, 2 & 4 are Series E.
   Line 3 is Series D.
   Line 5 is Series C.
4. Line 5 of the sign shall vary with the name of the maintaining authority.

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	30	1 1/2	3/8	1/2	3	4	2 1/2	2 1/4	2	6	1 1/2	3/4	9 5/8	6 5/8	6 3/4		8 3/4	8 5/8								5.0
2M	24	30	1 1/2	3/8	1/2	3	4	2 1/2	2 1/4	2	6	1 1/2	3/4	9 5/8	6 5/8	6 3/4		8 3/4	8 5/8								5.0
3																											
4																											
5																											

STANDARD SIGN
R12-53

WISCONSIN DEPT OF TRANSPORTATION

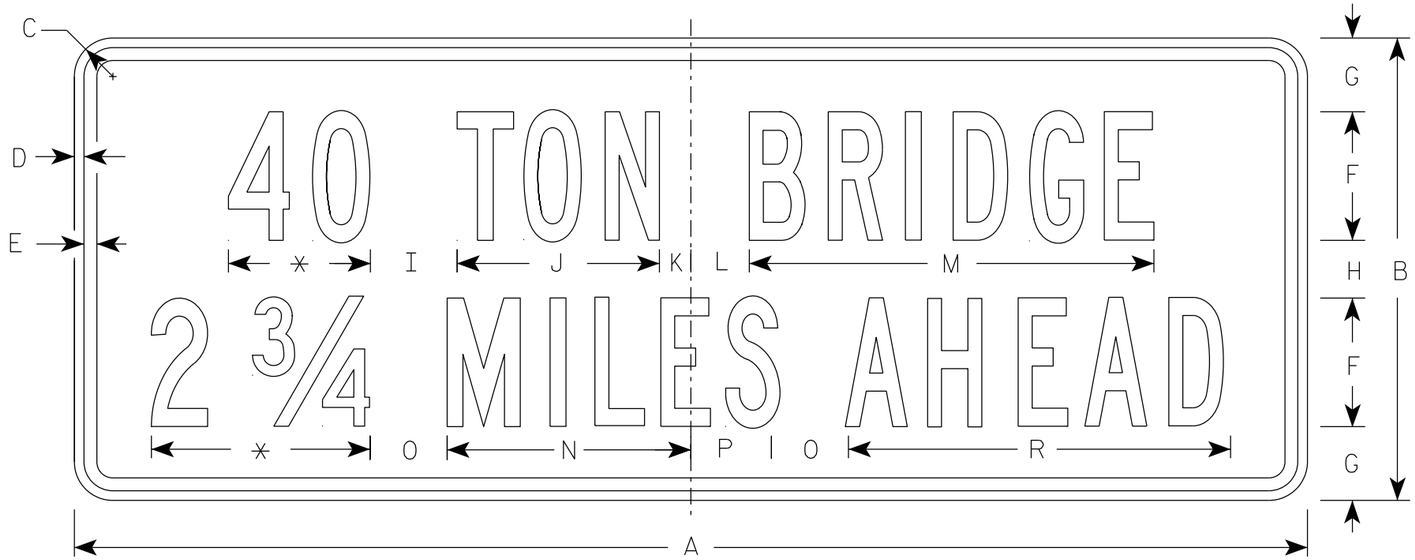
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/8/24 PLATE NO. R12-53.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 324 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - B for Size 2, Series D for Sizes 3 & 4
4. Corners and border shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



* Varies

R12-55

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	18	1 1/2	3/8	1/2	5	2 7/8	2 1/4	3 3/8	7 7/8	1 1/4	2 1/4	15 3/4	9 1/2	3	3 1/8		14 7/8									6.0
2M	48	18	1 1/2	3/8	1/2	5	2 7/8	2 1/4	3 3/8	7 7/8	1 1/4	2 1/4	15 3/4	9 1/2	3	3 1/8		14 7/8									6.0
3	90	24	3	3/4	1	6	4	4	6	15 1/4	2 1/2	3 1/2	30 5/8	18 3/8	6	6 1/4		28 3/8									15.0
4	120	30	3	3/4	1	8	5 1/4	3 5/8	8	19 5/8	4	3	39 1/2	24 1/2	7	6 3/4		36 3/8									25.0
5	120	30	3	3/4	1	8	5 1/4	3 5/8	8	19 5/8	4	3	39 1/2	24 1/2	7	6 3/4		36 3/8									25.0

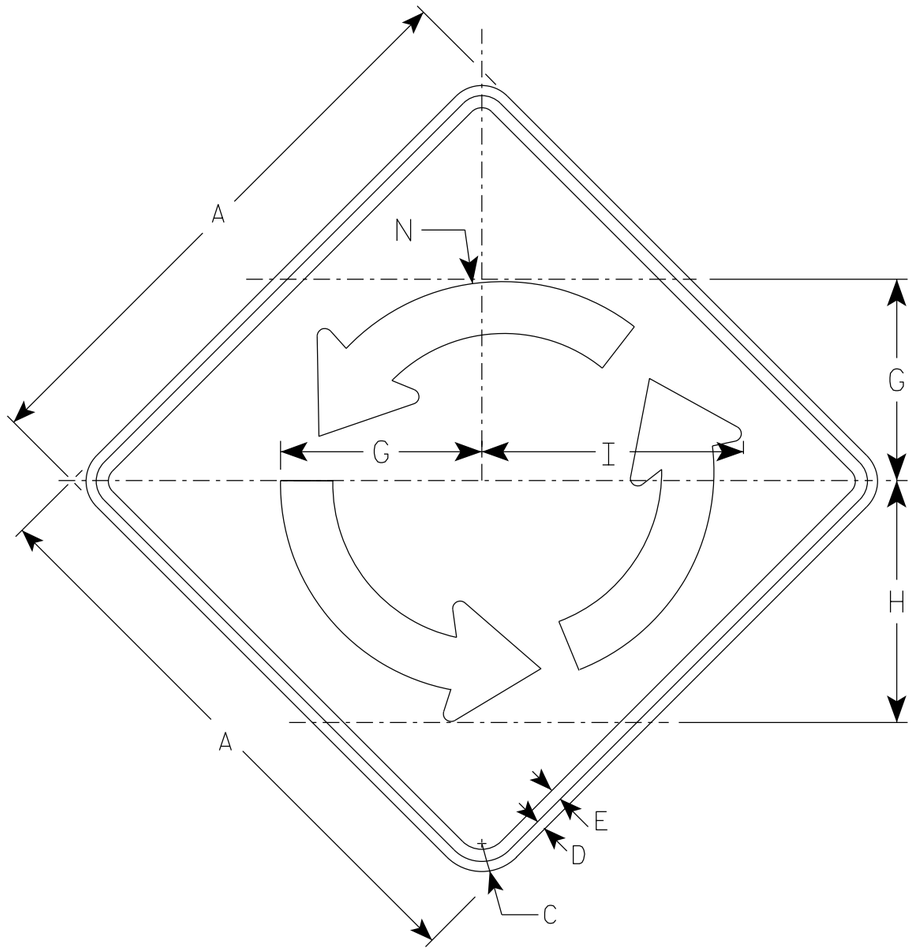
STANDARD SIGN
R12-55

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/24 PLATE NO. R12-55.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 325 E

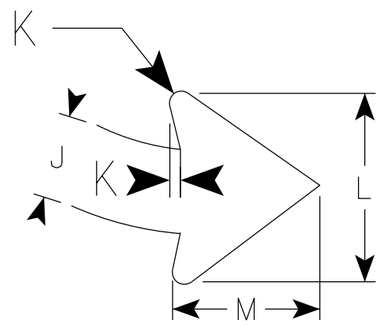


W2-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

Arrow Detail



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Area sq. ft.
1																									
2S	30		1 7/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
2M	30		1 7/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
3	36		2 1/4	5/8	3/4		12 1/2	15	16 1/4	3 1/4	1/2	7 3/8	5 3/4	13 3/8											9.00
4	48		3	3/4	1		16 5/8	20	16 1/4	4 3/8	5/8	9 3/4	7 5/8	17 7/8											16.0
5																									

STANDARD SIGN
W2-6

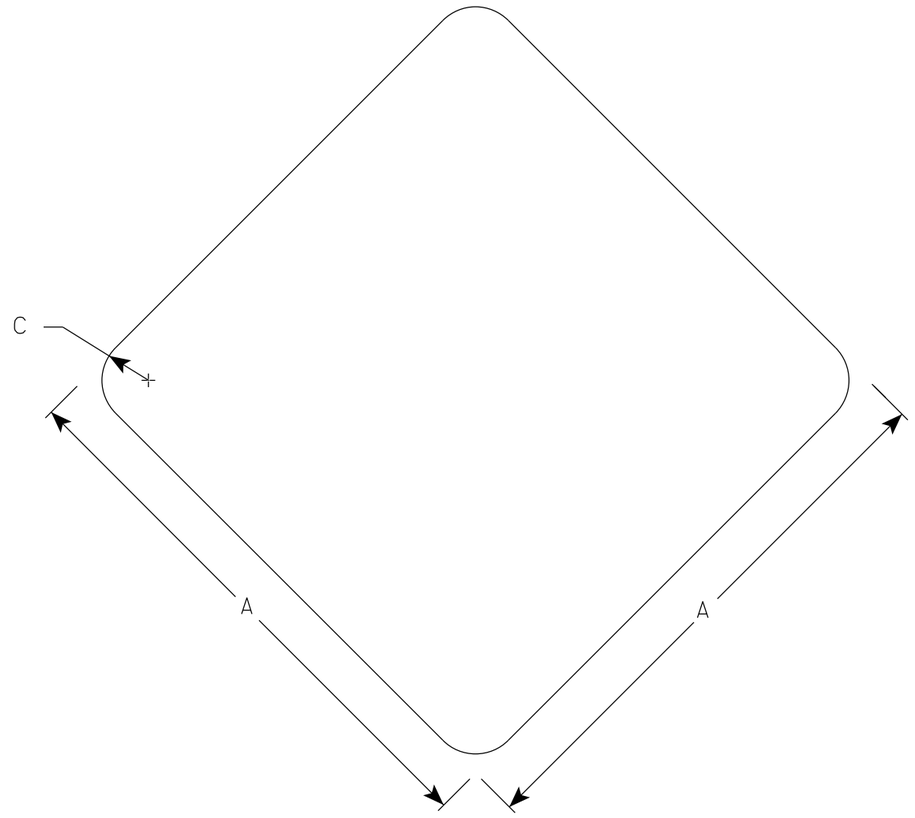
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/2023 PLATE NO. W2-6.8

PROJECT NO:

SHEET NO: 326 E



W5-54

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - 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	12		1 ½																								1.0
2S	18		1 ½																								2.25
2M	18		1 ½																								2.25
3																											
4																											
5																											

STANDARD SIGN
W5-54

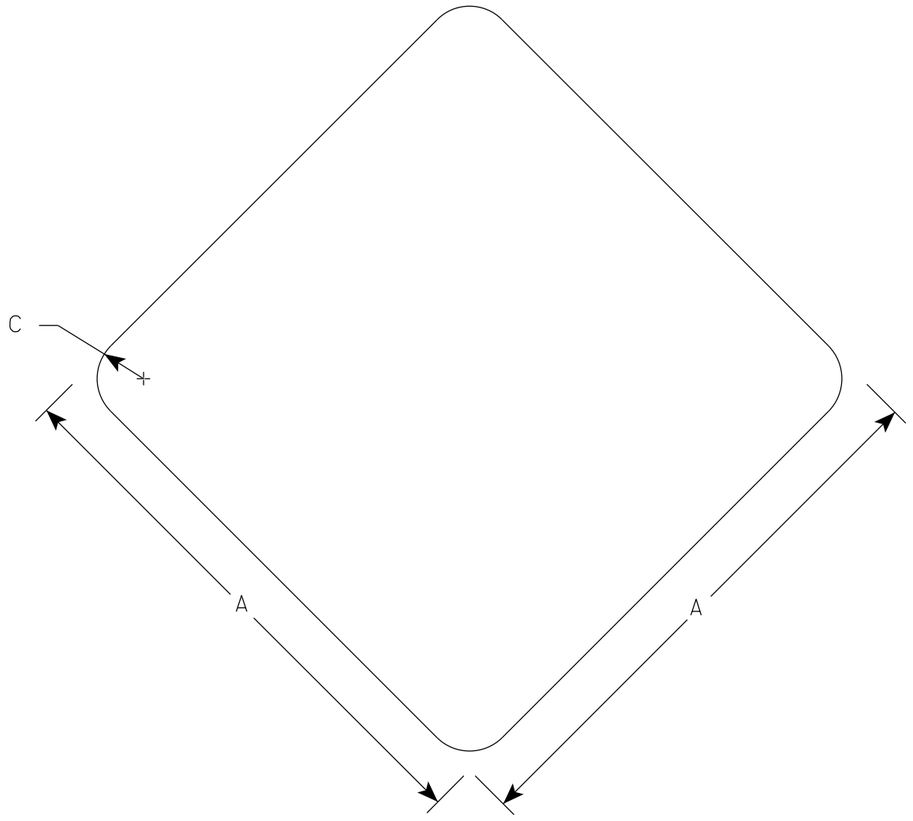
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/5/2024 PLATE NO. W5-54.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate_W554.dgn PLOT DATE : 5-MARCH 2024 11:55 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



W5-56

NOTES

1. Sign is Type II - Type SH Reflective
2. Color:
   Background - Red

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12		1 ½																								1.0
2S	18		1 ½																								2.25
2M	18		1 ½																								2.25
3																											
4																											
5																											

STANDARD SIGN

W5-56

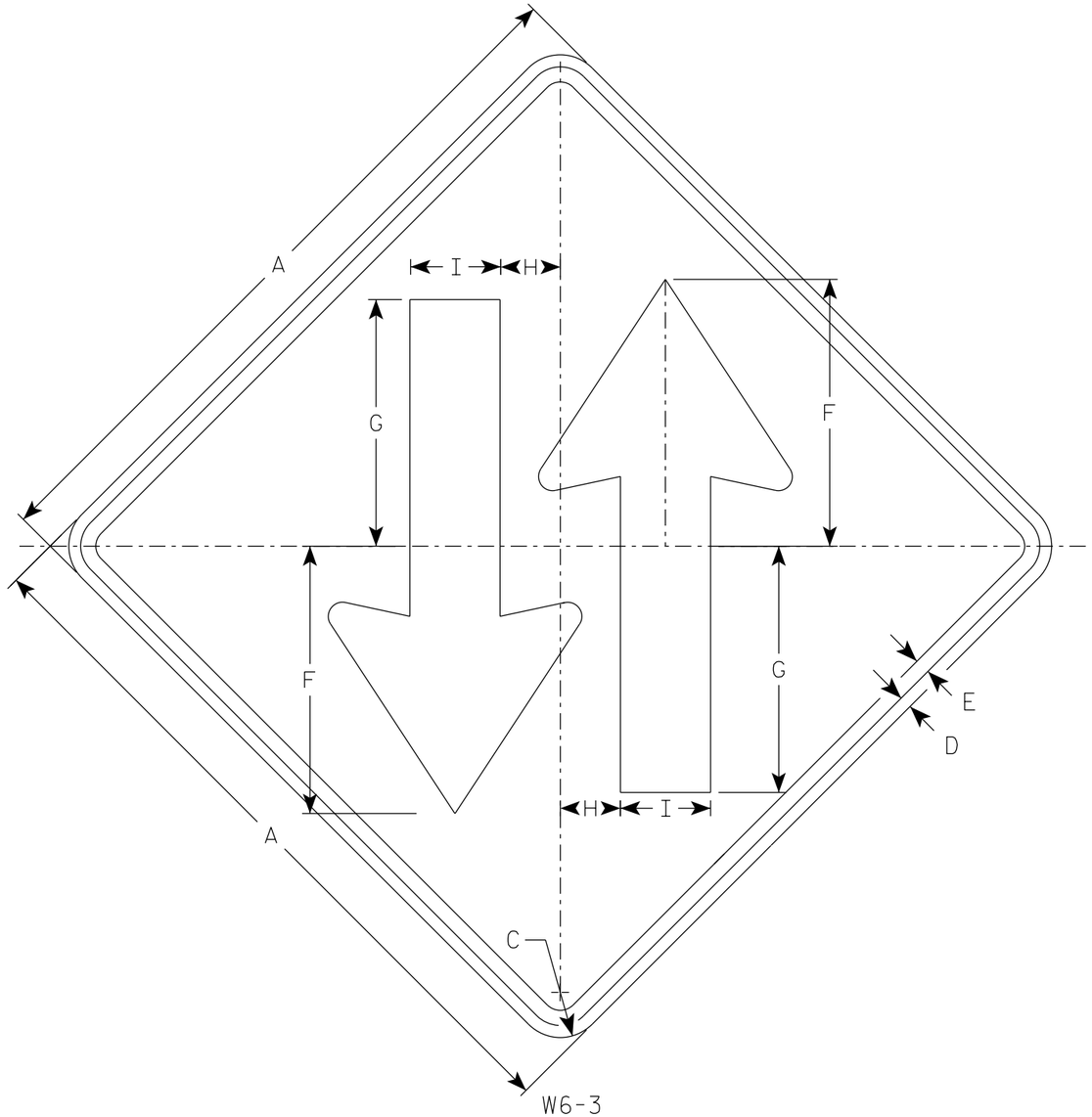
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/5/2024 PLATE NO. W5-56.7

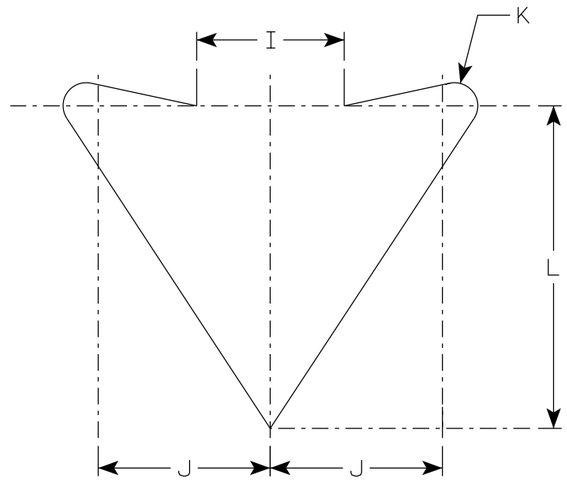
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate_W556.dgn PLOT DATE : 5-MARCH 2024 1:56 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 7/8	1/2	5/8	11 1/8	10 1/4	2 1/2	3 3/4	4 3/8	5/8	8 1/4															6.25
2S	36		2 1/4	5/8	3/4	13 3/8	12 1/4	3	4 1/2	5 1/4	3/4	9 7/8															9.0
2M	36		2 1/4	5/8	3/4	13 3/8	12 1/4	3	4 1/2	5 1/4	3/4	9 7/8															9.0
3	36		2 1/4	5/8	3/4	13 3/8	12 1/4	3	4 1/2	5 1/4	3/4	9 7/8															9.0
4	48		3	3/4	1	17 3/4	16 3/8	4	6	7	1	13 1/8															16.0
5	48		3	3/4	1	17 3/4	16 3/8	4	6	7	1	13 1/8															16.0

STANDARD SIGN

W6-3

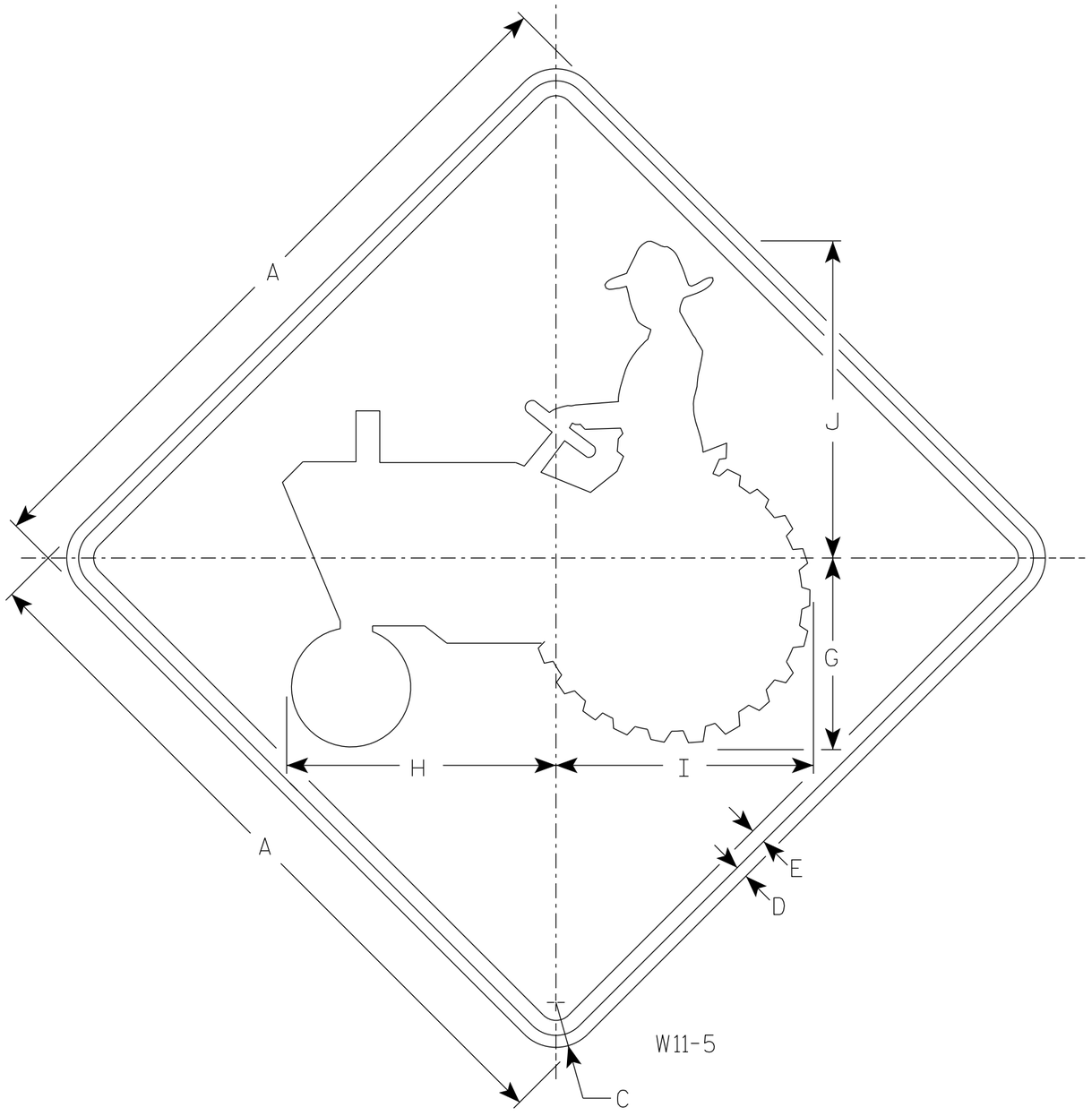
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/6/2023 PLATE NO. W6-3.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W63.dgn PLOT DATE : 6-SEPT 2023 8:00 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	3/8	1/2		6 3/8	9	8 5/8	10 5/8																	4.0
2S	30		1 7/8	1/2	5/8		8	11 1/4	10 3/4	13 1/4																	6.25
2M	30		1 7/8	1/2	5/8		8	11 1/4	10 3/4	13 1/4																	6.25
3	36		2 1/4	5/8	3/4		9 5/8	13 1/2	12 7/8	16																	9.0
4	48		3	3/4	1		12 3/4	18	17 1/4	21 1/8																	16.0
5																											

STANDARD SIGN
W11-5

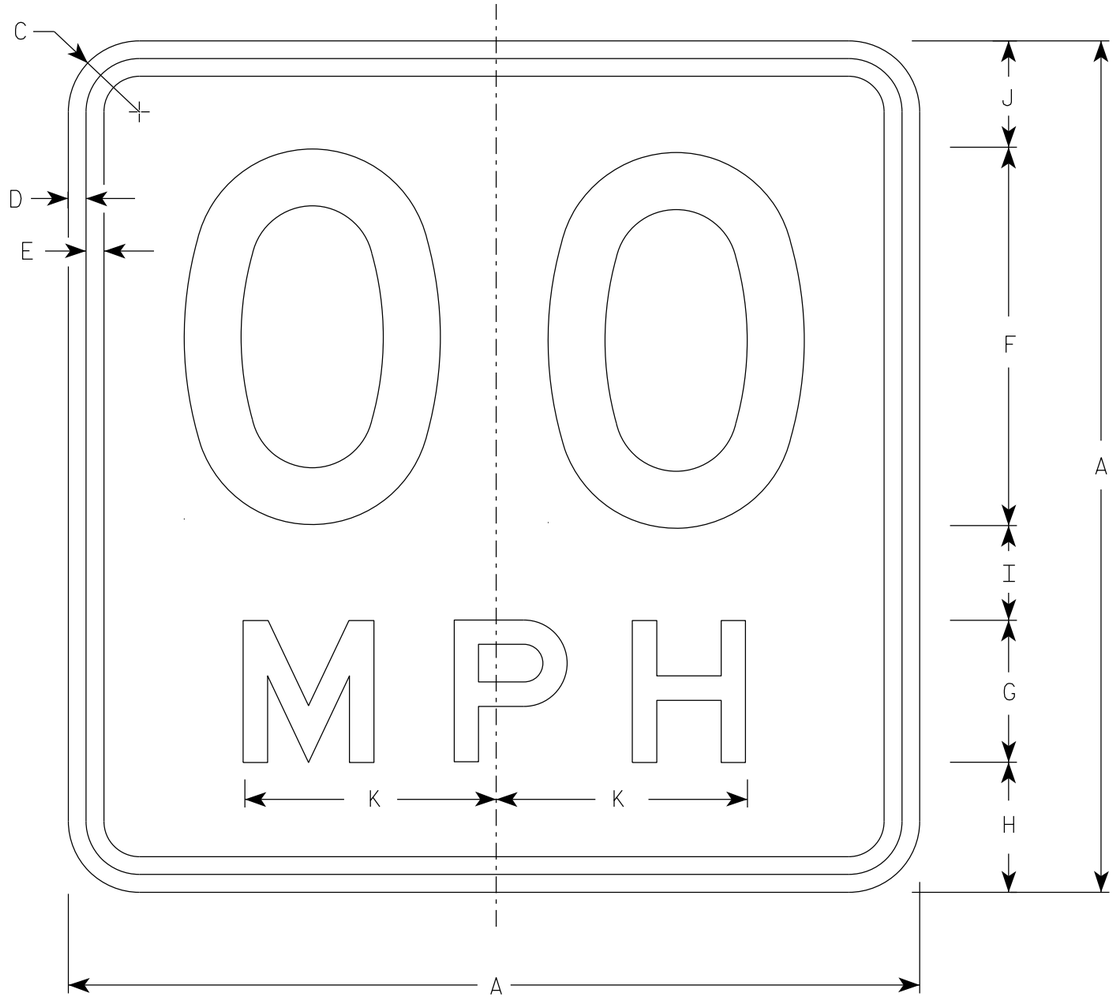
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/27/24 PLATE NO. W11-5.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W115.dgn PLOT DATE : 27-MAR 2024 3:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See Note 5
4. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
5. Line 1 is Series D
   Line 2 is Series E

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1	18		1 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/2	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

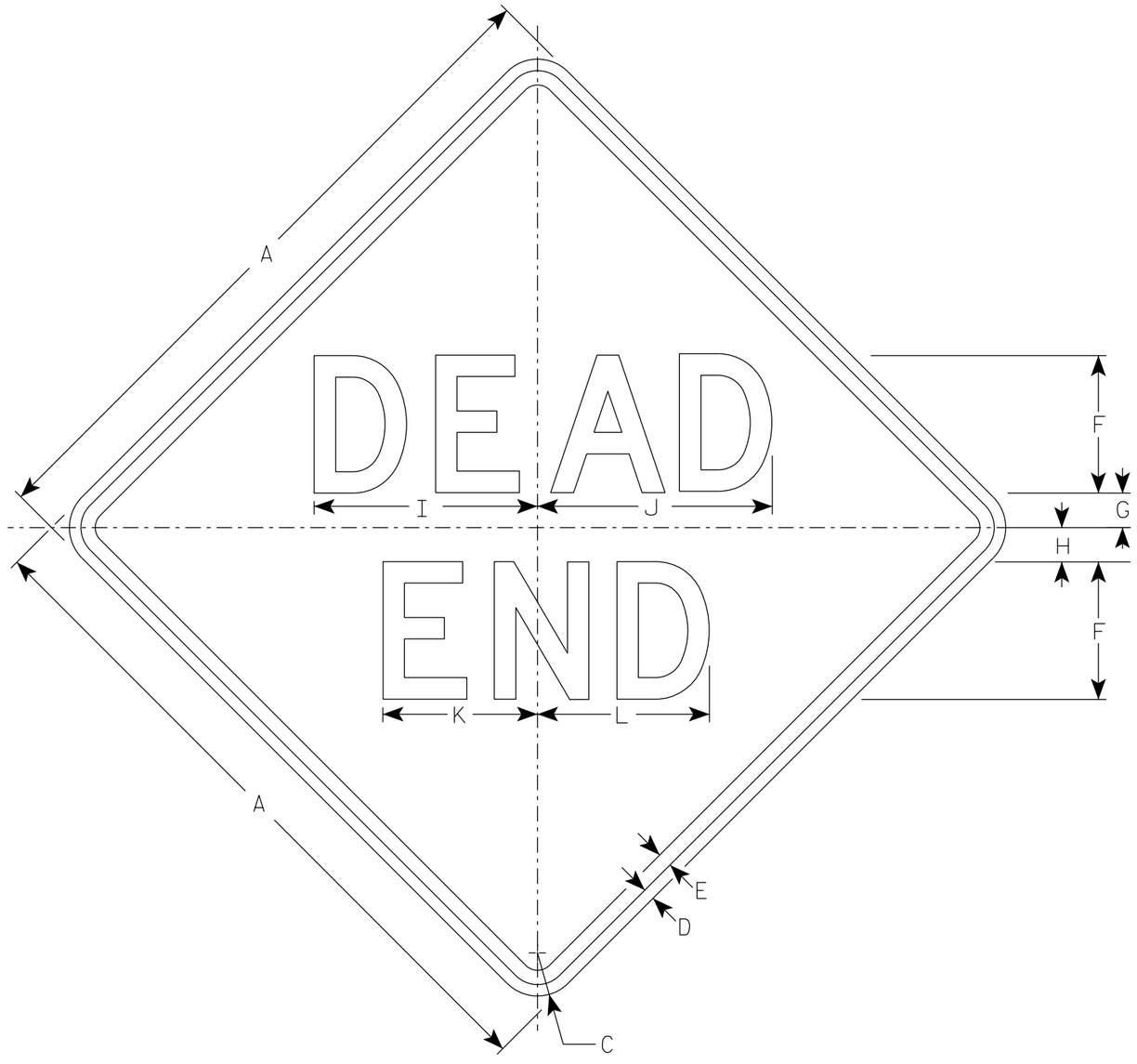
STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/8/2024 PLATE NO. W13-1.17

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



W14-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
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	Areq sq. ft.
1	24		1 1/2	3/8	1/2	5	1	2	8 1/4	8 5/8	5 5/8	6 1/4															4.0
2S	30		1 7/8	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 7/8	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		2 1/4	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

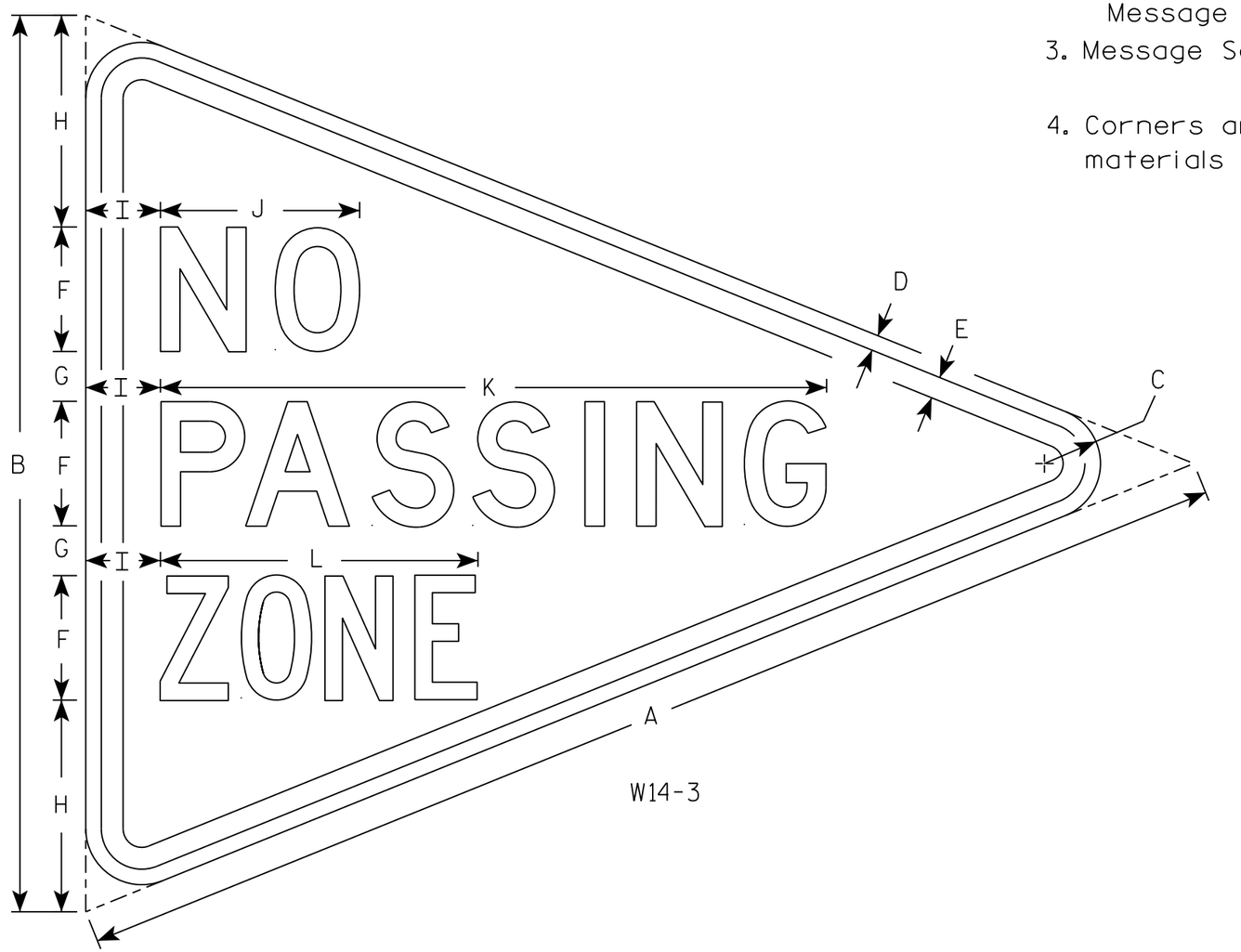
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/8/2024 PLATE NO. W14-1.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 332 E

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - Lines 1 and 2 are Series D.
   Line 3 is series C.
4. Corners and borders shall be rounded on all base materials for this sign.



W14-3

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	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															5.56
2M																											
3																											
4																											
5																											

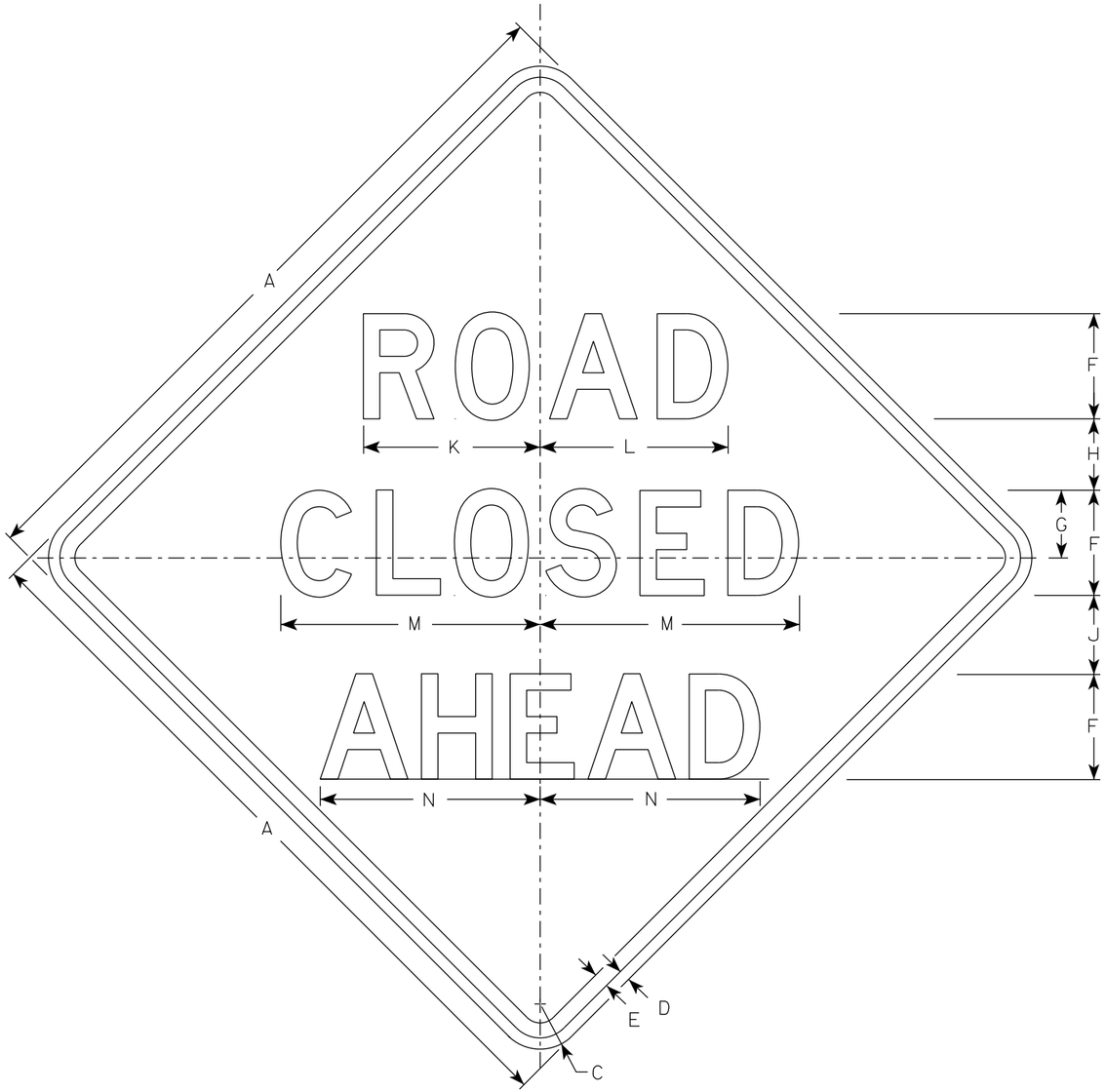
STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

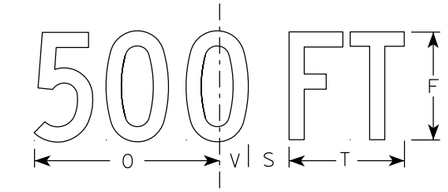
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W14-3.10

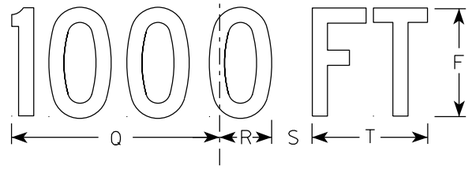
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 333 | E



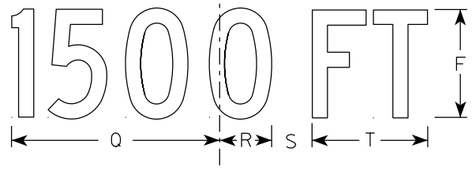
W20-3A



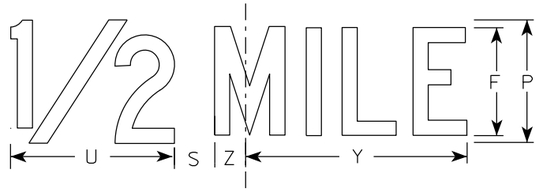
W20-3D



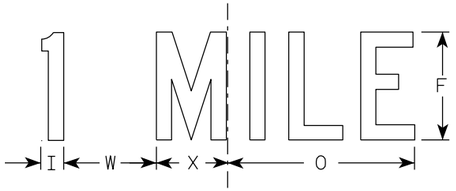
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective
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		2 1/4	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		3	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		3	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		3	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		3	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		3	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

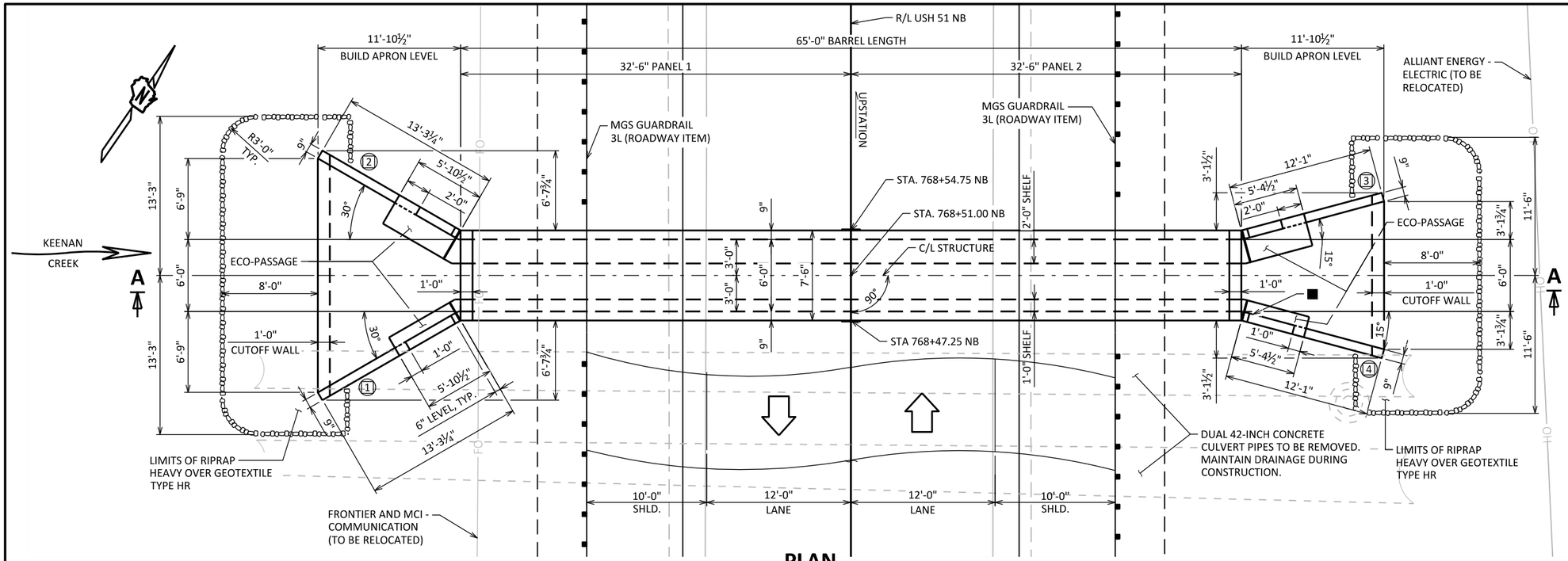
DATE 1/10/2024 PLATE NO. W20-3.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W203.DGN PLOT DATE : 10-JAN 2024 12:02 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

STATE PROJECT NUMBER

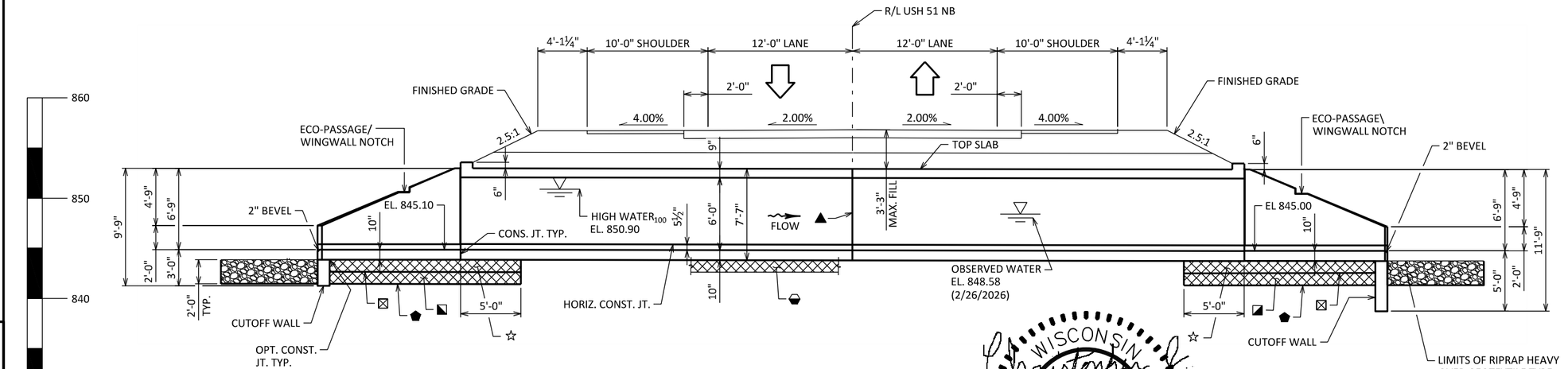
5845-16-75



PLAN

SINGLE CELL CONCRETE BOX CULVERT
WITH TWO INTERIOR ECO-PASSAGES

NOTE: STRUCTURE BACKFILL REQUIRED BEHIND ALL WING WALLS.



SECTION A-A

LOOKING NORTH (UPSTATION)
NORMAL TO C/L OF STRUCTURE

INLET

OUTLET

LEGEND

- (X) INDICATED WING WALL NUMBER
- ▲ VERTICAL CONSTRUCTION JOINT
- ■ NAME PLATE LOCATION
- ☒ GEOGRID TYPE SR-2
- ⬟ GEOTEXTILE TYPE SAS
- ☆ UNDER CUT 1'-0" MIN. EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE GEOGRID TYPE SR-2 AND BACKFILL WITH SELECT CRUSHED MATERIAL.
- ◪ ADDITIONAL 1'-0" EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE GEOTEXTILE TYPE SAS AND BACKFILL WITH SELECT CRUSHED MATERIAL.
- ◒ UNDERCUT 1'-0" MIN. EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE GEOTEXTILE TYPE C AND BACKFILL WITH 'BREAKER RUN' FOR AREAS UNDER THE BARREL INTERIOR.

WISCONSIN
CHRISTOPHER J. MARCUM
44676
EAU CLAIRE
WISCONSIN
PROFESSIONAL ENGINEER
08/07/2026

BENCH MARK

NO.	STATION	EASTING (X)	NORTHING (Y)	ELEV.
CP-TGT 225	759+57.42 NB, 11.88 LT	843,353.60	449,740.20	880.79

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING: RF = 1.13
OPERATING RATING: RF = 1.46
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 (KIPS)

MATERIAL PROPERTIES:

CONCRETE MASONRY:
ALL — f'_c = 3,500 PSI

BAR STEEL REINFORCEMENT
GRADE 60 — f_y = 60,000 PSI

EARTH LOAD:

DESIGNED FOR 2'-6" TO 3'-6" OF FILL.

HYDRAULIC DATA

100-YEAR FREQUENCY:

Q_{100}= 202 C.F.S.
Q THRU C-13-2093 = 202 C.F.S.
Q THRU C-13-2094 = 118 C.F.S.
V_{100}= 9.7 F.P.S.
HW_{100}= EL. 850.90
WATERWAY AREA = 21.0 SQ. FT.
DRAINAGE AREA = 2.84 SQ. MI.
ROADWAY OVERTOPPING = N/A
SCOUR CRITICAL CODE = 8

2-YEAR FREQUENCY:

Q_2= 76 C.F.S.
V_2= 3.6 F.P.S.
HW_2= EL. 848.96

TRAFFIC DATA

USH 51:

ADT = 14,300 (2027)
ADT = 15,400 (2047)
R.D.S. = 60 MPH

LIST OF DRAWINGS:

1. GENERAL PLANS
2. CROSS SECTION, NOTES, & QUANTITIES
3. SUBSURFACE EXPLORATION
4. BARREL REINFORCEMENT
5. BARREL DETAILS
6. SHELF REINFORCEMENT
7. INLET APRON DETAILS
8. OUTLET APRON DETAILS
9. APRON DETAILS
10. APRON BAR STEEL DETAILS

STRUCTURE DESIGN CONTACTS:

CHRISTOPHER MARCUM, P.E. 715-861-4823
AARON BONK , P.E. 608-261-0261

NO.	DATE	REVISION	BY

jt ENGINEERING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED JLR 08/10/26
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-13-2093

USH 51 OVER KEENAN CREEK

COUNTY	TOWN
DANE	DUNN

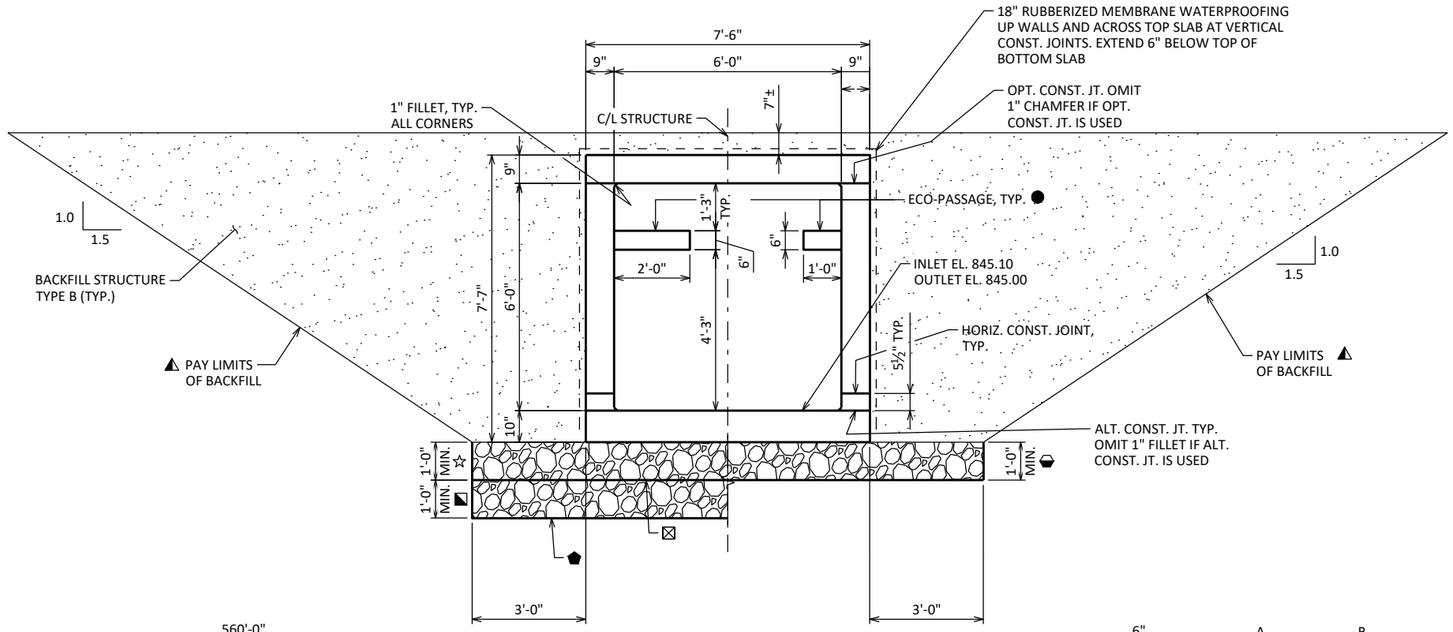
DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGN CK'D	DRAWN BY	PLANS CK'D
RAC	CJM	ZRT/RAC	CJM

GENERAL PLANS

SHEET 1 OF 10
335

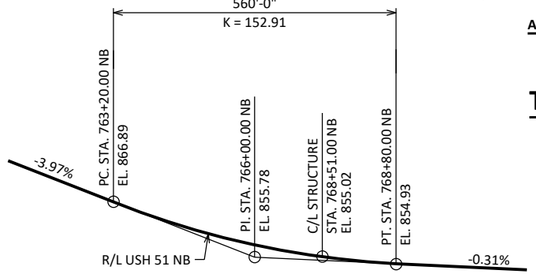
I.D. 5845-16-04 DATE: AUGUST 2026



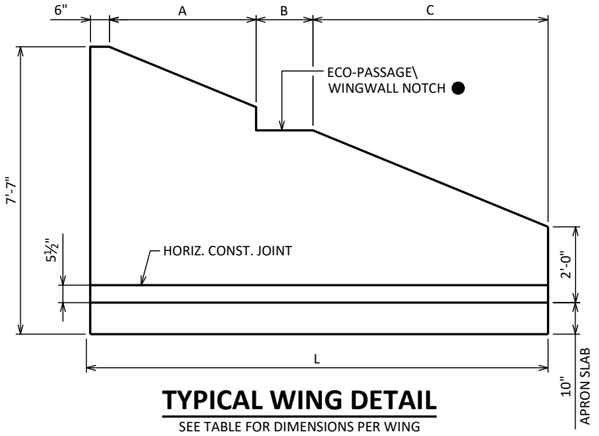
APRON AND BARREL ENDS UNDERCUT **BARREL UNDERCUT**

TYPICAL SECTION THRU BOX CULVERT

SHOWING BACKFILL LIMITS
LOOKING DOWNSTREAM



PROFILE GRADE LINE



TYPICAL WING DETAIL

SEE TABLE FOR DIMENSIONS PER WING

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
(A01) 203.0220	REMOVING STRUCTURE DUAL 42-INCH CONCRETE CULVERT PIPES	EACH	1
206.2001	EXCAVATION FOR STRUCTURES CULVERTS C-13-2093	EACH	1
210.2500	BACKFILL STRUCTURE TYPE B	TON	800
311.0110	BREAKER RUN	TON	50
312.0110	SELECT CRUSHED MATERIAL	TON	80
504.0100	CONCRETE MASONRY CULVERTS	CY	74
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	6,550
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1,140
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	17
606.0300	RIPRAP HEAVY	CY	33
645.0105	GEOTEXTILE TYPE C	SY	100
645.0120	GEOTEXTILE TYPE HR	SY	85
645.0140	GEOTEXTILE TYPE SAS	SY	75
645.0145.S	GEOGRID TYPE SR-2	SY	75
	NON-BID ITEMS		
	NAME PLATE	EACH	1
	FILLER	SIZE	½", ¾"

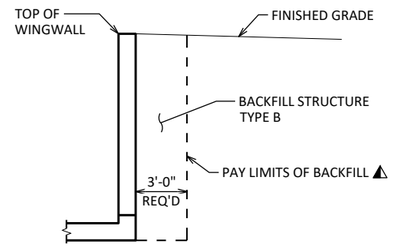
ALL C-13-2093 BID ITEMS ARE CATEGORY 0030.

WING DIMENSIONS

	DIMENSIONS			
WING	L	A	B	C
1	13'-3¾"	4'-4½"	1'-0"	7'-4¾"
2	13'-3¾"	3'-4½"	2'-0"	7'-4¾"
3	12'-1"	2'-10½"	2'-0"	6'-8½"
4	12'-1"	3'-10½"	1'-0"	6'-8½"

LEGEND

- ☒ GEOGRID TYPE SR-2
- ⬟ GEOTEXTILE TYPE SAS
- ☆ UNDER CUT 1'-0" MIN. EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE GEOGRID TYPE SR-2 AND BACKFILL WITH SELECT CRUSHED MATERIAL.
- ◪ ADDITIONAL 1'-0" EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE GEOTEXTILE TYPE SAS AND BACKFILL WITH SELECT CRUSHED MATERIAL.
- ◒ UNDERCUT 1'-0" MIN. EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE GEOTEXTILE TYPE C AND BACKFILL WITH 'BREAKER RUN' FOR AREAS UNDER THE BARREL INTERIOR.
- (A01) SEQUENCE REMOVAL OF EXISTING CULVERT TO MAINTAIN CONTINUOUS DRAINAGE OF KEENAN CREEK DURING CONSTRUCTION.
- ● TRANSVERSELY TINE TOP OF SHELF. WORK INCIDENTAL TO "CONCRETE MASONRY CULVERTS".
- ⚠ 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 BOX CULVERT WINGWALL

STATE PROJECT NUMBER
5845-16-75

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.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMIT OF "EXCAVATION FOR STRUCTURES CULVERTS C-13-2093" SHALL BE THE EXISTING GROUNDLINE.

IN LIEU OF USING BREAKER RUN FOR THE BOX CONSTRUCTION PLATFORM, THE CONTRACTOR MAY ELECT TO SUBSTITUTE COARSE AGGREGATE AASHTO NO. 67 OR AASHTO NO. 4 IN ACCORDANCE WITH STANDARD SPEC 310 AND 604, RESPECTIVELY, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL. CONTACT THE REGION GEOTECHNICAL ENGINEER TO DETERMINE IF "OTHER GRANULAR MATERIAL" IS ACCEPTABLE. THIS IS ONLY APPLICABLE IN THE 1'-0" BARREL INTERIOR UNDERCUT AREAS.

ALL VOLUME WHICH CANNOT BE PLACED BEFORE CULVERT CONSTRUCTION AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL WITHIN THE LENGTH OF THE CULVERT INCLUDING THE APRON WING WALLS.

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 APRON WINGS FOR 3 FEET. BACKFILL PLACED BEYOND PAY LIMITS OR EXCEEDING PLAN QUANTITIES SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES.

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 SHEET 9 MAY BE USED IN LIEU OF THE CAST-IN-PLACE CONCRETE CUT OFF WALLS. PAYMENT SHALL BE BASED ON CAST-IN-PLACE CONCRETE CUT OFF WALLS.

PLACE 18" MIN. WIDE SHEET OF "RUBBERIZED MEMBRANE WATERPROOFING" ON TOP SLAB OVER ALL CONSTRUCTION JOINTS AND EXTEND 6" MIN. BELOW TOP OF BOTTOM SLAB.

PREFORMED FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION M153, TYPE I, II, OR III OR M213.

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS. LOCATE NAME PLATE ON WING 4.

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OVERHEAD UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

"REMOVING STRUCTURE CULVERT" INCLUDES REMOVING EXISTING DUAL 42-INCH CONCRETE CULVERT PIPES, AND THE ASSOCIATED INLET AND OUTLET APRONS, WINGWALLS, AND HEADWALLS.

PRECAST CULVERT BARREL, SHELVES, WINGWALLS, AND APRONS NOT ALLOWED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-13-2093

DRAWN BY ZRT/RAC | PLANS CK'D CJM

CROSS SECTION, NOTES, AND QUANTITIES

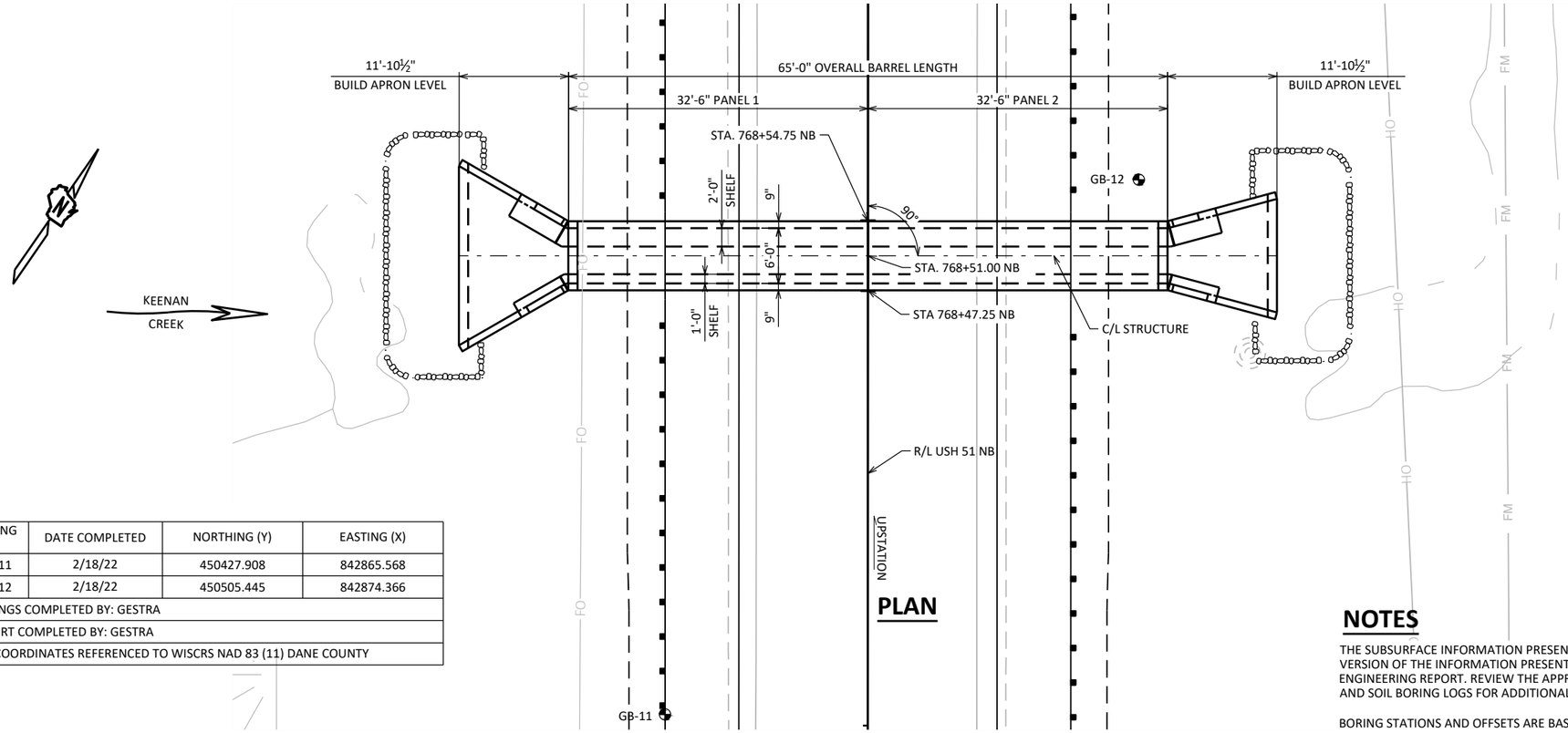
SHEET 2 OF 10
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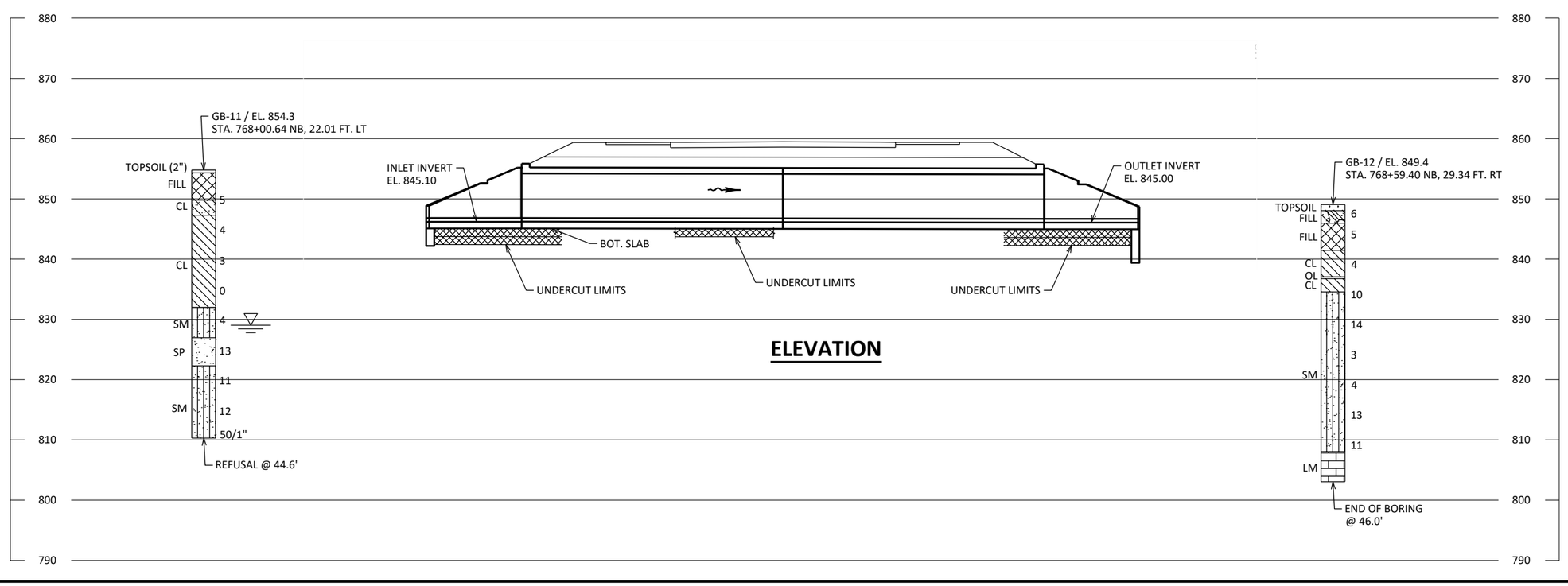
PLAN

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
GB-11	2/18/22	450427.908	842865.568
GB-12	2/18/22	450505.445	842874.366
BORINGS COMPLETED BY: GESTRA			
REPORT COMPLETED BY: GESTRA			
ALL COORDINATES REFERENCED TO WISCRS NAD 83 (11) DANE COUNTY			

NOTES

THE SUBSURFACE INFORMATION PRESENTED HEREIN IS AN ABBREVIATED VERSION OF THE INFORMATION PRESENTED IN THE GEOTECHNICAL ENGINEERING REPORT. REVIEW THE APPROPRIATE GEOTECHNIAL REPORT AND SOIL BORING LOGS FOR ADDITIONAL SUBSURFACE INFORMATION.

BORING STATIONS AND OFFSETS ARE BASED ON R/L USH 51 NB.

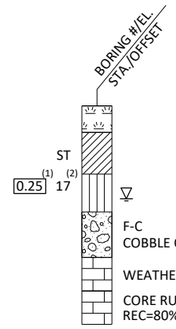


ELEVATION

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

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SUBSURFACE EXPLORATION

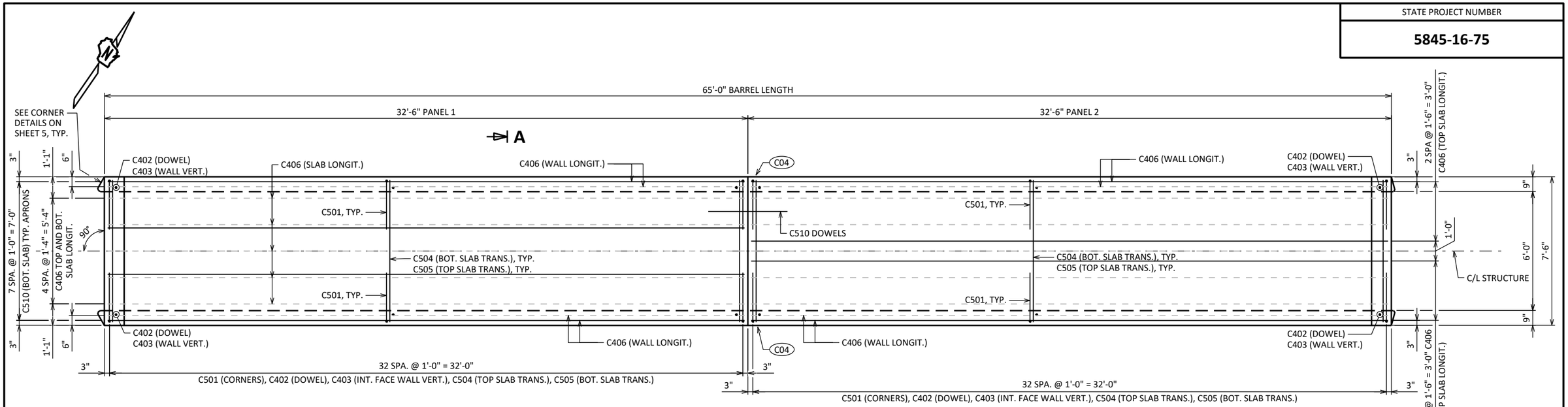
SHEET 3 OF 10
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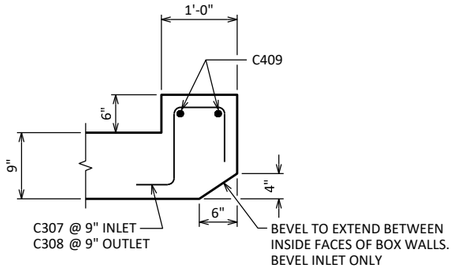
STATE PROJECT NUMBER

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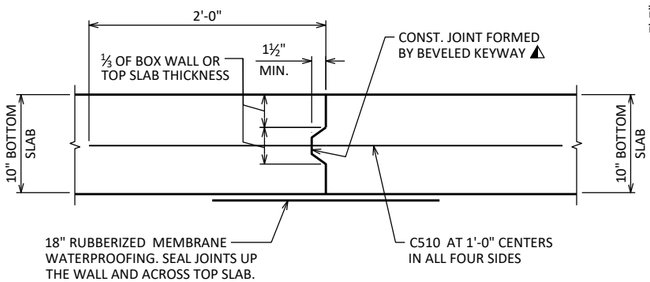


REINFORCEMENT PLAN

SHELFS, WINGS & APRONS NOT SHOWN FOR CLARITY

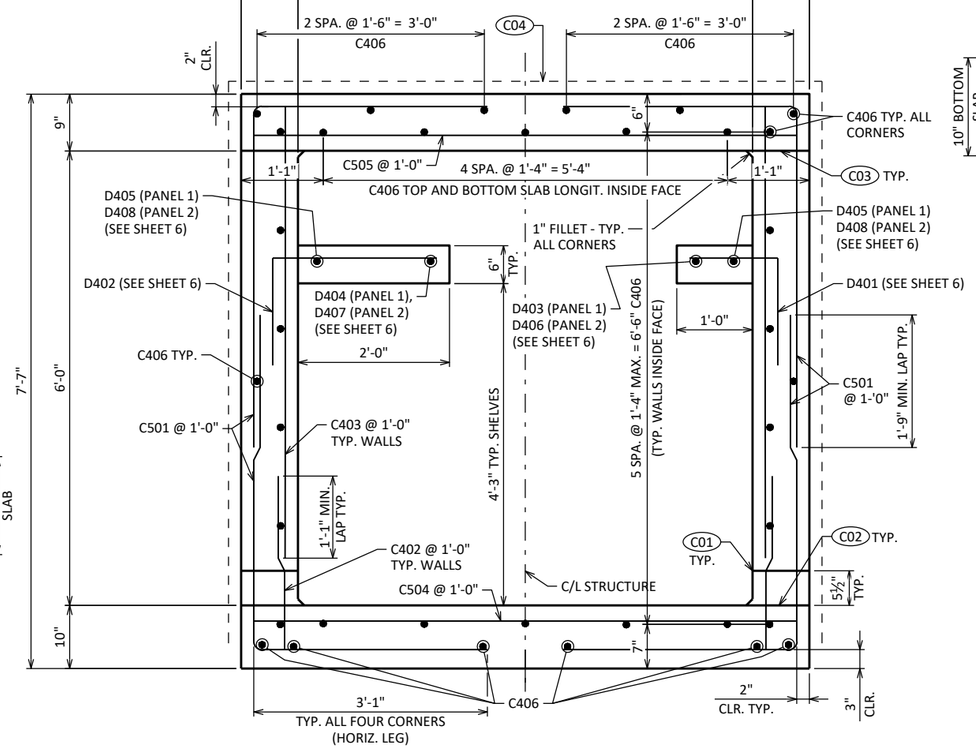


SECTION THRU HEADER



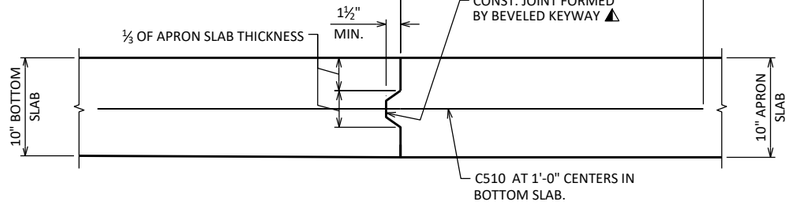
VERTICAL CONSTRUCTION JOINT

⚠ IN LIEU OF CONSTRUCTION JOINTS IN THE BOTTOM SLAB, THE CONTRACTOR MAY USE 2" DEEP SAW CUTS WITHIN 12 HOURS AFTER POURING. #5 BARS 4'-0" AT 1'-0" CENTERS REQUIRED.



SECTION A

SHOWING BARREL REINFORCEMENT
LOOKING DOWNSTREAM



APRON CONNECTION DETAIL

⚠ IN LIEU OF CONSTRUCTION JOINTS IN THE BOTTOM SLAB, THE CONTRACTOR MAY USE 2" DEEP SAW CUTS WITHIN 12 HOURS AFTER POURING. #5 BARS 4'-0" AT 1'-0" CENTERS REQUIRED.

LEGEND

- (C01) HORIZONTAL CONSTRUCTION JOINT
- (C02) ALT. CONST. JOINT. OMIT 1" FILLET IF ALT. CONST. JOINT IS USED
- (C03) OPTIONAL CONST. JOINT. OMIT 1" FILLET IF OPTIONAL CONST. JOINT IS USED
- (C04) 18" MIN. WIDTH RUBBERIZED MEMBRANE WATERPROOFING (RMW) UP WALLS AND ACROSS TOP OF SLAB AND VERTICAL CONSTRUCTION JOINT. EXTEND RMW 6" MIN. BELOW THE TOP OF BOT. SLAB. SEE DETAIL ON SHEET 2.

NOTES

FOR BARREL BILL OF BARS, SEE BARREL DETAIL SHEET 5.

FOR SHELF REINFORCEMENT, SEE SHEET 6.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-13-2093

DRAWN BY RAC | PLANS CK'D CJM

BARREL REINFORCEMENT

SHEET 4 OF 10

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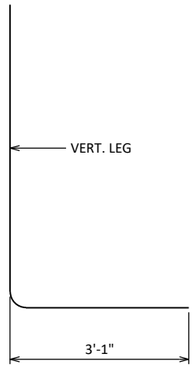
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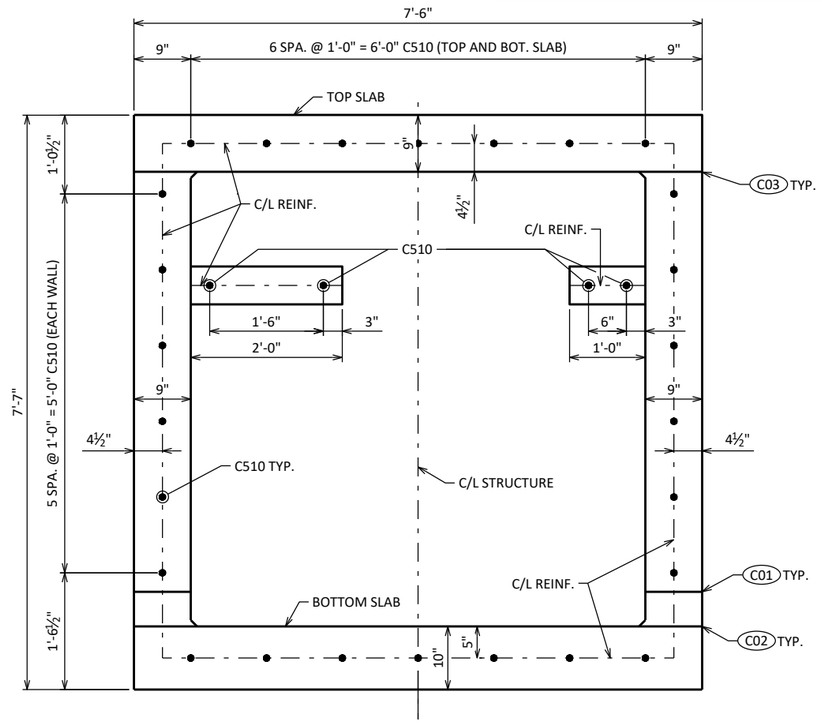
BILL OF BARS - BARREL

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
C501		264	7'-5"	X		CORNERS - VERT.
C402		132	2'-4"			BOT. SLAB - VERT. DOWELS
C403		132	5'-11"			WALL - VERT.
C504		66	7'-2"			BOT. SLAB - TRANS.
C505		66	7'-2"			TOP SLAB - TRANS
C406		72	32'-2"			SLAB - LONGIT.
C307		10	2'-5"	X		INLET HEADER - VERT.
C308		10	2'-9"	X		OUTLET HEADER - VERT.
C409		4	7'-2"			HEADER - TRANS.
C510		46	4'-0"			APRON AND CONST. JT. DOWELS

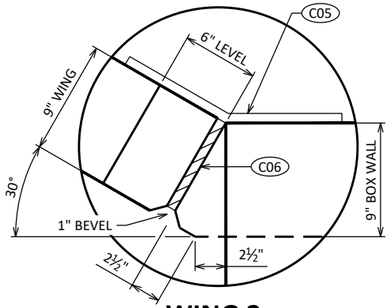


C501

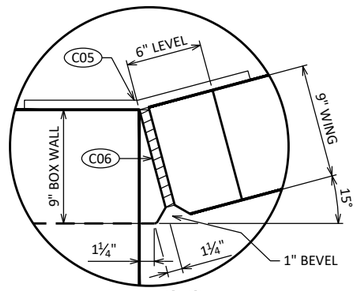


SECTION THRU CONST. JT.

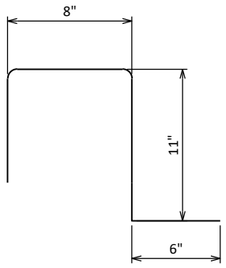
18" RUBBERIZED MEMBRANE WATERPROOFING AT VERT. CONSTRUCTION JOINT NOT SHOWN. SEE DETAIL ON SHEET 2.



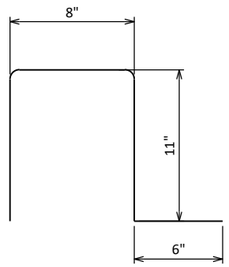
WING 2



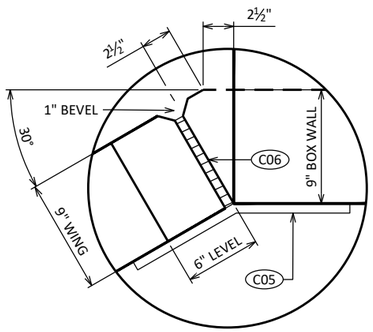
WING 3



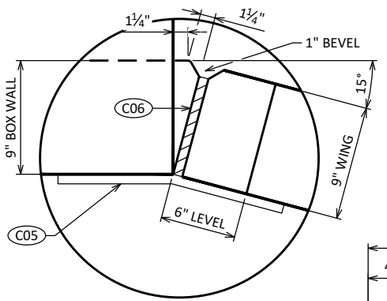
C307



C308

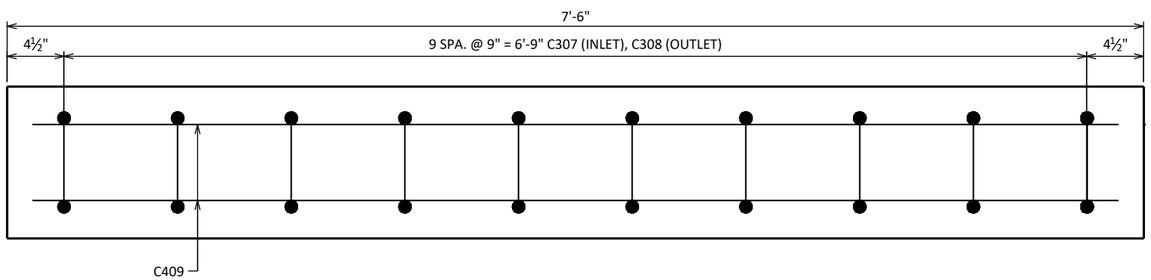


WING 1



WING 4

CORNER DETAILS



HEADER PLAN

SHOWING HEADER REINFORCEMENT
INLET AND OUTLET SIMILAR

LEGEND

- C01 HORIZONTAL CONSTRUCTION JOINT
- C02 ALT. CONST. JOINT. OMIT 1" FILLET IF ALT. CONST. JOINT IS USED
- C03 OPTIONAL CONST. JOINT. OMIT 1" FILLET IF OPTIONAL CONST. JOINT IS USED
- C05 18" RUBBERIZED MEMBRANE WATERPROOFING EXTEND FROM HORIZ. CONST. JT. TO TOP OF WALL (FLUSH WITH FACE OF CONCRETE)
- C06 ¾" FILLER TO EXTEND FROM HORIZONTAL CONSTRUCTION JOINT TO TOP OF WING. FILLER IS INCLUDED IN WING LENGTH.

NO.	DATE	REVISION	BY

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DRAWN BY RAC | PLANS CK'D CJM

BARREL DETAILS

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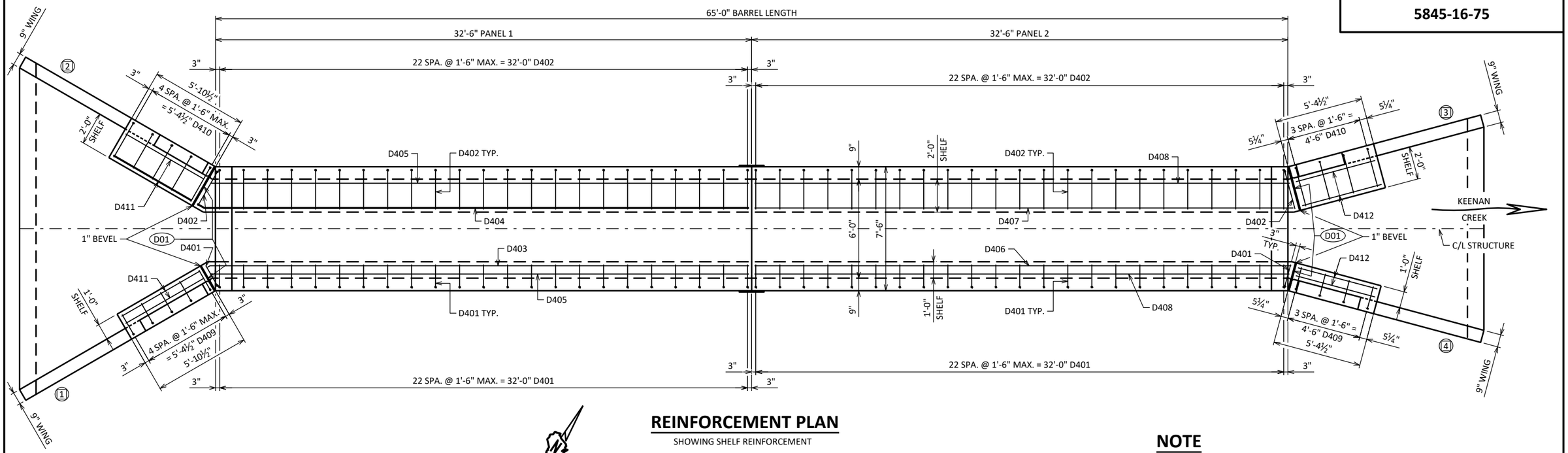
STATE PROJECT NUMBER

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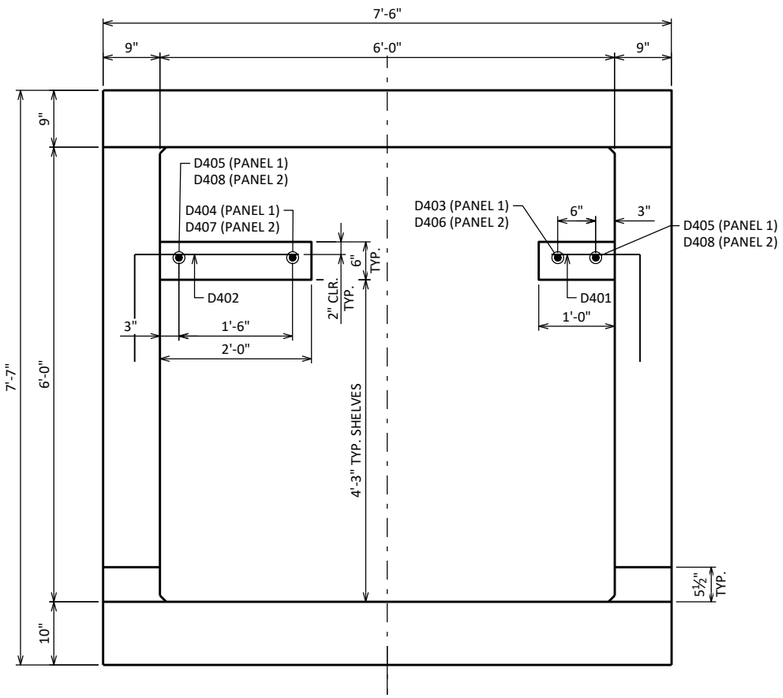


REINFORCEMENT PLAN

SHOWING SHELF REINFORCEMENT

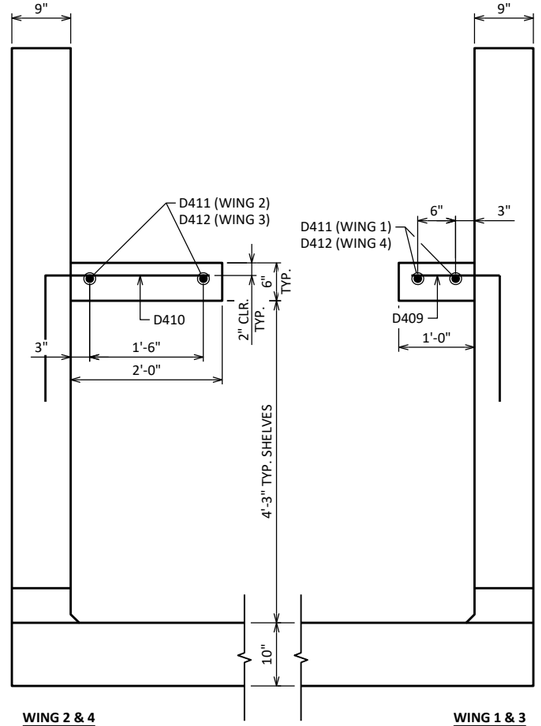
NOTE

DO NOT EXTEND REINFORCEMENT
THRU JOINT FILLER OF SHELVES



SECTION THRU BARREL

SHOWING SHELF REINFORCEMENT
LOOKING DOWNSTREAM



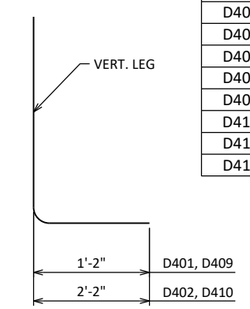
SECTION THRU WINGS

LOOKING DOWNSTREAM

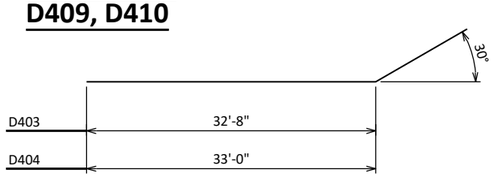
BILL OF BARS - SHELVES

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
D401		48	2'-6"	X		SHELF - TRANS.
D402		48	3'-6"	X		SHELF - TRANS.
D403		1	32'-10"	X		SHELF - LONGIT. PANEL 1
D404		1	33'-6"	X		SHELF - LONGIT. PANEL 1
D405		2	32'-7"			SHELF - LONGIT. PANEL 1
D406		1	32'-6"			SHELF - LONGIT. PANEL 2
D407		1	32'-8"			SHELF - LONGIT. PANEL 2
D408		2	32'-4"			SHELF - LONGIT. PANEL 2
D409	X	9	2'-9"	X		SHELF - TRANS. WING 1 & 4
D410	X	9	3'-9"	X		SHELF - TRANS. WING 2 & 3
D411	X	4	5'-5"			SHELF - LONGIT. WING 1 & 2
D412	X	4	5'-0"			SHELF - LONGIT. WING 3 & 4



D401, D402, D409, D410



D403, D404

LEGEND

(D01) ¾" FILLER TO EXTEND FROM BOTTOM OF SHELF TO TOP OF SHELF.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
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STRUCTURE C-13-2093

DRAWN BY RAC | PLANS CK'D CJM

SHELF REINFORCEMENT

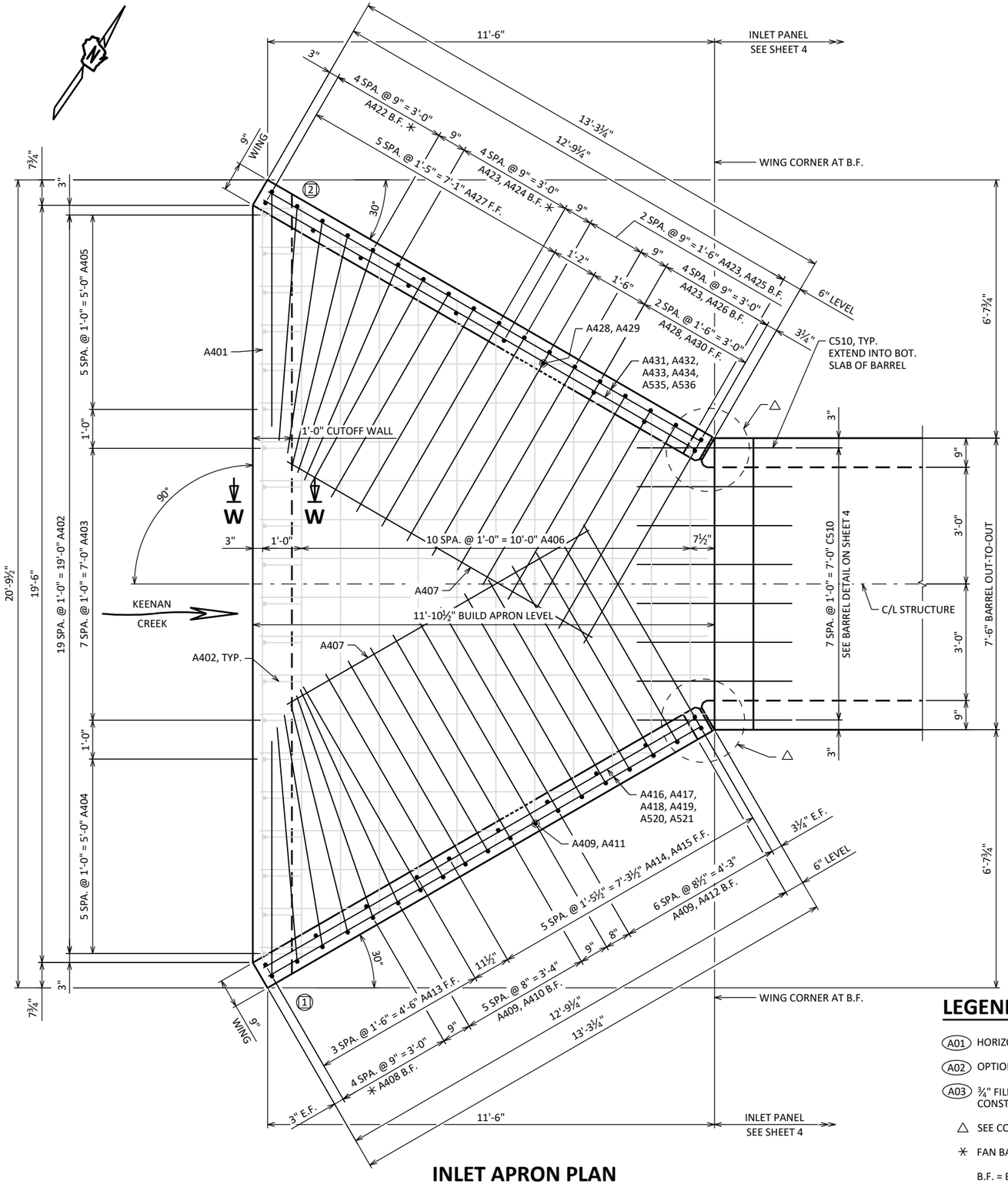
SHEET 6 OF 10
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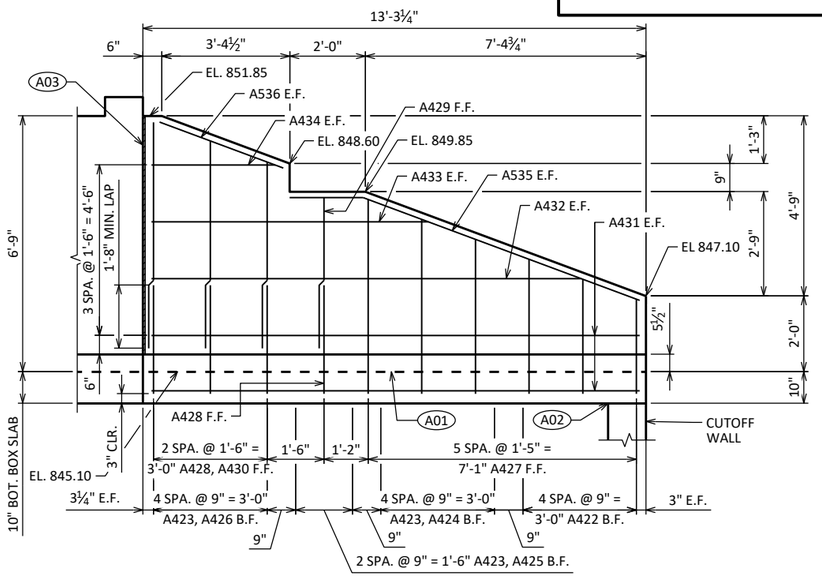
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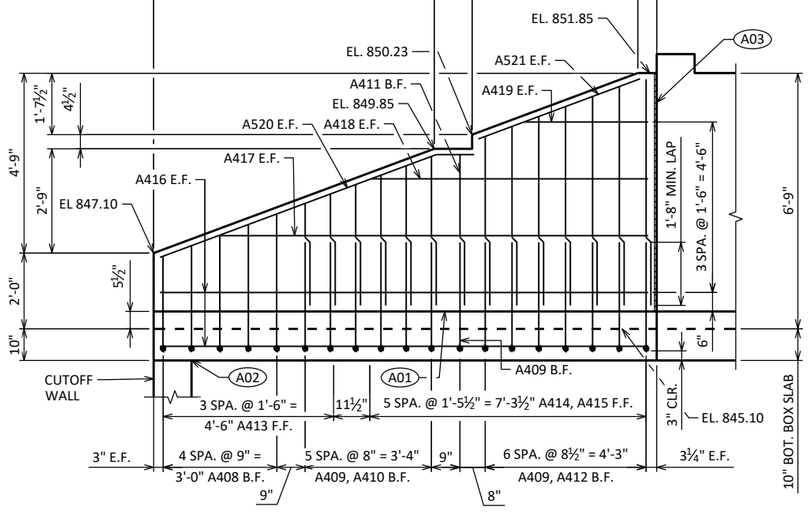


INLET APRON PLAN



WING 2 ELEVATION

LOOKING AT BACK FACE, SHOWING FRONT FACE REINFORCEMENT



WING 1 ELEVATION

LOOKING AT BACK FACE, SHOWING BACK FACE REINFORCEMENT

LEGEND

- (A01) HORIZONTAL CONSTRUCTION JOINT
- (A02) OPTIONAL CONSTRUCTION JOINT
- (A03) ¾" FILLER TO EXTEND FROM HORIZONTAL CONSTRUCTION JOINT TO TOP OF WING
- △ SEE CORNER DETAILS ON SHEET 5
- * FAN BARS WHEN NECESSARY

B.F. = BACK FACE
F.F. = FRONT FACE
E.F. = EACH FACE

NOTES

SEE SECTION W-W ON SHEET 9.

FOR BILL OF BARS, SEE APRON BAR STEEL DETAILS ON SHEET 10.

FOR SECTION THRU CUTOFF WALLS, SEE APRON DETAILS ON SHEET 9.

DO NOT EXTEND REINFORCEMENT THRU JOINT FILLER.

SEE CORNER DETAILS ON SHEET 5.

SHELF DETAILS OMITTED FOR CLARITY. SEE SHEET 6 FOR DETAILS.

NO.	DATE	REVISION	BY

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DRAWN BY RAC | PLANS CK'D CJM

INLET APRON DETAILS

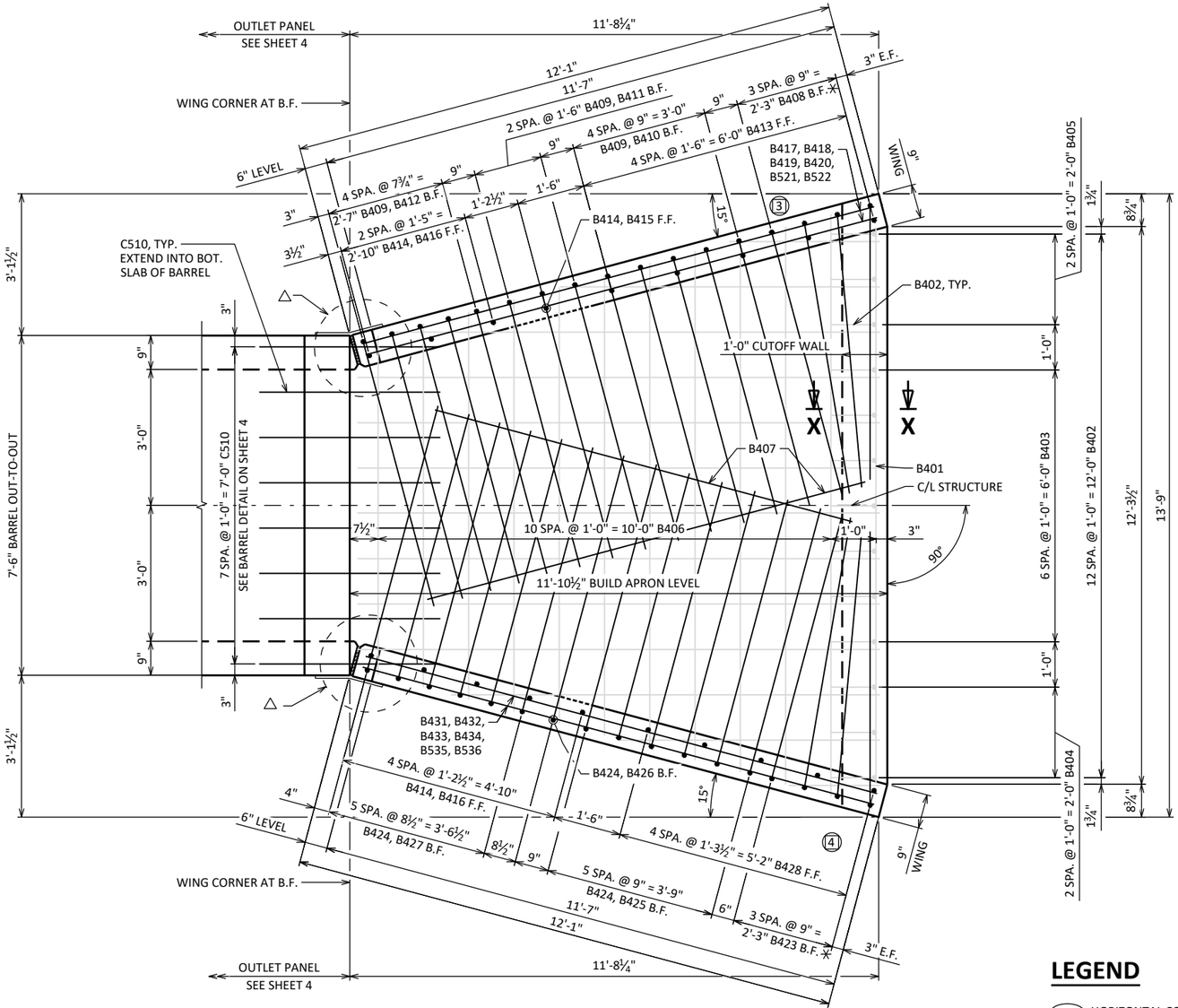
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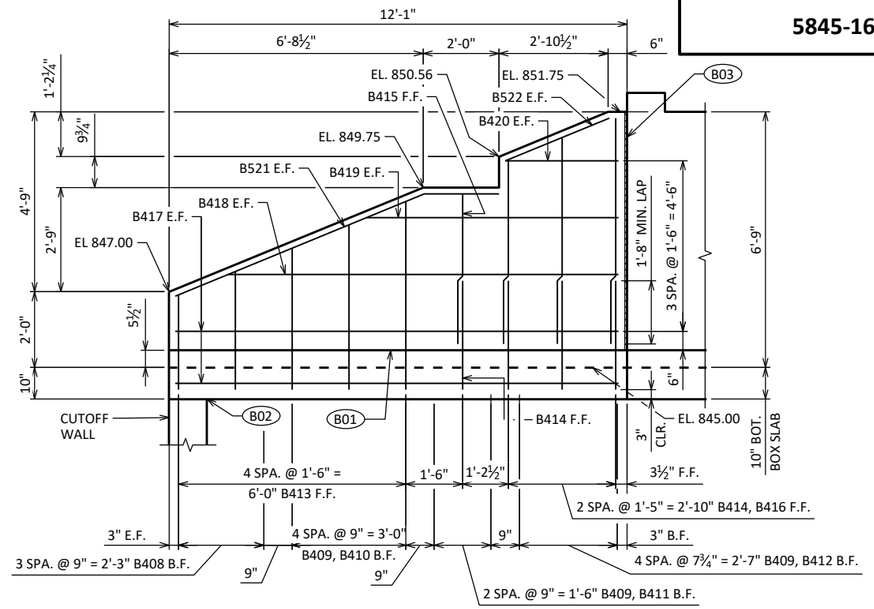
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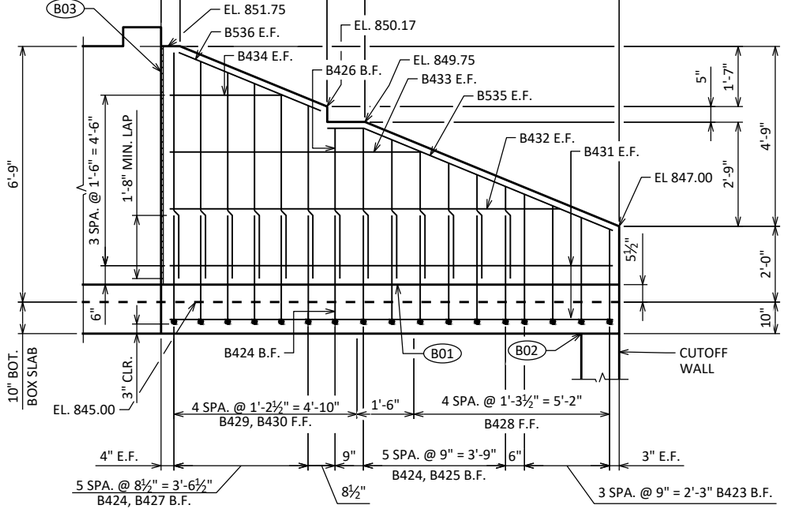
OUTLET APRON PLAN



WING 3 ELEVATION

KEENAN CREEK

LOOKING AT BACK FACE, SHOWING FRONT FACE REINFORCEMENT



WING 4 ELEVATION

LOOKING AT BACK FACE, SHOWING BACK FACE REINFORCEMENT

LEGEND

- (B01) HORIZONTAL CONSTRUCTION JOINT
- (B02) OPTIONAL CONSTRUCTION JOINT
- (B03) ¾" FILLER TO EXTEND FROM HORIZONTAL CONSTRUCTION JOINT TO TOP OF WING
- △ SEE CORNER DETAILS ON SHEET 5
- ✳ FAN BARS WHEN NECESSARY

B.F. = BACK FACE
F.F. = FRONT FACE
E.F. = EACH FACE

NOTES

SEE SECTION X-X ON SHEET 9.

FOR BILL OF BARS, SEE APRON BAR STEEL DETAILS ON SHEET 10.

FOR SECTION THRU CUTOFF WALLS, SEE APRON DETAILS ON SHEET 9.

DO NOT EXTEND REINFORCEMENT THRU JOINT FILLER.

SEE CORNER DETAILS ON SHEET 5.

SHELF DETAILS OMITTED FOR CLARITY. SEE SHEET 6 FOR DETAILS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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DRAWN BY RAC | PLANS CK'D CJM

OUTLET APRON DETAILS

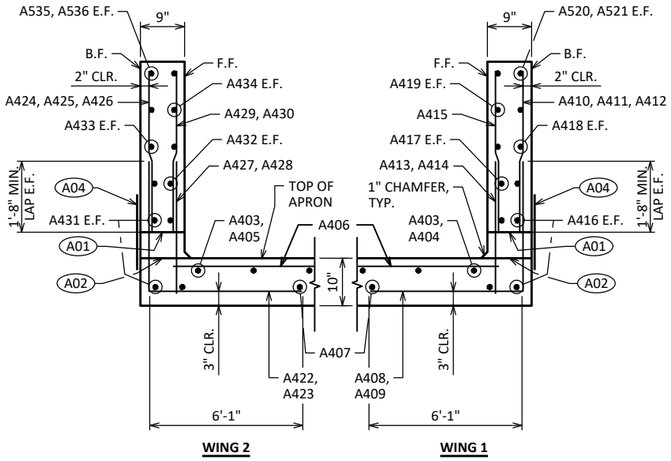
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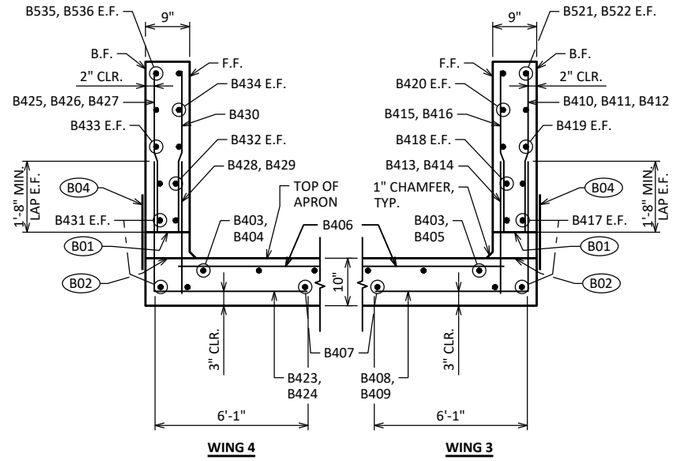
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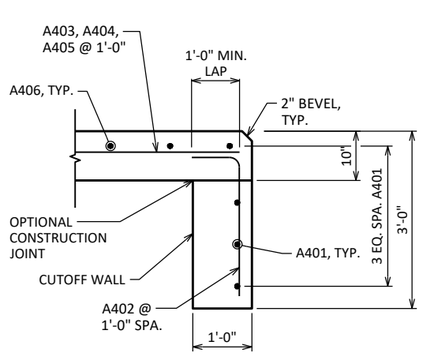
SECTION THRU INLET WINGS

SHELF DETAILS OMITTED FOR CLARITY. SEE SHEET 6 FOR DETAILS.



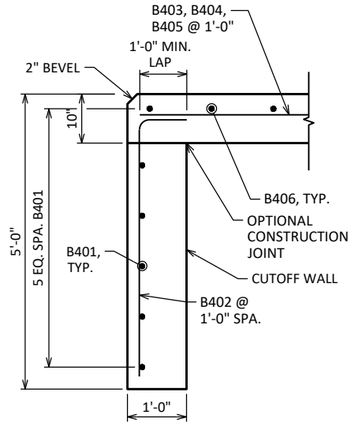
SECTION THRU OUTLET WINGS

SHELF DETAILS OMITTED FOR CLARITY. SEE SHEET 6 FOR DETAILS.



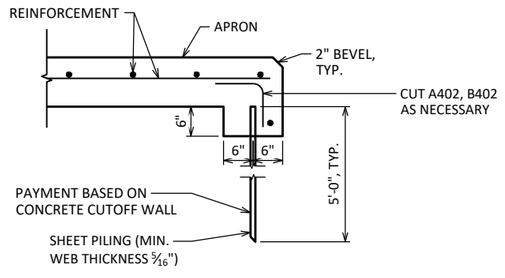
SECTION W-W

INLET CUTOFF WALL



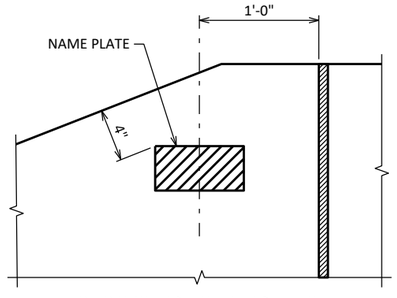
SECTION X-X

OUTLET CUTOFF WALL



ALTERNATE CUTOFF WALL

THE ABOVE ALTERNATIVE MAY BE USED IN LIEU OF CAST-IN-PLACE CONCRETE CUTOFF WALLS. PAYMENT WILL BE USED BASED ON THE CONCRETE CUTOFF WALLS.



NAME PLATE DETAIL

WING 4

NOTES

FOR SECTION W-W LOCATION SEE SHEET 7.

FOR SECTION X-X LOCATION SEE SHEET 8.

FOR BILL OF BARS, SEE APRON BAR STEEL DETAILS ON SHEET 10.

LEGEND

(A01) (B01) HORIZONTAL CONSTRUCTION JOINT

(A02) (B02) OPTIONAL CONSTRUCTION JOINT

(A04) (B04) 18" MIN. WIDTH RUBBERIZED MEMBRANE WATERPROOFING ALONG HORIZ. CONST. FOR ENTIRE LENGTH OF WING, TYP.

B.F. = BACK FACE
F.F. = FRONT FACE
E.F. = EACH FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-13-2093

DRAWN BY RAC | PLANS CK'D CJM

APRON DETAILS

SHEET 9 OF 10

343

8

8

STATE PROJECT NUMBER
5845-16-75

BILL OF BARS - INLET APRON

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
A401		4	19'-2"			CUTOFF WALL HORIZ.
A402		20	3'-7"	X		CUTOFF WALL VERT.
A403		8	11'-6"			APRON LONG.
A404		6	5'-9"		⚠	APRON LONG. WING 1
A405		6	5'-9"		⚠	APRON LONG WING 2
A406		11	13'-7"		⚠	APRON TRANS.
A407		2	9'-6"			APRON WING SPACER
A408	X	5	9'-0"	X	⚠	WING 1 VERT. B.F.
A409	X	14	8'-11"	X		WING 1 VERT. B.F.
A410	X	6	3'-3"		⚠	WING 1 VERT. B.F.
A411	X	1	3'-11"			WING 1 VERT. B.F.
A412	X	7	5'-2"		⚠	WING 1 VERT. B.F.
A413	X	4	3'-3"		⚠	WING 1 VERT. F.F.
A414	X	6	2'-11"			WING 1 VERT. F.F.
A415	X	6	4'-7"		⚠	WING 1 VERT. F.F.
A416	X	4	12'-10"			WING 1 HORIZ. E.F.
A417	X	2	11'-3"			WING 1 HORIZ. E.F.
A418	X	2	7'-3"			WING 1 HORIZ. E.F.
A419	X	2	3'-3"			WING 1 HORIZ. E.F.
A520	X	2	8'-8"	X		WING 1 DIAG. E.F.
A521	X	2	4'-3"			WING 1 DIAG. E.F.
A422	X	5	9'-0"	X	⚠	WING 2 VERT. B.F.
A423	X	13	8'-11"	X		WING 2 VERT. B.F.
A424	X	5	3'-2"		⚠	WING 2 VERT. B.F.
A425	X	3	3'-11"			WING 2 VERT. B.F.
A426	X	5	5'-4"		⚠	WING 2 VERT. B.F.
A427	X	6	3'-9"		⚠	WING 2 VERT. F.F.
A428	X	4	2'-11"			WING 2 VERT. F.F.
A429	X	1	3'-11"			WING 2 VERT. F.F.
A430	X	3	5'-4"		⚠	WING 2 VERT. F.F.
A431	X	4	12'-10"			WING 2 HORIZ. E.F.
A432	X	2	11'-3"			WING 2 HORIZ. E.F.
A433	X	2	7'-3"			WING 2 HORIZ. E.F.
A434	X	2	3'-3"			WING 2 HORIZ. E.F.
A535	X	2	9'-8"	X		WING 2 DIAG. E.F.
A536	X	2	3'-4"			WING 2 DIAG. E.F.

⚠ 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 - INLET APRON

BAR MARK	NO. REQ'D.	LENGTH
A404	1 SERIES OF 6	1'-5" TO 10'-1"
A405	1 SERIES OF 6	1'-5" TO 10'-1"
A406	1 SERIES OF 11	7'-10" TO 19'-4"
A408	1 SERIES OF 5	8'-5" TO 9'-7"
A410	1 SERIES OF 6	2'-7" TO 3'-11"
A412	1 SERIES OF 7	4'-5" TO 5'-11"
A413	1 SERIES OF 4	2'-5" to 4'-1"
A415	1 SERIES OF 6	3'-3" TO 5'-11"
A422	1 SERIES OF 5	8'-5" TO 9'-7"
A424	1 SERIES OF 5	2'-7" TO 3'-9"
A426	1 SERIES OF 5	4'-10" TO 5'-10"
A427	1 SERIES OF 6	2'-5" TO 5'-1"
A430	1 SERIES OF 3	4'-10" TO 5'-10"

BILL OF BARS - OUTLET APRON

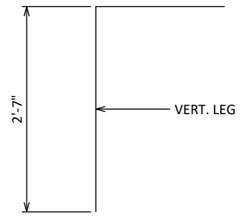
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
B401		6	12'-3"			CUTOFF WALL HORIZ.
B402		13	5'-7"	X		CUTOFF WALL VERT.
B403		7	11'-6"			APRON LONG.
B404		3	6'-4"		⚠	APRON LONG. WING 4
B405		3	6'-4"		⚠	APRON LONG WING 3
B406		11	10'-1"		⚠	APRON TRANS.
B407		2	10'-2"			APRON WING SPACER
B408	X	4	8'-11"	X	⚠	WING 3 VERT. B.F.
B409	X	13	8'-11"	X		WING 3 VERT. B.F.
B410	X	5	3'-1"		⚠	WING 3 VERT. B.F.
B411	X	3	3'-11"			WING 3 VERT. B.F.
B412	X	5	5'-5"		⚠	WING 3 VERT. B.F.
B413	X	5	3'-8"		⚠	WING 3 VERT. F.F.
B414	X	4	2'-11"			WING 3 VERT. F.F.
B415	X	1	3'-11"			WING 3 VERT. F.F.
B416	X	3	5'-4"		⚠	WING 3 VERT. F.F.
B417	X	4	11'-8"			WING 3 HORIZ. E.F.
B418	X	2	10'-3"			WING 3 HORIZ. E.F.
B419	X	2	6'-7"			WING 3 HORIZ. E.F.
B420	X	2	2'-11"			WING 3 HORIZ. E.F.
B521	X	2	9'-0"	X		WING 3 DIAG. E.F.
B522	X	2	2'-10"			WING 3 DIAG. E.F.
B423	X	4	8'-11"	X	⚠	WING 4 VERT. B.F.
B424	X	13	8'-11"	X		WING 4 VERT. B.F.
B425	X	6	3'-2"		⚠	WING 4 VERT. B.F.
B426	X	1	3'-11"			WING 4 VERT. B.F.
B427	X	6	5'-2"		⚠	WING 4 VERT. B.F.
B428	X	5	3'-6"		⚠	WING 4 VERT. F.F.
B429	X	5	2'-11"			WING 4 VERT. F.F.
B430	X	5	4'-11"		⚠	WING 4 VERT. F.F.
B431	X	4	11'-8"			WING 4 HORIZ. E.F.
B432	X	2	10'-3"			WING 4 HORIZ. E.F.
B433	X	2	6'-7"			WING 4 HORIZ. E.F.
B434	X	2	2'-11"			WING 4 HORIZ. E.F.
B535	X	2	8'-0"	X		WING 4 DIAG. E.F.
B536	X	2	3'-11"			WING 4 DIAG. E.F.

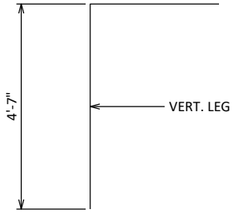
⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE - OUTLET APRON

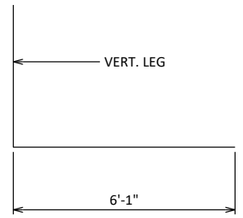
BAR MARK	NO. REQ'D.	LENGTH
B404	1 SERIES OF 3	2'-7" TO 10'-1"
B405	1 SERIES OF 3	2'-7" TO 10'-1"
B406	1 SERIES OF 11	7'-5" TO 12'-9"
B408	1 SERIES OF 4	8'-5" TO 9'-5"
B410	1 SERIES OF 5	2'-6" TO 3'-8"
B412	1 SERIES OF 5	4'-11" TO 5'-11"
B413	1 SERIES OF 5	2'-5" to 4'-11"
B416	1 SERIES OF 3	4'-9" TO 5'-11"
B423	1 SERIES OF 4	8'-5" TO 9'-5"
B425	1 SERIES OF 6	2'-5" TO 3'-11"
B427	1 SERIES OF 6	4'-6" TO 5'-10"
B428	1 SERIES OF 5	2'-5" TO 4'-7"
B430	1 SERIES OF 5	3'-11" TO 5'-11"



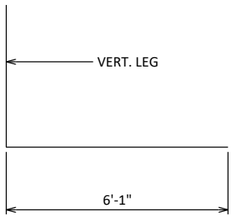
A402



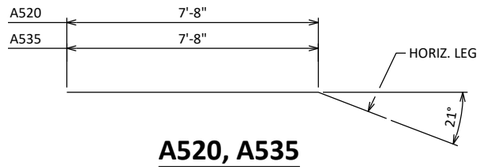
B402



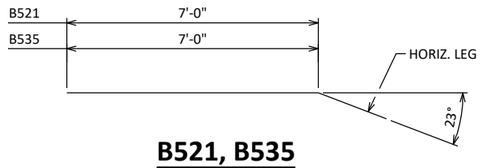
A408, A409
A422, A423



B408, B409
B423, B424



A520, A535



B521, B535

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-13-2093

DRAWN BY RAC | PLANS CK'D CJM

APRON BAR STEEL DETAILS

SHEET 10 OF 10

8

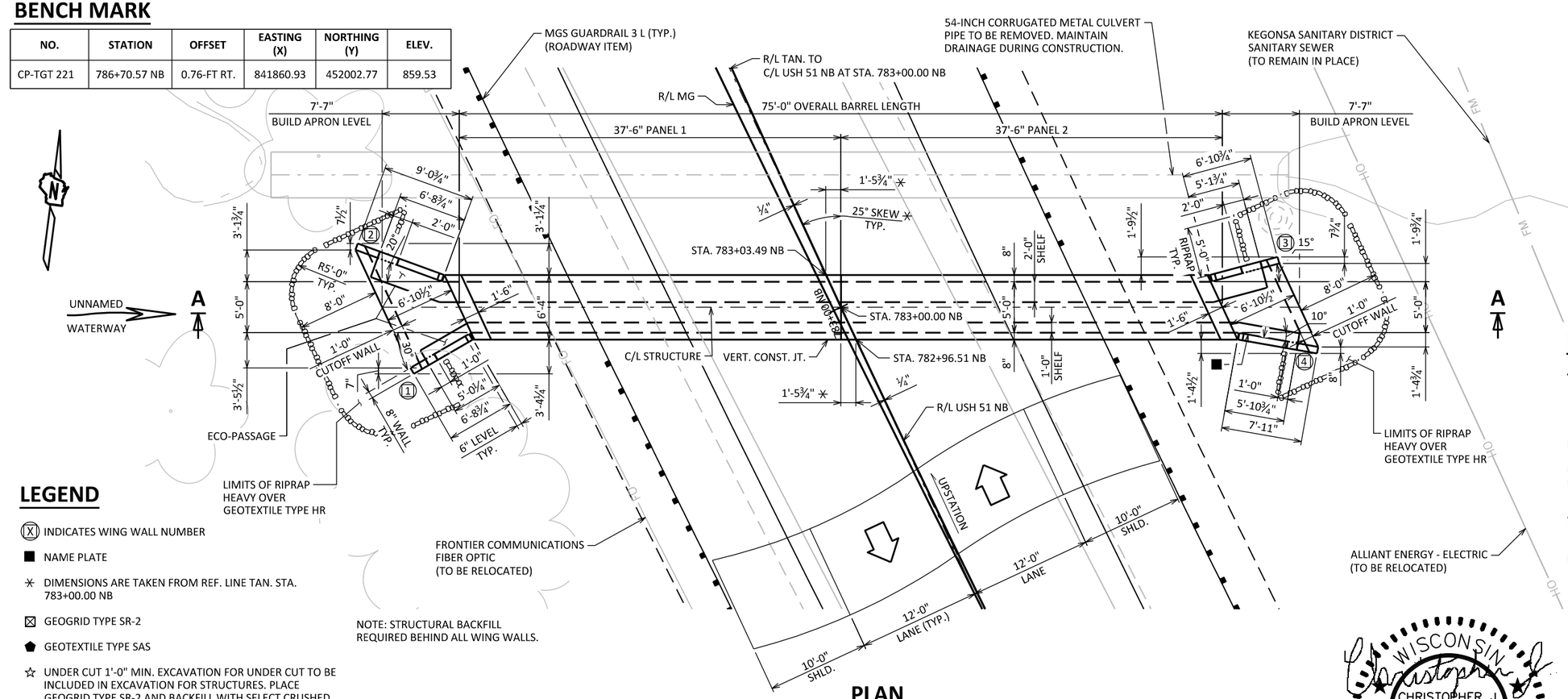
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BENCH MARK

NO.	STATION	OFFSET	EASTING (X)	NORTHING (Y)	ELEV.
CP-TGT 221	786+70.57 NB	0.76-FT RT.	841860.93	452002.77	859.53

STATE PROJECT NUMBER

5845-16-75



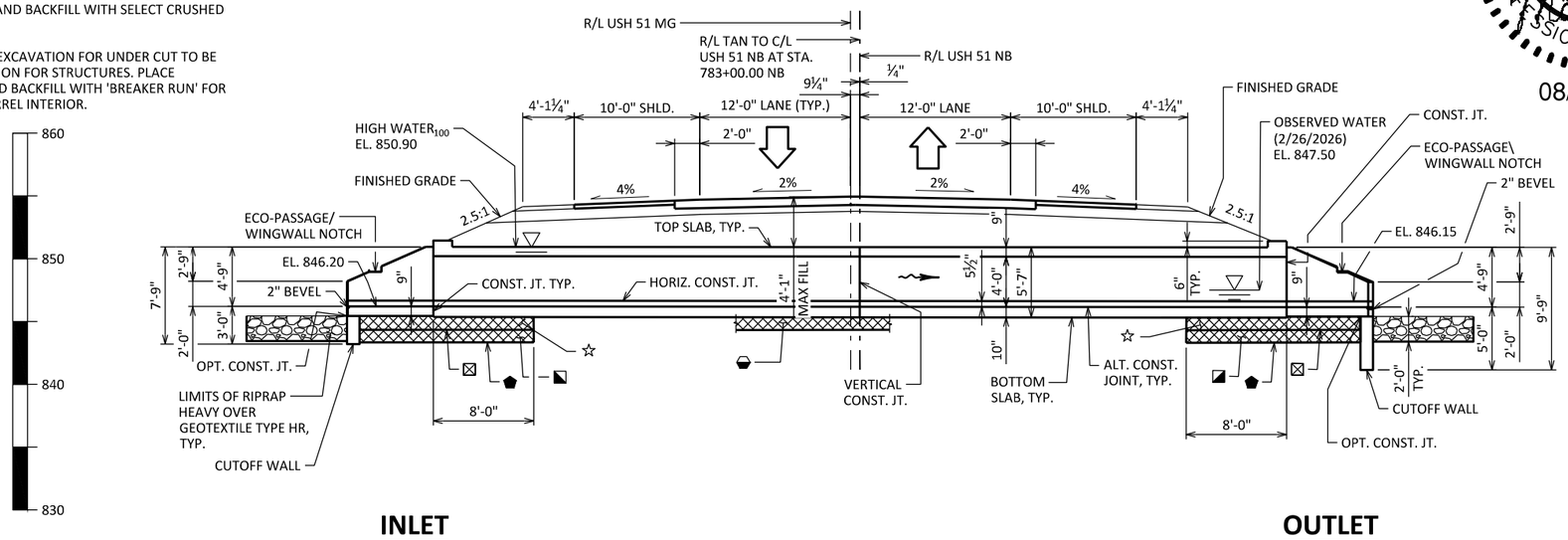
NOTE: STRUCTURAL BACKFILL REQUIRED BEHIND ALL WING WALLS.

PLAN

SINGLE CELL CONCRETE BOX CULVERT WITH TWO INTERIOR ECO-PASSAGES

LEGEND

- (X) INDICATES WING WALL NUMBER
- ■ NAME PLATE
- ✳ DIMENSIONS ARE TAKEN FROM REF. LINE TAN. STA. 783+00.00 NB
- ☒ GEOGRID TYPE SR-2
- ⬟ GEOTEXTILE TYPE SAS
- ☆ UNDER CUT 1'-0" MIN. EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE GEOGRID TYPE SR-2 AND BACKFILL WITH SELECT CRUSHED MATERIAL.
- ◪ ADDITIONAL 1'-0" EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE GEOTEXTILE TYPE SAS AND BACKFILL WITH SELECT CRUSHED MATERIAL.
- ◓ UNDERCUT 1'-0" MIN. EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE GEOTEXTILE TYPE C AND BACKFILL WITH 'BREAKER RUN' FOR AREAS UNDER THE BARREL INTERIOR.



INLET

OUTLET

SECTION A-A

LOOKING NORTH (UPSTATION) NORMAL TO C/L STRUCTURE
ROADWAY DIMENSIONS ARE NORMAL TO USH 51 NB

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING: RF = 1.39
OPERATING RATING: RF = 1.80
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 (KIPS)

MATERIAL PROPERTIES:

CONCRETE MASONRY:
ALL — f'_c = 3,500 PSI

BAR STEEL REINFORCEMENT
GRADE 60 — f_y = 60,000 PSI

EARTH LOAD:
DESIGNED FOR FILL HEIGHT RANGE OF 3'-6" TO 4'-6" FEET.

HYDRAULIC DATA

100-YEAR FREQUENCY:

Q_{100}= 118 C.F.S.
Q THRU C-13-2094 = 118 C.F.S.
Q THRU C-13-2093 = 202 C.F.S.
V_{100}= 9.4 F.P.S.
HW_{100}= EL. 850.90
WATERWAY AREA = 13.0 SQ. FT.
DRAINAGE AREA = 2.84 SQ. MI.
ROADWAY OVERTOPPING = N/A
SCOUR CRITICAL CODE = 8

2-YEAR FREQUENCY:

Q_2= 40 C.F.S.
V_2= 3.5 F.P.S.
HW_2= EL. 848.96

TRAFFIC DATA

USH 51 NB:

ADT = 14,300 (2027)
ADT = 15,400 (2047)
R.D.S. = 60 MPH

CURVE DATA

R/L USH 51 NB

P.I. = 783+60.73 NB
Δ = 8°34'15" RT
D = 3°10'59"
T = 134.88'
L = 269.26'
R = 1800.00'
S.E. = N/A
P.C. = 782+25.84 NB
P.T. = 784+95.11 NB

LIST OF DRAWINGS:

1. GENERAL PLANS
2. CROSS SECTION, NOTES, & QUANTITIES
3. SUBSURFACE EXPLORATION
4. BARREL REINFORCEMENT
5. BARREL DETAILS
6. SHELF REINFORCEMENT
7. INLET APRON DETAILS
8. OUTLET APRON DETAILS
9. APRON DETAILS
10. APRON BAR STEEL DETAILS



08/07/2026

STRUCTURE DESIGN CONTACTS:
CHRISTOPHER MARCUM, P.E. 715-861-4823
AARON BONK, P.E. 608-261-0261

NO.	DATE	REVISION	BY

JT ENGINEERING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED JLR 08/10/26
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-13-2094

USH 51 OVER UNNAMED WATERWAY

COUNTY	TOWN
DANE	DUNN

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

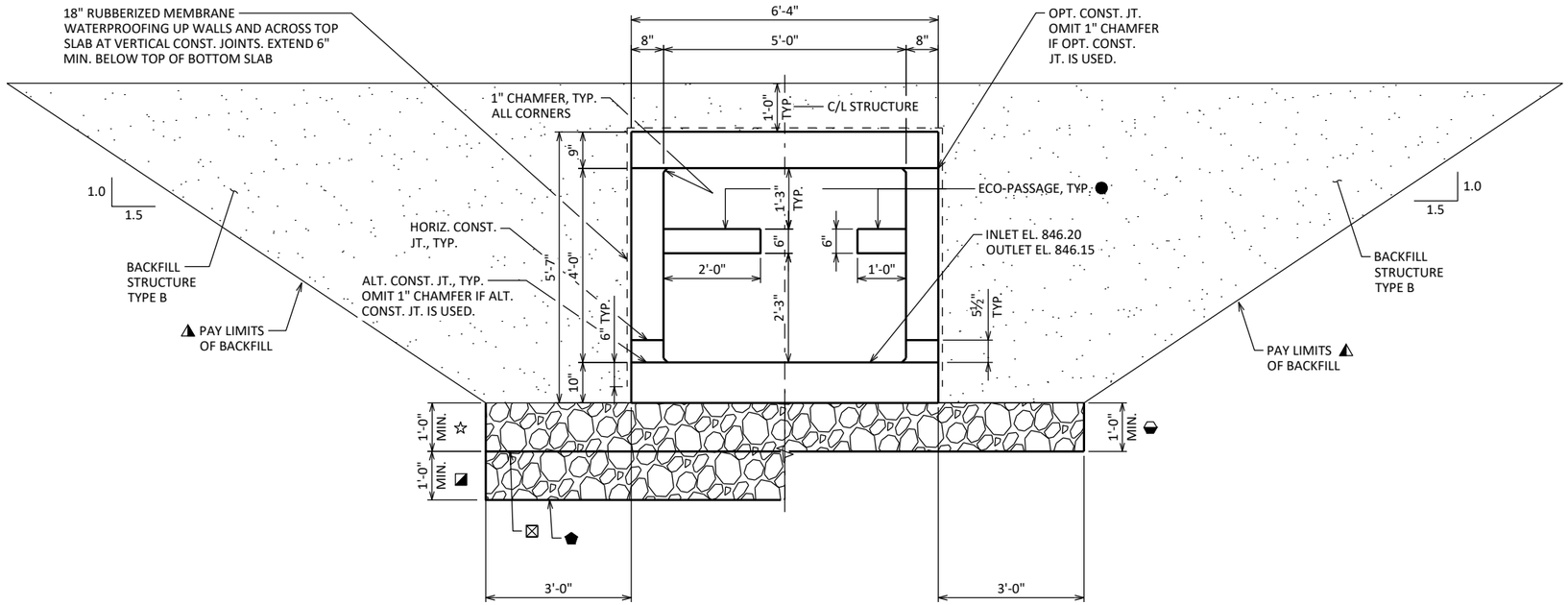
DESIGNED BY	DESIGN CK'D	DRAWN BY	PLANS CK'D
RAC	CJM	RAC	CJM

GENERAL PLANS

SHEET 1 OF 10
345

I.D. 5845-16-04 DATE: AUGUST 2026

8 8

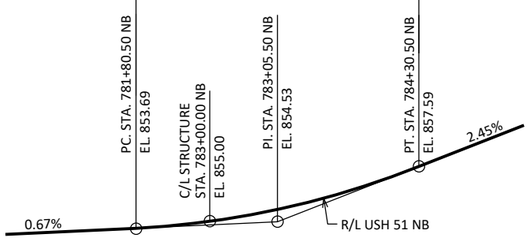


APRON AND BARREL ENDS UNDERCUT

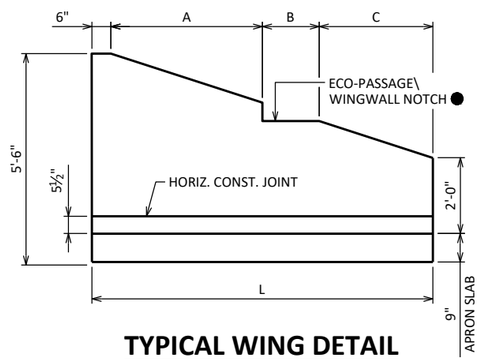
BARREL UNDERCUT

TYPICAL SECTION THRU BOX CULVERT

SHOWING BACKFILL LIMITS
LOOKING DOWNSTREAM



PROFILE GRADE LINE



TYPICAL WING DETAIL

SEE TABLE FOR DIMENSIONS PER WING

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
A01 203.0220	REMOVING STRUCTURE 54-INCH CORRUGATED METAL CULVERT PIPE	EACH	1
206.2001	EXCAVATION FOR STRUCTURE CULVERTS C-13-2094	EACH	1
210.2500	BACKFILL STRUCTURE TYPE B	TON	645
311.0110	BREAKER RUN	TON	50
312.0110	SELECT CRUSHED MATERIAL	TON	60
504.0100	CONCRETE MASONRY CULVERTS	CY	58
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	5,520
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	590
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	11
606.0300	RIPRAP HEAVY	CY	26
645.0105	GEOTEXTILE TYPE C	SY	95
645.0120	GEOTEXTILE TYPE HR	SY	70
645.0140	GEOTEXTILE TYPE SAS	SY	60
645.0145.S	GEOGRID TYPE SR-2	SY	60
	NON-BID ITEMS		
	NAME PLATE	EACH	1
	FILLER	SIZE	½", ¾"

ALL C-13-2094 BID ITEMS ARE CATEGORY 0040.

LEGEND

- ⊠ GEOGRID TYPE SR-2
- ⬟ GEOTEXTILE TYPE SAS
- ☆ UNDER CUT 1'-0" MIN. EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE GEOGRID TYPE SR-2 AND BACKFILL WITH SELECT CRUSHED MATERIAL.
- ◪ ADDITIONAL 1'-0" EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE GEOTEXTILE TYPE SAS AND BACKFILL WITH SELECT CRUSHED MATERIAL.
- ⬙ UNDERCUT 1'-0" MIN. EXCAVATION FOR UNDER CUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE GEOTEXTILE TYPE C AND BACKFILL WITH 'BREAKER RUN' FOR AREAS UNDER THE BARREL INTERIOR.
- A01 SEQUENCE REMOVAL OF EXISTING CULVERT TO MAINTAIN CONTINUOUS DRAINAGE OF DRAINAGE WAY DURING CONSTRUCTION
- ● TRANSVERSELY TINE TOP OF SHELF. WORK INCIDENTAL TO "CONCRETE MASONRY CULVERTS".
- ⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

WING DIMENSIONS

	DIMENSIONS			
WING	L	A	B	C
1	6'-8¾"	3'-6¼"	1'-0"	1'-8½"
2	9'-0¾"	4'-2¾"	2'-0"	2'-4"
3	6'-10¾"	2'-7¾"	2'-0"	1'-9"
4	7'-11"	4'-4¾"	1'-0"	2'-0¼"

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.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMIT OF "EXCAVATION FOR STRUCTURES CULVERTS C-13-2094" SHALL BE THE EXISTING GROUNDLINE.

IN LIEU OF USING BREAKER RUN, SELECT CRUSHED MATERIAL, FOR THE BOX CONSTRUCTION PLATFORM, THE CONTRACTOR MAY ELECT TO SUBSTITUTE COARSE AGGREGATE AASHTO NO. 67 OR AASHTO NO. 4 IN ACCORDANCE WITH STANDARD SPEC 310 AND 604, RESPECTIVELY, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL. CONTACT THE REGION GEOTECHNICAL ENGINEER TO DETERMINE IF "OTHER GRANULAR MATERIAL" IS ACCEPTABLE.

ALL VOLUME WHICH CANNOT BE PLACED BEFORE CULVERT CONSTRUCTION AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL WITHIN THE LENGTH OF THE CULVERT INCLUDING THE APRON WING WALLS.

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 APRON WINGS FOR A WIDTH OF 3 FEET. BACKFILL PLACED BEYOND PAY LIMITS OR EXCEEDING PLAN QUANTITIES SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES.

THE CONCRETE IN THE CUT OFF WALL MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

THE "ALTERNATE CUTOFF WALL" DETAIL SHOWN ON SHEET 9 MAY BE USED IN LIEU OF THE CAST-IN-PLACE CONCRETE CUTOFF WALLS. PAYMENT SHALL BE BASED ON CAST-IN-PLACE CONCRETE CUTOFF WALLS.

PLACE 18" MIN. WIDE SHEET OF "RUBBERIZED MEMBRANE WATERPROOFING" ON TOP SLAB OVER ALL CONSTRUCTION JOINTS AND EXTEND 6" MIN. BELOW TOP OF BOTTOM SLAB.

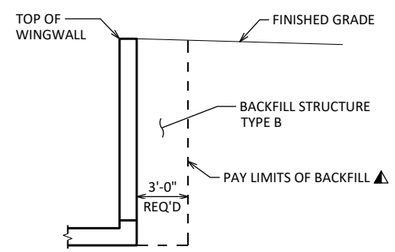
PREFORMED FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION M153, TYPE I, II, OR III OR M213.

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS. LOCATE NAME PLATE ON WING 4.

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OVERHEAD UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

"REMOVING STRUCTURE CULVERT" INCLUDES REMOVING EXISTING 54-INCH CORRUGATED METAL CULVERT PIPE AND THE ASSOCIATED INLET AND OUTLET APRONS, WINGWALLS, AND HEADWALLS.

PRECAST CULVERT BARREL, SHELVES, WINGWALLS, AND APRONS NOT ALLOWED.



TYPICAL SECTION THRU BOX CULVERT WINGWALL

STATE PROJECT NUMBER

5845-16-75

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-13-2094

DRAWN BY RAC | PLANS CK'D CJM

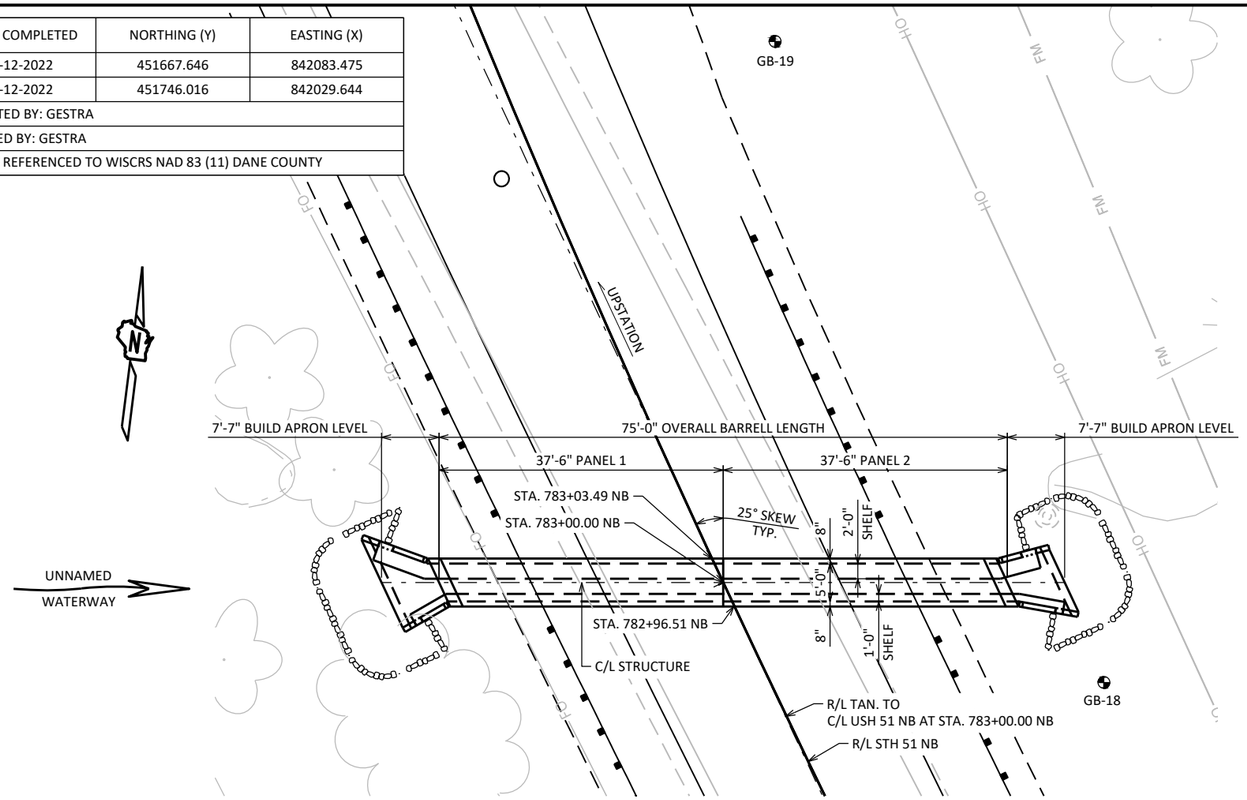
CROSS SECTION, NOTES, AND QUANTITIES

SHEET 2 OF 10
346

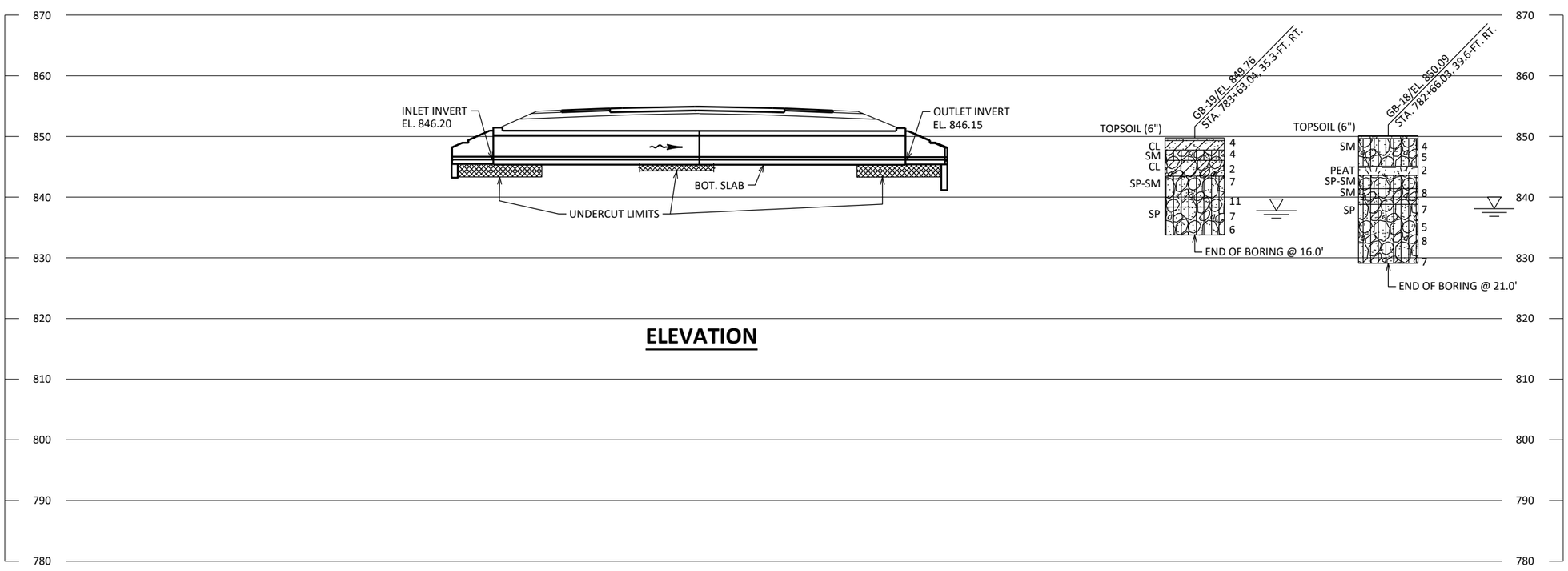
8

8

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
GB-18	1-12-2022	451667.646	842083.475
GB-19	1-12-2022	451746.016	842029.644
BORINGS COMPLETED BY: GESTRA			
REPORT COMPLETED BY: GESTRA			
ALL COORDINATES REFERENCED TO WISCRS NAD 83 (11) DANE COUNTY			



PLAN



ELEVATION

NOTES

THE SUBSURFACE INFORMATION PRESENTED HEREIN IS AN ABBREVIATED VERSION OF THE INFORMATION PRESENTED IN THE GEOTECHNICAL ENGINEERING REPORT. REVIEW THE APPROPRIATE GEOTECHNICAL REPORT AND SOIL BORING LOGS FOR ADDITIONAL SUBSURFACE INFORMATION.

BORING STATIONS AND OFFSET ARE BASED ON R/L USH 51 NB.

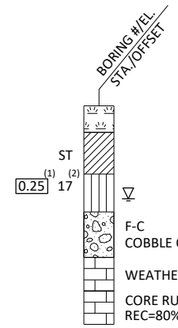
STATE PROJECT NUMBER

5845-16-75

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 C-13-2094

DRAWN BY RAC | PLANS CK'D CJM

SUBSURFACE EXPLORATION

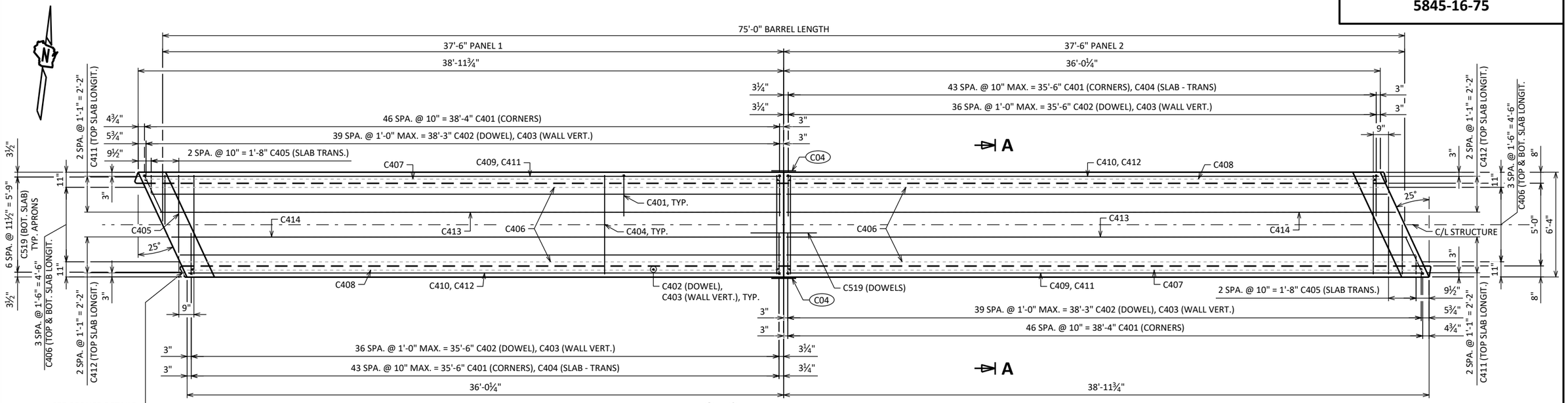
SHEET 3 OF 10
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8

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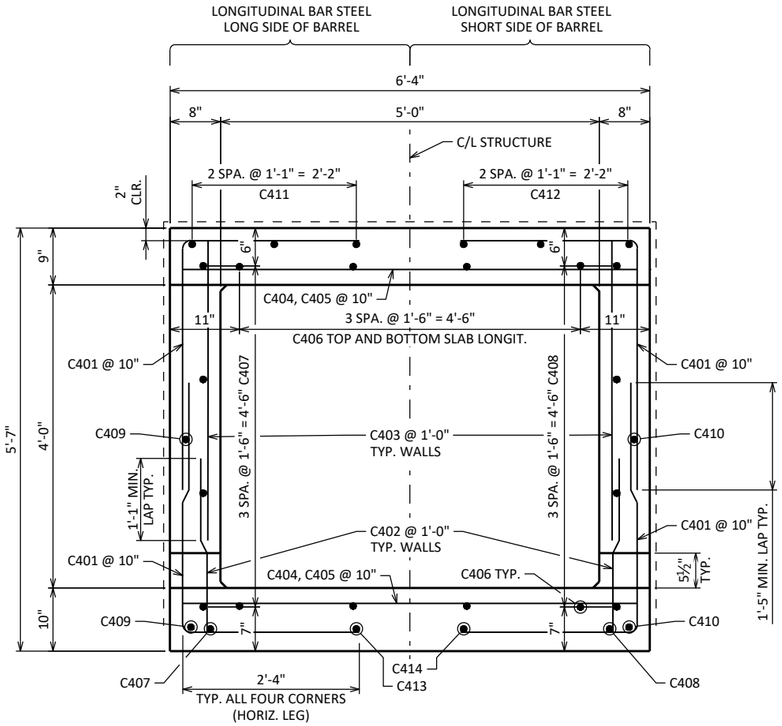
STATE PROJECT NUMBER

5845-16-75



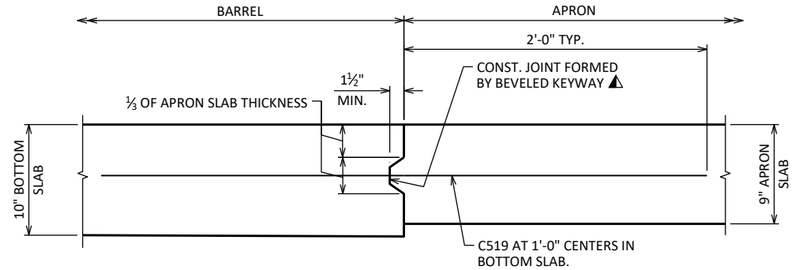
REINFORCEMENT PLAN

SHELFS, WINGS & APRONS NOT SHOWN FOR CLARITY



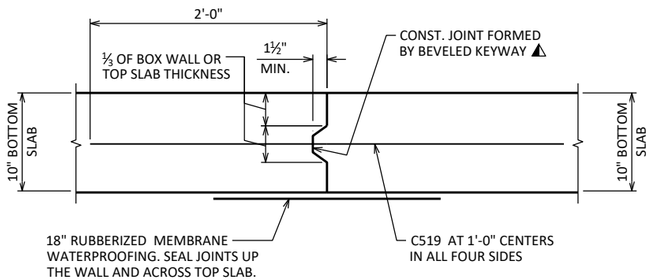
SECTION A

SHOWING BARREL REINFORCEMENT
SHELF DETAILS OMITTED FOR CLARITY



APRON CONNECTION DETAIL

⚠ IN LIEU OF CONSTRUCTION JOINTS IN THE BOTTOM SLAB, THE CONTRACTOR MAY USE 2" DEEP SAW CUTS WITHIN 12 HOURS AFTER POURING. #5 BARS 4'-0" AT 1'-0" CENTERS REQUIRED.



VERTICAL CONSTRUCTION JOINT

⚠ IN LIEU OF CONSTRUCTION JOINTS IN THE BOTTOM SLAB, THE CONTRACTOR MAY USE 2" DEEP SAW CUTS WITHIN 12 HOURS AFTER POURING. #5 BARS 4'-0" AT 1'-0" CENTERS REQUIRED.

LEGEND

- C01 HORIZONTAL CONSTRUCTION JOINT
- C02 ALT. CONST. JOINT. OMIT 1" FILLET IF ALT. CONST. JOINT IS USED
- C03 OPTIONAL CONST. JOINT OMIT 1" FILLET IF OPTIONAL CONST. JOINT IS USED
- C04 18" MIN. WIDTH RUBBERIZED MEMBRANE WATERPROOFING (RMW) UP WALLS AND ACROSS TOP OF SLAB AND VERTICAL CONSTRUCTION JOINT. EXTEND RMW 6" MIN. BELOW THE TOP OF BOT. SLAB. SEE DETAIL ON SHEET 2.

NOTES

FOR BARREL BILL OF BARS, SEE BARREL DETAIL SHEET 5.

FOR SHELF REINFORCEMENT, SEE SHEET 6.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-13-2094

DRAWN BY RAC | PLANS CK'D CJM

BARREL REINFORCEMENT

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BILL OF BARS - BARREL

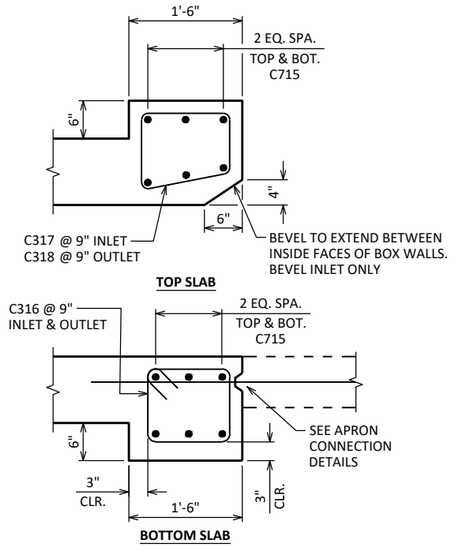
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
C401		364	5'-7"	X		CORNERS - VERT.
C402		154	2'-4"			BOT. SLAB - VERT. DOWELS
C403		154	3'-11"			WALL - VERT.
C404		176	6'-0"			TOP & BOT. SLAB - TRANS.
C405		12	2'-10"		⚠	TOP & BOT. SLAB - TRANS
C406		16	37'-1"		⚠	SLAB - LONGIT.
C407		10	38'-4"			WALL LONGIT.
C408		10	35'-10"			WALL LONGIT.
C409		4	38'-6"			WALL LONGIT.
C410		4	35'-9"			WALL LONGIT.
C411		6	37'-11"		⚠	TOP SLAB - LONGIT.
C412		6	36'-3"		⚠	TOP SLAB - LONGIT.
C413		2	37'-5"			BOT. SLAB - LONGIT.
C414		2	36'-9"			BOT. SLAB - LONGIT.
C715		24	6'-7"			HEADER - TRANS.
C316		20	4'-9"	X		HEADER - VERT.
C317		10	4'-5"	X		INLET HEADER - VERT.
C318		10	4'-9"	X		OUTLET HEADER - VERT.
C519		38	4'-0"			CONST. JT./APRON DOWELS

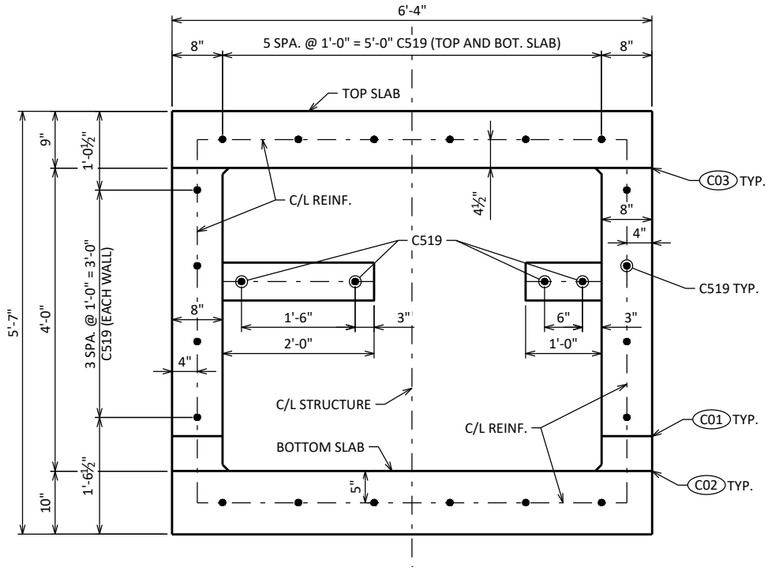
⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE - BARREL

BAR MARK	NO. REQ'D.	LENGTH
C405	4 SERIES OF 3	1'-1" TO 4'-7"
C406	4 SERIES OF 4	36'-1" TO 38'1"
C411	2 SERIES OF 3	37'-5" TO 38'-5"
C412	2 SERIES OF 3	35'-9" TO 36'-9"

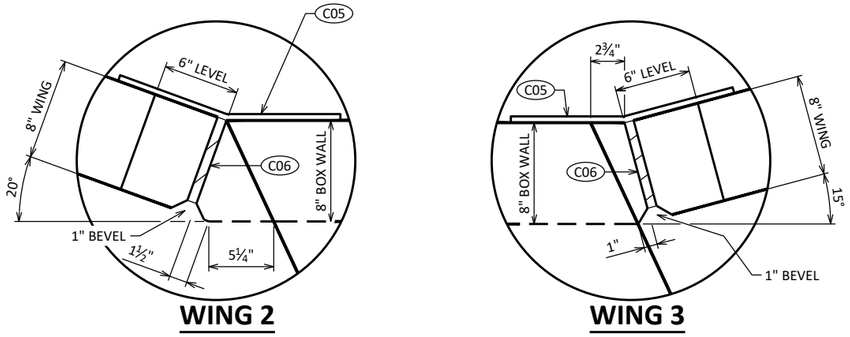


SECTION THRU HEADER



SECTION THRU CONST. JT.

18" RUBBERIZE MEMBRANE WATERPROOFING AT VERT. CONSTRUCTION JOINT NOT SHOWN. SEE DETAIL ON SHEET 2.



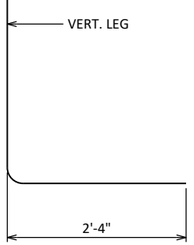
WING 2

WING 3

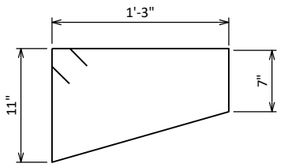
WING 1

WING 4

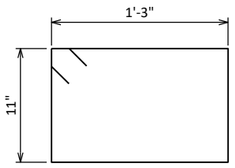
CORNER DETAILS



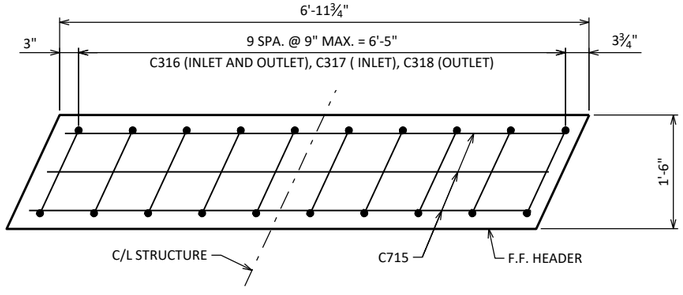
C401



C317



C316, C318



HEADER PLAN

SHOWING HEADER REINFORCEMENT
INLET AND OUTLET SIMILAR

LEGEND

- (C01) HORIZONTAL CONSTRUCTION JOINT
- (C02) ALT. CONST. JOINT. OMIT 1" FILLET IF ALT. CONST. JOINT IS USED
- (C03) OPTIONAL CONST. JOINT OMIT 1" FILLET IF OPTIONAL CONST. JOINT IS USED
- (C05) 18" RUBBERIZED MEMBRANE WATERPROOFING EXTEND FROM HORIZ. CONST. JT. TO TOP OF WALL (FLUSH WITH FACE OF CONCRETE)
- (C06) ¾" FILLER TO EXTEND FROM HORIZONTAL CONSTRUCTION JOINT TO TOP OF WING. FILLER IS INCLUDED IN WING LENGTH.
- ○ ½" BEVEL IS BARREL WALL SIDE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-13-2094

DRAWN BY RAC | PLANS CK'D CJM

BARREL DETAILS

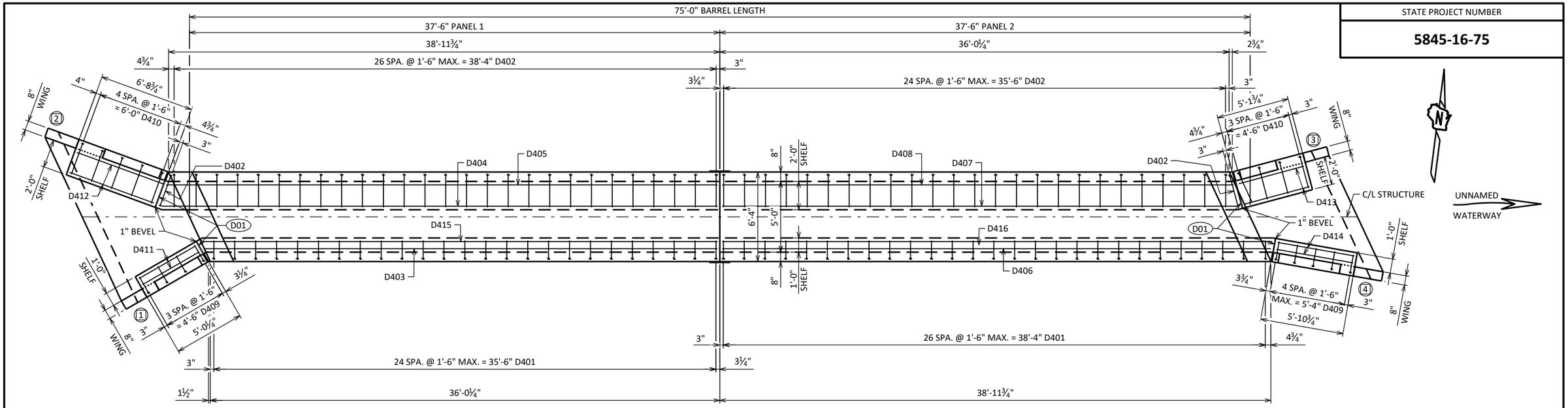
SHEET 5 OF 10

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NOTE

DO NOT EXTEND REINFORCEMENT
THRU JOINT FILLER OF SHELVES

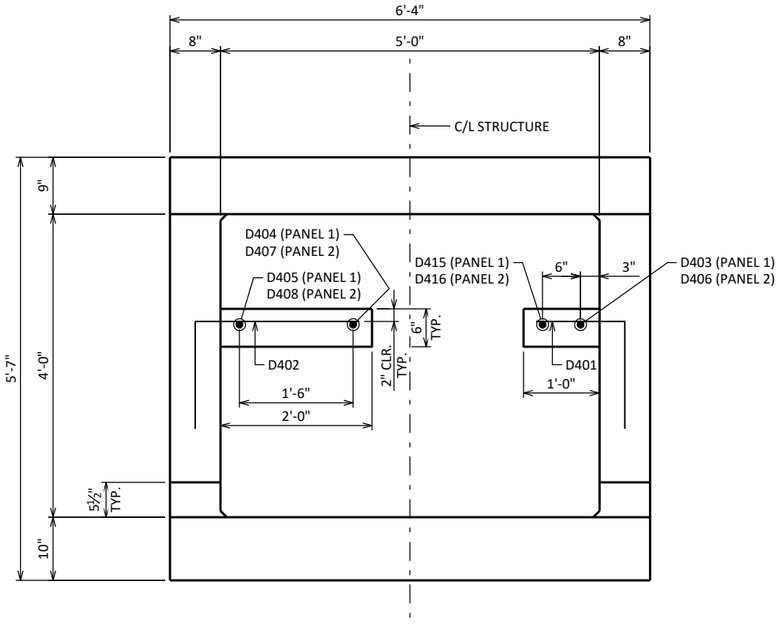
REINFORCEMENT PLAN

SHOWING SHELF REINFORCEMENT

BILL OF BARS - SHELVES

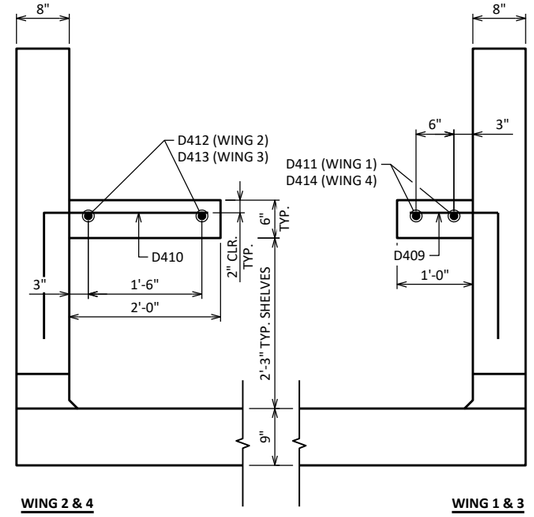
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
D401		52	2'-6"	X		SHELF - TRANS.
D402		54	3'-6"	X		SHELF - TRANS.
D403		1	36'-1"			SHELF - LONGIT. PANEL 1
D404		1	39'-5"	X		SHELF - LONGIT. PANEL 1
D405		1	38'-11"			SHELF - LONGIT. PANEL 1
D406		1	38'-9"			SHELF - LONGIT. PANEL 2
D407		1	36'-4"			SHELF - LONGIT. PANEL 2
D408		1	36'-1"			SHELF - LONGIT. PANEL 2
D409	X	9	2'-9"	X		SHELF - TRANS. WING 1 & 4
D410	X	9	3'-9"	X		SHELF - TRANS. WING 2 & 3
D411	X	2	4'-7"			SHELF - LONGIT. WING 1
D412	X	2	6'-4"			SHELF - LONGIT. WING 2
D413	X	2	4'-9"			SHELF - LONGIT. WING 3
D414	X	2	5'-6"			SHELF - LONGIT. WING 4
D415		1	36'-6"	X		SHELF - LONGIT. PANEL 1
D416		1	38'-10"			SHELF - LONGIT. PANEL 2



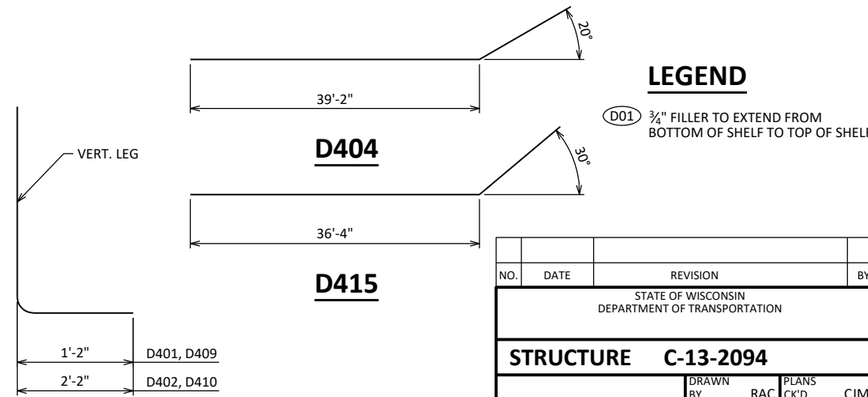
SECTION THRU BARREL

SHOWING SHELF REINFORCEMENT
(LOOKING DOWNSTREAM)



SECTION THRU WINGS

LOOKING DOWNSTREAM



D401, D402, D409, D410

LEGEND

(D01) ¾" FILLER TO EXTEND FROM BOTTOM OF SHELF TO TOP OF SHELF.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-13-2094

DRAWN BY RAC | PLANS CK'D CJM

SHELF REINFORCEMENT

SHEET 6 OF 10

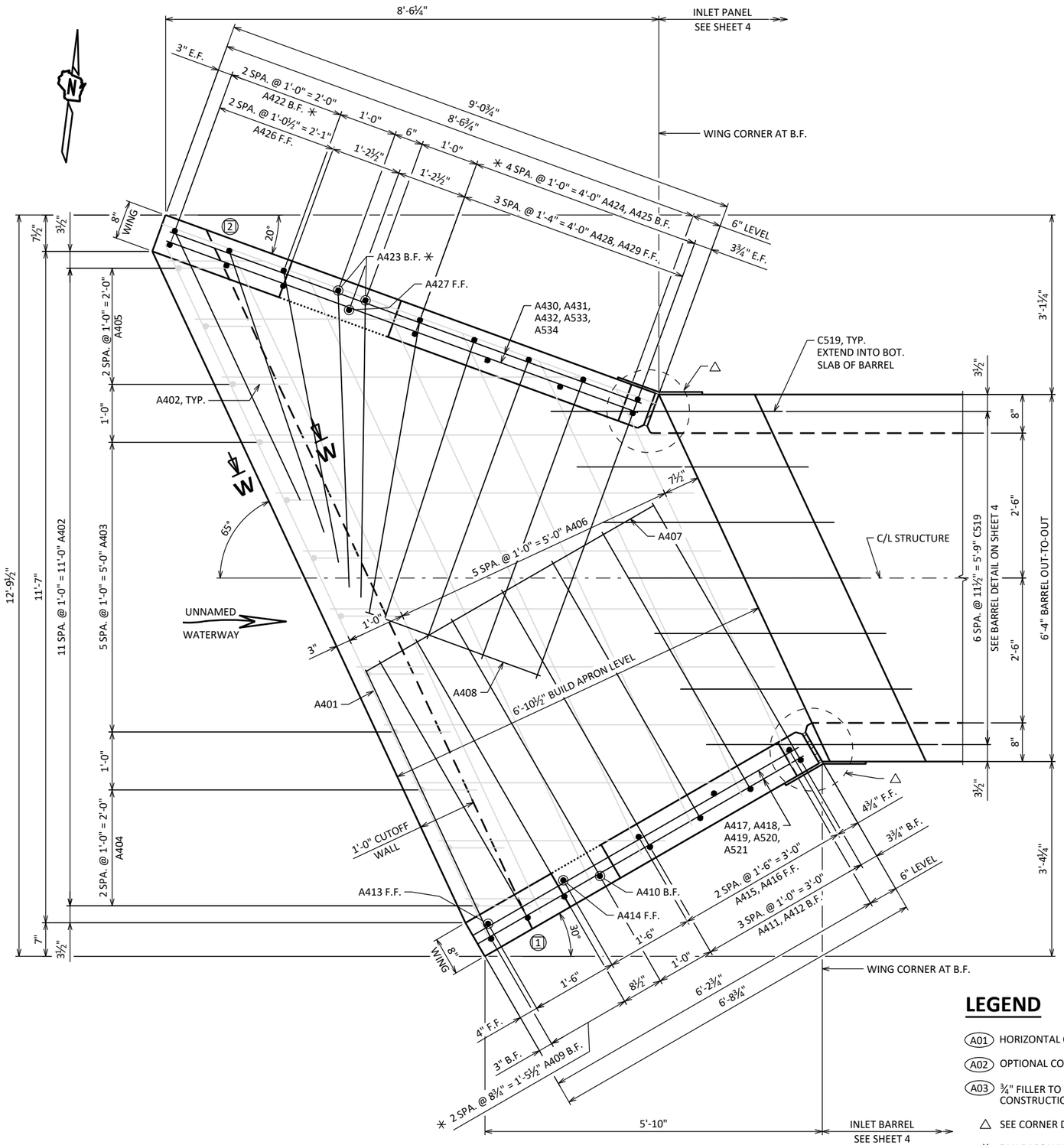
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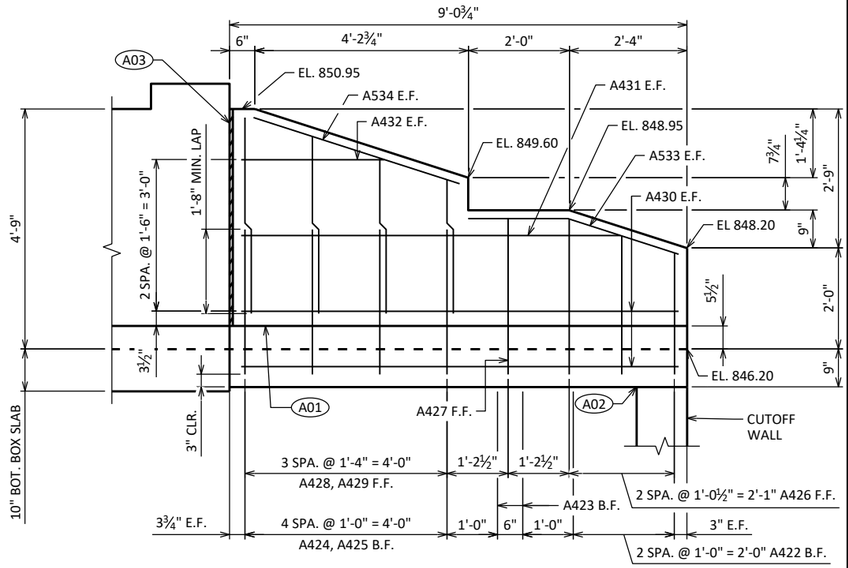
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5845-16-75

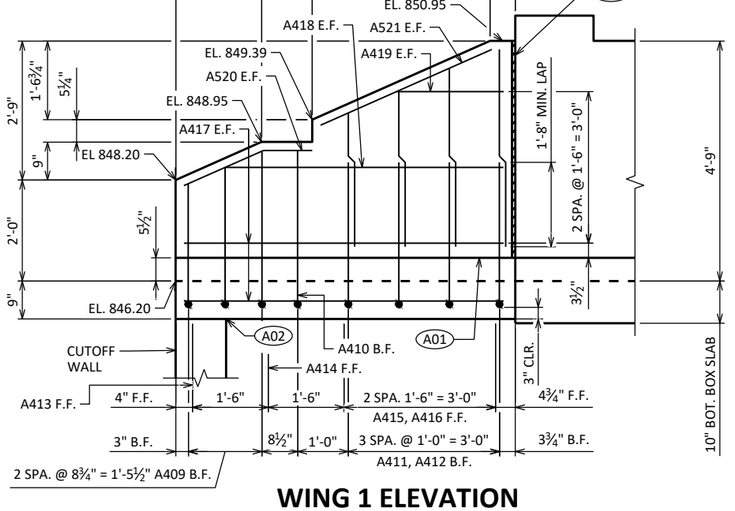


INLET APRON PLAN



WING 2 ELEVATION

LOOKING AT BACK FACE, SHOWING FRONT FACE REINFORCEMENT



WING 1 ELEVATION

LOOKING AT BACK FACE, SHOWING BACK FACE REINFORCEMENT

LEGEND

- (A01) HORIZONTAL CONSTRUCTION JOINT
- (A02) OPTIONAL CONSTRUCTION JOINT
- (A03) ¾" FILLER TO EXTEND FROM HORIZONTAL CONSTRUCTION JOINT TO TOP OF WING
- △ SEE CORNER DETAILS ON SHEET 5
- ✳ FAN BARS WHEN NECESSARY

B.F. = BACK FACE
F.F. = FRONT FACE
E.F. = EACH FACE

NOTES

SEE SECTION W-W ON SHEET 9.

FOR BILL OF BARS, SEE APRON BAR STEEL DETAILS ON SHEET 10.

FOR SECTION THRU CUTOFF WALLS, SEE APRON DETAILS ON SHEET 9.

DO NOT EXTEND REINFORCEMENT THRU JOINT FILLER.

SEE CORNER DETAILS ON SHEET 5.

SHELF DETAILS OMITTED FOR CLARITY. SEE SHEET 6 FOR DETAILS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-13-2094

DRAWN BY RAC | PLANS CK'D CJM

INLET APRON DETAILS

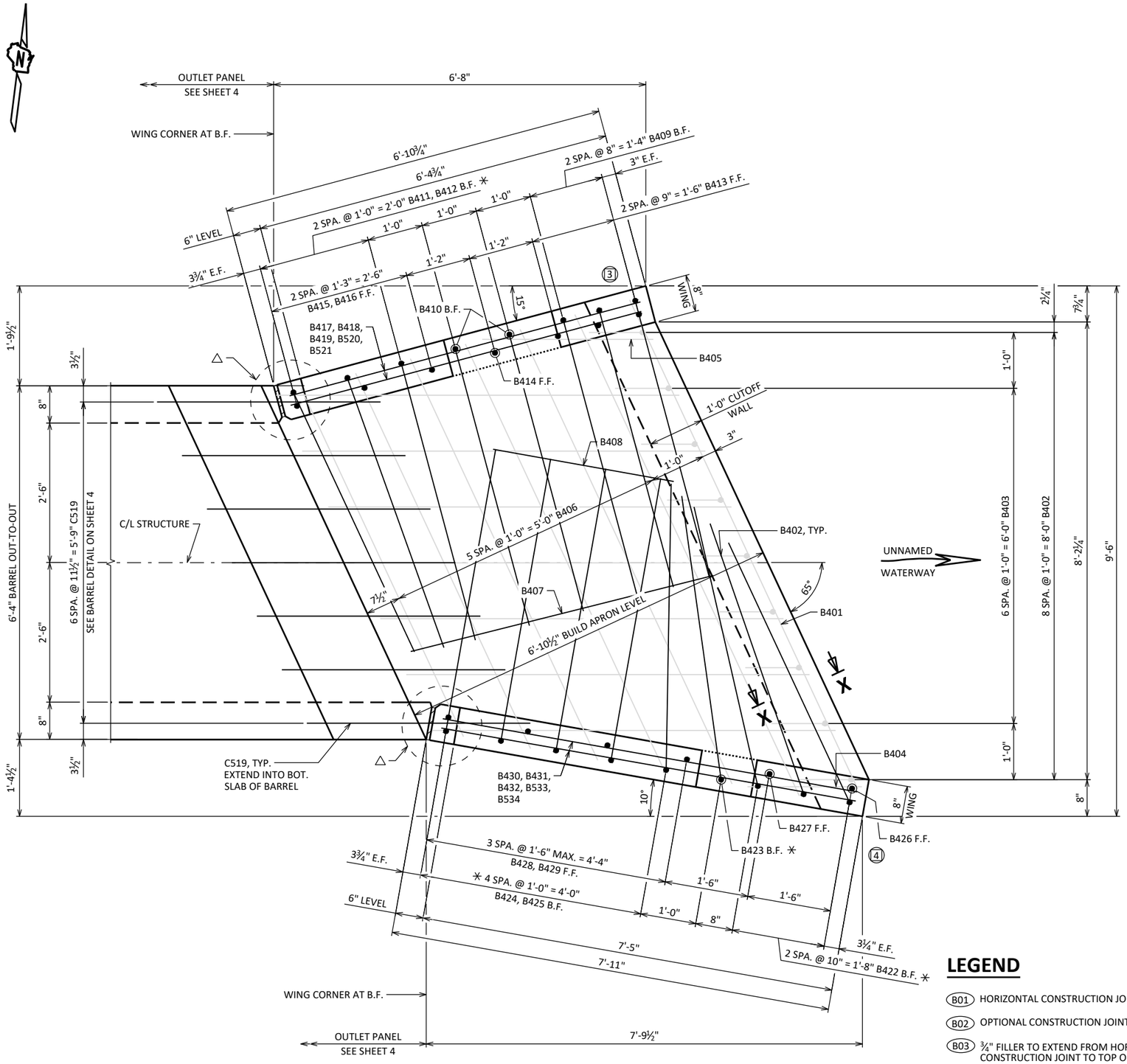
SHEET 7 OF 10
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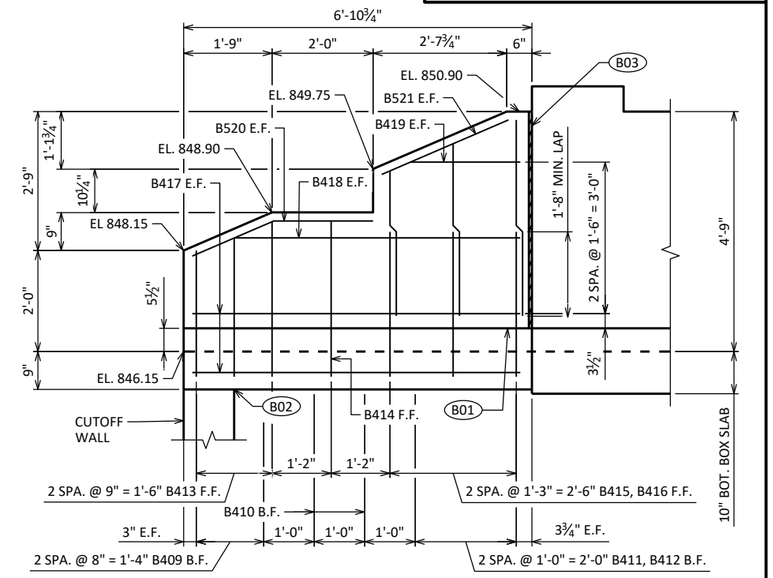
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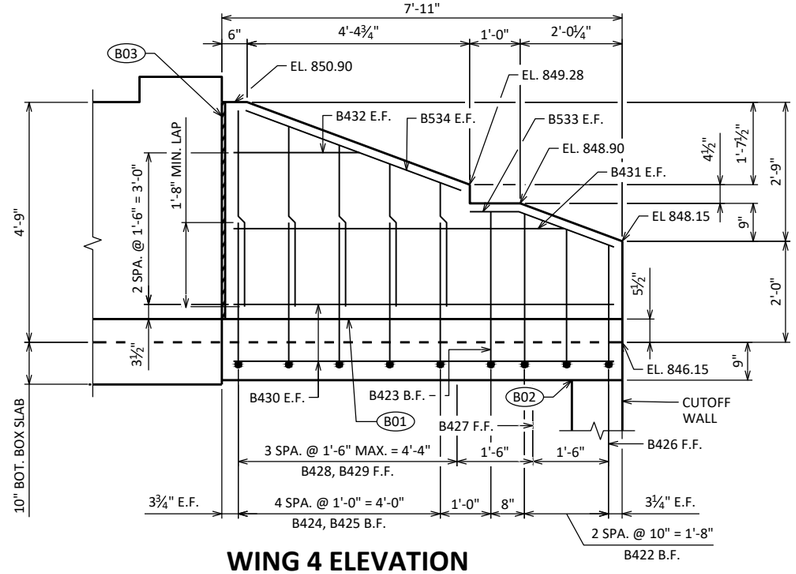


OUTLET APRON PLAN



WING 3 ELEVATION

LOOKING AT BACK FACE, SHOWING FRONT FACE REINFORCEMENT



WING 4 ELEVATION

LOOKING AT BACK FACE, SHOWING BACK FACE REINFORCEMENT

LEGEND

- (B01) HORIZONTAL CONSTRUCTION JOINT
- (B02) OPTIONAL CONSTRUCTION JOINT
- (B03) ¾" FILLER TO EXTEND FROM HORIZONTAL CONSTRUCTION JOINT TO TOP OF WING
- △ SEE CORNER DETAILS ON SHEET 5
- ✳ FAN BARS WHEN NECESSARY

B.F. = BACK FACE
F.F. = FRONT FACE
E.F. = EACH FACE

NOTES

SEE SECTION X-X ON SHEET 9.

FOR BILL OF BARS, SEE APRON BAR STEEL DETAILS ON SHEET 10.

FOR SECTION THRU CUTOFF WALLS, SEE APRON DETAILS ON SHEET 9.

DO NOT EXTEND REINFORCEMENT THRU JOINT FILLER.

SEE CORNER DETAILS ON SHEET 5.

SHELF DETAILS OMITTED FOR CLARITY. SEE SHEET 6 FOR DETAILS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-13-2094

DRAWN BY RAC | PLANS CK'D CJM

OUTLET APRON DETAILS

SHEET 8 OF 10

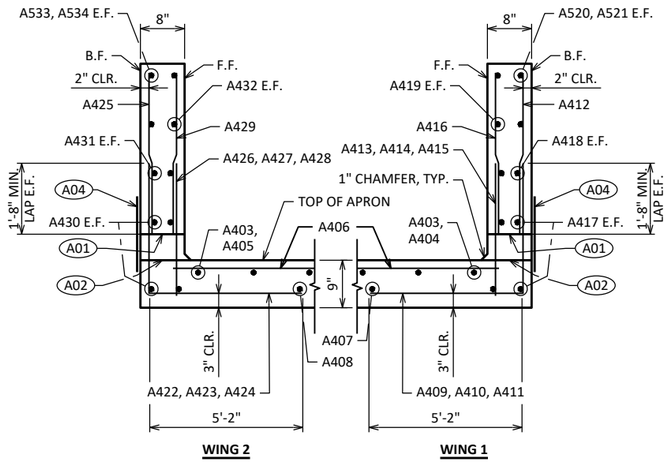
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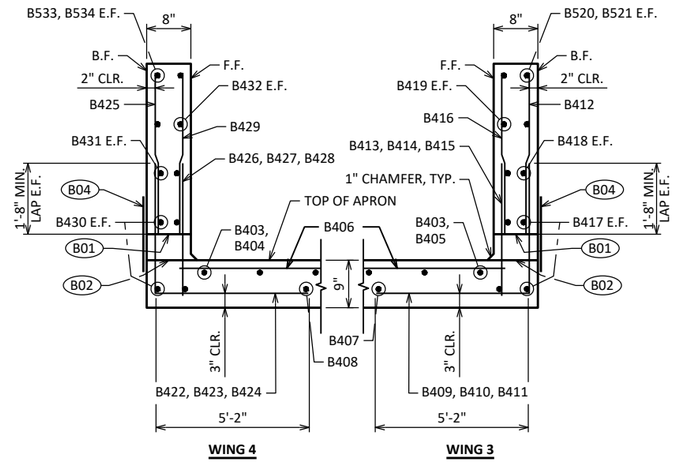
STATE PROJECT NUMBER

5845-16-75



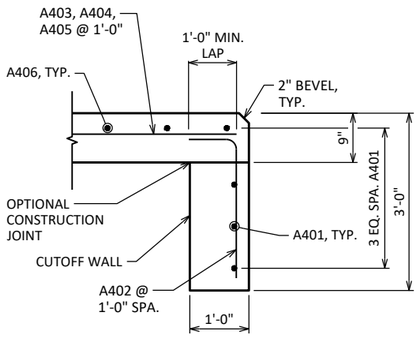
SECTION THRU INLET WINGS

SHELF DETAILS OMITTED FOR CLARITY. SEE SHEET 6 FOR DETAILS.



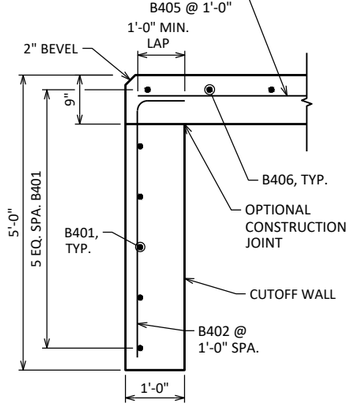
SECTION THRU OUTLET WINGS

SHELF DETAILS OMITTED FOR CLARITY. SEE SHEET 6 FOR DETAILS.



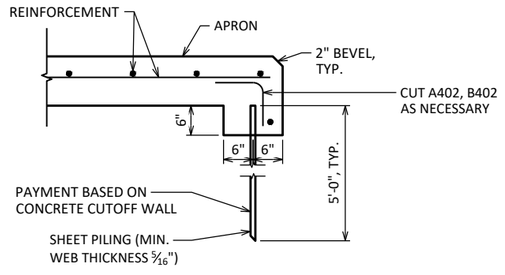
SECTION W-W

INLET CUTOFF WALL



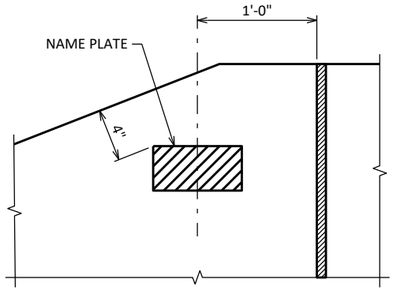
SECTION X-X

OUTLET CUTOFF WALL



ALTERNATE CUTOFF WALL

THE ABOVE ALTERNATIVE MAY BE USED IN LIEU OF CAST-IN-PLACE CONCRETE CUTOFF WALLS. PAYMENT WILL BE USED BASED ON THE CONCRETE CUTOFF WALLS.



NAME PLATE DETAIL

WING 4

NOTES

FOR SECTION W-W LOCATION SEE SHEET 7.

FOR SECTION X-X LOCATION SEE SHEET 8.

FOR BILL OF BARS, SEE APRON BAR STEEL DETAILS ON SHEET 10.

LEGEND

(A01) (B01) HORIZONTAL CONSTRUCTION JOINT

(A02) (B02) OPTIONAL CONSTRUCTION JOINT

(A04) (B04) 18" MIN. WIDTH RUBBERIZED MEMBRANE WATERPROOFING ALONG HORIZ. CONST. FOR ENTIRE LENGTH OF WING, TYP.

B.F. = BACK FACE
F.F. = FRONT FACE
E.F. = EACH FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-13-2094

DRAWN BY RAC | PLANS CK'D CJM

APRON DETAILS

SHEET 9 OF 10

353

8

8

STATE PROJECT NUMBER

5845-16-75

BILL OF BARS - INLET APRON

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
A401		4	13'-3"			CUTOFF WALL HORIZ.
A402		12	3'-7"	X		CUTOFF WALL VERT.
A403		6	7'-2"			APRON LONG.
A404		3	3'-7"		⚠	APRON LONG. WING 1
A405		3	4'-2"		⚠	APRON LONG WING 2
A406		6	9'-10"		⚠	APRON TRANS.
A407		1	5'-11"			APRON WING 1 SPACER
A408		1	3'-4"			APRON WING 2 SPACER
A409	X	3	7'-9"	X	⚠	WING 1 VERT. B.F.
A410	X	1	8'-1"	X		WING 1 VERT. B.F.
A411	X	4	7'-11"	X		WING 1 VERT. B.F.
A412	X	4	3'-3"		⚠	WING 1 VERT. B.F.
A413	X	1	2'-5"			WING 1 VERT. F.F.
A414	X	1	3'-0"			WING 1 VERT. F.F.
A415	X	3	2'-10"			WING 1 VERT. F.F.
A416	X	3	3'-2"		⚠	WING 1 VERT. F.F.
A417	X	4	6'-3"			WING 1 HORIZ. E.F.
A418	X	2	5'-6"			WING 1 HORIZ. E.F.
A419	X	2	2'-1"			WING 1 HORIZ. E.F.
A520	X	2	2'-8"	X		WING 1 DIAG. E.F.
A521	X	2	3'-6"			WING 1 DIAG. E.F.
A422	X	3	7'-9"	X	⚠	WING 2 VERT. B.F.
A423	X	2	8'-1"	X		WING 2 VERT. B.F.
A424	X	5	7'-11"	X		WING 2 VERT. B.F.
A425	X	5	3'-3"		⚠	WING 2 VERT. B.F.
A426	X	3	2'-8"		⚠	WING 2 VERT. F.F.
A427	X	1	3'-0"			WING 2 VERT. F.F.
A428	X	4	2'-10"			WING 2 VERT. F.F.
A429	X	4	3'-3"		⚠	WING 2 VERT. F.F.
A430	X	4	8'-7"			WING 2 HORIZ. E.F.
A431	X	2	7'-5"			WING 2 HORIZ. E.F.
A432	X	2	2'-9"			WING 2 HORIZ. E.F.
A533	X	2	4'-1"	X		WING 2 DIAG. E.F.
A534	X	2	4'-0"			WING 2 DIAG. E.F.

⚠ 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 - INLET APRON

BAR MARK	NO. REQ'D.	LENGTH
A404	1 SERIES OF 3	1'-4" TO 5'-10"
A405	1 SERIES OF 3	1'-11" TO 6'-5"
A406	1 SERIES OF 6	7'-1" TO 12'-7"
A409	1 SERIES OF 3	7'-5" TO 8'-1"
A412	1 SERIES OF 4	2'-7" TO 3'-11"
A416	1 SERIES OF 3	2'-5" TO 3'-11"
A422	1 SERIES OF 3	7'-5" TO 8'-1"
A425	1 SERIES OF 5	2'-7" TO 3'-11"
A426	1 SERIES OF 3	2'-4" TO 3'-0"
A429	1 SERIES OF 4	2'-7" TO 3'-11"

BILL OF BARS - OUTLET APRON

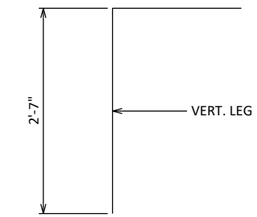
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BAR MARK	COAT	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
B401		6	9'-7"			CUTOFF WALL HORIZ.
B402		9	5'-7"	X		CUTOFF WALL VERT.
B403		7	7'-2"			APRON LONG.
B404		1	2'-8"			APRON LONG. WING 4
B405		1	2'-6"			APRON LONG WING 3
B406		6	8'-2"		⚠	APRON TRANS.
B407		1	5'-6"			APRON WING 3 SPACER
B408		1	3'-9"			APRON WING 4 SPACER
B409	X	3	7'-9"	X	⚠	WING 3 VERT. B.F.
B410	X	2	8'-1"	X		WING 3 VERT. B.F.
B411	X	3	7'-11"	X		WING 3 VERT. B.F.
B412	X	3	3'-6"		⚠	WING 3 VERT. B.F.
B413	X	3	2'-8"		⚠	WING 3 VERT. F.F.
B414	X	1	3'-1"			WING 3 VERT. F.F.
B415	X	3	2'-10"			WING 3 VERT. F.F.
B416	X	3	3'-5"		⚠	WING 3 VERT. F.F.
B417	X	4	6'-5"			WING 3 HORIZ. E.F.
B418	X	2	5'-7"			WING 3 HORIZ. E.F.
B419	X	2	2'-2"			WING 3 HORIZ. E.F.
B520	X	2	3'-8"	X		WING 3 DIAG. E.F.
B521	X	2	2'-7"			WING 3 DIAG. E.F.
B422	X	3	7'-9"	X	⚠	WING 4 VERT. B.F.
B423	X	1	8'-1"	X		WING 4 VERT. B.F.
B424	X	5	7'-11"	X		WING 4 VERT. B.F.
B425	X	5	3'-2"		⚠	WING 4 VERT. B.F.
B426	X	1	2'-4"			WING 4 VERT. F.F.
B427	X	1	2'-11"			WING 4 VERT. F.F.
B428	X	4	2'-10"			WING 4 VERT. F.F.
B429	X	4	3'-1"		⚠	WING 4 VERT. F.F.
B430	X	4	7'-6"			WING 4 HORIZ. E.F.
B431	X	2	6'-6"			WING 4 HORIZ. E.F.
B432	X	2	2'-5"			WING 4 HORIZ. E.F.
B533	X	2	2'-11"	X		WING 4 DIAG. E.F.
B534	X	2	4'-3"			WING 4 DIAG. E.F.

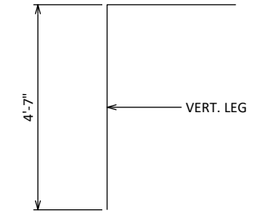
⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE - OUTLET APRON

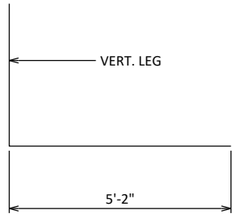
BAR MARK	NO. REQ'D.	LENGTH
B406	1 SERIES OF 6	6'-10" TO 9'-6"
B409	1 SERIES OF 3	7'-6" TO 8'-0"
B412	1 SERIES OF 3	3'-1" TO 3'-11"
B413	1 SERIES OF 3	2'-4" TO 3'-0"
B416	1 SERIES OF 3	2'-11" TO 3'-11"
B422	1 SERIES OF 3	7'-5" TO 8'-1"
B425	1 SERIES OF 5	2'-5" TO 3'-11"
B429	1 SERIES OF 4	2'-3" TO 3'-11"



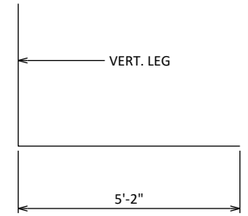
A402



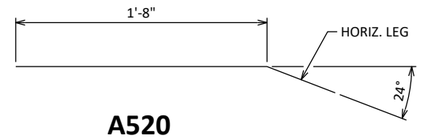
B402



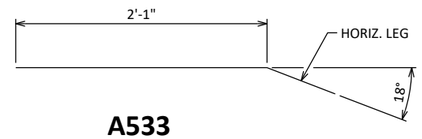
A409, A410, A411, A422, A423, A424



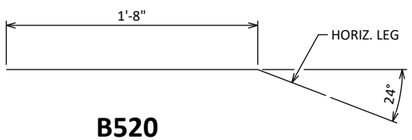
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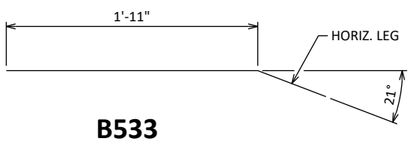
A520



A533



B520



B533

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-13-2094

DRAWN BY RAC | PLANS CK'D CJM

APRON BAR STEEL DETAILS

SHEET 10 OF 10

8

8

DIVISION 1 - US 51 NB

STATION	DISTANCE	AREA (SF)					INCREMENTAL VOL (CY) (UNADJUSTED)					CUMULATIVE VOL (CY)				
		CUT	FILL	MARSH EXC	ROCK EXC	EBS	CUT	FILL	MARSH EXC	ROCK EXC	EBS	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	EXPANDED ROCK	REDUCED EBS IN FILL
							NOTE 1	NOTE 3			NOTE 5	1.00 NOTE 1	1.25	1.50 NOTE 4	1.15	0.80 NOTE 4
688+05.00	0.00	64.20	0.91	0.00	0.00	3.21	0	0	0	0	0	0	0	0	0	0
688+50.00	45.00	77.34	0.00	0.00	0.00	3.87	118	1	0	0	6	118	1	0	0	5
689+00.00	50.00	76.18	13.92	0.00	0.00	3.81	142	13	0	0	7	260	18	0	0	10
689+50.00	50.00	112.96	10.43	0.00	0.00	5.65	175	23	0	0	9	435	46	0	0	18
690+00.00	50.00	95.98	17.97	0.00	0.00	4.80	193	26	0	0	10	628	79	0	0	26
690+50.00	50.00	83.86	24.21	0.00	0.00	4.19	167	39	0	0	8	795	128	0	0	32
691+00.00	50.00	79.68	32.40	0.00	0.00	3.98	151	52	0	0	8	946	193	0	0	38
691+50.00	50.00	84.01	25.05	0.00	0.00	4.20	152	53	0	0	8	1,098	259	0	0	45
692+00.00	50.00	78.57	25.92	0.00	0.00	3.93	151	47	0	0	8	1,249	318	0	0	51
692+50.00	50.00	74.58	26.36	0.00	0.00	3.73	142	48	0	0	7	1,391	378	0	0	57
693+00.00	50.00	91.13	24.14	0.00	0.00	4.56	153	47	0	0	8	1,544	436	0	0	63
693+50.00	50.00	234.88	22.46	0.00	0.00	11.74	302	43	0	0	15	1,846	490	0	0	75
694+00.00	50.00	412.31	21.43	0.00	0.00	20.62	599	41	0	0	30	2,445	541	0	0	99
694+50.00	50.00	309.39	22.85	0.00	0.00	15.47	668	41	0	0	33	3,113	593	0	0	126
695+00.00	50.00	205.64	22.16	0.00	0.00	10.28	477	42	0	0	24	3,590	645	0	0	145
695+50.00	50.00	251.92	17.38	0.00	0.00	12.60	424	37	0	0	21	4,014	691	0	0	162
696+00.00	50.00	303.27	14.63	0.00	0.00	15.16	514	30	0	0	26	4,528	729	0	0	182
696+50.00	50.00	309.54	12.88	0.00	0.00	15.48	567	25	0	0	28	5,095	760	0	0	205
697+00.00	50.00	287.89	16.55	0.00	0.00	14.39	553	27	0	0	28	5,648	794	0	0	227
697+50.00	50.00	294.48	19.90	0.00	0.00	14.72	539	34	0	0	27	6,187	836	0	0	249
698+00.00	50.00	387.15	15.80	0.00	0.00	19.36	631	33	0	0	32	6,818	878	0	0	274
698+50.00	50.00	467.95	11.11	0.00	0.00	23.40	792	25	0	0	40	7,610	909	0	0	306
699+00.00	50.00	485.08	11.55	0.00	0.00	24.25	882	21	0	0	44	8,492	935	0	0	342
699+50.00	50.00	379.90	16.03	0.00	0.00	19.00	801	26	0	0	40	9,293	968	0	0	374
700+00.00	50.00	318.01	17.87	0.00	0.00	15.90	646	31	0	0	32	9,939	1,006	0	0	399
700+50.00	50.00	195.91	24.55	0.00	0.00	9.80	476	39	0	0	24	10,415	1,055	0	0	418
701+00.00	50.00	165.67	36.87	0.00	0.00	8.28	335	57	0	0	17	10,750	1,126	0	0	432
701+50.00	50.00	155.89	46.97	0.00	0.00	7.79	298	78	0	0	15	11,048	1,224	0	0	444
702+00.00	50.00	281.47	63.80	0.00	0.00	14.07	405	103	0	0	20	11,453	1,353	0	0	460
702+50.00	50.00	348.61	85.68	0.00	0.00	17.43	583	138	0	0	29	12,036	1,525	0	0	483
703+00.00	50.00	409.20	101.09	0.00	0.00	20.46	702	173	0	0	35	12,738	1,741	0	0	511
703+50.00	50.00	376.54	119.80	0.00	0.00	18.83	728	205	0	0	36	13,466	1,998	0	0	540
703+50.01	0.01	374.52	119.80	0.00	0.00	18.73	0	0	0	0	0	13,466	1,998	0	0	540
704+00.00	49.99	111.83	35.48	0.00	0.00	5.59	450	144	0	0	23	13,916	2,178	0	0	558
704+50.00	50.00	361.86	15.26	0.00	0.00	18.09	439	47	0	0	22	14,355	2,236	0	0	576
705+00.00	50.00	71.94	122.48	0.00	0.00	3.60	402	128	0	0	20	14,757	2,396	0	0	592
705+50.00	50.00	27.17	164.25	0.00	0.00	1.36	92	265	0	0	5	14,849	2,728	0	0	596
706+00.00	50.00	28.80	182.79	0.00	0.00	1.44	52	321	0	0	3	14,901	3,129	0	0	598
706+50.00	50.00	23.01	214.49	0.00	0.00	1.15	48	368	0	0	2	14,949	3,589	0	0	600
706+74.99	24.99	20.16	182.21	0.00	0.00	1.01	20	184	0	0	1	14,969	3,819	0	0	601
706+75.00	0.01	69.79	183.40	0.00	0.00	3.49	0	0	0	0	0	14,969	3,819	0	0	601
707+00.00	25.00	51.11	173.02	0.00	0.00	2.56	56	165	0	0	3	15,025	4,025	0	0	603
707+50.00	50.00	28.34	163.56	0.00	0.00	1.42	74	312	0	0	4	15,099	4,415	0	0	606
708+00.00	50.00	17.02	189.35	0.00	0.00	0.85	42	327	0	0	2	15,141	4,824	0	0	608
708+50.00	50.00	13.16	205.03	0.00	0.00	0.66	28	365	0	0	1	15,169	5,280	0	0	609

CON'T ON NEXT SHEET

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) REDUCED EBS IN FILL: REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL. REDUCED EBS FACTOR = 0.80.
5) EBS CALCULATED AT 5 PERCENT OF CUT
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

DIVISION 1 - US 51 NB

CON'T ON PREVIOUS SHEET

STATION	DISTANCE	AREA (SF)					INCREMENTAL VOL (CY) (UNADJUSTED)					CUMULATIVE VOL (CY)				
		CUT	FILL	MARSH EXC	ROCK EXC	EBS	CUT NOTE 1	FILL NOTE 3	MARSH EXC	ROCK EXC	EBS NOTE 5	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED MARSH BACKFILL 1.50 NOTE 4	EXPANDED ROCK 1.15	REDUCED EBS IN FILL 0.80 NOTE 4
709+00.00	50.00	12.77	230.51	0.00	0.00	0.64	24	403	0	0	1	15,193	5,784	0	0	610
709+50.00	50.00	12.69	239.86	0.00	0.00	0.63	24	436	0	0	1	15,217	6,329	0	0	610
710+00.00	50.00	12.89	227.47	0.00	0.00	0.64	24	433	0	0	1	15,241	6,870	0	0	611
710+50.00	50.00	13.19	222.05	0.00	0.00	0.66	24	416	0	0	1	15,265	7,390	0	0	612
711+00.00	50.00	13.06	211.16	0.00	0.00	0.65	24	401	0	0	1	15,289	7,891	0	0	613
711+50.00	50.00	13.67	226.05	0.00	0.00	0.68	25	405	0	0	1	15,314	8,398	0	0	614
712+00.00	50.00	13.23	238.80	0.00	0.00	0.66	25	430	0	0	1	15,339	8,935	0	0	614
712+32.41	32.41	13.94	224.98	0.00	0.00	0.70	16	278	0	0	1	15,355	9,283	0	0	615
712+50.00	17.59	14.16	203.44	0.00	0.00	0.71	9	140	0	0	0	15,364	9,458	0	0	615
713+00.00	50.00	15.11	153.90	0.00	0.00	0.76	27	331	0	0	1	15,391	9,871	0	0	616
713+50.00	50.00	17.62	102.13	0.00	0.00	0.88	30	237	0	0	2	15,421	10,168	0	0	618
714+00.00	50.00	20.26	51.71	0.00	0.00	1.01	35	142	0	0	2	15,456	10,345	0	0	619
714+50.00	50.00	28.76	17.19	0.00	0.00	1.44	45	64	0	0	2	15,501	10,425	0	0	621
715+00.00	50.00	66.58	11.20	0.00	0.00	3.33	88	26	0	0	4	15,589	10,458	0	0	624
715+50.00	50.00	121.89	9.58	0.00	0.00	6.09	175	19	0	0	9	15,764	10,481	0	0	631
716+00.00	50.00	161.72	9.93	0.00	0.00	8.09	263	18	0	0	13	16,027	10,504	0	0	642
716+50.00	50.00	232.21	8.29	0.00	0.00	11.61	365	17	0	0	18	16,392	10,525	0	0	656
717+00.00	50.00	259.49	7.47	0.00	0.00	12.97	455	15	0	0	23	16,847	10,544	0	0	674
717+50.00	50.00	210.25	8.30	0.00	0.00	10.51	435	15	0	0	22	17,282	10,563	0	0	692
718+00.00	50.00	202.95	6.94	0.00	0.00	10.15	383	14	0	0	19	17,665	10,580	0	0	707
718+50.00	50.00	179.57	6.99	0.00	0.00	8.98	354	13	0	0	18	18,019	10,596	0	0	722
719+00.00	50.00	154.33	4.83	0.00	0.00	7.72	309	11	0	0	15	18,328	10,610	0	0	734
719+50.00	50.00	123.51	2.87	0.00	0.00	6.18	257	7	0	0	13	18,585	10,619	0	0	744
720+00.00	50.00	114.82	2.56	0.00	0.00	5.74	221	5	0	0	11	18,806	10,625	0	0	753
720+50.00	50.00	84.47	3.21	0.00	0.00	4.22	185	5	0	0	9	18,991	10,631	0	0	760
721+00.00	50.00	46.55	3.40	0.00	0.00	2.33	121	6	0	0	6	19,112	10,639	0	0	765
721+50.00	50.00	39.91	1.30	0.00	0.00	2.00	80	4	0	0	4	19,192	10,644	0	0	768
722+00.00	50.00	38.68	1.83	0.00	0.00	1.93	73	3	0	0	4	19,265	10,648	0	0	771
722+02.29	2.29	84.28	3.24	0.00	0.00	4.21	5	0	0	0	0	19,270	10,648	0	0	771
722+50.00	47.71	79.34	1.26	0.00	0.00	3.97	145	4	0	0	7	19,415	10,653	0	0	777
723+00.00	50.00	83.56	4.26	0.00	0.00	4.18	151	5	0	0	8	19,566	10,659	0	0	783
723+50.00	50.00	80.72	8.85	0.00	0.00	4.04	152	12	0	0	8	19,718	10,674	0	0	790
724+00.00	50.00	80.22	14.55	0.00	0.00	4.01	149	22	0	0	7	19,867	10,701	0	0	795
724+50.00	50.00	76.23	13.04	0.00	0.00	3.81	145	26	0	0	7	20,012	10,734	0	0	801
725+00.00	50.00	79.73	15.43	0.00	0.00	3.99	144	26	0	0	7	20,156	10,766	0	0	806
725+50.00	50.00	80.49	10.31	0.00	0.00	4.02	148	24	0	0	7	20,304	10,796	0	0	812
726+00.00	50.00	84.53	17.68	0.00	0.00	4.23	153	26	0	0	8	20,457	10,829	0	0	818
726+50.00	50.00	79.78	26.03	0.00	0.00	3.99	152	40	0	0	8	20,609	10,879	0	0	825
727+00.00	50.00	71.89	62.66	0.00	0.00	3.59	140	82	0	0	7	20,749	10,981	0	0	830
727+50.00	50.00	71.12	38.83	0.00	0.00	3.56	132	94	0	0	7	20,881	11,099	0	0	836
728+00.00	50.00	66.78	33.40	0.00	0.00	3.34	128	67	0	0	6	21,009	11,183	0	0	841
728+50.00	50.00	68.55	29.30	0.00	0.00	3.43	125	58	0	0	6	21,134	11,255	0	0	846
729+00.00	50.00	72.32	32.02	0.00	0.00	3.62	130	57	0	0	7	21,264	11,326	0	0	851
729+50.00	50.00	69.15	11.37	0.00	0.00	3.46	131	40	0	0	7	21,395	11,376	0	0	857
730+00.00	50.00	71.18	3.71	0.00	0.00	3.56	130	14	0	0	6	21,525	11,394	0	0	862

CON'T ON NEXT SHEET

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) REDUCED EBS IN FILL: REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL. REDUCED EBS FACTOR = 0.80.
5) EBS CALCULATED AT 5 PERCENT OF CUT
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

CON'T ON PREVIOUS SHEET

STATION	DISTANCE	AREA (SF)					INCREMENTAL VOL (CY) (UNADJUSTED)					CUMULATIVE VOL (CY)				
		CUT	FILL	MARSH EXC	ROCK EXC	EBS	CUT	FILL	MARSH EXC	ROCK EXC	EBS	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	EXPANDED ROCK	REDUCED EBS IN FILL
							NOTE 1	NOTE 3			NOTE 5	1.00 NOTE 1	1.25	1.50 NOTE 4	1.15	0.80 NOTE 4
730+50.00	50.00	71.67	7.21	0.00	0.00	3.58	132	10	0	0	7	21,657	11,406	0	0	867
731+00.00	50.00	77.28	7.94	0.00	0.00	3.86	138	14	0	0	7	21,795	11,424	0	0	873
731+50.00	50.00	110.83	7.44	0.00	0.00	5.54	174	14	0	0	9	21,969	11,441	0	0	880
732+00.00	50.00	153.75	6.35	0.00	0.00	7.69	245	13	0	0	12	22,214	11,458	0	0	890
732+50.00	50.00	101.75	5.40	0.00	0.00	5.09	237	11	0	0	12	22,451	11,471	0	0	899
733+00.00	50.00	66.03	13.06	0.00	0.00	3.30	155	17	0	0	8	22,606	11,493	0	0	906
733+50.00	50.00	69.13	4.58	0.00	0.00	3.46	125	16	0	0	6	22,731	11,513	0	0	910
734+00.00	50.00	70.21	3.92	0.00	0.00	3.51	129	8	0	0	6	22,860	11,523	0	0	915
734+50.00	50.00	65.83	20.09	0.00	0.00	3.29	126	22	0	0	6	22,986	11,550	0	0	920
735+00.00	50.00	66.56	16.52	0.00	0.00	3.33	123	34	0	0	6	23,109	11,593	0	0	925
735+50.00	50.00	67.48	8.12	0.00	0.00	3.37	124	23	0	0	6	23,233	11,621	0	0	930
736+00.00	50.00	66.06	6.03	0.00	0.00	3.30	124	13	0	0	6	23,357	11,638	0	0	934
736+50.00	50.00	61.26	9.28	0.00	0.00	3.06	118	14	0	0	6	23,475	11,655	0	0	939
737+00.00	50.00	61.18	7.38	0.00	0.00	3.06	113	15	0	0	6	23,588	11,674	0	0	944
737+50.00	50.00	62.12	14.85	0.00	0.00	3.11	114	21	0	0	6	23,702	11,700	0	0	949
738+00.00	50.00	57.00	10.79	0.00	0.00	2.85	110	24	0	0	6	23,812	11,730	0	0	954
738+50.00	50.00	56.39	6.25	0.00	0.00	2.82	105	16	0	0	5	23,917	11,750	0	0	958
739+00.00	50.00	53.27	10.36	0.00	0.00	2.66	102	15	0	0	5	24,019	11,769	0	0	962
739+50.00	50.00	53.63	10.38	0.00	0.00	2.68	99	19	0	0	5	24,118	11,793	0	0	966
740+00.00	50.00	53.07	11.00	0.00	0.00	2.65	99	20	0	0	5	24,217	11,818	0	0	970
740+50.00	50.00	53.60	12.96	0.00	0.00	2.68	99	22	0	0	5	24,316	11,845	0	0	974
741+00.00	50.00	53.87	8.67	0.00	0.00	2.69	100	20	0	0	5	24,416	11,870	0	0	978
741+50.00	50.00	56.33	4.67	0.00	0.00	2.82	102	12	0	0	5	24,518	11,885	0	0	982
742+00.00	50.00	56.48	4.33	0.00	0.00	2.82	104	8	0	0	5	24,622	11,895	0	0	986
742+50.00	50.00	58.62	5.24	0.00	0.00	2.93	107	9	0	0	5	24,729	11,906	0	0	990
743+00.00	50.00	60.45	3.81	0.00	0.00	3.02	110	8	0	0	6	24,839	11,916	0	0	994
743+50.00	50.00	65.63	2.76	0.00	0.00	3.28	117	6	0	0	6	24,956	11,924	0	0	999
744+00.00	50.00	72.98	1.08	0.00	0.00	3.65	128	4	0	0	6	25,084	11,929	0	0	1,004
744+50.00	50.00	81.01	0.64	0.00	0.00	4.05	143	2	0	0	7	25,227	11,931	0	0	1,010
745+00.00	50.00	91.74	3.91	0.00	0.00	4.59	160	4	0	0	8	25,387	11,936	0	0	1,016
745+50.00	50.00	101.77	2.18	0.00	0.00	5.09	179	6	0	0	9	25,566	11,944	0	0	1,023
746+00.00	50.00	101.10	0.82	0.00	0.00	5.06	188	3	0	0	9	25,754	11,948	0	0	1,030
746+50.00	50.00	97.58	0.26	0.00	0.00	4.88	184	1	0	0	9	25,938	11,949	0	0	1,038
747+00.00	50.00	101.83	0.56	0.00	0.00	5.09	185	1	0	0	9	26,123	11,950	0	0	1,045
747+50.00	50.00	104.03	0.05	0.00	0.00	5.20	191	1	0	0	10	26,314	11,951	0	0	1,053
748+00.00	50.00	103.68	0.00	0.00	0.00	5.18	192	0	0	0	10	26,506	11,951	0	0	1,061
748+50.00	50.00	91.89	3.90	0.00	0.00	4.59	181	4	0	0	9	26,687	11,956	0	0	1,068
749+00.00	50.00	101.78	0.00	0.00	0.00	5.09	179	4	0	0	9	26,866	11,961	0	0	1,075
749+50.00	50.00	94.00	0.11	0.00	0.00	4.70	181	0	0	0	9	27,047	11,961	0	0	1,082
750+00.00	50.00	90.28	2.45	0.00	0.00	4.51	171	2	0	0	9	27,218	11,964	0	0	1,090
750+50.00	50.00	89.49	1.98	0.00	0.00	4.47	166	4	0	0	8	27,384	11,969	0	0	1,096
751+00.00	50.00	91.22	1.85	0.00	0.00	4.56	167	4	0	0	8	27,551	11,974	0	0	1,102
751+50.00	50.00	93.83	1.46	0.00	0.00	4.69	171	3	0	0	9	27,722	11,978	0	0	1,110
752+00.00	50.00	85.11	1.40	0.00	0.00	4.26	166	3	0	0	8	27,888	11,981	0	0	1,116
752+50.00	50.00	84.88	0.09	0.00	0.00	4.24	157	1	0	0	8	28,045	11,983	0	0	1,122

CON'T ON NEXT SHEET

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) REDUCED EBS IN FILL: REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL. REDUCED EBS FACTOR = 0.80.
5) EBS CALCULATED AT 5 PERCENT OF CUT
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

CON'T ON PREVIOUS SHEET

STATION	DISTANCE	AREA (SF)					INCREMENTAL VOL (CY) (UNADJUSTED)					CUMULATIVE VOL (CY)				
		CUT	FILL	MARSH EXC	ROCK EXC	EBS	CUT	FILL	MARSH EXC	ROCK EXC	EBS	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	EXPANDED ROCK	REDUCED EBS IN FILL
							NOTE 1	NOTE 3			NOTE 5	1.00 NOTE 1	1.25	1.50 NOTE 4	1.15	0.80 NOTE 4
753+00.00	50.00	84.76	0.57	0.00	0.00	4.24	157	1	0	0	8	28,202	11,984	0	0	1,129
753+50.00	50.00	84.71	0.46	0.00	0.00	4.24	157	1	0	0	8	28,359	11,985	0	0	1,135
754+00.00	50.00	87.06	0.27	0.00	0.00	4.35	159	1	0	0	8	28,518	11,986	0	0	1,142
754+50.00	50.00	91.79	0.23	0.00	0.00	4.59	166	0	0	0	8	28,684	11,986	0	0	1,148
755+00.00	50.00	93.02	0.00	0.00	0.00	4.65	171	0	0	0	9	28,855	11,986	0	0	1,155
755+50.00	50.00	93.64	0.00	0.00	0.00	4.68	173	0	0	0	9	29,028	11,986	0	0	1,162
756+00.00	50.00	89.29	0.22	0.00	0.00	4.46	169	0	0	0	8	29,197	11,986	0	0	1,169
756+50.00	50.00	90.39	0.73	0.00	0.00	4.52	166	1	0	0	8	29,363	11,988	0	0	1,175
757+00.00	50.00	103.72	1.23	0.00	0.00	5.19	180	2	0	0	9	29,543	11,990	0	0	1,182
757+50.00	50.00	91.71	0.00	0.00	0.00	4.59	181	1	0	0	9	29,724	11,991	0	0	1,190
758+00.00	50.00	88.87	0.00	0.00	0.00	4.44	167	0	0	0	8	29,891	11,991	0	0	1,196
758+50.00	50.00	85.23	0.12	0.00	0.00	4.26	161	0	0	0	8	30,052	11,991	0	0	1,202
759+00.00	50.00	93.23	0.13	0.00	0.00	4.66	165	0	0	0	8	30,217	11,991	0	0	1,209
759+50.00	50.00	94.58	0.41	0.00	0.00	4.73	174	1	0	0	9	30,391	11,993	0	0	1,216
760+00.00	50.00	86.11	4.39	0.00	0.00	4.31	167	4	0	0	8	30,558	11,998	0	0	1,222
760+50.00	50.00	84.88	8.52	0.00	0.00	4.24	158	12	0	0	8	30,716	12,013	0	0	1,229
761+00.00	50.00	94.01	13.17	0.00	0.00	4.70	166	20	0	0	8	30,882	12,038	0	0	1,235
761+50.00	50.00	112.52	6.11	0.00	0.00	5.63	191	18	0	0	10	31,073	12,060	0	0	1,243
762+00.00	50.00	110.32	7.24	0.00	0.00	5.52	206	12	0	0	10	31,279	12,075	0	0	1,251
762+50.00	50.00	99.16	5.45	0.00	0.00	4.96	194	12	0	0	10	31,473	12,090	0	0	1,259
763+00.00	50.00	118.76	0.00	0.00	0.00	5.94	202	5	0	0	10	31,675	12,096	0	0	1,267
763+50.00	50.00	86.73	0.00	0.00	0.00	4.34	190	0	0	0	10	31,865	12,096	0	0	1,275
764+00.00	50.00	87.09	0.68	0.00	0.00	4.35	161	1	0	0	8	32,026	12,098	0	0	1,282
764+50.00	50.00	89.52	1.13	0.00	0.00	4.48	164	2	0	0	8	32,190	12,100	0	0	1,288
765+00.00	50.00	89.16	0.82	0.00	0.00	4.46	165	2	0	0	8	32,355	12,103	0	0	1,294
765+50.00	50.00	99.67	0.56	0.00	0.00	4.98	175	1	0	0	9	32,530	12,104	0	0	1,302
766+00.00	50.00	99.90	1.11	0.00	0.00	5.00	185	2	0	0	9	32,715	12,106	0	0	1,309
766+50.00	50.00	99.13	4.79	0.00	0.00	4.96	184	5	0	0	9	32,899	12,113	0	0	1,316
767+00.00	50.00	92.92	14.31	0.00	0.00	4.65	178	18	0	0	9	33,077	12,135	0	0	1,323
767+50.00	50.00	100.81	3.96	0.00	0.00	5.04	179	17	0	0	9	33,256	12,156	0	0	1,330
768+00.00	50.00	123.18	2.55	0.00	0.00	6.16	207	6	0	0	10	33,463	12,164	0	0	1,338
768+50.00	50.00	139.54	1.32	0.00	0.00	6.98	243	4	0	0	12	33,706	12,169	0	0	1,348
769+00.00	50.00	98.90	3.62	0.00	0.00	4.95	221	5	0	0	11	33,927	12,175	0	0	1,357
769+50.00	50.00	86.23	16.77	0.00	0.00	4.31	171	19	0	0	9	34,098	12,199	0	0	1,364
770+00.00	50.00	77.43	11.90	0.00	0.00	3.87	152	27	0	0	8	34,250	12,233	0	0	1,370
770+50.00	50.00	66.06	6.51	0.00	0.00	3.30	133	17	0	0	7	34,383	12,254	0	0	1,376
771+00.00	50.00	52.87	8.79	0.00	0.00	2.64	110	14	0	0	6	34,493	12,271	0	0	1,381
771+50.00	50.00	41.76	20.74	0.00	0.00	2.09	88	27	0	0	4	34,581	12,305	0	0	1,384
772+00.00	50.00	27.81	25.21	0.00	0.00	1.39	64	43	0	0	3	34,645	12,359	0	0	1,386
772+50.00	50.00	15.57	37.61	0.00	0.00	0.78	40	58	0	0	2	34,685	12,431	0	0	1,388
773+00.00	50.00	11.93	45.56	0.00	0.00	0.60	25	77	0	0	1	34,710	12,528	0	0	1,389
773+50.00	50.00	16.21	38.32	0.00	0.00	0.81	26	78	0	0	1	34,736	12,625	0	0	1,390
774+00.00	50.00	29.89	29.42	0.00	0.00	1.49	43	63	0	0	2	34,779	12,704	0	0	1,391
774+50.00	50.00	31.76	24.65	0.00	0.00	1.59	57	50	0	0	3	34,836	12,766	0	0	1,394
775+00.00	50.00	34.24	17.66	0.00	0.00	1.71	61	39	0	0	3	34,897	12,815	0	0	1,396

CON'T ON NEXT SHEET

NOTES:

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3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) REDUCED EBS IN FILL: REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL. REDUCED EBS FACTOR = 0.80.
5) EBS CALCULATED AT 5 PERCENT OF CUT
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

CON'T ON PREVIOUS SHEET

STATION	DISTANCE	AREA (SF)					INCREMENTAL VOL (CY) (UNADJUSTED)					CUMULATIVE VOL (CY)				
		CUT	FILL	MARSH EXC	ROCK EXC	EBS	CUT NOTE 1	FILL NOTE 3	MARSH EXC	ROCK EXC	EBS NOTE 5	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED MARSH BACKFILL 1.50 NOTE 4	EXPANDED ROCK 1.15	REDUCED EBS IN FILL 0.80 NOTE 4
775+50.00	50.00	39.43	15.54	0.00	0.00	1.97	68	31	0	0	3	34,965	12,854	0	0	1,398
776+00.00	50.00	43.15	15.65	0.00	0.00	2.16	76	29	0	0	4	35,041	12,890	0	0	1,402
776+50.00	50.00	48.31	11.40	0.00	0.00	2.42	85	25	0	0	4	35,126	12,921	0	0	1,405
777+00.00	50.00	51.93	9.10	0.00	0.00	2.60	93	19	0	0	5	35,219	12,945	0	0	1,409
777+50.00	50.00	59.05	12.27	0.00	0.00	2.95	103	20	0	0	5	35,322	12,970	0	0	1,413
778+00.00	50.00	68.04	7.64	0.00	0.00	3.40	118	18	0	0	6	35,440	12,993	0	0	1,418
778+50.00	50.00	73.81	6.99	0.00	0.00	3.69	131	14	0	0	7	35,571	13,010	0	0	1,423
779+00.00	50.00	80.99	3.73	0.00	0.00	4.05	143	10	0	0	7	35,714	13,023	0	0	1,429
779+50.00	50.00	87.93	4.38	0.00	0.00	4.40	156	8	0	0	8	35,870	13,033	0	0	1,435
780+00.00	50.00	92.48	8.72	0.00	0.00	4.62	167	12	0	0	8	36,037	13,048	0	0	1,442
780+50.00	50.00	93.24	14.21	0.00	0.00	4.66	172	21	0	0	9	36,209	13,074	0	0	1,449
781+00.00	50.00	87.42	8.39	0.00	0.00	4.37	167	21	0	0	8	36,376	13,100	0	0	1,455
781+50.00	50.00	85.76	18.15	0.00	0.00	4.29	160	25	0	0	8	36,536	13,131	0	0	1,462
782+00.00	50.00	87.80	24.22	0.00	0.00	4.39	161	39	0	0	8	36,697	13,180	0	0	1,468
782+28.13	28.13	91.92	18.15	0.00	0.00	4.60	94	22	0	0	5	36,791	13,208	0	0	1,472
782+28.14	0.01	45.15	2.32	0.00	0.00	2.26	0	0	0	0	0	36,791	13,208	0	0	1,472
782+50.00	21.86	48.79	0.65	0.00	0.00	2.44	38	1	0	0	2	36,829	13,209	0	0	1,474
783+00.00	50.00	45.17	2.51	0.00	0.00	2.26	87	3	0	0	4	36,916	13,213	0	0	1,477
783+50.00	50.00	20.99	17.89	0.00	0.00	1.05	61	19	0	0	3	36,977	13,236	0	0	1,479
784+00.00	50.00	6.42	109.20	202.41	0.00	0.32	25	118	187	0	1	37,002	13,384	281	0	1,480
784+40.00	40.00	0.72	171.43	182.89	0.00	0.04	5	208	285	0	0	37,007	13,644	708	0	1,480
792+40.24	0.00	69.04	11.52	0.00	0.00	11.74	0	0	0	0	0	37,007	13,644	708	0	1,480
792+50.00	9.76	72.80	0.00	0.00	0.00	12.38	26	2	0	0	4	37,033	13,646	708	0	1,483
793+00.00	50.00	69.14	0.00	0.00	0.00	11.75	131	0	0	0	22	37,164	13,646	708	0	1,501
793+50.00	50.00	63.35	2.29	0.00	0.00	10.77	123	2	0	0	21	37,287	13,649	708	0	1,518
794+00.00	50.00	56.17	4.95	0.00	0.00	9.55	111	7	0	0	19	37,398	13,658	708	0	1,533
794+50.00	50.00	50.72	13.72	0.00	0.00	8.62	99	17	0	0	17	37,497	13,679	708	0	1,546
795+00.00	50.00	47.94	17.69	0.00	0.00	8.15	91	29	0	0	16	37,588	13,715	708	0	1,559
795+50.00	50.00	45.53	30.00	0.00	0.00	7.74	87	44	0	0	15	37,675	13,770	708	0	1,571
796+00.00	50.00	43.10	45.44	0.00	0.00	7.33	82	70	0	0	14	37,757	13,858	708	0	1,582
796+15.04	15.04	42.51	52.92	0.00	0.00	7.23	24	27	0	0	4	37,781	13,891	708	0	1,586
796+15.05	34.95	100.43	52.93	0.00	0.00	17.07	0	0	0	0	0	37,781	13,891	708	0	1,586
796+50.00	34.95	96.79	56.34	0.00	0.00	16.45	128	71	0	0	22	37,909	13,980	708	0	1,603
797+00.00	50.00	93.62	67.03	0.00	0.00	15.92	176	114	0	0	30	38,085	14,123	708	0	1,627
797+50.00	50.00	94.22	98.69	0.00	0.00	16.02	174	153	0	0	30	38,259	14,314	708	0	1,651
798+00.00	50.00	92.70	92.50	0.00	0.00	15.76	173	177	0	0	29	38,432	14,535	708	0	1,674
798+50.00	50.00	91.73	59.63	0.00	0.00	15.59	171	141	0	0	29	38,603	14,711	708	0	1,698
799+00.00	50.00	87.13	27.99	0.00	0.00	14.81	166	81	0	0	28	38,769	14,813	708	0	1,720
799+50.00	50.00	84.02	14.43	0.00	0.00	14.28	158	39	0	0	27	38,927	14,861	708	0	1,742
800+00.00	50.00	82.75	17.52	0.00	0.00	14.07	154	30	0	0	26	39,081	14,899	708	0	1,762
800+50.00	50.00	80.50	11.80	0.00	0.00	13.68	151	27	0	0	26	39,232	14,933	708	0	1,783
801+00.00	50.00	78.80	4.43	0.00	0.00	13.40	147	15	0	0	25	39,379	14,951	708	0	1,803
801+50.00	50.00	78.17	0.00	0.00	0.00	13.29	145	4	0	0	25	39,524	14,956	708	0	1,823
802+00.00	50.00	77.17	4.08	0.00	0.00	13.12	144	4	0	0	24	39,668	14,961	708	0	1,842
802+50.00	50.00	77.01	3.64	0.00	0.00	13.09	143	7	0	0	24	39,811	14,970	708	0	1,862

CON'T ON NEXT SHEET

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) REDUCED EBS IN FILL: REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL. REDUCED EBS FACTOR = 0.80.
5) EBS CALCULATED AT 5 PERCENT OF CUT
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

DIVISION 1 - US 51 NB

CON'T ON PREVIOUS SHEET

STATION	DISTANCE	AREA (SF)					INCREMENTAL VOL (CY) (UNADJUSTED)					CUMULATIVE VOL (CY)				
		CUT	FILL	MARSH EXC	ROCK EXC	EBS	CUT NOTE 1	FILL NOTE 3	MARSH EXC	ROCK EXC	EBS NOTE 5	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED MARSH BACKFILL 1.50 NOTE 4	EXPANDED ROCK 1.15	REDUCED EBS IN FILL 0.80 NOTE 4
803+00.00	50.00	73.69	3.01	0.00	29.33	12.53	140	6	0	27	24	39,951	14,939	708	0	1,881
803+50.00	50.00	71.01	8.67	0.00	29.33	12.07	134	11	0	54	23	40,085	14,875	708	0	1,899
804+00.00	50.00	68.22	26.38	0.00	29.33	11.60	129	32	0	54	22	40,214	14,837	708	0	1,917
804+50.00	50.00	69.76	23.37	0.00	29.33	11.86	128	46	0	54	22	40,342	14,817	708	0	1,934
805+00.00	50.00	77.31	22.42	0.00	29.33	13.14	136	42	0	54	23	40,478	14,792	708	0	1,953
805+50.00	50.00	38.18	25.22	0.00	38.42	6.49	107	44	0	63	18	40,585	14,756	708	72	1,967
806+00.00	50.00	48.12	23.89	0.00	34.62	8.18	80	45	0	68	14	40,665	14,715	708	151	1,978
806+50.00	50.00	76.93	21.98	0.00	29.33	13.08	116	42	0	59	20	40,781	14,683	708	219	1,994
807+00.00	50.00	91.06	13.39	0.00	29.33	15.48	156	33	0	54	26	40,937	14,646	708	281	2,015
807+21.09	21.09	77.21	0.00	0.00	29.33	13.13	66	5	0	23	11	41,003	14,619	708	307	2,024
807+50.00	28.91	83.22	0.00	0.00	29.33	14.15	86	0	0	31	15	41,089	14,575	708	343	2,036
808+00.00	50.00	102.53	0.00	0.00	29.33	17.43	172	0	0	54	29	41,261	14,497	708	405	2,059
808+50.00	50.00	116.88	0.00	0.00	0.00	19.87	203	0	0	27	35	41,464	14,458	708	436	2,087
809+00.00	50.00	125.94	0.00	0.00	0.00	21.41	225	0	0	0	38	41,689	14,458	708	436	2,118
809+50.00	50.00	128.45	0.00	0.00	0.00	21.84	236	0	0	0	40	41,925	14,458	708	436	2,150
809+56.29	6.29	128.75	0.04	0.00	0.00	21.89	30	0	0	0	5	41,955	14,458	708	436	2,154
810+00.00	43.71	171.32	0.01	0.00	0.00	29.12	243	0	0	0	41	42,198	14,458	708	436	2,186
810+50.00	50.00	197.66	0.00	0.00	0.00	33.60	342	0	0	0	58	42,540	14,458	708	436	2,233
810+81.79	31.79	86.89	0.00	0.00	0.00	14.77	168	0	0	0	28	42,708	14,458	708	436	2,255
COLUMN TOTALS							42,708	12,282	472	622	2,819					

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) REDUCED EBS IN FILL: REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL. REDUCED EBS FACTOR = 0.80.
5) EBS CALCULATED AT 5 PERCENT OF CUT
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

DIVISION 1 - US 51 SB

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	FILL	EBS	CUT	FILL	EBS	CUT	EXPANDED FILL	REDUCED EBS IN FILL
								1.00	1.25	0.80
					NOTE 1	NOTE 3		NOTE 1		NOTE 7
689+23.79	0.00	65.65	0.44	3.28	0	0	0	0	0	0
689+50.00	26.21	71.17	0.71	3.56	66	1	3	66	1	2
690+00.00	50.00	66.17	12.73	3.31	127	12	6	193	16	7
690+50.00	50.00	62.55	55.79	3.13	119	63	6	312	95	12
691+00.00	50.00	31.23	75.47	1.56	87	122	4	399	248	15
691+50.00	50.00	27.05	76.85	1.35	54	141	3	453	424	18
692+00.00	50.00	24.58	50.49	1.23	48	118	2	501	571	19
692+50.00	50.00	26.87	35.30	1.34	48	79	2	549	670	21
693+00.00	50.00	38.09	42.26	1.90	60	72	3	609	760	23
693+50.00	50.00	88.75	38.42	4.44	117	75	6	726	854	28
694+00.00	50.00	183.98	32.69	9.20	253	66	13	979	936	38
694+50.00	50.00	219.01	31.11	10.95	373	59	19	1352	1010	54
695+00.00	50.00	205.10	29.97	10.25	393	57	20	1745	1081	70
695+50.00	50.00	192.95	29.27	9.65	369	55	18	2114	1150	84
696+00.00	50.00	269.40	9.59	13.47	428	36	21	2542	1195	101
696+50.00	50.00	278.39	3.39	13.92	507	12	25	3049	1210	121
697+00.00	50.00	303.20	2.08	15.16	539	5	27	3588	1216	142
697+50.00	50.00	291.00	5.23	14.55	550	7	28	4138	1225	165
698+00.00	50.00	465.37	2.67	23.27	700	7	35	4838	1234	193
698+50.00	50.00	426.66	4.97	21.33	826	7	41	5664	1243	226
699+00.00	50.00	343.28	7.56	17.16	713	12	36	6377	1258	254
699+50.00	50.00	282.63	9.00	14.13	580	15	29	6957	1276	278
700+00.00	50.00	282.02	4.34	14.10	523	12	26	7480	1291	298
700+50.00	50.00	115.96	12.52	5.80	368	16	18	7848	1311	313
701+00.00	50.00	29.23	12.45	1.46	134	23	7	7982	1340	318
701+50.00	50.00	24.79	13.41	1.24	50	24	3	8032	1370	321
702+00.00	50.00	87.90	6.75	4.39	104	19	5	8136	1394	325
702+50.00	50.00	104.64	6.49	5.23	178	12	9	8314	1409	332
703+00.00	50.00	93.18	8.91	4.66	183	14	9	8497	1426	339
703+50.00	50.00	37.67	14.11	1.88	121	21	6	8618	1453	344
704+00.00	50.00	46.54	0.00	2.33	78	13	4	8696	1469	347
704+50.00	50.00	18.31	70.11	0.92	60	65	3	8756	1550	350
705+00.00	50.00	70.97	27.35	3.55	83	90	4	8839	1663	353
705+50.00	50.00	48.21	29.79	2.41	110	53	6	8949	1729	358
706+00.00	50.00	32.20	41.90	1.61	74	66	4	9023	1811	361
706+50.00	50.00	60.17	41.35	3.01	86	77	4	9109	1908	364
707+00.00	50.00	66.52	45.84	3.33	117	81	6	9226	2009	369
707+50.00	50.00	25.11	56.02	1.26	85	94	4	9311	2126	372
708+00.00	50.00	19.43	56.05	0.97	41	104	2	9352	2256	374
708+50.00	50.00	12.38	61.77	0.62	29	109	1	9381	2393	374
709+00.00	50.00	4.53	73.96	0.23	16	126	1	9397	2550	375
709+50.00	50.00	0.83	88.30	0.04	5	150	0	9402	2738	375
710+00.00	50.00	0.34	101.16	0.02	1	175	0	9403	2956	375
710+50.00	50.00	0.13	107.36	0.01	0	193	0	9403	3198	375
711+00.00	50.00	0.04	113.63	0.00	0	205	0	9403	3454	375
711+50.00	50.00	0.00	116.21	0.00	0	213	0	9403	3720	375
712+00.00	50.00	0.01	140.89	0.00	0	238	0	9403	4018	375
712+50.00	50.00	2.87	163.04	0.14	3	281	0	9406	4369	375
712+72.45	22.45	8.23	182.41	0.41	5	144	0	9411	4549	375
713+00.00	27.55	2.00	172.82	0.10	5	181	0	9416	4775	375

CON'T ON NEXT SHEET

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) REDUCED EBS IN FILL: REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL. REDUCED EBS FACTOR = 0.80.
5) EBS CALCULATED AT 5 PERCENT OF CUT
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

DIVISION 1 - US 51 SB

CON'T ON PREVIOUS SHEET

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	FILL	EBS	CUT	FILL	EBS	CUT	EXPANDED FILL	REDUCED EBS IN FILL
								1.00	1.25	0.80
					NOTE 1	NOTE 3		NOTE 1		NOTE 7
713+50.00	50.00	0.00	143.93	0.00	2	293	0	9418	5141	375
714+00.00	50.00	0.00	101.40	0.00	0	227	0	9418	5425	375
714+50.00	50.00	0.00	66.49	0.00	0	155	0	9418	5619	375
715+00.00	50.00	0.00	42.49	0.00	0	101	0	9418	5745	375
715+50.00	50.00	74.25	30.08	3.71	69	67	3	9487	5829	378
716+00.00	50.00	184.19	24.11	9.21	239	50	12	9726	5891	387
716+50.00	50.00	233.60	20.10	11.68	387	41	19	10113	5943	402
717+00.00	50.00	238.99	16.60	11.95	438	34	22	10551	5985	420
717+50.00	50.00	208.04	14.77	10.40	414	29	21	10965	6021	437
718+00.00	50.00	132.85	15.03	6.64	316	28	16	11281	6056	450
718+50.00	50.00	54.53	13.27	2.73	173	26	9	11454	6089	457
719+00.00	50.00	141.49	6.14	7.07	181	18	9	11635	6111	464
719+50.00	50.00	179.08	3.51	8.95	297	9	15	11932	6123	476
720+00.00	50.00	111.13	0.00	5.56	269	3	13	12201	6126	486
720+50.00	50.00	67.18	0.00	3.36	165	0	8	12366	6126	493
721+00.00	50.00	59.46	0.00	2.97	117	0	6	12483	6126	498
721+50.00	50.00	66.88	0.75	3.34	117	1	6	12600	6128	502
722+00.00	50.00	49.23	0.60	2.46	108	1	5	12708	6129	506
722+40.77	40.77	45.68	1.24	2.28	72	1	4	12780	6130	510
	COLUMN TOTALS				12,780	4,904	637			

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) REDUCED EBS IN FILL: REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL. REDUCED EBS FACTOR = 0.80.
5) EBS CALCULATED AT 5 PERCENT OF CUT
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

DIVISION 1 - DYRESON

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 7
10+79.00	0.00	253.28	571.35	12.66	0	0	0	0	0	0
11+00.00	21.00	415.41	377.73	20.77	260	369	13	260	461	10
11+50.00	50.00	362.02	375.88	18.10	720	698	36	980	1334	39
12+00.00	50.00	205.50	254.50	10.27	525	584	26	1505	2064	60
12+50.00	50.00	84.62	117.48	4.23	269	344	13	1774	2494	70
13+00.00	50.00	27.45	26.63	1.37	104	133	5	1878	2660	74
13+50.00	50.00	38.23	0.00	1.91	61	25	3	1939	2691	77
13+97.67	47.67	44.99	14.69	2.25	73	13	4	2012	2708	80
	COLUMN TOTALS				2,012	2,166	100			

DIVISION 1 - DYRESON CUL-DE-SAC

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 7
5+34.77	0.00	32.55	0.57	1.63	0	0	0	0	0	0
5+50.00	15.23	34.16	0.42	1.71	19	0	1	19	0	1
5+75.00	25.00	47.49	0.62	2.37	38	0	2	57	0	2
6+00.00	25.00	303.31	7.90	15.17	162	4	8	219	5	9
6+25.00	25.00	465.90	51.83	23.30	356	28	18	575	40	23
6+50.00	25.00	529.92	43.71	26.50	461	44	23	1036	95	42
6+75.00	25.00	485.44	12.57	24.27	470	26	24	1506	128	61
7+00.00	25.00	344.00	2.99	17.20	384	7	19	1890	136	76
7+25.00	25.00	37.97	0.77	1.90	177	2	9	2067	139	83
7+50.00	25.00	38.94	0.00	1.95	36	0	2	2103	139	85
7+75.00	25.00	33.64	0.00	1.68	34	0	2	2137	139	86
8+00.00	25.00	9.09	1.25	0.45	20	1	1	2157	140	87
8+23.61	23.61	4.44	4.62	0.22	6	3	0	2163	144	87
	COLUMN TOTALS				2,163	115	109			

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) REDUCED EBS IN FILL: REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL. REDUCED EBS FACTOR = 0.80.
5) EBS CALCULATED AT 5 PERCENT OF CUT
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

DIVISION 1 - BACKAGE ROAD

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 7
10+18.50	0.00	114.48	0.00	5.72	0	0	0	0	0	0
10+50.00	31.50	405.30	0.00	20.27	303	0	15	303	0	12
11+00.00	50.00	255.54	0.00	12.78	612	0	31	915	0	37
11+50.00	50.00	198.14	0.00	9.91	420	0	21	1335	0	54
12+00.00	50.00	154.97	0.00	7.75	327	0	16	1662	0	66
12+50.00	50.00	143.54	0.00	7.18	276	0	14	1938	0	78
13+00.00	50.00	40.93	0.00	2.05	171	0	9	2109	0	85
13+50.00	50.00	29.03	0.00	1.45	65	0	3	2174	0	87
14+00.00	50.00	87.15	0.00	4.36	108	0	5	2282	0	91
14+50.00	50.00	71.12	0.00	3.56	147	0	7	2429	0	97
15+00.00	50.00	25.80	0.04	1.29	90	0	4	2519	0	100
15+25.00	25.00	17.81	0.37	0.89	20	0	1	2539	1	101
15+50.00	25.00	71.63	0.57	3.58	41	1	2	2580	1	102
15+75.00	25.00	114.83	0.86	5.74	86	1	4	2666	2	106
16+00.00	25.00	134.23	3.94	6.71	115	4	6	2781	7	110
16+25.00	25.00	99.53	7.41	4.98	108	7	5	2889	17	114
16+50.00	25.00	70.46	8.31	3.52	79	8	4	2968	27	118
16+75.00	25.00	46.80	24.87	2.34	54	23	3	3022	56	120
17+00.00	25.00	66.28	0.00	3.31	52	0	3	3074	56	122
17+01.85	1.85	61.39	0.00	3.07	4	0	0	3078	56	122
	COLUMN TOTALS				3,078	45	153			

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) REDUCED EBS IN FILL: REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL. REDUCED EBS FACTOR = 0.80.
5) EBS CALCULATED AT 5 PERCENT OF CUT
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

9

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PROJECT NO: 5845-16-75 | HWY: USH 51 | COUNTY: DANE | EARTHWORK | SHEET: 364 | E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : PLOT SCALE : 1" = 1" WISDOT/CADDS SHEET 42

DIVISION 1 - MA

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 7
10+00.00	0.00	68.36	34.39	3.42	0	0	0	0	0	0
10+25.00	25.00	46.30	131.72	2.32	53	77	3	53	96	2
10+50.00	25.00	145.46	25.52	7.27	89	73	4	142	188	6
10+75.00	25.00	116.12	24.53	5.81	121	23	6	263	216	10
11+00.00	25.00	67.05	28.61	3.35	85	25	4	348	248	14
11+25.00	25.00	93.35	35.71	4.67	74	30	4	422	285	17
11+50.00	25.00	93.25	36.05	4.66	86	33	4	508	326	20
11+75.00	25.00	48.68	38.58	2.43	66	35	3	574	370	22
12+00.00	25.00	5.21	154.87	0.26	25	90	1	599	483	23
12+25.00	25.00	1.43	262.16	0.07	3	193	0	602	724	23
12+50.00	25.00	2.00	400.56	0.10	2	307	0	604	1108	23
12+75.00	25.00	6.82	330.85	0.34	4	339	0	608	1531	23
13+00.00	25.00	34.06	36.52	1.70	19	170	1	627	1744	24
13+25.00	25.00	73.08	34.57	3.65	50	33	2	677	1785	26
13+33.01	8.01	70.69	34.39	3.53	21	10	1	698	1798	26
	COLUMN TOTALS				698	1,438	33			

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) REDUCED EBS IN FILL: REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL. REDUCED EBS FACTOR = 0.80.
5) EBS CALCULATED AT 5 PERCENT OF CUT
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

9

9

PROJECT NO: 5845-16-75 | HWY: USH 51 | COUNTY: DANE | EARTHWORK | SHEET: 365 E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : PLOT SCALE : 1" = 1" WISDOT/CADDS SHEET 42

DIVISION 1 - MB

STATION	DISTANCE	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)			
		CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT NOTE 1	FILL NOTE 3	MARSH EXC	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED MARSH BACKFILL 1.50 NOTE 4	REDUCED EBS IN FILL 0.80 NOTE 7
10+00.00	0.00	6.42	0.00	111.27	182.89	0.00	0.32	0	0	0	0	0	0	0	0
10+50.00	50.00	0.02	0.00	240.82	164.68	0.00	0.00	6	326	322	0	6	408	483	0
10+99.95	49.95	0.00	0.00	291.51	168.93	0.00	0.00	0	492	309	0	6	1,023	947	0
11+00.81	0.86	0.00	0.00	291.74	0.00	0.00	0.00	0	9	0	0	6	1,034	947	0
11+50.00	49.19	0.00	0.00	330.40	0.00	0.00	0.00	0	567	0	0	6	1,743	947	0
12+00.00	50.00	0.00	0.00	293.67	0.00	0.00	0.00	0	578	0	0	6	2,465	947	0
12+50.00	50.00	0.00	0.00	228.42	0.00	0.00	0.00	0	483	0	0	6	3,069	947	0
13+00.00	50.00	0.00	0.00	153.49	0.00	0.00	0.00	0	354	0	0	6	3,511	947	0
13+50.00	50.00	13.24	0.00	50.69	0.00	0.00	0.66	12	189	0	1	18	3,748	947	0
14+00.00	50.00	12.70	0.00	90.18	0.00	0.00	0.63	24	130	0	1	42	3,910	947	0
14+12.22	12.22	4.36	0.00	105.49	0.00	0.00	0.22	4	44	0	0	46	3,965	947	0
15+42.88	0.00	0.02	0.00	53.09	0.00	0.00	0.00	0	0	0	0	46	3,965	947	0
15+50.00	7.12	3.12	0.00	40.57	0.00	0.00	0.16	0	12	0	0	46	3,980	947	0
16+00.00	50.00	65.04	0.00	11.83	0.00	0.00	3.25	63	49	0	3	109	4,041	947	0
16+50.00	50.00	143.04	0.00	4.66	0.00	0.00	7.15	193	15	0	10	302	4,060	947	0
17+00.00	50.00	197.98	0.00	1.54	0.00	0.00	9.90	316	6	0	16	618	4,068	947	0
17+50.00	50.00	175.33	0.00	5.64	0.00	0.00	8.77	346	7	0	17	964	4,076	947	0
18+00.00	50.00	133.55	0.00	4.49	0.00	0.00	6.68	286	9	0	14	1,250	4,088	947	0
18+08.93	8.93	48.10	0.00	11.52	0.00	0.00	2.40	30	3	0	2	1,280	4,091	947	0
					COLUMN TOTALS			1,280	3,273	631	64				

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) REDUCED EBS IN FILL: REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL. REDUCED EBS FACTOR = 0.80.
5) EBS CALCULATED AT 5 PERCENT OF CUT
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

DIVISION 1 - MG

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	FILL	EBS	CUT	FILL	EBS	CUT	EXPANDED FILL	REDUCED EBS IN FILL
								1.00	1.25	0.80
					NOTE 1	NOTE 3		NOTE 1		NOTE 7
782+28.13	0.00	47.44	18.35	2.37	0	0	0	0	0	0
782+50.00	21.87	47.42	11.46	2.37	38	12	2	38	15	2
783+00.00	50.00	48.87	0.35	2.44	89	11	4	127	29	5
783+50.00	50.00	47.96	19.33	2.40	90	18	4	217	51	8
784+00.00	50.00	46.05	0.00	2.30	87	18	4	304	74	11
784+50.00	50.00	36.94	0.00	1.85	77	0	4	381	74	14
785+00.00	50.00	29.15	0.00	1.46	61	0	3	442	74	17
785+50.00	50.00	25.99	16.38	1.30	51	15	3	493	93	19
786+00.00	50.00	18.89	23.81	0.94	42	37	2	535	139	21
786+50.00	50.00	17.81	38.03	0.89	34	57	2	569	210	22
787+00.00	50.00	20.36	47.26	1.02	35	79	2	604	309	24
787+50.00	50.00	28.68	10.73	1.43	45	54	2	649	376	26
788+00.00	50.00	11.67	83.95	0.58	37	88	2	686	486	27
788+50.00	50.00	5.95	83.43	0.30	16	155	1	702	680	28
788+58.96	8.96	1.49	82.92	0.07	1	28	0	703	715	28
790+03.66	0.00	109.94	0.00	5.50	0	0	0	703	715	28
790+50.00	46.34	87.16	0.00	4.36	169	0	8	872	715	34
791+00.00	50.00	70.21	0.00	3.51	146	0	7	1018	715	40
791+50.00	50.00	75.57	0.00	3.78	135	0	7	1153	715	46
792+00.00	50.00	85.28	0.00	4.26	149	0	7	1302	715	51
792+50.00	50.00	93.23	0.00	4.66	165	0	8	1467	715	58
793+00.00	50.00	68.76	0.00	3.44	150	0	7	1617	715	63
793+50.00	50.00	63.06	0.00	3.15	122	0	6	1739	715	68
794+00.00	50.00	58.27	0.00	2.91	112	0	6	1851	715	73
794+50.00	50.00	54.82	0.00	2.74	105	0	5	1956	715	77
795+00.00	50.00	51.09	0.04	2.55	98	0	5	2054	715	81
795+50.00	50.00	70.92	0.00	3.55	113	0	6	2167	715	86
796+00.00	50.00	63.89	0.00	3.19	125	0	6	2292	715	90
796+37.60	37.60	57.11	0.00	2.86	84	0	4	2376	715	94
	COLUMN TOTALS				2,376	572	117			

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) REDUCED EBS IN FILL: REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL. REDUCED EBS FACTOR = 0.80.
5) EBS CALCULATED AT 5 PERCENT OF CUT
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

DIVISION 1 - MH

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 7
11+50.00	0.00	41.18	0.96	2.06	0	0	0	0	0	0
12+00.00	50	90.59	0.05	4.53	122	1	6	122	1	5
12+10.00	10	125.91	0.46	6.30	40	0	2	162	1	6
12+10.01	0.01	54.89	0.45	2.74	0	0	0	162	1	6
12+50.00	39.99	45.07	3.16	2.25	74	3	4	236	5	10
12+64.99	14.99	45.12	3.96	2.26	25	2	1	261	8	10
12+65.00	0.01	22.99	3.96	1.15	0	0	0	261	8	10
13+00.00	35	24.05	3.66	1.20	30	5	2	291	14	12
13+50.00	50	34.00	3.16	1.70	54	6	3	345	21	14
14+00.00	50	62.21	0.00	3.11	89	3	4	434	25	18
14+50.00	50	85.89	0.00	4.29	137	0	7	571	25	23
15+00.00	50	84.08	0.05	4.20	157	0	8	728	25	30
15+50.00	50	78.72	0.08	3.94	151	0	8	879	25	36
16+00.00	50	93.46	0.00	4.67	159	0	8	1038	25	42
16+27.01	27.01	63.62	17.77	3.18	79	9	4	1117	36	46
	COLUMN TOTALS				1,117	29	57			

DIVISION 1 - ME

STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
		CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	REDUCED EBS IN FILL 0.80 NOTE 7
10+00.00	0.00	22.13	0.00	1.11	0	0	0	0	0	0
10+50.00	50.00	20.04	0.00	1.00	39	0	2	39	0	2
10+79.70	29.70	19.25	0.00	0.96	22	0	1	61	0	2
10+79.71	0.01	80.29	0.01	4.01	0	0	0	61	0	2
11+00.00	20.29	72.33	0.15	3.62	57	0	3	118	0	5
11+50.00	50.00	74.20	3.47	3.71	136	3	7	254	4	10
12+00.00	50.00	55.68	0.20	2.78	120	3	6	374	8	15
12+50.00	50.00	42.40	0.05	2.12	91	0	5	465	8	19
13+00.00	50.00	53.85	0.00	2.69	89	0	4	554	8	22
13+50.00	50.00	62.58	0.00	3.13	108	0	5	662	8	26
13+63.12	13.12	59.90	0.00	2.99	30	0	1	692	8	27
	COLUMN TOTALS				692	6	34			

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) REDUCED EBS IN FILL: REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL. REDUCED EBS FACTOR = 0.80.
5) EBS CALCULATED AT 5 PERCENT OF CUT
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

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PROJECT NO: 5845-16-75 | HWY: USH 51 | COUNTY: DANE | EARTHWORK | SHEET: 368 | E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : PLOT SCALE : 1" = 1" WISDOT/CADDS SHEET 42

DIVISION - BK-DWY1

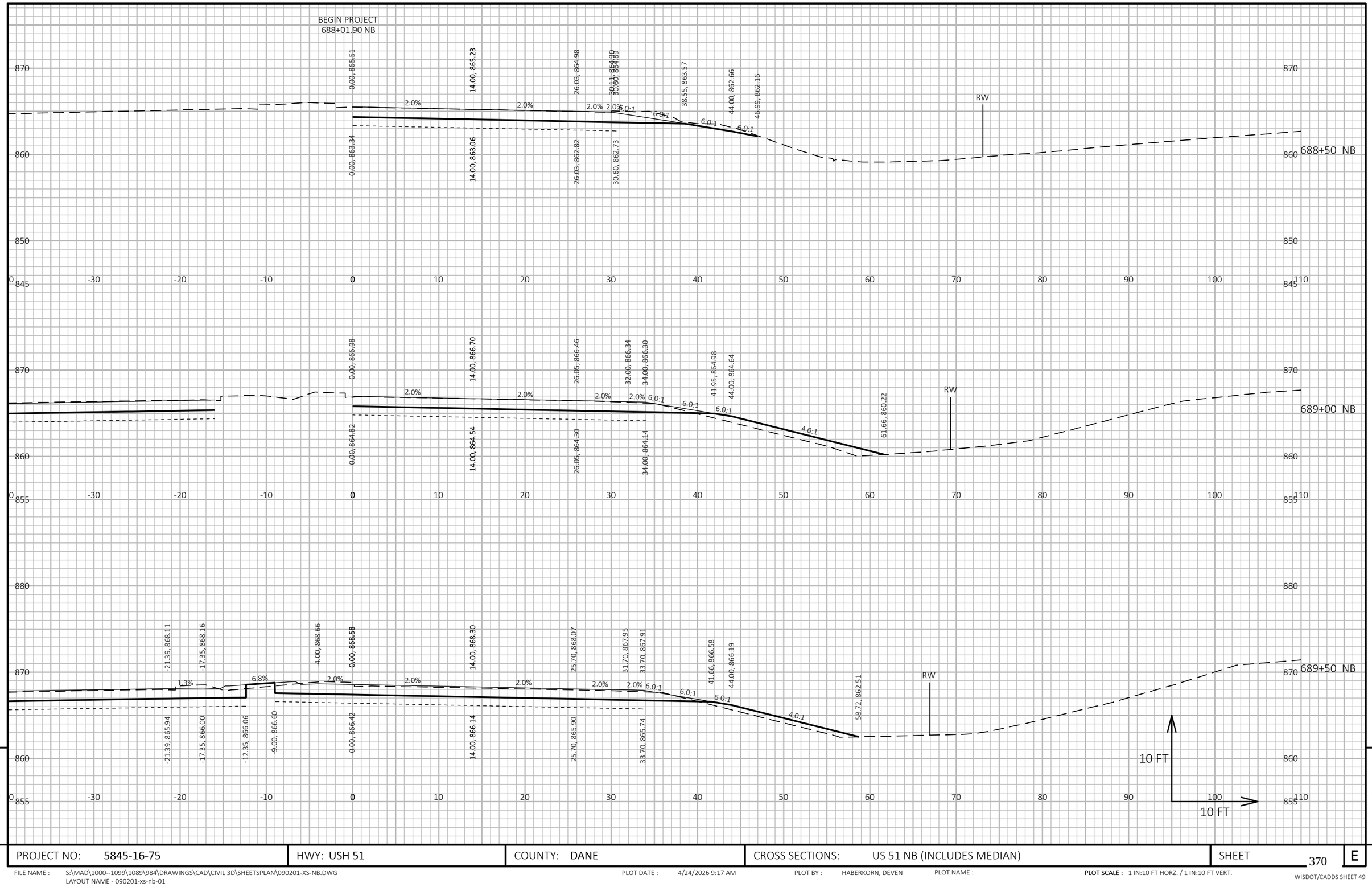
STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)	
		CUT	FILL	CUT NOTE 1	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.25
10+10.00	0.00	16.90	0.00	0	0	0	0
10+50.00	40.00	91.99	0.00	81	0	81	0
11+00.00	50.00	28.28	0.00	111	0	192	0
11+47.49	47.49	19.59	0.00	42	0	234	0
		COLUMN TOTALS		234	0		

DIVISION - BK-DWY2

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)	
		CUT	FILL	CUT NOTE 1	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.00
10+10.07	0.00	0.80	0.00	0	0	0	0
10+28.00	17.93	71.77	0.00	24	0	24	0
10+50.00	22.00	65.42	0.00	56	0	80	0
11+00.00	50.00	23.15	0.66	82	1	162	1
11+26.90	26.90	15.21	0.00	19	0	181	1
		COLUMN TOTALS		181	1		

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: NOT SHOWN IN CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) REDUCED EBS IN FILL: REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL. REDUCED EBS FACTOR = 0.80.
5) EBS CALCULATED AT 5 PERCENT OF CUT
6) MASS ORDINATE: MASS ORDINATE = CUT+REDUCED EBS-SALVAGED/UNUSABLE PAVEMENT MATERIAL-EXPANDED FILL

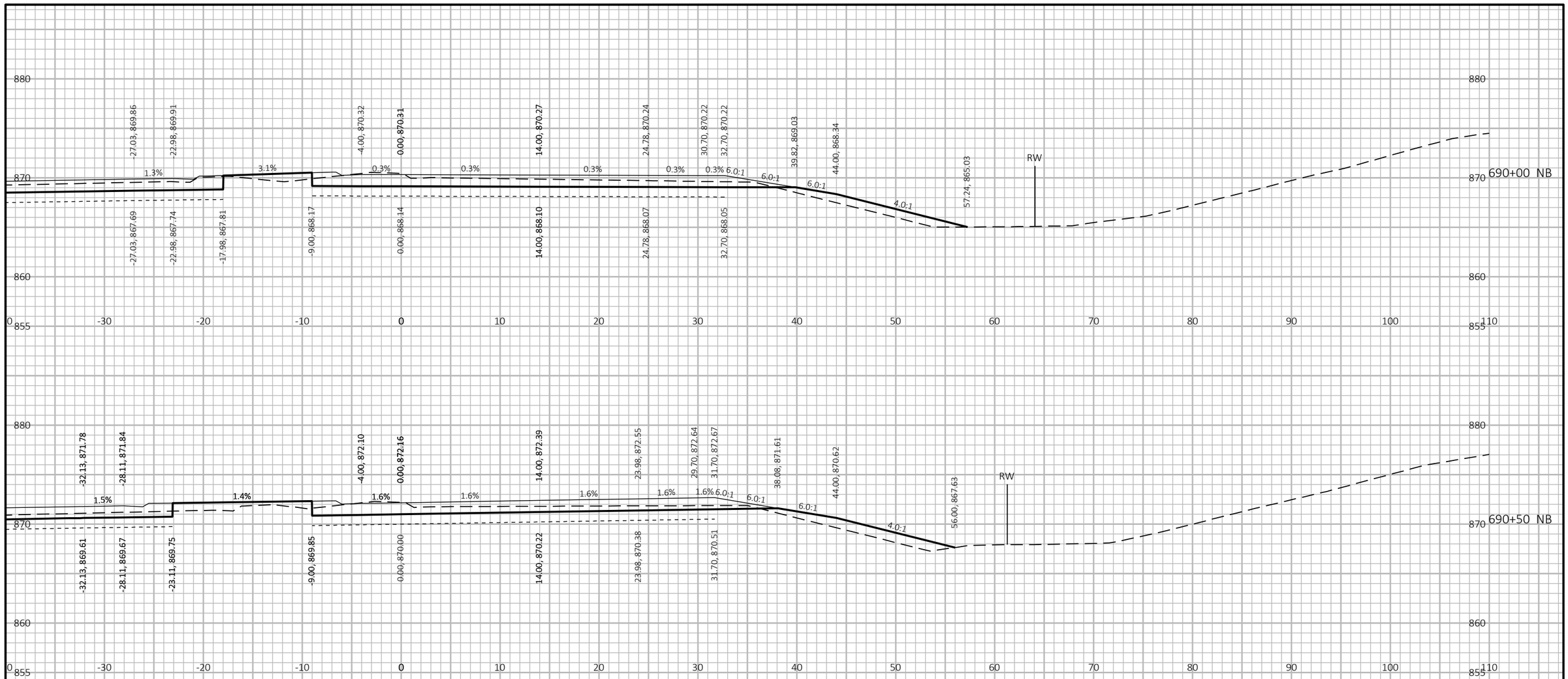


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 370 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-01

PLOT DATE : 4/24/2026 9:17 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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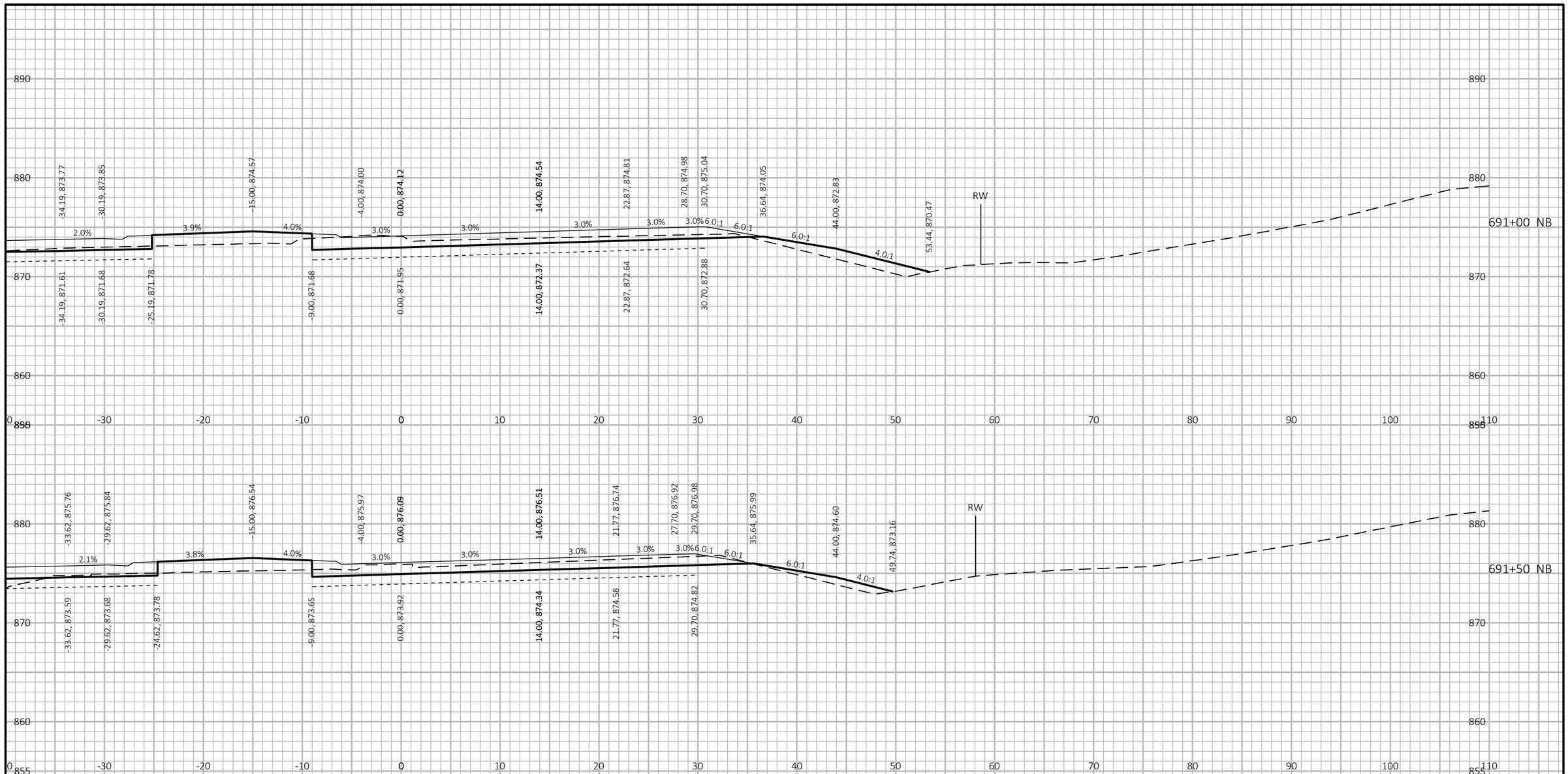
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 371	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-02

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



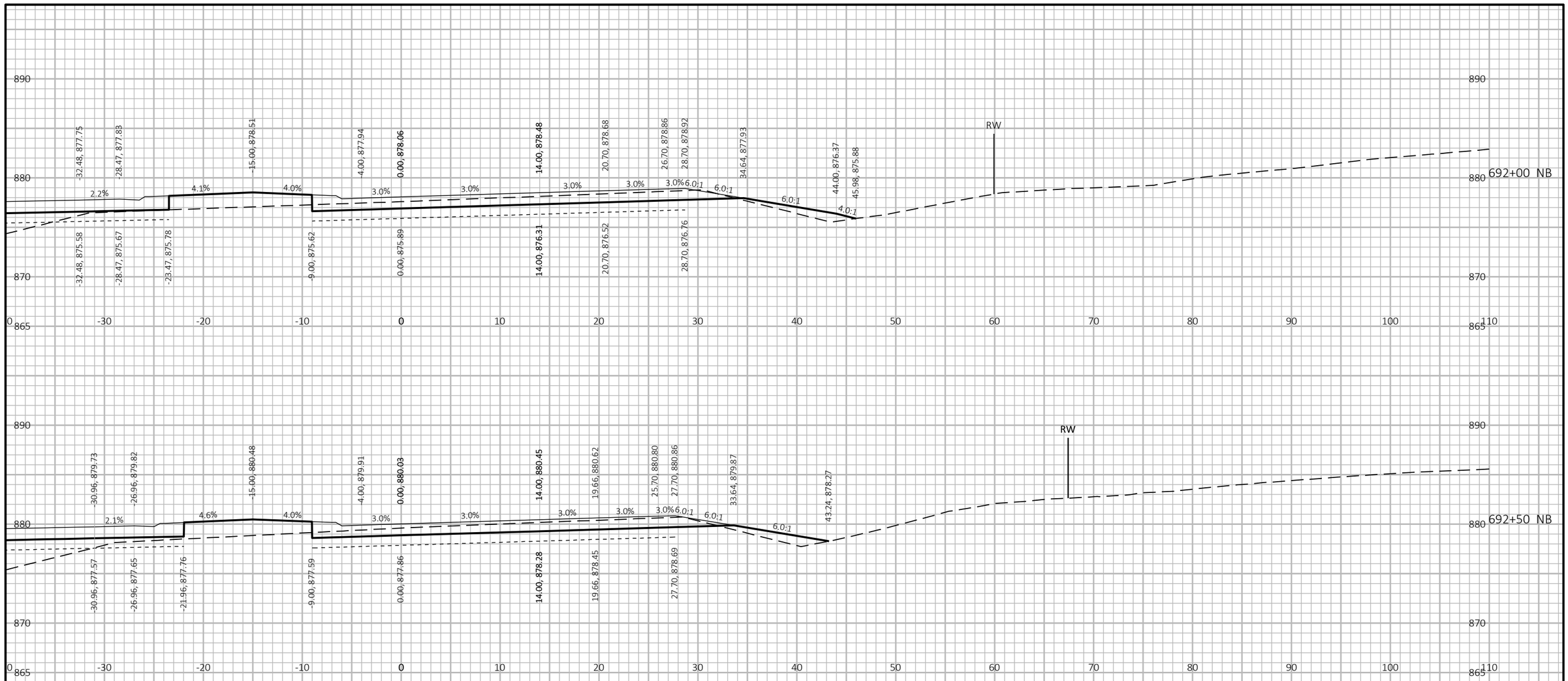
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 372	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-03

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

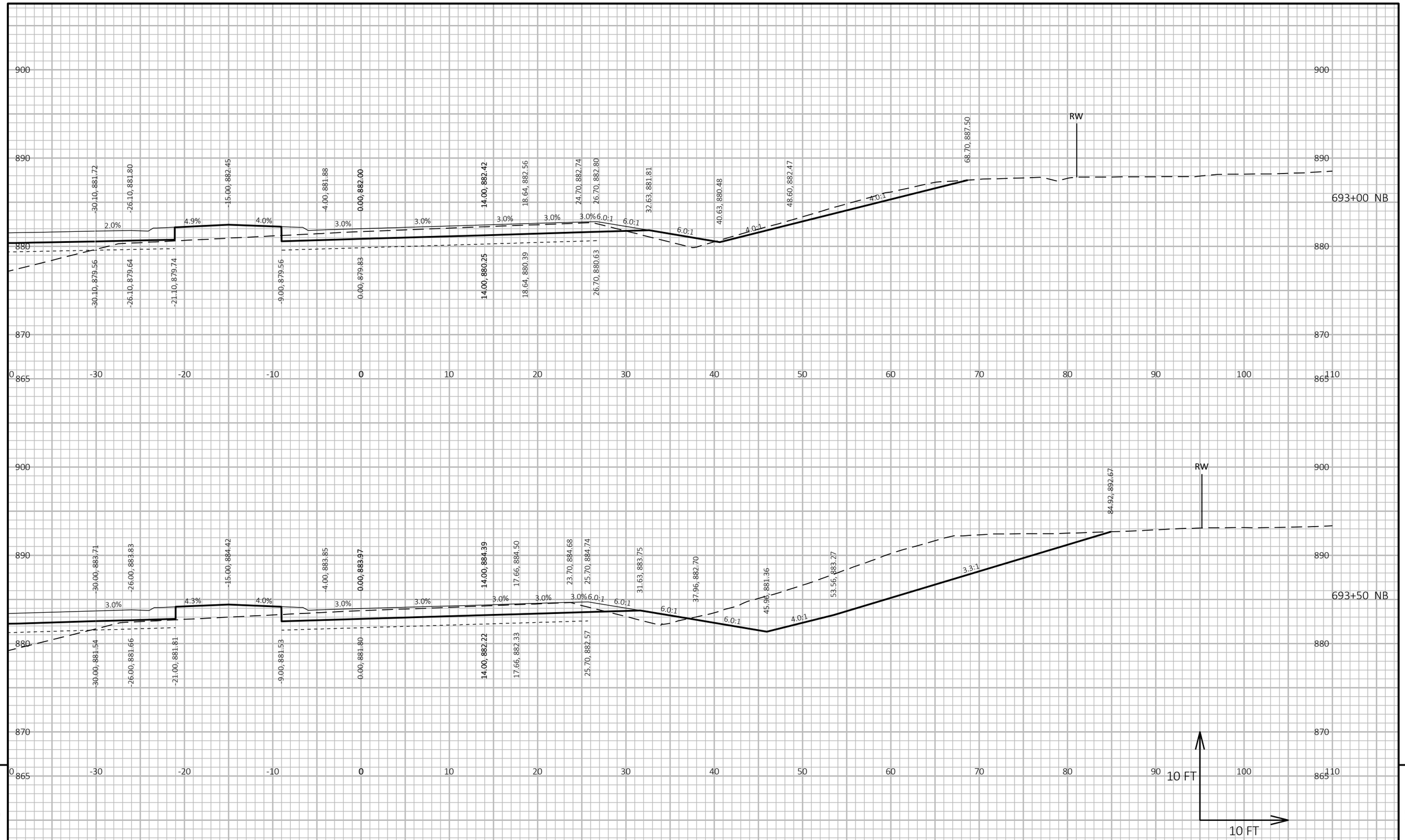
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 373	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-04

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

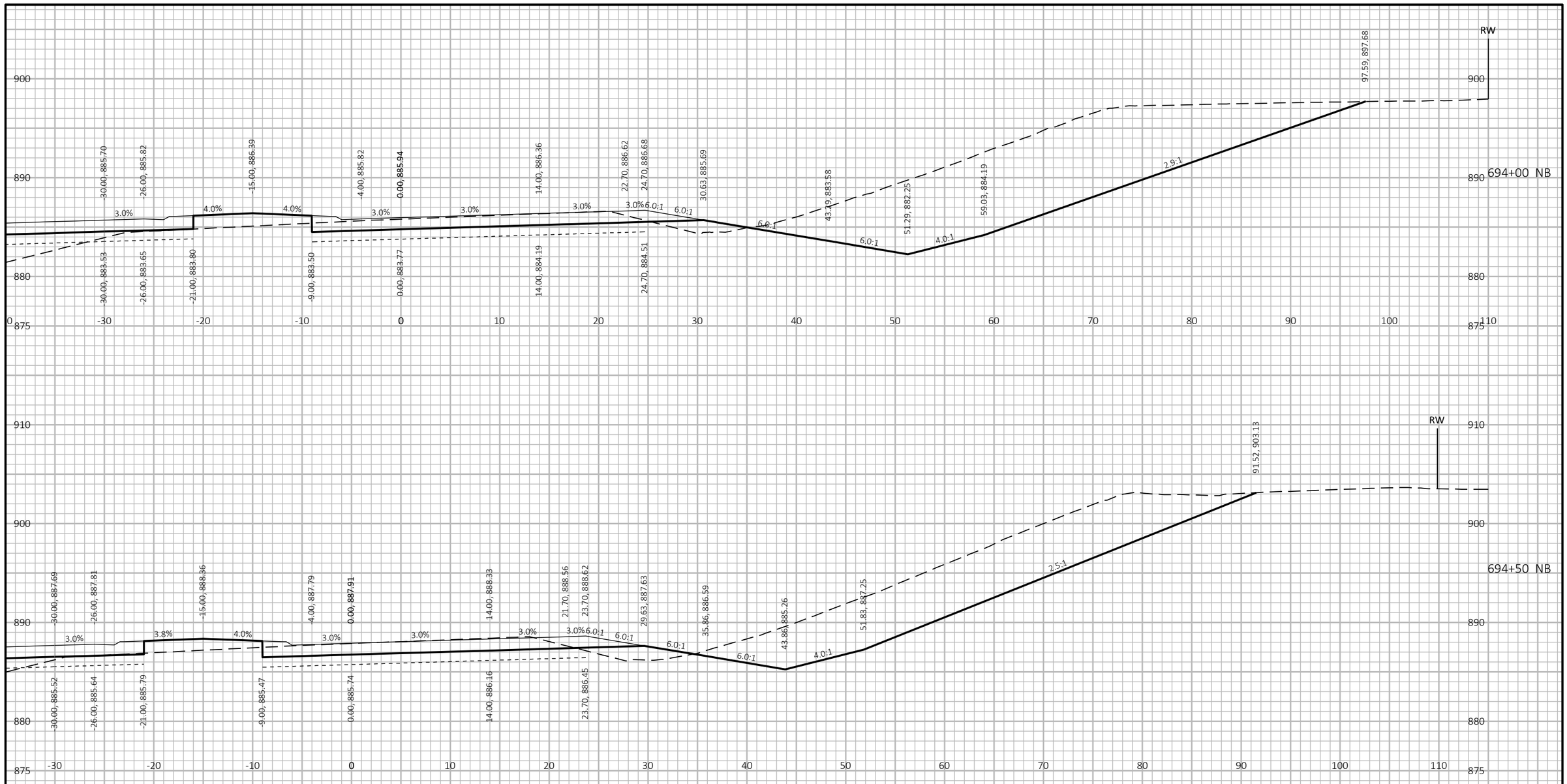


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 374	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-05

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

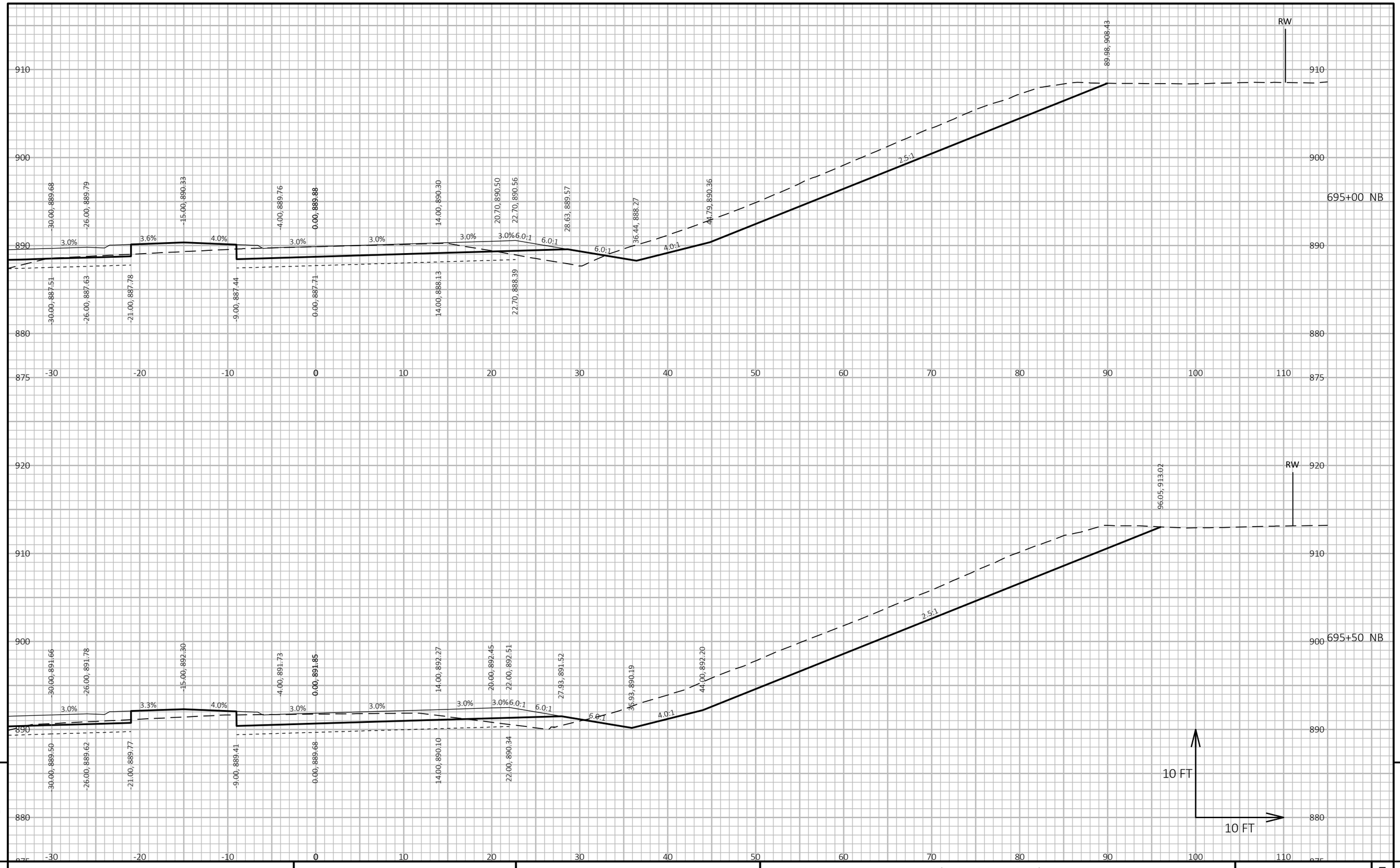


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 375 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-06

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

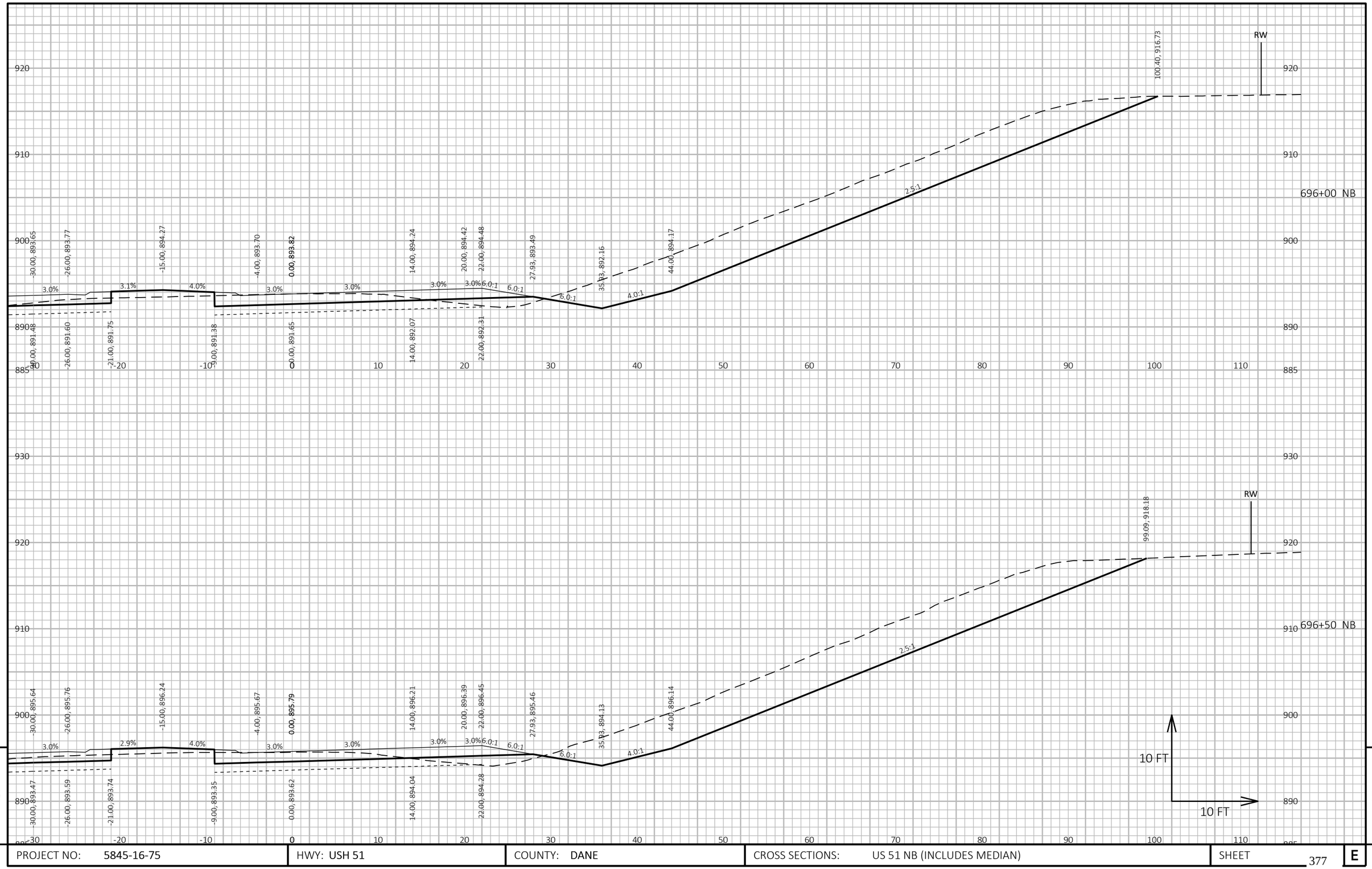


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 376 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-07

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

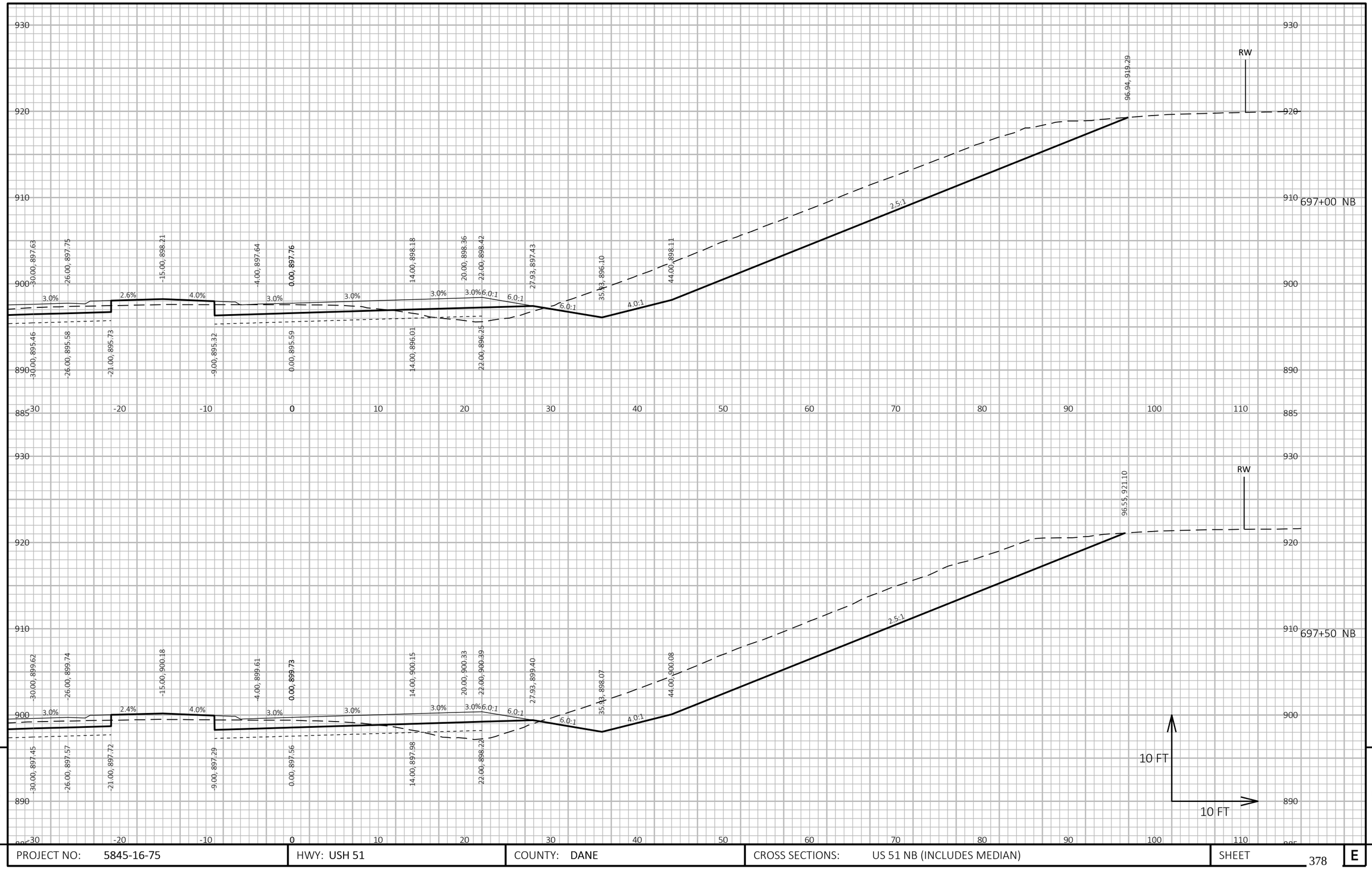


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 377 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-08

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

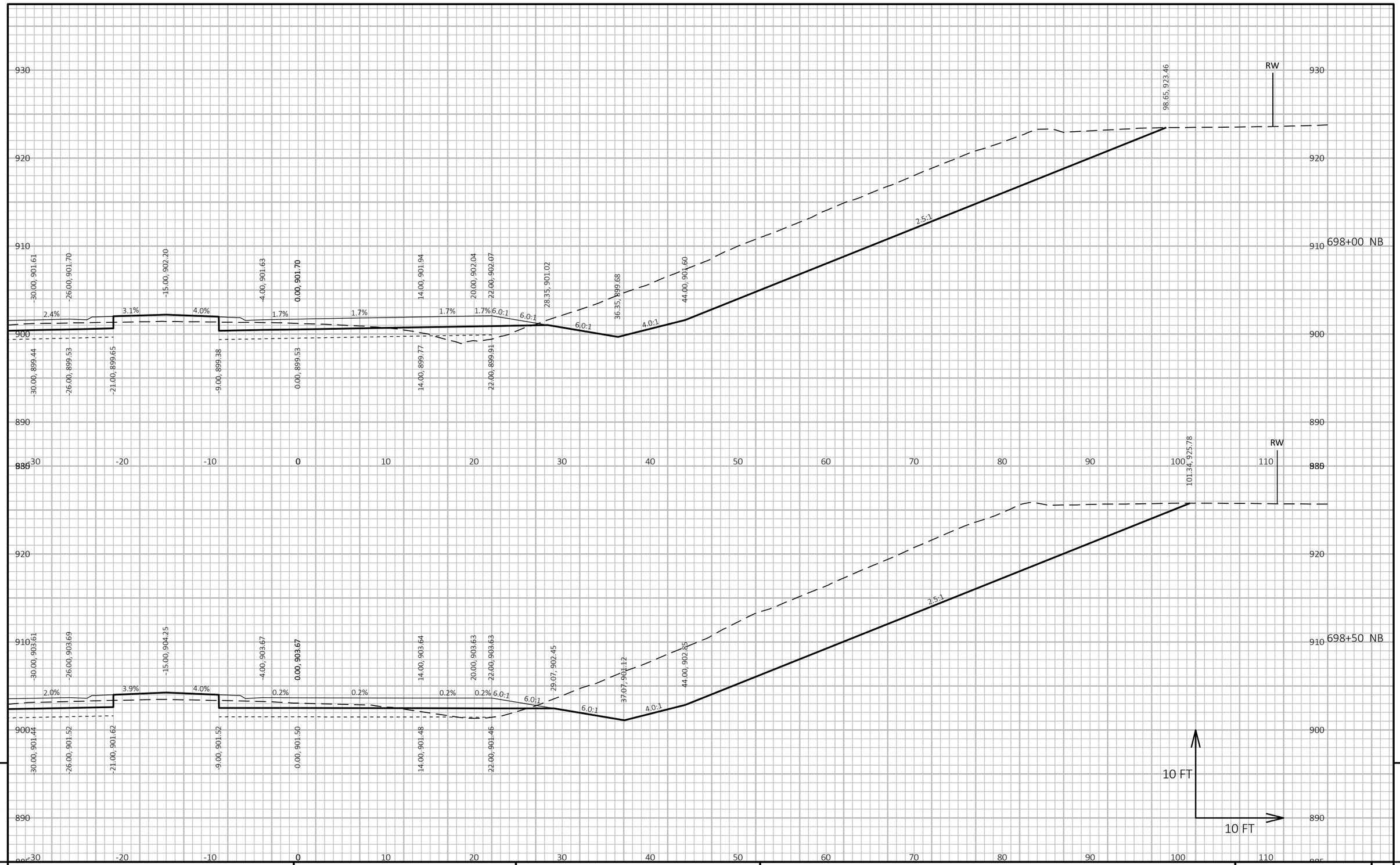
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 378	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-09

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

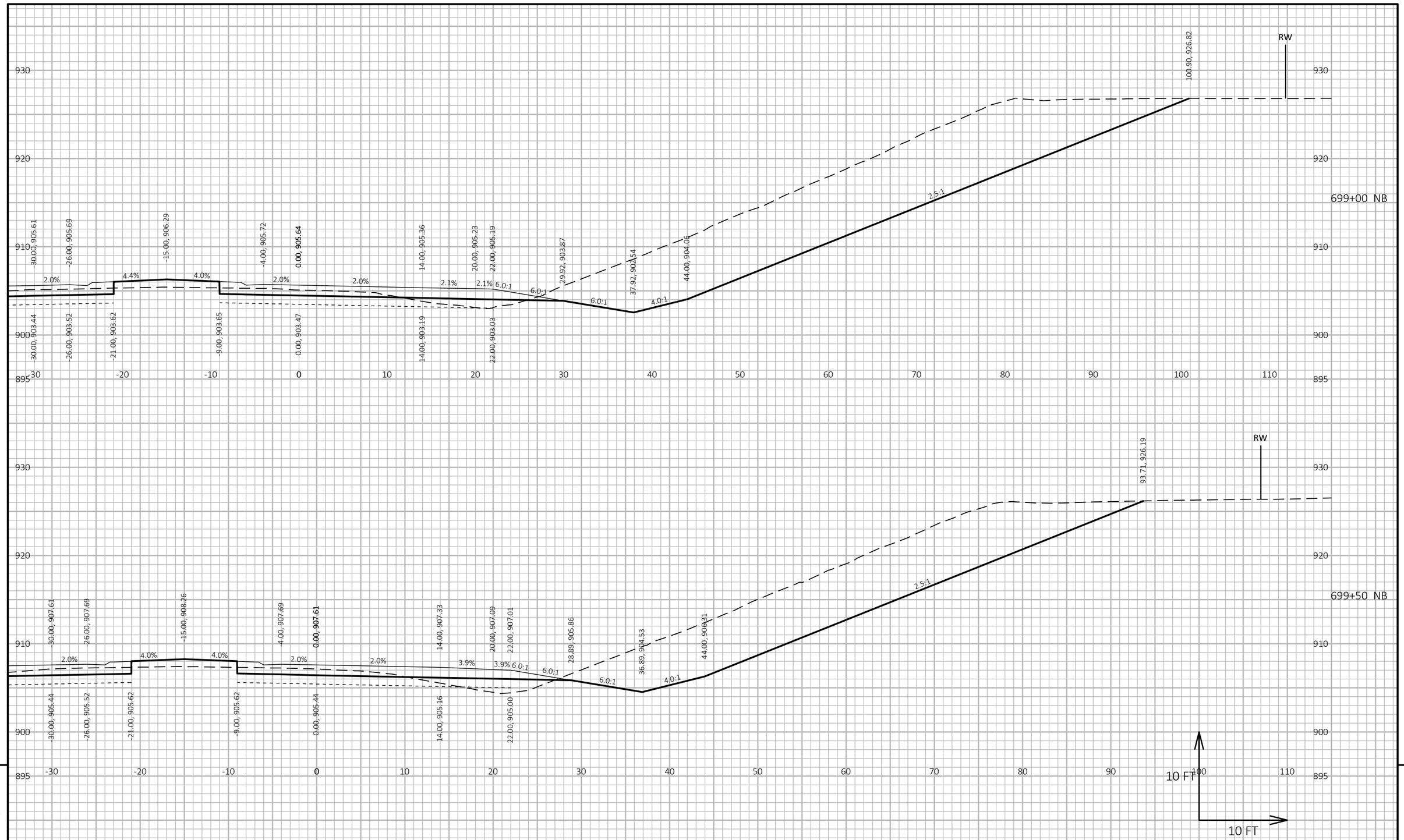
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 379	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-10

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

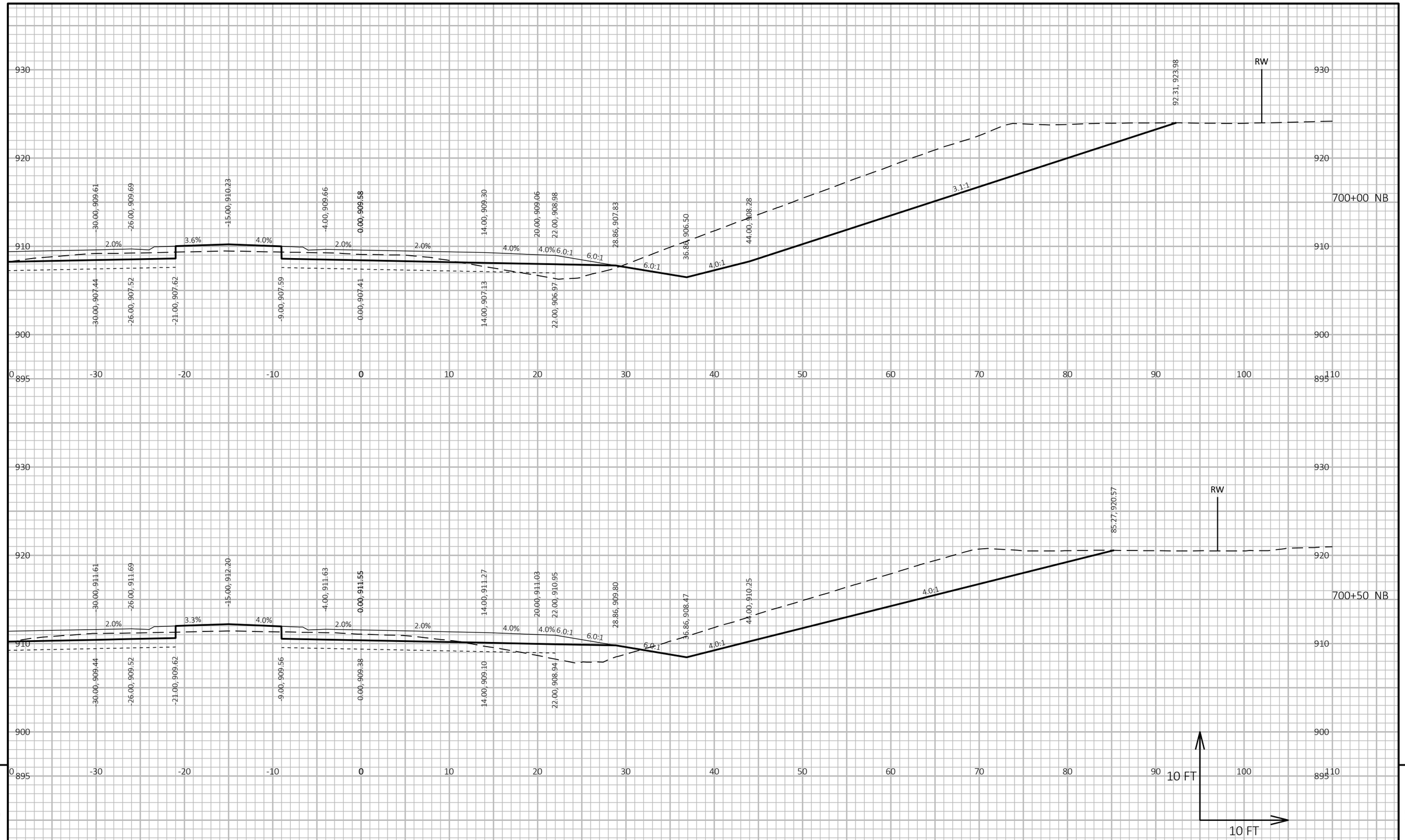
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 380	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-11

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

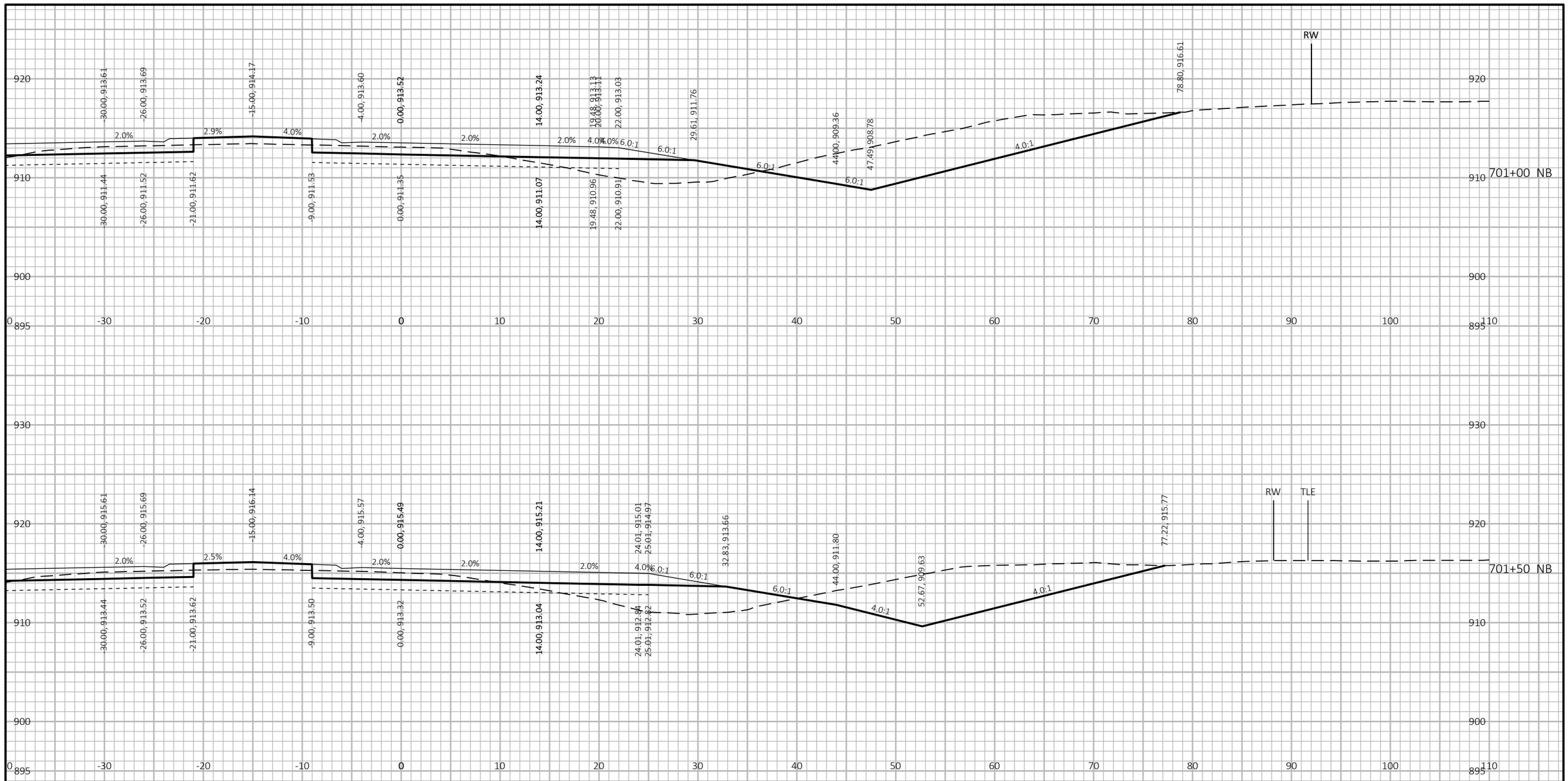
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 381	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-12

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

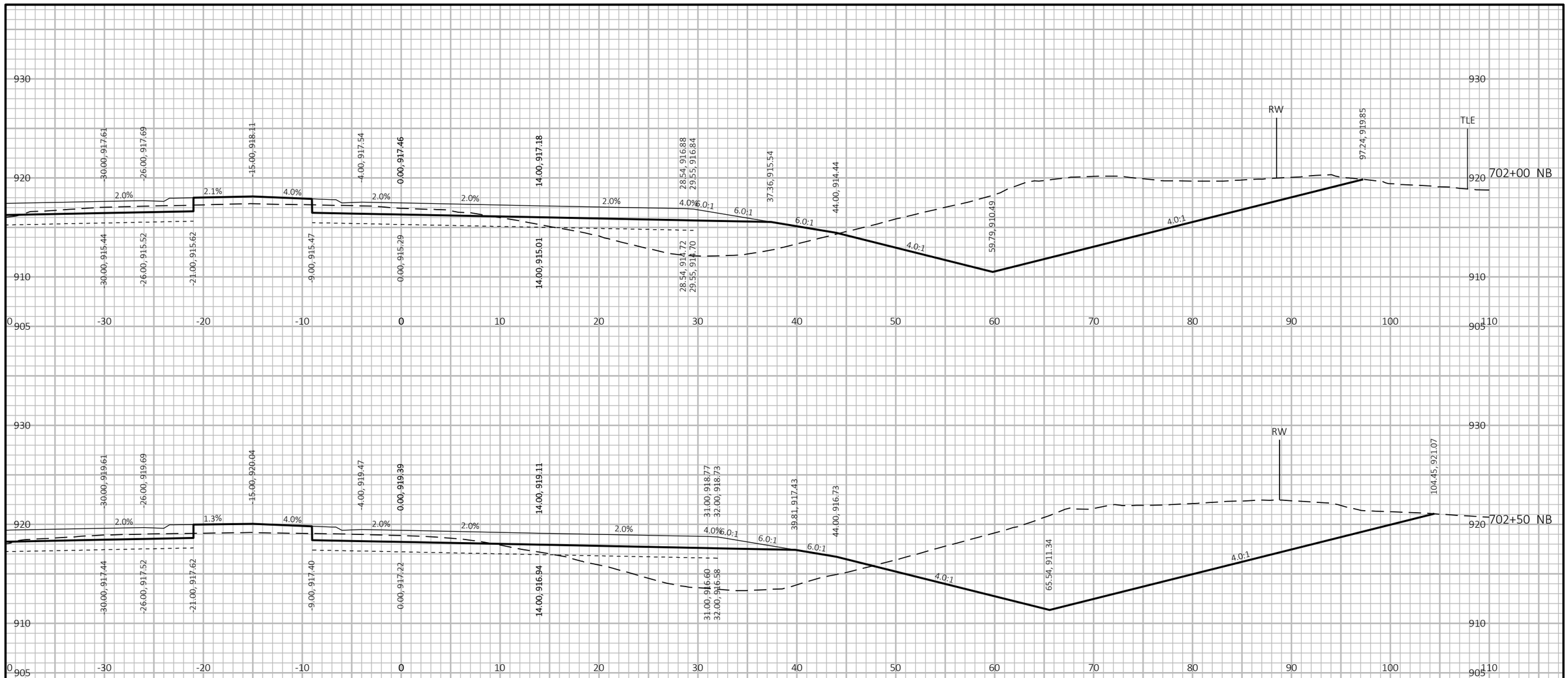
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 382	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-13

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



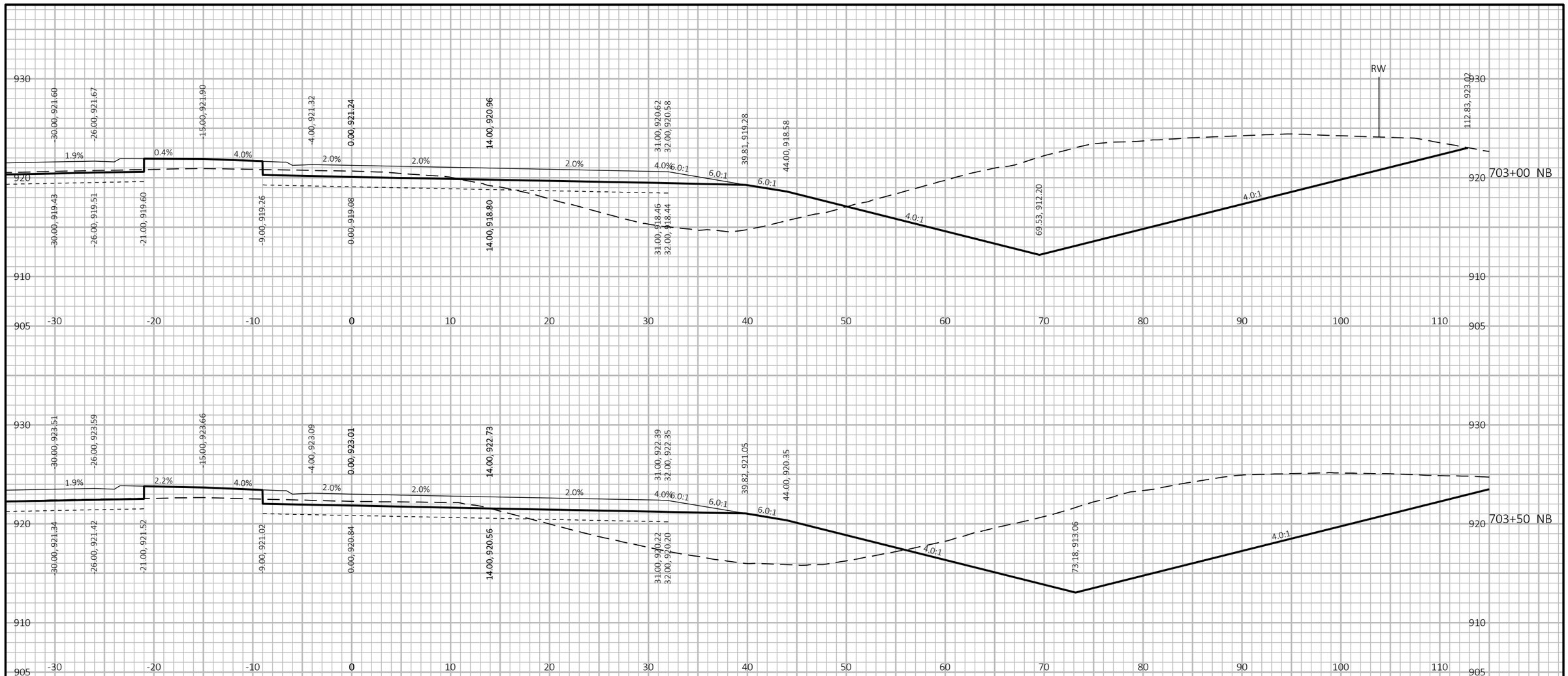
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9

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 383	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-14

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

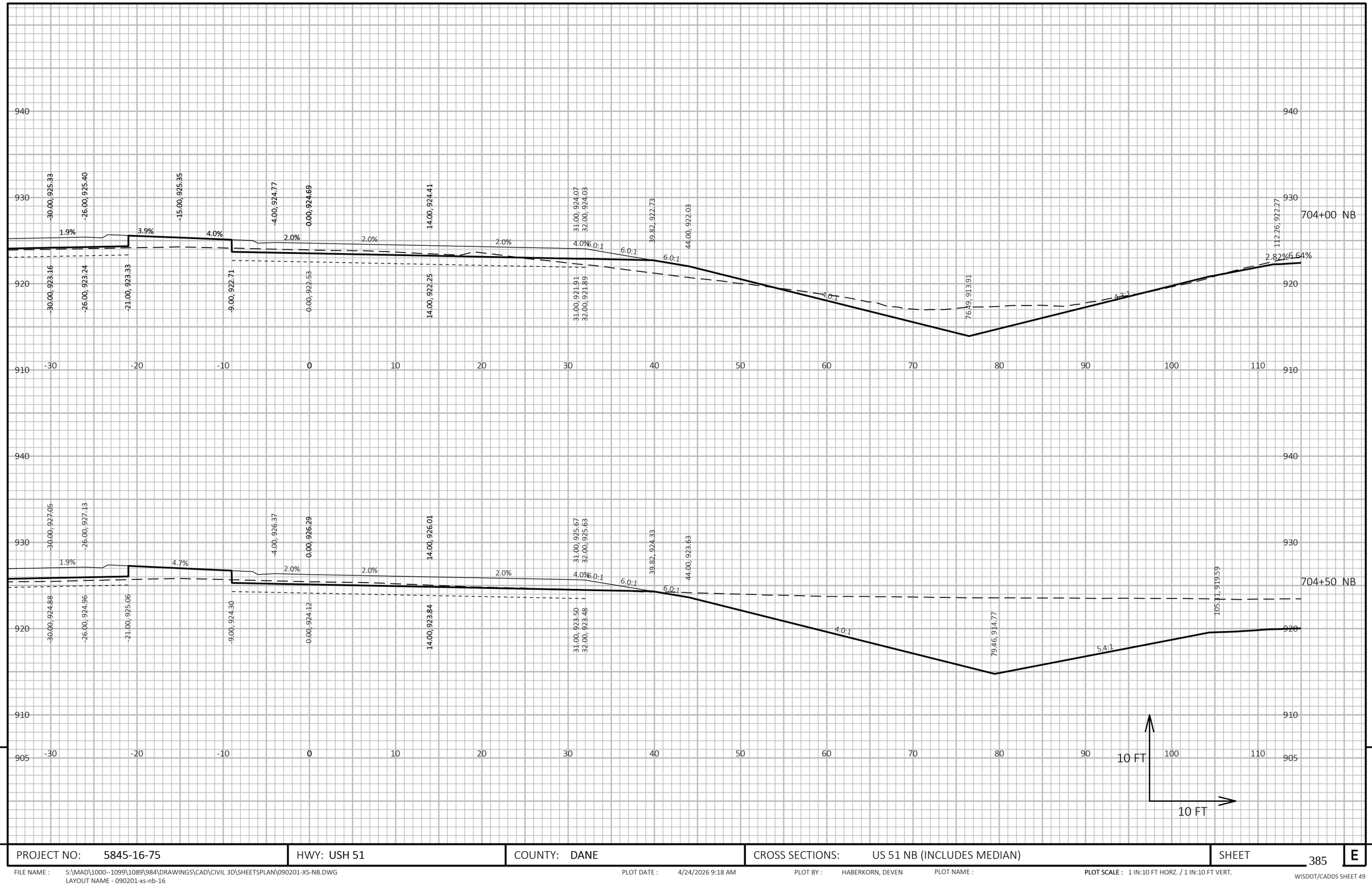
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 384	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-15

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

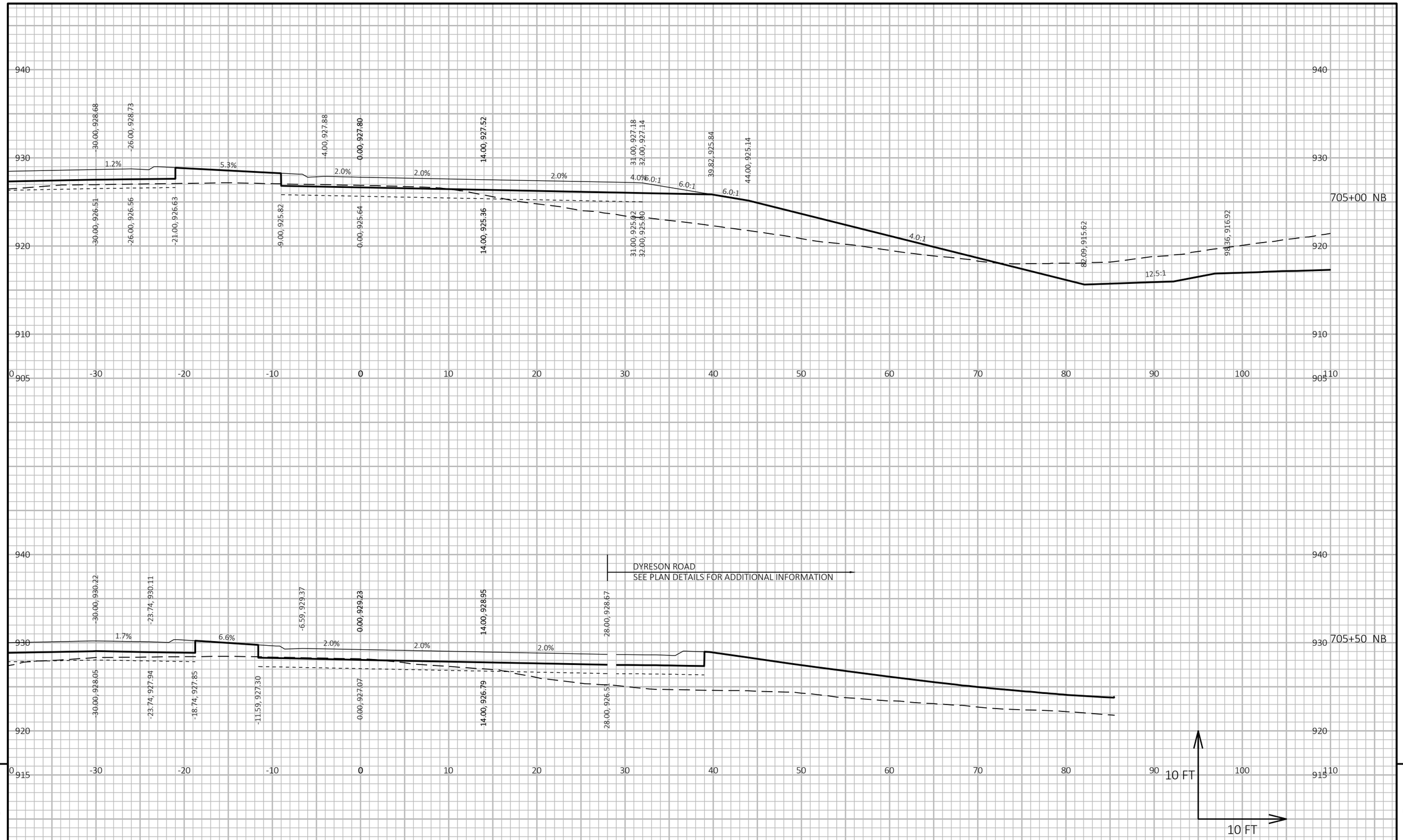
9

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 385	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-16

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

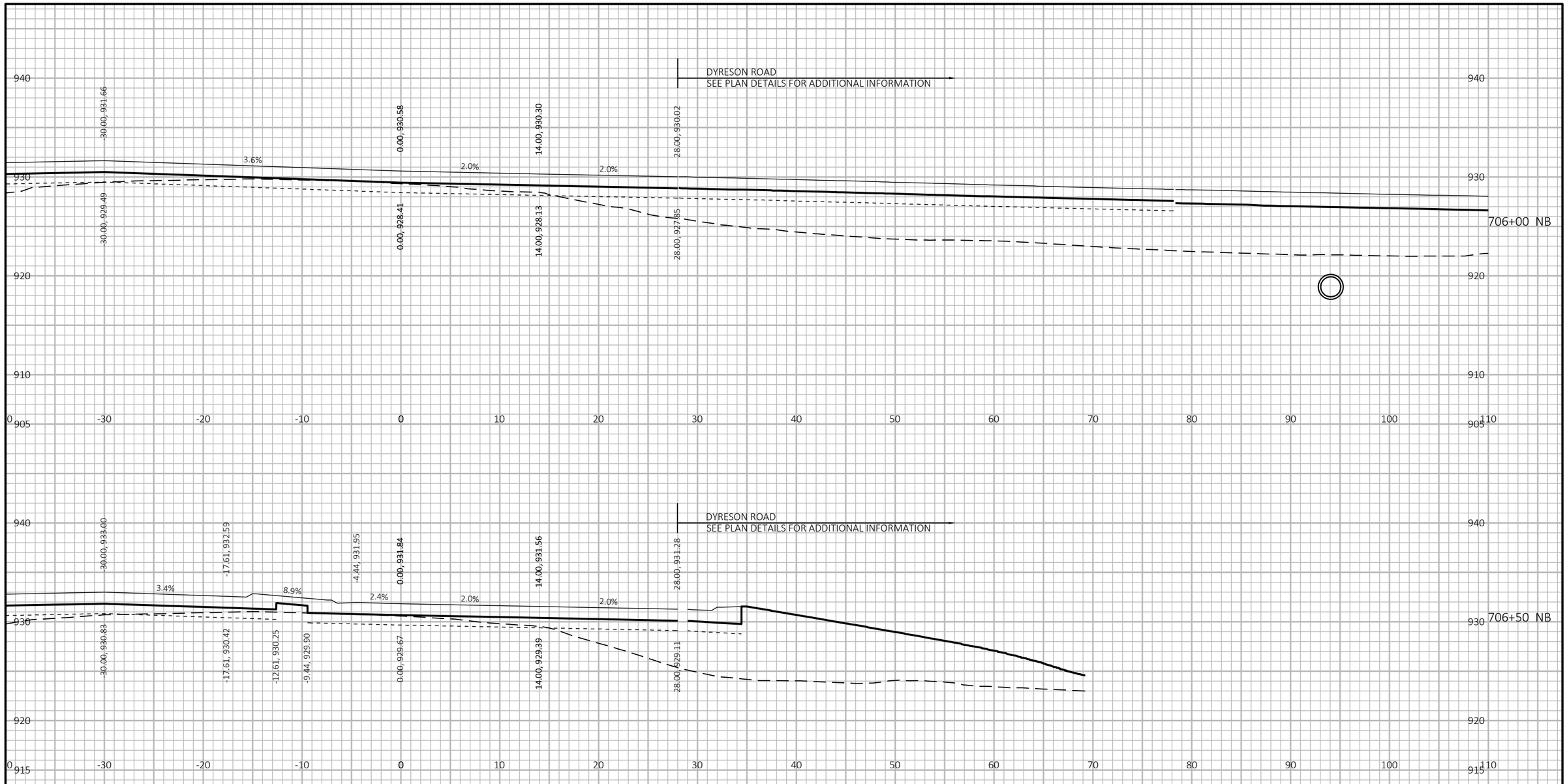


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 386	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-17

PLOT DATE : 5/1/2026 8:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

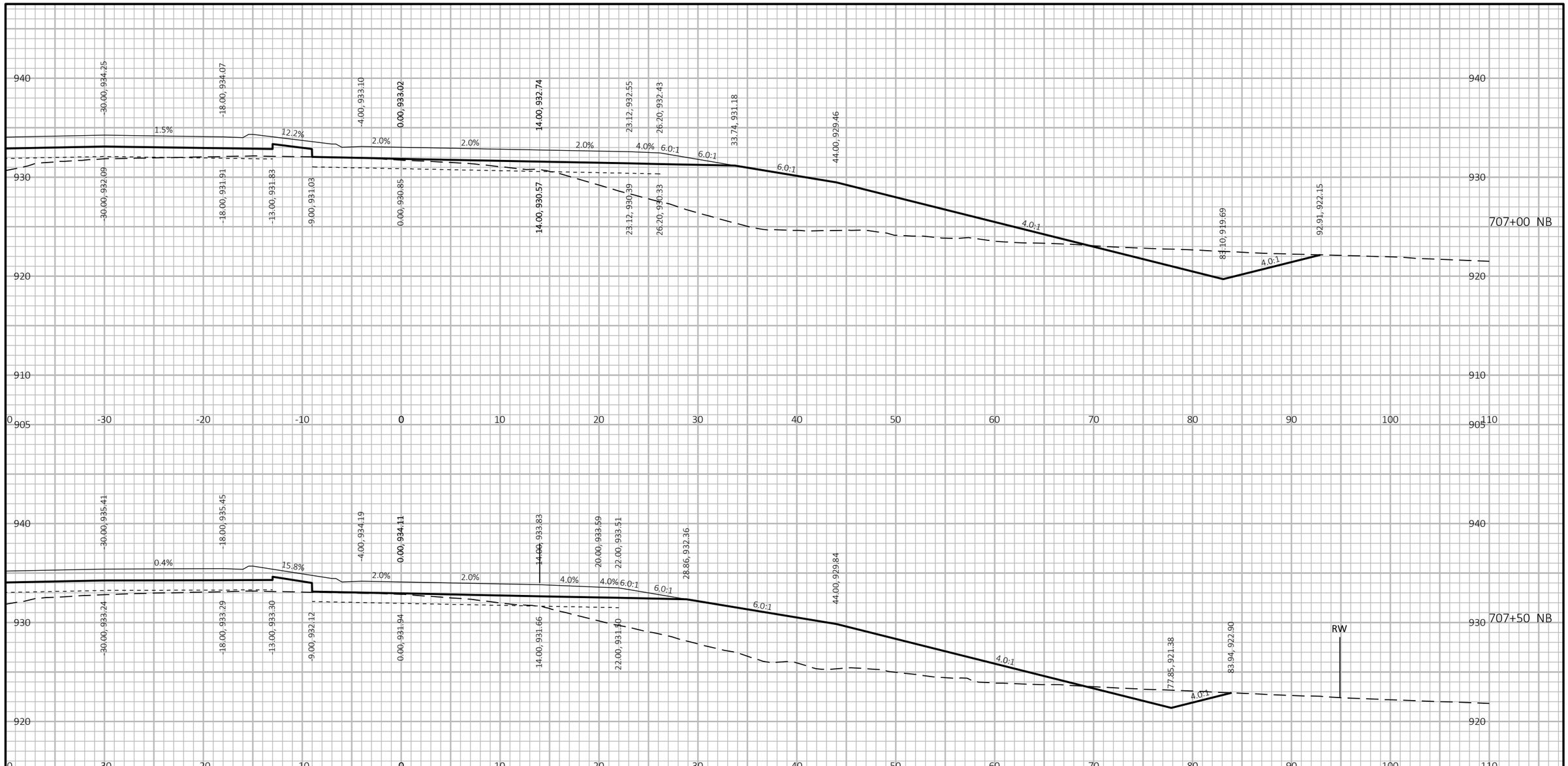


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 387	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-18

PLOT DATE : 5/1/2026 8:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

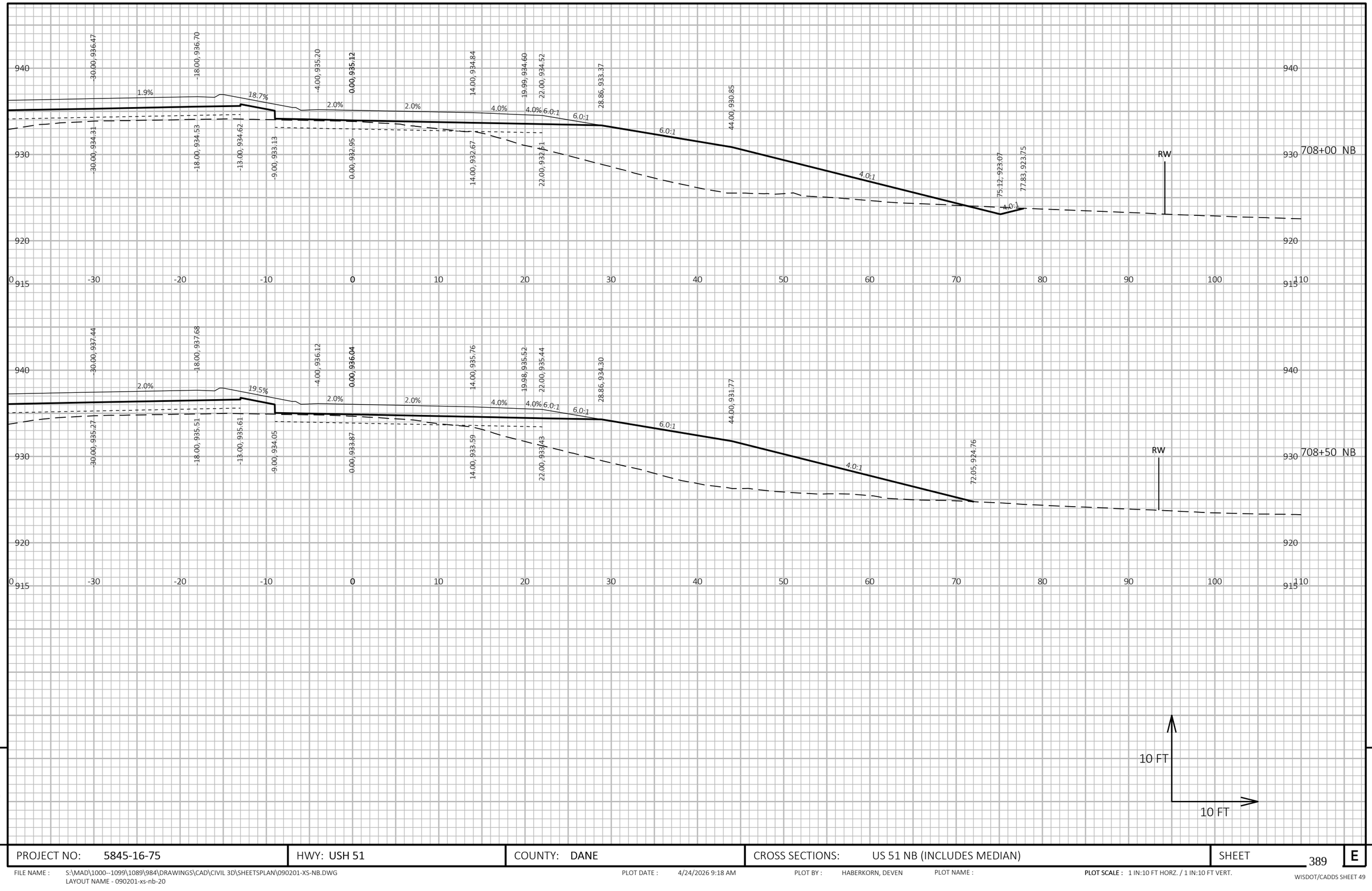


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 388	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-19

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

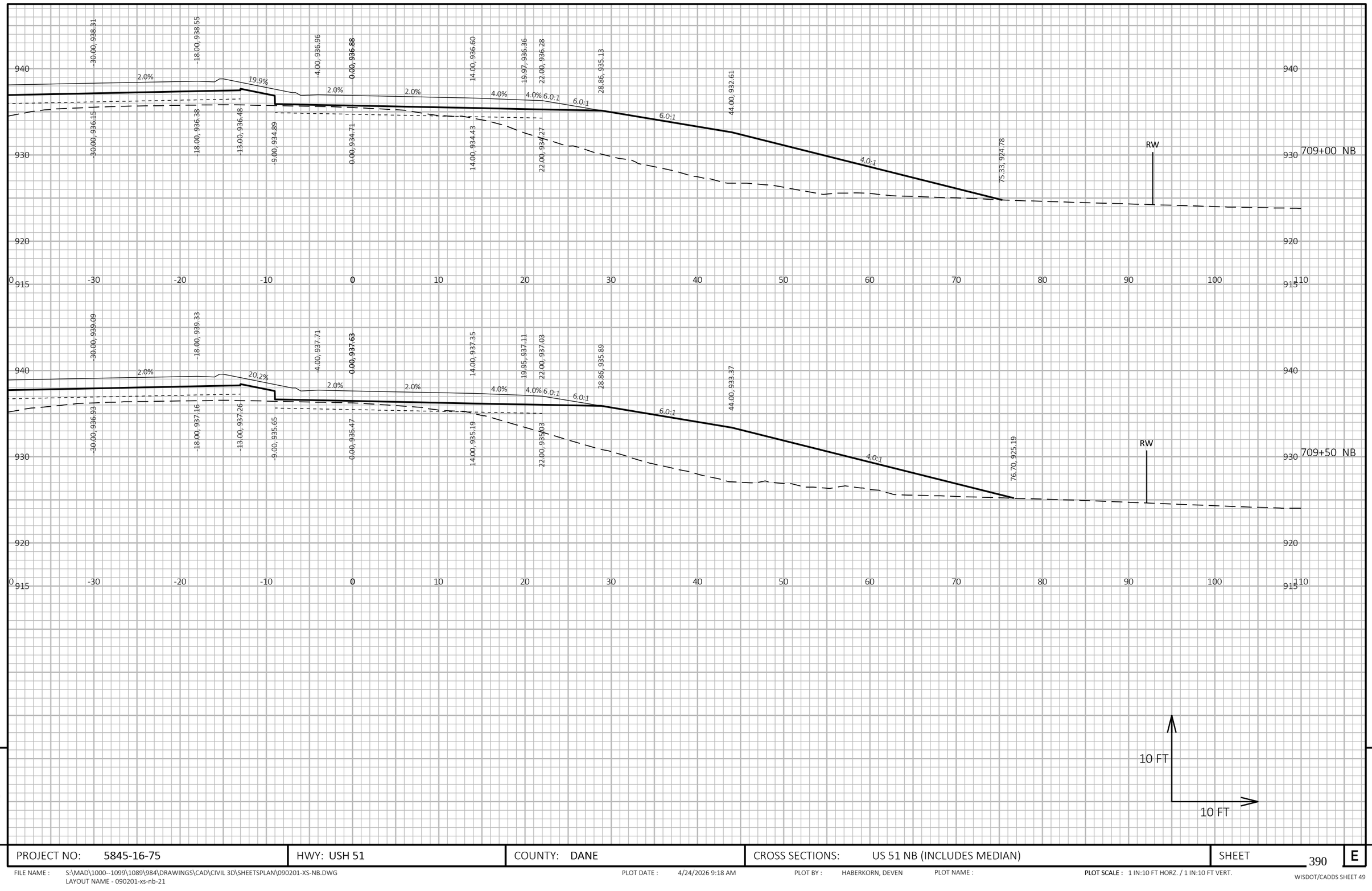
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 389	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-20

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

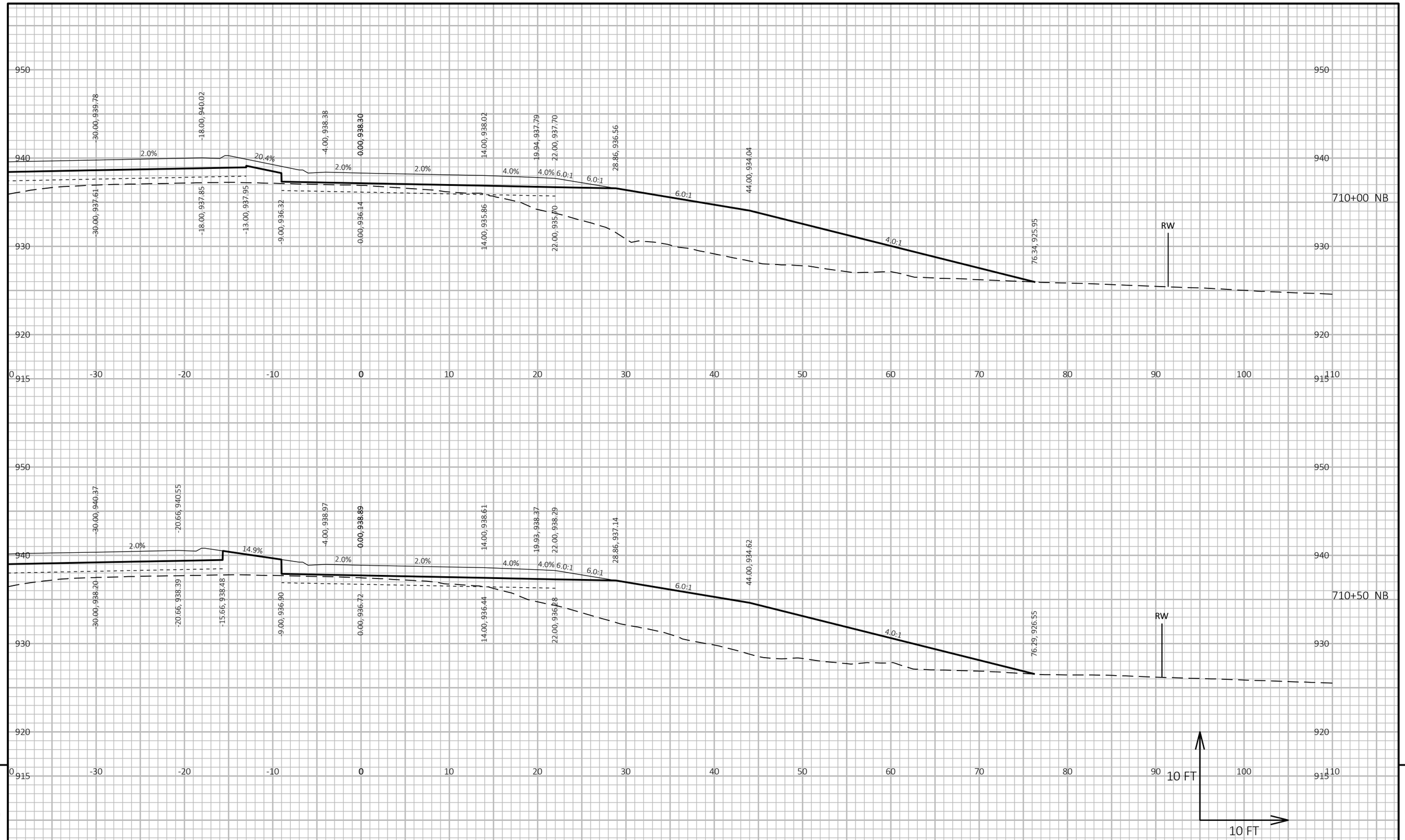
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 390	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-21

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

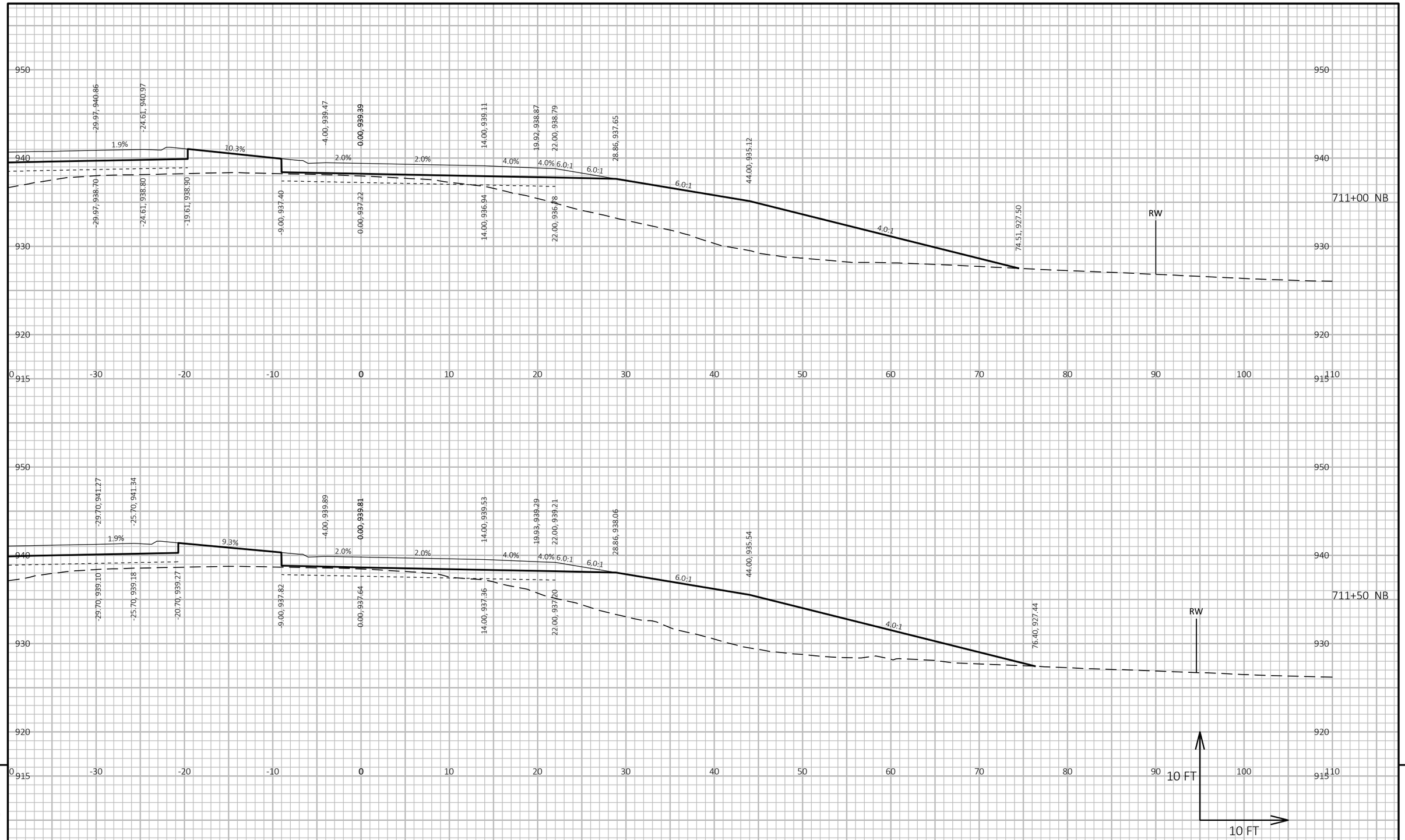


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 391	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-22

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

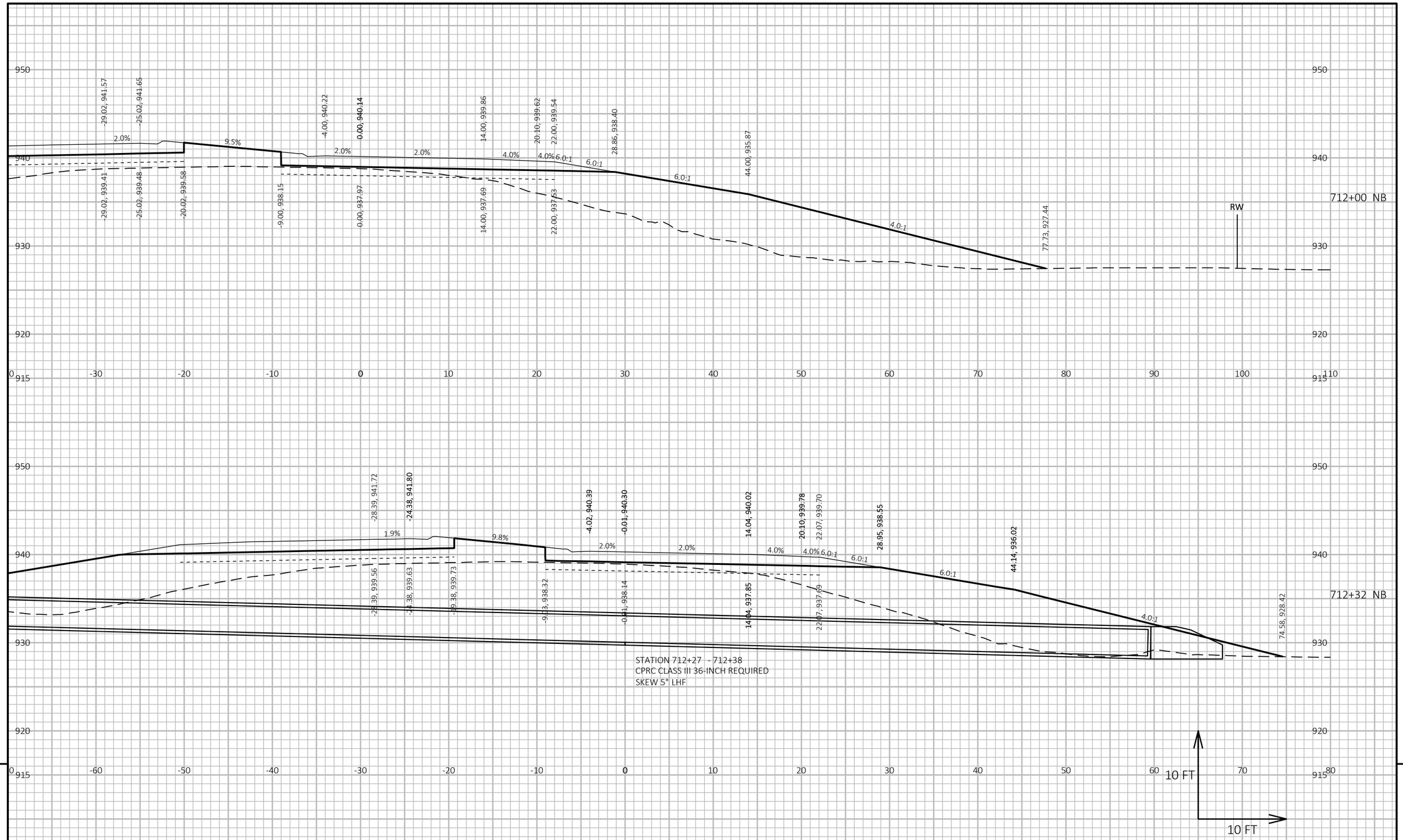
9

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 392	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-23

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

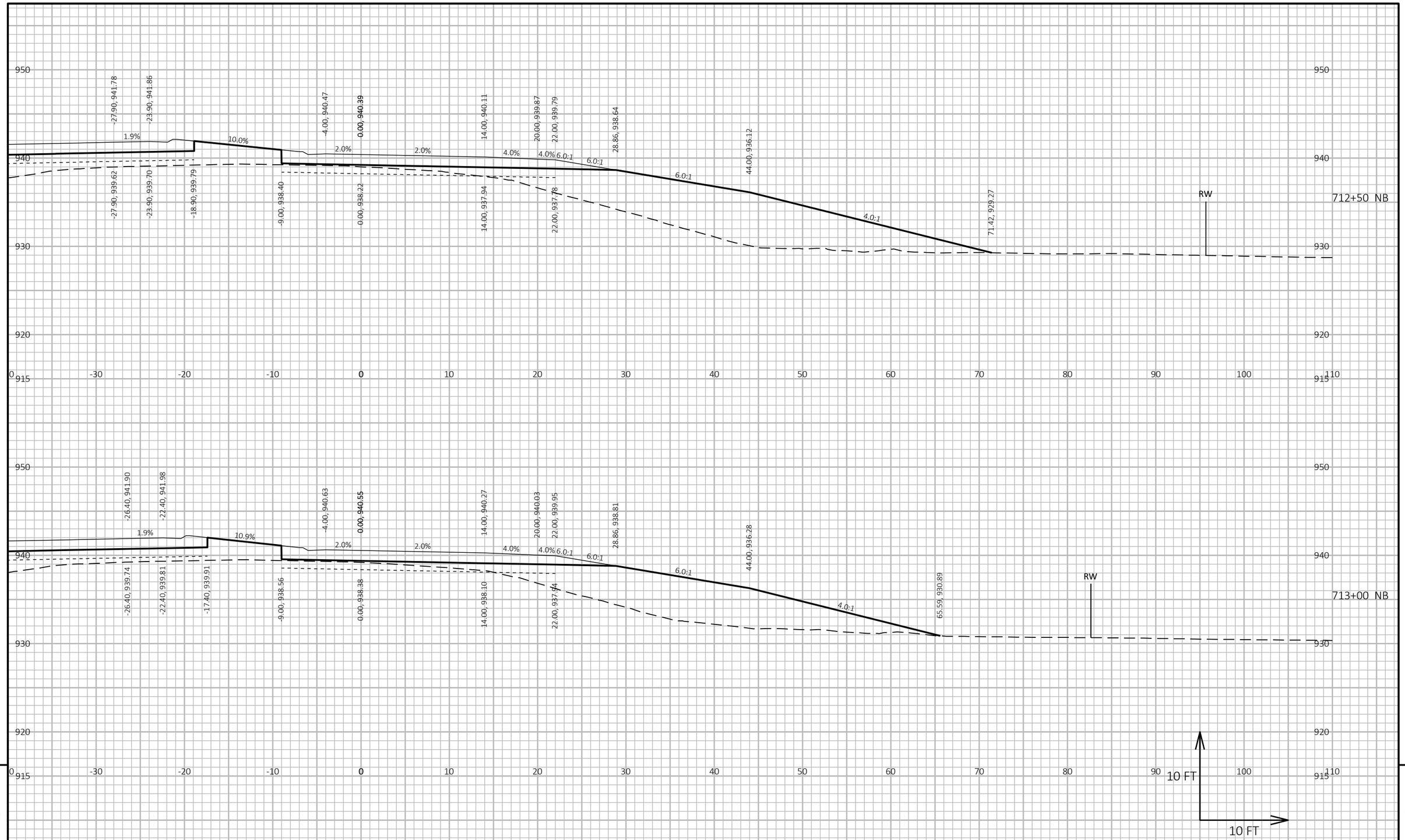
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 393	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-24

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

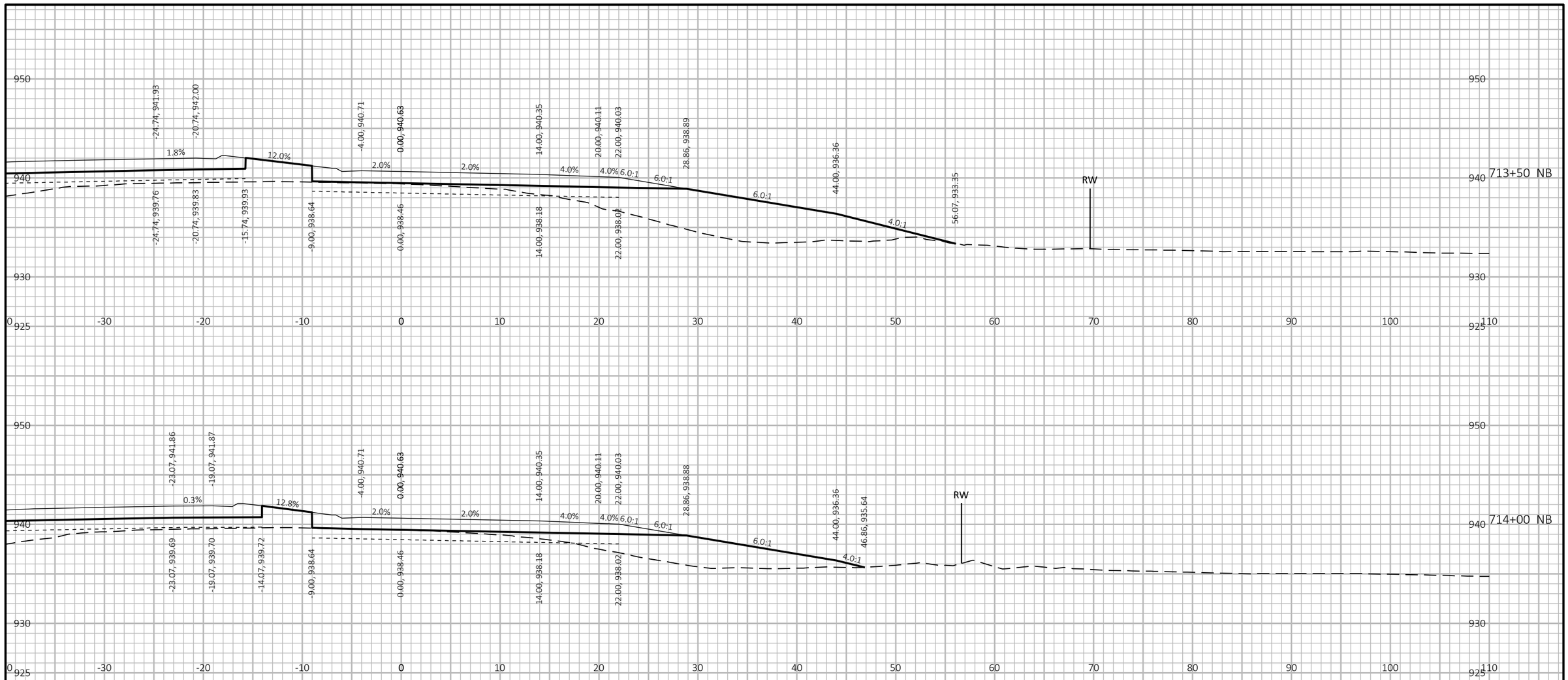


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 394	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-25

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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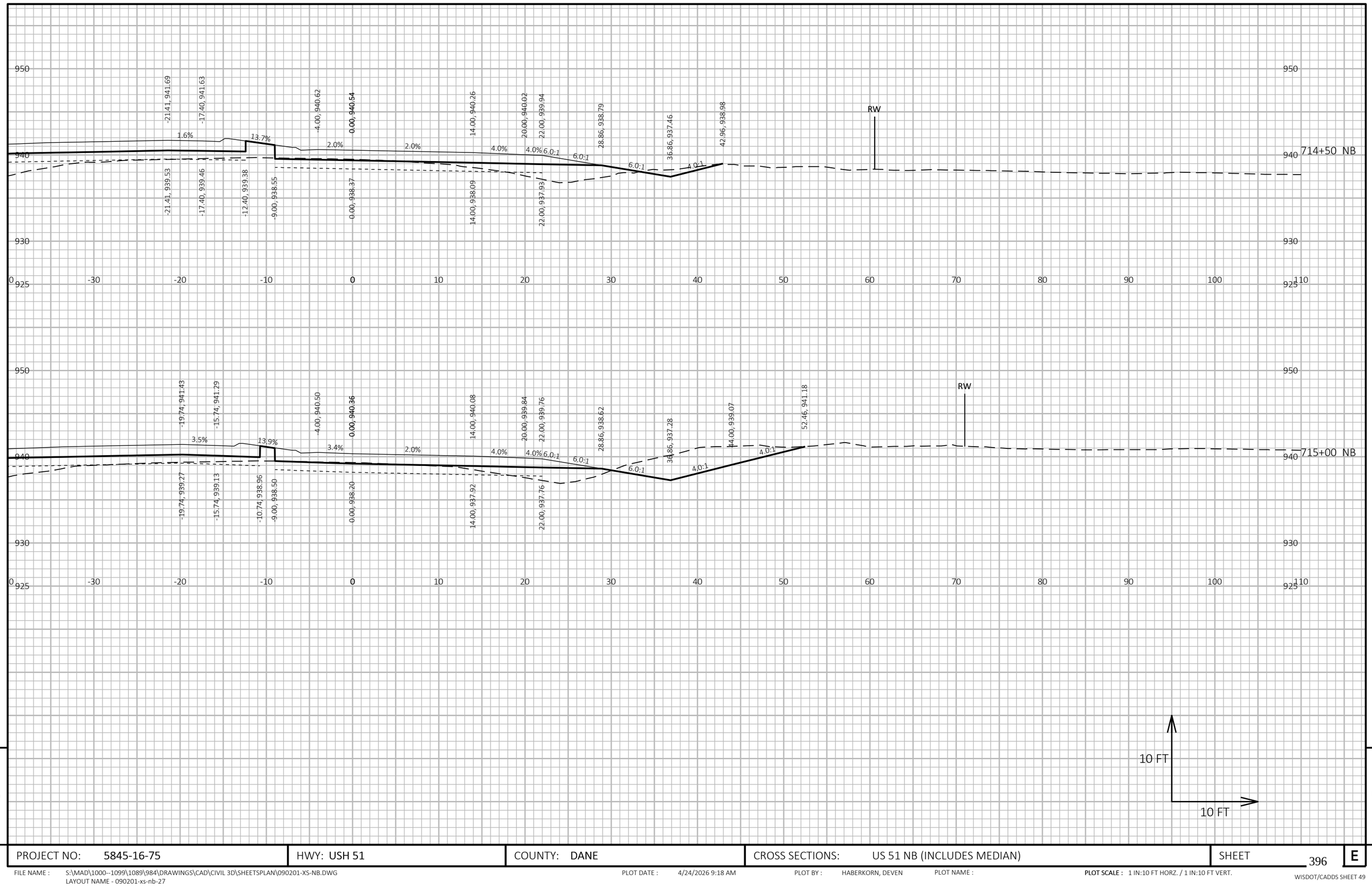
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 395	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-26

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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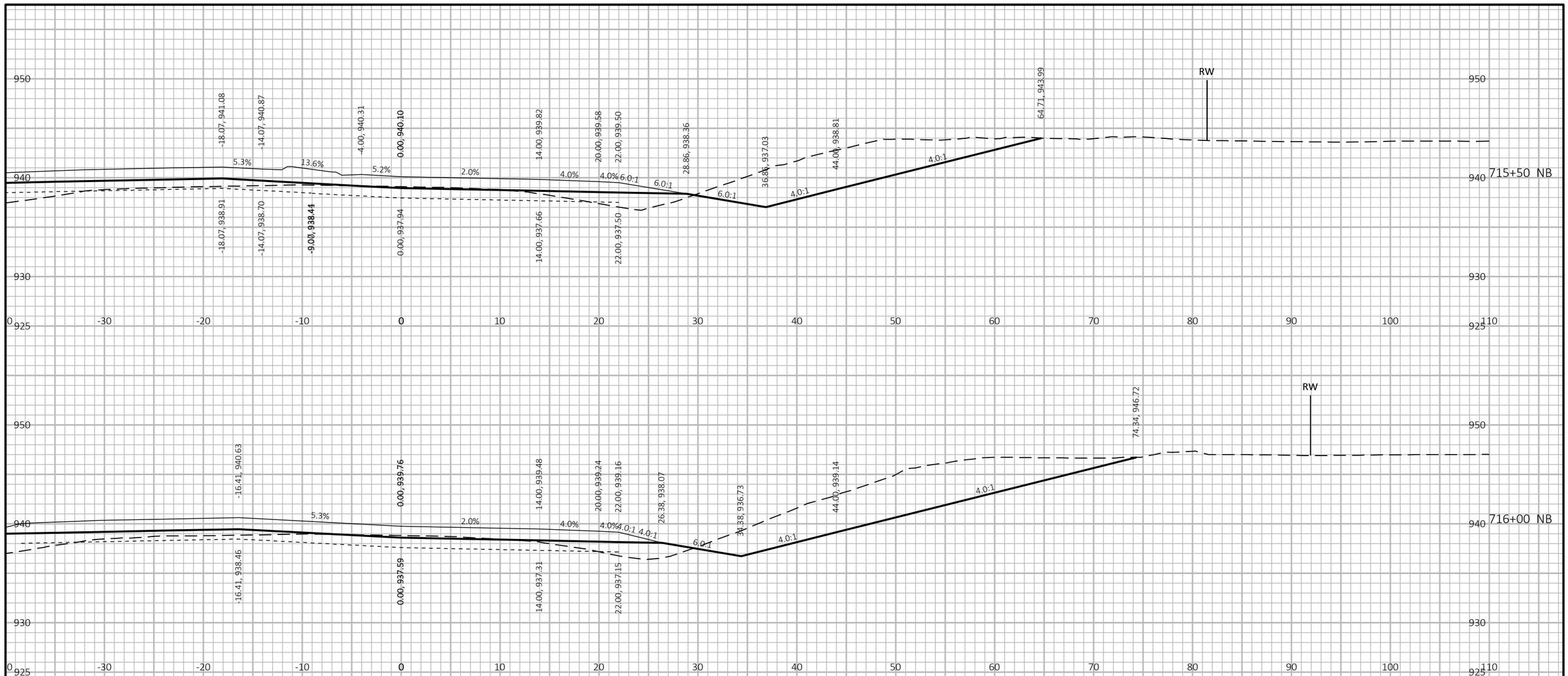
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 396	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-27

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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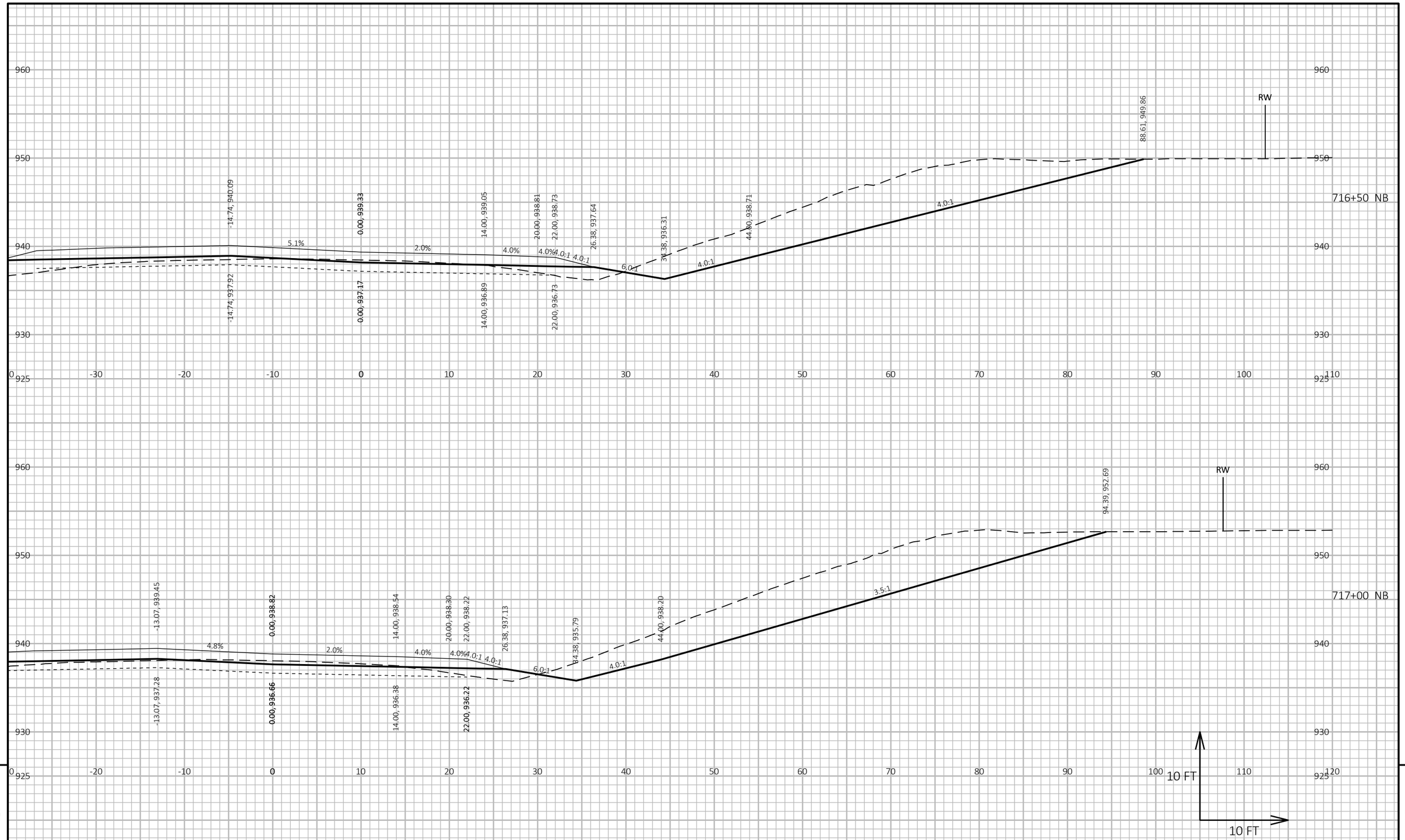
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 397	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-28

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

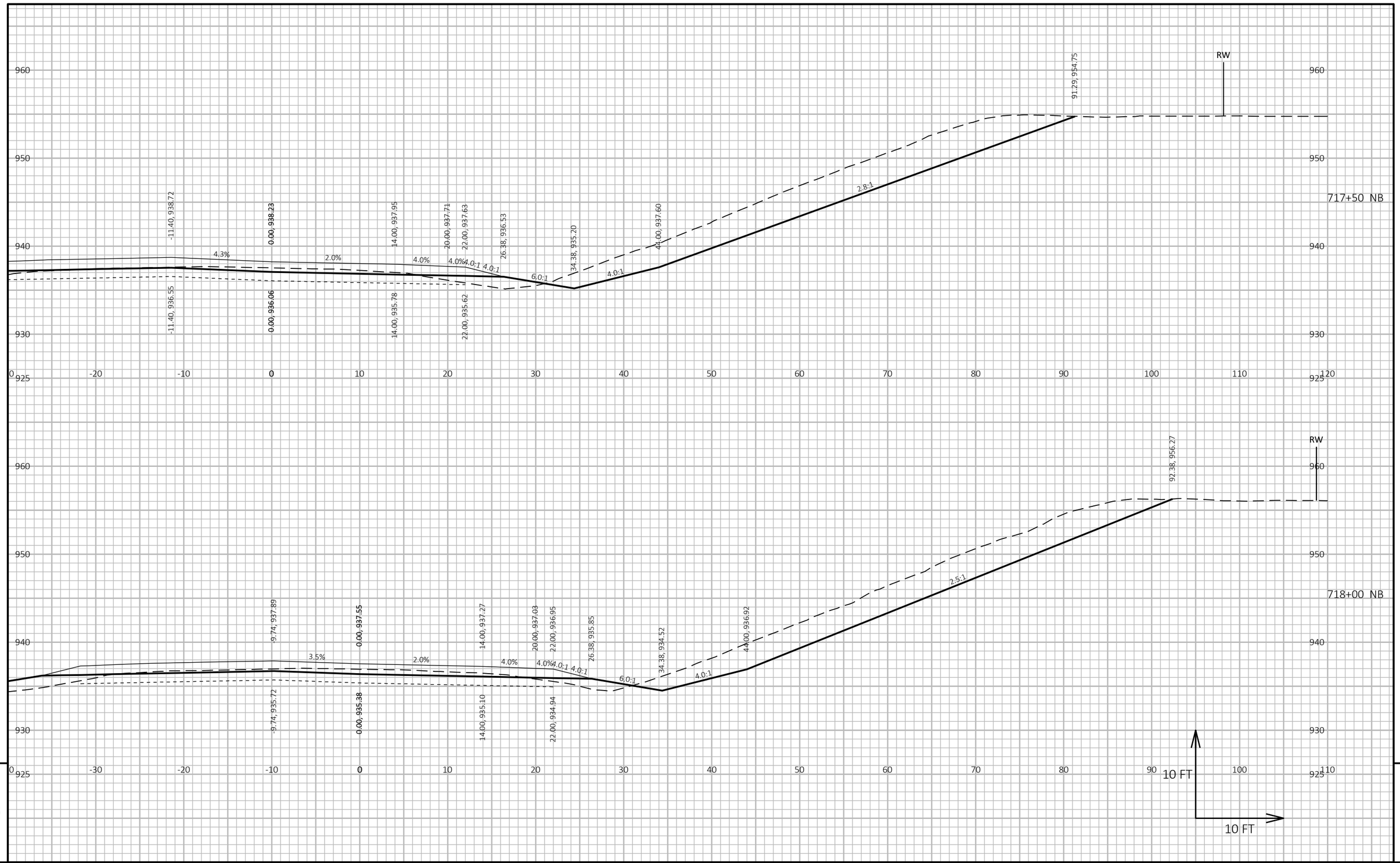


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 398 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-29

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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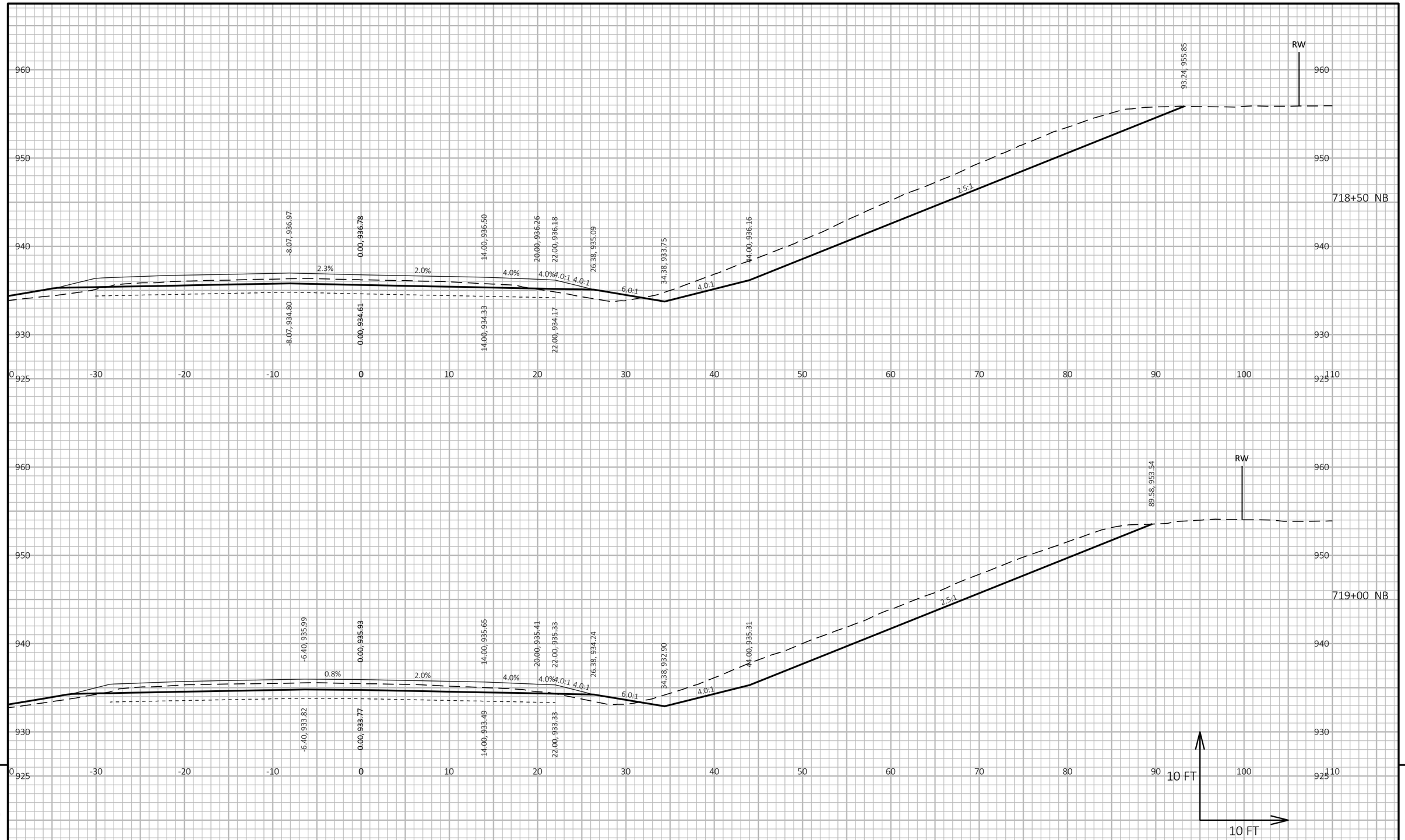
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 399	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-30

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

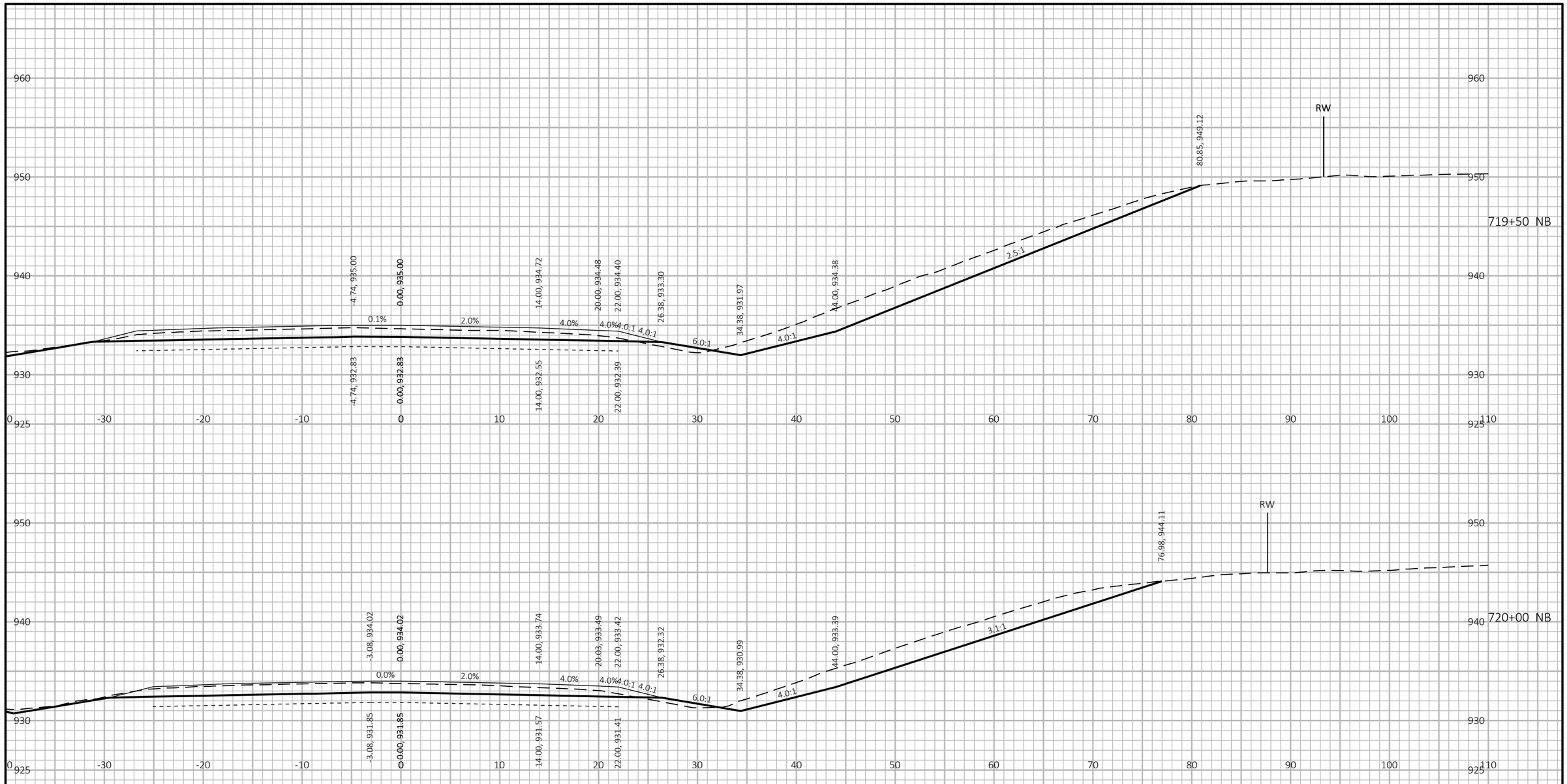
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 400	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-31

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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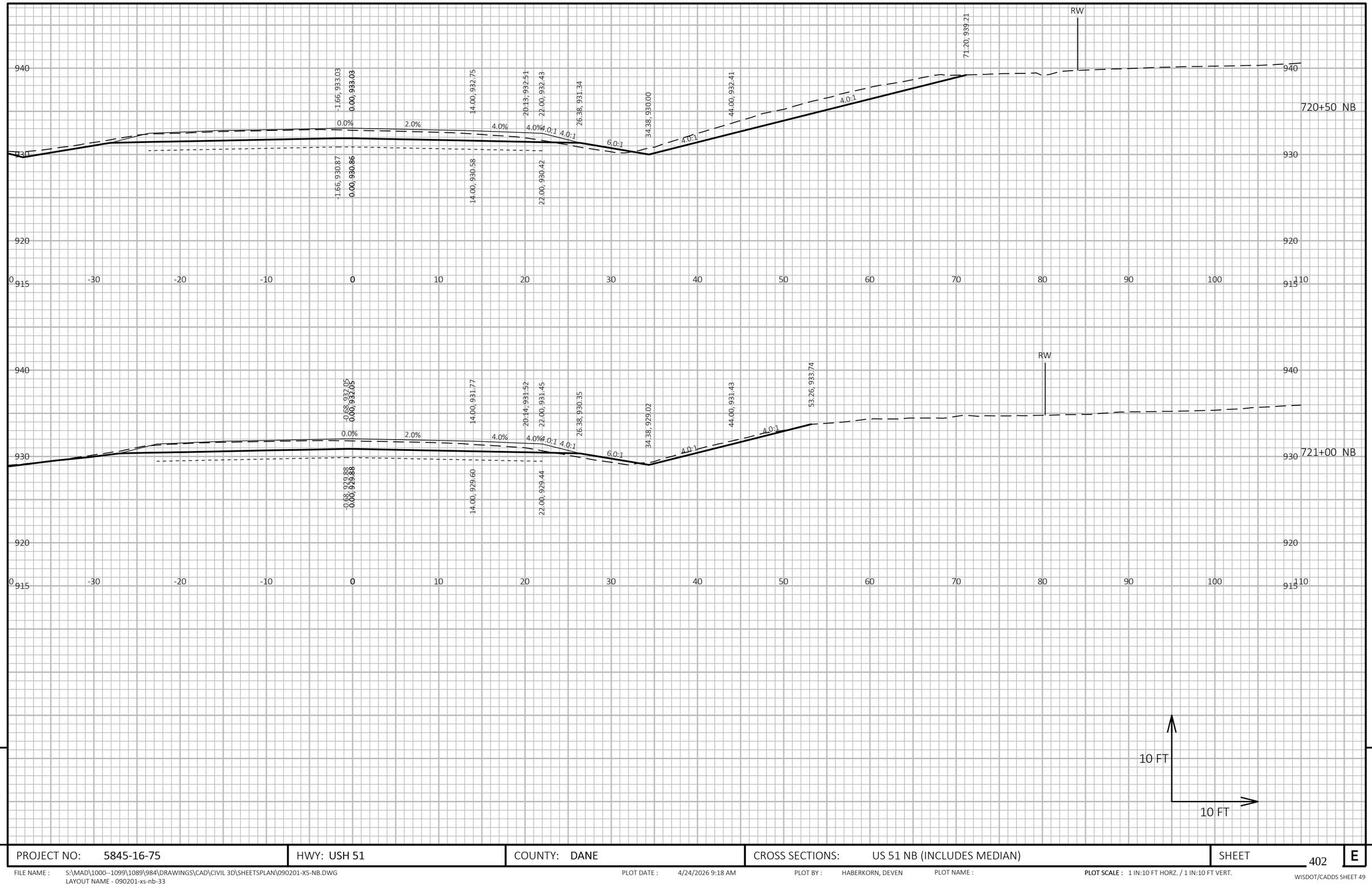
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 401	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-32

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

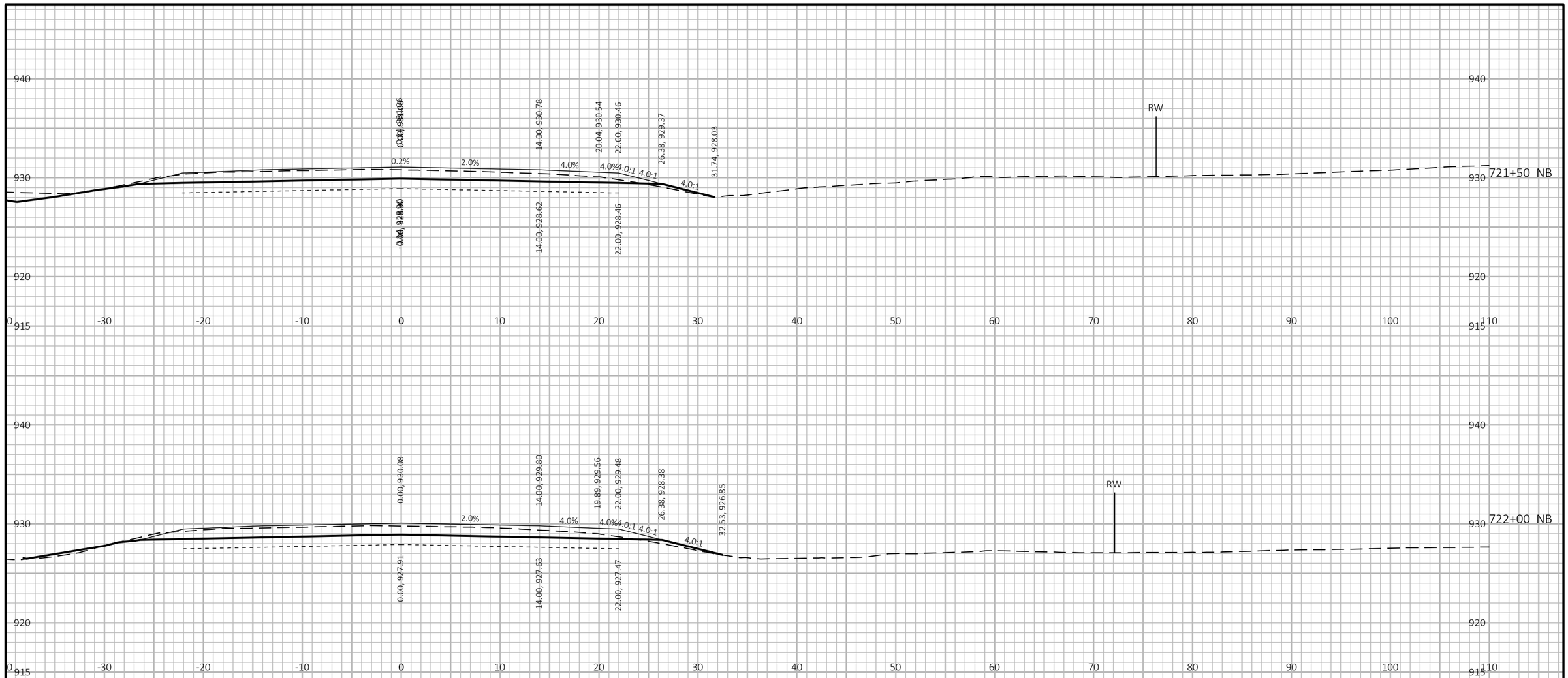
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 402	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-33

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB (INCLUDES MEDIAN)	SHEET 403	E

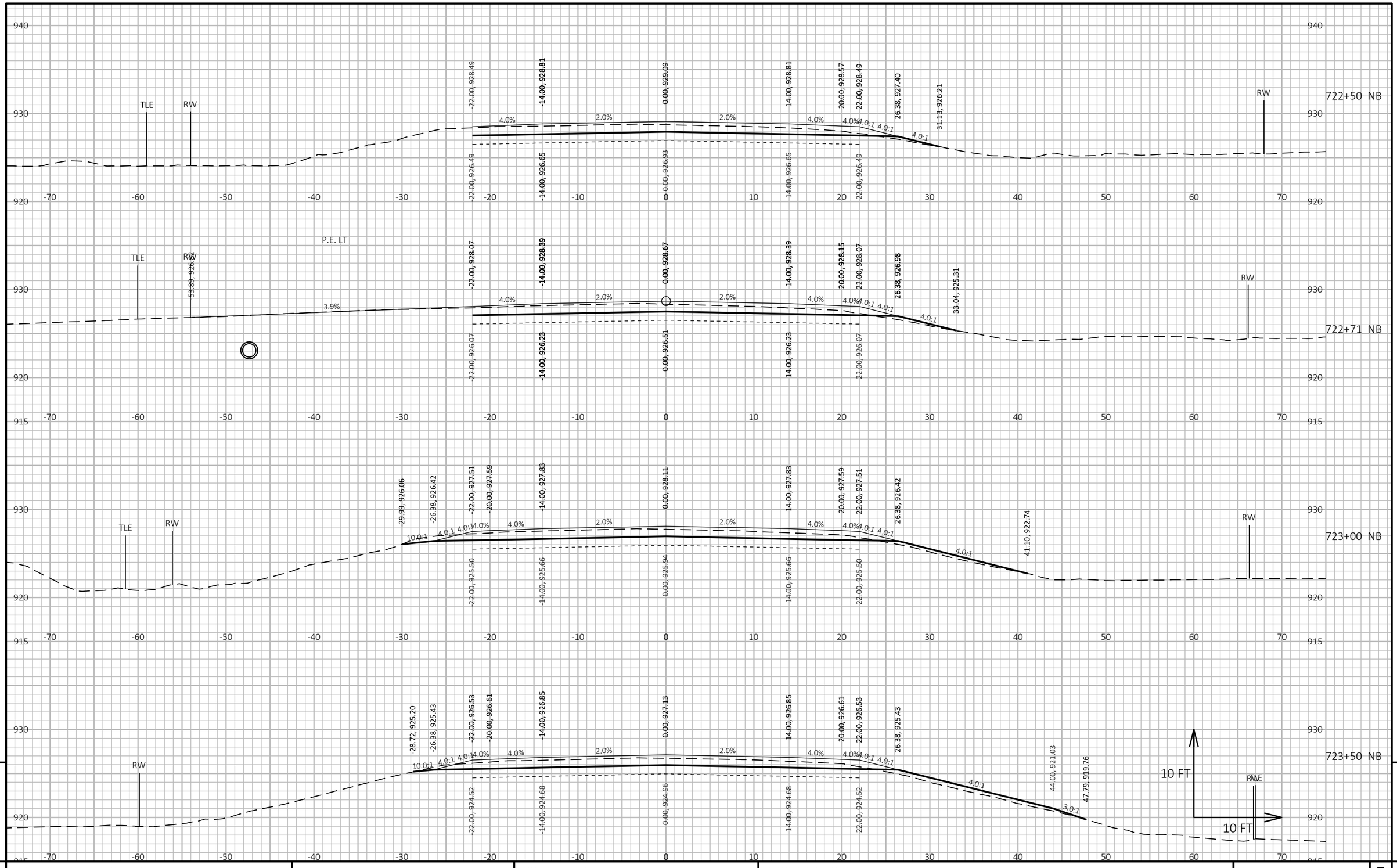
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FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201-XS-NB.DWG
LAYOUT NAME - 090201-xs-nb-34

PLOT DATE : 4/24/2026 9:18 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

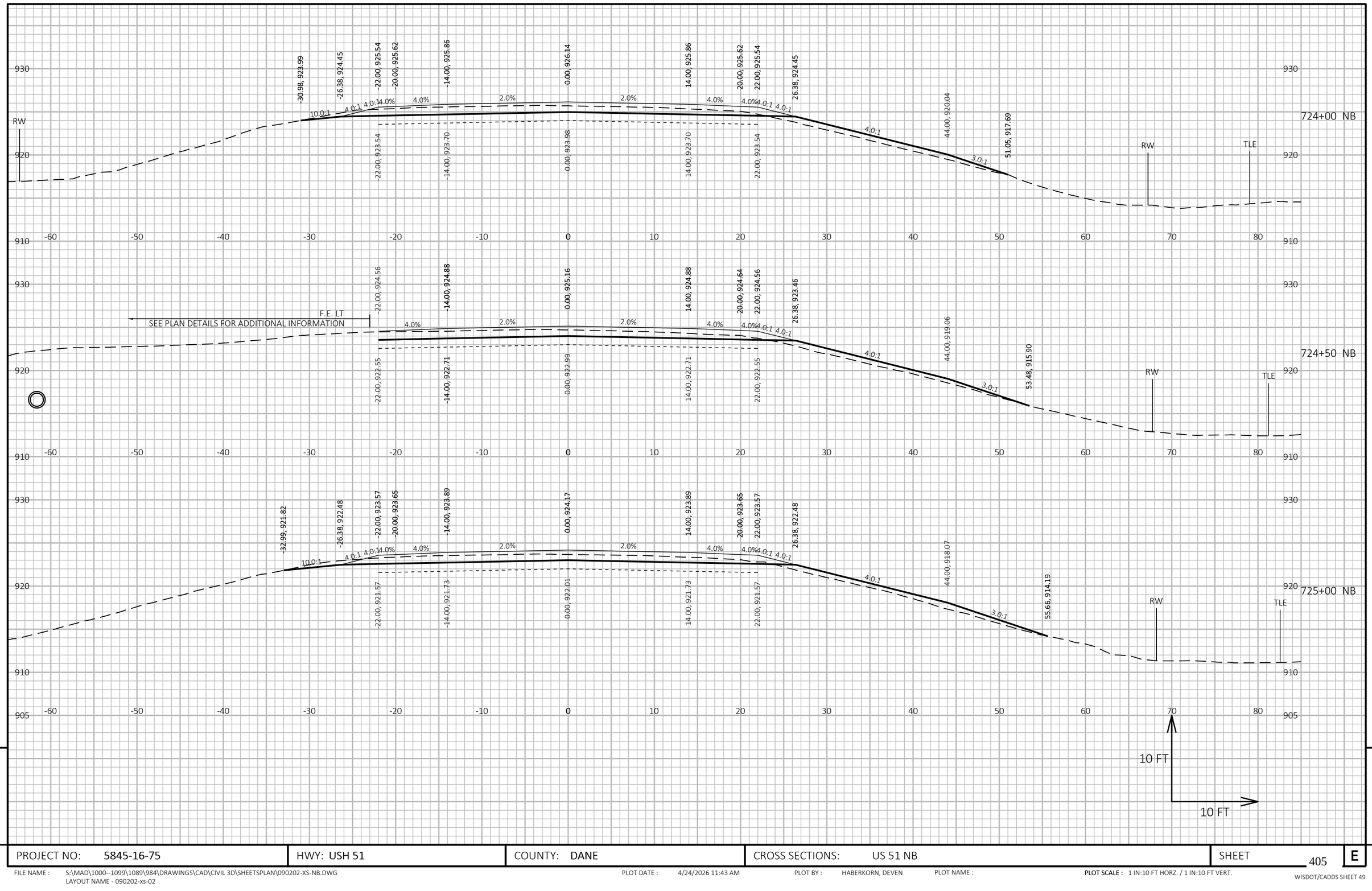
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 404	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-01

PLOT DATE : 4/24/2026 11:43 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

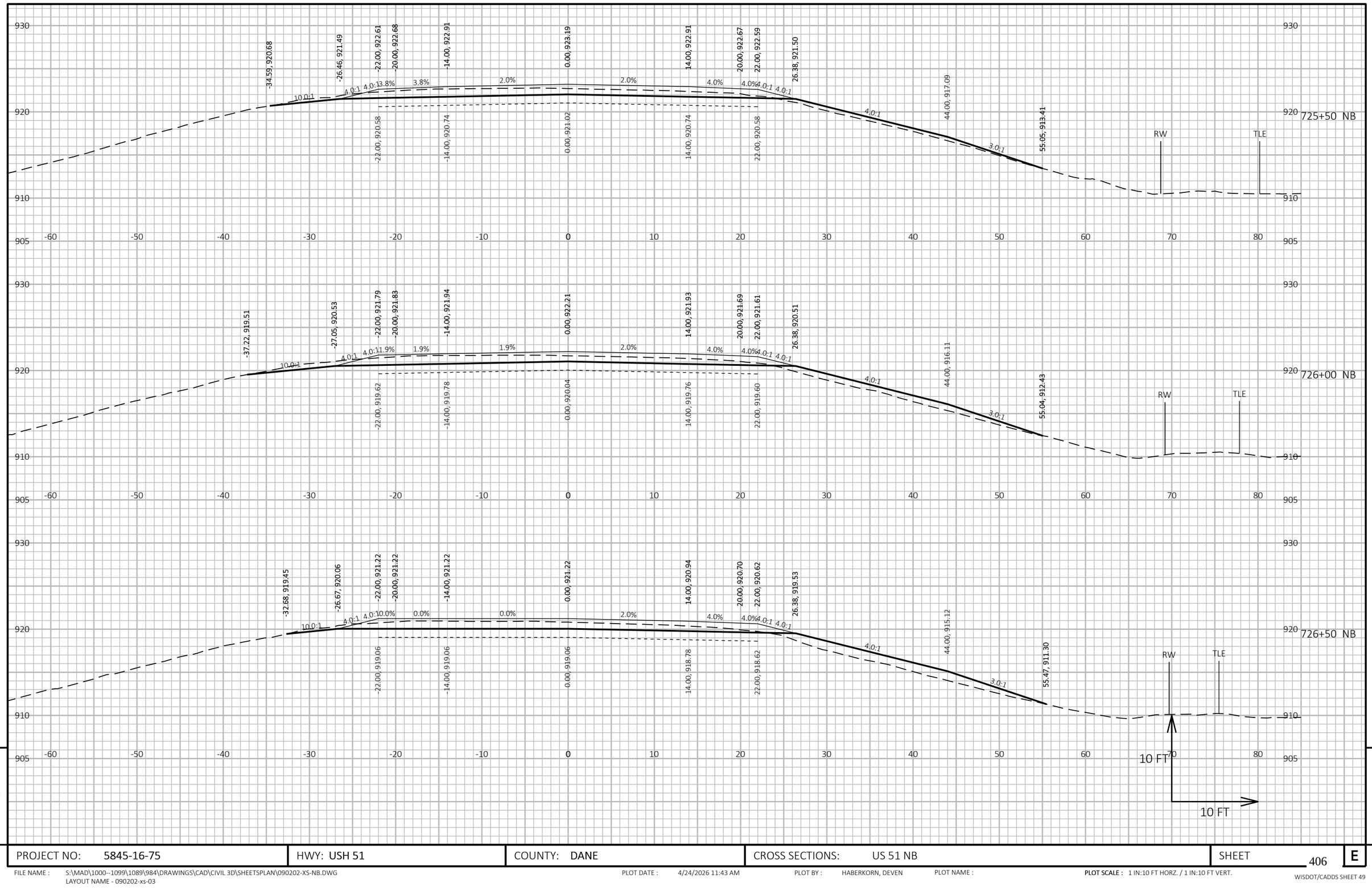


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 405	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-02

PLOT DATE : 4/24/2026 11:43 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

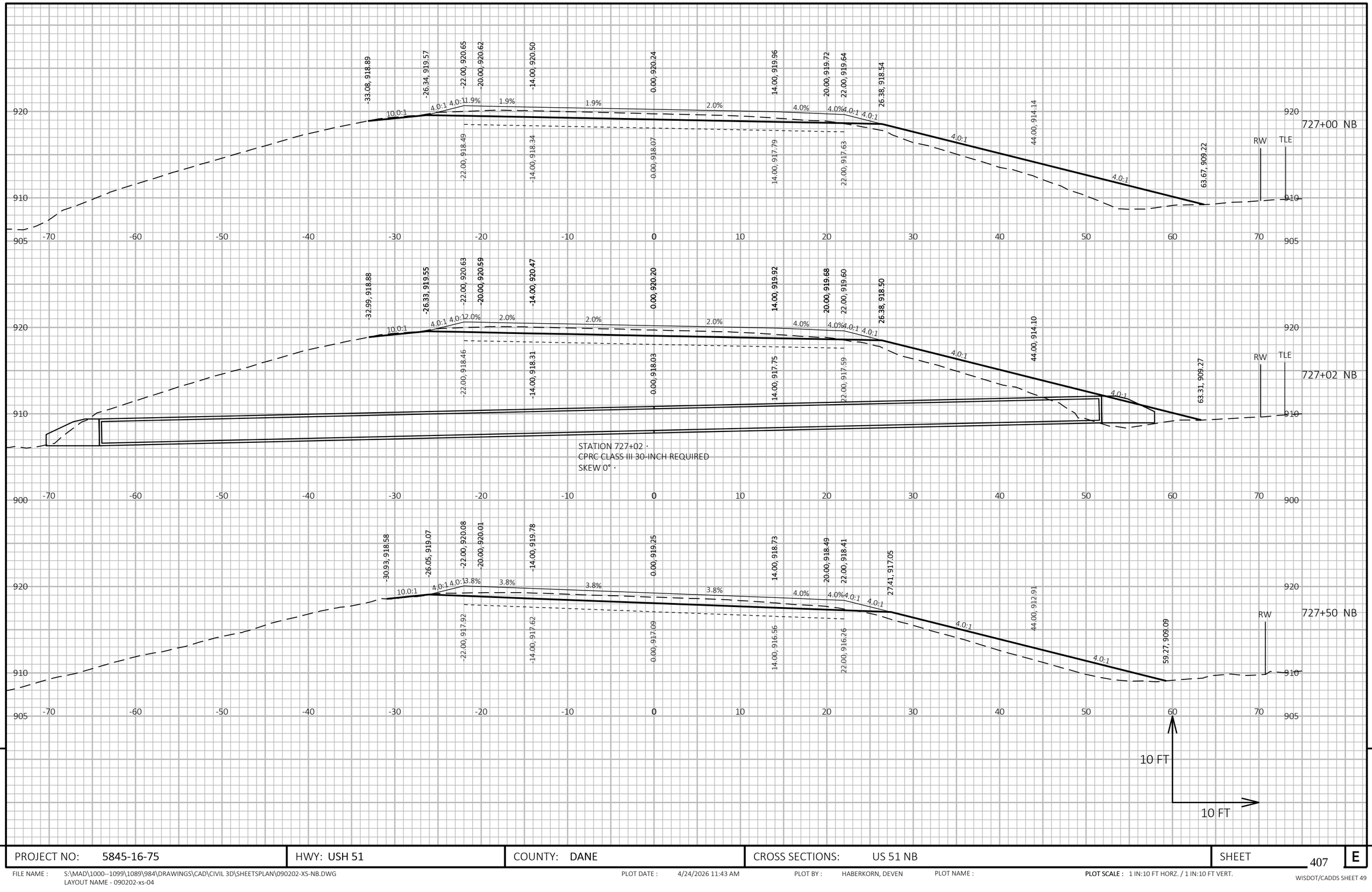


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 406	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-03

PLOT DATE : 4/24/2026 11:43 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

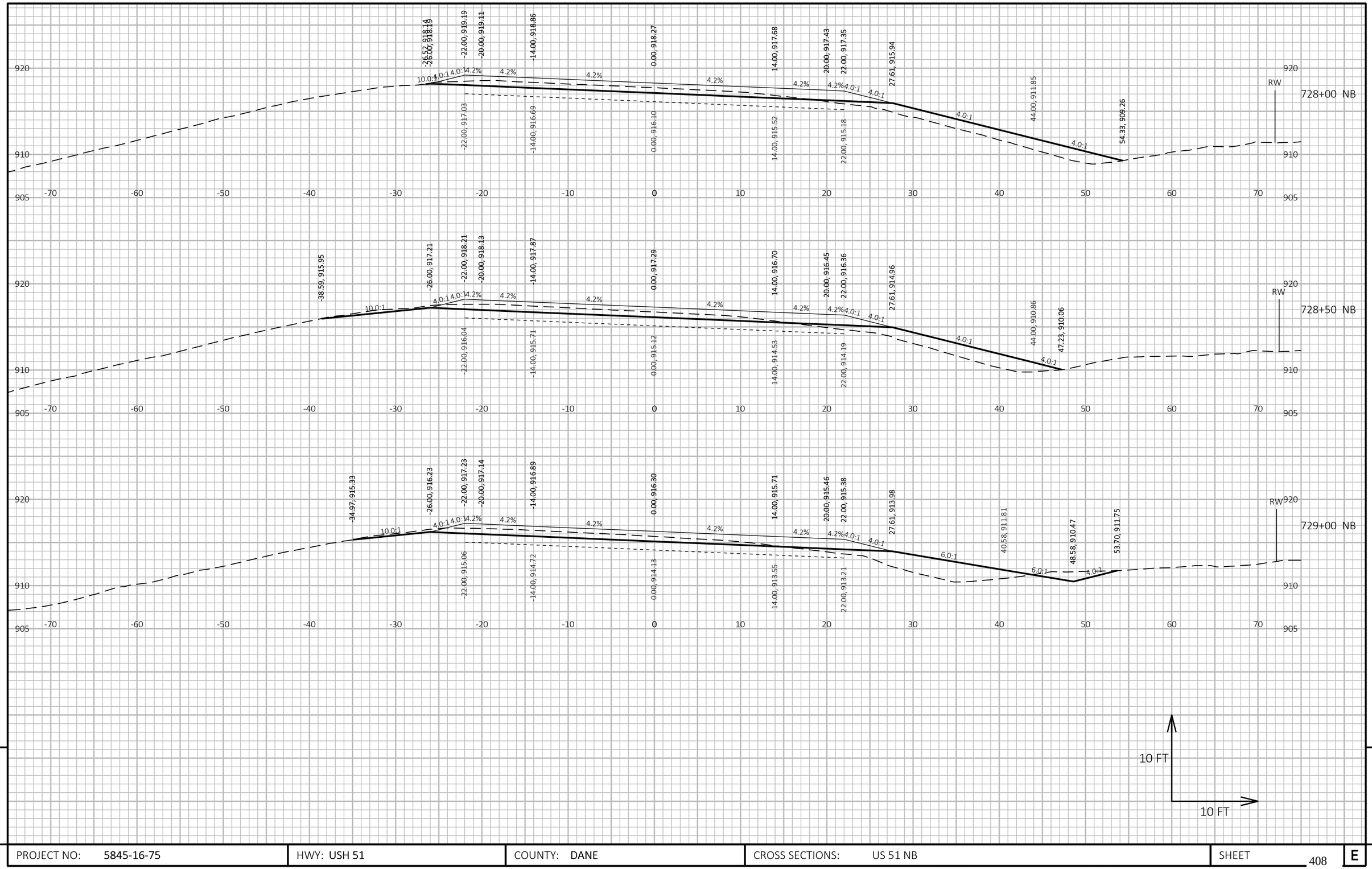


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 407	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-04

PLOT DATE : 4/24/2026 11:43 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

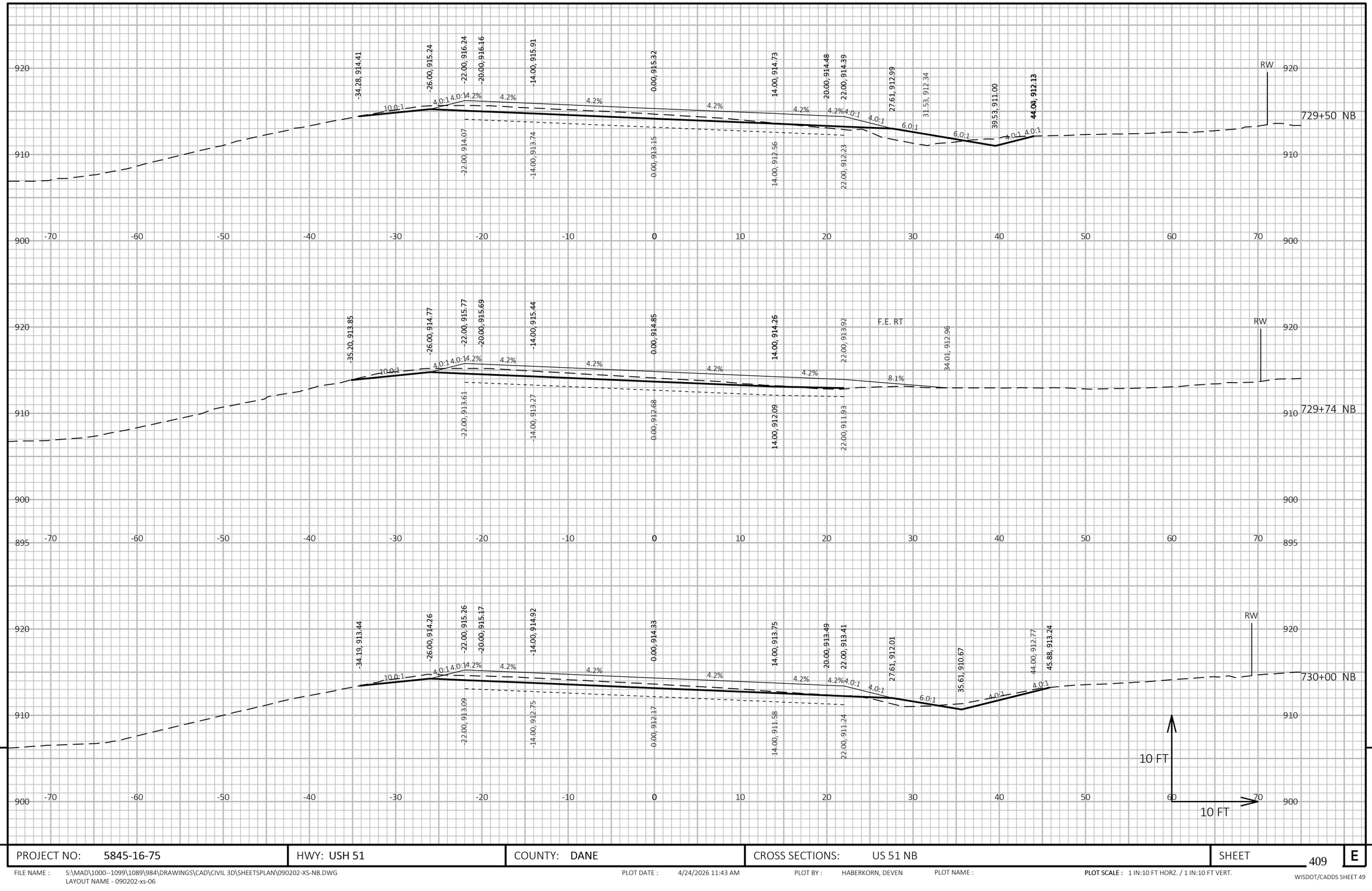


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 408	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-05

PLOT DATE : 4/24/2026 11:43 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



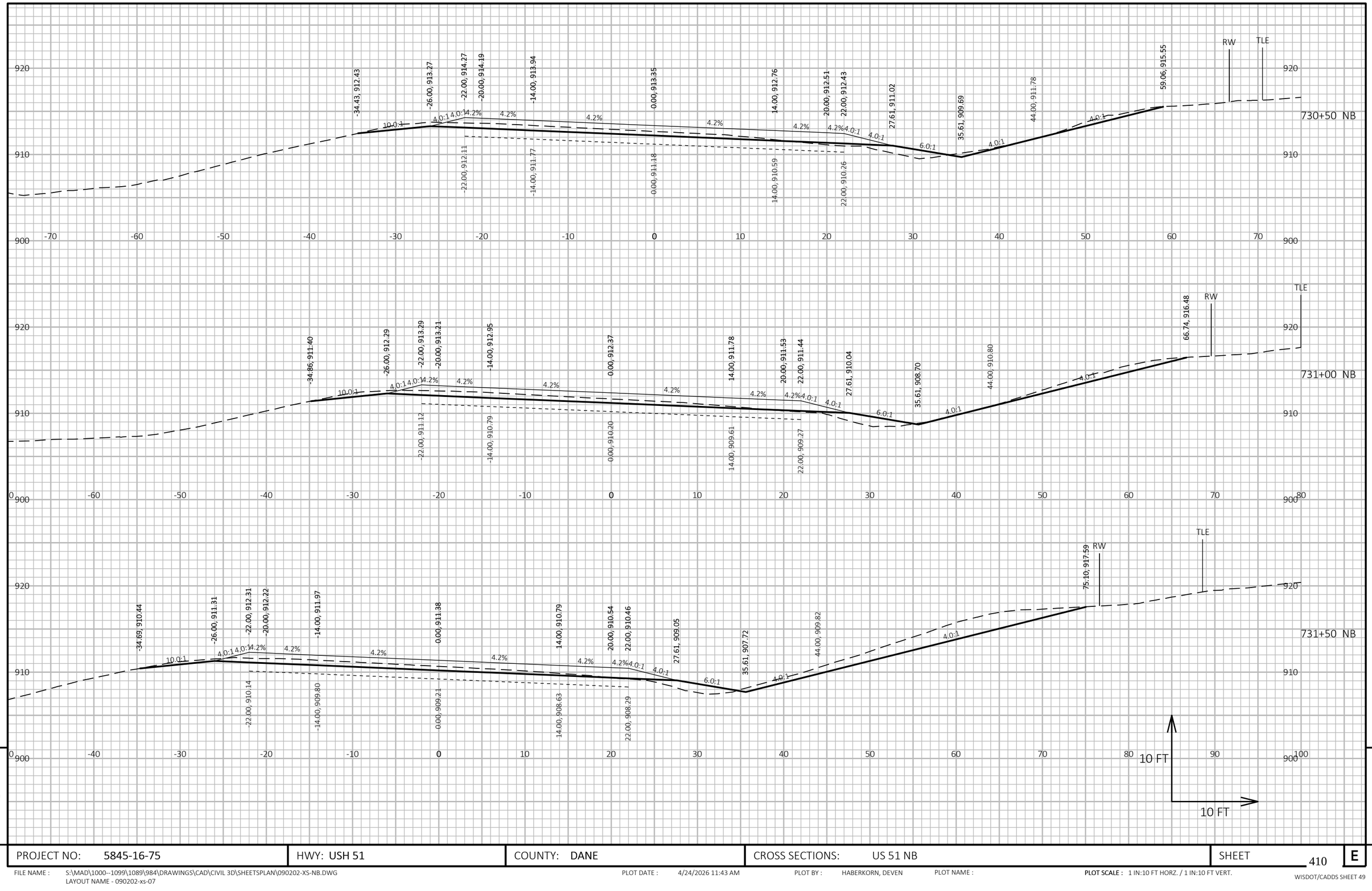
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 409	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-06

PLOT DATE : 4/24/2026 11:43 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

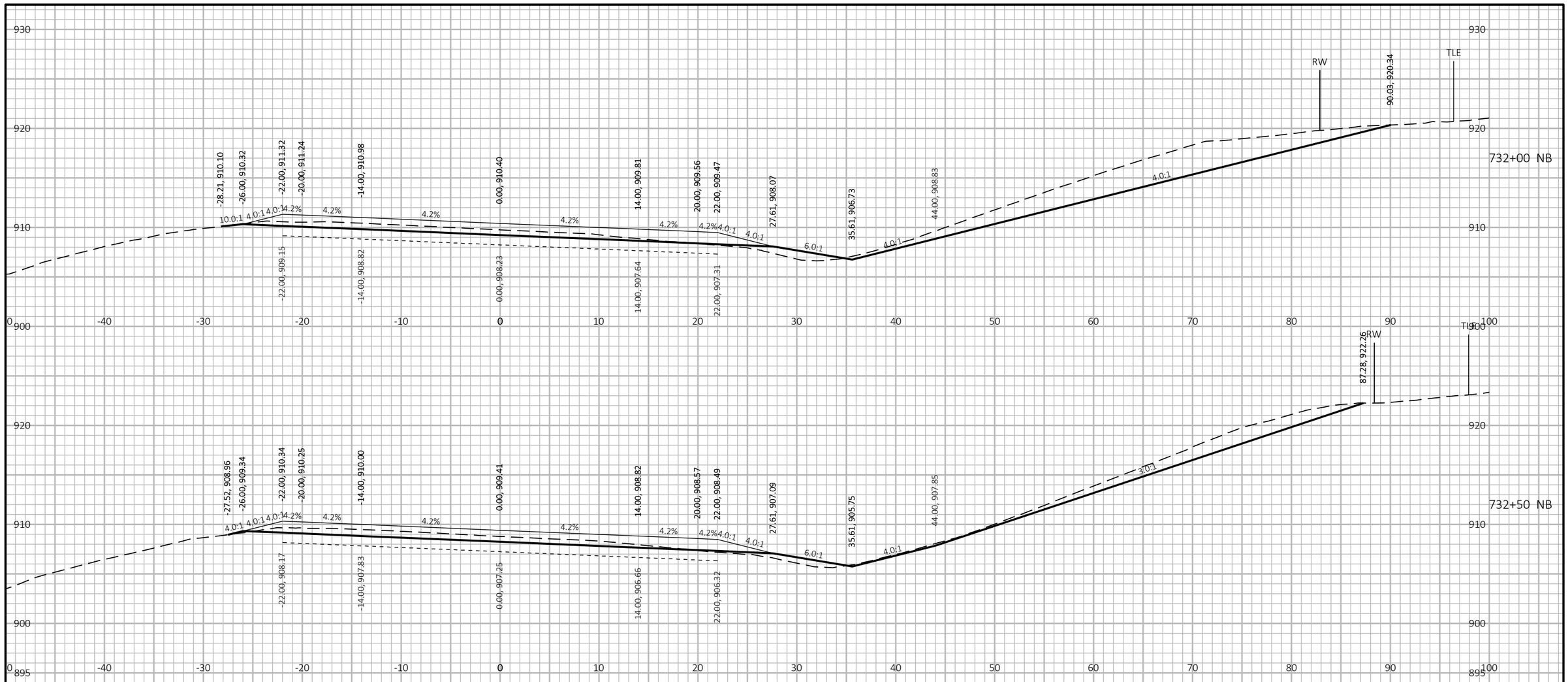


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 410	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-07

PLOT DATE : 4/24/2026 11:43 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

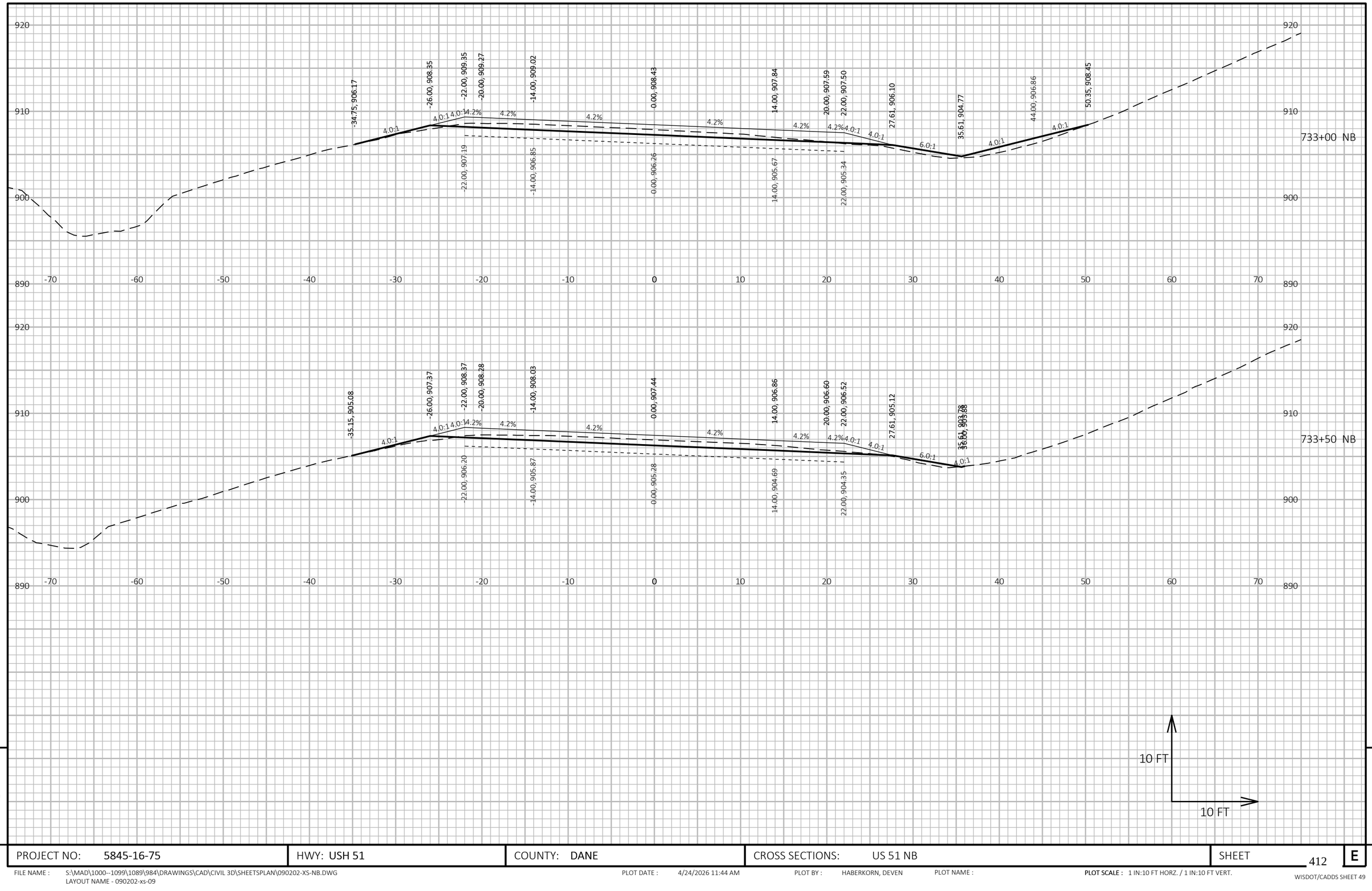


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 411	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-08

PLOT DATE : 4/24/2026 11:44 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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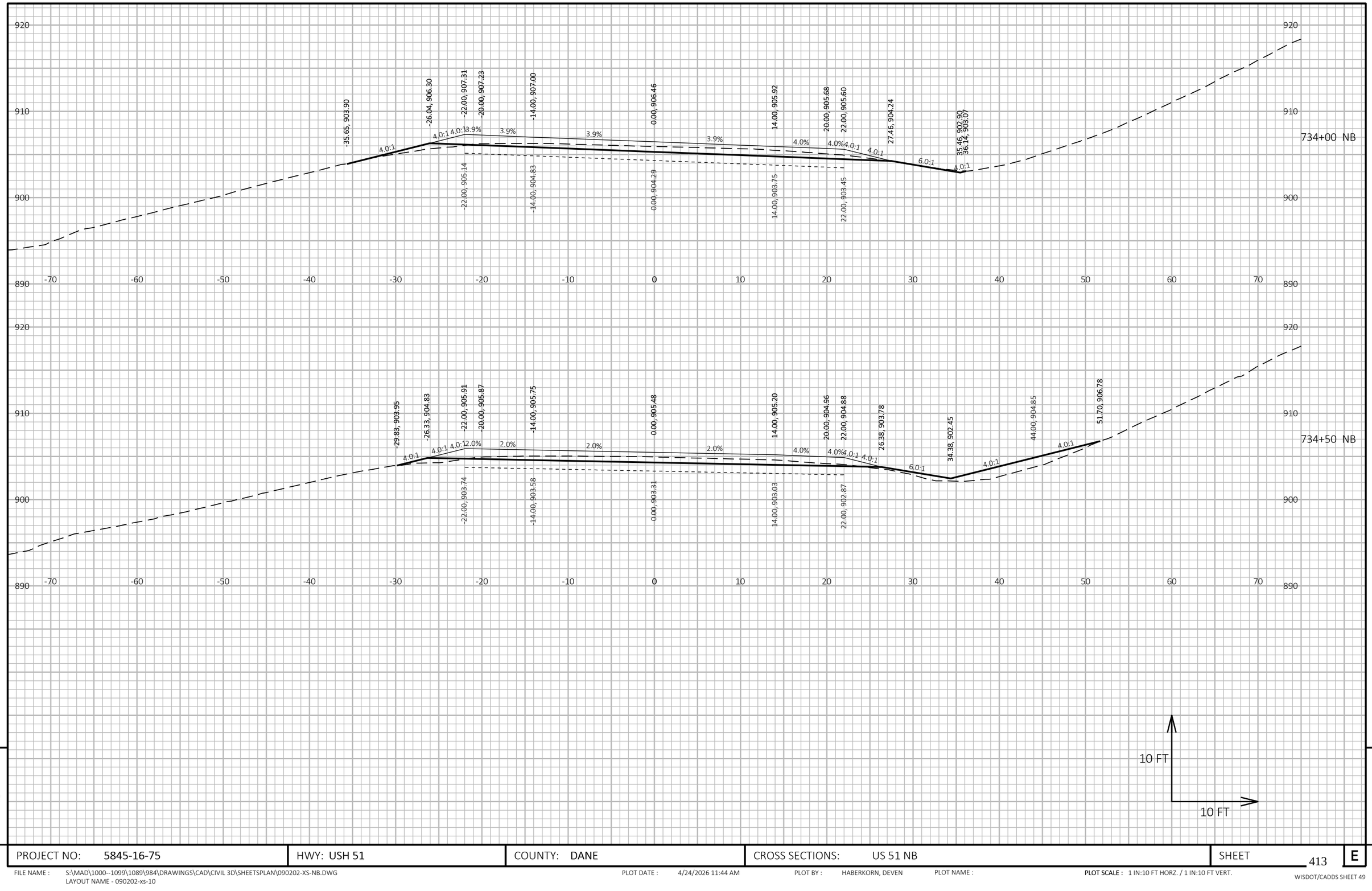
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 412	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-09

PLOT DATE : 4/24/2026 11:44 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



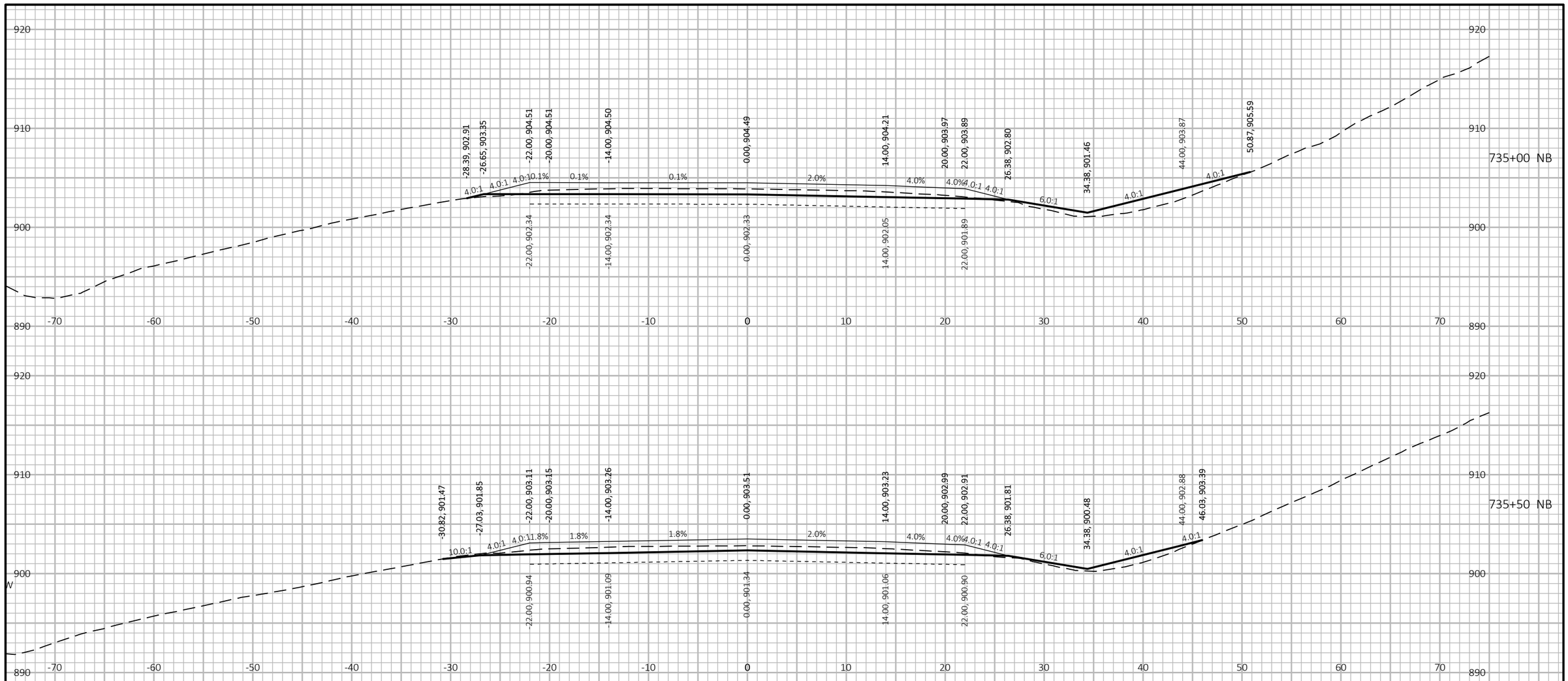
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 413	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-10

PLOT DATE : 4/24/2026 11:44 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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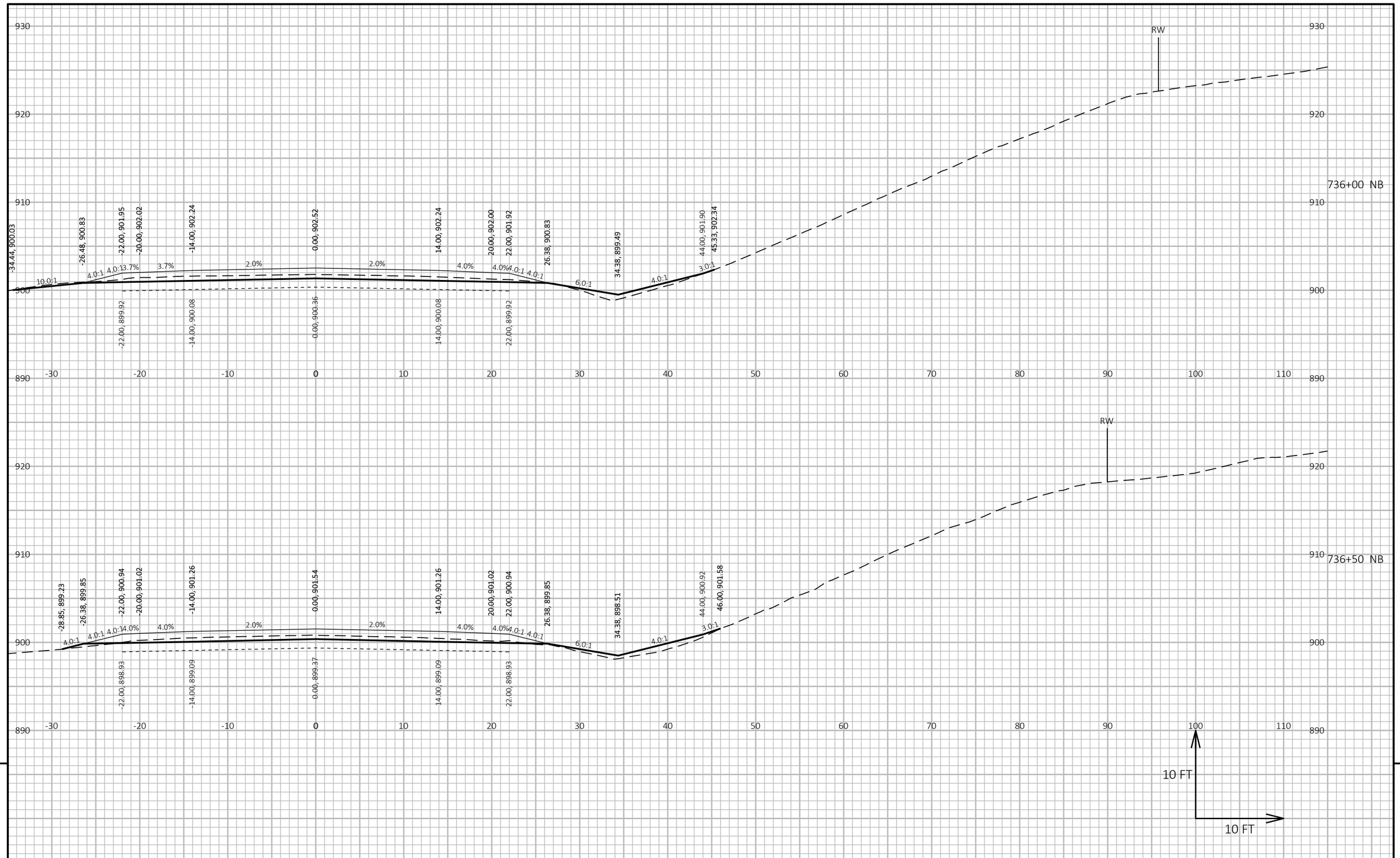
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 414	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-11

PLOT DATE : 4/24/2026 11:44 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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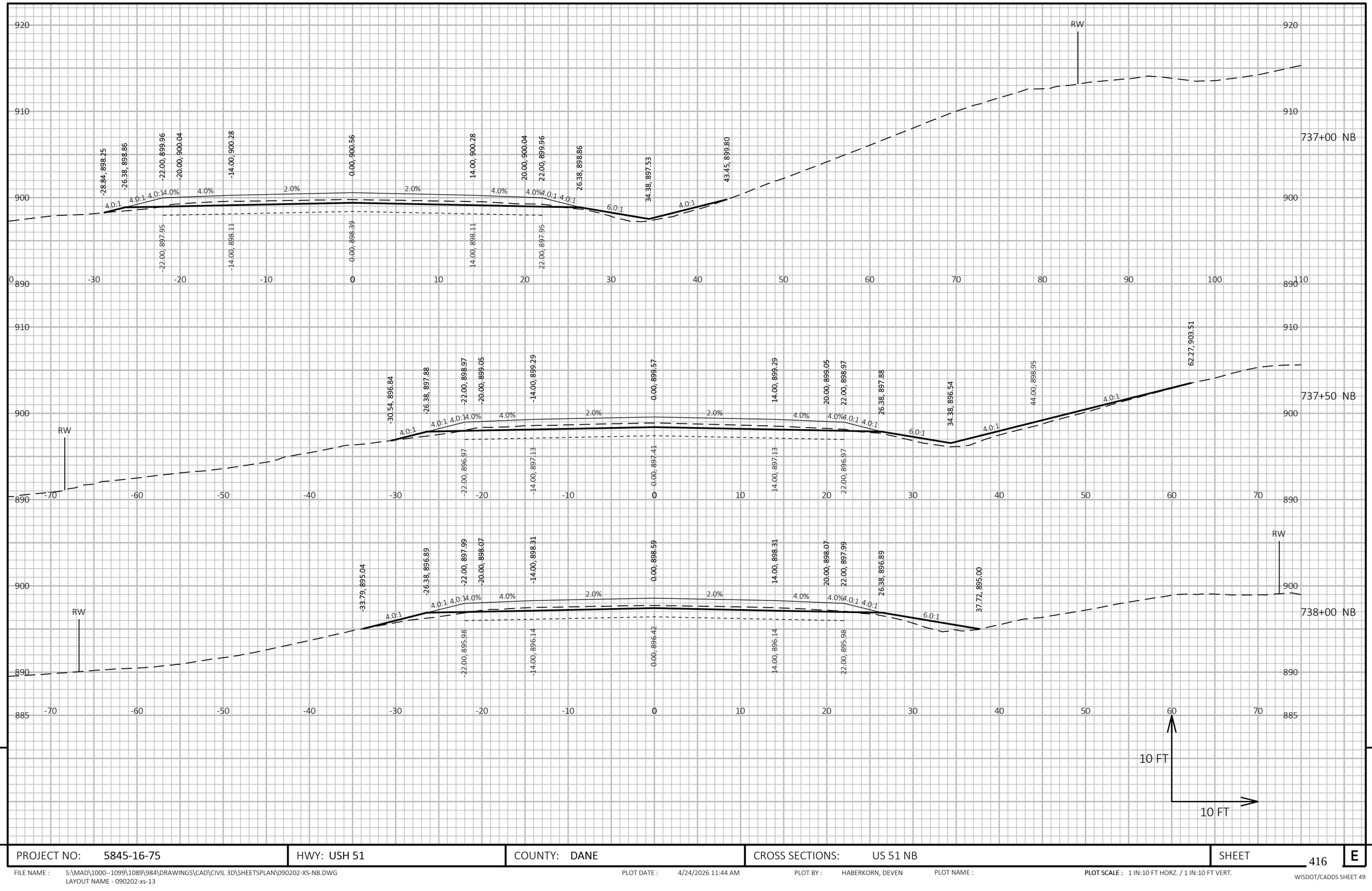
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 415	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-12

PLOT DATE : 4/24/2026 11:44 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



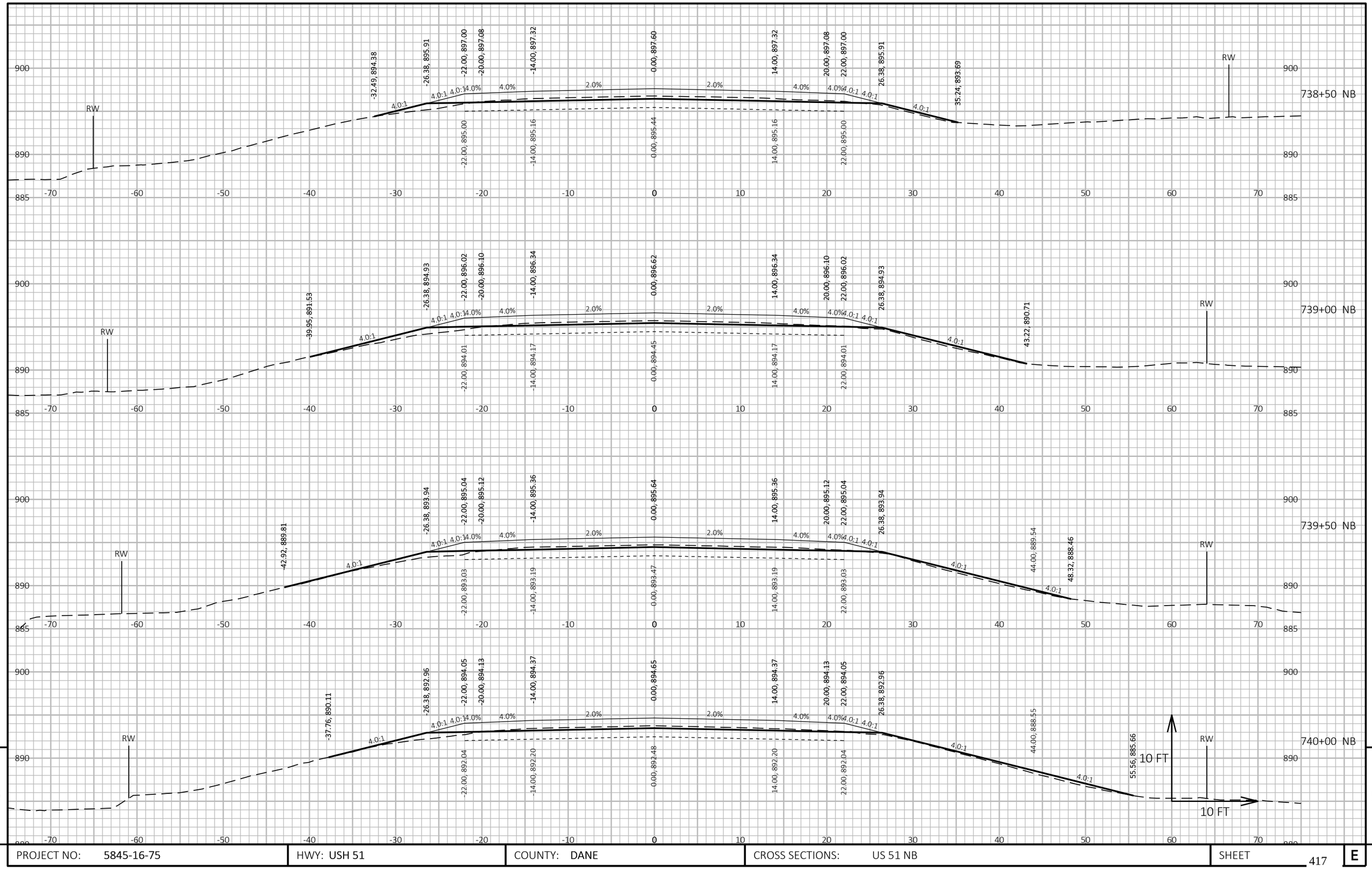
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 416	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-13

PLOT DATE : 4/24/2026 11:44 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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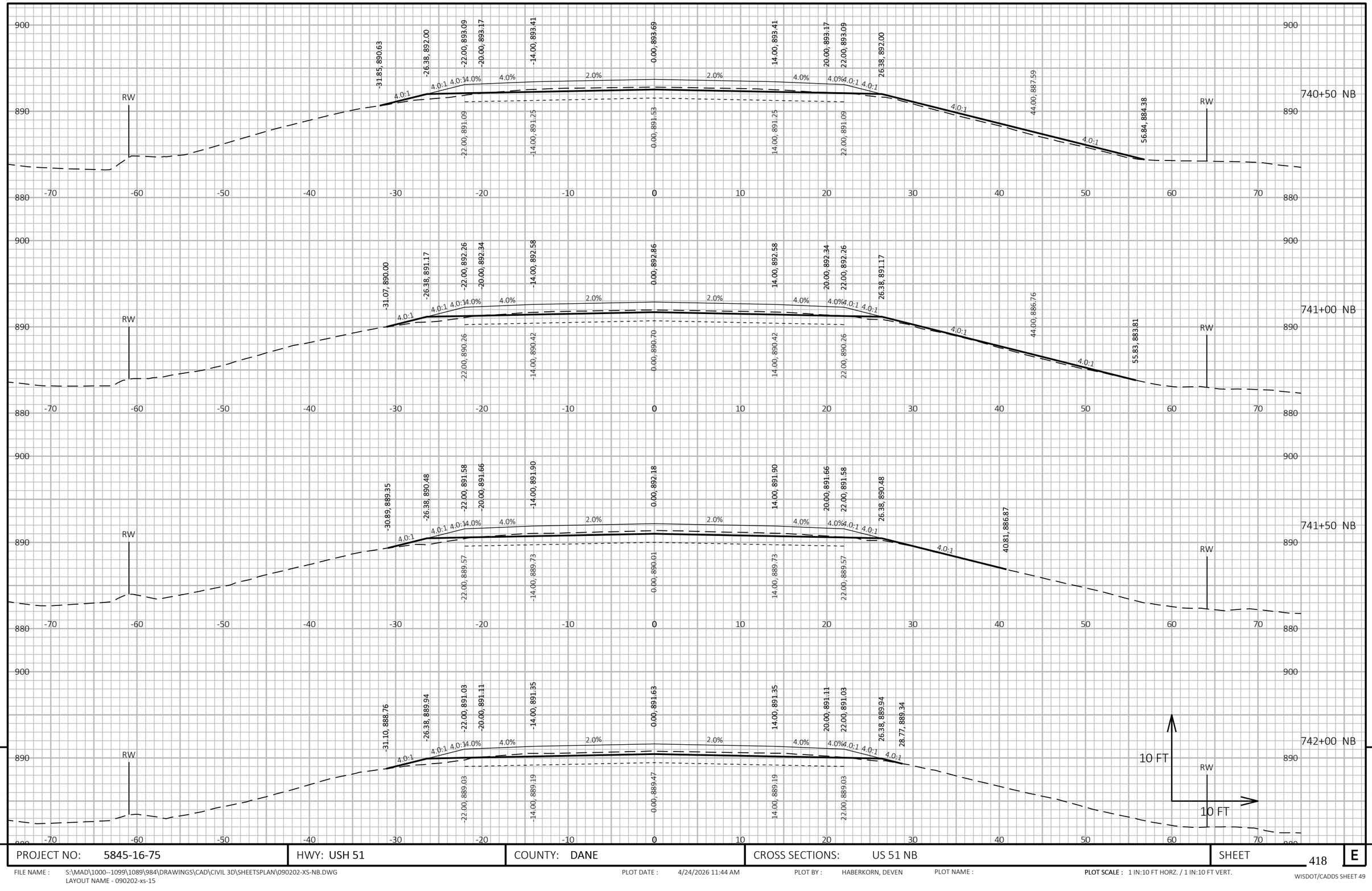
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 417	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-14

PLOT DATE : 4/24/2026 11:44 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

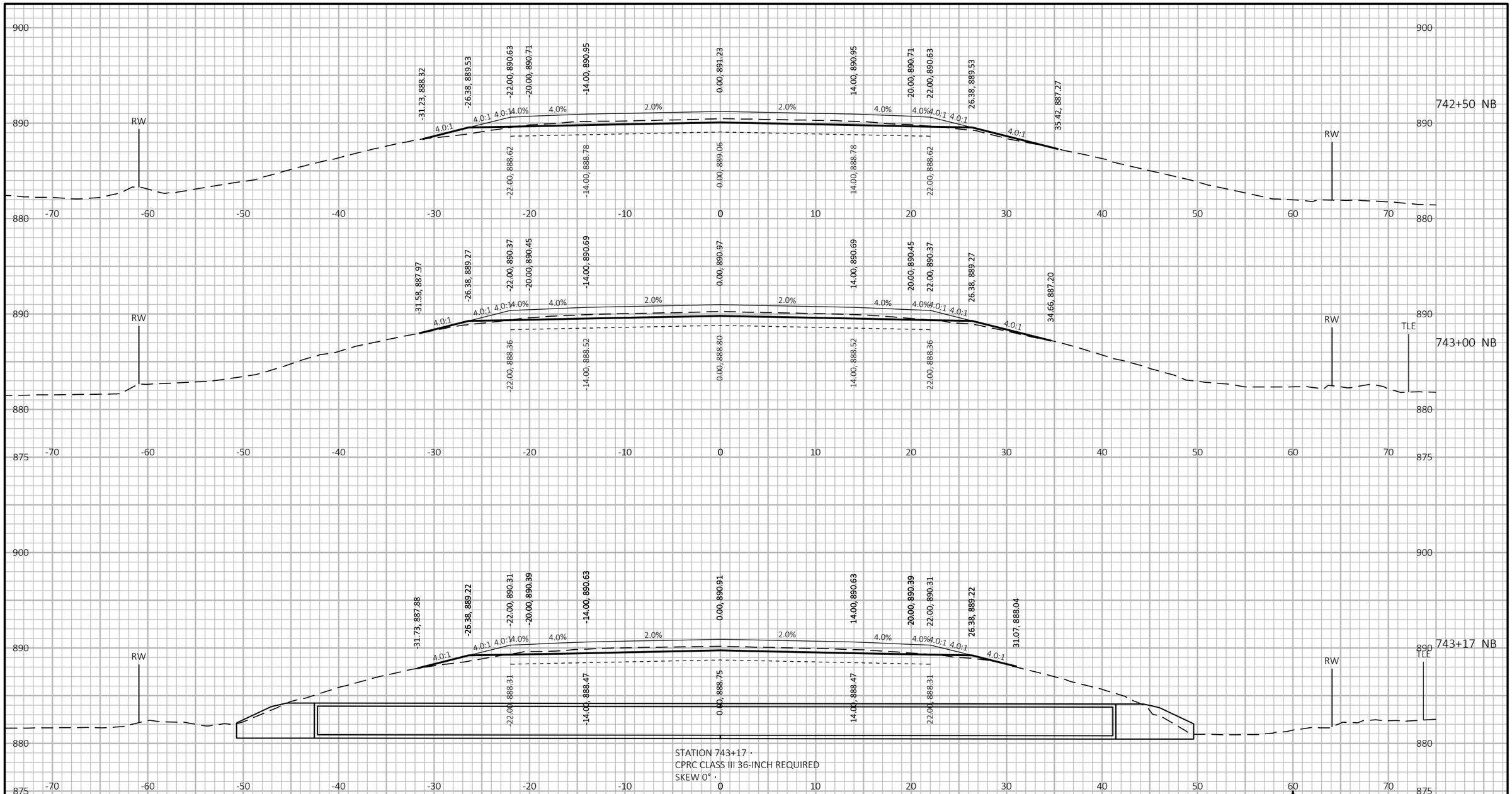
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 418	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-15

PLOT DATE : 4/24/2026 11:44 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

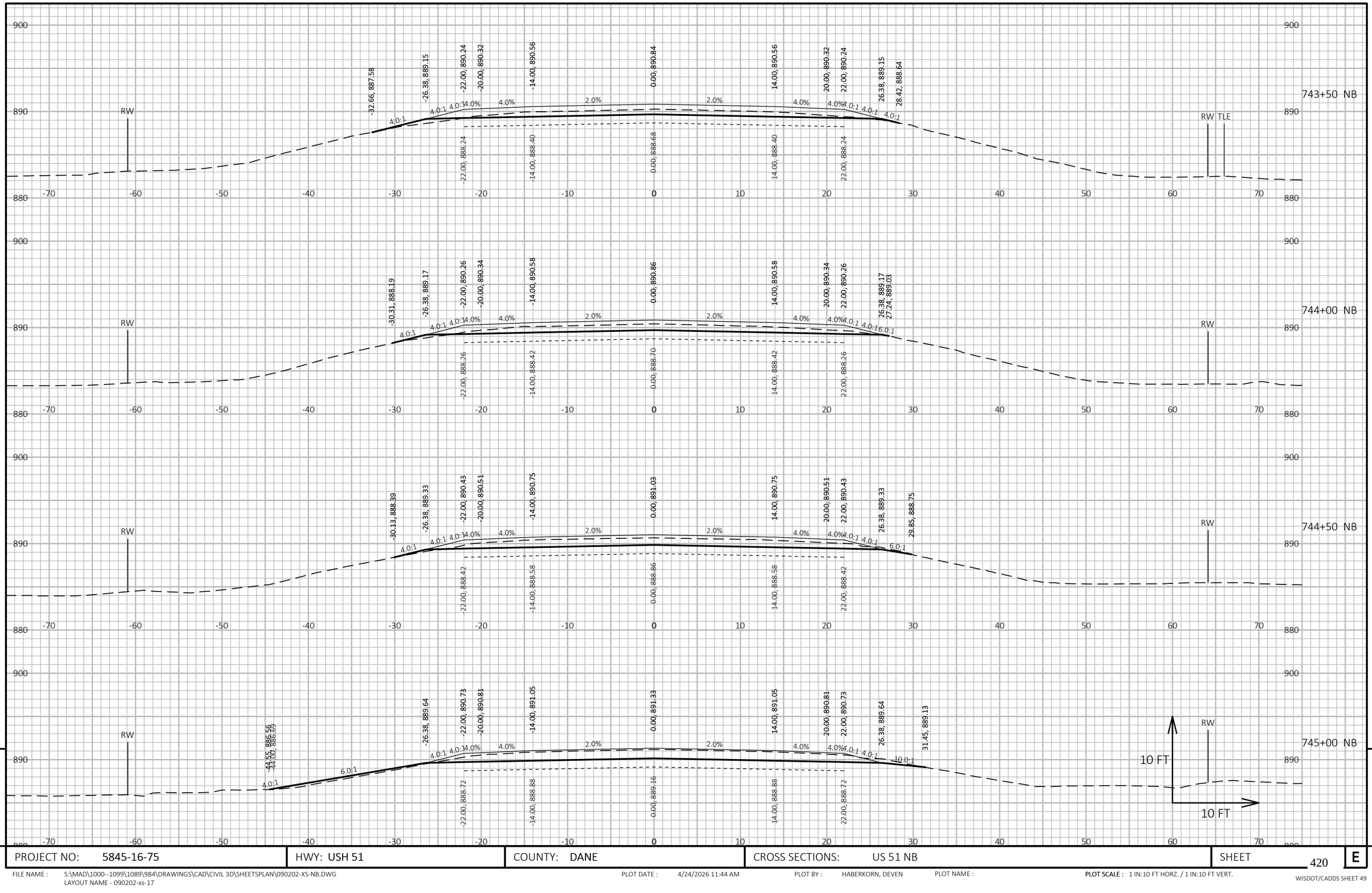


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 419	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-16

PLOT DATE : 4/24/2026 11:44 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 420 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-17

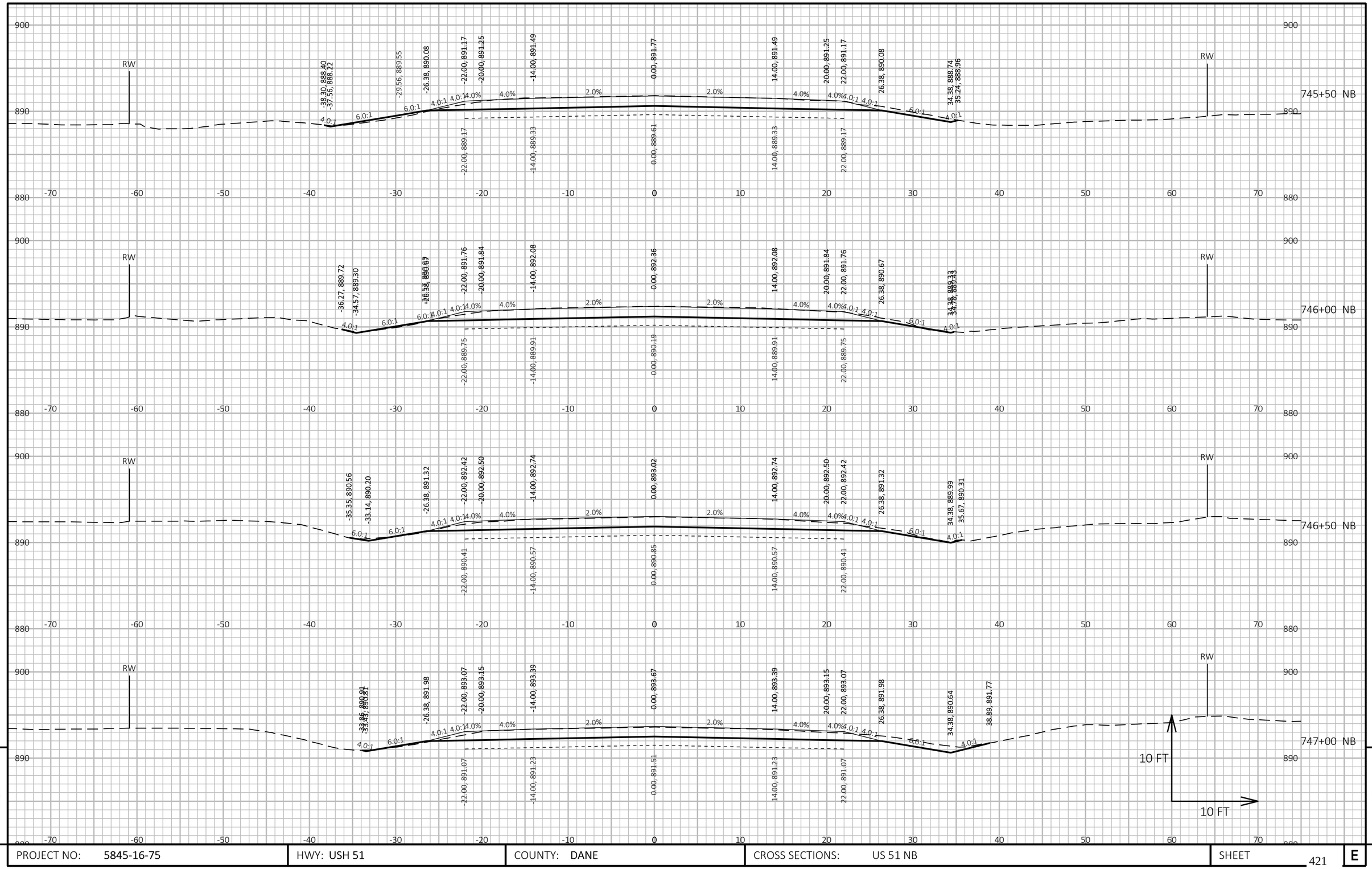
PLOT DATE : 4/24/2026 11:44 AM

PLOT BY : HABERKORN, DEVEN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

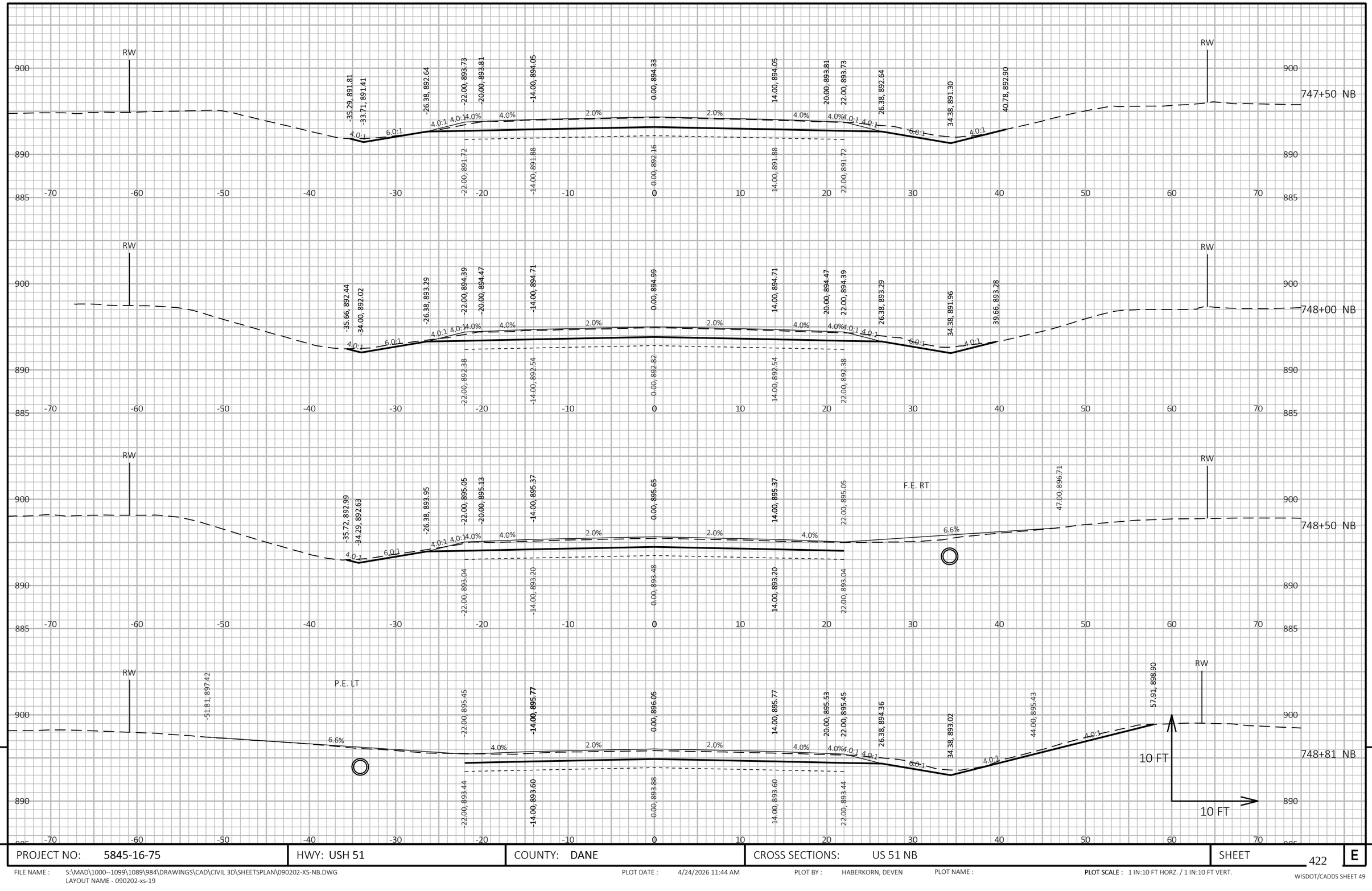


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 421 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-18

PLOT DATE : 4/24/2026 11:44 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



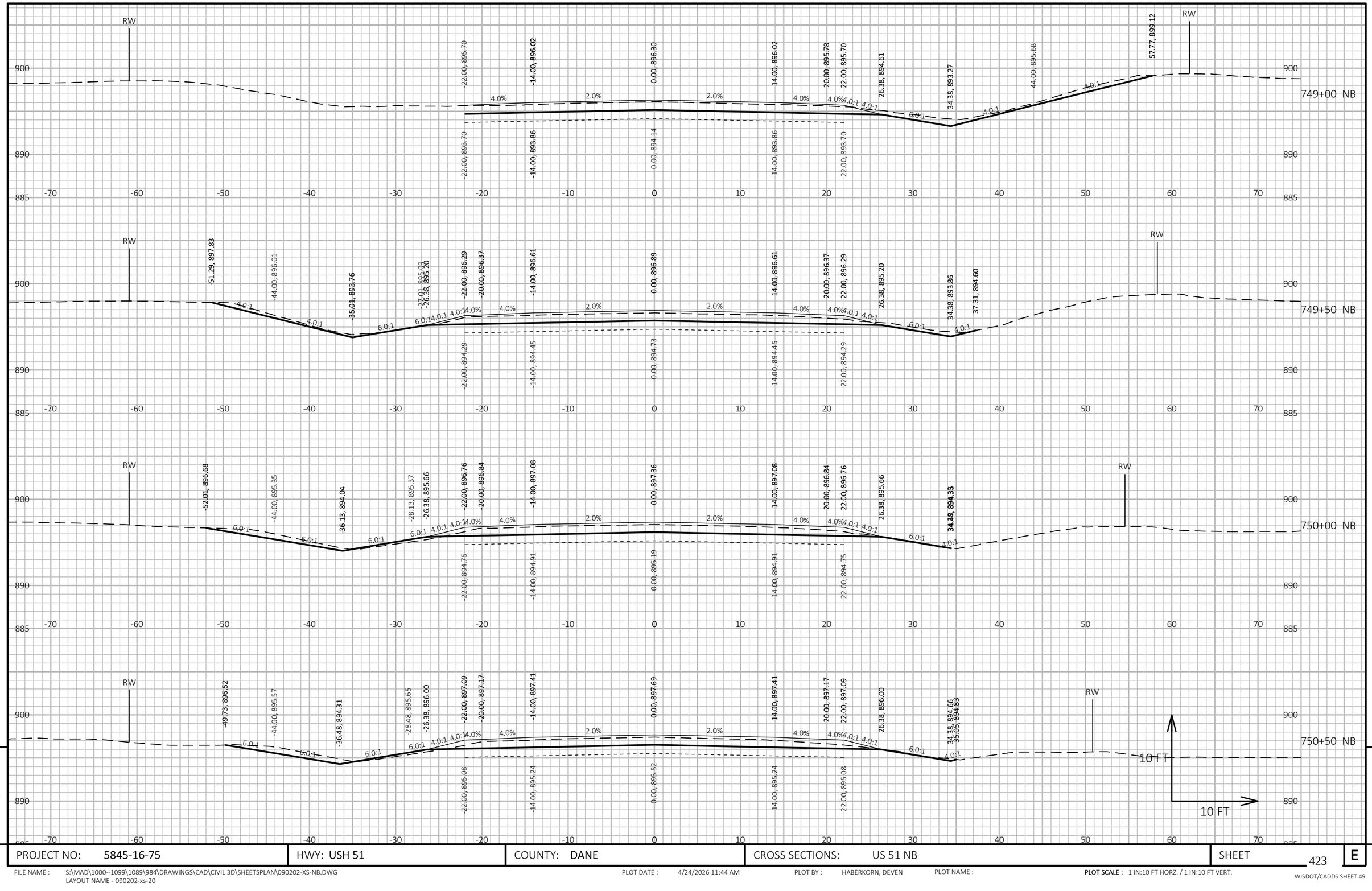
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 422	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-19

PLOT DATE : 4/24/2026 11:44 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

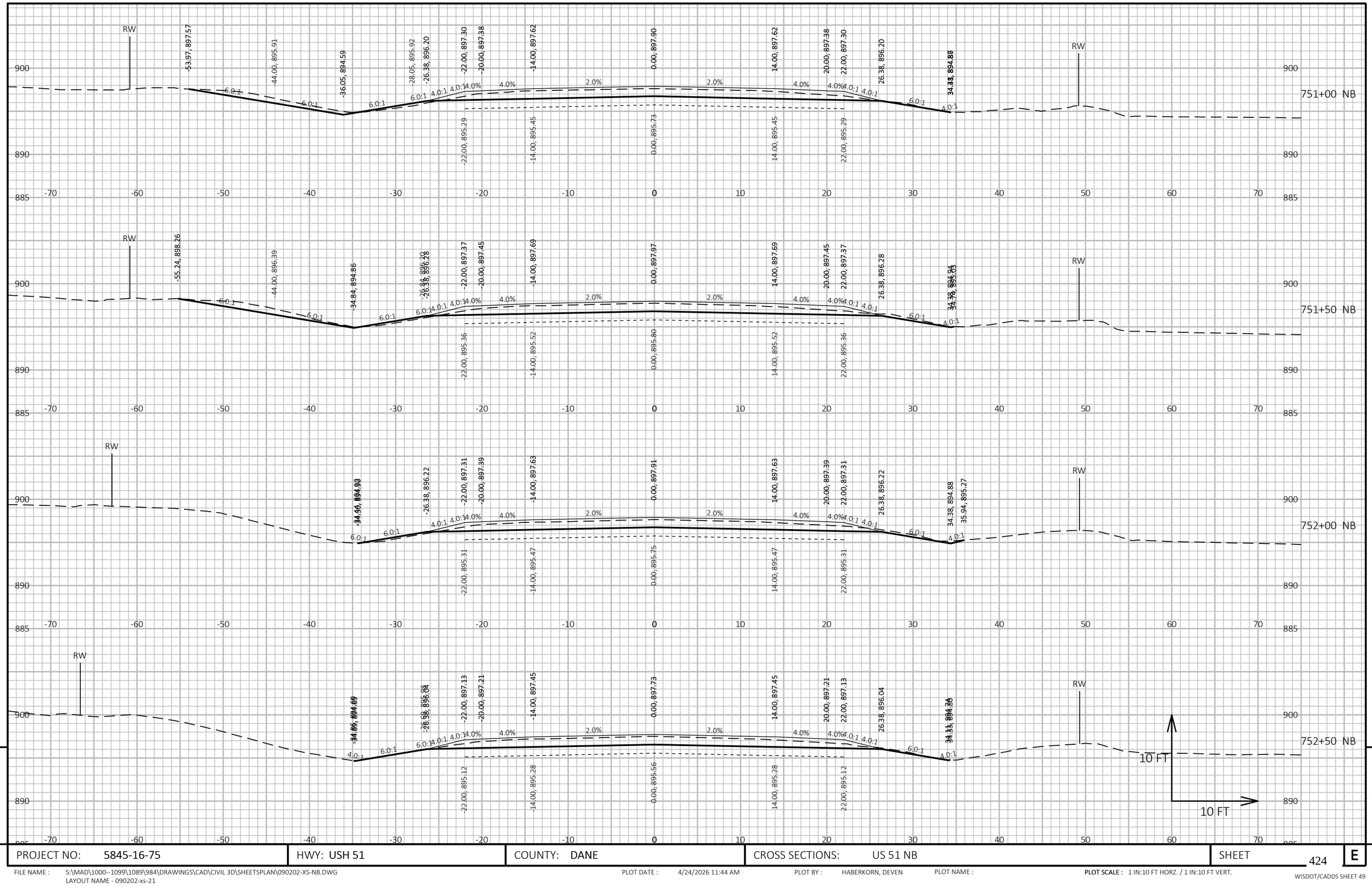


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 423 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-20

PLOT DATE : 4/24/2026 11:44 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

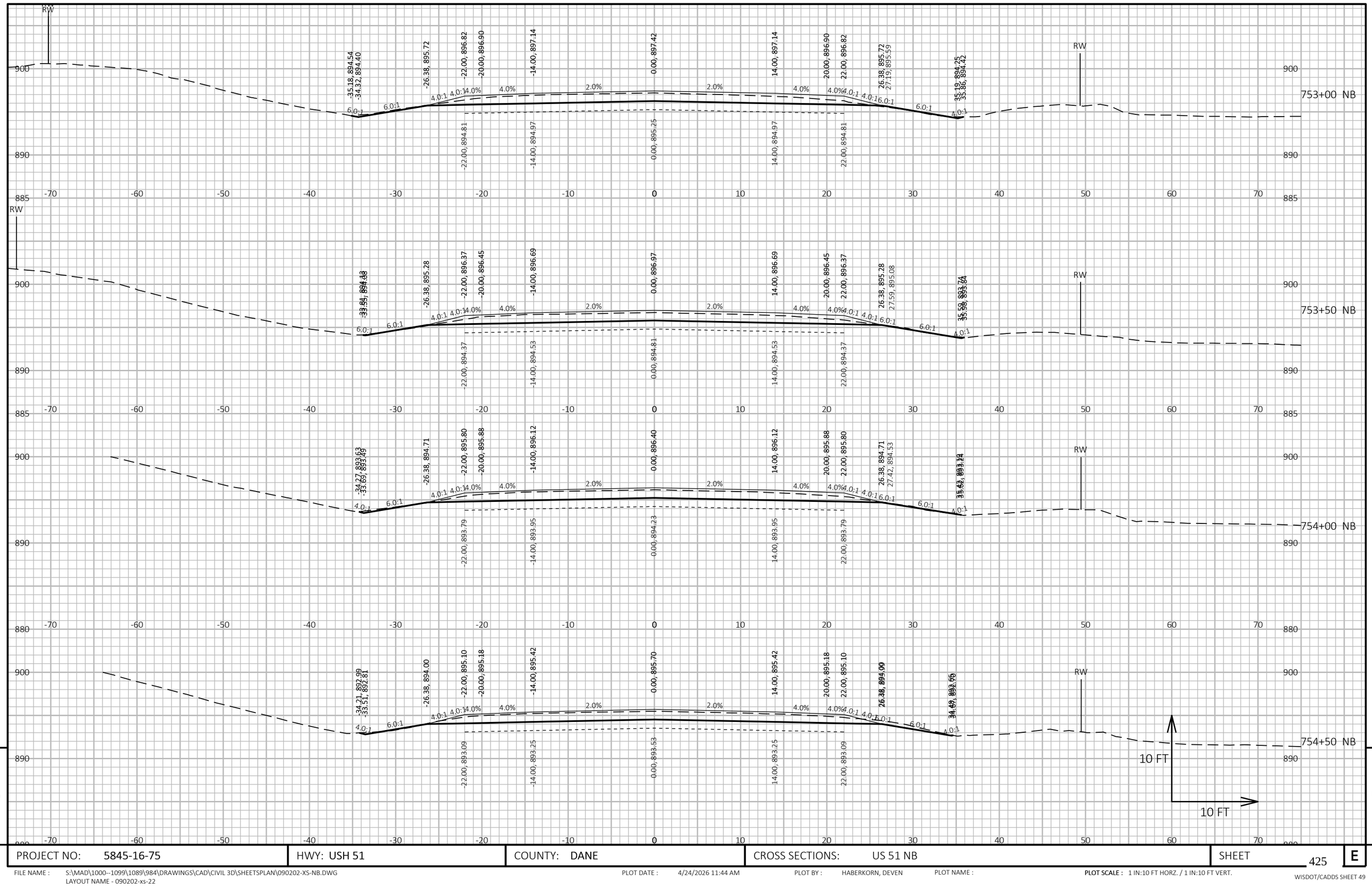


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 424	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-21

PLOT DATE : 4/24/2026 11:44 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



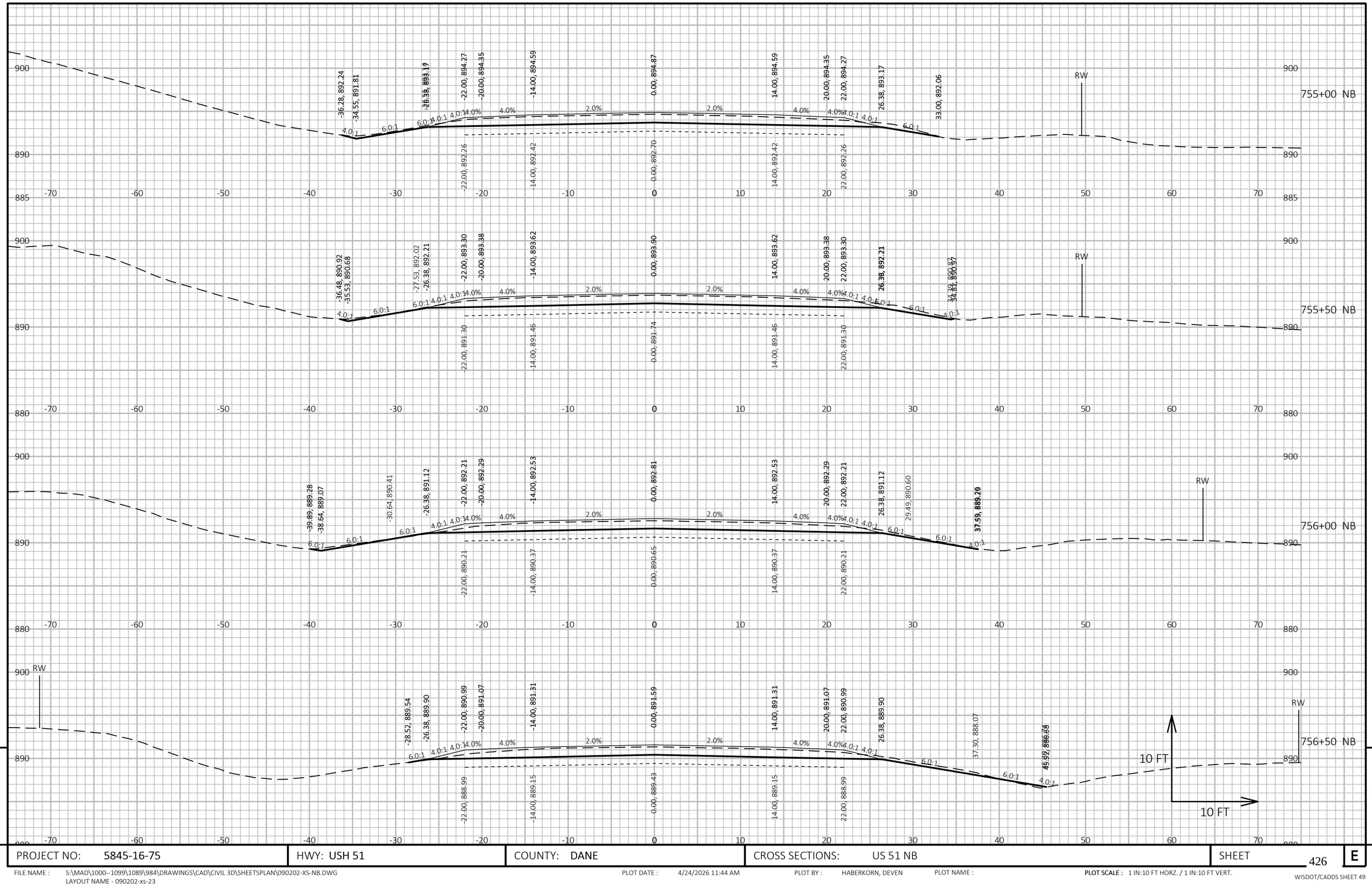
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 425	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-22

PLOT DATE : 4/24/2026 11:44 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

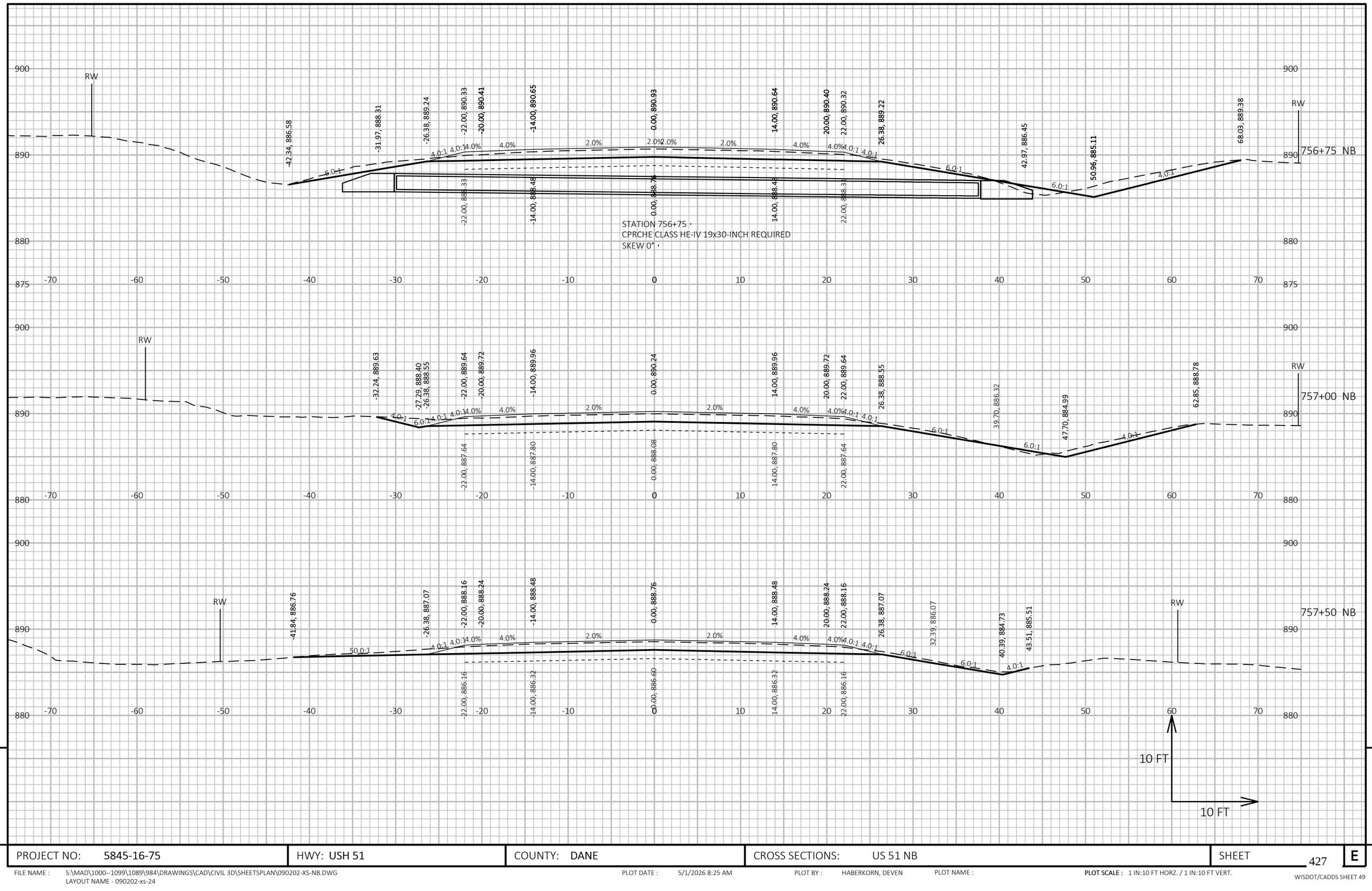
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 426	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-23

PLOT DATE : 4/24/2026 11:44 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

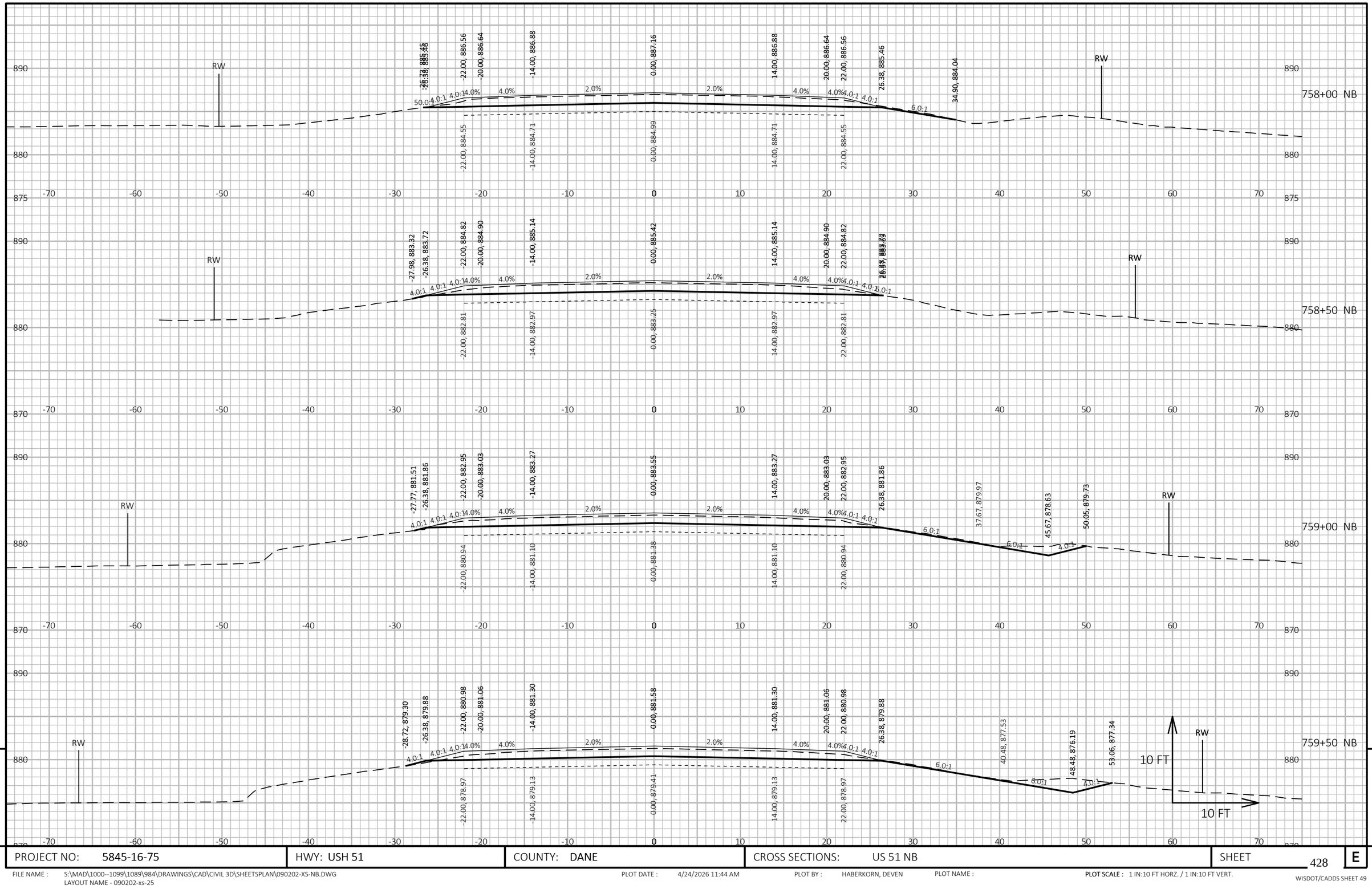


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 427	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-24

PLOT DATE : 5/1/2026 8:25 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

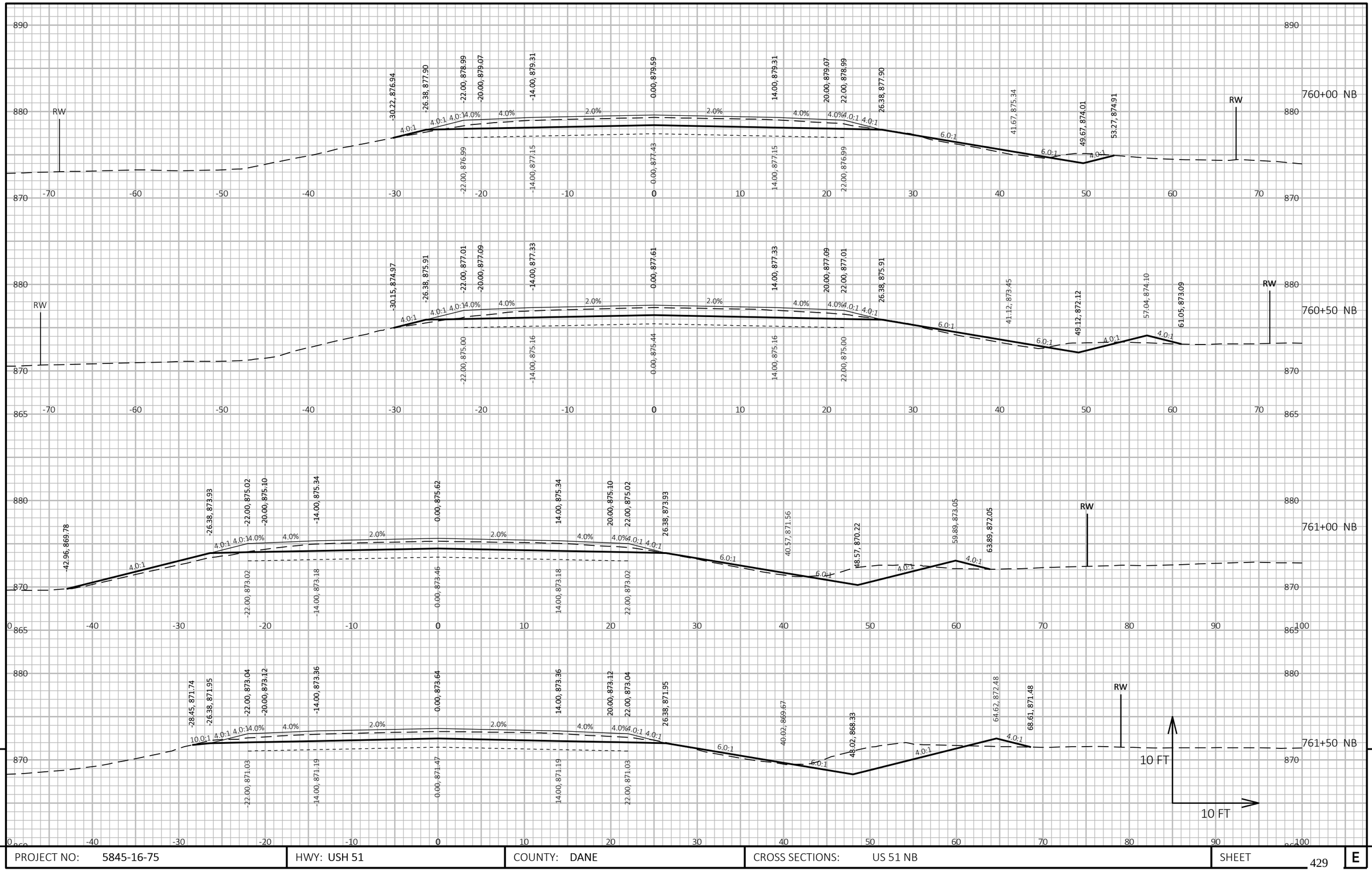
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 428	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-25

PLOT DATE : 4/24/2026 11:44 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

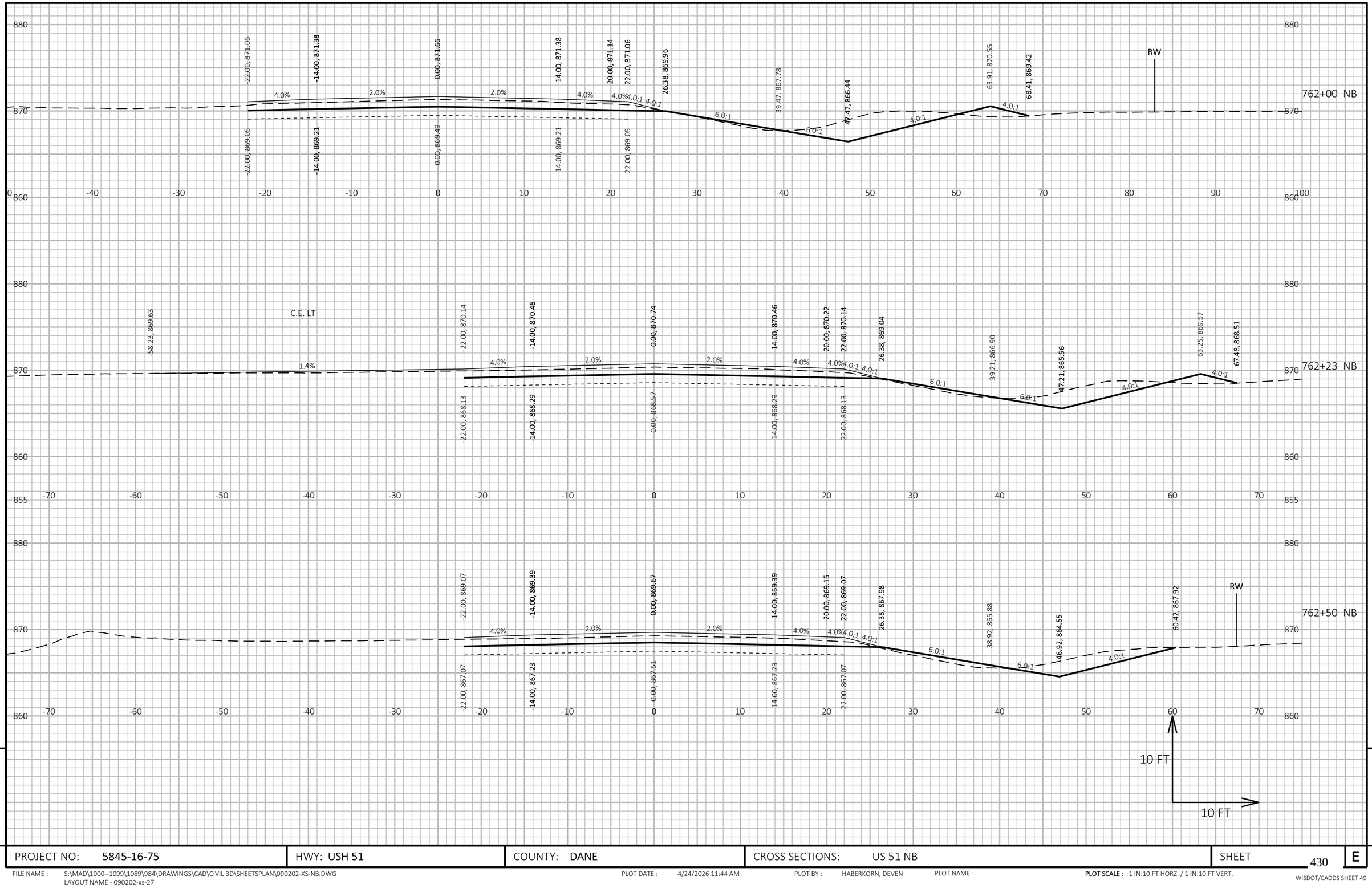
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 429	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-26

PLOT DATE : 4/24/2026 11:44 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

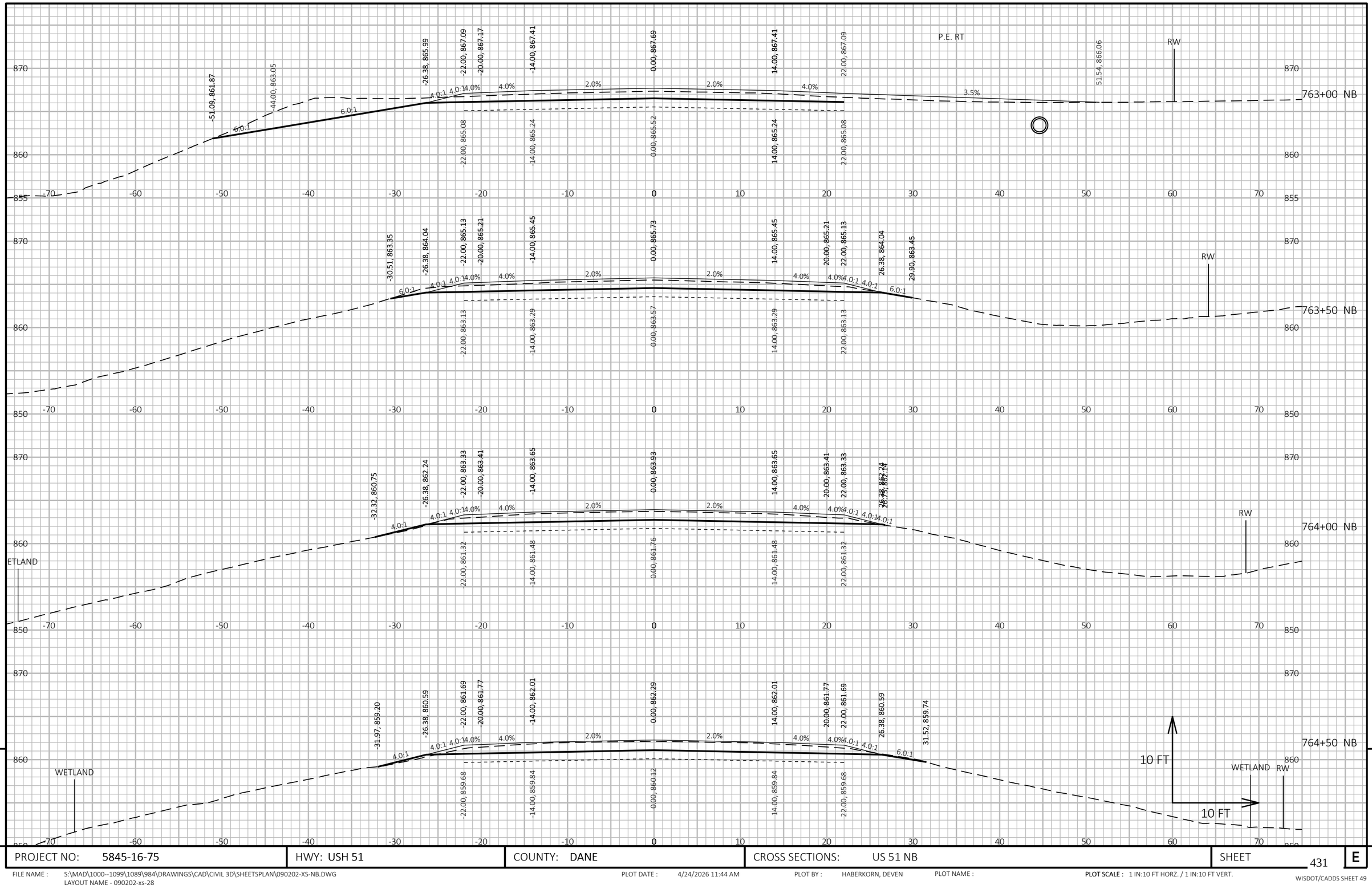


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 430	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-27

PLOT DATE : 4/24/2026 11:44 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

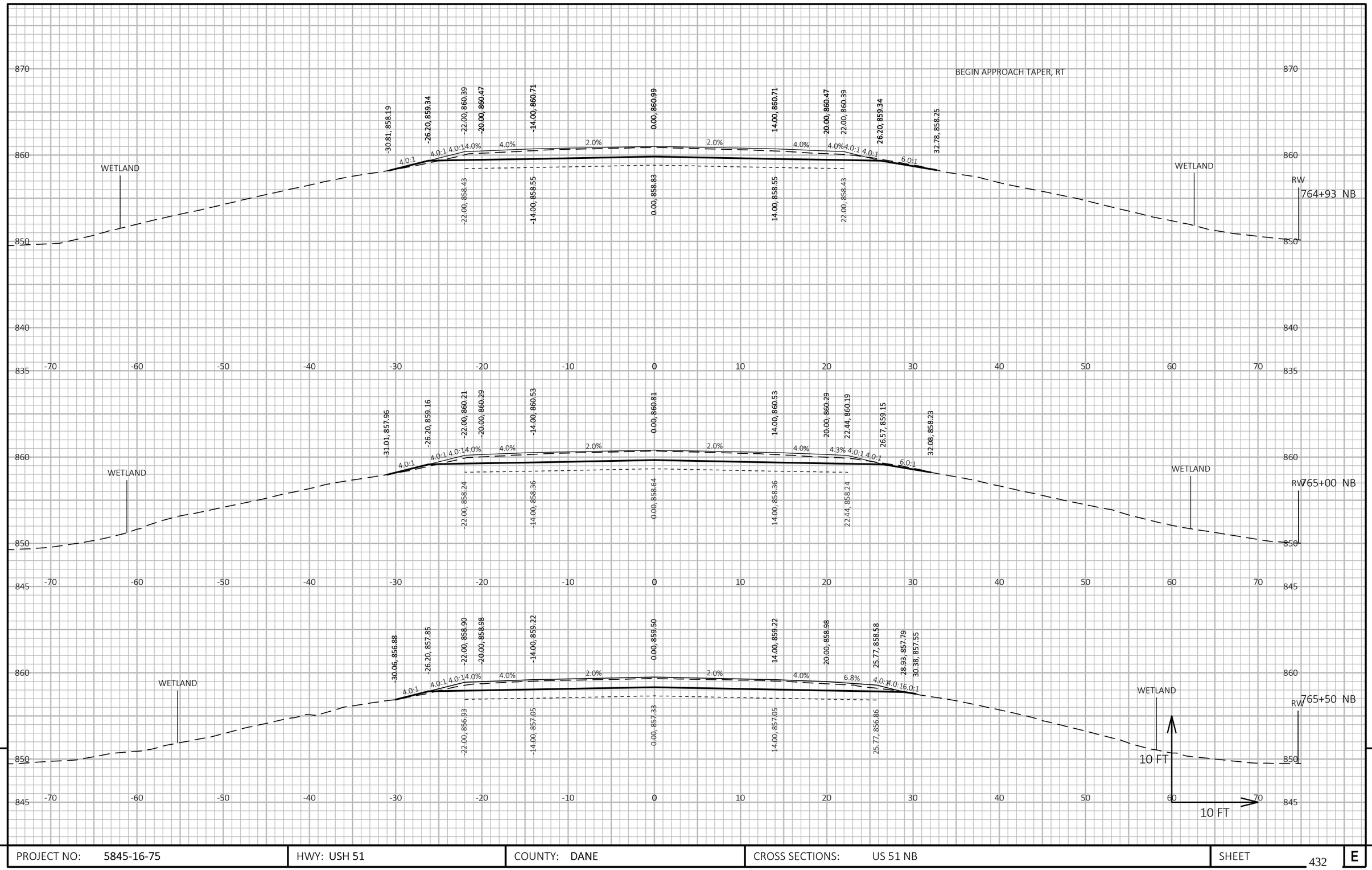


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 431 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-28

PLOT DATE : 4/24/2026 11:44 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 432	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-29

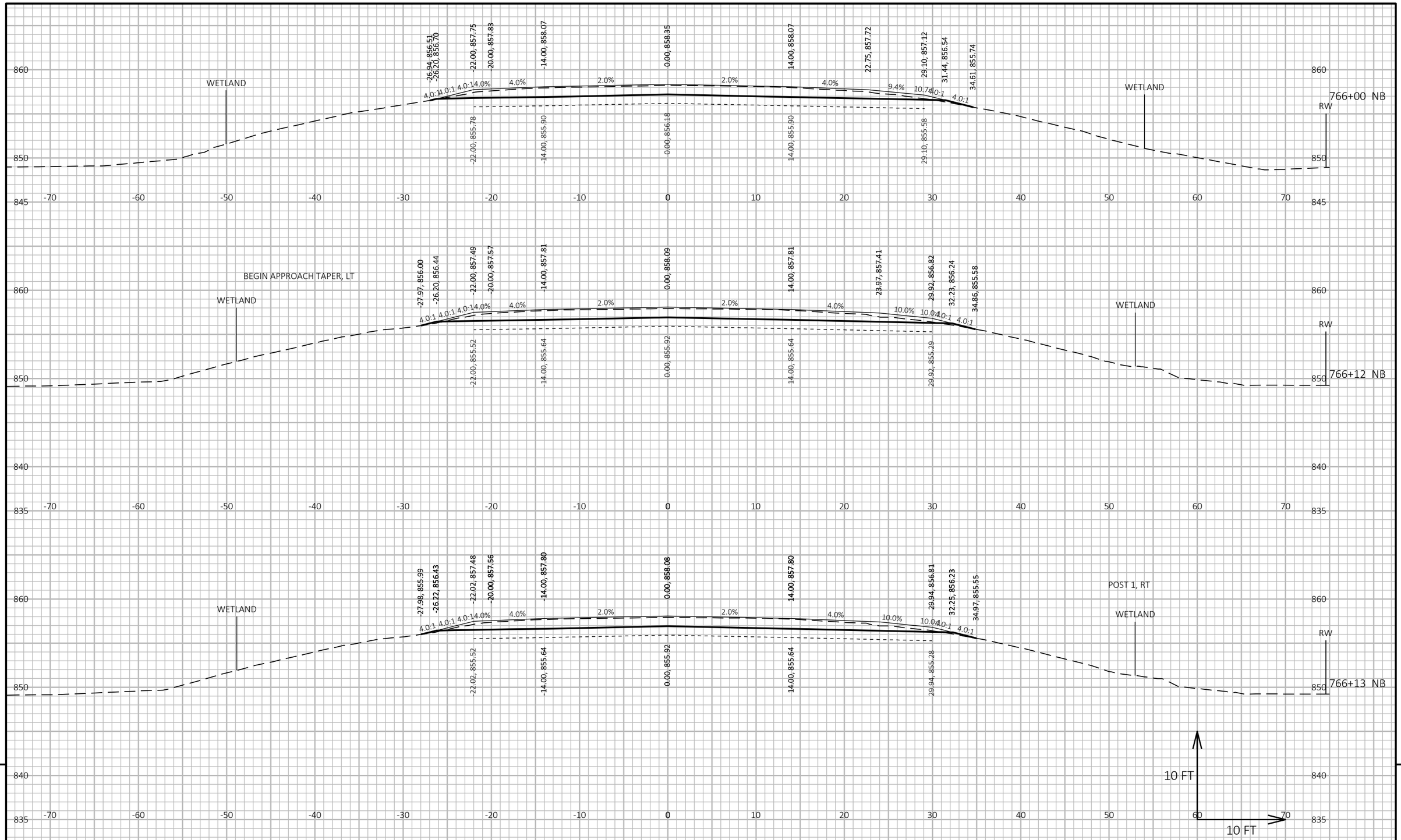
PLOT DATE : 5/1/2026 8:10 AM

PLOT BY : HABERKORN, DEVEN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

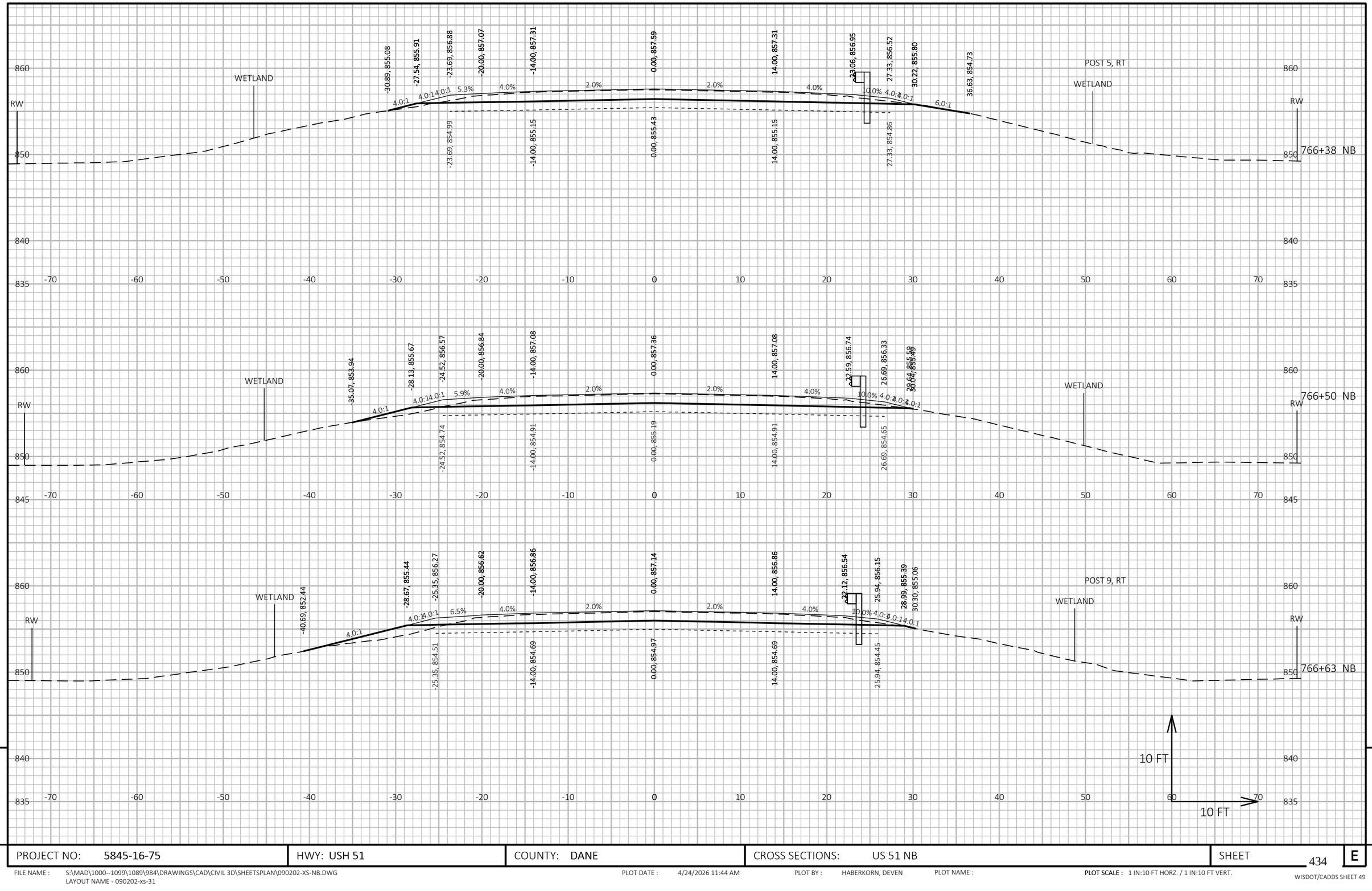
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 433	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-30

PLOT DATE : 4/24/2026 11:44 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



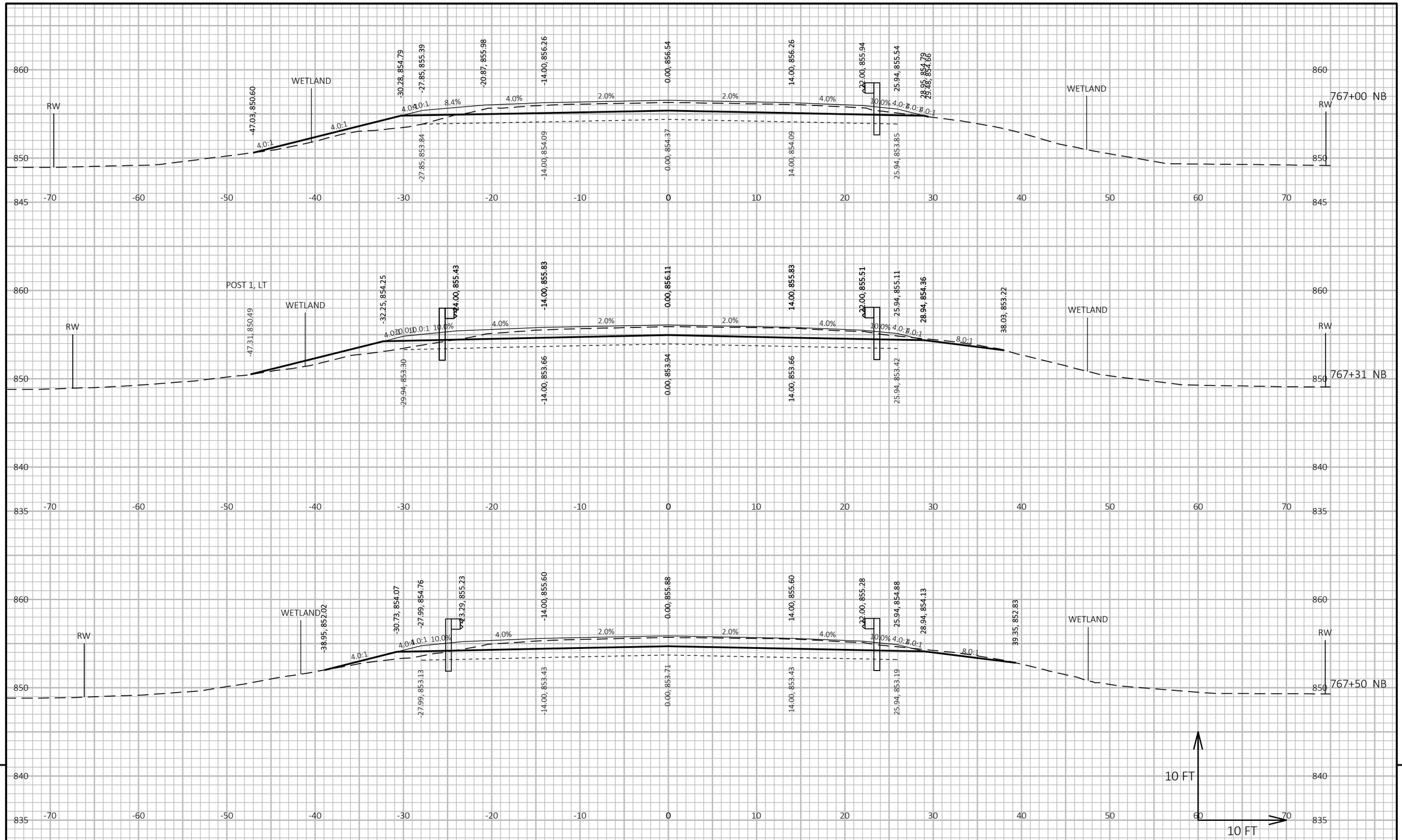
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 434	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-31

PLOT DATE : 4/24/2026 11:44 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

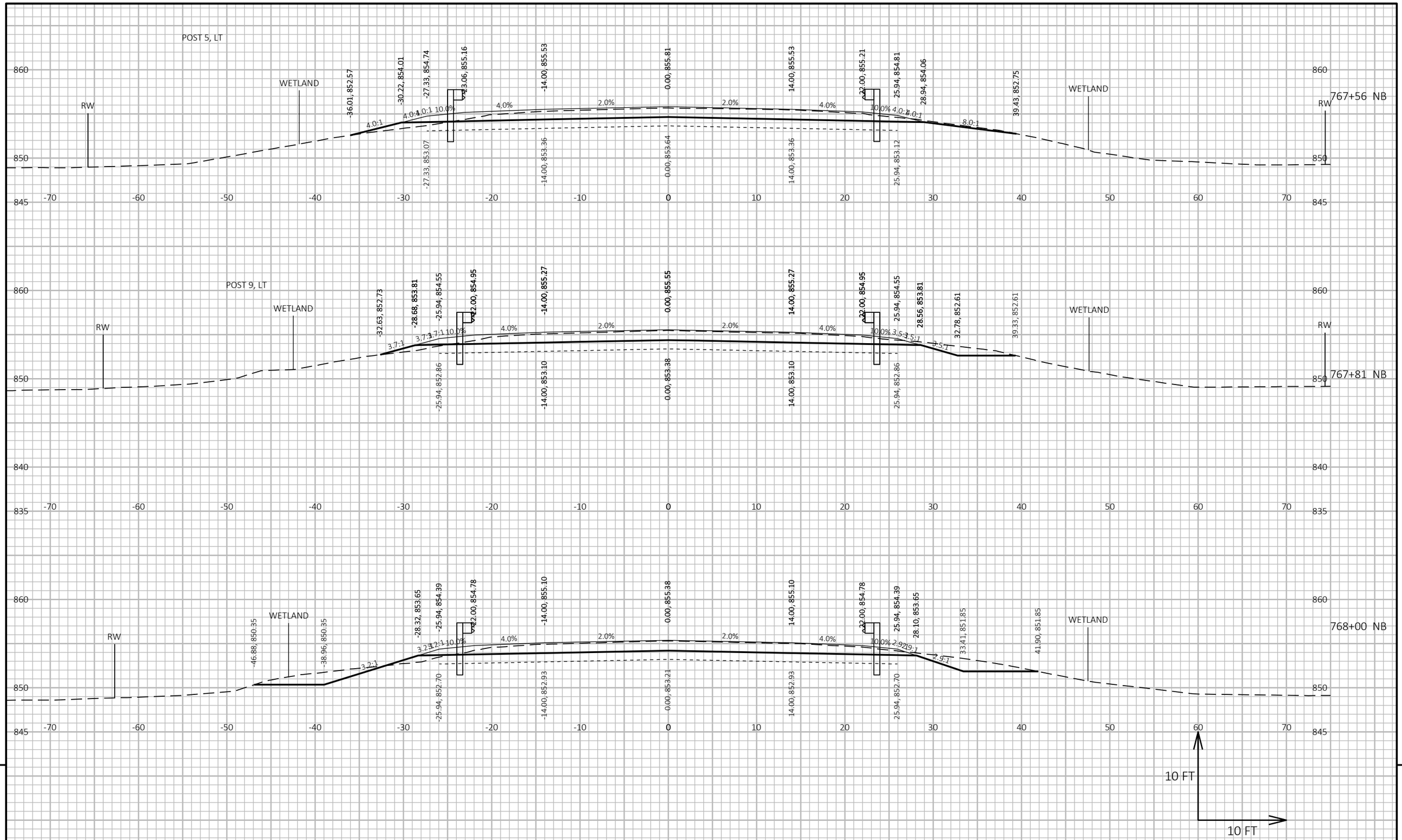
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 435	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-32

PLOT DATE : 5/1/2026 7:56 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

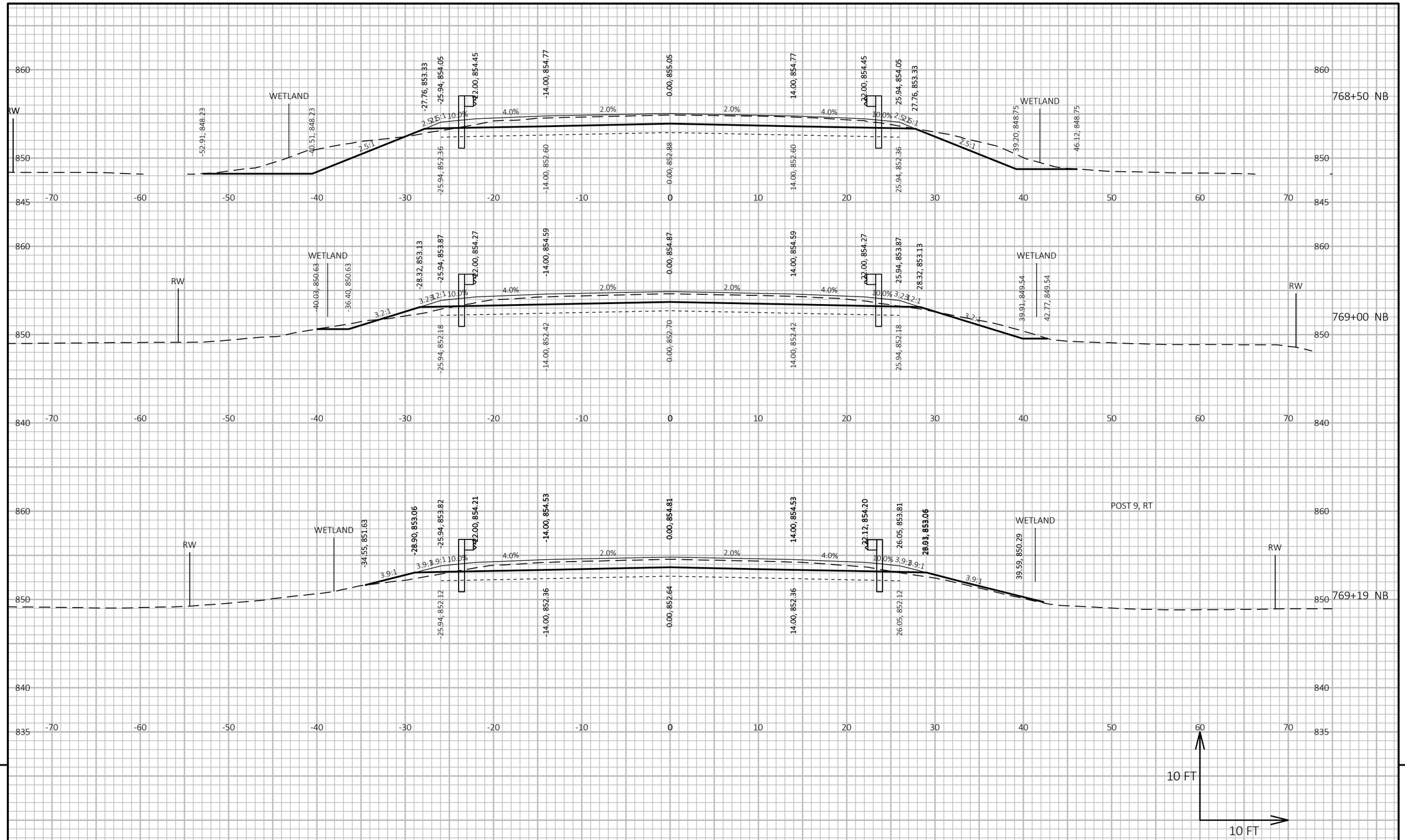


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 436	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-33

PLOT DATE : 4/24/2026 11:44 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

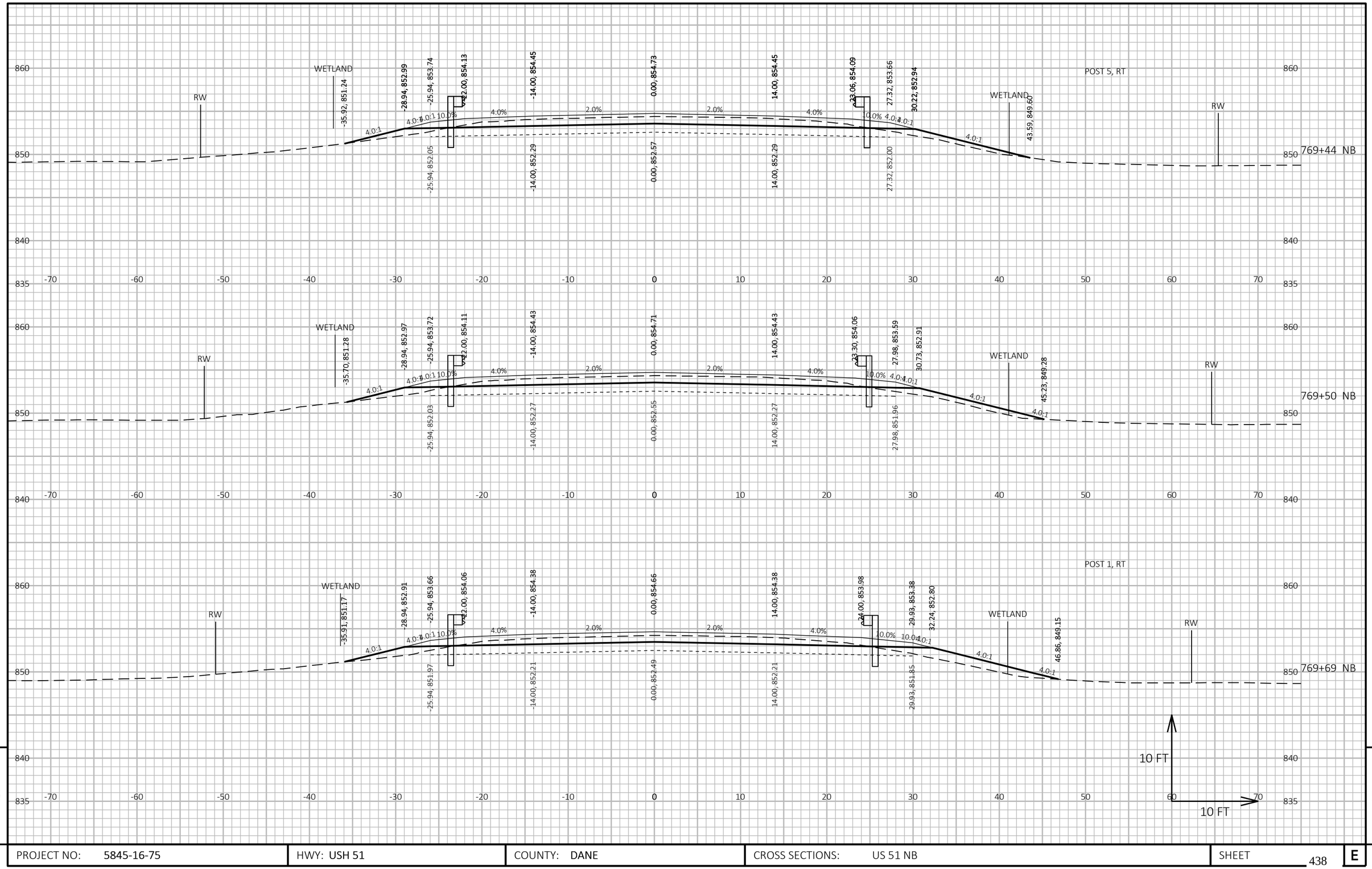


9	PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 437 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-34

PLOT DATE : 5/1/2026 10:48 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

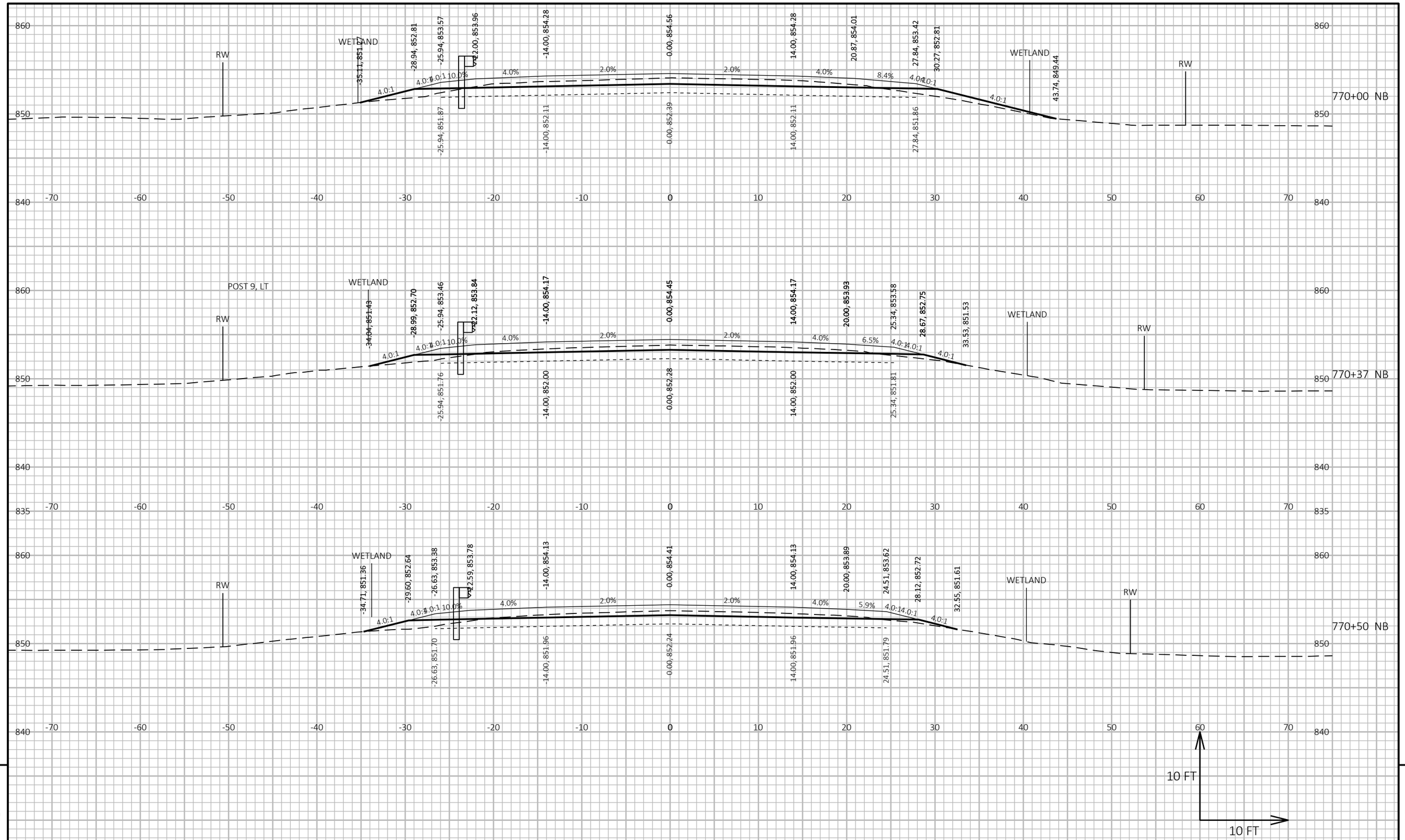


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 438 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-35

PLOT DATE : 5/1/2026 10:49 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

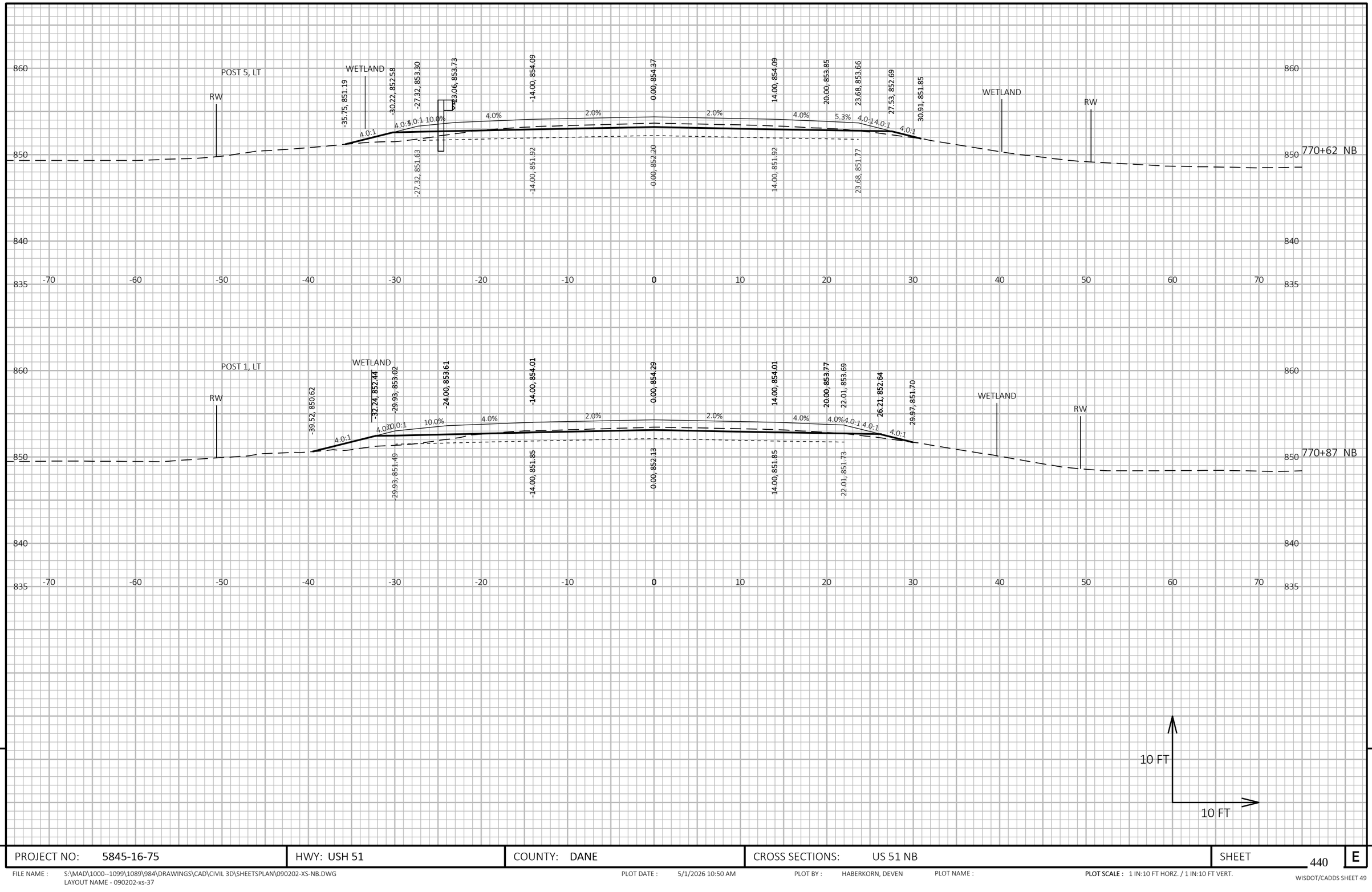
9

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 439	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-36

PLOT DATE : 5/1/2026 10:49 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

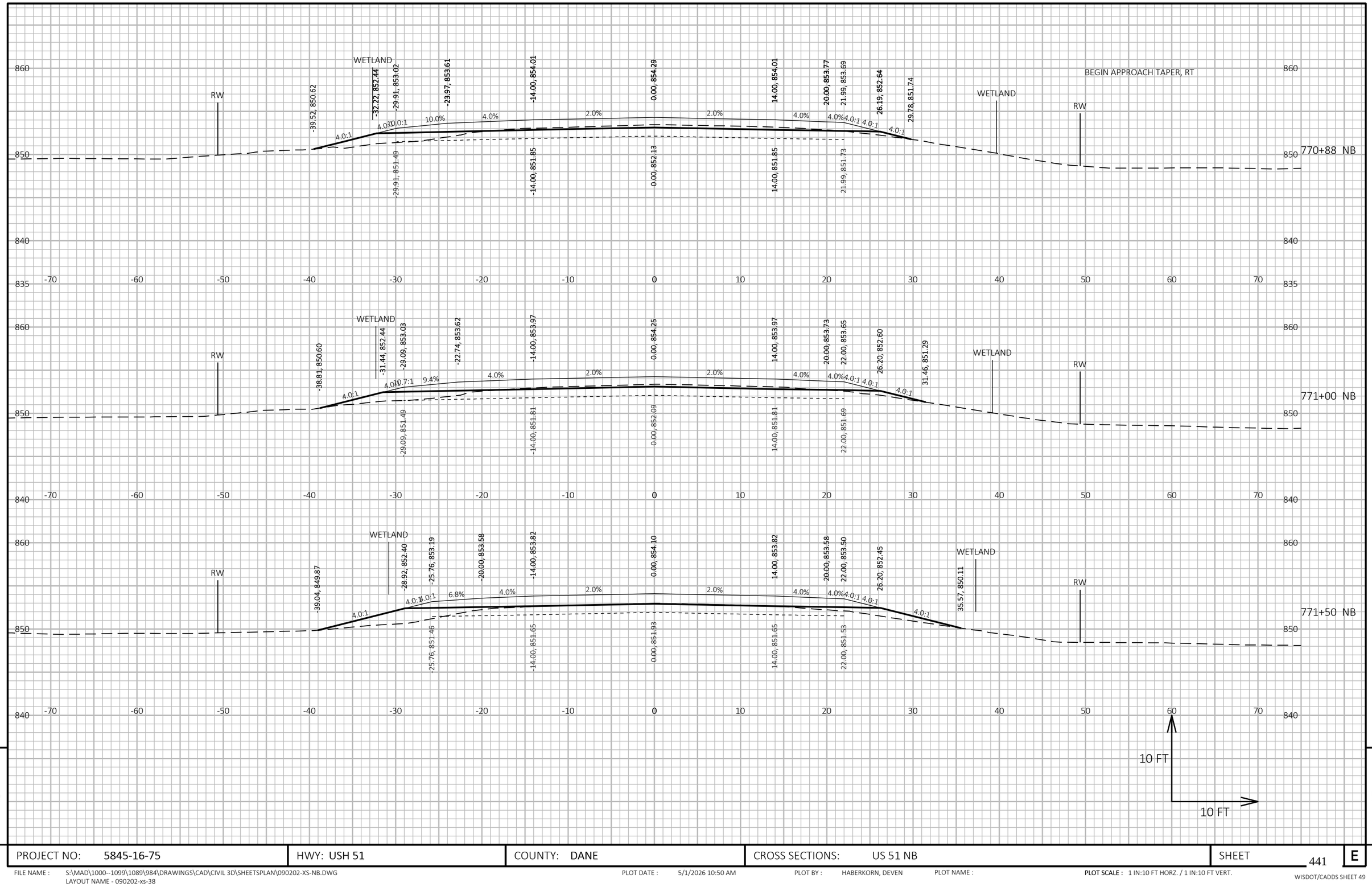
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 440	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-37

PLOT DATE : 5/1/2026 10:50 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

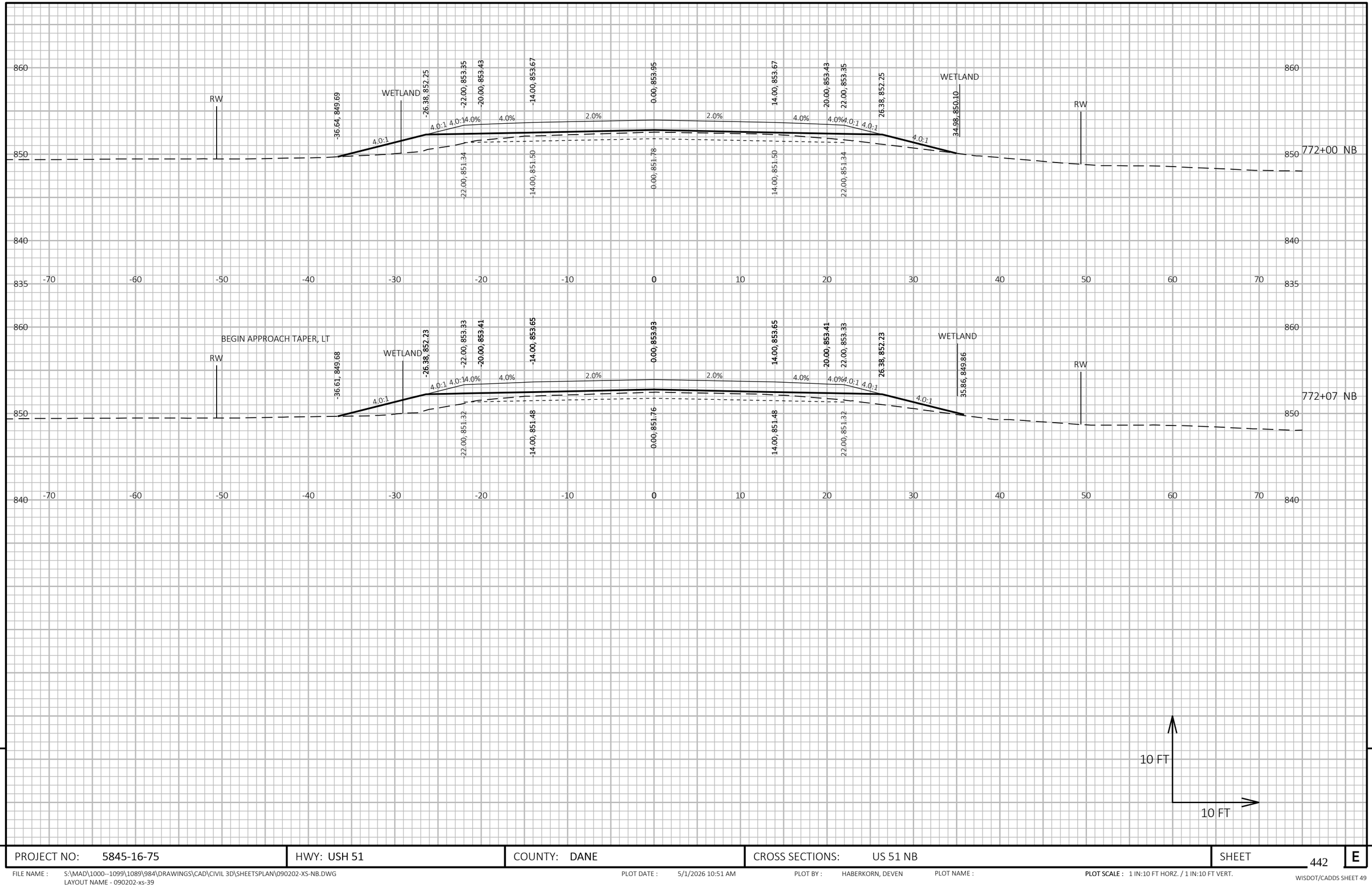
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 441	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-38

PLOT DATE : 5/1/2026 10:50 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

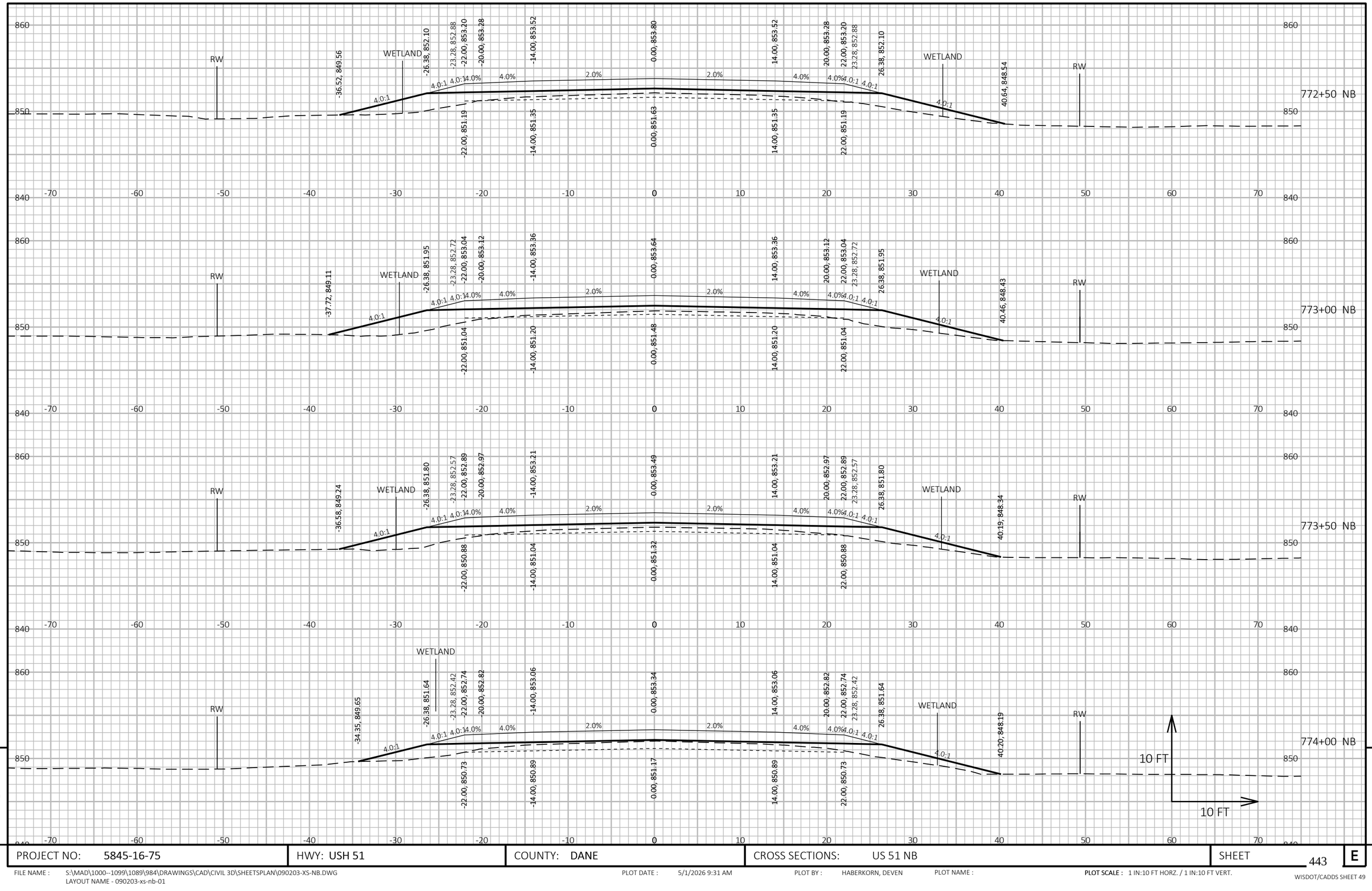
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 442	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090202-XS-NB.DWG
LAYOUT NAME - 090202-xs-39

PLOT DATE : 5/1/2026 10:51 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

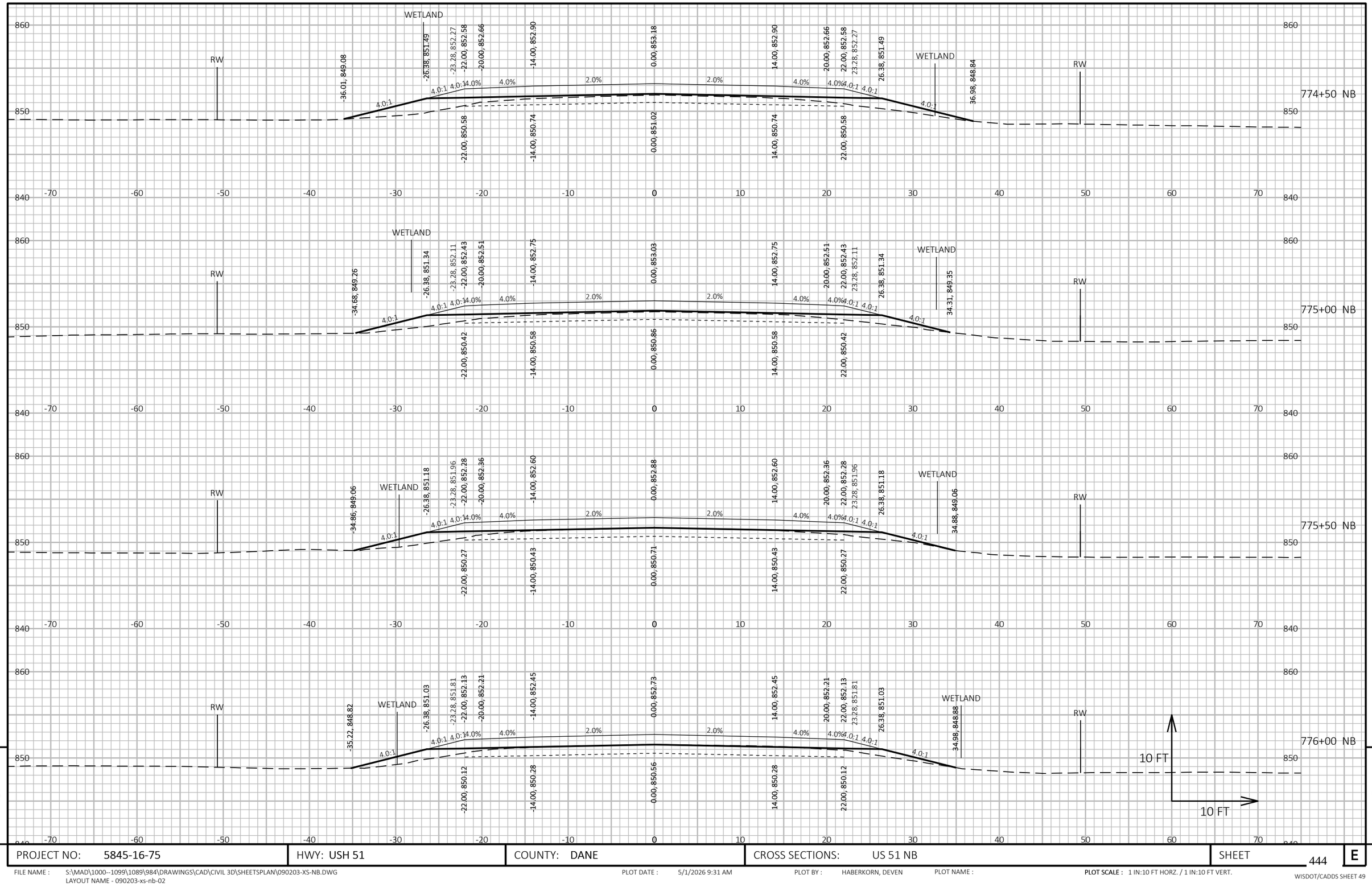


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 443 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-01

PLOT DATE : 5/1/2026 9:31 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 444	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-02

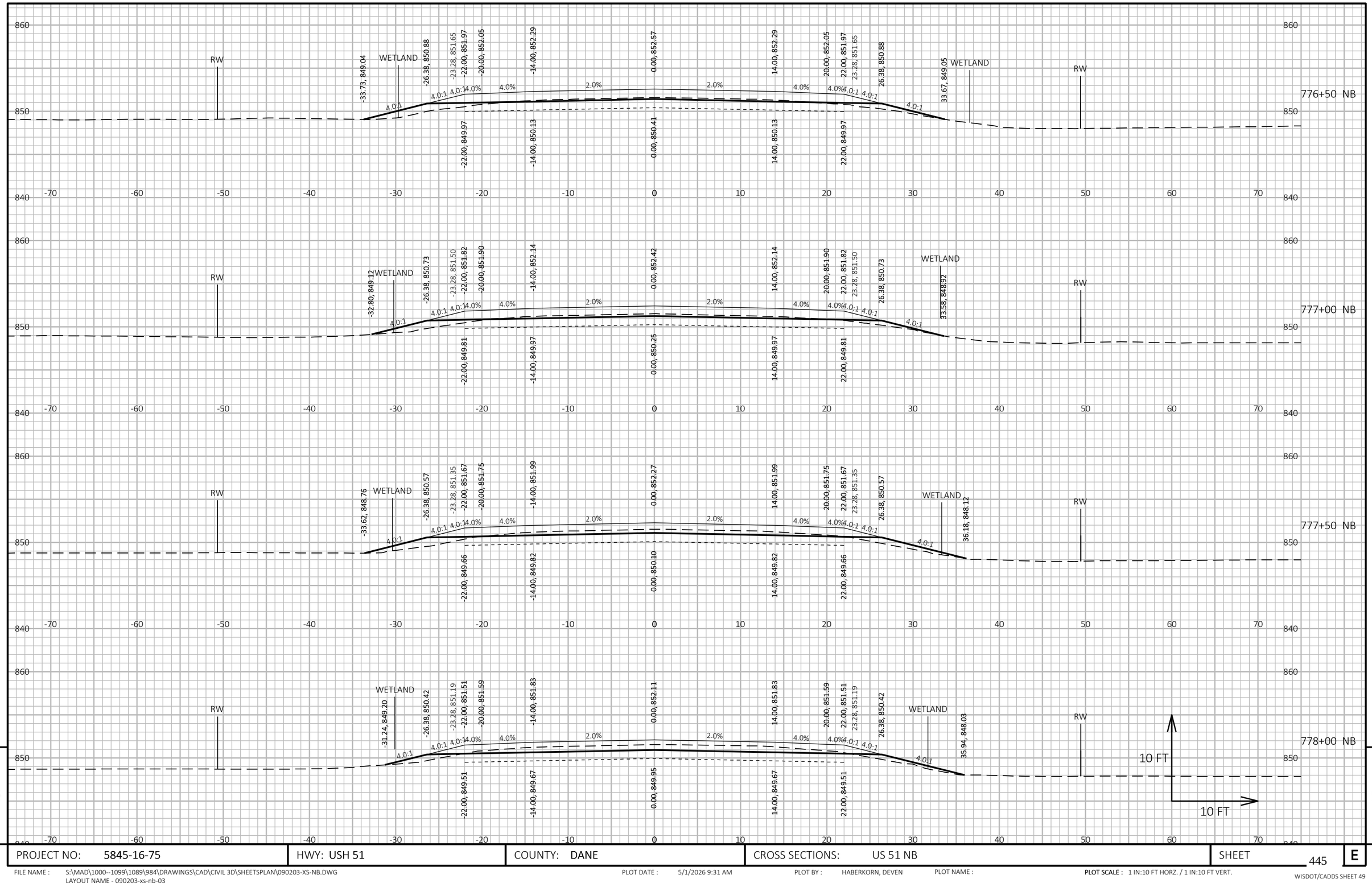
PLOT DATE : 5/1/2026 9:31 AM

PLOT BY : HABERKORN, DEVEN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 445	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-03

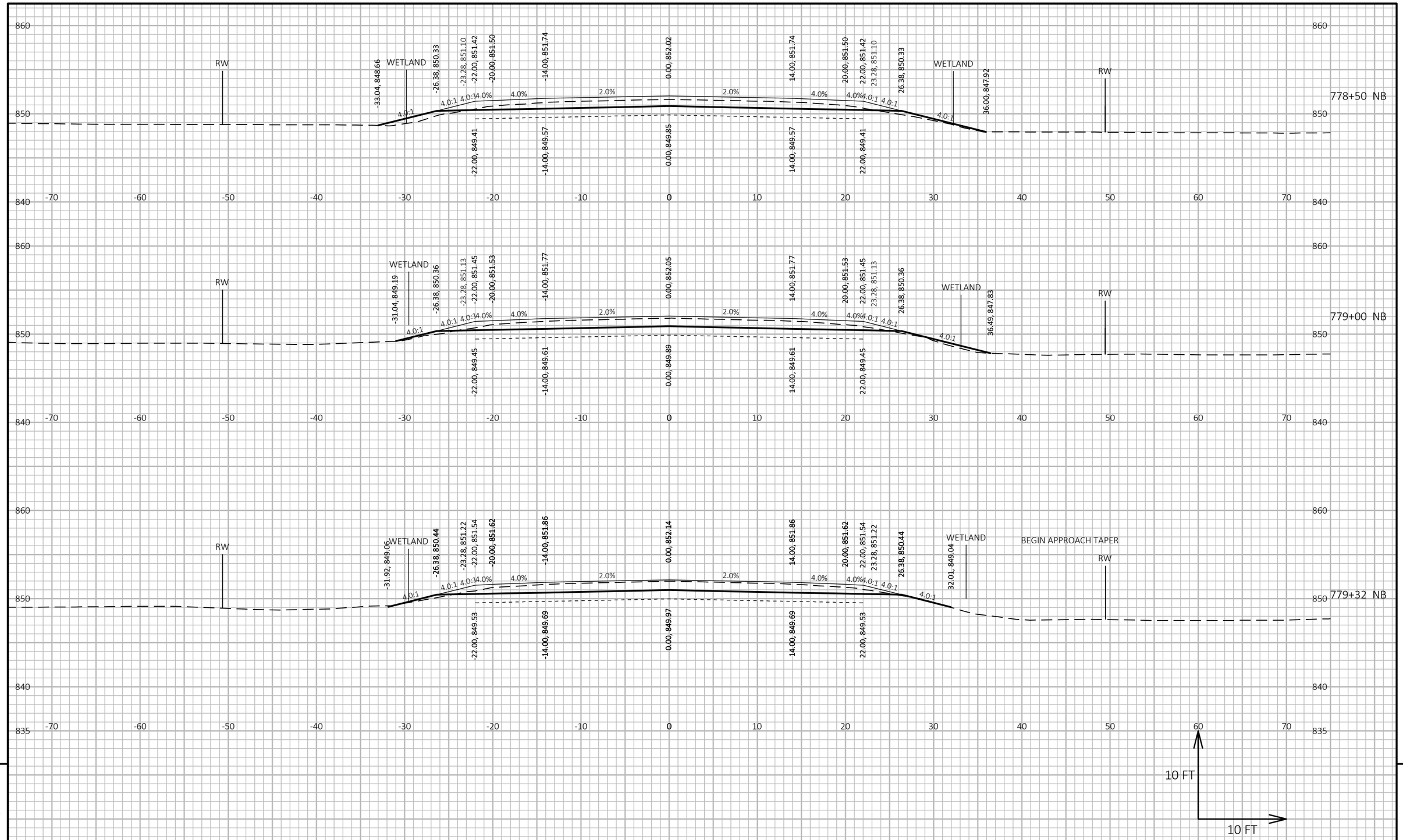
PLOT DATE : 5/1/2026 9:31 AM

PLOT BY : HABERKORN, DEVEN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

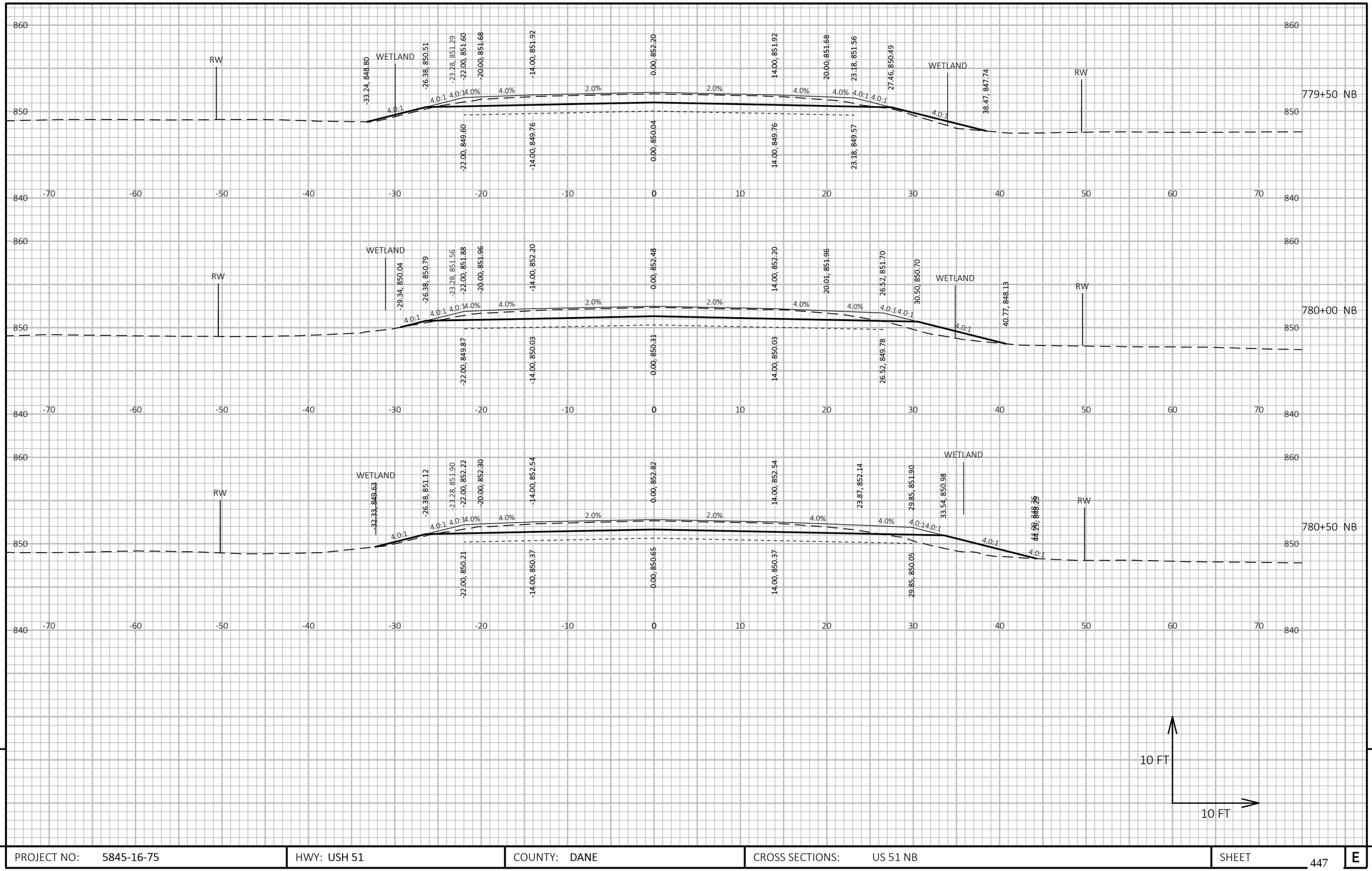
9

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 446	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-04

PLOT DATE : 5/1/2026 9:31 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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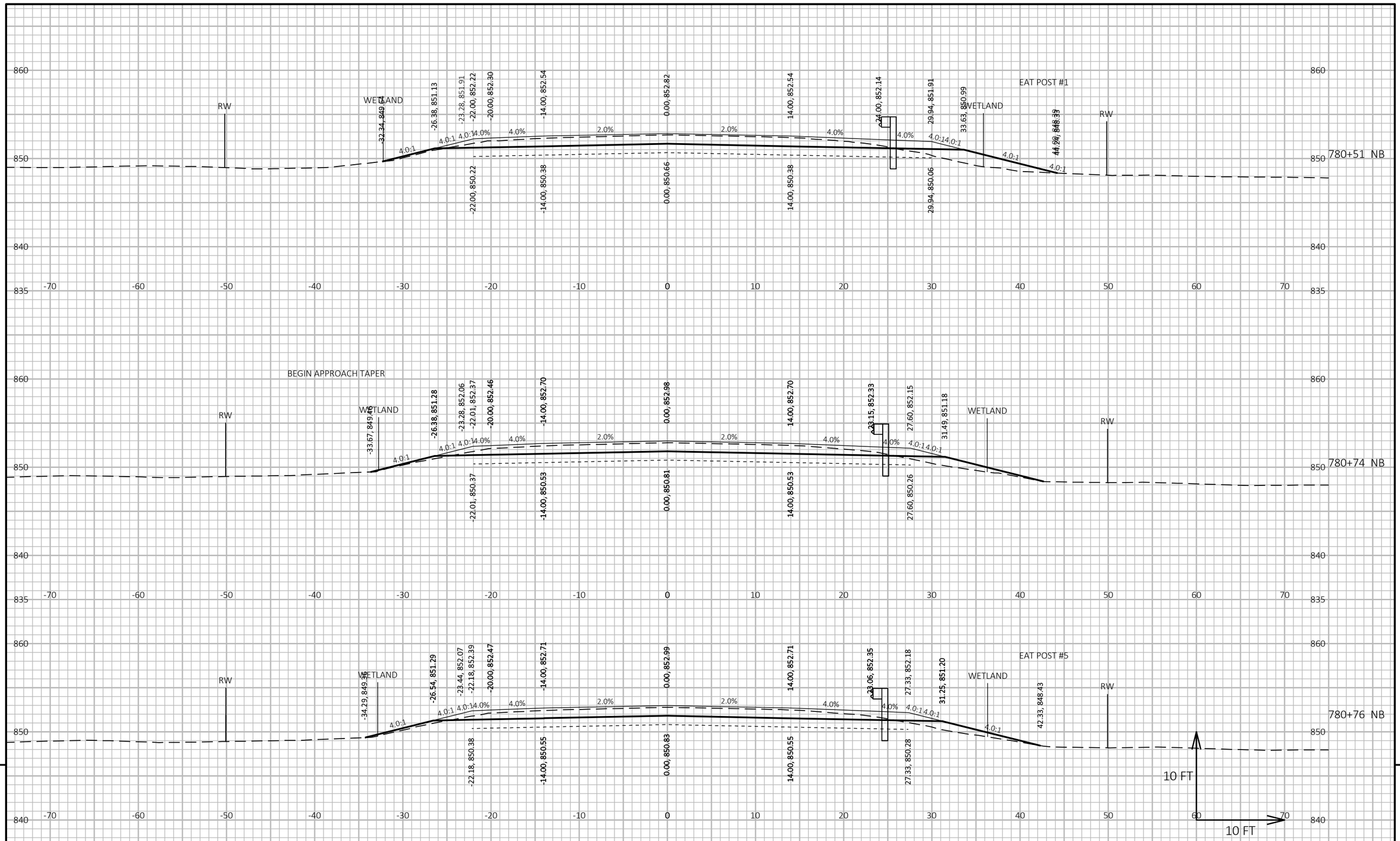
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 447	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-05

PLOT DATE : 5/1/2026 9:31 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

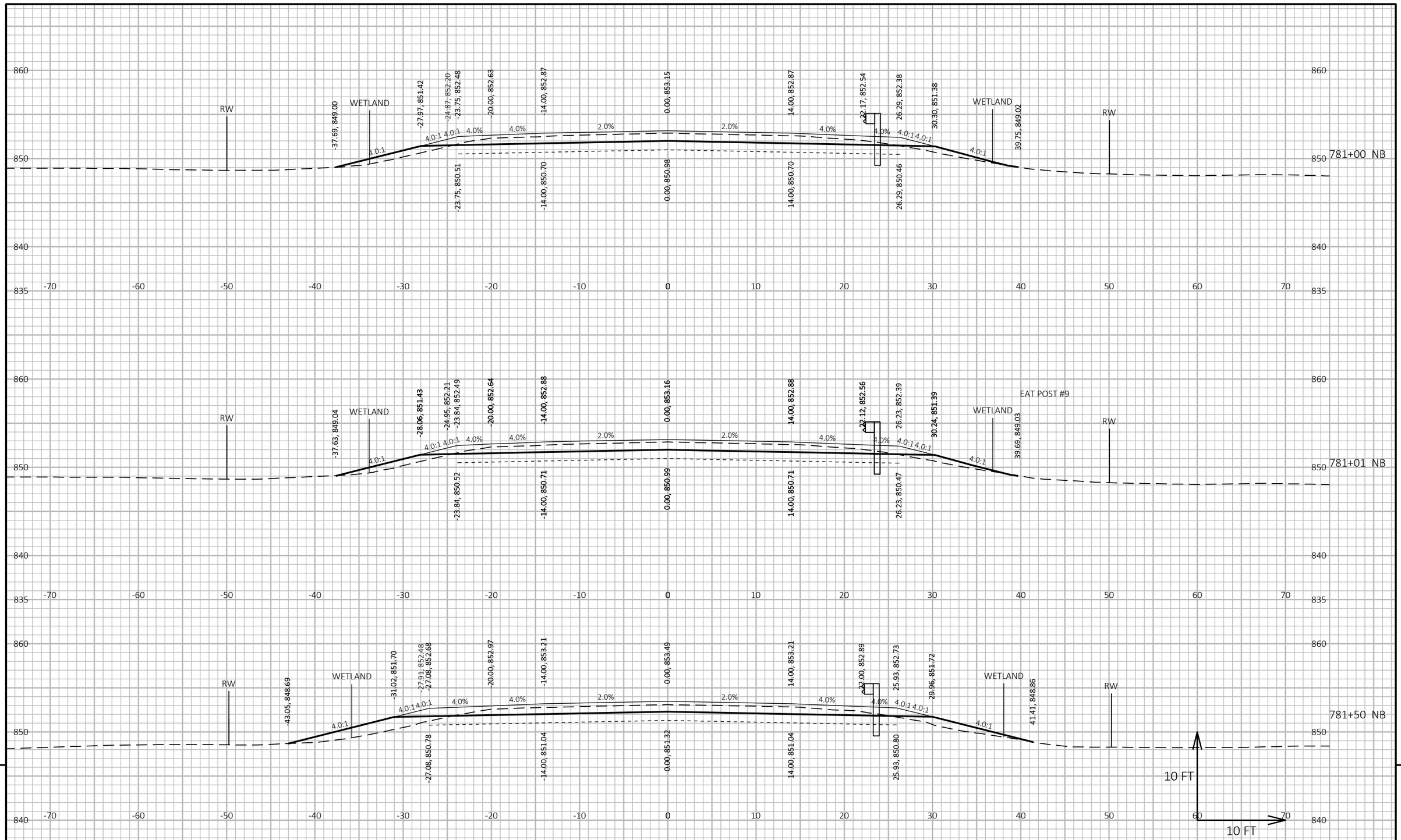
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 448	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-06

PLOT DATE : 5/1/2026 9:31 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

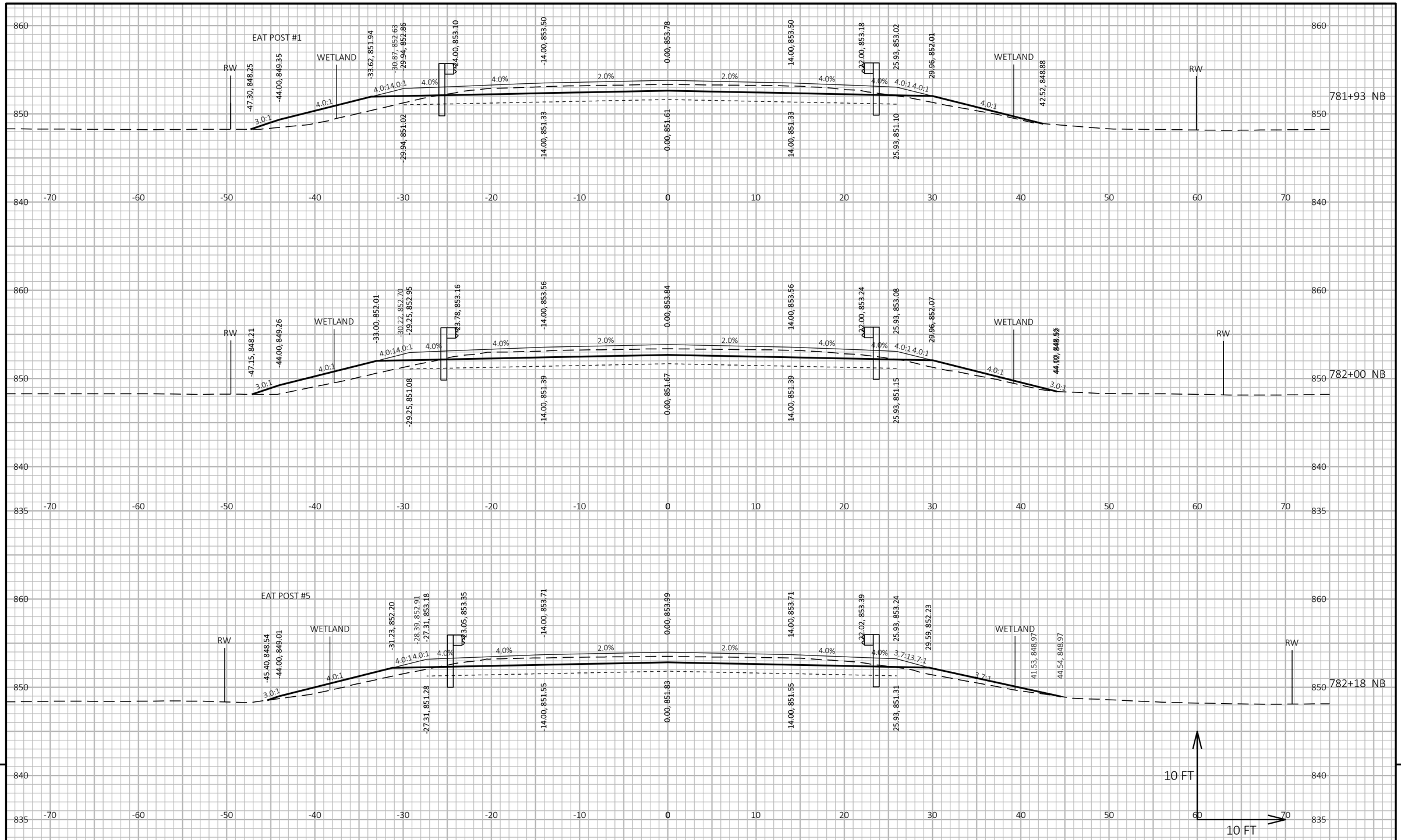
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 449	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-07

PLOT DATE : 5/1/2026 9:31 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

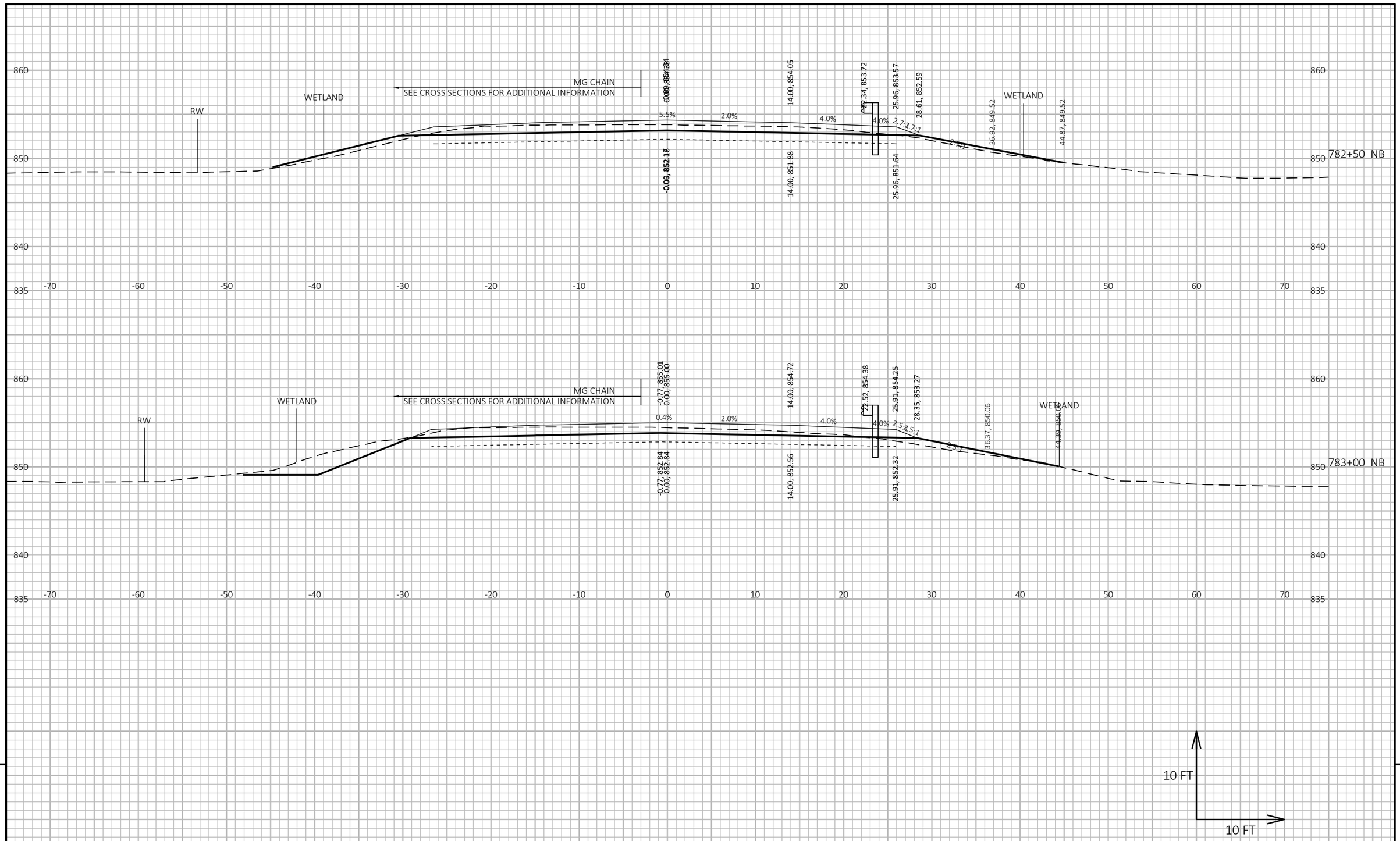


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 450 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-08

PLOT DATE : 5/1/2026 9:31 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

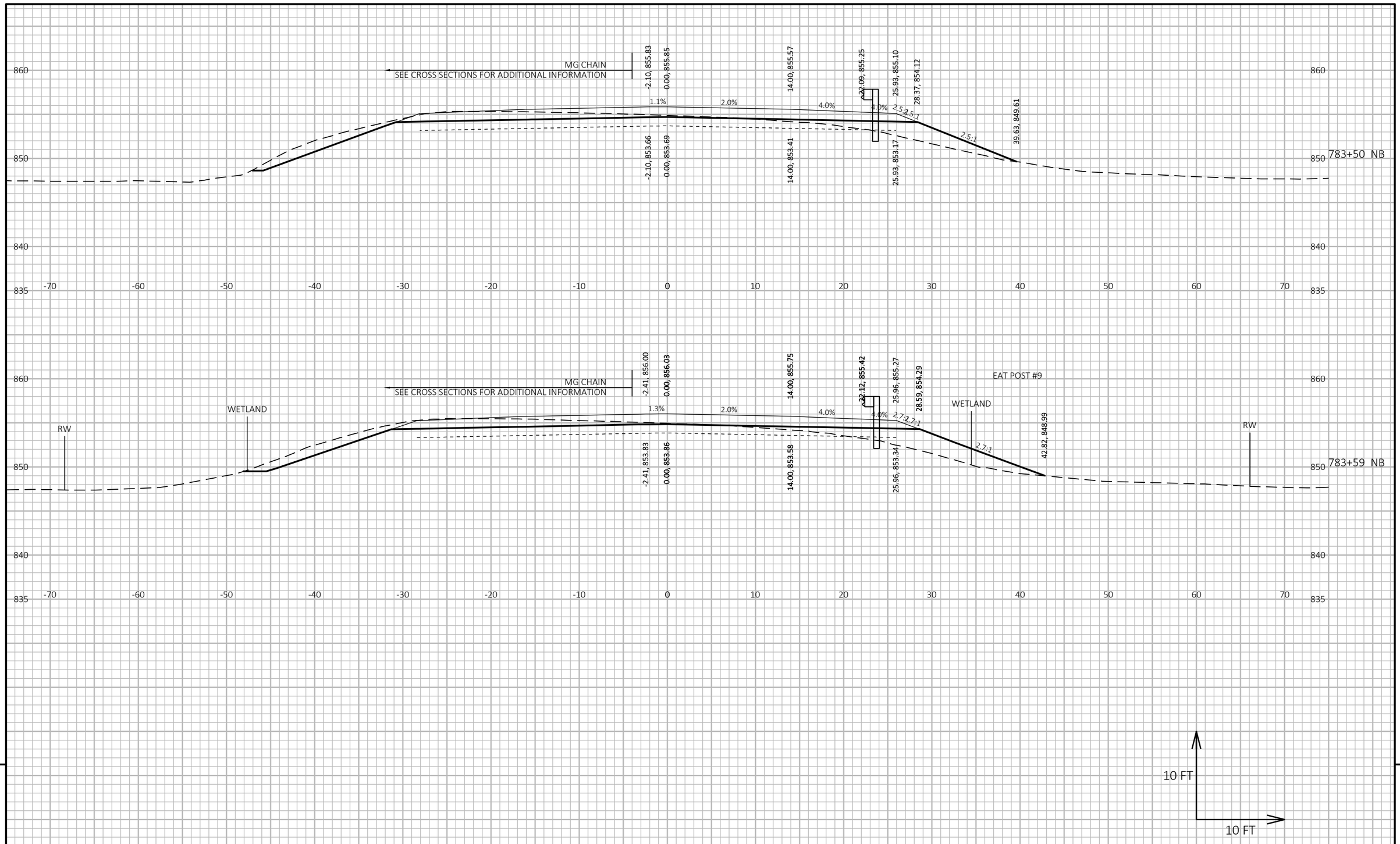


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 451	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-09

PLOT DATE : 5/1/2026 9:31 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

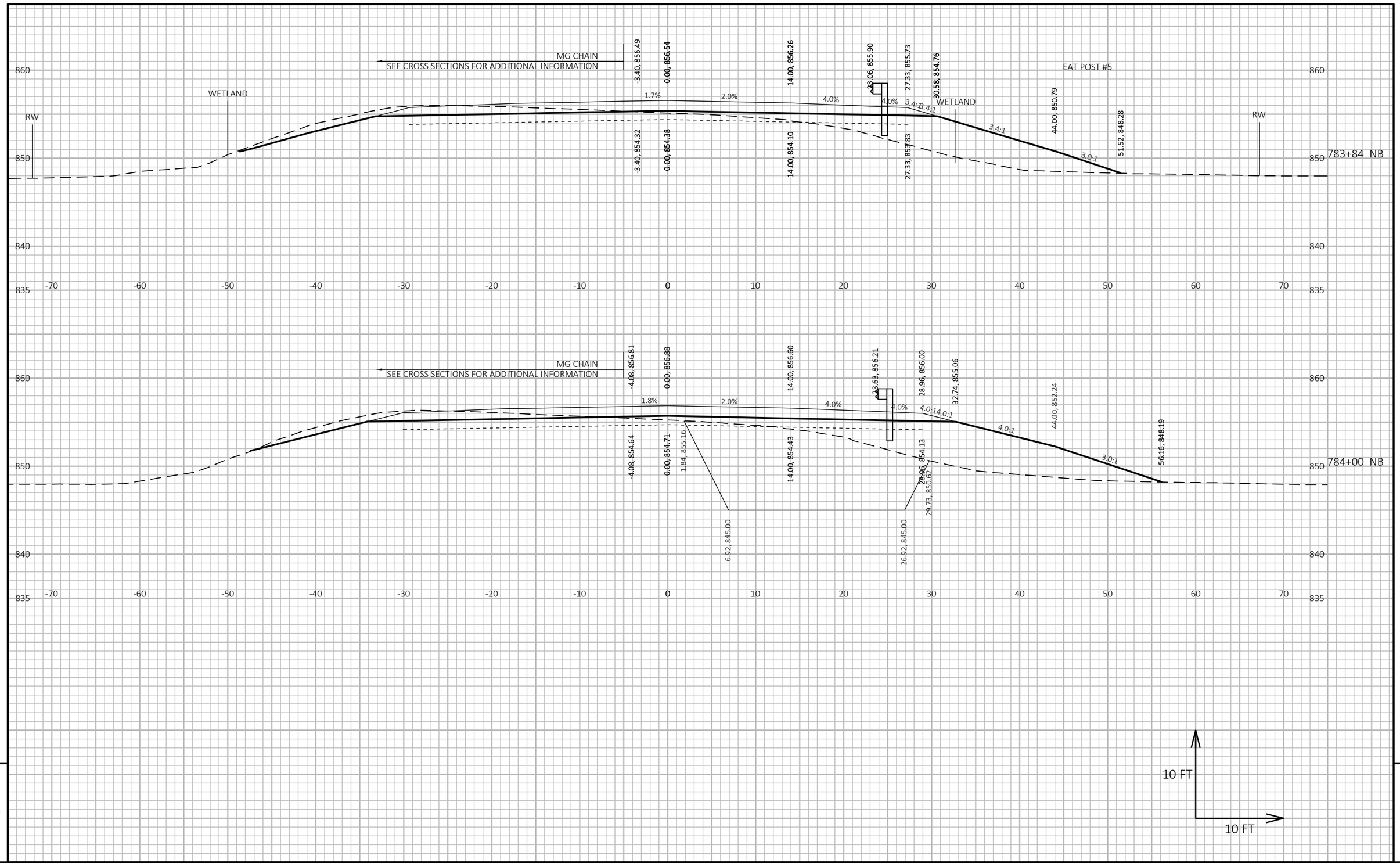
WISDOT/CADDS SHEET 49



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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 452	E



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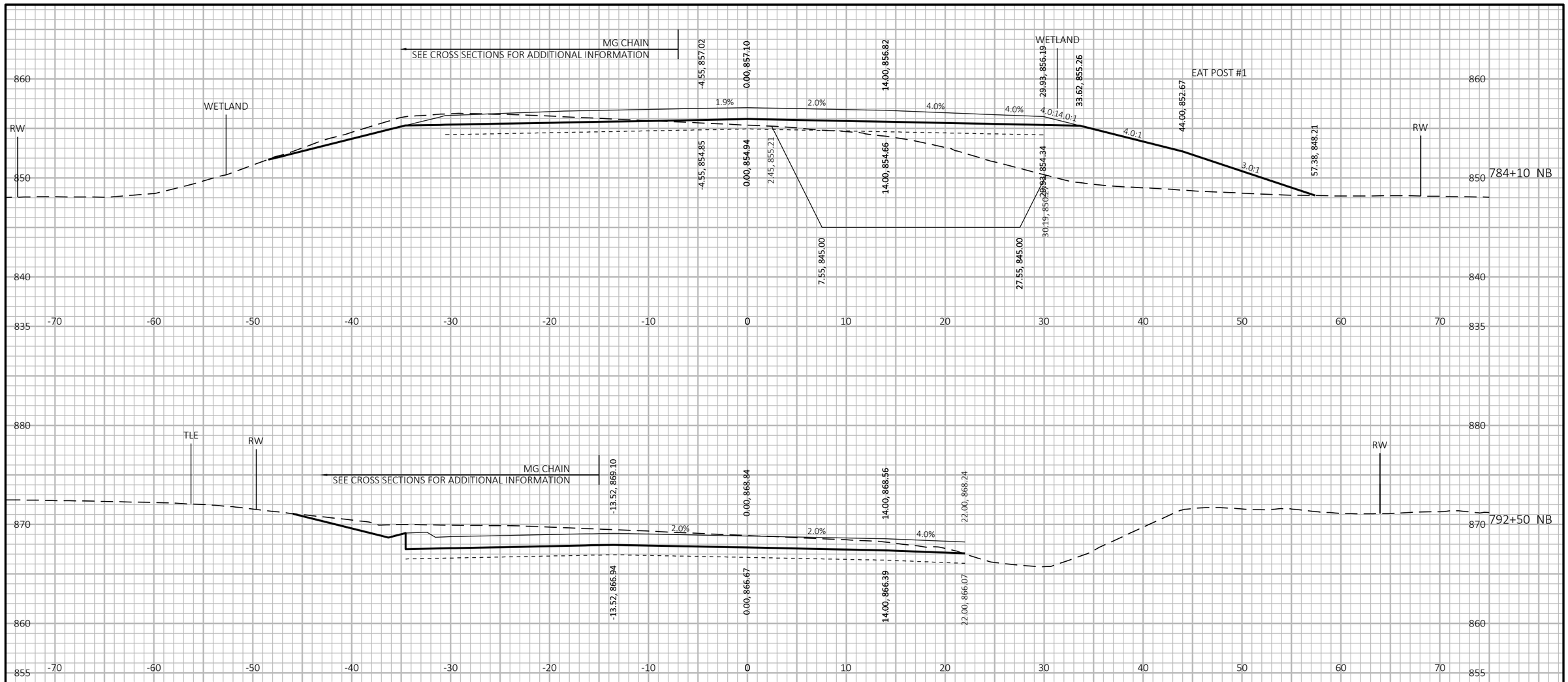
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 453	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-11

PLOT DATE : 5/1/2026 9:31 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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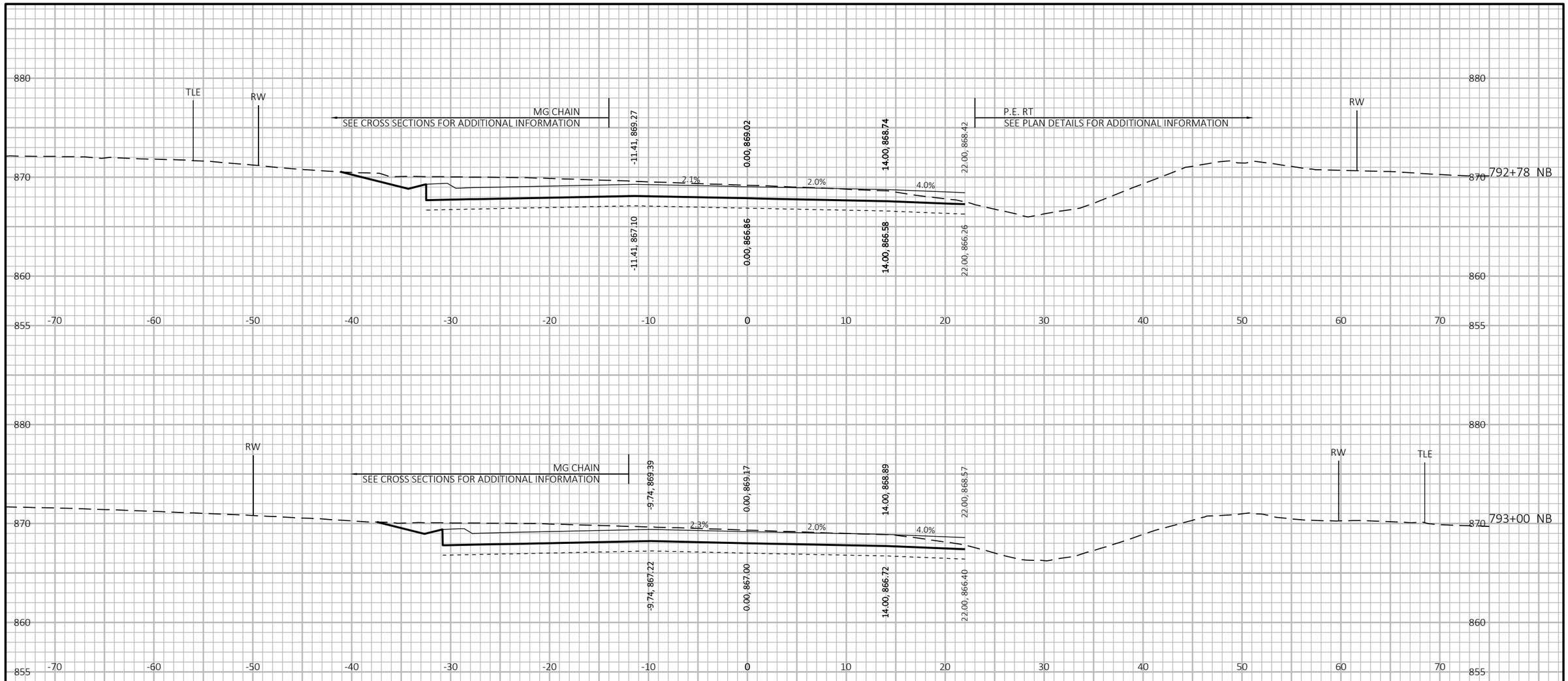
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 454	E

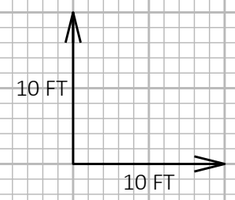
FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-12

PLOT DATE : 5/1/2026 9:31 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 455	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-13

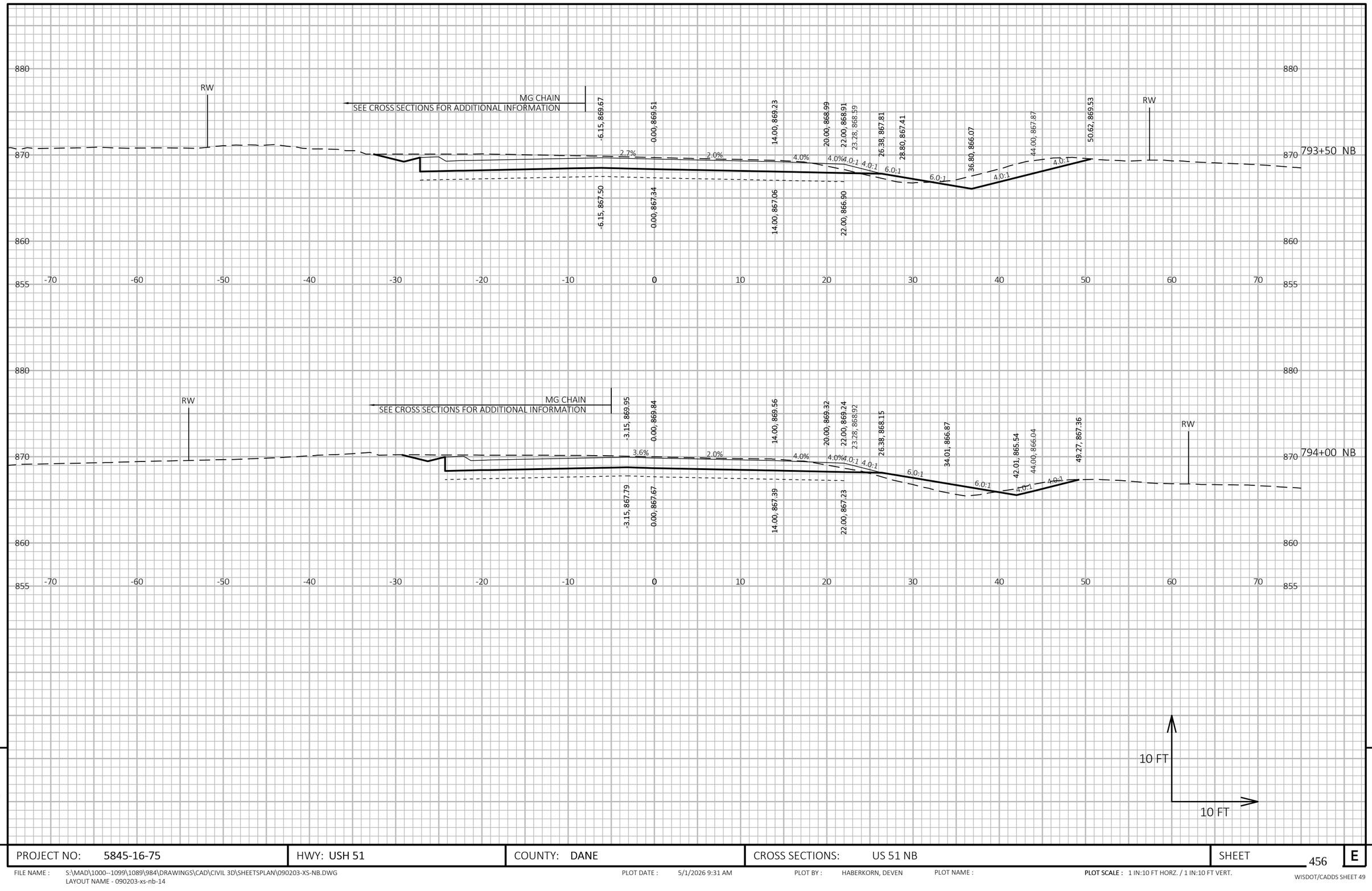
PLOT DATE : 5/1/2026 9:31 AM

PLOT BY : HABERKORN, DEVEN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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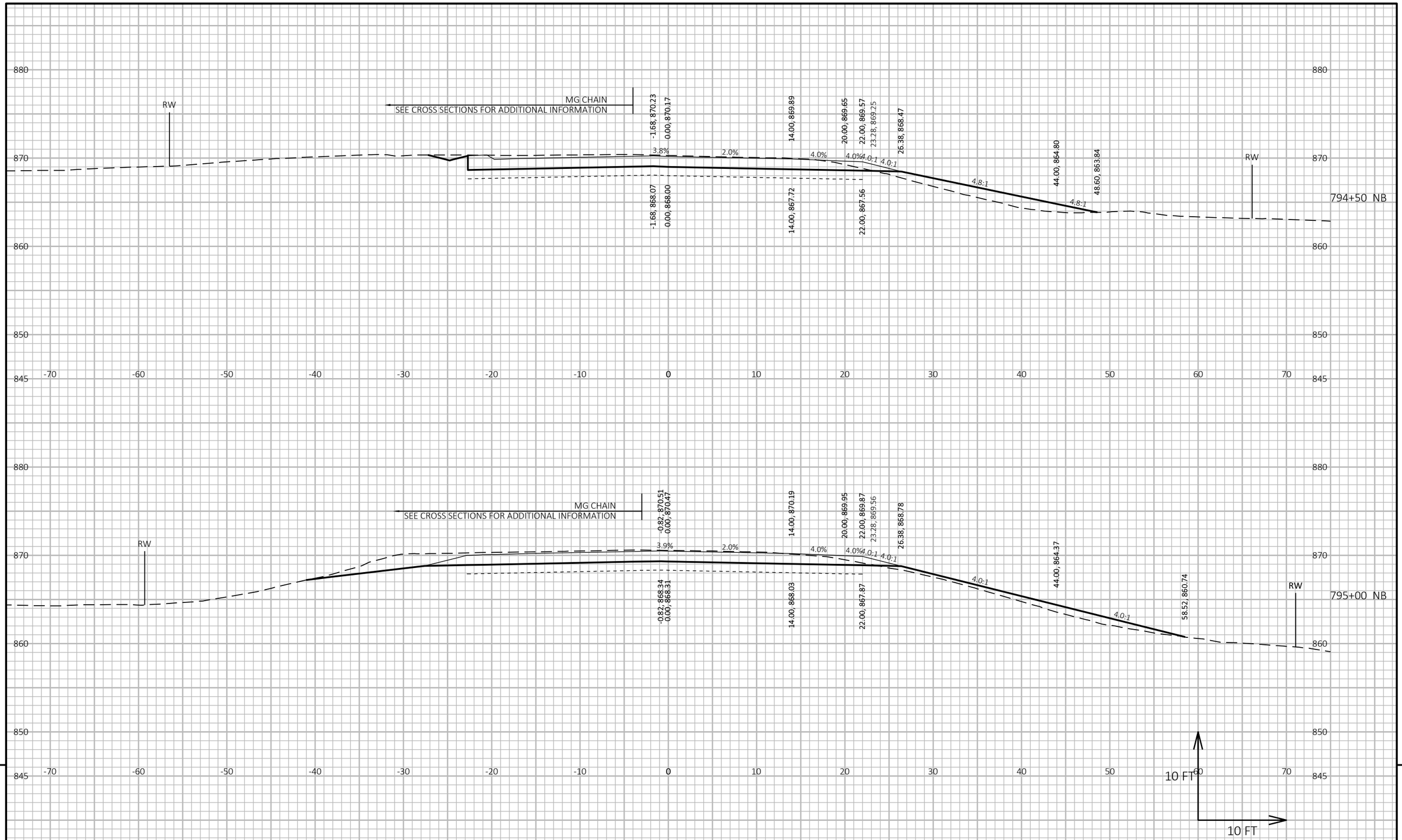
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 456	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-14

PLOT DATE : 5/1/2026 9:31 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

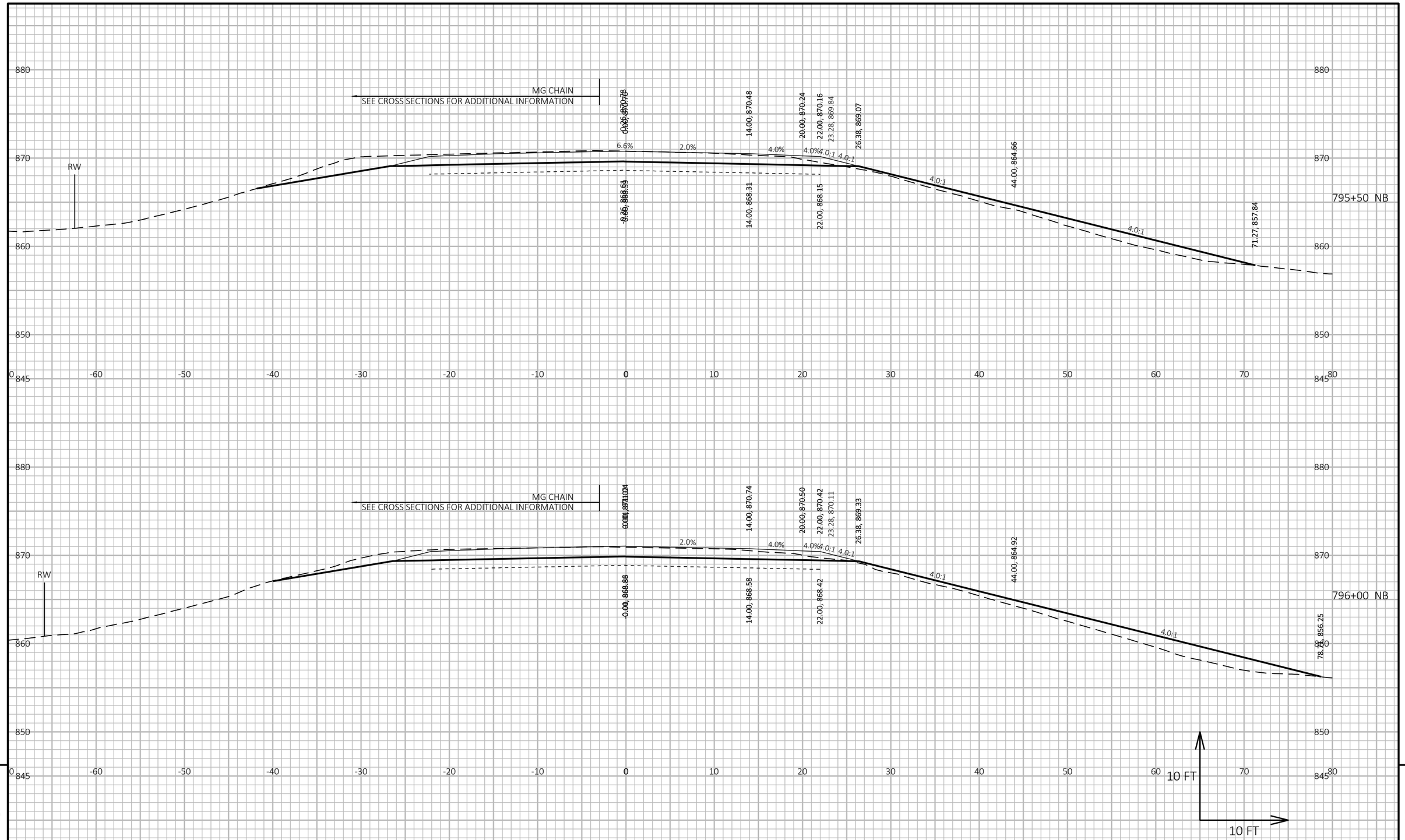


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 457 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-15

PLOT DATE : 5/1/2026 9:31 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

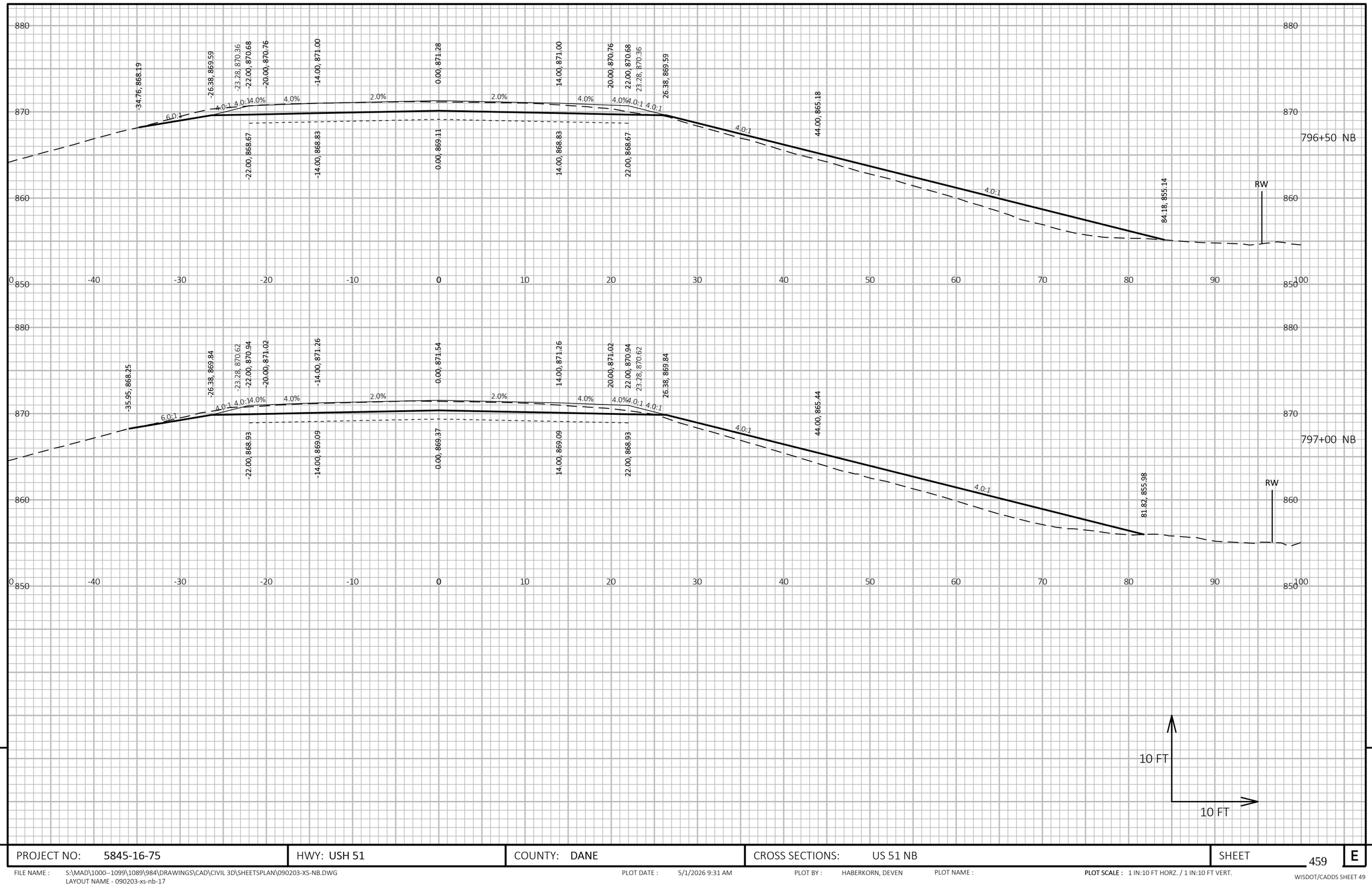


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 458	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-16

PLOT DATE : 5/1/2026 9:31 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



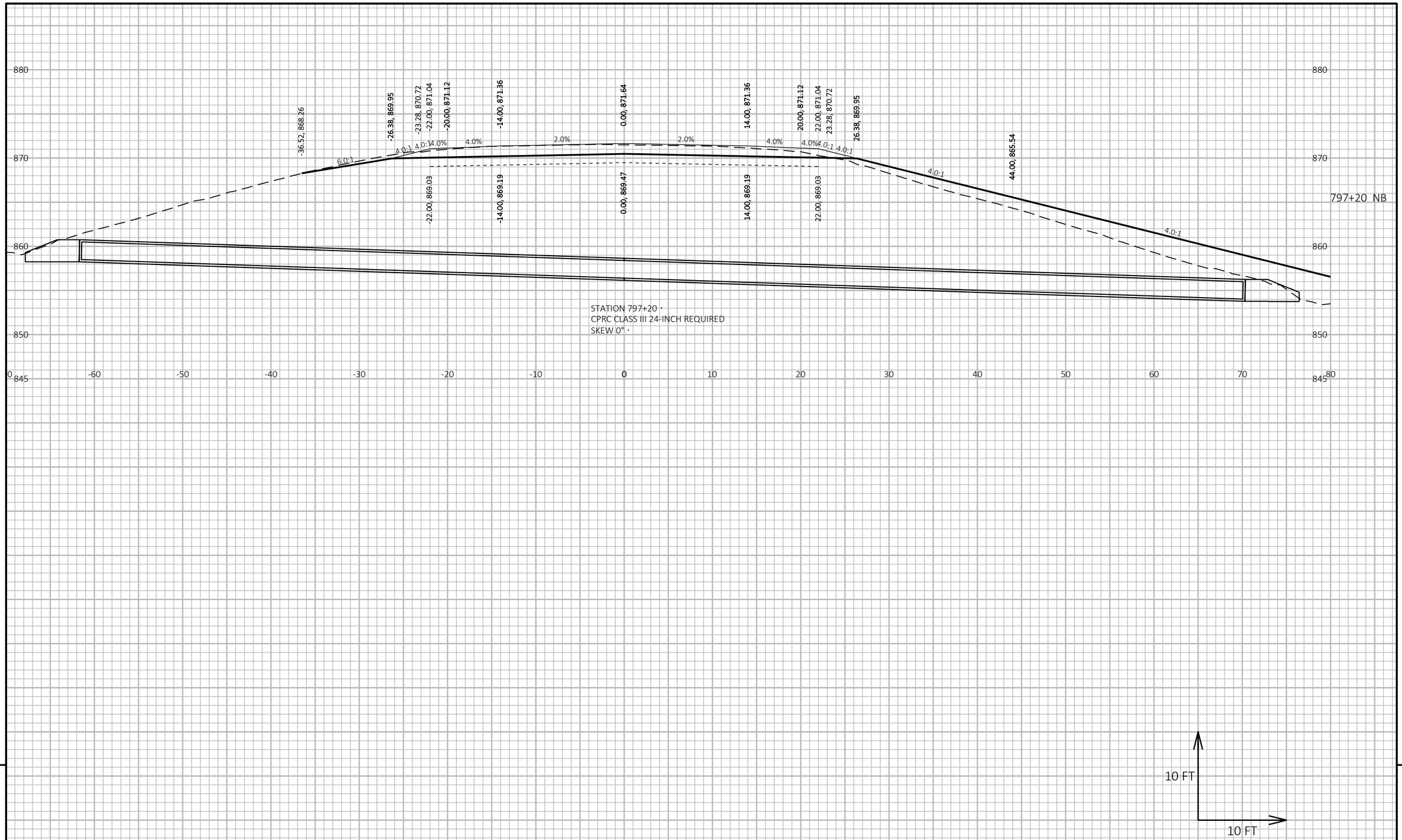
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 459	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-17

PLOT DATE : 5/1/2026 9:31 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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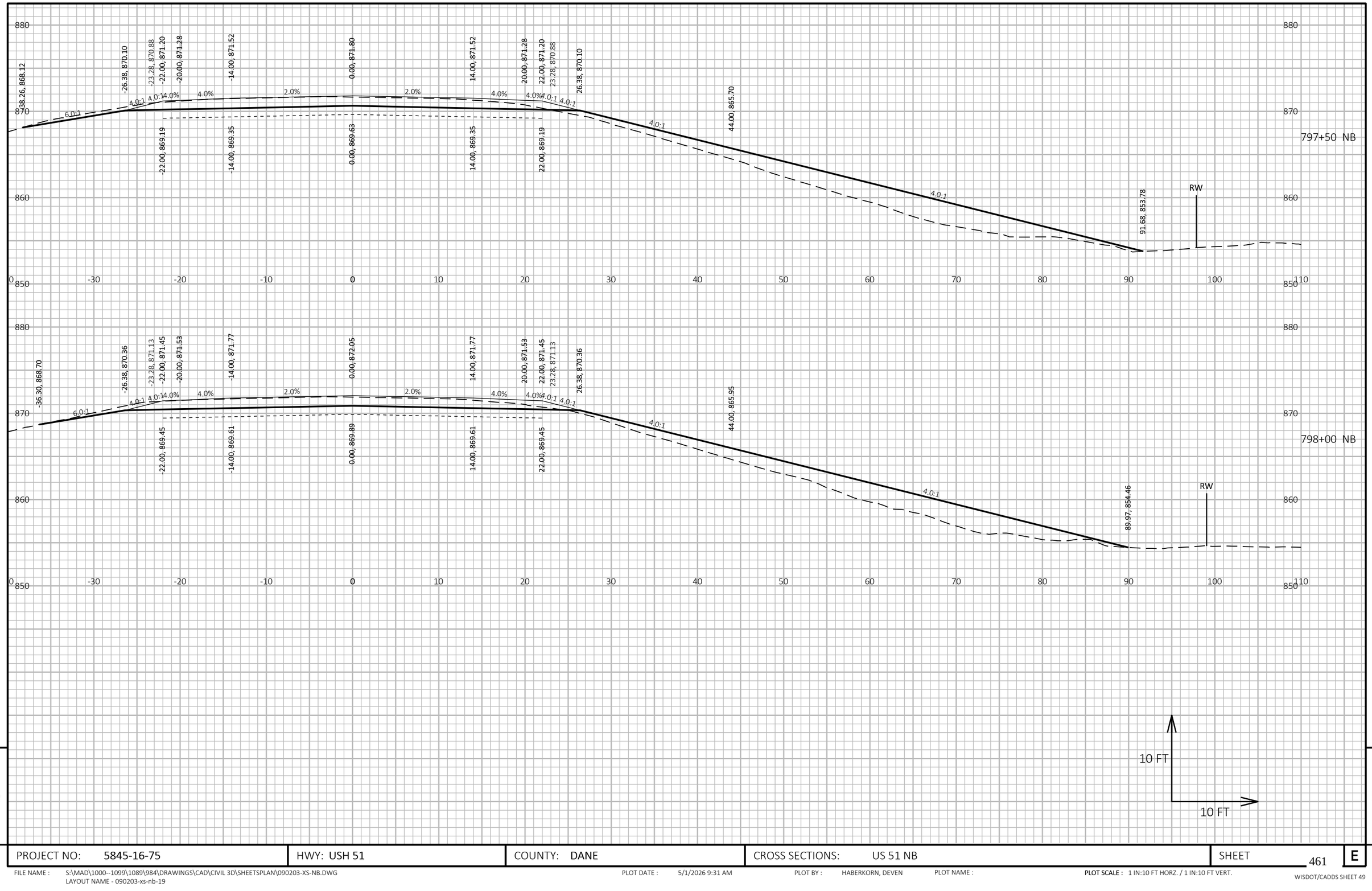
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 460	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-18

PLOT DATE : 5/1/2026 9:31 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

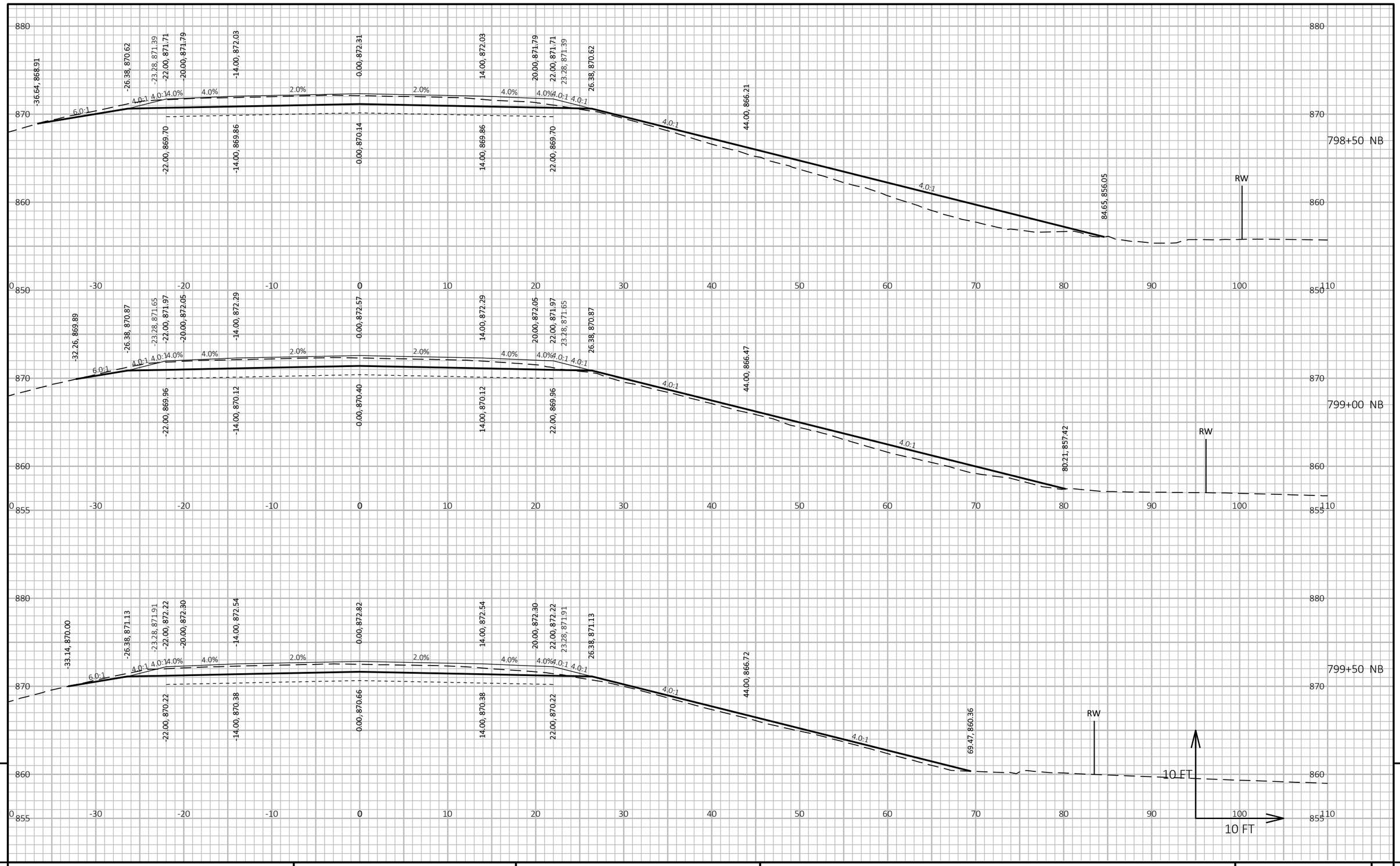


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 461	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-19

PLOT DATE : 5/1/2026 9:31 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



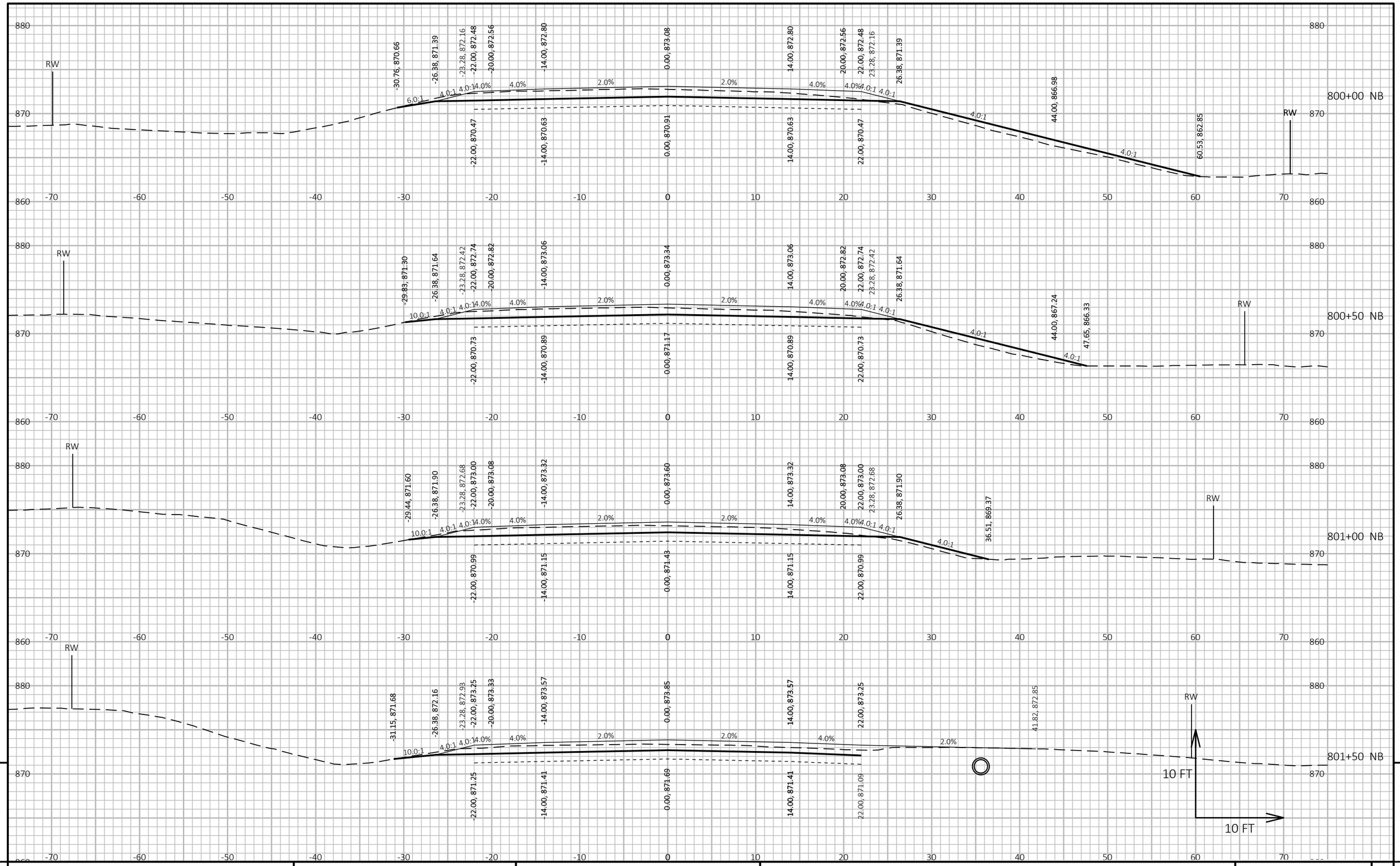
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 462	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-20

PLOT DATE : 5/1/2026 9:32 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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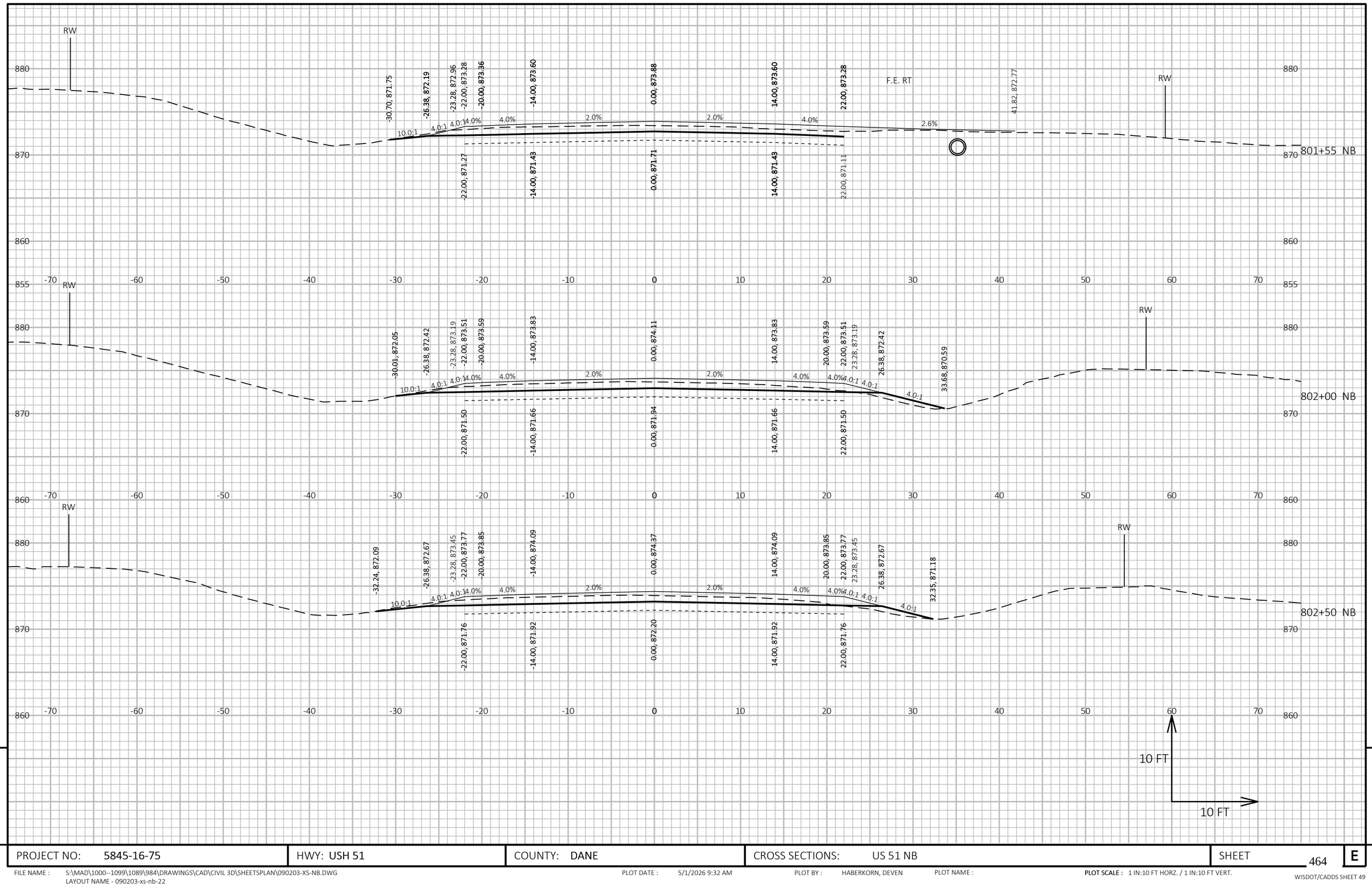
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 463	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-21

PLOT DATE : 5/1/2026 9:32 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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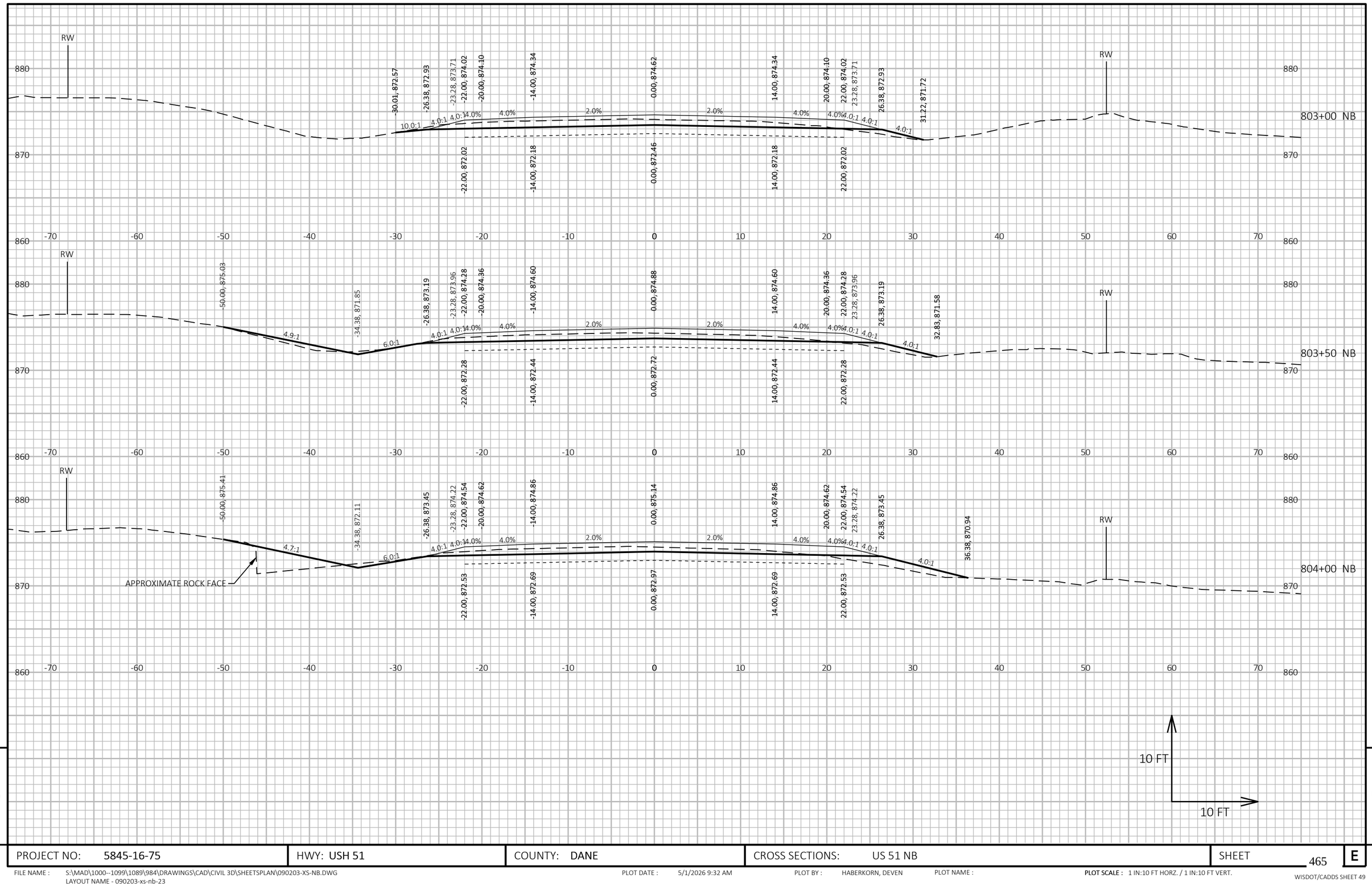
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 464	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-22

PLOT DATE : 5/1/2026 9:32 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 465	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-23

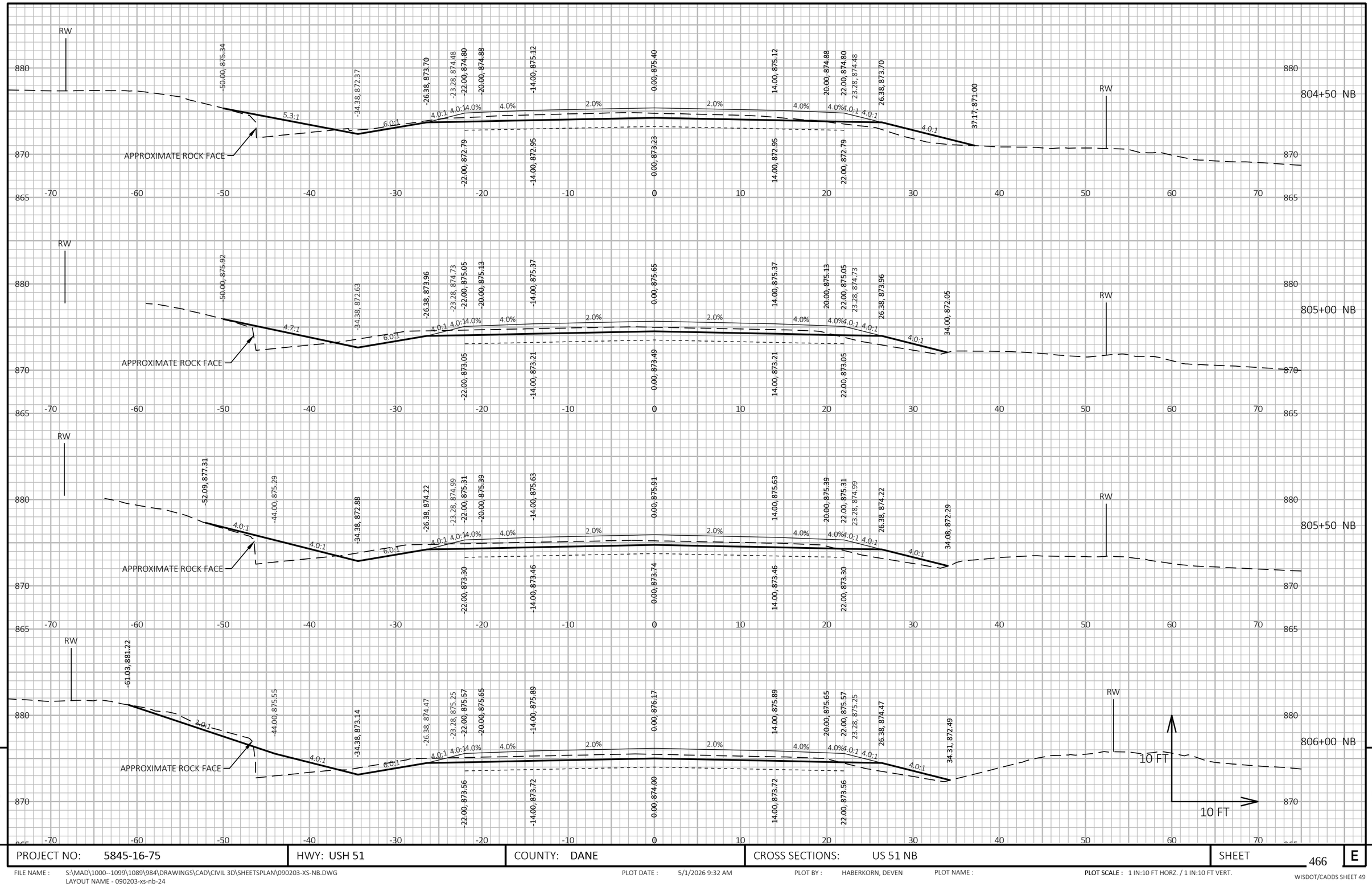
PLOT DATE : 5/1/2026 9:32 AM

PLOT BY : HABERKORN, DEVEN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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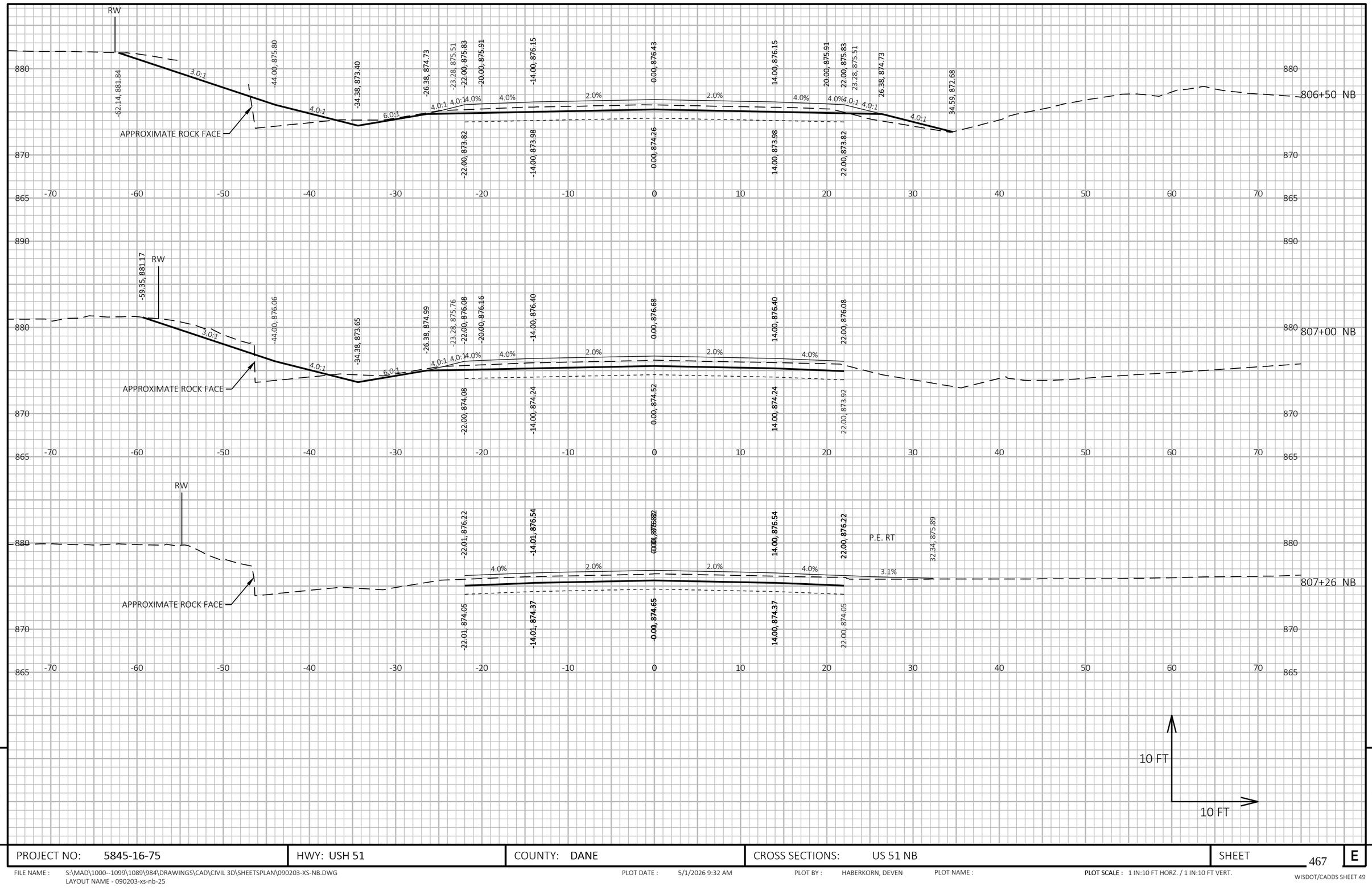
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 466	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-24

PLOT DATE : 5/1/2026 9:32 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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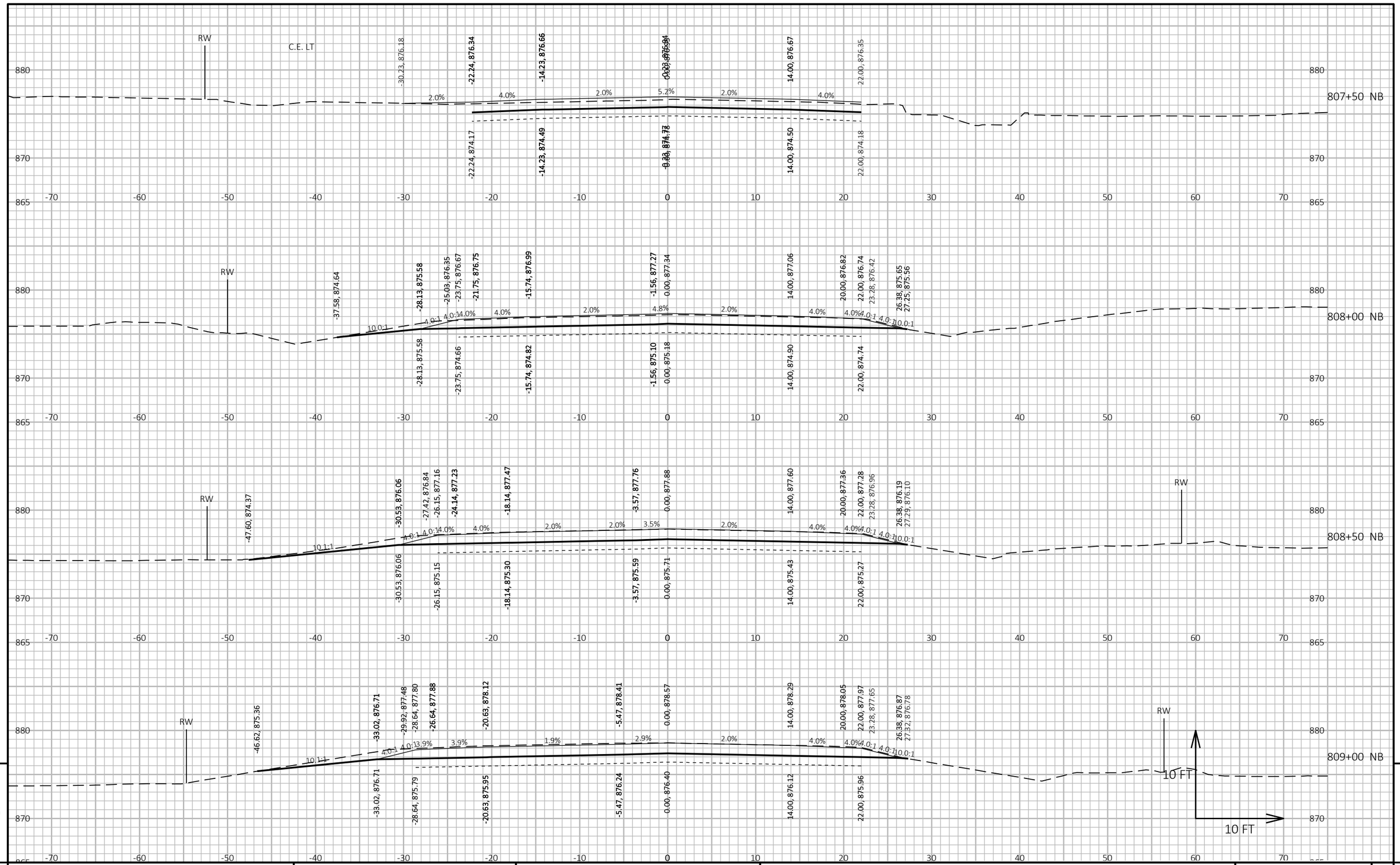
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 467	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-25

PLOT DATE : 5/1/2026 9:32 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

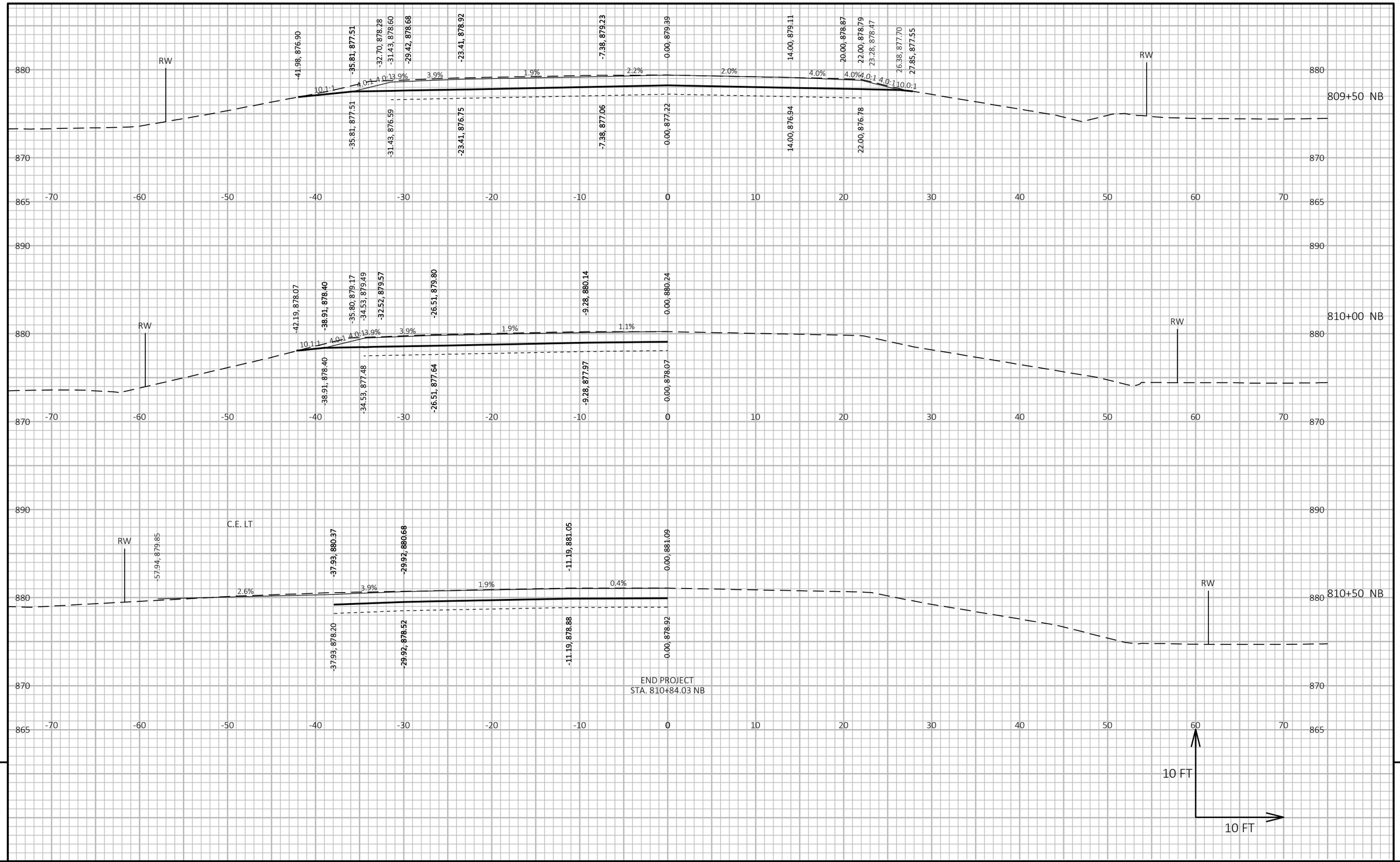


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 468 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-26

PLOT DATE : 5/1/2026 9:32 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 NB	SHEET 469	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090203-XS-NB.DWG
LAYOUT NAME - 090203-xs-nb-27

PLOT DATE : 5/1/2026 9:32 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

BEGIN CONSTRUCTION
STA. 689+23.79 SB

-35.73, 866.92
-27.26, 866.24
0.00, 866.78
-27.26, 864.07
0.00, 864.62
4.0:1
10.0:1
2.0%
689+50 SB

RW
-60.09, 861.19
-44.00, 865.21
-39.16, 866.42
-31.38, 867.72
-30.51, 867.74
-23.37, 867.90
0.00, 868.37
-31.38, 865.58
-23.37, 865.74
0.00, 866.21
4.0:1
6.0:1
2.3%
2.0%
690+00 SB

RW
-73.49, 863.59
-65.17, 861.51
-44.00, 866.80
-35.23, 868.26
-28.37, 869.41
-26.36, 869.49
-20.34, 869.73
0.00, 870.14
-28.37, 867.40
-20.34, 867.56
0.00, 867.97
4.0:1
6.0:1
4.0%
2.0%
690+50 SB

10 FT
10 FT

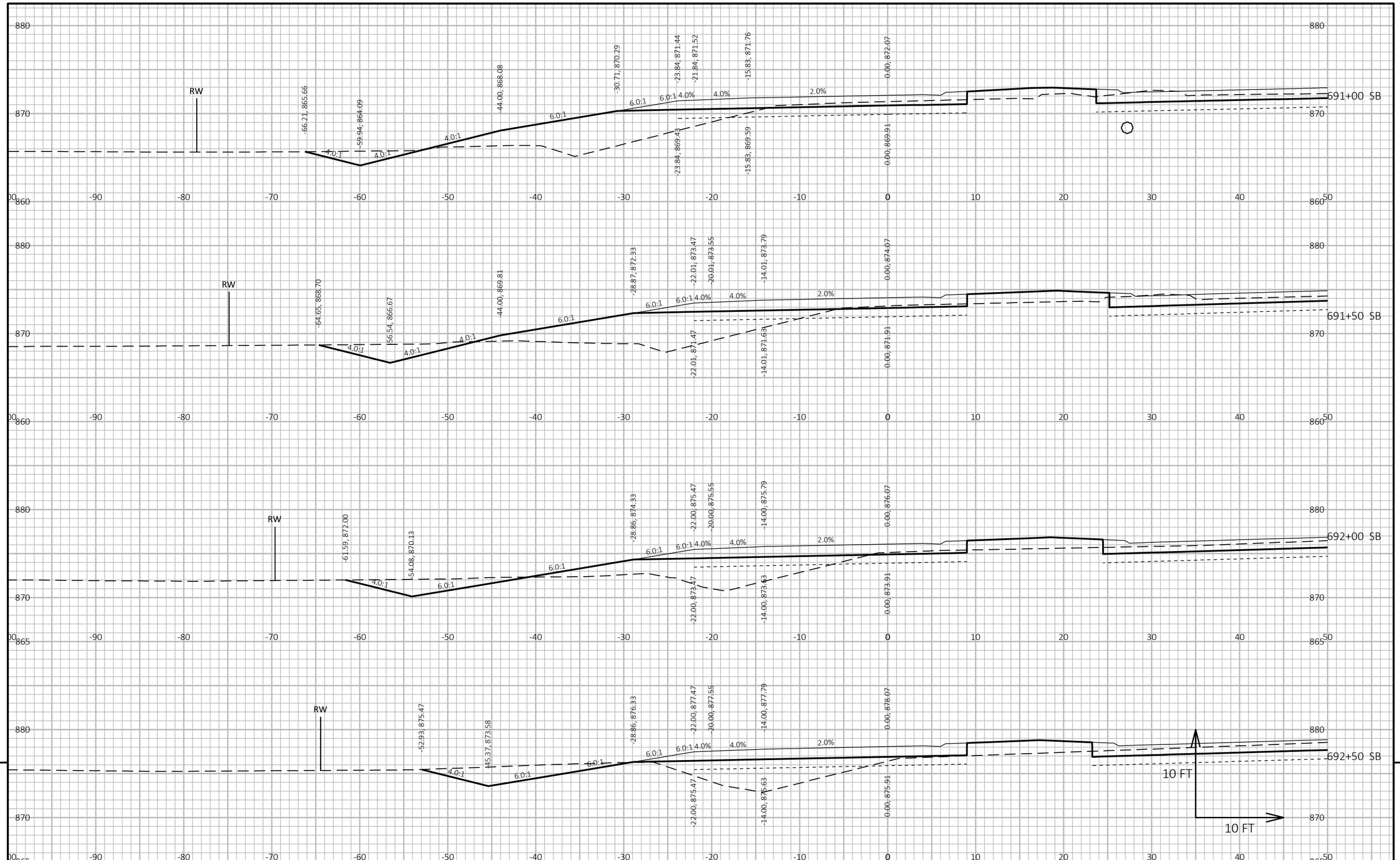
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 SB	SHEET 470	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090204-XS-SB.DWG
LAYOUT NAME - 090204-xs-sb-01

PLOT DATE : 4/24/2026 9:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

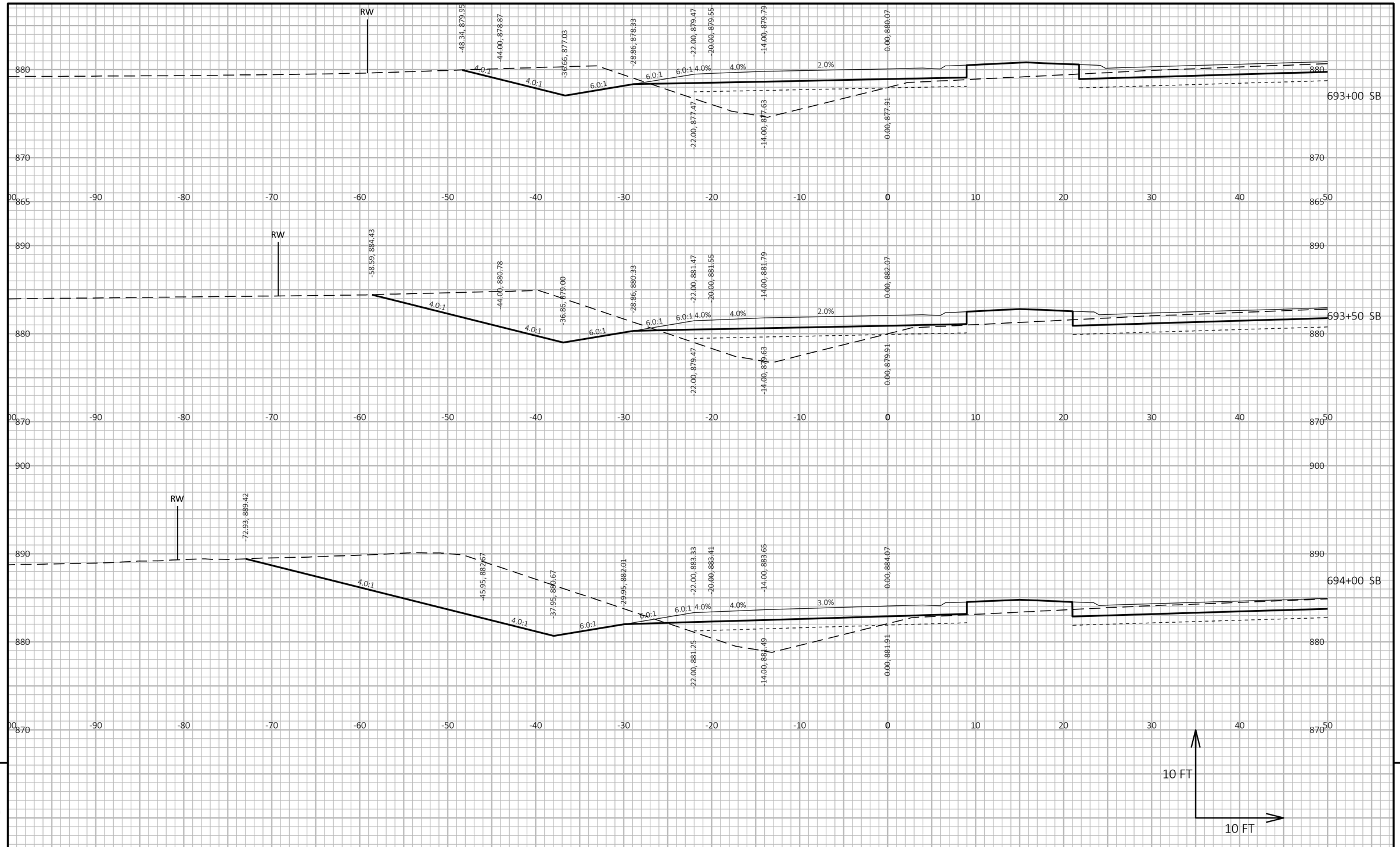
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 SB	SHEET 471	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090204-XS-SB.DWG
LAYOUT NAME - 090204-xs-sb-02

PLOT DATE : 4/24/2026 9:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

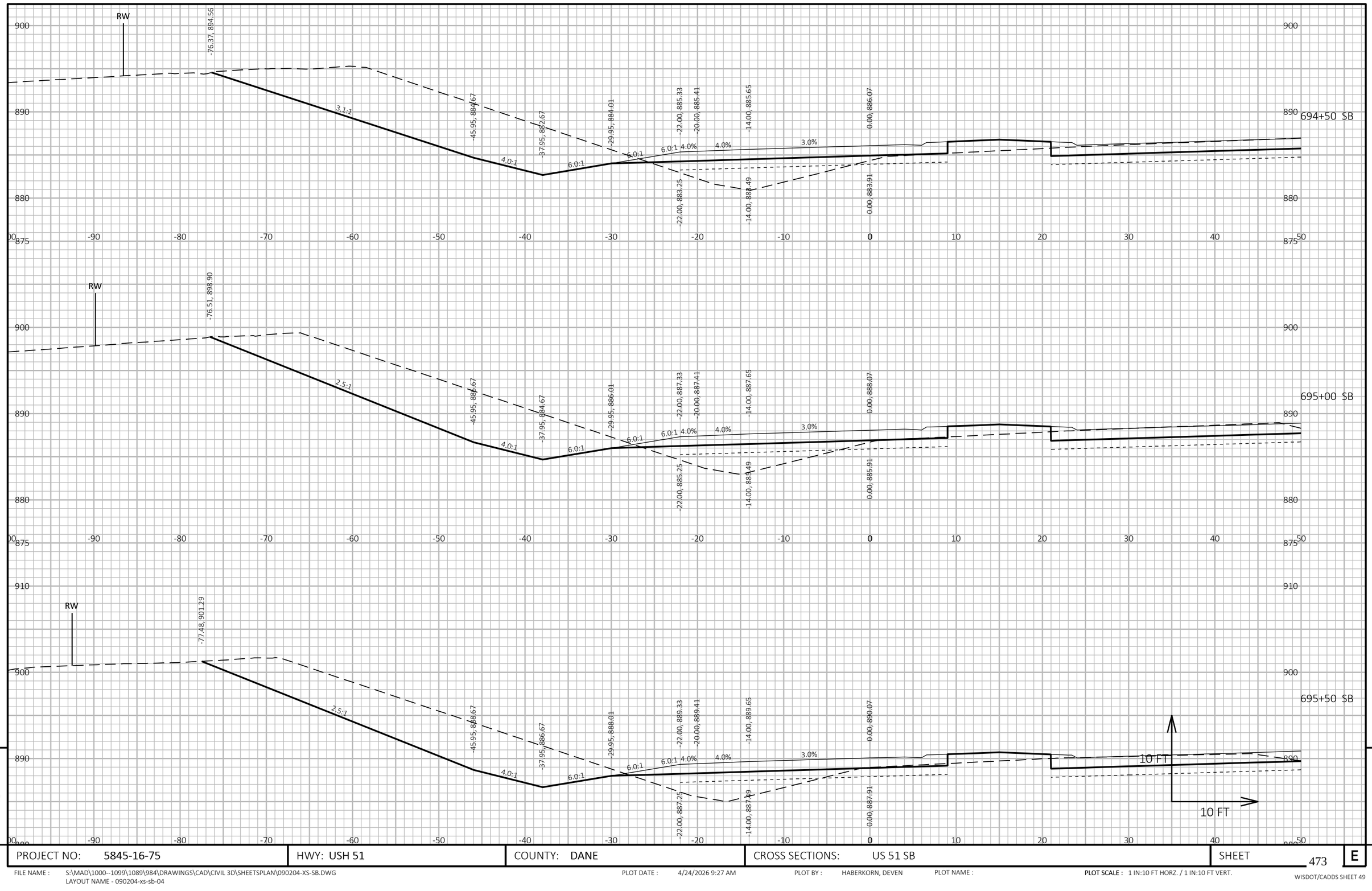
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 SB	SHEET 472	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090204-XS-SB.DWG
LAYOUT NAME - 090204-xs-sb-03

PLOT DATE : 4/24/2026 9:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

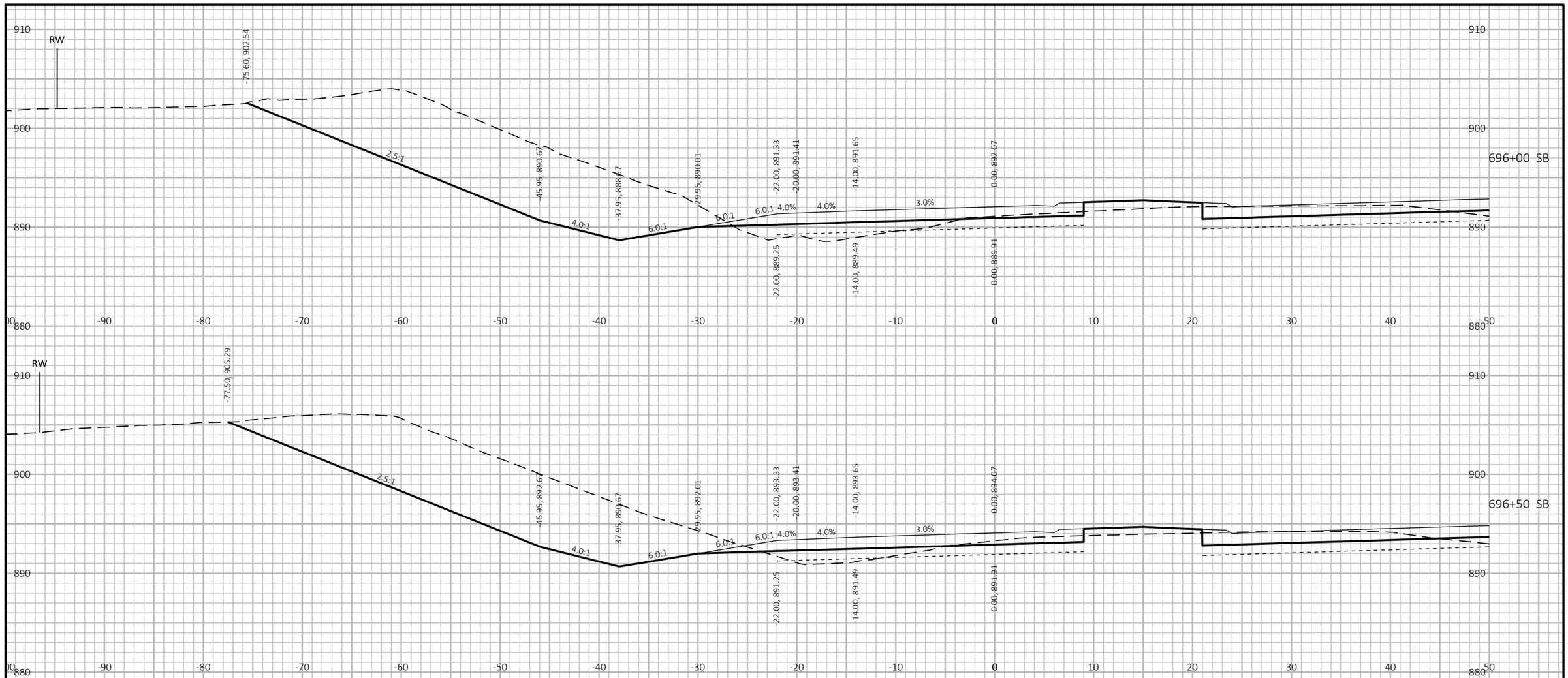


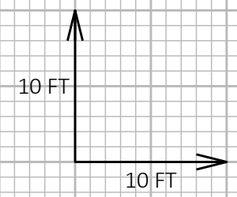
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 SB	SHEET 473	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090204-XS-SB.DWG
LAYOUT NAME - 090204-xs-sb-04

PLOT DATE : 4/24/2026 9:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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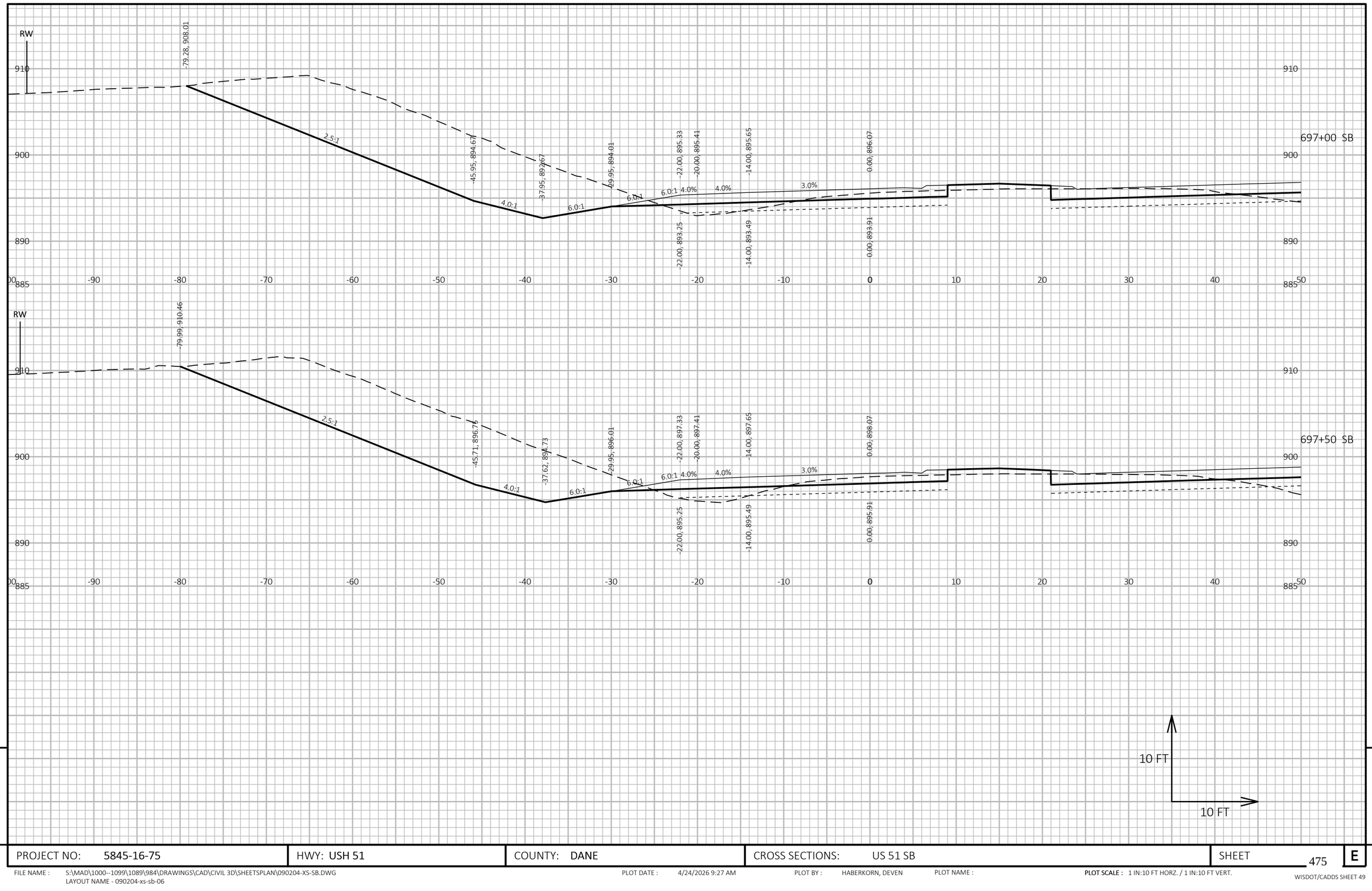
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 SB	SHEET 474	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090204-XS-SB.DWG
LAYOUT NAME - 090204-xs-sb-05

PLOT DATE : 4/24/2026 9:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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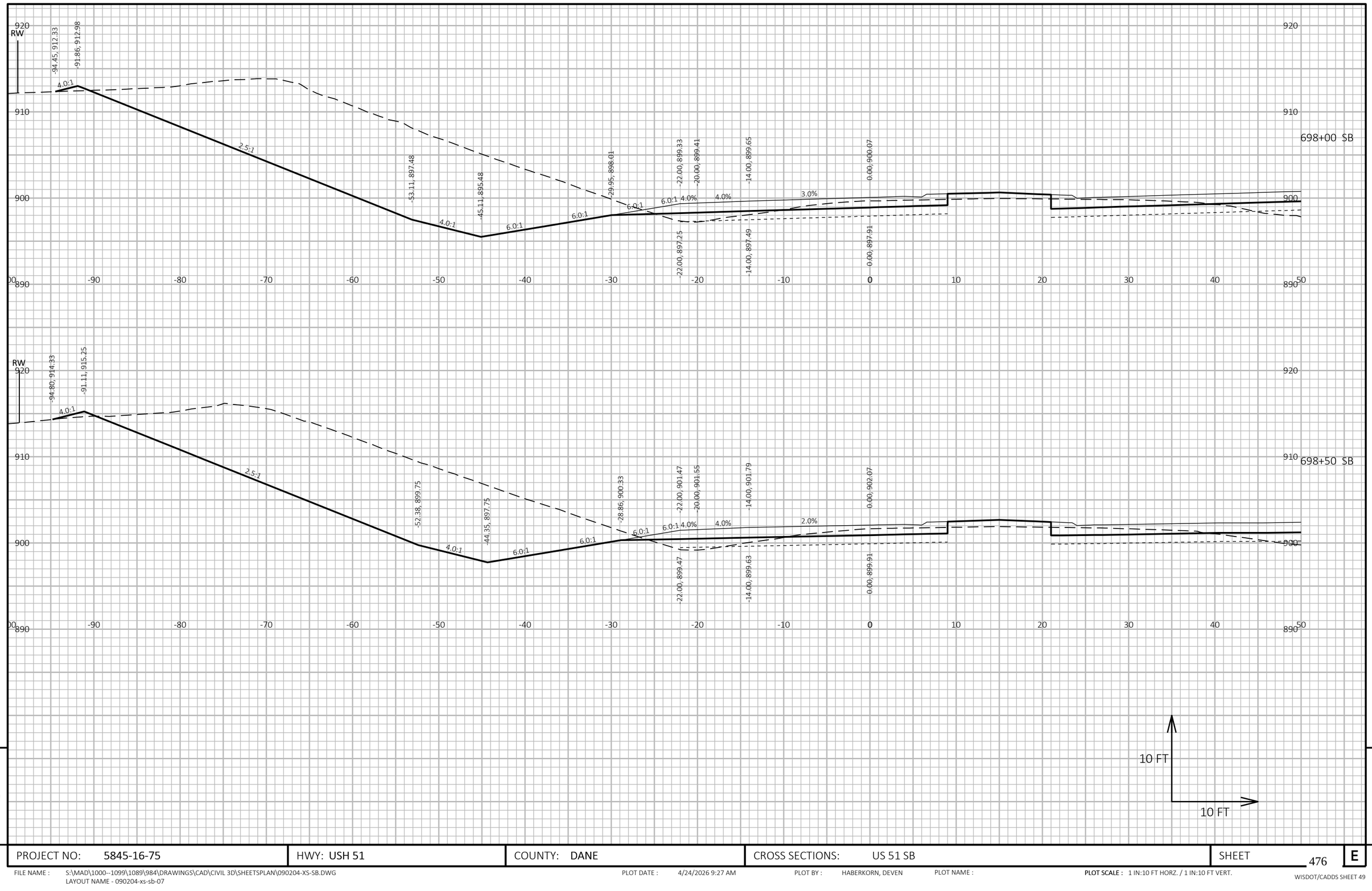
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 SB	SHEET 475	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090204-XS-SB.DWG
LAYOUT NAME - 090204-xs-sb-06

PLOT DATE : 4/24/2026 9:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



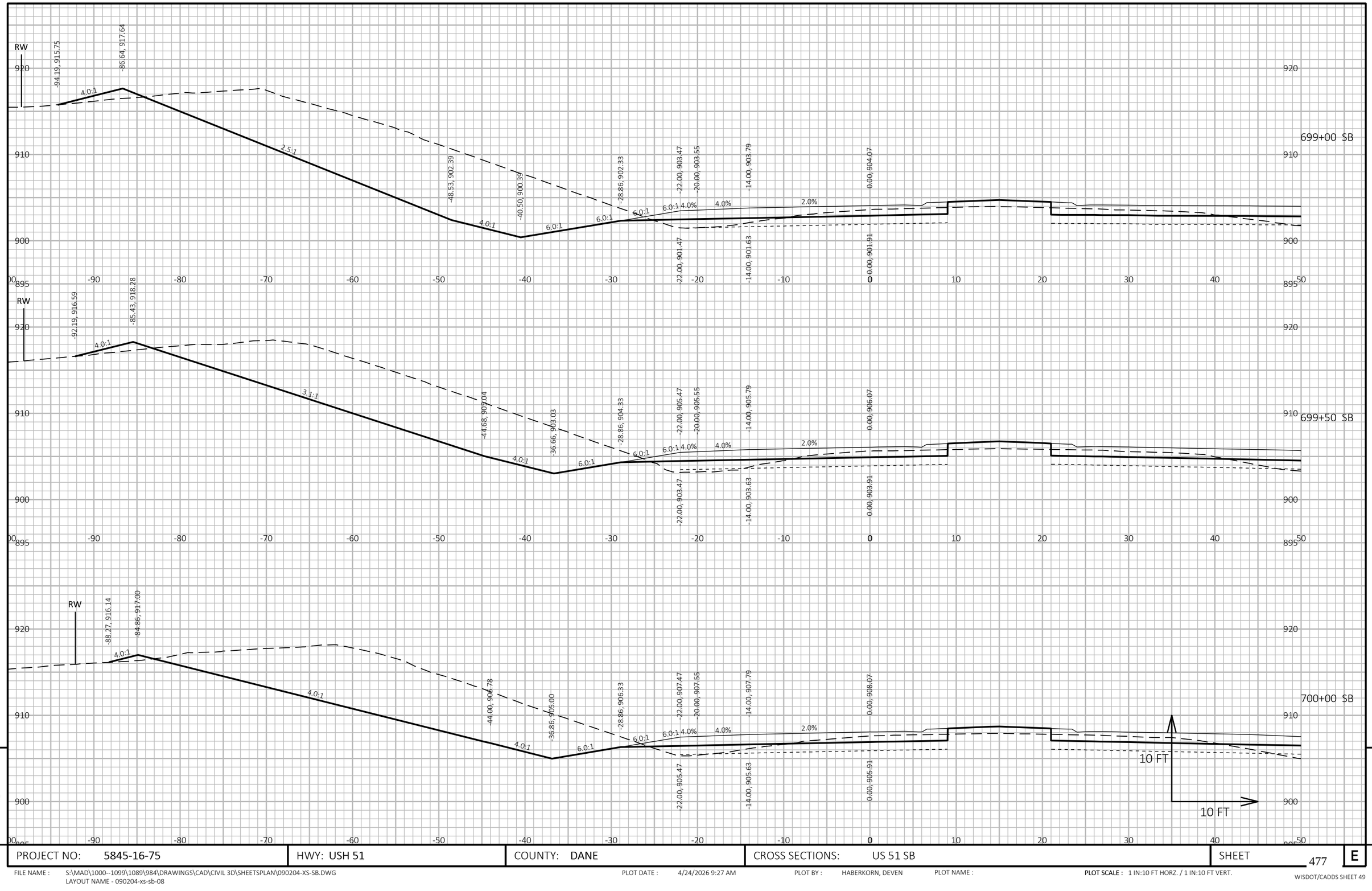
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9

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 SB	SHEET 476	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090204-XS-SB.DWG
LAYOUT NAME - 090204-xs-sb-07

PLOT DATE : 4/24/2026 9:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

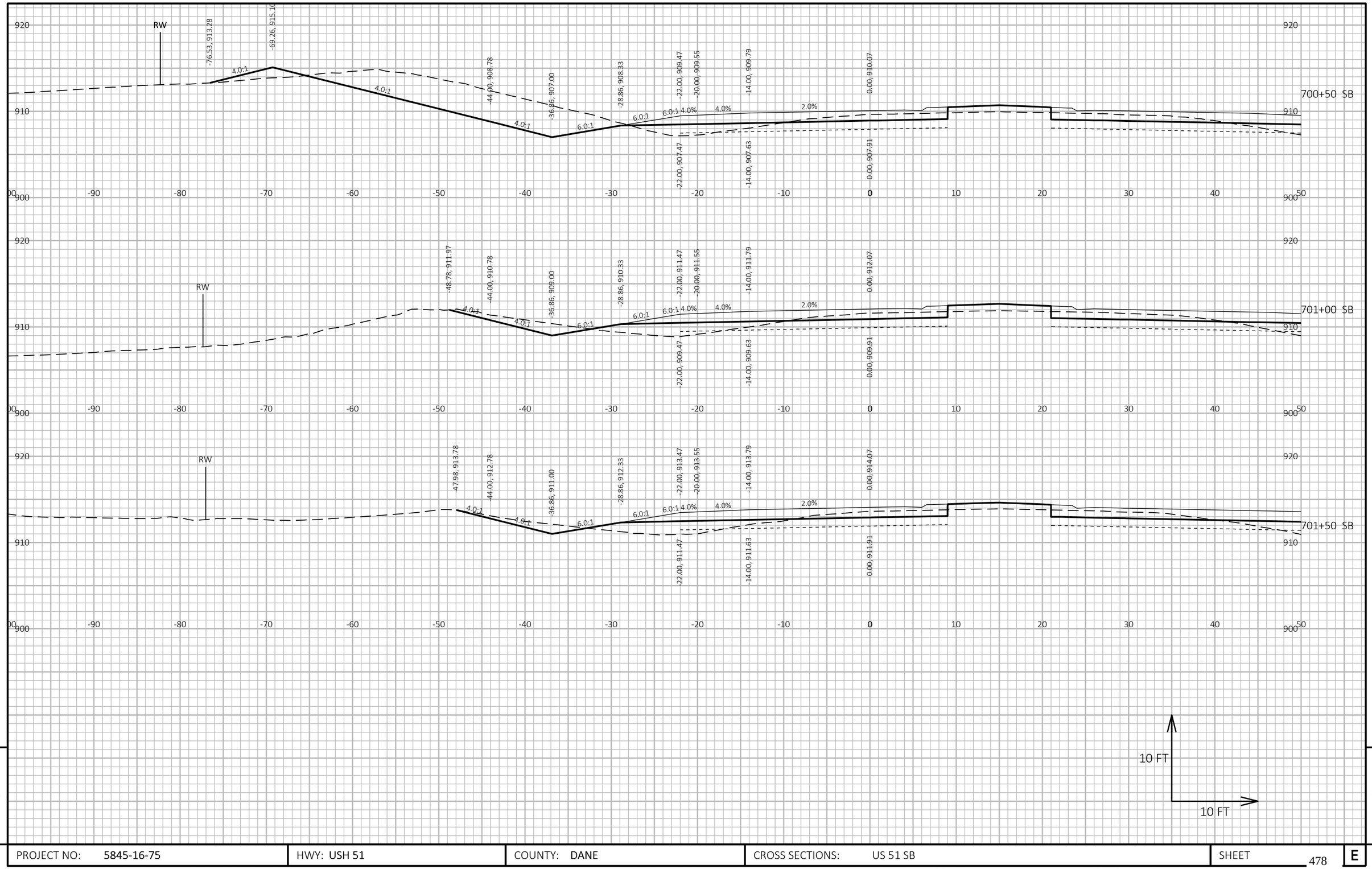


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 SB	SHEET 477	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090204-XS-SB.DWG
LAYOUT NAME - 090204-xs-sb-08

PLOT DATE : 4/24/2026 9:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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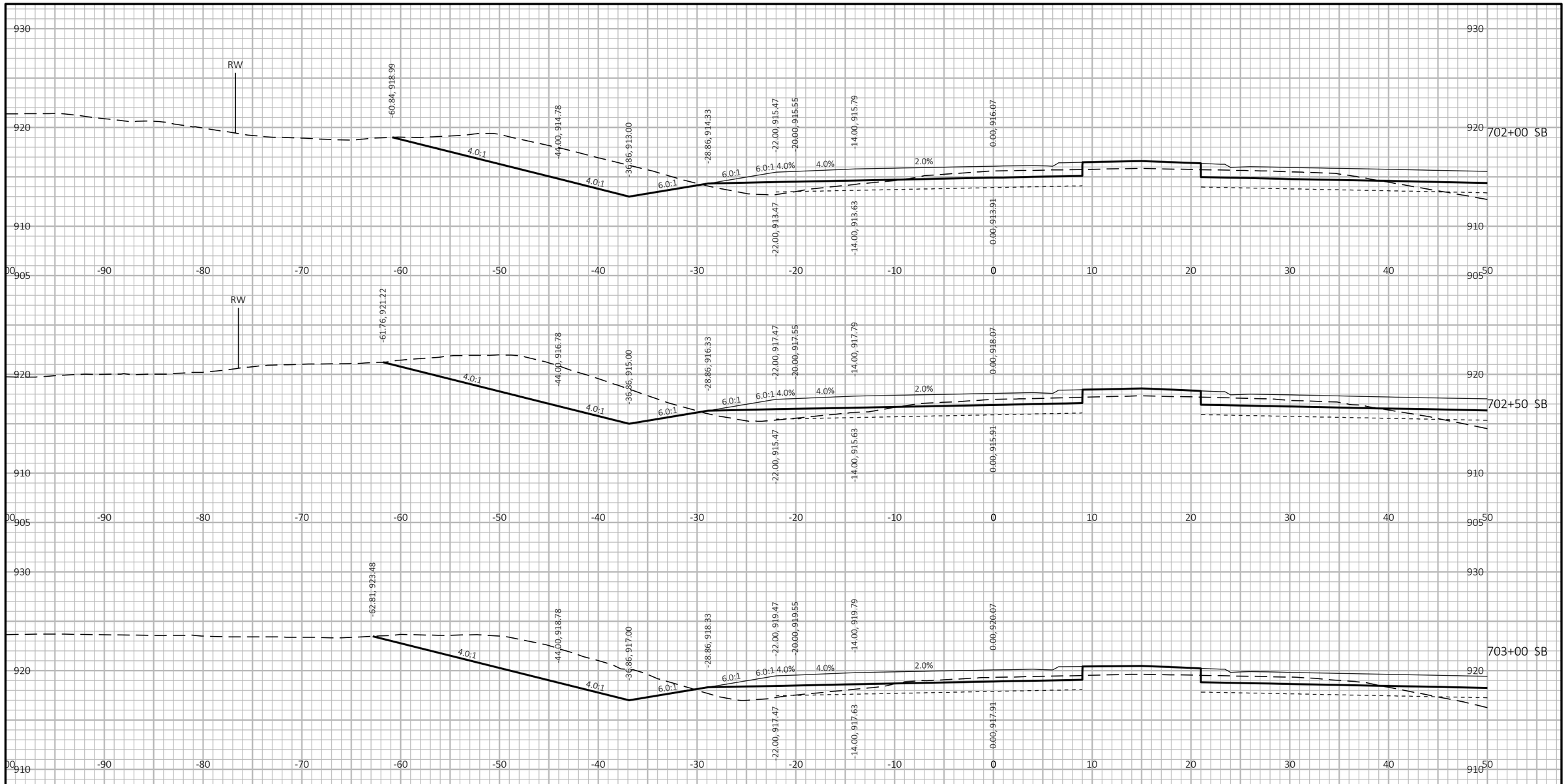
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 SB	SHEET 478	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090204-XS-SB.DWG
LAYOUT NAME - 090204-xs-sb-09

PLOT DATE : 4/24/2026 9:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

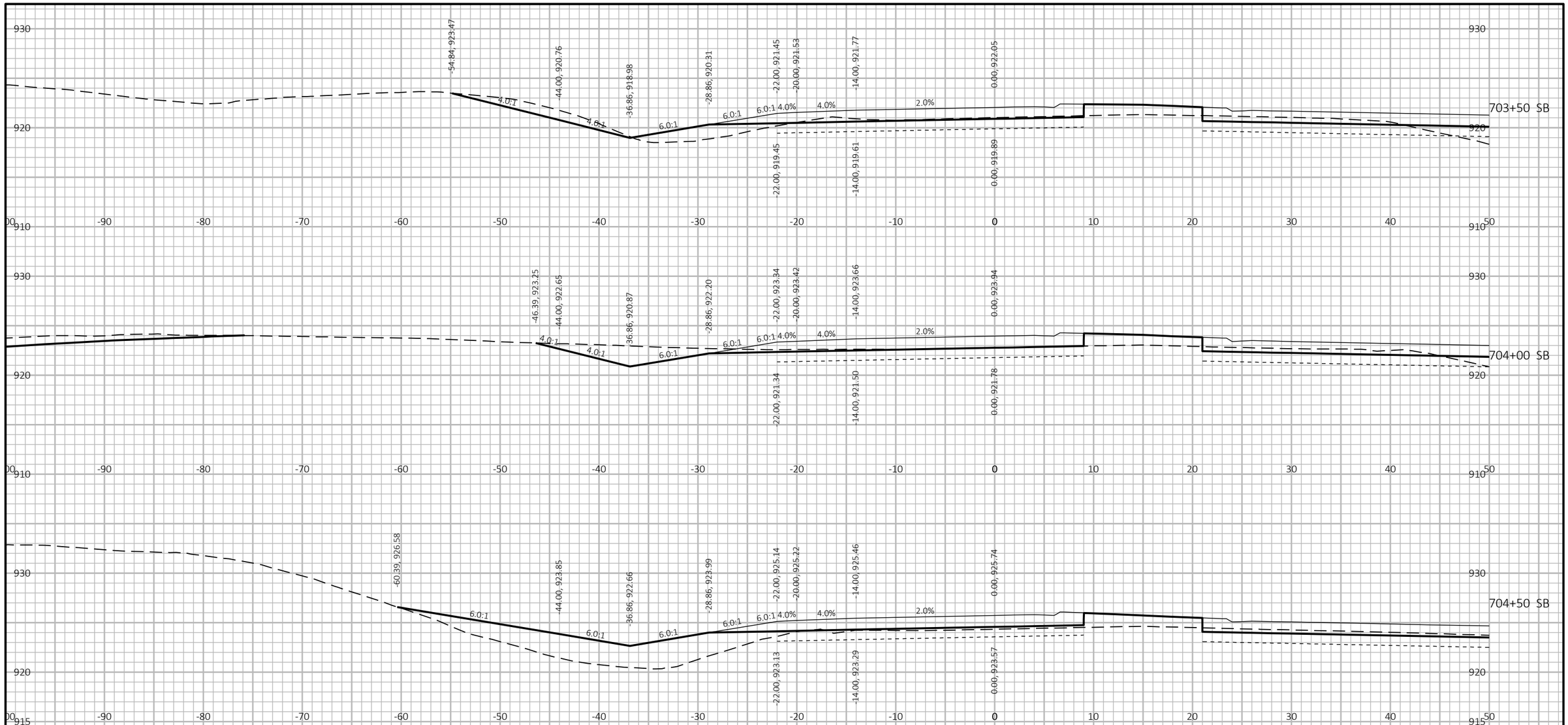
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 SB	SHEET 479	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090204-XS-SB.DWG
LAYOUT NAME - 090204-xs-sb-10

PLOT DATE : 4/24/2026 9:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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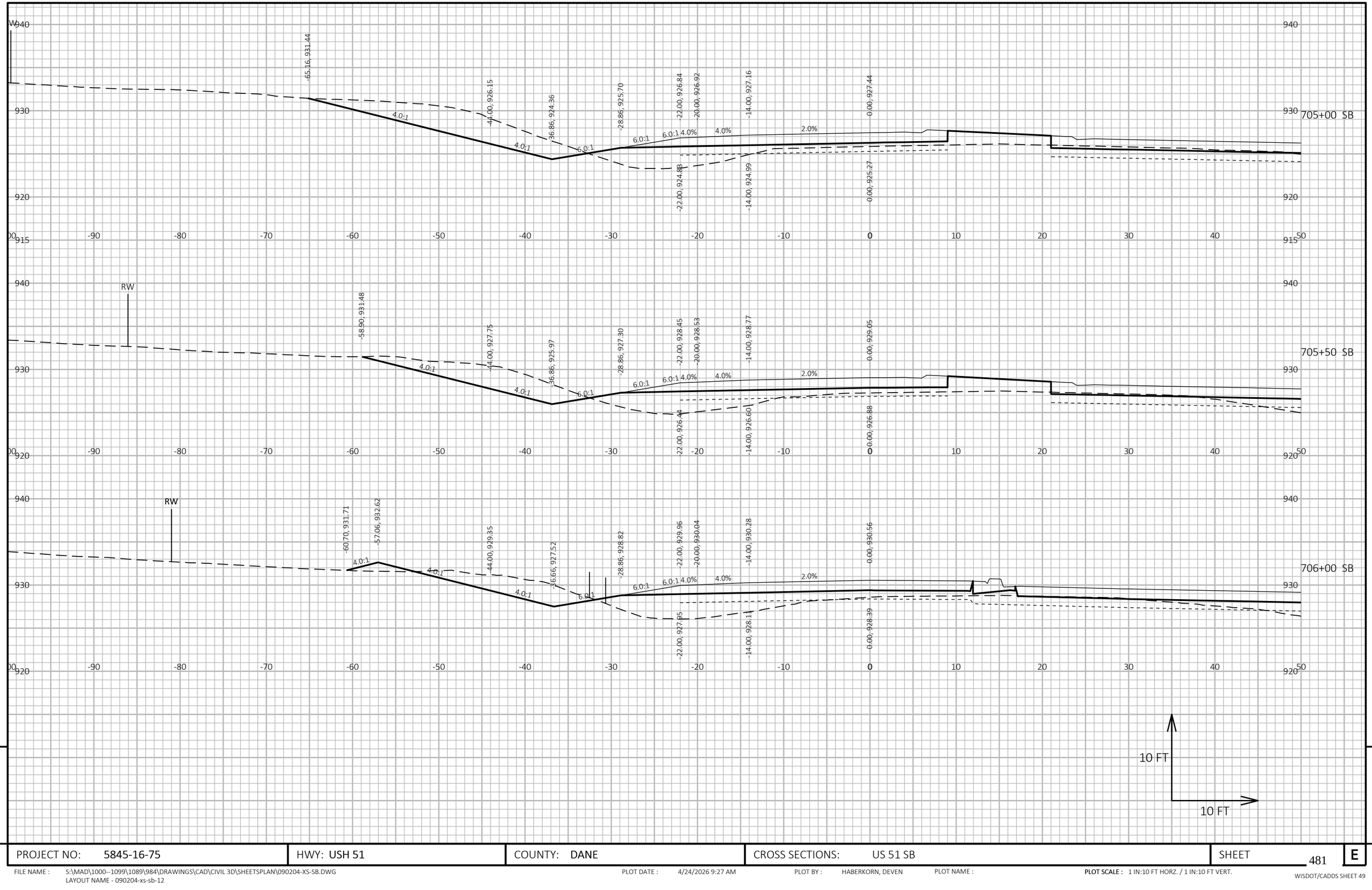
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 SB	SHEET 480	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090204-XS-SB.DWG
LAYOUT NAME - 090204-xs-sb-11

PLOT DATE : 4/24/2026 9:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



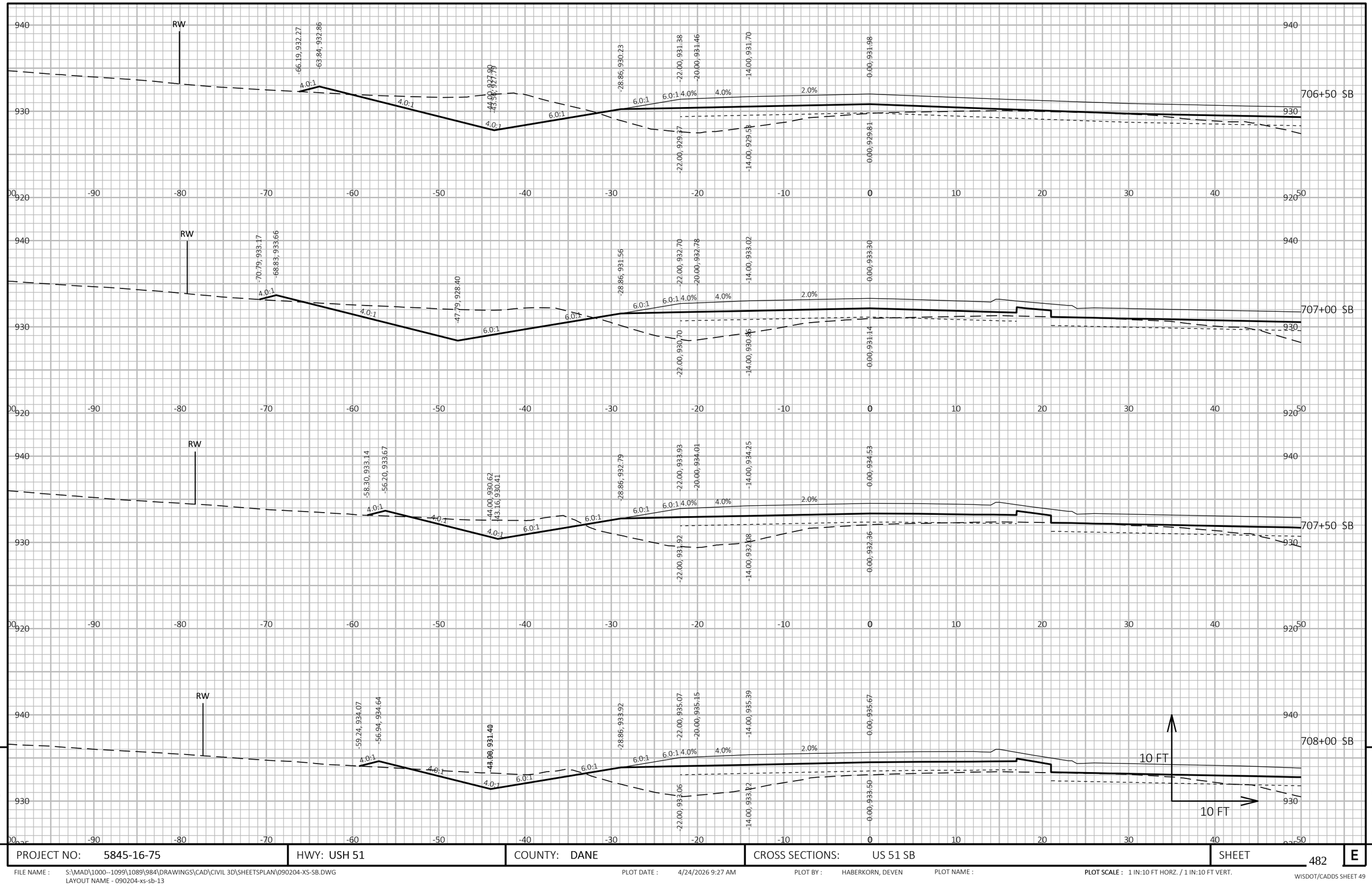
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 SB	SHEET 481	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090204-XS-SB.DWG
LAYOUT NAME - 090204-xs-sb-12

PLOT DATE : 4/24/2026 9:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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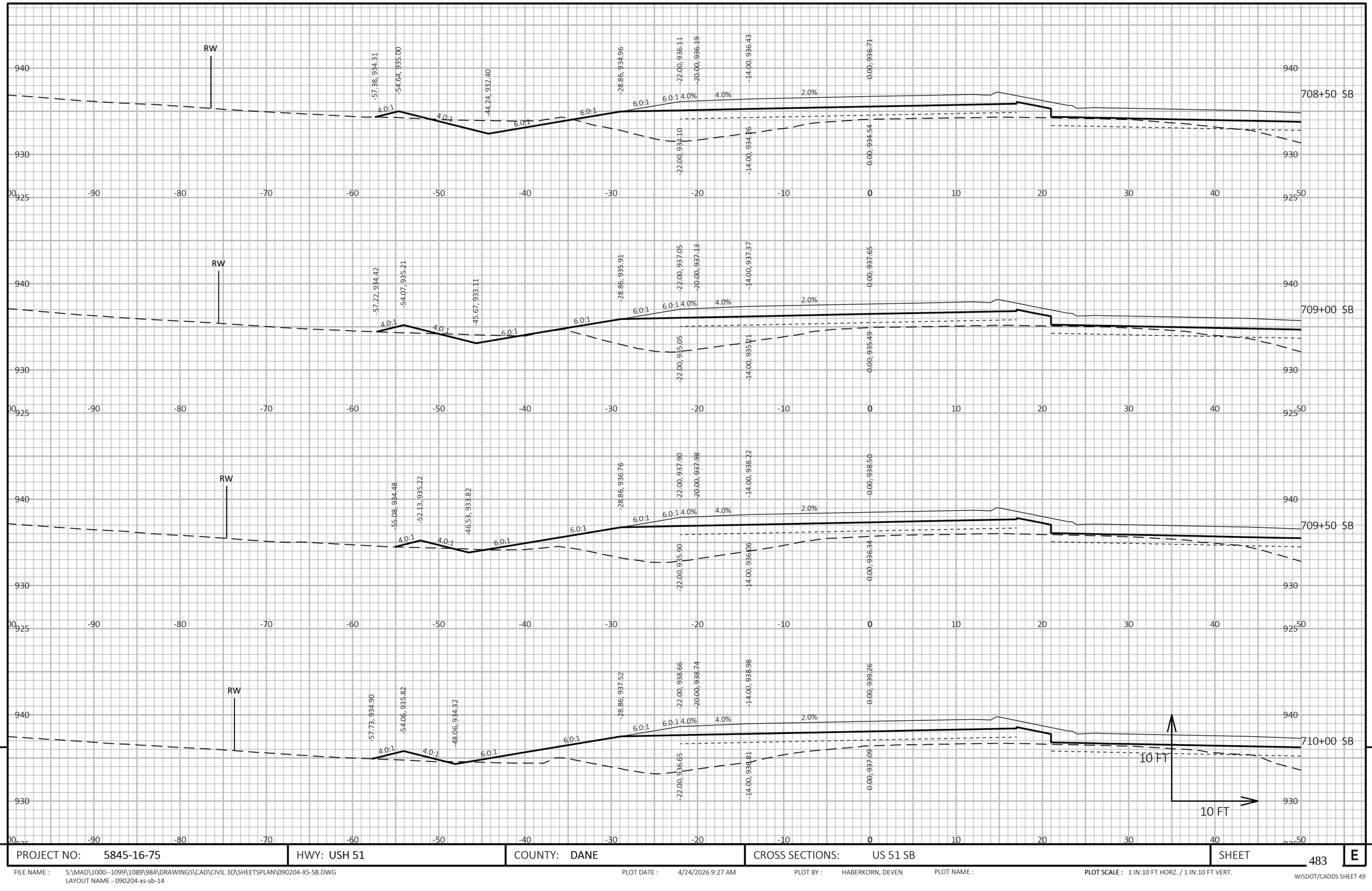
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 SB	SHEET 482	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090204-XS-SB.DWG
LAYOUT NAME - 090204-xs-sb-13

PLOT DATE : 4/24/2026 9:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

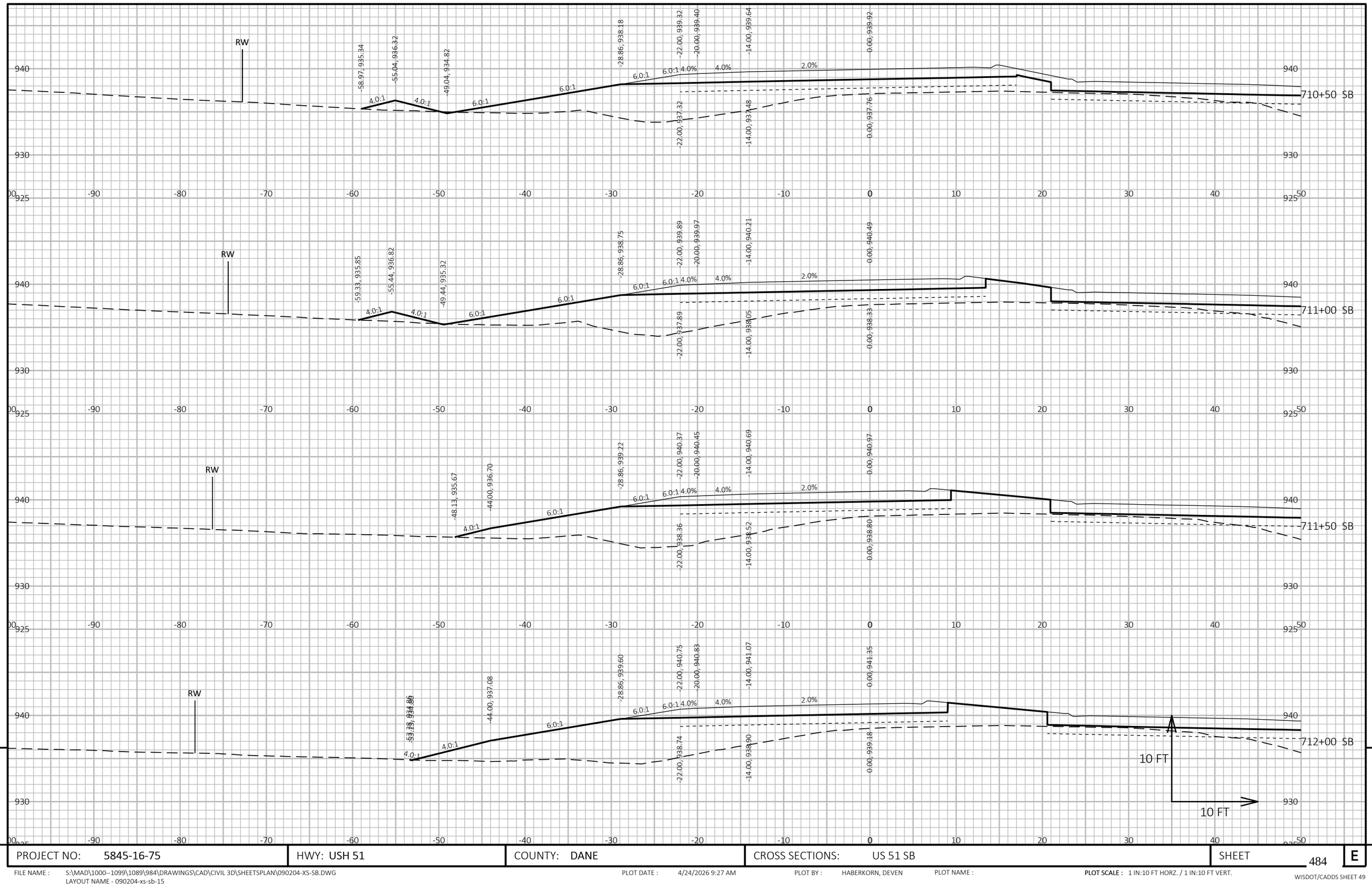
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 SB	SHEET 483	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090204-XS-SB.DWG
LAYOUT NAME - 090204-xs-sb-14

PLOT DATE : 4/24/2026 9:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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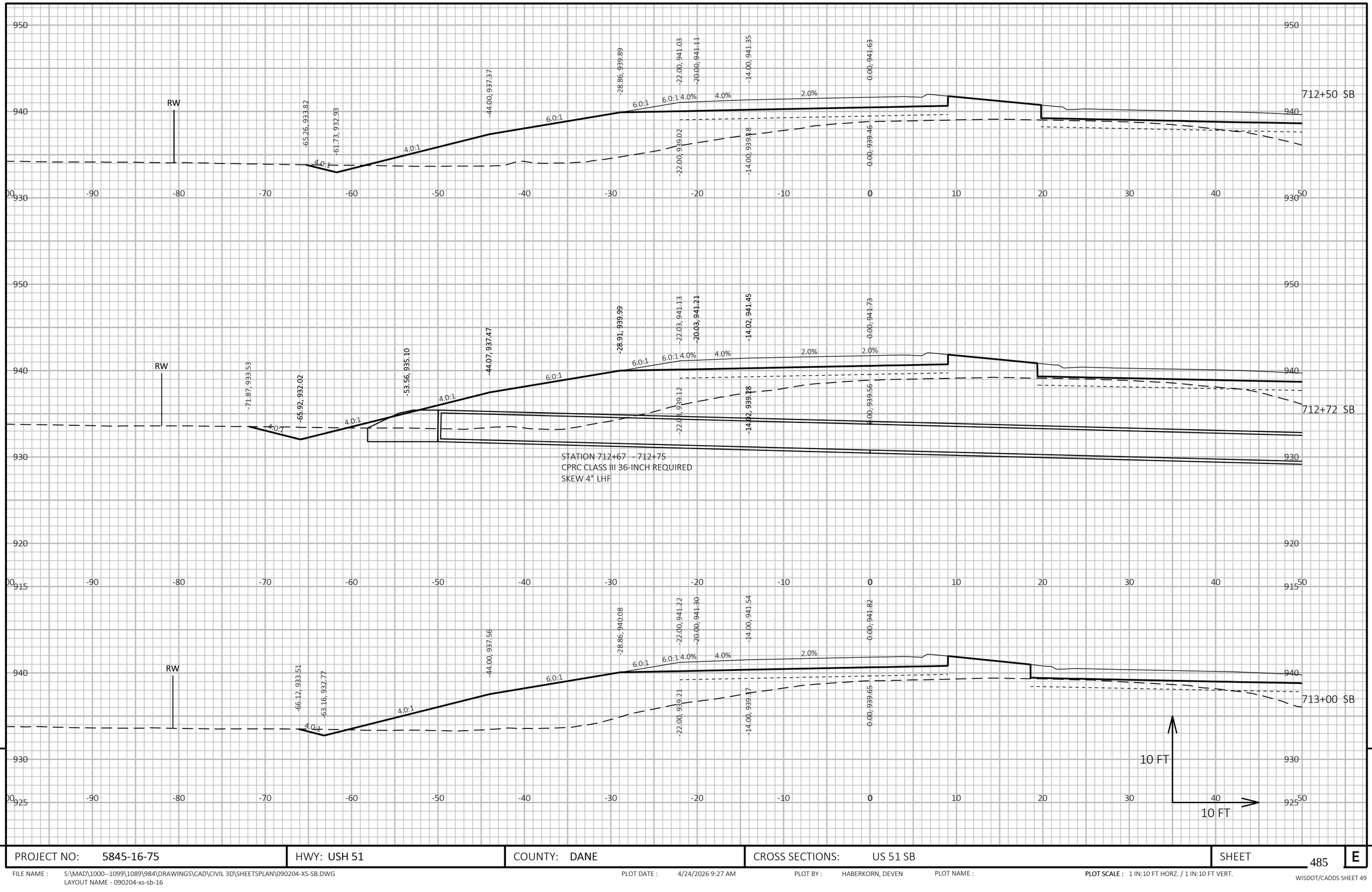
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 SB	SHEET 484	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090204-XS-SB.DWG
LAYOUT NAME - 090204-xs-sb-15

PLOT DATE : 4/24/2026 9:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

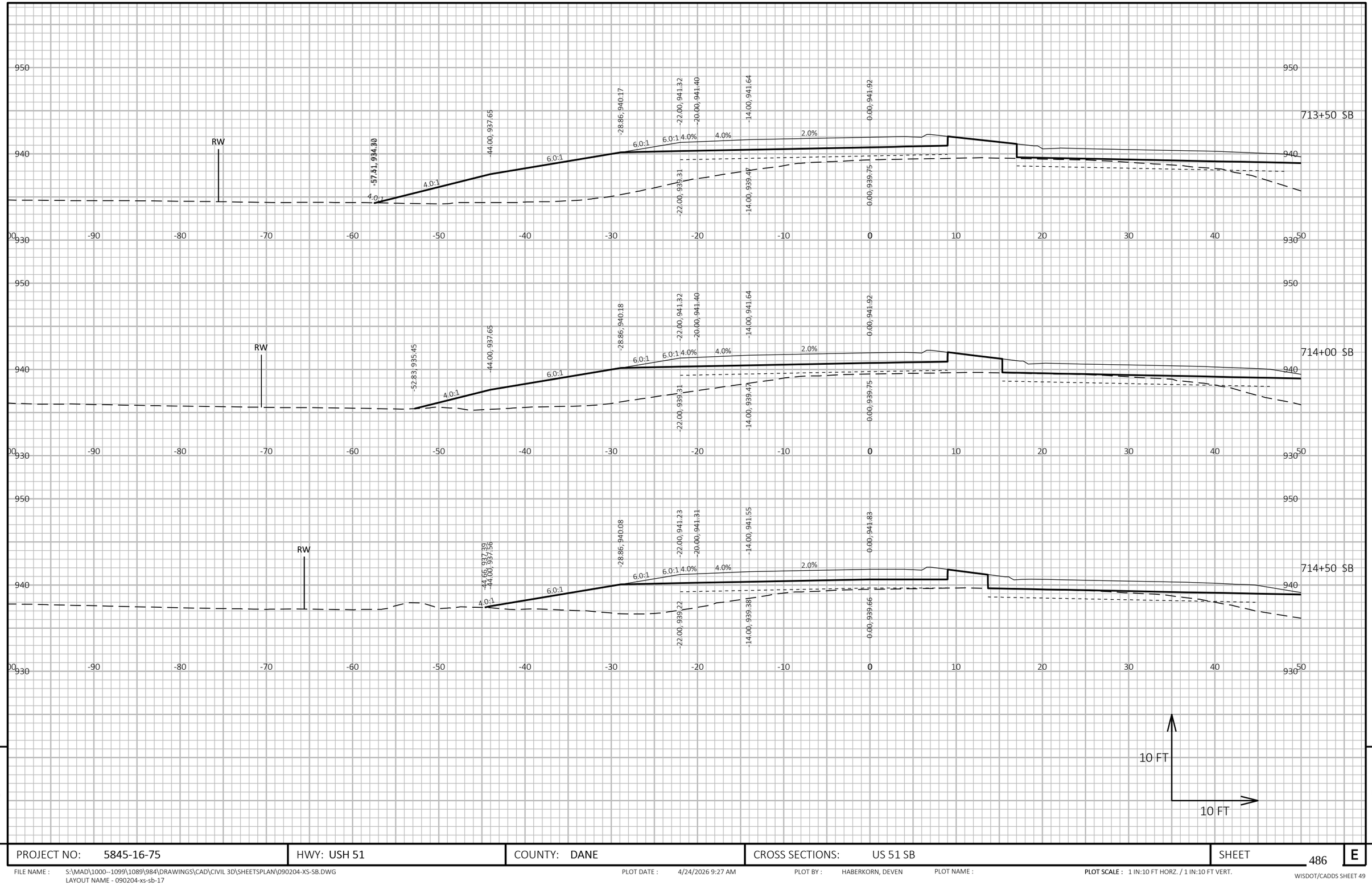


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 SB	SHEET 485	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090204-XS-SB.DWG
LAYOUT NAME - 090204-xs-sb-16

PLOT DATE : 4/24/2026 9:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



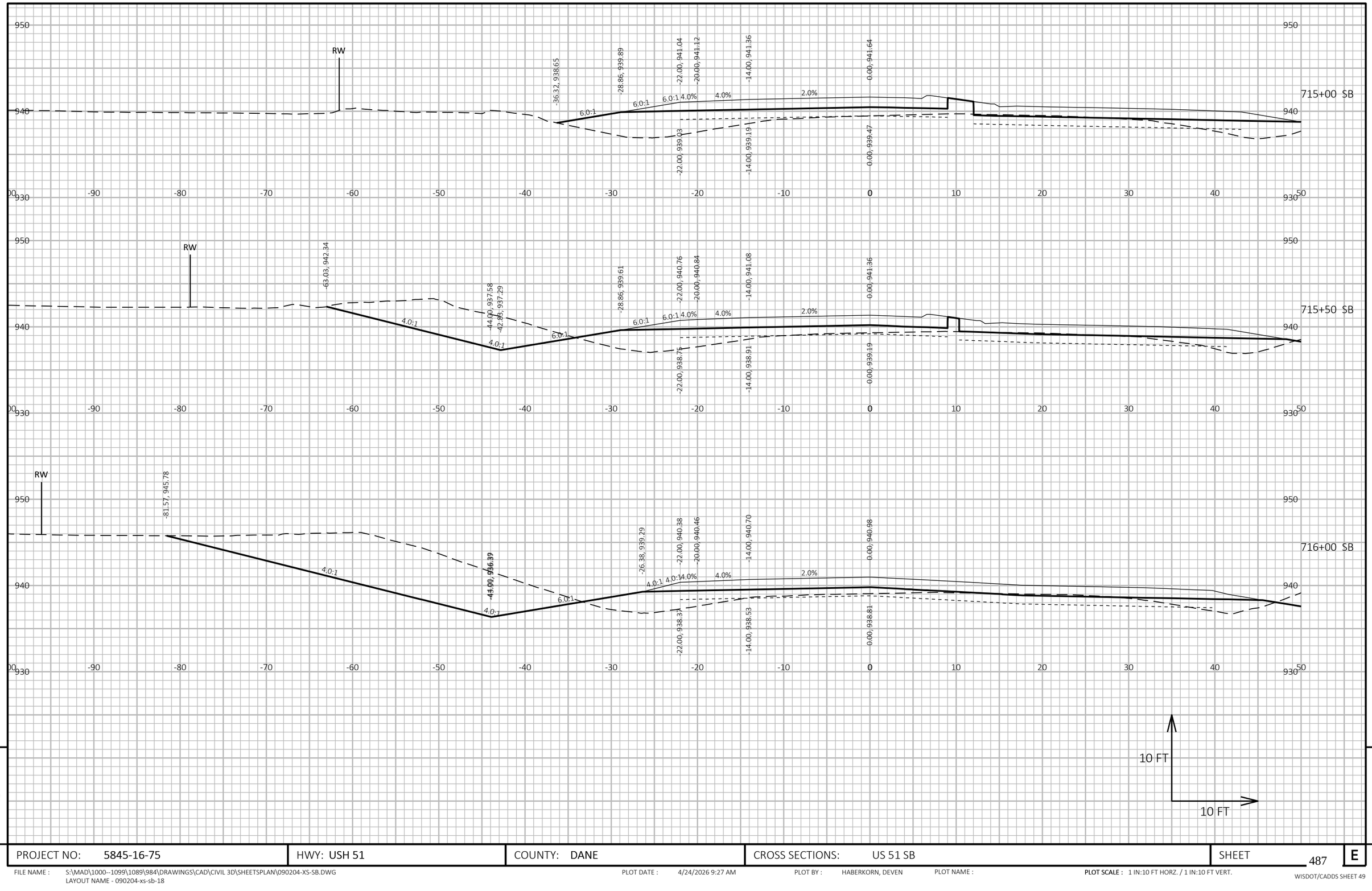
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 SB	SHEET 486	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090204-XS-SB.DWG
LAYOUT NAME - 090204-xs-sb-17

PLOT DATE : 4/24/2026 9:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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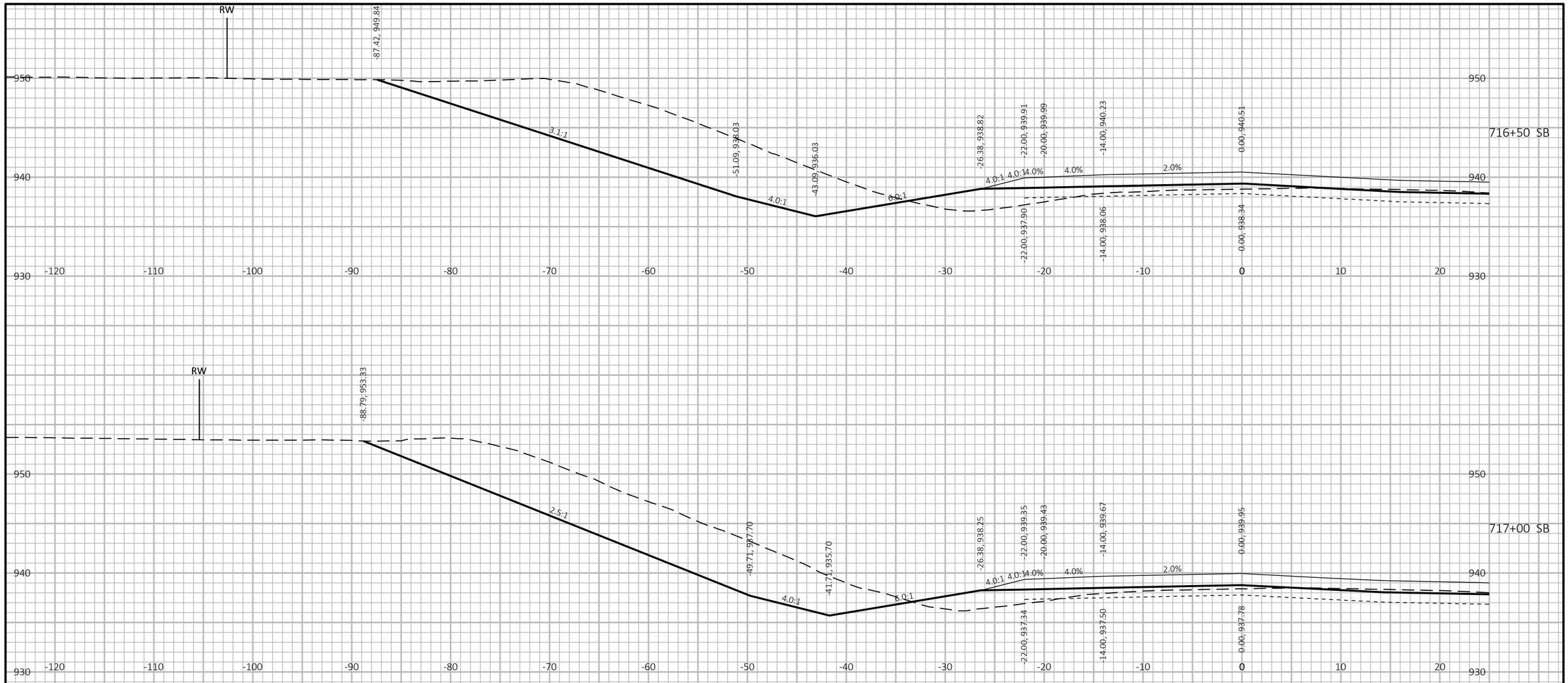
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 SB	SHEET 487	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090204-XS-SB.DWG
LAYOUT NAME - 090204-xs-sb-18

PLOT DATE : 4/24/2026 9:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



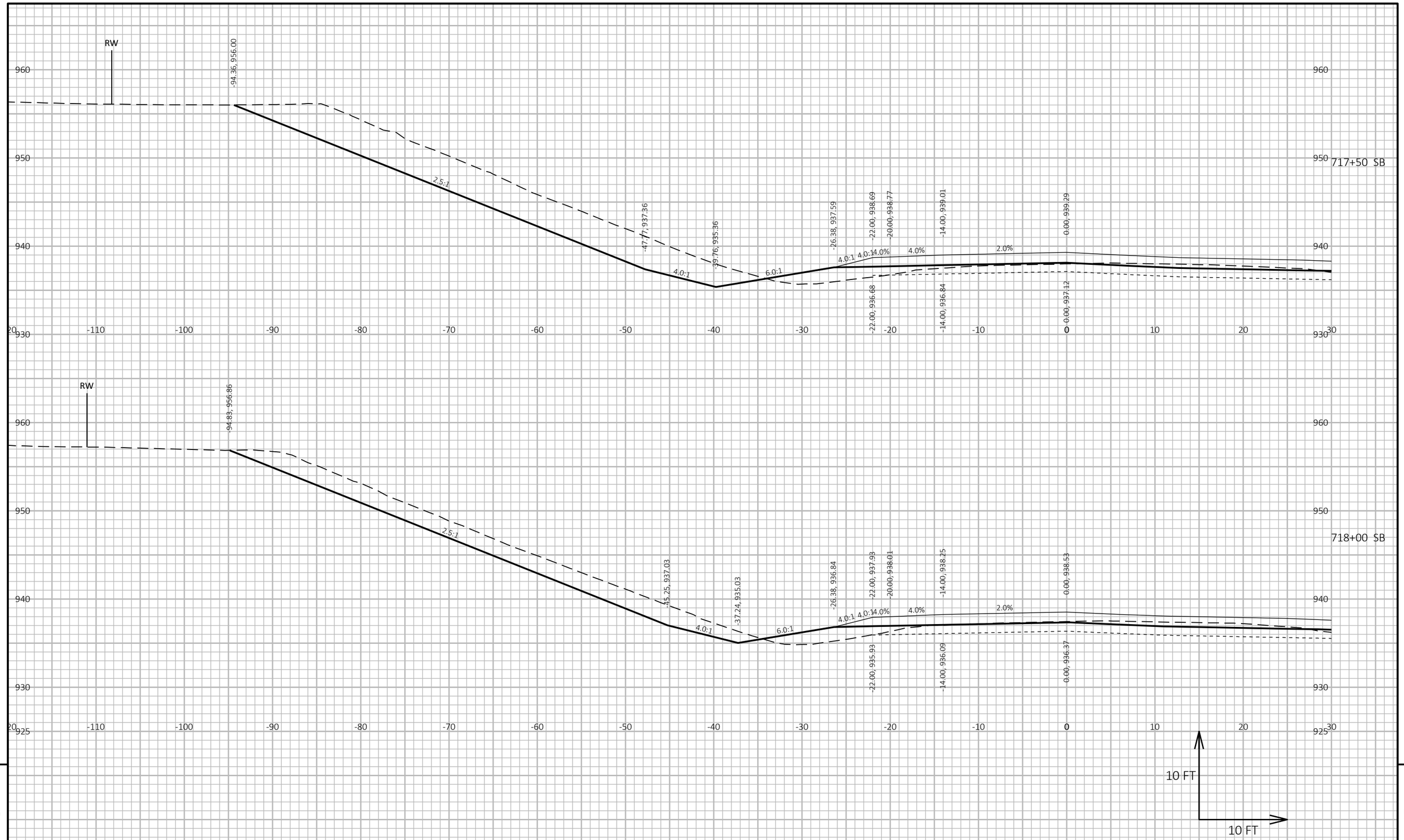
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 SB	SHEET 488	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090204-XS-SB.DWG
LAYOUT NAME - 090204-xs-sb-19

PLOT DATE : 4/24/2026 9:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 SB	SHEET 489	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090204-XS-SB.DWG
LAYOUT NAME - 090204-xs-sb-20

PLOT DATE : 4/24/2026 9:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

RW

-89.28, 955.26

960
950
940
930
925

-110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30

2.5:1

4.0:1

-44.00, 937.15

-34.16, 934.69

6.0:1

-26.38, 935.99

4.0:1

4.0:1

4.0%

-22.00, 937.08

-20.00, 937.16

4.0%

2.0%

-14.00, 937.40

0.00, 937.68

-22.00, 935.08

-14.00, 935.24

0.00, 935.52

718+50 SB

RW

-92.81, 951.78

960
950
940
930
925

-110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30

3.1:1

4.0:1

-44.00, 935.92

-34.85, 933.64

6.0:1

-26.38, 935.05

6.0:1

4.0:1

4.0%

-22.00, 936.14

-20.00, 936.22

4.0%

2.0%

-14.00, 936.46

0.00, 936.74

-22.00, 934.13

-14.00, 934.29

0.00, 934.57

719+00 SB

10 FT

10 FT

9

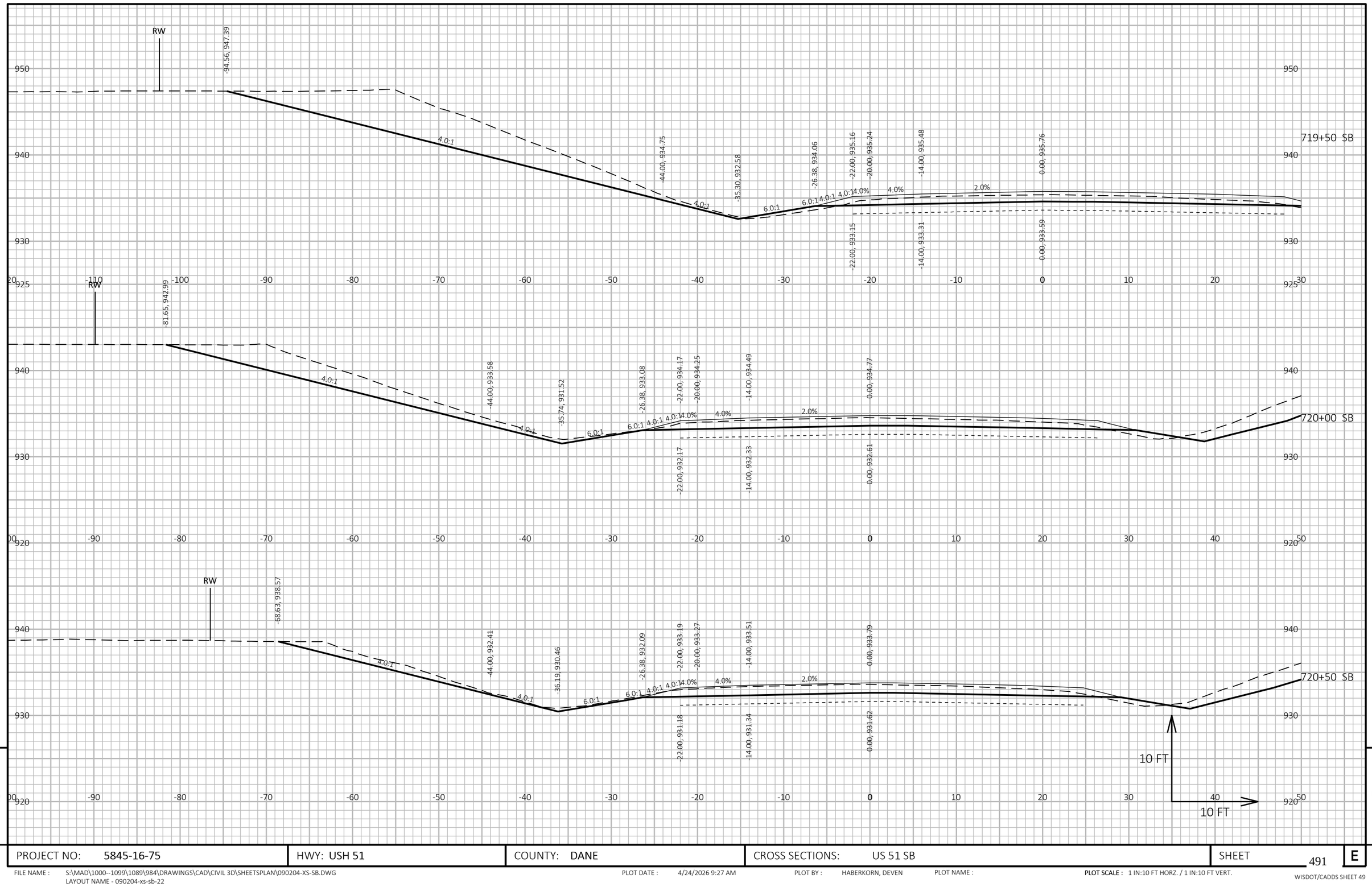
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 SB	SHEET 490	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090204-XS-SB.DWG
LAYOUT NAME - 090204-xs-sb-21

PLOT DATE : 4/24/2026 9:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

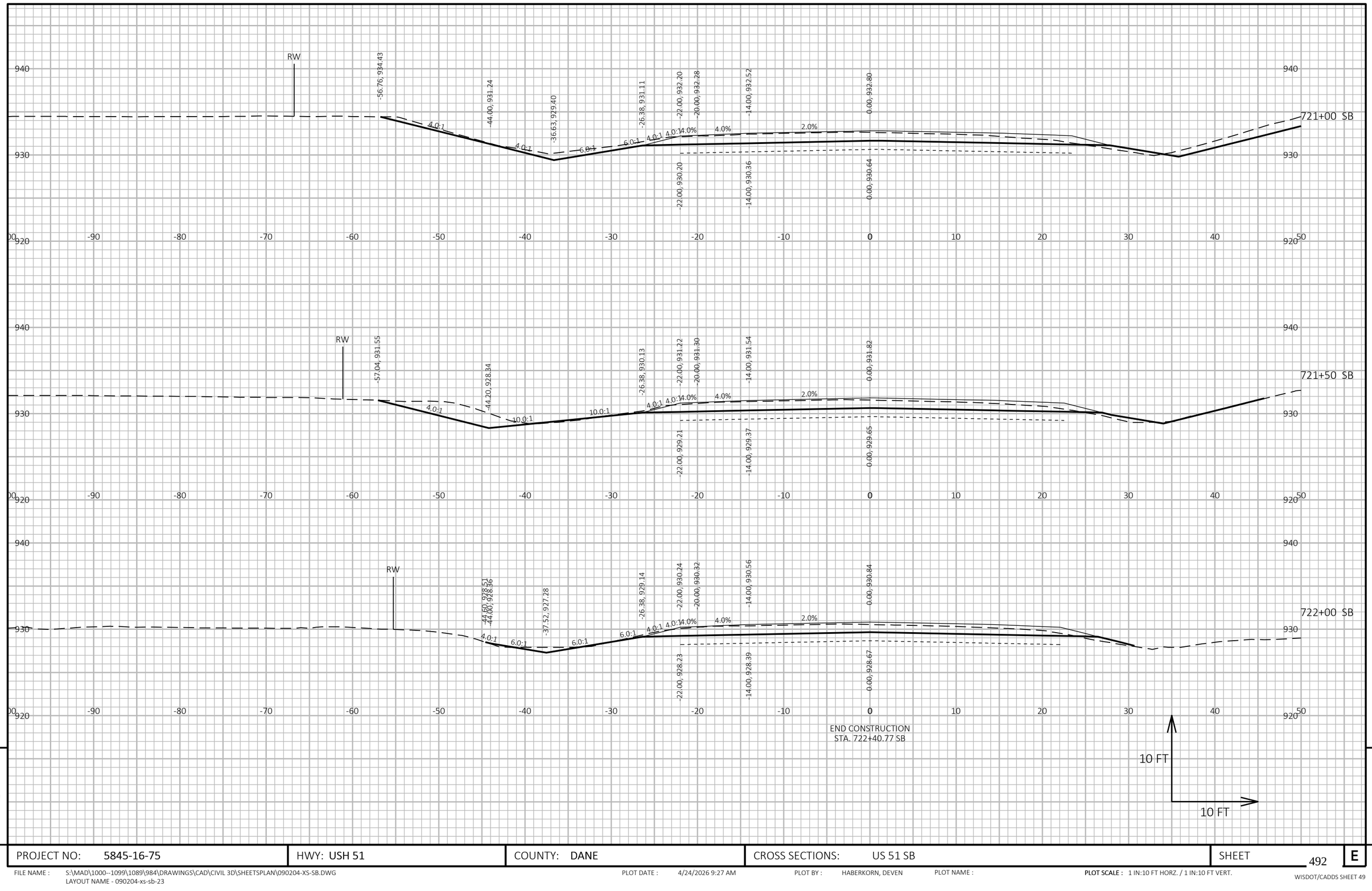


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 SB	SHEET 491 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090204-XS-SB.DWG
LAYOUT NAME - 090204-xs-sb-22

PLOT DATE : 4/24/2026 9:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

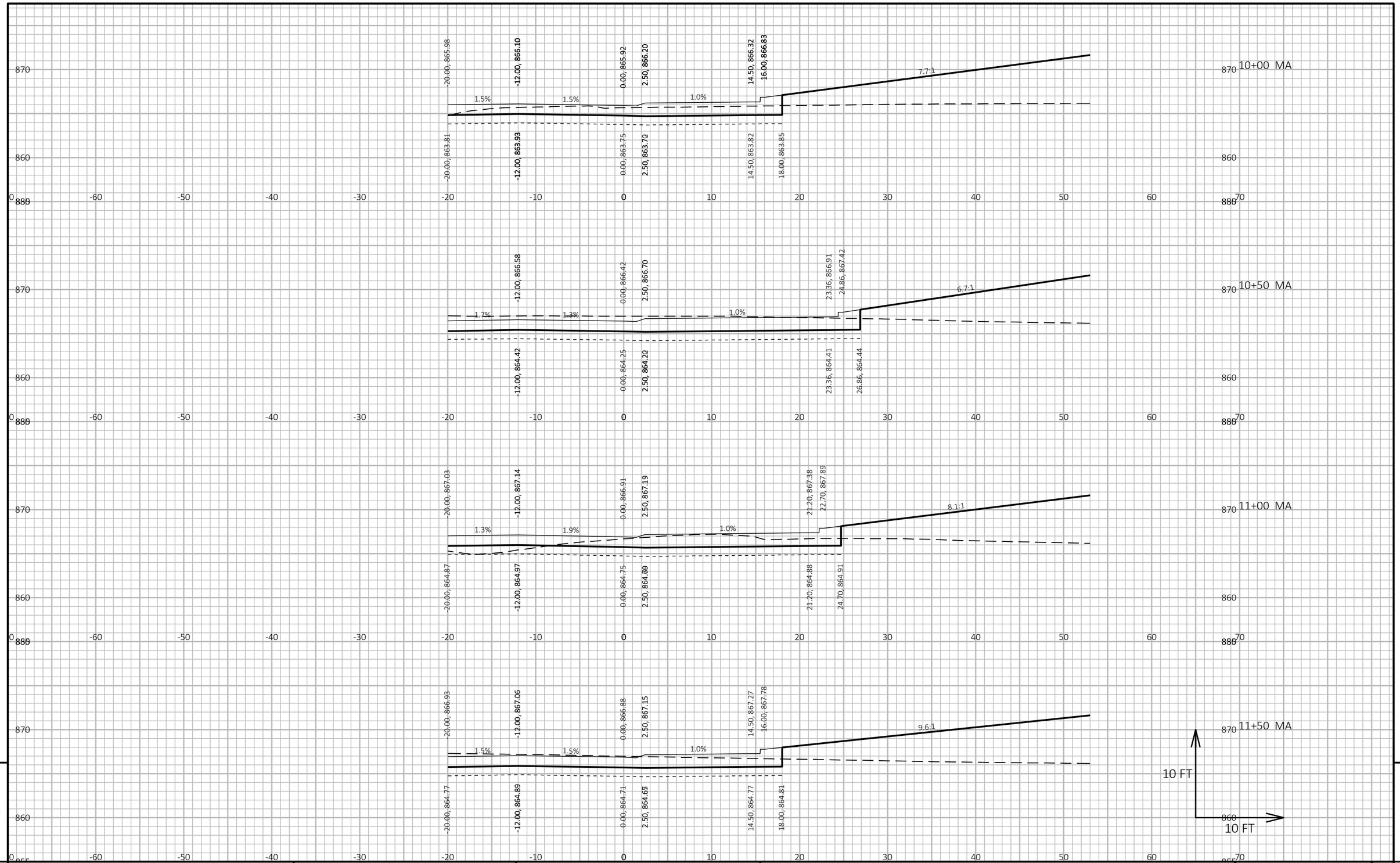


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: US 51 SB	SHEET 492	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090204-XS-SB.DWG
LAYOUT NAME - 090204-xs-sb-23

PLOT DATE : 4/24/2026 9:27 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

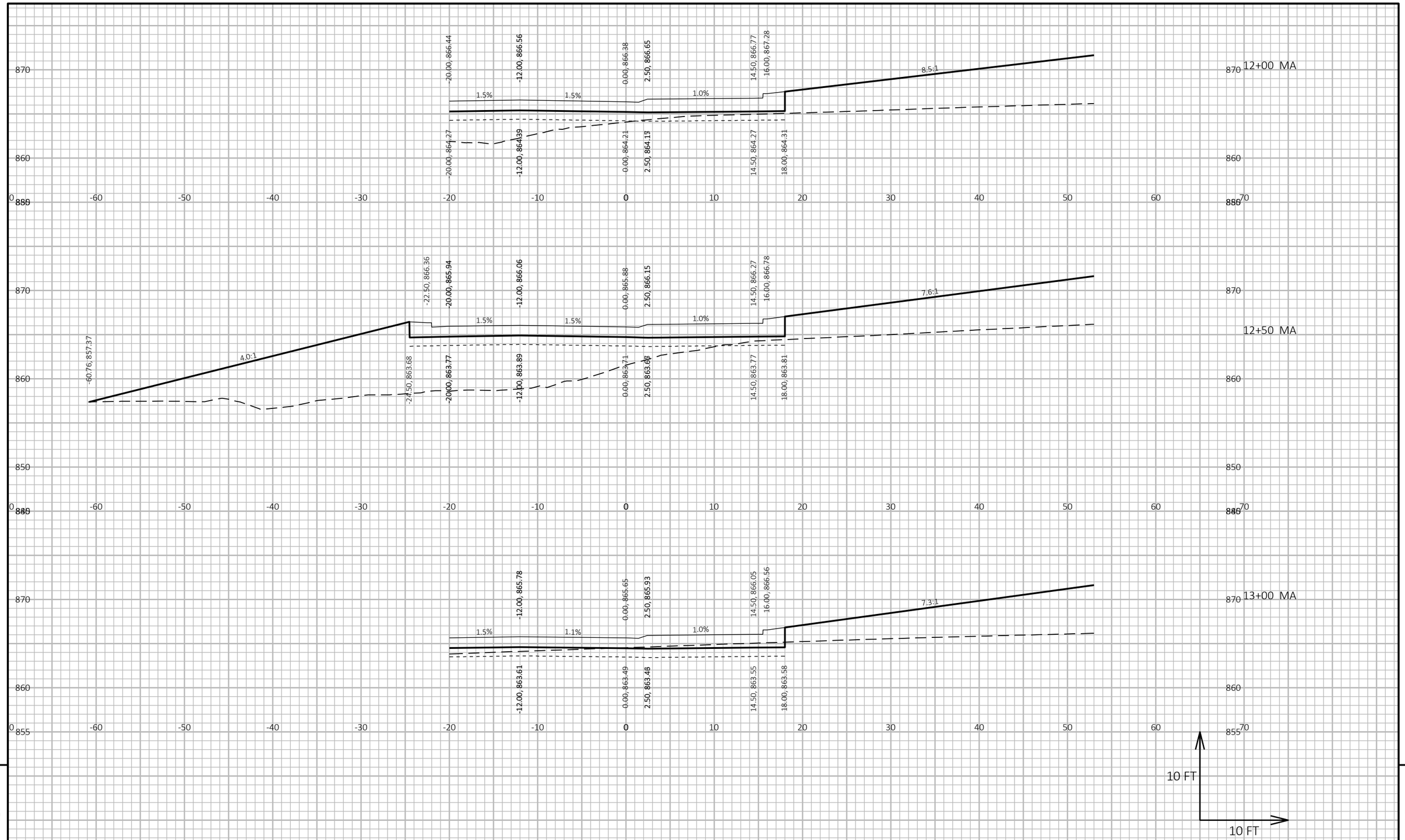
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MAHONEY ROUNDABOUT (MA ALIGNMENT)	SHEET 493	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090205-XS-MH.DWG
LAYOUT NAME - 090205-xs-mh-01

PLOT DATE : 4/24/2026 9:30 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

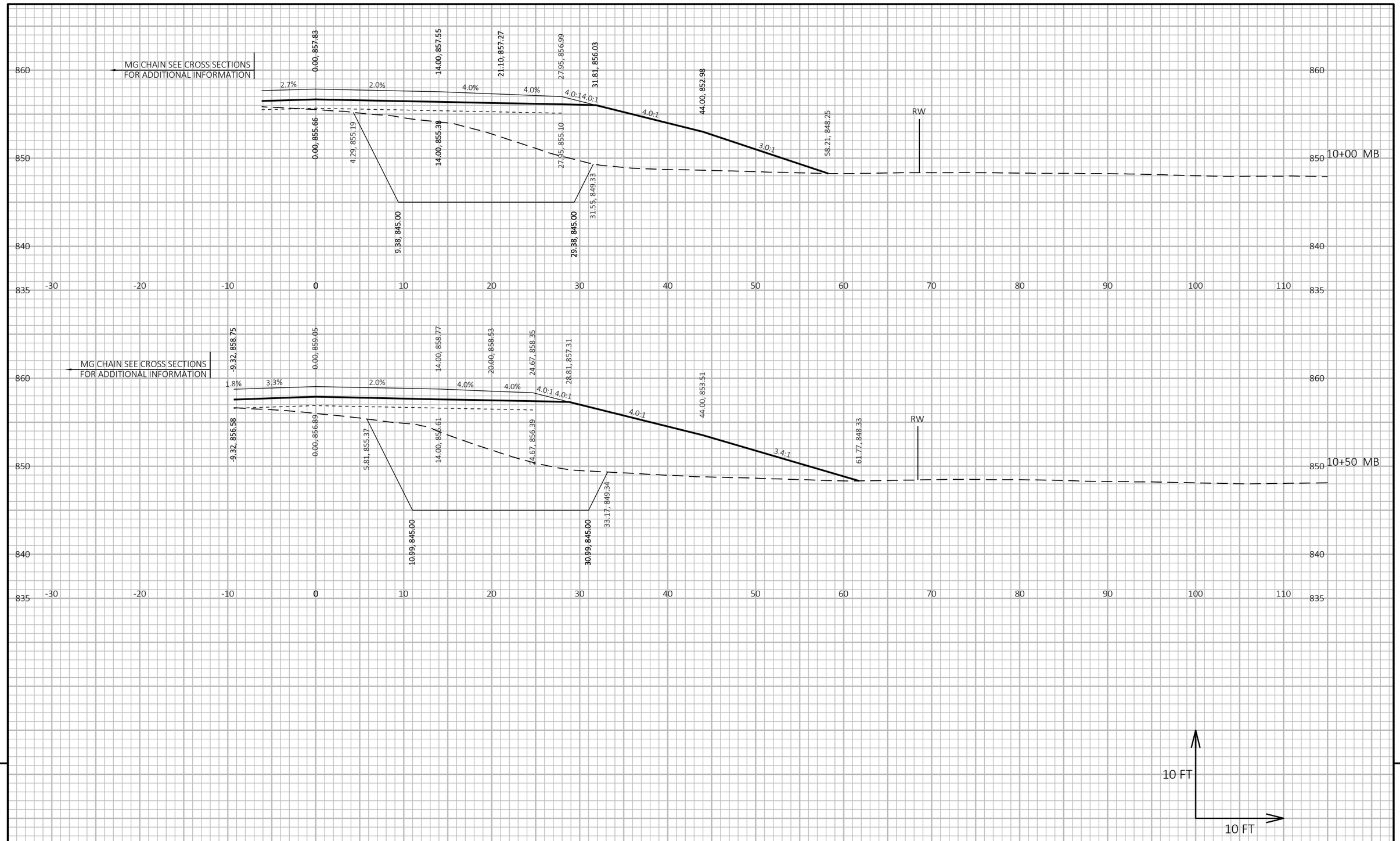


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MAHONEY ROUNDABOUT (MA ALIGNMENT)	SHEET 494	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090205-XS-MH.DWG
LAYOUT NAME - 090205-xs-mh-02

PLOT DATE : 5/1/2026 8:32 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

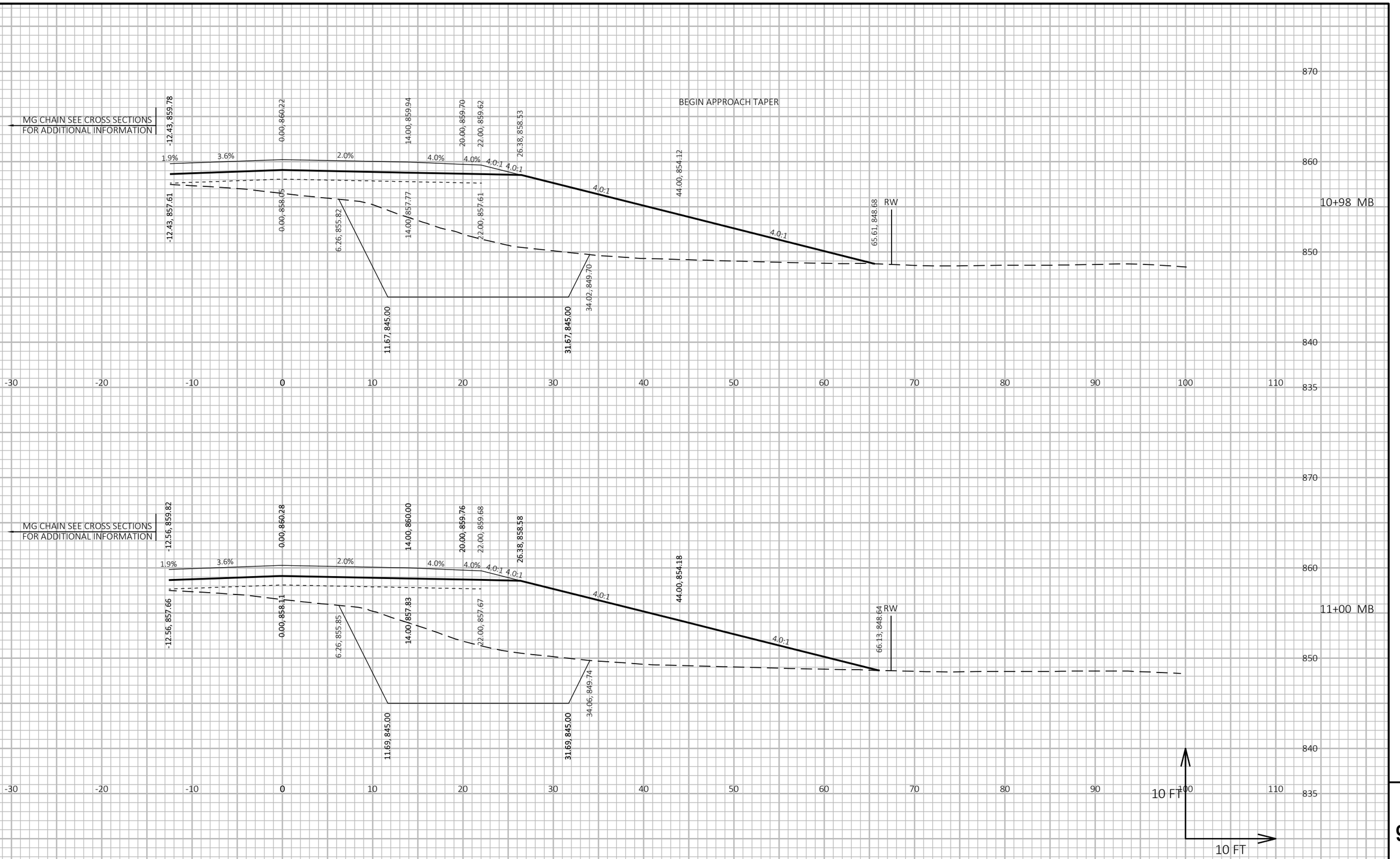


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MAHONEY ROUNDABOUT (MB ALIGNMENT)	SHEET 495	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090206-XS-MB.DWG
LAYOUT NAME - 090205-xs-mb-01

PLOT DATE : 5/1/2026 9:54 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

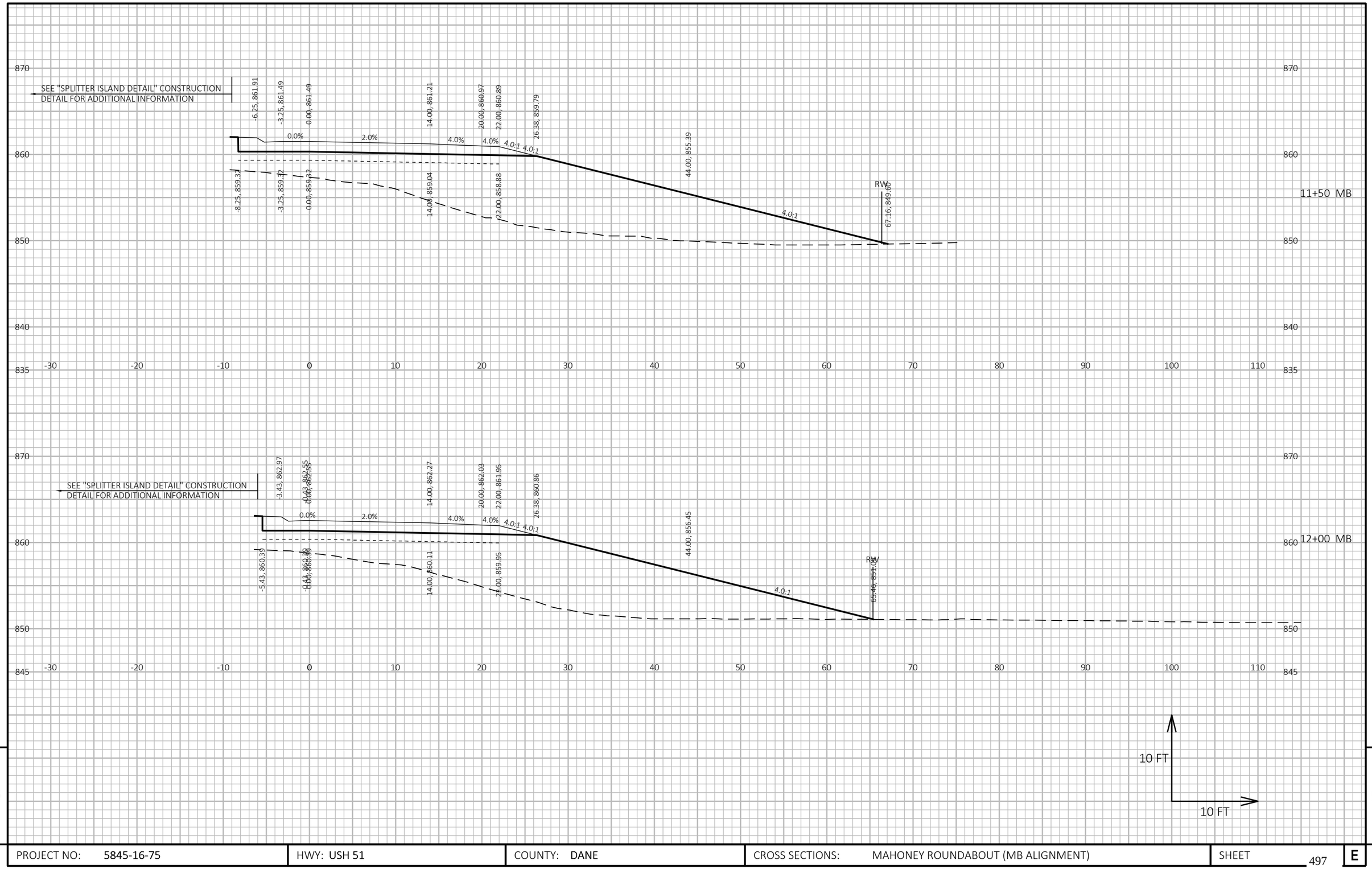


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MAHONEY ROUNDABOUT (MB ALIGNMENT)	SHEET 496	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090206-XS-MB.DWG
LAYOUT NAME - 090205-xs-mb-02

PLOT DATE : 5/1/2026 9:54 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

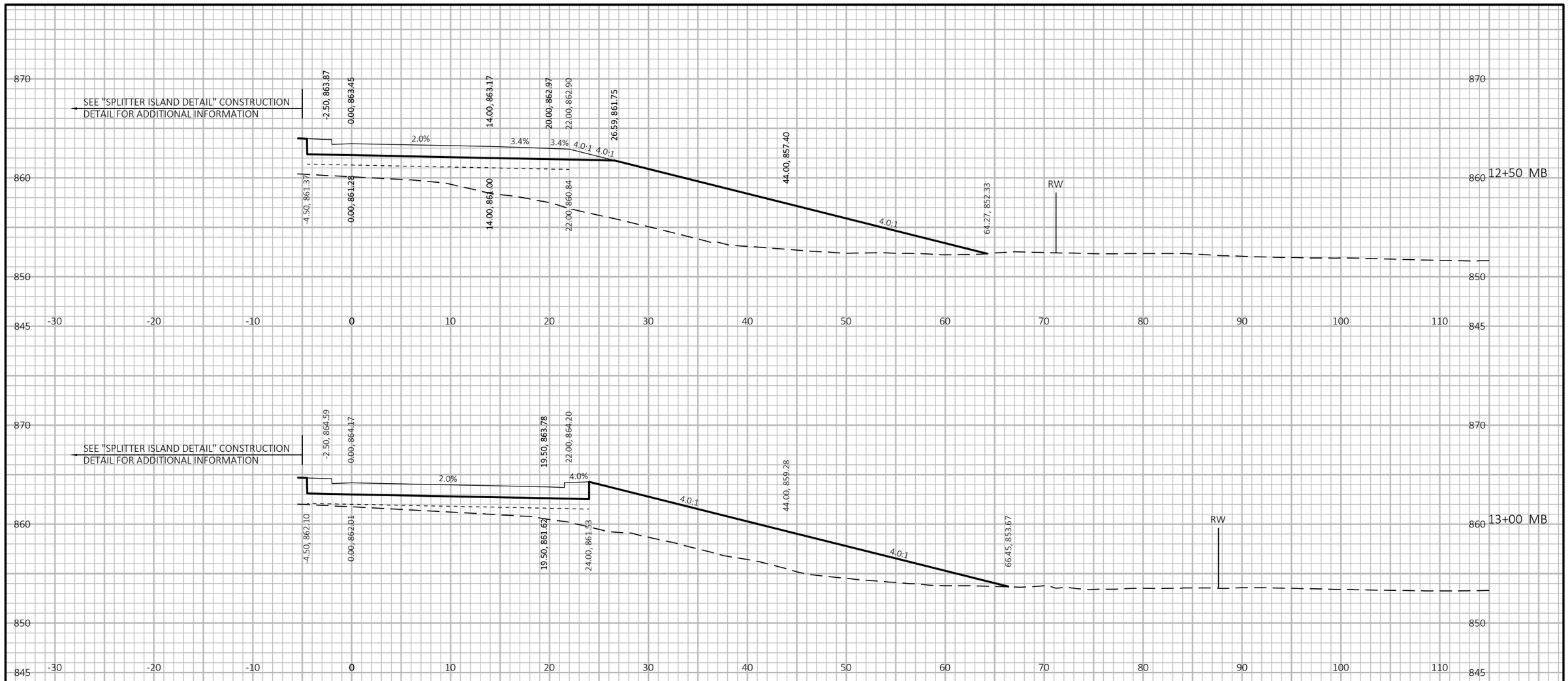


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MAHONEY ROUNDABOUT (MB ALIGNMENT)	SHEET 497	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090206-XS-MB.DWG
LAYOUT NAME - 090205-xs-mb-03

PLOT DATE : 5/1/2026 9:55 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



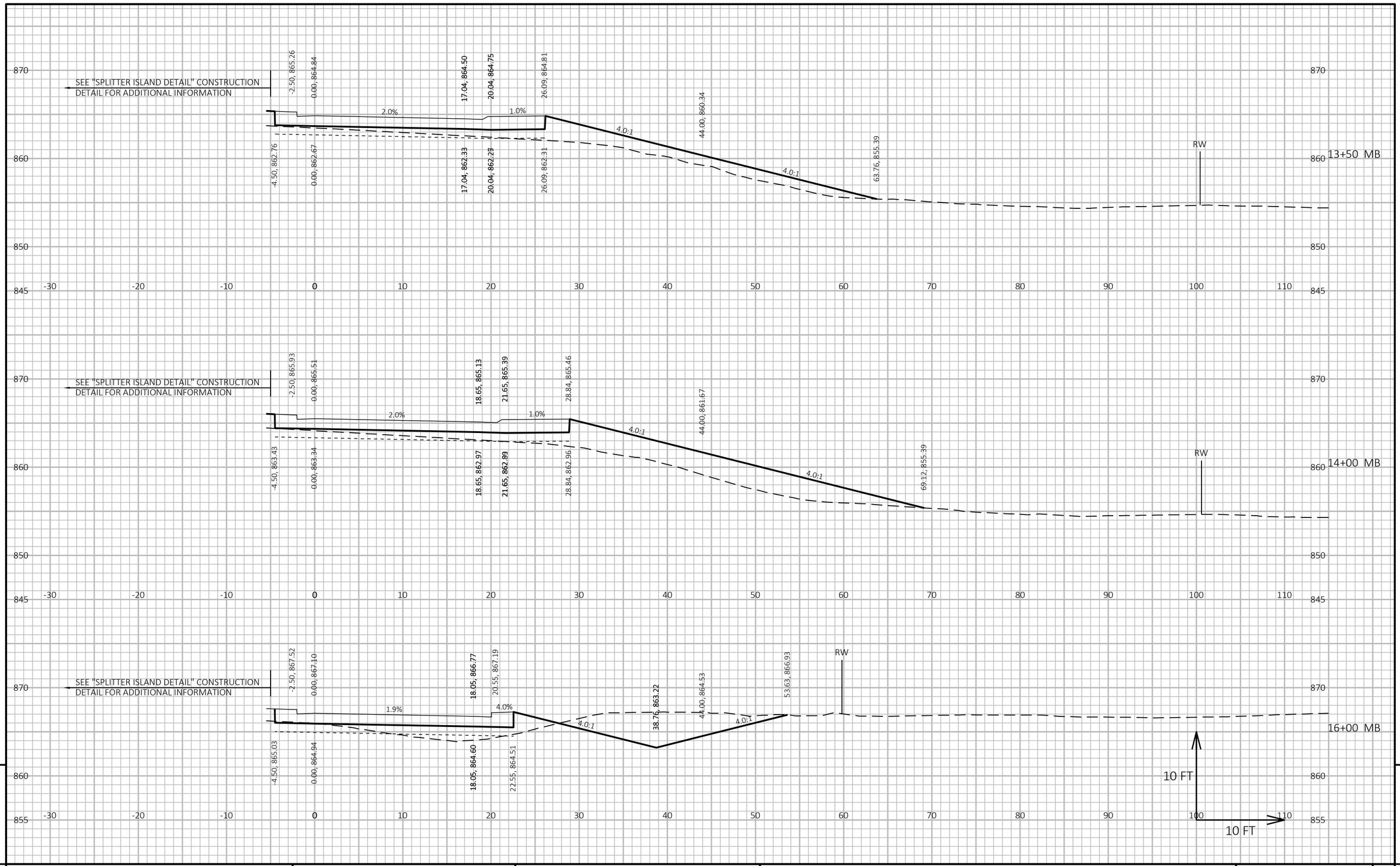
9

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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MAHONEY ROUNDABOUT (MB ALIGNMENT)	SHEET 498	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090206-XS-MB.DWG
LAYOUT NAME - 090205-xs-mb-04

PLOT DATE : 5/1/2026 9:55 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

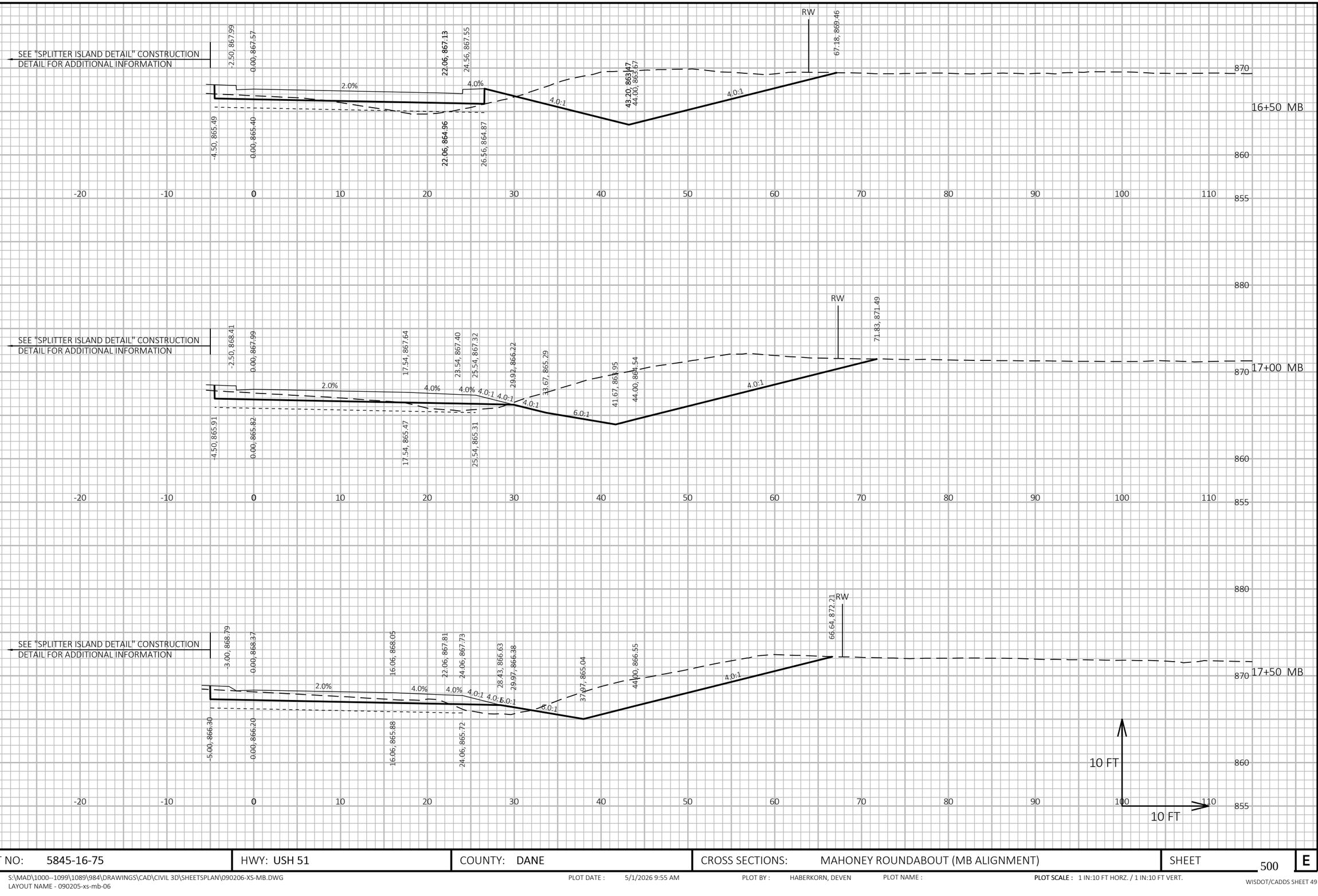


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MAHONEY ROUNDABOUT (MB ALIGNMENT)	SHEET 499	E

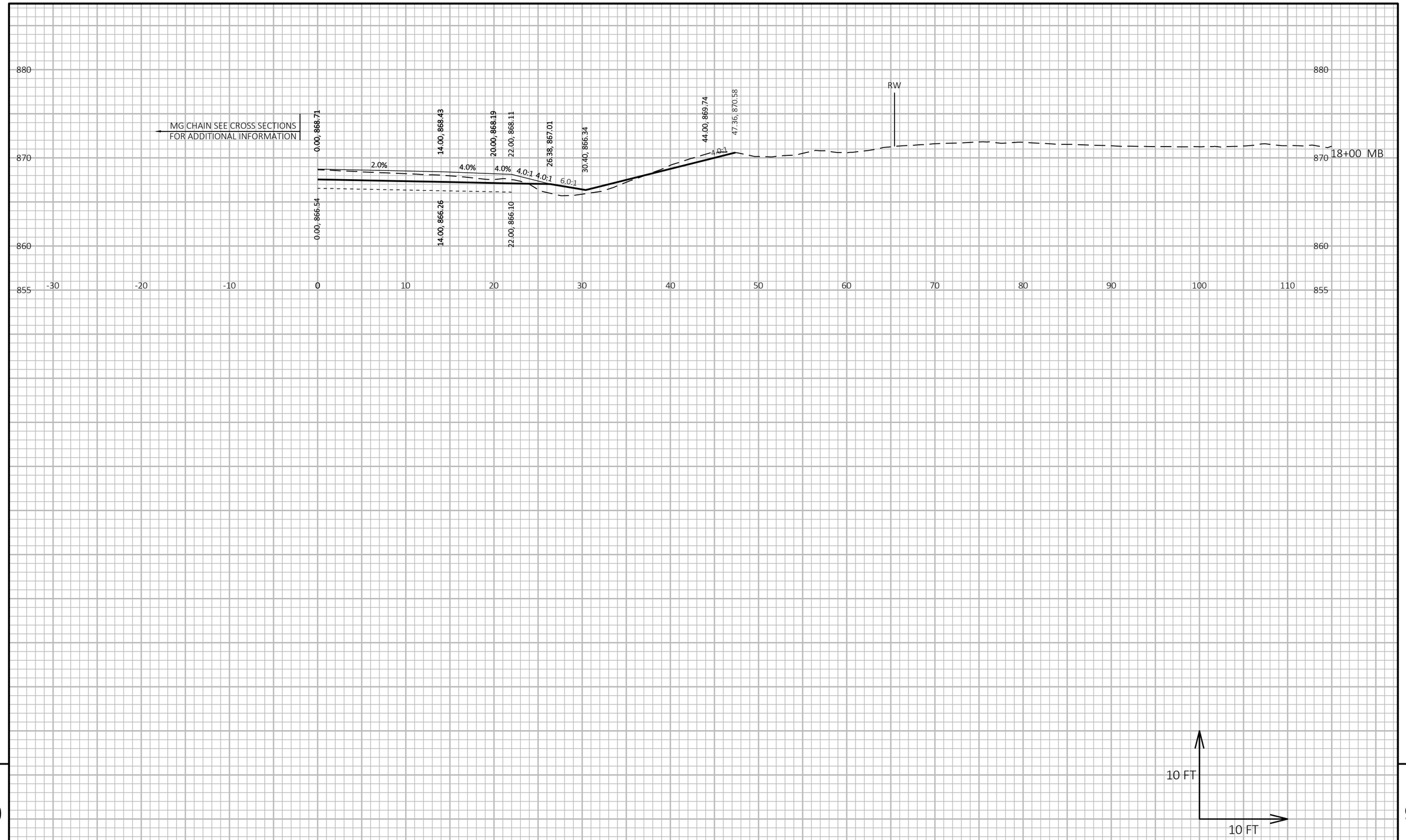
FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090206-XS-MB.DWG
LAYOUT NAME - 090205-xs-mb-05

PLOT DATE : 5/1/2026 9:55 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MAHONEY ROUNDABOUT (MB ALIGNMENT)	SHEET 500	E



9

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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MAHONEY ROUNDABOUT (MB ALIGNMENT)	SHEET 501	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090206-XS-MB.DWG
LAYOUT NAME - 090205-xs-mb-07

PLOT DATE : 5/1/2026 9:55 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

EAT POST #9

RW

-43.89, 848.99
-42.00, 849.62
-30.58, 852.47
-26.61, 853.47
-22.11, 853.65
-14.00, 853.97
0.00, 854.25

-26.61, 851.55
-14.00, 851.80
0.00, 852.08

4.0:1
4.0:1
4.0:1
4.0%
4.0%
2.0%

NB ALIGNMENT
SEE CROSS SECTIONS FOR ADDITIONAL INFORMATION

782+43 MG

860
850
840
835
-110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30

RW

-44.67, 849.00
-30.42, 852.56
-26.43, 853.56
-22.00, 853.74
-14.00, 854.06
0.00, 854.34

-26.43, 851.64
-14.00, 851.89
0.00, 852.17

4.0:1
4.0:1
4.0:1
4.0%
4.0%
2.0%

NB ALIGNMENT
SEE CROSS SECTIONS FOR ADDITIONAL INFORMATION

782+50 MG

860
850
840
835
-110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30

10 FT
10 FT

9

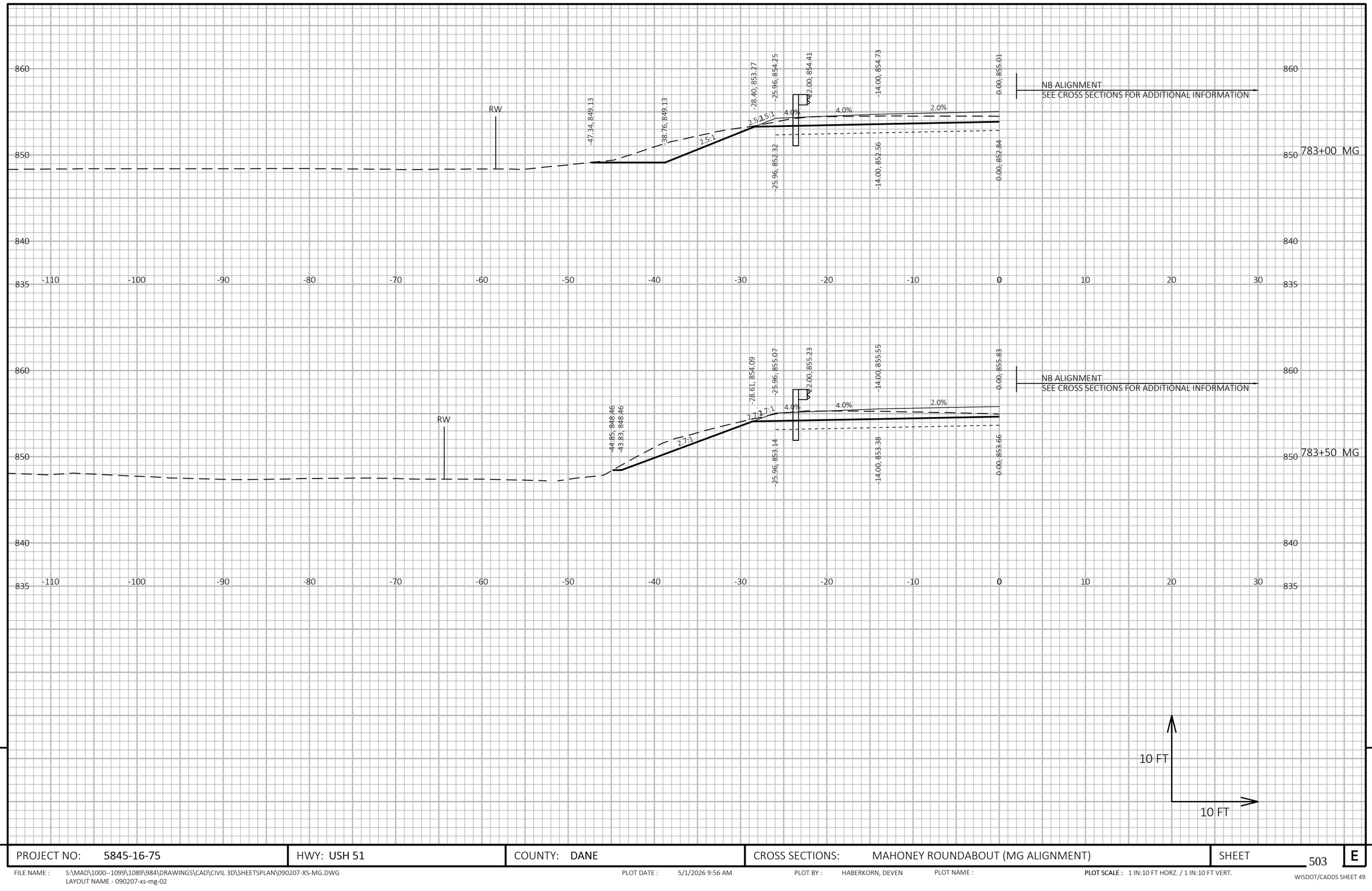
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MAHONEY ROUNDABOUT (MG ALIGNMENT)	SHEET 502	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090207-XS-MG.DWG
LAYOUT NAME - 090207-xs-mg-01

PLOT DATE : 5/1/2026 9:56 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

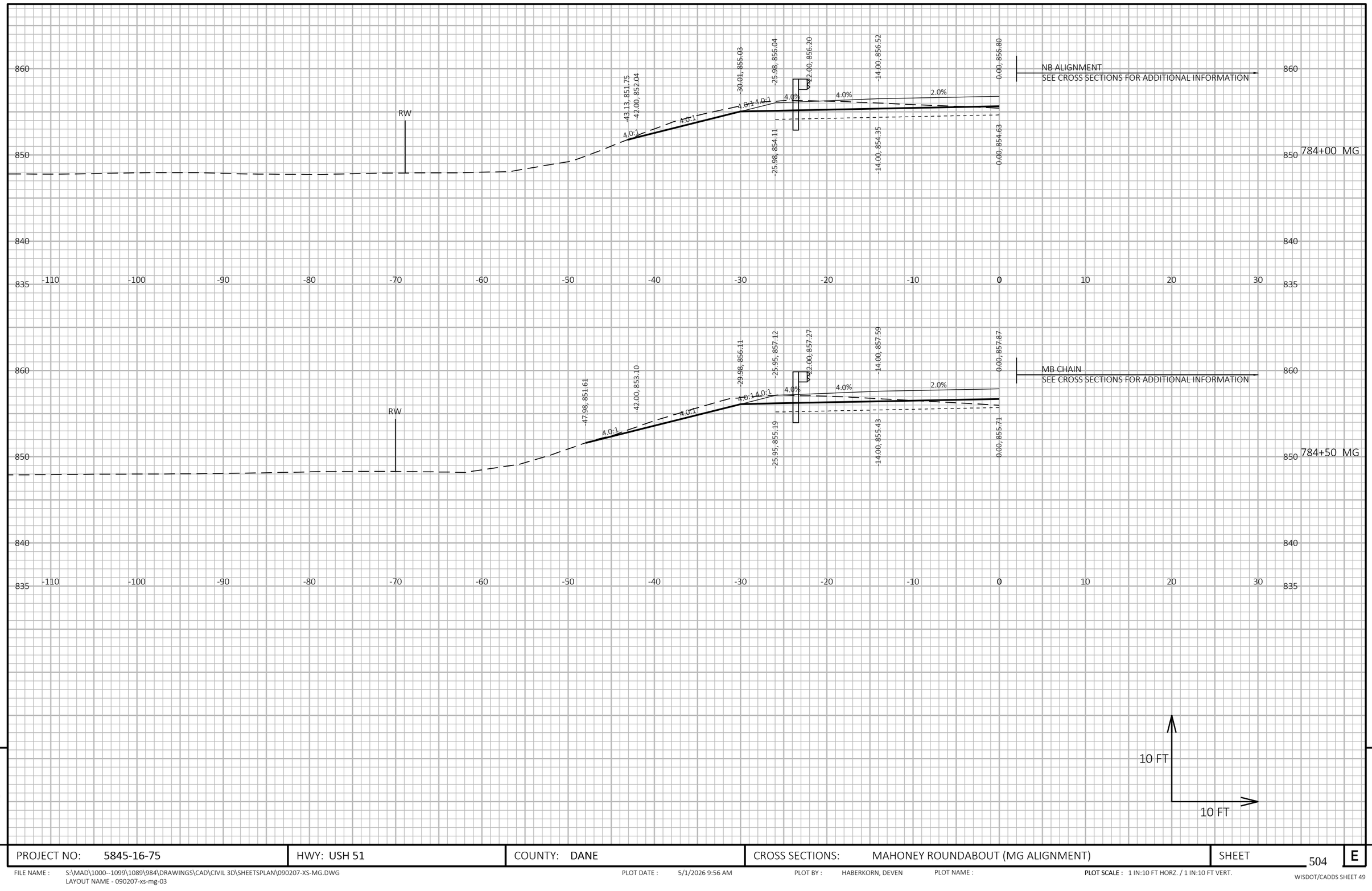
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MAHONEY ROUNDABOUT (MG ALIGNMENT)	SHEET 503	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090207-XS-MG.DWG
LAYOUT NAME - 090207-xs-mg-02

PLOT DATE : 5/1/2026 9:56 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



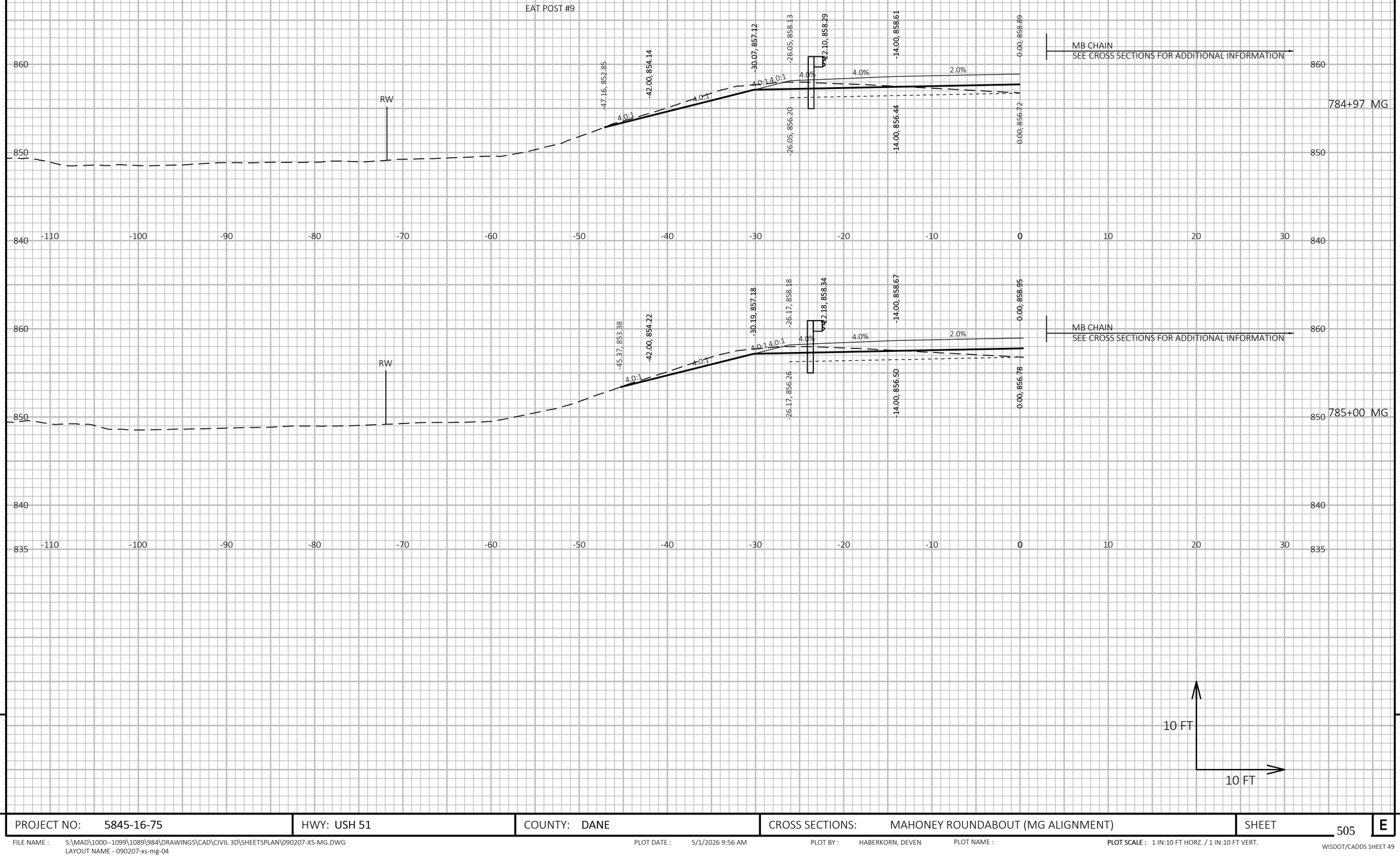
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MAHONEY ROUNDABOUT (MG ALIGNMENT)	SHEET 504	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090207-XS-MG.DWG
LAYOUT NAME - 090207-xs-mg-03

PLOT DATE : 5/1/2026 9:56 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

EAT POST #9



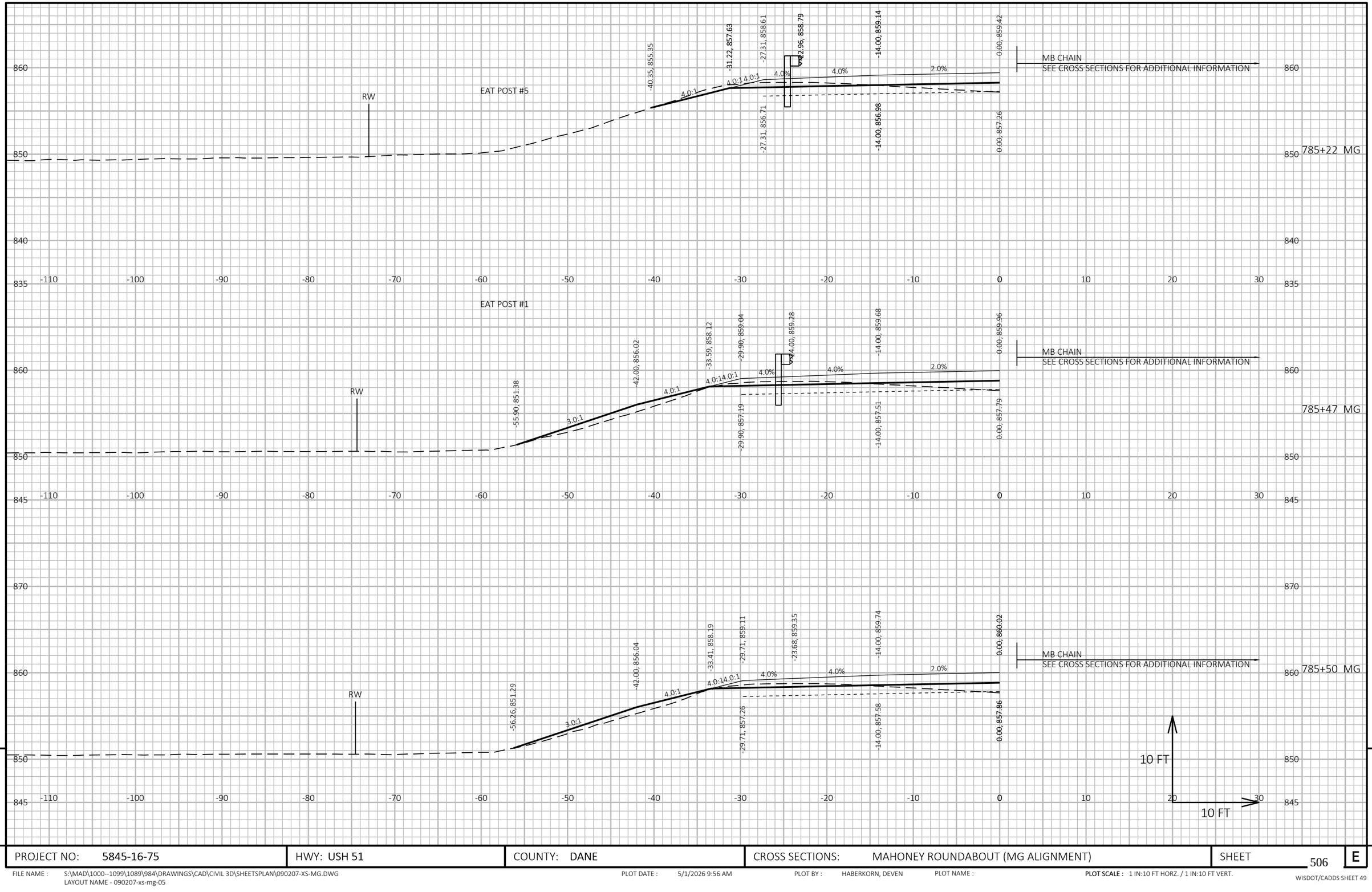
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9

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MAHONEY ROUNDABOUT (MG ALIGNMENT)	SHEET 505	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090207-XS-MG.DWG
LAYOUT NAME - 090207-xs-mg-04

PLOT DATE : 5/1/2026 9:56 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

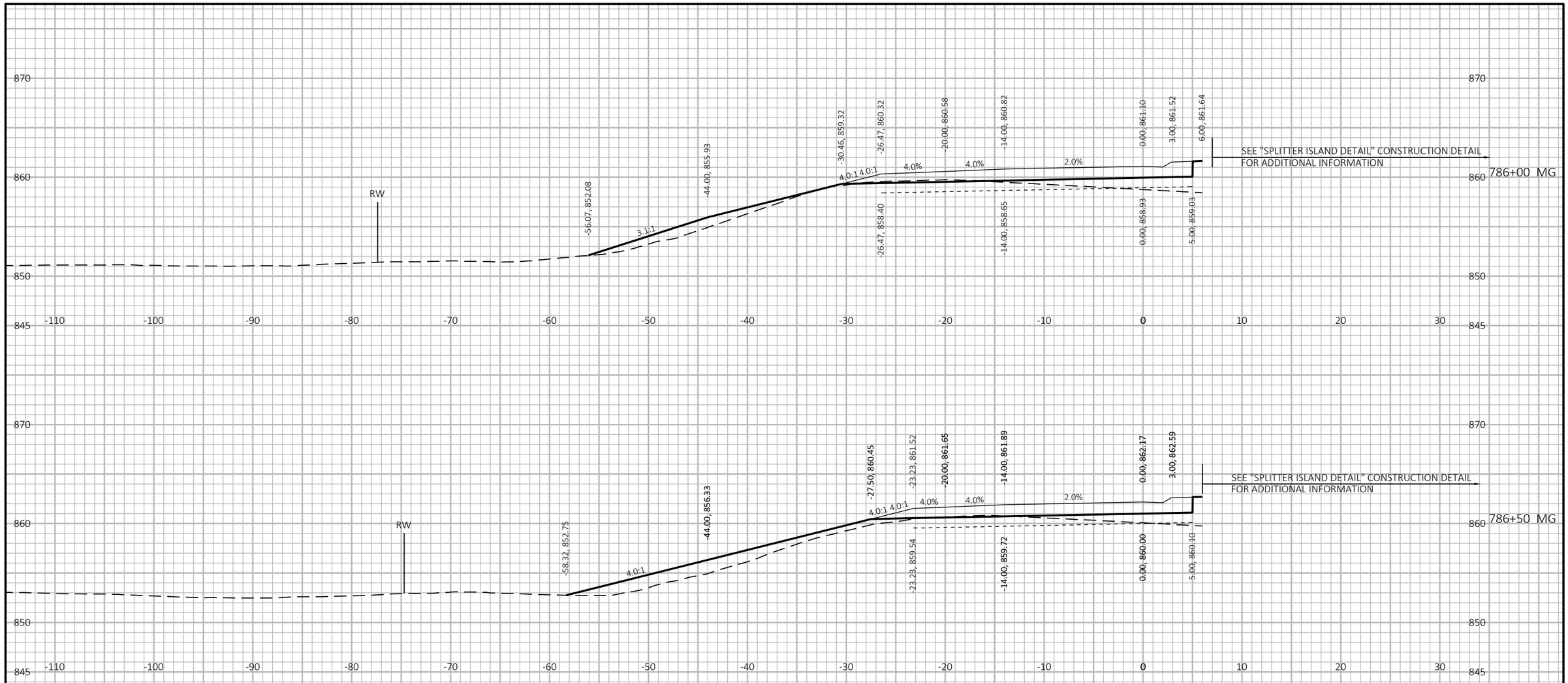


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MAHONEY ROUNDABOUT (MG ALIGNMENT)	SHEET 506 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090207-XS-MG.DWG
LAYOUT NAME - 090207-xs-mg-05

PLOT DATE : 5/1/2026 9:56 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



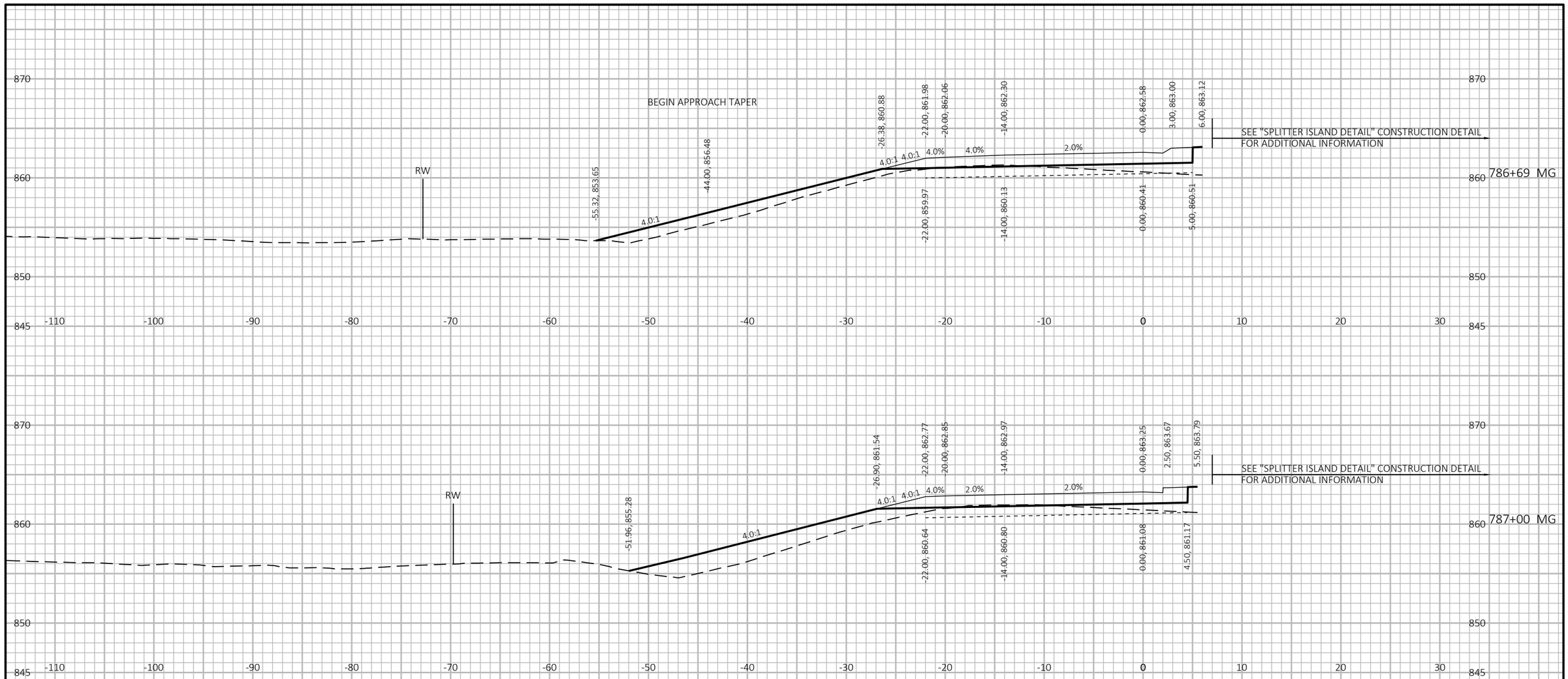
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MAHONEY ROUNDABOUT (MG ALIGNMENT)	SHEET 507	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090207-XS-MG.DWG
LAYOUT NAME - 090207-xs-mg-06

PLOT DATE : 5/1/2026 9:56 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

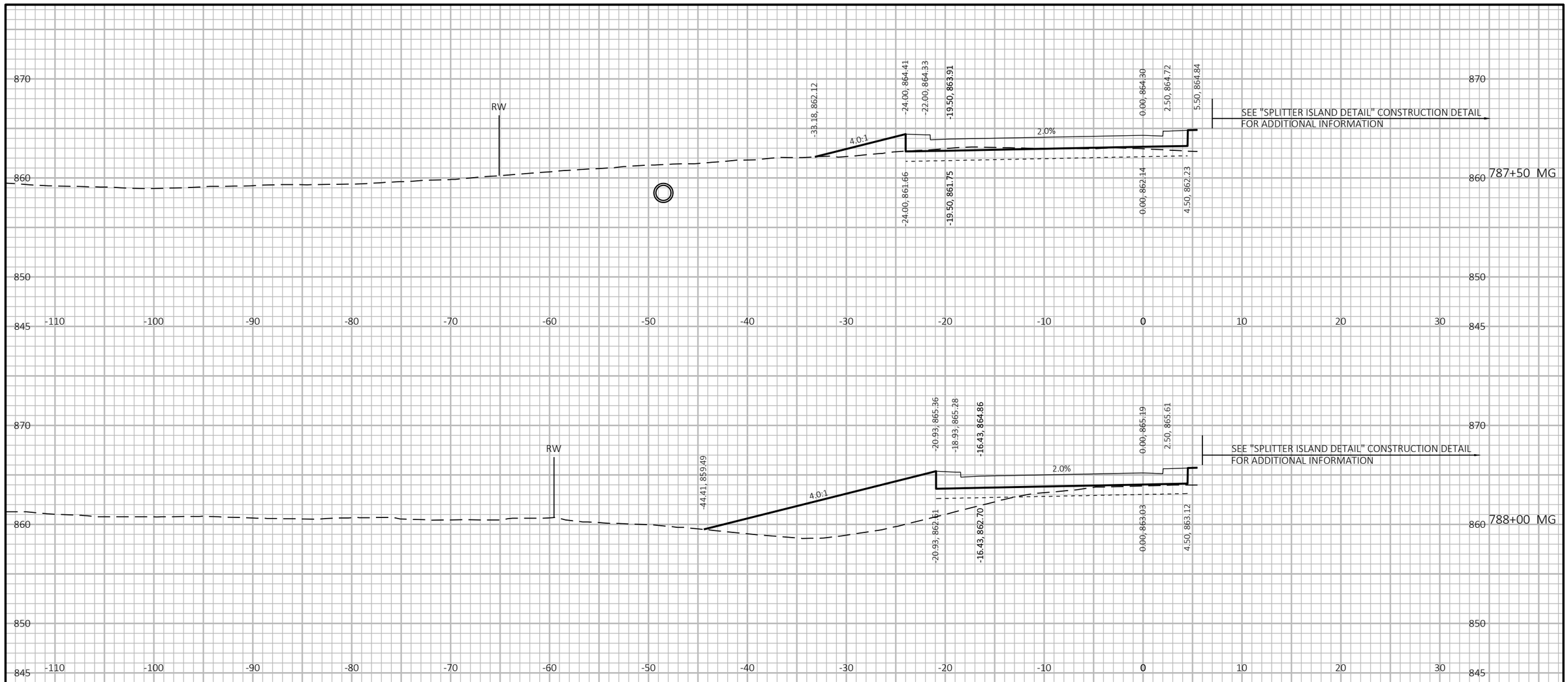


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MAHONEY ROUNDABOUT (MG ALIGNMENT)	SHEET 508	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090207-XS-MG.DWG
LAYOUT NAME - 090207-xs-mg-07

PLOT DATE : 5/1/2026 9:56 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

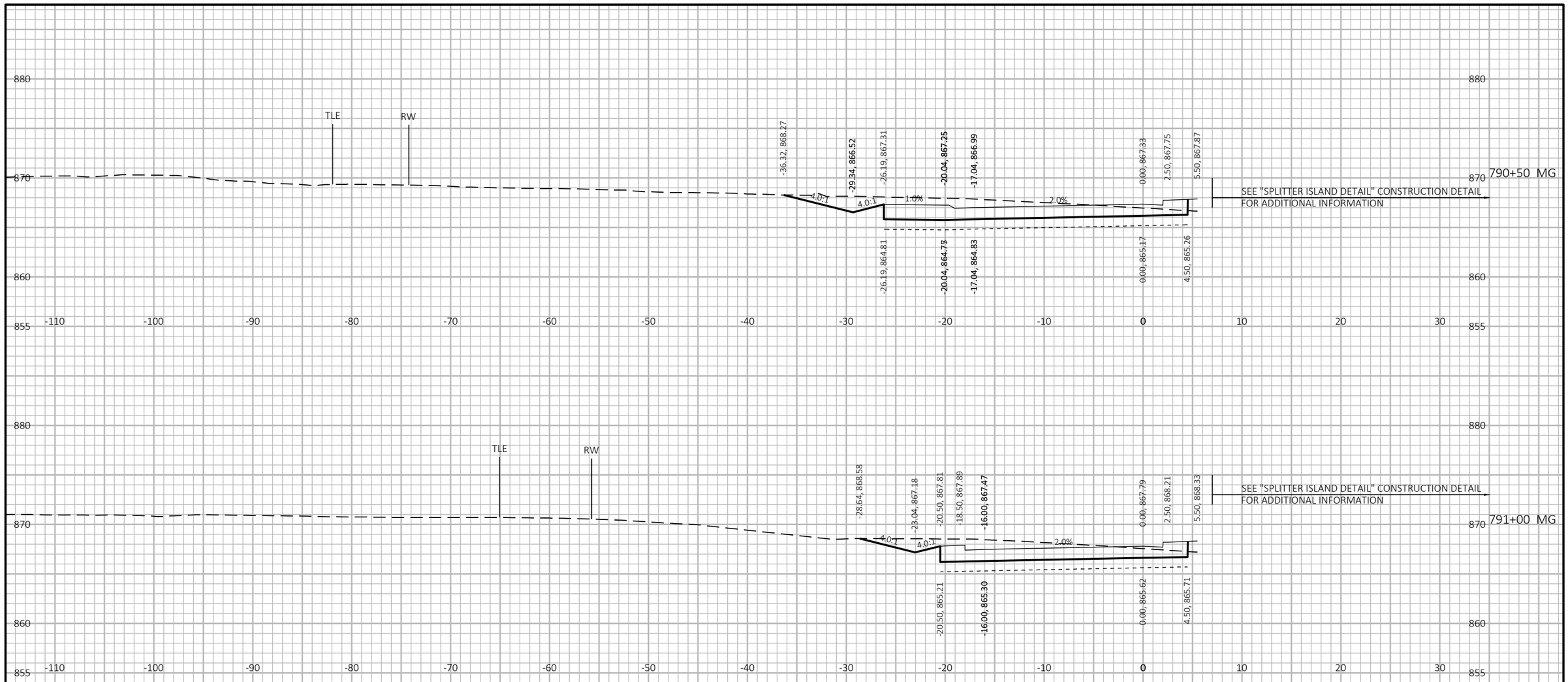
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MAHONEY ROUNDABOUT (MG ALIGNMENT)	SHEET 509	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090207-XS-MG.DWG
LAYOUT NAME - 090207-xs-mg-08

PLOT DATE : 5/1/2026 9:56 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

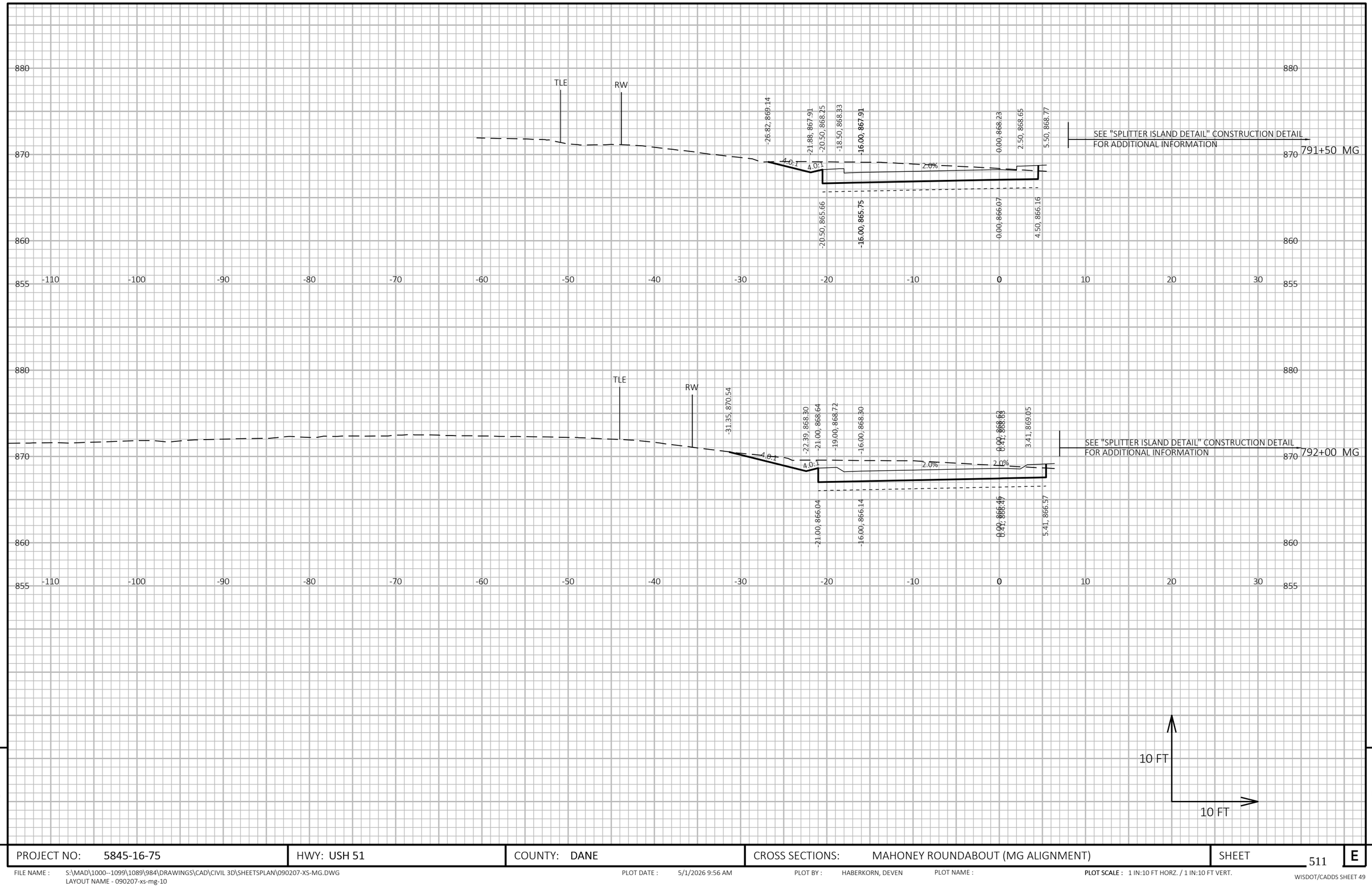
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MAHONEY ROUNDABOUT (MG ALIGNMENT)	SHEET 510	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090207-XS-MG.DWG
LAYOUT NAME - 090207-xs-mg-09

PLOT DATE : 5/1/2026 9:56 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

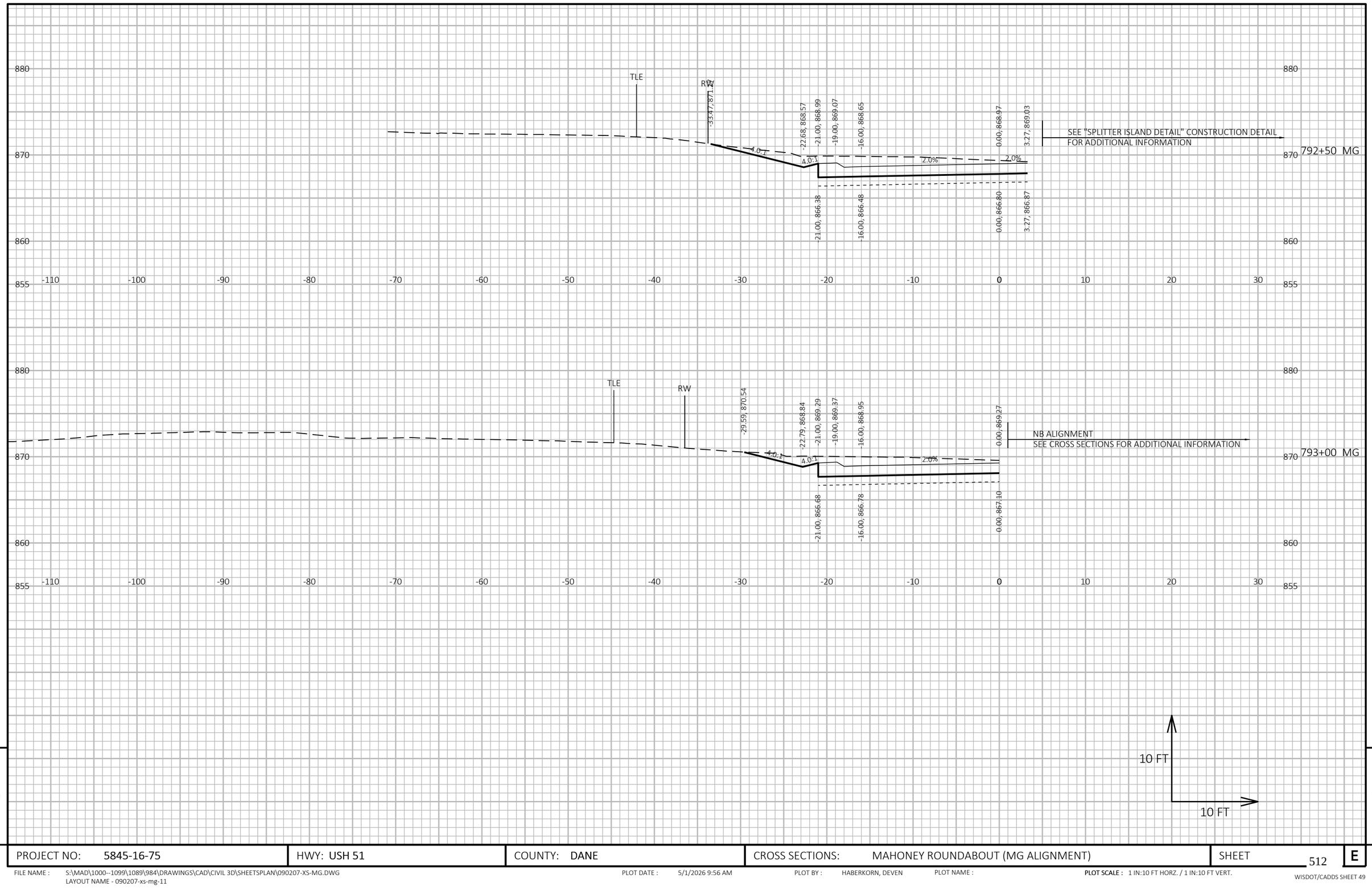
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MAHONEY ROUNDABOUT (MG ALIGNMENT)	SHEET 511	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090207-XS-MG.DWG
LAYOUT NAME - 090207-xs-mg-10

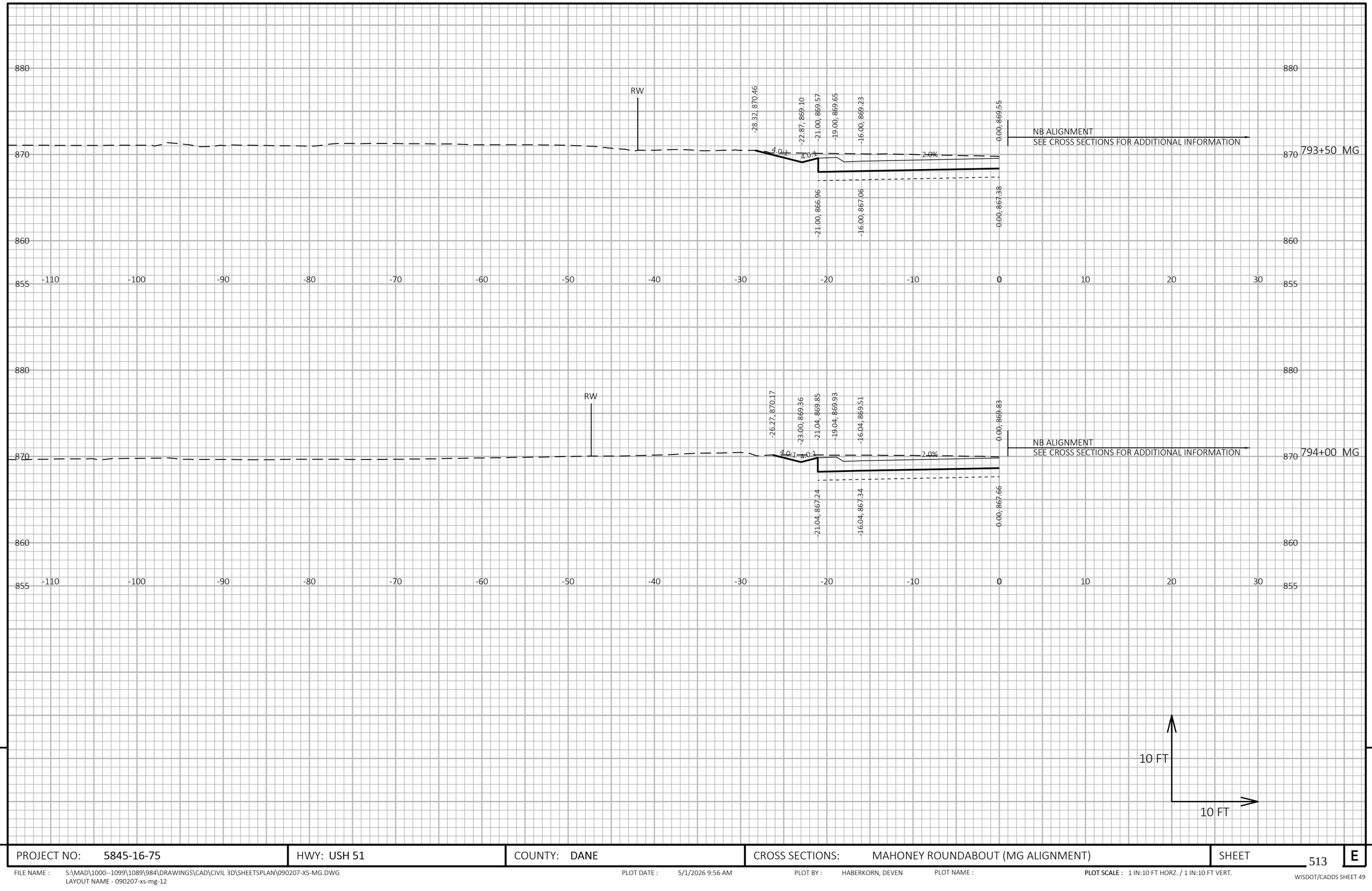
PLOT DATE : 5/1/2026 9:56 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MAHONEY ROUNDABOUT (MG ALIGNMENT)	SHEET 512	E



9

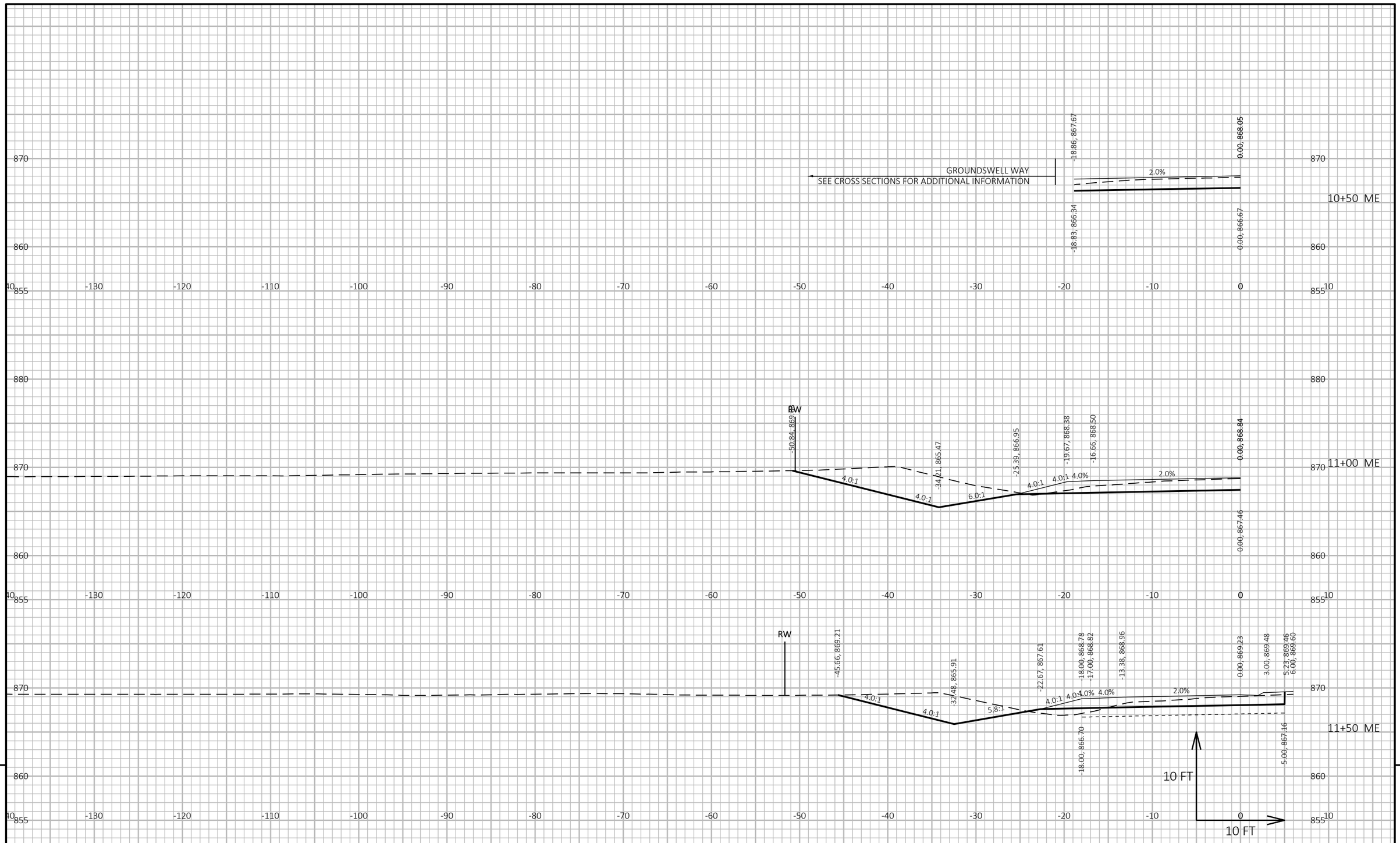
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MAHONEY ROUNDABOUT (MG ALIGNMENT)	SHEET 513	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090207-XS-MG.DWG
LAYOUT NAME - 090207-xs-mg-12

PLOT DATE : 5/1/2026 9:56 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



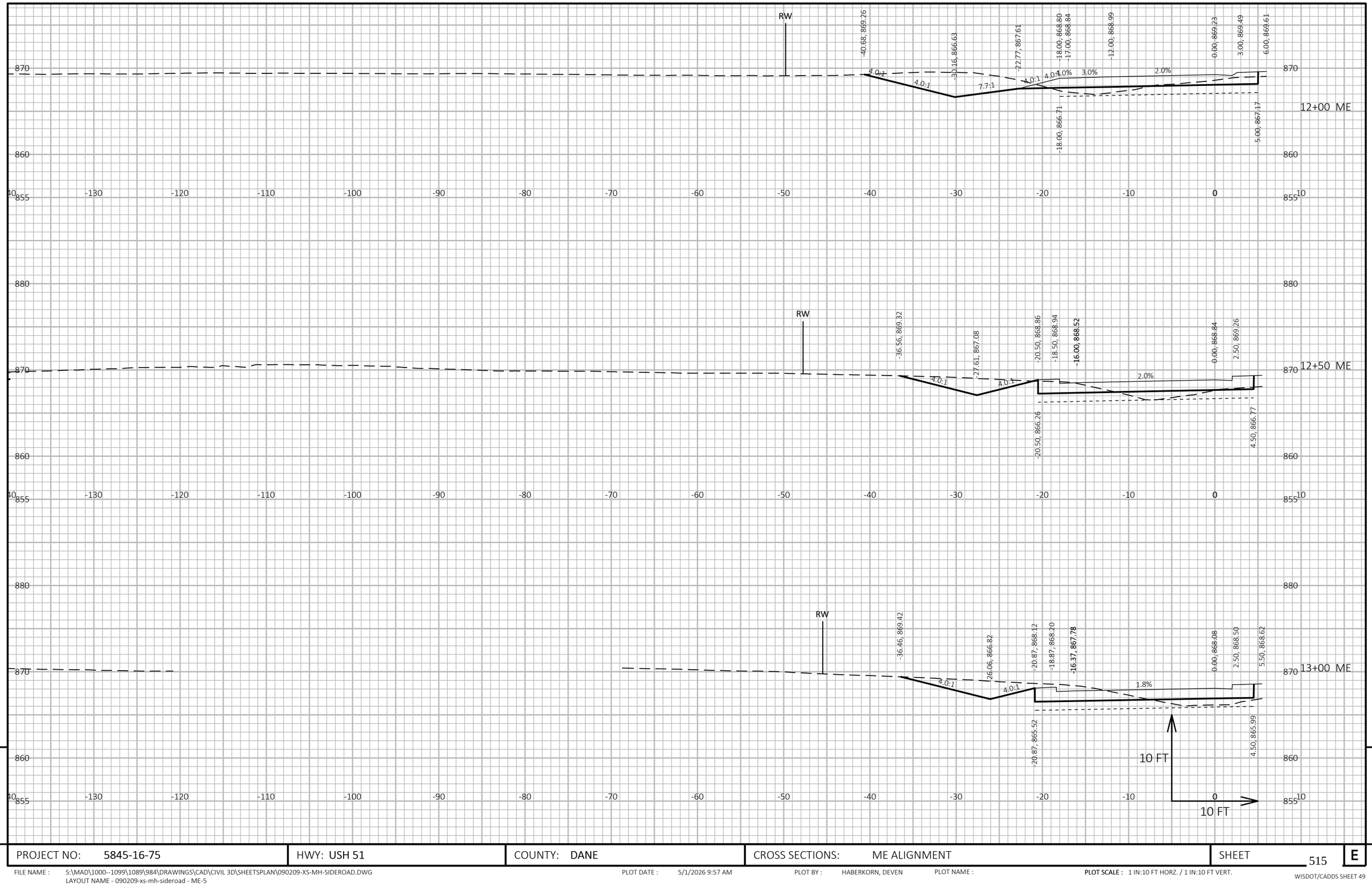
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9

PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ME ALIGNMENT	SHEET 514	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090209-XS-MH-SIDEROAD.DWG
LAYOUT NAME - 090209-xs-mh-sideroad - ME-4

PLOT DATE : 5/1/2026 9:57 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

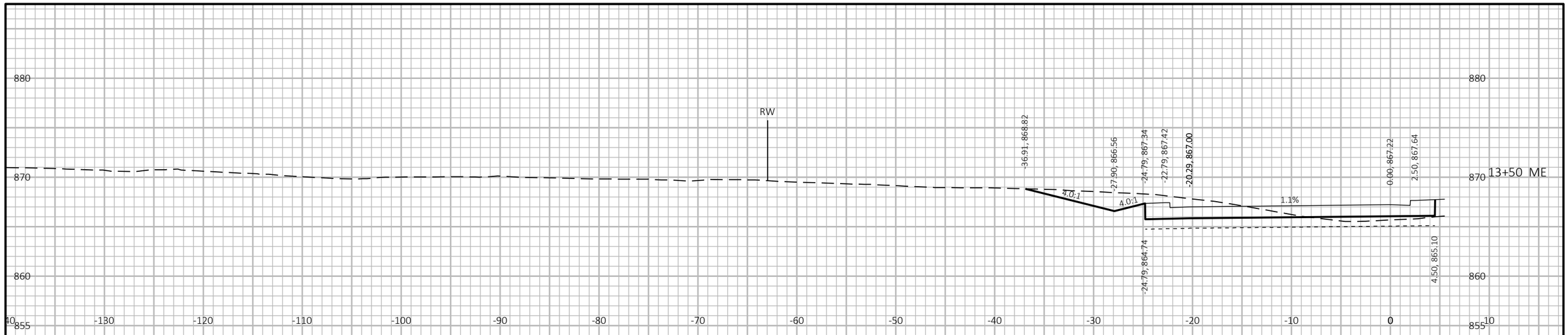


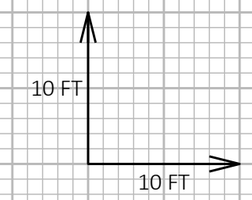
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ME ALIGNMENT	SHEET 515 E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090209-XS-MH-SIDEROAD.DWG
LAYOUT NAME - 090209-xs-mh-sideroad - ME-5

PLOT DATE : 5/1/2026 9:57 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





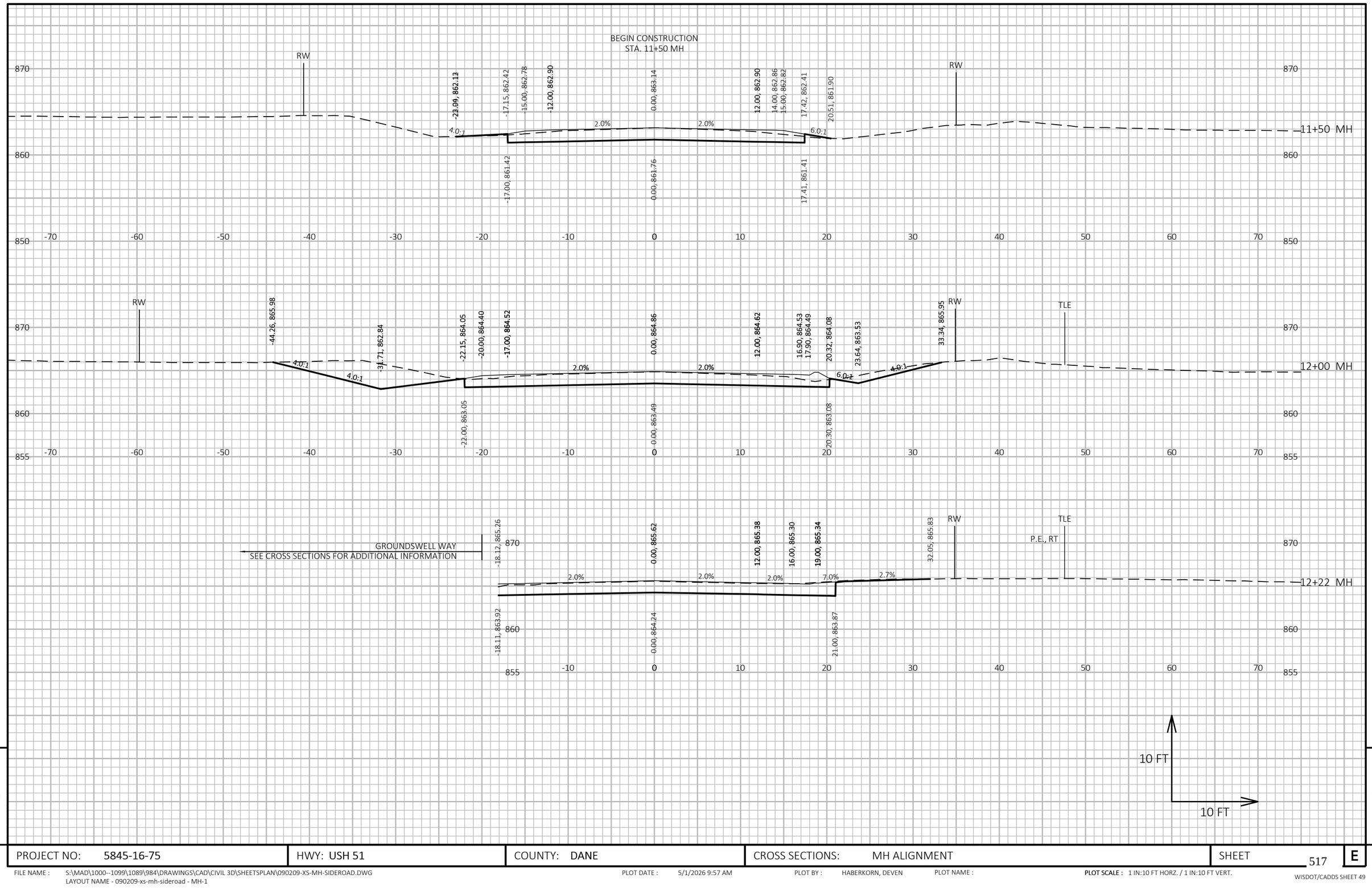
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: ME ALIGNMENT	SHEET 516	E

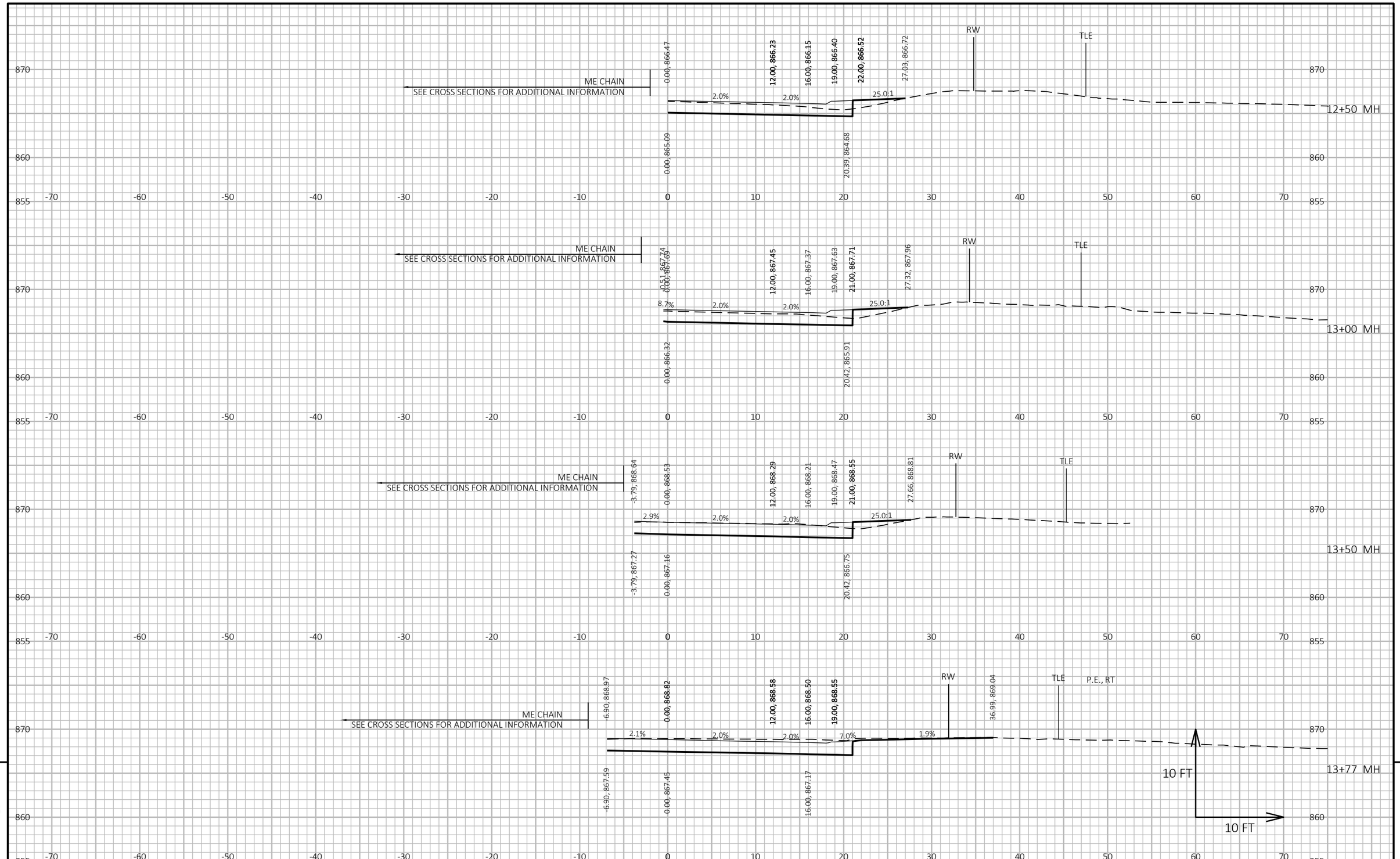
FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090209-XS-MH-SIDEROAD.DWG
LAYOUT NAME - 090209-xs-mh-sideroad - ME-6

PLOT DATE : 5/1/2026 9:57 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MH ALIGNMENT	SHEET 517	E



9

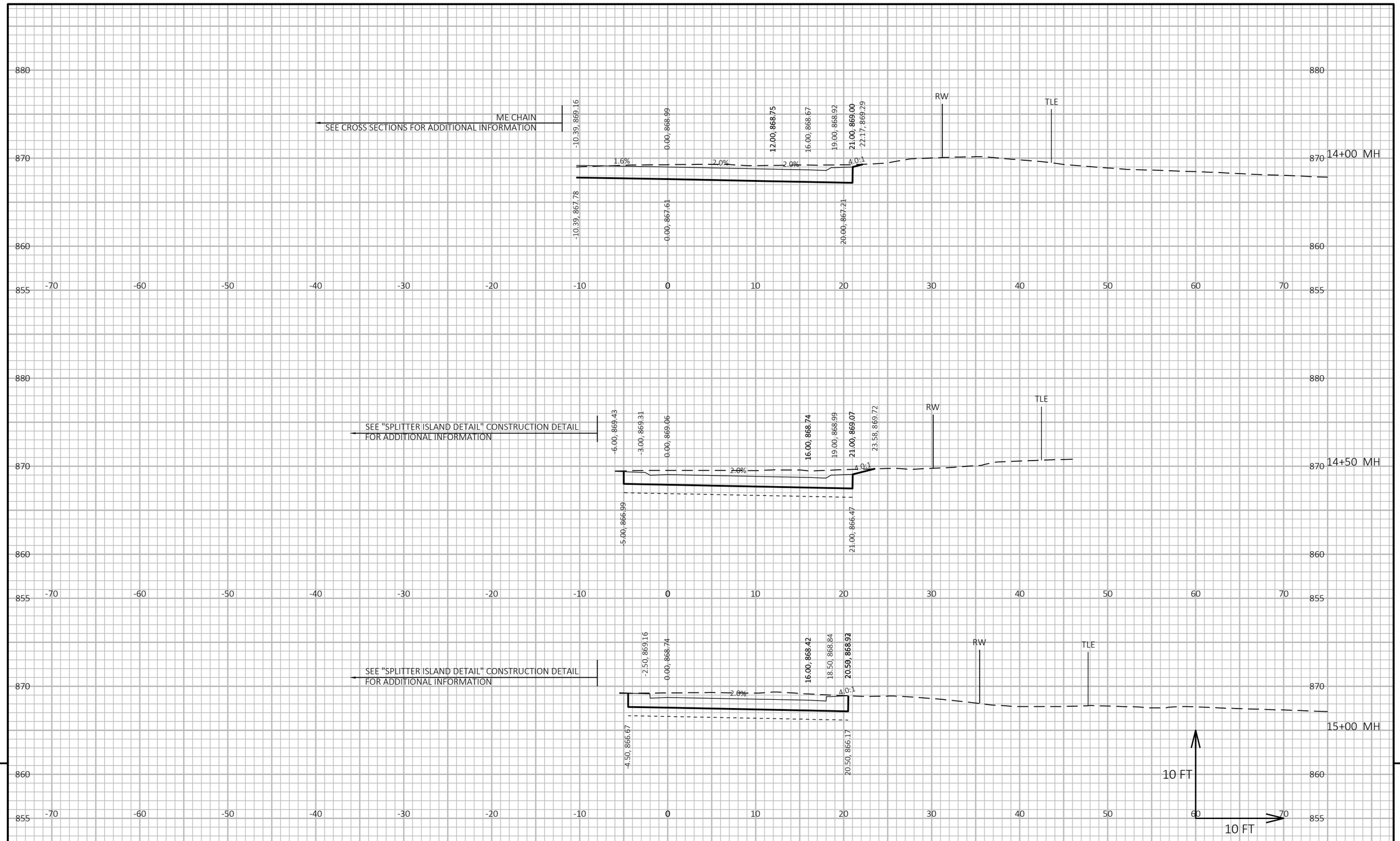
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MH ALIGNMENT	SHEET 518	E

9

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090209-XS-MH-SIDEROAD.DWG
LAYOUT NAME - 090209-xs-mh-sideroad - MH-2

PLOT DATE : 5/1/2026 9:57 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

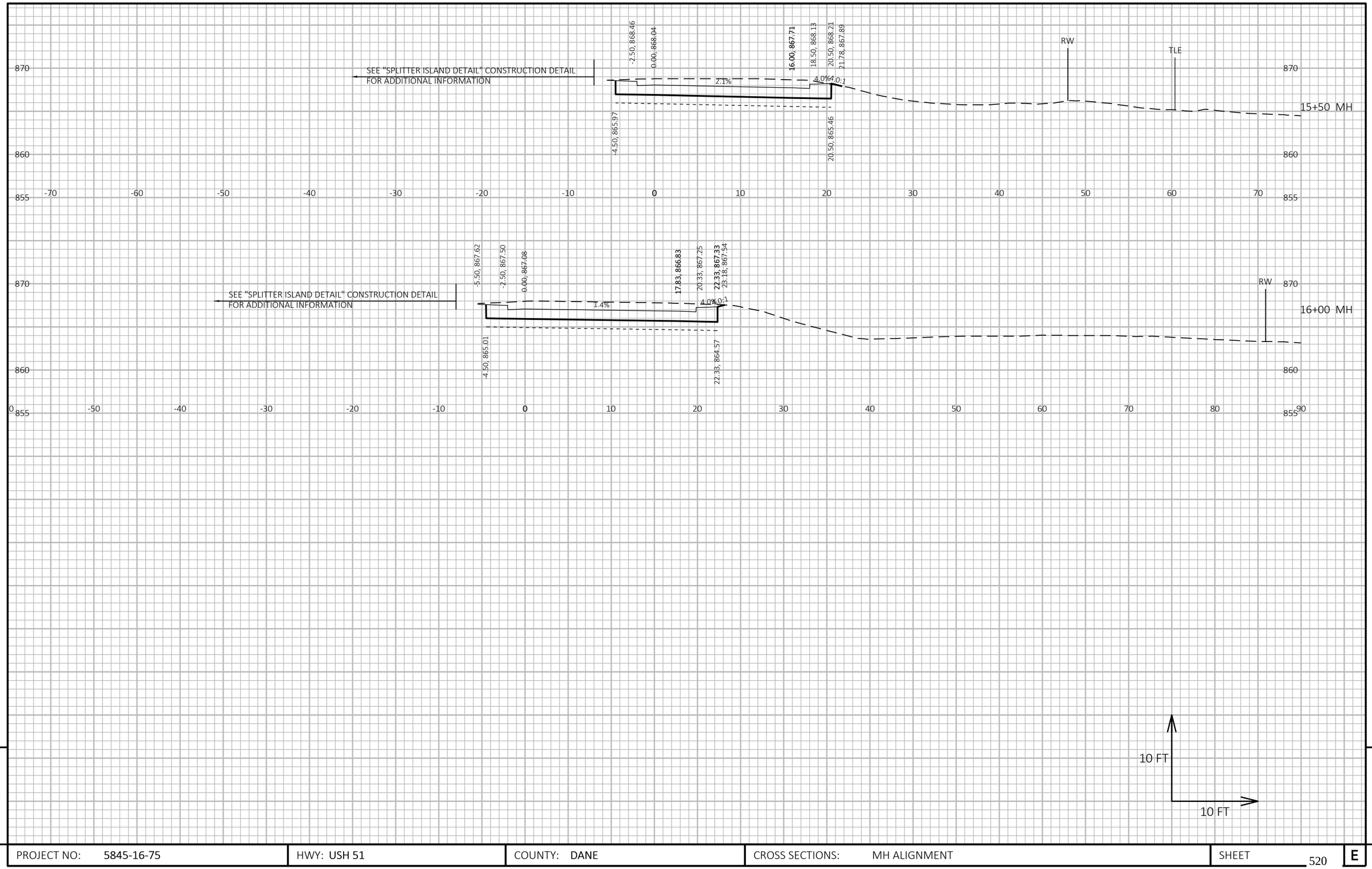


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MH ALIGNMENT	SHEET 519	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090209-XS-MH-SIDEROAD.DWG
LAYOUT NAME - 090209-xs-mh-sideroad - MH-3

PLOT DATE : 5/1/2026 9:57 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

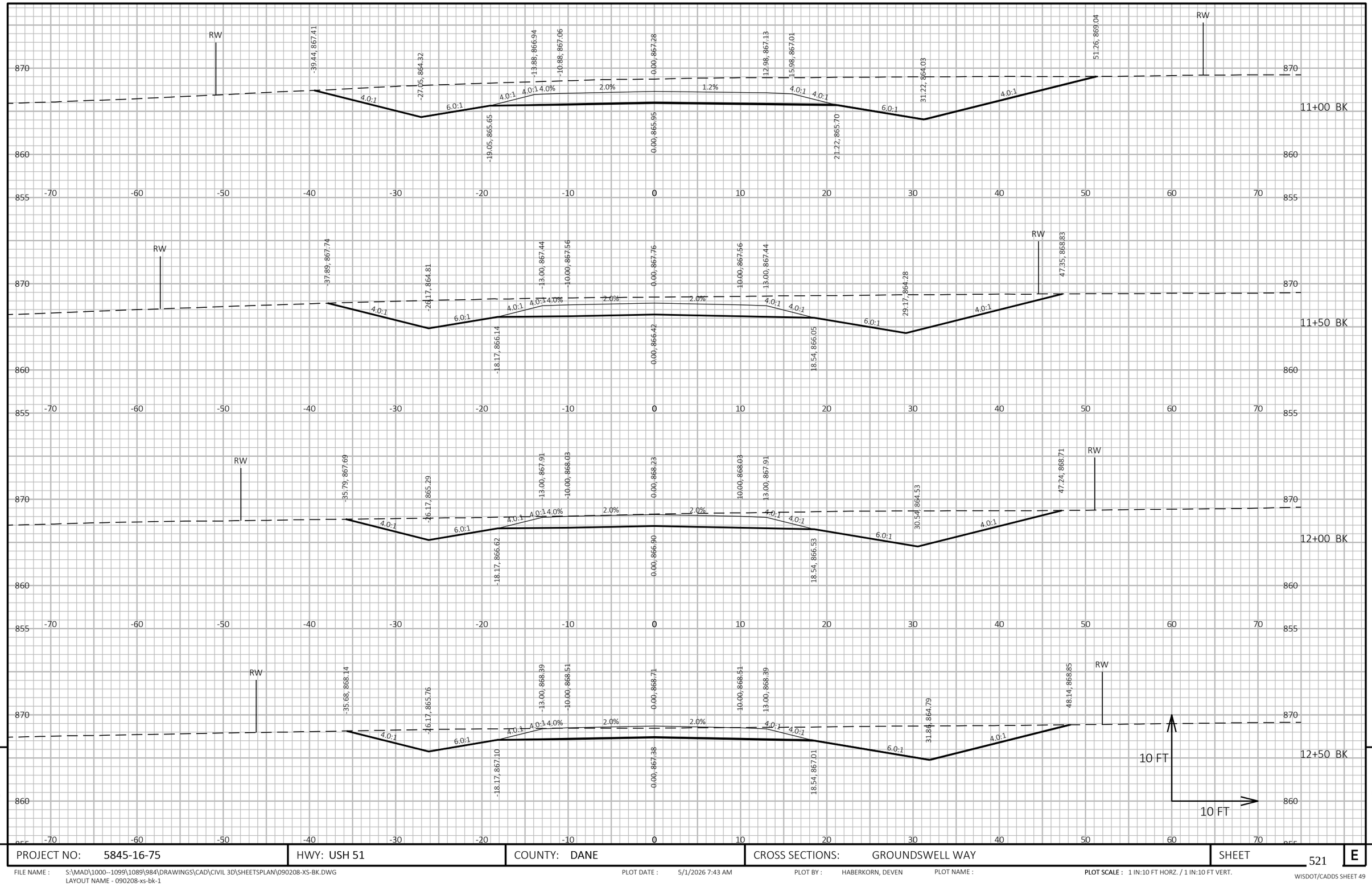
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: MH ALIGNMENT	SHEET 520	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090209-XS-MH-SIDEROAD.DWG
LAYOUT NAME - 090209-xs-mh-sideroad - MH-4

PLOT DATE : 5/1/2026 9:57 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

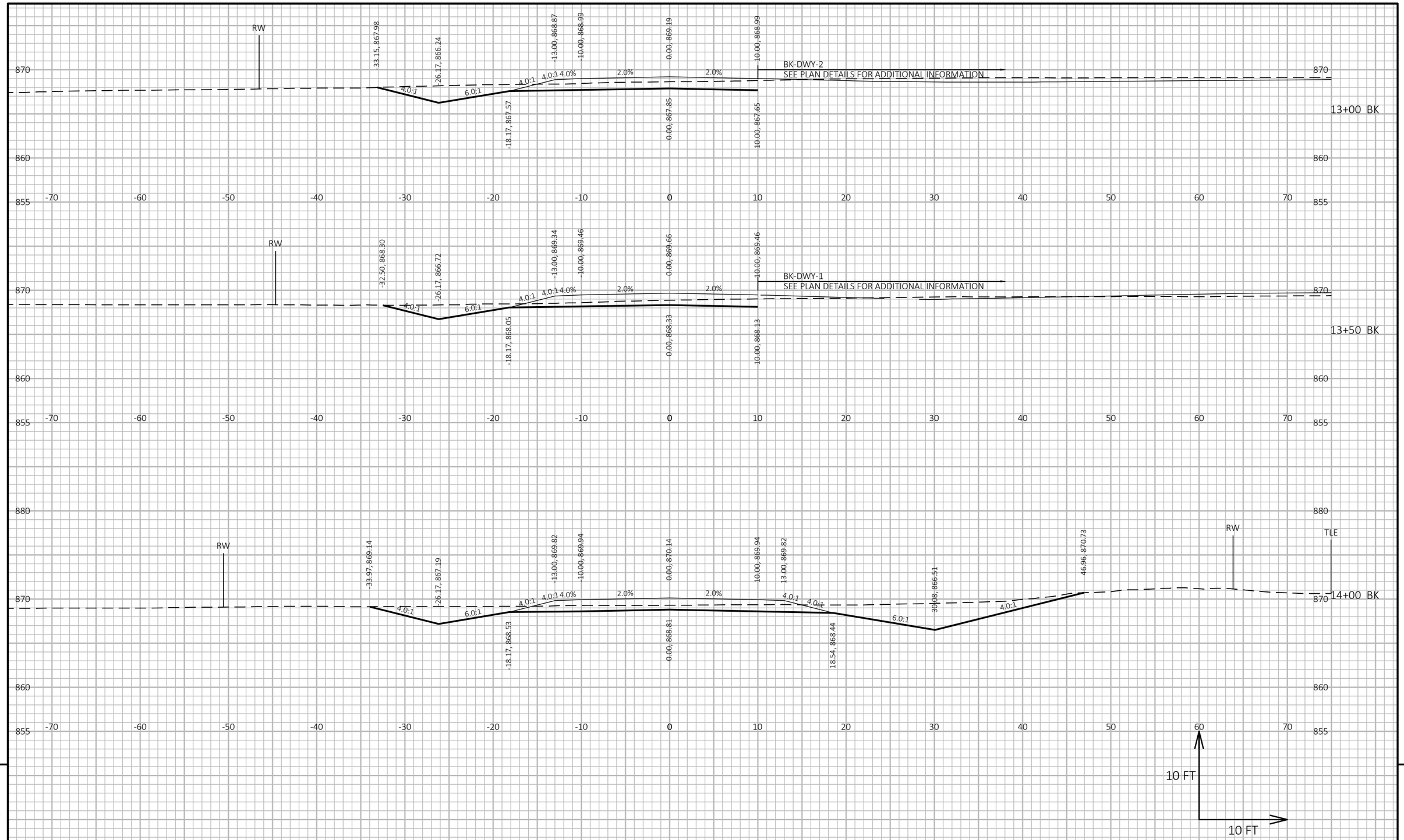
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: GROUNDSWELL WAY	SHEET 521	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090208-XS-BK.DWG
LAYOUT NAME - 090208-xs-bk-1

PLOT DATE : 5/1/2026 7:43 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

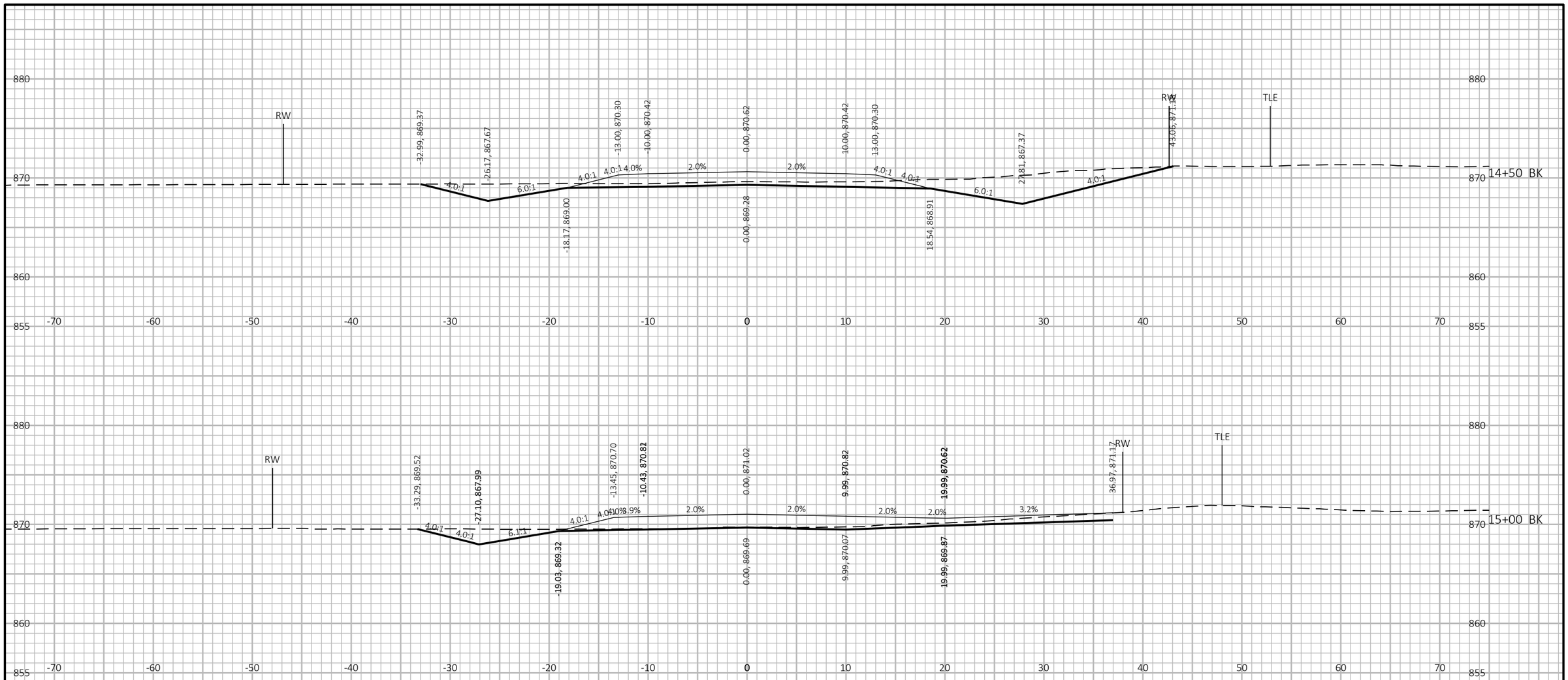
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: GROUNDSWELL WAY	SHEET 522	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090208-XS-BK.DWG
LAYOUT NAME - 090208-xs-bk-2

PLOT DATE : 5/1/2026 7:43 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



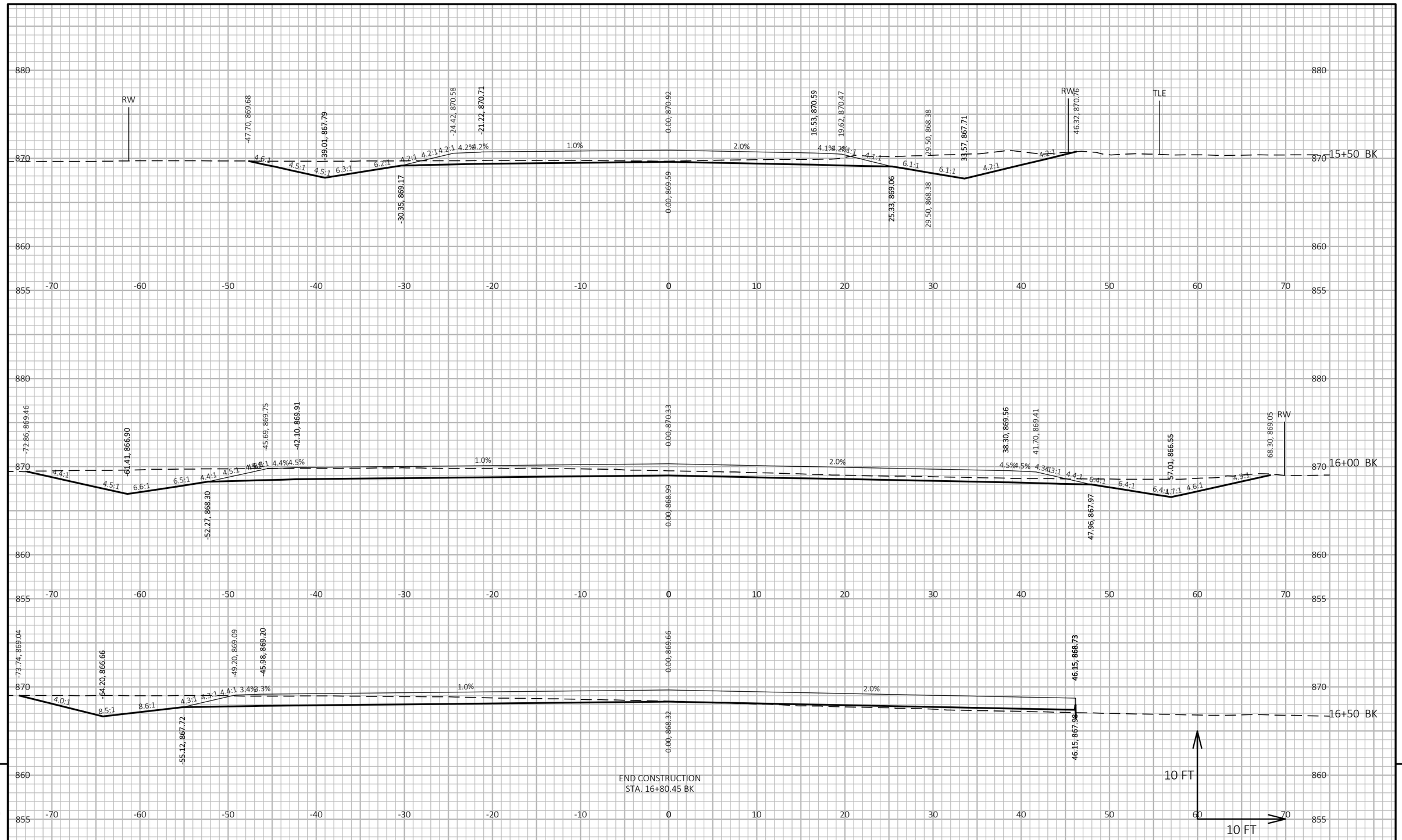
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: GROUNDSWELL WAY	SHEET 523	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090208-XS-BK.DWG
LAYOUT NAME - 090208-xs-bk-3

PLOT DATE : 5/1/2026 7:43 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

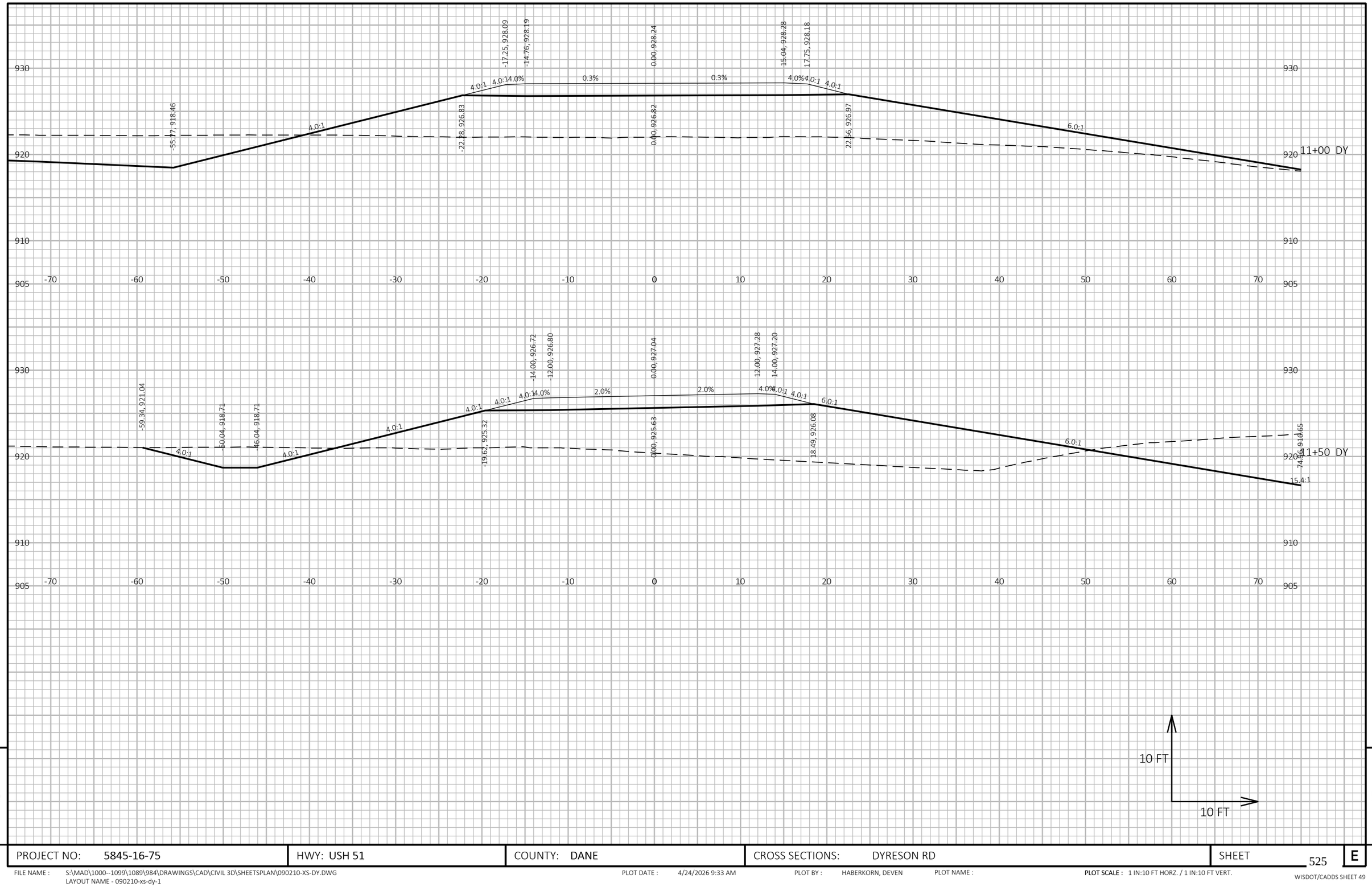
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: GROUNDSWELL WAY	SHEET 524	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090208-XS-BK.DWG
LAYOUT NAME - 090208-xs-bk-4

PLOT DATE : 5/1/2026 7:43 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

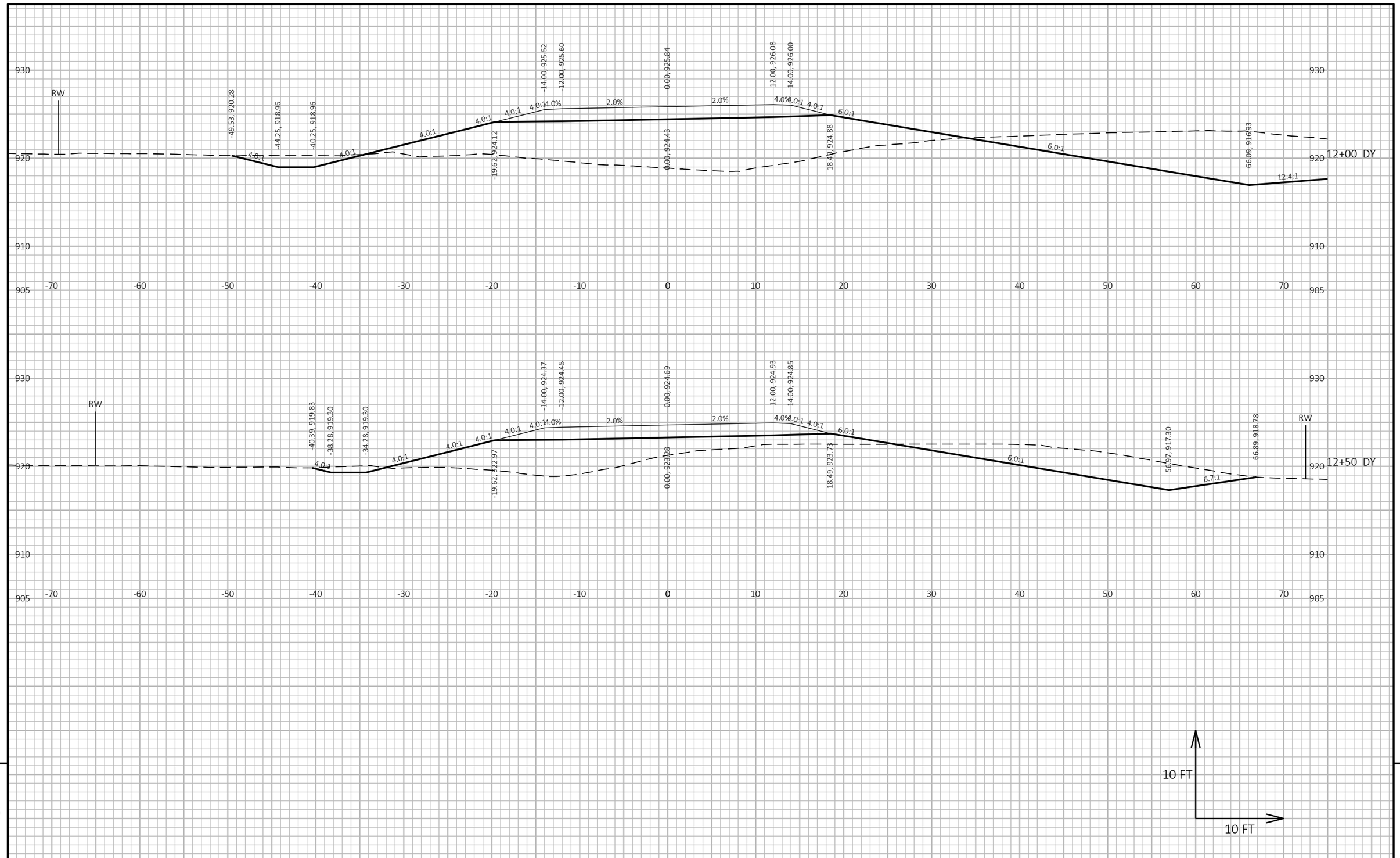


PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: DYRESON RD	SHEET 525	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090210-XS-DY.DWG
LAYOUT NAME - 090210-xs-dy-1

PLOT DATE : 4/24/2026 9:33 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



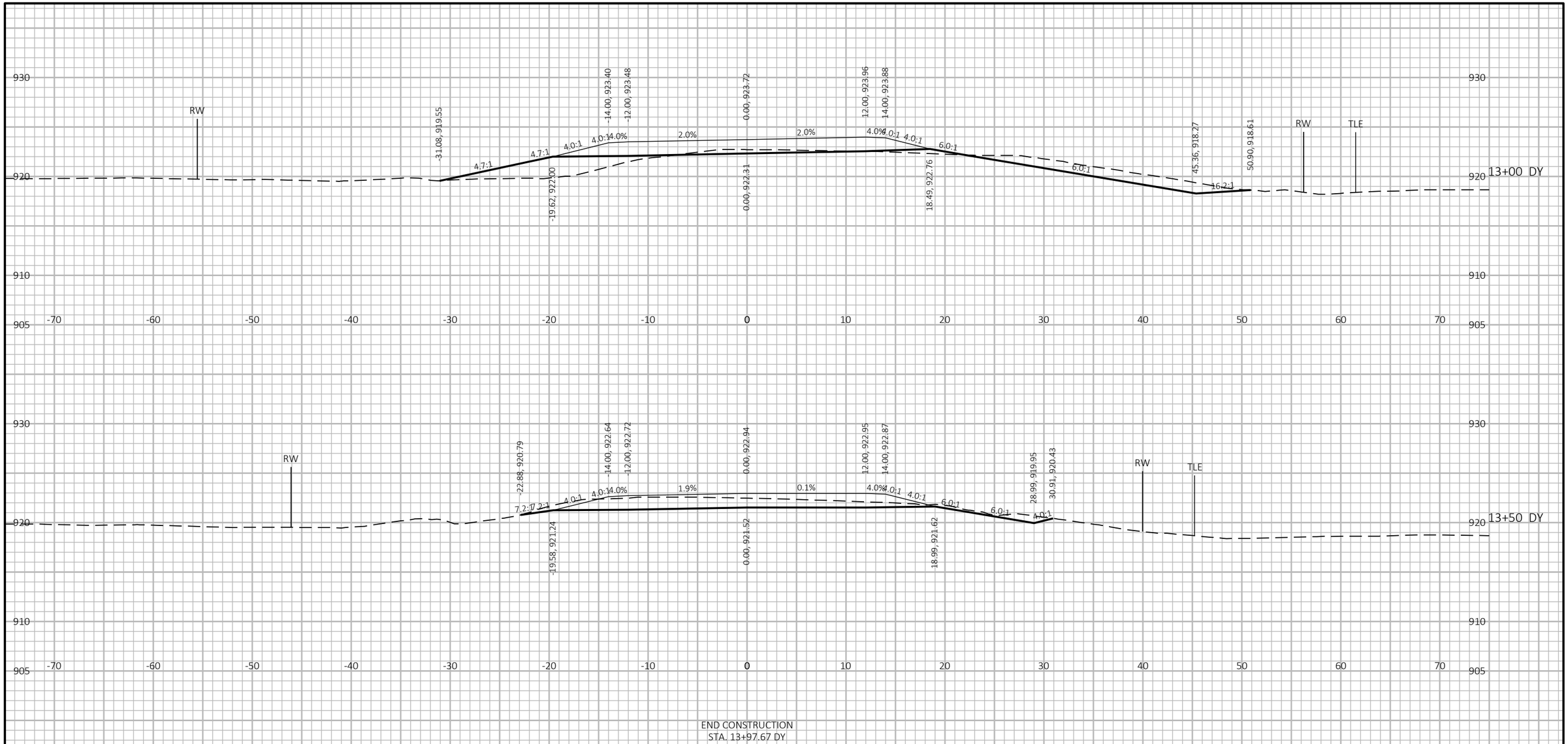
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: DYRESON RD	SHEET 526	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090210-XS-DY.DWG
LAYOUT NAME - 090210-xs-dy-2

PLOT DATE : 4/24/2026 9:34 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

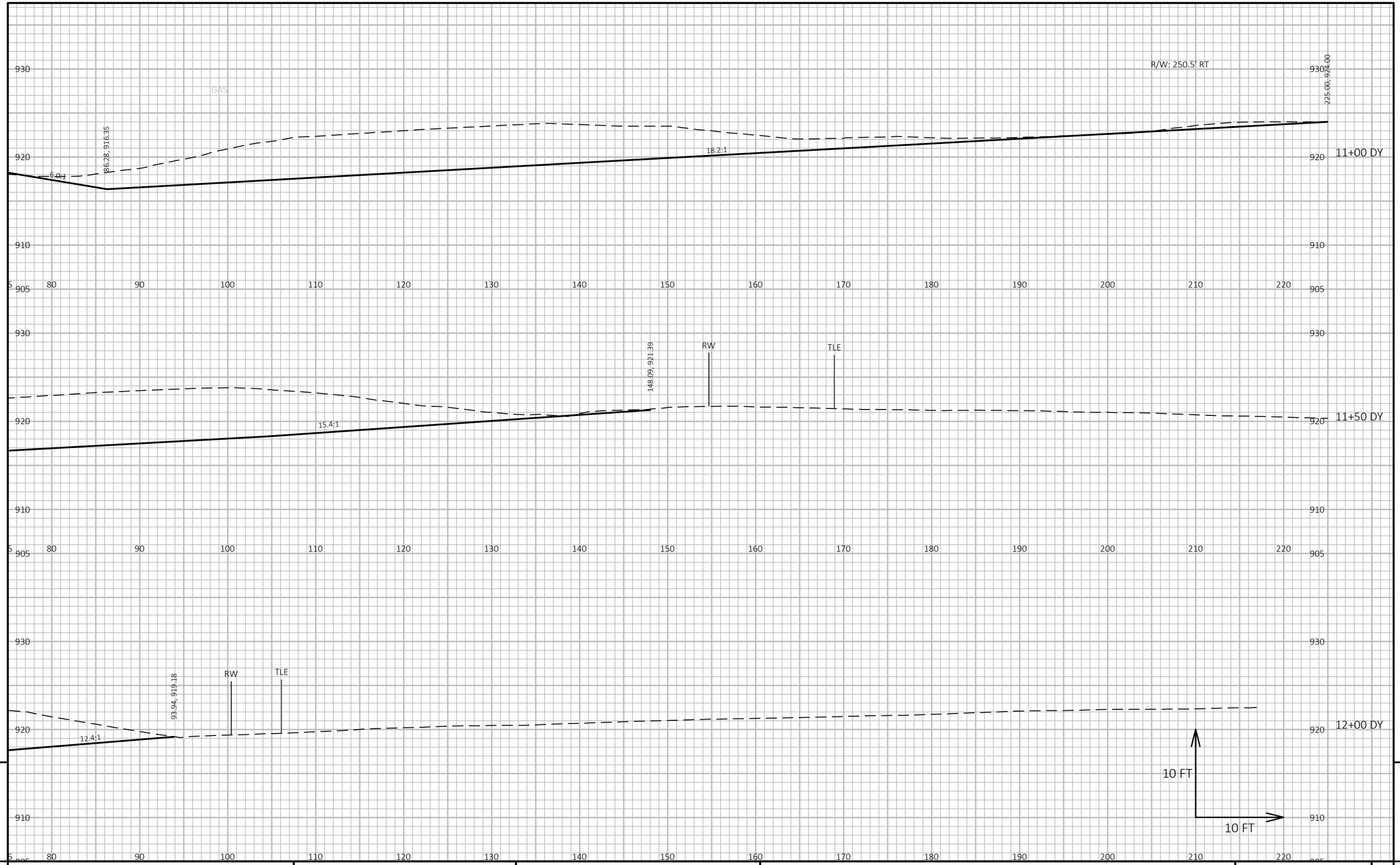
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: DYRESON RD	SHEET 527	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090210-XS-DY.DWG
LAYOUT NAME - 090210-xs-dy-3

PLOT DATE : 4/24/2026 9:34 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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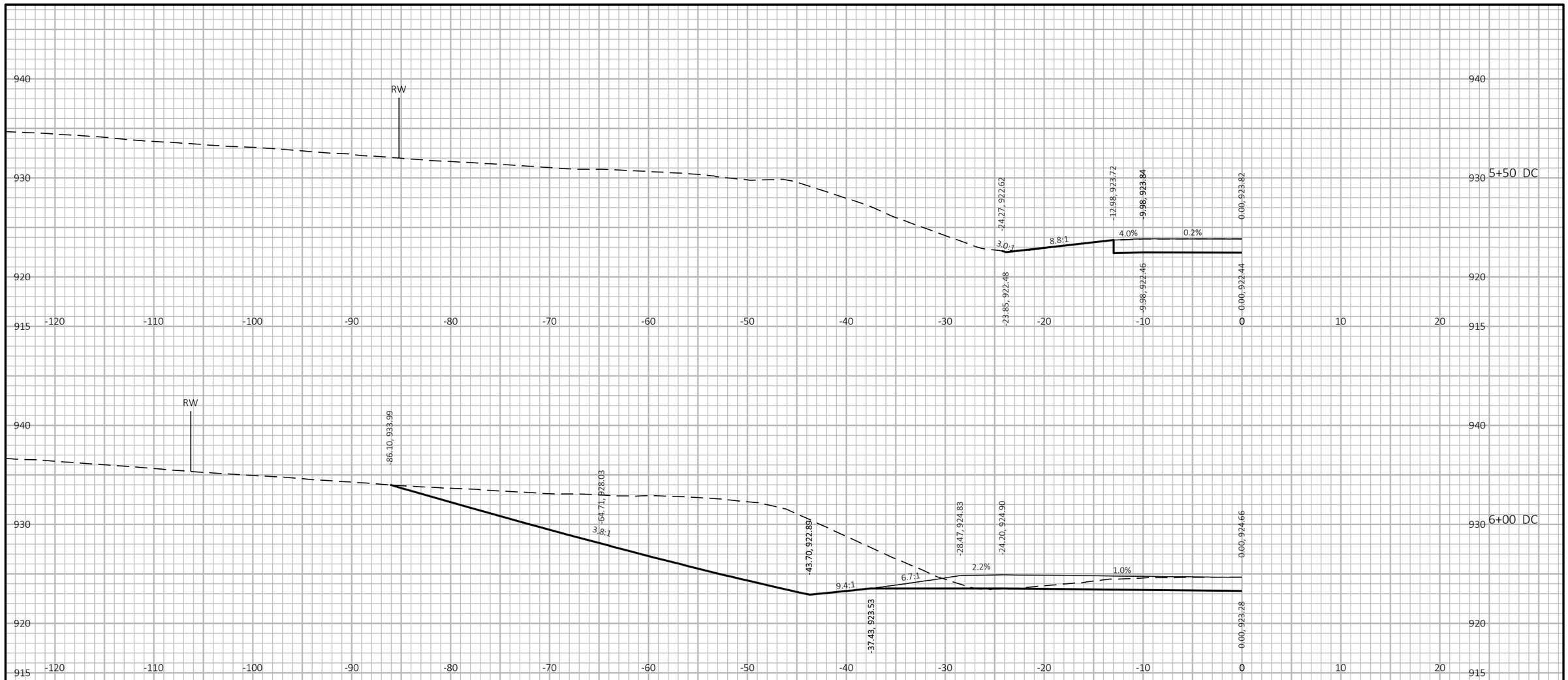
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: DYRESON RD - SUPPLEMENTAL	SHEET 528	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090210-XS-DY.DWG
LAYOUT NAME - 090210-xs-dy-4

PLOT DATE : 4/24/2026 9:34 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



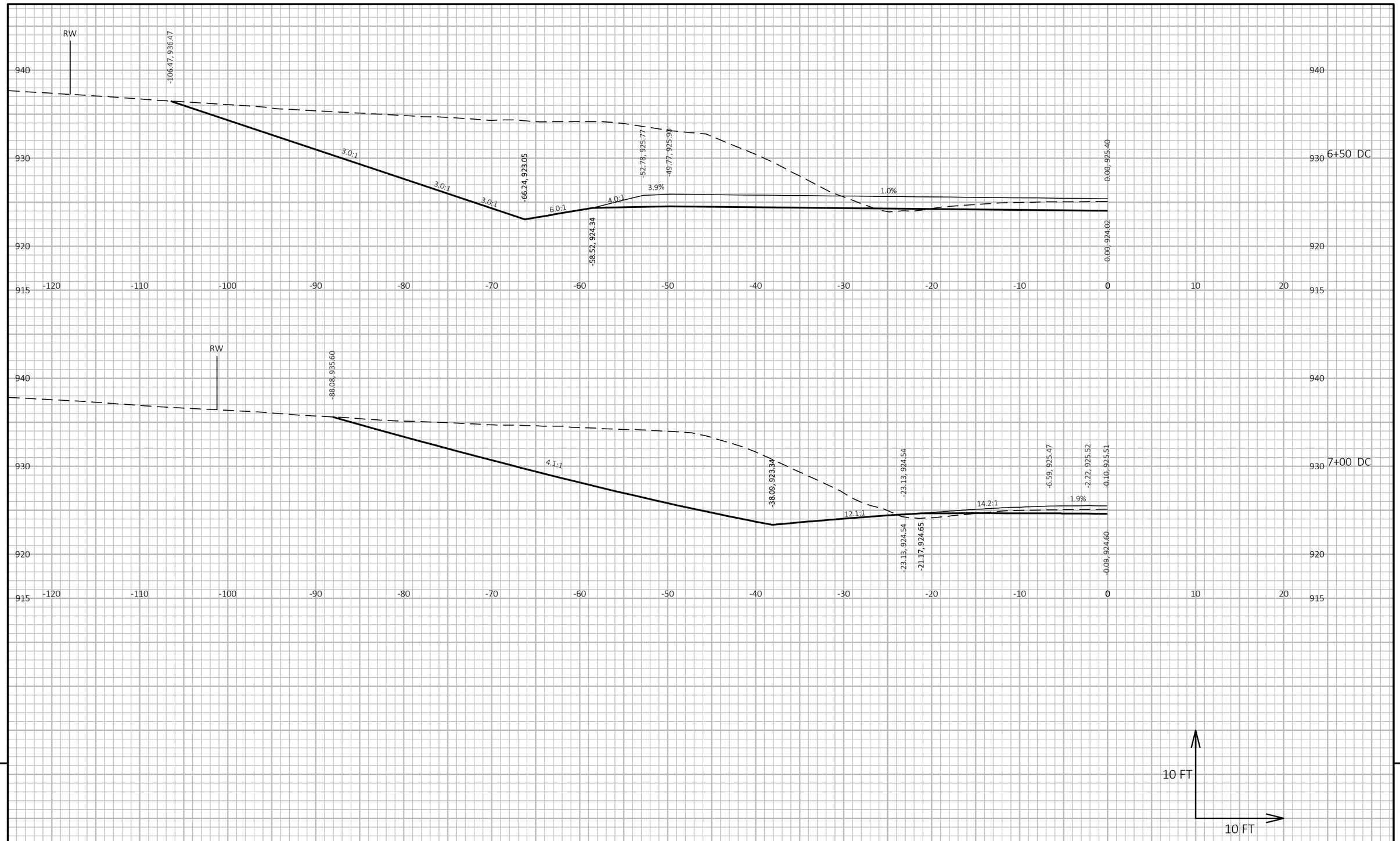
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FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090210-XS-DY-CDS.DWG
LAYOUT NAME - 090201-xs-dy-cds

PLOT DATE : 5/1/2026 7:36 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: DYRESON ROAD - CUL DE SAC - LT	SHEET 530	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090210-XS-DY-CDS.DWG
LAYOUT NAME - 090202-xs-dy-cds

PLOT DATE : 5/1/2026 7:36 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



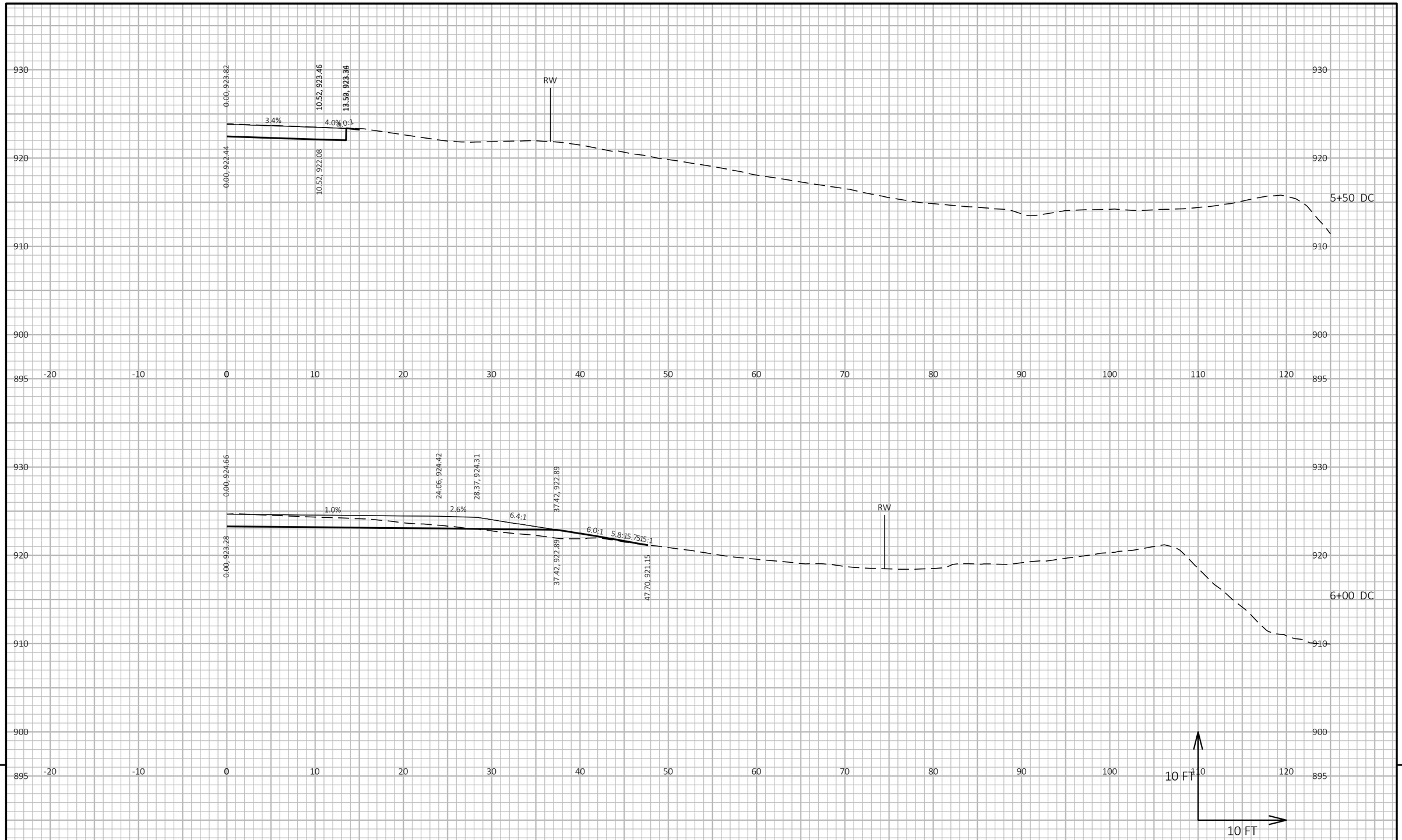
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: DYRESON ROAD - CUL DE SAC - LT	SHEET 531	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090210-XS-DY-CDS.DWG
LAYOUT NAME - 090203-xs-dy-cds

PLOT DATE : 5/1/2026 7:36 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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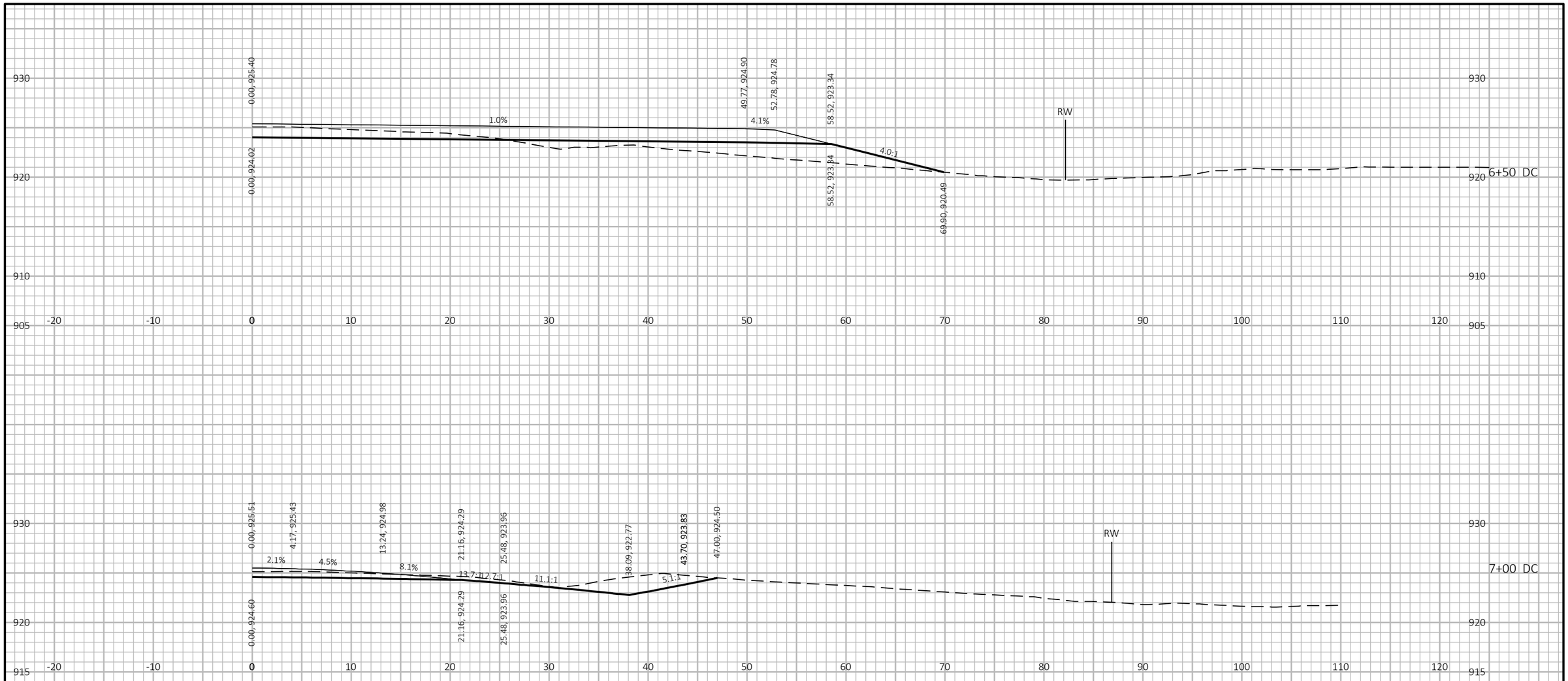
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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: DYRESON ROAD - CUL DE SAC - RT	SHEET 532	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090210-XS-DY-CDS.DWG
LAYOUT NAME - 090205-xs-dy-cds

PLOT DATE : 5/1/2026 7:36 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: DYRESON ROAD - CUL DE SAC - RT	SHEET 533	E

9

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090210-XS-DY-CDS.DWG
LAYOUT NAME - 090206-xs-dy-cds

PLOT DATE : 5/1/2026 7:37 AM PLOT BY : HABERKORN, DEVEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: BK DWY 1	SHEET 534	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 090211-xs-01

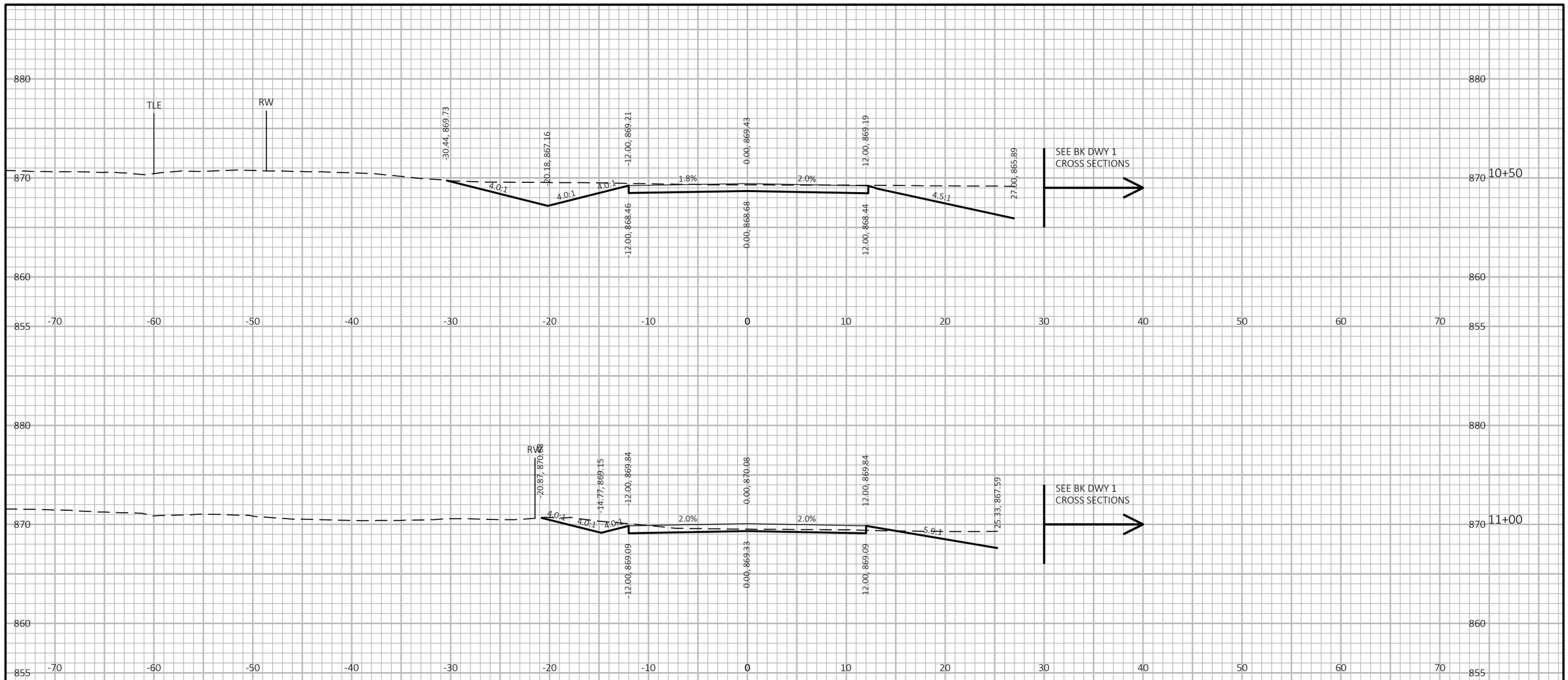
PLOT DATE : 5/1/2026 7:12 AM

PLOT BY : HABERKORN, DEVEN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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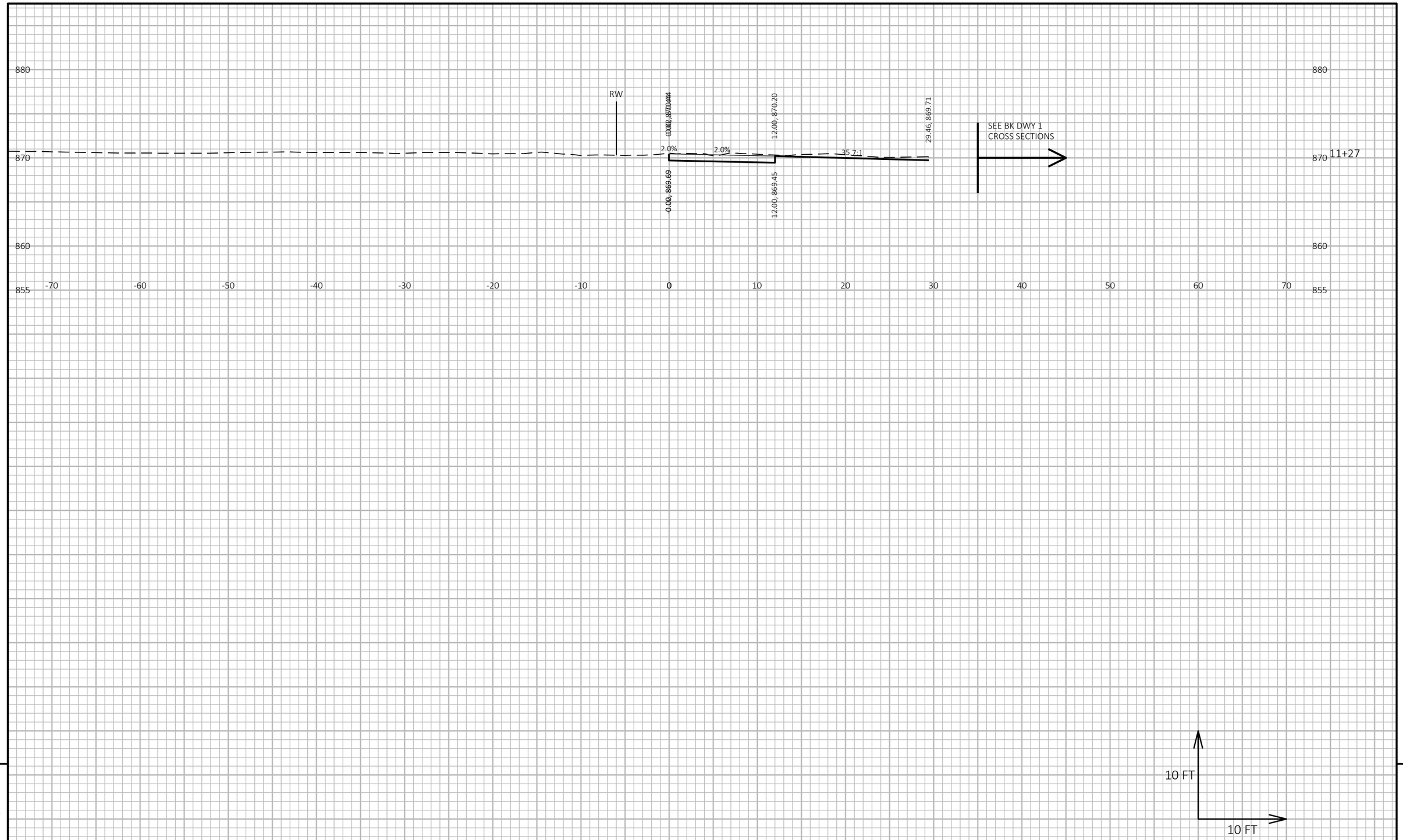
PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: BK DWY 2	SHEET 535	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 090211-xs-02

PLOT DATE : 4/24/2026 9:34 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5845-16-75	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: BK DWY 2	SHEET 536	E

FILE NAME : S:\MAD\1000--1099\1089\984\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090211-XS.DWG
LAYOUT NAME - 090211-xs-03

PLOT DATE : 4/24/2026 9:34 AM PLOT BY : HABERKORN, DEVEN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
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