EAU

NOVEMBER 2023

PROJECT ID: 7996-00-43

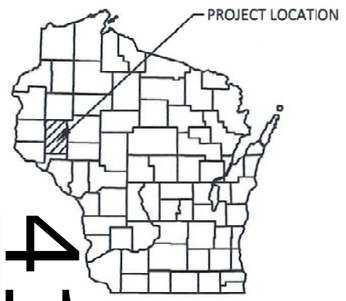
WITH: N/A

COUNTY: DUNN

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and 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 = 516



41

DESIGN DESIGNATION

A.A.D.T.	2022	=	9700
A.A.D.T.	2042	=	13,320
D.H.V.		=	8.4
D.D.		=	60/40
T.		=	34.2%
DESIGN SPEED		=	50 M.P.H.
ESALS		=	11,000,000

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 (55.36)
- CULVERT (Profile View)

UTILITIES

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

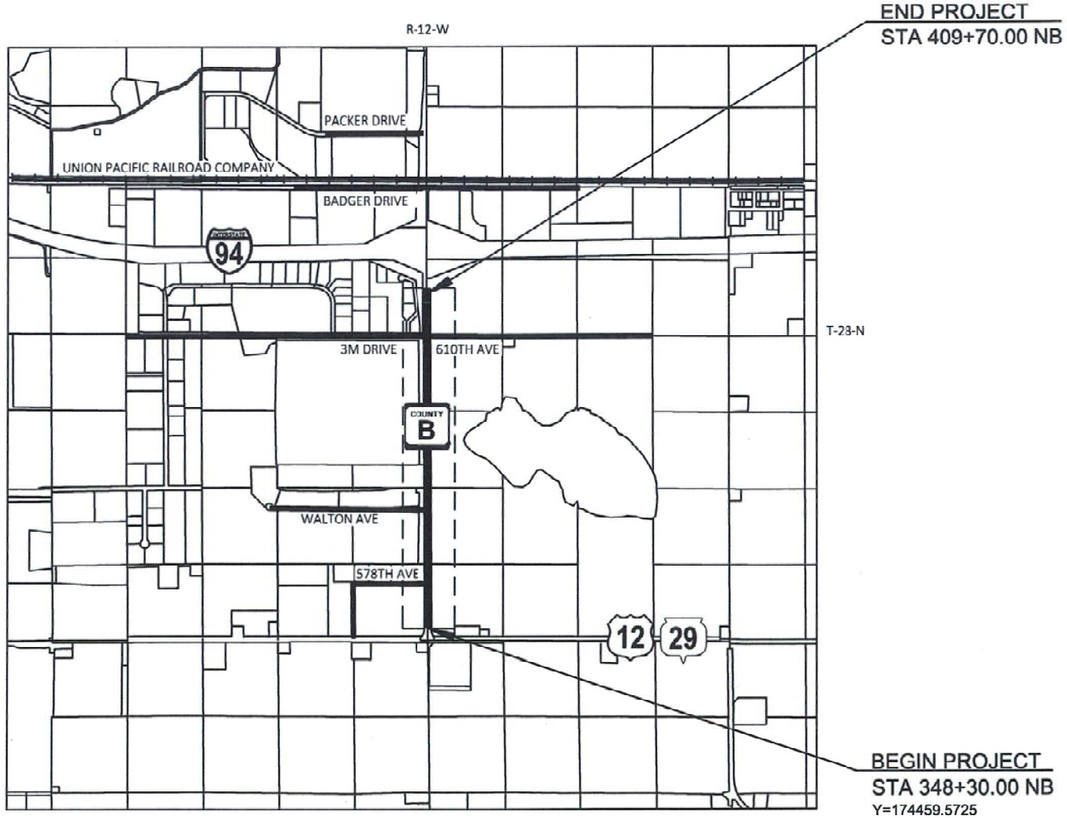
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

C MENOMONIE, CTH B
USH 12 TO EB IH 94 RAMPS
CTH B
DUNN COUNTY

STATE PROJECT NUMBER
7996-00-43

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
7996-00-43	WISC 2023248	1



LAYOUT

SCALE 0 0.5 MI

TOTAL NET LENGTH OF CENTERLINE = 1.163 MILES

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

ACCEPTED FOR

COUNTY of DUNN

01/20/2023 (Date) (Signature) HIGHWAY COMMISSIONER

ORIGINAL PLANS PREPARED BY

cbs²

WISCONSIN ROSS T. JOHNSON E-27897 EAU CLAIRE, WI PROFESSIONAL ENGINEER

7-19-2023

DATE (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	CBS SQUARED, INC
Designer	CBS SQUARED, INC
Project Manager	TYLER RONGSTAD, PE
Regional Examiner	TOU YANG, PE
Regional Supervisor	TYLER RONGSTAD, PE

APPROVED FOR THE DEPARTMENT

Tyler Rongstad

DATE (Signature)

E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\010101_TI.DWG

PLOT DATE : 7/19/2023 10:40 AM

PLOT BY : CHRIS BURNS

PLOT NAME :

GENERAL NOTES

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

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

THE EXACT LOCATION OF THE EROSION CONTROL DEVICES SHALL BE DETERMINED IN THE FIELD.

PIPE ELEVATIONS, LENGTHS AND LOCATIONS AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIX EXISTING FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL CURB AND GUTTER RADII, PAVEMENT DIMENSIONS AND STATIONS ARE SHOWN TO THE EDGE OF THE PAVEMENT UNLESS NOTED OTHERWISE.

A SAWED JOINT WILL BE REQUIRED WHERE NEW PAVEMENT IS TO MEET AN EXISTING PAVED SURFACE.

DISTURBED AREAS WITHIN THE RIGHT OF WAY EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, AND MULCHED.

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.

4" HMA PAVEMENT 4 LT 58-34S SHOULDERS SHALL BE PAVED IN ONE LIFT.

RUNOFF COEFFICIENT TABLE

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

TOTAL PROJECT AREA = 26.13 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 18.43 ACRES

CONTROL POINTS						
POINT	STATION	OFFSET	NORTH COORDS	EAST COORDS	ELEVATION	COMMENT
BM1	348+52.53 "NB"	-59.52 LT	174481.864	180338.092	891.597	SE BOLT LIGHT POLE
BM2	398+97.64 "NB"	-68.79 LT	179525.298	180251.518	902.406	NE BOLTLIGHT POLE
CP1	348+17.41 "NB"	-97.13 LT				DISTURBED
CP2	350+93.73 "NB"	-16.01 LT	174723.290	180380.347		3/4-INCH REBAR
CP3	364+54.60 "NB"	-16.40 LT	176083.369	180364.630		3/4-INCH REBAR
CP4	373+07.43 "NB"	-14.49 LT	176935.066	180319.738		3/4-INCH REBAR
CP5	385+16.33 "NB"	-15.09 LT	178144.319	180308.918		3/4-INCH REBAR
CP6	395+46.99 "NB"	-13.30 LT	179174.975	180305.205		3/4-INCH REBAR
CP7	396+49.82 "NB"	-60.62 LT	179278.867	180257.560		3/4-INCH REBAR
CP8	402+43.92 "NB"	-13.41 LT	179871.581	180304.974		3/4-INCH REBAR
CP9	408+82.04 "NB"	-18.44 LT	180509.893	180292.943		3/4-INCH REBAR
CP25000	0+00.00 "NB"	0.00	184316.312	188241.303	899.322	HARN

BORING LOG					
NO.	STA	OFFSET	CONC. THICKNESS (INCHES)	ASPHALT THICKNESS (INCHES)	BASE FILL (INCHES)
B-01	351+38.04"NB"	3.87' RT		4.75	10
B-02	358+04.07"NB"	19.22' RT		5.00	7
B-03	364+24.09"NB"	5.23' RT		5.50	8
B-04	369+49.66"NB"	17.66' RT		2.25	4
B-05	376+25.66"NB"	7.76' RT		4.75	7
B-06	382+95.72"NB"	19.82' RT		4.50	13
B-07	388+72.40"NB"	6.59' RT		4.50	8
B-08	394+68.34"NB	20.27' RT		5.00	8
B-09	401+77.47"NB"	1.68' RT	9.00		12
B-10	407+20.54"NB"	19.76' RT	10.00		12
B-11	351+39.72"SB"	6.12' LT		5.75	7
B-12	358+12.10"SB"	20.54' LT		5.50	6
B-13	364+24.79"SB"	6.54' LT		4.75	8
B-14	369+53.77"SB"	21.02' LT		6.00	7
B-15	376+32.63"SB"	6.52' LT		4.75	7
B-16	382+87.96"SB"	19.12' LT		4.75	8
B-17	388+80.56"SB"	4.06' LT		4.50	12
B-18	394+78.27"SB"	14.87' LT		5.75	6
B-19	403+03.39"SB"	3.32' LT	9.00		4
B-20	407+25.57"SB"	19.12' LT	9.50		8

AT&T
305 S DEWEY STREET
EAU CLAIRE, WI 54701
RICK PODOLAK
(715) 839-5565 (OFFICE)
(715) 410-0656 (CELL)
RP4514@ATT.COM

CENTURYLINK - COMMUNICATION
5480 FELTI ROAD
MINNETONKA, MN 55343
PAUL POLK
(952) 351-2330 (OFFICE)
(651) 202-1431 (CELL)

WEST WISCONSIN TELCOM - COMMUNICATION
P.O. BOX 115
DOWNSVILLE, WI 54751
BRAD SCHMIDTKNECHT
(715) 231-0504 (OFFICE)
(715) 308-1914 (CELL)
BRADS@WWT.COOP

WINDSTREAM NTI - COMMUNICATION
314 N. DANZ AVE
GREEN BAY, WI 54302
LORI KETTER
(920) 410-6902 (OFFICE)
LORI.KETTER@WINDSTREAM.COM

XCEL ENERGY - ELECTRICITY DISTRIBUTION
320 HELLER ROAD
MENOMONIE, WI 54751
TRAVIS WERLEIN
(715) 232-7415 (OFFICE)
(715) 495-3441 (CELL)
TRAVIS.A.WERLEIN@XCELENERGY.COM

XCEL ENERGY - ELECTRICITY TRANSMISSION
414 NICOLLET MALL 5TH FLOOR
MINNEAPOLIS, MN 55401
MITCHELL DIENGER
(612) 321-3109 (OFFICE)
MITCHELL.A.DIENGER@XCELENERGY.COM

XCEL ENERGY - GAS/PETROLEUM
Q3 CONTRACTING, INC.
3066 SPRUCE STREET
LITTLE CANADA, MN 55117
JASON KLUGOW
(651) 224-2424 (OFFICE)
(612) 369-9146 (CELL)
JKLUGOW@PRIM.COM

CITY OF MENOMONIE - SEWER
PAUL STERK
WASTEWATER UTILITY SUPERINTENDENT
800 WILSON AVENUE
MENOMONIE, WI 54751
(715) 232-2175 (OFFICE)
(715) 308-6223 (CELL)
PSTERK@MENOMONIE-WI.GOV

CITY OF MENOMONIE - WATER
621 11TH AVE W.
MENOMONIE, WI 54751
JEREMY HOYT
(715) 232-2395 (OFFICE)
HOYT@MENOMONIE-WI.GOV

DUNN COUNTY
DUSTIN BINDER
HIGHWAY COMMISSIONER
3303 HIGHWAY 12 EAST
MENOMONIE, WI 54751
(715) 232-2181 (OFFICE)
(715) 231-6587 (CELL)
DBINDER@CO.DUNN.WI.US

CITY OF MENOMONIE
800 WILSON AVE
MENOMONIE, WI 54751
DAVID SCHOFIELD
DIRECTOR OF PUBLIC WORKS
(715) 232-2221 X1020 (OFFICE)
(715) 619-6246 (CELL)
DSCHOFIELD@MENOMONIE-WI.GOV

WISDOT CONTACT (REGION)
TYLER RONGSTAD
PDS SUPERVISOR
718 WEST CLAIREMONT AVE
EAU CLAIRE, WI 54701
(715) 461-0372 (CELL)
TYLER.RONGSTAD@DOT.WI.GOV

WISDOT CONTACT (BOT)(IH94)
JOHN MITTELSTADT
433 WEST ST PAUL AVE
SUITE 300
MILWAUKEE, WI 53203
(608) 205-7859 (CELL)

WISCONSIN DNR
LEAH NICOL
DNR LIAISON
1300 WEST CLAIREMONT AVE
EAU CLAIRE, WI 54701
(715) 934-9014 (OFFICE)
LEAH.NICOL@WISCONSIN.GOV

DESIGN CONSULTANT
ROSS JOHNSON
CBS SQUARED, INC.
770 TECHNOLOGY WAY
CHIPPEWA FALLS, WI 54729
(715) 861-2236 (OFFICE)
(715) 579-4175 (CELL)
RJOHNSON@CBSSQUAREDINC.COM

AIRPORT MANAGER
DARRELL GIBSON
1400 INDIANHEAD DRIVE
MENOMONIE, WI 54751
(715) 220-6549 (OFFICE)
DARREL@GIBSONAVIATION.COM

DATUM
HORIZ: NAD 83 (2011), WISCRS DUNN CO.
VERT: NAVID 88 (2012), GEOID WI-12A

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

2

2

CITY OF
MENOMONIE

N

MENOMONIE
MUNICIPAL
AIRPORT

USH 12/STH 29

578TH AVE

WALTON AVE

DISTRIBUTION DRIVEWAY

3M DRIVE

IH 94

BADGER DRIVE

PACKER DRIVE

OFF-RAMP

ON-RAMP

BEGIN PROJECT
STA 348+30 'SB'

END PROJECT
STA 409+38.21 'SB'

BEGIN CONSTRUCTION
STA 14+49.12 'B'

610TH ST

350'SB' 360'SB' 370'SB' 380'SB' 390'SB' 400'SB' 409+38.21 -32.09' LT 420'SB' 430'SB' 440'SB'

350 NB 360 NB 370 NB 380 NB 390 NB 400 NB 420 NB 420 NB 430 NB 440 NB

END CONSTRUCTION
STA 12+75.26 'C'

610TH AVE

END PROJECT TRAFFIC CONTROL
STA 445+00 'NB'

BEGIN PROJECT
STA 348+30 'NB'

628TH AVE

END PROJECT
STA 409+70.60 'NB'

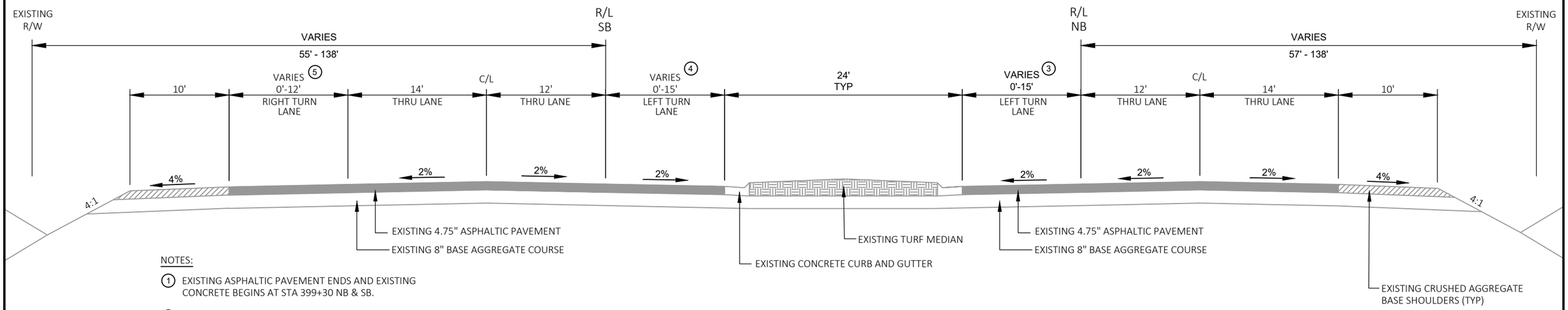
UNNAMED

TOWN OF RED
CEDAR

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PROJECT OVERVIEW	SHEET 3	E

NOTES:

1. EXISTING HMA PAVEMENT ENDS AND EXISTING CONCRETE BEGINS AT STA 399+30 NB & SB.
2. EXISTING MEDIAN BEGINS AT STA 398+40 NB.
3. EXISTING MEDIAN ENDS AT STA 407+78 SB.



NOTES:

1. EXISTING ASPHALTIC PAVEMENT ENDS AND EXISTING CONCRETE BEGINS AT STA 399+30 NB & SB.
2. EXISTING MEDIAN BEGINS AT STA 398+40 NB.

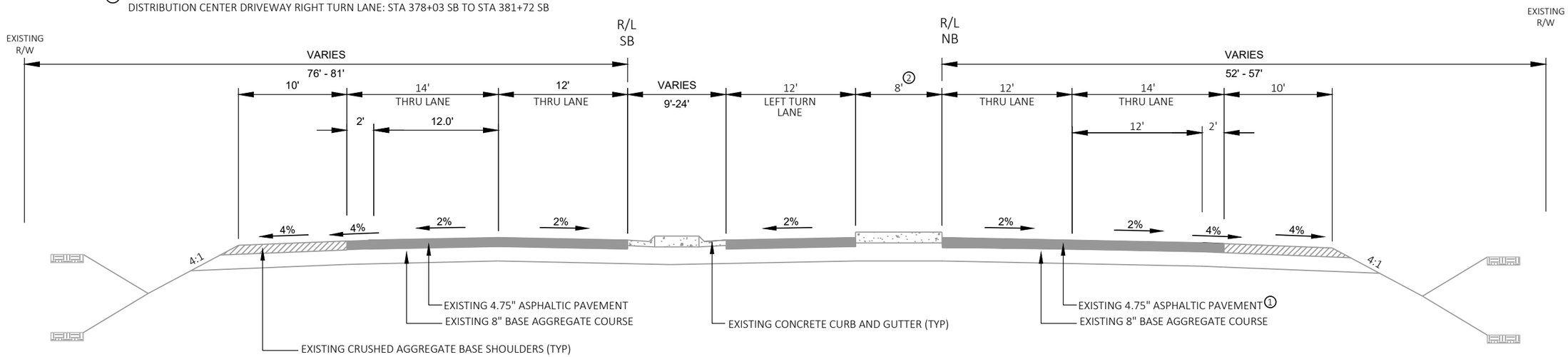
CTH B NB

3. 578TH AVENUE LEFT TURN LANE: STA 353+72 NB TO STA 356+20 NB
   WALTON AVENUE LEFT TURN LANE: STA 367+03 NB TO STA 369+51 NB
   DISTRIBUTION CENTER DRIVEWAY LEFT TURN LANE: STA 374+11 NB TO STA 377+10 NB

CTH B SB

4. USH 29 LEFT TURN LANE: STA 348+30 SB TO STA 350+20 SB
5. 578TH AVENUE RIGHT TURN LANE: STA 357+55 SB TO STA 361+71 SB
   DISTRIBUTION CENTER DRIVEWAY RIGHT TURN LANE: STA 378+03 SB TO STA 381+72 SB

TYPICAL EXISTING SECTION
CTH B
STA 348+30 NB TO STA 397+13 NB
STA 348+30 SB TO STA 397+13 SB

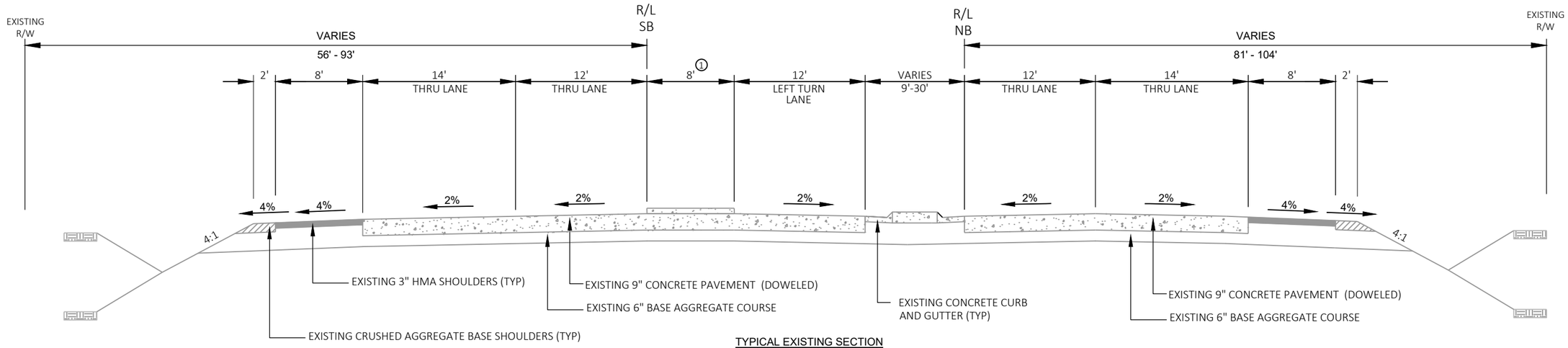


TYPICAL EXISTING SECTION
CTH B
STA 397+13 NB TO STA 399+43 NB
STA 397+13 SB TO STA 399+43 SB

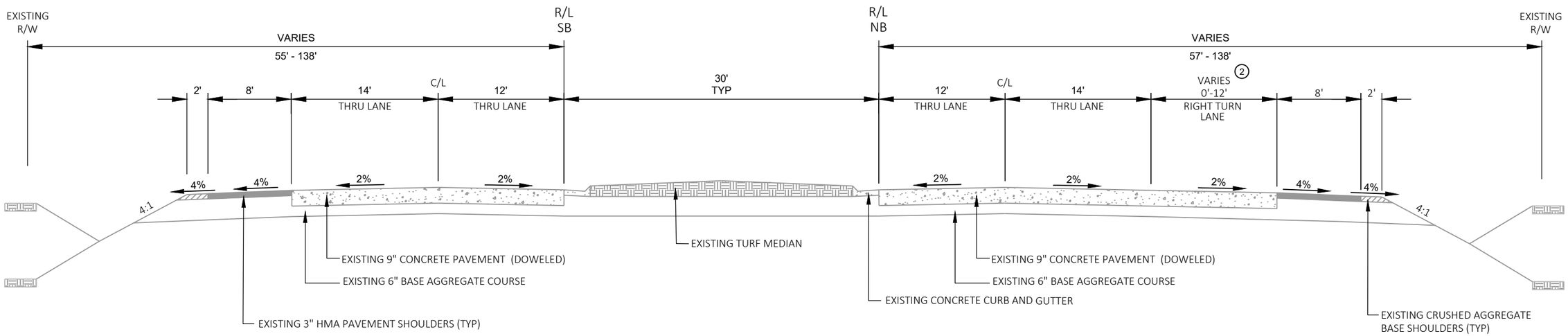
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN: TYPICAL SECTIONS	SHEET 4	E

NOTES:

1. EXISTING MEDIAN ENDS AT STA 407+78 SB.
2. EASTBOUND RAMP TO 94 RIGHT TURN LANE: STA 407+00 NB TO STA 409+70 NB



TYPICAL EXISTING SECTION
CTH B
STA 399+43 NB TO STA 403+90 NB
STA 399+43 SB TO STA 403+90 SB

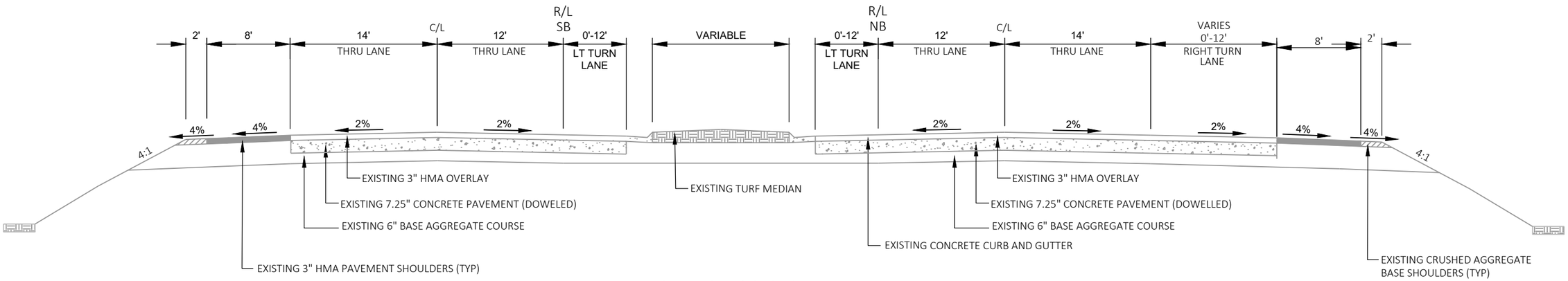


TYPICAL EXISTING SECTION
CTH B
STA 403+90 NB TO STA 409+70 NB
STA 403+90 SB TO STA 408+38 SB

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN: TYPICAL SECTIONS	SHEET 5	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - TS_EXIST (2)
PLOT DATE : 6/27/2023 11:48 AM PLOT BY : ED OCHS PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

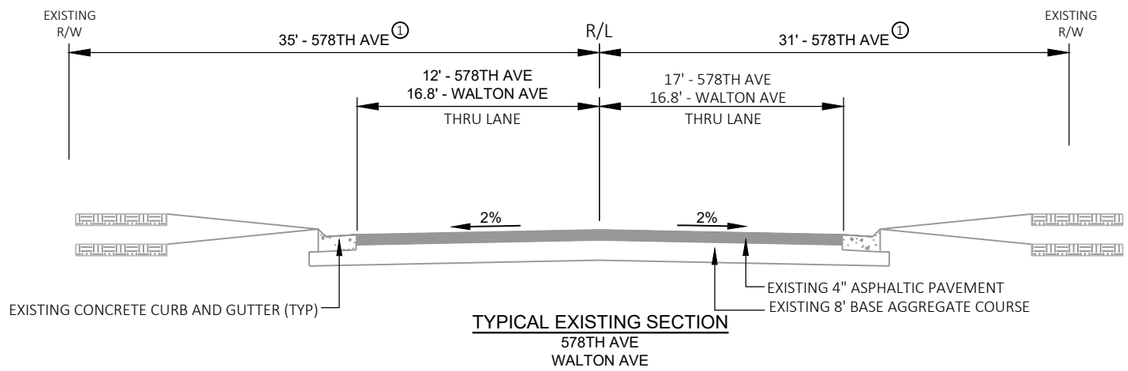


TYPICAL EXISTING SECTION

CTH B
STA 409+70 NB TO STA 413+74 NB
STA 415+82 NB TO STA 419+68 NB
STA 408+38 SB TO STA 413+74 SB
STA 415+82 SB TO STA 421+20 SB

NOTES:

① WALTON AVE FINISHED TYPICAL IS WITHIN THE EXISTING CTH B R/W.



TYPICAL EXISTING SECTION

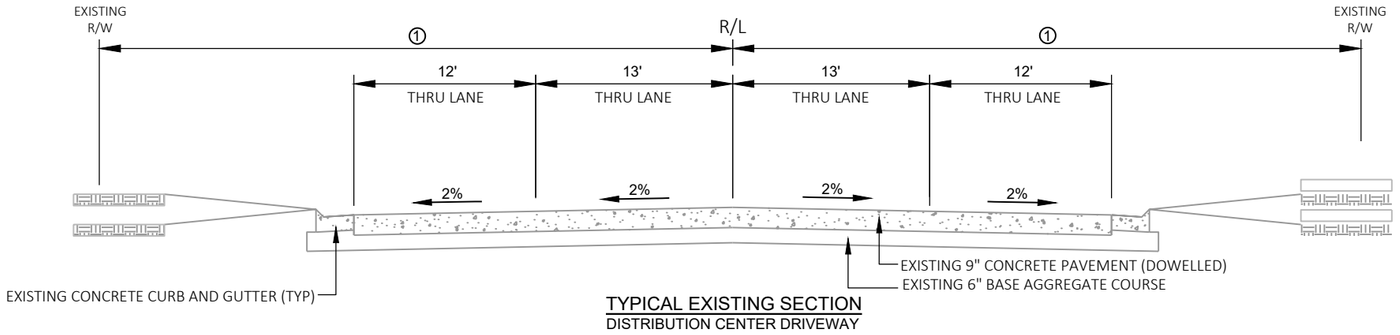
578TH AVE
WALTON AVE

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN: TYPICAL SECTIONS	SHEET 6	E

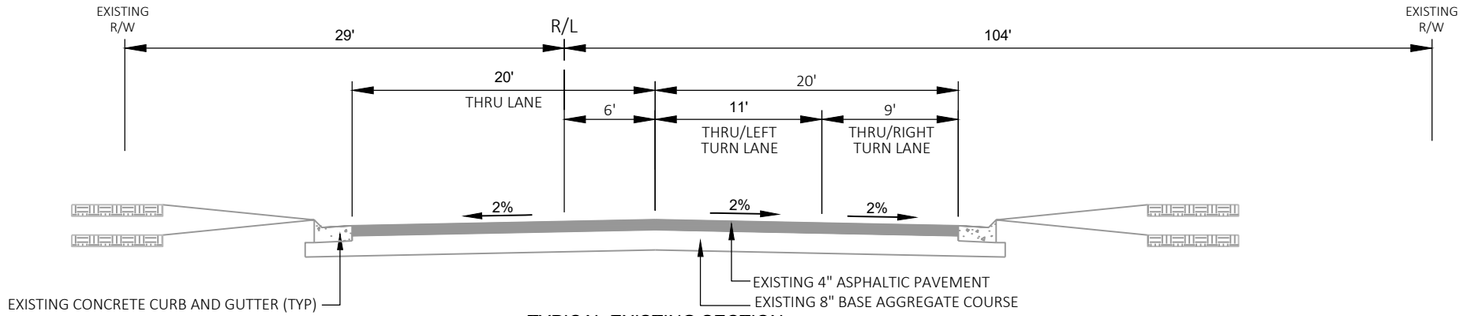
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PLOT DATE : 6/27/2023 11:48 AM
PLOT BY : ED OCHS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

NOTES:

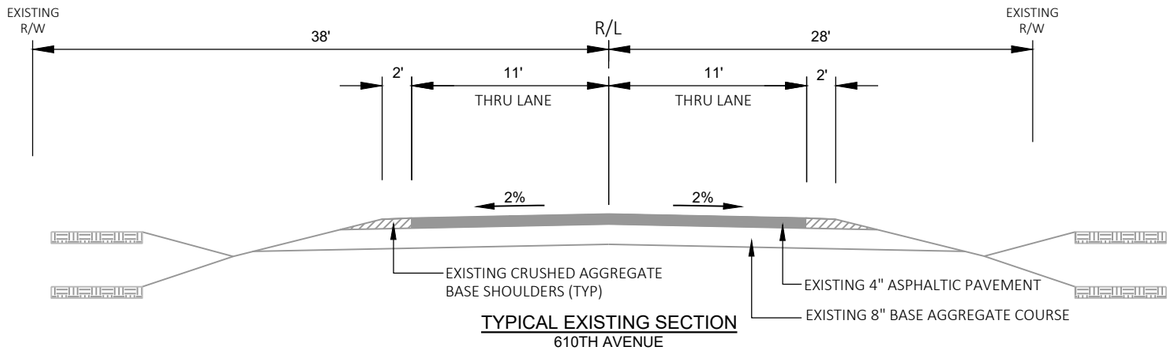
① DISTRIBUTION CENTER DRIVE FINISHED TYPICAL IS WITHIN THE EXISTING CTH B R/W.



TYPICAL EXISTING SECTION
DISTRIBUTION CENTER DRIVEWAY

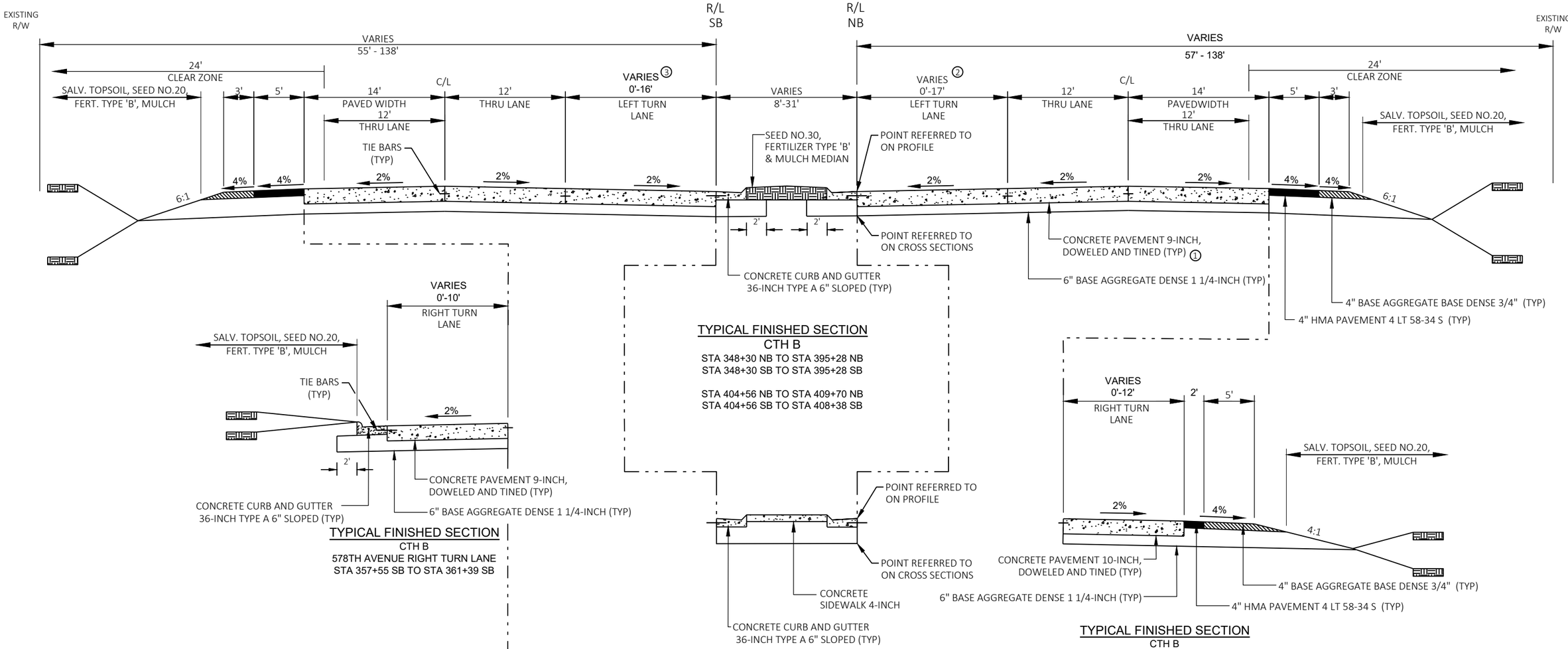


TYPICAL EXISTING SECTION
3M DRIVE



TYPICAL EXISTING SECTION
610TH AVENUE

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN: TYPICAL SECTIONS	SHEET 7	E



NOTES:

① BEGIN 10" CONCRETE PAVEMENT AT STA 371+86.61 NB AND SB.

② CTH B NB
CONCRETE PAVEMENT 9-INCH, DOWELED AND TINED
578TH AVENUE LEFT TURN LANE: STA 352+02 NB TO STA 356+15 NB
WALTON AVENUE LEFT TURN LANE: STA 365+46 NB TO STA 369+60 NB
CONCRETE PAVEMENT 10-INCH, DOWELED AND TINED
DISTRIBUTION CENTER DRIVEWAY LEFT TURN LANE: STA 373+07 NB TO STA 377+12 NB

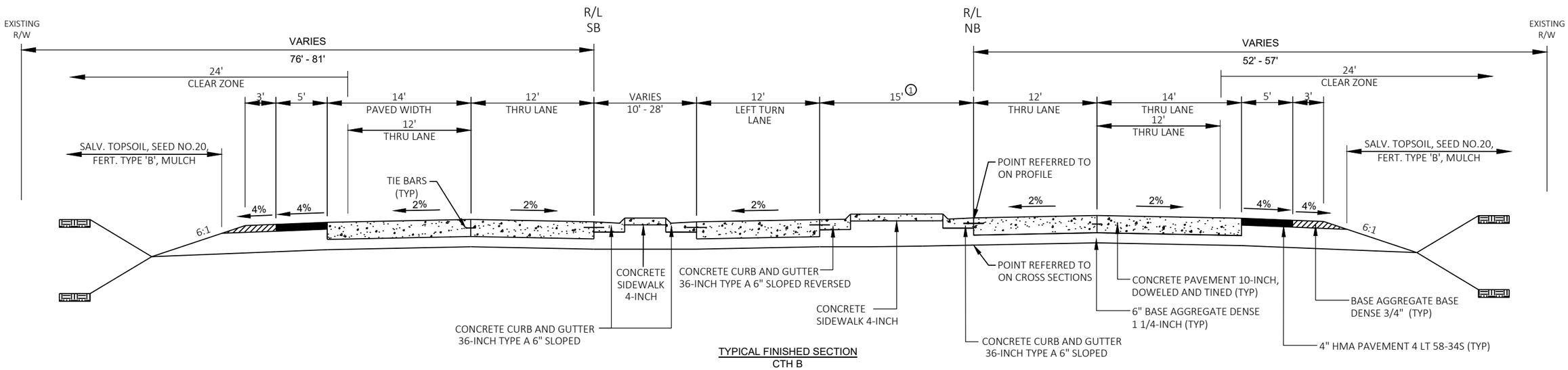
③ CTH B SB
CONCRETE PAVEMENT 9-INCH, DOWELED AND TINED
USH 29/STH 12 LEFT TURN LANE: STA 348+30 SB TO STA 351+86 SB

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN: TYPICAL SECTIONS	SHEET 8	E

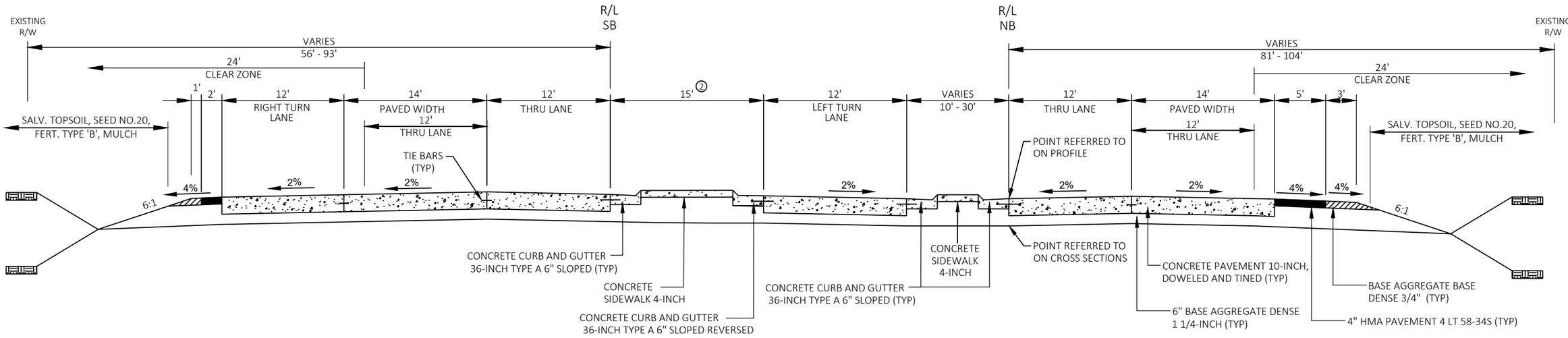
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LAYOUT NAME - TS_PROP
PLOT DATE : 6/27/2023 11:48 AM
PLOT BY : ED OCHS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

NOTES:

1. PROPOSED MEDIAN BEGINS AT STA 398+59 NB.
2. PROPOSED MEDIAN ENDS AT STA 401+24 SB.



TYPICAL FINISHED SECTION
CTH B
STA 395+28 NB TO STA 399+72 NB
STA 395+28 SB TO STA 399+72 SB

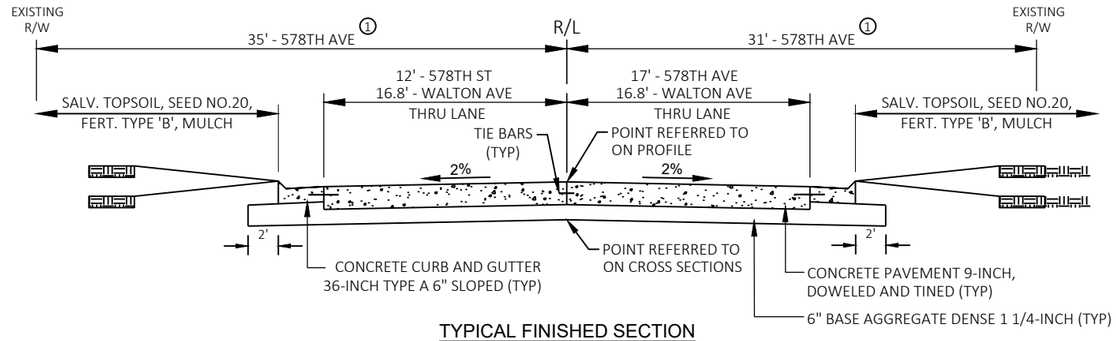


TYPICAL FINISHED SECTION
CTH B
STA 399+72 NB TO STA 404+56 NB
STA 399+72 SB TO STA 404+56 SB

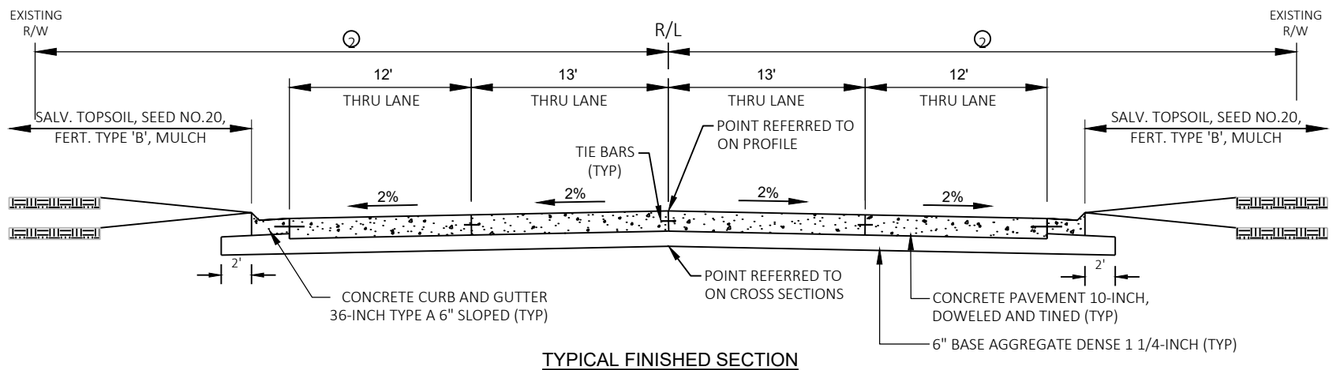
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN: TYPICAL SECTIONS	SHEET 9	E

NOTES:

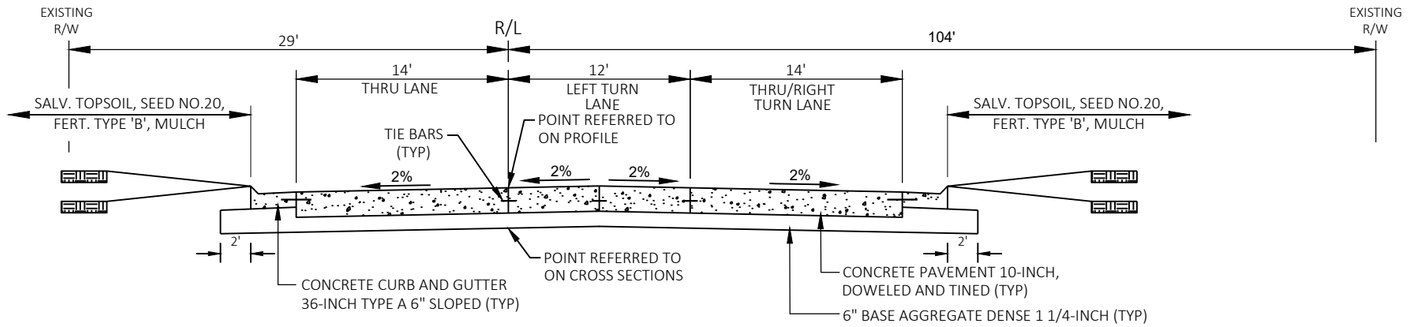
1. WALTON AVE FINISHED TYPICAL IS WITHIN THE EXISTING CTH B R/W.
2. DISTRIBUTION CENTER DRIVE FINISHED TYPICAL IS WITHIN THE EXISTING CTH B R/W.



TYPICAL FINISHED SECTION
578TH AVE - STA 10+78
WALTON AVE - STA 10+81

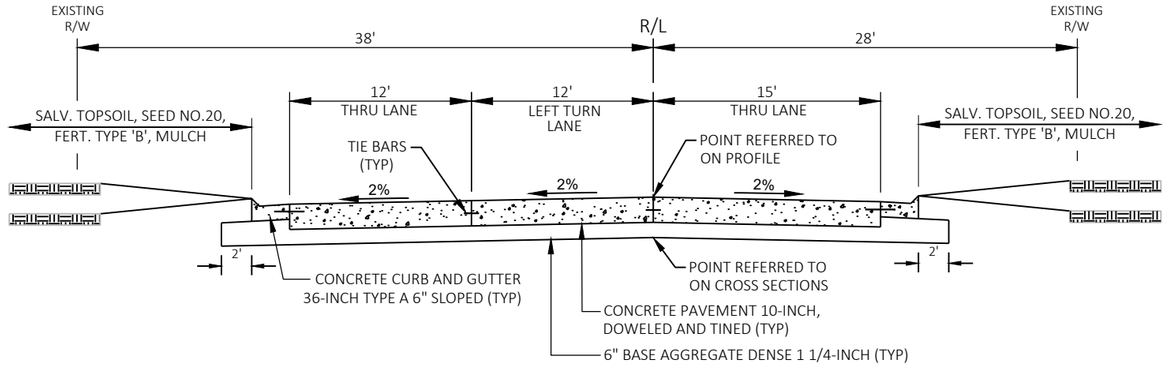


TYPICAL FINISHED SECTION
DISTRIBUTION CENTER DRIVEWAY - STA 12+62

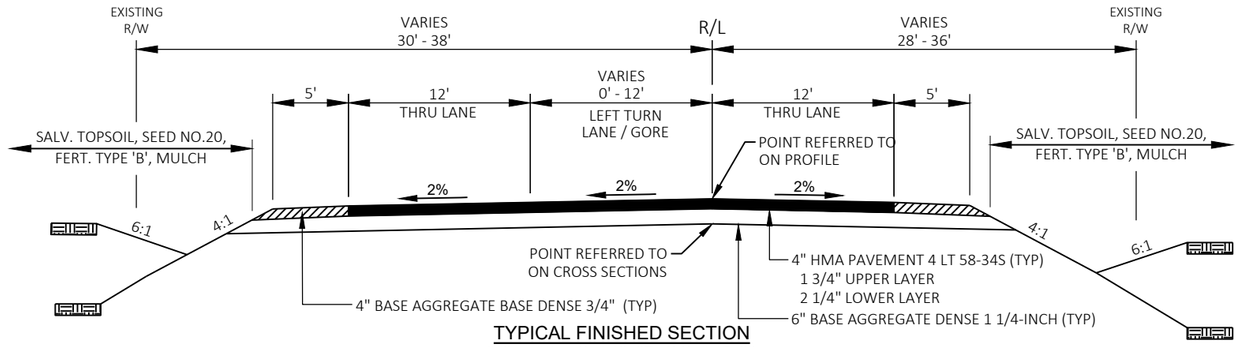


TYPICAL FINISHED SECTION
3M DRIVE - STA 14+59 TO STA 15+75

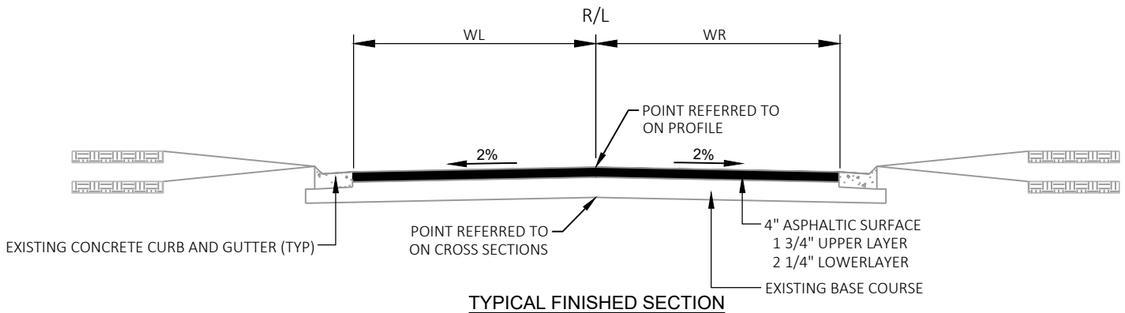
2



TYPICAL FINISHED SECTION
610TH AVE - STA 10+36 TO STA 10+97



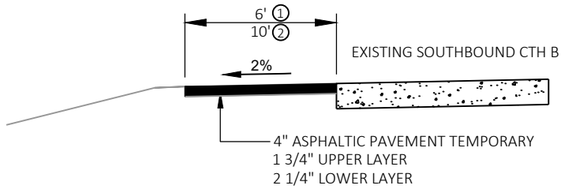
TYPICAL FINISHED SECTION
610TH AVE - STA 10+97 TO STA 15+88



TYPICAL FINISHED SECTION
578TH AVE
STA 10+68 TO STA 10+78
WALTON AVE
STA 10+71 TO STA 10+81
3M DRIVE
STA 14+49 TO STA 14+59

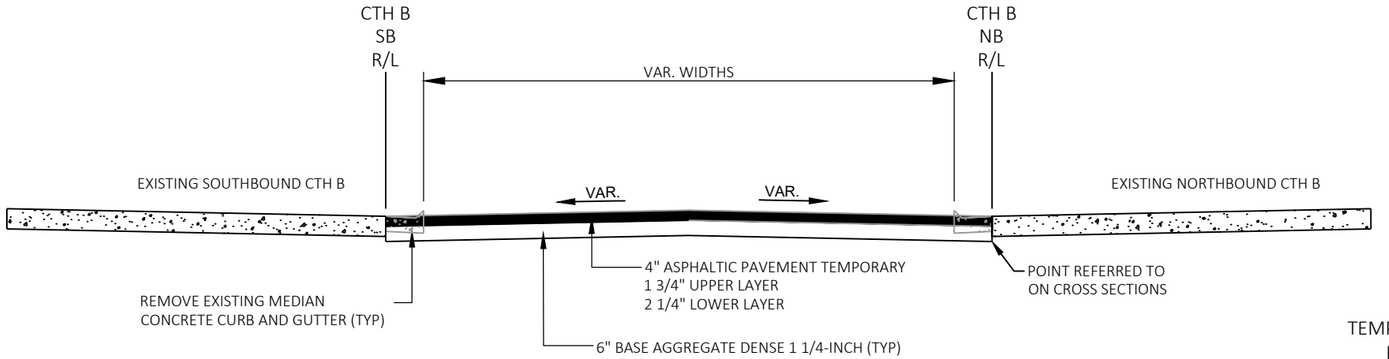
SIDEROAD TIE-INS

	WL	WR
578TH AVE STA 10+68 TO STA 10+78	12'	17'
WALTON AVE STA 10+71 TO STA 10+81	16.8'	16.8'
3M DRIVE STA 14+49 TO STA 14+59	14'	26'



TYPICAL FINISHED SECTION
TEMPORARY SHOULDER PAVING
CTH B

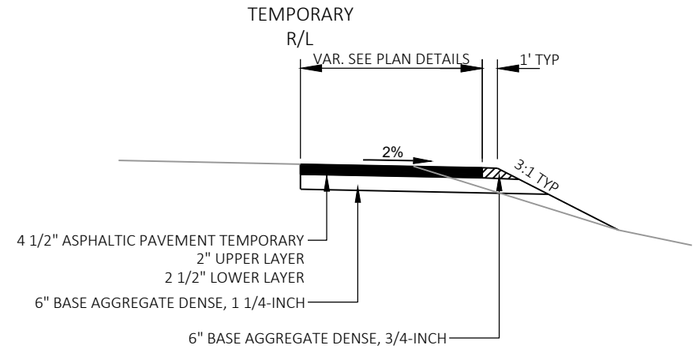
STAGE 1A
① STA 392+00 'SB' TO STA 396+00 'SB'
② STA 400+77 'SB' TO STA 400+38 'SB'



TYPICAL FINISHED SECTION
TEMPORARY MEDIAN PAVING
CTH B

STAGE 1B
STA 347+00 'NB' TO STA 348+72 'NB'
STA 396+05 'NB' TO STA 399+50 'SB'
STA 400+65 'SB' TO STA 403+31 'SB'
STA 408+11 'SB' TO STA 410+50 'NB'
STA 419+20 'SB' TO STA 420+90 'NB'

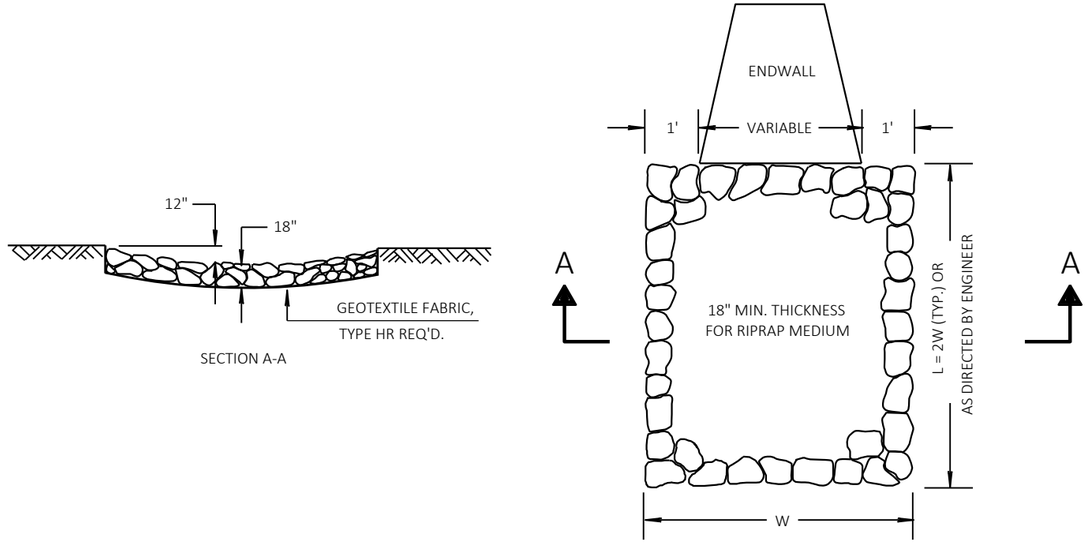
STAGE 2
STA 398+60 'NB' TO STA 399+70 'NB'
STA 400+65 'NB' TO STA 401+72 'NB'



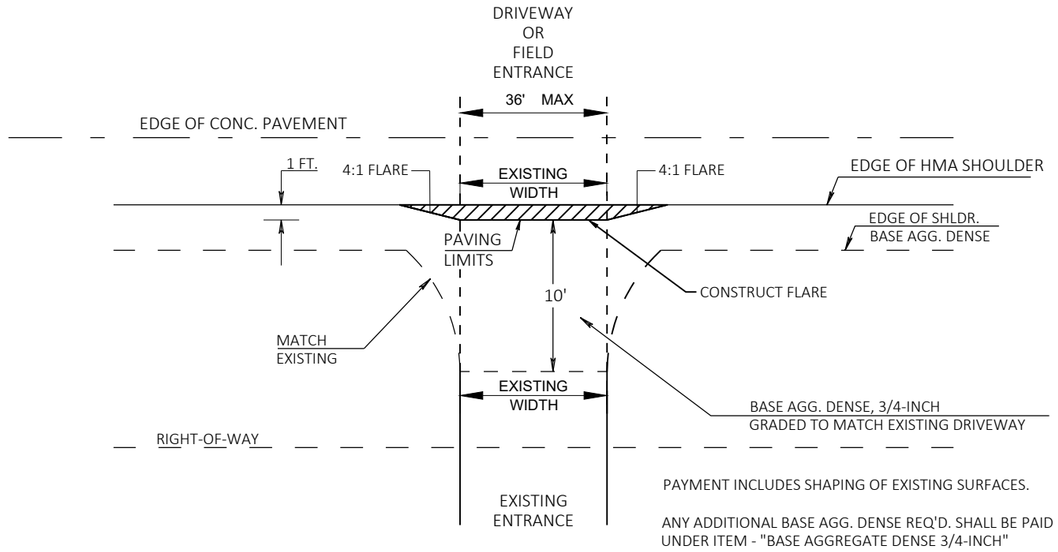
TYPICAL FINISHED SECTION
TEMPORARY WIDENING
USH 12/STH 29
3M DRIVE
IH 94 RAMPS

STAGE 1A
STA 408+45 'SB' TO STA 13+86 'B' RT
STA 418+80 'SB' TO STA 421+16 'SB'

STAGE 2
STA 347+55 'NB' TO STA 348+30 'NB'
STA 408+70 'NB' TO STA 411+96 'NB'



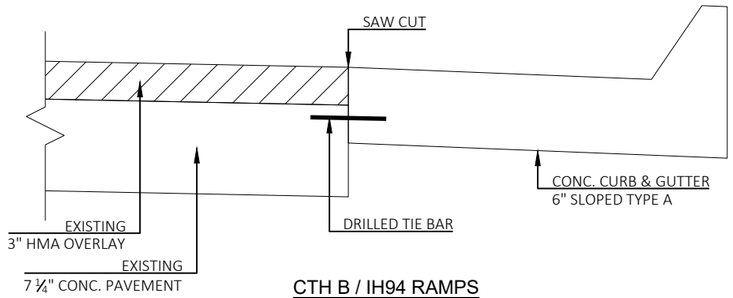
RIPRAP MEDIUM TREATMENT AT CULVERTS



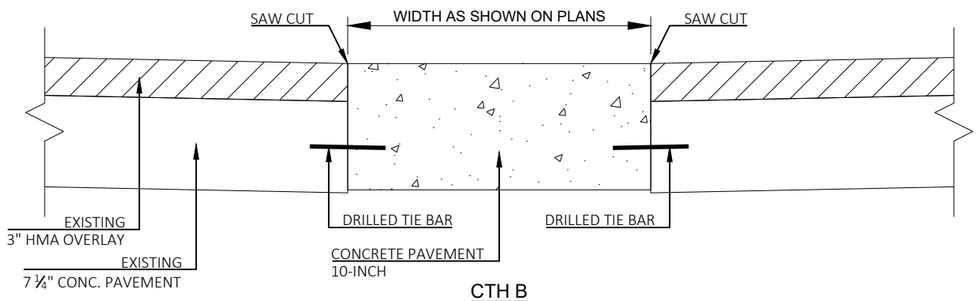
PAYMENT INCLUDES SHAPING OF EXISTING SURFACES.

ANY ADDITIONAL BASE AGG. DENSE REQ'D. SHALL BE PAID UNDER ITEM - "BASE AGGREGATE DENSE 3/4-INCH"

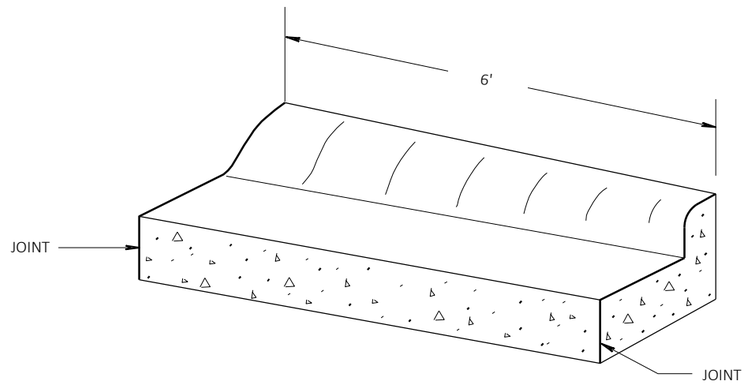
DRIVEWAY OR FIELD ENTRANCE - AGGREGATE



CTH B / IH94 RAMPS
CURB & GUTTER RESTORATION
STA 409+70 NB - STA 410+75 NB, RT



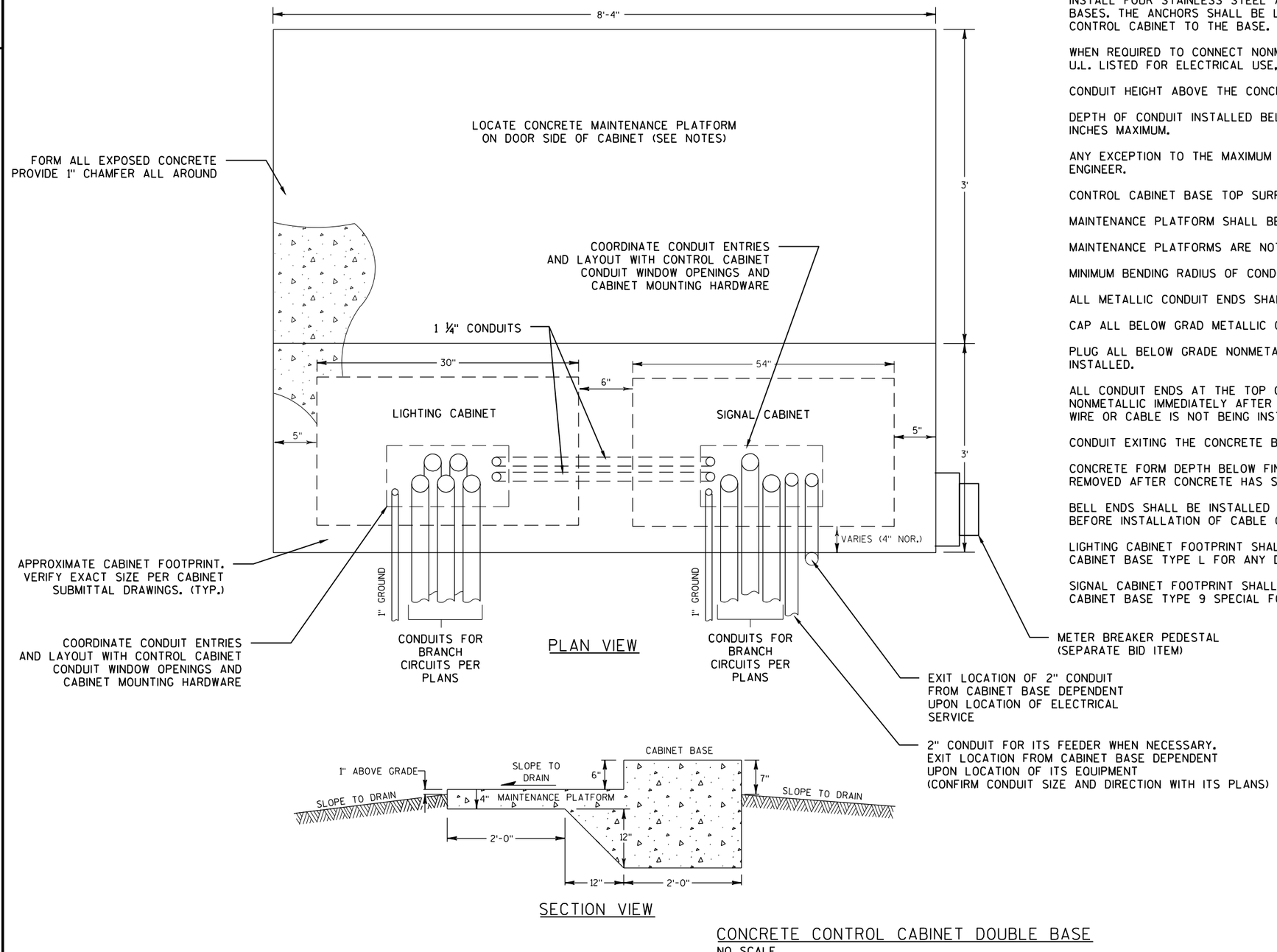
CTH B
MEDIAN RESTORATION
STAGE 4
STA 409+55 - STA 410+42.9



TRANSITION DETAIL

36" TYPE "A" CURB & GUTTER TO 30" TYPE "D" CURB & GUTTER
(TO BE MEASURED & PAID FOR AS 36" CONC. C&G)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN: CONSTRUCTION DETAILS	SHEET 13	E



PLAN VIEW

SECTION VIEW

CONCRETE CONTROL CABINET DOUBLE BASE

NO SCALE

GENERAL NOTES (APPLIES TO THIS CONSTRUCTION DETAIL)

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 EACH 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 NONMETALLIC 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.

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

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISH SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND BE LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRAD METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NONMETALLIC 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 NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OF PLUGGED.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" 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.

LIGHTING CABINET FOOTPRINT SHALL REFER TO WISDOT STANDARD DETAIL FOR CONCRETE CONTROL CABINET BASE TYPE L FOR ANY DETAILS NOT SHOWN ON THIS SHEET.

SIGNAL CABINET FOOTPRINT SHALL REFER TO WISDOT STANDARD DETAIL FOR CONCRETE CONTROL CABINET BASE TYPE 9 SPECIAL FOR ANY DETAILS NOT SHOWN ON THIS SHEET.

2

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CONSTRUCTION DETAIL - CONCRETE CONTROL CABINET DOUBLE BASE	SHEET 14	E

LEGEND

CP9	CONCRETE PAVEMENT 9-INCH
CP10	CONCRETE PAVEMENT 10-INCH
CPH10	CONCRETE PAVEMENT HES 10-INCH
ASPH	HMA PAVEMENT 4 LT 58-34 S
ASPH-S	ASPHALTIC SURFACE
CG6	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
CGD	CONCRETE CURB & GUTTER 30-INCH TYPE D
CS4	CONCRETE SIDEWALK 4-INCH
BA3	BASE AGGREGATE DENSE 3/4-INCH
SA	SAWING ASPHALT
SC	SAWING CONCRETE

NOTES:

1. DRILLED TIE BARS REQUIRED WITH PROPOSED CURB & GUTTER PLACEMENT. SEE CONSTRUCTION DETAIL.
2. PAVEMENT DOWEL BARS REQUIRED WITH PROPOSED CONCRETE PAVEMENT PLACEMENT IF EXISTING PAVEMENT IS IN GOOD CONDITION. ENGINEER IN FIELD TO DETERMINE PAVEMENT CONDITION.

N

USH 12/STH 29

EXISTING R/W (TYP)

610TH ST

346+70'SB'

350+00'SB'

350+00'NB'

15+00'US'

BEGIN PROJECT
STA 348+30.00 NB & SB
MATCH EXISTING
SAW CUT REQ'D

CONCRETE MEDIAN
SLOPED NOSE TYPE 2

FINAL TRAFFIC CONTROL
STAGE 4 RESTORATION

FINAL TRAFFIC CONTROL
STAGE 4 RESTORATION

END CONCRETE MEDIAN
BEGIN TURF MEDIAN
STA 349+94 NB

CTH B SB

CTH B NB

R/L CTH B SB

R/L CTH B NB

TURF

U1 U2 U3 U4

5' 2' 3' 14' 12' 16' 8' 12' 14' 5' 3'

STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS*
U1	348+00.22 'NB'	73.16	15+61.29 'US'	-86.08	174430.245	180471.034	47
U2	347+53.46 'NB'	68.09	15+58.67 'US'	-39.12	174383.458	180466.210	
U3	347+92.44 'NB'	26.77	15+14.26 'US'	-75.54	174422.220	180424.689	
U4	347+57.14 'NB'	-4.24	14+85.68 'US'	-38.24	174386.757	180393.861	4.25

* ALL RADII MEASURED TO CURB & GUTTER FLANGE

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	INTERSECTION DETAILS	SHEET 15	E

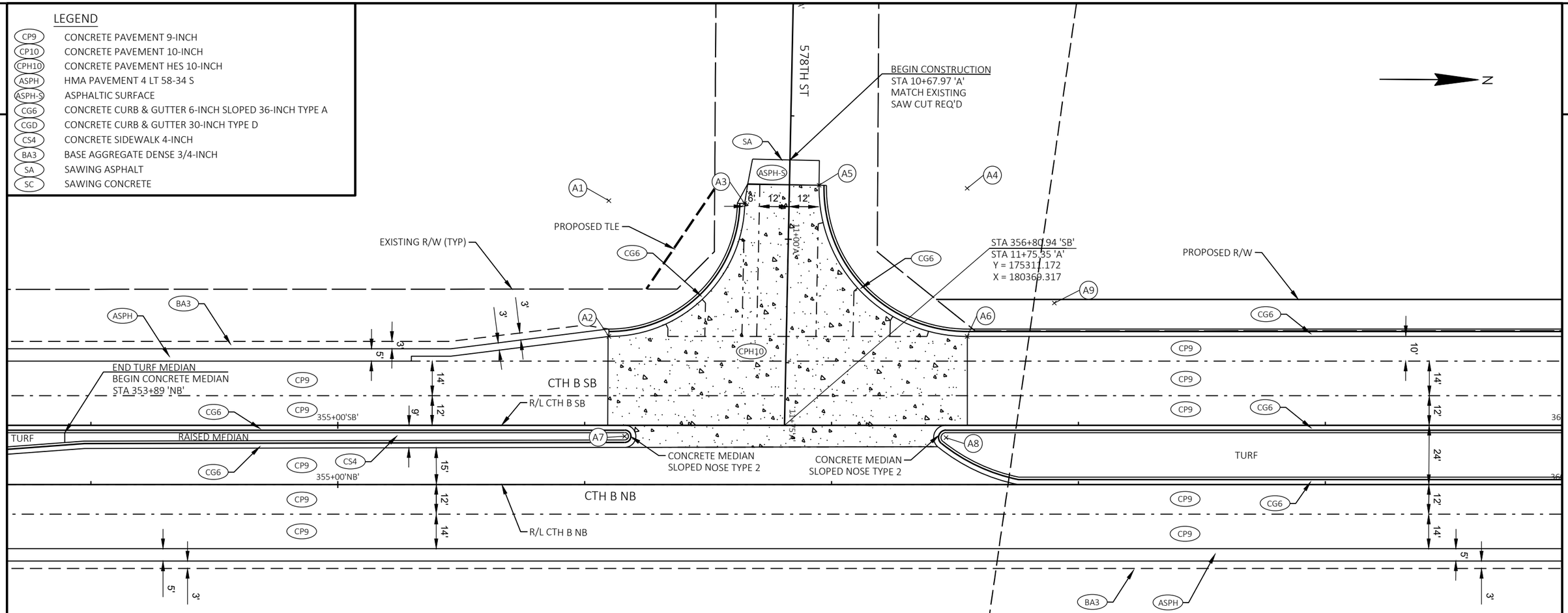
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - PROJECT BEGIN

PLOT DATE : 11/28/2022 3:31 PM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

CP9	CONCRETE PAVEMENT 9-INCH
CP10	CONCRETE PAVEMENT 10-INCH
CPH10	CONCRETE PAVEMENT HES 10-INCH
ASPH	HMA PAVEMENT 4 LT 58-34 S
ASPH-S	ASPHALTIC SURFACE
CG6	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
CGD	CONCRETE CURB & GUTTER 30-INCH TYPE D
CS4	CONCRETE SIDEWALK 4-INCH
BA3	BASE AGGREGATE DENSE 3/4-INCH
SA	SAWING ASPHALT
SC	SAWING CONCRETE



STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS*
A1	356+09.82 'SB'	-91.00	10+85.87 'A'	73.00	175238.861	180278.690	55
A2	356+09.82 'SB'	-36.00	11+40.86 'A'	71.85	175239.145	180333.689	
A3	356+64.81 'SB'	-89.85	10+85.87 'A'	18.00	175293.854	180279.553	
A4	357+54.96 'SB'	-96.00	10+77.85 'A'	-72.00	175383.969	180272.938	60
A5	356+94.97 'SB'	-97.25	10+77.85 'A'	-12.00	175323.976	180271.997	
A6	357+54.96 'SB'	-36.00	11+37.83 'A'	-73.25	175384.279	180332.938	

* ALL RADII MEASURED TO CURB & GUTTER FLANGE

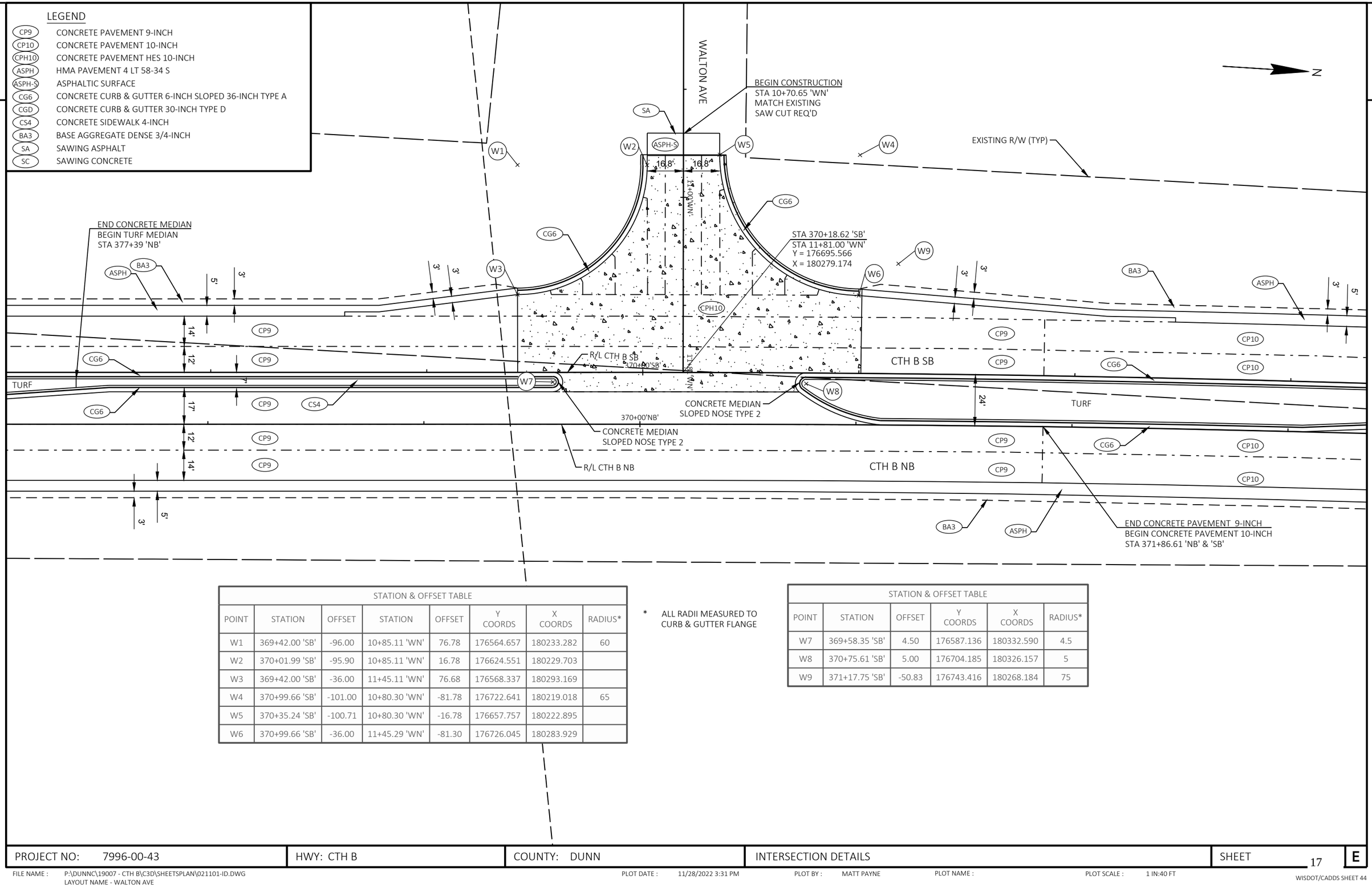
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS*
A7	356+16.22 'SB'	4.47	175245.753	180374.129	4.5
A8	357+46.38 'SB'	5.00	175375.915	180373.982	5
A9	357+90.27 'SB'	-49.54	175419.517	180319.219	75

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	INTERSECTION DETAILS	SHEET 16	E

2

LEGEND

CP9	CONCRETE PAVEMENT 9-INCH
CP10	CONCRETE PAVEMENT 10-INCH
CPH10	CONCRETE PAVEMENT HES 10-INCH
ASPH	HMA PAVEMENT 4 LT 58-34 S
ASPH-S	ASPHALTIC SURFACE
CG6	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
CGD	CONCRETE CURB & GUTTER 30-INCH TYPE D
CS4	CONCRETE SIDEWALK 4-INCH
BA3	BASE AGGREGATE DENSE 3/4-INCH
SA	SAWING ASPHALT
SC	SAWING CONCRETE



STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS*
W1	369+42.00 'SB'	-96.00	10+85.11 'WN'	76.78	176564.657	180233.282	60
W2	370+01.99 'SB'	-95.90	10+85.11 'WN'	16.78	176624.551	180229.703	
W3	369+42.00 'SB'	-36.00	11+45.11 'WN'	76.68	176568.337	180293.169	
W4	370+99.66 'SB'	-101.00	10+80.30 'WN'	-81.78	176722.641	180219.018	65
W5	370+35.24 'SB'	-100.71	10+80.30 'WN'	-16.78	176657.757	180222.895	
W6	370+99.66 'SB'	-36.00	11+45.29 'WN'	-81.30	176726.045	180283.929	

* ALL RADII MEASURED TO CURB & GUTTER FLANGE

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS*
W7	369+58.35 'SB'	4.50	176587.136	180332.590	4.5
W8	370+75.61 'SB'	5.00	176704.185	180326.157	5
W9	371+17.75 'SB'	-50.83	176743.416	180268.184	75

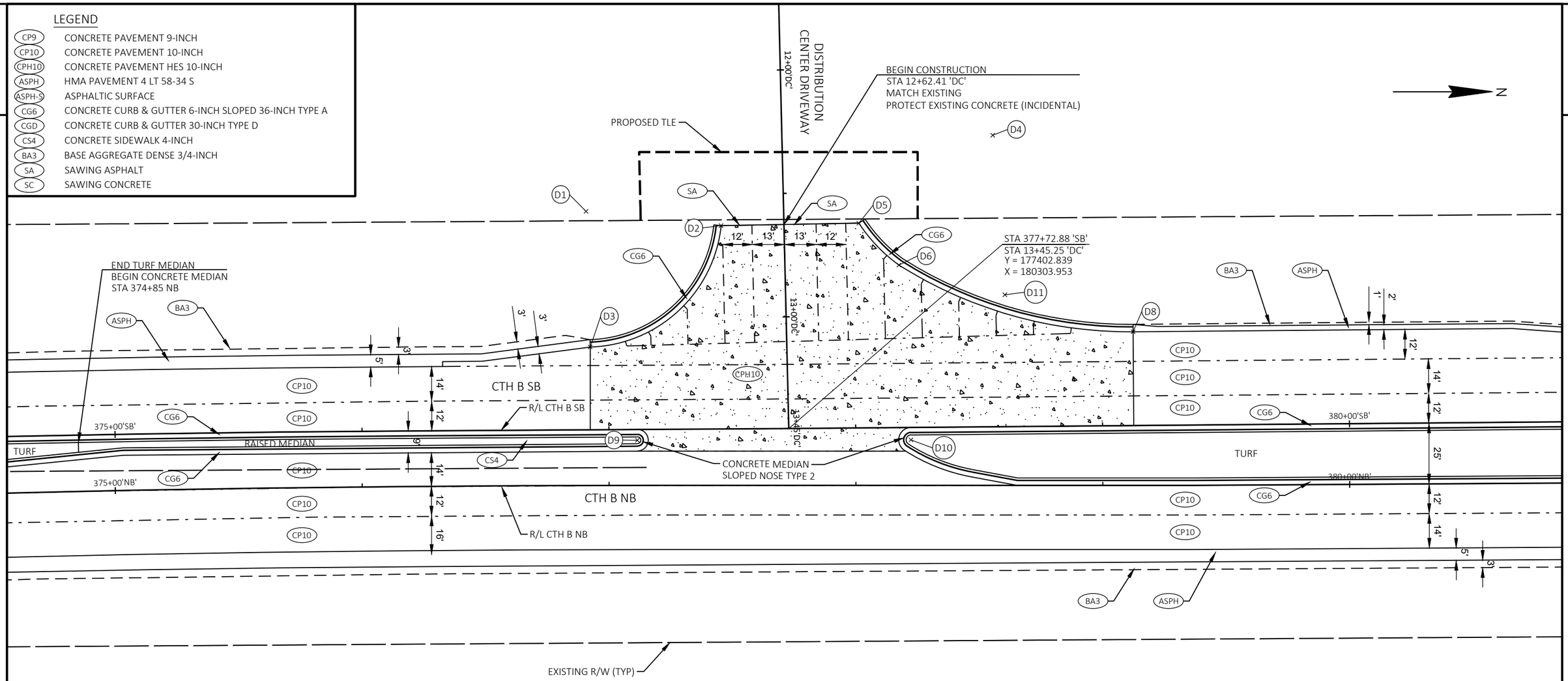
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	INTERSECTION DETAILS	SHEET 17	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - WALTON AVE

PLOT DATE : 11/28/2022 3:31 PM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

CP9	CONCRETE PAVEMENT 9-INCH
CP10	CONCRETE PAVEMENT 10-INCH
CPH10	CONCRETE PAVEMENT HES 10-INCH
ASPH	HMA PAVEMENT 4 LT 58-34 S
ASPH-S	ASPHALTIC SURFACE
CG6	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
CGD	CONCRETE CURB & GUTTER 30-INCH TYPE D
CS4	CONCRETE SIDEWALK 4-INCH
BA3	BASE AGGREGATE DENSE 3/4-INCH
SA	SAWING ASPHALT
SC	SAWING CONCRETE



STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS*
D1	376+91.29 'SB'	-88.48	12+55.37 'DC'	80.05	177318.819	180215.927	55
D2	377+45.94 'SB'	-82.34	12+62.46 'DC'	25.51	177373.507	180221.778	
D3	376+92.67 'SB'	-33.50	13+10.37 'DC'	79.62	177320.496	180270.902	
D4	378+56.51 'SB'	-118.07	12+28.44 'DC'	-85.36	177483.577	180185.246	65
D5	378+01.98 'SB'	-82.92	12+62.78 'DC'	-30.32	177429.329	180220.826	
D6	378+18.06 'SB'	-65.81	12+80.12 'DC'	-46.15	177445.542	180237.801	
D7	379+12.72 'SB'	-213.00	11+34.35 'DC'	-142.98	177539.046	180089.876	175
D8	379+12.72 'SB'	-38.00	13+09.33 'DC'	-140.39	177540.421	180264.870	
D11	378+60.90 'SB'	-53.44	12+93.12 'DC'	-88.80	177488.475	180249.839	75

* ALL RADII MEASURED TO CURB & GUTTER FLANGE

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS*
D9	377+11.55 'SB'	4.37	177339.574	180308.674	4.25
D10	378+22.36 'SB'	5.00	177450.401	180308.579	5
D11	378+60.90 'SB'	-53.44	177488.475	180249.839	75

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	INTERSECTION DETAILS	SHEET 18 E

LEGEND

CP9	CONCRETE PAVEMENT 9-INCH
CP10	CONCRETE PAVEMENT 10-INCH
CPH10	CONCRETE PAVEMENT HES 10-INCH
ASPH	HMA PAVEMENT 4 LT 58-34 S
ASPH-S	ASPHALTIC SURFACE
CG6	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
CGD	CONCRETE CURB & GUTTER 30-INCH TYPE D
CS4	CONCRETE SIDEWALK 4-INCH
BA3	BASE AGGREGATE DENSE 3/4-INCH
SA	SAWING ASPHALT
SC	SAWING CONCRETE

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS*
B9	399+22.99 'SB'	75.00	179551.258	180358.177	75
B10	399+39.73 'SB'	6.00	179567.623	180289.089	4
B11	400+40.01 'SB'	7.50	179667.913	180290.054	7.5
B12	401+18.02 'SB'	7.50	179745.917	180289.637	7.5

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS*
B1	399+41.19 'SB'	-76.00	15+36.61 'B'	69.00	179568.649	180207.082	40
B2	399+41.19 'SB'	-36.00	15+75.86 'B'	68.70	179568.863	180247.082	
B3	399+81.12 'SB'	-73.57	15+38.59 'B'	29.05	179608.587	180209.303	
B4	402+05.05 'SB'	-150.49	14+59.14 'B'	-194.00	179832.105	180131.189	180
B5	400+25.06 'SB'	-152.52	14+59.14 'B'	-14.00	179652.108	180130.111	
B6	400+51.05 'SB'	-57.29	15+54.07 'B'	-41.07	179678.610	180225.206	
B7	400+85.27 'SB'	-78.00	15+32.98 'B'	-75.05	179712.720	180204.313	60
B8	400+85.27 'SB'	-38.00	15+73.79 'B'	-75.38	179712.933	180244.313	

* ALL RADII MEASURED TO CURB & GUTTER FLANGE

N

FINAL TRAFFIC CONTROL
STAGE 3 RESTORATION

BEGIN CONSTRUCTION
STA 14+49.12 'B'
MATCH EXISTING

STA 400+09.87 'SB'
STA 16+11.83 'B'
Y = 179637.735
X = 180282.715

PROPOSED R/W

PROPOSED TLE

EXISTING R/W (TYP)

END TURF MEDIAN
BEGIN CONCRETE MEDIAN
STA 398+65 NB

CTH B SB

R/L CTH B SB

400+00'SB

TURF

CONCRETE MEDIAN
SLOPED NOSE TYPE 2

RAISED MEDIAN

CONCRETE MEDIAN
SLOPED NOSE TYPE 2

TURF

CTH B NB

R/L CTH B NB

400+00'NB'

STA 400+09.89 'NB'
STA 16+48.83 'B'

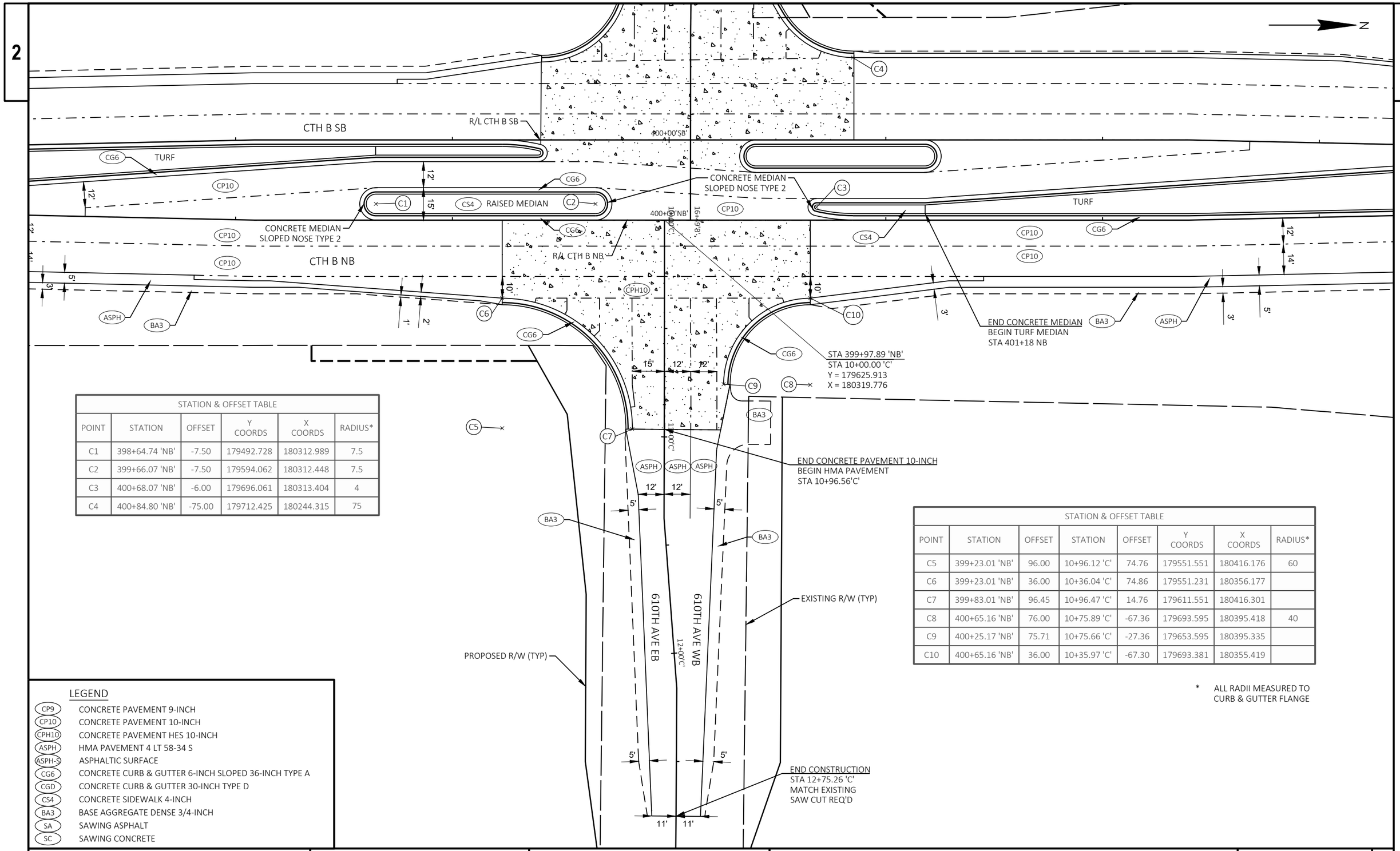
EXISTING R/W (TYP)

PROPOSED R/W (TYP)

3M DRIVE

DRIVE 610

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	INTERSECTION DETAILS	SHEET 19	E



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS*
C1	398+64.74 'NB'	-7.50	179492.728	180312.989	7.5
C2	399+66.07 'NB'	-7.50	179594.062	180312.448	7.5
C3	400+68.07 'NB'	-6.00	179696.061	180313.404	4
C4	400+84.80 'NB'	-75.00	179712.425	180244.315	75

STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS*
C5	399+23.01 'NB'	96.00	10+96.12 'C'	74.76	179551.551	180416.176	60
C6	399+23.01 'NB'	36.00	10+36.04 'C'	74.86	179551.231	180356.177	
C7	399+83.01 'NB'	96.45	10+96.47 'C'	14.76	179611.551	180416.301	
C8	400+65.16 'NB'	76.00	10+75.89 'C'	-67.36	179693.595	180395.418	40
C9	400+25.17 'NB'	75.71	10+75.66 'C'	-27.36	179653.595	180395.335	
C10	400+65.16 'NB'	36.00	10+35.97 'C'	-67.30	179693.381	180355.419	

* ALL RADII MEASURED TO CURB & GUTTER FLANGE

LEGEND

CP9	CONCRETE PAVEMENT 9-INCH
CP10	CONCRETE PAVEMENT 10-INCH
CPH10	CONCRETE PAVEMENT HES 10-INCH
ASPH	HMA PAVEMENT 4 LT 58-34 S
ASPH-S	ASPHALTIC SURFACE
CG6	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
CGD	CONCRETE CURB & GUTTER 30-INCH TYPE D
CS4	CONCRETE SIDEWALK 4-INCH
BA3	BASE AGGREGATE DENSE 3/4-INCH
SA	SAWING ASPHALT
SC	SAWING CONCRETE

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	INTERSECTION DETAILS	SHEET 20	E

LEGEND

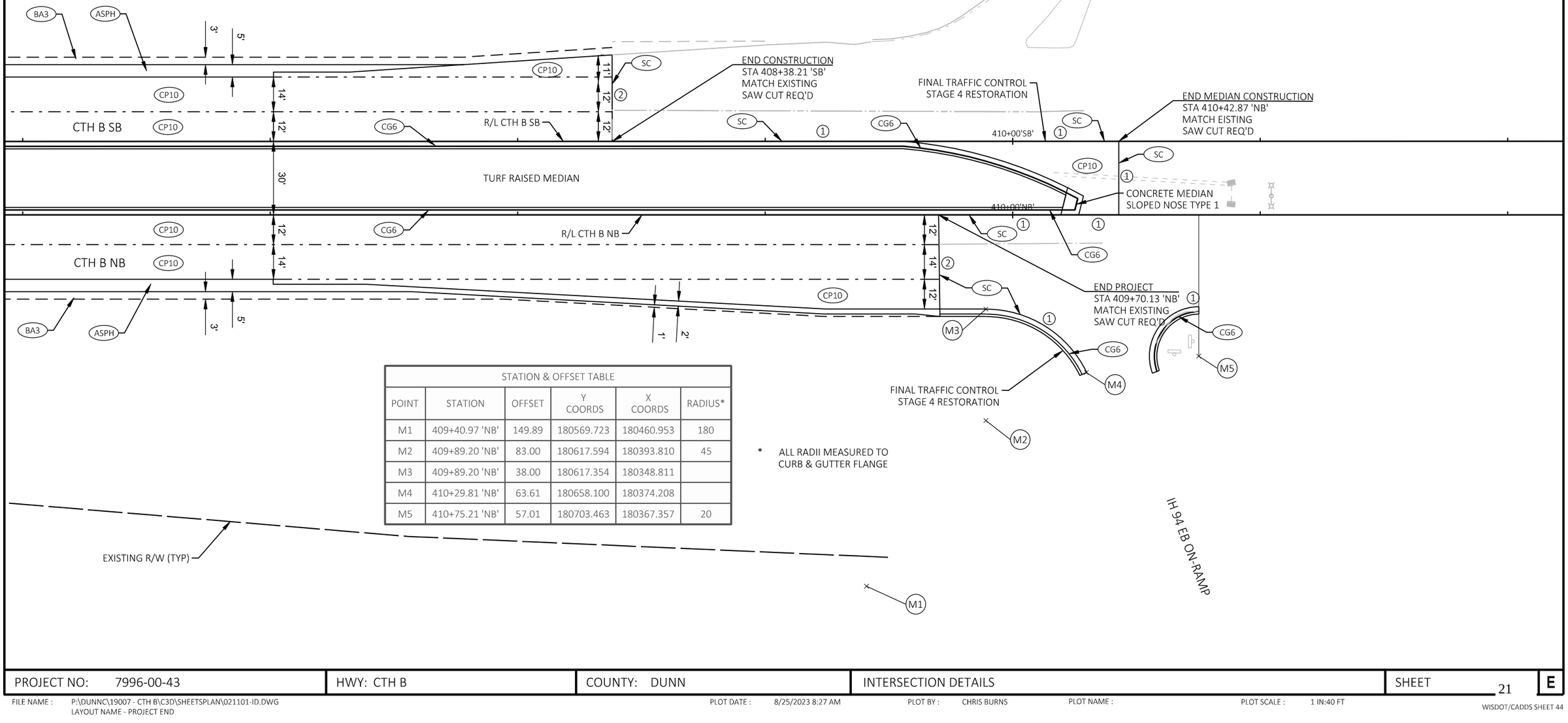
CP9	CONCRETE PAVEMENT 9-INCH
CP10	CONCRETE PAVEMENT 10-INCH
CPH10	CONCRETE PAVEMENT HES 10-INCH
ASPH	HMA PAVEMENT 4 LT 58-34 S
ASPH-S	ASPHALTIC SURFACE
CG6	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
CGD	CONCRETE CURB & GUTTER 30-INCH TYPE D
CS4	CONCRETE SIDEWALK 4-INCH
BA3	BASE AGGREGATE DENSE 3/4-INCH
SA	SAWING ASPHALT
SC	SAWING CONCRETE

N

IH 94 EB OFF-RAMP

NOTES:

1. DRILLED TIE BARS REQUIRED WITH PROPOSED CONCRETE PAVEMENT PLACEMENT AND CURB AND GUTTER PLACEMENT. SEE CONSTRUCTION DETAIL.
2. PAVEMENT DOWEL BARS REQUIRED WITH PROPOSED CONCRETE PAVEMENT PLACEMENT IF EXISTING PAVEMENT IS IN GOOD CONDITION. ENGINEER IN FIELD TO DETERMINE PAVEMENT CONDITION.

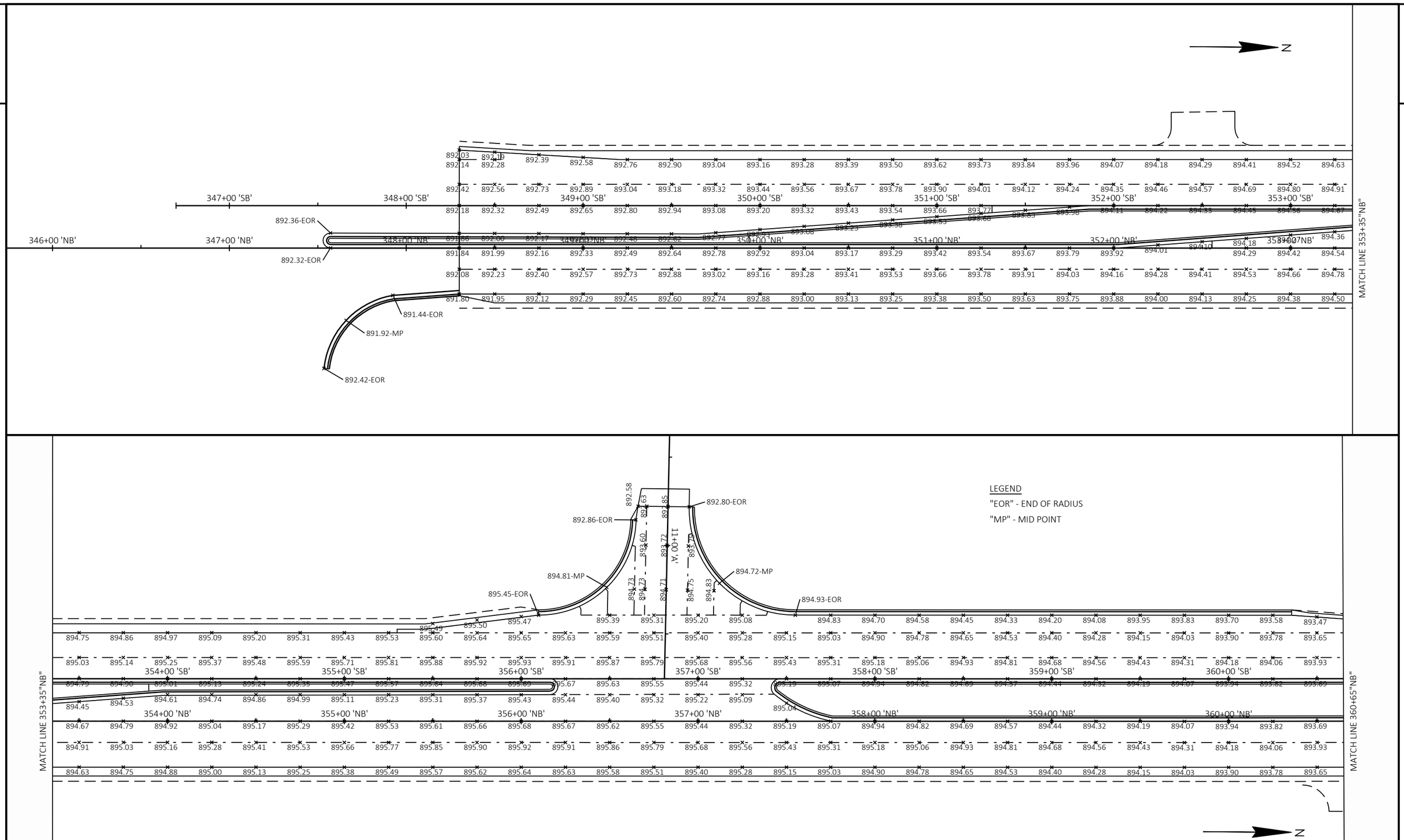


STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS*
M1	409+40.97 'NB'	149.89	180569.723	180460.953	180
M2	409+89.20 'NB'	83.00	180617.594	180393.810	45
M3	409+89.20 'NB'	38.00	180617.354	180348.811	
M4	410+29.81 'NB'	63.61	180658.100	180374.208	
M5	410+75.21 'NB'	57.01	180703.463	180367.357	20

* ALL RADII MEASURED TO CURB & GUTTER FLANGE

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	INTERSECTION DETAILS	SHEET 21	E

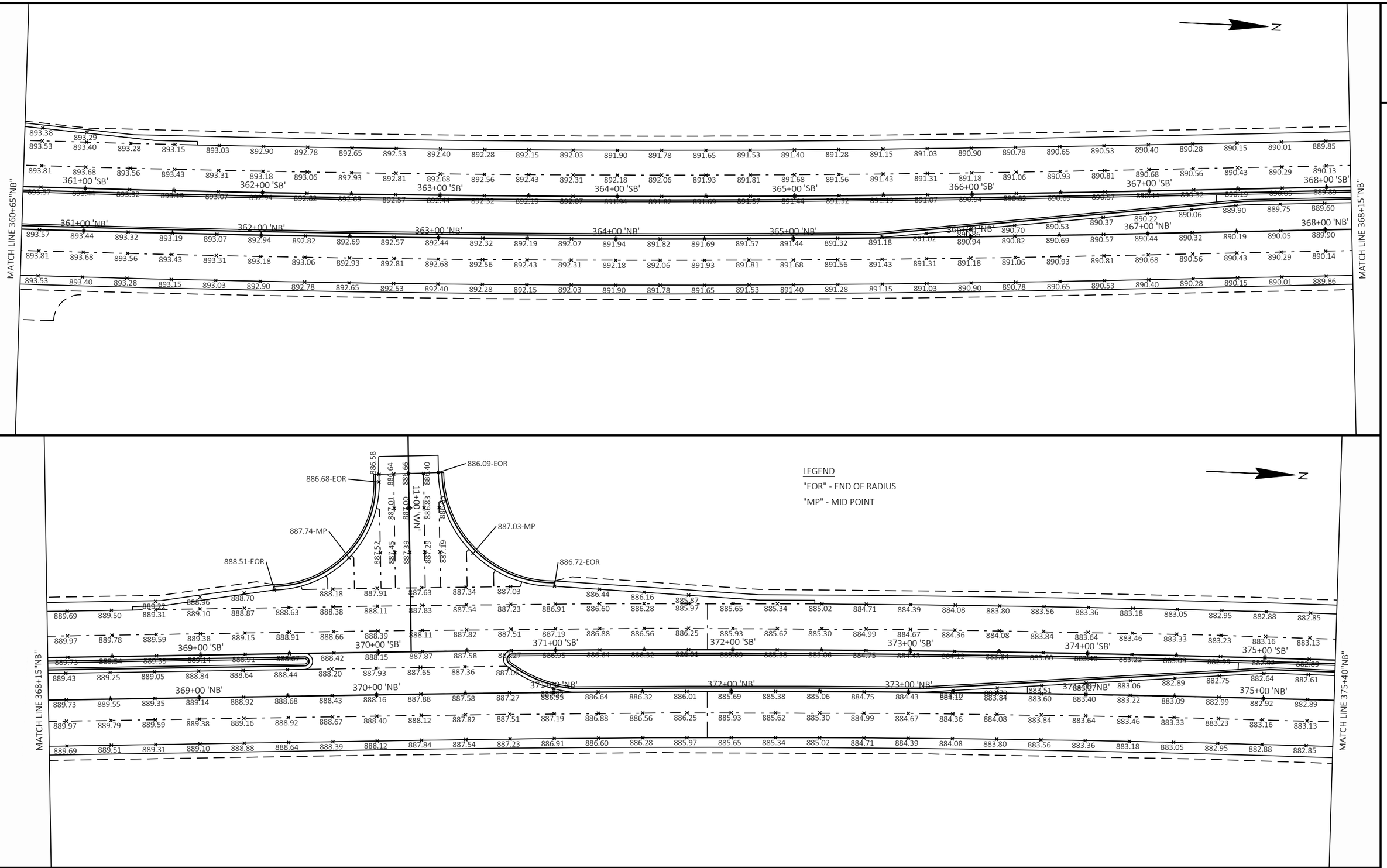
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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	JOINT DETAILS	SHEET 22	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021401-01

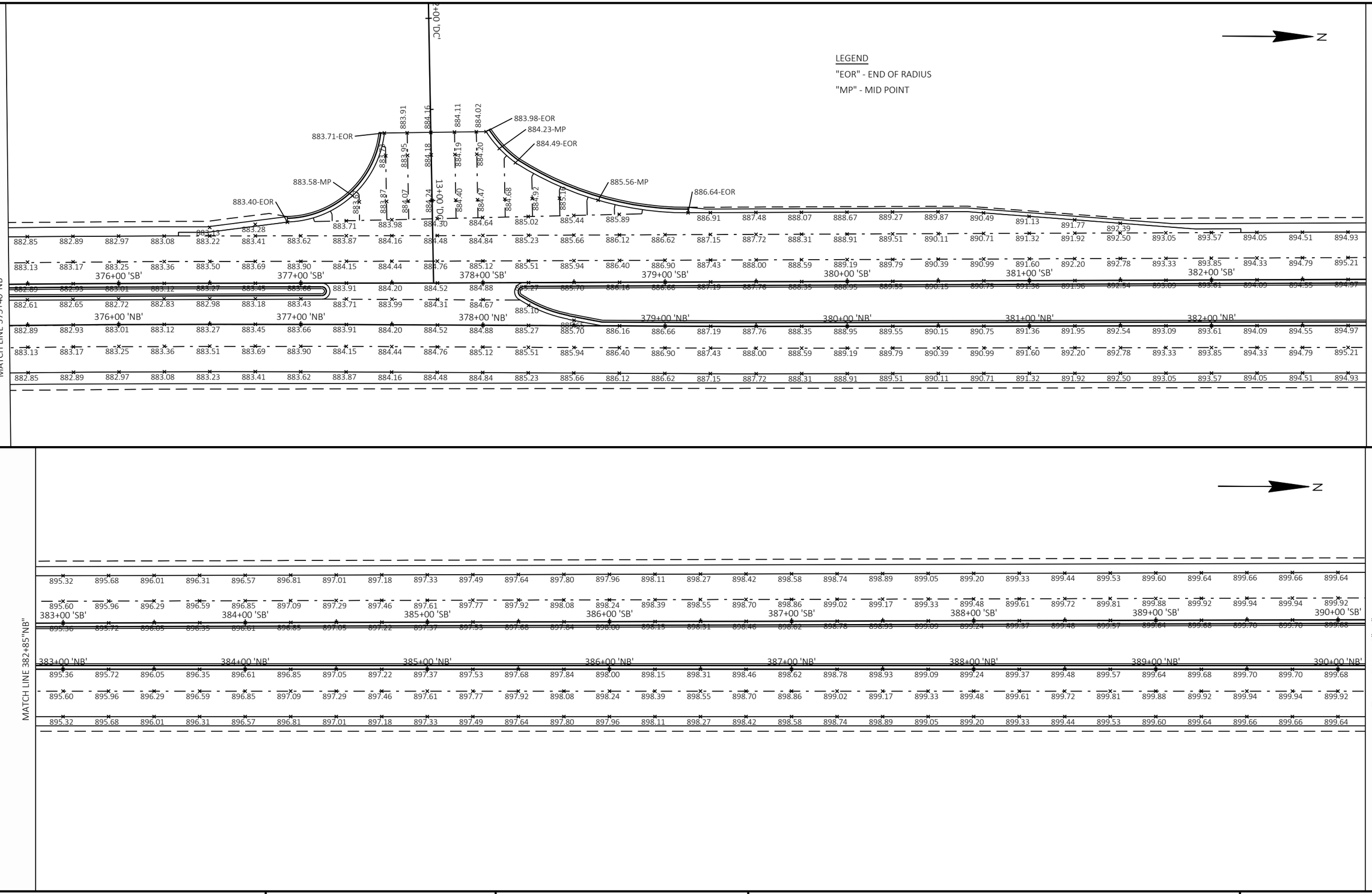
PLOT DATE : 10/27/2022 12:01 PM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:50 FT



PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	JOINT DETAILS	SHEET 23	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021401-02

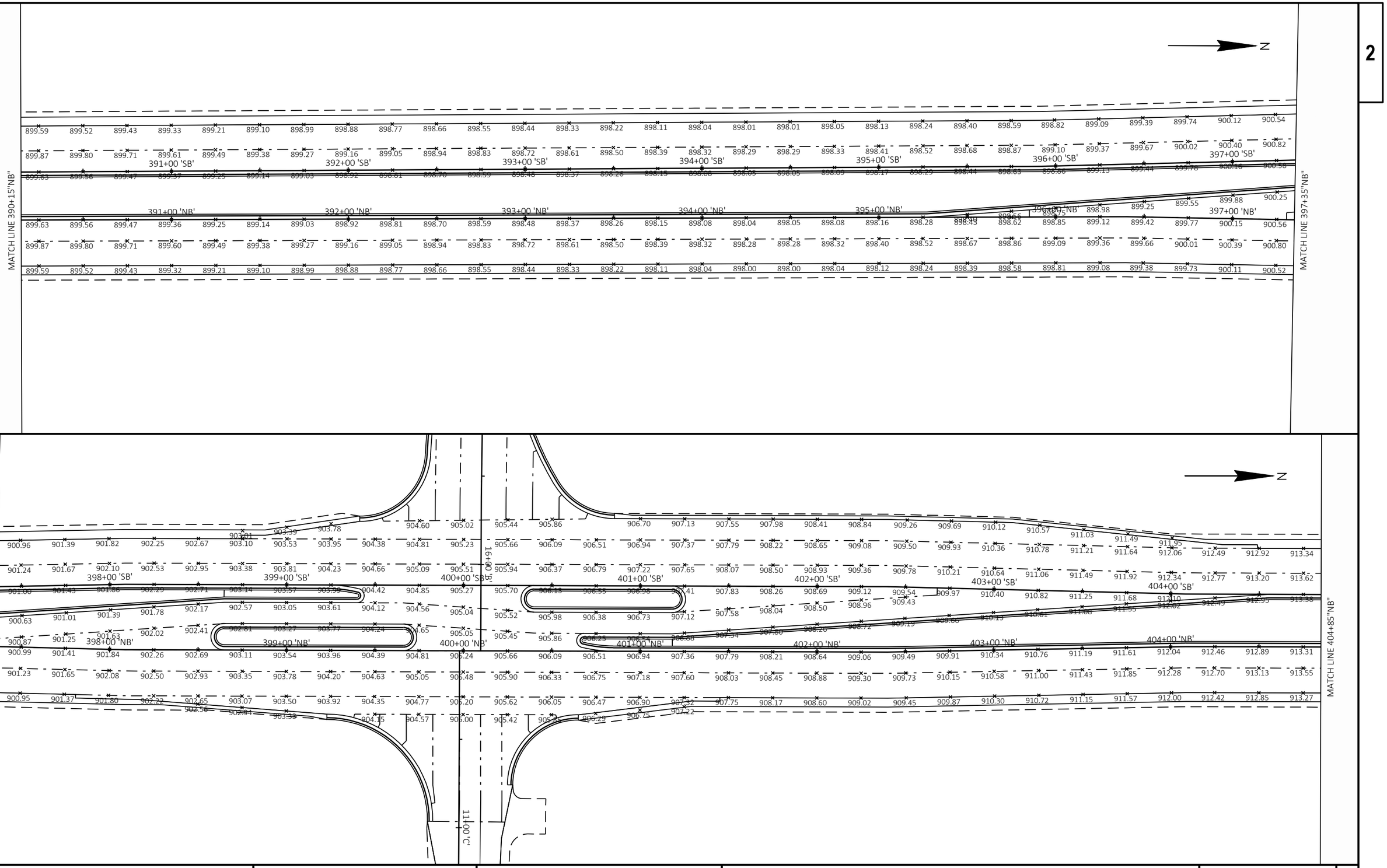
PLOT DATE : 10/27/2022 12:01 PM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:50 FT



PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	JOINT DETAILS	SHEET 24	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021401-03

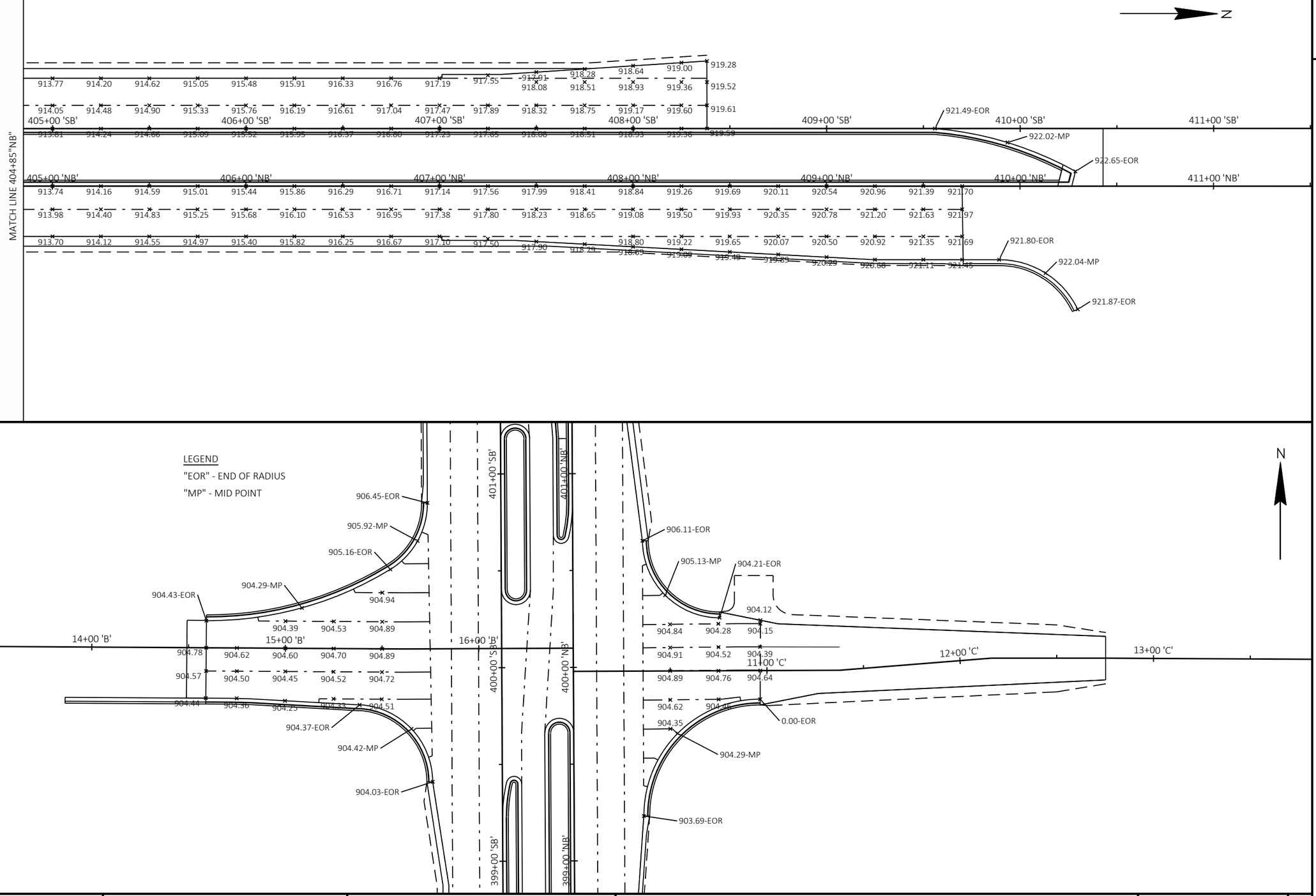
PLOT DATE : 10/27/2022 12:01 PM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:50 FT



PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	JOINT DETAILS	SHEET 25	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021401-04
PLOT DATE : 10/27/2022 12:01 PM
PLOT BY : MATT PAYNE
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2



PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	JOINT DETAILS	SHEET 26	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021401-05

PLOT DATE : 10/27/2022 12:01 PM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

EXISTING R/W

347+00 'SB' 348+00 'SB' 349+00 'SB' 350+00 'SB' 351+00 'SB' 352+00 'SB'

CTH B SB

345+00 'NB' 346+00 'NB' 347+00 'NB' 348+00 'NB' 349+00 'NB' 350+00 'NB' 351+00 'NB' 352+00 'NB'

CTH B NB

USH 12/STH 29

TEMPORARY PAVEMENT WIDENING
(STAGE 2)

WETLAND AREA

EXISTING R/W

NOTES:

ALL TEMPORARY WIDENING SLOPES SHALL BE FERTILIZED, SEEDED, AND MULCHED UNLESS OTHERWISE SPECIFIED.

LEGEND

SILT FENCE

SLOPE INTERCEPT

12+00 'B' 13+00 'B' 14+00 'B' 15+00 'B' 16+00 'B'

400+00 'SB'

400+00 'NB'

11+00 'C' 12+00 'C'

3M DRIVE

CTH B SB

CTH B NB

399+00 'SB'

399+00 'NB'

PROPOSED R/W

TEMPORARY PAVEMENT WIDENING
(STAGE 1A)

EXISTING R/W

TLE

N

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	EROSION CONTROL - TEMPORARY WIDENING	SHEET 27	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\022002-EC-TW.DWG
LAYOUT NAME - EC-TW-01

PLOT DATE : 11/23/2022 4:33 PM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

CTH B SB

407+00 'SB' 408+00 'SB' 409+00 'SB' 410+00 'SB' 411+00 'SB' 412+00 'SB' 413+00 'SB' 414+00 'SB'

407+00 'NB' 408+00 'NB' 409+00 'NB' 410+00 'NB' 411+00 'NB' 412+00 'NB' 413+00 'NB' 414+00 'NB'

CTH B NB

SIGN

TEMPORARY PAVEMENT WIDENING (STAGE 2)

273+00 'SE'

IH 94 EB ON-RAMP

274+00 'SE'

TEMPORARY PAVEMENT WIDENING (STAGE 2)

EXISTING R/W

NOTES:

ALL TEMPORARY WIDENING SLOPES SHALL BE FERTILIZED, SEEDED, AND MULCHED UNLESS OTHERWISE SPECIFIED.

LEGEND

SILT FENCE

SLOPE INTERCEPT

N

IH 94 WB ON-RAMP

272+00 'NW'

EXISTING R/W

TEMPORARY PAVEMENT WIDENING (STAGE 1A)

TEMPORARY PAVEMENT WIDENING (STAGE 1A)

273+00 'NW'

CTH B SB

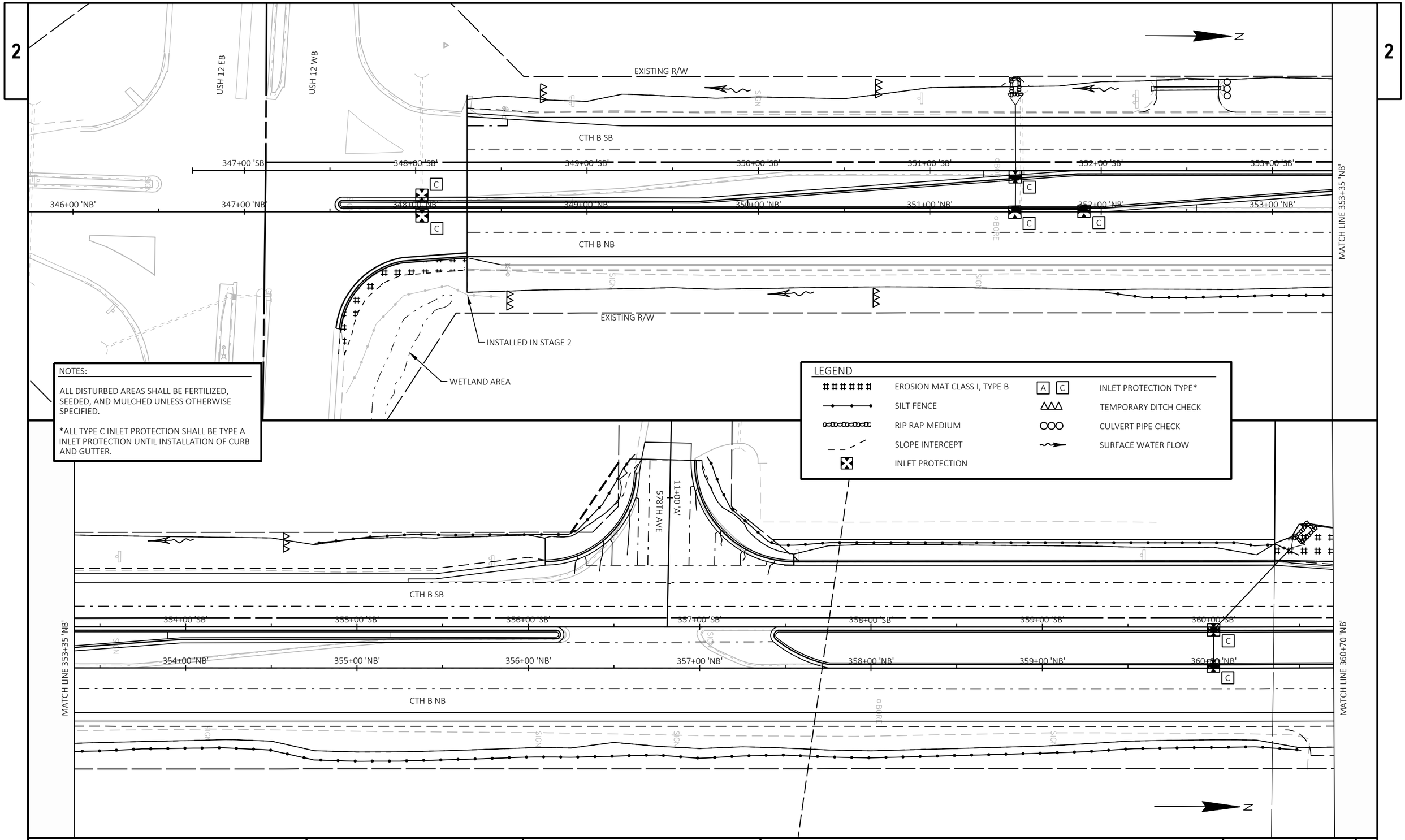
416+00 'SB' 417+00 'SB' 418+00 'SB' 419+00 'SB' 420+00 'SB' 421+00 'SB' 422+00 'SB' 423+00 'SB'

416+00 'NB' 417+00 'NB' 418+00 'NB' 419+00 'NB' 420+00 'NB' 421+00 'NB' 422+00 'NB' 423+00 'NB'

CTH B NB

2

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	EROSION CONTROL - TEMPORARY WIDENING	SHEET 28	E



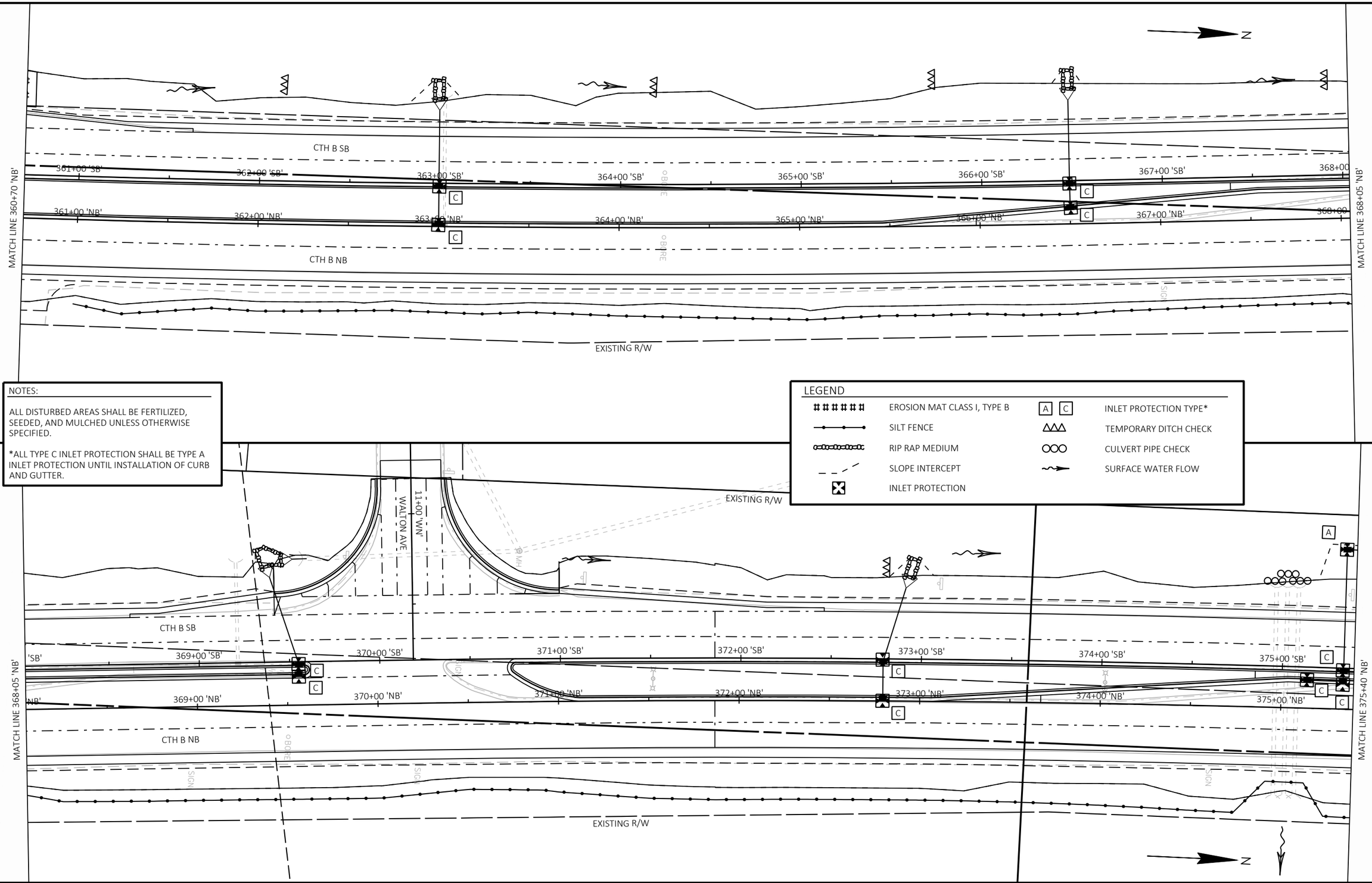
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	EROSION CONTROL	SHEET 29	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - EC-01

PLOT DATE : 8/29/2023 6:44 AM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2



NOTES:

ALL DISTURBED AREAS SHALL BE FERTILIZED, SEEDED, AND MULCHED UNLESS OTHERWISE SPECIFIED.

*ALL TYPE C INLET PROTECTION SHALL BE TYPE A INLET PROTECTION UNTIL INSTALLATION OF CURB AND GUTTER.

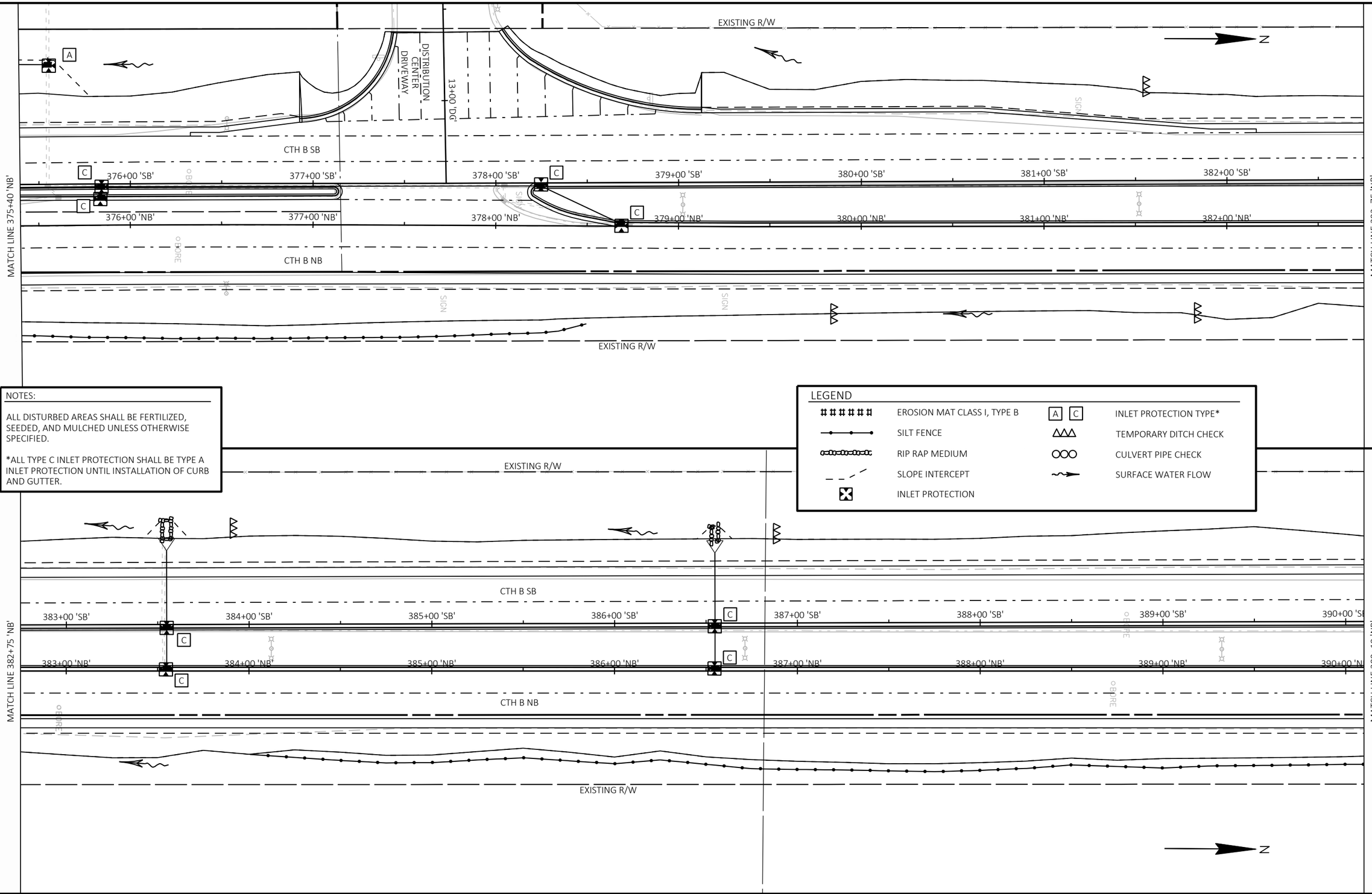
LEGEND

⌗⌗⌗⌗⌗⌗	EROSION MAT CLASS I, TYPE B	A C	INLET PROTECTION TYPE*
—•—•—	SILT FENCE	△△△	TEMPORARY DITCH CHECK
▭▭▭▭▭	RIP RAP MEDIUM	○○○	CULVERT PIPE CHECK
- - -	SLOPE INTERCEPT	~→	SURFACE WATER FLOW
⊠	INLET PROTECTION		

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	EROSION CONTROL	SHEET 30	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - EC-02

PLOT DATE : 8/29/2023 6:44 AM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:50 FT



NOTES:

ALL DISTURBED AREAS SHALL BE FERTILIZED, SEEDED, AND MULCHED UNLESS OTHERWISE SPECIFIED.

*ALL TYPE C INLET PROTECTION SHALL BE TYPE A INLET PROTECTION UNTIL INSTALLATION OF CURB AND GUTTER.

LEGEND

######	EROSION MAT CLASS I, TYPE B	A C	INLET PROTECTION TYPE*
	SILT FENCE		TEMPORARY DITCH CHECK
	RIP RAP MEDIUM		CULVERT PIPE CHECK
	SLOPE INTERCEPT		SURFACE WATER FLOW
	INLET PROTECTION		

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	EROSION CONTROL	SHEET 31	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - EC-03

PLOT DATE : 8/29/2023 6:44 AM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

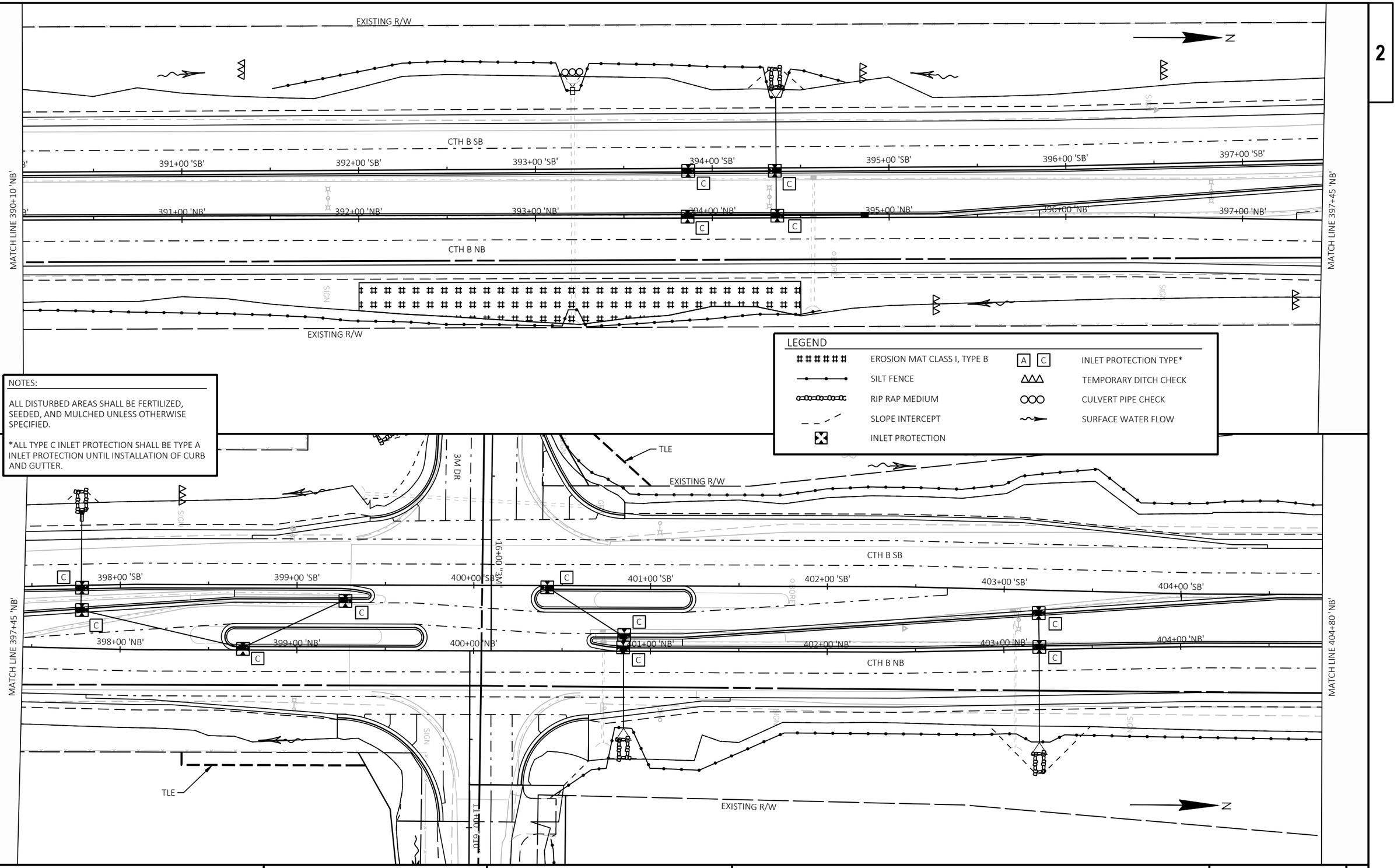
NOTES:

ALL DISTURBED AREAS SHALL BE FERTILIZED, SEEDED, AND MULCHED UNLESS OTHERWISE SPECIFIED.

*ALL TYPE C INLET PROTECTION SHALL BE TYPE A INLET PROTECTION UNTIL INSTALLATION OF CURB AND GUTTER.

LEGEND

- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIP RAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- A C INLET PROTECTION TYPE*
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW



PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	EROSION CONTROL	SHEET 32	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - EC-04

PLOT DATE : 8/29/2023 6:44 AM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

NOTES:

ALL DISTURBED AREAS SHALL BE FERTILIZED, SEEDED, AND MULCHED UNLESS OTHERWISE SPECIFIED.

*ALL TYPE C INLET PROTECTION SHALL BE TYPE A INLET PROTECTION UNTIL INSTALLATION OF CURB AND GUTTER.

LEGEND

EROSION MAT CLASS I, TYPE B		A C	INLET PROTECTION TYPE*
SILT FENCE			TEMPORARY DITCH CHECK
RIP RAP MEDIUM			CULVERT PIPE CHECK
SLOPE INTERCEPT			SURFACE WATER FLOW
INLET PROTECTION			

MATCH LINE 404+80 'NB'

CTH B SB

CTH B NB

405+00 'SB' 406+00 'SB' 407+00 'SB' 408+00 'SB' 409+00 'SB' 410+00 'SB' 411+00 'SB' 412+00 'SB'

405+00 'NB' 406+00 'NB' 407+00 'NB' 408+00 'NB' 409+00 'NB' 410+00 'NB' 411+00 'NB' 412+00 'NB'

IH 94 OFF-RAMP

IH 94 ON-RAMP

INSTALLED IN STAGE 2

INSTALLED IN STAGE 2

N

401+00 'SB' 401+00 'NB'

TLE

PROPOSED R/W

EXISTING R/W

13+00 "3M" 14+00 "3M" 15+00 "3M" 16+00 "3M"

400+00 'SB' 400+00 'NB'

3M DR

11+00 "610" 12+00 "610" 13+00 "610" 14+00 "

610TH AVE

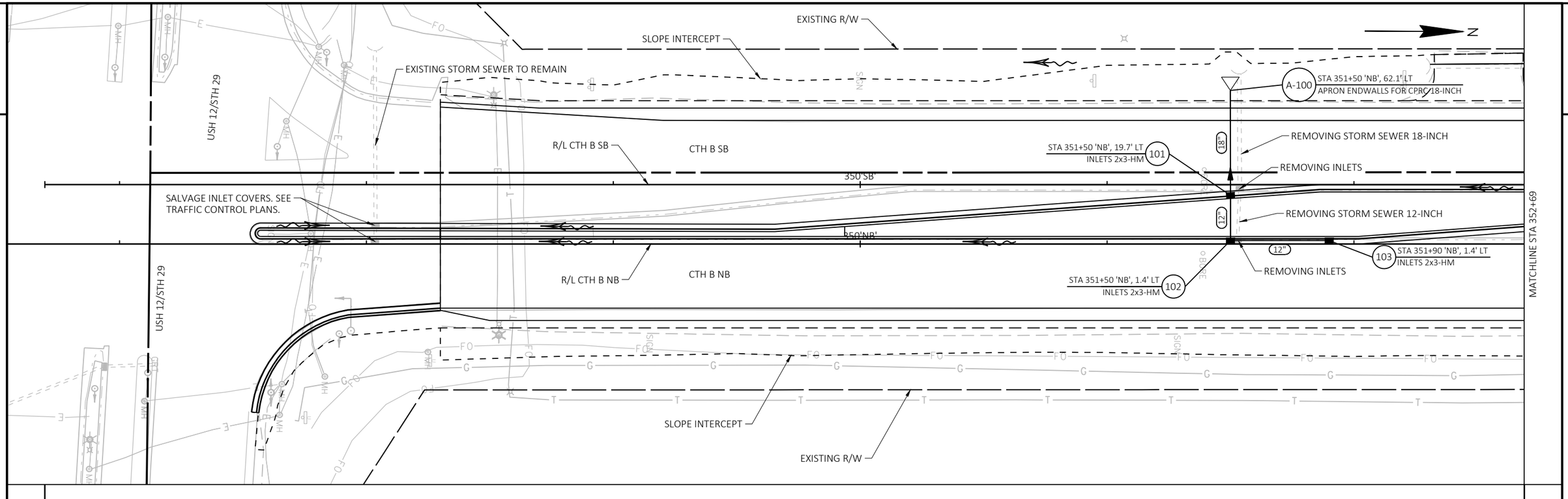
399+00 'SB' 399+00 'NB'

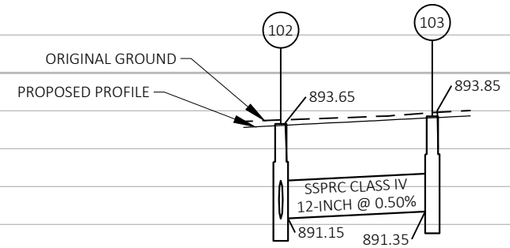
EXISTING R/W

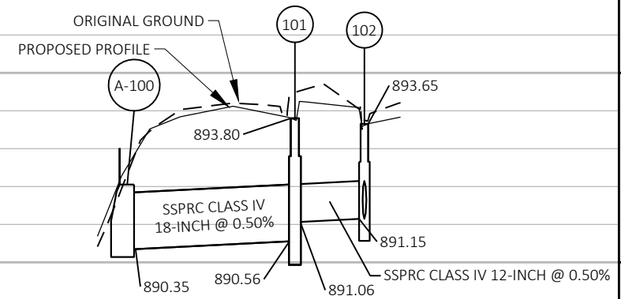
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	EROSION CONTROL	SHEET 33	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - EC-05

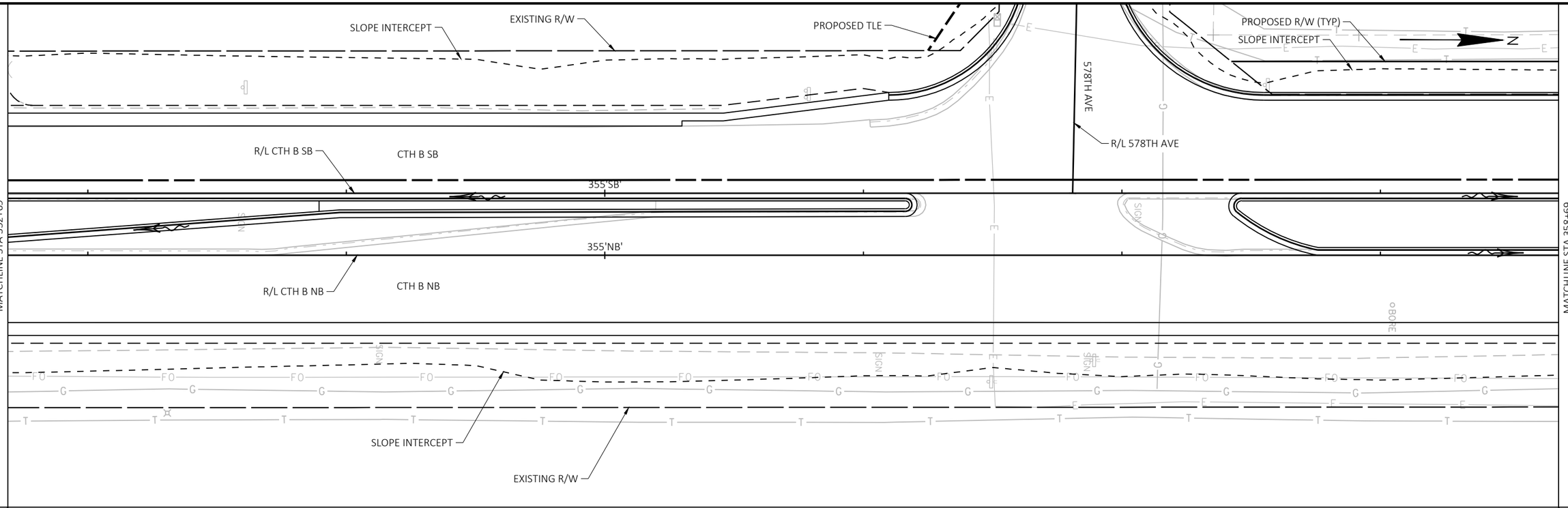
PLOT DATE : 8/29/2023 6:44 AM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:50 FT







PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	STORM SEWER	SHEET 34	E



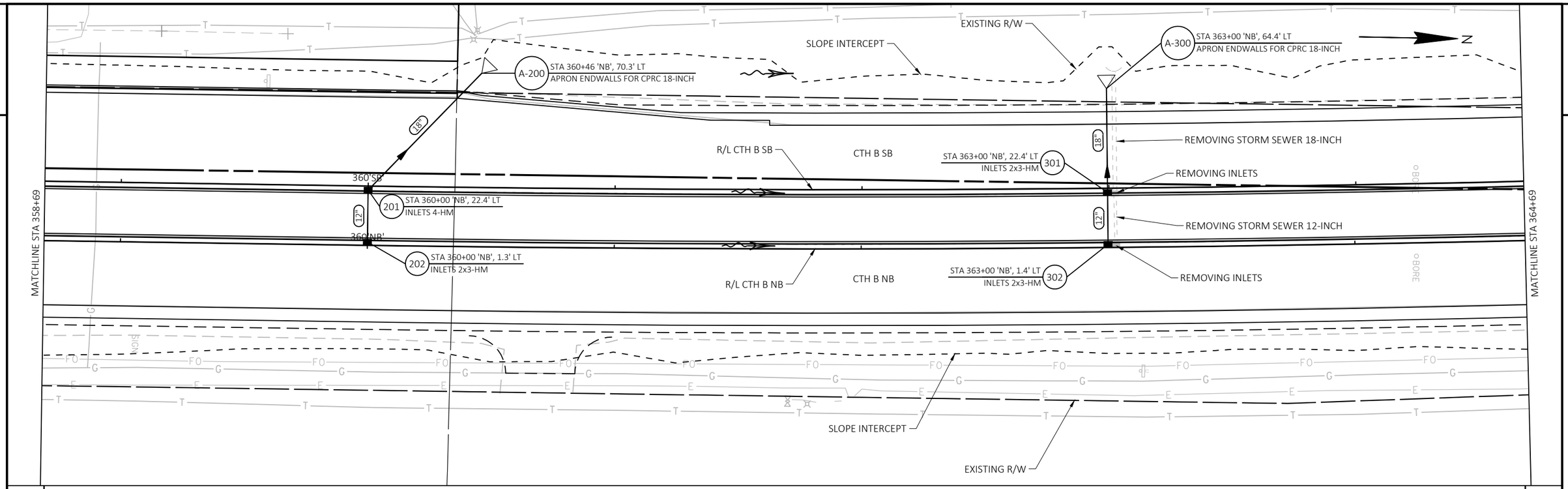
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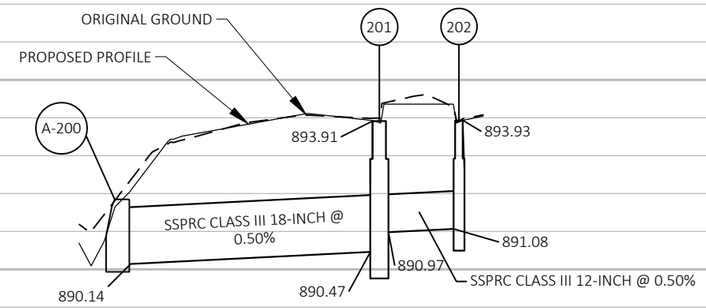
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	STORM SEWER	SHEET 35	E

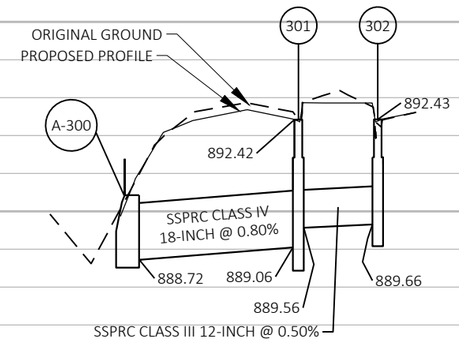
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/24/2023 1:05 PM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41



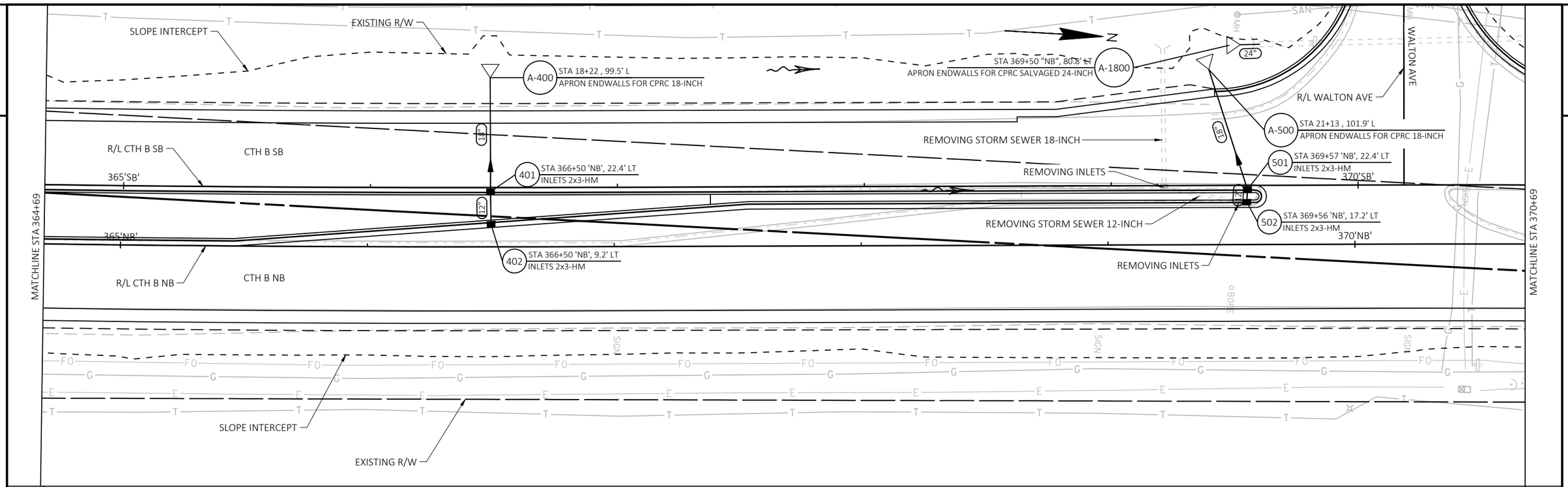


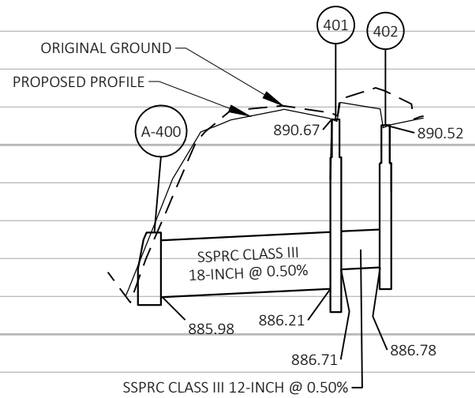


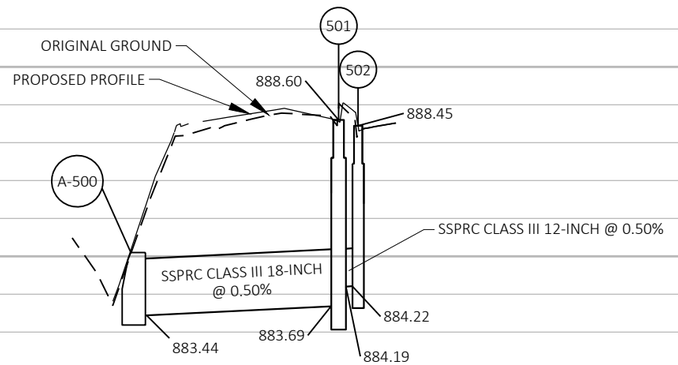
900
895
890
885

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	STORM SEWER	SHEET 36	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 03
PLOT DATE : 7/24/2023 1:05 PM
PLOT BY : MATT PAYNE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT





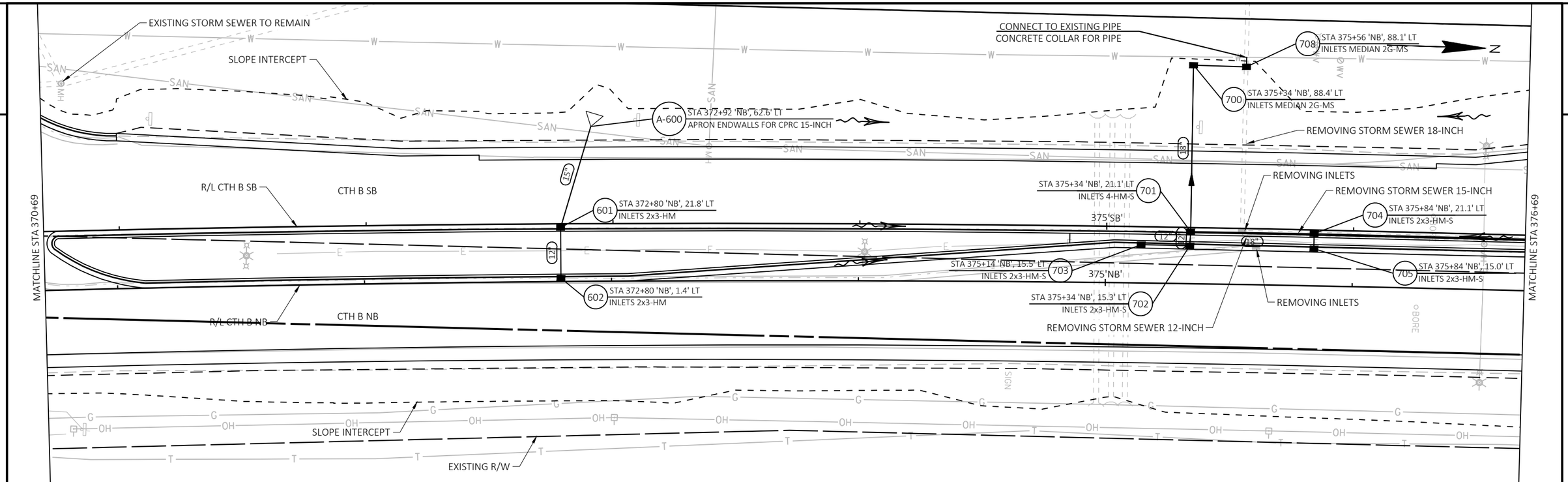


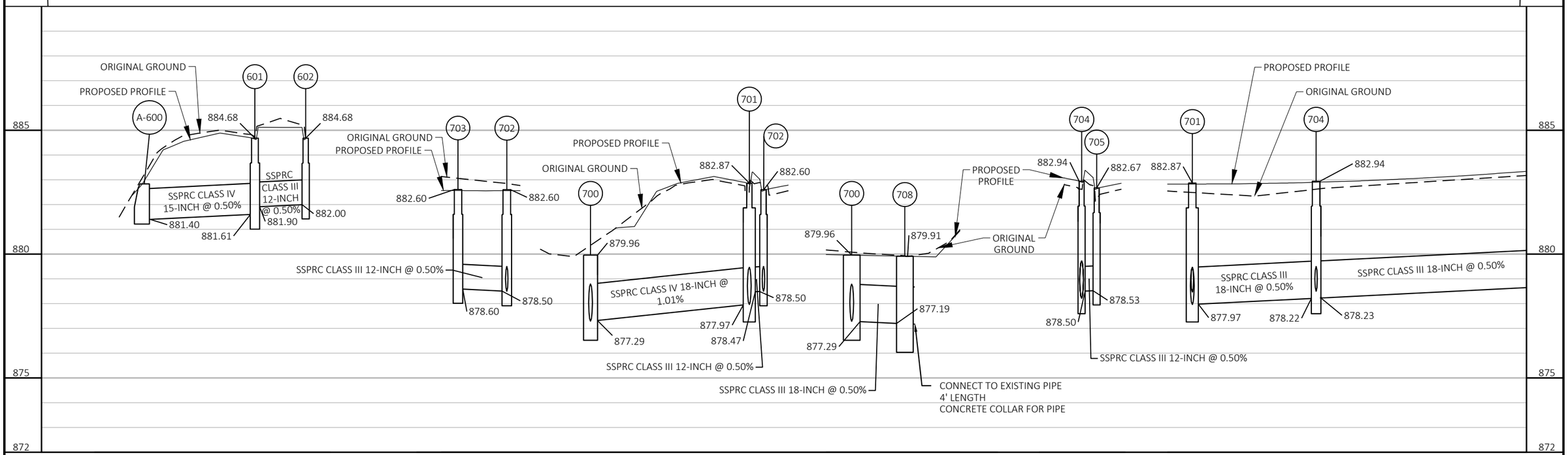
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	STORM SEWER	SHEET 37	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 04

PLOT DATE : 7/24/2023 1:05 PM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41





PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	STORM SEWER	SHEET 38	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/24/2023 1:05 PM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

DISTRIBUTION CENTER DRIVEWAY

SLOPE INTERCEPT

R/L DISTRIBUTION CENTER DRIVEWAY

SLOPE INTERCEPT

N

REMOVING STORM SEWER 15-INCH

REMOVING INLETS

706 STA 378+24 'NB', 21.8' LT
INLETS 4-HM

R/L CTH B SB

CTH B SB

380'SB'

MATCHLINE STA 376+69

18"

REMOVING INLETS

12"

380'NB'

REMOVING STORM SEWER 12-INCH

REMOVING INLETS

STA 378+68 'NB', 1.4' LT
INLETS 4-HM 707

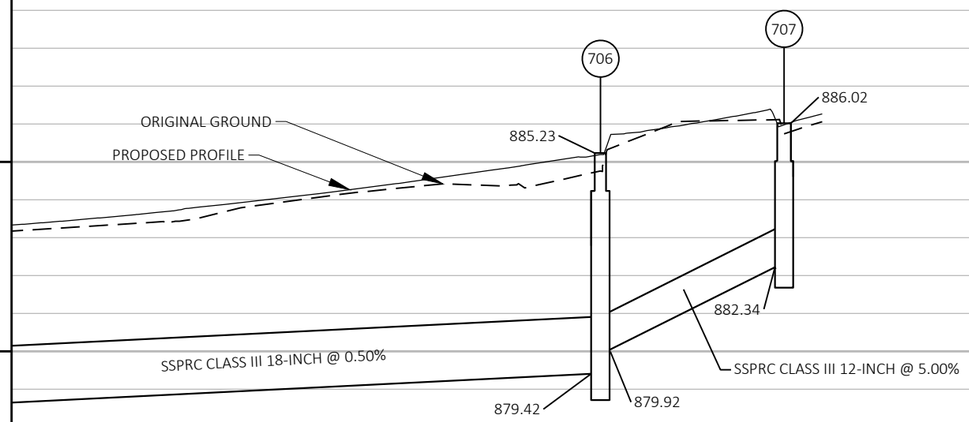
R/L CTH B NB

CTH B NB

MATCHLINE STA 382+69

SLOPE INTERCEPT

EXISTING R/W



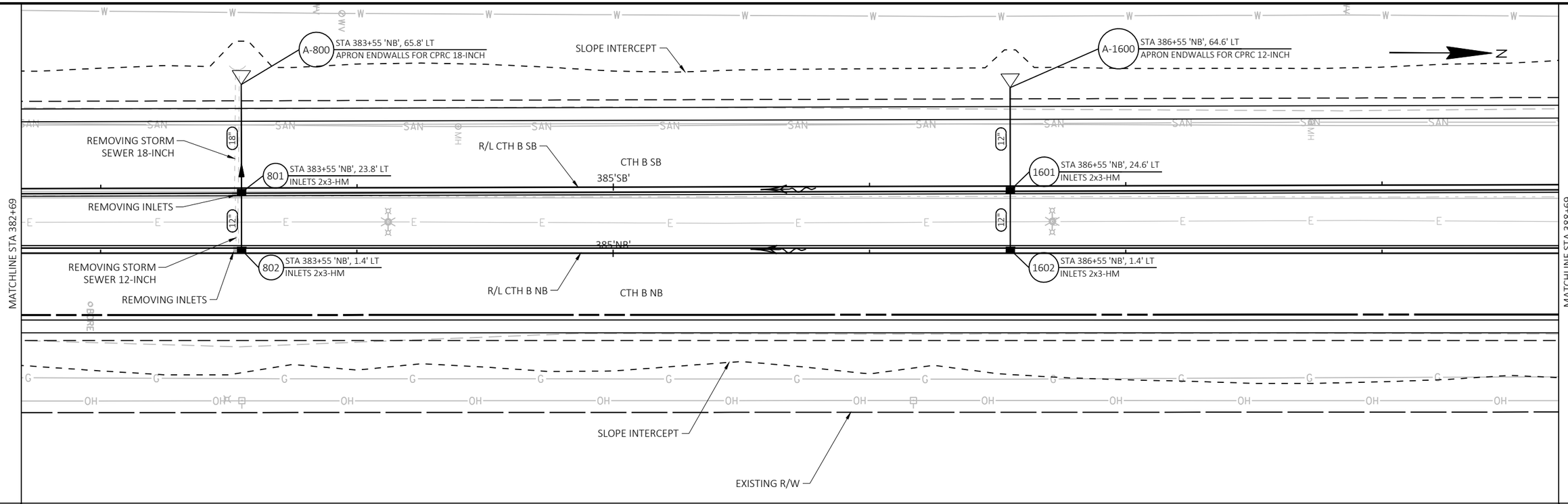
890
885
880
875

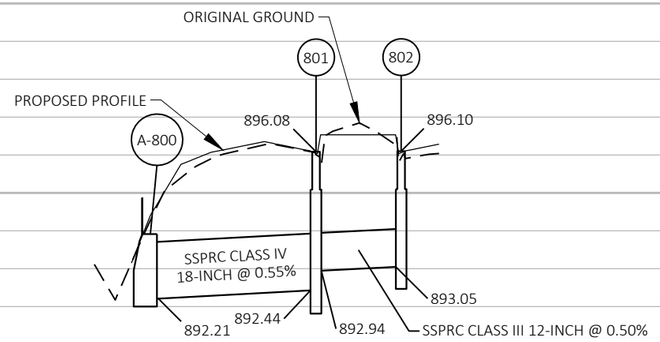
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	STORM SEWER	SHEET 39	E

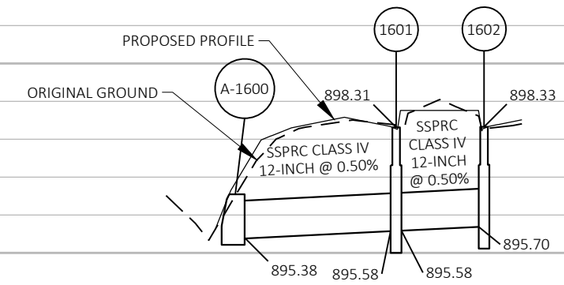
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/24/2023 1:05 PM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

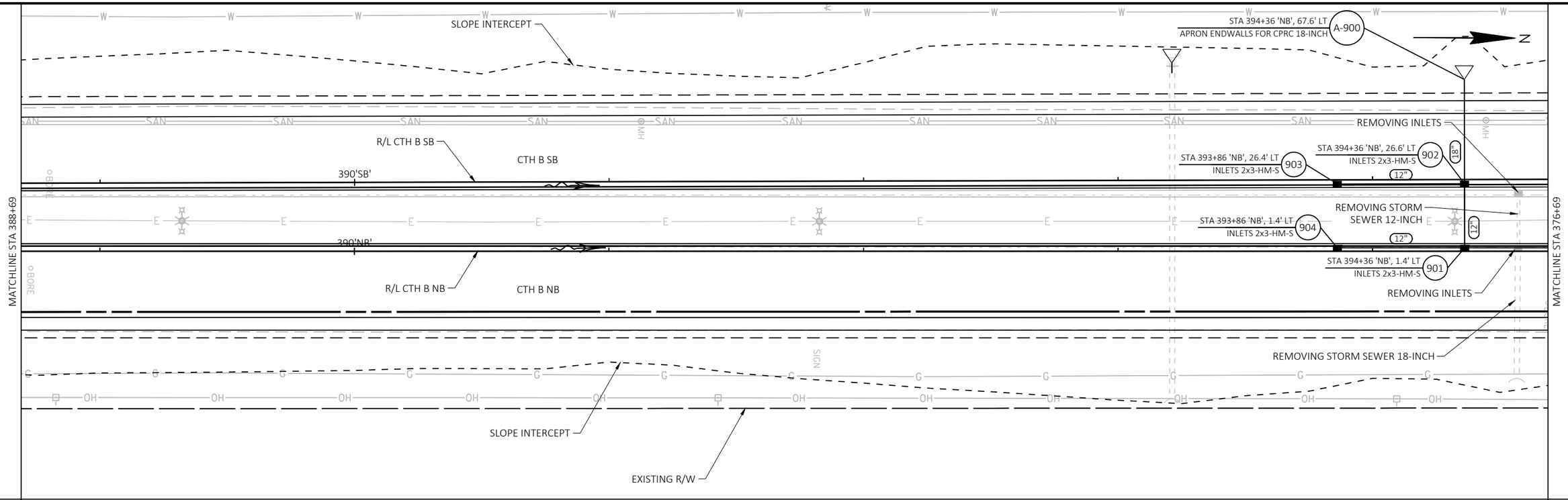


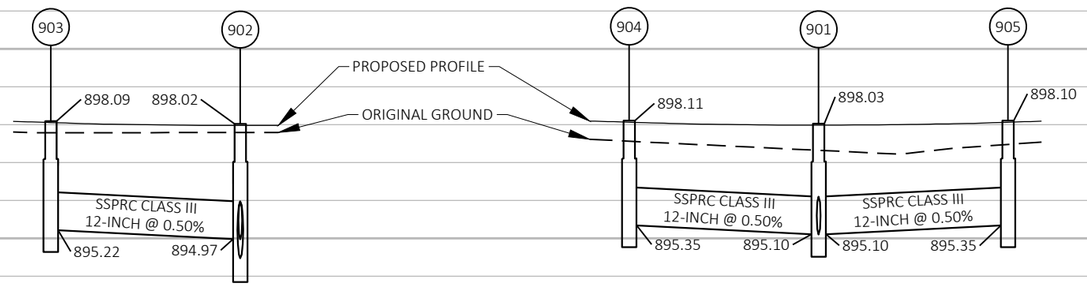




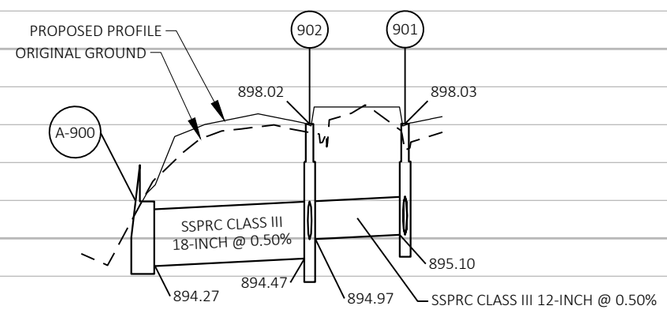
900
895
890
885

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	STORM SEWER	SHEET 40	E


SLOPE INTERCEPT
STA 394+36 'NB', 67.6' LT
APRON ENDWALLS FOR CPRC 18-INCH
A-900
N
REMOVING INLETS
R/L CTH B SB
CTH B SB
390'SB'
STA 393+86 'NB', 26.4' LT
INLETS 2x3-HM-S
903
STA 394+36 'NB', 26.6' LT
INLETS 2x3-HM-S
902
18"
12"
REMOVING STORM
SEWER 12-INCH
12"
STA 393+86 'NB', 1.4' LT
INLETS 2x3-HM-S
904
STA 394+36 'NB', 1.4' LT
INLETS 2x3-HM-S
901
REMOVING INLETS
MATCHLINE STA 388+69
MATCHLINE STA 376+69
390'NB'
R/L CTH B NB
CTH B NB
REMOVING STORM SEWER 18-INCH
SLOPE INTERCEPT
EXISTING R/W


903
902
PROPOSED PROFILE
ORIGINAL GROUND
898.09
898.02
SSPRC CLASS III
12-INCH @ 0.50%
895.22
894.97

904
901
905
898.11
898.03
898.10
SSPRC CLASS III
12-INCH @ 0.50%
SSPRC CLASS III
12-INCH @ 0.50%
895.35
895.10
895.10
895.35


PROPOSED PROFILE
ORIGINAL GROUND
902
901
898.02
898.03
A-900
SSPRC CLASS III
18-INCH @ 0.50%
895.10
894.27
894.47
894.97
SSPRC CLASS III 12-INCH @ 0.50%

2

EXISTING R/W

SLOPE INTERCEPT

STA 397+77 'NB', 72.0' LT
APRON ENDWALLS FOR CPRC 18-INCH
A-1000

MATCHLINE STA 394+69

MATCHLINE STA 400+69

R/L CTH B SB

CTH B SB

395'SB'

905
STA 394+86 'NB', 1.4' LT
INLETS 2x3-HM-S

395'NB'

R/L CTH B NB

CTH B NB

18"

12"

1001
STA 397+77 'NB', 34.0' LT
INLETS 2x3-HM

1002
STA 397+77 'NB', 21.7' LT
INLETS 4-HM

1003
STA 398+69 'NB', 1.3' LT
INLETS 4-HM

STA 399+27, 28.3' LT
INLETS 4-HM
1004

12"

12"

3M DRIVE

R/L 3M DRIVE

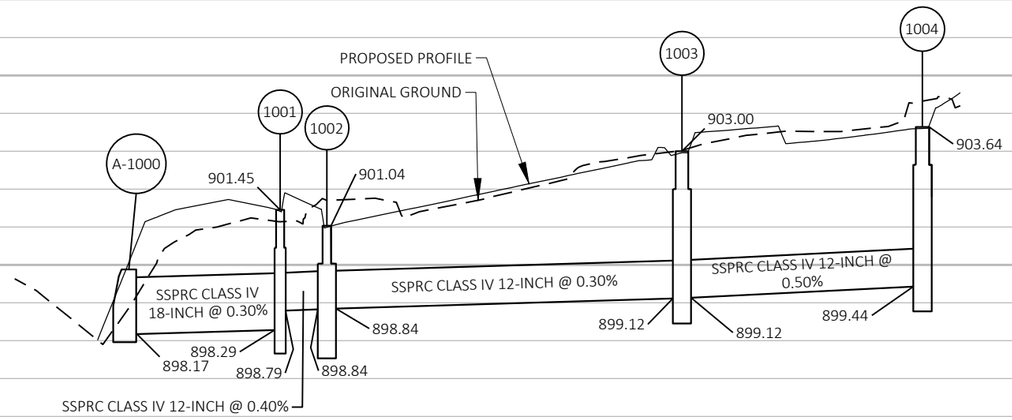
PROPOSED R/W

400'SB'

STA 400+43, 35.5' LT
INLETS 4-HM
1103

400'NB'

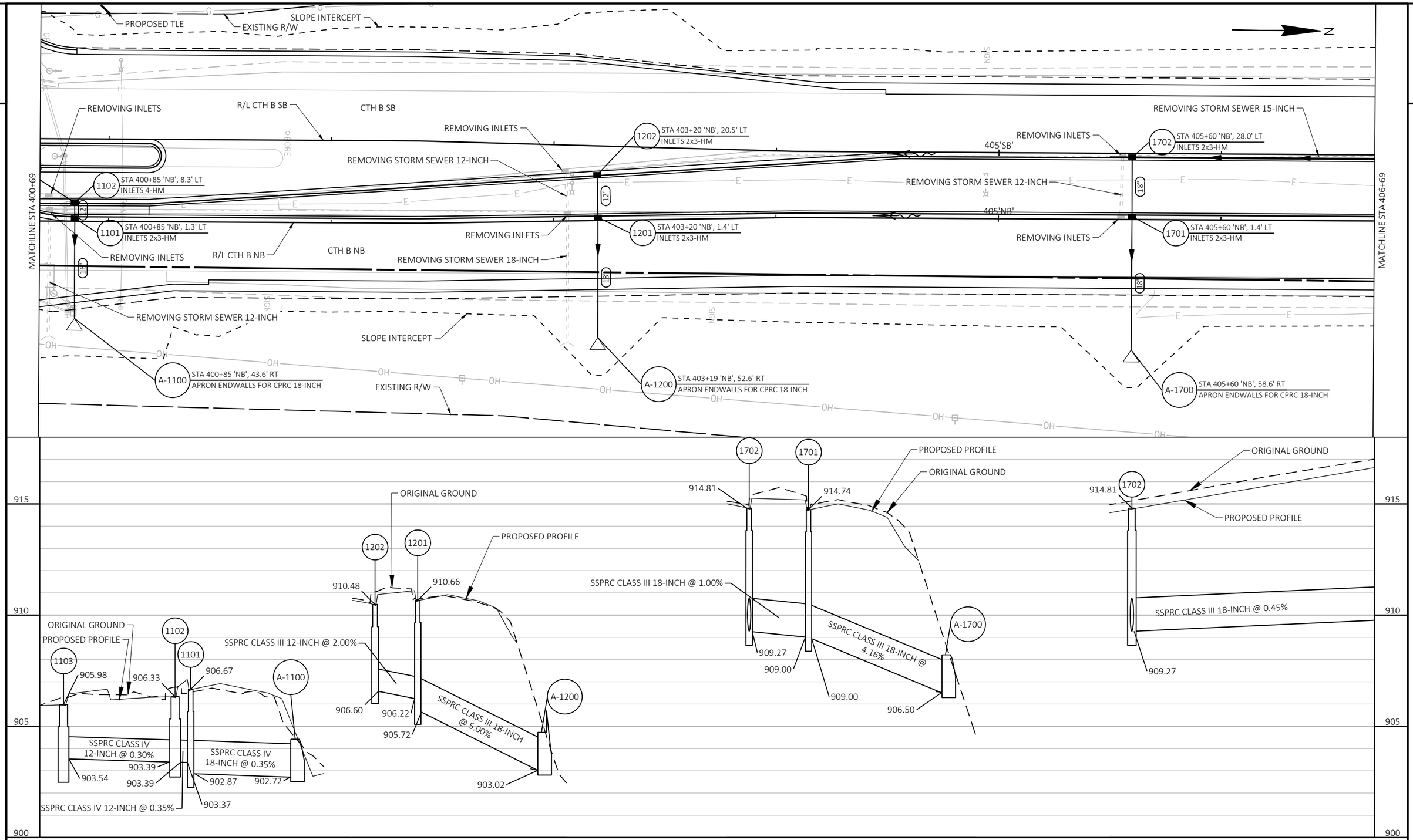
SLOPE INTERCEPT



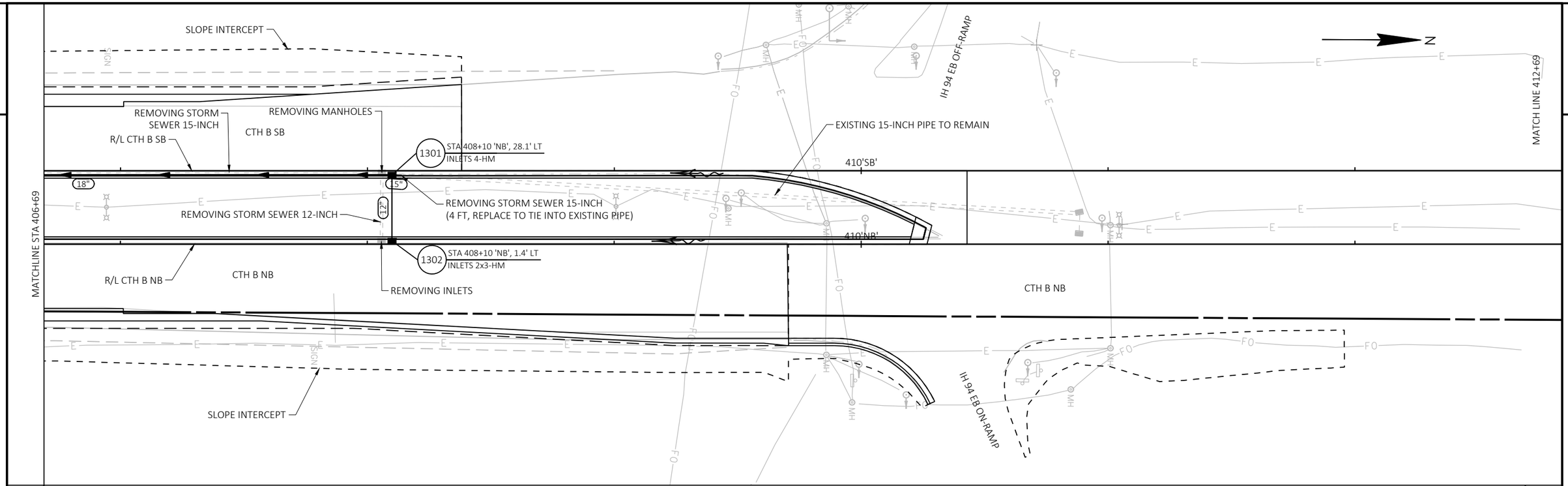
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	STORM SEWER	SHEET 42	E

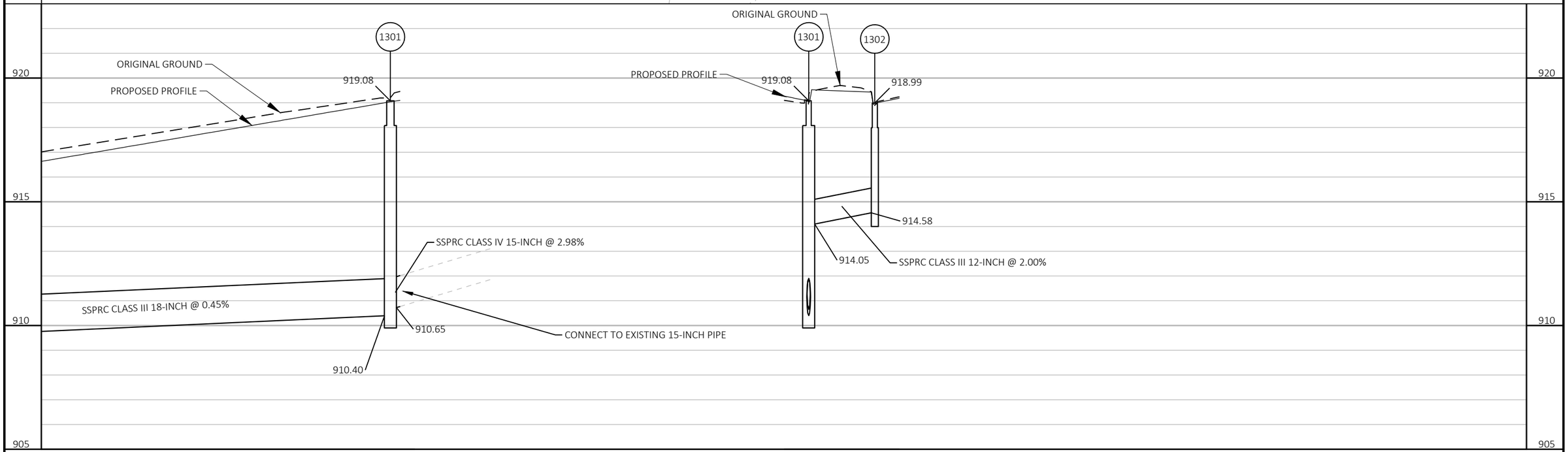
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 09

PLOT DATE : 7/24/2023 1:06 PM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	STORM SEWER	SHEET 43	E





PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	STORM SEWER	SHEET 44	E

2

N

MATCHLINE STA 406+69

STA 15+09 'B', 29.1' RT
INLETS 2x3-HM-S
1401

STA 15+21 'B', 50.2' RT
APRON ENDWALLS FOR CPRC 18-INCH
A-1400

18"

18"

15'

3M DRIVE

R/L 3M DRIVE

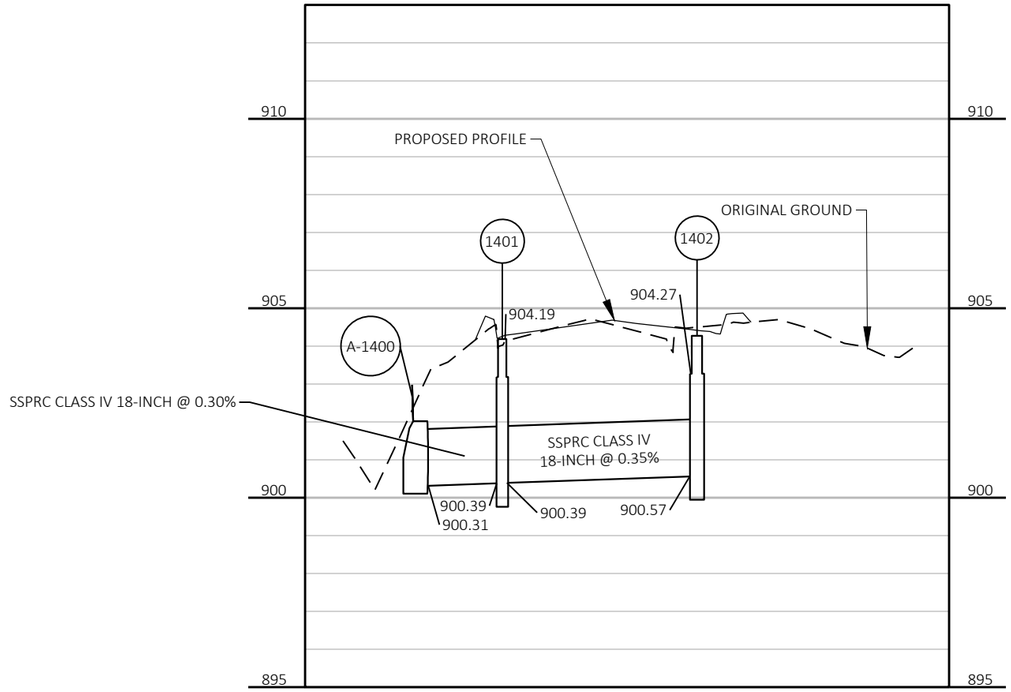
1402
STA 15+08 'B', 22.3' LT
INLETS 2x3-HM-S

PROPOSED R/W

PROPOSED TLE

SLOPE INTERCEPT

SLOPE INTERCEPT



PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	STORM SEWER	SHEET 45	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 12

PLOT DATE : 7/24/2023 1:06 PM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:20 FT

N

USH 12 EB

USH 12 WB

WRONG WAY
R5-1A
42"X30"
1-09

EAST 12 EAST 29 WEST 12 WEST 29
J2-4
144"X84"
1-10

(REMOVE EXISTING)

(REMOVE EXISTING)

ALT EAST 94 ALT WEST 94
INTERSTATE INTERSTATE
J33-2
72"X102"
1-11

MOVE EXISTING SIGN
Menomonie
Chippewa Falls

MOVE EXISTING SIGN

BEGIN LEFT TURN LANE
R3-20L
36"X54"
1-12

CTH B SB

347'SB' 348'SB' 349'SB' 350'SB' 351'SB' 352'SB' 353'SB'

346'NB' 347'NB' 348'NB' 349'NB' 350'NB' 351'NB' 353'NB'

CTH B NB

(REMOVE EXISTING)

ALT 94 INTERSTATE COUNTY B
J4-2
72"X54"
1-01

(REMOVE EXISTING)
1-02

SPEED LIMIT 45
R2-1
36"X48"

BEGIN LEFT TURN LANE
R3-20L
36"X54"
1-03

MATCHLINE STA 353+35

MATCHLINE STA 353+35

MATCHLINE STA 360+70

1-13 1-14

(REMOVE EXISTING)

W3-3
36"X36"

(REMOVE EXISTING)

JCT 12 JCT 29 END COUNTY B
J1-3
72"X39"
1-15

(REMOVE EXISTING)
1-16

STOP
R1-1
30"X30"

(REMOVE EXISTING)
1-17

DIVIDED HIGHWAY
R6-3
30"X24"

57'8TH AVE

11'A'

1-18

DO NOT ENTER
R5-1
36"X36"

(REMOVE EXISTING)

1-19

WRONG WAY
R5-1A
42"X30"

(REMOVE EXISTING)

N

CTH B SB

MOVE EXISTING LOCAL STREET SIGN

354'SB' 355'SB' 356'SB' 357'SB' 358'SB' 359'SB' 360'SB'

354'NB' 355'NB' 356'NB' 357'NB' 358'NB' 359'NB' 360'NB'

CTH B NB

1-04

WRONG WAY
R5-1A
42"X30"

(REMOVE EXISTING)

1-05

DO NOT ENTER
R5-1
36"X36"

(REMOVE EXISTING)

ONE WAY
R6-2L
36"X48"
1-06

(REMOVE EXISTING)

R4-7
36"X48"
1-07

1-08

SPEED LIMIT 45
R2-1
36"X48"

(REMOVE EXISTING)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PERMANENT SIGNING	SHEET 46	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - PS-01

PLOT DATE : 12/2/2022 8:50 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N

MATCHLINE STA 360+70

361'SB' 362'SB' CTH B SB 363'SB' 364'SB' 365'SB' 366'SB' 367'SB' 368'S

361'NB' 362'NB' CTH B NB 363'NB' 364'NB' 365'NB' 366'NB' 367'NB' 368'N

MATCHLINE STA 368+05

BEGIN LEFT TURN LANE
R3-20L
36"X54"
2-01

(REMOVE EXISTING) WRONG WAY
R5-1A
42"X30"
2-02

N

2-08 (REMOVE EXISTING) STOP
R1-1
30"X30"

2-09 (REMOVE EXISTING) DIVIDED HIGHWAY
R6-3
30"X24"

MOVE EXISTING LOCAL STREET SIGN

WALTON AVE

11'WN'

2-10 DO NOT ENTER (REMOVE EXISTING)
R5-1
36"X36"

2-11 WRONG WAY (REMOVE EXISTING)
R5-1A
42"X30"

(REMOVE EXISTING) SPEED LIMIT 45 2-12
R2-1
36"X48"

MATCHLINE STA 368+05

CTH B SB

B' 369'SB' 370'SB' 371'SB' 372'SB' 373'SB' 374'SB' 375'SB'

B' CTH B NB 369'NB' 370'NB' 371'NB' 372'NB' 374'NB' 375'NB'

MATCHLINE STA 375+40

2-03 DO NOT ENTER (REMOVE EXISTING)
R5-1
36"X36"

2-04 ONE WAY (REMOVE EXISTING)
R6-2L
36"X48"

2-05 (REMOVE EXISTING)
R4-7
36"X48"

2-06 BEGIN LEFT TURN LANE
R3-20L
24"X36"

(REMOVE EXISTING) WRONG WAY 2-07
R5-1A
42"X30"

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PERMANENT SIGNING	SHEET 47	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - PS-02

PLOT DATE : 11/21/2022 3:06 PM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

(REMOVE EXISTING) STOP R1-1 30"X30" 3-05

(REMOVE EXISTING) DIVIDED HIGHWAY R6-3 30"X24" 3-06

DISTRIBUTION CENTER DRIVEWAY

13'DC'

(REMOVE EXISTING) DO NOT ENTER R5-1 36"X36" 3-07

(REMOVE EXISTING) WRONG WAY R5-1A 42"X30" 3-08

N

CTH B SB

376'SB' 377'SB' 378'SB' 379'SB' 380'SB' 381'SB' 382'SB'

376'NB' 377'NB' 378'NB' 379'NB' 380'NB' 381'NB' 382'NB'

CTH B NB

MATCHLINE STA 375+40

MATCHLINE STA 382+75

(REMOVE EXISTING) DO NOT ENTER R5-1 36"X36" 3-01

(REMOVE EXISTING) ONE WAY R6-2L 36"X48" 3-02

(REMOVE EXISTING) R4-7 36"X48" 3-03

(REMOVE EXISTING) SPEED LIMIT 45 R2-1 36"X48" 3-04

2

N

CTH B SB

383'SB' 384'SB' 385'SB' 386'SB' 387'SB' 388'SB' 389'SB' 390'SB'

383'NB' 384'NB' 385'NB' 386'NB' 387'NB' 388'NB' 389'NB' 390'NB'

CTH B NB

MATCHLINE STA 382+75

MATCHLINE STA 390+10

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PERMANENT SIGNING	SHEET 48	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - PS-03

PLOT DATE : 11/21/2022 3:06 PM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

MATCHLINE STA 390+10

MATCHLINE STA 397+45

(REMOVE EXISTING) SPEED LIMIT 45 R2-1 36"X48" 4-15

N

CTH B SB

391'SB' 392'SB' 393'SB' 394'SB' 395'SB' 396'SB' 397'SB'

391'NB' 392'NB' 393'NB' 394'NB' 395'NB' 396'NB' 397'NB'

CTH B NB

(REMOVE EXISTING) W3-3 36"X36" 4-01 4-02

BEGIN LEFT TURN LANE R3-20L 36"X54" 4-03

MOVE EXISTING SIGN Rusk

WRONG WAY R5-1A 42"X30" 4-04 (REMOVE EXISTING)

MATCHLINE STA 397+45

MATCHLINE STA 404+80

(REMOVE EXISTING) ALT INTERSTATE 94 COUNTY B J4-2 72"X54" 4-16

(REMOVE EXISTING) R4-7 36"X48" 4-17

(REMOVE EXISTING) 4-18 STOP R1-1F 30"X30" DIVIDED HIGHWAY R6-3 30"X24" (REMOVE EXISTING) 4-19

DO NOT ENTER R5-1 36"X36" (REMOVE EXISTING) 4-20 4-22

STOP R1-1F 36"X36" (REMOVE EXISTING) 4-21 4-23

MOVE EXISTING LOCAL STREET SIGN

I5-1 24"X24" (REMOVE EXISTING) 4-24

MK6-1 21"X21" (REMOVE EXISTING) 4-25

4-26 BEGIN LEFT TURN LANE R3-20L 36"X54"

16'B'

400'SB'

CTH B SB

398'SB' 399'SB' 401'SB' 402'SB' 403'SB' 404'SB'

398'NB' 399'NB' 401'NB' 402'NB' 403'NB' 404'NB'

CTH B NB

11'C'

JCT INTERSTATE 94 J1-1 36"X57" (REMOVE EXISTING) 4-05

STOP R1-1F 36"X36" 4-.06 4-08 (REMOVE EXISTING) 4-07 4-09 DO NOT ENTER R5-1 36"X36"

MOVE EXISTING LOCAL STREET SIGN

4-12 (REMOVE EXISTING) R4-7 36"X48"

STOP R1-1F 30"X30" (REMOVE EXISTING) 4-10

DIVIDED HIGHWAY R6-3 30"X24" (REMOVE EXISTING) 4-11

SPEED LIMIT 45 R2-1 36"X48" (REMOVE EXISTING) 4-13

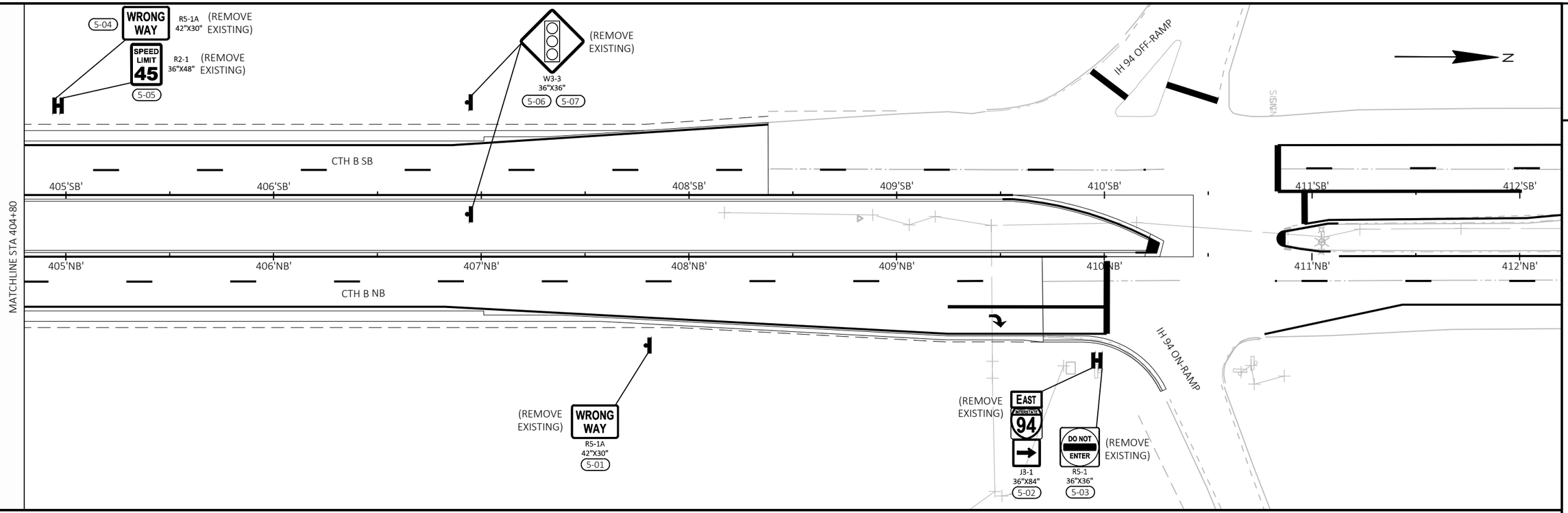
(REMOVE EXISTING) 4-14 ALT WEST INTERSTATE 94 ALT EAST INTERSTATE 94 J33-2 72"X102"

N

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PERMANENT SIGNING	SHEET 49	E

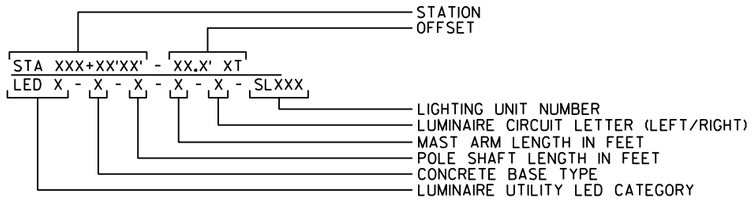
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - PS-04

PLOT DATE : 8/29/2023 1:41 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:50 FT



2

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PERMANENT SIGNING	SHEET 50	E



GENERAL STREET LIGHTING NOTES:

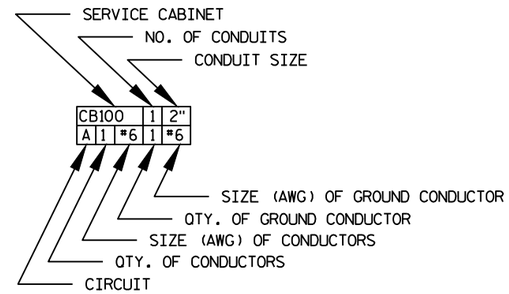
1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.

2) PITCH ALL CONDUITS TOWARD PULLBOXES. INSTALL A 2" DRAIN DUCT TO DITCH OR STORM SEWER AS REQUIRED FOR DRAINAGE. THIS 2" DRAIN DUCT IS INCIDENTAL TO THE PULL BOX BID ITEM. DRAIN DUCT IS NOT SHOWN. DO NOT SPLICE IN PULLBOXES.

3) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

4) REFER TO STAKING DATA FOR EXACT OFFSET LOCATIONS, WITH ALL LOCATION APPROVED BY THE ENGINEER PRIOR TO INSTALL.

CONDUIT/CONDUCTOR LEGEND



PWO = PULL WIRE ONLY

NEU = NEUTRAL

CONDUCTOR COLOR LEGEND

CB100

LIGHTING CONDUCTORS
A - BLACK
B - RED
C - BLACK
D - RED
E - BLACK
F - RED
240V PHASE TO PHASE

LEGEND:

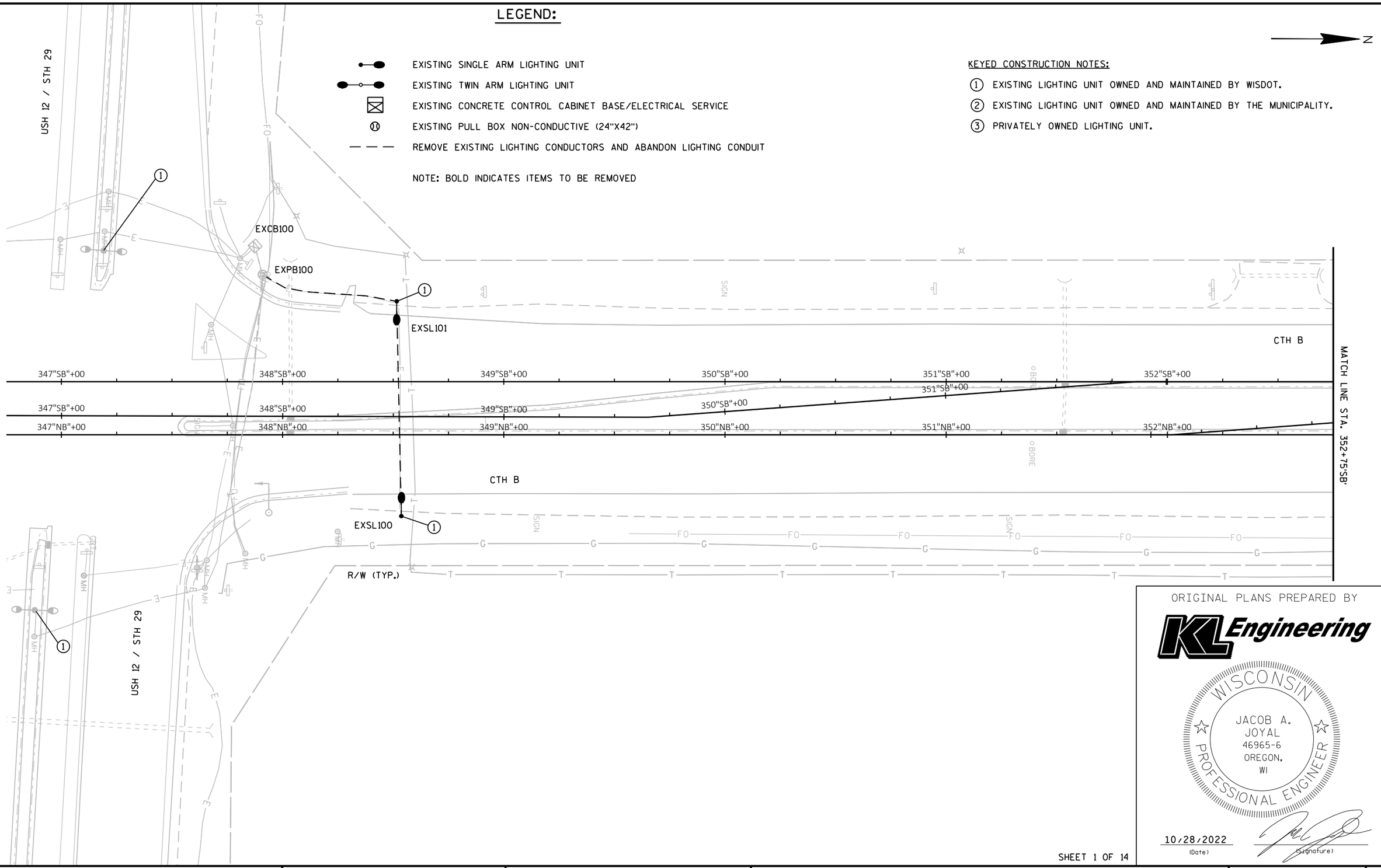
- EXISTING SINGLE ARM LIGHTING UNIT
- EXISTING TWIN ARM LIGHTING UNIT
- EXISTING CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- EXISTING PULL BOX NON-CONDUCTIVE (24"X42")
- REMOVE EXISTING LIGHTING CONDUCTORS AND ABANDON LIGHTING CONDUIT

NOTE: BOLD INDICATES ITEMS TO BE REMOVED

KEYED CONSTRUCTION NOTES:

1. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY WISDOT.
2. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY THE MUNICIPALITY.
3. PRIVATELY OWNED LIGHTING UNIT.

N



ORIGINAL PLANS PREPARED BY

KL Engineering

WISCONSIN
JACOB A. JOYAL
46965-6
OREGON, WI
PROFESSIONAL ENGINEER

10/28/2022
(Date)

(Signature)

SHEET 1 OF 14

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	LIGHTING REMOVAL PLANS	SHEET 52	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\023601_LR.DWG
LAYOUT NAME - CTH B South

PLOT DATE : 7/6/2023 11:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

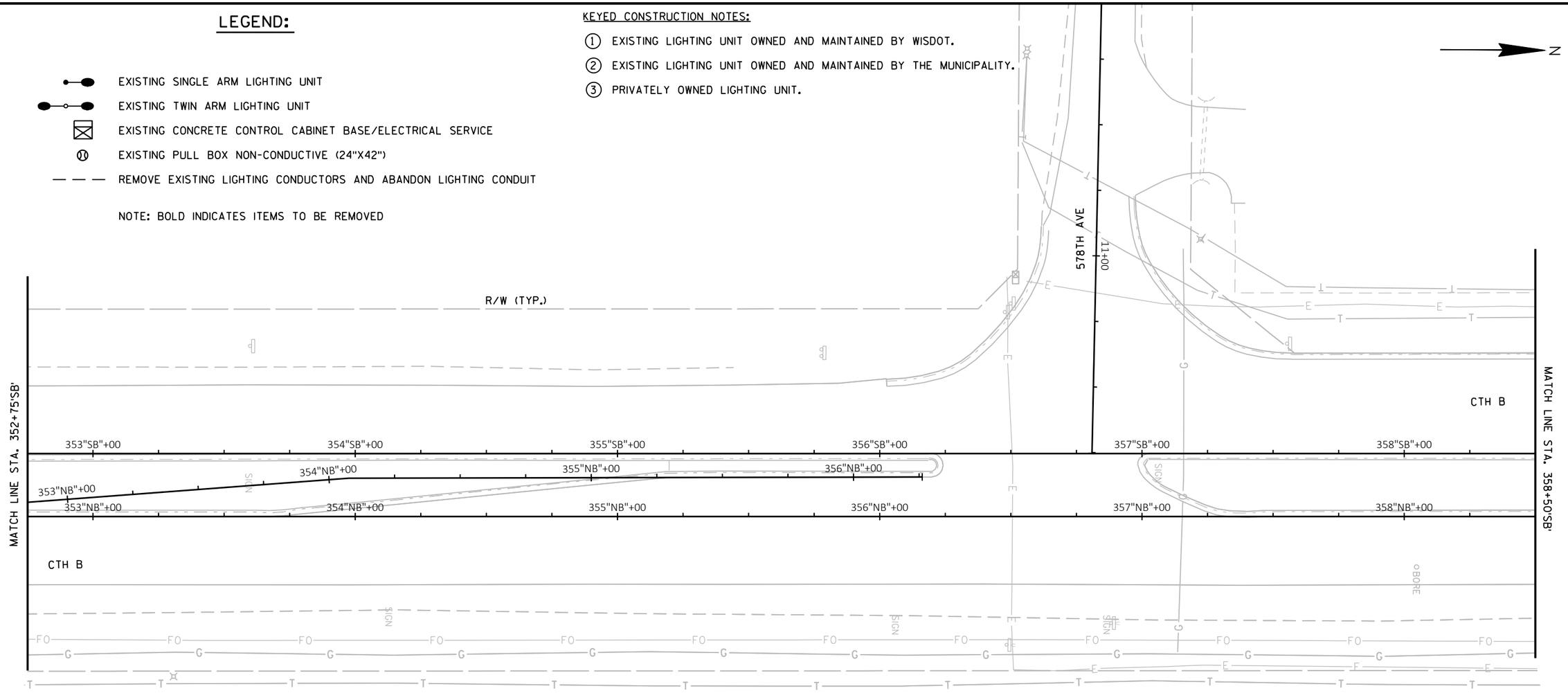
LEGEND:

- EXISTING SINGLE ARM LIGHTING UNIT
- EXISTING TWIN ARM LIGHTING UNIT
- EXISTING CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- EXISTING PULL BOX NON-CONDUCTIVE (24"X42")
- — — — REMOVE EXISTING LIGHTING CONDUCTORS AND ABANDON LIGHTING CONDUIT

NOTE: BOLD INDICATES ITEMS TO BE REMOVED

KEYED CONSTRUCTION NOTES:

1. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY WISDOT.
2. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY THE MUNICIPALITY.
3. PRIVATELY OWNED LIGHTING UNIT.



CONSTRUCTION NOTES:

1) NO LIGHTING REMOVALS ON THIS SHEET

SHEET 2 OF 14

PROJECT NO: 7996-00-73	HWY: CTH B	COUNTY: DUNN	LIGHTING REMOVAL PLANS	SHEET 53	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\023601_LR.DWG
LAYOUT NAME - CTH B South (1)

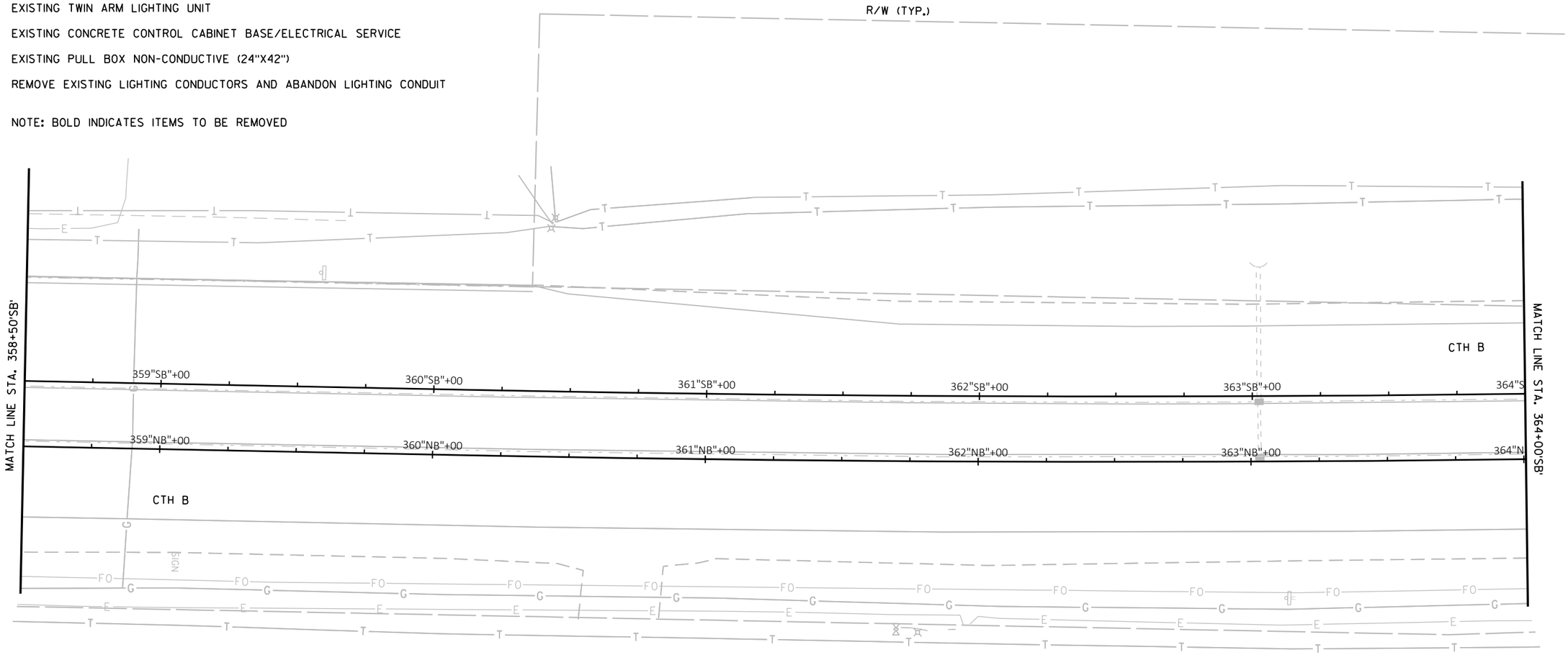
PLOT DATE : 7/6/2023 11:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND:

- EXISTING SINGLE ARM LIGHTING UNIT
- EXISTING TWIN ARM LIGHTING UNIT
- EXISTING CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- EXISTING PULL BOX NON-CONDUCTIVE (24"X42")
- REMOVE EXISTING LIGHTING CONDUCTORS AND ABANDON LIGHTING CONDUIT

NOTE: BOLD INDICATES ITEMS TO BE REMOVED



KEYED CONSTRUCTION NOTES:

1. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY WISDOT.
2. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY THE MUNICIPALITY.
3. PRIVATELY OWNED LIGHTING UNIT.

CONSTRUCTION NOTES:

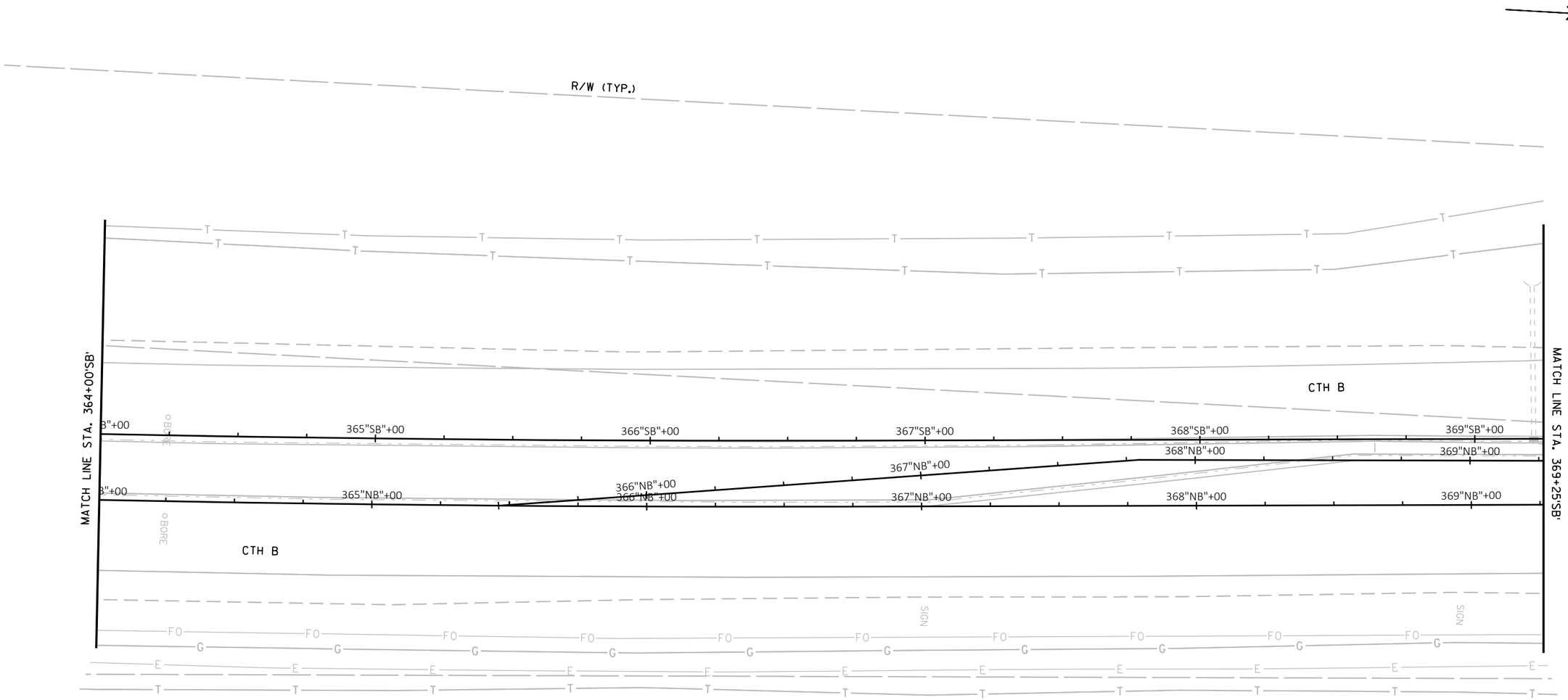
1) NO LIGHTING REMOVALS ON THIS SHEET

SHEET 3 OF 14

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	LIGHTING REMOVAL PLANS	SHEET 54	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\023601_LR.DWG
LAYOUT NAME - CTH B South (2)
PLOT DATE : 7/6/2023 11:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND:

- EXISTING SINGLE ARM LIGHTING UNIT
- EXISTING TWIN ARM LIGHTING UNIT
- EXISTING CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- EXISTING PULL BOX NON-CONDUCTIVE (24"X42")
- REMOVE EXISTING LIGHTING CONDUCTORS AND ABANDON LIGHTING CONDUIT

NOTE: BOLD INDICATES ITEMS TO BE REMOVED

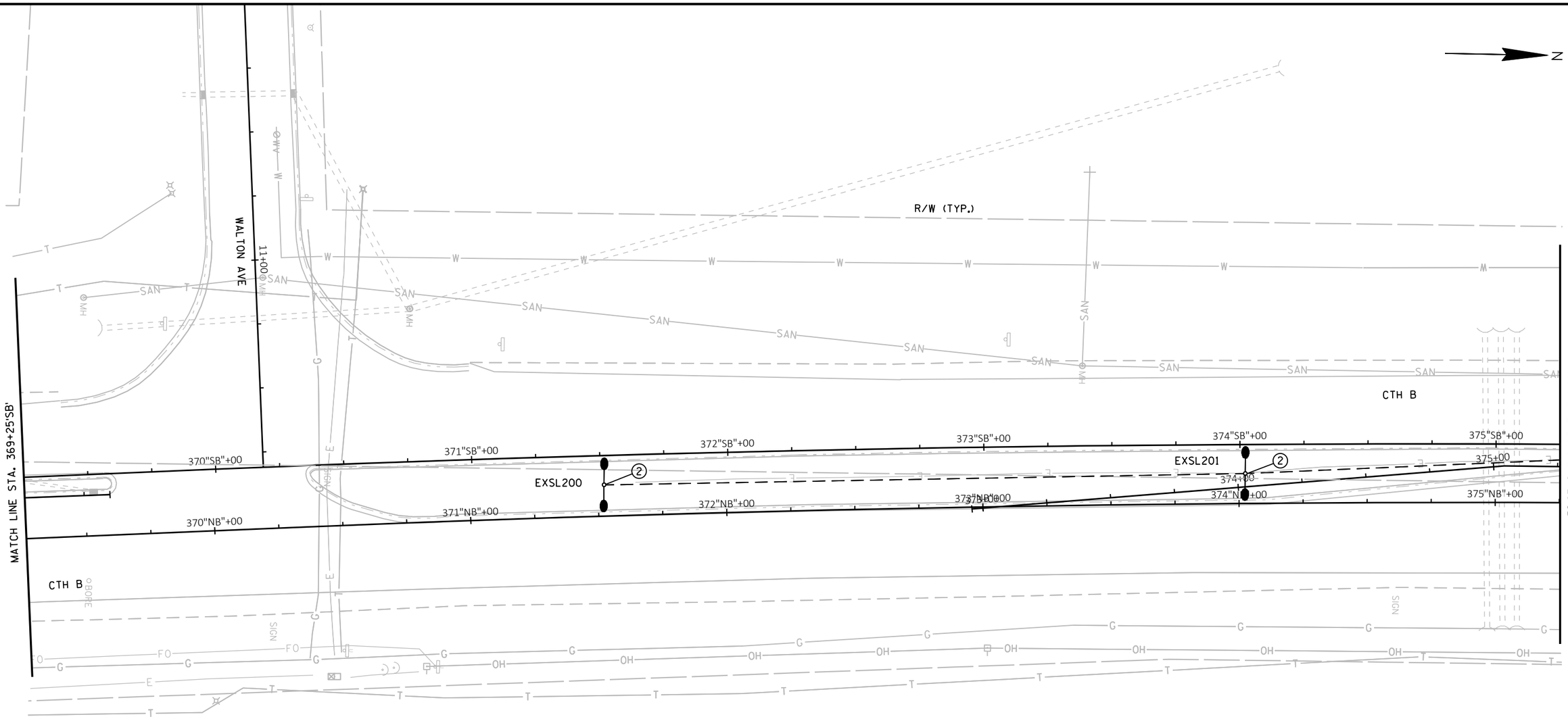
KEYED CONSTRUCTION NOTES:

1. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY WISDOT.
2. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY THE MUNICIPALITY.
3. PRIVATELY OWNED LIGHTING UNIT.

CONSTRUCTION NOTES:

1) NO LIGHTING REMOVALS ON THIS SHEET

2



LEGEND:

- EXISTING SINGLE ARM LIGHTING UNIT
- EXISTING TWIN ARM LIGHTING UNIT
- EXISTING CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- EXISTING PULL BOX NON-CONDUCTIVE (24"X42")
- REMOVE EXISTING LIGHTING CONDUCTORS AND ABANDON LIGHTING CONDUIT

NOTE: BOLD INDICATES ITEMS TO BE REMOVED

KEYED CONSTRUCTION NOTES:

1. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY WISDOT.
2. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY THE MUNICIPALITY.
3. PRIVATELY OWNED LIGHTING UNIT.

CONSTRUCTION NOTES:

1) NO LIGHTING REMOVALS ON THIS SHEET

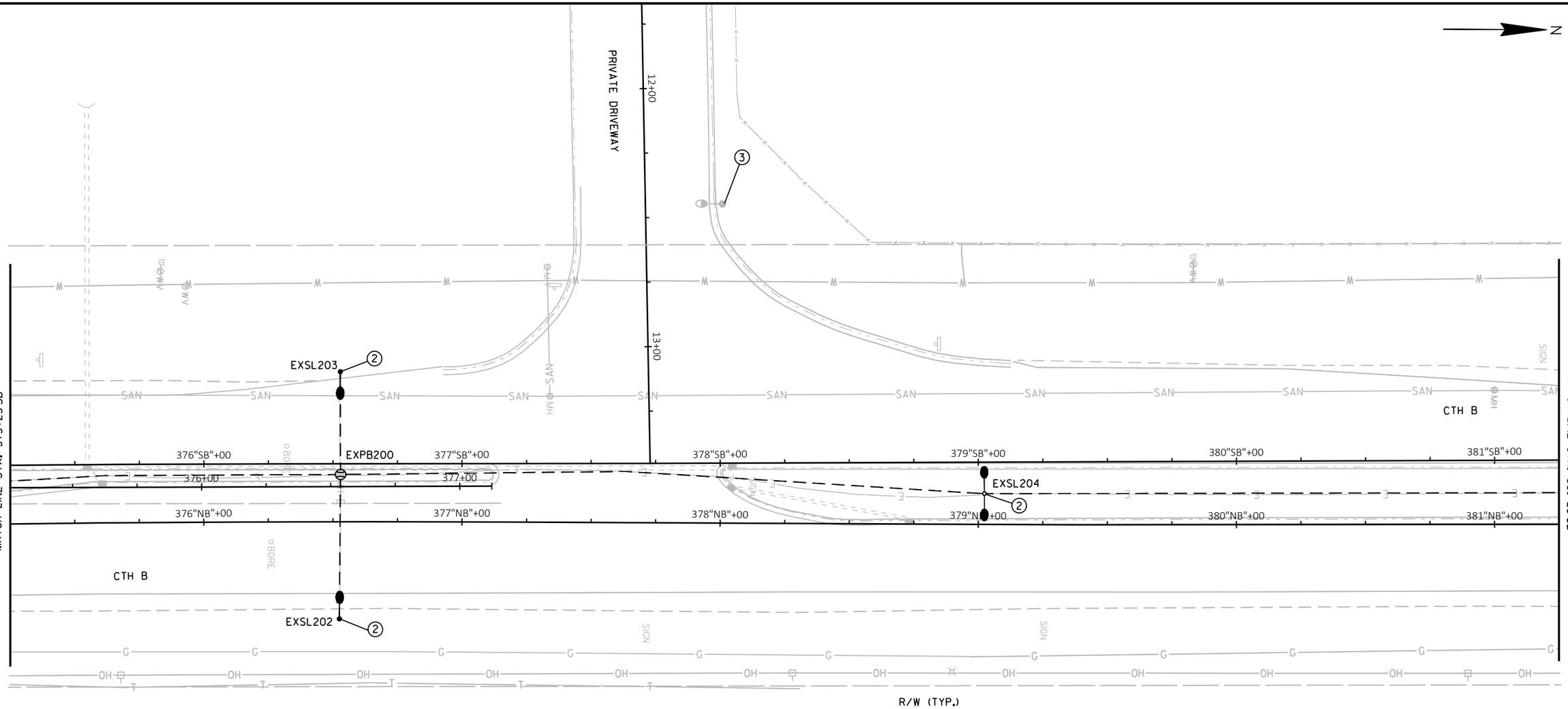
SHEET 5 OF 14

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	LIGHTING REMOVAL PLANS	SHEET 56	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\023601_LR.DWG
LAYOUT NAME - CTH B South (4)

PLOT DATE : 7/6/2023 11:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND:

- EXISTING SINGLE ARM LIGHTING UNIT
- EXISTING TWIN ARM LIGHTING UNIT
- EXISTING CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- EXISTING PULL BOX NON-CONDUCTIVE (24"X42")
- — — — REMOVE EXISTING LIGHTING CONDUCTORS AND ABANDON LIGHTING CONDUIT

NOTE: BOLD INDICATES ITEMS TO BE REMOVED

KEYED CONSTRUCTION NOTES:

1. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY WISDOT.
2. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY THE MUNICIPALITY.
3. PRIVATELY OWNED LIGHTING UNIT.

2

LEGEND:

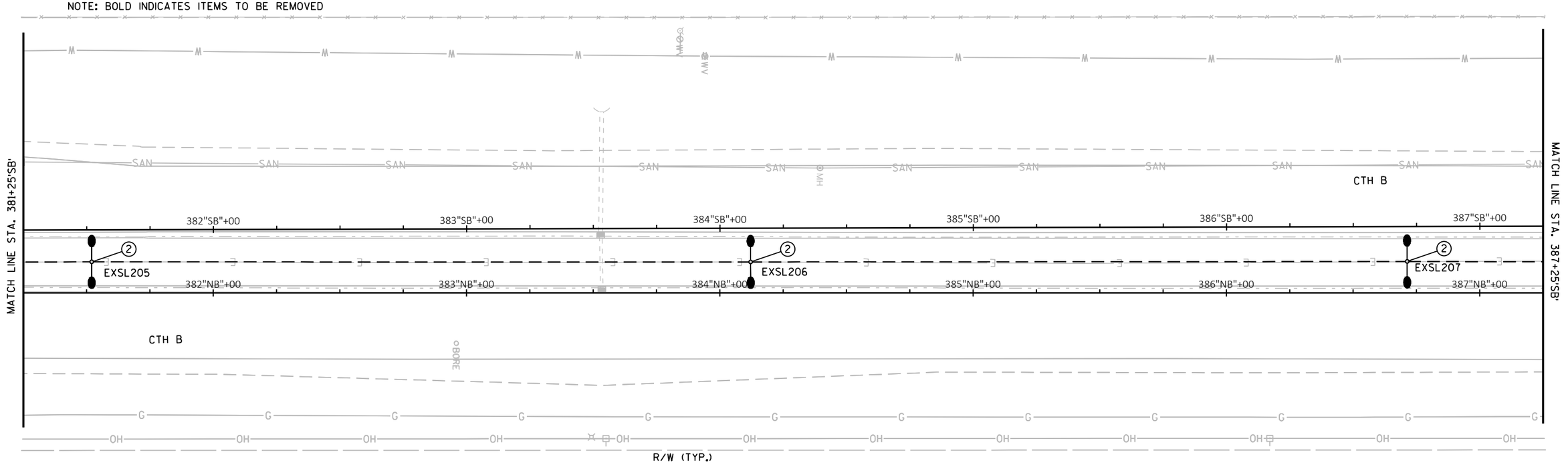
- EXISTING SINGLE ARM LIGHTING UNIT
- EXISTING TWIN ARM LIGHTING UNIT
- EXISTING CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- EXISTING PULL BOX NON-CONDUCTIVE (24"X42")
- REMOVE EXISTING LIGHTING CONDUCTORS AND ABANDON LIGHTING CONDUIT

NOTE: BOLD INDICATES ITEMS TO BE REMOVED

N

KEYED CONSTRUCTION NOTES:

1. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY WISDOT.
2. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY THE MUNICIPALITY.
3. PRIVATELY OWNED LIGHTING UNIT.



SHEET 7 OF 14

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	LIGHTING REMOVAL PLANS	SHEET 58	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\023601_LR.DWG
LAYOUT NAME - CTH B South (6)

PLOT DATE : 7/6/2023 11:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND:

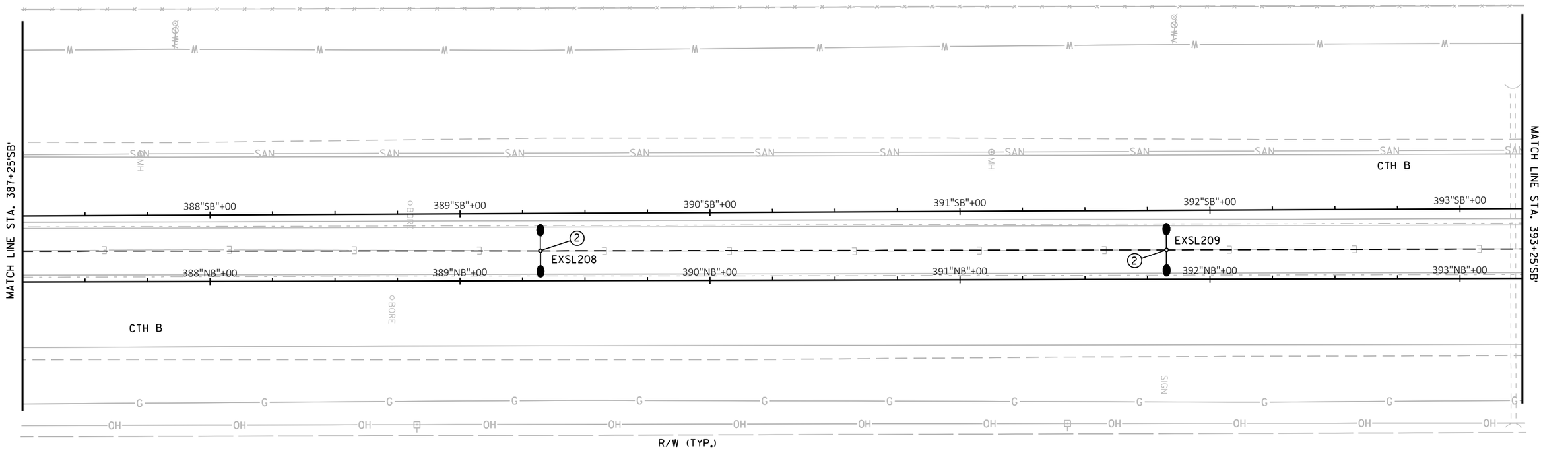
- EXISTING SINGLE ARM LIGHTING UNIT
- EXISTING TWIN ARM LIGHTING UNIT
- EXISTING CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- EXISTING PULL BOX NON-CONDUCTIVE (24"X42")
- — — — REMOVE EXISTING LIGHTING CONDUCTORS AND ABANDON LIGHTING CONDUIT

NOTE: BOLD INDICATES ITEMS TO BE REMOVED

KEYED CONSTRUCTION NOTES:

1. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY WISDOT.
2. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY THE MUNICIPALITY.
3. PRIVATELY OWNED LIGHTING UNIT.

N



SHEET 8 OF 14

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	LIGHTING REMOVAL PLANS	SHEET 59	E

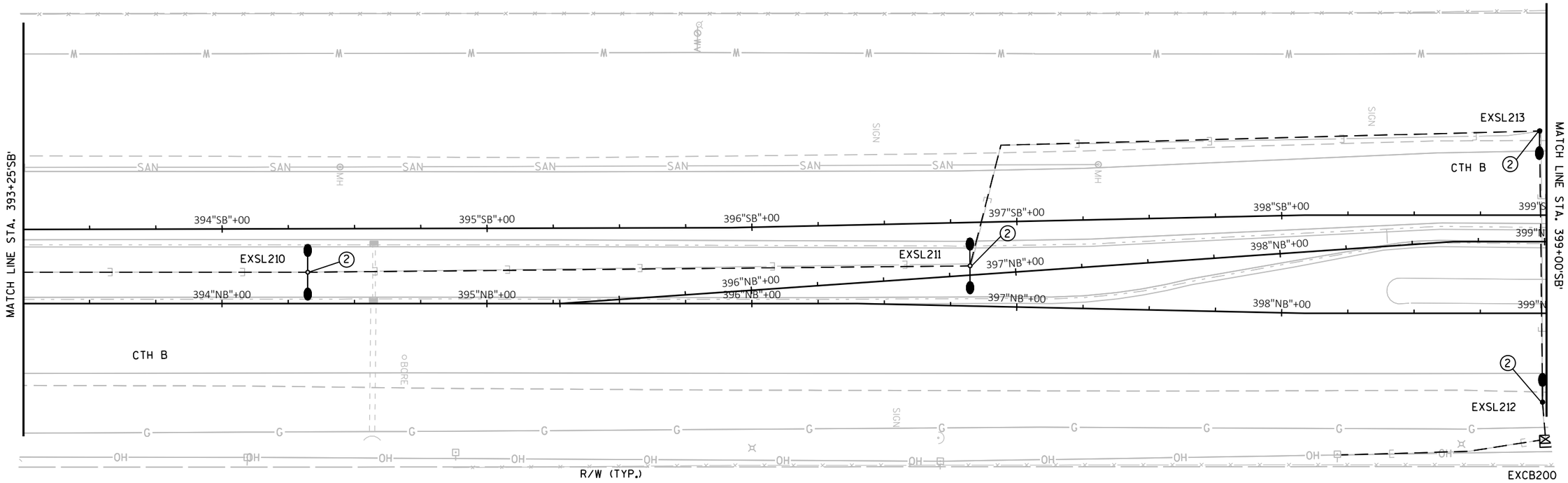
FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\023601_LR.DWG
LAYOUT NAME - CTH B South (7)

PLOT DATE : 7/6/2023 11:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N



LEGEND:

- EXISTING SINGLE ARM LIGHTING UNIT
- EXISTING TWIN ARM LIGHTING UNIT
- EXISTING CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- EXISTING PULL BOX NON-CONDUCTIVE (24"X42")
- REMOVE EXISTING LIGHTING CONDUCTORS AND ABANDON LIGHTING CONDUIT

NOTE: BOLD INDICATES ITEMS TO BE REMOVED

KEYED CONSTRUCTION NOTES:

1. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY WISDOT.
2. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY THE MUNICIPALITY.
3. PRIVATELY OWNED LIGHTING UNIT.

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	LIGHTING REMOVAL PLANS	SHEET 60	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\023601_LR.DWG
LAYOUT NAME - CTH B South (8)
PLOT DATE : 7/6/2023 11:46 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

3M DR

15+00

16+00

MATCH LINE STA. 399+00'SB'

MATCH LINE STA. 404+00'SB'

CTH B

400"SB"+00

401"SB"+00

402"SB"+00

403"SB"+00

404"SB"+00

400"NB"+00

401"NB"+00

402"NB"+00

403"NB"+00

EXSL301

EXPB300

EXSL302

EXSL300

1SW CR+00

1NW SR+00

R/W (TYP.)

11+00

610TH AVE

KEYED CONSTRUCTION NOTES:

1. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY WISDOT.
2. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY THE MUNICIPALITY.
3. PRIVATELY OWNED LIGHTING UNIT.

LEGEND:

- EXISTING SINGLE ARM LIGHTING UNIT
- EXISTING TWIN ARM LIGHTING UNIT
- EXISTING CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- EXISTING PULL BOX NON-CONDUCTIVE (24"X42")
- REMOVE EXISTING LIGHTING CONDUCTORS AND ABANDON LIGHTING CONDUIT

NOTE: BOLD INDICATES ITEMS TO BE REMOVED

SHEET 10 OF 14

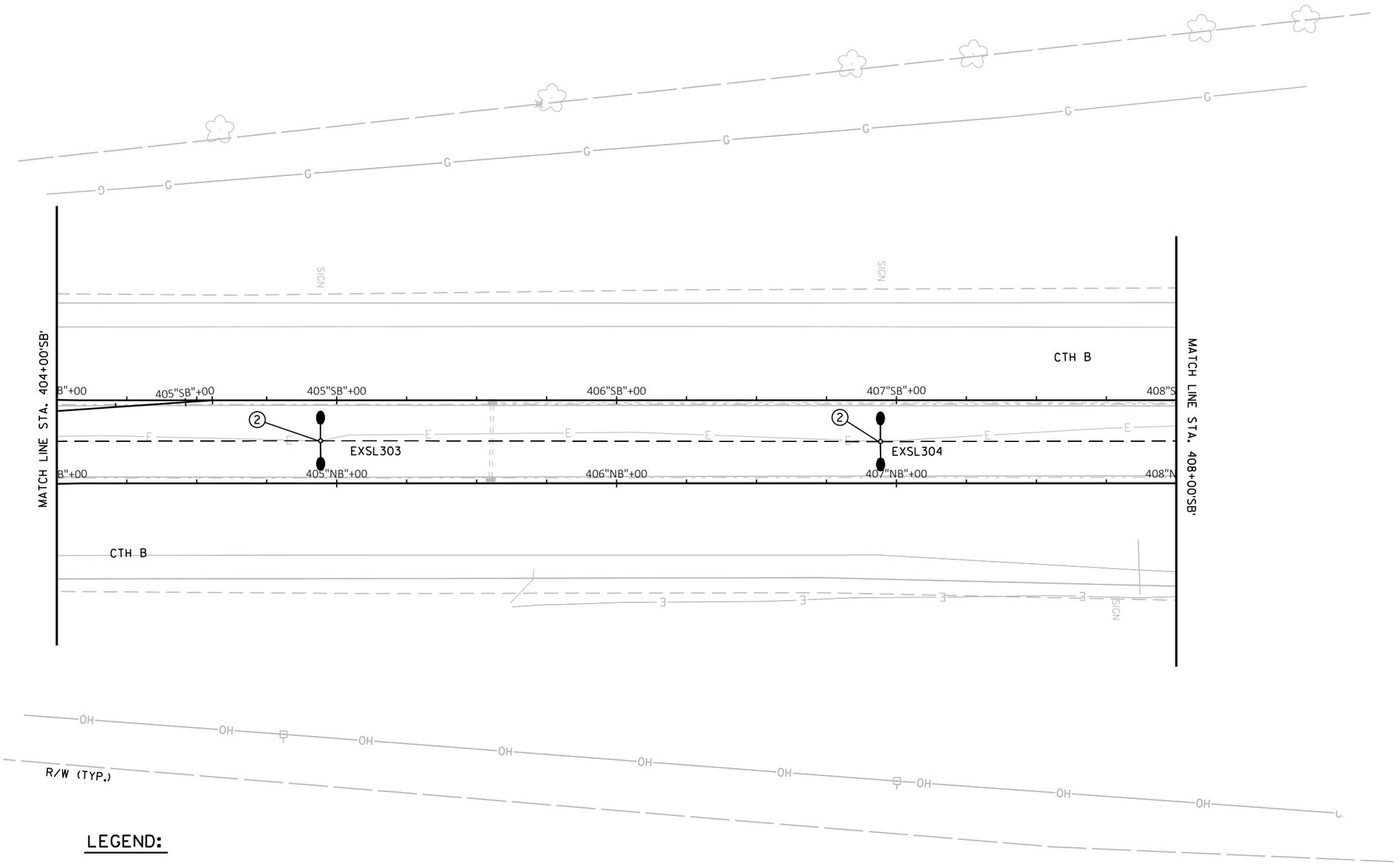
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	LIGHTING REMOVAL PLANS	SHEET 61	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\023601_LR.DWG
LAYOUT NAME - CTH B South (9)

PLOT DATE : 7/6/2023 11:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N



LEGEND:

- EXISTING SINGLE ARM LIGHTING UNIT
- EXISTING TWIN ARM LIGHTING UNIT
- EXISTING CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- EXISTING PULL BOX NON-CONDUCTIVE (24"X42")
- REMOVE EXISTING LIGHTING CONDUCTORS AND ABANDON LIGHTING CONDUIT

NOTE: BOLD INDICATES ITEMS TO BE REMOVED

KEYED CONSTRUCTION NOTES:

1. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY WISDOT.
2. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY THE MUNICIPALITY.
3. PRIVATELY OWNED LIGHTING UNIT.

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	LIGHTING REMOVAL PLANS	SHEET 62	E

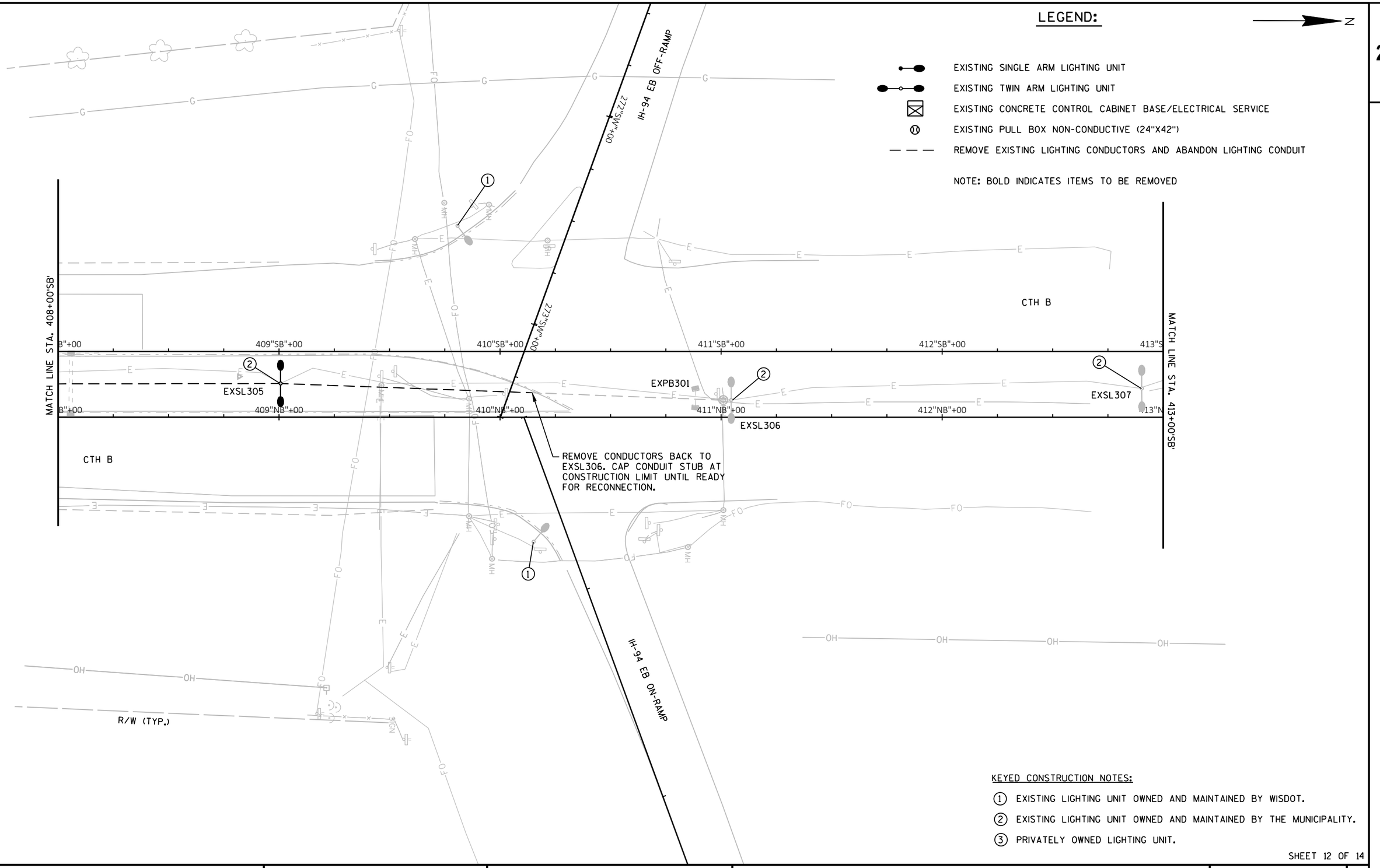
FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\023601_LR.DWG
LAYOUT NAME - CTH B South (10)
PLOT DATE : 7/6/2023 11:46 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND:

N

- EXISTING SINGLE ARM LIGHTING UNIT
- EXISTING TWIN ARM LIGHTING UNIT
- EXISTING CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- EXISTING PULL BOX NON-CONDUCTIVE (24"X42")
- REMOVE EXISTING LIGHTING CONDUCTORS AND ABANDON LIGHTING CONDUIT

NOTE: BOLD INDICATES ITEMS TO BE REMOVED



KEYED CONSTRUCTION NOTES:

1. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY WISDOT.
2. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY THE MUNICIPALITY.
3. PRIVATELY OWNED LIGHTING UNIT.

SHEET 12 OF 14

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	LIGHTING REMOVAL PLANS	SHEET 63	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\023601_LR.DWG
LAYOUT NAME - CTH B South (11)
PLOT DATE : 7/6/2023 11:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND:

EXISTING SINGLE ARM LIGHTING UNIT

EXISTING TWIN ARM LIGHTING UNIT

EXISTING CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE

EXISTING PULL BOX NON-CONDUCTIVE (24"X42")

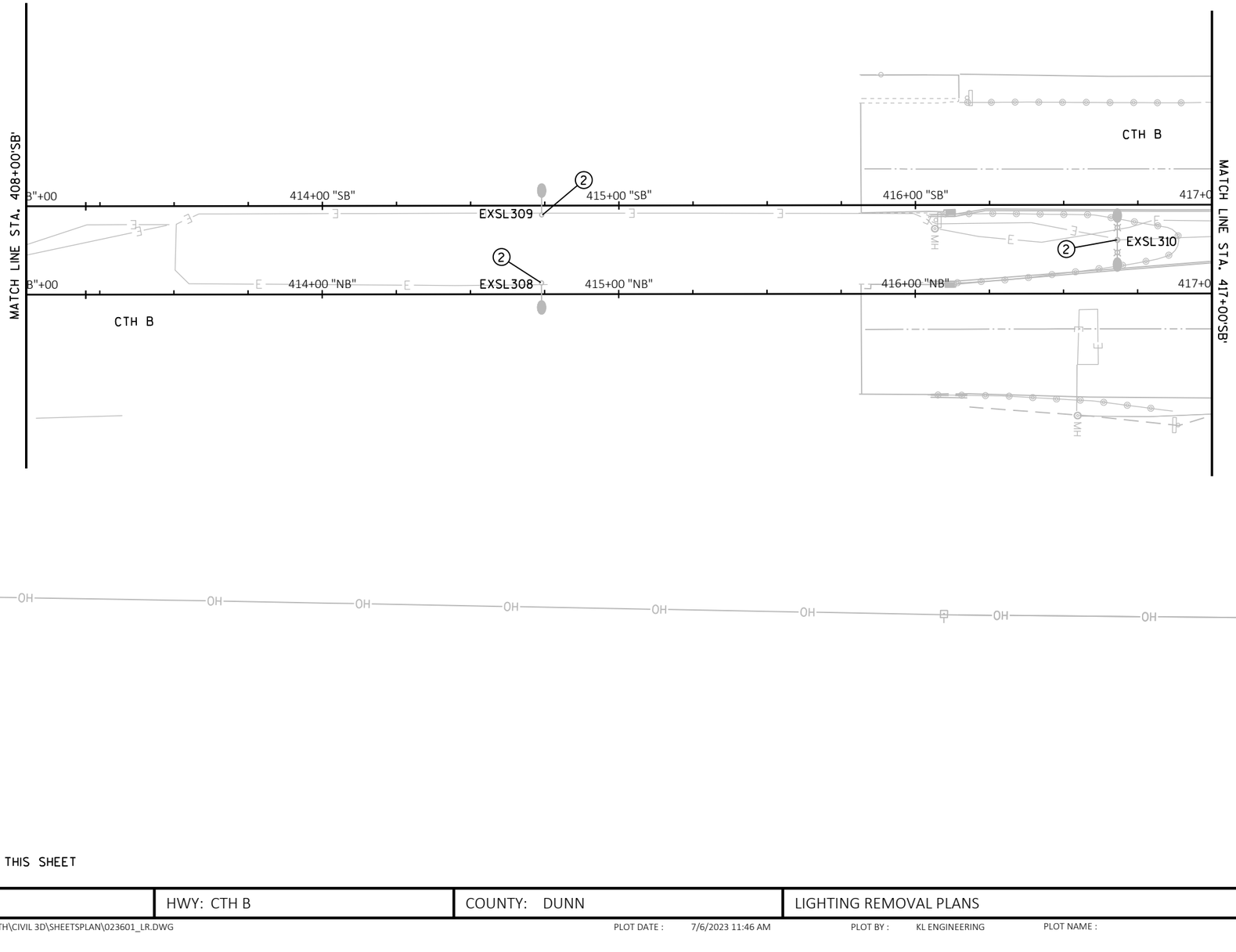
REMOVE EXISTING LIGHTING CONDUCTORS AND ABANDON LIGHTING CONDUIT

NOTE: BOLD INDICATES ITEMS TO BE REMOVED

KEYED CONSTRUCTION NOTES:

1. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY WISDOT.
2. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY THE MUNICIPALITY.
3. PRIVATELY OWNED LIGHTING UNIT.

N



CONSTRUCTION NOTES:

1) NO LIGHTING REMOVALS ON THIS SHEET

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	LIGHTING REMOVAL PLANS	SHEET 64	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\023601_LR.DWG
LAYOUT NAME - CTH B South (12)
PLOT DATE : 7/6/2023 11:46 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

CONSTRUCTION NOTES:

1) NO LIGHTING REMOVALS ON THIS SHEET

LEGEND:

N

- EXISTING SINGLE ARM LIGHTING UNIT
- EXISTING TWIN ARM LIGHTING UNIT
- EXISTING CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- EXISTING PULL BOX NON-CONDUCTIVE (24"X42")
- REMOVE EXISTING LIGHTING CONDUCTORS AND ABANDON LIGHTING CONDUIT

NOTE: BOLD INDICATES ITEMS TO BE REMOVED

IH-94 WB ON-RAMP

WORK COMPLETED UNDER
PROJECT I.D. 1009-50-70

MATCH LINE STA. 417+00 'SB'

417+00 "SB" 418+00 "SB" 419+00 "SB" 420+00 "SB" 421+00 "SB" 422+00 "SB" 423+0

417+00 "NB" 418+00 "NB" 419+00 "NB" 420+00 "NB" 421+00 "NB" 422+00 "NB" 423+0

CTH B

EXSL311

CTH B

WORK COMPLETED UNDER
PROJECT I.D. 7996-00-43

IH-94 WB OFF-RAMP

1+00 "614" 2+00 "614"

R/W (TYP.)

KEYED CONSTRUCTION NOTES:

1. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY WISDOT.
2. EXISTING LIGHTING UNIT OWNED AND MAINTAINED BY THE MUNICIPALITY.
3. PRIVATELY OWNED LIGHTING UNIT.

SHEET 14 OF 14

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	LIGHTING REMOVAL PLANS	SHEET 65	E

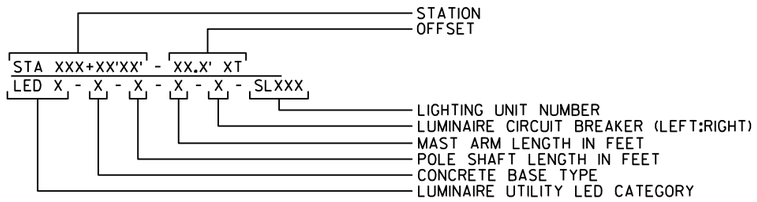
FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\023601_LR.DWG
LAYOUT NAME - CTH B South (13)

PLOT DATE : 7/6/2023 11:47 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

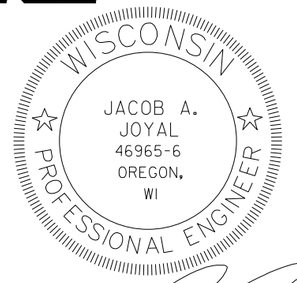
LIGHTING PLAN LEGEND:

- SINGLE ARM LIGHTING UNIT
- TWIN ARM LIGHTING UNIT
- CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- PULL BOX NON-CONDUCTIVE (24"X42")
- LIGHTING CONDUIT



ORIGINAL PLANS PREPARED BY

KL Engineering



07/17/2023
(Date)

(Signature)

2

GENERAL STREET LIGHTING NOTES:

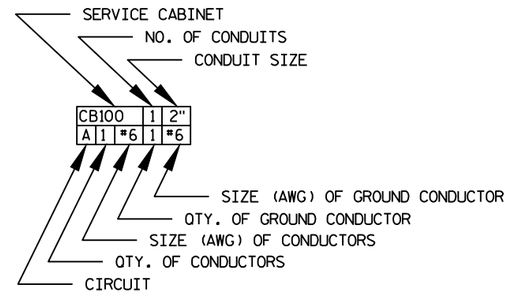
1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.

2) PITCH ALL CONDUITS TOWARD PULLBOXES. INSTALL A 2" DRAIN DUCT TO DITCH OR STORM SEWER AS REQUIRED FOR DRAINAGE. THIS 2" DRAIN DUCT IS INCIDENTAL TO THE PULL BOX BID ITEM. DRAIN DUCT IS NOT SHOWN. DO NOT SPLICE IN PULLBOXES.

3) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

4) REFER TO STAKING DATA FOR EXACT OFFSET LOCATIONS, WITH ALL LOCATION APPROVED BY THE ENGINEER PRIOR TO INSTALL.

CONDUIT/CONDUCTOR LEGEND



PWO = PULL WIRE ONLY

NEU = NEUTRAL

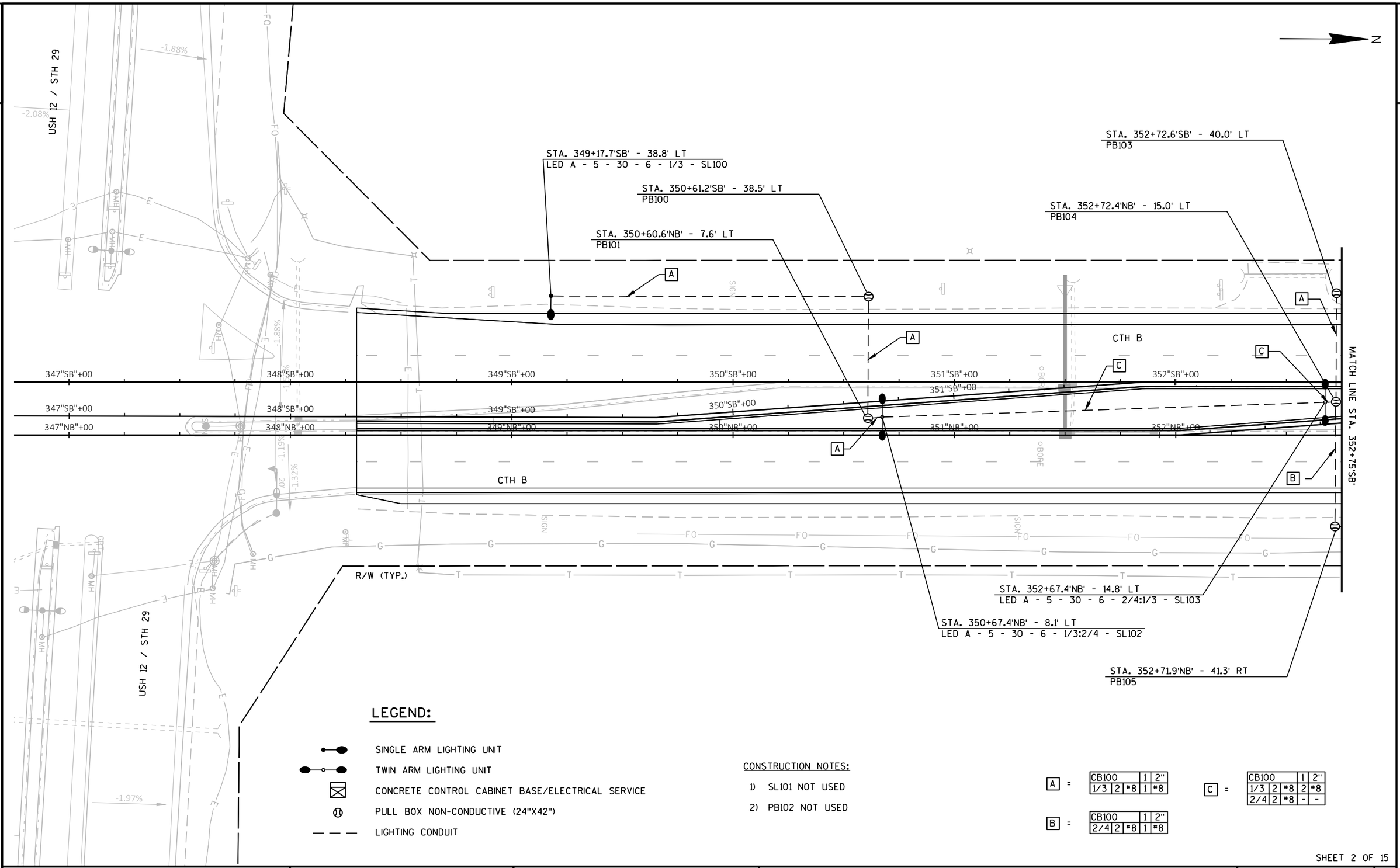
CONDUCTOR COLOR LEGEND

CB100

LIGHTING CONDUCTORS
1/3 - BLACK
2/4 - RED
240V PHASE TO PHASE

CB200

LIGHTING CONDUCTORS
1/3 - BLACK
2/4 - RED
5/7 - BLACK
6/8 - RED
240V PHASE TO PHASE



LEGEND:

- SINGLE ARM LIGHTING UNIT
- TWIN ARM LIGHTING UNIT
- CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- PULL BOX NON-CONDUCTIVE (24"X42")
- LIGHTING CONDUIT

CONSTRUCTION NOTES:

1) SL101 NOT USED
2) PB102 NOT USED

A =

CB100	1	2"
1/3	2	#8	1	#8

B =

CB100	1	2"
2/4	2	#8	1	#8

C =

CB100	1	2"
1/3	2	#8	2	#8
2/4	2	#8	-	-

SHEET 2 OF 15

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	LIGHTING PLANS	SHEET 67	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\023601_LP.DWG
LAYOUT NAME - CTH B South
PLOT DATE : 7/17/2023 2:37 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND:

A =	CB100	1	2"
1/3	2	#8	1	#8

B =	CB100	1	2"
2/4	2	#8	1	#8

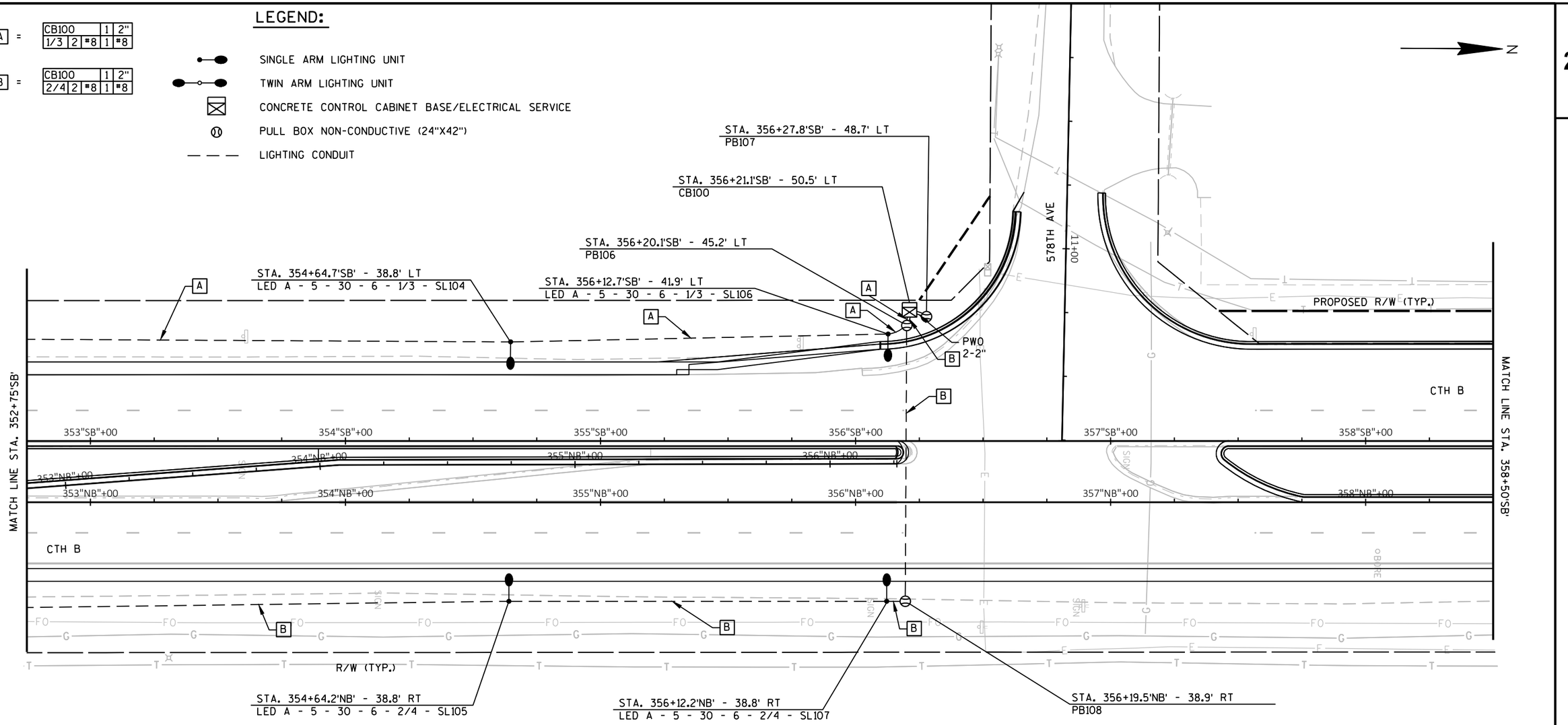
SINGLE ARM LIGHTING UNIT

TWIN ARM LIGHTING UNIT

CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE

PULL BOX NON-CONDUCTIVE (24"X42")

LIGHTING CONDUIT



2

SHEET 3 OF 15

PROJECT NO: 7996-00-73	HWY: CTH B	COUNTY: DUNN	LIGHTING PLANS	SHEET 68	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\023601_LP.DWG
LAYOUT NAME - CTH B South (1)

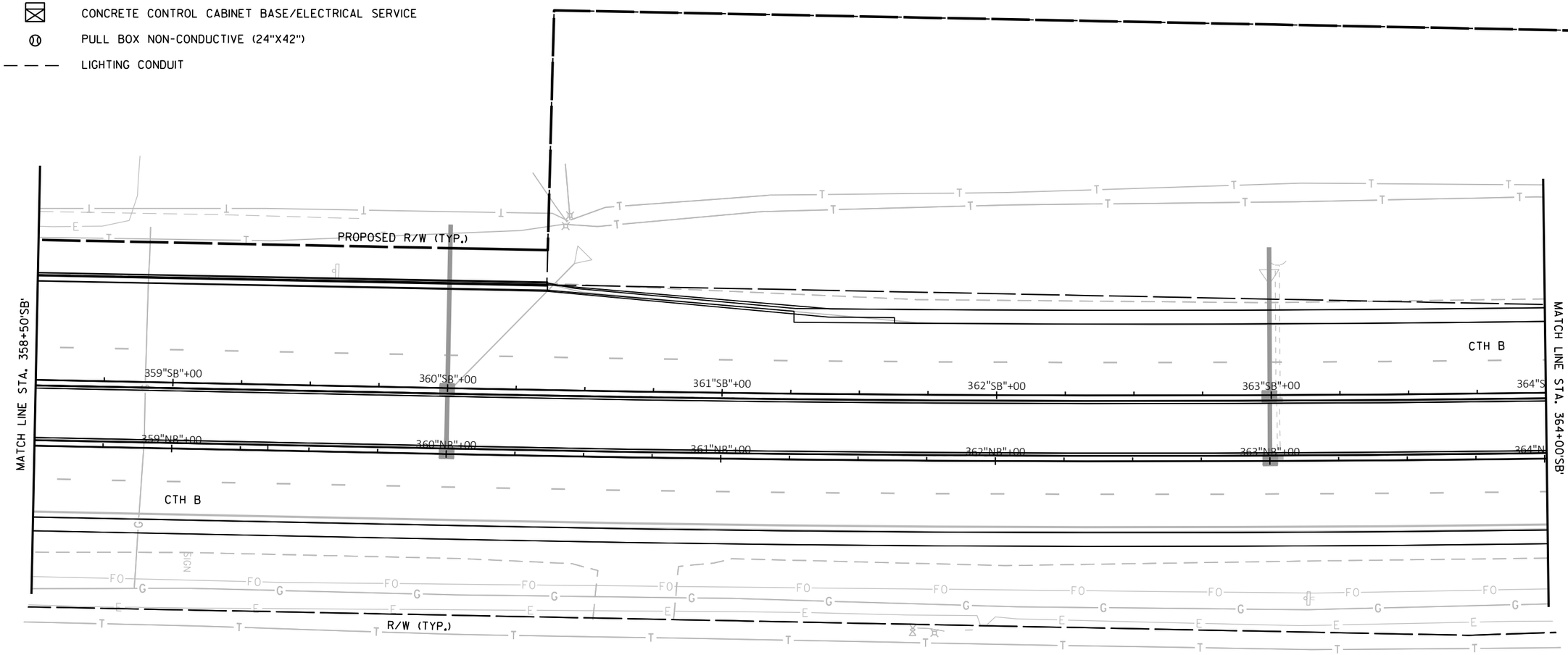
PLOT DATE : 7/17/2023 2:37 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND:

- SINGLE ARM LIGHTING UNIT
- TWIN ARM LIGHTING UNIT
- CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- PULL BOX NON-CONDUCTIVE (24"X42")
- LIGHTING CONDUIT

N



CONSTRUCTION NOTES:

1) LIGHTING IS NOT INCLUDED ON THIS SHEET DUE TO FAA RESTRICTIONS

SHEET 4 OF 15

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	LIGHTING PLANS	SHEET 69	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\023601_LP.DWG
LAYOUT NAME - CTH B South (2)

PLOT DATE : 7/17/2023 2:37 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

PROPOSED R/W (TYP.)

MATCH LINE STA. 364+00'SB'

MATCH LINE STA. 369+25'SB'

CTH B

365"SB"+00
366"SB"+00
367"SB"+00
368"SB"+00
369"SB"+00
365"NB"+00
366"NB"+00
367"NB"+00
368"NB"+00
369"NB"+00

CTH B

SIGN

SIGN

R/W (TYP.)

LEGEND:

- SINGLE ARM LIGHTING UNIT
- TWIN ARM LIGHTING UNIT
- CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- PULL BOX NON-CONDUCTIVE (24"X42")
- LIGHTING CONDUIT

CONSTRUCTION NOTES:

1) LIGHTING IS NOT INCLUDED ON THIS SHEET DUE TO FAA RESTRICTIONS

SHEET 5 OF 15

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	LIGHTING PLANS	SHEET 70	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\023601_LP.DWG
LAYOUT NAME - CTH B South (3)

PLOT DATE : 7/17/2023 2:37 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

PROPOSED R/W (TYP.)

WALTON AVE

11+00

STA. 373+05.8'SB' - 40.5' LT
PB200

STA. 373+04.7'NB' - 11.0' LT
PB201

STA. 372+88.2'NB' - 11.5' LT
LED A - 5 - 30 - 6 - 2/4:1/3 - SL201

STA. 375+20.4'SB' - 38.8' LT
LED A - 5 - 30 - 6 - 1/3 - SL202

D

CTH B

MATCH LINE STA. 369+25'SB'

MATCH LINE STA. 375+25'SB'

370"SB"+00

371"SB"+00

372"SB"+00

373"SB"+00

374"SB"+00

375"SB"+00

370"NB"+00

371"NB"+00

372"NB"+00

373"NB"+00

374"NB"+00

375"NB"+00

F

CB200		1	2"
1/3	2	#6	2	#6
2/4	2	#6	-	-

E

CTH B

R/W (TYP.)

STA. 373+02.9'NB' - 39.9' RT
PB202

STA. 370+86.5'NB' - 16.4' LT
LED A - 5 - 30 - 6 - 1/3:2/4 - SL200

STA. 375+19.0'NB' - 40.2' RT
LED A - 5 - 30 - 6 - 2/4 - SL203

D =

CB200		1	2"
1/3	2	#6	1	#6

F =

CB200		1	2"
1/3	2	#6	1	#6
2/4	2	#6	-	-

E =

CB200		1	2"
2/4	2	#6	1	#6

LEGEND:

- SINGLE ARM LIGHTING UNIT
- TWIN ARM LIGHTING UNIT
- CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- PULL BOX NON-CONDUCTIVE (24"X42")
- LIGHTING CONDUIT

SHEET 6 OF 15

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	LIGHTING PLANS	SHEET 71	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\023601_LP.DWG
LAYOUT NAME - CTH B South (4)

PLOT DATE : 7/17/2023 2:37 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

PRIVATE DRIVEWAY

12+00

13+00

STA. 377+19.5'SB' - 53.0' LT
PB203

STA. 377+08.2'SB' - 42.8' LT
LED A - 5 - 30 - 6 - 1/3 - SL204

PROPOSED R/W (TYP.)

TLE (TYP.)

STA. 378+78.6'SB' - 51.1' LT
PB204

STA. 378+78.0'NB' - 11.8' LT
PB205

MATCH LINE STA. 375+25'SB'

MATCH LINE STA. 381+25'SB'

CTH B

CB200		1	2"
1/3	4 #6	3	#6
2/4	4 #6	-	-

376"SB"+00 377"SB"+00 378"SB"+00 379"SB"+00 380"SB"+00 381"SB"+00

376+00 377+00

376"NB"+00 377"NB"+00 378"NB"+00 379"NB"+00 380"NB"+00 381"NB"+00

CTH B

R/W (TYP.)

STA. 377+07.9'NB' - 40.3' RT
LED A - 5 - 30 - 6 - 2/4 - SL205

STA. 378+52.4'NB' - 13.4' LT
LED A - 5 - 30 - 6 - 2/4:1/3 - SL206

STA. 378+78.0'NB' - 39.6' RT
PB206

STA. 380+14.0'NB' - 12.4' LT
LED A - 5 - 30 - 6 - 1/3:2/4 - SL207

D =

CB200		1	2"
1/3	1 #6	1	#6

E =

CB200		1	2"
2/4	2 #6	1	#6

F =

CB200		1	2"
1/3	2 #6	1	#6
2/4	2 #6	-	-

LEGEND:

- SINGLE ARM LIGHTING UNIT
- TWIN ARM LIGHTING UNIT
- CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- PULL BOX NON-CONDUCTIVE (24"X42")
- LIGHTING CONDUIT

SHEET 7 OF 15

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	LIGHTING PLANS	SHEET 72	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\023601_LP.DWG
LAYOUT NAME - CTH B South (5)

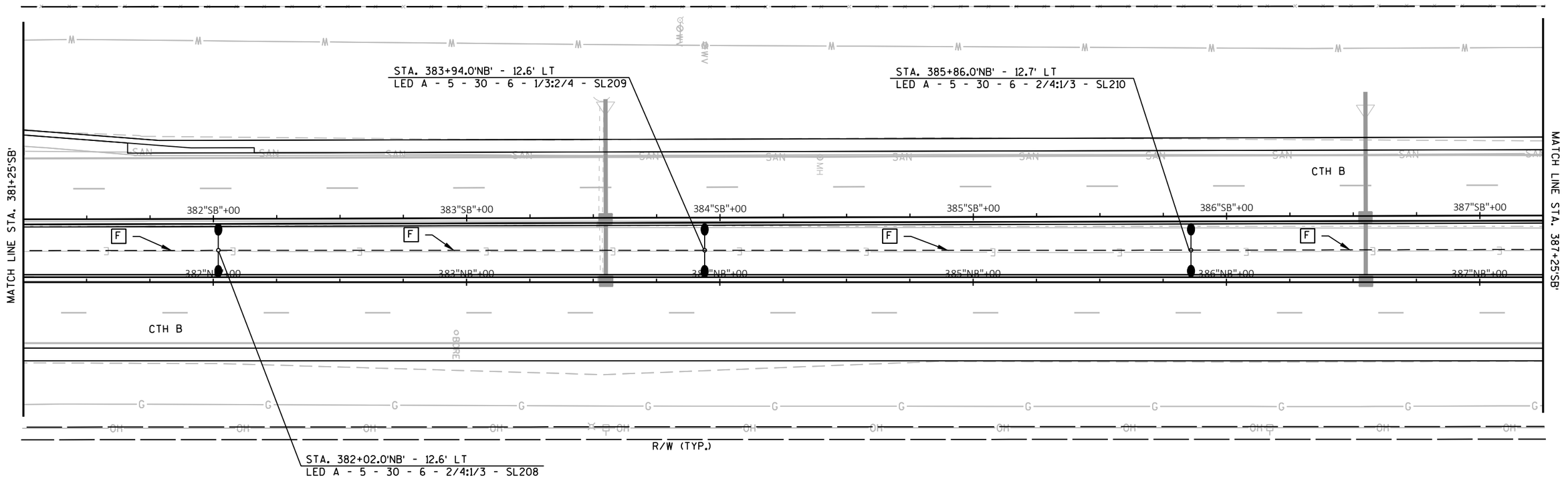
PLOT DATE : 7/17/2023 2:37 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND:

- SINGLE ARM LIGHTING UNIT
- TWIN ARM LIGHTING UNIT
- CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- PULL BOX NON-CONDUCTIVE (24"X42")
- LIGHTING CONDUIT

N



F =

CB200		1	2"
1/3	2	#6	1	#6
2/4	2	#6	-	-

SHEET 8 OF 15

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	LIGHTING PLANS	SHEET 73	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\023601_LP.DWG
LAYOUT NAME - CTH B South (6)

PLOT DATE : 7/17/2023 2:37 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

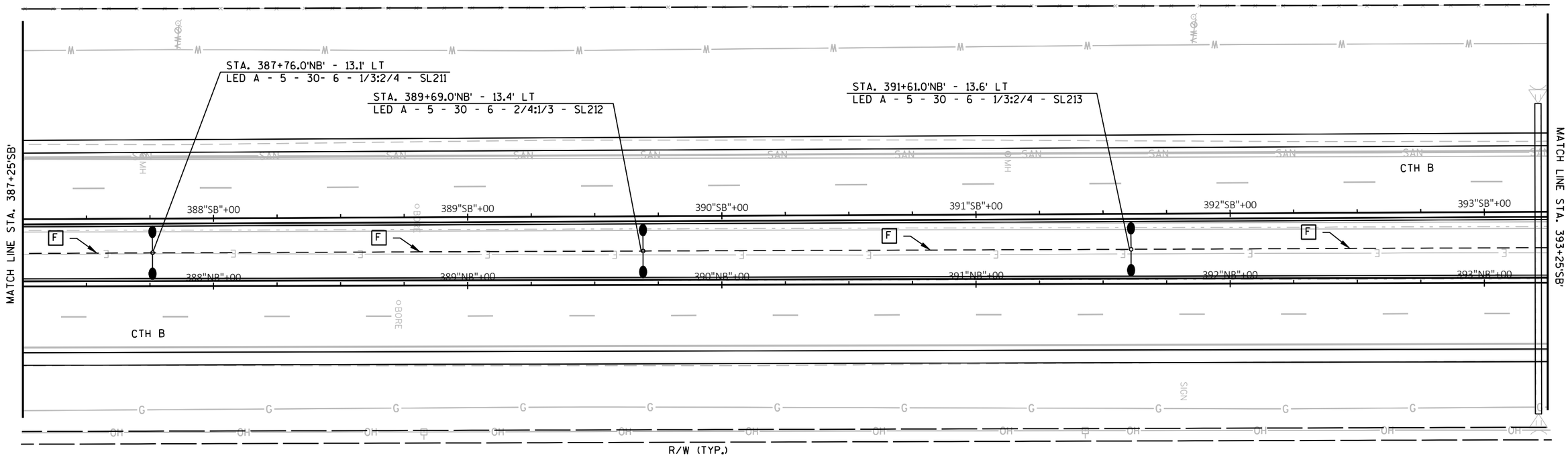
WISDOT/CADDS SHEET 42

2

LEGEND:

- SINGLE ARM LIGHTING UNIT
- TWIN ARM LIGHTING UNIT
- CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- PULL BOX NON-CONDUCTIVE (24"X42")
- LIGHTING CONDUIT

N



F =

CB200		1	2"
1/3	2	#6	1	#6
2/4	2	#6	-	-

SHEET 9 OF 15

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	LIGHTING PLANS	SHEET 74	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\023601_LP.DWG
LAYOUT NAME - CTH B South (7)

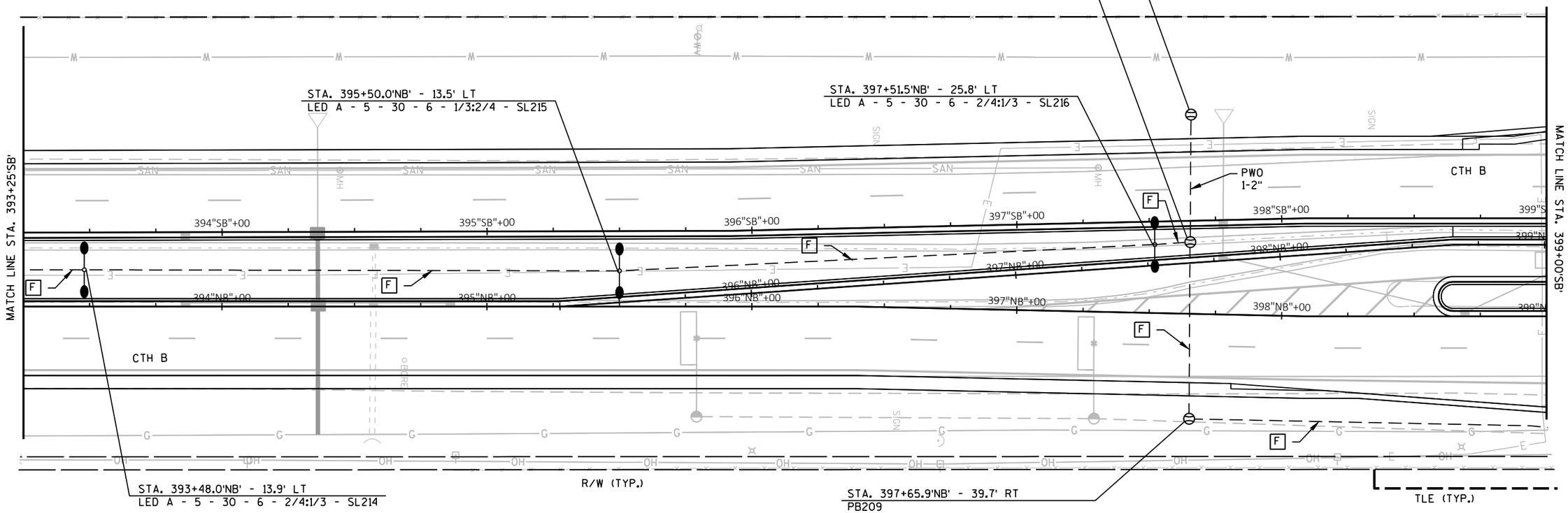
PLOT DATE : 7/17/2023 2:37 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND:

- SINGLE ARM LIGHTING UNIT
- TWIN ARM LIGHTING UNIT
- CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- PULL BOX NON-CONDUCTIVE (24"X42")
- LIGHTING CONDUIT

N



F =	CB200		1	2"
	1/3	2	#6	1	#6
	2/4	2	#6	-	-

2

2

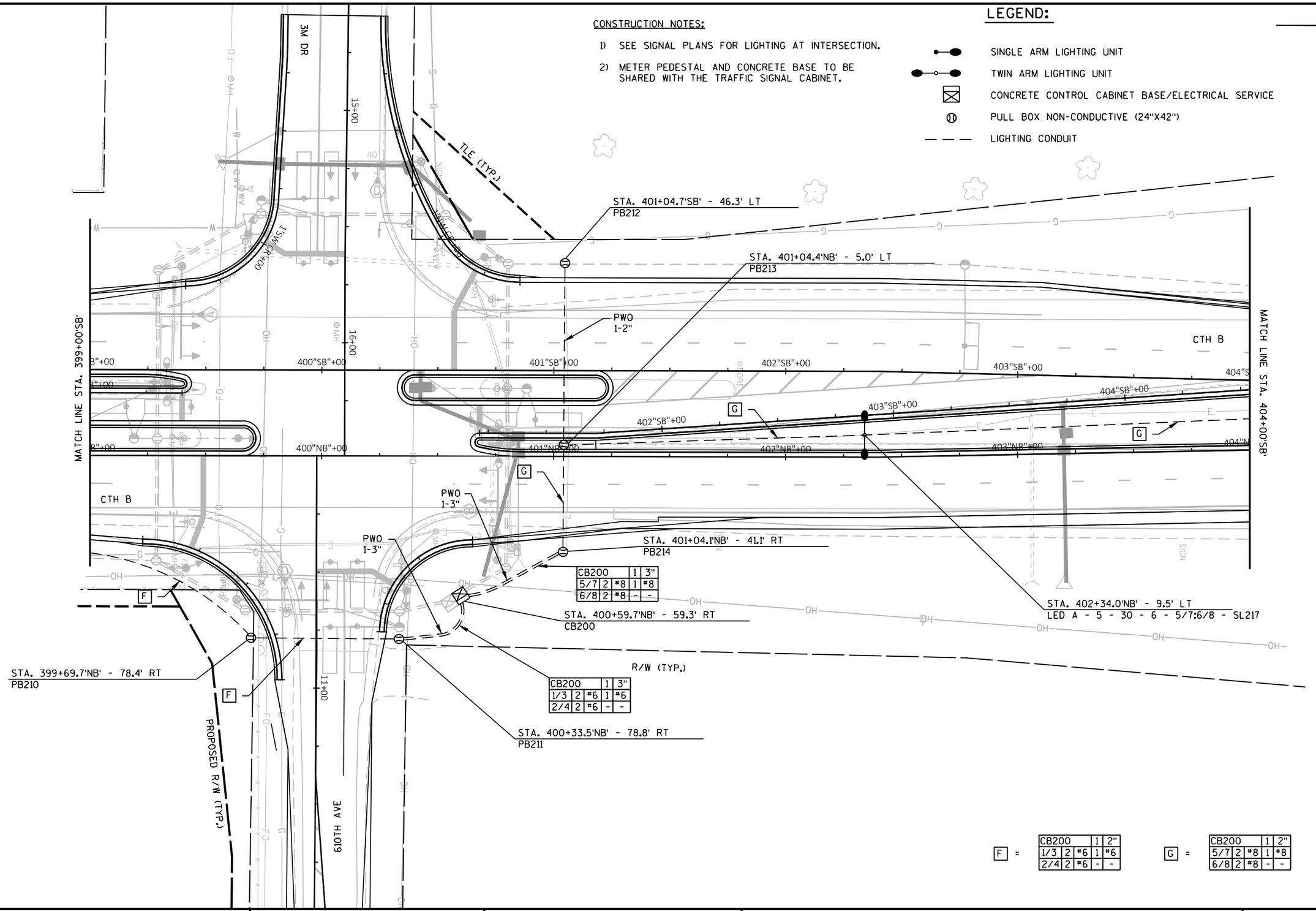
LEGEND:

N

- SINGLE ARM LIGHTING UNIT
- TWIN ARM LIGHTING UNIT
- CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- PULL BOX NON-CONDUCTIVE (24"X42")
- LIGHTING CONDUIT

CONSTRUCTION NOTES:

1) SEE SIGNAL PLANS FOR LIGHTING AT INTERSECTION.
2) METER PEDESTAL AND CONCRETE BASE TO BE SHARED WITH THE TRAFFIC SIGNAL CABINET.



F = CB200 | 1 | 2" ; 1/3 | 2 | #6 | 1 | #6 ; 2/4 | 2 | #6 | - | -

G = CB200 | 1 | 2" ; 5/7 | 2 | #8 | 1 | #8 ; 6/8 | 2 | #8 | - | -

SHEET 11 OF 15

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	LIGHTING PLANS	SHEET 76	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\023601_LP.DWG
LAYOUT NAME - CTH B South (9)

PLOT DATE : 7/17/2023 2:37 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

STA. 406+36.1'NB' - 14.7' LT
LED A - 5 - 30 - 6 - 5/7:6/8 - SL219

STA. 404+33.1'NB' - 14.8' LT
LED A - 5 - 30 - 6 - 6/8:5/7 - SL218

MATCH LINE STA. 404+00'SB'

MATCH LINE STA. 408+00'SB'

CTH B

CTH B

405"SB"+00

406"SB"+00

407"SB"+00

405"NB"+00

406"NB"+00

407"NB"+00

SIGN

G

E

OH

R/W (TYP.)

LEGEND:

- SINGLE ARM LIGHTING UNIT
- TWIN ARM LIGHTING UNIT
- CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- PULL BOX NON-CONDUCTIVE (24"X42")
- LIGHTING CONDUIT

G =

CB200	1	2"
5/7	2	#8	1	#8
6/8	2	#8	-	-

SHEET 12 OF 15

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	LIGHTING PLANS	SHEET 77	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\023601_LP.DWG
LAYOUT NAME - CTH B South (10)
PLOT DATE : 7/17/2023 2:37 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND:

- SINGLE ARM LIGHTING UNIT
- TWIN ARM LIGHTING UNIT
- CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- PULL BOX NON-CONDUCTIVE (24"X42")
- LIGHTING CONDUIT

N

IH-94 EB OFF-RAMP

273'SW'+00

CB200			EXISTING	
5/7	2	#8	1	#8
6/8	2	#8	-	-

MATCH LINE STA. 408+00'SB'

MATCH LINE STA. 413+00'SB'

CTH B

408"SB"+00 409"SB"+00 410"SB"+00 411"SB"+00 412"SB"+00 413"S

408"NB"+00 409"NB"+00 410"NB"+00 411"NB"+00 412"NB"+00 413"N

RECONNECT TO EXISTING CONDUIT STUB TO RE-ESTABLISH SERVICE TO EXISTING LIGHTING.

STA. 408+28.1'NB' - 14.9' LT
LED A - 5 - 30 - 6 - 6/8:5/7 - SL220

R/W (TYP.)

IH-94 EB ON-RAMP

OH

G =	CB200			1	2"
	5/7	2	#8	1	#8
	6/8	2	#8	-	-

CONSTRUCTION NOTES:

1) SEE SIGNAL PLANS FOR LIGHTING AT INTERSECTION.

SHEET 13 OF 15

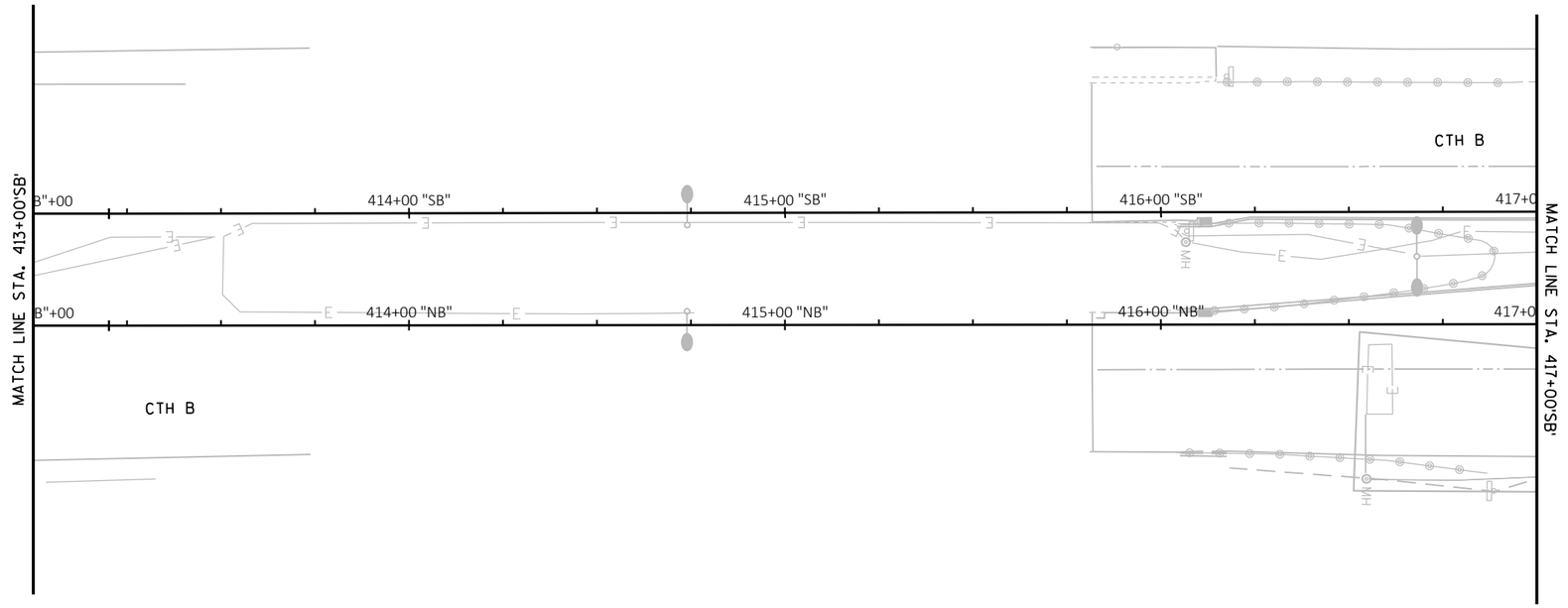
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	LIGHTING PLANS	SHEET 78	E

2

LEGEND:

- SINGLE ARM LIGHTING UNIT
- TWIN ARM LIGHTING UNIT
- CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE
- PULL BOX NON-CONDUCTIVE (24"X42")
- LIGHTING CONDUIT

N



CONSTRUCTION NOTES:

1) NO LIGHTING WORK ON THIS SHEET

CONSTRUCTION NOTES:

1) SEE SIGNAL PLANS FOR LIGHTING AT INTERSECTION.

LEGEND:

N

SINGLE ARM LIGHTING UNIT

TWIN ARM LIGHTING UNIT

CONCRETE CONTROL CABINET BASE/ELECTRICAL SERVICE

PULL BOX NON-CONDUCTIVE (24"X42")

LIGHTING CONDUIT

IH-94 WB ON-RAMP

WORK COMPLETED UNDER
PROJECT I.D. 1009-50-70

MATCH LINE STA. 417+00'SB'

MATCH LINE STA. 423+00'SB'

CTH B

CTH B

417+00 "SB"
418+00 "SB"
419+00 "SB"
420+00 "SB"
421+00 "SB"
422+00 "SB"
423+00 "SB"

417+00 "NB"
418+00 "NB"
419+00 "NB"
420+00 "NB"
421+00 "NB"
422+00 "NB"
423+00 "NB"

WORK COMPLETED UNDER
PROJECT I.D. 7996-00-43

1+00 "614"
2+00 "614"

R/W (TYP.)

IH-94 WB OFF-RAMP

SHEET 15 OF 15

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	LIGHTING PLANS	SHEET 80	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\023601_LP.DWG
LAYOUT NAME - CTH B South (13)

PLOT DATE : 7/17/2023 2:37 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

LEGEND

- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- TEMPORARY NONMETALLIC CONDUIT 2', UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- (XX) TEMPORARY SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- PULL BOX STEEL, 24" X 36"
- PULL BOX STEEL, 12" X 24"
- TRAFFIC SIGNAL HEAD
- LANE DESIGNATION FOR INFO ONLY

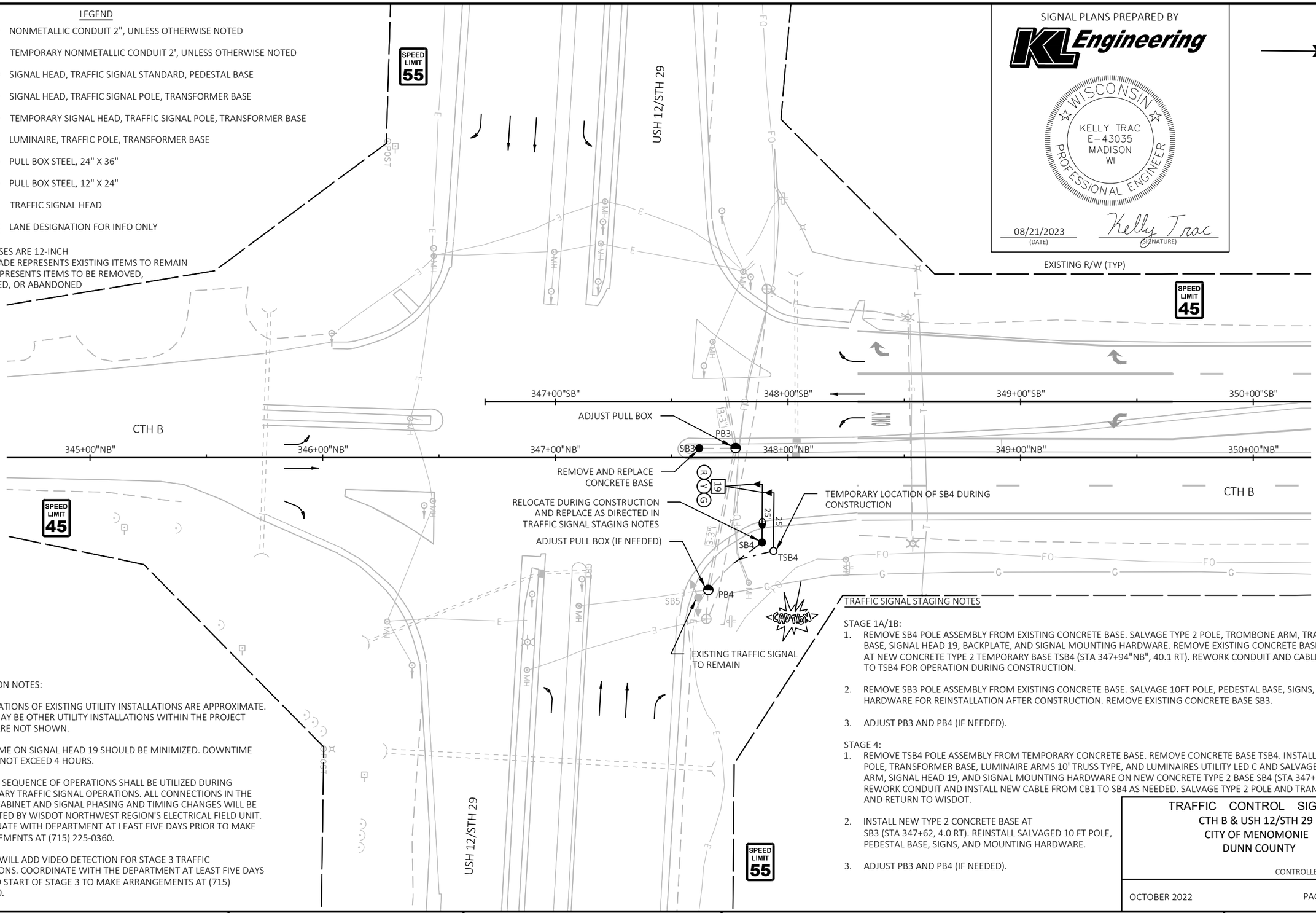
NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING ITEMS TO REMAIN
BOLD REPRESENTS ITEMS TO BE REMOVED, SALVAGED, OR ABANDONED

SIGNAL PLANS PREPARED BY
KL Engineering

WISCONSIN
KELLY TRAC
E-43035
MADISON
WI
PROFESSIONAL ENGINEER

08/21/2023 (DATE)
Kelly Trac (SIGNATURE)

N



CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. DOWNTIME ON SIGNAL HEAD 19 SHOULD BE MINIMIZED. DOWNTIME SHOULD NOT EXCEED 4 HOURS.
3. EXISTING SEQUENCE OF OPERATIONS SHALL BE UTILIZED DURING TEMPORARY TRAFFIC SIGNAL OPERATIONS. ALL CONNECTIONS IN THE SIGNAL CABINET AND SIGNAL PHASING AND TIMING CHANGES WILL BE COMPLETED BY WISDOT NORTHWEST REGION'S ELECTRICAL FIELD UNIT. COORDINATE WITH DEPARTMENT AT LEAST FIVE DAYS PRIOR TO MAKE ARRANGEMENTS AT (715) 225-0360.
4. WISDOT WILL ADD VIDEO DETECTION FOR STAGE 3 TRAFFIC OPERATIONS. COORDINATE WITH THE DEPARTMENT AT LEAST FIVE DAYS PRIOR TO START OF STAGE 3 TO MAKE ARRANGEMENTS AT (715) 225-0360.

TRAFFIC SIGNAL STAGING NOTES

STAGE 1A/1B:
1. REMOVE SB4 POLE ASSEMBLY FROM EXISTING CONCRETE BASE. SALVAGE TYPE 2 POLE, TROMBONE ARM, TRANSFORMER BASE, SIGNAL HEAD 19, BACKPLATE, AND SIGNAL MOUNTING HARDWARE. REMOVE EXISTING CONCRETE BASE SB4. REINSTALL AT NEW CONCRETE TYPE 2 TEMPORARY BASE TSB4 (STA 347+94"NB", 40.1 RT). REWORK CONDUIT AND CABLING FROM PB4 TO TSB4 FOR OPERATION DURING CONSTRUCTION.
2. REMOVE SB3 POLE ASSEMBLY FROM EXISTING CONCRETE BASE. SALVAGE 10FT POLE, PEDESTAL BASE, SIGNS, AND MOUNTING HARDWARE FOR REINSTALLATION AFTER CONSTRUCTION. REMOVE EXISTING CONCRETE BASE SB3.
3. ADJUST PB3 AND PB4 (IF NEEDED).

STAGE 4:
1. REMOVE TSB4 POLE ASSEMBLY FROM TEMPORARY CONCRETE BASE. REMOVE CONCRETE BASE TSB4. INSTALL NEW TYPE 3 POLE, TRANSFORMER BASE, LUMINAIRE ARMS 10' TRUSS TYPE, AND LUMINAIRES UTILITY LED C AND SALVAGED TROMBONE ARM, SIGNAL HEAD 19, AND SIGNAL MOUNTING HARDWARE ON NEW CONCRETE TYPE 2 BASE SB4 (STA 347+89"NB", 36.4 RT). REWORK CONDUIT AND INSTALL NEW CABLE FROM CB1 TO SB4 AS NEEDED. SALVAGE TYPE 2 POLE AND TRANSFORMER BASE AND RETURN TO WISDOT.
2. INSTALL NEW TYPE 2 CONCRETE BASE AT SB3 (STA 347+62, 4.0 RT). REINSTALL SALVAGED 10 FT POLE, PEDESTAL BASE, SIGNS, AND MOUNTING HARDWARE.
3. ADJUST PB3 AND PB4 (IF NEEDED).

TRAFFIC CONTROL SIGNAL
CTH B & USH 12/STH 29
CITY OF MENOMONIE
DUNN COUNTY

CONTROLLER TYPE: EXISTING

OCTOBER 2022 PAGE 1 OF 1

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TEMPORARY TRAFFIC SIGNAL PLAN	SHEET 81	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\024101-ST-12&29.DWG
LAYOUT NAME - SIGNAL PLAN 12&29
PLOT DATE : 8/20/2023 5:22 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE (MUNICIPAL OWNED)
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING ITEMS TO REMAIN.
- BOLD REPRESENTS ITEMS TO BE REMOVED, SALVAGED, OR ABANDONED.

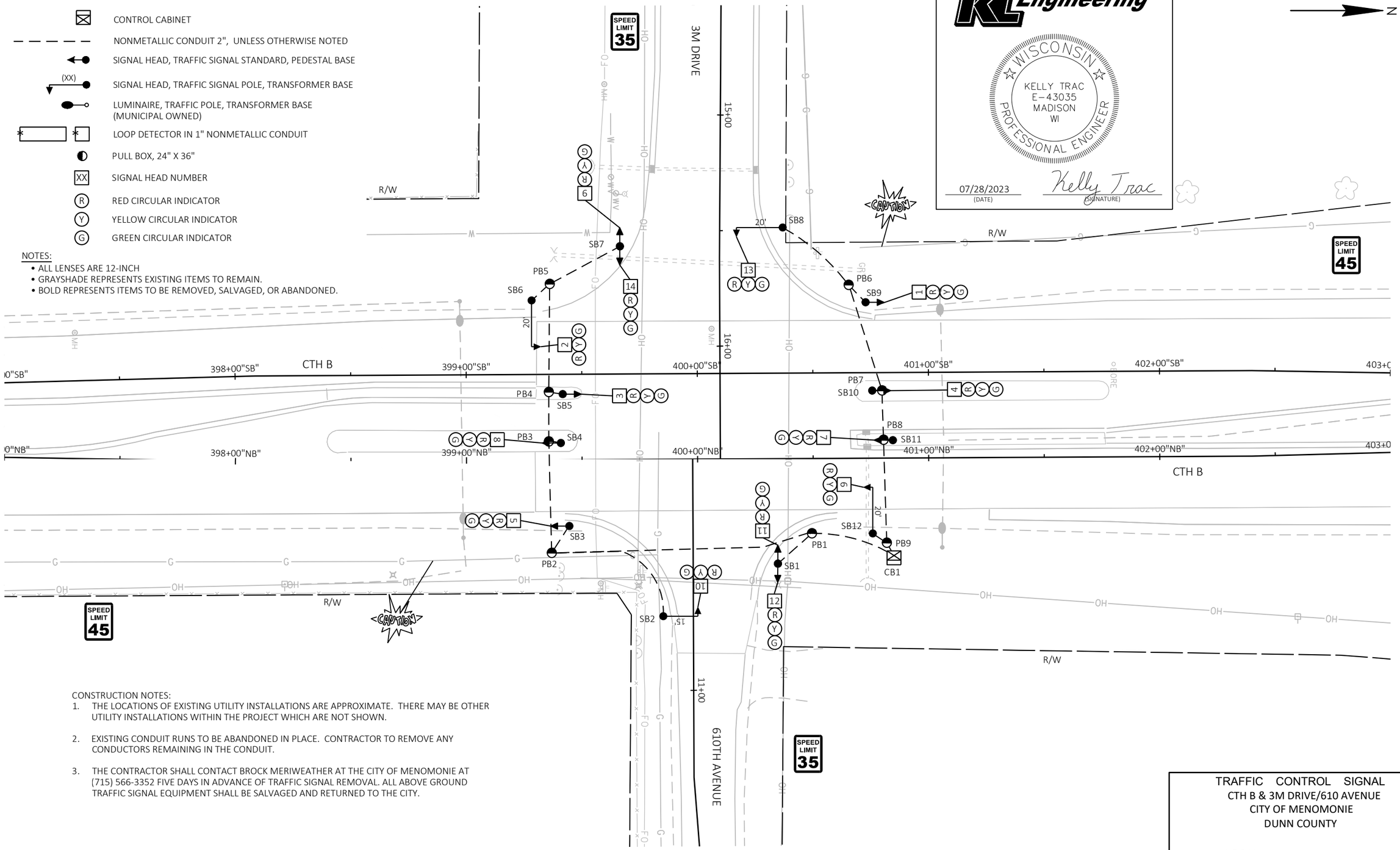
SIGNAL PLANS PREPARED BY

KL Engineering

WISCONSIN
KELLY TRAC
E-43035
MADISON
WI
PROFESSIONAL ENGINEER

07/28/2023 (DATE)

Kelly Trac (SIGNATURE)



CONSTRUCTION NOTES:
1. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
3. THE CONTRACTOR SHALL CONTACT BROCK MERIWEATHER AT THE CITY OF MENOMONIE AT (715) 566-3352 FIVE DAYS IN ADVANCE OF TRAFFIC SIGNAL REMOVAL. ALL ABOVE GROUND TRAFFIC SIGNAL EQUIPMENT SHALL BE SALVAGED AND RETURNED TO THE CITY.

TRAFFIC CONTROL SIGNAL
CTH B & 3M DRIVE/610 AVENUE
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO. LOCAL

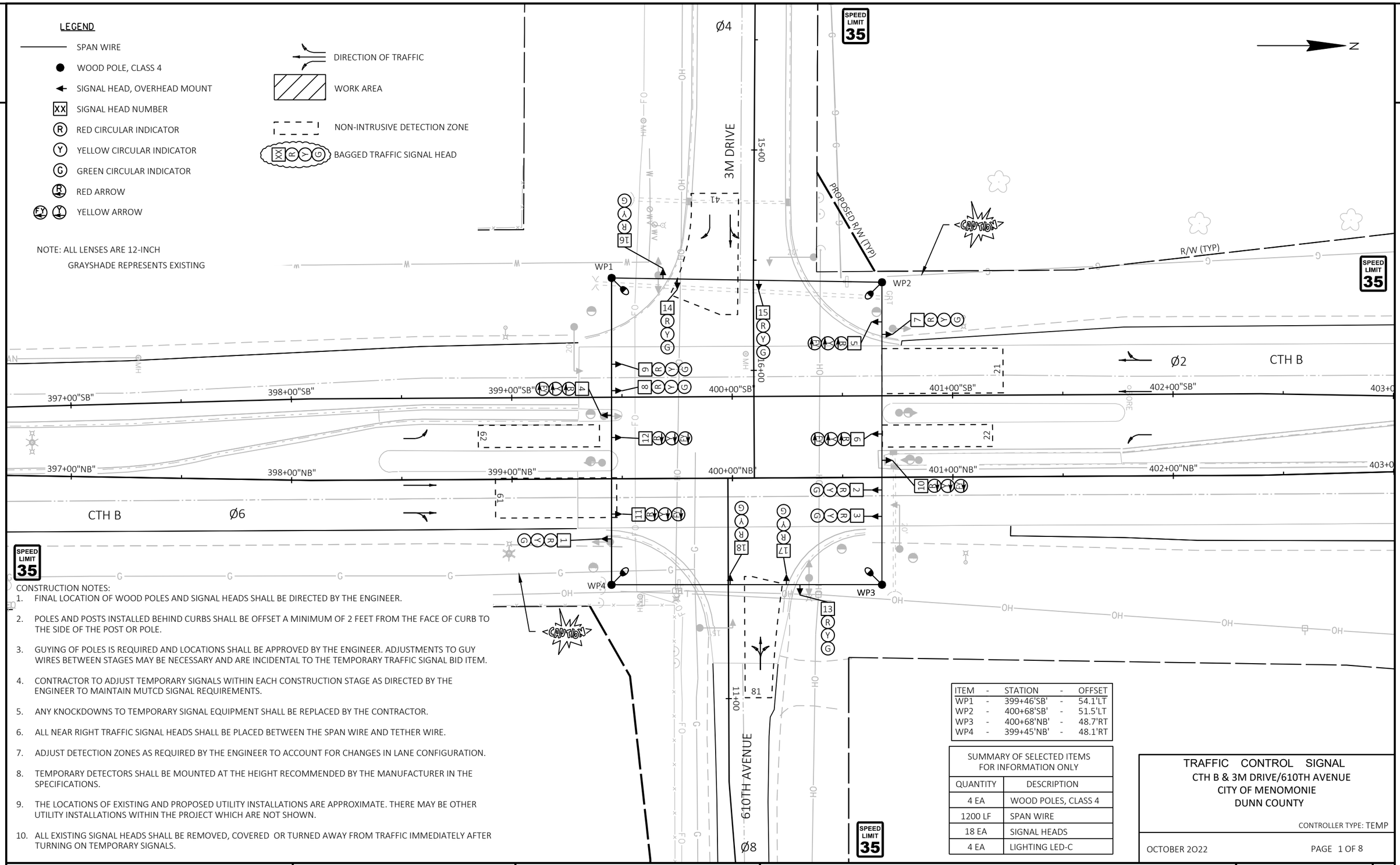
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 82	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\024201-SR.DWG
LAYOUT NAME - TS_3M_610TH AVE
PLOT DATE : 7/28/2023 9:45 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- SPAN WIRE
- WOOD POLE, CLASS 4
- SIGNAL HEAD, OVERHEAD MOUNT
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY YELLOW ARROW
- DIRECTION OF TRAFFIC
- WORK AREA
- NON-INTRUSIVE DETECTION ZONE
- BAGGED TRAFFIC SIGNAL HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING



CONSTRUCTION NOTES:

1. FINAL LOCATION OF WOOD POLES AND SIGNAL HEADS SHALL BE DIRECTED BY THE ENGINEER.
2. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
3. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER. ADJUSTMENTS TO GUY WIRES BETWEEN STAGES MAY BE NECESSARY AND ARE INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL BID ITEM.
4. CONTRACTOR TO ADJUST TEMPORARY SIGNALS WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
5. ANY KNOCKDOWNS TO TEMPORARY SIGNAL EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
6. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
7. ADJUST DETECTION ZONES AS REQUIRED BY THE ENGINEER TO ACCOUNT FOR CHANGES IN LANE CONFIGURATION.
8. TEMPORARY DETECTORS SHALL BE MOUNTED AT THE HEIGHT RECOMMENDED BY THE MANUFACTURER IN THE SPECIFICATIONS.
9. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
10. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.

ITEM	-	STATION	-	OFFSET
WP1	-	399+46'SB'	-	54.1'LT
WP2	-	400+68'SB'	-	51.5'LT
WP3	-	400+68'NB'	-	48.7'RT
WP4	-	399+45'NB'	-	48.1'RT

SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY

QUANTITY	DESCRIPTION
4 EA	WOOD POLES, CLASS 4
1200 LF	SPAN WIRE
18 EA	SIGNAL HEADS
4 EA	LIGHTING LED-C

TRAFFIC CONTROL SIGNAL
CTH B & 3M DRIVE/610TH AVENUE
CITY OF MENOMONIE
DUNN COUNTY

CONTROLLER TYPE: TEMP

OCTOBER 2022 PAGE 1 OF 8

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TEMPORARY TRAFFIC SIGNAL PLAN - PRE-CONSTRUCTION STAGE	SHEET 83	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\024201-ST_SOUTH_PRECON.DWG
LAYOUT NAME - 01_3M
PLOT DATE : 10/31/2022 12:40 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- SPAN WIRE
- WOOD POLE, CLASS 4
- SIGNAL HEAD, OVERHEAD MOUNT
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY Y YELLOW ARROW

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

- DIRECTION OF TRAFFIC
- WORK AREA
- NON-INTRUSIVE DETECTION ZONE

N

3M DRIVE

610TH AVENUE

CTH B

Ø4

Ø2

Ø6

Ø8

SPEED LIMIT 35

PROPOSED R/W (TYP)

R/W (TYP)

CAUTION

WP1

WP2

WP3

WP4

15+00

16+00

11+00

397+00"SB"

398+00"SB"

399+00"SB"

400+00"SB"

401+00"S

402+00"SB"

397+00"NB"

398+00"NB"

399+00"NB"

400+00"NB"

401+00"NB"

402+00"NB"

41

62

61

81

21

22

TRAFFIC CONTROL SIGNAL
CTH B & 3M DRIVE/610TH AVENUE
CITY OF MENOMONIE
DUNN COUNTY

CONTROLLER TYPE: TEMP

OCTOBER 2022

PAGE 2 OF 8

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1A	SHEET 84	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\024201-ST_1A.DWG
LAYOUT NAME - 024201_st_3M

PLOT DATE : 10/31/2022 12:43 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

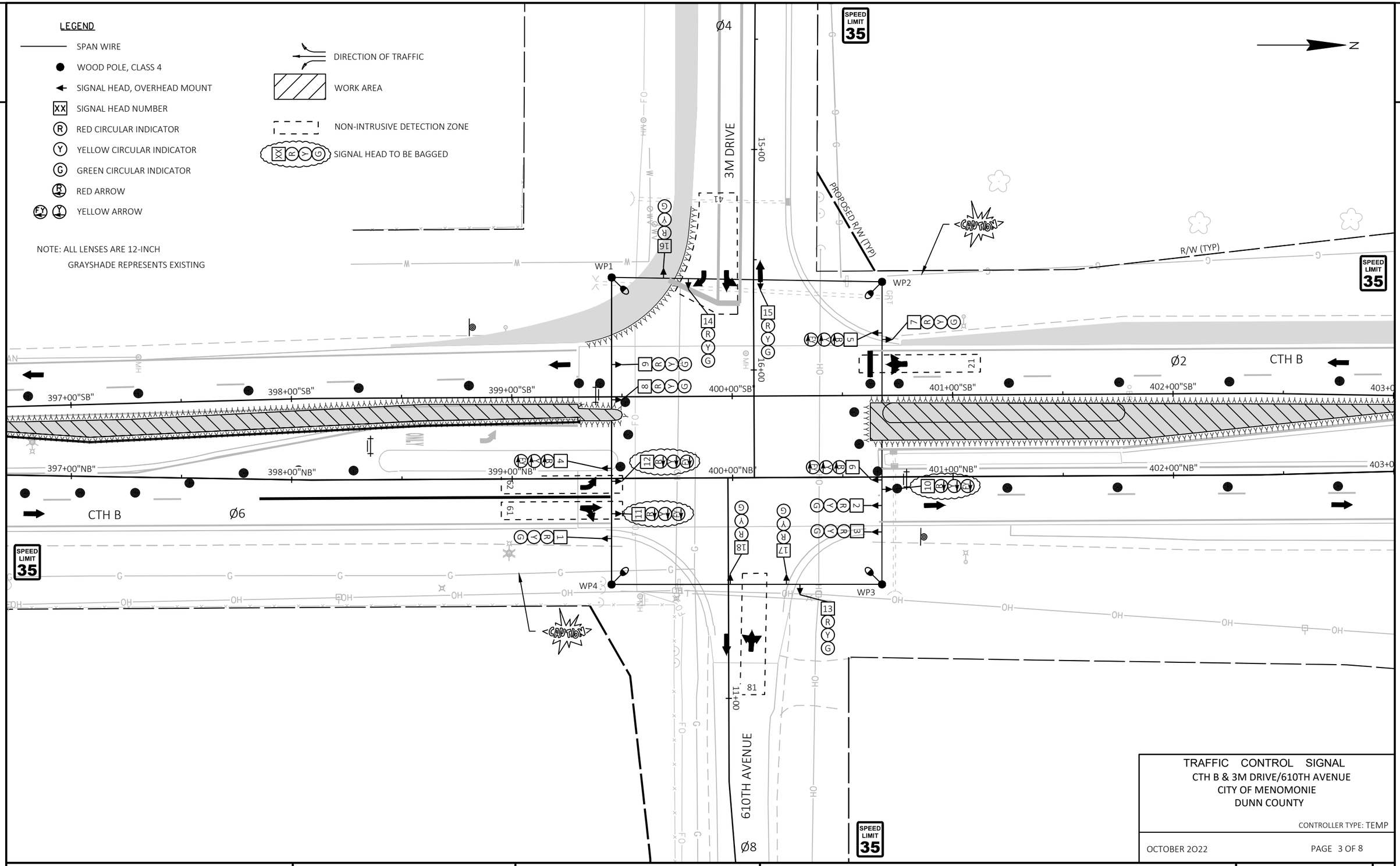
2

LEGEND

- SPAN WIRE
- WOOD POLE, CLASS 4
- SIGNAL HEAD, OVERHEAD MOUNT
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY YELLOW ARROW

- DIRECTION OF TRAFFIC
- WORK AREA
- NON-INTRUSIVE DETECTION ZONE
- SIGNAL HEAD TO BE BAGGED

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL
CTH B & 3M DRIVE/610TH AVENUE
CITY OF MENOMONIE
DUNN COUNTY

CONTROLLER TYPE: TEMP

OCTOBER 2022 PAGE 3 OF 8

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1B	SHEET 85	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\024202-ST_1B.DWG
LAYOUT NAME - 024201_st_3M
PLOT DATE : 10/31/2022 12:44 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

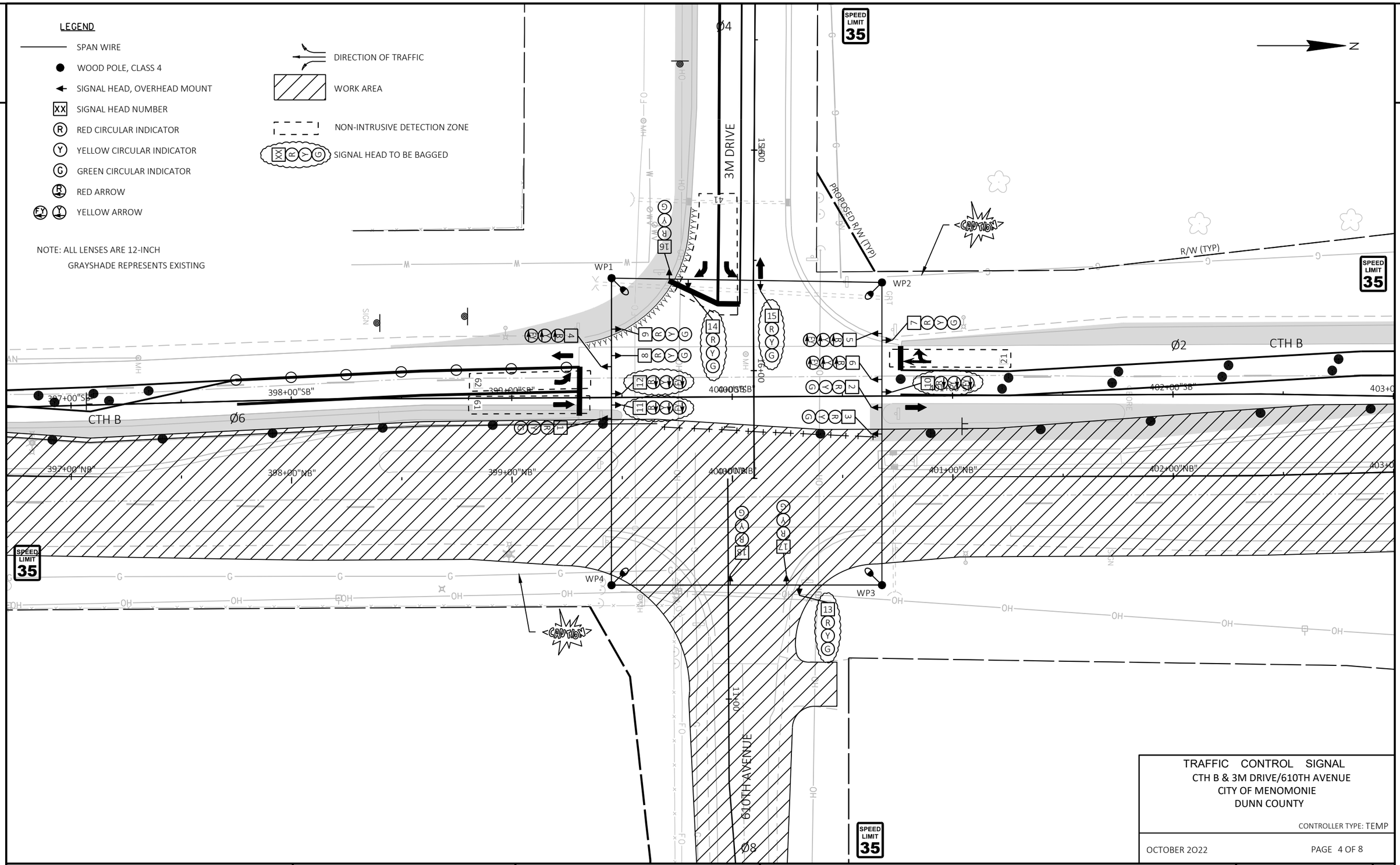
WISDOT/CADDS SHEET 42

2

LEGEND

- SPAN WIRE
- WOOD POLE, CLASS 4
- SIGNAL HEAD, OVERHEAD MOUNT
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY Y YELLOW ARROW
- DIRECTION OF TRAFFIC
- WORK AREA
- NON-INTRUSIVE DETECTION ZONE
- SIGNAL HEAD TO BE BAGGED

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL
CTH B & 3M DRIVE/610TH AVENUE
CITY OF MENOMONIE
DUNN COUNTY

CONTROLLER TYPE: TEMP

OCTOBER 2022 PAGE 4 OF 8

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET 86	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\024205-ST_2_SOUTH.DWG
LAYOUT NAME - 01_3M_P1

PLOT DATE : 7/28/2023 10:07 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- SPAN WIRE
- WOOD POLE, CLASS 4
- SIGNAL HEAD, OVERHEAD MOUNT
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY YELLOW ARROW

DIRECTION OF TRAFFIC

WORK AREA

NON-INTRUSIVE DETECTION ZONE

BAGGED TRAFFIC SIGNAL HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

NOTES:

* DURING 3M DRIVE CONSTRUCTION, MOVE SIGNAL HEADS 16, 17, AND 18 AND DETECTION ZONE 41 AS NEEDED FOR TRAFFIC SHIFTS. CHANGES SHALL MAINTAIN MUTCD COMPLIANCE.

N

Ø4 Ø2 Ø6 Ø8

SPEED LIMIT 35

3M DRIVE

610TH AVENUE

CTH B

PROPOSED R/W (TYP)

R/W (TYP)

CAUTION

WP1 WP2 WP3 WP4

397+00"SB" 398+00"SB" 399+00"SB" 400+00"SB" 401+00"SB" 402+00"SB"

397+00"NB" 398+00"NB" 399+00"NB" 400+00"NB" 401+00"NB" 402+00"NB"

15+00 16+00 11+00

41 61 62 71 72 81

TRAFFIC CONTROL SIGNAL
CTH B & 3M DRIVE/610TH AVENUE
CITY OF MENOMONIE
DUNN COUNTY

CONTROLLER TYPE: TEMP

OCTOBER 2022 PAGE 5 OF 8

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3	SHEET 87	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\024207-ST_3_SOUTH.DWG
LAYOUT NAME - 01_3M

PLOT DATE : 10/31/2022 12:58 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- SPAN WIRE
- WOOD POLE, CLASS 4
- SIGNAL HEAD, OVERHEAD MOUNT
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY YELLOW ARROW

DIRECTION OF TRAFFIC

WORK AREA

NON-INTRUSIVE DETECTION ZONE

BAGGED TRAFFIC SIGNAL HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

Ø4

Ø2

Ø6

Ø8

3M DRIVE

610TH AVENUE

CTH B

PROPOSED R/W (TYP)

R/W (TYP)

CAUTION

SPEED LIMIT 35

WP1

WP2

WP3

WP4

397+00"SB"

398+00"SB"

399+00"SB"

400+00"SB"

401+00"SB"

402+00"SB"

397+00"NB"

398+00"NB"

399+00"NB"

400+00"NB"

401+00"NB"

402+00"NB"

15+00

16+00

11+00

TRAFFIC CONTROL SIGNAL
CTH B & 3M DRIVE/610TH AVENUE
CITY OF MENOMONIE
DUNN COUNTY

CONTROLLER TYPE: TEMP

OCTOBER 2022

PAGE 6 OF 8

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4	SHEET 88	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\024201-ST_4_SOUTH.DWG
LAYOUT NAME - 01_3M

PLOT DATE : 10/31/2022 1:02 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

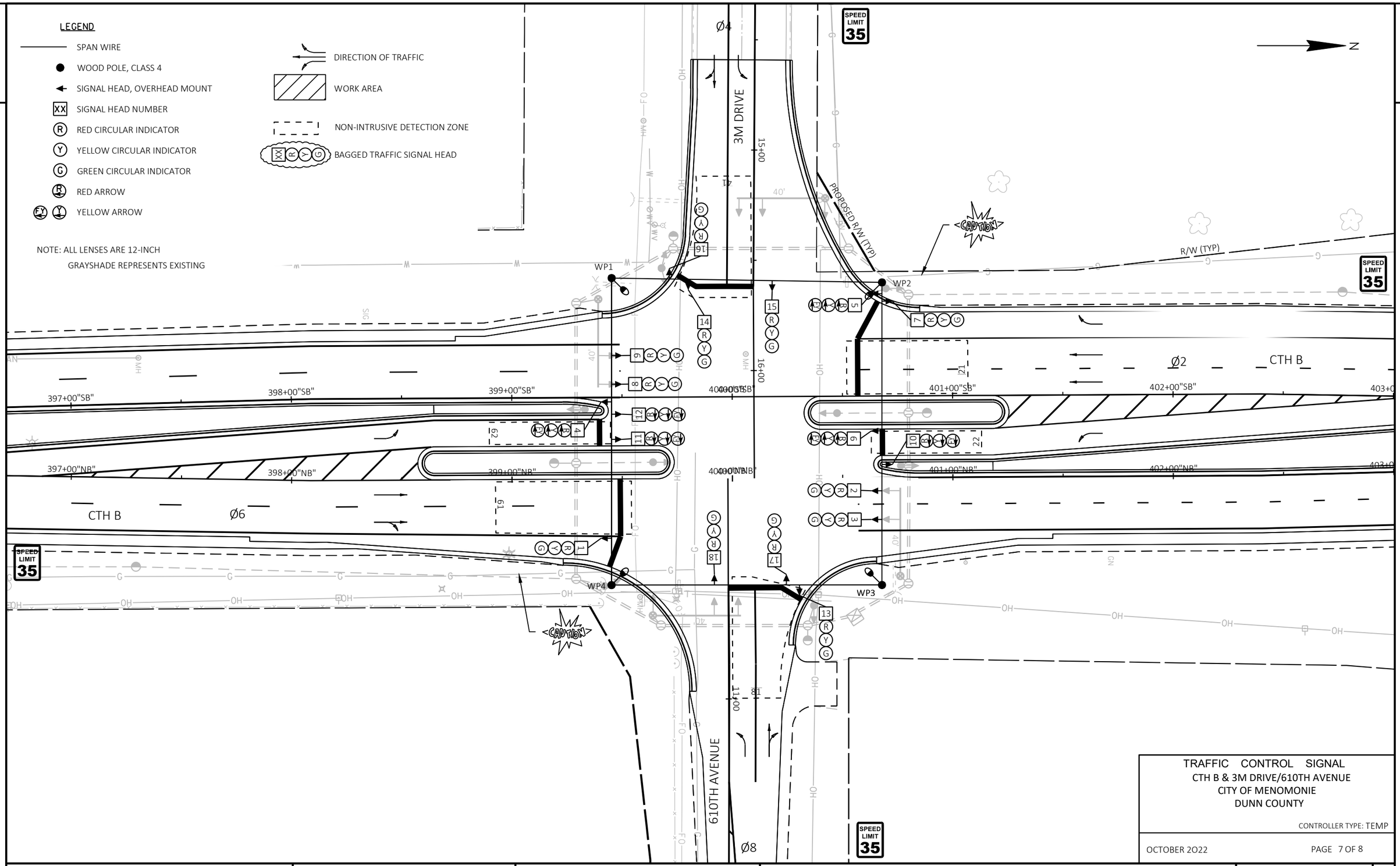
WISDOT/CADDS SHEET 42

LEGEND

- SPAN WIRE
- WOOD POLE, CLASS 4
- SIGNAL HEAD, OVERHEAD MOUNT
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY YELLOW ARROW

- DIRECTION OF TRAFFIC
- WORK AREA
- NON-INTRUSIVE DETECTION ZONE
- BAGGED TRAFFIC SIGNAL HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL
CTH B & 3M DRIVE/610TH AVENUE
CITY OF MENOMONIE
DUNN COUNTY

CONTROLLER TYPE: TEMP

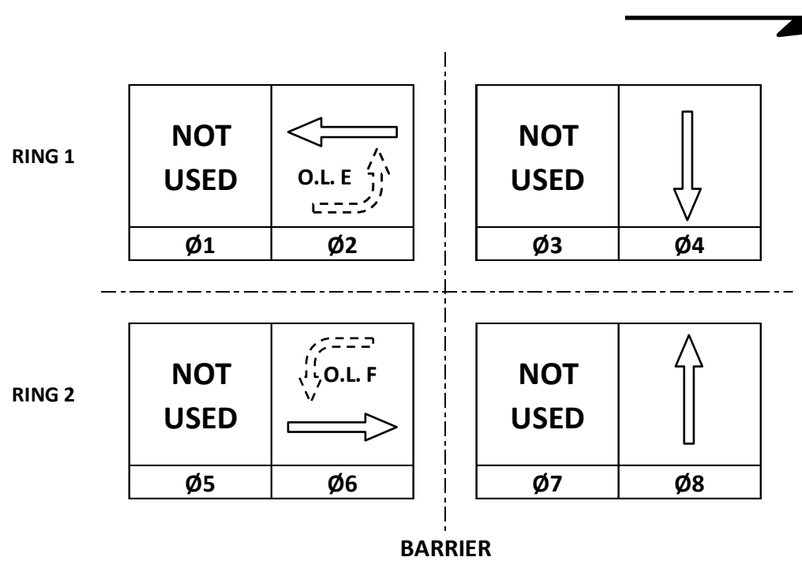
OCTOBER 2022

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TEMPORARY TRAFFIC SIGNAL PLAN - POST-CONSTRUCTION STAGE	SHEET 89	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\024201-ST_SOUTH_POSTCON.DWG
LAYOUT NAME - 01_3M

PLOT DATE : 7/27/2023 11:03 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1		
Ø2	7,8,9	R
Ø3		
Ø4	16,17,18	R
Ø5		
Ø6	1,2,3	R
Ø7		
Ø8	13,14,15	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLE	4,5,6	R ←
OLF	10,11,12	R ←
OLG		
OLH		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	6	MIN	X
3				
4	X	8		X
5				
6	X	2	MIN	X
7				
8	X	4		X

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	21	41	61	81				
PHASE CALLED	2	4	6	8				
PHASE EXTENDED	2	4	6	8				
DISSCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH	X		X					
LOOP FUNCTION								

19	17	23	21	27	25	31	29	
								DETECTOR INPUT
								DETECTOR #(S)
								PHASE CALLED
								PHASE EXTENDED
								DISSCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)	22		62					
PHASE CALLED	2		6					
PHASE EXTENDED	2		6					
DISSCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								

20	18	24	22	28	26	32	30	
								DETECTOR INPUT
								DETECTOR #(S)
								PHASE CALLED
								PHASE EXTENDED
								DISSCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH

TRAFFIC CONTROL SIGNAL
CTH B & 3M DRIVE / 610TH AVENUE
CITY OF MENOMONIE
DUNN COUNTY

CONTROLLER TYPE: TEMP

OCTOBER 2022 PAGE 8 OF 8

FILE NAME: \\KL1-FS02\DATA1\CBS Squared\CTH B\CTH B_South\Traffic\Traffic B South_CBS Squared\Signal Plan - Misc\TS2-S_3M_EP PLOT DATE: 10/31/2022 PLOT NAME: TS2-S_3M_EPAC_SEQ.xlsx PLOT BY: PLOT SCALE: 1:1

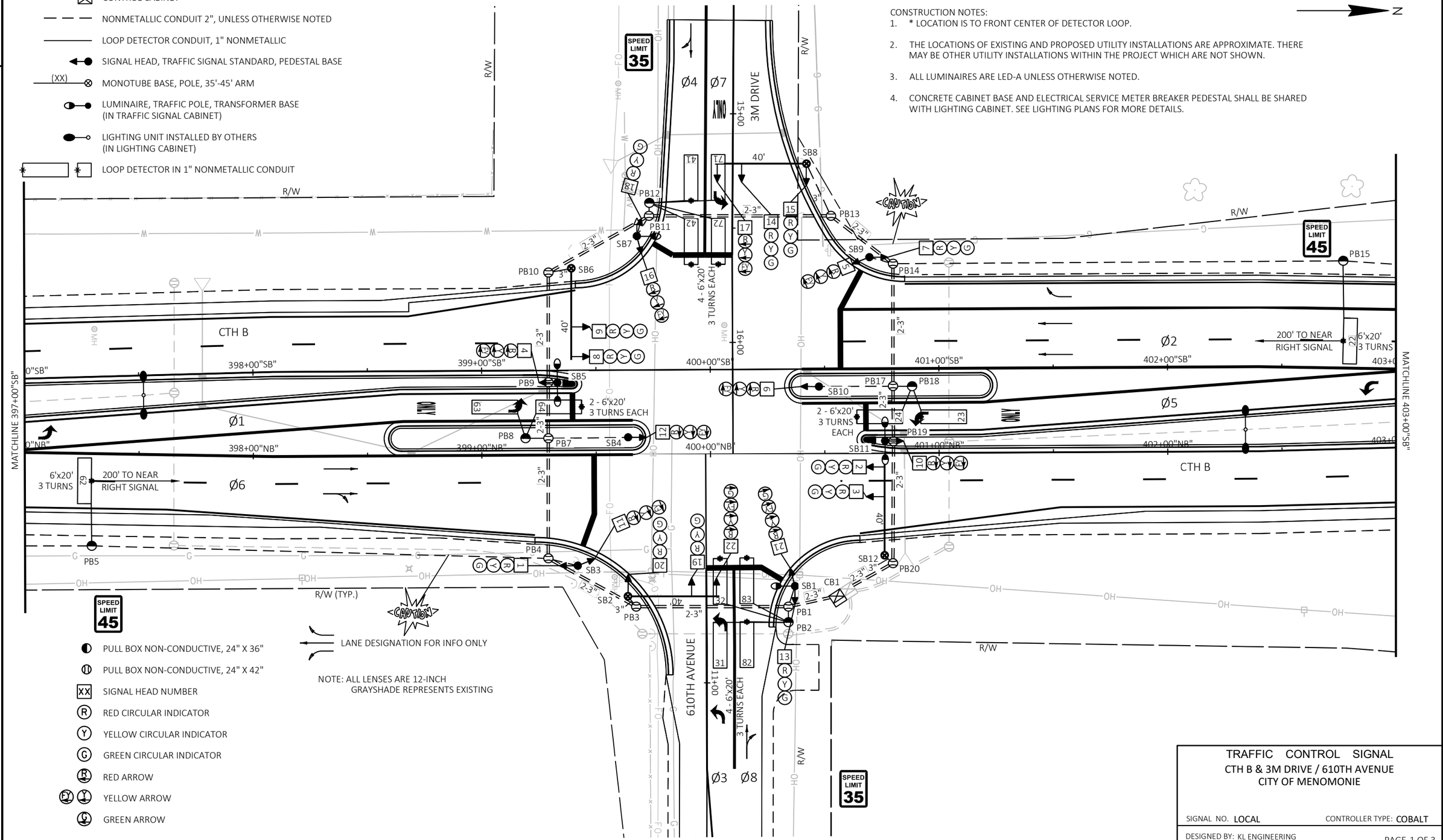
LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE (IN TRAFFIC SIGNAL CABINET)
- LIGHTING UNIT INSTALLED BY OTHERS (IN LIGHTING CABINET)
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT

CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. ALL LUMINAIRES ARE LED-A UNLESS OTHERWISE NOTED.
4. CONCRETE CABINET BASE AND ELECTRICAL SERVICE METER BREAKER PEDESTAL SHALL BE SHARED WITH LIGHTING CABINET. SEE LIGHTING PLANS FOR MORE DETAILS.

N



TRAFFIC CONTROL SIGNAL
CTH B & 3M DRIVE / 610TH AVENUE
CITY OF MENOMONIE

SIGNAL NO. LOCAL
CONTROLLER TYPE: COBALT

DESIGNED BY: KL ENGINEERING
REVISED BY:

PAGE 1 OF 3

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC SIGNAL PLAN	SHEET 91	E

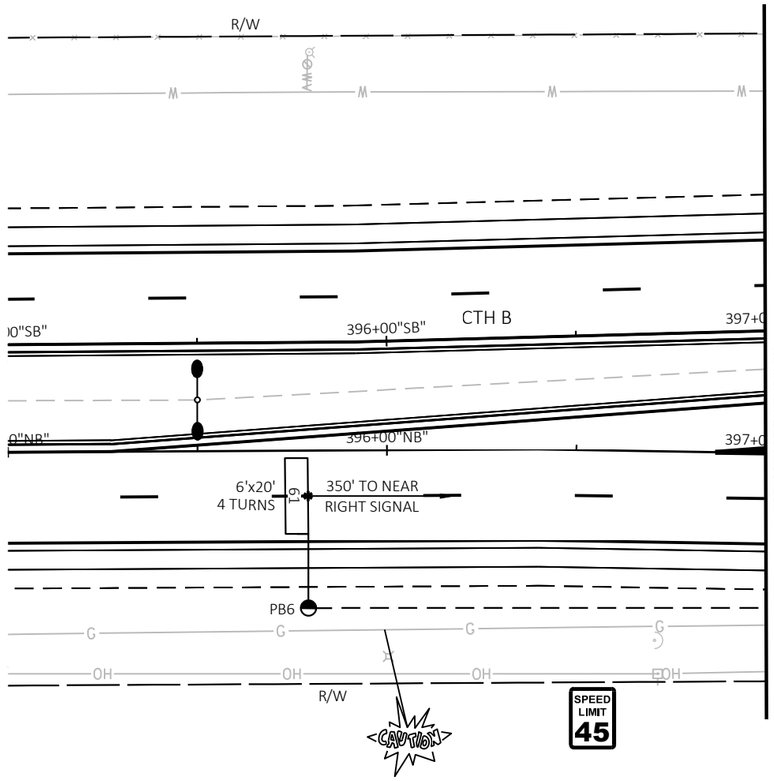
FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - TS_3M_610TH AVE

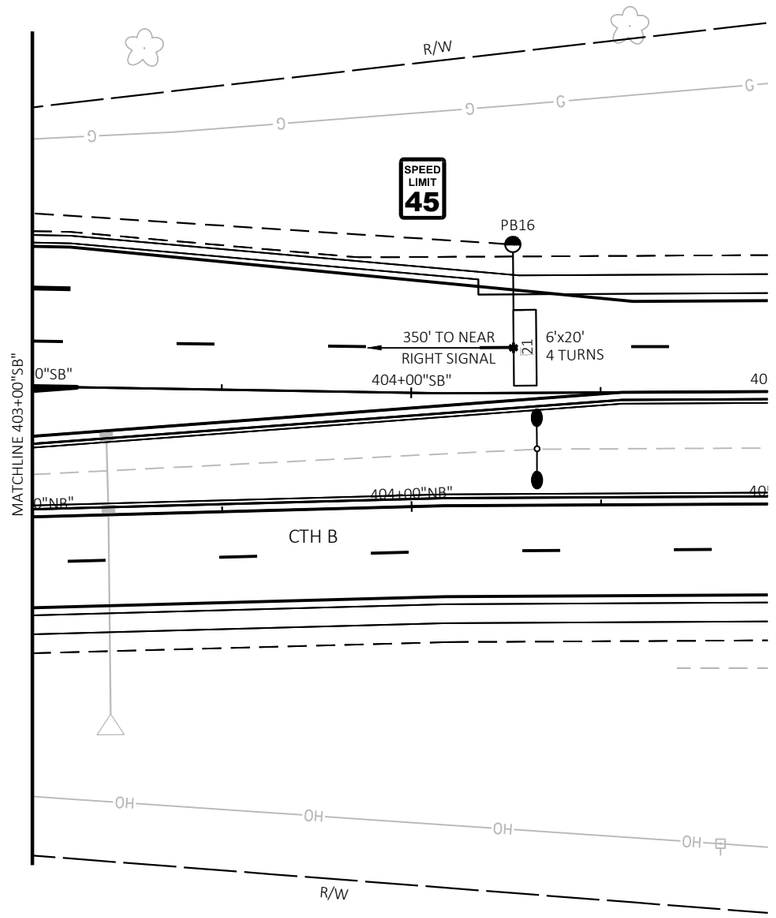
PLOT DATE : 7/28/2023 9:42 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N





TRAFFIC CONTROL SIGNAL
CTH B & 3M DRIVE / 610TH AVENUE
CITY OF MENOMONIE

SIGNAL NO. LOCAL CONTROLLER TYPE: COBALT

DESIGNED BY: KL ENGINEERING
REVISED BY:

PAGE 2 OF 3

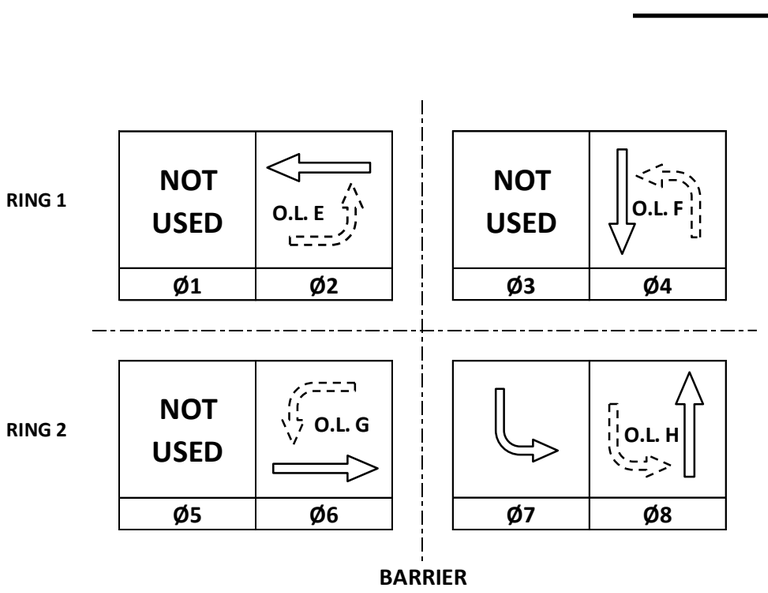
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC SIGNAL PLAN	SHEET 92	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - TS_3M_610TH AVE p2

PLOT DATE : 7/28/2023 9:43 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	7,8,9	R
Ø3		
Ø4	18,19,20	R
Ø5		
Ø6	1,2,3	R
Ø7	21,22	-
Ø8	13,14,15	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLE	4,5,6	R ←
OLF	16,17	R ←
OLG	10,11,12	R ←
OLH	21,22	R ←



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	6	MIN	X
3				
4	X	8		X
5				
6	X	2	MIN	X
7	X	4		X
8	X	4		X

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	X
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
DETECTOR #(S)	21	23	41	61	63	71	81	83									DETECTOR #(S)
PHASE CALLED	2	2	4	6	6	7	8	8									PHASE CALLED
PHASE EXTENDED	2	2	4	4	6	7	8	8									PHASE EXTENDED
DISSCONNECT TIME																	DISSCONNECT TIME
CALLING DELAY			X														CALLING DELAY
EXTENSION STRETCH	X			X													EXTENSION STRETCH
LOOP FUNCTION																	LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
DETECTOR #(S)	22	24	42	62	64	72	82	84									DETECTOR #(S)
PHASE CALLED	2	2	4	6	6	7	8	8									PHASE CALLED
PHASE EXTENDED	2	2	4	6	6	7	8	8									PHASE EXTENDED
DISSCONNECT TIME																	DISSCONNECT TIME
CALLING DELAY			X				X	X									CALLING DELAY
EXTENSION STRETCH	X			X													EXTENSION STRETCH
LOOP FUNCTION																	LOOP FUNCTION

TRAFFIC CONTROL SIGNAL
CTH B & 3M DRIVE / 610TH AVENUE
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO. LOCAL | CONTROLLER TYPE: COBALT
DESIGNED BY: KL ENGINEERING
REVISED BY:
PAGE 3 OF 3

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	SEQUENCE OF OPERATIONS	SHEET NO: 93	E

2

PROJECT ID:	7996-00-43
INTERSECTION:	CTH B & 3M DRIVE / 610TH AVENUE

SIGNAL WIRE COLOR CODING	BLK-BLACK	RED-RED	GRN-GREEN
	WHT-WHITE	BLU-BLUE	ORG-ORANGE

DATE: Oct-22

CB1 TO	JUMPER	AWG 14 # OF COND.	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
				RED	YELLOW	GREEN	<RED>	<YELLOW>	<FLASH YEL>	<GREEN>	D/WALK	WALK		
SB1		12	13	RED	ORG	GRN								
			21				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
SB2		12	19	RED	ORG	GRN								
			20	RED	ORG	GRN								
			22				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
SB3		12	1	RED	ORG	GRN								
			11				RED/BLK	ORG/BLK	BLK/WHT					
SB4		7	12				RED	ORG	BLK					
SB5		7	4				RED	ORG	BLK					
SB6		5	8	RED	ORG	GRN								
			9	RED	ORG	GRN								
SB7		12	16				RED/BLK	ORG/BLK	BLK/WHT					
			18	RED	ORG	GRN								
SB8		12	14	RED	ORG	GRN								
			15	RED	ORG	GRN								
			17				RED/BLK	ORG/BLK	BLK/WHT					
SB9		12	5				RED/BLK	ORG/BLK	BLK/WHT					
			7	RED	ORG	GRN								
SB10		7	6				RED	ORG	BLK					
SB11		7	10				RED	ORG	BLK					
SB12		5	2	RED	ORG	GRN								
			3	RED	ORG	GRN								

EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	CB1

LIGHTING UF 12 AWG W/ GROUND	
FROM	TO
CB1	SB1
SB1	SB5
SB5	SB7
CB1	SB11

NOTES:
1. USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
2. ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS.

CTH B & 3M DRIVE / 610TH AVENUE
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO: LOCAL
CABINET TYPE: TS2
CONTROLLER TYPE: COBALT

DATE: OCTOBER 2022 PAGE NO. 1 OF 1

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE (WISDOT OWNED)
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE (MUNICIPAL OWNED)
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT SIDE PULL
- LOOP DETECTOR IN 1" PVC CONDUIT WITH JUNCTION BOX
- PULL BOX STEEL, 24" X 36"
- PULL BOX STEEL, 12" X 24"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- SIGNAL HEAD WITH RETROREFLECTIVE BACKPLATE
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- LANE DESIGNATION FOR INFO ONLY
- RAMP GATE
- SOLAR POWER SYSTEM
- XX VIDEO CAMERA

NOTE: GRAYSHADE REPRESENTS EXISTING ITEMS TO REMAIN
BOLD REPRESENTS ITEMS TO BE REMOVED, SALVAGED, OR ABANDONED

CONSTRUCTION NOTES:

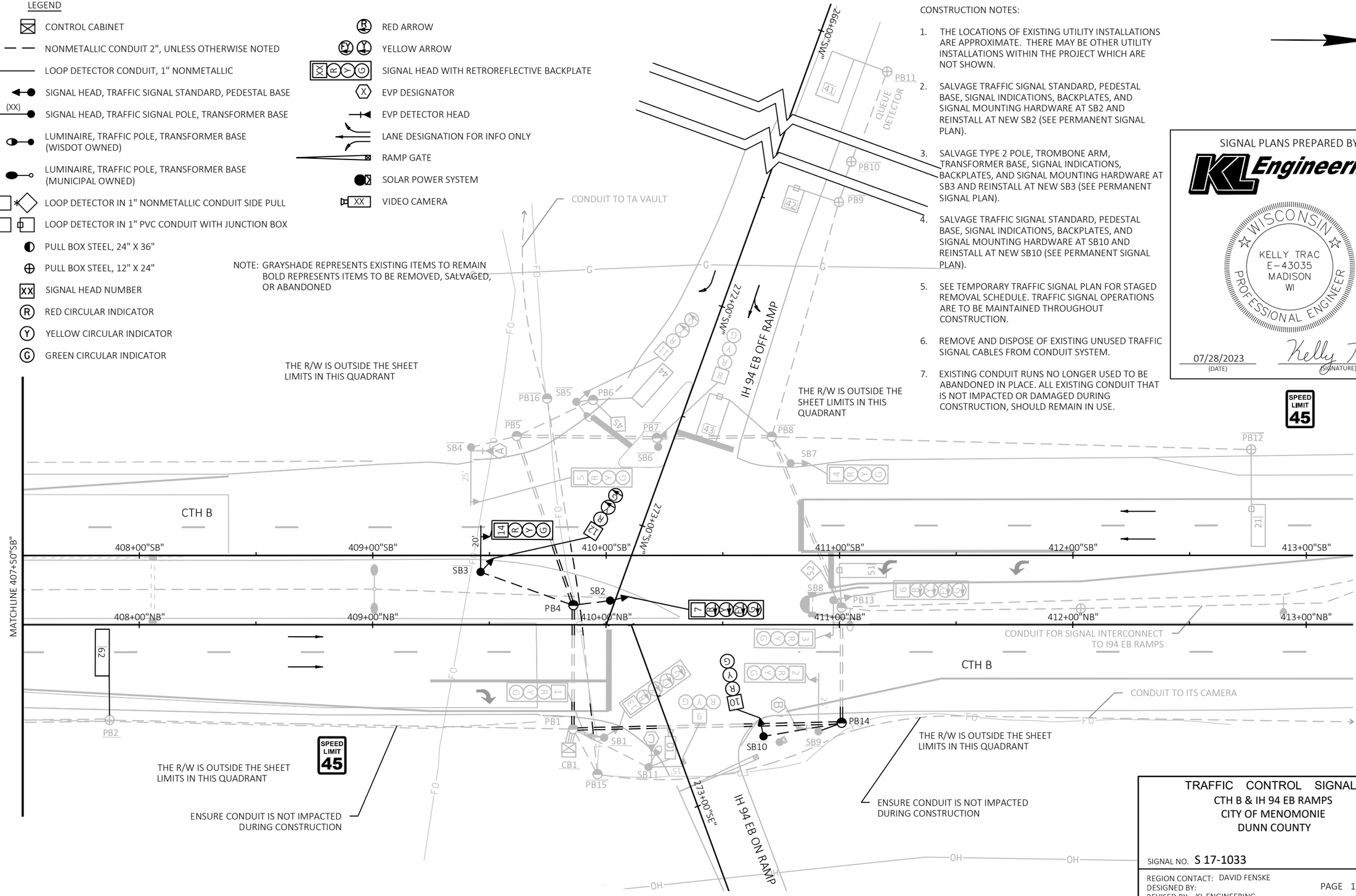
1. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. SALVAGE TRAFFIC SIGNAL STANDARD, PEDESTAL BASE, SIGNAL INDICATIONS, BACKPLATES, AND SIGNAL MOUNTING HARDWARE AT SB2 AND REINSTALL AT NEW SB2 (SEE PERMANENT SIGNAL PLAN).
3. SALVAGE TYPE 2 POLE, TROMBONE ARM, TRANSFORMER BASE, SIGNAL INDICATIONS, BACKPLATES, AND SIGNAL MOUNTING HARDWARE AT SB3 AND REINSTALL AT NEW SB3 (SEE PERMANENT SIGNAL PLAN).
4. SALVAGE TRAFFIC SIGNAL STANDARD, PEDESTAL BASE, SIGNAL INDICATIONS, BACKPLATES, AND SIGNAL MOUNTING HARDWARE AT SB10 AND REINSTALL AT NEW SB10 (SEE PERMANENT SIGNAL PLAN).
5. SEE TEMPORARY TRAFFIC SIGNAL PLAN FOR STAGED REMOVAL SCHEDULE. TRAFFIC SIGNAL OPERATIONS ARE TO BE MAINTAINED THROUGHOUT CONSTRUCTION.
6. REMOVE AND DISPOSE OF EXISTING UNUSED TRAFFIC SIGNAL CABLES FROM CONDUIT SYSTEM.
7. EXISTING CONDUIT RUNS NO LONGER USED TO BE ABANDONED IN PLACE. ALL EXISTING CONDUIT THAT IS NOT IMPACTED OR DAMAGED DURING CONSTRUCTION, SHOULD REMAIN IN USE.

N

SIGNAL PLANS PREPARED BY
KL Engineering

WISCONSIN
KELLY TRAC
E-43035
MADISON
WI
PROFESSIONAL ENGINEER

07/28/2023 (DATE)
Kelly Trac (SIGNATURE)



TRAFFIC CONTROL SIGNAL
CTH B & IH 94 EB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO. S 17-1033

REGION CONTACT: DAVID FENSKE
DESIGNED BY:
REVISED BY: KL ENGINEERING

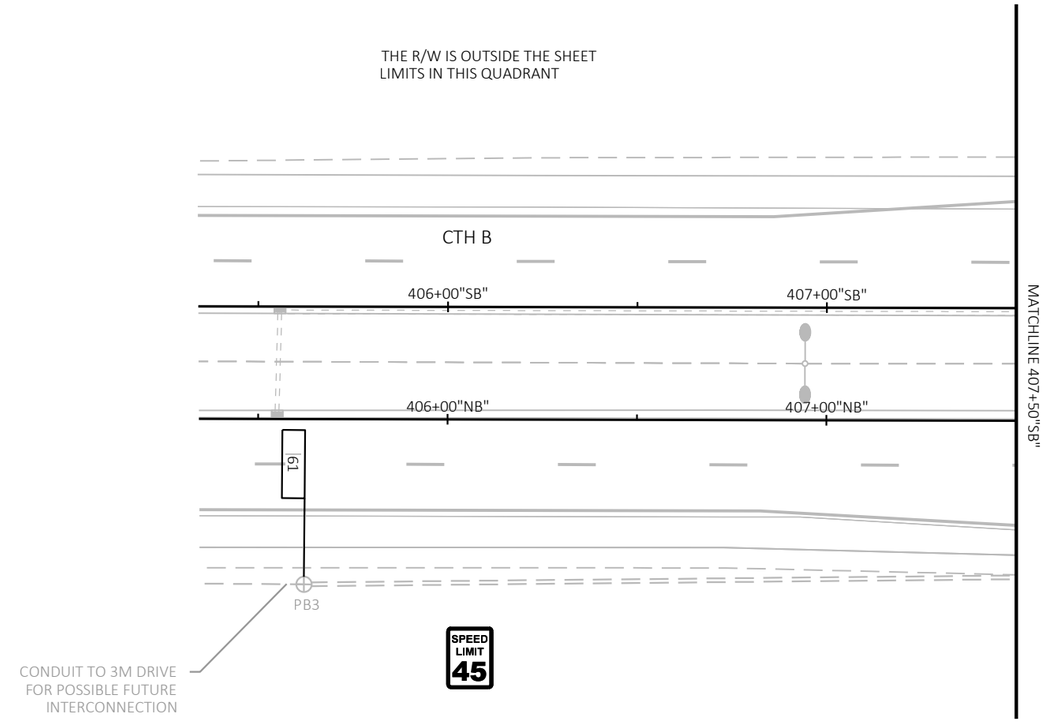
PAGE 1 OF 2

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 95	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\024201-SR.DWG
LAYOUT NAME - IH 94 EB
PLOT DATE : 7/28/2023 8:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

N



TRAFFIC CONTROL SIGNAL
CTH B & IH 94 EB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO. S 17-1033

REGION CONTACT: DAVID FENSKE
DESIGNED BY:
REVISED BY: KL ENGINEERING

PAGE 2 OF 2

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 96	E

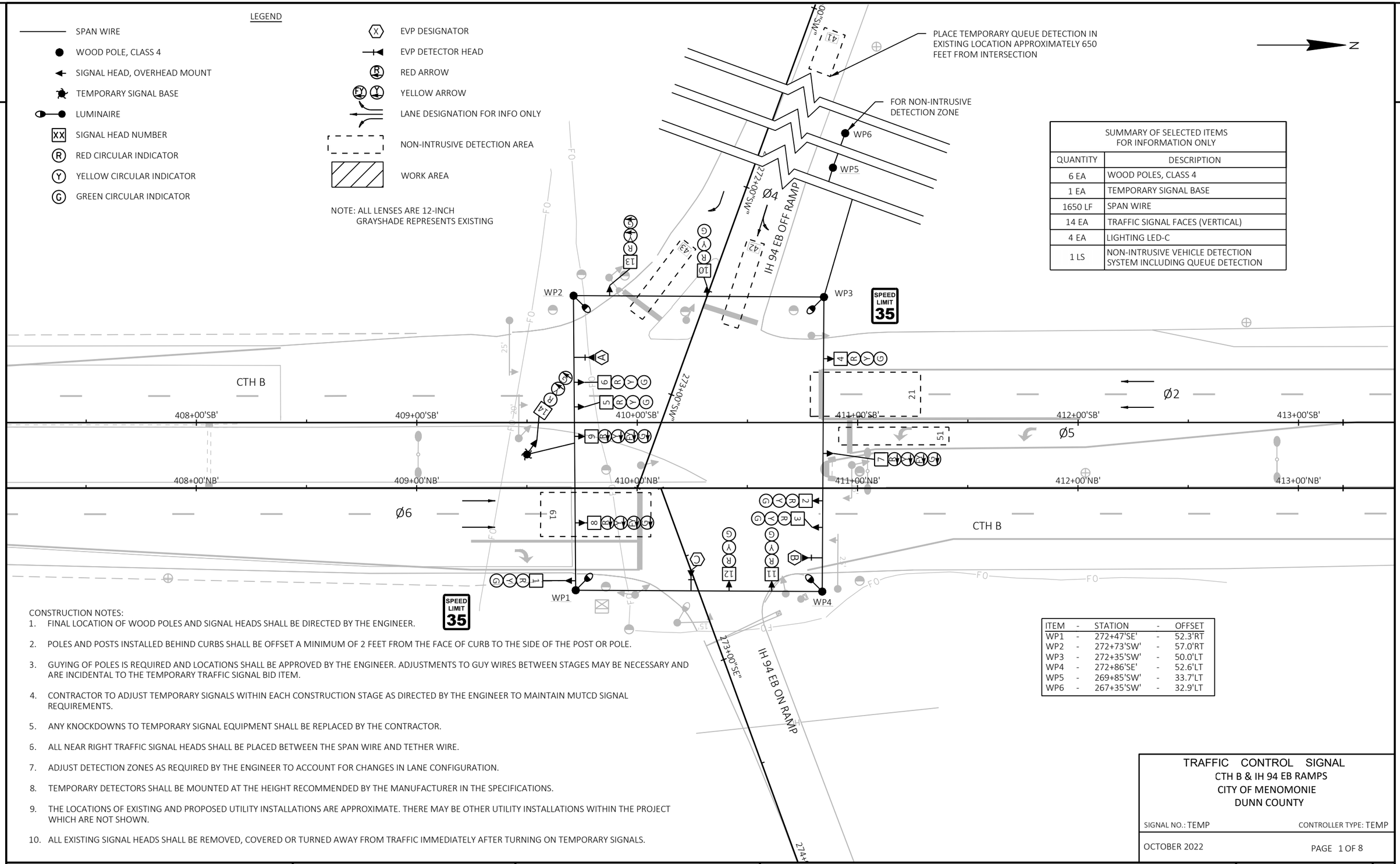
FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\024201-SR.DWG
LAYOUT NAME - IH 94 EB p2

PLOT DATE : 7/28/2023 8:46 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN: 40 FT

LEGEND

- SPAN WIRE
- WOOD POLE, CLASS 4
- SIGNAL HEAD, OVERHEAD MOUNT
- TEMPORARY SIGNAL BASE
- LUMINAIRE
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- R RED ARROW
- Y YELLOW ARROW
- LANE DESIGNATION FOR INFO ONLY
- NON-INTRUSIVE DETECTION AREA
- WORK AREA

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING



SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY	
QUANTITY	DESCRIPTION
6 EA	WOOD POLES, CLASS 4
1 EA	TEMPORARY SIGNAL BASE
1650 LF	SPAN WIRE
14 EA	TRAFFIC SIGNAL FACES (VERTICAL)
4 EA	LIGHTING LED-C
1 LS	NON-INTRUSIVE VEHICLE DETECTION SYSTEM INCLUDING QUEUE DETECTION

ITEM	-	STATION	-	OFFSET
WP1	-	272+47'SE'	-	52.3'RT
WP2	-	272+73'SW'	-	57.0'RT
WP3	-	272+35'SW'	-	50.0'LT
WP4	-	272+86'SE'	-	52.6'LT
WP5	-	269+85'SW'	-	33.7'LT
WP6	-	267+35'SW'	-	32.9'LT

CONSTRUCTION NOTES:

1. FINAL LOCATION OF WOOD POLES AND SIGNAL HEADS SHALL BE DIRECTED BY THE ENGINEER.
2. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
3. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER. ADJUSTMENTS TO GUY WIRES BETWEEN STAGES MAY BE NECESSARY AND ARE INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL BID ITEM.
4. CONTRACTOR TO ADJUST TEMPORARY SIGNALS WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
5. ANY KNOCKDOWNS TO TEMPORARY SIGNAL EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
6. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
7. ADJUST DETECTION ZONES AS REQUIRED BY THE ENGINEER TO ACCOUNT FOR CHANGES IN LANE CONFIGURATION.
8. TEMPORARY DETECTORS SHALL BE MOUNTED AT THE HEIGHT RECOMMENDED BY THE MANUFACTURER IN THE SPECIFICATIONS.
9. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
10. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.

TRAFFIC CONTROL SIGNAL
CTH B & IH 94 EB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO.: TEMP CONTROLLER TYPE: TEMP

OCTOBER 2022 PAGE 1 OF 8

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TEMPORARY TRAFFIC SIGNAL PLAN - PRECONSTRUCTION	SHEET 97	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS - RAMPS\024201-ST_PRE.DWG
LAYOUT NAME - 024101_ST_EB RAMPS
PLOT DATE : 10/31/2022 3:38 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- SPAN WIRE
- WOOD POLE, CLASS 4
- SIGNAL HEAD, OVERHEAD MOUNT
- TEMPORARY SIGNAL BASE
- LUMINAIRE
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- R RED ARROW
- FY Y YELLOW ARROW
- LANE DESIGNATION FOR INFO ONLY
- NON-INTRUSIVE DETECTION AREA
- WORK AREA

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

PLACE TEMPORARY QUEUE DETECTION IN EXISTING LOCATION APPROXIMATELY 650 FEET FROM INTERSECTION

FOR NON-INTRUSIVE DETECTION ZONE

N

WP1 WP2 WP3 WP4 WP5 WP6

IH 94 EB OFF RAMP

IH 94 EB ON RAMP

CTH B

SPEED LIMIT 35

408+00'SB' 409+00'SB' 410+00'SB' 411+00'SB' 412+00'SB' 413+00'SB'

408+00'NB' 409+00'NB' 410+00'NB' 411+00'NB' 412+00'NB' 413+00'NB'

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6

R/W (TYP)

TRAFFIC CONTROL SIGNAL
CTH B & IH 94 EB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO.: TEMP CONTROLLER TYPE: TEMP

OCTOBER 2022 PAGE 2 OF 8

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1A	SHEET 98	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS - RAMPS\024201-ST_1A.DWG
LAYOUT NAME - 024201_st_94E

PLOT DATE : 10/31/2022 3:38 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- SPAN WIRE
- WOOD POLE, CLASS 4
- SIGNAL HEAD, OVERHEAD MOUNT
- TEMPORARY SIGNAL BASE
- LUMINAIRE
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- R RED ARROW
- FY Y YELLOW ARROW
- LANE DESIGNATION FOR INFO ONLY
- NON-INTRUSIVE DETECTION AREA
- WORK AREA

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

PLACE TEMPORARY QUEUE DETECTION IN EXISTING LOCATION APPROXIMATELY 650 FEET FROM INTERSECTION

FOR NON-INTRUSIVE DETECTION ZONE

N

WP1 WP2 WP3 WP4 WP5 WP6

Ø1 Ø2 Ø4 Ø5 Ø6

CTH B

IH 94 EB OFF RAMP

IH 94 EB ON RAMP

273+00 "SW"

273+00"SE"

408+00'SB' 409+00'SB' 410+00'SB' 411+00'SB' 412+00'SB' 413+00'SB'

408+00'NB' 409+00'NB' 410+00'NB' 411+00'NB' 412+00'NB' 413+00'NB'

SPEED LIMIT 35

SPEED LIMIT 35

FO OH RW (TYP)

TRAFFIC CONTROL SIGNAL
CTH B & IH 94 EB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO.: TEMP CONTROLLER TYPE: TEMP

OCTOBER 2022 PAGE 3 OF 8

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1B	SHEET 99	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS - RAMPS\024202-ST_1B.DWG
LAYOUT NAME - 024201_st_94E

PLOT DATE : 10/31/2022 3:38 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- SPAN WIRE
- WOOD POLE, CLASS 4
- SIGNAL HEAD, OVERHEAD MOUNT
- TEMPORARY SIGNAL BASE
- LUMINAIRE
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- R RED ARROW
- FY Y YELLOW ARROW
- LANE DESIGNATION FOR INFO ONLY
- NON-INTRUSIVE DETECTION AREA
- WORK AREA

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

PLACE TEMPORARY QUEUE DETECTION IN EXISTING LOCATION APPROXIMATELY 650 FEET FROM INTERSECTION

FOR NON-INTRUSIVE DETECTION ZONE

N

CTH B

IH 94 EB OFF RAMP

IH 94 EB ON RAMP

Ø2 Ø4 Ø5 Ø6

WP1 WP2 WP3 WP4 WP5 WP6

SPEED LIMIT 35

408+00'SB' 409+00'SB' 410+00'SB' 411+00'SB' 412+00'SB' 413+00'SB'

408+00'NB' 409+00'NB' 410+00'NB' 411+00'NB' 412+00'NB' 413+00'NB'

273+00'SW" 273+00'SE" 274+0

R/W (TYP)

TRAFFIC CONTROL SIGNAL
CTH B & IH 94 EB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO.: TEMP CONTROLLER TYPE: TEMP

OCTOBER 2022 PAGE 4 OF 8

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET 100	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS - RAMPS\024205-ST_2_SOUTH.DWG
LAYOUT NAME - 03_94E

PLOT DATE : 10/31/2022 3:38 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- SPAN WIRE
- WOOD POLE, CLASS 4
- SIGNAL HEAD, OVERHEAD MOUNT
- TEMPORARY SIGNAL BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- R RED ARROW
- Y YELLOW ARROW
- SIGNAL HEAD TO BE BAGGED
- LANE DESIGNATION FOR INFO ONLY
- NON-INTRUSIVE DETECTION AREA
- WORK AREA

THE R/W IS OUTSIDE THE SHEET LIMITS IN THIS QUADRANT

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

PLACE TEMPORARY QUEUE DETECTION IN EXISTING LOCATION APPROXIMATELY 650 FEET FROM INTERSECTION

FOR NON-INTRUSIVE DETECTION ZONE

N

WP1 WP2 WP3 WP4 WP5 WP6

Ø2 Ø4 Ø5 Ø6

IH 94 EB OFF RAMP

IH 94 EB ON RAMP

CTH B

SPEED LIMIT 35

408+00'SB' 409+00'SB' 410+00'SB' 411+00'SB' 412+00'SB' 413+00'SB'

408+00'NB' 409+00'NB' 410+00'NB' 411+00'NB' 412+00'NB' 413+00'NB'

273+00"NW" 273+00"SW" 273+00"SE" 274+0

RW (TYP)

TRAFFIC CONTROL SIGNAL
CTH B & IH 94 EB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO.: TEMP CONTROLLER TYPE: TEMP

OCTOBER 2022 PAGE 5 OF 8

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3	SHEET 101	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS - RAMPS\024207-ST_3_SOUTH.DWG
LAYOUT NAME - 02_94E

PLOT DATE : 10/31/2022 3:38 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- SPAN WIRE
- WOOD POLE, CLASS 4
- SIGNAL HEAD, OVERHEAD MOUNT
- TEMPORARY SIGNAL BASE
- LUMINAIRE
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- R RED ARROW
- FY Y YELLOW ARROW
- LANE DESIGNATION FOR INFO ONLY
- NON-INTRUSIVE DETECTION AREA
- WORK AREA

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

PLACE TEMPORARY QUEUE DETECTION IN EXISTING LOCATION APPROXIMATELY 650 FEET FROM INTERSECTION

FOR NON-INTRUSIVE DETECTION ZONE

N

CTH B

WP1 WP2 WP3 WP4 WP5 WP6

Ø2 Ø4 Ø5 Ø6

IH 94 EB OFF RAMP

IH 94 EB ON RAMP

SPEED LIMIT 35

408+00'SB' 409+00'SB' 410+00'SB' 411+00'SB' 412+00'SB' 413+00'SB'

408+00'NB' 409+00'NB' 410+00'NB' 411+00'NB' 412+00'NB' 413+00'NB'

273+00"SW" 273+00"SE" 274+00"SE"

R/W (TYP)

OH F O

TRAFFIC CONTROL SIGNAL
CTH B & IH 94 EB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO.: TEMP CONTROLLER TYPE: TEMP

OCTOBER 2022 PAGE 6 OF 8

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4	SHEET 102	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS - RAMPS\024201-ST_4_SOUTH.DWG
LAYOUT NAME - 024201_st_94E

PLOT DATE : 7/27/2023 5:00 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- SPAN WIRE
- WOOD POLE, CLASS 4
- SIGNAL HEAD, OVERHEAD MOUNT
- TEMPORARY SIGNAL BASE
- LUMINAIRE
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- R RED ARROW
- FY Y YELLOW ARROW
- LANE DESIGNATION FOR INFO ONLY
- NON-INTRUSIVE DETECTION AREA
- WORK AREA

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

PLACE TEMPORARY QUEUE DETECTION IN EXISTING LOCATION APPROXIMATELY 650 FEET FROM INTERSECTION

FOR NON-INTRUSIVE DETECTION ZONE

N

WP1 WP2 WP3 WP4 WP5 WP6

IH 94 EB OFF RAMP

IH 94 EB ON RAMP

CTH B

SPEED LIMIT 35

Ø1 Ø2 Ø4 Ø5 Ø6

408+00'SB' 409+00'SB' 410+00'SB' 411+00'SB' 412+00'SB' 413+00'SB'

408+00'NB' 409+00'NB' 410+00'NB' 411+00'NB' 412+00'NB' 413+00'NB'

273+00'SW" 273+00'SE" 274+00'SW"

R/W (TYP)

TRAFFIC CONTROL SIGNAL
CTH B & IH 94 EB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO.: TEMP CONTROLLER TYPE: TEMP

OCTOBER 2022 PAGE 7 OF 8

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TEMPORARY TRAFFIC SIGNAL PLAN - POSTCONSTRUCTION	SHEET 103	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS - RAMPS\024201-ST_POST.DWG
LAYOUT NAME - 024201_st_94E

PLOT DATE : 10/31/2022 3:40 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	4,5,6	R
Ø3		
Ø4	10,11,12,13,14	R
Ø5	7,8,9	R ←
Ø6	1,2,3	R
Ø7		
Ø8		
Ø2P		
Ø4P		
Ø6P		
Ø8P		
O.L.A		
O.L.B		
O.L.C	7,8,9	-
O.L.D		

O.L. ASSIGNMENTS
5+6

RING 1

NOT USED		NOT USED	
Ø1	Ø2	Ø3	Ø4

RING 2

	O.L. C	NOT USED	NOT USED
Ø5	Ø6	Ø7	Ø8

BARRIER

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	6	MIN	X
3				
4				X
5		2		X
6	X	2	MIN	X
7				
8				

SPECIAL OVERLAPS

	PROTECTED	PERMISSIVE
O.L.A		
O.L.B		
O.L.C	5	6
O.L.D		

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	X

TYPE OF INTERCONNECT COMMUNICATION	
NONE	X
CLOSED LOOP FIBER OPTIC	
FIBER OPTIC NETWORK	
INTERSECTION ONLY (CELL MODEM)*	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM *:	

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
2	5 OR 6	4
4		2,5,6
5	2	4,6
6	2	4,5

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
PREEMPTION CHANNEL	1	2	3	4
MOVEMENT	←	→	↓	
DIRECTION	SB	NB	EB	
PHASE	2+5	6	4	

AFTER PREEMPTION SEQUENCE A OR B, CONTROLLER SHALL RETURN TO PHASES 2+6.

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. WHEN ONE PHASE IS ON ALONE, ANY NON-CONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL. (SEE CHART 1).

DETECTOR LOGIC

LOOP NUMBER	DETECTOR NUMBER	AMPLIFIER CHANNEL NUMBER	DETECTOR OPERATION			PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	LOOP SIZE (FEET)	NUMBER OF TURNS
			CALLS AND EXTENDS	CALLS ONLY	EXTENDS ONLY							
21			X			2	2					
41			(QUEUE)	X		4			8 SEC			
42			X			4	4					
43			X			4	4					
51			X			5	5					
61			X			6	6					

TRAFFIC CONTROL SIGNAL
CTH B & IH 94 EB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

CONTROLLER TYPE: TEMP

OCTOBER 2022 PAGE 8 OF 8

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TEMPORARY SEQUENCE OF OPERATIONS	SHEET NO: 104	E

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE (WISDOT OWNED)
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE (MUNICIPAL OWNED)
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- LOOP DETECTOR IN 1" PVC CONDUIT WITH JUNCTION BOX
- PULL BOX STEEL, 24" X 36"
- PULL BOX STEEL, 12" X 24"
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY) (Y) YELLOW ARROW
- SIGNAL HEAD WITH RETROREFLECTIVE BACKPLATE
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- LANE DESIGNATION FOR INFO ONLY
- RAMP GATE
- SOLAR POWER SYSTEM
- XX VIDEO CAMERA

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

N

CONSTRUCTION NOTES:
1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. INSTALL SALVAGED TRAFFIC SIGNAL STANDARD, PEDESTAL BASE, SIGNAL INDICATIONS, BACKPLATES, AND SIGNAL MOUNTING HARDWARE ON NEW TYPE 1 CONCRETE BASE SB2.
4. INSTALL SALVAGED TYPE 2 POLE, TROMBONE ARM, TRANSFORMER BASE, SIGNAL INDICATIONS, BACKPLATES, AND SIGNAL MOUNTING HARDWARE ON NEW TYPE 2 CONCRETE BASE SB3.
5. INSTALL SALVAGED TRAFFIC SIGNAL STANDARD, PEDESTAL BASE, SIGNAL INDICATIONS, BACKPLATES, AND SIGNAL MOUNTING HARDWARE ON NEW TYPE 1 CONCRETE BASE SB10.
6. EXISTING CONDUIT SHOULD ONLY BE REPLACED IF IMPACTED OR DAMAGED DURING CONSTRUCTION ACTIVITIES.

NOTE: LOOPS 42, 44 AND 45 NOT USED

THE R/W IS OUTSIDE THE SHEET LIMITS IN THIS QUADRANT

THE R/W IS OUTSIDE THE SHEET LIMITS IN THIS QUADRANT

THE R/W IS OUTSIDE THE SHEET LIMITS IN THIS QUADRANT

CTH B

IH 94 EB OFF RAMP

IH 94 EB ON RAMP

MATCHLINE 407+50"SB"

408+00"SB" 409+00"SB" 410+00"SB" 411+00"SB" 412+00"SB" 413+00"SB"

408+00"NB" 409+00"NB" 410+00"NB" 411+00"NB" 412+00"NB" 413+00"NB"

266+00"SW"

272+00"SW"

273+00"SW"

273+00"SE"

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6

PB1 PB2 PB3 PB4 PB5 PB6 PB7 PB8 PB9 PB10 PB11 PB12 PB13 PB14 PB15 PB16

SB1 SB2 SB3 SB4 SB5 SB6 SB7 SB8 SB9 SB10 SB11

CB1

6'x20' 3 TURNS 62

220' TO NEAR RIGHT SIGNAL

10'x20' 5 TURNS 41

QUEUE DETECTOR

7'x10' 42

6'x6' 4 TURNS 43

9'x20' 3 TURNS 43

6'x6' 44

6'x20' 3 TURNS 51 52

6'x18' 4 TURNS 21

1-2" CONDUIT TO TA VAULT

1-2" CONDUIT FOR SIGNAL INTERCONNECT TO I94 EB RAMPS

1-2" TO ITS CAMERA

CONDUIT FROM CABINET
2-3"
3-2"
2-1" STUBBED

ENSURE CONDUIT IS NOT IMPACTED DURING CONSTRUCTION

ENSURE CONDUIT IS NOT IMPACTED DURING CONSTRUCTION

ADJUST PULL BOX

SPEED LIMIT 45

SPEED LIMIT 45

FO

OH

25'

1-3" 2-3" 1-2" 6'x20' 6'x6' 9'x20' 3 TURNS

REVISION

REV. NO.	
2	RELOCATE SB2, SB3, & SB10, REMOVE SIGNAL HEADS 7, 10, 12, & 14, AND INSTALL NEW LOOP DETECTORS AT LOOPS 61 & 62.

APPROVALS

REGION		CENTRAL OFFICE	
DATE	BY	DATE	BY

CHANGED HEADS TO 4-SECTION FYA, BEGAN FYA OPERATION WITH SHPL & RETROREFLECTIVE BACKPLATES ON 9-9-20.
CHANGED MMU ON 2-2-15.
CHANGED CONTROLLER ON 10-9-13.
BEGAN SIGNAL OPERATION 10-18-06.

TRAFFIC CONTROL SIGNAL

CTH B & IH 94 EB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO. S 17-1033
CABINET TYPE: TS1
CONTROLLER TYPE: ASC/3

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER

APPROVED
DATE _____ STATE TRAFFIC ENGINEER

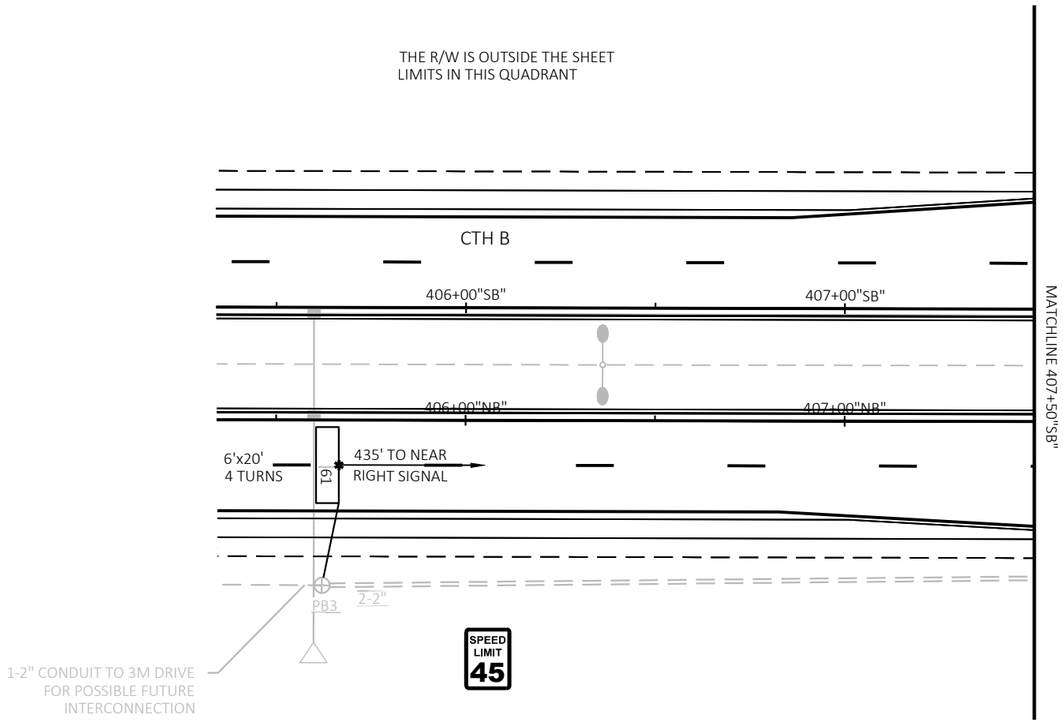
REGION CONTACT: DAVID FENSKE
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY: KL ENGINEERING

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC SIGNAL PLAN	SHEET 105	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - TS_I94 EB Ramps
PLOT DATE : 10/31/2022 2:00 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N



TRAFFIC CONTROL SIGNAL
CTH B & IH 94 EB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO. S 17-1033

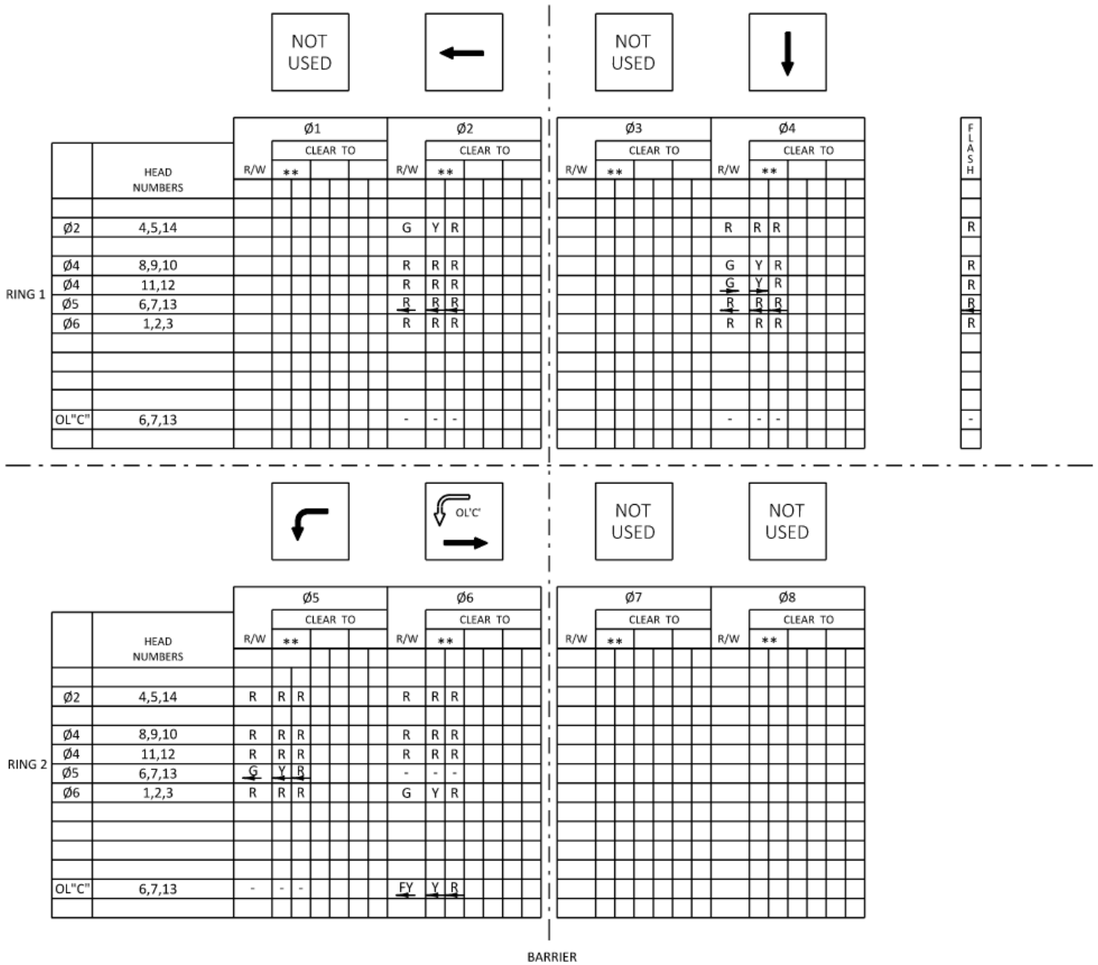
REGION CONTACT: DAVID FENSKE
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY: KL ENGINEERING

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC SIGNAL PLAN	SHEET 106	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - TS_I94 EB Ramps p2

PLOT DATE : 10/31/2022 2:00 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

SEQUENCE OF OPERATION



** CLEARANCE TO A PHASE IN CONFLICT WITH THIS PHASE ON (SEE CHART 1 BELOW)

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	6	MIN	X
3				
4				X
5		2		X
6	X	2	MIN	X
7				
8				

SPECIAL OVERLAPS

	PROTECTED	PERMISSIVE
O.L.A		
O.L.B		
O.L.C	5	6
O.L.D		

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
PREEMPTION CHANNEL	1	2	3	4
MOVEMENT	←	→	↓	
DIRECTION	SB	NB	EB	
PHASE	2+5	6	4	

AFTER PREEMPTION SEQUENCE A OR B, CONTROLLER SHALL RETURN TO PHASES 2+6.

TYPE OF LIGHTING	
BY OTHER AGENCY	X
*IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

*ONLY ONE LUMINAIRE ON EACH RAMP RADIUS FOR A TOTAL OF 2 FED FROM SIGNAL CABINET.

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	X
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	X

TYPE OF INTERCONNECT COMMUNICATION	
NONE	
CLOSED LOOP FIBER OPTIC	
FIBER OPTIC NETWORK	X
INTERSECTION ONLY (CELL MODEM)*	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM *:	SS-17-0151

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. WHEN ONE PHASE IS ON ALONE, ANY NON-CONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL. (SEE CHART 1).

N

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
2	5 OR 6	4
4		2,5,6
5	2	4,6
6	2	4,5

DETECTOR LOGIC

LOOP NUMBER	DETECTOR NUMBER	AMPLIFIER CHANNEL NUMBER	DETECTOR OPERATION			PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	LOOP SIZE (FEET)	NUMBER OF TURNS
			CALLS AND EXTENDS	CALLS ONLY	EXTENDS ONLY							
21	2	1	X			2	2				6X18	4
41		2	(QUEUE)	X		4			(X=8")		10X20	5
*42											7X10	
43	4	4	X			4	4				9X20	3
*44		3									6X20	
*45		3									6X6	
51	5	5	X			5	5				6X20	3
52	5	5	X			5	5				6X6	4
61	6	6	X			6	6				6X18	4
62	6	6	X			6	6				6X20	3

*WIRED IN CABINET FOR FUTURE USE

TRAFFIC CONTROL SIGNAL
CTH B & IH 94 EB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

CABINET TYPE: TS1
SIGNAL NO. S 17-1033 CONTROLLER TYPE: ASC/3
REGION CONTACT: DAVID FENSKE
DESIGNED BY: STRAND ASSOCIATES, INC PAGE 3 OF 3
REVISED BY: KL ENGINEERING

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	SEQUENCE OF OPERATIONS	SHEET NO: 107	E

PROJECT ID:	7996-00-43
INTERSECTION:	CTH B & I94 EB RAMPS

SIGNAL WIRE COLOR CODING	BLK-BLACK	RED-RED	GRN-GREEN
	WHT-WHITE	BLU-BLUE	ORG-ORANGE

DATE: Oct-22

2

CB1 TO	JUMPER	AWG 14 # OF COND.	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
				RED	YELLOW	GREEN	<RED>	<YELLOW>	<FLASH YEL>	<GREEN>	D/WALK	WALK		
SB2		12	7				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
SB3		12	14	RED	ORG	GRN								
			12	RED/BLK				ORG/BLK		GRN/BLK				
SB4		7	5	RED	ORG	GRN								
SB5		12	11	RED				ORG/BLK		GRN/BLK				
SB6		7	8	RED	ORG	GRN								
SB7		7	4	RED	ORG	GRN								
SB8		12	3	RED	ORG	GRN								
			6				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
SB9		7	2	RED	ORG	GRN								
SB10		7	10	RED	ORG	GRN								

NOTE: ONLY NEW CABLE RUNS ARE SHOWN.

EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
SB1	SB2
SB2	SB3
SB3	SB4
SB8	SB9
SB9	SB10
SB10	SB11

PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
PB4	SB2
PB14	SB9

LIGHTING UF 12 AWG W/ GROUND	
FROM	TO
CB1	SB5

EMERGENCY VEHICLE PREEMPT CABLE	
FROM	TO
CB1	SB4
CB1	SB9

NOTES:

1. USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
2. ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS.
3. REESTABLISH ALL EQUIPMENT GROUNDING CONDUCTORS AND PULL BOX BONDING AT SB2, SB3, SB4, SB5, SB6, SB7, SB8, SB9, SB10, PB4, & PB14 PER WISCONSIN ELECTRICAL CODE.

CTH B & IH 94 EASTBOUND RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO: S 17-1033
CABINET TYPE: TS1
CONTROLLER TYPE: ASC/3

DATE: OCTOBER 2022 PAGE NO. 1 OF 1

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE (WISDOT OWNED)
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE (MUNICIPAL OWNED)
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT SIDE PULL
- LOOP DETECTOR IN 1" PVC CONDUIT WITH JUNCTION BOX
- PULL BOX STEEL, 24" X 36"
- PULL BOX STEEL, 12" X 24"
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY) (Y) YELLOW ARROW
- SIGNAL HEAD WITH RETROREFLECTIVE BACKPLATE
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- LANE DESIGNATION FOR INFO ONLY
- RAMP GATE
- SOLAR POWER SYSTEM
- XX VIDEO CAMERA

N

NOTE: GRAYSHADE REPRESENTS EXISTING ITEMS TO REMAIN
BOLD REPRESENTS ITEMS TO BE REMOVED, SALVAGED, OR ABANDONED

IH 94 WB ON RAMP

272+00"NW"

THE R/W IS OUTSIDE THE SHEET LIMITS IN THIS QUADRANT

THE R/W IS OUTSIDE THE SHEET LIMITS IN THIS QUADRANT

SPEED LIMIT 45

ENSURE CONDUIT IS NOT IMPACTED DURING CONSTRUCTION

CONDUIT FOR SIGNAL INTERCONNECT TO I94 EB RAMPS

CTH B

417+00 418+00 419+00 420+00 421+00 422

MATCHLINE 422+00"NB"

PB1 PB2 PB3 PB4 PB5 PB6 PB7 PB8 PB9 PB10 PB11 PB12 PB14

SB1 SB2 SB3 SB4 SB5 SB6 SB7 SB8 SB9 SB10 SB11

CB1

OH

25' 20' 15' 10' 12' 8' 6' 4'

QUEUE DETECTOR

IH 94 WB OFF RAMP

273+00"NE"

274+00"NE"

EXISTING R/W

THE R/W IS OUTSIDE THE SHEET LIMITS IN THIS QUADRANT

SPEED LIMIT 45

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. SALVAGE TRAFFIC SIGNAL STANDARD, PEDESTAL BASE, SIGNAL INDICATIONS, BACKPLATES, AND SIGNAL MOUNTING HARDWARE AT SB8 AND REINSTALL AT NEW SB8 (SEE PERMANENT SIGNAL PLAN).
3. SALVAGE TRAFFIC SIGNAL STANDARD, PEDESTAL BASE, SIGNAL INDICATIONS, BACKPLATES, AND SIGNAL MOUNTING HARDWARE AT SB9 AND REINSTALL AT NEW SB9 (SEE PERMANENT SIGNAL PLAN).
4. SALVAGE TYPE 2 POLE, TROMBONE ARM, TRANSFORMER BASE, SIGNAL INDICATIONS, BACKPLATES, AND SIGNAL MOUNTING HARDWARE AT SB10 AND REINSTALL AT NEW SB10 (SEE PERMANENT SIGNAL PLAN).
5. SEE TEMPORARY TRAFFIC SIGNAL PLAN FOR STAGED REMOVAL SCHEDULE. TRAFFIC SIGNAL OPERATIONS ARE TO BE MAINTAINED THROUGHOUT CONSTRUCTION.
6. REMOVE AND DISPOSE OF EXISTING UNUSED TRAFFIC SIGNAL CABLES FROM CONDUIT SYSTEM
7. EXISTING CONDUIT RUNS NO LONGER USED TO BE ABANDONED IN PLACE. ALL EXISTING CONDUIT THAT IS NOT IMPACTED OR DAMAGED DURING CONSTRUCTION, SHOULD REMAIN IN USE.

SIGNAL PLANS PREPARED BY

KL Engineering

WISCONSIN
KELLY TRAC
E-43035
MADISON
WI
PROFESSIONAL ENGINEER

07/28/2023 (DATE)

Kelly Trac (SIGNATURE)

TRAFFIC CONTROL SIGNAL
CTH B & IH 94 WB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO. S 17-1034

REGION CONTACT: DAVID FENSKE
DESIGNED BY:
REVISED BY: KL ENGINEERING

PAGE 1 OF 2

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 109	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\024201-SR.DWG
LAYOUT NAME - IH 94 WB

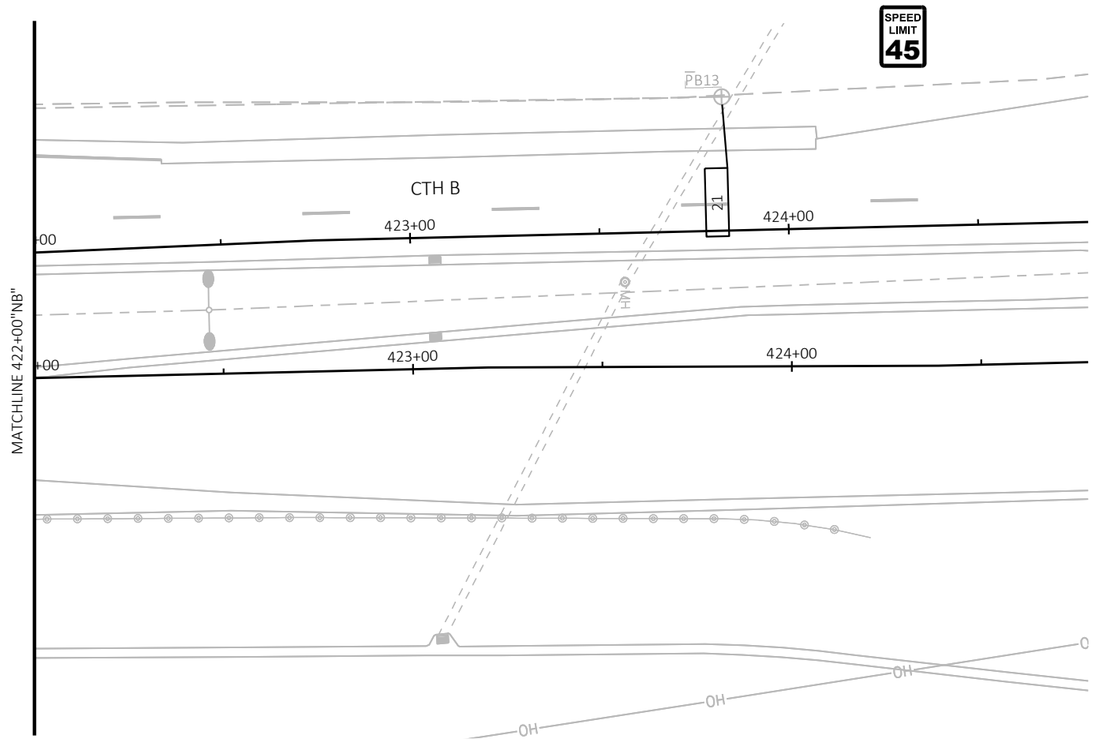
PLOT DATE : 7/28/2023 8:47 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N



THE R/W IS OUTSIDE THE SHEET
LIMITS IN THIS QUADRANT

TRAFFIC CONTROL SIGNAL
CTH B & IH 94 WB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO. S 17-1034

REGION CONTACT: DAVID FENSKE
DESIGNED BY:
REVISED BY: KL ENGINEERING

PAGE 2 OF 2

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 110	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\024201-SR.DWG
LAYOUT NAME - IH 94 WB p2

PLOT DATE : 7/28/2023 8:47 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- SPAN WIRE
- WOOD POLE, CLASS 4
- SIGNAL HEAD, OVERHEAD MOUNT
- TEMPORARY SIGNAL BASE
- LUMINAIRE
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- R RED ARROW
- FY Y YELLOW ARROW
- LANE DESIGNATION FOR INFO ONLY
- NON-INTRUSIVE DETECTION AREA
- WORK AREA

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

THE R/W IS OUTSIDE THE SHEET LIMITS IN THIS QUADRANT

N

IH 94 WB ON RAMP

272+00'NW'

273+00'NW'

R/W (TYP)

SPEED LIMIT 35

CTH B

Ø2

Ø1

Ø6

Ø8

WP3

WP4

WP2

WP1

WP5

WP6

16+00'SB' 417+00'SB' 418+00'SB' 419+00'SB' 420+00'SB' 421+00'SB' 422+00'SB'

16+00'NB' 417+00'NB' 418+00'NB' 419+00'NB' 420+00'NB' 421+00'NB' 422+00'NB'

SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY	
QUANTITY	DESCRIPTION
6 EA	WOOD POLES, CLASS 4
1 EA	TEMPORARY SIGNAL BASE
1650 LF	SPAN WIRE
14 EA	TRAFFIC SIGNAL FACES (VERTICAL)
4 EA	LIGHTING LED-C
1 LS	NON-INTRUSIVE VEHICLE DETECTION SYSTEM INCLUDING QUEUE DETECTION

ITEM	-	STATION	-	OFFSET
WP1	-	272+85'NE'	-	37.5'LT
WP2	-	273+03'NE'	-	46.2'RT
WP3	-	272+44'NW'	-	46.4'RT
WP4	-	272+76'NW'	-	36.7'LT
WP5	-	275+52'NE'	-	35.9'RT
WP6	-	278+02'NE'	-	35.9'RT

FOR NON-INTRUSIVE DETECTION ZONE

IH 94 WB OFF RAMP

8+00'NE'

PLACE TEMPORARY QUEUE DETECTION IN EXISTING LOCATION APPROXIMATELY 650 FEET FROM INTERSECTION

CONSTRUCTION NOTES:

1. FINAL LOCATION OF WOOD POLES AND SIGNAL HEADS SHALL BE DIRECTED BY THE ENGINEER.
2. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
3. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER. ADJUSTMENTS TO GUY WIRES BETWEEN STAGES MAY BE NECESSARY AND ARE INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL BID ITEM.
4. CONTRACTOR TO ADJUST TEMPORARY SIGNALS WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
5. ANY KNOCKDOWNS TO TEMPORARY SIGNAL EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
6. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
7. ADJUST DETECTION ZONES AS REQUIRED BY THE ENGINEER TO ACCOUNT FOR CHANGES IN LANE CONFIGURATION.
8. TEMPORARY DETECTORS SHALL BE MOUNTED AT THE HEIGHT RECOMMENDED BY THE MANUFACTURER IN THE SPECIFICATIONS.
9. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
10. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.

TRAFFIC CONTROL SIGNAL

CTH B & IH 94 WB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO.: TEMP CONTROLLER TYPE: TEMP

JULY 2023 PAGE 1 OF 8

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TEMPORARY TRAFFIC SIGNAL PLAN - PRECONSTRUCTION	SHEET 111	E

2

LEGEND

- SPAN WIRE
- WOOD POLE, CLASS 4
- SIGNAL HEAD, OVERHEAD MOUNT
- TEMPORARY SIGNAL BASE
- LUMINAIRE
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- R RED ARROW
- FY Y YELLOW ARROW
- LANE DESIGNATION FOR INFO ONLY
- NON-INTRUSIVE DETECTION AREA
- WORK AREA

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

THE R/W IS OUTSIDE THE SHEET LIMITS IN THIS QUADRANT

N

IH 94 WB ON RAMP

272+00"NW"

273+00"NW"

R/W (TYP)

SPEED LIMIT 35

WP3

WP4

CTH B

Ø2

Ø1

Ø6

Ø8

16+00'SB'

417+00'SB'

418+00'SB'

419+00'SB'

420+00'SB'

421+00'SB'

422+00'SB'

16+00'NB'

417+00'NB'

418+00'NB'

419+00'NB'

420+00'NB'

421+00'NB'

422+00'NB'

THE R/W IS OUTSIDE THE SHEET LIMITS IN THIS QUADRANT

SPEED LIMIT 35

WP2

WP1

272+00"NE"

IH 94 WB OFF RAMP

FOR NON-INTRUSIVE DETECTION ZONE

WP5

WP6

8+00"NE"

PLACE TEMPORARY QUEUE DETECTION IN EXISTING LOCATION APPROXIMATELY 650 FEET FROM INTERSECTION

TRAFFIC CONTROL SIGNAL
CTH B & IH 94 WB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO.: TEMP | CONTROLLER TYPE: TEMP

JULY 2023 | PAGE 2 OF 8

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1A	SHEET 112	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS - RAMPS\024201-ST_1A.DWG
LAYOUT NAME - 024201_st_94W

PLOT DATE : 7/17/2023 8:59 AM | PLOT BY : KL ENGINEERING | PLOT NAME : | PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- SPAN WIRE
- WOOD POLE, CLASS 4
- SIGNAL HEAD, OVERHEAD MOUNT
- TEMPORARY SIGNAL BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- R RED ARROW
- FY Y YELLOW ARROW
- LANE DESIGNATION FOR INFO ONLY
- NON-INTRUSIVE DETECTION AREA
- WORK AREA

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

THE R/W IS OUTSIDE THE SHEET LIMITS IN THIS QUADRANT

THE R/W IS OUTSIDE THE SHEET LIMITS IN THIS QUADRANT

FOR NON-INTRUSIVE DETECTION ZONE

PLACE TEMPORARY QUEUE DETECTION IN EXISTING LOCATION APPROXIMATELY 650 FEET FROM INTERSECTION

IH 94 WB ON RAMP

IH 94 WB OFF RAMP

CTH B

R/W (TYP)

SPEED LIMIT 35

SPEED LIMIT 35

WP1 WP2 WP3 WP4 WP5 WP6

Ø1 Ø2 Ø6 Ø8

16+00'SB' 417+00'SB' 418+00'SB' 419+00'SB' 420+00'SB' 421+00'SB' 422+00'SB'

16+00'NB' 417+00'NB' 418+00'NB' 419+00'NB' 420+00'NB' 421+00'NB' 422+00'NB'

272+00"NW" 273+00"NW" 272+00"NE" 8+00"NE"

TRAFFIC CONTROL SIGNAL
CTH B & IH 94 WB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO.: TEMP CONTROLLER TYPE: TEMP

JULY 2023 PAGE 3 OF 8

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1B	SHEET 113	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS - RAMPS\024202-ST_1B.DWG
LAYOUT NAME - 024201_st_94W

PLOT DATE : 7/17/2023 8:59 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- SPAN WIRE
- WOOD POLE, CLASS 4
- SIGNAL HEAD, OVERHEAD MOUNT
- TEMPORARY SIGNAL BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- R RED ARROW
- Y YELLOW ARROW
- XX R Y G SIGNAL HEAD TO BE BAGGED
- LANE DESIGNATION FOR INFO ONLY
- NON-INTRUSIVE DETECTION AREA
- WORK AREA

THE R/W IS OUTSIDE THE SHEET LIMITS IN THIS QUADRANT

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

N

IH 94 WB ON RAMP

272+00"NW"

R/W (TYP)

SPEED LIMIT 35

WP3

WP4

Ø1

Ø6

Ø2

273+00"NW"

16+00'SB' 417+00'SB' 418+00'SB' 419+00'SB' 420+00'SB' 421+00'SB' 422+00'SB'

16+00'NB' 417+00'NB' 418+00'NB' 419+00'NB' 420+00'NB' 421+00'NB' 422+00'NB'

CTH B

THE R/W IS OUTSIDE THE SHEET LIMITS IN THIS QUADRANT

SPEED LIMIT 35

WP2

WP1

272+00"NE"

IH 94 WB OFF RAMP

FOR NON-INTRUSIVE DETECTION ZONE

WP5

Ø8

WP6

PLACE TEMPORARY QUEUE DETECTION IN EXISTING LOCATION APPROXIMATELY 650 FEET FROM INTERSECTION

TRAFFIC CONTROL SIGNAL
CTH B & IH 94 WB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO.: TEMP CONTROLLER TYPE: TEMP

JULY 2023 PAGE 4 OF 8

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET 114	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS - RAMPS\024205-ST_2_SOUTH.DWG
LAYOUT NAME - 04_94W

PLOT DATE : 7/17/2023 8:59 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- SPAN WIRE
- WOOD POLE, CLASS 4
- SIGNAL HEAD, OVERHEAD MOUNT
- TEMPORARY SIGNAL BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- R RED ARROW
- FY Y YELLOW ARROW
- LANE DESIGNATION FOR INFO ONLY
- NON-INTRUSIVE DETECTION AREA
- WORK AREA

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

THE R/W IS OUTSIDE THE SHEET LIMITS IN THIS QUADRANT

THE R/W IS OUTSIDE THE SHEET LIMITS IN THIS QUADRANT

FOR NON-INTRUSIVE DETECTION ZONE

PLACE TEMPORARY QUEUE DETECTION IN EXISTING LOCATION APPROXIMATELY 650 FEET FROM INTERSECTION

IH 94 WB ON RAMP

IH 94 WB OFF RAMP

CTH B

R/W (TYP)

SPEED LIMIT 35

SPEED LIMIT 35

WP1 WP2 WP3 WP4 WP5 WP6

Ø1 Ø2 Ø6 Ø8

16+00'SB' 417+00'SB' 418+00'SB' 419+00'SB' 420+00'SB' 421+00'SB' 422+00'SB'

16+00'NB' 417+00'NB' 418+00'NB' 419+00'NB' 420+00'NB' 421+00'NB' 422+00'NB'

272+00'NW' 273+00'NW' 272+00'NE' 8+00'NE'

TRAFFIC CONTROL SIGNAL
CTH B & IH 94 WB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO.: TEMP CONTROLLER TYPE: TEMP

JULY 2023 PAGE 5 OF 8

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3	SHEET 115	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS - RAMPS\024207-ST_3_SOUTH.DWG
LAYOUT NAME - 03_94W

PLOT DATE : 7/17/2023 9:00 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- SPAN WIRE
- WOOD POLE, CLASS 4
- SIGNAL HEAD, OVERHEAD MOUNT
- TEMPORARY SIGNAL BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- R RED ARROW
- FY Y YELLOW ARROW
- LANE DESIGNATION FOR INFO ONLY
- NON-INTRUSIVE DETECTION AREA
- WORK AREA

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

THE R/W IS OUTSIDE THE SHEET LIMITS IN THIS QUADRANT

N

IH 94 WB ON RAMP

272+00'NW'

R/W (TYP)

CTH B

Ø1

Ø2

Ø6

Ø8

416+00'SB' 417+00'SB' 418+00'SB' 419+00'SB' 420+00'SB' 421+00'SB' 422+00'SB'

416+00'NB' 417+00'NB' 418+00'NB' 419+00'NB' 420+00'NB' 421+00'NB' 422+00'NB'

SPEED LIMIT 35

WP1 WP2 WP3 WP4 WP5 WP6

273+00'NW'

274+00'NE'

IH 94 WB OFF RAMP

840'+NE

FOR NON-INTRUSIVE DETECTION ZONE

PLACE TEMPORARY QUEUE DETECTION IN EXISTING LOCATION APPROXIMATELY 650 FEET FROM INTERSECTION

TRAFFIC CONTROL SIGNAL
CTH B & IH 94 WB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO.: TEMP CONTROLLER TYPE: TEMP

JULY 2023 PAGE 6 OF 8

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4	SHEET 116	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS - RAMPS\024201-ST_4_SOUTH.DWG
LAYOUT NAME - 024201_st_94W

PLOT DATE : 7/28/2023 8:05 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- SPAN WIRE
- WOOD POLE, CLASS 4
- SIGNAL HEAD, OVERHEAD MOUNT
- TEMPORARY SIGNAL BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- R RED ARROW
- FY Y YELLOW ARROW
- LANE DESIGNATION FOR INFO ONLY
- NON-INTRUSIVE DETECTION AREA
- WORK AREA

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

THE R/W IS OUTSIDE THE SHEET LIMITS IN THIS QUADRANT

N

IH 94 WB ON RAMP

272+00'NW'

273+00'NW'

RW (TYP)

CTH B

SPEED LIMIT 35

WP3

WP4

WP1

WP2

WP5

WP6

16+00'SB' 417+00'SB' 418+00'SB' 419+00'SB' 420+00'SB' 421+00'SB' 422+00'SB'

16+00'NB' 417+00'NB' 418+00'NB' 419+00'NB' 420+00'NB' 421+00'NB' 422+00'NB'

Ø1 Ø2 Ø6 Ø8

THE R/W IS OUTSIDE THE SHEET LIMITS IN THIS QUADRANT

SPEED LIMIT 35

FOR NON-INTRUSIVE DETECTION ZONE

IH 94 WB OFF RAMP

272+00'NE'

8+00'NE'

PLACE TEMPORARY QUEUE DETECTION IN EXISTING LOCATION APPROXIMATELY 650 FEET FROM INTERSECTION

TRAFFIC CONTROL SIGNAL
CTH B & IH 94 WB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO.: TEMP CONTROLLER TYPE: TEMP

JULY 2023 PAGE 7 OF 8

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TEMPORARY TRAFFIC SIGNAL PLAN - POSTCONSTRUCTION	SHEET 117	E

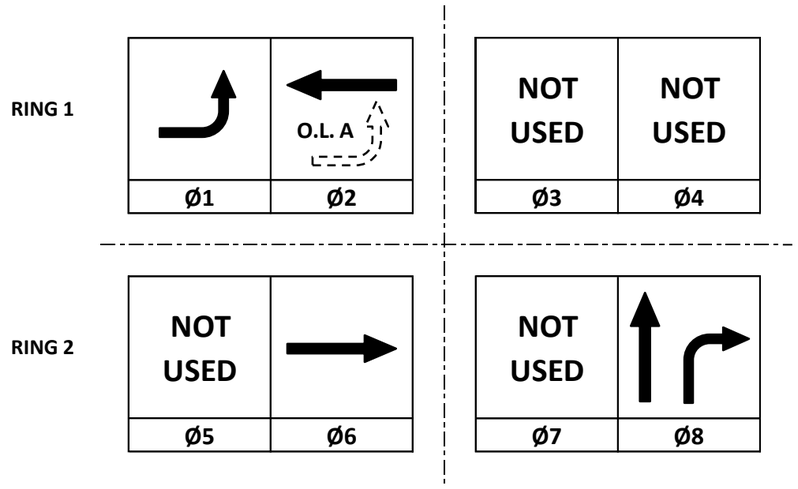
FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\TEMPORARY SIGNALS - RAMPS\024201-ST_POST.DWG
LAYOUT NAME - 024201_st_94W

PLOT DATE : 7/17/2023 9:00 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	4,5,6	R ←
Ø2	7,8,9	R
Ø3		
Ø4		
Ø5		
Ø6	1,2,3	R
Ø7		
Ø8	10,11,12,13,14	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		

			O.L. ASSIGNMENTS
O.L.A	4,5,6	-	1+2
O.L.B			
O.L.C			
O.L.D			



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3				
4				
5				
6	X	2	MIN	X
7				
8				X

SPECIAL OVERLAPS

	PROTECTED	PERMISSIVE
O.L.A	1	2
O.L.B		
O.L.C		
O.L.D		

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	X

TYPE OF INTERCONNECT	
NONE	X
CLOSED LOOP FIBER OPTIC	
FIBER OPTIC NETWORK	
INTERSECTION ONLY (CELL MODEM)*	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM *:	

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
1	6	2,8
2	6	1,8
6	1 OR 2	8
8		1,2,6

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
PREEMPTION CHANNEL	1	2	3	4
MOVEMENT	←	↱		↑
DIRECTION	SB	NB		WB
PHASE	2	1+6		8

AFTER PREEMPTION SEQUENCE A OR B, CONTROLLER SHALL RETURN TO PHASES 2+6.

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. WHEN ONE PHASE IS ON ALONE, ANY NON-CONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL. (SEE CHART 1).

N

DETECTOR LOGIC

LOOP NUMBER	DETECTOR NUMBER	AMPLIFIER CHANNEL NUMBER	DETECTOR OPERATION			PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	LOOP SIZE (FEET)	NUMBER OF TURNS
			CALLS AND EXTENDS	CALLS ONLY	EXTENDS ONLY							
11			X			1	1					
21			X			2	2					
61			X			6	6					
81			(QUEUE)	X		8			8 SEC			
82			X			8	8					
83			X			8	8					

TRAFFIC CONTROL SIGNAL
CTH B & IH 94 WB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

CONTROLLER TYPE: TEMP

OCTOBER 2022

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	SEQUENCE OF OPERATIONS	SHEET NO: 118	E

FILE NAME: G:\CBS Squared\CTH B\CTH B_South\Traffic\4_CTH B & WB Ramps\SOO\Temporary Signals\TS_I94 WB RAMPS_TEMP SEQ.xlsx PLOT DATE: 10/25/2022 PLOT NAME: TS_I94 WB RAMPS_TEMP SEQ.xlsx PLOT BY: KL ENGINEERING PLOT SCALE: 1:1

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE (WISDOT OWNED)
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE (MUNICIPAL OWNED)
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- LOOP DETECTOR IN 1" PVC CONDUIT WITH JUNCTION BOX
- PULL BOX STEEL, 24" X 36"
- PULL BOX STEEL, 12" X 24"
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- SIGNAL HEAD WITH RETROREFLECTIVE BACKPLATE
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- LANE DESIGNATION FOR INFO ONLY
- RAMP GATE
- SOLAR POWER SYSTEM
- XX VIDEO CAMERA

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

N

IH 94 WB ON RAMP

272+00"NW"

THE R/W IS OUTSIDE THE SHEET LIMITS IN THIS QUADRANT

THE R/W IS OUTSIDE THE SHEET LIMITS IN THIS QUADRANT

ENSURE CONDUIT IS NOT IMPACTED DURING CONSTRUCTION

SPEED LIMIT 45

ADJUST PULL BOX (IF NEEDED)

PB12

1-2" CONDUIT FOR SIGNAL INTERCONNECT TO I94 EB RAMPS

CTH B

Ø2

220' TO NEAR RIGHT SIGNAL

6'x20' 3 TURNS

PB10 PB11 PB14 PB9 PB4 PB3 PB1 PB2 PB5 PB6 PB7 PB8

SB5 SB6 SB7 SB8 SB9 SB10 SB4 SB3 SB2 SB11 SB1

1-3" 2-3"

417+00 418+00 419+00 420+00 421+00 422

Ø1

6'x6' 4 TURNS

6'x20' 3 TURNS

6'x18' 4 TURNS

Ø6

CTH B

SS

MATCHLINE 422+00"NB"

SPEED LIMIT 45

THE R/W IS OUTSIDE THE SHEET LIMITS IN THIS QUADRANT

NOTE: LOOPS 83 AND 84 NOT USED

CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. INSTALL SALVAGED TRAFFIC SIGNAL STANDARD, PEDESTAL BASE, SIGNAL INDICATIONS, BACKPLATES, AND SIGNAL MOUNTING HARDWARE ON NEW TYPE 1 CONCRETE BASE SB8.
4. INSTALL SALVAGED TRAFFIC SIGNAL STANDARD, PEDESTAL BASE, SIGNAL INDICATIONS, BACKPLATES, AND SIGNAL MOUNTING HARDWARE ON NEW TYPE 1 CONCRETE BASE SB9.
5. INSTALL SALVAGED TYPE 2 POLE, TROMBONE ARM, TRANSFORMER BASE, SIGNAL INDICATIONS, BACKPLATES, AND SIGNAL MOUNTING HARDWARE ON NEW TYPE 2 CONCRETE BASE SB10.
6. EXISTING CONDUIT SHOULD ONLY BE REPLACED IF IMPACTED OR DAMAGED DURING CONSTRUCTION ACTIVITIES.

I94 WB OFF RAMP

273+00"NE"

274+00"NE"

Ø8

QUEUE DETECTOR

10'x20' 5 TURNS

CONDUIT FROM CABINET
2-3"
3-2"
2-1" STUBBED

OH

R/W

REVISION				
REV. NO.	RELOCATE SB8, SB9, & SB10, REMOVE SIGNAL HEADS 4, 5, 12, 13, & 14, AND INSTALL NEW LOOP DETECTORS AT LOOPS 21 & 22.			
	APPROVALS			
2	REGION		CENTRAL OFFICE	
	DATE	BY	DATE	BY

CHANGED HEADS TO 4-SECTION FYA, BEGAN FYA OPERATION WITH SHPL & RETROREFLECTIVE BACKPLATES ON 9-8-20.
CHANGED MMU ON 2-2-15.
CHANGED CONTROLLER ON 10-9-13.
BEGAN SIGNAL OPERATION 10-17-06.

TRAFFIC CONTROL SIGNAL
CTH B & IH 94 WB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO. S 17-1034
CABINET TYPE: TS1
CONTROLLER TYPE: ASC/3

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER

APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT: DAVID FENSKE
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY: KL ENGINEERING

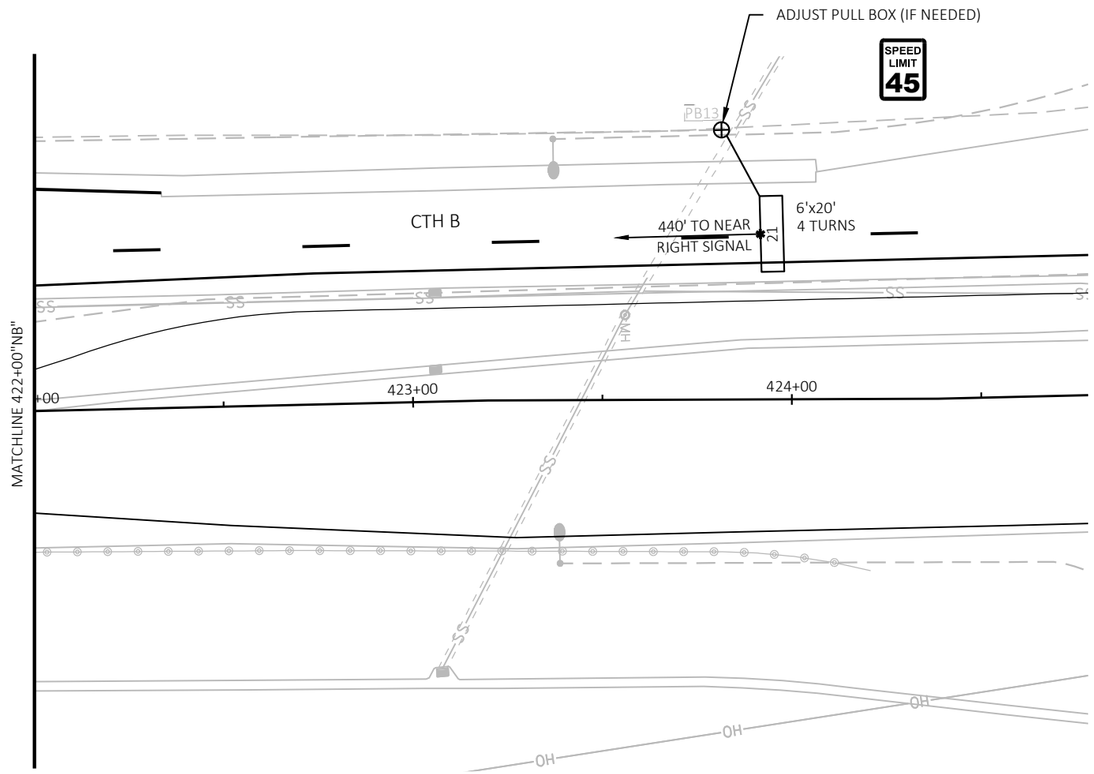
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC SIGNAL PLAN	SHEET 119	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - TS_I94 WB Ramps
PLOT DATE : 10/31/2022 3:02 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

N

2



THE R/W IS OUTSIDE THE SHEET LIMITS IN THIS QUADRANT

TRAFFIC CONTROL SIGNAL
CTH B & IH 94 WB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO. S 17-1034

REGION CONTACT: DAVID FENSKE
DESIGNED BY: STRAND ASSOCIATES, INC
REVISED BY: KL ENGINEERING

PAGE 2 OF 3

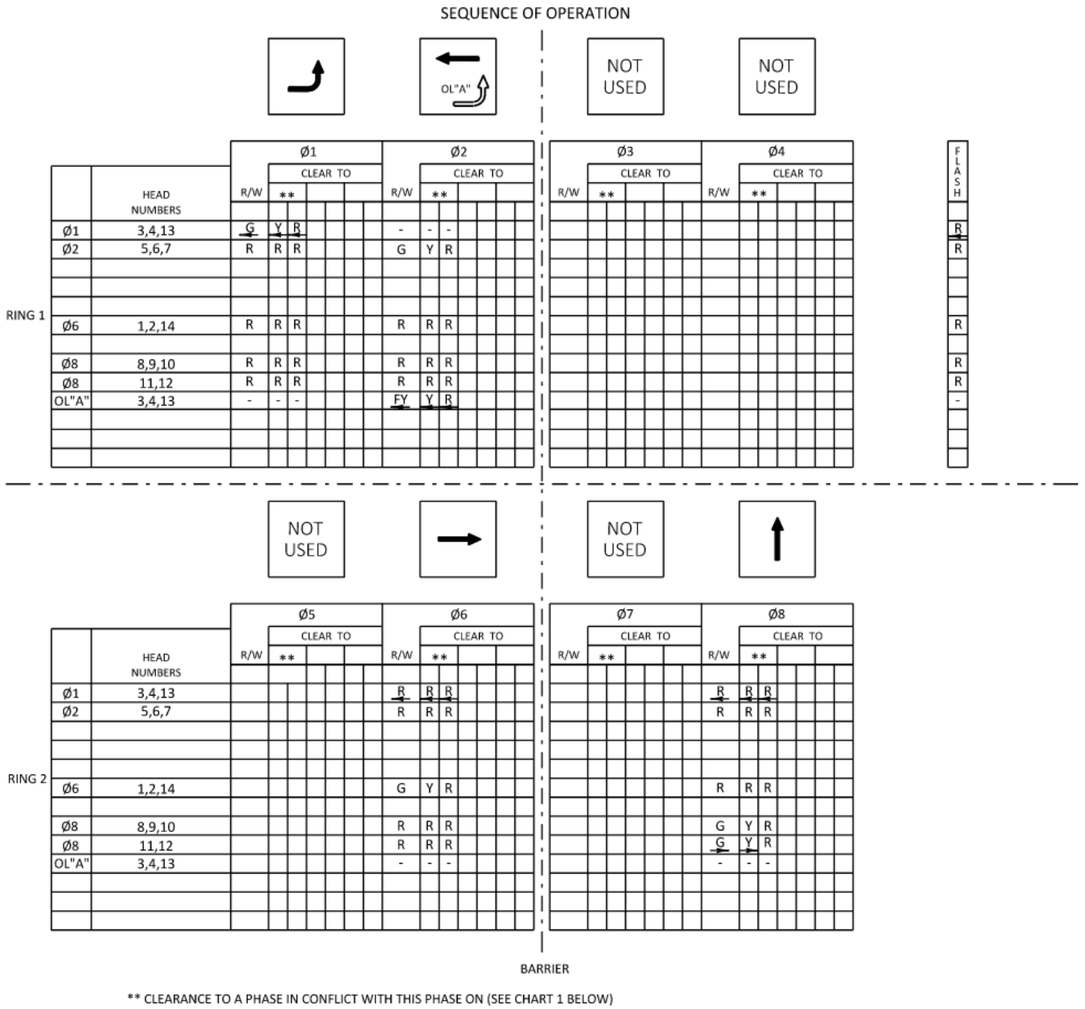
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC SIGNAL PLAN	SHEET 120	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - TS_I94 WB Ramps p2

PLOT DATE : 10/31/2022 3:02 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

SEQUENCE OF OPERATION



** CLEARANCE TO A PHASE IN CONFLICT WITH THIS PHASE ON (SEE CHART 1 BELOW)

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
1	6	2,8
2	6	1,8
6	1 OR 2	8
8		1,2,6

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3				
4				
5				
6	X	2	MIN	X
7				
8				X

SPECIAL OVERLAPS

	PROTECTED	PERMISSIVE
O.L.A	1	2
O.L.B		
O.L.C		
O.L.D		

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
PREEMPTION CHANNEL	1	2	3	4
MOVEMENT	←	↱		↰↑
DIRECTION	SB	NB		WB
PHASE	2	1+6		8

AFTER PREEMPTION SEQUENCE A OR B, CONTROLLER SHALL RETURN TO PHASES 2+6.

TYPE OF LIGHTING	
BY OTHER AGENCY	X
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	X
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	X

TYPE OF INTERCONNECT	
NONE	
CLOSED LOOP FIBER OPTIC	
FIBER OPTIC NETWORK	X
INTERSECTION ONLY (CELL MODEM)*	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM *:	SS-17-0151

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. WHEN ONE PHASE IS ON ALONE, ANY NON-CONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL. (SEE CHART 1).

N

DETECTOR LOGIC

LOOP NUMBER	DETECTOR NUMBER	AMPLIFIER CHANNEL NUMBER	DETECTOR OPERATION			PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	LOOP SIZE (FEET)	NUMBER OF TURNS
			CALLS AND EXTENDS	CALLS ONLY	EXTENDS ONLY							
11	1	1	X			1	1				6X20	3
12	1	1	X			1	1				6X6	4
21	2	2	X			2	2				6X18	4
22	2	2	X			2	2				6X20	3
61	6	3	X			6	6				6X18	4
81		4	(QUEUE)	X		8			(X=8")		10X20	5
82	8	5	X			8	8				9X20	3
*83		6									6X20	
*84		6									6X6	

*WIRED IN CABINET FOR FUTURE USE

TRAFFIC CONTROL SIGNAL
CTH B & IH 94 WB RAMPS
CITY OF MENOMONIE
DUNN COUNTY

CABINET TYPE: TS1
SIGNAL NO. S 17-1034 CONTROLLER TYPE: ASC/3
REGION CONTACT: DAVID FENSKE
DESIGNED BY: STRAND ASSOCIATES, INC PAGE 3 OF 3
REVISED BY: KL ENGINEERING

2

PROJECT ID:	7996-00-43
INTERSECTION:	CTH B & I94 WB RAMPS

SIGNAL WIRE COLOR CODING	BLK-BLACK	RED-RED	GRN-GREEN
	WHT-WHITE	BLU-BLUE	ORG-ORANGE

DATE: Oct-22

SC3 TO	JUMPER	AWG 14 # OF COND.	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
				RED	YELLOW	GREEN	<RED>	<YELLOW>	<FLASH YEL>	<GREEN>	D/WALK	WALK		
SB5		7	6	RED	ORG	GRN								
SB6		7	10	RED	ORG	GRN								
SB7		7	9	RED	ORG	GRN								
SB8		12	5	RED	ORG	GRN								
			13				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
SB9		12	4				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
SB10		12	14	RED	ORG	GRN								
			12	RED/BLK				ORG/BLK		GRN/BLK				

NOTE: ONLY NEW CABLE RUNS ARE SHOWN.

EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11

PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
PB14	SB9

LIGHTING UF 12 AWG W/ GROUND	
FROM	TO
CB1	SB7

EMERGENCY VEHICLE PREEMPT CABLE	
FROM	TO
CB1	SB5
CB1	SB7

VIDEO DETECTION CABLE	
FROM	TO
CB1	SB7

NOTES:

1. USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
2. ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS.
3. REESTABLISH ALL EQUIPMENT GROUNDING CONDUCTORS AND PULL BOX BONDING AT SB5, SB6, SB7, SB8, SB9, SB10, & PB12 PER WISCONSIN ELECTRICAL CODE.

CTH B & IH 94 WESTBOUND RAMPS
CITY OF MENOMONIE
DUNN COUNTY

SIGNAL NO: S 17-1034
CABINET TYPE: TS1
CONTROLLER TYPE: ASC/3
DATE: OCTOBER 2022
PAGE NO. 1 OF 1

2

LEGEND

- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- RAMP GATE
- SOLAR POWER SYSTEM

RAMP CLOSURE GATE SUMMARY

G-61-01	G-61-02 EXISTING
1 - RAMP CLOSURE GATES 1 - CONCRETE BASES TYPE 5 1 - TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE	1 - RAMP CLOSURE GATES 1 - CONCRETE BASES TYPE 5 1 - TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE

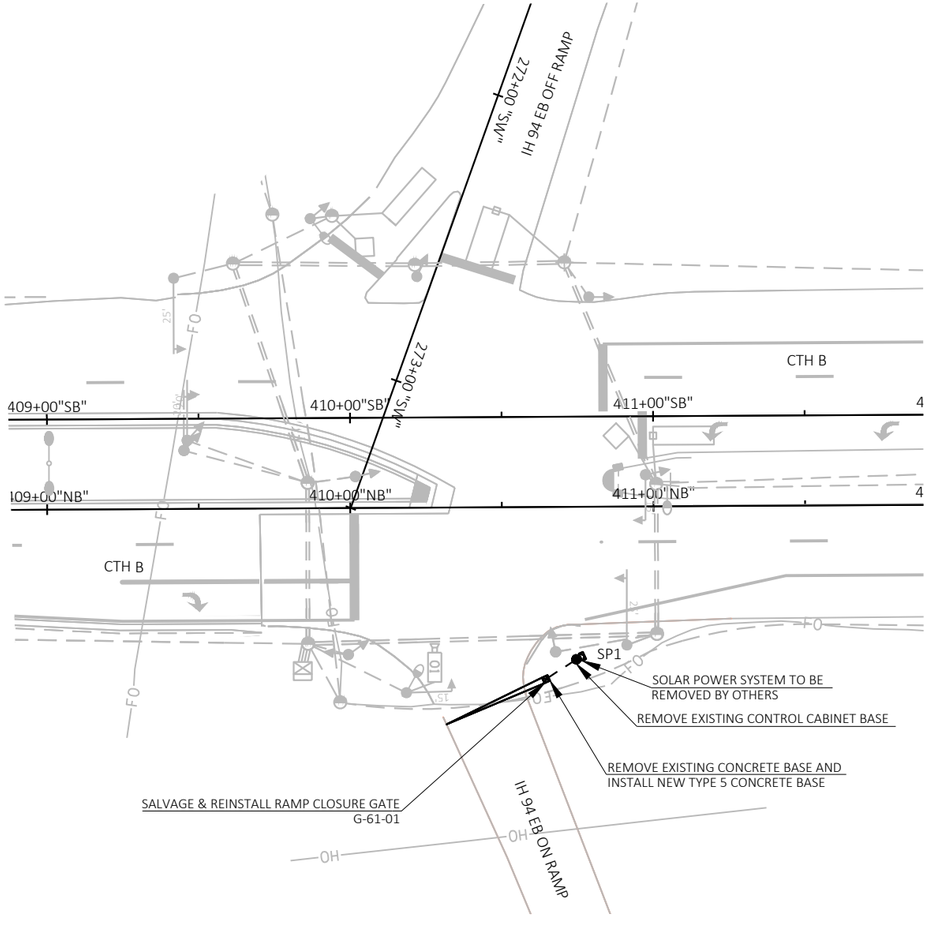
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CONSTRUCTION NOTES

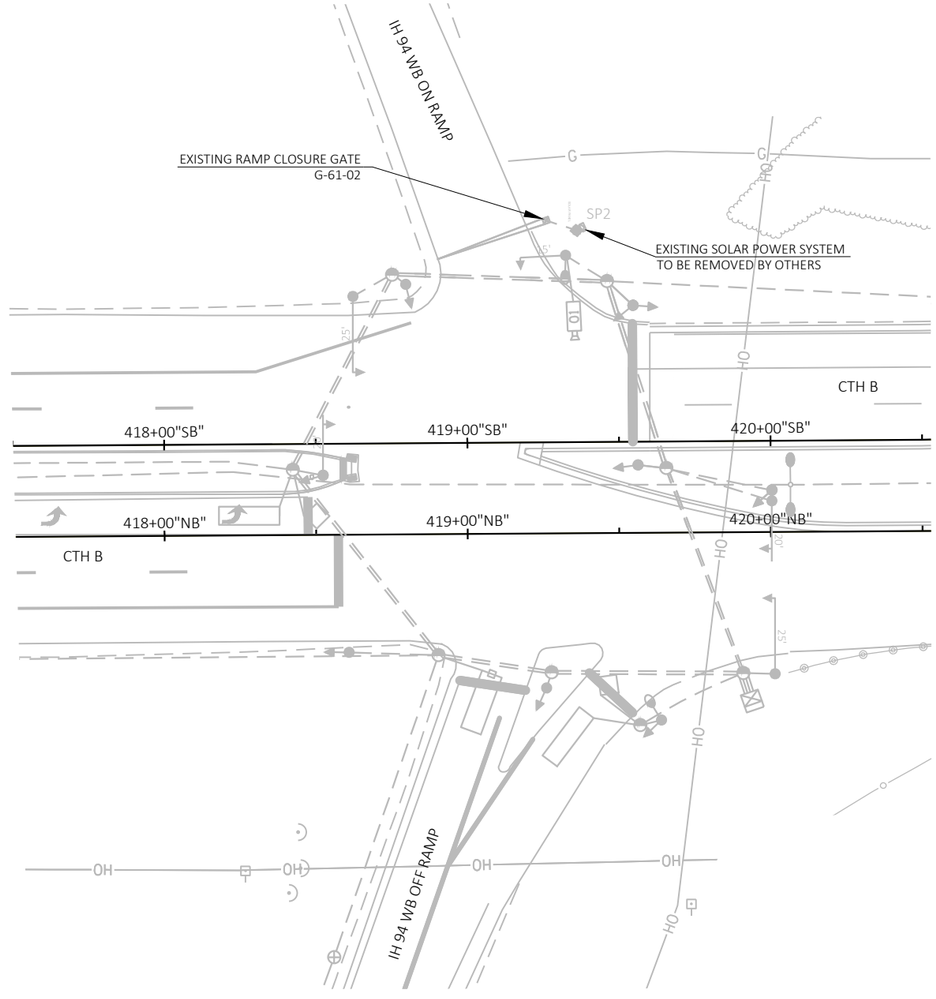
1.) THE LOCATIONS OF EXISTING AND PROPOSED INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

2.) NOTIFY THE NORTHWEST REGION ELECTRICAL UNIT AT (715) 577-3854 TO VERIFY RAMP GATE LOCATIONS 5 BUSINESS DAYS PRIOR TO POURING THE RAMP GATE CONCRETE BASE.

3.) DURING CONSTRUCTION, STAGE THREE TYPE III BARRICADES, ONE INCLUDING A RAMP CLOSED SIGN, AT THE CTH B & IH 94 EB RAMP INTERSECTION FOR RAMP CLOSURE USE.



CTH B & IH 94 EASTBOUND RAMPS



CTH B & IH 94 WESTBOUND RAMPS

RAMP CLOSURE GATES

CTH B & IH 94 RAMPS
CITY OF MENOMONIE
DUNN COUNTY

REGION CONTACT:
DESIGNED BY:
REVISED BY: KL ENGINEERING

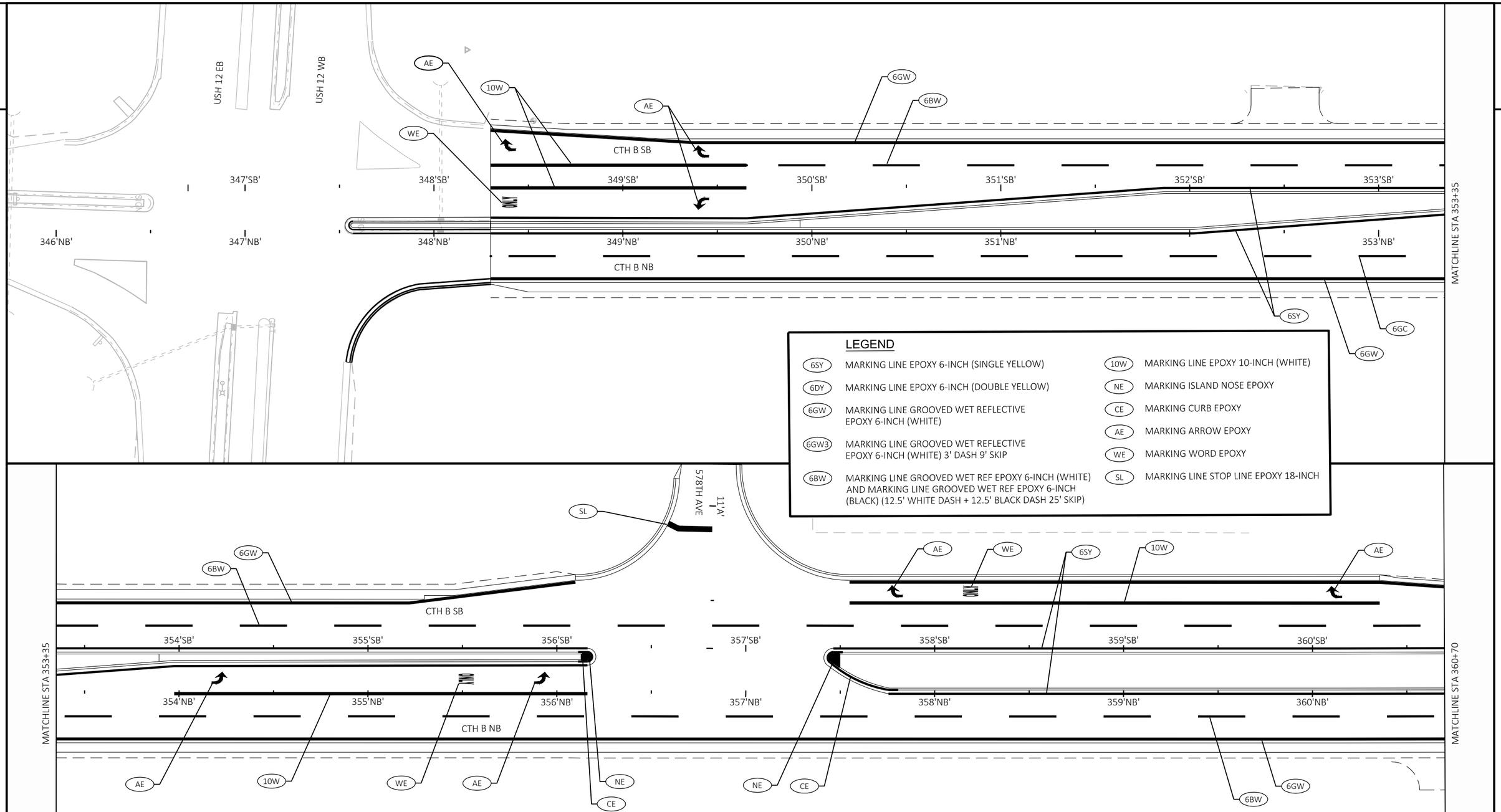
PAGE 1 OF 1

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	RAMP CLOSURE GATES	SHEET 123	E

FILE NAME : G:\CBS SQUARED\CTH B\CTH B_SOUTH\CIVIL 3D\SHEETSPLAN\024201-RG.DWG PLOT DATE : 11/28/2022 4:04 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

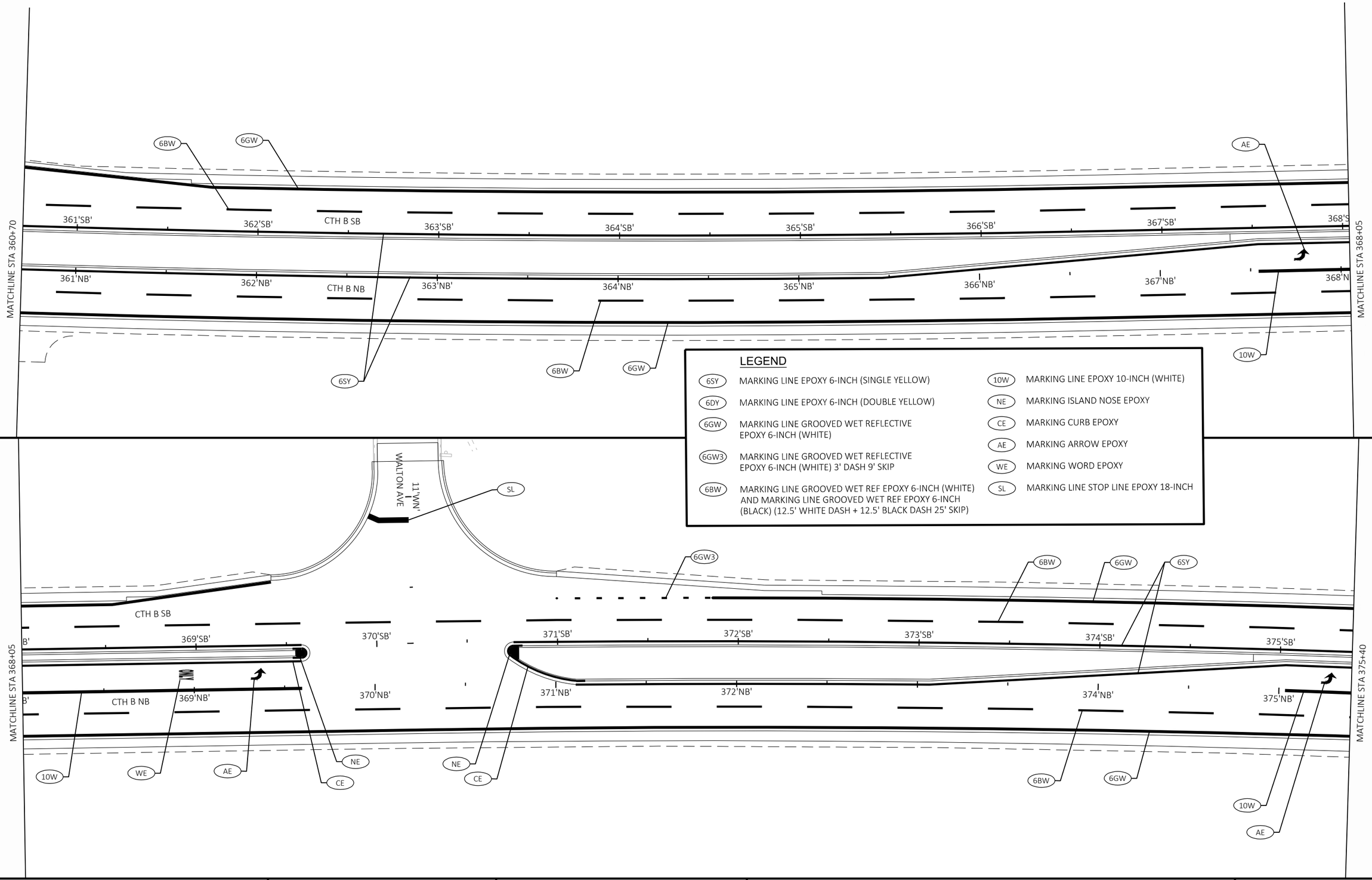
2



LEGEND

6SY	MARKING LINE EPOXY 6-INCH (SINGLE YELLOW)	10W	MARKING LINE EPOXY 10-INCH (WHITE)
6DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	NE	MARKING ISLAND NOSE EPOXY
6GW	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)	CE	MARKING CURB EPOXY
6GW3	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE) 3' DASH 9' SKIP	AE	MARKING ARROW EPOXY
6BW	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) AND MARKING LINE GROOVED WET REF EPOXY 6-INCH (BLACK) (12.5' WHITE DASH + 12.5' BLACK DASH 25' SKIP)	WE	MARKING WORD EPOXY
		SL	MARKING LINE STOP LINE EPOXY 18-INCH

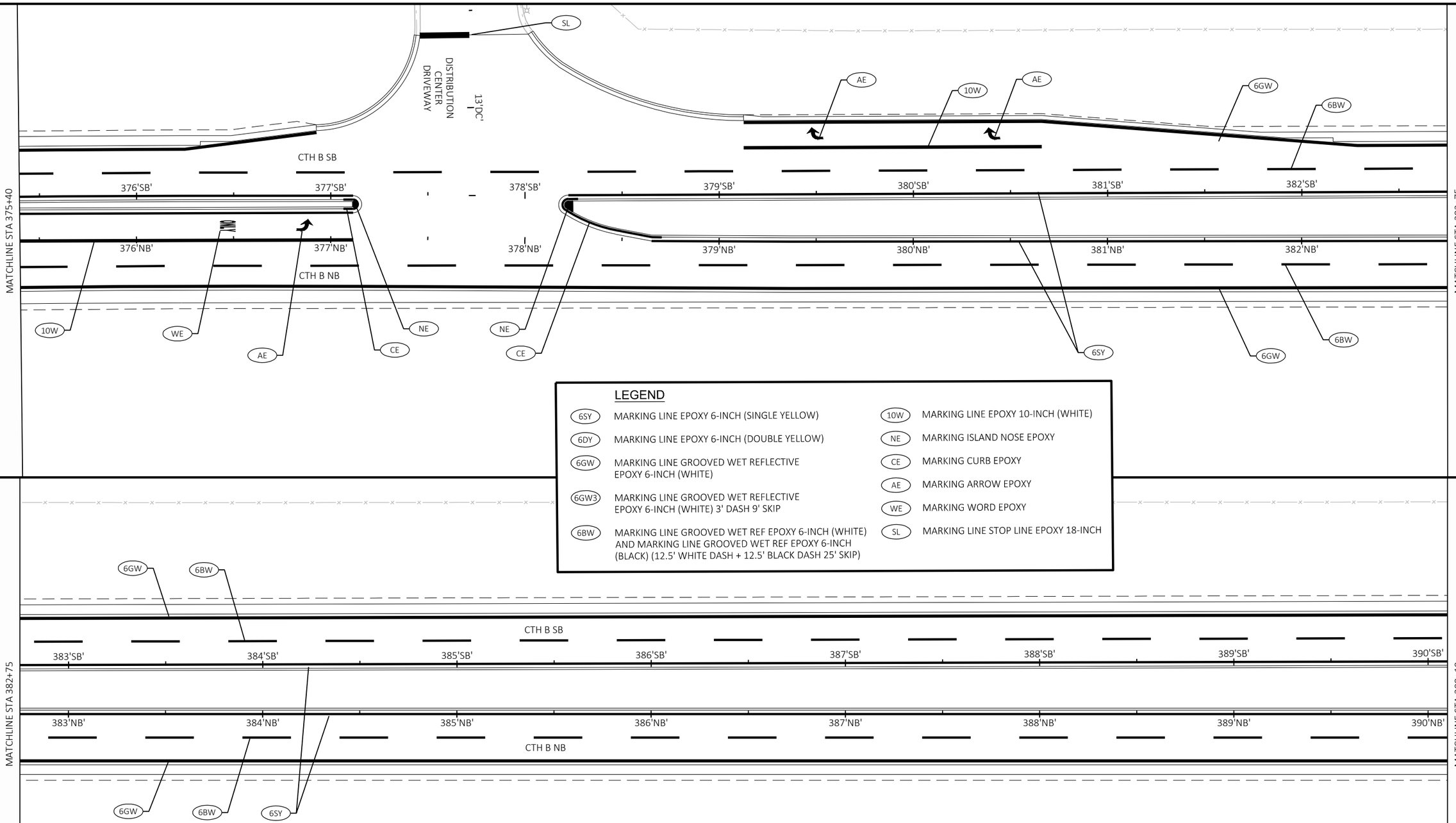
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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PAVEMENT MARKING	SHEET 125	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - PM-02

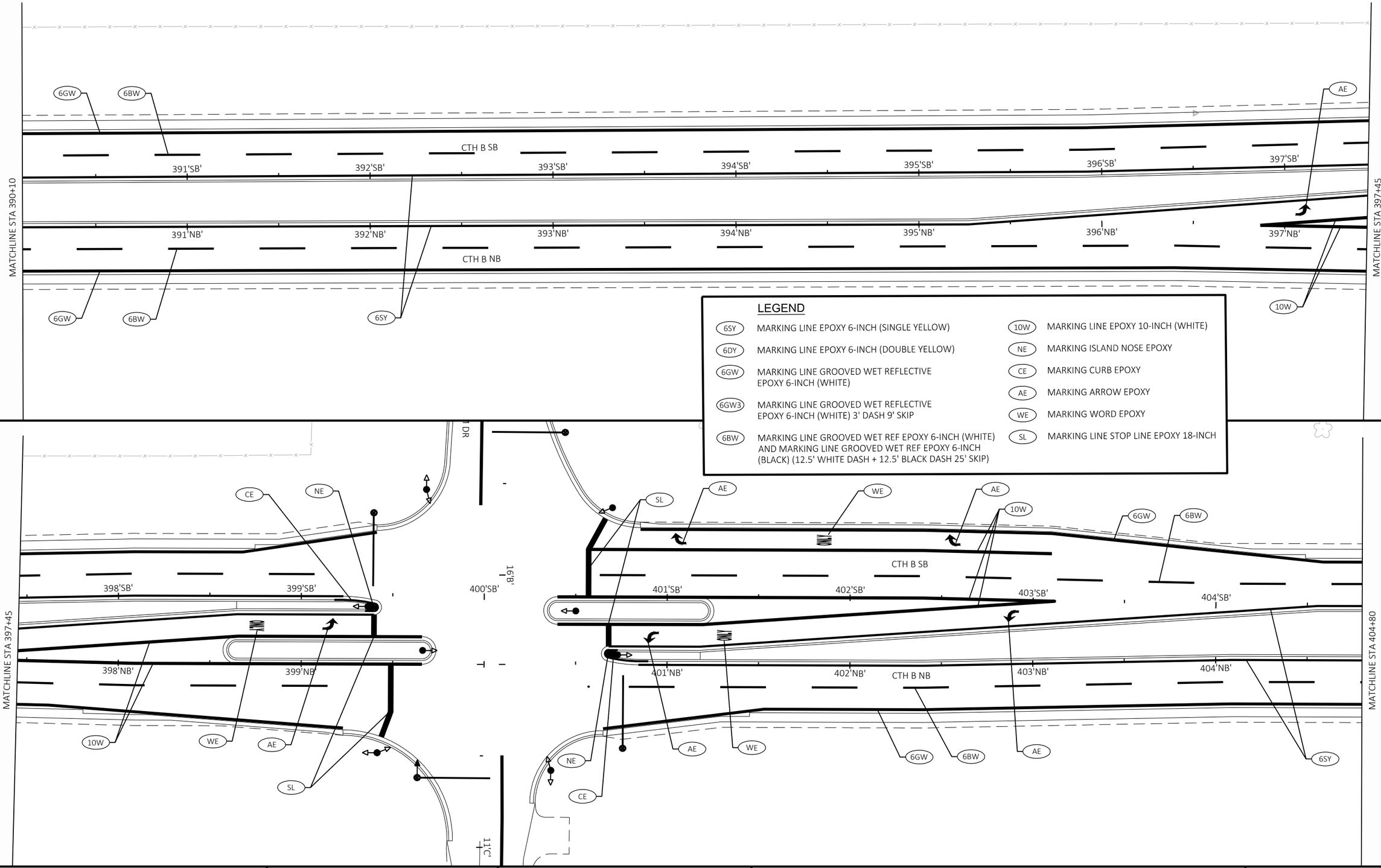
PLOT DATE : 7/21/2023 2:37 PM PLOT BY : ED OCHS PLOT NAME : PLOT SCALE : 1 IN:50 FT



LEGEND

6SY	MARKING LINE EPOXY 6-INCH (SINGLE YELLOW)
6DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
6GW	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
6GW3	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE) 3' DASH 9' SKIP
6BW	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) AND MARKING LINE GROOVED WET REF EPOXY 6-INCH (BLACK) (12.5' WHITE DASH + 12.5' BLACK DASH 25' SKIP)
10W	MARKING LINE EPOXY 10-INCH (WHITE)
NE	MARKING ISLAND NOSE EPOXY
CE	MARKING CURB EPOXY
AE	MARKING ARROW EPOXY
WE	MARKING WORD EPOXY
SL	MARKING LINE STOP LINE EPOXY 18-INCH

2



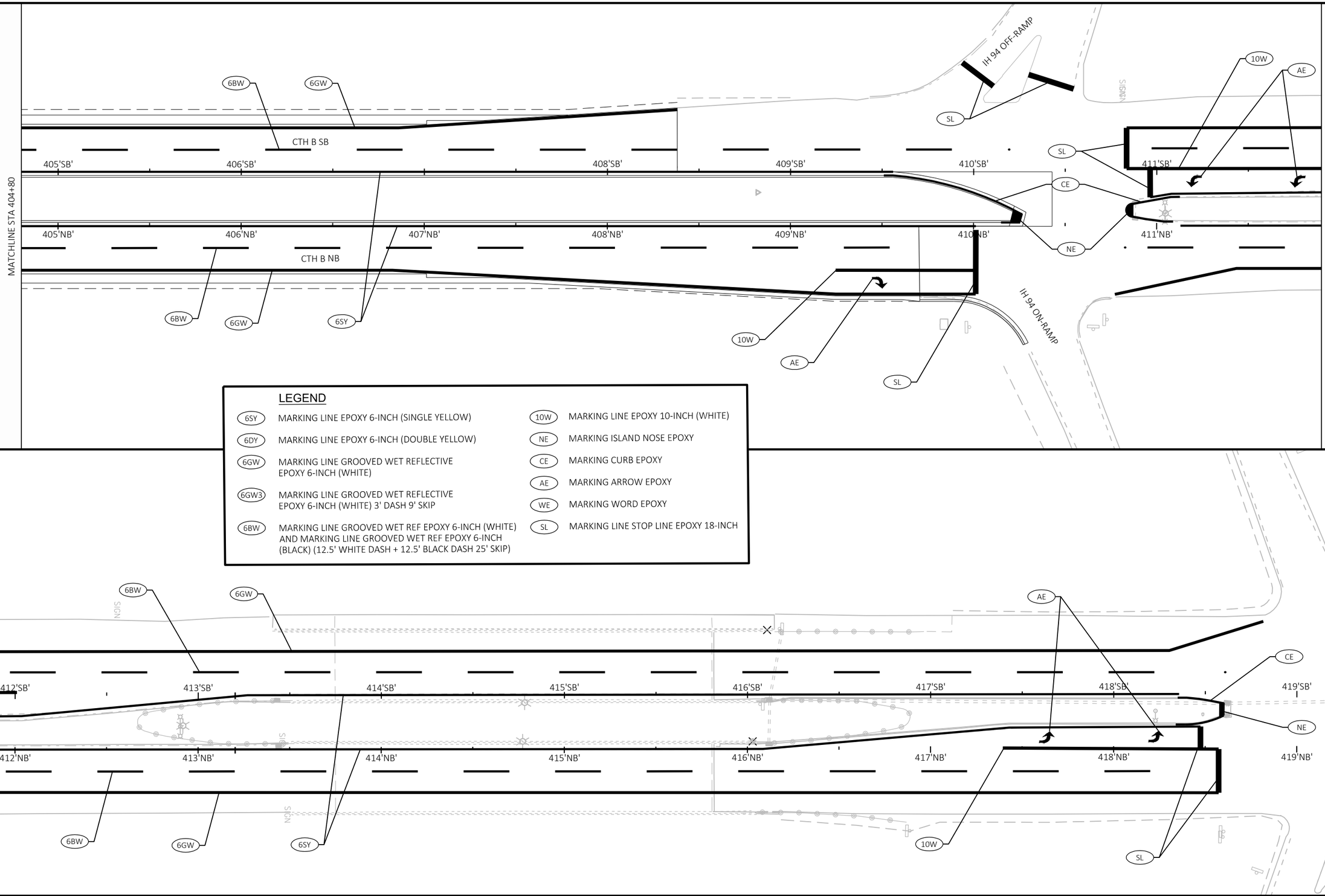
LEGEND

6SY	MARKING LINE EPOXY 6-INCH (SINGLE YELLOW)
6DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
6GW	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)
6GW3	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE) 3' DASH 9' SKIP
6BW	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) AND MARKING LINE GROOVED WET REF EPOXY 6-INCH (BLACK) (12.5' WHITE DASH + 12.5' BLACK DASH 25' SKIP)
10W	MARKING LINE EPOXY 10-INCH (WHITE)
NE	MARKING ISLAND NOSE EPOXY
CE	MARKING CURB EPOXY
AE	MARKING ARROW EPOXY
WE	MARKING WORD EPOXY
SL	MARKING LINE STOP LINE EPOXY 18-INCH

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PAVEMENT MARKING	SHEET 127 E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - PM-04

PLOT DATE : 7/21/2023 2:37 PM PLOT BY : ED OCHS PLOT NAME : PLOT SCALE : 1 IN:50 FT

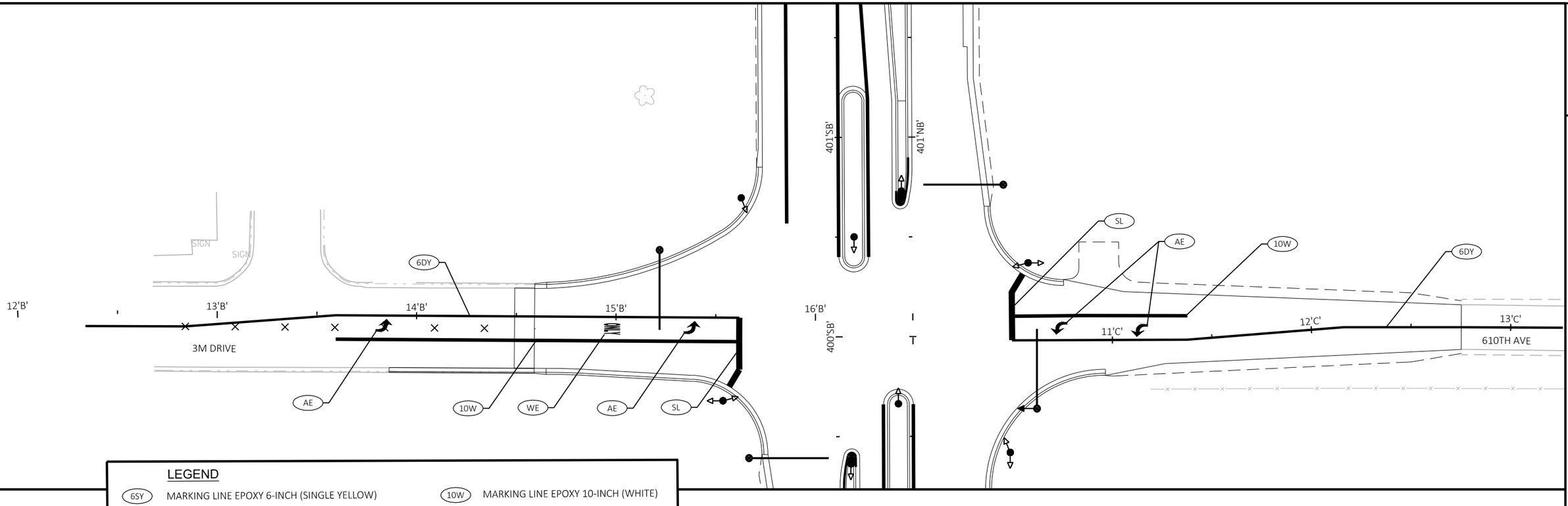


LEGEND

6SY	MARKING LINE EPOXY 6-INCH (SINGLE YELLOW)	10W	MARKING LINE EPOXY 10-INCH (WHITE)
6DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	NE	MARKING ISLAND NOSE EPOXY
6GW	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)	CE	MARKING CURB EPOXY
6GW3	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE) 3' DASH 9' SKIP	AE	MARKING ARROW EPOXY
6BW	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) AND MARKING LINE GROOVED WET REF EPOXY 6-INCH (BLACK) (12.5' WHITE DASH + 12.5' BLACK DASH 25' SKIP)	WE	MARKING WORD EPOXY
		SL	MARKING LINE STOP LINE EPOXY 18-INCH

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PAVEMENT MARKING	SHEET 128	E

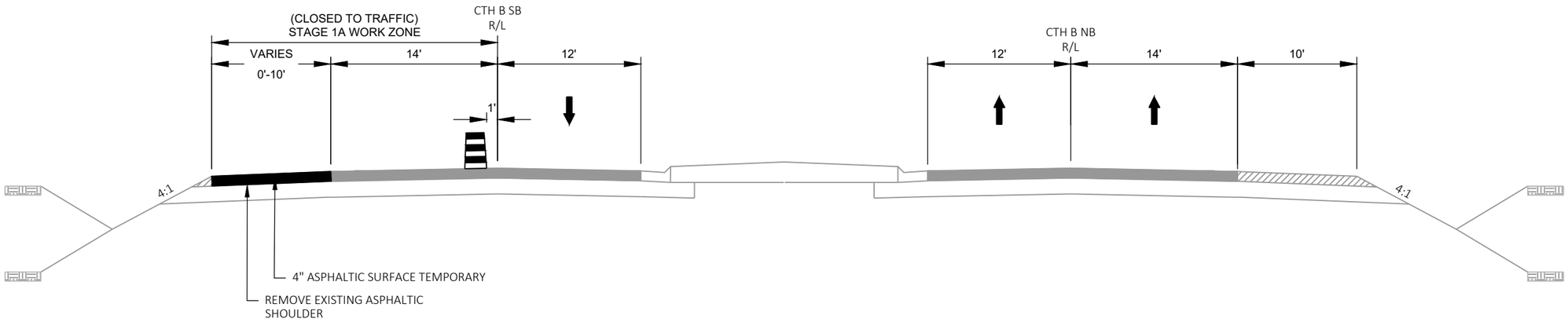
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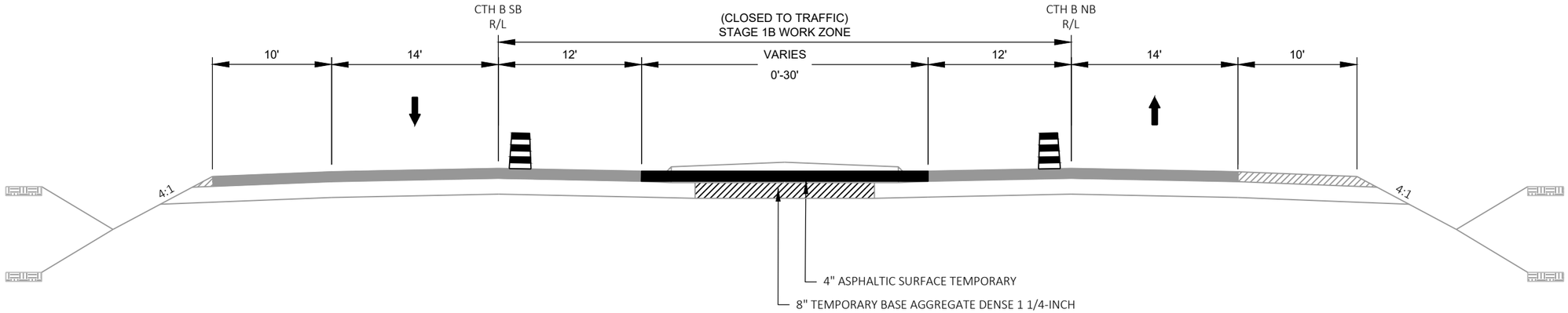
LEGEND

6SY	MARKING LINE EPOXY 6-INCH (SINGLE YELLOW)	10W	MARKING LINE EPOXY 10-INCH (WHITE)
6DY	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)	NE	MARKING ISLAND NOSE EPOXY
6GW	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE)	CE	MARKING CURB EPOXY
6GW3	MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (WHITE) 3' DASH 9' SKIP	AE	MARKING ARROW EPOXY
6BW	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) AND MARKING LINE GROOVED WET REF EPOXY 6-INCH (BLACK) (12.5' WHITE DASH + 12.5' BLACK DASH 25' SKIP)	WE	MARKING WORD EPOXY
		SL	MARKING LINE STOP LINE EPOXY 18-INCH

2



TYPICAL SECTION - STAGE 1A
CTH B



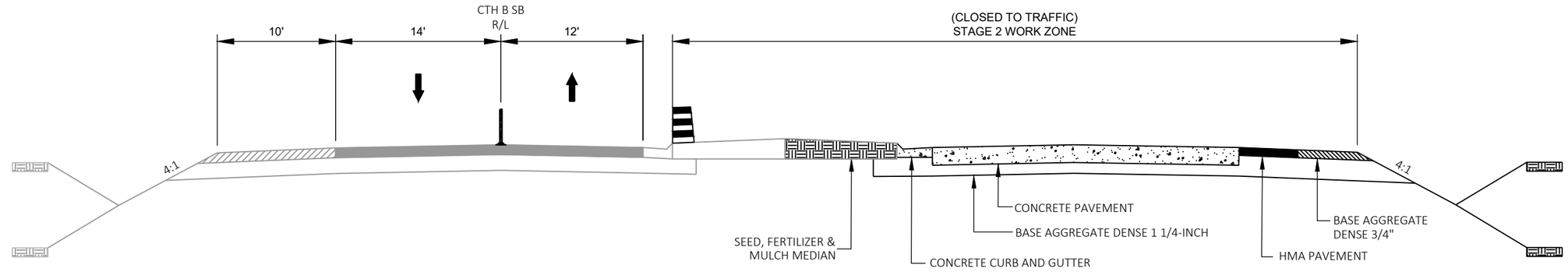
TYPICAL SECTION - STAGE 1B
CTH B

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL TYPICAL SECTIONS	SHEET 130	E

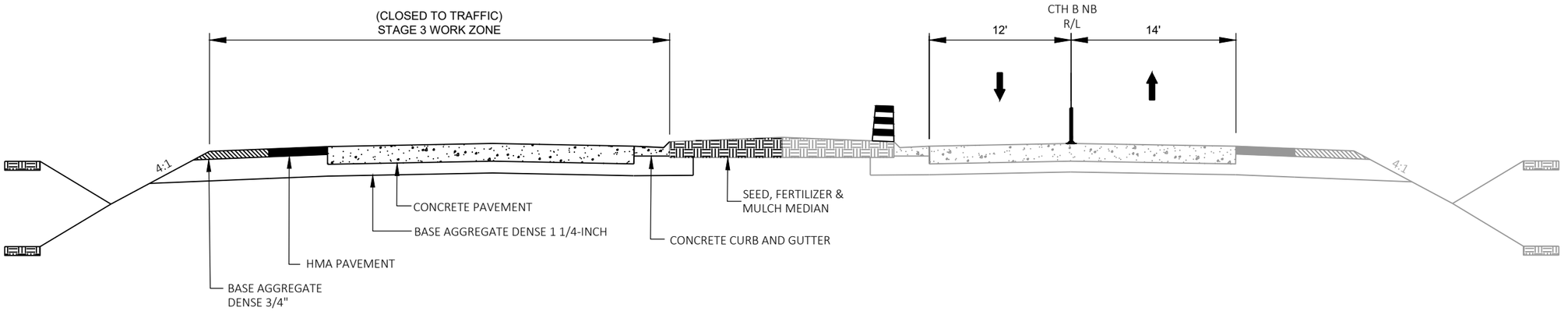
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\025100-TC-STAGING TYPICALS.DWG
LAYOUT NAME - TS_STAGE1A_1B

PLOT DATE : 10/25/2022 2:43 PM PLOT BY : ED OCHS PLOT NAME : PLOT SCALE : 1 IN:10 FT

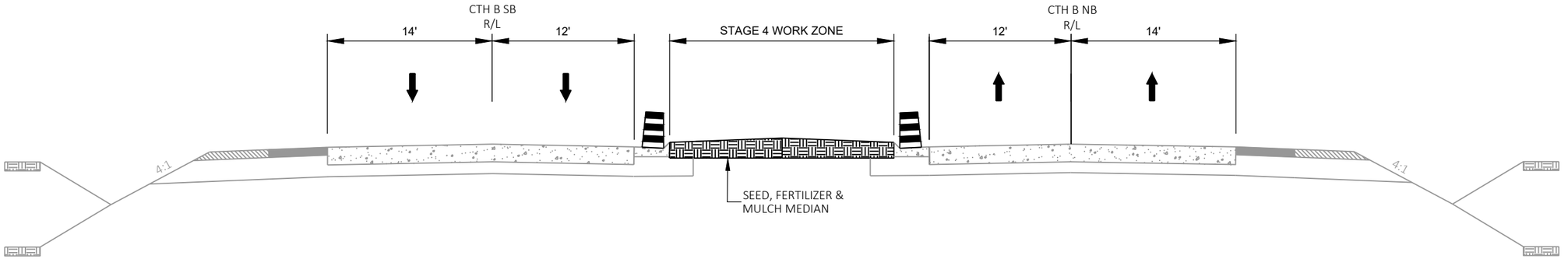
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TYPICAL SECTION - STAGE 2
CTH B



TYPICAL SECTION - STAGE 3
CTH B

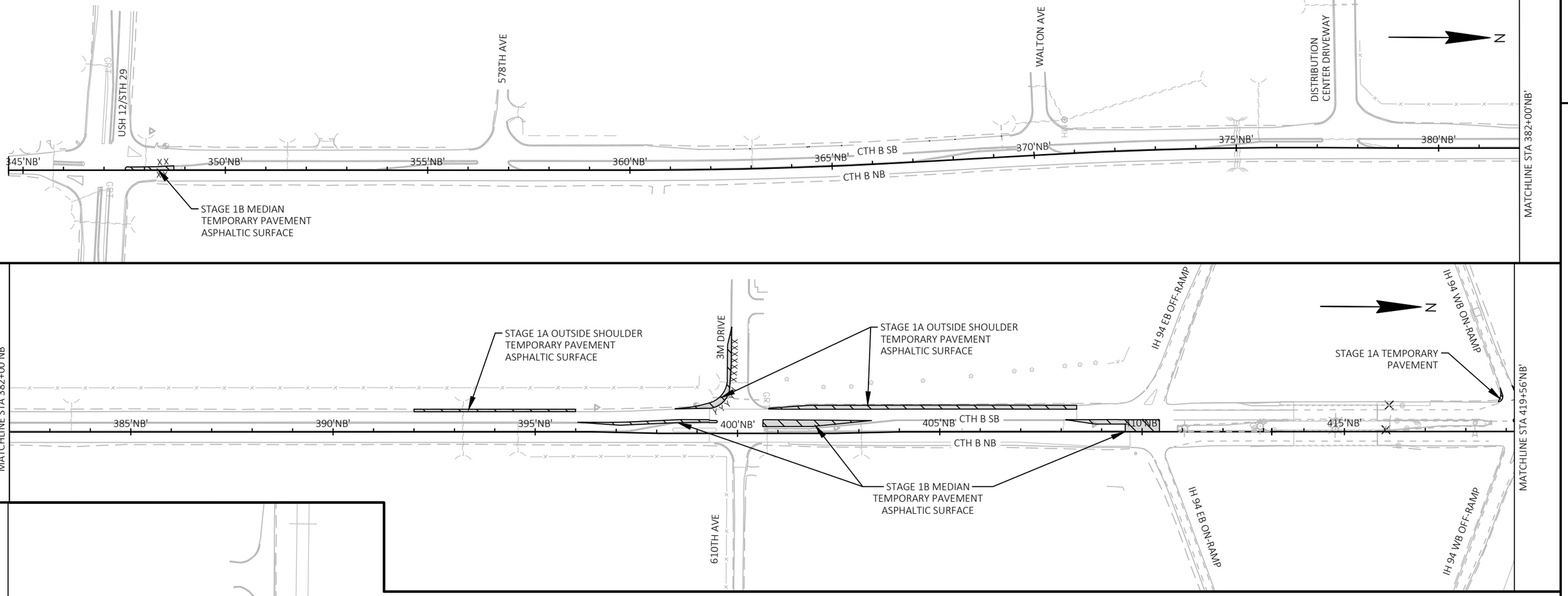


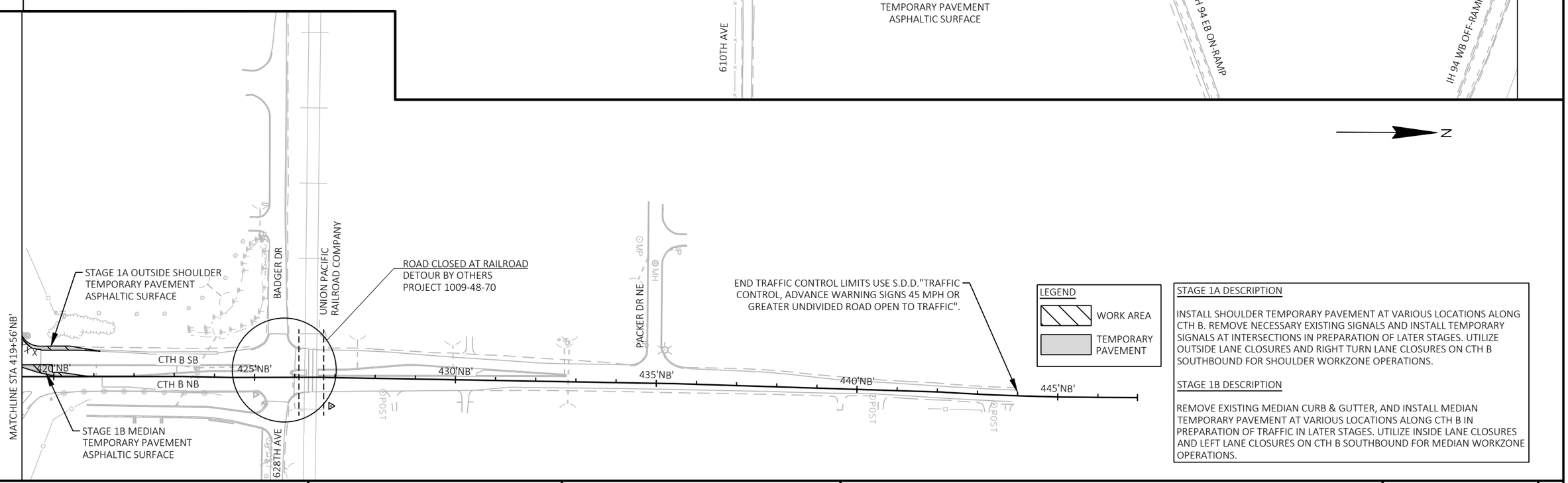
TYPICAL SECTION - STAGE 4
CTH B

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL TYPICAL SECTIONS	SHEET 131	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\025100-TC-STAGING TYPICALS.DWG
LAYOUT NAME - TS_STAGE1_2
PLOT DATE : 10/25/2022 2:43 PM
PLOT BY : ED OCHS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2





LEGEND

- WORK AREA
- TEMPORARY PAVEMENT

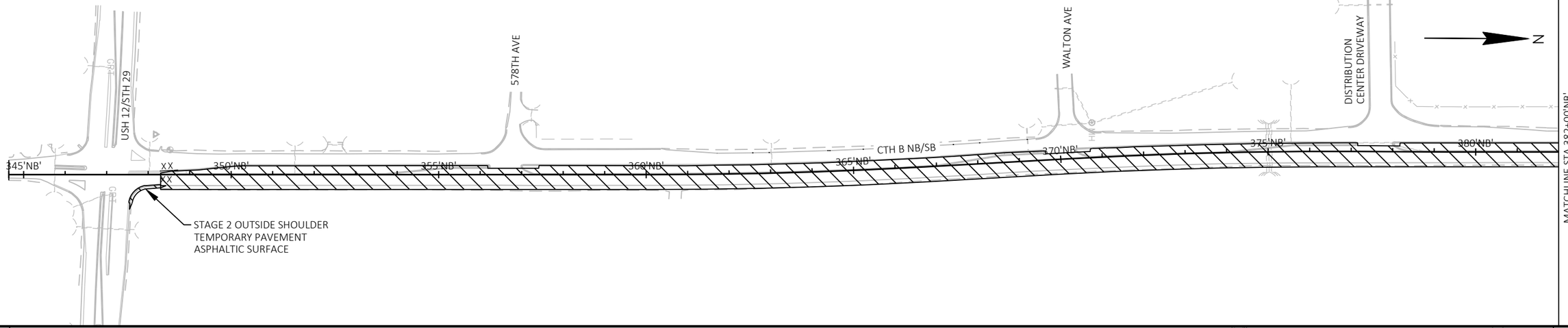
STAGE 1A DESCRIPTION

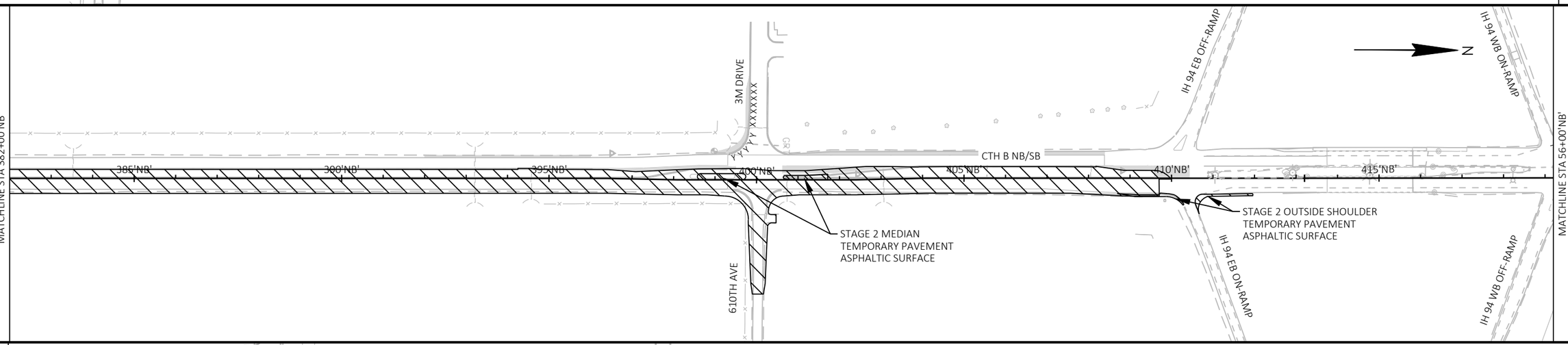
INSTALL SHOULDER TEMPORARY PAVEMENT AT VARIOUS LOCATIONS ALONG CTH B. REMOVE NECESSARY EXISTING SIGNALS AND INSTALL TEMPORARY SIGNALS AT INTERSECTIONS IN PREPARATION OF LATER STAGES. UTILIZE OUTSIDE LANE CLOSURES AND RIGHT TURN LANE CLOSURES ON CTH B SOUTHBOUND FOR SHOULDER WORKZONE OPERATIONS.

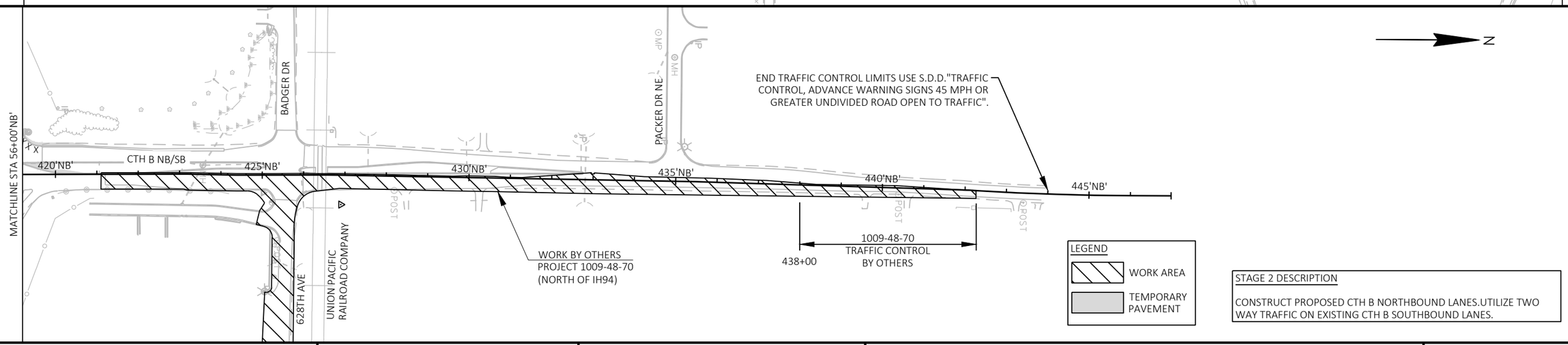
STAGE 1B DESCRIPTION

REMOVE EXISTING MEDIAN CURB & GUTTER, AND INSTALL MEDIAN TEMPORARY PAVEMENT AT VARIOUS LOCATIONS ALONG CTH B IN PREPARATION OF TRAFFIC IN LATER STAGES. UTILIZE INSIDE LANE CLOSURES AND LEFT LANE CLOSURES ON CTH B SOUTHBOUND FOR MEDIAN WORKZONE OPERATIONS.

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL OVERVIEW-STAGE 1A/1B	SHEET 132	E





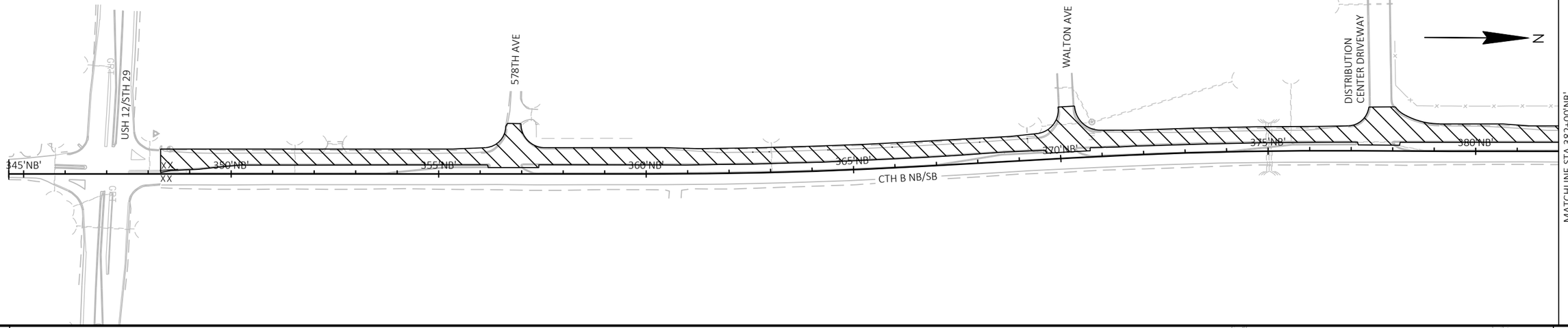


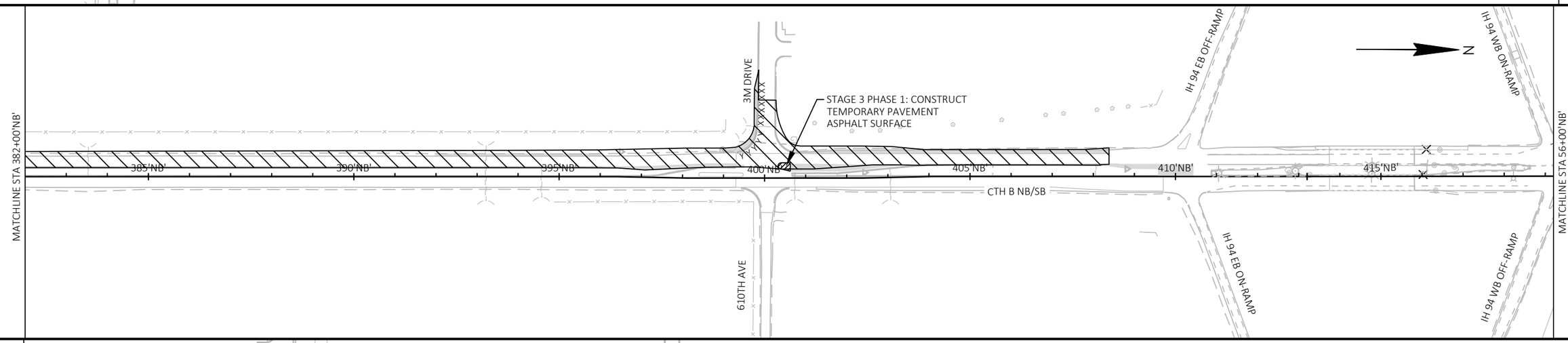
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL OVERVIEW-STAGE 2	SHEET 133	E

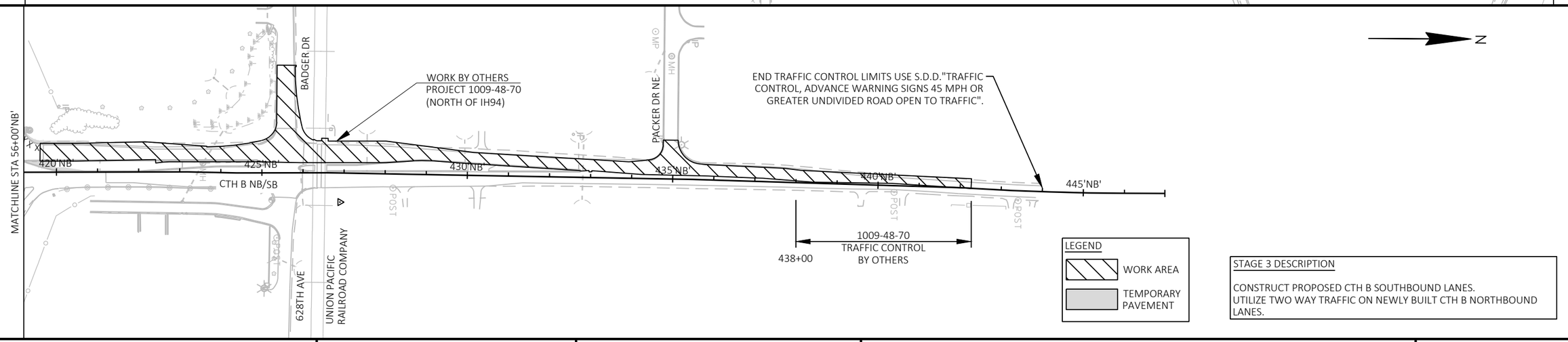
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026000-TC-OVERVIEW.DWG
LAYOUT NAME - Stage 2 Overview

PLOT DATE : 7/19/2023 4:45 PM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:250 FT

WISDOT/CADDS SHEET 42





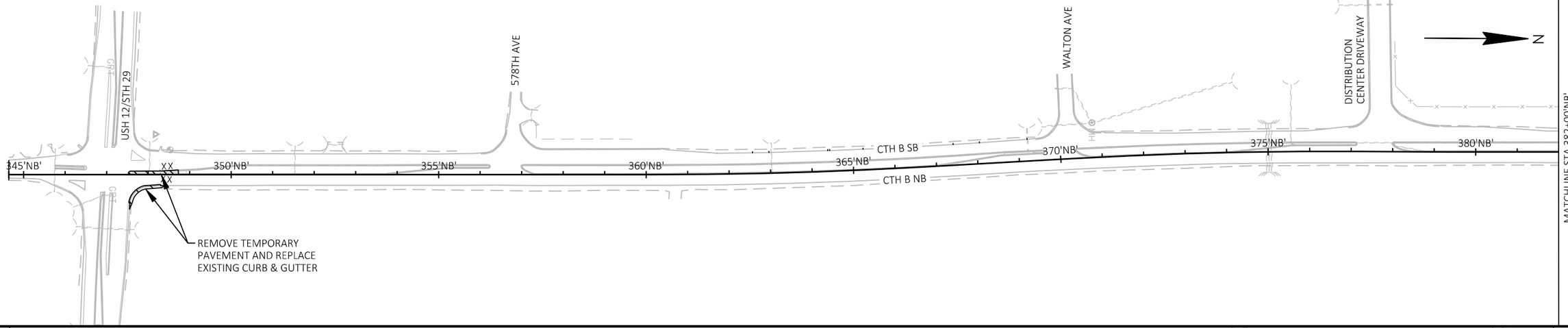


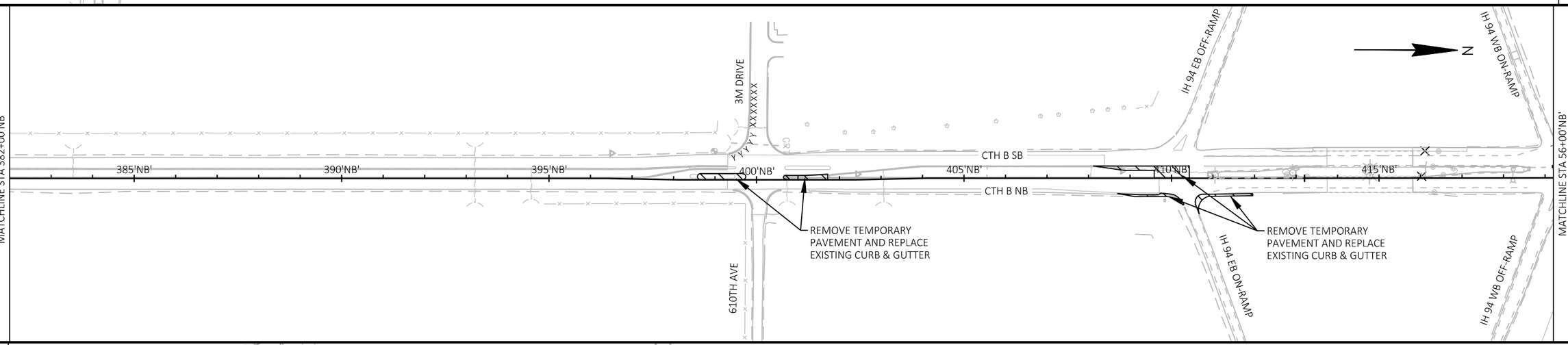
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL OVERVIEW-STAGE 3	SHEET 134	E

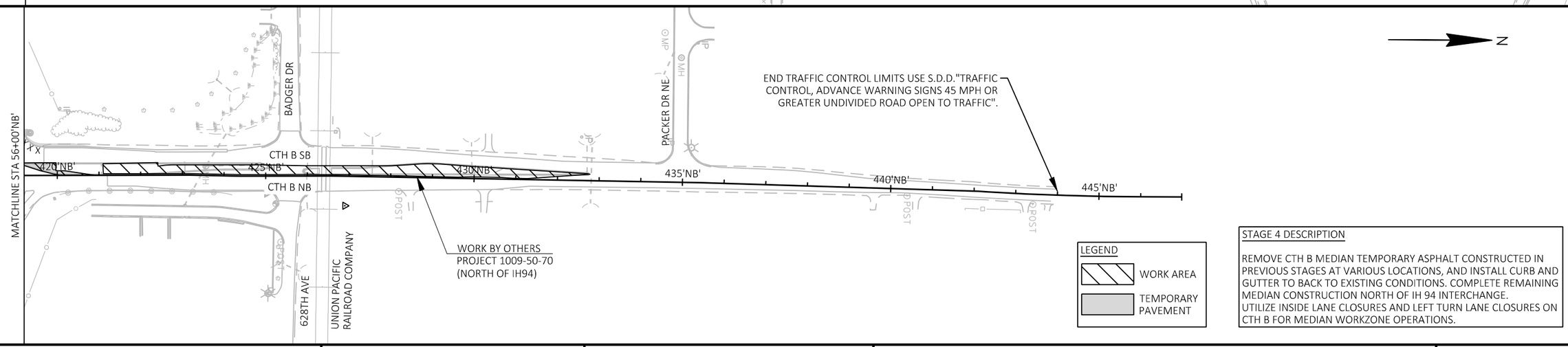
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026000-TC-OVERVIEW.DWG
LAYOUT NAME - Stage 3 Overview

PLOT DATE : 7/19/2023 4:46 PM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:250 FT

WISDOT/CADDS SHEET 42







LEGEND

- WORK AREA
- TEMPORARY PAVEMENT

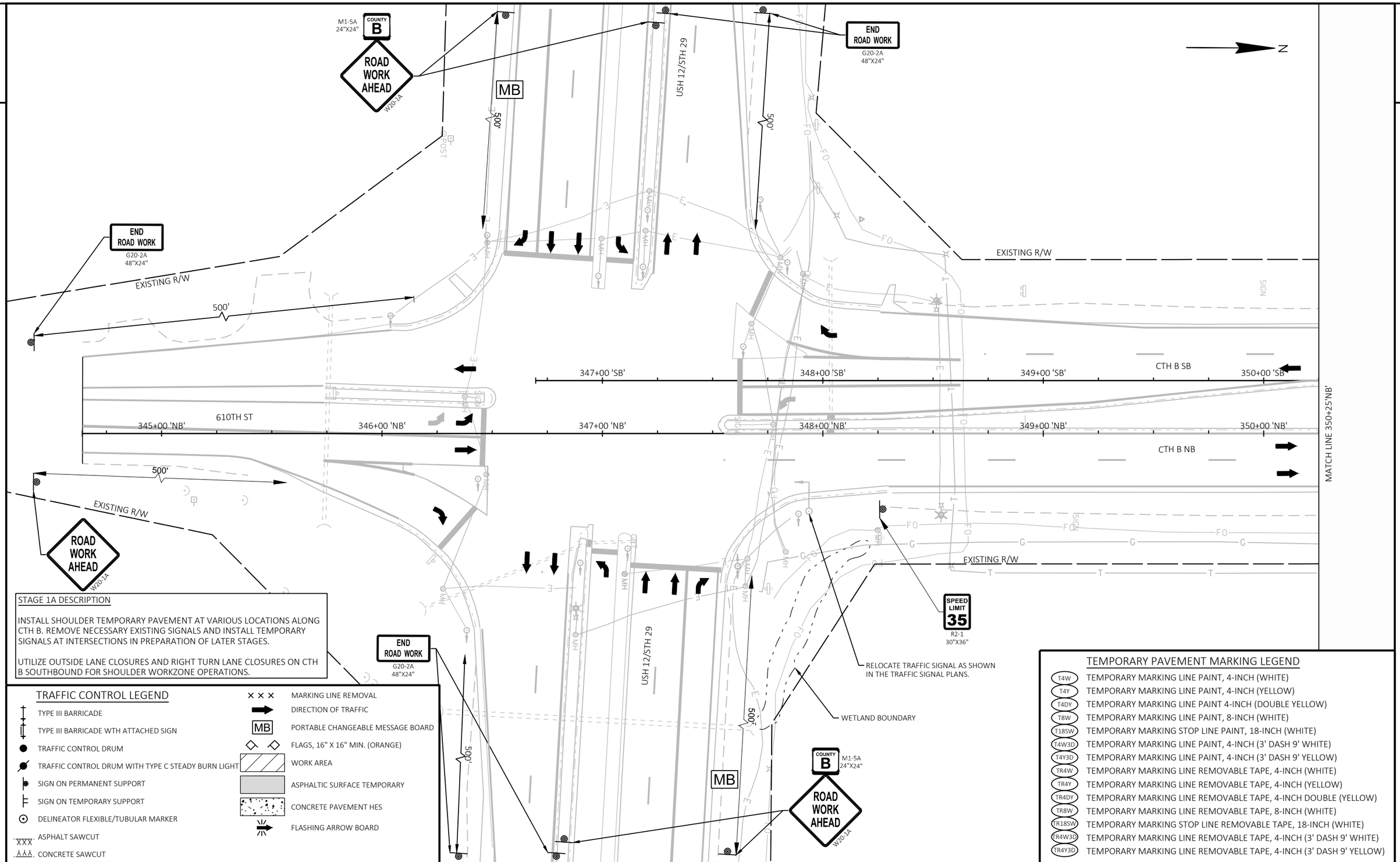
STAGE 4 DESCRIPTION

REMOVE CTH B MEDIAN TEMPORARY ASPHALT CONSTRUCTED IN PREVIOUS STAGES AT VARIOUS LOCATIONS, AND INSTALL CURB AND GUTTER TO BACK TO EXISTING CONDITIONS. COMPLETE REMAINING MEDIAN CONSTRUCTION NORTH OF IH 94 INTERCHANGE.
UTILIZE INSIDE LANE CLOSURES AND LEFT TURN LANE CLOSURES ON CTH B FOR MEDIAN WORKZONE OPERATIONS.

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL OVERVIEW-STAGE 4	SHEET 135	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026000-TC-OVERVIEW.DWG
LAYOUT NAME - Stage 4 Overview

PLOT DATE : 8/25/2023 8:28 AM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:250 FT



STAGE 1A DESCRIPTION

INSTALL SHOULDER TEMPORARY PAVEMENT AT VARIOUS LOCATIONS ALONG CTH B. REMOVE NECESSARY EXISTING SIGNALS AND INSTALL TEMPORARY SIGNALS AT INTERSECTIONS IN PREPARATION OF LATER STAGES.

UTILIZE OUTSIDE LANE CLOSURES AND RIGHT TURN LANE CLOSURES ON CTH B SOUTHBOUND FOR SHOULDER WORKZONE OPERATIONS.

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- ASPHALT SAWCUT
- CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 1A	SHEET 136	E

2

N

EXISTING R/W

'SB'+00.00
28.16'LT

'SB'+00.00
27.08'LT

CTH B SB

391+00 'SB' 392+00 'SB' 393+00 'SB' 394+00 'SB' 395+00 'SB' 396+00 'SB'

391+00 'NB' 392+00 'NB' 393+00 'NB' 394+00 'NB' 395+00 'NB' 396+00 'NB'

CTH B NB

MATCH LINE 396+25'NB'

EXISTING R/W

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- XXX CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 1A	SHEET 137	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026001-S1A.DWG
LAYOUT NAME - 09

PLOT DATE : 8/25/2023 5:34 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

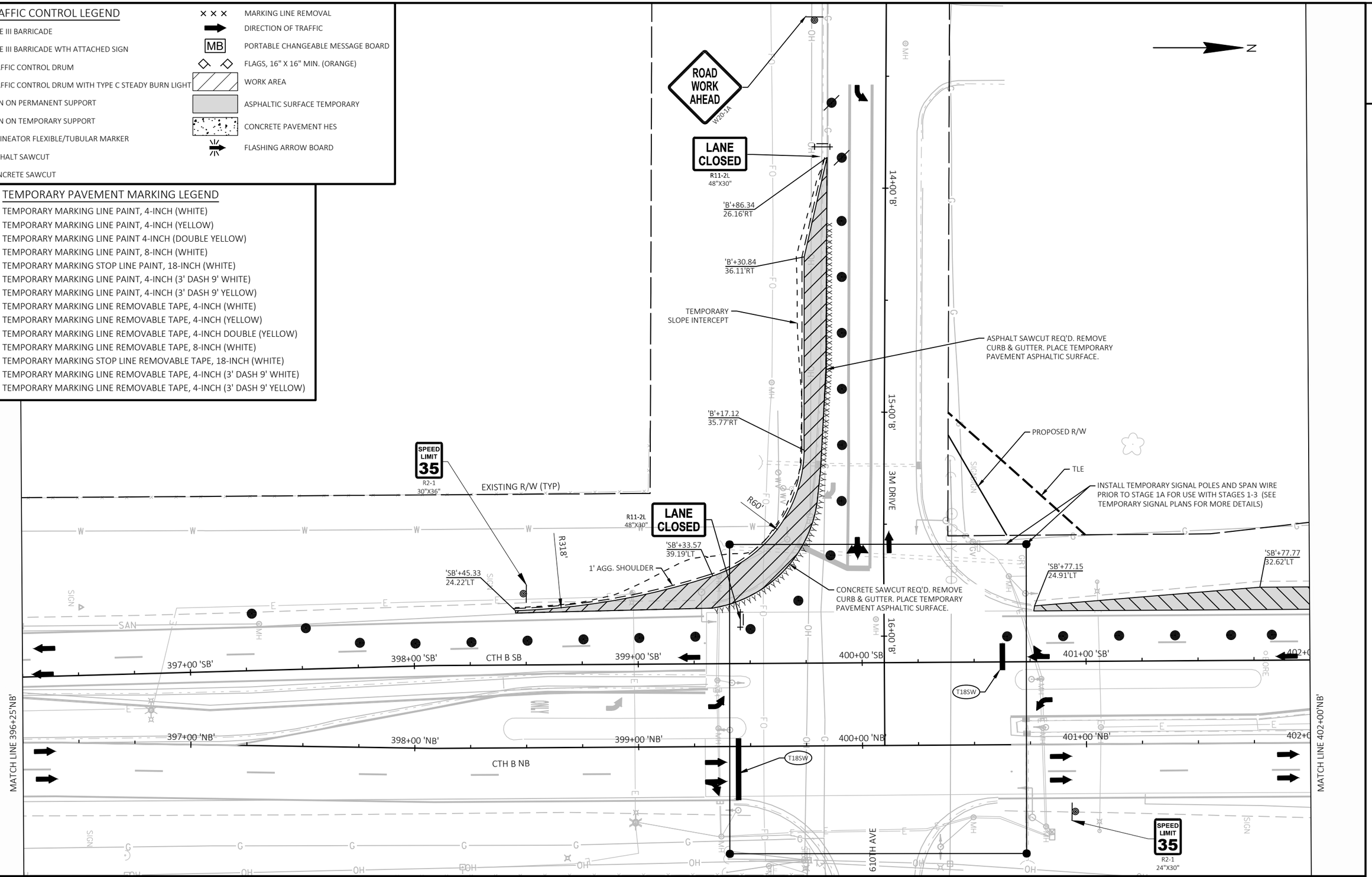
2

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- XXX CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)



PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 1A	SHEET 138	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026001-S1A.DWG
LAYOUT NAME - 10

PLOT DATE : 8/25/2023 5:34 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

EXISTING R/W (TYP)

10'
(TYP)

SIGN

SIGN

403+00 'SB'

404+00 'SB'

405+00 'SB'

CTH B SB

406+00 'SB'

407+00 'SB'

403+00 'NB'

404+00 'NB'

405+00 'NB'

406+00 'NB'

407+00 'NB'

CTH B NB

MATCH LINE 402+00 'NB'

MATCH LINE 407+75 'NB'

SIGN

OH

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- ASPHALT SAWCUT
- CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 1A	SHEET 139	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026001-S1A.DWG
LAYOUT NAME - 11

PLOT DATE : 8/25/2023 5:35 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

EXISTING R/W (TYP)

IH 94 EB OFF-RAMP

LANE CLOSED
R11-2L
48"X30"

SPEED LIMIT 35
R2-1
30"X36"

'SB'+38.17
35.96'LT

INSTALL TEMPORARY SIGNAL POLES AND SPAN WIRE PRIOR TO STAGE 1A FOR USE WITH STAGES 1-3 (SEE TEMPORARY SIGNAL PLANS FOR MORE DETAILS)

LANE CLOSED
R11-2L
48"X30"

T4W

408+00 'SB'
409+00 'SB'
CTH B SB
410+00 'SB'
411+00 'SB'
412+00 'SB'

408+00 'NB'
409+00 'NB'
410+00 'NB'
411+00 'NB'
412+00 'NB'
CTH B NB

MATCH LINE 407+75 'NB'

MATCHLINE STA 412+75 'NB'

IH 94 EB ON-RAMP

N

2

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- ASPHALT SAWCUT
- CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 1A	SHEET 140	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026001-S1A.DWG
LAYOUT NAME - 12

PLOT DATE : 8/25/2023 5:35 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

SPEED LIMIT 35
R2-1
30"X36"

W04-2R

350'

T4W

320' TAPER

413+00 'SB' 414+00 'SB' 415+00 'SB' 416+00 'SB' 417+00 'SB' 418+00 'SB'

CTH B SB

MATCHLINE STA 412+75'NB'

413+00 'NB' 414+00 'NB' 415+00 'NB' 416+00 'NB' 417+00 'NB' 418+00 'NB'

CTH B NB

MATCH LINE 418+40'NB'

LEFT LANE CLOSED AHEAD
W20-5SA

W04-2L

OH OH OH OH OH OH OH OH

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- ASPHALT SAWCUT
- CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 1A	SHEET 141	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026001-S1A.DWG
LAYOUT NAME - 13

PLOT DATE : 8/25/2023 5:35 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

EXISTING R/W (TYP)

IH 94 WB ON-RAMP

'SB'+14.80
83.71'LT

'SB'+84.60
78.37'LT

TEMPORARY
SLOPE INTERCEPT

1' AGG. SHOULDER

'SB'+64.35
46.03'LT

INSTALL TEMPORARY SIGNAL POLES AND SPAN WIRE PRIOR TO STAGE 1A FOR USE WITH STAGES 1-3 (SEE TEMPORARY SIGNAL PLANS FOR MORE DETAILS)

TEMPORARY SLOPE INTERCEPT

'SB'+39.46
46.04'LT

'SB'+16.19
31.91'LT

'SB'+80.20
43.17'LT

10'

ASPHALT SAWCUT REQ'D.
REMOVE CURB & GUTTER.
PLACE TEMPORARY PAVEMENT
ASPHALTIC SURFACE.

LANE CLOSED
R11-2L
48"X30"

RIGHT LANE CLOSED AHEAD
W20-5A

CTH B SB

419+00 'SB'
420+00 'SB'
421+00 'SB'
422+00 'SB'
423+00 'SB'
424+00 'SB'

MATCH LINE 418+40'NB'

419+00 'NB'
420+00 'NB'
421+00 'NB'
BEGIN TAPER
422+00 'NB'
423+00 'NB'
424+00 'NB'

CTH B NB

+50 END TAPER

TR4Y

MATCH LINE 424+25'NB'

SEE ADDITIONAL INTERSECTION DETAIL SHEET FOR A COMPLETE VIEW OF THE IH 94 WB OFF RAMP INTERSECTION LANE CONFIGURATION

SPEED LIMIT
35
R2-1
30"X36"

W04-2L

614TH ST

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- XXX CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 1A	SHEET 142	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026001-S1A.DWG
LAYOUT NAME - 14
PLOT DATE : 8/25/2023 5:35 PM
PLOT BY : CHRIS BURNS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

RAILROAD CROSSING
CLOSURE & DETOUR
BY OTHERS
PROJECT 1009-48-70

EXISTING R/W (TYP)

SPEED LIMIT 35
R2-1
30"X36"

CTH B SB

425+00 'SB'
426+00 'SB'
427+00 'SB'
428+00 'SB'
429+00 'SB'
430+0

WORK AREA BY OTHERS

WORK AREA BY OTHERS

425+00 'NB'
426+00 'NB'
427+00 'NB'
428+00 'NB'
429+00 'NB'
430+0

CTH B NB

MATCH LINE 424+25'NB'

TR4Y

TR18W

628TH AVE

350'

ROAD WORK AHEAD
W20-1A

BY OTHERS

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- ASPHALT SAWCUT
- CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 1A	SHEET 143 E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026001-S1A.DWG
LAYOUT NAME - 15
PLOT DATE : 8/29/2023 12:28 PM
PLOT BY : CHRIS BURNS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

M1-5A 24"X24"
COUNTY B
ROAD WORK AHEAD
W20-1A

MB

500'

USH 12/STH 29

END ROAD WORK
G20-2A
48"X24"

N

END ROAD WORK
G20-2A
48"X24"

EXISTING R/W

500'

610TH ST

345+00 'NB'

346+00 'NB'

347+00 'NB'

348+00 'NB'

349+00 'NB'

350+00 'NB'

347+00 'SB'

348+00 'SB'

349+00 'SB'

350+00 'SB'

CTH B SB

CTH B NB

SALVAGE INLET COVERS

CONCRETE SAWCUT REQ'D. REMOVE CURB & GUTTER AND CONCRETE MEDIAN. PLACE TEMPORARY PAVEMENT.

INSTALL COVER PLATE TEMPORARY

ASPHALT SAWCUT REQ'D. REMOVE CURB & GUTTER AND CONCRETE MEDIAN. PLACE ASPHALTIC SURFACE TEMPORARY.

LANE CLOSED
R11-2L
48"X30"

'NB'+72.80
0.00'

TEMPORARY INLET CASTING.
USE INLET COVER TYPE "S".
OFFSET 12-INCHES.
SHAPE MEDIAN SURFACE TO DRAIN.

HAND SHAPE AND COMPACT TO FORM SUMP.

MATCH LINE 350+25 'NB'

SPEED LIMIT 35
R2-1
30"X36"

FLAGGER CONTROL FOR RIGHT TURNING TRUCKS. ADJUST BARRELS AS NEEDED.

W20-7A

SEE USH 12/STH 29 WB SHEETS FOR RIGHT LANE CLOSURE DETAILS TO TAKE PLACE DURING CTH B MEDIAN CONSTRUCTION

MATCHLINE STA 16+75

STAGE 1B DESCRIPTION

REMOVE EXISTING MEDIAN CURB & GUTTER, AND INSTALL MEDIAN TEMPORARY PAVEMENT AT VARIOUS LOCATIONS ALONG CTH B IN PREPARATION OF TRAFFIC IN LATER STAGES.

UTILIZE INSIDE LANE CLOSURES AND LEFT TURN LANE CLOSURES ON CTH B SOUTHBOUND FOR MEDIAN WORKZONE OPERATIONS.

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 1B	SHEET 144	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026002-S1B.DWG
LAYOUT NAME - 01

PLOT DATE : 8/25/2023 5:38 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

EXISTING R/W

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

MATCHLINE STA 16+75

17+00 'US'

18+00 'US'

19+00 'US'

20+00 'US'

USH 12/STH 29 WB

21+00 'US'

22+00 'US'

MATCHLINE STA 22+75

GRT

USH 12/STH 29 EB

EXISTING R/W

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- XXX CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 1B	SHEET 145	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026002-S1B.DWG
LAYOUT NAME - 02

PLOT DATE : 8/25/2023 5:38 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

LANE CLOSED
R11-2L
48"X30"

MATCHLINE STA 22+75

23+00 'US'

24+00 'US'

25+00 'US'

USH 12/STH 29 WB

26+00 'US'

27+00 'US'

28+00 'US'

MATCHLINE STA 28+50

USH 12/STH 29 EB

TR4W

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

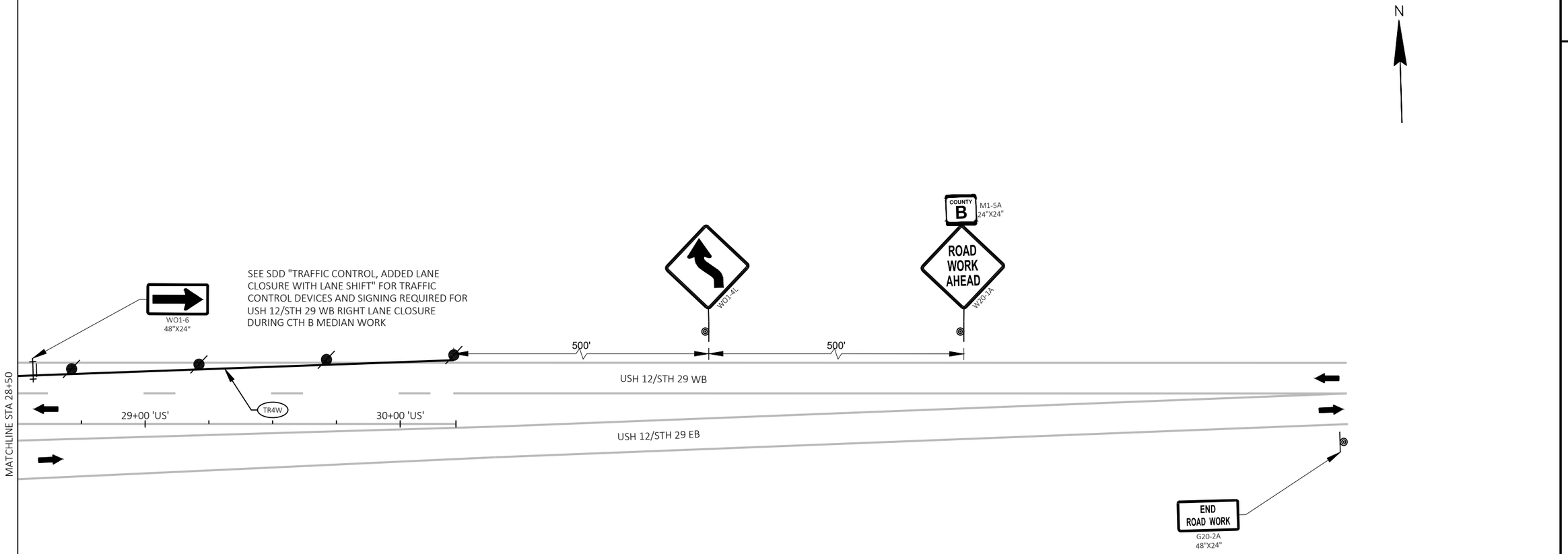
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 1B	SHEET 146	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026002-S1B.DWG
LAYOUT NAME - 03

PLOT DATE : 8/25/2023 5:38 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- XXX CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 1B	SHEET 147	E

2

N

EXISTING R/W

W W W W W W W W W W W W

SAN SAN SAN SAN SAN SAN SAN SAN SAN SAN SAN SAN

CTH B SB

385+00 'SB' 386+00 'SB' 387+00 'SB' 388+00 'SB' 389+00 'SB' 390+00 'SB'

350'

E E E E E E E E E E E E

385+00 'NB' 386+00 'NB' 387+00 'NB' 388+00 'NB' 389+00 'NB' 390+00 'NB'

CTH B NB

BORE

MATCH LINE 390+50'NB'

G G G G G G G G G G G G

OH OH OH OH OH OH OH OH OH OH OH OH

EXISTING R/W

LEFT LANE CLOSED AHEAD
W20-5SA

W04-2L

SPEED LIMIT 35
R2-1
30"X36"

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- .XXX. ASPHALT SAWCUT
- .XXX. CONCRETE SAWCUT
- × × × MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 1B	SHEET 148	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026002-S1B.DWG
LAYOUT NAME - 12
PLOT DATE : 8/25/2023 5:38 PM
PLOT BY : CHRIS BURNS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

EXISTING R/W

CTH B SB

391+00 'SB' 392+00 'SB' 393+00 'SB' 394+00 'SB' 395+00 'SB' 396+00 'SB'

320' TAPER

'SB'+04.86
5.13'RT

391+00 'NB' 392+00 'NB' 393+00 'NB' 394+00 'NB' 395+00 'NB' 396+00 'NB'

CTH B NB

TR4Y

MATCH LINE 390+50'NB'

MATCH LINE 396+25'NB'

SIGN

EXISTING R/W

TLE

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

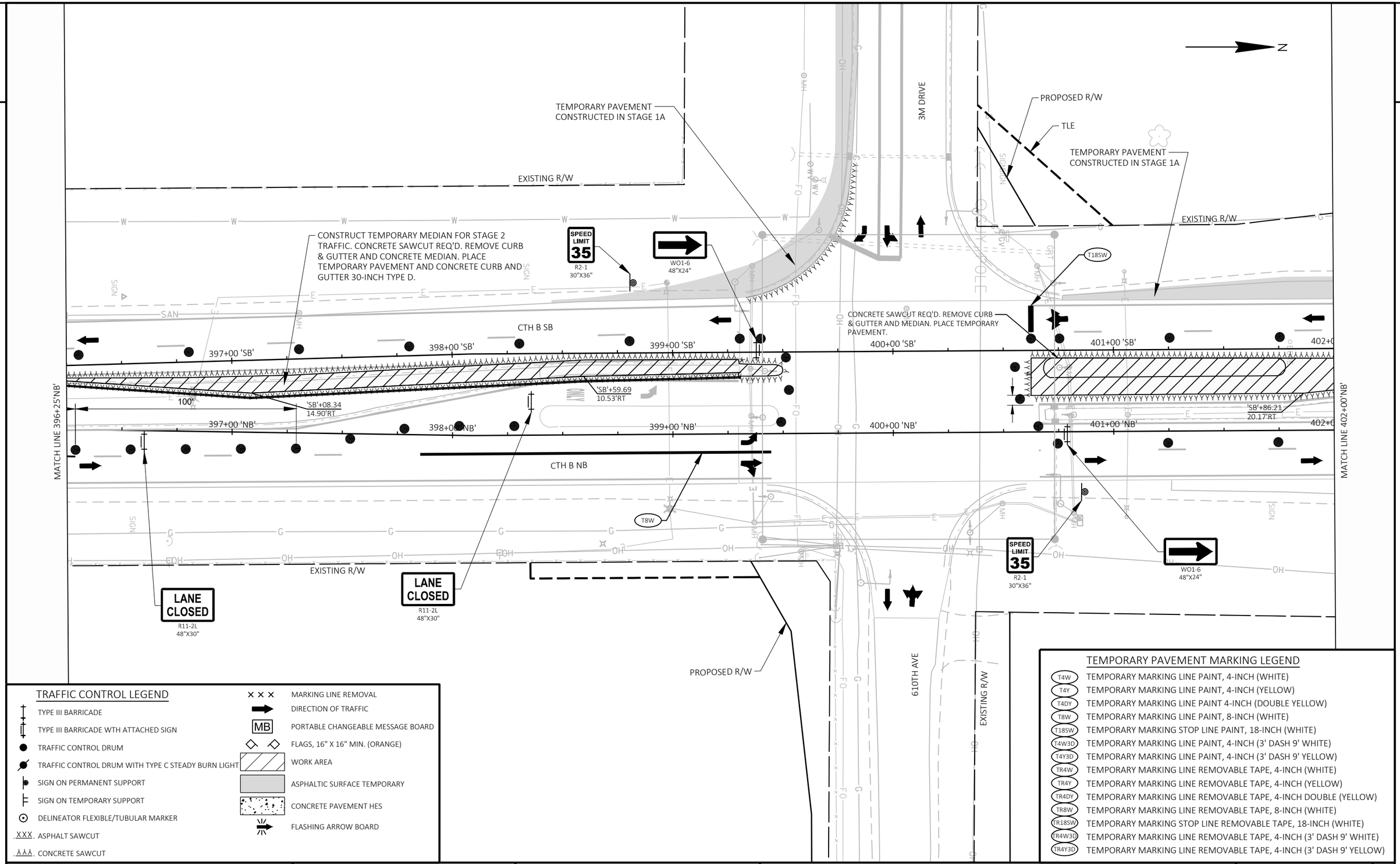
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 1B	SHEET 149	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026002-S1B.DWG
LAYOUT NAME - 13

PLOT DATE : 8/25/2023 5:38 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- XXX CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 1B	SHEET 150	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026002-S1B.DWG
LAYOUT NAME - 14
PLOT DATE : 8/25/2023 5:39 PM
PLOT BY : CHRIS BURNS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

EXISTING R/W

CONCRETE SAWCUT REQ'D
FOR LEFT TURN LANE
TEMPORARY PAVEMENT.

TEMPORARY PAVEMENT
CONSTRUCTED IN STAGE 1A

SIGN

SIGN

CTH B SB

'SB'

403+00 'SB'

'SB'+31.12
3.62 RT

404+00 'SB'

405+00 'SB'

406+00 'SB'

407+00 'SB'

'NB'

403+00 'NB'

404+00 'NB'

405+00 'NB'

406+00 'NB'

407+00 'NB'

MATCH LINE 402+00 'NB'

MATCH LINE 407+75 'NB'

CTH B NB

SIGN

EXISTING R/W

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 1B	SHEET 151	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026002-S1B.DWG
LAYOUT NAME - 15

PLOT DATE : 8/25/2023 5:39 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

EXISTING R/W (TYP)

IH 94 EB OFF-RAMP

TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 1A

SPEED LIMIT 35
R2-1
30"X36"

WO1-6
48"X24"

CONCRETE SAWCUT REQ'D. REMOVE PAVEMENT AND CURB & GUTTER. PLACE TEMPORARY PAVEMENT.

CTH B SB

408+00 'SB'
409+00 'SB'
410+00 'SB'
411+00 'SB'
412+00 'SB'

'SB'+11.44
0.00'

'SB'+83.74
10.61'RT

'SB'+58.40
10.90'RT

408+00 'NB'
409+00 'NB'
410+00 'NB'
411+00 'NB'
412+00 'NB'

MATCH LINE 407+75 'NB'

MATCHLINE STA 412+75 'NB'

WO1-6
48"X24"

IH 94 EB ON-RAMP

N

2

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- .XXX. ASPHALT SAWCUT
- .XXX. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 1B	SHEET 152	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026002-S1B.DWG
LAYOUT NAME - 16

PLOT DATE : 8/25/2023 5:39 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

BEGIN LEFT TURN LANE
R3-20L
24"X36"

413+00 'SB' 414+00 'SB' 415+00 'SB' CTH B SB 416+00 'SB' 417+00 'SB' 418+00 'SB'

MATCHLINE STA 412+75'NB'

413+00 'NB' 414+00 'NB' 415+00 'NB' 416+00 'NB' 417+00 'NB' 418+00 'NB'

CTH B NB

MATCHLINE STA 418+00'NB'

BEGIN LEFT TURN LANE
R3-20L
24"X36"

OH OH OH OH OH

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
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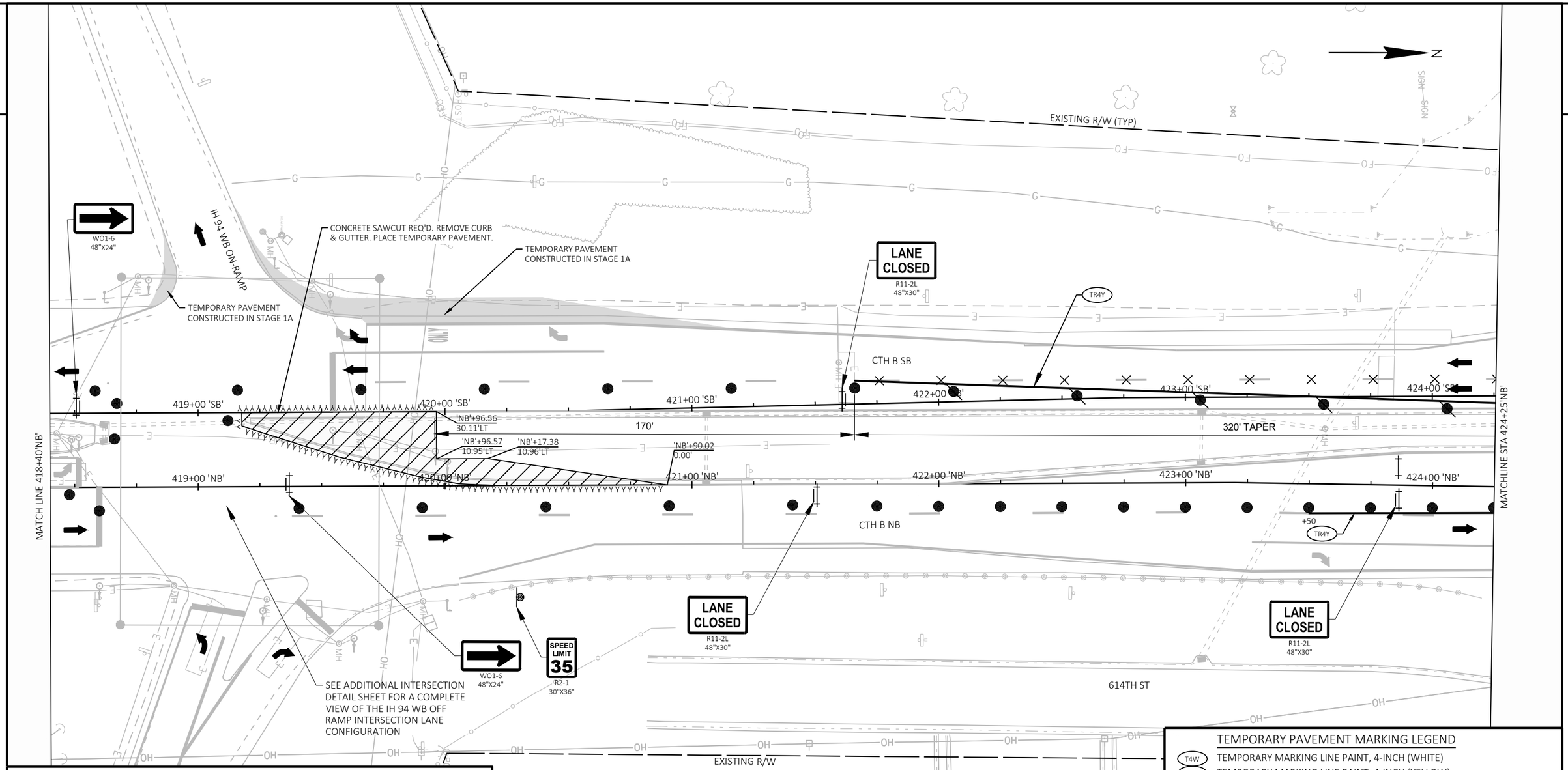
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 1B	SHEET 153	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026002-S1B.DWG
LAYOUT NAME - 17

PLOT DATE : 8/25/2023 5:39 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

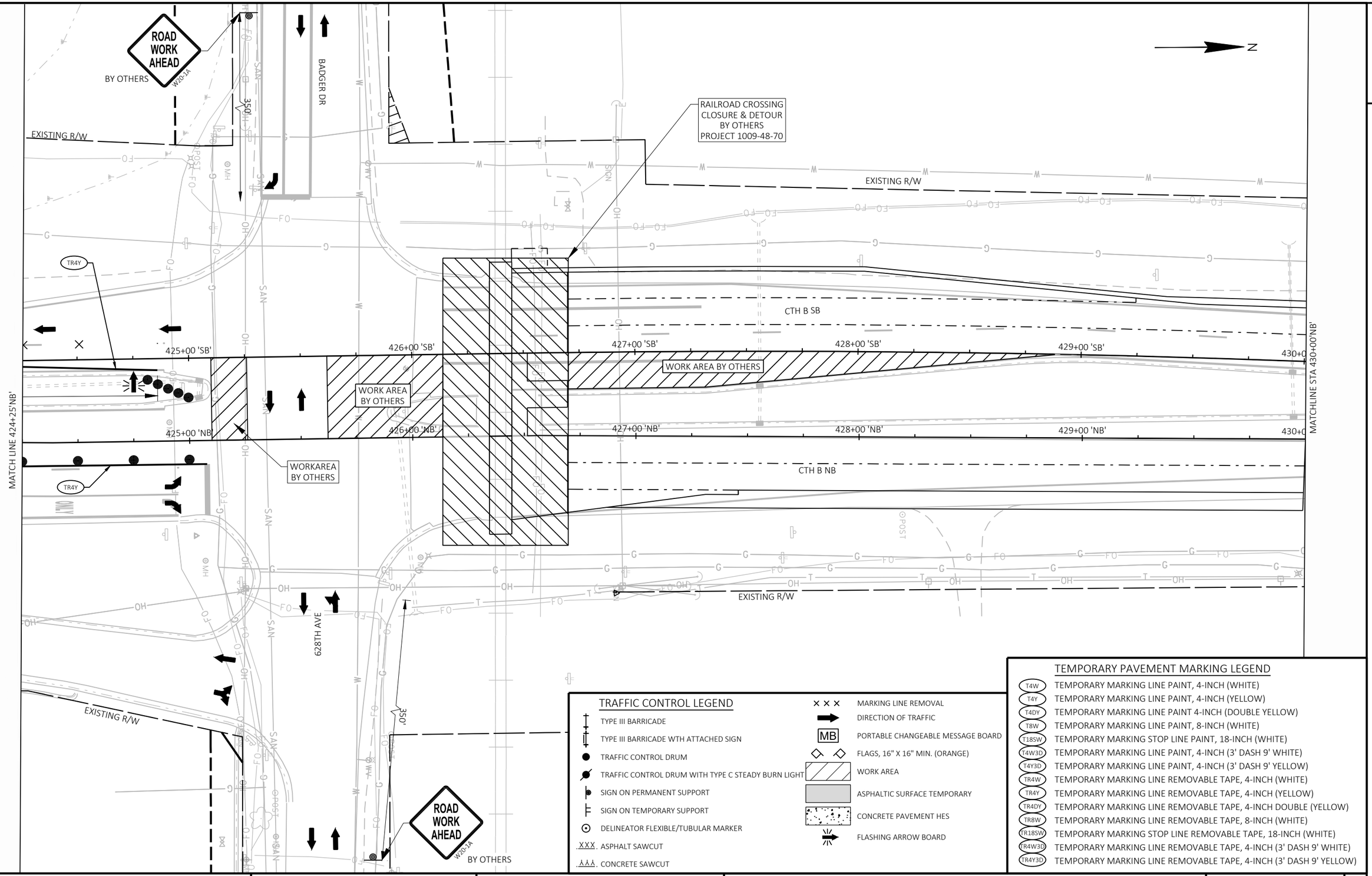
TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
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TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
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TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 1B	SHEET 154	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026002-S1B.DWG
LAYOUT NAME - 18
PLOT DATE : 8/25/2023 5:39 PM
PLOT BY : CHRIS BURNS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

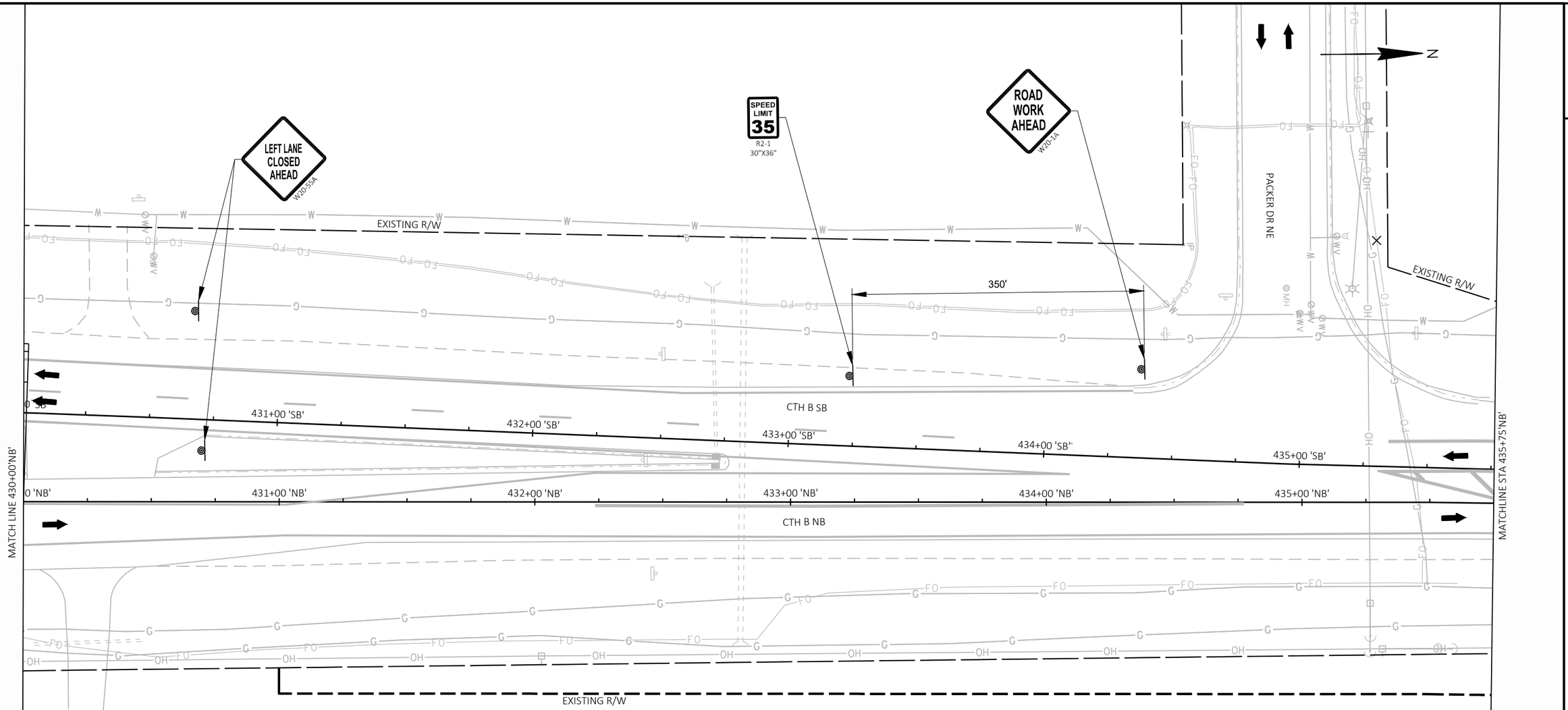
TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
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TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
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TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 1B	SHEET 155	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026002-S1B.DWG
LAYOUT NAME - 19
PLOT DATE : 8/29/2023 12:28 PM
PLOT BY : CHRIS BURNS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

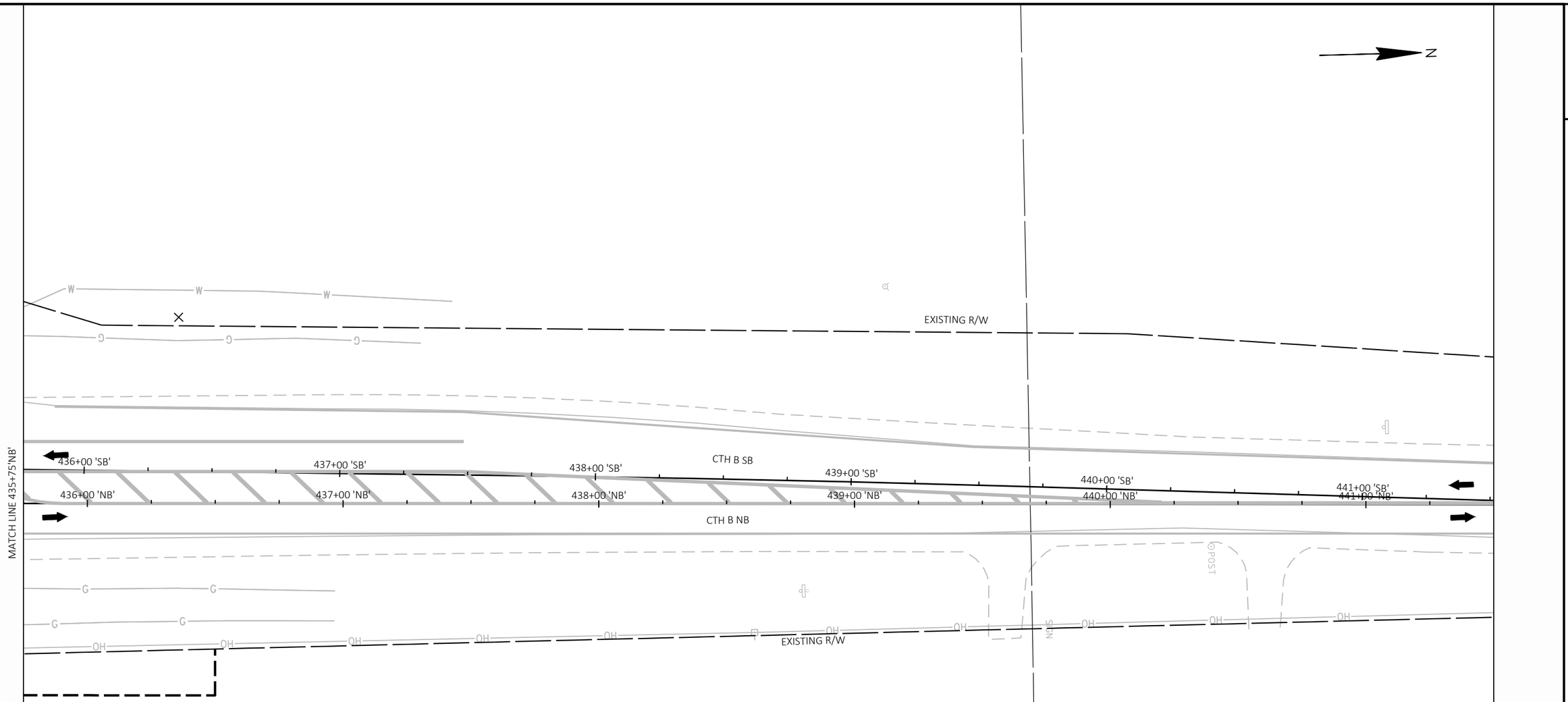
TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 1B	SHEET 156	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026002-S1B.DWG
LAYOUT NAME - 20
PLOT DATE : 8/25/2023 5:39 PM
PLOT BY : CHRIS BURNS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- XXX CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 1B	SHEET 157	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026002-S1B.DWG
LAYOUT NAME - 21

PLOT DATE : 8/25/2023 5:39 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

M1-5A 24"X24"
COUNTY B
ROAD WORK AHEAD
W20-1A

MB

500'

POST

USH 12/STH 29

14+00 'US'

END ROAD WORK
G20-2A
48"X24"

EXISTING R/W

500'

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION" FOR TRAFFIC CONTROL DEVICES AND SIGNING REQ'D FOR CTH B TWO WAY TRAFFIC

EXISTING CURB & GUTTER TO REMAIN IN PLACE ALONG SOUTHBOUND MEDIAN EDGE

BEGIN CONSTRUCTION
STA 348+30.00'NB'
MATCH EXISTING
SAW CUT REQ'D

T4W3D

T4DY

TYPE S CASTING
SEE STAGE 1B

TR4Y3D

347+00 'SB'

348+00 'SB'

CTH B SB

CTH B NB

350+00 'SB'

12'

12'

610TH ST

345+00 'NB'

346+00 'NB'

347+00 'NB'

TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 1B

348+00 'NB'

349+00 'NB'

350+00 'NB'

MATCH LINE 350+25'NB'

5+00 'US'

TR4W

'NB'+30.20
26.82'RT

'NB'+42.46
26.88'RT

ASPHALT SAWCUT REQ'D.
REMOVE CURB & GUTTER.
PLACE TEMPORARY PAVEMENT.

'NB'+93.51
34.63'RT

'NB'+30.52
31.65'RT

EXISTING R/W

'NB'+55.89
68.27'RT

'NB'+54.92
83.31'RT

'NB'+61.21
68.89'RT

WO1-6
48"X24"

SPEED LIMIT
35
R2-1
30"X36"

ROAD CLOSED
R11-2
48"X30"

1' AGG. SHOULDER

TEMPORARY SLOPE INTERCEPT

WETLAND BOUNDARY

EXISTING R/W

ROAD WORK AHEAD
W20-1A

INSTALL 500' FROM INTERSECTION

WO1-4L

INSTALL 350' FROM INTERSECTION

STAGE 2 DESCRIPTION

CONSTRUCT PROPOSED CTH B SOUTHBOUND LANES.

UTILIZE TWO WAY TRAFFIC ON EXISTING CTH B NORTHBOUND LANES.

END ROAD WORK
G20-2A
48"X24"

16+00 'US'
USH 12/STH 29

500'

M1-5A 24"X24"
COUNTY B
ROAD WORK AHEAD
W20-1A

MB

SEE SDD "BARRICADES AND SIGN FOR VARIOUS CLOSURES" FOR BARRICADE LAYOUT

TRAFFIC CONTROL LEGEND

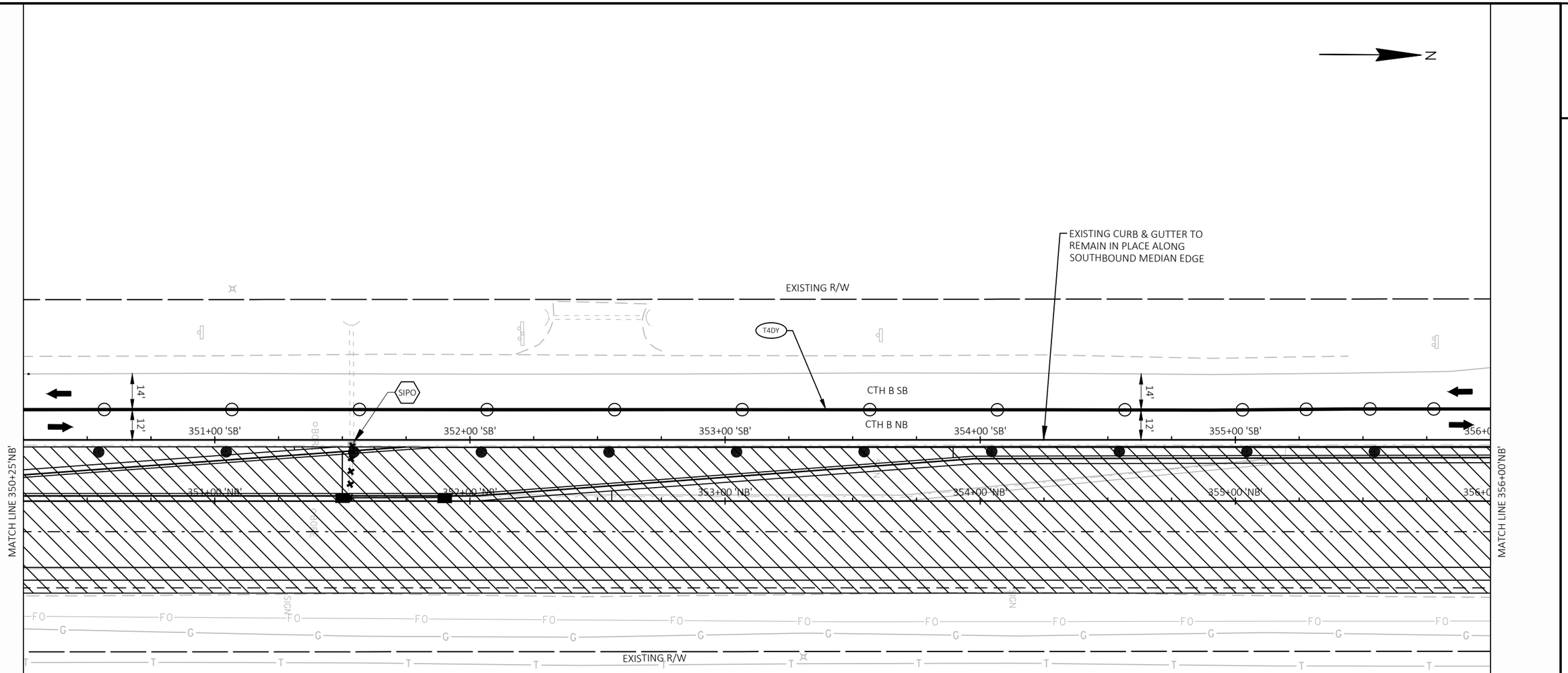
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
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TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 2	SHEET 158	E

2



TRAFFIC CONTROL LEGEND

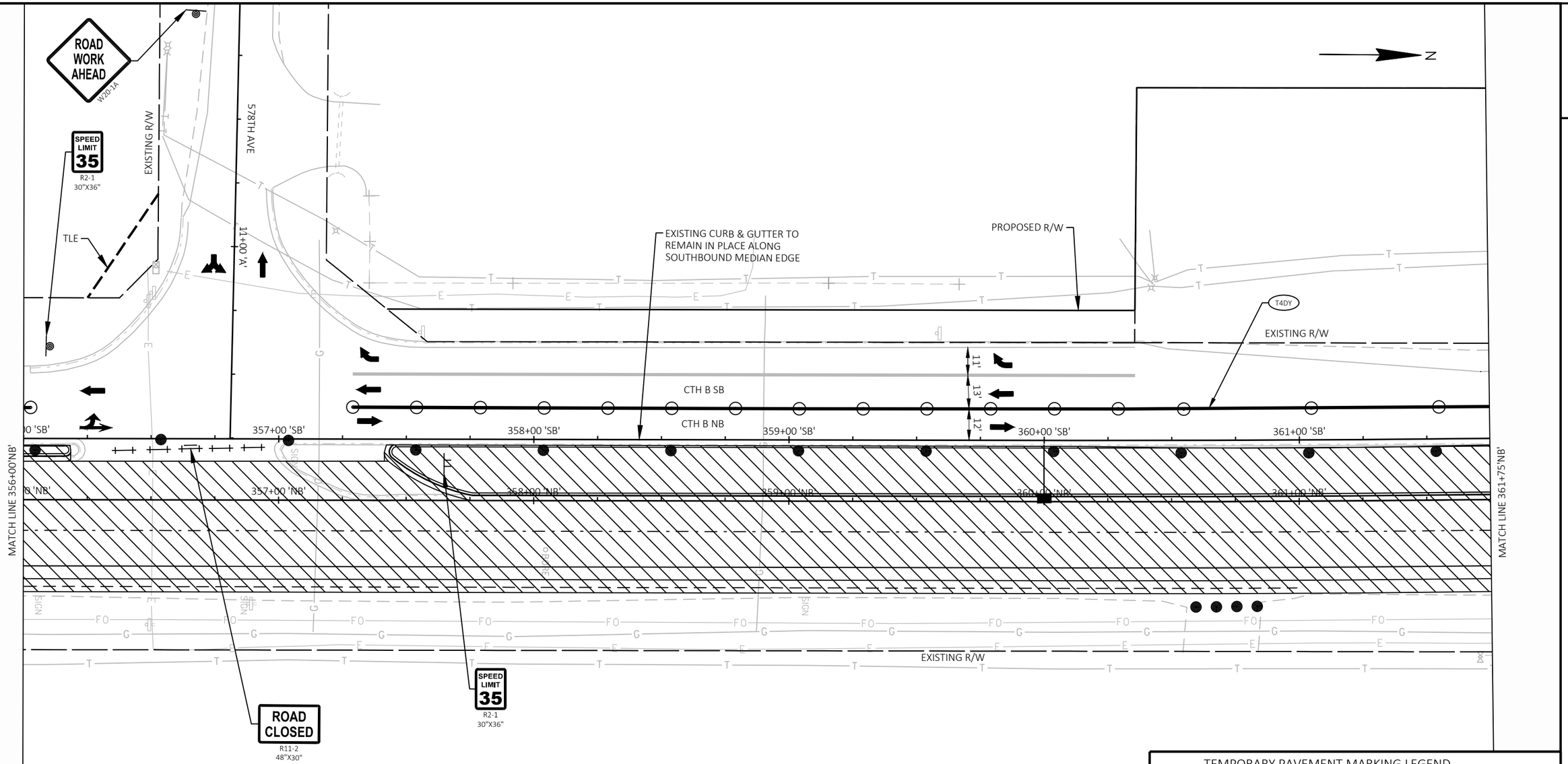
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
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- SIGN ON PERMANENT SUPPORT
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- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
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- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
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TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 2	SHEET 159	E

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
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TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 2	SHEET 160	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026003-S2.DWG
LAYOUT NAME - 03

PLOT DATE : 8/25/2023 5:45 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

EXISTING CURB & GUTTER TO
REMAIN IN PLACE ALONG
SOUTHBOUND MEDIAN EDGE

EXISTING R/W

SIPO

T4DY

14'

13'

CTH B SB

CTH B NB

14'

12'

362+00 'SB'

363+00 'SB'

364+00 'SB'

365+00 'SB'

366+00 'SB'

367+00 'SB'

362+00 'NB'

363+00 'NB'

364+00 'NB'

365+00 'NB'

366+00 'NB'

367+00 'NB'

MATCH LINE 361+75'NB'

MATCH LINE 367+50'NB'

EXISTING R/W

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- XXX CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

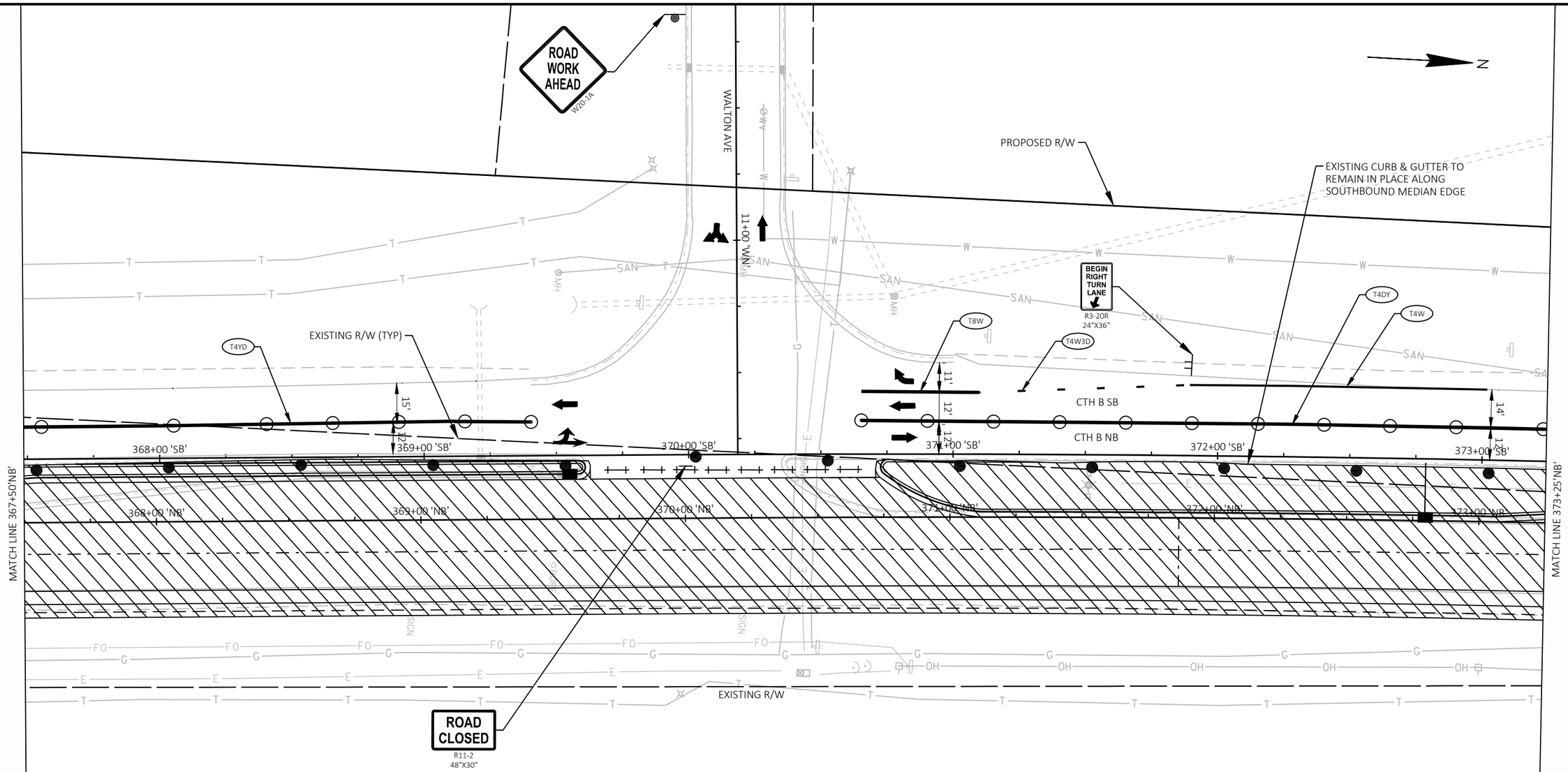
T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 2	SHEET 161	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026003-S2.DWG
LAYOUT NAME - 04

PLOT DATE : 8/25/2023 5:45 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- XXX CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 2	SHEET 162	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026003-S2.DWG
LAYOUT NAME - 05
PLOT DATE : 8/25/2023 5:45 PM
PLOT BY : CHRIS BURNS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

ROAD WORK AHEAD
W20-1A

TLE

PROPOSED R/W

DISTRIBUTION CENTER DRIVEWAY

12+00 'DC'

13+00 'DC'

N

EXISTING CURB & GUTTER TO REMAIN IN PLACE ALONG SOUTHBOUND MEDIAN EDGE

SIPO

EXISTING R/W (TYP)

SPEED LIMIT 35
R2-1
30"X36"

T4DY

T8W

T4DY

14'

12'

CTH B SB

CTH B NB

374+00 'SB'

375+00 'SB'

376+00 'SB'

377+00 'SB'

378+00 'SB'

379+0

EB: 14+45.25 'DC'

374+00 'NB'

375+00 'NB'

376+00 'NB'

377+00 'NB'

378+00 'NB'

379+0

MATCH LINE 373+25'NB'

MATCH LINE 379+00'NB'

EXISTING R/W

STA 375+03 'NB'
(3) EXISTING CPRC
24-INCH TO REMAIN

ROAD CLOSED
R11-2
48"X30"

SPEED LIMIT 35
R2-1
30"X36"

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 2	SHEET 163	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026003-S2.DWG
LAYOUT NAME - 06

PLOT DATE : 8/25/2023 5:45 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

EXISTING R/W

T8W

EXISTING CURB & GUTTER TO REMAIN IN PLACE ALONG SOUTHBOUND MEDIAN EDGE

T4DY

SIPO

11'

14'

12'

CTH B SB

CTH B NB

14'

12'

380+00 'SB'

381+00 'SB'

382+00 'SB'

383+00 'SB'

384+00 'SB'

MATCH LINE 379+00'NB'

380+00 'NB'

381+00 'NB'

382+00 'NB'

383+00 'NB'

384+00 'NB'

MATCH LINE 384+75'NB'

EXISTING R/W

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- XXX CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 2	SHEET 164	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026003-S2.DWG
LAYOUT NAME - 07

PLOT DATE : 8/25/2023 5:45 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

W24-1L

EXISTING R/W

T4DY

EXISTING CURB & GUTTER TO REMAIN IN PLACE ALONG SOUTHBOUND MEDIAN EDGE

14'

12'

CTH B SB

CTH B NB

385+00 'SB' 386+00 'SB' 387+00 'SB' 388+00 'SB' 389+00 'SB' 390+00 'SB'

385+00 'NB' 386+00 'NB' 387+00 'NB' 388+00 'NB' 389+00 'NB' 390+00 'NB'

MATCH LINE 384+75 'NB'

MATCH LINE 390+50 'NB'

EXISTING R/W

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 2	SHEET 165	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026003-S2.DWG
LAYOUT NAME - 08

PLOT DATE : 8/25/2023 5:45 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

NOTE (1)

PATCH CURB & GUTTER REMOVAL WITH ASPHALTIC SURFACE TEMPORARY AND ASPHALTIC CURB.

EXISTING R/W

EXISTING CURB & GUTTER TO REMAIN IN PLACE ALONG SOUTHBOUND MEDIAN EDGE

W1-6
48"X24"

T4DY

SEE SDD "TRAFFIC CONTROL, PARTIAL LANE SHIFT NON-FREEWAY/EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER" FOR ADDITIONAL DETAILS REQ'D FOR PARTIAL LANE SHIFT

T4W

EXISTING INLET REMOVAL
REMOVE EXISTING CURB & GUTTER
STA 394+25 - STA 394+70
NOTE (1)

11'

11'

CTH B SB

CTH B NB

391+00 'SB'

392+00 'SB'

393+00 'SB'

394+00 'SB'

395+00 'SB'

396+00 'SB'

391+00 'NB'

392+00 'NB'

393+00 'NB'

394+00 'NB'

395+00 'NB'

396+00 'NB'

MATCH LINE 390+50'NB'

MATCH LINE 396+25'NB'

EXISTING R/W

STA 394+36'NB'
EXISTING 24-INCH CPRC TO REMAIN

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

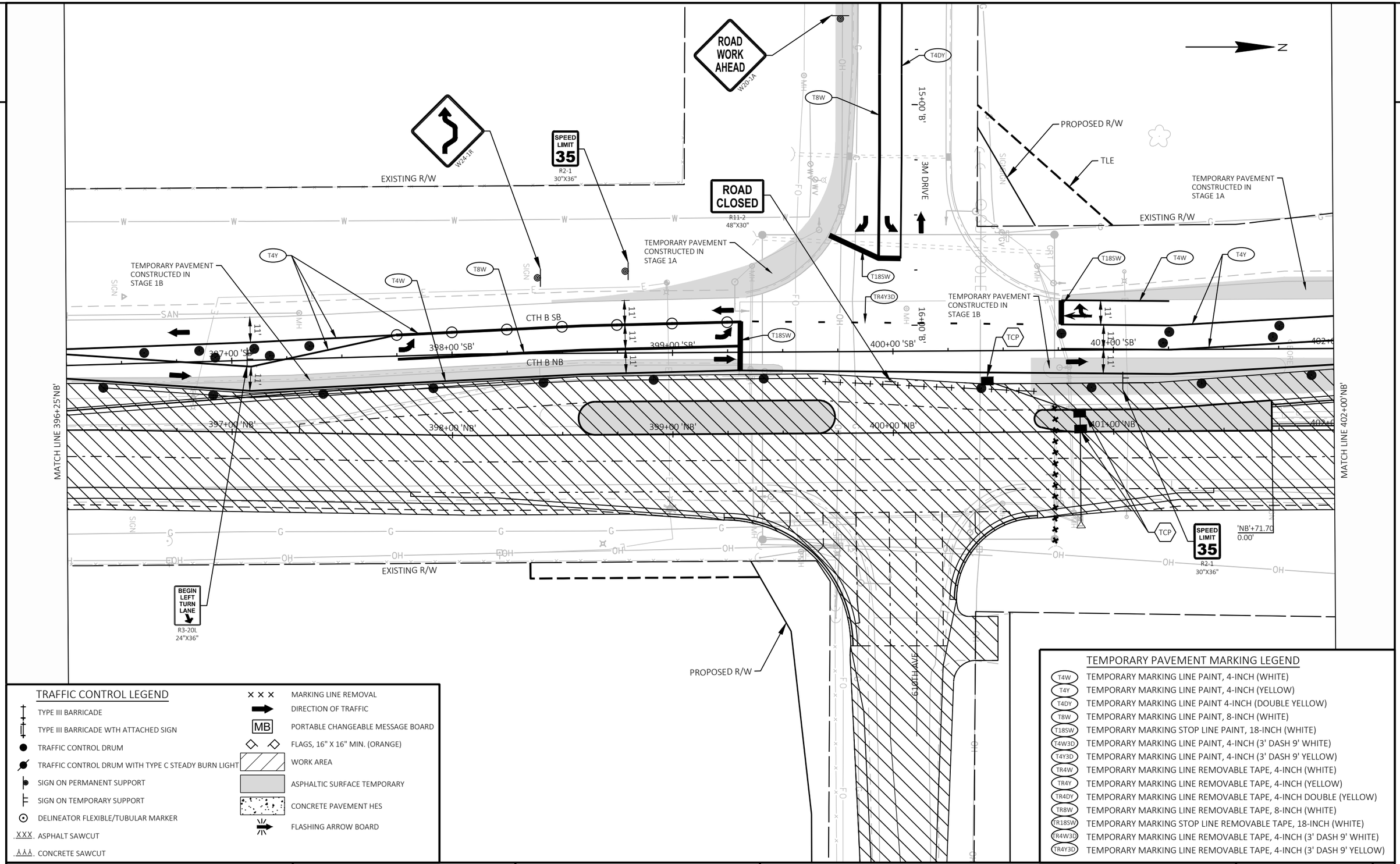
T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
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TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 2	SHEET 166	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026003-S2.DWG
LAYOUT NAME - 09

PLOT DATE : 8/25/2023 5:45 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- XXX CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

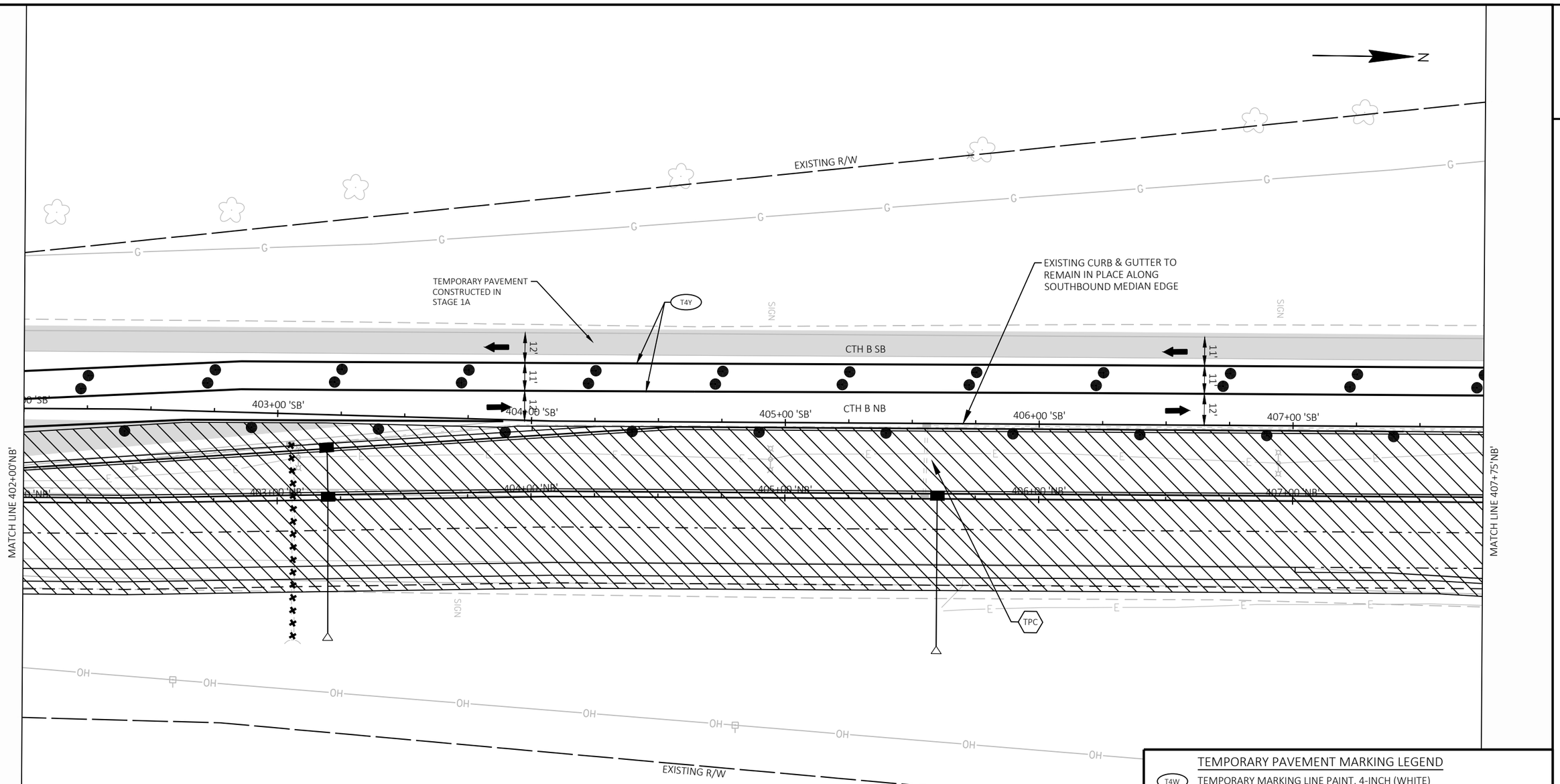
TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 2	SHEET 167	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026003-S2.DWG
LAYOUT NAME - 10
PLOT DATE : 8/25/2023 5:45 PM
PLOT BY : CHRIS BURNS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 2	SHEET 168	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026003-S2.DWG
LAYOUT NAME - 11
PLOT DATE : 8/25/2023 5:45 PM
PLOT BY : CHRIS BURNS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

EXISTING R/W

IH 94 EB OFF-RAMP

SPEED LIMIT 35
R2-1
30"X36"

TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 1A

EXISTING CURB & GUTTER TO REMAIN IN PLACE ALONG SOUTHBOUND MEDIAN EDGE

'NB'+38.19
53.11'LT

T4Y
TR4Y
TR8W
CTH B SB
VARIES
11'
CTH B NB
TR4W
TR18SW
TR4Y3D
12'

408+00 'SB'
409+00 'SB'
410+00 'SB'
411+00 'SB'
412+00 'SB'
408+00 'NB'
409+00 'NB'
410+00 'NB'
411+00 'NB'
412+00 'NB'

TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 1B

BEGIN LEFT TURN LANE
R3-20L
24"X36"

MATCH LINE 407+75 'NB'

MATCHLINE STA 413+75 'NB'

ROAD CLOSED
R11-2
48"X30"

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

'NB'+70.08
37.07'RT
'NB'+11.64
44.00'RT
'NB'+86.64
44.00'RT
'NB'+27.15
64.69'RT
'NB'+66.76
86.14'RT
'NB'+87.40
43.67'RT
'NB'+95.80
42.25'RT

CONCRETE SAWCUT REQ'D.
REMOVE CURB & GUTTER.
PLACE TEMPORARY PAVEMENT.

1' AGG. SHOULDER

IH 94 EB ON-RAMP

TEMPORARY SLOPE INTERCEPT

N

2

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- .XXX. ASPHALT SAWCUT
- .XXX. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

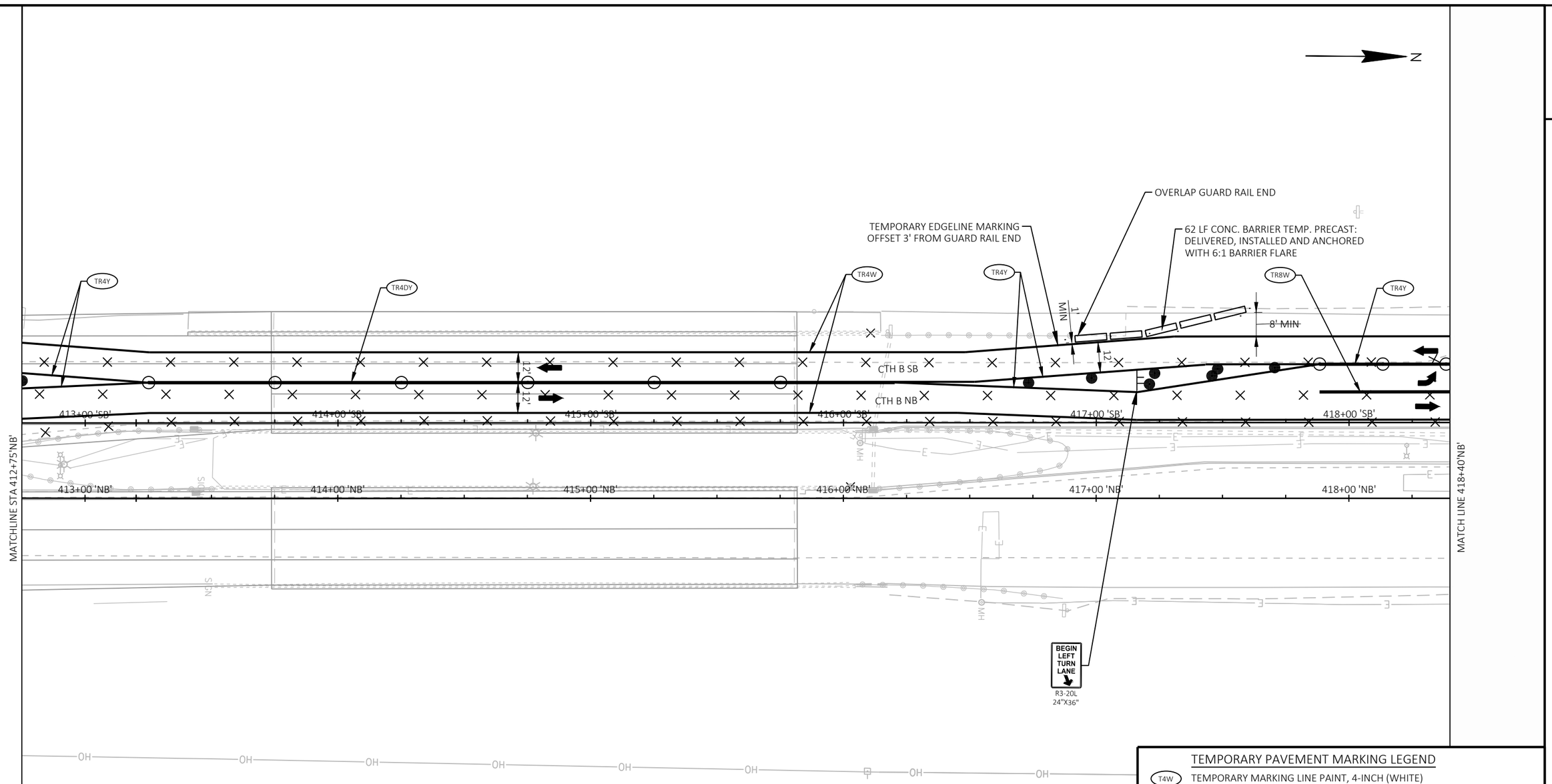
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 2	SHEET 169	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026003-S2.DWG
LAYOUT NAME - 12

PLOT DATE : 8/25/2023 5:46 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- XXX CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 2	SHEET 170	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026003-S2.DWG
LAYOUT NAME - 13
PLOT DATE : 8/25/2023 5:46 PM
PLOT BY : CHRIS BURNS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

EXISTING R/W (TYP)

SPEED LIMIT 35
R2-1
30"X36"

IH 94 WB ON-RAMP

TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 1A

TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 1A

T4W
T8W
T4Y
T4DY
T18SW
TR4W
TR4Y
TR18SW
TR8W
TR4Y3D

11'

CTH B SB

CTH B NB

419+00 'SB'
420+00 'SB'
421+00 'SB'
422+00 'SB'
423+00 'SB'
424+00 'SB'

419+00 'NB'
420+00 'NB'
421+00 'NB'
422+00 'NB'
423+00 'NB'
424+00 'NB'

MATCH LINE 418+40'NB'

MATCH LINE 424+25'NB'

TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 1B

WORK BY OTHERS - PROJECT 1009-48-70 LOCAL COUNTY PROJECT

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED
R11-2
48"X30"

SPEED LIMIT 35
R2-1
30"X36"

SEE ADDITIONAL INTERSECTION DETAIL SHEET FOR A COMPLETE VIEW OF THE IH 94 WB OFF RAMP INTERSECTION LANE CONFIGURATION

BEGIN CONSTRUCTION
STA 57+89.93'NB'
MATCH EXISTING
SAW CUT REQ'D

614TH ST

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 2	SHEET 171	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026003-S2.DWG
LAYOUT NAME - 14

PLOT DATE : 8/29/2023 12:28 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

STAGE 2
TRAFFIC IS COUNTER-DIRECTIONAL
ON SOUTHBOUND ROADWAY

MESSAGE
NO LEFT TURN 628TH

N

ONE LANE ROAD AHEAD
W20-4A

PLACE SIGN 350' AHEAD OF W20-7A FLAGGING SIGN

BADGER DR

EXISTING R/W

SPEED LIMIT 35
R2-1
30"X36"

R3-2
24"X24"

LANE CLOSED
R11-2L
48"X30"

TEMPORARY ASPHALT BY OTHERS

T4W
T24SW
TR4W
TR4Y
TR4W3D

MB

25'
12'
20'

CTH B SB
CTH B NB

TEMP - ASPHALT (BY OTHERS)

425+00 'SB'
426+00 'SB'
427+00 'SB'
428+00 'SB'
429+00 'SB'
430+0

425+00 'NB'
426+00 'NB'
427+00 'NB'
428+00 'NB'
429+00 'NB'
430+0

EXISTING MEDIAN

NEW PAVEMENT BY OTHERS

MATCH LINE 424+25'NB'

MATCH LINE 430+00'NB'

WORK BY OTHERS -
PROJECT 1009-48-70 LOCAL COUNTY PROJECT

ROTATE RAILROAD ARM 180°

ROAD CLOSED
R11-2
48"X30"

W01-4L

628TH AVE

UNION PACIFIC RAILROAD COMPANY

EXISTING R/W

WORK BY OTHERS:
MAINTAIN ACCESS TO 628TH AVE BY CONSTRUCTING INTERSECTION IN HALVES AND SHIFTING TRAFFIC APPROPRIATELY. SEE 628TH AVE DETAIL SHEET FOR ADDITIONAL STAGING.

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TR24SW NOTE 1: CREATE A 24-INCH RAILROAD STOP BAR BY OVERLAPPING 2 STRIPS OF 18-INCH TAPE

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 2	SHEET 172	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026003-S2.DWG
LAYOUT NAME - 15

PLOT DATE : 9/25/2023 4:50 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

EXISTING CURB & GUTTER TO REMAIN IN PLACE ALONG SOUTHBOUND MEDIAN EDGE

EXISTING R/W

PACKER DR NE

SPEED LIMIT 35

R2-1 30"X36"

T4DY

T4W

CTH B SB

CTH B NB

431+00 'SB'

432+00 'SB'

433+00 'SB'

434+00 'SB'

435+00 'SB'

431+00 'NB'

432+00 'NB'

433+00 'NB'

434+00 'NB'

435+00 'NB'

WORK BY OTHERS - PROJECT 1009-48-70 LOCAL COUNTY PROJECT

MATCH LINE 435+75'NB'

EXISTING R/W

W20.7A

PLACE SIGN 350' AHEAD OF FLAGGER

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- XXX CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 2	SHEET 173	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026003-S2.DWG
LAYOUT NAME - 16

PLOT DATE : 8/29/2023 12:28 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

EXISTING R/W

T4DY

T4W

TRAFFIC CONTROL MARKINGS & DEVICES
BY OTHERS

CTH B SB

SAWCUT REQ'D

CTH B NB

436+00 'SB'

436+00 'NB'

437+00 'SB'

437+00 'NB'

438+00 'SB'

438+00 'NB'

439+00 'SB'

439+00 'NB'

440+00 'SB'

440+00 'NB'

441+00 'SB'

441+00 'NB'

CTH B SB

CTH B NB

WORK BY OTHERS -
PROJECT 1009-48-70 LOCAL
COUNTY PROJECT

MATCH LINE 441+50'NB'

EXISTING R/W

TRAFFIC CONTROL MARKINGS & DEVICES
BY OTHERS

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- XXX CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
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TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
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TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

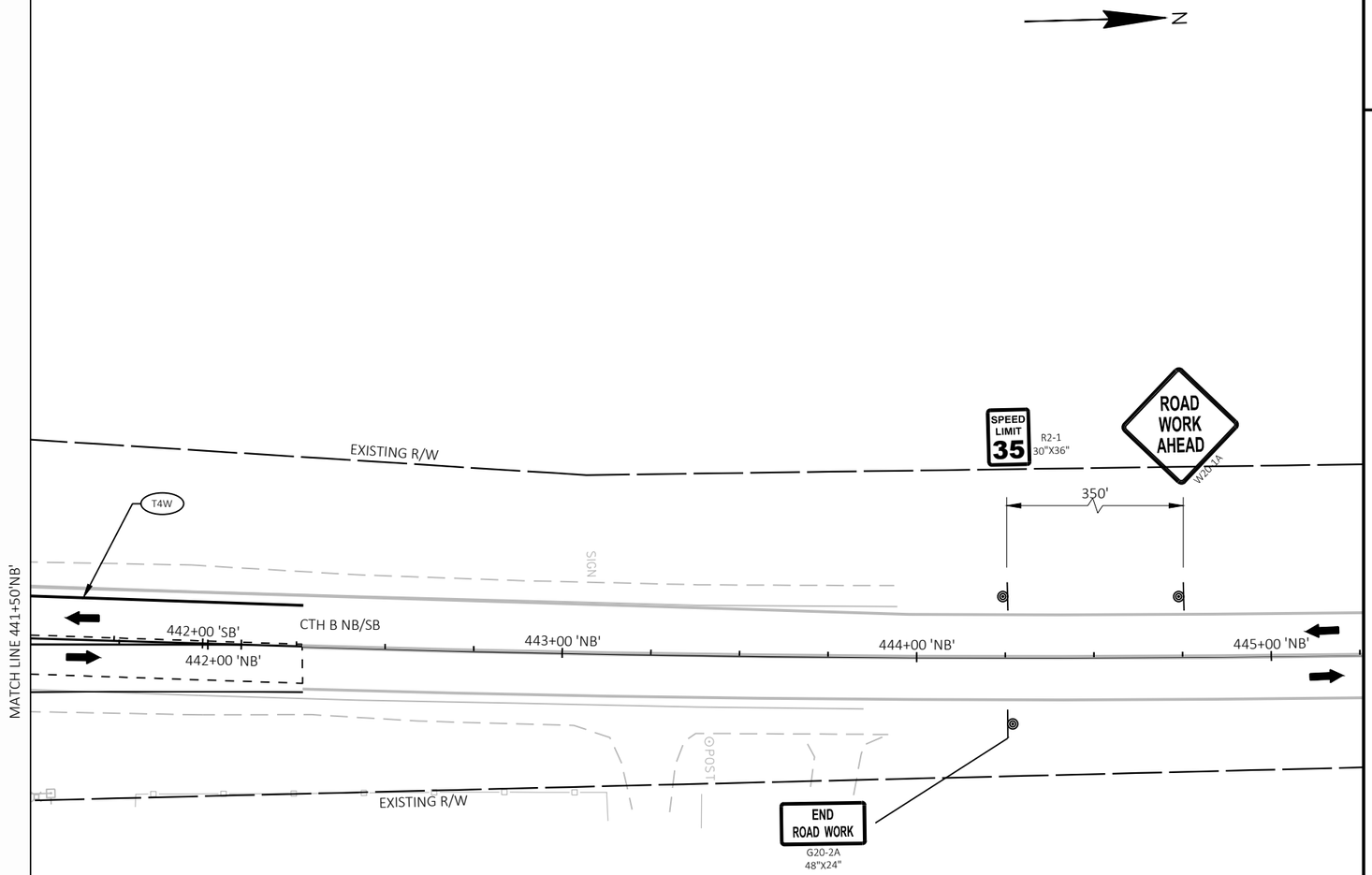
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 2	SHEET 174	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026003-S2.DWG
LAYOUT NAME - 17

PLOT DATE : 8/29/2023 12:28 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 2	SHEET 175	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026003-S2.DWG
LAYOUT NAME - 18
PLOT DATE : 8/25/2023 5:46 PM
PLOT BY : CHRIS BURNS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

EXISTING R/W

LANE CLOSED
R11-2L
48"X30"

ROAD WORK AHEAD
W20-1A

500'

IH 94 WB OFF-RAMP

A19+00 NB

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
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- FLAGS, 16" X 16" MIN. (ORANGE)
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- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
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T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
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TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 2	SHEET 176	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026003-S2.DWG
LAYOUT NAME - 20

PLOT DATE : 8/25/2023 5:46 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

M1-5A 24"X24"
COUNTY B
ROAD WORK AHEAD
W20-1A

MB

USH 12/STH 29

500'

END ROAD WORK
G20-2A
48"X24"

ROAD CLOSED
R11-2
48"X30"

TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 1B

BEGIN CONSTRUCTION
STA 348+30.00'SB'
MATCH EXISTING
SAW CUT REQ'D

SEE SDD "TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION" FOR TRAFFIC CONTROL DEVICES AND SIGNING REQ'D FOR CTH B TWO WAY TRAFFIC

EXISTING R/W

N

END ROAD WORK
G20-2A
48"X24"

EXISTING R/W

500'

347+00 'SB'
348+00 'SB'
349+00 'SB'
350+00 'SB'

TR4Y3D

610TH ST

345+00 'NB'
346+00 'NB'
347+00 'NB'
348+00 'NB'
349+00 'NB'
350+00 'NB'

XXXXXXXXXXXXX XXXX

CTH B SB

TR18SW

T4W

TR4DY

CTH B NB

MATCH LINE 350+25'NB'

SEE MARKING PLAN FOR PERMANENT WHITE EDGE LINE MARKING

INSTALL 350' FROM INTERSECTION

W01-4R

EXISTING R/W

SPEED LIMIT 35
R2-1
30"X36"

ROAD WORK AHEAD
W20-1A

W01-4R

INSTALL 500' FROM INTERSECTION

INSTALL 350' FROM INTERSECTION

STAGE 3 DESCRIPTION

CONSTRUCT PROPOSED CTH B NORTHBOUND LANES.

UTILIZE TWO WAY TRAFFIC ON NEWLY BUILT CTH B SOUTHBOUND LANES.

EXISTING R/W

TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 2

WETLAND BOUNDARY

SEE USH 12/STH 29 WB SHEETS FOR RIGHT TURN LANE CLOSURE DETAILS TO TAKE PLACE DURING CTH B MEDIAN CONSTRUCTION

USH 12/STH 29

MB

MATCHLINE STA 16+75

TRAFFIC CONTROL LEGEND

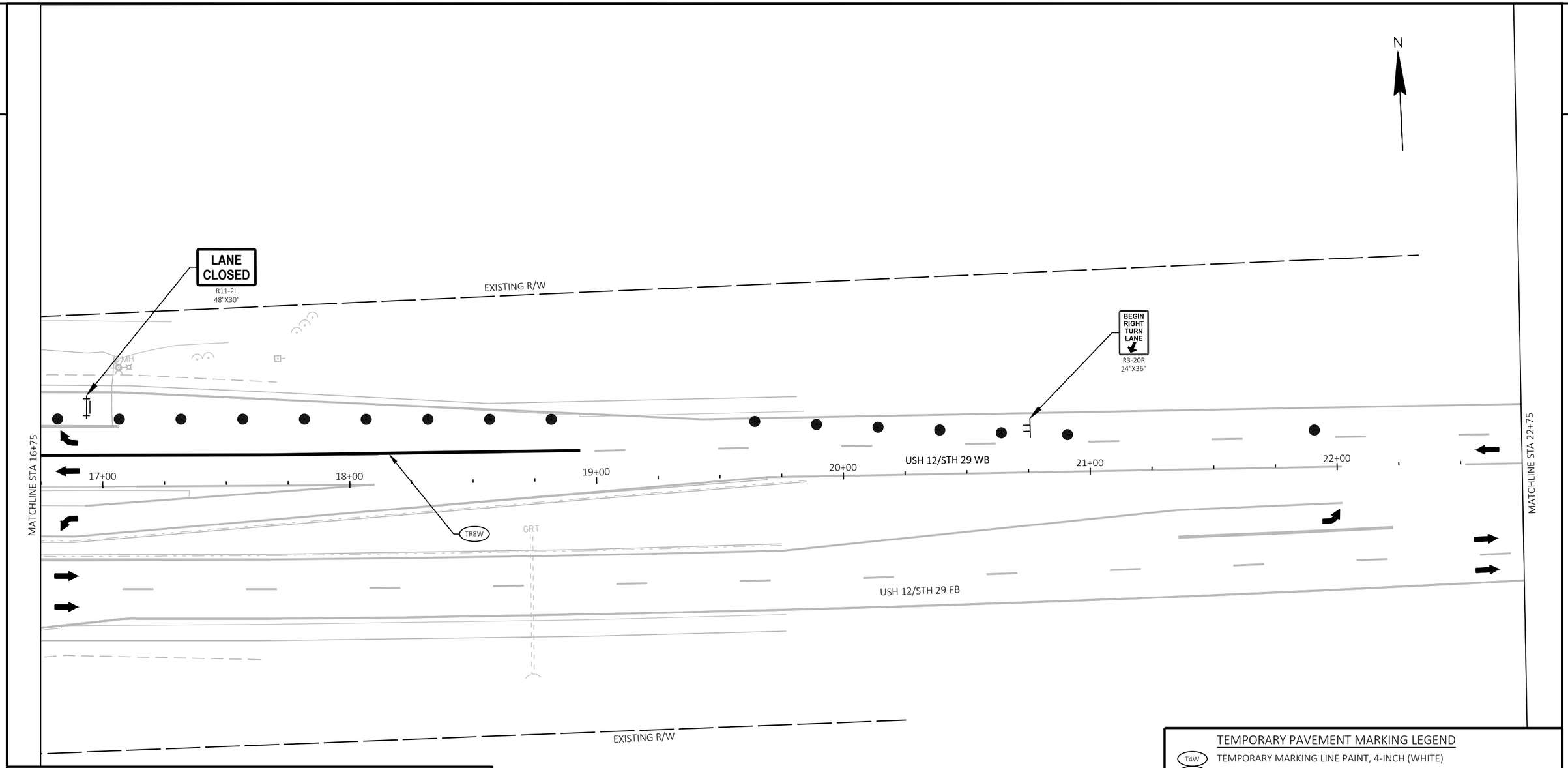
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 177	E

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
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T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
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T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
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TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 178	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026006-S3.DWG
LAYOUT NAME - 02
PLOT DATE : 8/25/2023 5:55 PM
PLOT BY : CHRIS BURNS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

LANE CLOSED
R11-2L
48"X30"

MATCHLINE STA 22+75

23+00 24+00 25+00 USH 12/STH 29 WB 26+00 27+00 28+00

MATCHLINE STA 28+50

USH 12/STH 29 EB

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
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- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

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TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 179	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026006-S3.DWG
LAYOUT NAME - 03
PLOT DATE : 8/25/2023 5:55 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

SEE SDD "TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT" FOR TRAFFIC CONTROL DEVICES AND SIGNING REQUIRED FOR USH 12/STH 29 WB RIGHT LANE CLOSURE DURING CTH B MEDIAN WORK







500'

500'

MATCHLINE STA 28+50

29+00

30+00

USH 12/STH 29 WB

USH 12/STH 29 EB



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- .XXX. ASPHALT SAWCUT
- .XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
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T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
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T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
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TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
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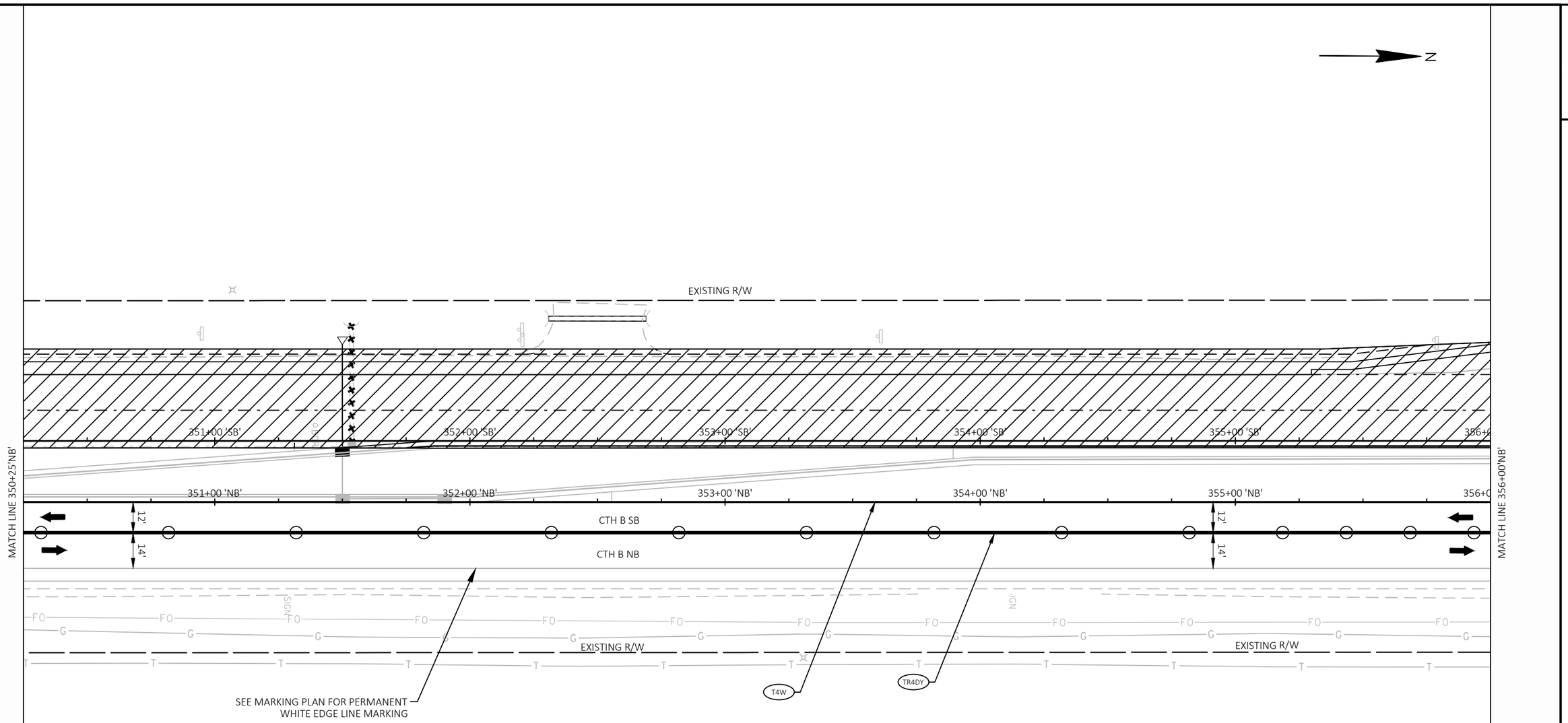
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 180	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026006-S3.DWG
LAYOUT NAME - 04

PLOT DATE : 8/25/2023 5:55 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

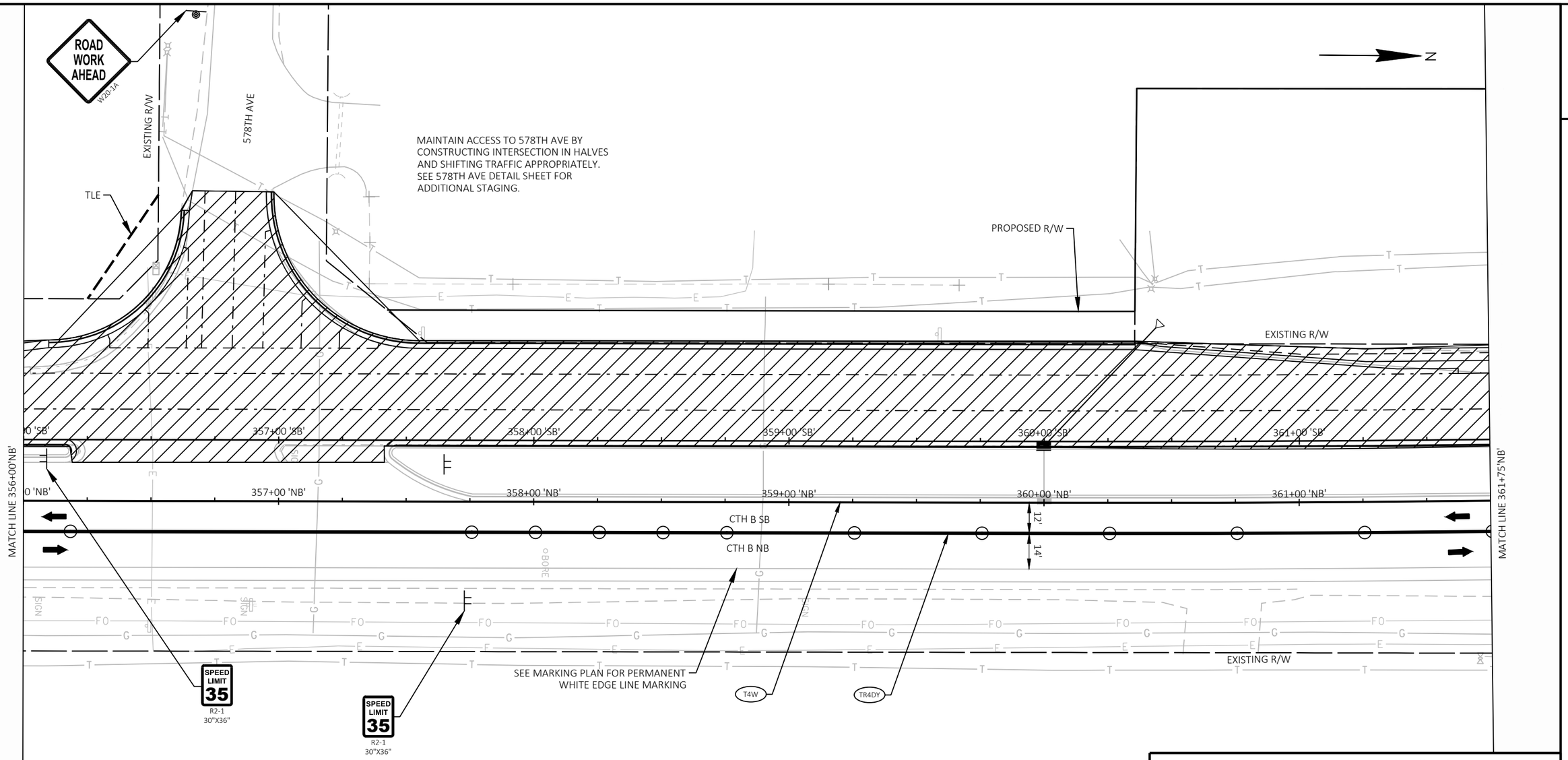
T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
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TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 181	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026006-S3.DWG
LAYOUT NAME - 05

PLOT DATE : 8/25/2023 5:55 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
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TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 182	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026006-S3.DWG
LAYOUT NAME - 06
PLOT DATE : 8/25/2023 5:55 PM
PLOT BY : CHRIS BURNS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

EXISTING R/W

EXISTING R/W

362+00 'SB'

363+00 'SB'

364+00 'SB'

365+00 'SB'

366+00 'SB'

367+00 'SB'

MATCH LINE 361+75'NB'

362+00 'NB'

363+00 'NB'

364+00 'NB'

365+00 'NB'

366+00 'NB'

367+00 'NB'

MATCH LINE 367+50'NB'

CTH B SB

12'

CTH B NB

14'

SIGN

EXISTING R/W

SEE MARKING PLAN FOR PERMANENT WHITE EDGE LINE MARKING

T4W

TR4DY

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
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TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
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TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

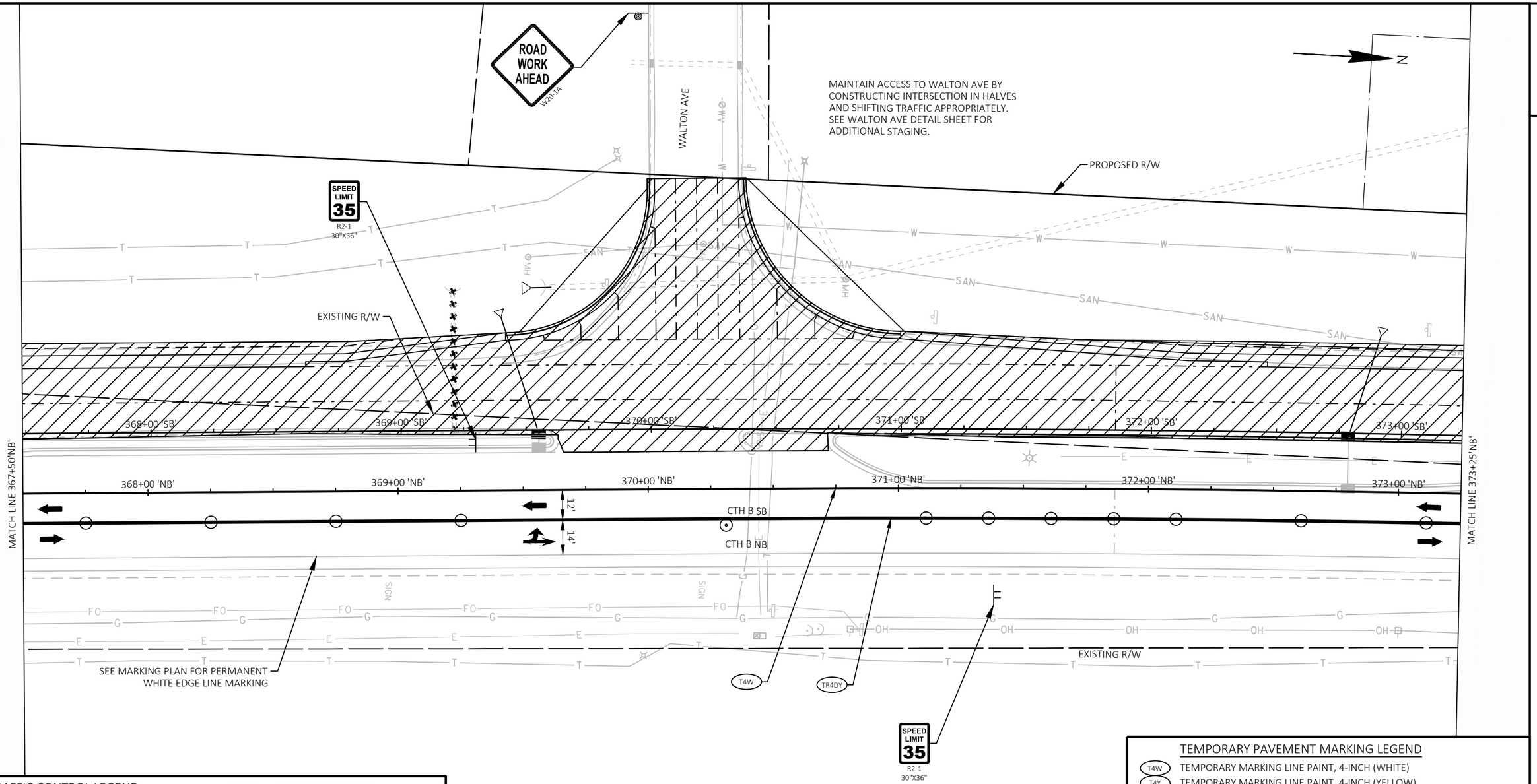
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 183	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026006-S3.DWG
LAYOUT NAME - 07

PLOT DATE : 8/25/2023 5:55 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- .XXX. ASPHALT SAWCUT
- .XXX. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

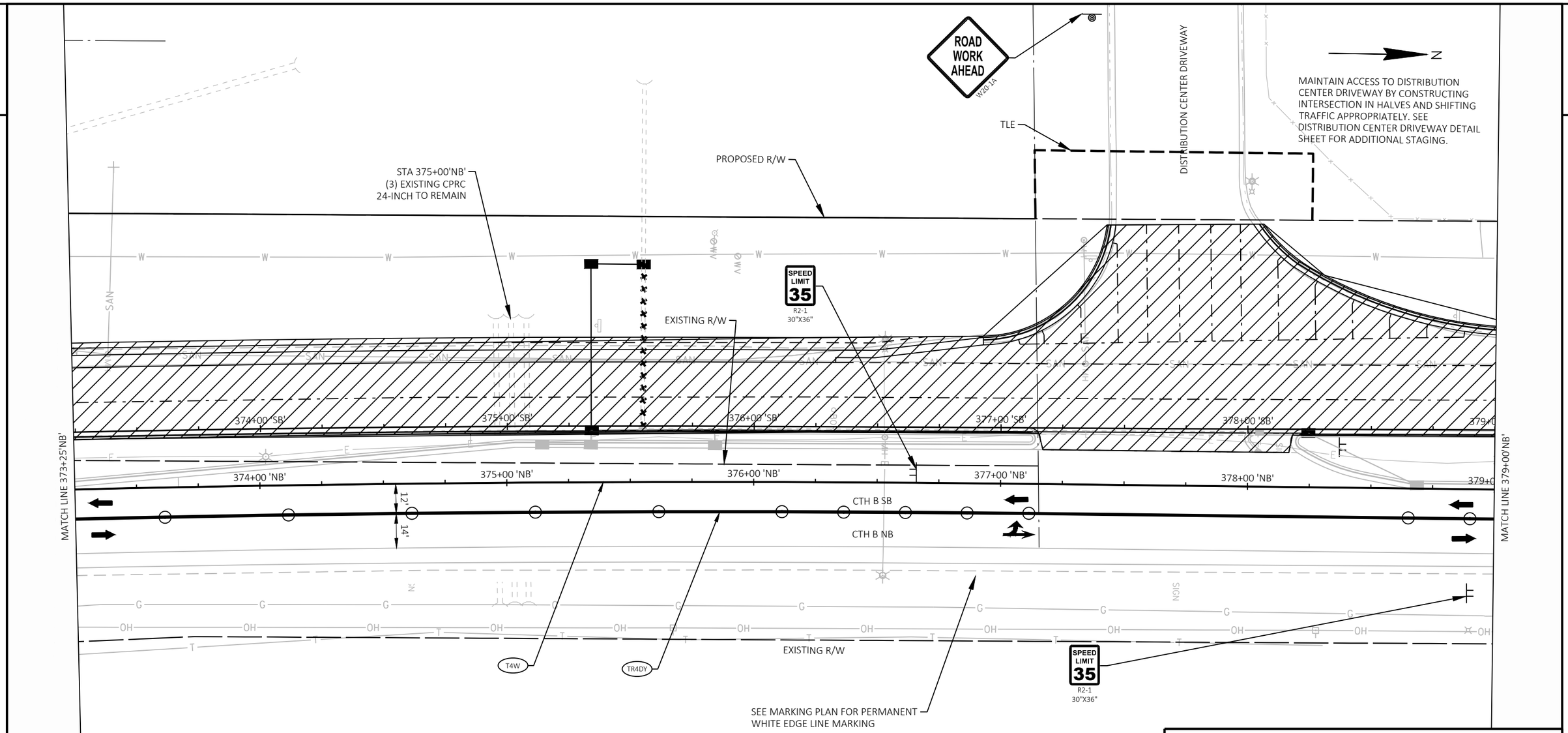
TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
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TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 184	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026006-S3.DWG
LAYOUT NAME - 08
PLOT DATE : 8/25/2023 5:55 PM
PLOT BY : CHRIS BURNS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 185	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026006-S3.DWG
LAYOUT NAME - 09
PLOT DATE : 8/25/2023 5:55 PM
PLOT BY : CHRIS BURNS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

EXISTING R/W

380+00 'SB' 381+00 'SB' 382+00 'SB' 383+00 'SB' 384+00 'SB'

380+00 'NB' 381+00 'NB' 382+00 'NB' 383+00 'NB' 384+00 'NB'

MATCH LINE 379+00'NB'

MATCH LINE 384+75'NB'

12'

14'

CTH B SB

CTH B NB

SEE MARKING PLAN FOR PERMANENT WHITE EDGE LINE MARKING

EXISTING R/W

T4W

TR4DY

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 186	E

2

N

EXISTING R/W

385+00 'SB' 386+00 'SB' 387+00 'SB' 388+00 'SB' 389+00 'SB' 390+00 'SB'

385+00 'NB' 386+00 'NB' 387+00 'NB' 388+00 'NB' 389+00 'NB' 390+00 'NB'

MATCH LINE 384+75'NB'

MATCH LINE 390+50'NB'

12'

14'

CTH B SB

CTH B NB

SEE MARKING PLAN FOR PERMANENT WHITE EDGE LINE MARKING

T4W

EXISTING R/W

TR4DY

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
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TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 187	E

2

2

N

EXISTING R/W

REMOVE TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 1A

391+00 'SB' 392+00 'SB' 393+00 'SB' 394+00 'SB' 395+00 'SB' 396+00 'SB'

MATCH LINE 390+50'NB'

391+00 'NB' 392+00 'NB' 393+00 'NB' 394+00 'NB' 395+00 'NB' 396+00 'NB'

MATCH LINE 396+25'NB'

12'
14'

CTH B SB

CTH B NB

SIGN

SEE MARKING PLAN FOR PERMANENT WHITE EDGE LINE MARKING

EXISTING R/W

T4W

TR4DY

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- XXX CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

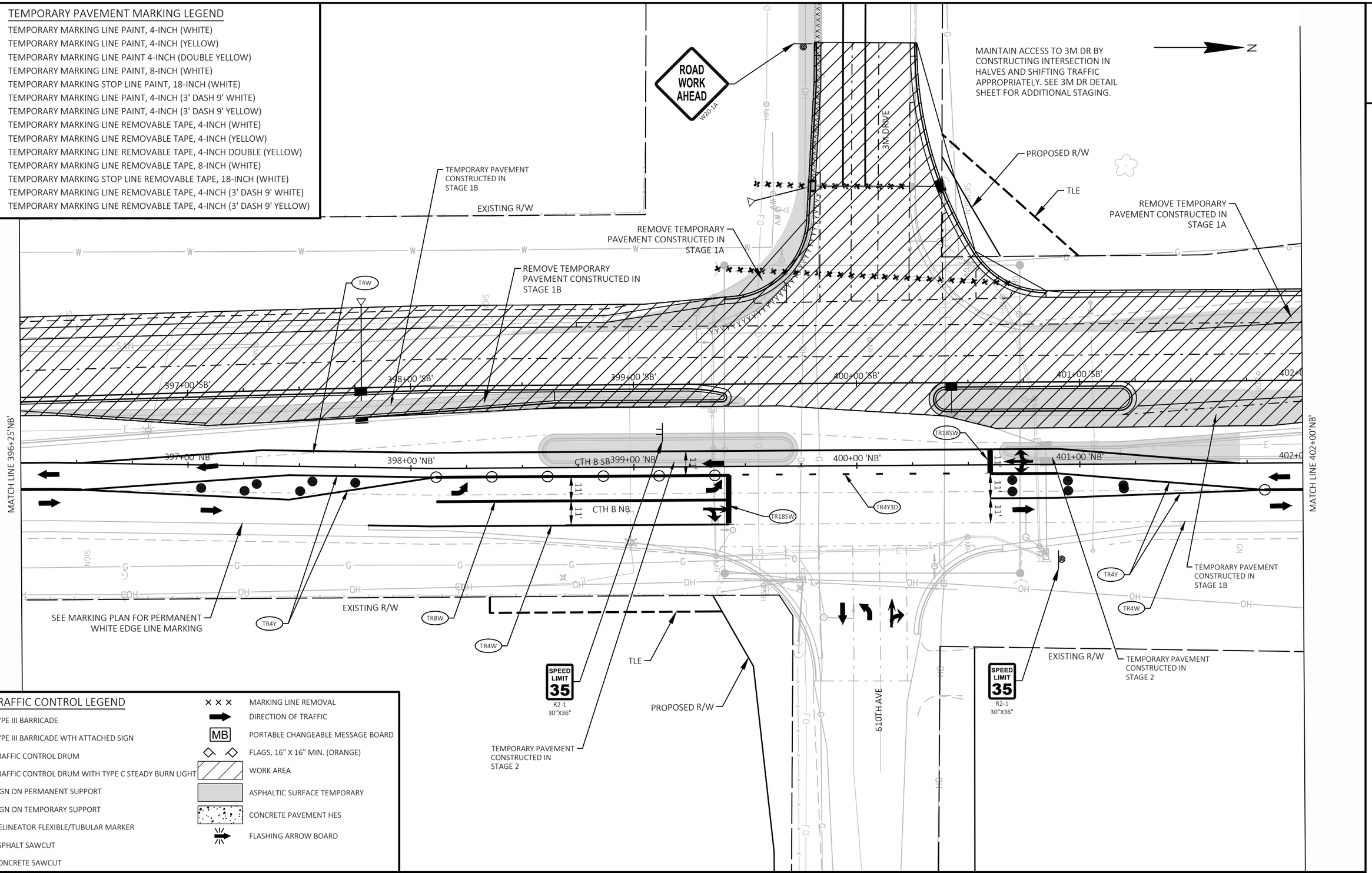
T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
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T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
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T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
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TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
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TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 188	E

2

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
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- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
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- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 189 E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026006-S3.DWG
LAYOUT NAME - 13

PLOT DATE : 8/25/2023 5:55 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

EXISTING R/W

REMOVE TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 1A

SIGN

SIGN

403+00 'SB'

404+00 'SB'

405+00 'SB'

406+00 'SB'

407+00 'SB'

T4W

403+00 'NB'

404+00 'NB'

405+00 'NB'

406+00 'NB'

407+00 'NB'

MATCH LINE 402+00 'NB'

12'

14'

CTH B SB

CTH B NB

12'

14'

MATCH LINE 407+75 'NB'

SIGN

TR4DY

TR4W

SEE MARKING PLAN FOR PERMANENT WHITE EDGE LINE MARKING

OH

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 190	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026006-S3.DWG
LAYOUT NAME - 14

PLOT DATE : 8/25/2023 5:55 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

EXISTING R/W

REMOVE TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 1A

BEGIN CONSTRUCTION STA 408+38.21"SB" MATCH EXISTING SAW CUT REQ'D

TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 1B

SPEED LIMIT 35 R2-1 30"X36"

IH 94 EB OFF-RAMP

408+00 'SB' 409+00 'SB' 410+00 'SB' 411+00 'SB' 412+00 'SB'

'NB'+58.50 0.00'

408+00 'NB' 409+00 'NB' 410+00 'NB' 411+00 'NB' 412+00 'NB'

CTH B SB

CTH B NB

11'

TR4W TR8W TR4Y TR18SW TR4Y3D T4W

TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 2

SPEED LIMIT 35 R2-1 30"X36"

IH 94 EB ON-RAMP

MATCH LINE 407+75 'NB'

MATCHLINE STA 412+75 'NB'

N

2

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

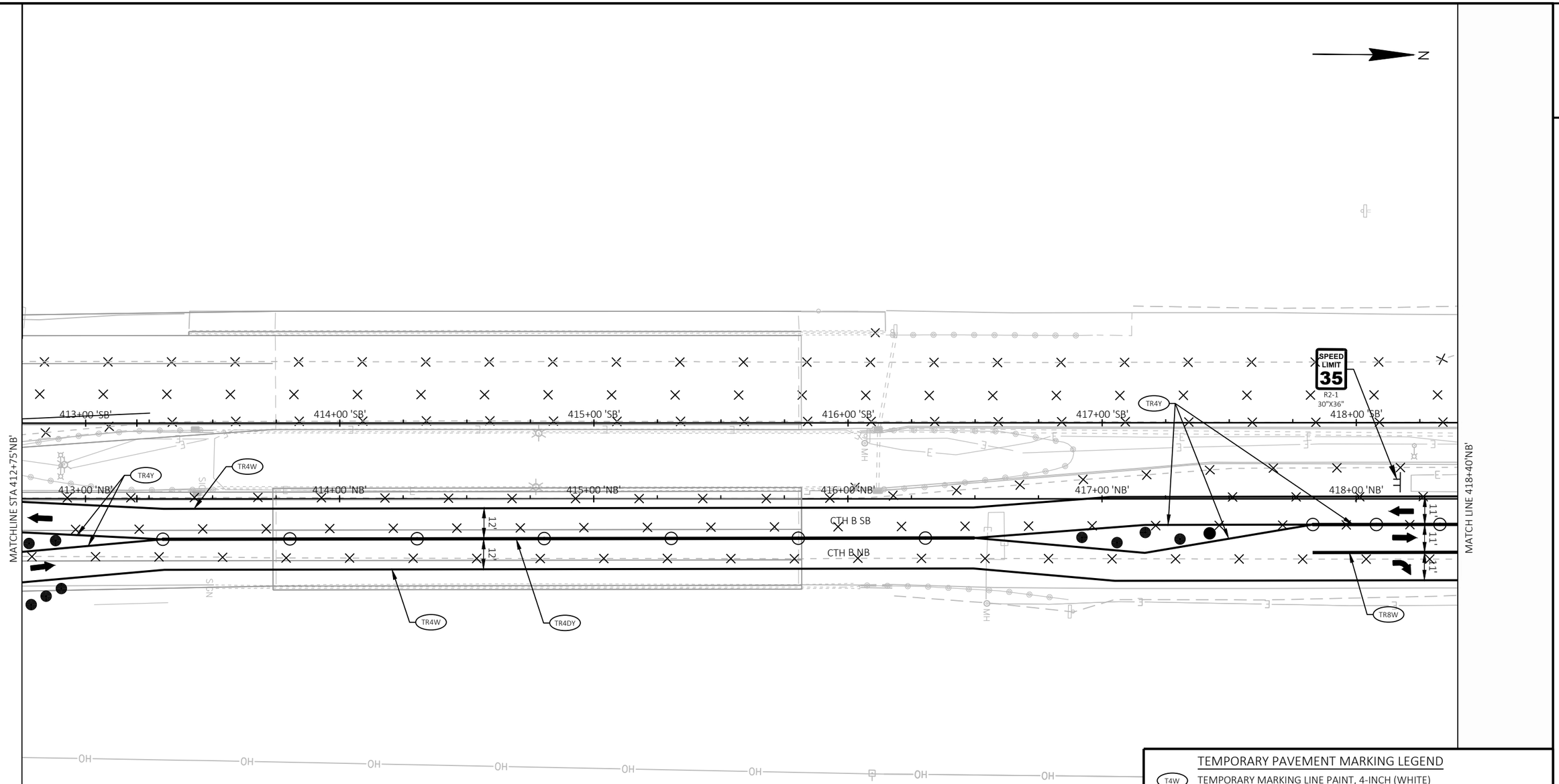
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 191	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026006-S3.DWG
LAYOUT NAME - 15

PLOT DATE : 8/25/2023 5:55 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- XXX CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

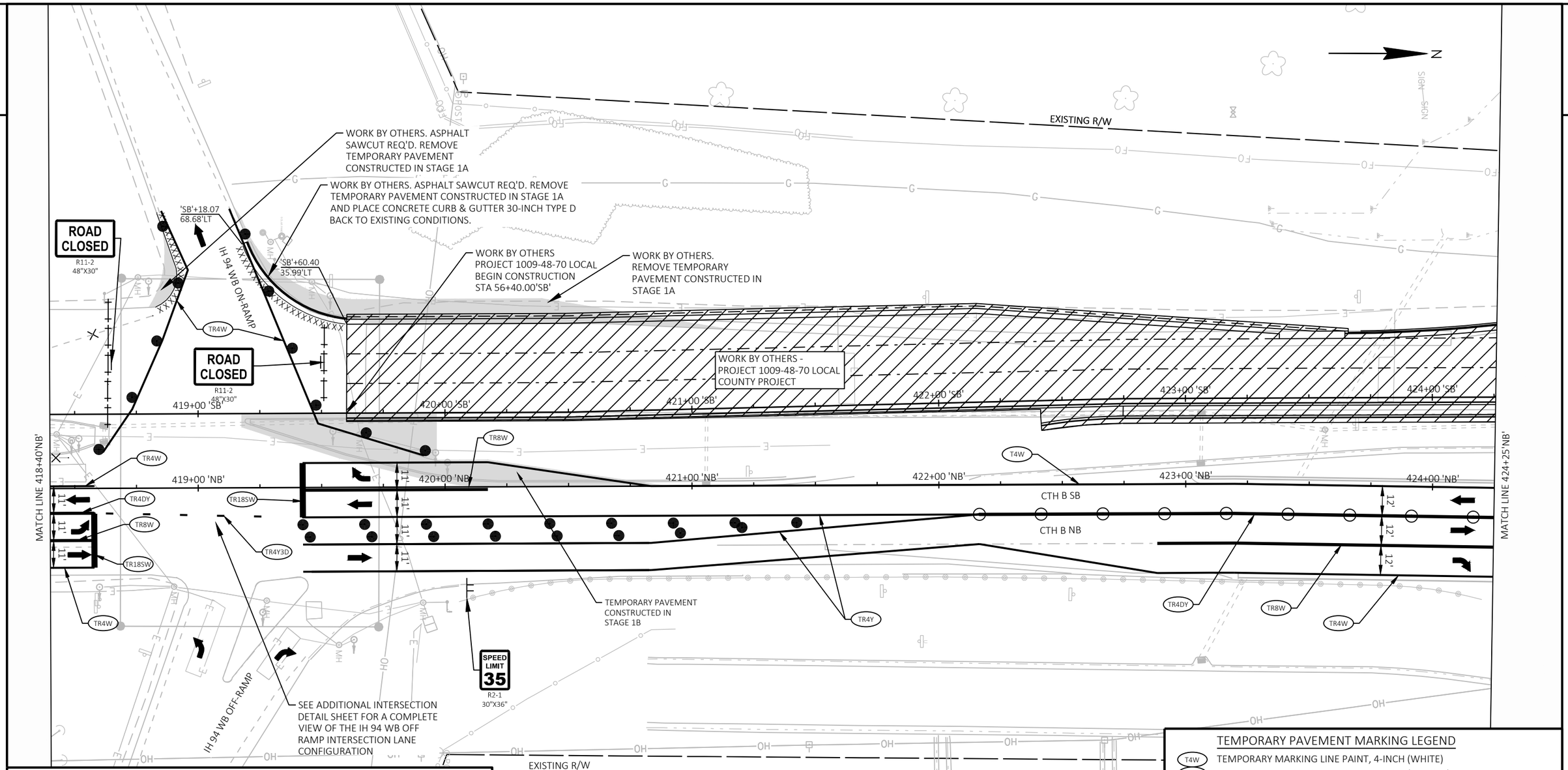
T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
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TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 192	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026006-S3.DWG
LAYOUT NAME - 16

PLOT DATE : 8/25/2023 5:55 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
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TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
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TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 193	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026006-S3.DWG
LAYOUT NAME - 17
PLOT DATE : 8/29/2023 12:28 PM
PLOT BY : CHRIS BURNS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

WORK BY OTHERS
MAINTAIN ACCESS TO BADGER DR BY CONSTRUCTING INTERSECTION IN HALVES AND SHIFTING TRAFFIC APPROPRIATELY. SEE BADGER DR DETAIL SHEET FOR ADDITIONAL STAGING.

STAGE 3
TRAFFIC IS COUNTER-DIRECTIONAL ON NEW NORTHBOUND PAVEMENT

N

BADGER DR

EXISTING R/W

SPEED LIMIT 35
R2-1
30"X36"

R3-2
24"X24"

R3-2
24"X24"

MESSAGE
NO LEFT TURN 628TH

WORK BY OTHERS - PROJECT 1009-48-70 LOCAL COUNTY PROJECT

NEW ISLAND UNDER CONSTRUCTION

EXISTING MEDIAN

EXISTING MEDIAN

MB

T4W

T24SW

25'

T24SW

T4W

T4DY

T8W

T4W

TR4DY

TR8W

TR4W

TR4W

TR4DY

TR4DY

425+00 'SB'
426+00 'SB'
427+00 'SB'
428+00 'SB'
429+00 'SB'
430+0

425+00 'NB'
426+00 'NB'
427+00 'NB'
428+00 'NB'
429+00 'NB'
430+0

12'
12'
12'
12'
12'

CTH B SB

CTH B NB

MATCH LINE 424+25'NB'

MATCH LINE 430+00'NB'

614TH ST

628TH AVE

UNION PACIFIC RAILROAD

ROTATE RAILROAD ARM 180"

SPEED LIMIT 35
R2-1
30"X36"

SEE MARKING PLAN FOR PERMANENT WHITE EDGE LINE MARKING

ONE LANE ROAD AHEAD
W20-4A

PLACE SIGN 350' AHEAD OF W20-7A FLAGGING SIGN

EXISTING R/W

TR24SW NOTE 1: CREATE A 24-INCH RAILROAD STOP BAR BY OVERLAPPING 2 STRIPS OF 18-INCH TAPE

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- .XXX. ASPHALT SAWCUT
- .XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
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T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
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TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

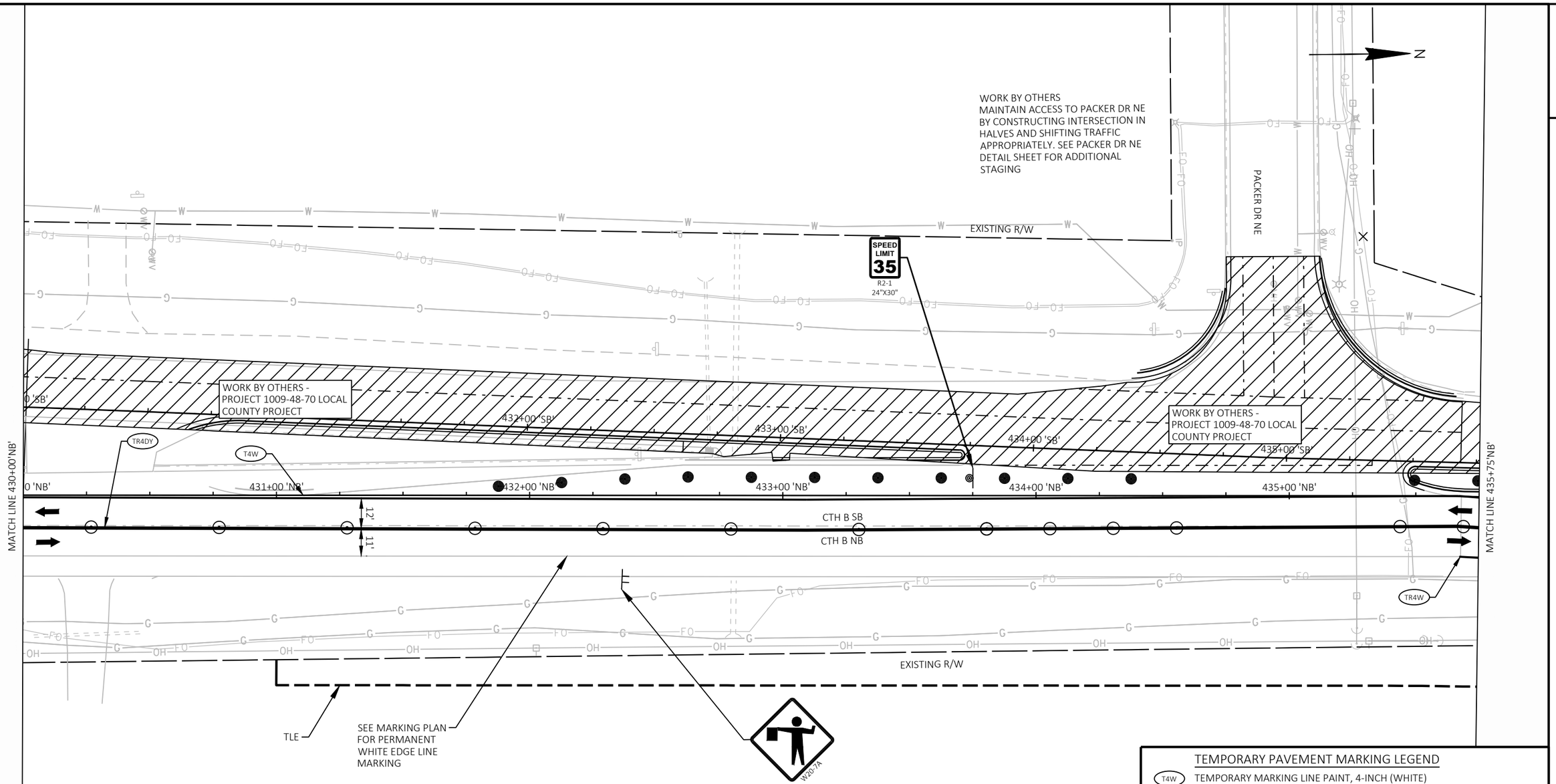
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 194 E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026006-S3.DWG
LAYOUT NAME - 18

PLOT DATE : 9/25/2023 4:56 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- XXX CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 195	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026006-S3.DWG
LAYOUT NAME - 19
PLOT DATE : 8/29/2023 7:06 AM
PLOT BY : CHRIS BURNS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

EXISTING R/W

TRAFFIC CONTROL MARKINGS & DEVICES
BY OTHERS

T4W

'NB'+50.00
5.19'RT

TR4W

WORK BY OTHERS -
PROJECT 1009-48-70 LOCAL
COUNTY PROJECT

436+00 'SB'
436+00 'NB'
437+00 'SB'
437+00 'NB'
438+00 'SB'
438+00 'NB'
439+00 'SB'
439+00 'NB'
440+00 'SB'
440+00 'NB'
441+00 'SB'
441+00 'NB'

MATCH LINE 435+75'NB'

MATCH LINE 441+50'NB'

11'
11'

CTH B SB

CTH B NB

TR4W

WORK BY OTHERS

EXISTING R/W

TR4DY

TRAFFIC CONTROL MARKINGS & DEVICES
BY OTHERS

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- XXX CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 196	E

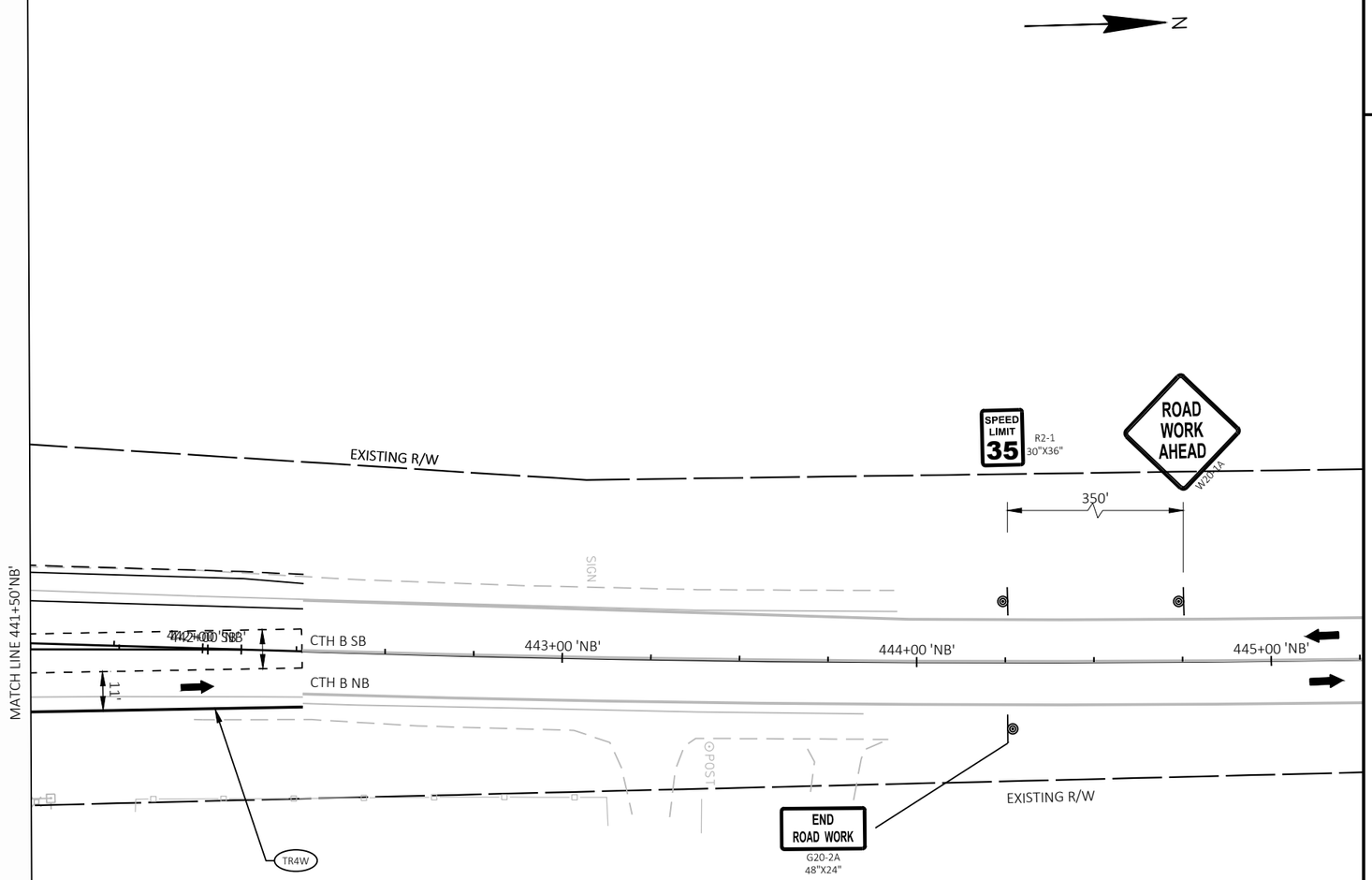
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026006-S3.DWG
LAYOUT NAME - 20

PLOT DATE : 8/29/2023 12:28 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- XXX CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 197	E

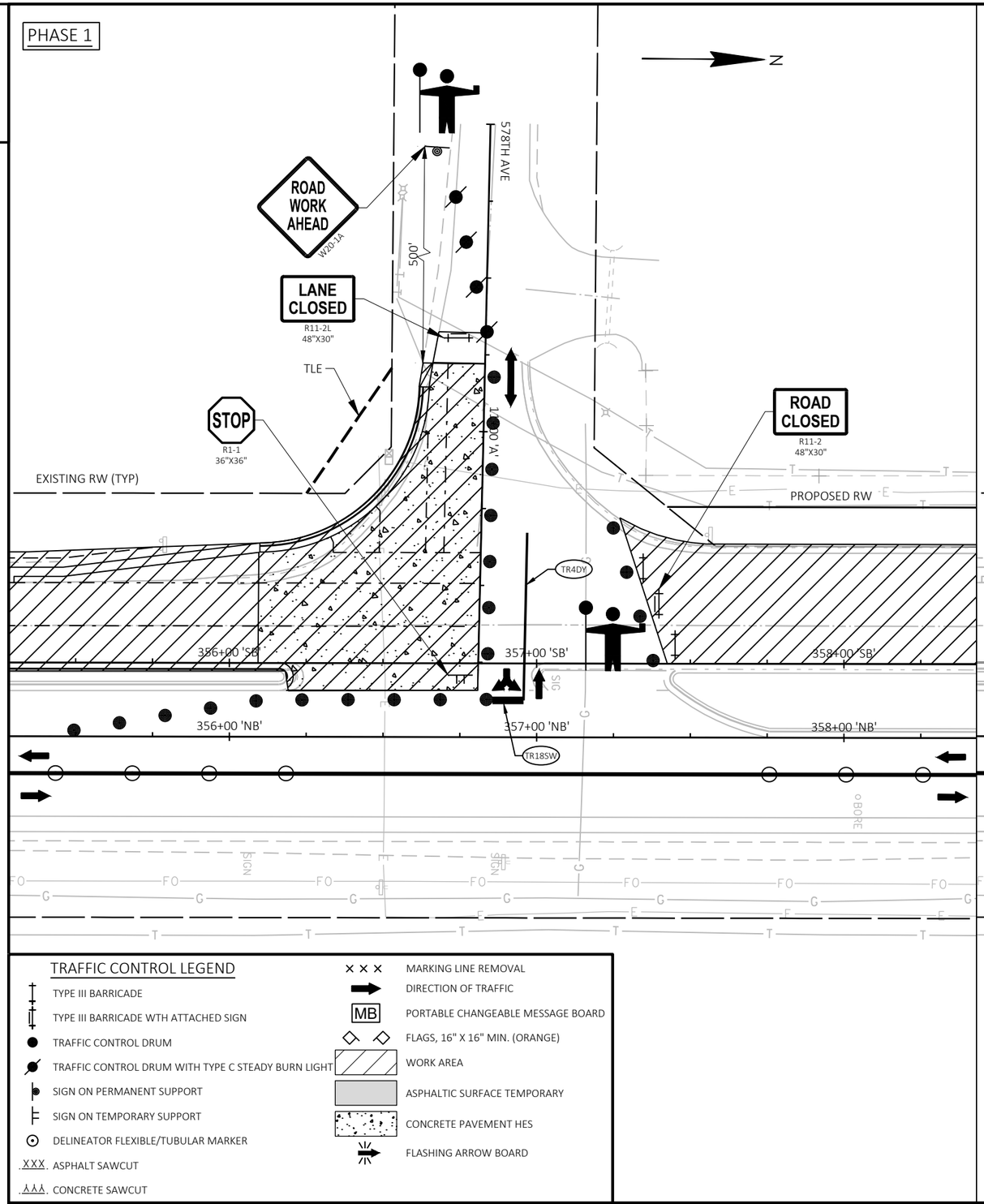
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026006-S3.DWG
LAYOUT NAME - 21

PLOT DATE : 8/25/2023 5:56 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

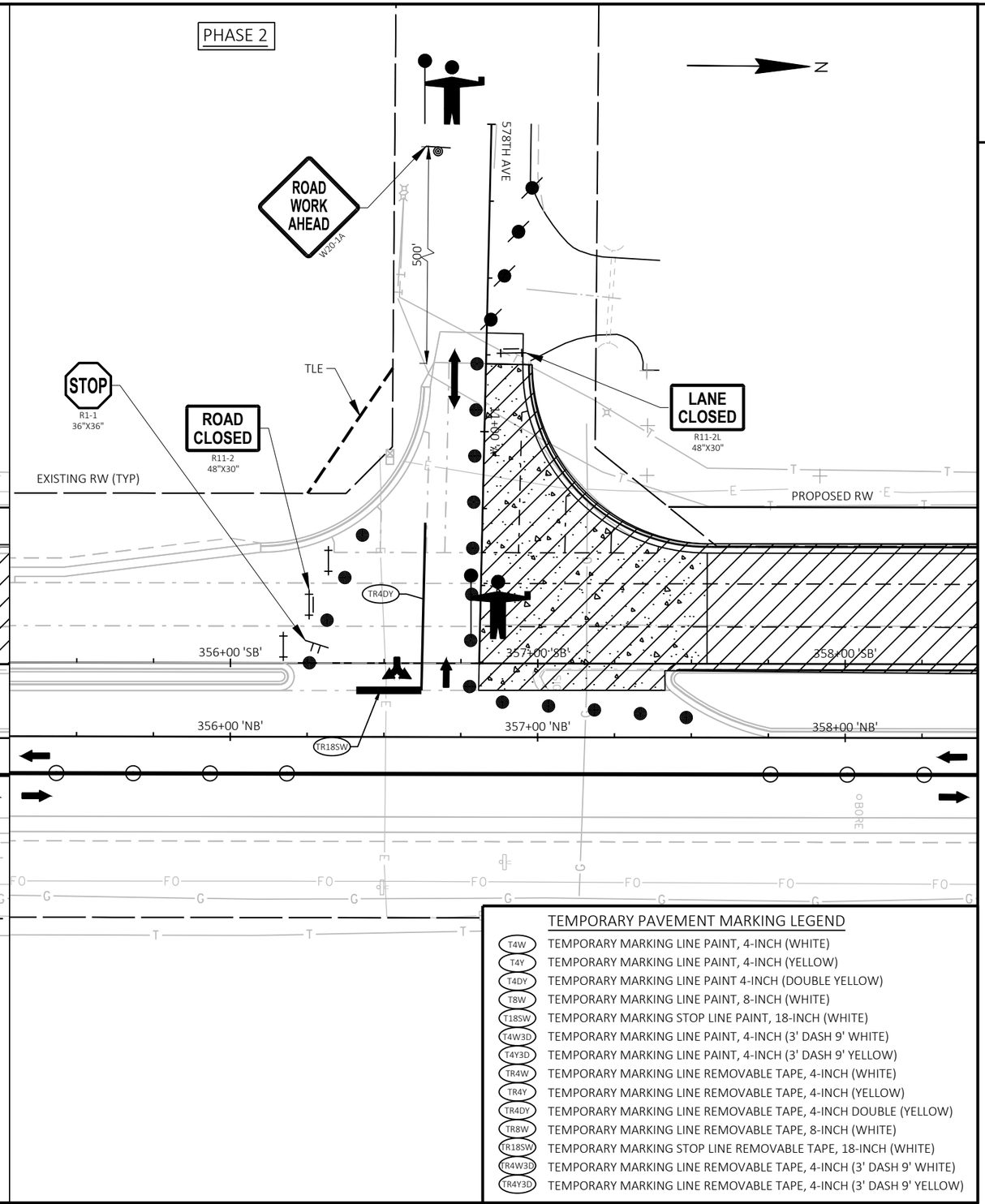
WISDOT/CADDS SHEET 42

2

PHASE 1



PHASE 2



TRAFFIC CONTROL LEGEND

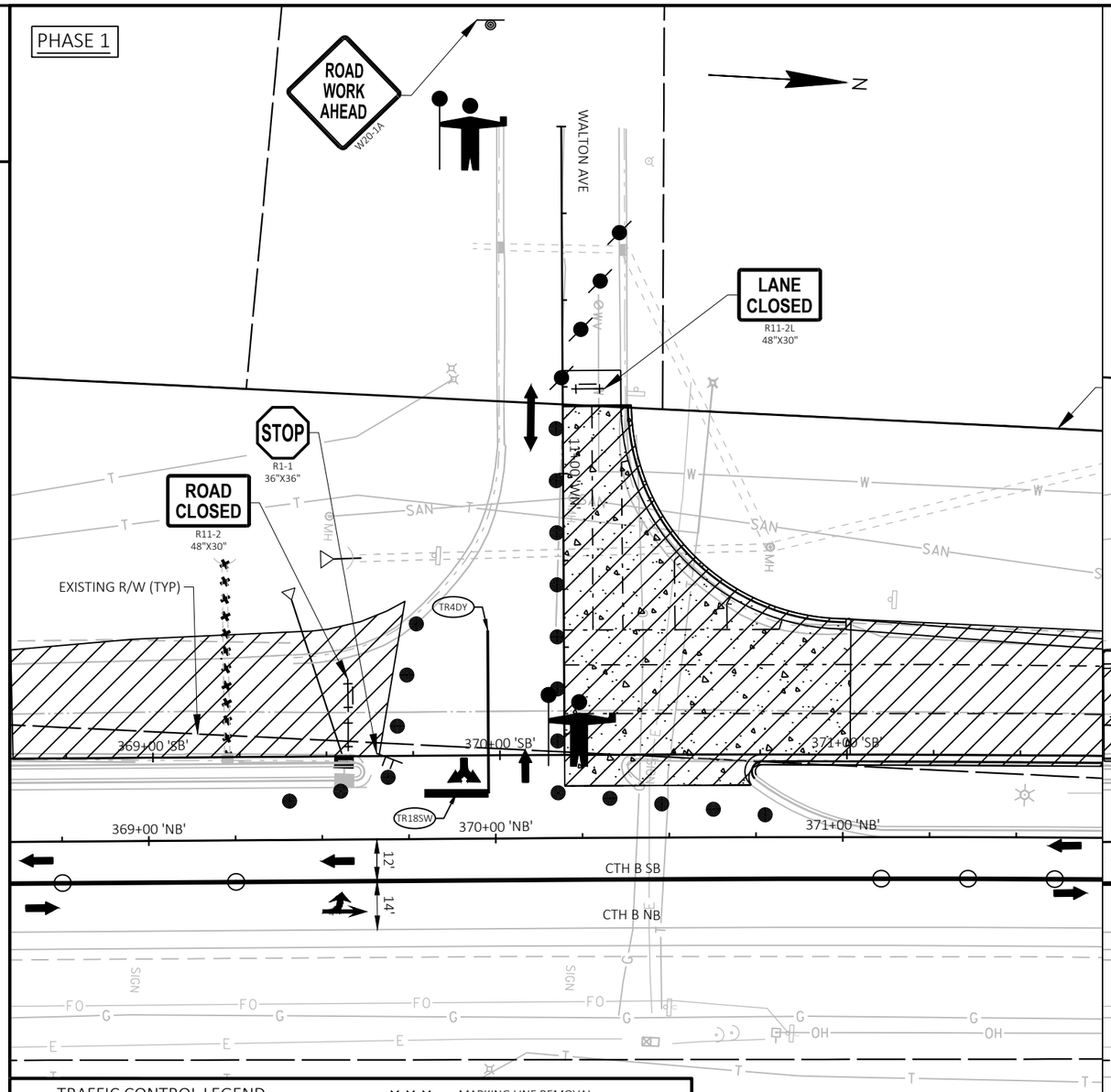
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

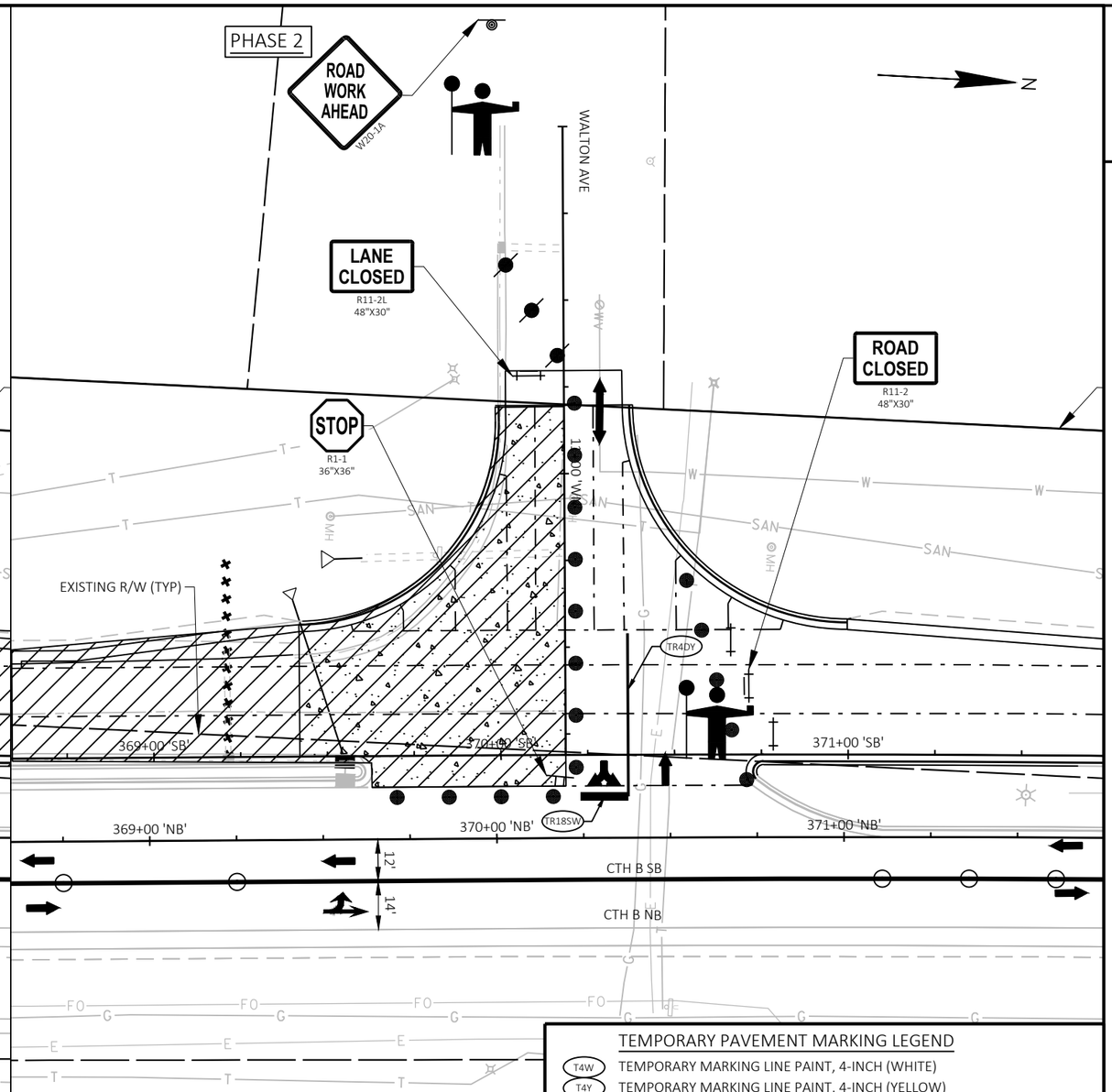
T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3 - 578TH AVE	SHEET 198	E

PHASE 1



PHASE 2



TRAFFIC CONTROL LEGEND

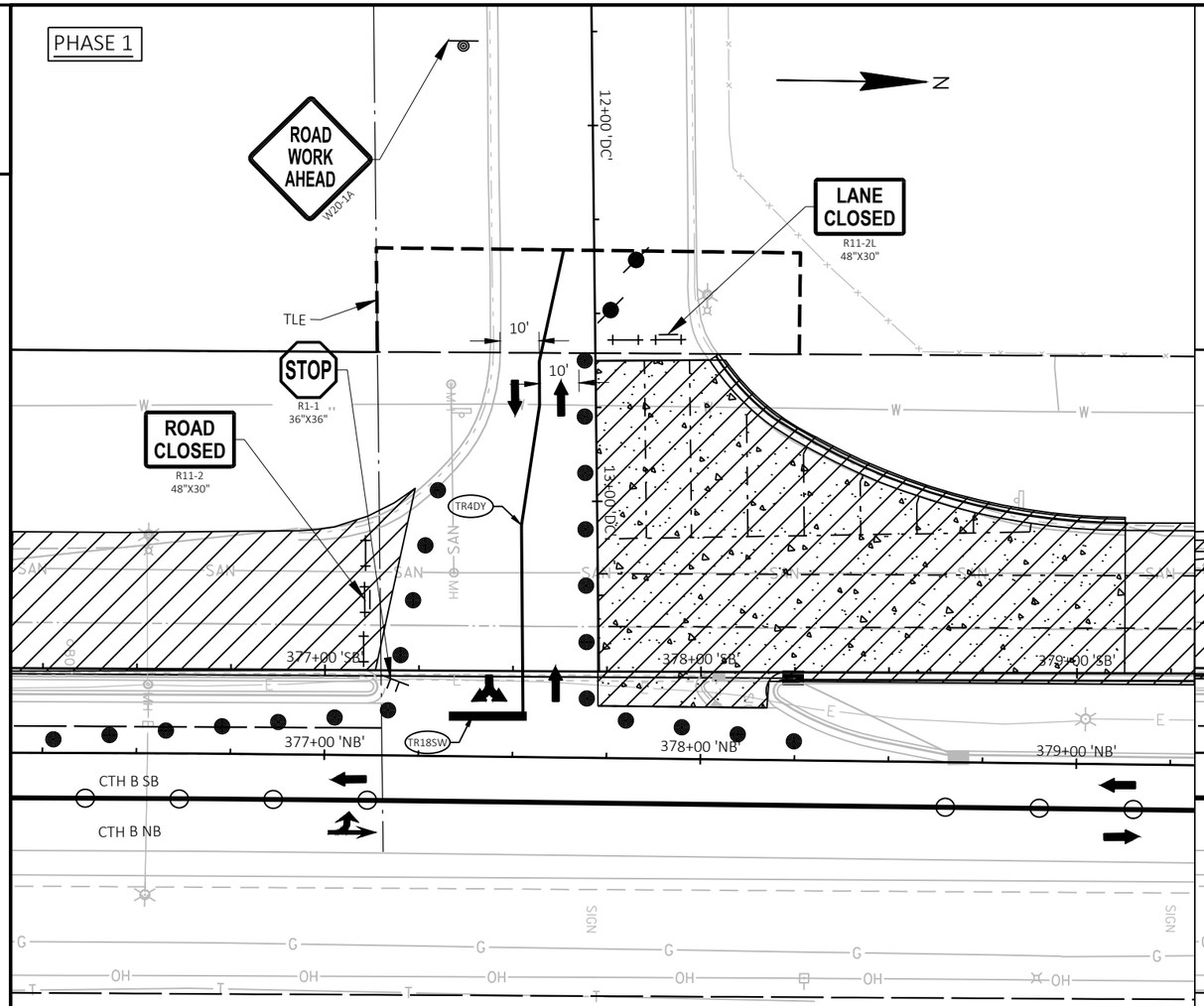
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

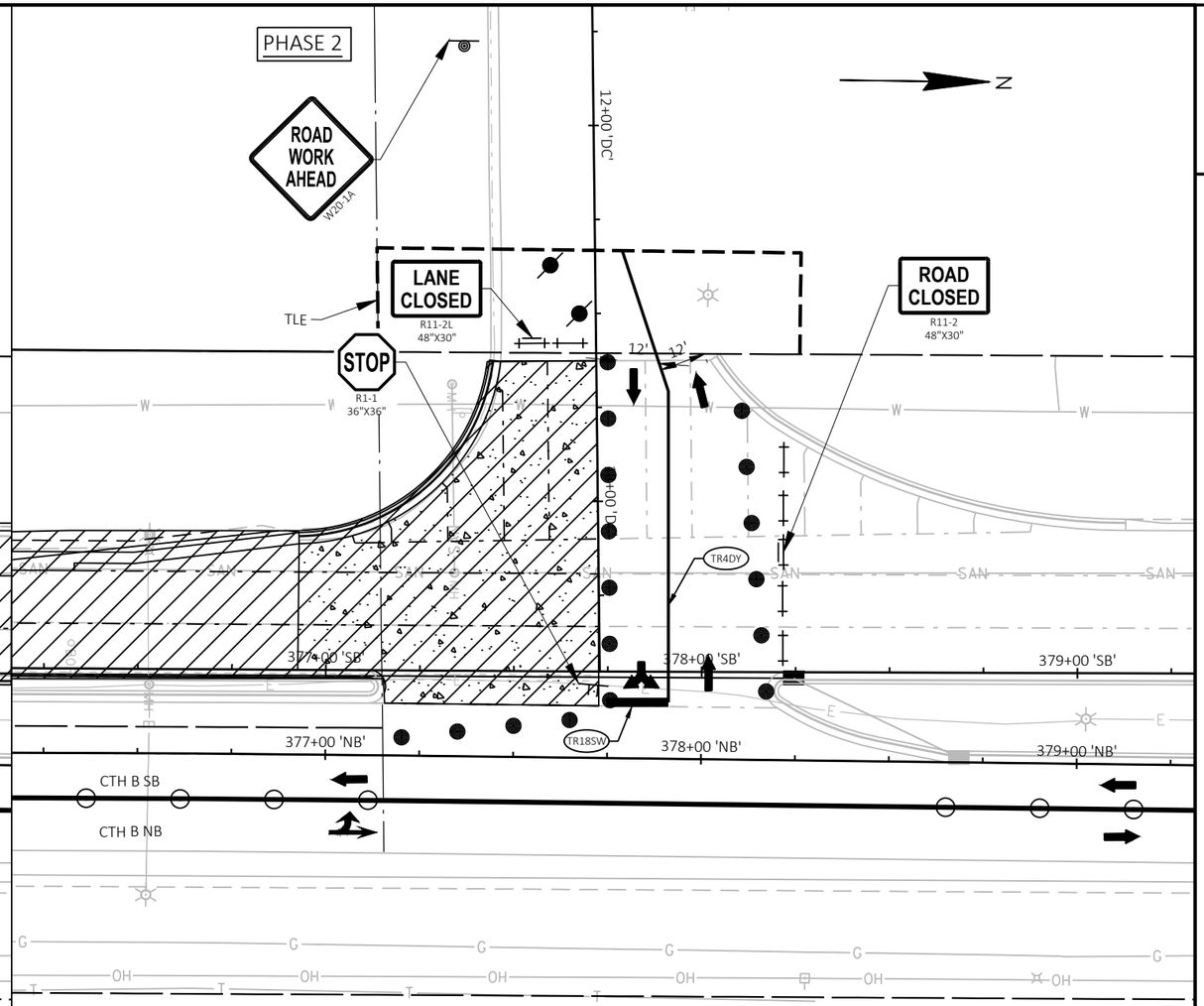
T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3 - WALTON AVE	SHEET 199 E

PHASE 1



PHASE 2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- XXX CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3 - DISTRIBUTION CENTER DRIVEWAY	SHEET 200	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026006-S3-SIDEROADS-SOUTH.DWG
LAYOUT NAME - DISTRIBUTION CENTER
PLOT DATE : 8/25/2023 6:01 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

PHASE 1

N

ROAD WORK AHEAD
W20-1A

LANE CLOSED
R11-2L
48"X30"

14+00 'B'

3M DRIVE

10'
10'

TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 1A

EXISTING R/W (TYP)

TLE

PROPOSED R/W

REMOVE TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 1A

REMOVE TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 1B

TR4W

ROAD CLOSED
R11-2
48"X30"

TR4DY

TR18SW

399+00 'SB'

400+00 'SB'

401+00 'SB'

CTH B SB

399+00 'NB'

400+00 'NB'

401+00 'NB'

11'

CTH B NB

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PHASE 2

ASPHALT SAWCUT REQ'D. REMOVE TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 1A AND PLACE CONCRETE CURB & GUTTER 30-INCH TYPE D BACK TO EXISTING CONDITIONS.

11'
11'

35'-0"

ROAD CLOSED
R11-2
48"X30"

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

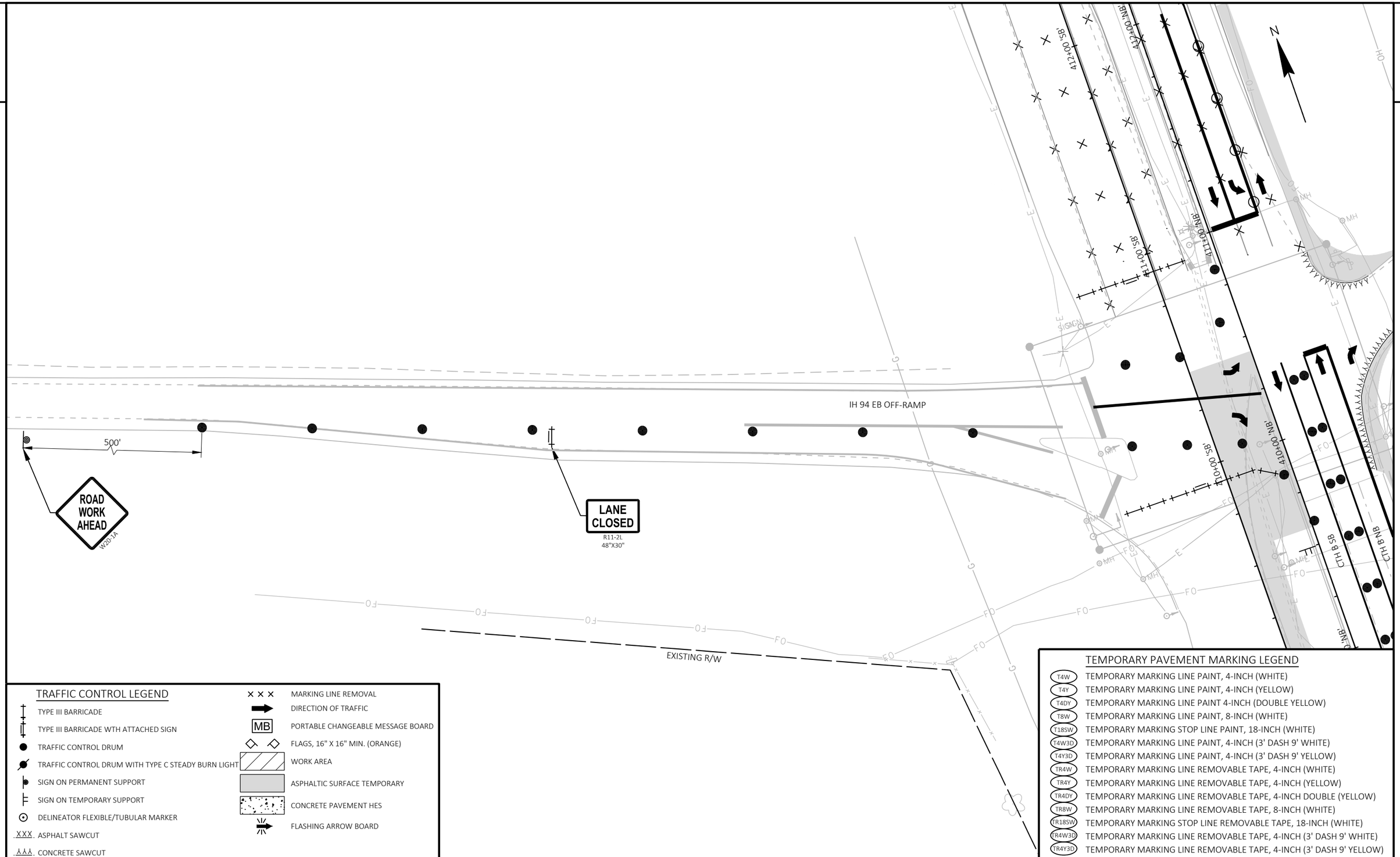
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3 - 3M DRIVE	SHEET 201	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026006-S3-SIDEROADS-SOUTH.DWG
LAYOUT NAME - 3M DRIVE

PLOT DATE : 8/25/2023 6:01 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 3	SHEET 202	E

2

M1-5A
24"X24"
COUNTY B
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

N

MB

500'

USH 12/STH 29

POST

END ROAD WORK
G20-2A
48"X24"

500'

CONCRETE SAWCUT REQ'D. REMOVE TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 2 AND PLACE CURB & GUTTER 36-INCH TYPE D BACK TO EXISTING CONDITIONS. CONSTRUCT AREAS OPPOSITE OF EACH OTHER TO MAINTAIN AT LEAST ONE OPEN LANE OF TRAFFIC ON CTH B NORTHBOUND

LANE CLOSED
R11-2L
48"X30"

EXISTING R/W (TYP)

14+00 'S'

347+00 'SB'

348+00 'SB'

349+00 'SB'

CTH B SB

350+00 'SB'

610TH ST

345+00 'NB'

346+00 'NB'

347+00 'NB'

348+00 'NB'

349+00 'NB'

350+00 'NB'

15+00 'S'

REINSTALL SALVAGED COVERS

CTH B NB

500'

ROAD WORK AHEAD
W20-1A

SPEED LIMIT 35
R2-1
24"X30"

CONCRETE SAWCUT REQ'D. REMOVE TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 2 AND PLACE CURB & GUTTER 30-INCH TYPE D BACK TO EXISTING CONDITIONS. CONSTRUCT AREAS OPPOSITE OF EACH OTHER TO MAINTAIN AT LEAST ONE OPEN LANE OF TRAFFIC ON CTH B NORTHBOUND

WETLAND BOUNDARY

SEE USH 12/STH 29 WB SHEETS FOR RIGHT TURN LANE CLOSURE DETAILS TO TAKE PLACE DURING CTH B MEDIAN CONSTRUCTION

16+00 'S'

USH 12/STH 29

MB

MATCHLINE STA 16+75

STAGE 4 DESCRIPTION

REMOVE CTH B MEDIAN TEMPORARY ASPHALT CONSTRUCTED IN PREVIOUS STAGES AT VARIOUS LOCATIONS, AND INSTALL CURB AND GUTTER TO BACK TO EXISTING CONDITIONS. COMPLETE REMAINING MEDIAN CONSTRUCTION NORTH OF IH 94 INTERCHANGE.

UTILIZE INSIDE LANE CLOSURES AND LEFT TURN LANE CLOSURES ON CTH B FOR MEDIAN WORKZONE OPERATIONS.

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 4	SHEET 203	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026008-S4.DWG
LAYOUT NAME - 01
PLOT DATE : 8/25/2023 6:17 PM
PLOT BY : CHRIS BURNS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

LANE CLOSED
R11-2L
48"X30"

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

MATCHLINE STA 16+75

17+00 'US'

18+00 'US'

19+00 'US'

20+00 'US'

USH 12/STH 29 WB

21+00 'US'

22+00 'US'

MATCHLINE STA 22+75

GRT

USH 12/STH 29 EB

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 4	SHEET 204	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026008-S4.DWG
LAYOUT NAME - 02

PLOT DATE : 8/25/2023 6:17 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

LANE CLOSED
R11-2L
48"X30"

TR4W

MATCHLINE STA 22+75

23+00 'US'

24+00 'US'

25+00 'US'

USH 12/STH 29 WB

26+00 'US'

27+00 'US'

28+00 'US'

MATCHLINE STA 28+50

USH 12/STH 29 EB

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 4	SHEET 205	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026008-S4.DWG
LAYOUT NAME - 03

PLOT DATE : 8/25/2023 6:17 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

SEE SDD "TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT" FOR TRAFFIC CONTROL DEVICES AND SIGNING REQUIRED FOR USH 12/STH 29 WB RIGHT LANE CLOSURE DURING CTH B MEDIAN WORK

WO1-6
48"X24"

WO1-4L

COUNTY B
M1-5A
24"X24"

ROAD WORK AHEAD
W20-1A

500'

500'

USH 12/STH 29 WB

USH 12/STH 29 EB

TR4W

29+00 'US'

30+00 'US'

MATCHLINE STA 28+50

END ROAD WORK
G20-2A
48"X24"

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- .XXX. ASPHALT SAWCUT
- .XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 4	SHEET 206	E

2

2

N

EXISTING R/W (TYP)

CTH B SB

351+00 'SB' 352+00 'SB' 353+00 'SB' 354+00 'SB' 355+00 'SB' 356+0

MATCH LINE 350+25'NB'

351+00 'NB' 352+00 'NB' 353+00 'NB' 354+00 'NB' 355+00 'NB' 356+0

MATCH LINE 356+00'NB'

CTH B NB

FO G T

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- XXX CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

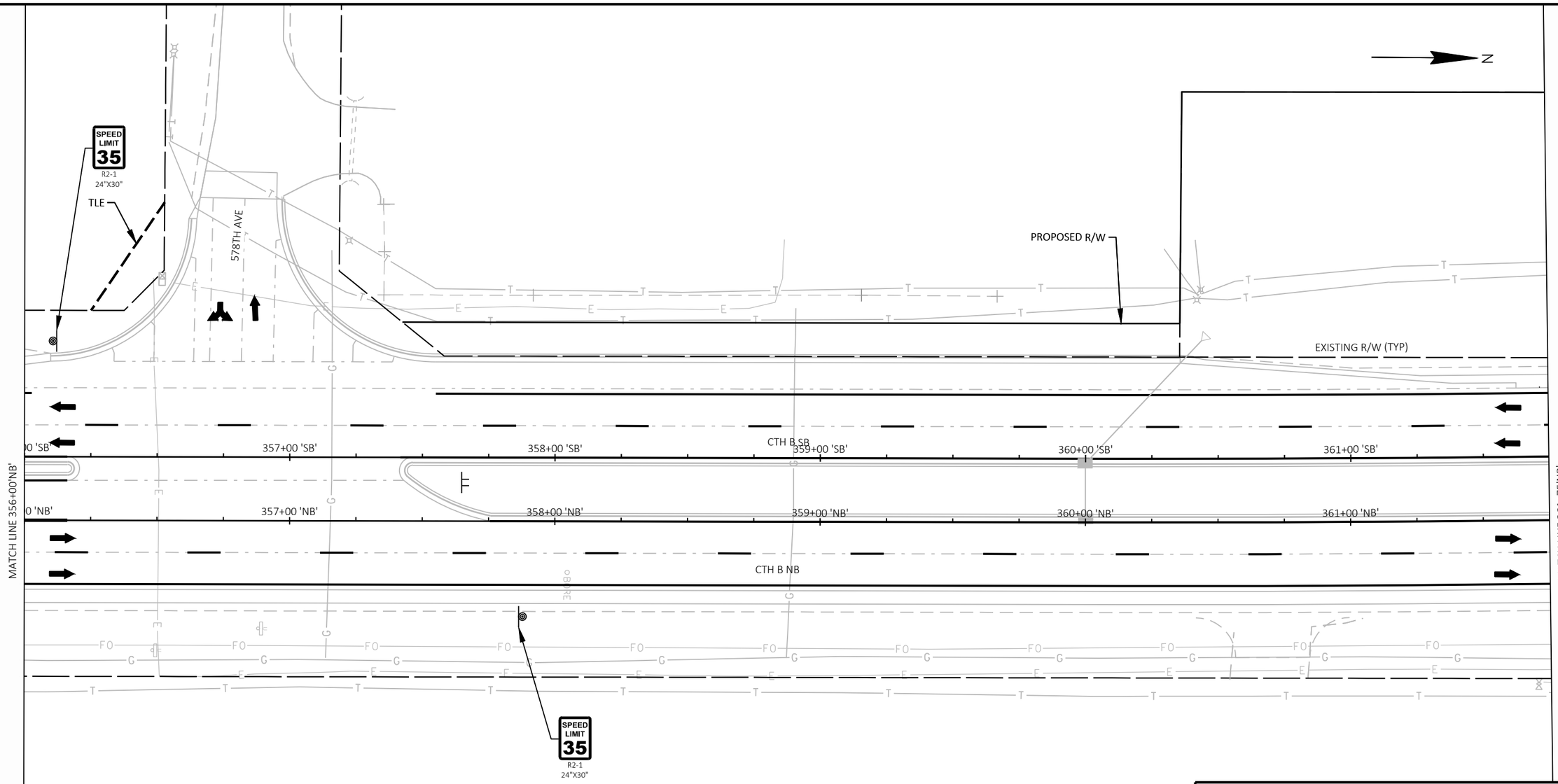
T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
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TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 4	SHEET 207	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026008-S4.DWG
LAYOUT NAME - 05

PLOT DATE : 8/25/2023 6:17 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

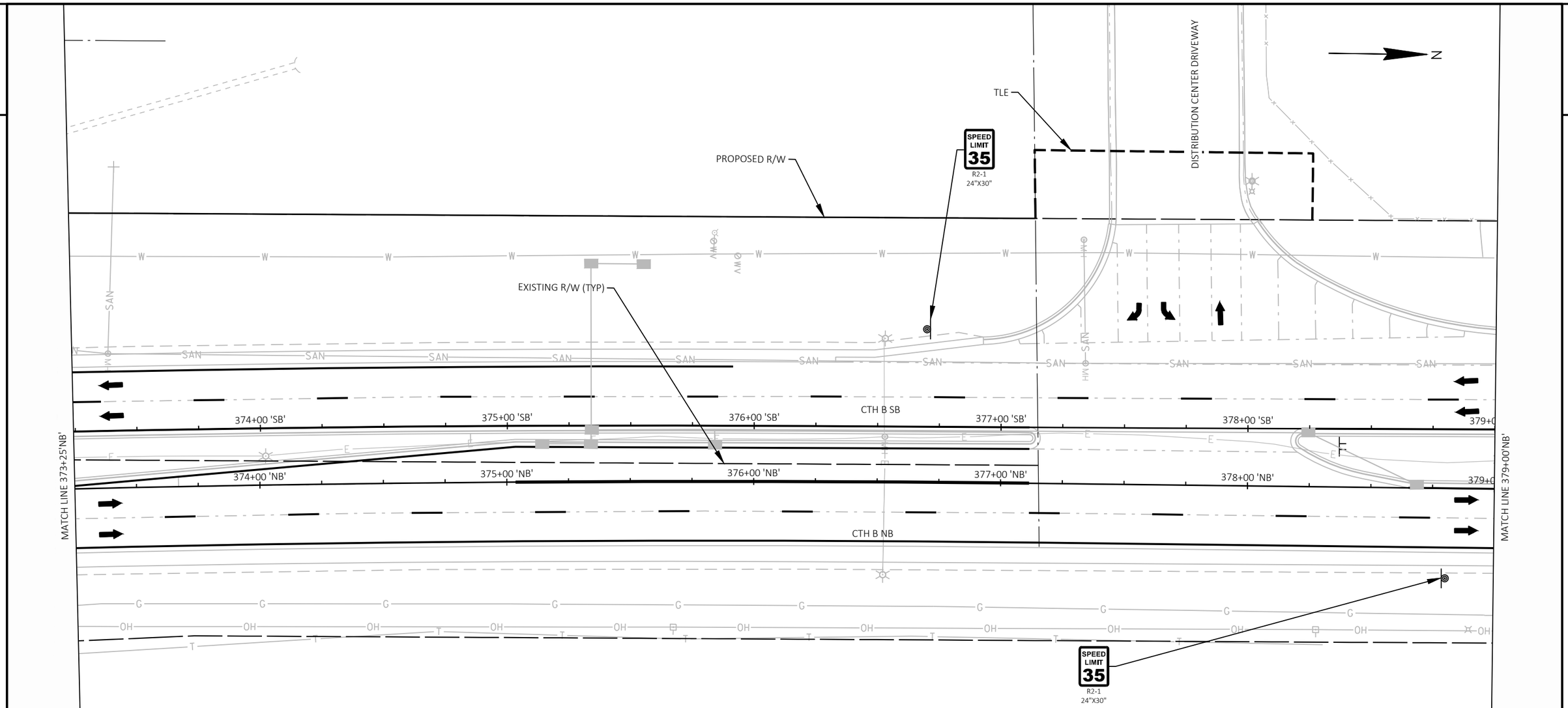
TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 4	SHEET 208	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026008-S4.DWG
LAYOUT NAME - 06
PLOT DATE : 8/25/2023 6:17 PM
PLOT BY : CHRIS BURNS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
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T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
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TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 4	SHEET 209	E

2

N

EXISTING R/W (TYP)

W W W W W W W W W W W W W

SAN SAN SAN SAN SAN SAN SAN SAN SAN SAN SAN

385+00 'SB' 386+00 'SB' 387+00 'SB' 388+00 'SB' 389+00 'SB' 390+00 'SB'

CTH B SB

E E E E E E E E E E E

385+00 'NB' 386+00 'NB' 387+00 'NB' 388+00 'NB' 389+00 'NB' 390+00 'NB'

CTH B NB

MATCH LINE 390+50'NB'

G G G G G G G G G G G G G

OH OH OH OH OH OH OH OH OH OH OH OH OH

LEFT LANE CLOSED AHEAD W20-5SA

INSTALL 700' PRIOR TO LANE SHIFT

W04-2L

INSTALL 350' PRIOR TO LANE SHIFT

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- × × × MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
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TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
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TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 4	SHEET 210	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026008-S4.DWG
LAYOUT NAME - 08

PLOT DATE : 8/25/2023 6:17 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

EXISTING R/W (TYP)

MATCH LINE 390+50'NB'

391+00 'SB' 392+00 'SB' 393+00 'SB' CTH B SB 394+00 'SB' 395+00 'SB' 396+00 'SB

320' TAPER

391+00 'NB' 392+00 'NB' 393+00 'NB' 394+00 'NB' 395+00 'NB' 396+00 'NB'

CTH B NB

TR4W

MATCH LINE 396+25'NB'

TLE

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 4	SHEET 211	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026008-S4.DWG
LAYOUT NAME - 09

PLOT DATE : 8/25/2023 6:17 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

3M DRIVE

PROPOSED R/W

TLE

SPEED LIMIT 35
R2:1
24"X30"

EXISTING R/W (TYP)

SAN

CTH B SB

397+00 'SB'

398+00 'SB'

399+00 'SB'

400+00 'SB'

401+00 'SB'

402+0

170'

397+00 'NB'

398+00 'NB'

399+00 'NB'

400+00 'NB'

401+00 'NB'

402+0

CTH B NB

TR4W

LANE CLOSED
R11-2L
48"X30"

TLE

CONCRETE SAWCUT REQ'D. REMOVE TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 2 AND CONSTRUCT PROPOSED MEDIAN CURB & GUTTER

PROPOSED R/W

610TH AVE

SPEED LIMIT 35
R2-1
24"X30"

WO1-6
48"X24"

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

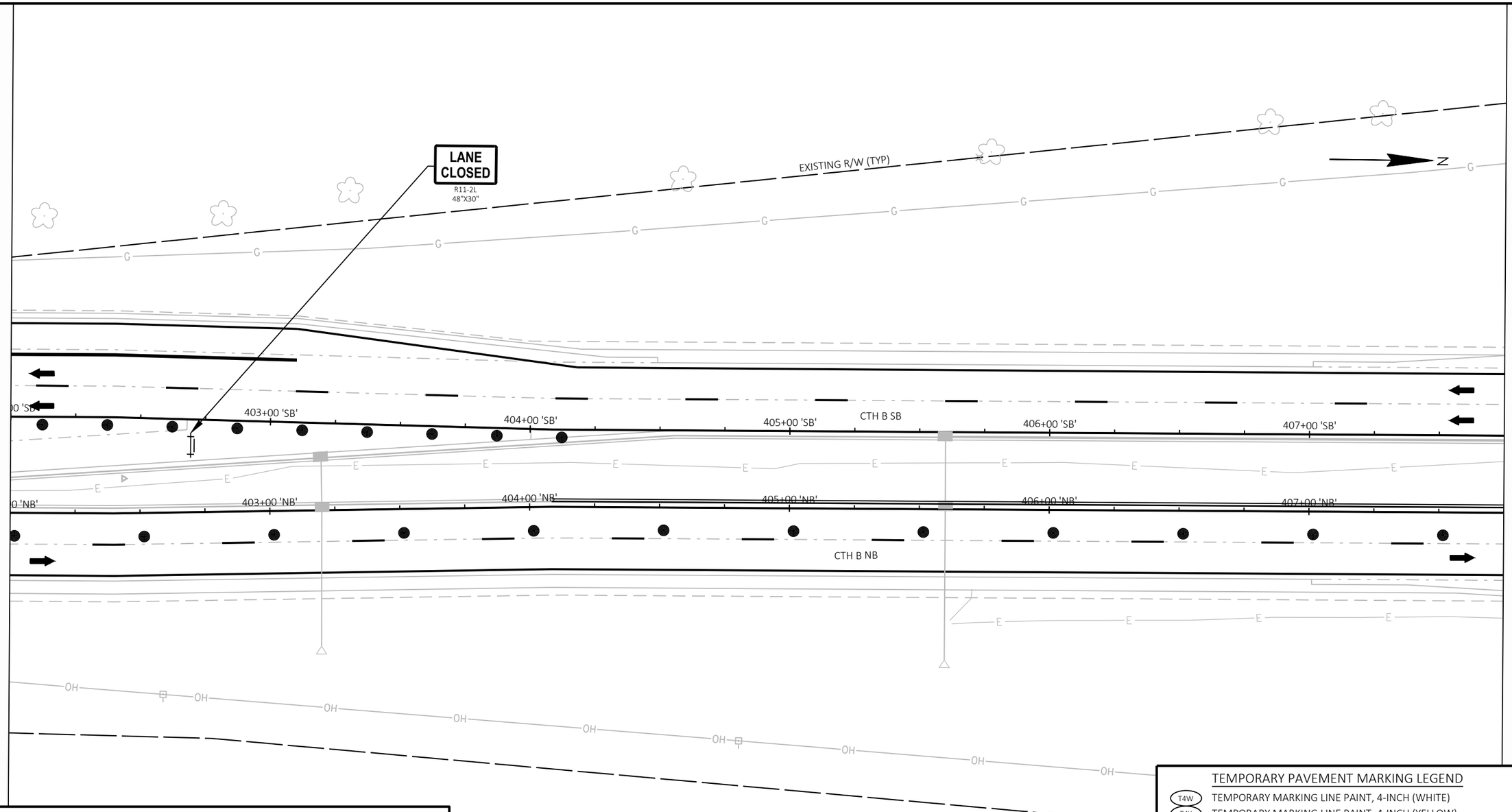
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 4	SHEET 212	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026008-S4.DWG
LAYOUT NAME - 10

PLOT DATE : 8/25/2023 6:17 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- ΔΔΔ. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

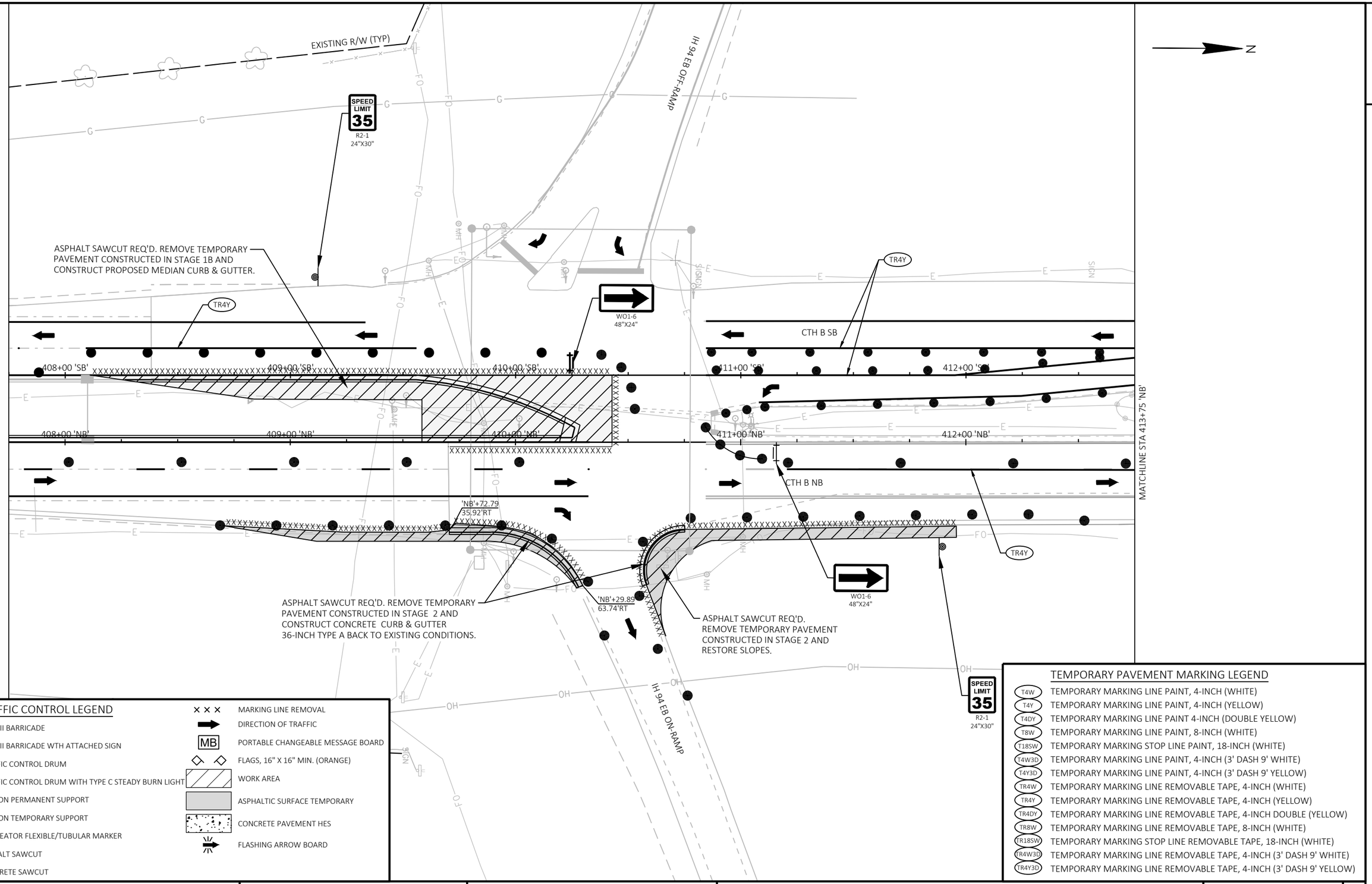
T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 4	SHEET 213	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026008-S4.DWG
LAYOUT NAME - 11

PLOT DATE : 8/25/2023 6:17 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- .XXX. ASPHALT SAWCUT
- .XXX. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

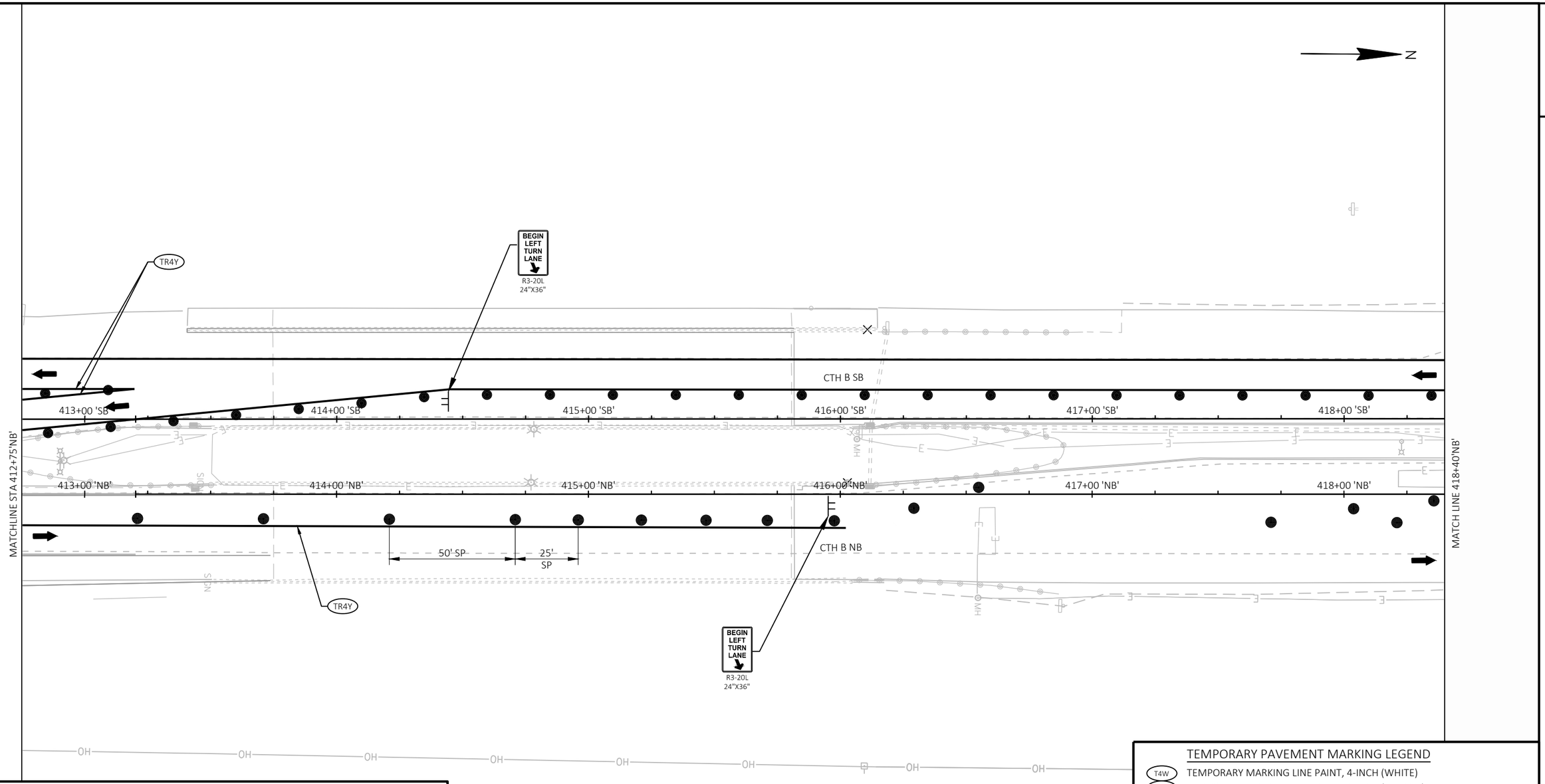
TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 4	SHEET 214	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026008-S4.DWG
LAYOUT NAME - 12
PLOT DATE : 8/25/2023 6:17 PM
PLOT BY : CHRIS BURNS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 4	SHEET 215	E

2

2

EXISTING R/W (TYP)

IH 94 WB ON-RAMP

IH 94 WB OFF-RAMP

CTH B SB

CTH B NB

419+00 'SB'

420+00 'SB'

421+00 'SB'

422+00 'SB'

423+00 'SB'

424+00 'SB'

419+00 'NB'

420+00 'NB'

421+00 'NB'

422+00 'NB'

423+00 'NB'

424+00 'NB'

MATCH LINE 418+40'NB'

MATCH LINE 424+25'NB'

LANE CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

WORK BY OTHERS -
PROJECT 1009-48-70 LOCAL
COUNTY PROJECT

SPEED LIMIT 35
R2-1
24"X30"

LANE CLOSED
R11-2L
48"X30"

NOTE: DRUMS AND SIGNS ONLY NORTH OF IH 94,
PERMANENT MARKINGS PLACED BY OTHER (1009-48-70)

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 4	SHEET 216	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026008-S4.DWG
LAYOUT NAME - 14

PLOT DATE : 8/25/2023 6:18 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

STAGE 4
TRAFFIC IS SPLIT
COUNTER-DIRECTIONAL
ON BOTH NEW ROADWAYS

TO FINISH MEDIAN

NOTE: DRUMS AND SIGNS ONLY NORTH OF IH 94,
PERMANENT MARKINGS PLACED BY OTHER (1009-48-70)

N

MESSAGE
NO LEFT TURN 628TH

SPEED LIMIT 35
R2-1
24"X30"

WO1-6
48"X24"

LANE CLOSED
R11-2L
48"X30"

R3-2
24"X24"

EXISTING R/W (TYP)

24-INCH EPOXY STOP LINE,
INCL. WITH NEW RR MARKINGS

25'

12'

MB

CTH B SB

425+00 'SB'

426+00 'SB'

427+00 'SB'

428+00 'SB'

429+00 'SB'

430+0

NEW ISLAND

NEW ISLAND

WORK BY OTHERS -
PROJECT 1009-48-70 LOCAL
COUNTY PROJECT

NEW MEDIAN UNDER CONSTRUCTION

425+00 'NB'

426+00 'NB'

427+00 'NB'

428+00 'NB'

429+00 'NB'

430+0

MATCH LINE 424+25'NB'

MATCH LINE 430+00'NB'

CTH B NB

ONLY

614TH ST

628TH AVE

ONLY

ROTATE RAILROAD
ARM 180°

UNION PACIFIC RAILROAD COMPANY

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX. ASPHALT SAWCUT
- XXX. CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
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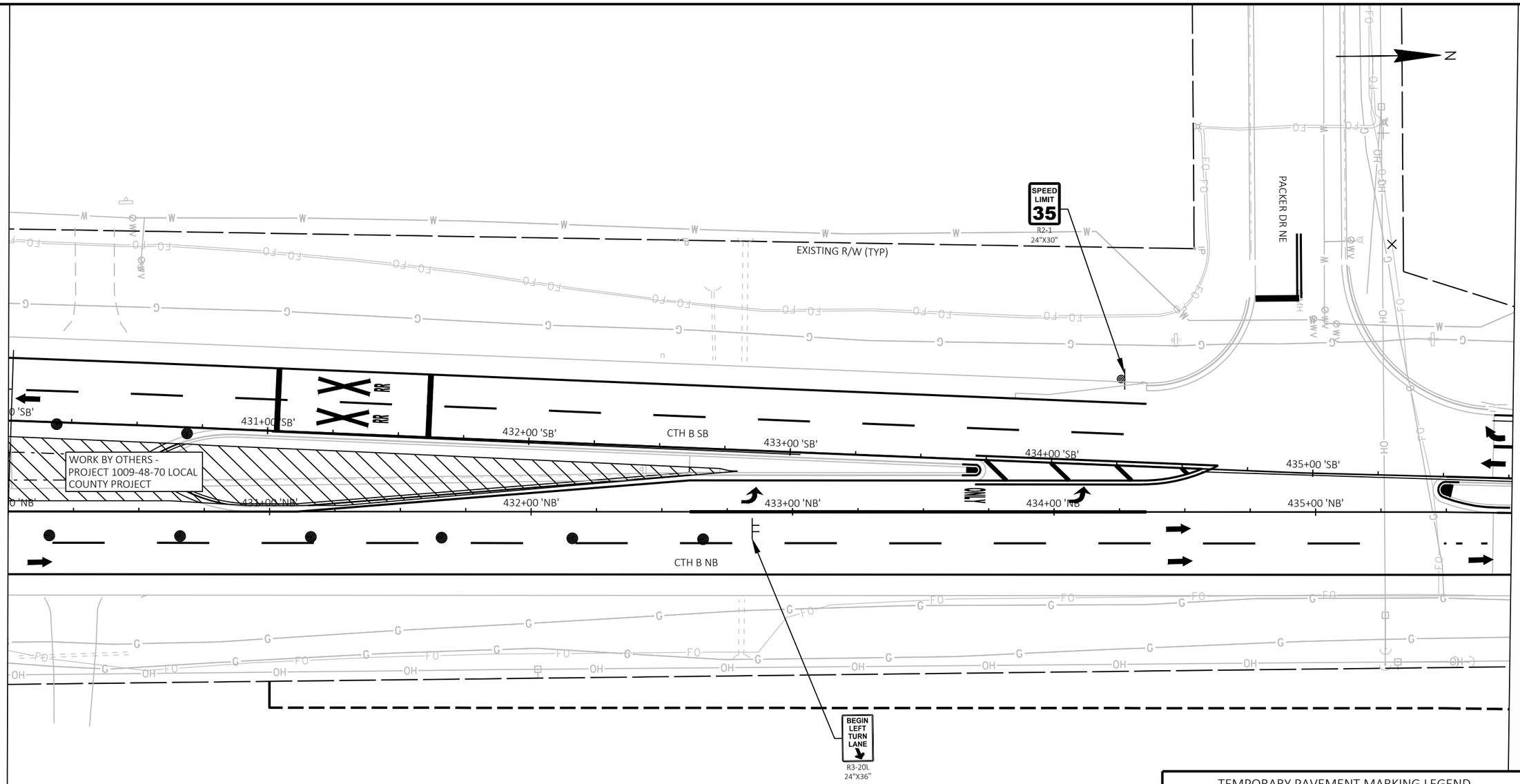
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 4	SHEET 217	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\026008-S4.DWG
LAYOUT NAME - 15

PLOT DATE : 8/25/2023 6:18 PM PLOT BY : CHRIS BURNS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL LEGEND

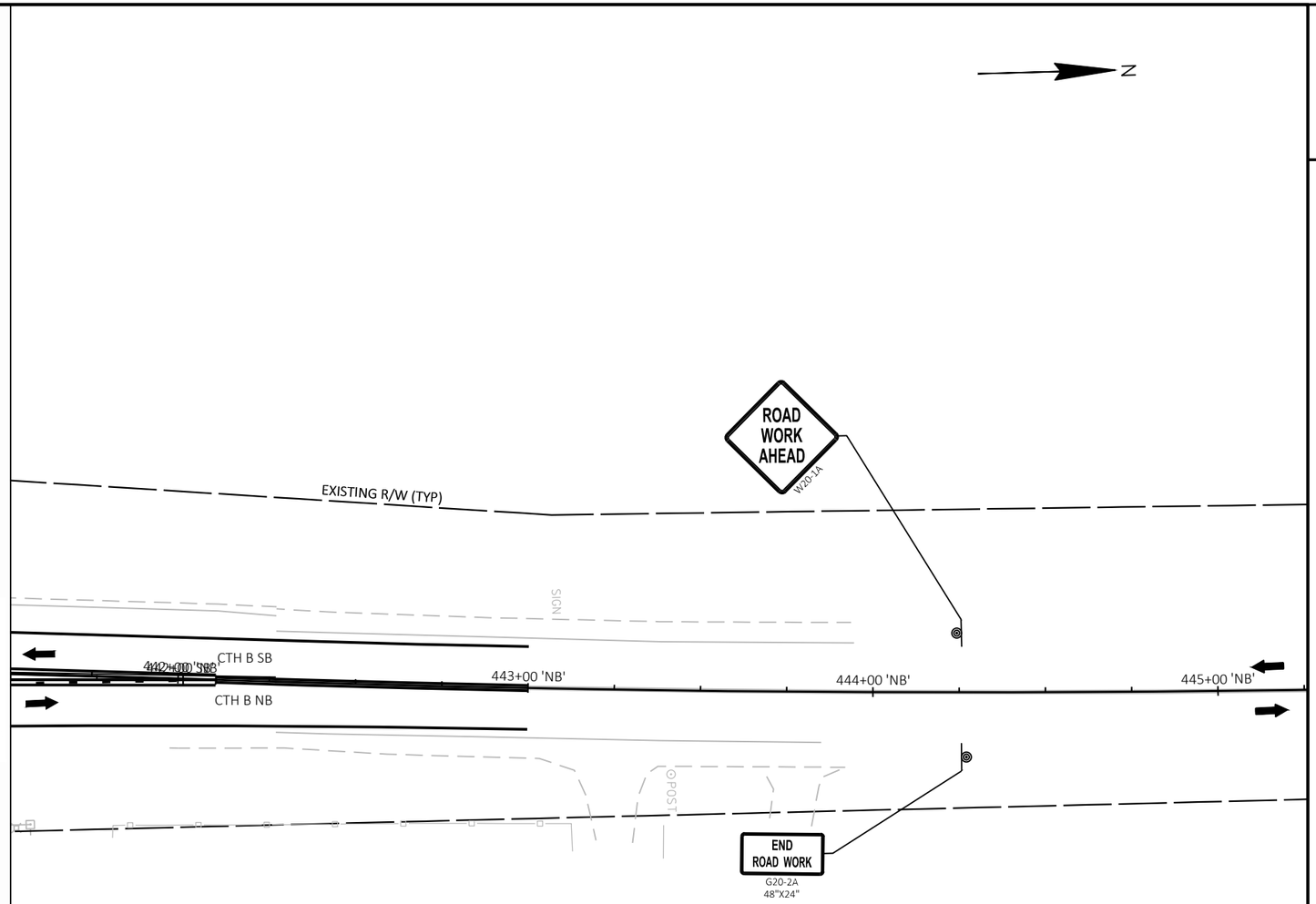
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- XXX CONCRETE SAWCUT
- XXX MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

NOTE: DRUMS AND SIGNS ONLY NORTH OF IH 94,
PERMANENT MARKINGS PLACED BY OTHER (1009-48-70)

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
T8W	TEMPORARY MARKING LINE PAINT, 8-INCH (WHITE)
T18SW	TEMPORARY MARKING STOP LINE PAINT, 18-INCH (WHITE)
T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
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TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 4	SHEET 218	E



NOTE: DRUMS AND SIGNS ONLY NORTH OF IH 94,
PERMANENT MARKINGS PLACED BY OTHER (1009-48-70)

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- XXX ASPHALT SAWCUT
- CONCRETE SAWCUT
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- FLAGS, 16" X 16" MIN. (ORANGE)
- WORK AREA
- ASPHALTIC SURFACE TEMPORARY
- CONCRETE PAVEMENT HES
- FLASHING ARROW BOARD

TEMPORARY PAVEMENT MARKING LEGEND

T4W	TEMPORARY MARKING LINE PAINT, 4-INCH (WHITE)
T4Y	TEMPORARY MARKING LINE PAINT, 4-INCH (YELLOW)
T4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
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T4W3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' WHITE)
T4Y3D	TEMPORARY MARKING LINE PAINT, 4-INCH (3' DASH 9' YELLOW)
TR4W	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (WHITE)
TR4Y	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (YELLOW)
TR4DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH DOUBLE (YELLOW)
TR8W	TEMPORARY MARKING LINE REMOVABLE TAPE, 8-INCH (WHITE)
TR18SW	TEMPORARY MARKING STOP LINE REMOVABLE TAPE, 18-INCH (WHITE)
TR4W3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' WHITE)
TR4Y3D	TEMPORARY MARKING LINE REMOVABLE TAPE, 4-INCH (3' DASH 9' YELLOW)

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	TRAFFIC CONTROL - STAGE 4	SHEET 219	E

ALIGNMENT DESIGNATION	ROADWAY SEGMENT
NB	CTH B NB
SB	CTH B SB
US	USH 12/STH 29 WB
A	578TH AVE
WN	WALTON AVE
DC	WAL-MART DISTRIBUTION CENTER
B	3M DRIVE
C	610TH AVE
BG	BADGER DRIVE
D	628TH AVE
P	PACKER DRIVE
NW	IH 94 WB ON RAMP
NE	IH 94 WB OFF RAMP
SW	IH 94 EB OFF RAMP
SE	IH 94 EB ON RAMP
TA	USH 12/CTH B NB TEMP WIDENING
TB	3M DRIVE TEMP WIDENING
TC	IH 94 EB ON RAMP NE TEMP WIDENING
TD	IH 94 EB ON RAMP SE TEMP WIDENING
TE	IH 94 WB ON RAMP NW TEMP WIDENING
TF	IH 94 WB ON RAMP SW TEMP WIDENING

2

N

EP: 2+26.25 'TA'
N = 174472.2052
E = 180421.2691

FOR INFORMATIONAL PURPOSES ONLY.
TEMPORARY WIDENING ALIGNMENTS FOLLOW
EXISTING EDGE OF PAVEMENT.

2+00

TA

00 FT

BP: 1+00.00 'TA'
N = 174382.2728
E = 180481.2607

USH 12/STH 29 WB

CTH B SB

CTH B NB

CTH B

SIGN

GRT

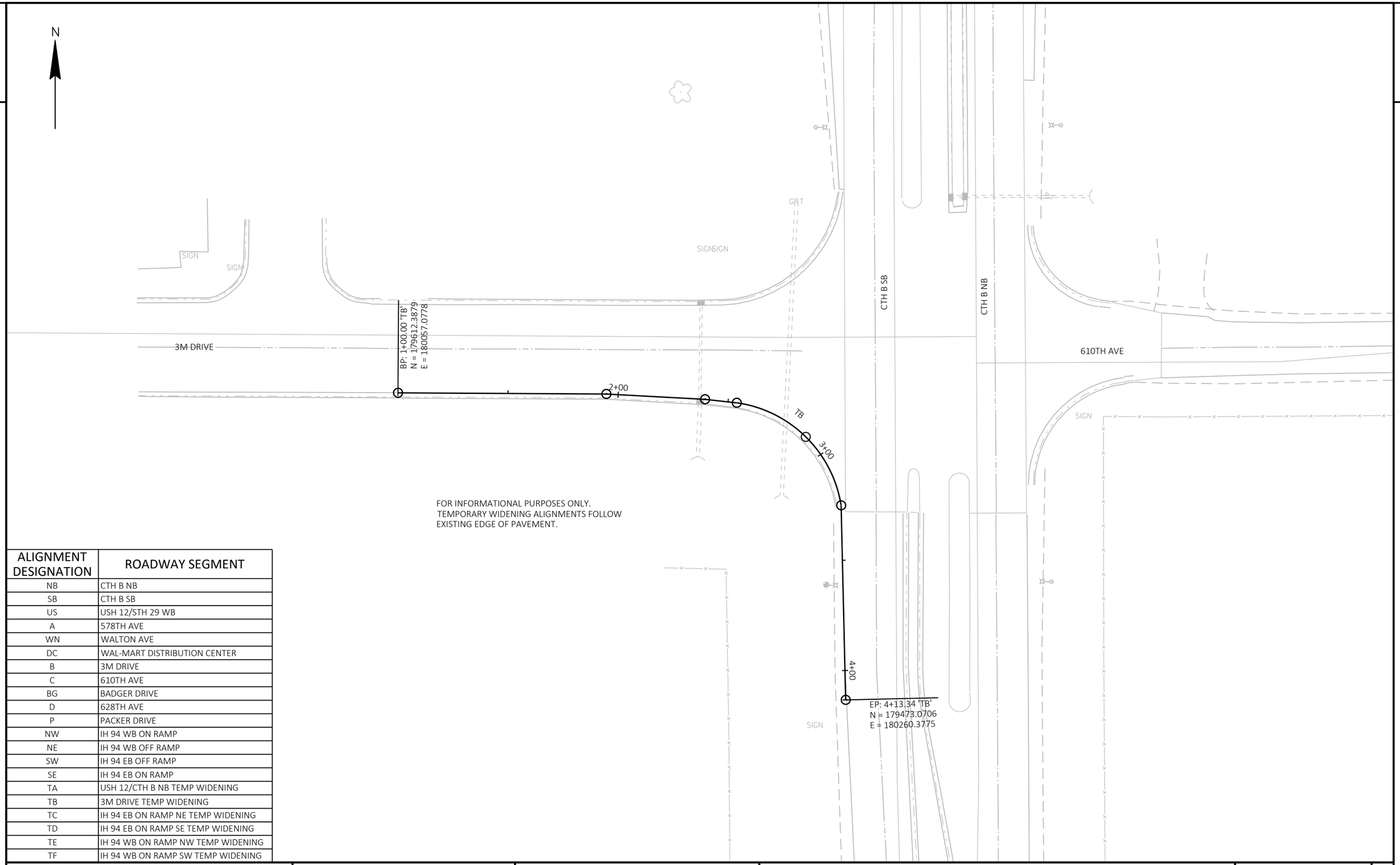
POST

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	ALIGNMENT DETAILS - TEMPORARY WIDENING	SHEET 220	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\027203_AD_TEMP.DWG
LAYOUT NAME - TA

PLOT DATE : 12/2/2022 10:09 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



FOR INFORMATIONAL PURPOSES ONLY.
TEMPORARY WIDENING ALIGNMENTS FOLLOW
EXISTING EDGE OF PAVEMENT.

ALIGNMENT DESIGNATION	ROADWAY SEGMENT
NB	CTH B NB
SB	CTH B SB
US	USH 12/STH 29 WB
A	578TH AVE
WN	WALTON AVE
DC	WAL-MART DISTRIBUTION CENTER
B	3M DRIVE
C	610TH AVE
BG	BADGER DRIVE
D	628TH AVE
P	PACKER DRIVE
NW	IH 94 WB ON RAMP
NE	IH 94 WB OFF RAMP
SW	IH 94 EB OFF RAMP
SE	IH 94 EB ON RAMP
TA	USH 12/CTH B NB TEMP WIDENING
TB	3M DRIVE TEMP WIDENING
TC	IH 94 EB ON RAMP NE TEMP WIDENING
TD	IH 94 EB ON RAMP SE TEMP WIDENING
TE	IH 94 WB ON RAMP NW TEMP WIDENING
TF	IH 94 WB ON RAMP SW TEMP WIDENING

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	ALIGNMENT DETAILS - TEMPORARY WIDENING	SHEET 221	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\027203_AD_TEMP.DWG
LAYOUT NAME - TB
PLOT DATE : 12/2/2022 10:09 AM
PLOT BY : MATT PAYNE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

CTH B SB

CTH B NB

EP: 3+12.42 'TC'
N = 180840.6360
E = 180344.2250

3+00

TC

2+00

BP: 1+00.00 'TC'
N = 180700.0910
E = 180410.6990

N

FOR INFORMATIONAL PURPOSES ONLY.
TEMPORARY WIDENING ALIGNMENTS FOLLOW
EXISTING EDGE OF PAVEMENT.

SIGN

IH 94 EB OFF RAMP

IH 94 EB ON RAMP

EP: 2+70.47 'TD'
N = 180658.1853
E = 180374.3383

2+00

TD

SIGN

BP: 1+00.00 'TD'
N = 180498.2214
E = 180347.3672

ALIGNMENT DESIGNATION	ROADWAY SEGMENT
NB	CTH B NB
SB	CTH B SB
US	USH 12/STH 29 WB
A	578TH AVE
WN	WALTON AVE
DC	WAL-MART DISTRIBUTION CENTER
B	3M DRIVE
C	610TH AVE
BG	BADGER DRIVE
D	628TH AVE
P	PACKER DRIVE
NW	IH 94 WB ON RAMP
NE	IH 94 WB OFF RAMP
SW	IH 94 EB OFF RAMP
SE	IH 94 EB ON RAMP
TA	USH 12/CTH B NB TEMP WIDENING
TB	3M DRIVE TEMP WIDENING
TC	IH 94 EB ON RAMP NE TEMP WIDENING
TD	IH 94 EB ON RAMP SE TEMP WIDENING
TE	IH 94 WB ON RAMP NW TEMP WIDENING
TF	IH 94 WB ON RAMP SW TEMP WIDENING

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	ALIGNMENT DETAILS - TEMPORARY WIDENING	SHEET 222	E

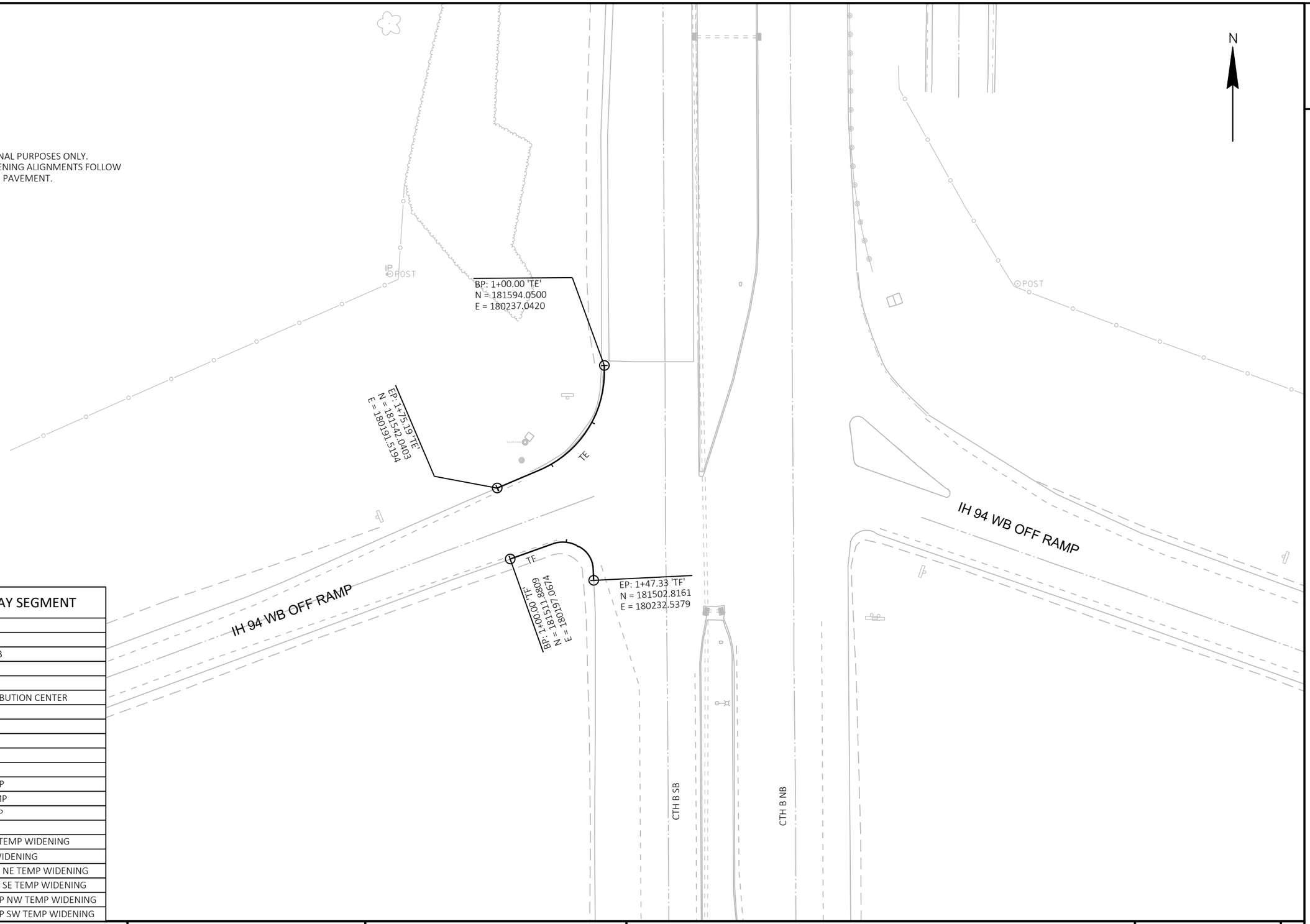
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\027203_AD_TEMP.DWG
LAYOUT NAME - TC & TD

PLOT DATE : 12/2/2022 10:09 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

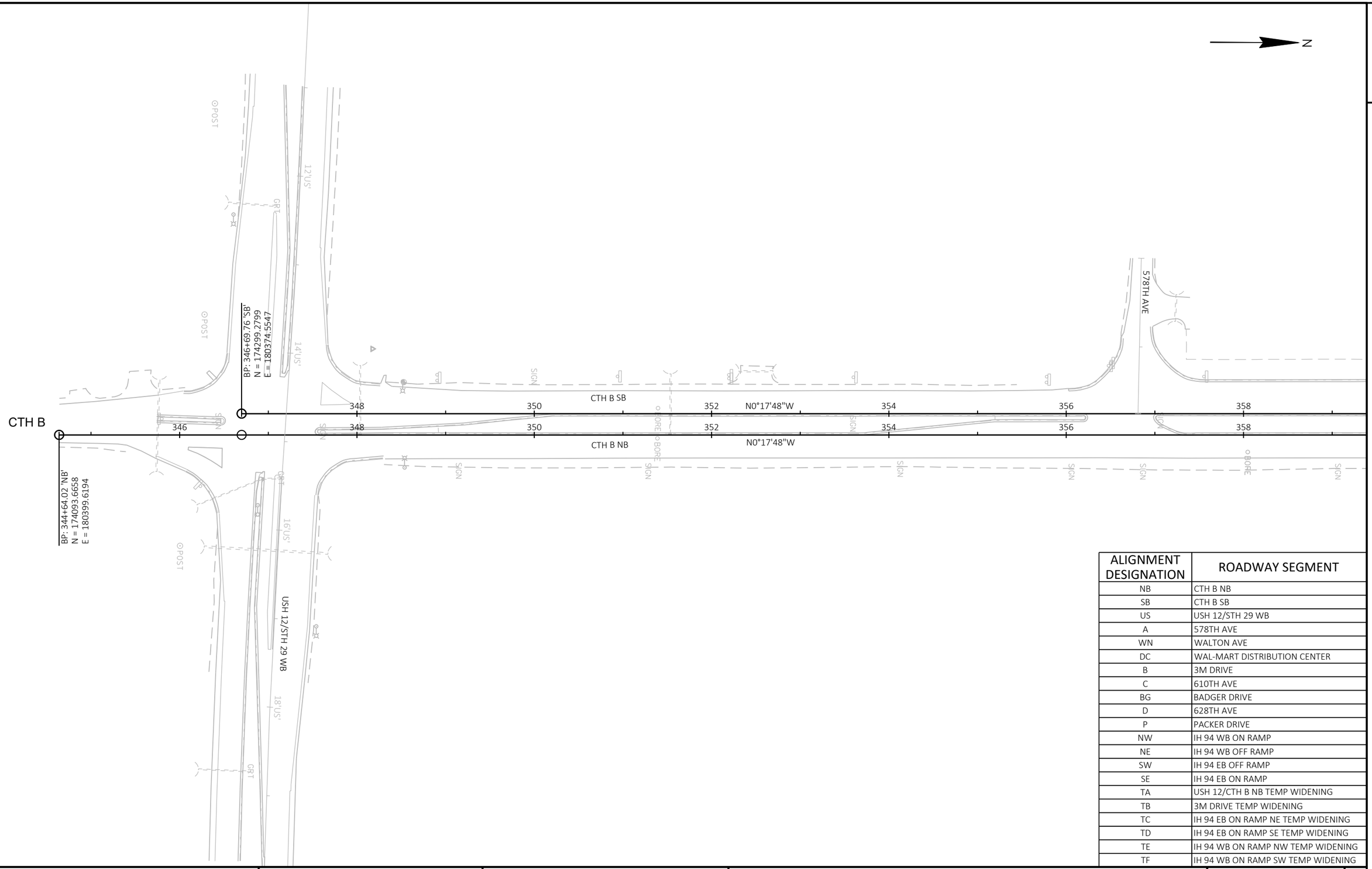
FOR INFORMATIONAL PURPOSES ONLY.
TEMPORARY WIDENING ALIGNMENTS FOLLOW
EXISTING EDGE OF PAVEMENT.



ALIGNMENT DESIGNATION	ROADWAY SEGMENT
NB	CTH B NB
SB	CTH B SB
US	USH 12/STH 29 WB
A	578TH AVE
WN	WALTON AVE
DC	WAL-MART DISTRIBUTION CENTER
B	3M DRIVE
C	610TH AVE
BG	BADGER DRIVE
D	628TH AVE
P	PACKER DRIVE
NW	IH 94 WB ON RAMP
NE	IH 94 WB OFF RAMP
SW	IH 94 EB OFF RAMP
SE	IH 94 EB ON RAMP
TA	USH 12/CTH B NB TEMP WIDENING
TB	3M DRIVE TEMP WIDENING
TC	IH 94 EB ON RAMP NE TEMP WIDENING
TD	IH 94 EB ON RAMP SE TEMP WIDENING
TE	IH 94 WB ON RAMP NW TEMP WIDENING
TF	IH 94 WB ON RAMP SW TEMP WIDENING

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	ALIGNMENT DETAILS - TEMPORARY WIDENING	SHEET 223	E

2



ALIGNMENT DESIGNATION	ROADWAY SEGMENT
NB	CTH B NB
SB	CTH B SB
US	USH 12/STH 29 WB
A	578TH AVE
WN	WALTON AVE
DC	WAL-MART DISTRIBUTION CENTER
B	3M DRIVE
C	610TH AVE
BG	BADGER DRIVE
D	628TH AVE
P	PACKER DRIVE
NW	IH 94 WB ON RAMP
NE	IH 94 WB OFF RAMP
SW	IH 94 EB OFF RAMP
SE	IH 94 EB ON RAMP
TA	USH 12/CTH B NB TEMP WIDENING
TB	3M DRIVE TEMP WIDENING
TC	IH 94 EB ON RAMP NE TEMP WIDENING
TD	IH 94 EB ON RAMP SE TEMP WIDENING
TE	IH 94 WB ON RAMP NW TEMP WIDENING
TF	IH 94 WB ON RAMP SW TEMP WIDENING

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	ALIGNMENT DETAILS - MAINLINE	SHEET 224	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - CTH B-01

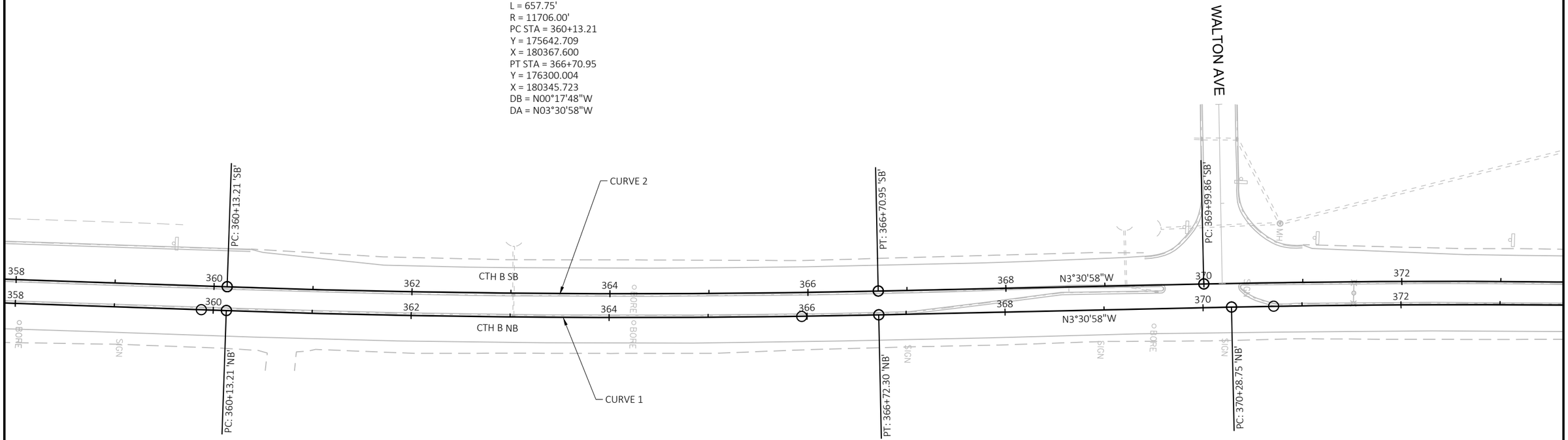
PLOT DATE : 12/2/2022 9:56 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

N

CTH B SB

CURVE 2
PI STA = 363+42.17
Y = 175971.664
X = 180365.898
DELTA = 3°13'10" LT
D = 0°29'22"
T = 328.96'
L = 657.75'
R = 11706.00'
PC STA = 360+13.21
Y = 175642.709
X = 180367.600
PT STA = 366+70.95
Y = 176300.004
X = 180345.723
DB = N00°17'48"W
DA = N03°30'58"W



CTH B NB

CURVE 1
PI STA = 363+42.84
Y = 175972.463
X = 180389.894
DELTA = 3°13'10" LT
D = 0°29'18"
T = 329.63'
L = 659.09'
R = 11730.00'
PC STA = 360+13.21
Y = 175642.833
X = 180391.600
PT STA = 366+72.30
Y = 176301.476
X = 180369.678
DB = N00°17'48"W
DA = N03°30'58"W

ALIGNMENT DESIGNATION	ROADWAY SEGMENT
NB	CTH B NB
SB	CTH B SB
US	USH 12/STH 29 WB
A	578TH AVE
WN	WALTON AVE
DC	WAL-MART DISTRIBUTION CENTER
B	3M DRIVE
C	610TH AVE
BG	BADGER DRIVE
D	628TH AVE
P	PACKER DRIVE
NW	IH 94 WB ON RAMP
NE	IH 94 WB OFF RAMP
SW	IH 94 EB OFF RAMP
SE	IH 94 EB ON RAMP
TA	USH 12/CTH B NB TEMP WIDENING
TB	3M DRIVE TEMP WIDENING
TC	IH 94 EB ON RAMP NE TEMP WIDENING
TD	IH 94 EB ON RAMP SE TEMP WIDENING
TE	IH 94 WB ON RAMP NW TEMP WIDENING
TF	IH 94 WB ON RAMP SW TEMP WIDENING

2

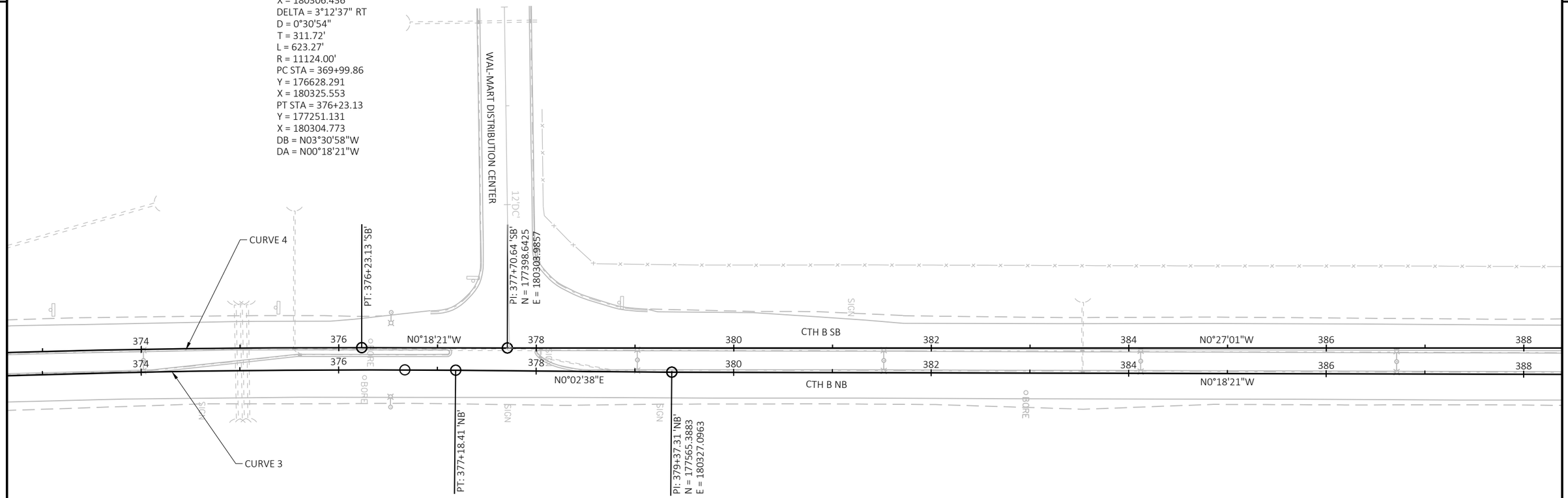
2

N

CTH B SB

CURVE 4

PI STA = 373+11.57
Y = 176939.420
X = 180306.436
DELTA = 3°12'37" RT
D = 0°30'54"
T = 311.72'
L = 623.27'
R = 11124.00'
PC STA = 369+99.86
Y = 176628.291
X = 180325.553
PT STA = 376+23.13
Y = 177251.131
X = 180304.773
DB = N03°30'58"W
DA = N00°18'21"W



CTH B NB

CURVE 3

PI STA = 373+73.69
Y = 177001.546
X = 180326.664
DELTA = 3°33'36" RT
D = 0°30'58"
T = 344.94'
L = 689.66'
R = 11100.00'
PC STA = 370+28.75
Y = 176657.255
X = 180347.818
PT STA = 377+18.41
Y = 177346.486
X = 180326.929
DB = N03°30'58"W
DA = N00°02'38"E

ALIGNMENT DESIGNATION	ROADWAY SEGMENT
NB	CTH B NB
SB	CTH B SB
US	USH 12/STH 29 WB
A	578TH AVE
WN	WALTON AVE
DC	WAL-MART DISTRIBUTION CENTER
B	3M DRIVE
C	610TH AVE
BG	BADGER DRIVE
D	628TH AVE
P	PACKER DRIVE
NW	IH 94 WB ON RAMP
NE	IH 94 WB OFF RAMP
SW	IH 94 EB OFF RAMP
SE	IH 94 EB ON RAMP
TA	USH 12/CTH B NB TEMP WIDENING
TB	3M DRIVE TEMP WIDENING
TC	IH 94 EB ON RAMP NE TEMP WIDENING
TD	IH 94 EB ON RAMP SE TEMP WIDENING
TE	IH 94 WB ON RAMP NW TEMP WIDENING
TF	IH 94 WB ON RAMP SW TEMP WIDENING

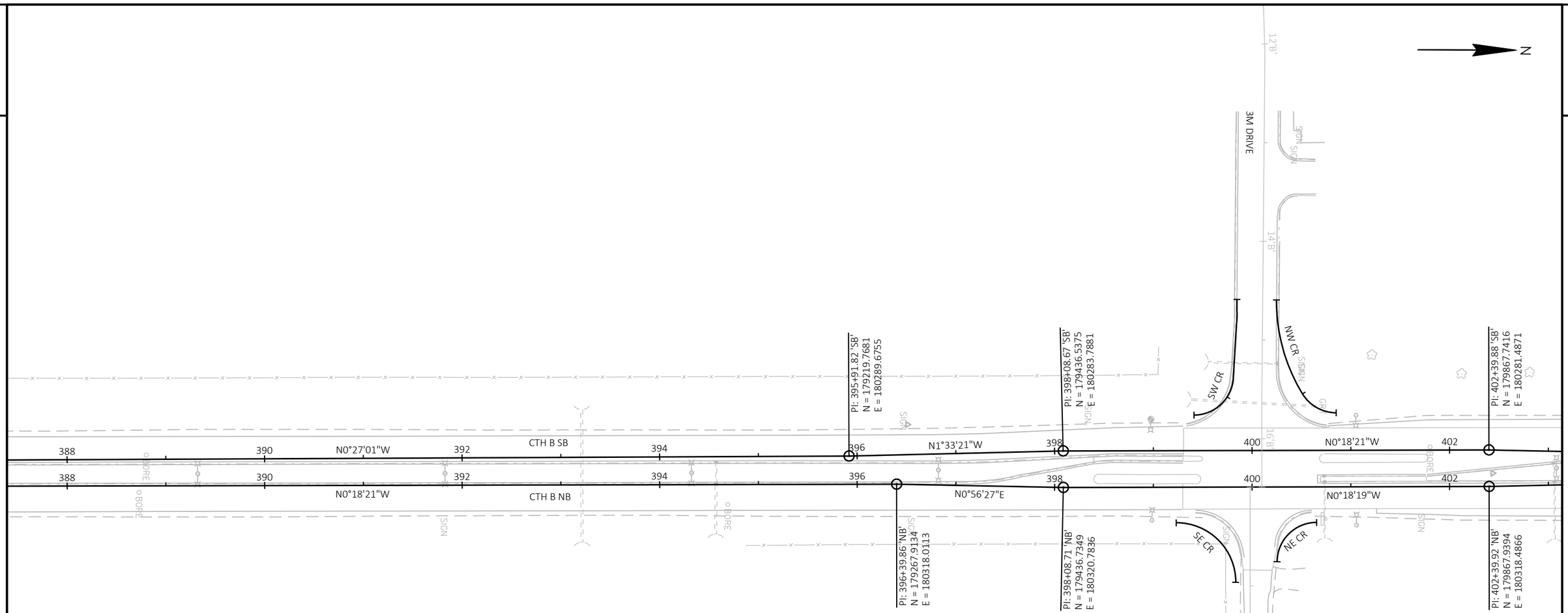
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	ALIGNMENT DETAILS - MAINLINE	SHEET 226	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - CTH B-03

PLOT DATE : 12/2/2022 9:56 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



ALIGNMENT DESIGNATION	ROADWAY SEGMENT
NB	CTH B NB
SB	CTH B SB
US	USH 12/STH 29 WB
A	578TH AVE
WN	WALTON AVE
DC	WAL-MART DISTRIBUTION CENTER
B	3M DRIVE
C	610TH AVE
BG	BADGER DRIVE
D	628TH AVE
P	PACKER DRIVE
NW	IH 94 WB ON RAMP
NE	IH 94 WB OFF RAMP
SW	IH 94 EB OFF RAMP
SE	IH 94 EB ON RAMP
TA	USH 12/CTH B NB TEMP WIDENING
TB	3M DRIVE TEMP WIDENING
TC	IH 94 EB ON RAMP NE TEMP WIDENING
TD	IH 94 EB ON RAMP SE TEMP WIDENING
TE	IH 94 WB ON RAMP NW TEMP WIDENING
TF	IH 94 WB ON RAMP SW TEMP WIDENING

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	ALIGNMENT DETAILS - MAINLINE	SHEET 227	E

2

2

N

PI: 402+39.88 'SB'
N = 179867.7416
E = 180281.4871

PI: 404+08.44 'SB'
N = 180036.2797
E = 180284.2403

PI: 402+39.92 'NB'
N = 179867.9394
E = 180318.4866

PI: 404+08.48 'NB'
N = 180036.4380
E = 180313.9103

EP: 413+20.19 'SB'
N = 180948.0183
E = 180279.2826

BP: 413+20.19 'SB'
N = 180948.0183
E = 180279.2826

EP: 413+20.23 'NB'
N = 180948.1762
E = 180309.0451

BP: 413+20.23 'NB'
N = 180948.1762
E = 180309.0451

N0°56'09"E

N1°33'21"W

CTH B SB

CTH B NB

N0°18'42"W

N0°18'21"W

404

406

408

410

412

414'SB'

416'SB'

414'NB'

416'NB'

IH 94 SW

IH 94 SE

270'SW

272'SW

274'SE

276'SE

SIGN

ALIGNMENT DESIGNATION	ROADWAY SEGMENT
NB	CTH B NB
SB	CTH B SB
US	USH 12/STH 29 WB
A	578TH AVE
WN	WALTON AVE
DC	WAL-MART DISTRIBUTION CENTER
B	3M DRIVE
C	610TH AVE
BG	BADGER DRIVE
D	628TH AVE
P	PACKER DRIVE
NW	IH 94 WB ON RAMP
NE	IH 94 WB OFF RAMP
SW	IH 94 EB OFF RAMP
SE	IH 94 EB ON RAMP
TA	USH 12/CTH B NB TEMP WIDENING
TB	3M DRIVE TEMP WIDENING
TC	IH 94 EB ON RAMP NE TEMP WIDENING
TD	IH 94 EB ON RAMP SE TEMP WIDENING
TE	IH 94 WB ON RAMP NW TEMP WIDENING
TF	IH 94 WB ON RAMP SW TEMP WIDENING

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	ALIGNMENT DETAILS - MAINLINE	SHEET 228	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\027201_AD.DWG
LAYOUT NAME - CTH B-05

PLOT DATE : 12/2/2022 9:56 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

N

CTH B SB

CURVE 5

PI STA = 428+55.38 'SB'
Y = 182483.102
X = 180264.582
DELTA = 3°25'09" RT
D = 0°52'53"
T = 194.00'
L = 387.88'
R = 6500.00'
PC STA = 426+61.39 'SB'
Y = 182289.109
X = 180265.841
PT STA = 430+49.26 'SB'
Y = 182676.825
X = 180274.895
DB = N00°22'19"W
DA = N03°02'50"E

BADGER DR

IH 94 NW

IH 94 NE

628TH AVE

CTH B SB

CTH B NB

CURVE 5

PI: 420+49.71 'SB'
N = 181677.5215
E = 180274.3109

PI: 422+74.71 'SB'
N = 181902.4425
E = 180268.3510

PC: 426+61.39 'SB'

PT: 430+49.26 'SB'

PI: 423+19.81 'NB'
N = 181947.7371
E = 180302.6815

PI: 424+38.63 'NB'
N = 182066.5475
E = 180304.2867

PI: 426+56.81 'NB'
N = 182284.7244
E = 180302.3707

418'SB' 420'SB' N1°31'04"W 422'SB' 424'SB' N0°22'19"W 426'SB' 428'SB' 430'SB' N3°02'50"E 432'SB'

418'NB' 420'NB' 422'NB' 424'NB' N0°46'27"E N0°22'19"W 426'NB' 428'NB' 430'NB' N0°43'57"E 432'NB'

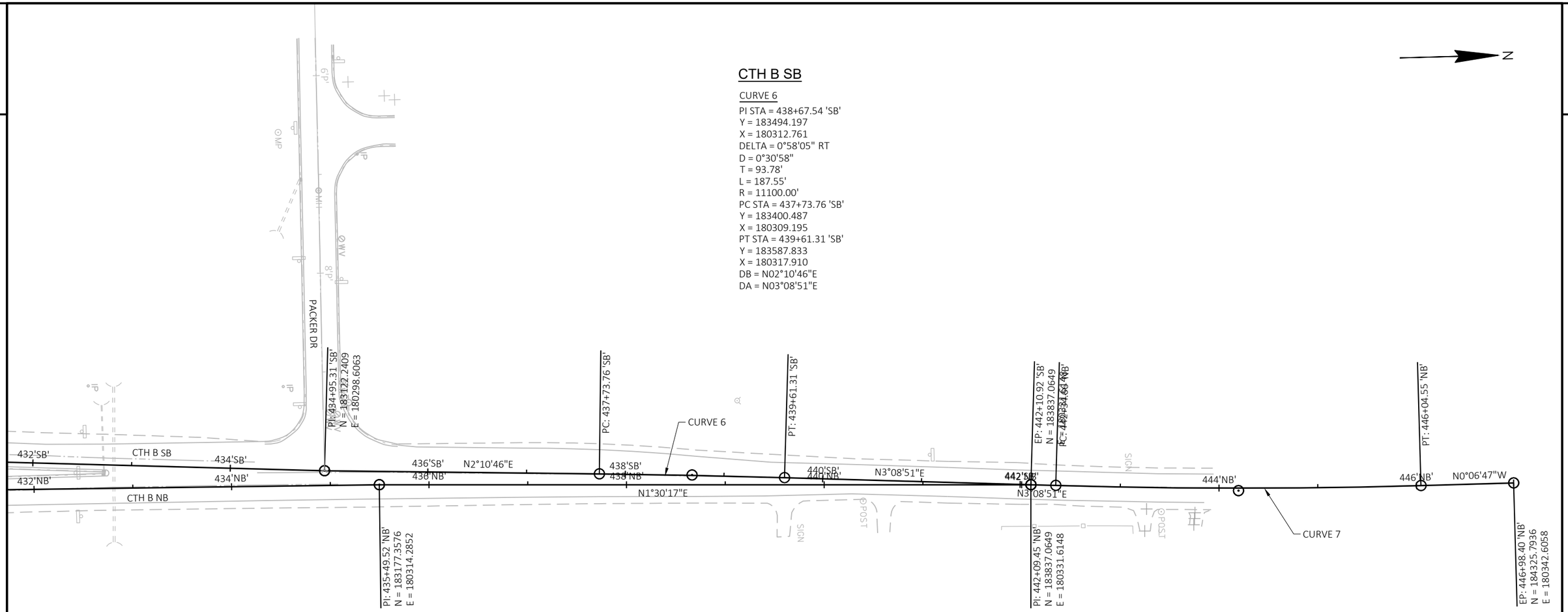
ALIGNMENT DESIGNATION	ROADWAY SEGMENT
NB	CTH B NB
SB	CTH B SB
US	USH 12/STH 29 WB
A	578TH AVE
WN	WALTON AVE
DC	WAL-MART DISTRIBUTION CENTER
B	3M DRIVE
C	610TH AVE
BG	BADGER DRIVE
D	628TH AVE
P	PACKER DRIVE
NW	IH 94 WB ON RAMP
NE	IH 94 WB OFF RAMP
SW	IH 94 EB OFF RAMP
SE	IH 94 EB ON RAMP
TA	USH 12/CTH B NB TEMP WIDENING
TB	3M DRIVE TEMP WIDENING
TC	IH 94 EB ON RAMP NE TEMP WIDENING
TD	IH 94 EB ON RAMP SE TEMP WIDENING
TE	IH 94 WB ON RAMP NW TEMP WIDENING
TF	IH 94 WB ON RAMP SW TEMP WIDENING

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	ALIGNMENT DETAILS - MAINLINE	SHEET 229	E

2

CTH B SB

CURVE 6
PI STA = 438+67.54 'SB'
Y = 183494.197
X = 180312.761
DELTA = 0°58'05" RT
D = 0°30'58"
T = 93.78'
L = 187.55'
R = 11100.00'
PC STA = 437+73.76 'SB'
Y = 183400.487
X = 180309.195
PT STA = 439+61.31 'SB'
Y = 183587.833
X = 180317.910
DB = N02°10'46"E
DA = N03°08'51"E



ALIGNMENT DESIGNATION	ROADWAY SEGMENT
NB	CTH B NB
SB	CTH B SB
US	USH 12/STH 29 WB
A	578TH AVE
WN	WALTON AVE
DC	WAL-MART DISTRIBUTION CENTER
B	3M DRIVE
C	610TH AVE
BG	BADGER DRIVE
D	628TH AVE
P	PACKER DRIVE
NW	IH 94 WB ON RAMP
NE	IH 94 WB OFF RAMP
SW	IH 94 EB OFF RAMP
SE	IH 94 EB ON RAMP
TA	USH 12/CTH B NB TEMP WIDENING
TB	3M DRIVE TEMP WIDENING
TC	IH 94 EB ON RAMP NE TEMP WIDENING
TD	IH 94 EB ON RAMP SE TEMP WIDENING
TE	IH 94 WB ON RAMP NW TEMP WIDENING
TF	IH 94 WB ON RAMP SW TEMP WIDENING

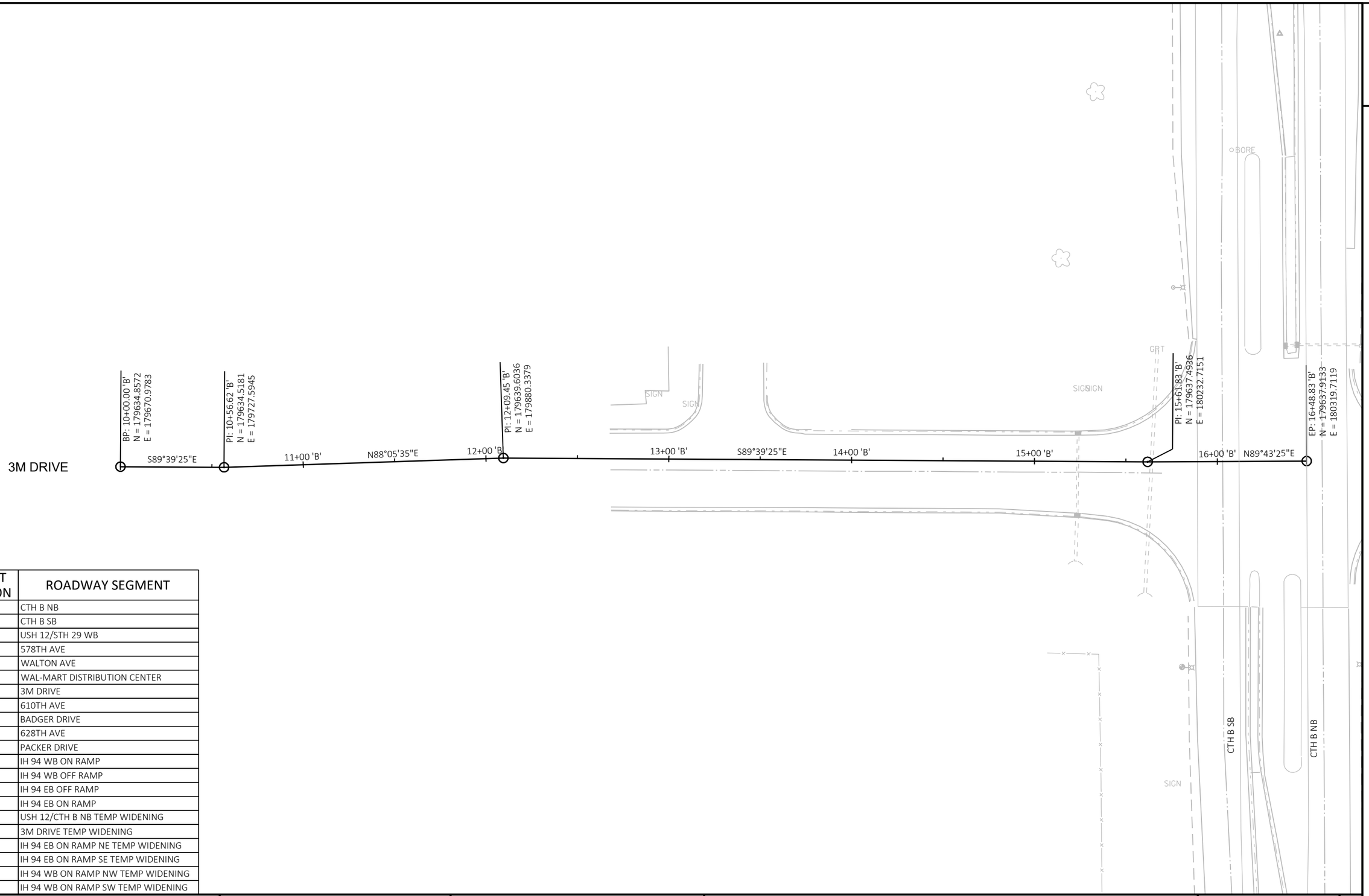
CTH B NB

CURVE 7
PI STA = 444+19.65 'NB'
Y = 184046.948
X = 180343.156
DELTA = 3°15'38" LT
D = 0°52'53"
T = 184.99'
L = 369.89'
R = 6500.00'
PC STA = 442+34.66 'NB'
Y = 183862.233
X = 180332.999
PT STA = 446+04.55 'NB'
Y = 184231.941
X = 180342.791
DB = N03°08'51"E
DA = N00°06'47"W

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	ALIGNMENT DETAILS - MAINLINE	SHEET 230	E

2

N



ALIGNMENT DESIGNATION	ROADWAY SEGMENT
NB	CTH B NB
SB	CTH B SB
US	USH 12/STH 29 WB
A	578TH AVE
WN	WALTON AVE
DC	WAL-MART DISTRIBUTION CENTER
B	3M DRIVE
C	610TH AVE
BG	BADGER DRIVE
D	628TH AVE
P	PACKER DRIVE
NW	IH 94 WB ON RAMP
NE	IH 94 WB OFF RAMP
SW	IH 94 EB OFF RAMP
SE	IH 94 EB ON RAMP
TA	USH 12/CTH B NB TEMP WIDENING
TB	3M DRIVE TEMP WIDENING
TC	IH 94 EB ON RAMP NE TEMP WIDENING
TD	IH 94 EB ON RAMP SE TEMP WIDENING
TE	IH 94 WB ON RAMP NW TEMP WIDENING
TF	IH 94 WB ON RAMP SW TEMP WIDENING

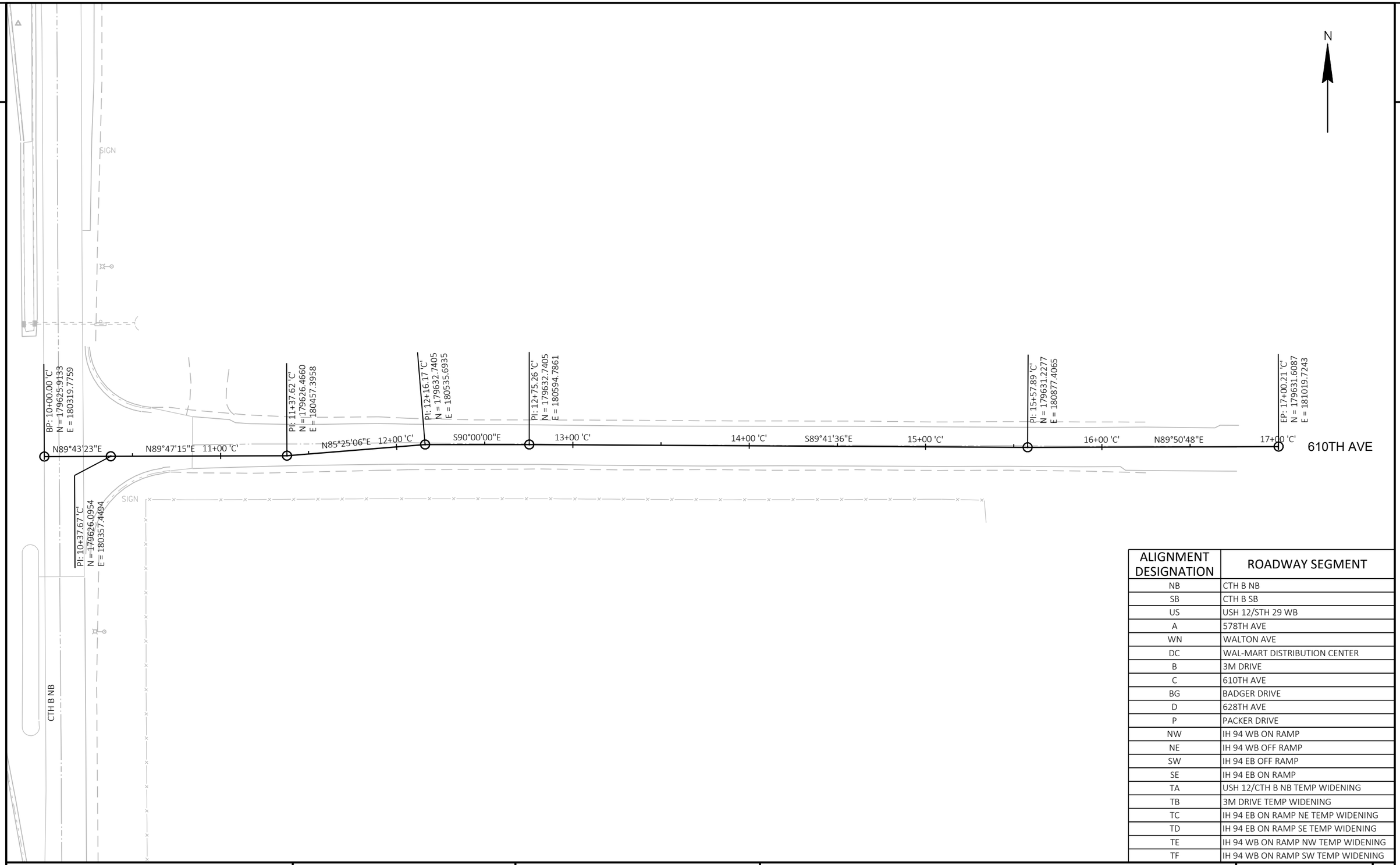
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	ALIGNMENT DETAILS - SIDE ROADS	SHEET 231	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\027202_AD.DWG
LAYOUT NAME - 3M DRIVE-01

PLOT DATE : 12/2/2022 10:04 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

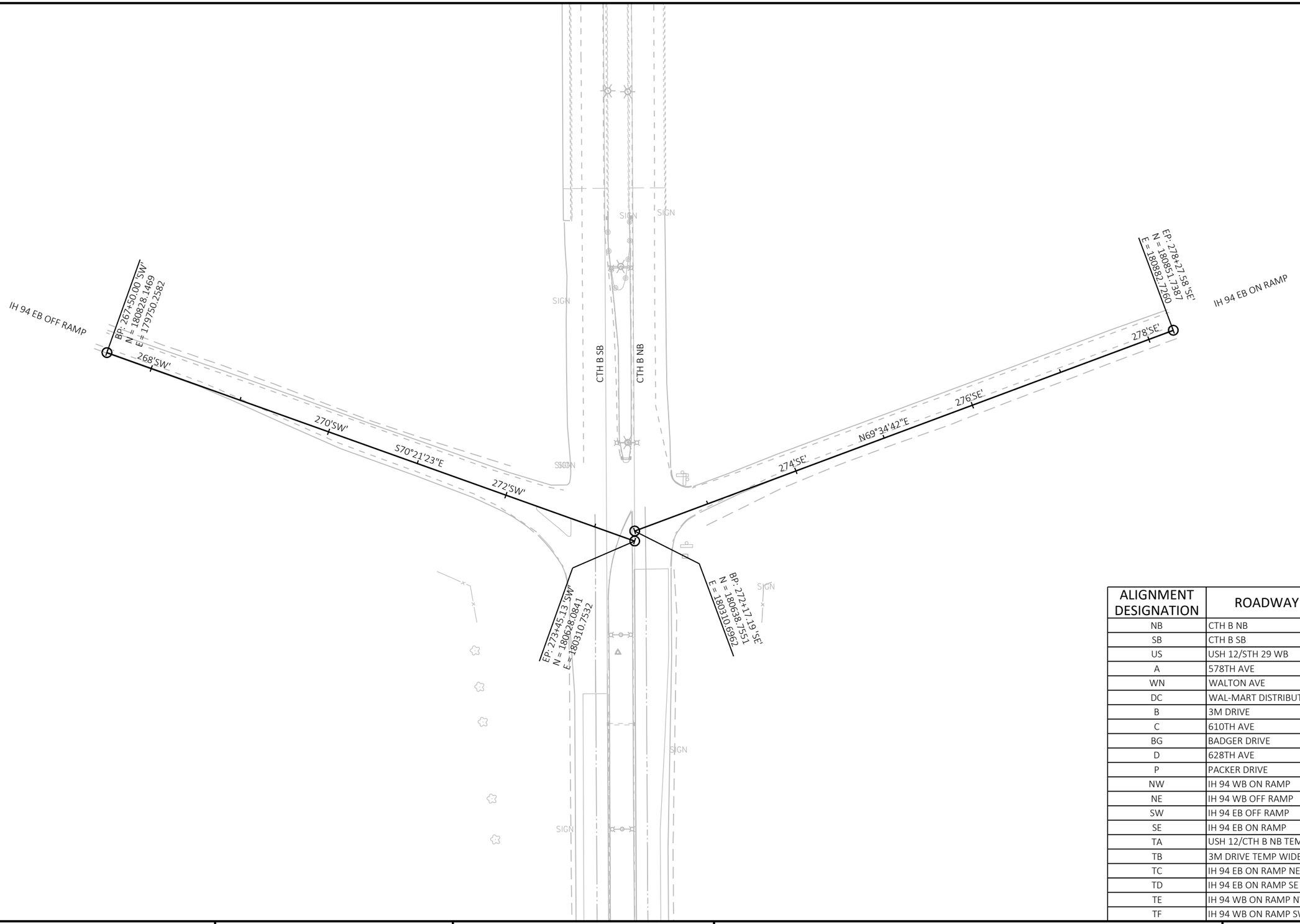
2



ALIGNMENT DESIGNATION	ROADWAY SEGMENT
NB	CTH B NB
SB	CTH B SB
US	USH 12/STH 29 WB
A	578TH AVE
WN	WALTON AVE
DC	WAL-MART DISTRIBUTION CENTER
B	3M DRIVE
C	610TH AVE
BG	BADGER DRIVE
D	628TH AVE
P	PACKER DRIVE
NW	IH 94 WB ON RAMP
NE	IH 94 WB OFF RAMP
SW	IH 94 EB OFF RAMP
SE	IH 94 EB ON RAMP
TA	USH 12/CTH B NB TEMP WIDENING
TB	3M DRIVE TEMP WIDENING
TC	IH 94 EB ON RAMP NE TEMP WIDENING
TD	IH 94 EB ON RAMP SE TEMP WIDENING
TE	IH 94 WB ON RAMP NW TEMP WIDENING
TF	IH 94 WB ON RAMP SW TEMP WIDENING

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	ALIGNMENT DETAILS - SIDE ROADS	SHEET 232	E

2



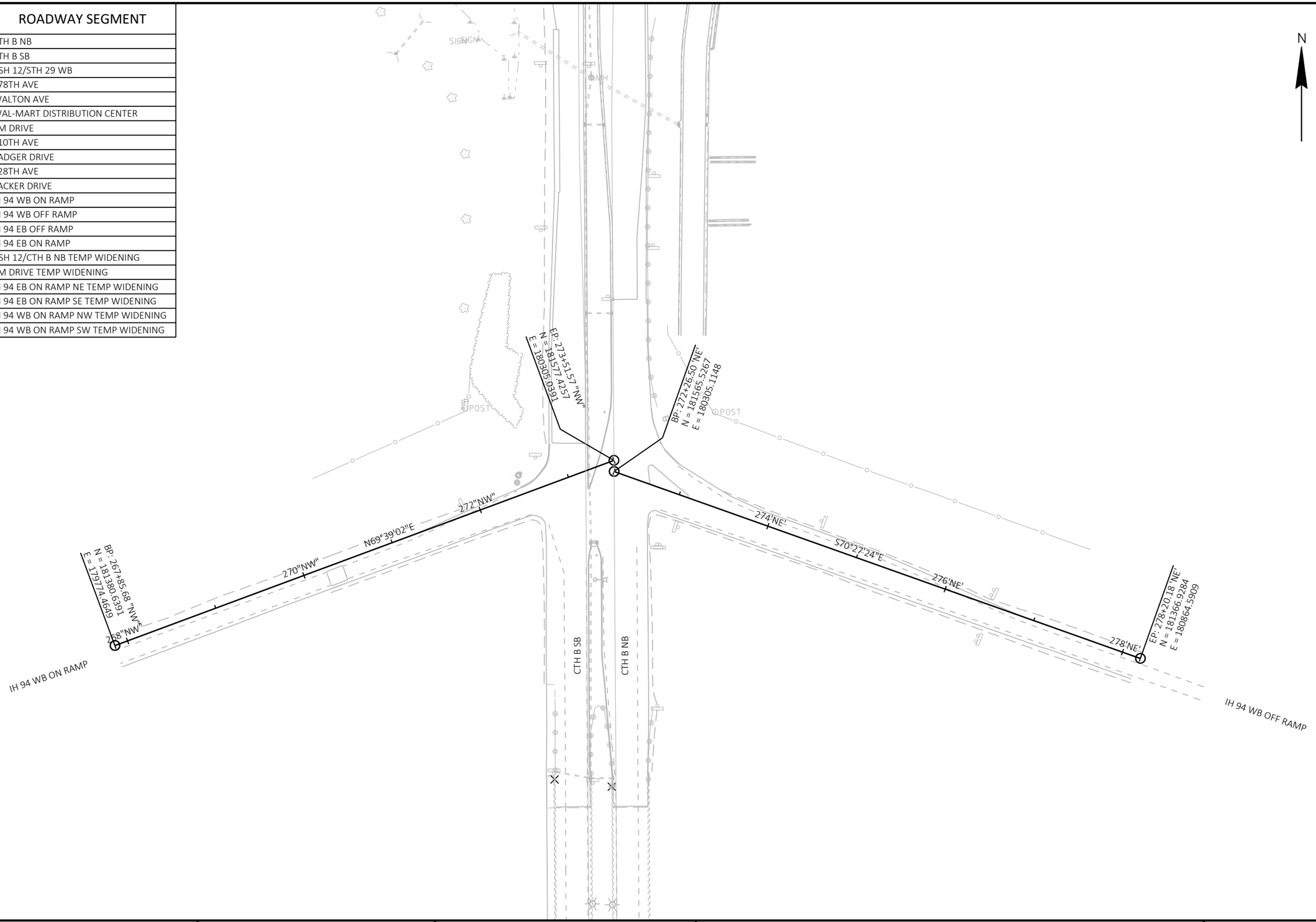
ALIGNMENT DESIGNATION	ROADWAY SEGMENT
NB	CTH B NB
SB	CTH B SB
US	USH 12/STH 29 WB
A	578TH AVE
WN	WALTON AVE
DC	WAL-MART DISTRIBUTION CENTER
B	3M DRIVE
C	610TH AVE
BG	BADGER DRIVE
D	628TH AVE
P	PACKER DRIVE
NW	IH 94 WB ON RAMP
NE	IH 94 WB OFF RAMP
SW	IH 94 EB OFF RAMP
SE	IH 94 EB ON RAMP
TA	USH 12/CTH B NB TEMP WIDENING
TB	3M DRIVE TEMP WIDENING
TC	IH 94 EB ON RAMP NE TEMP WIDENING
TD	IH 94 EB ON RAMP SE TEMP WIDENING
TE	IH 94 WB ON RAMP NW TEMP WIDENING
TF	IH 94 WB ON RAMP SW TEMP WIDENING

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	ALIGNMENT DETAILS - SIDE ROADS	SHEET 233	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\027202_AD.DWG
LAYOUT NAME - IH94 EB RAMPS

PLOT DATE : 12/2/2022 10:04 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:100 FT

ALIGNMENT DESIGNATION	ROADWAY SEGMENT
NB	CTH B NB
SB	CTH B SB
US	USH 12/STH 29 WB
A	578TH AVE
WN	WALTON AVE
DC	WAL-MART DISTRIBUTION CENTER
B	3M DRIVE
C	610TH AVE
BG	BADGER DRIVE
D	628TH AVE
P	PACKER DRIVE
NW	IH 94 WB ON RAMP
NE	IH 94 WB OFF RAMP
SW	IH 94 EB OFF RAMP
SE	IH 94 EB ON RAMP
TA	USH 12/CTH B NB TEMP WIDENING
TB	3M DRIVE TEMP WIDENING
TC	IH 94 EB ON RAMP NE TEMP WIDENING
TD	IH 94 EB ON RAMP SE TEMP WIDENING
TE	IH 94 WB ON RAMP NW TEMP WIDENING
TF	IH 94 WB ON RAMP SW TEMP WIDENING



PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	ALIGNMENT DETAILS - SIDE ROADS	SHEET 234	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\027202_AD.DWG
LAYOUT NAME - IH94 WB RAMPS

PLOT DATE : 12/2/2022 10:04 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

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Line	Item	Item Description	Unit	Total	Qty
0002	203.0100	Removing Small Pipe Culverts	EACH	1.000	1.000
0004	204.0100	Removing Concrete Pavement	SY	7,954.000	7,954.000
0006	204.0110	Removing Asphaltic Surface	SY	2,657.000	2,657.000
0008	204.0150	Removing Curb & Gutter	LF	11,833.000	11,833.000
0010	204.0155	Removing Concrete Sidewalk	SY	560.000	560.000
0012	204.0195	Removing Concrete Bases	EACH	46.000	46.000
0014	204.0220	Removing Inlets	EACH	26.000	26.000
0016	204.0245	Removing Storm Sewer (size) 01. 12 Inch	LF	448.000	448.000
0018	204.0245	Removing Storm Sewer (size) 02. 15 Inch	LF	250.000	250.000
0020	204.0245	Removing Storm Sewer (size) 03. 18 Inch	LF	603.000	603.000
0022	204.0245	Removing Storm Sewer (size) 04. 24 Inch	LF	132.000	132.000
0024	204.9060.S	Removing (item description) 01. Street Light Assembly	EACH	22.000	22.000
0026	204.9060.S	Removing (item description) 02. Lighting Controls	EACH	1.000	1.000
0028	204.9060.S	Removing (item description) 03. Removing Traffic Signals CTH B & 3M Drive/610th Avenue	EACH	1.000	1.000
0030	204.9090.S	Removing (item description) 01. Electrical Conductors From Existing Conduit	LF	4,300.000	4,300.000
0032	205.0100	Excavation Common	CY	20,834.000	20,834.000
0034	208.0100	Borrow	CY	92.000	92.000
0036	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 7996-00-43	EACH	1.000	1.000
0038	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	12.000	12.000
0040	213.0100	Finishing Roadway (project) 01. 7996-00-43	EACH	1.000	1.000
0042	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,620.000	1,620.000
0044	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	29,487.000	29,487.000
0046	415.0090	Concrete Pavement 9-Inch	SY	15,258.000	15,258.000
0048	415.0100	Concrete Pavement 10-Inch	SY	26,844.000	26,844.000
0050	415.0210	Concrete Pavement Gaps	EACH	8.000	8.000
0052	415.1090	Concrete Pavement HES 9-Inch	SY	2,246.000	2,246.000
0054	415.1100	Concrete Pavement HES 10-Inch	SY	3,345.000	3,345.000
0056	416.0610	Drilled Tie Bars	EACH	252.000	252.000
0058	416.0620	Drilled Dowel Bars	EACH	60.000	60.000
0060	455.0605	Tack Coat	GAL	189.000	189.000
0062	460.2000	Incentive Density HMA Pavement	DOL	850.000	850.000
0064	460.5244	HMA Pavement 4 LT 58-34 S	TON	1,324.000	1,324.000
0066	465.0105	Asphaltic Surface	TON	27.000	27.000
0068	465.0125	Asphaltic Surface Temporary	TON	716.000	716.000
0070	465.0310	Asphaltic Curb	LF	45.000	45.000
0072	520.8000	Concrete Collars for Pipe	EACH	1.000	1.000
0074	521.6118	Culvert Pipe Corrugated Steel Aluminum Coated 18-Inch	LF	38.000	38.000
0076	522.0424	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	4.000	4.000
0078	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	1.000	1.000
0080	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	1.000	1.000
0082	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	12.000	12.000
0084	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	1.000	1.000
0086	524.0624	Apron Endwalls for Culvert Pipe Salvaged 24-Inch	EACH	1.000	1.000
0088	525.0318	Apron Endwalls for Culvert Pipe Aluminum 18-Inch	EACH	2.000	2.000
0090	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	531.000	531.000
0092	601.0555	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	LF	13,221.000	13,221.000
0094	602.0405	Concrete Sidewalk 4-Inch	SF	4,815.000	4,815.000
0096	603.8000	Concrete Barrier Temporary Precast Delivered	LF	62.000	62.000

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Line	Item	Item Description	Unit	Total	Qty
0098	603.8125	Concrete Barrier Temporary Precast Installed	LF	62.000	62.000
0100	603.8500	Anchoring Concrete Barrier Temporary Precast	LF	62.000	62.000
0102	606.0200	Riprap Medium	CY	71.000	71.000
0104	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	390.000	390.000
0106	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	906.000	906.000
0108	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	348.000	348.000
0110	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	55.000	55.000
0112	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	359.000	359.000
0114	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	8.000	8.000
0116	611.0627	Inlet Covers Type HM	EACH	32.000	32.000
0118	611.0636	Inlet Covers Type HM-S	EACH	12.000	12.000
0120	611.0642	Inlet Covers Type MS	EACH	2.000	2.000
0122	611.0651	Inlet Covers Type S	EACH	1.000	1.000
0124	611.3004	Inlets 4-FT Diameter	EACH	9.000	9.000
0126	611.3230	Inlets 2x3-FT	EACH	35.000	35.000
0128	611.3902	Inlets Median 2 Grate	EACH	2.000	2.000
0130	611.8110	Adjusting Manhole Covers	EACH	10.000	10.000
0132	611.8120.S	Cover Plates Temporary	EACH	1.000	1.000
0134	611.9710	Salvaged Inlet Covers	EACH	2.000	2.000
0136	618.0100	Maintenance And Repair of Haul Roads (project) 01. 7996-00-43	EACH	1.000	1.000
0138	619.1000	Mobilization	EACH	1.000	1.000
0140	620.0300	Concrete Median Sloped Nose	SF	506.000	506.000
0142	624.0100	Water	MGAL	294.000	294.000
0144	625.0500	Salvaged Topsoil	SY	34,447.000	34,447.000
0146	627.0200	Mulching	SY	33,548.000	33,548.000
0148	628.1504	Silt Fence	LF	9,157.000	9,157.000
0150	628.1520	Silt Fence Maintenance	LF	9,157.000	9,157.000
0152	628.1905	Mobilizations Erosion Control	EACH	7.000	7.000
0154	628.1910	Mobilizations Emergency Erosion Control	EACH	6.000	6.000
0156	628.2004	Erosion Mat Class I Type B	SY	898.000	898.000
0158	628.7005	Inlet Protection Type A	EACH	58.000	58.000
0160	628.7015	Inlet Protection Type C	EACH	56.000	56.000
0162	628.7504	Temporary Ditch Checks	LF	275.000	275.000
0164	628.7555	Culvert Pipe Checks	EACH	8.000	8.000
0166	629.0210	Fertilizer Type B	CWT	22.000	22.000
0168	630.0120	Seeding Mixture No. 20	LB	600.000	600.000
0170	630.0130	Seeding Mixture No. 30	LB	210.000	210.000
0172	630.0200	Seeding Temporary	LB	27.000	27.000
0174	630.0500	Seed Water	MGAL	384.000	384.000
0176	633.5200	Markers Culvert End	EACH	4.000	4.000
0178	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	30.000	30.000
0180	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	47.000	47.000
0182	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	3.000	3.000
0184	634.0620	Posts Wood 4x6-Inch X 20-FT	EACH	9.000	9.000
0186	634.0622	Posts Wood 4x6-Inch X 22-FT	EACH	1.000	1.000
0188	637.2210	Signs Type II Reflective H	SF	1,273.000	1,273.000
0190	637.2215	Signs Type II Reflective H Folding	SF	40.000	40.000
0192	637.2230	Signs Type II Reflective F	SF	72.000	72.000
0194	638.2102	Moving Signs Type II	EACH	7.000	7.000

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Line	Item	Item Description	Unit	Total	Qty
0196	638.2602	Removing Signs Type II	EACH	103.000	103.000
0198	638.3000	Removing Small Sign Supports	EACH	72.000	72.000
0200	642.5201	Field Office Type C	EACH	1.000	1.000
0202	643.0300	Traffic Control Drums	DAY	63,512.000	63,512.000
0204	643.0420	Traffic Control Barricades Type III	DAY	9,739.000	9,739.000
0206	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	412.000	412.000
0208	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	358.000	358.000
0210	643.0705	Traffic Control Warning Lights Type A	DAY	11,733.000	11,733.000
0212	643.0715	Traffic Control Warning Lights Type C	DAY	3,852.000	3,852.000
0214	643.0800	Traffic Control Arrow Boards	DAY	123.000	123.000
0216	643.0900	Traffic Control Signs	DAY	13,870.000	13,870.000
0218	643.1050	Traffic Control Signs PCMS	DAY	600.000	600.000
0220	643.3105	Temporary Marking Line Paint 4-Inch	LF	28,605.000	28,605.000
0222	643.3150	Temporary Marking Line Removable Tape 4-Inch	LF	30,905.000	30,905.000
0224	643.3205	Temporary Marking Line Paint 8-Inch	LF	665.000	665.000
0226	643.3250	Temporary Marking Line Removable Tape 8-Inch	LF	1,285.000	1,285.000
0228	643.3805	Temporary Marking Stop Line Paint 18-Inch	LF	107.000	107.000
0230	643.3850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	481.000	481.000
0232	643.5000	Traffic Control	EACH	1.000	1.000
0234	645.0120	Geotextile Type HR	SY	215.000	215.000
0236	646.2020	Marking Line Epoxy 6-Inch	LF	13,883.000	13,883.000
0238	646.2025	Marking Line Grooved Black Epoxy 6-Inch	LF	6,740.000	6,740.000
0240	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	19,657.000	19,657.000
0242	646.4020	Marking Line Epoxy 10-Inch	LF	3,305.000	3,305.000
0244	646.5020	Marking Arrow Epoxy	EACH	28.000	28.000
0246	646.5120	Marking Word Epoxy	EACH	9.000	9.000
0248	646.6120	Marking Stop Line Epoxy 18-Inch	LF	412.000	412.000
0250	646.8120	Marking Curb Epoxy	LF	505.000	505.000
0252	646.8220	Marking Island Nose Epoxy	EACH	11.000	11.000
0254	646.9000	Marking Removal Line 4-Inch	LF	3,674.000	3,674.000
0256	646.9100	Marking Removal Line 8-Inch	LF	200.000	200.000
0258	650.4000	Construction Staking Storm Sewer	EACH	61.000	61.000
0260	650.4500	Construction Staking Subgrade	LF	12,675.000	12,675.000
0262	650.5000	Construction Staking Base	LF	179.000	179.000
0264	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	12,712.000	12,712.000
0266	650.6000	Construction Staking Pipe Culverts	EACH	2.000	2.000
0268	650.7000	Construction Staking Concrete Pavement	LF	12,496.000	12,496.000
0270	650.8501	Construction Staking Electrical Installations (project) 01. 7996-00-43	EACH	1.000	1.000
0272	650.9911	Construction Staking Supplemental Control (project) 01. 7996-00-43	EACH	1.000	1.000
0274	650.9920	Construction Staking Slope Stakes	LF	12,675.000	12,675.000
0276	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	7,302.000	7,302.000
0278	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	1,992.000	1,992.000
0280	652.0800	Conduit Loop Detector	LF	1,812.000	1,812.000
0282	653.0135	Pull Boxes Steel 24x36-Inch	EACH	3.000	3.000
0284	653.0154	Pull Boxes Non-Conductive 24x36-Inch	EACH	8.000	8.000
0286	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	35.000	35.000
0288	653.0900	Adjusting Pull Boxes	EACH	5.000	5.000
0290	653.0905	Removing Pull Boxes	EACH	14.000	14.000
0292	654.0101	Concrete Bases Type 1	EACH	8.000	8.000

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Line	Item	Item Description	Unit	Total	Qty
0294	654.0102	Concrete Bases Type 2	EACH	9.000	9.000
0296	654.0105	Concrete Bases Type 5	EACH	29.000	29.000
0298	654.0120	Concrete Bases Type 10-Special	EACH	4.000	4.000
0300	654.0230	Concrete Control Cabinet Bases Type L30	EACH	1.000	1.000
0302	655.0230	Cable Traffic Signal 5-14 AWG	LF	1,620.000	1,620.000
0304	655.0240	Cable Traffic Signal 7-14 AWG	LF	3,079.000	3,079.000
0306	655.0260	Cable Traffic Signal 12-14 AWG	LF	2,743.000	2,743.000
0308	655.0305	Cable Type UF 2-12 AWG Grounded	LF	734.000	734.000
0310	655.0320	Cable Type UF 2-10 AWG Grounded	LF	665.000	665.000
0312	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	2,823.000	2,823.000
0314	655.0610	Electrical Wire Lighting 12 AWG	LF	7,505.000	7,505.000
0316	655.0620	Electrical Wire Lighting 8 AWG	LF	11,413.000	11,413.000
0318	655.0625	Electrical Wire Lighting 6 AWG	LF	18,722.000	18,722.000
0320	655.0700	Loop Detector Lead In Cable	LF	3,972.000	3,972.000
0322	655.0800	Loop Detector Wire	LF	5,962.000	5,962.000
0324	655.0900	Traffic Signal EVP Detector Cable	LF	1,135.000	1,135.000
0326	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. CB100	EACH	1.000	1.000
0328	656.0201	Electrical Service Meter Breaker Pedestal (location) 02. CB200	EACH	1.000	1.000
0330	657.0100	Pedestal Bases	EACH	4.000	4.000
0332	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	33.000	33.000
0334	657.0310	Poles Type 3	EACH	1.000	1.000
0336	657.0315	Poles Type 4	EACH	4.000	4.000
0338	657.0322	Poles Type 5-Aluminum	EACH	28.000	28.000
0340	657.0347	Poles Type 9-Special	EACH	4.000	4.000
0342	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	4.000	4.000
0344	657.0541	Monotube Arms 40-FT-Special	EACH	4.000	4.000
0346	657.0609	Luminaire Arms Single Member 4-Inch Clamp 6-FT	EACH	6.000	6.000
0348	657.0610	Luminaire Arms Single Member 4 1/2-Inch Clamp 6-FT	EACH	47.000	47.000
0350	657.0704	Luminaire Arms Truss Type 4-Inch Clamp 10-FT	EACH	1.000	1.000
0352	658.0173	Traffic Signal Face 3S 12-Inch	EACH	22.000	22.000
0354	658.5070	Signal Mounting Hardware (location) 01. CTH B & 3M Drive / 610th Avenue	EACH	1.000	1.000
0356	659.1115	Luminaires Utility LED A	EACH	53.000	53.000
0358	659.1125	Luminaires Utility LED C	EACH	1.000	1.000
0360	659.2130	Lighting Control Cabinets 120/240 30-Inch	EACH	2.000	2.000
0362	659.5000.S	Lamp, Ballast, LED, Switch Disposal by Contractor	EACH	22.000	22.000
0364	661.0201	Temporary Traffic Signals for Intersections (location) 01. CTH B & 3M Drive / 610th Avenue	EACH	1.000	1.000
0366	661.0201	Temporary Traffic Signals for Intersections (location) 02. CTH B & IH 94 Eastbound Ramps	EACH	1.000	1.000
0368	661.0201	Temporary Traffic Signals for Intersections (location) 03. CTH B & IH 94 Westbound Ramps	EACH	1.000	1.000
0370	690.0150	Sawing Asphalt	LF	1,037.000	1,037.000
0372	690.0250	Sawing Concrete	LF	3,711.000	3,711.000
0374	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	14,308.000	14,308.000
0376	740.0440	Incentive IRI Ride	DOL	9,203.000	9,203.000
0378	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,400.000	2,400.000
0380	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	2,400.000	2,400.000
0382	SPV.0060	Special 01. Temporary EVP System CTH B & IH 94 Eastbound Ramps	EACH	1.000	1.000
0384	SPV.0060	Special 02. Temporary EVP System CTH B & IH 94 Westbound Ramps	EACH	1.000	1.000
0386	SPV.0060	Special 04. Salvage & Reinstall Traffic Signal Equipment CTH B & USH 12/STH 29	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0388	SPV.0060	Special 05. Salvage & Reinstall Traffic Signal Equipment CTH B & IH 94 Eastbound Ramps	EACH	1.000	1.000
0390	SPV.0060	Special 06. Salvage & Reinstall Traffic Signal Equipment CTH B & IH 94 Westbound Ramps	EACH	1.000	1.000
0392	SPV.0060	Special 07. Traffic Signal Cabinet and Controller CTH B & 3M Drive/610th Avenue	EACH	1.000	1.000
0394	SPV.0060	Special 08. Salvage & Reinstall Ramp Closure Gates CTH B & IH 94 Eastbound Ramps	EACH	1.000	1.000
0396	SPV.0060	Special 09. Concrete Control Cabinet Double Base	EACH	1.000	1.000
0398	SPV.0060	Special 10. Adjusting Water Valve Box	EACH	2.000	2.000
0400	SPV.0090	Special 01. Install State Furnished CAT-5E Cable	LF	231.000	231.000

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EARTHWORK SUMMARY

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (6) FACTOR 1.30	MASS ORDINATE +/- (7)	WASTE (8)	208.0100 BORROW	COMMENT
STAGE 1A (TEMPORARY WIDENING)												
	1+00.00/4+13.34	3M DR (TB)	160	0	18	142	99	128	14	14	0	
	1+00.00/1+75.19	IH 94 WB ON-RAMP NW (TE)	19	0	5	14	0	0	14	14	0	
	419+66.49/421+16.09	CTH B SB	33	0	0	33	9	12	22	22	0	
	1+00.00/1+42.40	IH 94 WB ON-RAMP SW (TF)	5	0	0	5	0	0	5	5	0	
STAGE 1A SUBTOTAL			217	0	23	194	108	140	54	54	0	
STAGE 2 (TEMPORARY WIDENING)												
	1+00.00/2+26.22	USH12/CTH B NB (TA)	42	0	8	33	0	0	33	33	0	
	1+15.10/2+95.58	IH 94 EB ON-RAMP NE (TC)	37	0	2	35	16	21	14	14	0	
	1+09.40/2+70.02	IH 94 EB ON-RAMP SE (TD)	40	0	4	36	0	0	35	35	0	
STAGE 2												
	348+29.93/409+70.59	CTH B	10,972	0	3,628	7,344	217	282	7,062	7,062	0	
	10+36.00/12+75.00	610TH AVE	280	0	105	175	205	267	-92	0	92	
STAGE 2 SUBTOTAL			11,371	0	3,748	7,623	438	570	7,053	7,145	92	
STAGE 3												
CTH B-STAGE 3	348+29.93/409+70.59	CTH B	8,846	0	3,481	5,365	400	520	4,845	4,845	0	
578TH	10+77.85/11+39.36	578TH AVE	51	0	33	18	3	4	14	14	0	
WALTON	10+80.30/11+45.00	WALTON AVE	71	0	35	36	0	0	36	36	0	
DIST CENTER	12+62.61/13+09.99	DIST. CENTER	107	0	47	60	1	1	59	59	0	
3M DR	14+59.14/15+74.88	3M DR.	171	0	97	74	0	0	74	74	0	
STAGE 3 SUBTOTAL			9,246	0	3,693	5,553	404	525	5,028	5,028	0	
GRAND TOTAL			20,834	0	7,464	13,370	950	1,235	12,136	12,227	92	
TOTAL COMMON EXC			20,834									

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

(3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT BORROW MATERIAL. NOTE: THIS IS DESIGNERS CHOICE, CAN BE BACKFILLED WITH BORROW, OR CUT AS WELL.

(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL

5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(6) EXPANDED FILL FACTOR = 1.30

EXPANDED FILL = UNEXPANDED FILL * FILL FACTOR

(7) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

(8) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

REMOVALS

CATEGORY	STATION	TO	STATION	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0100 REMOVING CONCRETE PAVEMENT SY	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0150 REMOVING CURB & GUTTER LF	204.0155 REMOVING CONCRETE SIDEWALK SY	204.0220 REMOVING INLETS EACH	204.0245.01 REMOVING STORM SEWER (SIZE) (01. 12 INCH) LF	204.0245.02 REMOVING STORM SEWER (SIZE) (02. 15 INCH) LF	204.0245.03 REMOVING STORM SEWER (SIZE) (03. 18 INCH) LF	204.0245.04 REMOVING STORM SEWER (SIZE) (04. 24 INCH) LF	REMARKS
0010	348+30	-	356+80	CTH B NB	1	-	-	1,595	85	2	21	-	47	-	
0010	356+80	-	370+20	CTH B NB	-	-	-	2,822	46	4	53	-	114	-	
0010	370+20	-	377+75	CTH B NB	-	-	-	1,371	72	2	9	220	66	-	
0010	377+75	-	400+00	CTH B NB	-	1,003	-	4,273	164	7	122	30	101	-	
0010	400+00	-	410+00	CTH B NB	-	6,951	-	264	162	8	197	-	250	-	
0010	10+68	-	11+39	578TH AVENUE	-	-	34	188	-	-	-	-	-	-	
0010	10+71	-	11+45	WALTON AVE	-	-	38	214	-	-	-	-	-	-	
0010	12+63	-	13+10	DISTRIBUTION CENTER DRIVE	-	-	-	204	-	-	-	-	-	-	
0010	14+49	-	15+75	3M DRIVE	-	-	45	128	-	3	46	-	25	132	
0010		-		STAGE 1A TRAFFIC CONTROL	-	-	679	104	-	-	-	-	-	-	FOR TEMPORARY PAVEMENT
0010		-		STAGE 1B TRAFFIC CONTROL	-	-	-	169	31	-	-	-	-	-	FOR TEMPORARY PAVEMENT
0010		-		STAGE 2 TRAFFIC CONTROL	-	-	-	166	-	-	-	-	-	-	FOR TEMPORARY PAVEMENT
0010		-		STAGE 3 TRAFFIC CONTROL	-	-	789	335	-	-	-	-	-	-	FOR TEMPORARY PAVEMENT
0010		-		STAGE 4 TRAFFIC CONTROL	-	-	1,072	-	-	-	-	-	-	-	FOR TEMPORARY PAVEMENT
				TOTAL 0010	1	7,954	2,657	11,833	560	26	448	250	603	132	

PREPARE FOUNDATION

CATEGORY	STATION	TO	STATION	LOCATION	211.0101.01 PREPARE FOUNDATION FOR ASPHALTIC PAVING (PROJECT) (01. 7996-00-43) EACH	211.0400 PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS STA	REMARKS
0010	392+00 LT	-	396+00 LT	CTH B SB	-	4	STAGE 1A TEMPORARY SHOULDER PAVING
0010	400+77 LT	-	408+38 LT	CTH B SB	-	8	STAGE 1A TEMPORARY SHOULDER PAVING
0010	10+68	-	10+78	578TH AVENUE	-	-	
0010	10+70	-	10+80	WALTON AVE	-	-	
0010	14+49	-	14+59	3M DRIVE	-	-	
				TOTAL 0010	1	12	

PAVEMENT ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	415.0090 CONCRETE PAVEMENT 9-INCH SY	415.0100 CONCRETE PAVEMENT 10-INCH SY	415.0210 CONCRETE PAVEMENT GAPS EACH	415.1090 CONCRETE PAVEMENT HES 9-INCH SY	415.1100 CONCRETE PAVEMENT HES 10-INCH SY	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH	455.0605 TACK COAT GAL	460.5244 HMA PAVEMENT 4 LT 58-34 S TON	465.0105 ASPHALTIC SURFACE TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	465.0310 ASPHALTIC CURB LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0555 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A LF	602.0405 CONCRETE SIDEWALK 4-INCH SF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF	624.0100 WATER MGAL	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
0010	348+30	-	356+80	CTH B NB	235	3,849	5,856	-	-	343	-	-	30	-	191	-	-	-	-	1,659	1,098	30	38	81	-
0010	356+80	-	370+20	CTH B NB	319	5,591	8,500	-	-	724	-	-	-	-	191	-	-	-	-	2,863	673	70	56	-	-
0010	370+20	-	377+75	CTH B NB	171	3,422	902	3,765	-	382	375	-	-	-	174	-	-	-	-	1,290	650	70	34	-	-
0010	377+75	-	400+00	CTH B NB	603	10,112	-	14,889	-	-	614	-	-	-	489	-	-	-	-	4,835	1,267	140	101	-	-
0010	400+00	-	410+00	CTH B NB	240	4,270	-	8,076	-	-	666	-	30	-	143	-	-	-	-	2,065	957	101	43	73	-
0010	10+68	-	11+39	578TH AVENUE	-	121	-	-	2	367	-	-	-	2	-	8	-	-	-	-	-	-	1	29	-
0010	10+71	-	11+45	WALTON AVE	-	135	-	-	2	430	-	-	-	2	-	9	-	-	-	-	-	-	1	34	-
0010	12+63	-	13+10	DISTRIBUTION CENTER DR	-	168	-	-	2	-	531	-	-	-	-	-	-	-	-	-	-	-	2	56	-
0010	14+49	-	15+75	3M DRIVE	-	237	-	-	1	-	749	-	-	3	-	10	-	-	-	-	-	-	2	40	-
0010	10+36	-	12+75	610TH AVENUE	52	322	-	-	1	-	410	-	-	31	136	-	-	-	-	-	-	-	3	22	-
0010				STAGE 1A TRAFFIC CONTROL	-	664	-	-	-	-	-	-	-	75	-	-	357	-	-	-	-	-	7	172	86
0010				STAGE 1B TRAFFIC CONTROL	-	596	-	-	-	-	-	-	-	67	-	-	320	-	306	-	-	-	6	88	2,027
0010				STAGE 2 TRAFFIC CONTROL	-	-	-	-	-	-	-	-	-	6	-	-	28	45	-	-	-	-	-		166
0010				STAGE 3 TRAFFIC CONTROL	-	-	-	-	-	-	-	-	-	3	-	-	11	-	127	-	-	-	-	184	-
0010				STAGE 4 TRAFFIC CONTROL	-	-	-	114	-	-	-	252	-	-	-	-	-	-	98	509	170	95	-	258	1,432
				TOTAL 0010	1,620	29,487	15,258	26,844	8	2,246	3,345	252	60	189	1,324	27	716	45	531	13,221	4,815	506	294	1,037	3,711

CULVERT PIPES

CATEGORY	STATION	LOCATION	521.6118 CULVERT PIPE CORRUGATED STEEL ALUMINUM COATED 18-INCH LF	522.0424 CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	525.0318 APRON ENDWALLS FOR CULVERT PIPE ALUMINUM 18-INCH EACH	633.5200 MARKERS CULVERT END EACH	REMARKS
0010	352+50, LT	CTH B NB	38	-	-	2	-	FIELD ENTRANCE
0010	374+97, LT	CTH B NB	-	-	-	-	1	EXISTING TRIPLE CULVERTS TO REMAIN INPLACE
0010	375+08, RT	CTH B NB	-	-	-	-	1	EXISTING TRIPLE CULVERTS TO REMAIN INPLACE
0010	393+21, LT & RT	CTH B NB	-	4	1	-	2	EXISTING CULVERT TO REMAIN INPLACE
		TOTAL 0010	38	4	1	2	4	

STORM SEWER PIPE

CATEGORY	FROM	-	TO	LOCATION	520.8000 CONCRETE COLLARS FOR PIPE EACH	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
0010	103	-	102	CTH B NB	-	-	-	40	-	-	-	891.35	891.15	0.005
0010	102	-	101	CTH B NB	-	-	-	19	-	-	-	891.15	891.06	0.005
0010	101	-	A-100	CTH B NB	-	-	-	-	-	46	-	890.56	890.35	0.005
0010	202	-	201	CTH B NB	-	21	-	-	-	-	-	891.08	890.97	0.005
0010	201	-	A-200	CTH B NB	-	-	66	-	-	-	-	890.47	890.14	0.005
0010	302	-	301	CTH B NB	-	21	-	-	-	-	-	889.66	889.56	0.005
0010	301	-	A-300	CTH B NB	-	-	-	-	-	46	-	889.06	888.72	0.008
0010	402	-	401	CTH B NB	-	13	-	-	-	-	-	886.78	886.71	0.005
0010	401	-	A-400	CTH B NB	-	-	50	-	-	-	-	886.21	885.98	0.005
0010	502	-	501	CTH B NB	-	5	-	-	-	-	-	884.22	884.19	0.005
0010	501	-	A-500	CTH B NB	-	-	51	-	-	-	-	883.69	883.44	0.005
0010	602	-	601	CTH B NB	-	21	-	-	-	-	-	882.00	881.90	0.005
0010	601	-	A-600	CTH B NB	-	-	-	-	47	-	-	881.61	881.40	0.005
0010	703	-	702	CTH B NB	-	20	-	-	-	-	-	878.60	878.50	0.005
0010	702	-	701	CTH B NB	-	6	-	-	-	-	-	878.50	878.47	0.005
0010	701	-	700	CTH B NB	-	-	-	-	-	67	-	877.97	877.48	0.007
0010	700	-	708	CTH B NB	-	-	21	-	-	-	-	877.25	877.19	0.003
0010	708	-	EXISTING PIPE	CTH B NB	1	-	4	-	-	-	-	877.19	FIELD VERIFY	
0010	707	-	706	CTH B NB	-	49	-	-	-	-	-	882.34	879.92	0.050
0010	706	-	704	CTH B NB	-	-	240	-	-	-	-	879.42	878.22	0.005
0010	704	-	701	CTH B NB	-	-	50	-	-	-	-	878.22	877.97	0.005
0010	705	-	704	CTH B NB	-	6	-	-	-	-	-	878.53	878.50	0.005
0010	802	-	801	CTH B NB	-	22	-	-	-	-	-	893.05	892.94	0.005
0010	801	-	A-800	CTH B NB	-	-	-	-	-	42	-	892.44	892.21	0.006
0010	904	-	901	CTH B NB	-	50	-	-	-	-	-	895.35	895.10	0.005
0010	905	-	901	CTH B NB	-	50	-	-	-	-	-	895.35	895.10	0.005
0010	901	-	902	CTH B NB	-	25	-	-	-	-	-	895.10	894.97	0.005
0010	902	-	900	CTH B NB	-	-	41	-	-	-	-	894.47	894.27	0.005
0010	903	-	902	CTH B NB	-	50	-	-	-	-	-	895.22	894.97	0.005
0010	1004	-	1003	CTH B NB	-	-	-	63	-	-	-	899.44	899.12	0.005
0010	1003	-	1002	CTH B NB	-	-	-	94	-	-	-	899.12	898.84	0.003
0010	1002	-	1001	CTH B NB	-	-	-	12	-	-	-	898.84	898.79	0.004
0010	1001	-	A-1000	CTH B NB	-	-	-	-	-	38	-	898.29	898.17	0.003
0010	1103	-	1102	CTH B NB	-	-	-	50	-	-	-	903.54	903.39	0.003
0010	1102	-	1101	CTH B NB	-	-	-	7	-	-	-	903.39	903.37	0.004
0010	1102	-	A-1100	CTH B NB	-	-	-	-	-	45	-	902.87	902.72	0.004
0010	1202	-	1201	CTH B NB	-	19	-	-	-	-	-	906.60	906.22	0.020
0010	1201	-	A-1200	CTH B NB	-	-	54	-	-	-	-	905.72	903.02	0.050
0010	1302	-	1301	CTH B NB	-	12	-	-	-	-	-	914.58	914.05	0.020
0010	1301	-	1702	CTH B NB	-	-	242	-	8	-	-	913.55	909.27	0.017
0010	1402	-	1401	3M DRIVE	-	-	-	-	-	51	-	900.57	900.39	0.004
0010	1401	-	A-1400	3M DRIVE	-	-	-	-	-	24	-	900.39	900.31	0.003
0010	1602	-	1601	CTH B NB	-	-	-	23	-	-	-	895.70	895.58	0.005
0010	1601	-	A-1600	CTH B NB	-	-	-	40	-	-	-	895.58	895.38	0.005
0010	1702	-	1701	CTH B NB	-	-	27	-	-	-	-	909.27	909.00	0.010
0010	1701	-	A-1700	CTH B NB	-	-	60	-	-	-	-	909.00	906.50	0.042
0010	A-1800	-	EXISTING PIPE	CTH B NB	-	-	-	-	-	-	8	882.44	882.38	0.008
				TOTAL 0010	1	390	906	348	55	359	8			

STORM SEWER STRUCTURES

CATEGORY	STRUCTURE	STATION	OFFSET*	LOCATION	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	524.0624 APRON ENDWALLS FOR CULVERT PIPE SALVAGED 24-INCH EACH	611.0627 INLET COVERS TYPE HM EACH	611.0636 INLET COVERS TYPE HM-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	RIM** ELEVATION	INVERT ELEVATION	DEPTH*** (FT)
0010	A-100	351+50	66.0' LT	CTH B NB	-	-	1	-	-	-	-	-	-	-	1	-	-	-
0010	101	351+50	19.7' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	893.80	890.56	2.40
0010	102	351+50	1.4' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	893.65	891.15	1.66
0010	103	351+90	1.4' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	893.85	891.35	1.66
0010	A-200	360+46	70.3' LT	CTH B NB	-	-	1	-	-	-	-	-	-	-	1	-	-	-
0010	201	360+00	22.4' LT	CTH B NB	-	-	-	-	1	-	-	1	-	-	1	893.91	890.47	2.60
0010	202	360+00	1.3' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	893.93	891.08	2.01
0010	A-300	363+00	68.2' LT	CTH B NB	-	-	1	-	-	-	-	-	-	-	1	-	-	-
0010	301	363+00	22.4' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	892.42	889.06	2.53
0010	302	363+00	1.4' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	892.43	889.66	1.94
0010	A-400	366+50	72.4' LT	CTH B NB	-	-	1	-	-	-	-	-	-	-	1	-	-	-
0010	401	366+50	22.4' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	890.67	886.21	3.63
0010	402	366+50	9.2' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	890.52	886.78	2.91
0010	A-500	369+40	74.6' LT	CTH B NB	-	-	1	-	-	-	-	-	-	-	1	-	-	-
0010	501	369+57	22.4' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	888.60	883.69	4.08
0010	502	369+56	17.2' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	888.45	884.22	3.40
0010	A-600	372+93	66.3' LT	CTH B NB	-	1	-	-	-	-	-	-	-	-	1	-	-	-
0010	601	372+80	21.8' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	884.68	881.61	2.24
0010	602	372+80	1.4' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	884.68	882.00	1.85
0010	700	375+34	88.4' LT	CTH B NB	-	-	-	-	-	-	1	-	-	1	1	880.31	877.25	2.23
0010	701	375+34	21.1' LT	CTH B NB	-	-	-	-	-	1	-	1	-	-	1	882.87	877.97	4.07
0010	702	375+34	15.3' LT	CTH B NB	-	-	-	-	-	1	-	-	1	-	1	882.60	878.50	3.27
0010	703	375+14	15.5' LT	CTH B NB	-	-	-	-	-	1	-	-	1	-	1	882.60	878.60	3.17
0010	704	375+84	21.1' LT	CTH B NB	-	-	-	-	-	1	-	-	1	-	1	882.92	878.22	3.87
0010	705	375+84	15.0' LT	CTH B NB	-	-	-	-	-	1	-	-	1	-	1	882.67	878.53	3.31
0010	706	378+24	21.8' LT	CTH B NB	-	-	-	-	1	-	-	1	-	-	1	885.23	879.42	4.98
0010	707	378+68	1.4' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	886.02	882.34	2.85
0010	708	375+56	88.1' LT	CTH B NB	-	-	-	-	-	-	1	-	-	1	1	879.91	877.19	1.89
0010	A-800	383+55	70.0' LT	CTH B NB	-	-	1	-	-	-	-	-	-	-	1	-	-	-
0010	801	383+55	23.8' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	896.08	892.44	2.81
0010	802	383+55	1.4' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	896.10	893.05	2.22
0010	A-900	394+36	71.4' LT	CTH B NB	-	-	1	-	-	-	-	-	-	-	1	-	-	-
0010	901	394+36	1.4' LT	CTH B NB	-	-	-	-	-	1	-	-	1	-	1	898.03	895.10	2.10
0010	902	394+36	26.6' LT	CTH B NB	-	-	-	-	-	1	-	-	1	-	1	898.02	894.47	2.72
0010	903	393+86	26.4' LT	CTH B NB	-	-	-	-	-	1	-	-	1	-	1	898.09	895.22	2.04
0010	904	393+86	1.4' LT	CTH B NB	-	-	-	-	-	1	-	-	1	-	1	898.11	895.35	1.93
0010	905	394+86	1.4' LT	CTH B NB	-	-	-	-	-	1	-	-	1	-	1	898.10	895.35	1.92
0010	A-1000	397+77	75.8' LT	CTH B NB	-	-	1	-	-	-	-	-	-	-	1	-	-	-
0010	1001	397+77	34.0' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	901.45	898.29	2.33
0010	1002	397+77	21.7' LT	CTH B NB	-	-	-	-	1	-	-	1	-	-	1	901.04	898.84	1.37
0010	1003	398+69	1.3' LT	CTH B NB	-	-	-	-	1	-	-	1	-	-	1	903.00	899.12	3.05
0010	1004	399+27	28.3' LT	CTH B NB	-	-	-	-	1	-	-	1	-	-	1	903.64	899.44	3.37
0010	A-1100	400+85	43.6' LT	CTH B NB	-	-	1	-	-	-	-	-	-	-	1	-	-	-
0010	1101	400+85	1.3' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	906.67	902.87	2.97
0010	1102	400+85	8.3' LT	CTH B NB	-	-	-	-	1	-	-	1	-	-	1	906.33	903.39	2.11
0010	1103	400+43	35.5' LT	CTH B NB	-	-	-	-	1	-	-	1	-	-	1	905.98	903.54	1.61
0010	A-1200	403+20	52.8' RT	CTH B NB	-	-	1	-	-	-	-	-	-	-	1	-	-	-
0010	1201	403+20	1.4' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	910.66	905.72	4.11
0010	1202	403+20	20.5' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	910.48	906.60	3.05
0010	1301	408+10	28.1' LT	CTH B NB	-	-	-	-	1	-	-	1	-	-	1	919.08	910.40	8.02
0010	1302	408+10	1.4' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	918.99	914.58	3.58
0010	A-1400	15+21	50.2' RT	3M DRIVE	-	-	1	-	-	-	-	-	-	-	1	-	-	-
0010	1401	15+09	29.1' RT	3M DRIVE	-	-	-	-	-	1	-	-	1	-	1	904.19	900.39	2.97
0010	1402	15+08	22.3' LT	3M DRIVE	-	-	-	-	-	1	-	-	1	-	1	904.27	900.57	2.87
0010	A-1600	386+55	68.7' LT	CTH B NB	1	-	-	-	-	-	-	-	-	-	1	-	-	-
0010	1601	386+55	24.6' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	898.31	895.58	1.90
0010	1602	386+55	1.4' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	898.33	895.70	1.80
0010	A-1700	405+60	58.7' RT	CTH B NB	-	-	1	-	-	-	-	-	-	-	1	-	-	-
0010	1701	405+60	1.4' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	914.74	909.00	4.91
0010	1702	405+60	28.0' LT	CTH B NB	-	-	-	-	1	-	-	-	1	-	1	914.81	909.27	4.71
0010	A-1800	369+50	80.8' LT	CTH B NB	-	-	-	1	-	-	-	-	-	-	1	-	-	-
				TOTAL 0010	1	1	12	1	32	12	2	9	35	2	61			

*STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

**RIM ELEVATION IS AT THE INLET COVER FLANGE LOCATION

***DEPTH = RIM ELEVATION - INVERT ELEVATION - CASTING HEIGHT - ADJUSTING RINGS (4")

3

UTILITY ADJUSTMENTS

CATEGORY	STATION	OFFSET	LOCATION	611.8110 ADJUSTING MANHOLE COVERS EACH	SPV.0060.10 SPECIAL (10. ADJUSTING WATER VALVE BOX) EACH	REMARKS
0020	373+40	54.4' LT	CTH B NB	1	-	FOR EXISTING SANITARY MANHOLE
0020	377+34	48.8' LT	CTH B NB	1	-	FOR EXISTING SANITARY MANHOLE
0020	381+00	51.9' LT	CTH B NB	1	-	FOR EXISTING SANITARY MANHOLE
0020	384+40	49.4' LT	CTH B NB	1	-	FOR EXISTING SANITARY MANHOLE
0020	387+72	51.2' LT	CTH B NB	1	-	FOR EXISTING SANITARY MANHOLE
0020	391+13	51.1' LT	CTH B NB	1	-	FOR EXISTING SANITARY MANHOLE
0020	394+45	51.5' LT	CTH B NB	1	-	FOR EXISTING SANITARY MANHOLE
0020	397+30	54.4' LT	CTH B NB	1	-	FOR EXISTING SANITARY MANHOLE
0020	400+06	19.6' LT	CTH B NB	1		FOR EXISTING SANITARY MANHOLE
0020	11+07	2.7' LT	WALTON AVE	1	-	FOR EXISTING SANITARY MANHOLE
0020	15+27	47' RT	3M DRIVE	-	1	
0020	15+34	45' RT	3M DRIVE	-	1	
			TOTAL 0020	10	2	

TEMPORARY DRAINAGE

CATEGORY	STATION	LOCATION	611.0651 INLET COVERS TYPE S EACH	611.8120.S COVER PLATES TEMPORARY EACH	611.9710 SALVAGED INLET COVERS EACH
0010	STA 348+03, 1' LT	STAGE 1B	1	-	1
0010	STA 348+03, 5' LT	STAGE 1B	-	1	1
		TOTAL 0010	1	1	2

3

EROSION CONTROL AND RESTORATION ITEMS

CATEGORY	STATION TO STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.2004 EROSION MAT CLASS I TYPE B SY	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0130 SEEDING MIXTURE NO. 30 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL	645.0120 GEOTEXTILE TYPE HR SY	REMARKS
0010	348+30 - 356+80	CTH B NB	4	2,531	2,453	757	757	78	5	5	50	1	1.6	55	9	-	29	12	
0010	356+80 - 370+20	CTH B NB	19	4,945	4,857	1,602	1,602	88	8	8	40	-	3.1	85	33	-	56	56	
0010	370+20 - 377+75	CTH B NB	3	2,747	2,747	770	770	-	8	7	10	3	1.7	57	12	-	31	11	
0010	377+75 - 400+00	CTH B NB	19	10,282	9,729	1,528	1,528	552	14	14	110	1	6.5	162	78	-	116	57	
0010	400+00 - 410+00	CTH B NB	12	4,556	4,556	1,758	1,758	-	9	9	-	-	2.9	70	36	-	52	36	
0010	10+68 - 11+39	578TH AVENUE	-	114	114	131	131	-	-	-	-	-	0.1	4	-	-	2	-	
0010	10+71 - 11+45	WALTON AVE	-	112	112	-	-	-	-	-	-	1	0.1	4	-	-	2	-	
0010	12+63 - 13+10	DISTRIBUTION CENTER DR	-	128	128	-	-	-	-	-	-	-	0.1	4	-	-	2	-	
0010	14+49 - 15+75	3M DRIVE	-	321	321	122	122	-	2	2	-	-	0.2	9	-	-	4	-	
0010	10+36 - 12+75	610TH AVENUE	-	1,080	1,080	173	173	-	-	-	10	-	0.7	30	-	-	13	-	
0010		STAGE 1A TRAFFIC CONTROL	-	658	658	181	181	-	-	-	-	-	0.4	-	-	18	-	-	TEMP. RESTORATION
0010		STAGE 2 TRAFFIC CONTROL	-	269	269	425	425	-	-	-	-	-	0.2	-	-	8	-	-	TEMP. RESTORATION
	UNDISTRIBUTED (25%)		14	6,704	6,524	1,710	1,710	180	12	11	55	2	4.3	120	42	1	77	43	
		TOTAL 0010	71	34,447	33,548	9,157	9,157	898	58	56	275	8	22	600	210	27	384	215	

EROSION CONTROL MOBILIZATIONS

CATEGORY	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	PROJECT	7	6
	TOTAL 0010	7	6

PERMANENT SIGNING - SHEET 1

CATEGORY	STATION	LOCATION	SIGN #	SIGN CODE	SIZE IN X IN	DESCRIPTION	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	634.0622 POSTS WOOD 4X6-INCH X 22-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	MOUNTED ON SAME POST AS SIGN #	MOUNTED ON A SIGNAL POST
0010	349+14"NB'	RT	1-01	J4-2	72 X 54	REASSURANCE ASSEMBLY	-	-	1	-	-	27.00	-	-	2	1	-	-
0010	351+29"NB'	RT	1-02	R2-1	36 X 48	SPEED LIMIT	-	1	-	-	-	12.00	-	-	1	1	-	-
0010	352+00"NB'	MEDIAN	1-03	R3-20L	36 X 54	BEGIN LEFT TURN LANE WITH DOWN RIGHT ARROW	-	1	-	-	-	13.50	-	-	-	-	-	-
0010	354+12"NB'	RT	1-04	R5-1A	42 X 30	WRONG WAY	1	-	-	-	-	8.75	-	-	1	1	-	-
0010	355+85"NB'	RT	1-05	R5-1	36 X 36	DO NOT ENTER	1	-	-	-	-	9.00	-	-	1	1	-	-
0010	356+87"NB'	RT	1-06	R6-2L	36 X 48	ONE WAY LEFT ARROW	-	1	-	-	-	12.00	-	-	1	1	-	-
0010	357+64"NB'	MEDIAN	1-07	R4-7	36 X 48	KEEP RIGHT	-	1	-	-	-	12.00	-	-	1	1	-	-
0010	359+06"NB'	RT	1-08	R2-1	36 X 48	SPEED LIMIT	-	1	-	-	-	12.00	-	-	1	1	-	-
0010	348+90"SB'	LT	1-09	R5-1A	42 X 30	WRONG WAY	-	-	-	-	-	8.75	-	-	-	-	1-10	-
0010	348+90"SB'	LT	1-10	J2-4	144 X 84	ROUTE TURN ASSEMBLY	-	-	-	2	-	84.00	-	-	2	2	-	-
0010	350+95"SB'	LT	1-11	J33-2	72 X 102	TRAILBLAZER DIRECTIONAL WITH CARDINAL	-	-	-	2	-	51.00	-	-	1	1	-	-
0010	351+89"SB'	MEDIAN	1-12	R3-20L	36 X 54	BEGIN LEFT TURN LANE WITH DOWN RIGHT ARROW	-	1	-	-	-	13.50	-	-	-	-	-	-
0010	353+60"SB'	MEDIAN	1-13	W3-3	36 X 36	SIGNAL AHEAD	-	1	-	-	-	-	-	9.00	1	1	-	-
0010	353+60"SB'	LT	1-14	W3-3	36 X 36	SIGNAL AHEAD	1	-	-	-	-	-	-	9.00	1	1	-	-
0010	355+78"SB'	LT	1-15	J1-3	72 X 39	JUNCTION OR END ASSEMBLY	-	2	-	-	-	19.50	-	-	1	2	-	-
0010	11+03"A"	RT	1-16	R1-1	30 X 30	STOP	1	-	-	-	-	5.18	-	-	1	1	-	-
0010	11+03"A"	RT	1-17	R6-3	30 X 24	DIVIDED HIGHWAY CROSSING SIGN AND INTERSECTION	-	-	-	-	-	5.00	-	-	1	-	1-18	-
0010	357+59"SB'	LT	1-18	R5-1	36 X 36	DO NOT ENTER	1	-	-	-	-	9.00	-	-	1	1	-	-
0010	359+60"SB'	LT	1-19	R5-1A	42 X 30	WRONG WAY	1	-	-	-	-	8.75	-	-	1	1	-	-
0010	365+44"NB'	MEDIAN	2-01	R3-20L	36 X 54	BEGIN LEFT TURN LANE WITH DOWN RIGHT ARROW	-	1	-	-	-	13.50	-	-	-	-	-	-
0010	367+02"NB'	RT	2-02	R5-1A	42 X 30	WRONG WAY	1	-	-	-	-	8.75	-	-	1	1	-	-
0010	368+98"NB'	RT	2-03	R5-1	36 X 36	DO NOT ENTER	1	-	-	-	-	9.00	-	-	1	1	-	-
0010	370+18"NB'	RT	2-04	R6-2L	36 X 48	ONE WAY LEFT ARROW	-	1	-	-	-	12.00	-	-	1	1	-	-
0010	370+95"NB'	MEDIAN	2-05	R4-7	36 X 48	KEEP RIGHT	-	1	-	-	-	12.00	-	-	1	1	-	-
0010	372+99"NB'	MEDIAN	2-06	R3-20L	24 X 36	BEGIN LEFT TURN LANE WITH DOWN RIGHT ARROW	-	1	-	-	-	6.00	-	-	-	-	-	-
0010	374+61"NB'	RT	2-07	R5-1A	42 X 30	WRONG WAY	1	-	-	-	-	8.75	-	-	1	1	-	-
0010	11+04"WN'	RT	2-08	R1-1	30 X 30	STOP	1	-	-	-	-	5.18	-	-	1	1	-	-
0010	11+04"WN'	RT	2-09	R6-3	30 X 24	DIVIDED HIGHWAY CROSSING SIGN AND INTERSECTION	-	-	-	-	-	5.00	-	-	1	-	2-08	-
0010	371+14"SB'	LT	2-10	R5-1	36 X 36	DO NOT ENTER	-	1	-	-	-	9.00	-	-	1	1	-	-
0010	373+11"SB'	LT	2-11	R5-1A	42 X 30	WRONG WAY	1	-	-	-	-	8.75	-	-	1	1	-	-
0010	375+35"SB'	LT	2-12	R2-1	36 X 48	SPEED LIMIT	-	1	-	-	-	12.00	-	-	1	1	-	-
0010	376+54"NB'	RT	3-01	R5-1	36 X 36	DO NOT ENTER	1	-	-	-	-	9.00	-	-	1	-	-	-
0010	377+72"NB'	RT	3-02	R6-2L	36 X 48	ONE WAY LEFT ARROW	-	1	-	-	-	12.00	-	-	1	1	-	-
0010	378+55"NB'	MEDIAN	3-03	R4-7	36 X 48	KEEP RIGHT	-	1	-	-	-	12.00	-	-	1	1	-	-
0010	379+25"NB'	RT	3-04	R2-1	36 X 48	SPEED LIMIT	-	1	-	-	-	12.00	-	-	1	1	-	-
						SHEET 1 SUBTOTAL 0010	12	18	1	4	0	465.86	0.00	18.00	32	29		

PERMANENT SIGNING - SHEET 2

CATEGORY	STATION	LOCATION	SIGN #	SIGN CODE	SIZE IN X IN	DESCRIPTION	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	634.0622 POSTS WOOD 4X6-INCH X 22-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	MOUNTED ON SAME POST AS SIGN #	MOUNTED ON A SIGNAL POST
0010	12+60"DC"	RT	3-05	R1-1	30 X 30	STOP	1	-	-	-	-	5.18	-	-	2	1	-	-
0010	12+60"DC"	RT	3-06	R6-3	30 X 24	DIVIDED HIGHWAY CROSSING SIGN AND INTERSECTION	-	-	-	-	-	5.00	-	-	1	-	3-05	-
0010	379+13"SB'	LT	3-07	R5-1	36 X 36	DO NOT ENTER	1	-	-	-	-	9.00	-	-	1	1	-	-
0010	381+22"SB'	LT	3-08	R5-1A	42 X 30	WRONG WAY	-	1	-	-	-	8.75	-	-	1	1	-	-
0010	391+80"NB'	RT	4-01	W3-3	36 X 36	SIGNAL AHEAD	1	-	-	-	-	-	-	9.00	1	1	-	-
0010	391+80"NB'	MEDIAN	4-02	W3-3	36 X 36	SIGNAL AHEAD	-	1	-	-	-	-	-	9.00	1	-	-	-
0010	395+28"NB'	MEDIAN	4-03	R3-20L	36 X 54	BEGIN LEFT TURN LANE WITH DOWN RIGHT ARROW	-	1	-	-	-	14.00	-	-	-	-	-	-
0010	396+54"NB'	RT	4-04	R5-1A	42 X 30	WRONG WAY	-	-	-	-	-	9.00	-	-	1	-	4-04	-
0010	398+28"NB'	RT	4-05	J1-1	36 X 57	JUNCTION OR END ASSEMBLY	-	1	-	-	-	14.00	-	-	2	-	-	-
0010	399+42"NB'	RT	4-06	R1-1F	36 X 36	STOP (FOLDING)	-	-	-	-	-	-	7.46	-	1	-	-	X
0010	399+42"NB'	RT	4-07	R5-1	36 X 36	DO NOT ENTER	-	-	-	-	-	9.00	-	-	1	-	4-07	X
0010	399+66"NB'	MEDIAN	4-08	R1-1F	36 X 36	STOP (FOLDING)	-	-	-	-	-	-	7.46	-	1	-	-	X
0010	399+66"NB'	MEDIAN	4-09	R5-1	36 X 36	DO NOT ENTER	-	-	-	-	-	9.00	-	-	1	-	4-09	X
0010	10+58"C"	LT	4-10	R1-1F	30 X 30	STOP (FOLDING)	-	-	-	-	-	-	5.18	-	1	-	-	X
0010	10+58"C"	LT	4-11	R6-3	30 X 24	DIVIDED HIGHWAY CROSSING SIGN AND INTERSECTION	-	-	-	-	-	5.00	-	-	1	-	4-11	X
0010	400+73"NB'	MEDIAN	4-12	R4-7	36 X 48	KEEP RIGHT	-	-	-	-	-	12.00	-	-	1	-	-	X
0010	401+71"NB'	RT	4-13	R2-1	36 X 48	SPEED LIMIT	-	1	-	-	-	12.00	-	-	1	1	-	-
0010	403+71"NB'	RT	4-14	J33-2	72 X 102	TRAILBLAZER DIRECTIONAL WITH CARDINAL	-	-	-	-	1	51.00	-	-	1	1	-	-
0010	396+48"SB'	LT	4-15	R2-1	36 X 48	SPEED LIMIT	-	1	-	-	-	12.00	-	-	1	1	-	-
0010	398+34"SB'	LT	4-16	J4-2	72 X 54	REASSURANCE ASSEMBLY	-	-	1	-	-	27.00	-	-	2	1	-	-
0010	399+36"SB'	MEDIAN	4-17	R4-7	36 X 48	KEEP RIGHT	-	-	-	-	-	12.00	-	-	1	-	-	X
0010	15+54"B"	RT	4-18	R1-1F	30 X 30	STOP (FOLDING)	-	-	-	-	-	-	5.18	-	1	-	-	X
0010	15+54"B"	RT	4-19	R6-3	30 X 24	DIVIDED HIGHWAY CROSSING SIGN AND INTERSECTION	-	-	-	-	-	5.00	-	-	1	-	4-19	X
0010	400+50"SB'	MEDIAN	4-20	R5-1	36 X 36	DO NOT ENTER	-	-	-	-	-	9.00	-	-	1	-	-	X
0010	400+50"SB'	MEDIAN	4-21	R1-1F	36 X 36	STOP (FOLDING)	-	-	-	-	-	-	7.46	-	1	-	4-21	X
0010	400+70"SB'	LT	4-22	R5-1	36 X 36	DO NOT ENTER	-	-	-	-	-	9.00	-	-	1	-	-	X
0010	400+70"SB'	LT	4-23	R1-1F	36 X 36	STOP (FOLDING)	-	-	-	-	-	-	7.46	-	1	-	4-23	X
0010	401+42"SB'	LT	4-24	I5-1	24 X 24	AIRPORT SYMBOL	1	-	-	-	-	4.00	-	-	1	-	-	-
0010	401+42"SB'	LT	4-25	MK6-1	21 X 21	ARROW -LEFT/RIGHT/AHEAD - KETTLE MORAINE	-	-	-	-	-	3.06	-	-	1	-	4-25	-
0010	404+59"SB'	MEDIAN	4-26	R3-20L	36 X 54	BEGIN LEFT TURN LANE WITH DOWN RIGHT ARROW	-	1	-	-	-	13.50	-	-	-	-	-	-
0010	407+80"NB'	RT	5-01	R5-1A	42 X 30	WRONG WAY	1	-	-	-	-	8.75	-	-	1	1	-	-
0010	409+96"NB'	RT	5-02	J3-1	36 X 84	DIRECTIONAL ASSEMBLY	-	-	-	1	-	21.00	-	-	1	1	-	-
0010	409+96"NB'	RT	5-03	R5-1	36 X 36	DO NOT ENTER	-	-	-	-	-	9.00	-	-	1	-	5-02	-
0010	404+94"SB'	LT	5-04	R5-1A	42 X 30	WRONG WAY	-	-	-	-	-	8.75	-	-	1	1	5-05	-
0010	404+94"SB'	LT	5-05	R2-1	36 X 48	SPEED LIMIT	-	1	-	-	-	12.00	-	-	1	-	-	-
0010	406+94"SB'	LT	5-06	W3-3	36 X 36	SIGNAL AHEAD	1	-	-	-	-	-	-	9.00	1	1	-	-
0010	406+94"SB'	MEDIAN	5-07	W3-3	36 X 36	SIGNAL AHEAD	-	1	-	-	-	-	-	9.00	-	-	-	-
						SHEET 2 SUBTOTAL 0010	18	29	2	5	1	806.85	40.20	54.00	71	43		
						TOTAL 0010	30	47	3	9	1	1273.00	40.00	72.00	103	72		

3

MOVING SIGNS

CATEGORY	STATION	LOCATION	MOUNT	DESCRIPTION	638.2102 MOVING SIGNS TYPE II EACH	REMARKS
0010	352+20'SB'	LT	WOOD POST	D1-2	1	MENOMONIE [RT], CHIPPEWA FALLS [LT]
0010	352+20'SB'	LT	WOOD POST	M1-85	1	WISCONSIN HERITAGE TRAIL SIGN
0010	396+54"NB"	RT	WOOD POST	D1-1	1	RUSK [RT]
		TOTAL 0010			3	
0020	11+22'A'	RT	STEEL POST	LOCAL STREET SIGN	1	COUNTY ROAD B
0020	11+23'WN'	RT	STEEL POST	LOCAL STREET SIGN	1	WALTON AVE
0020	401+05'SB'	LT	LIGHT POLE	LOCAL STREET SIGN	1	3M DR
0020	10+49'C'	LT	STEEL POST	LOCAL STREET SIGN	1	610TH AVE
		TOTAL 0020			4	
		PROJECT TOTAL			7	

3

TRAFFIC CONTROL

CATEGORY	LOCATION	DURATION DAYS	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	603.8500 ANCHORING CONCRETE BARRIER TEMPORARY PRECAST LF	643.0300 TRAFFIC CONTROL DRUMS EACH*	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH*	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH*	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH*	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0800 TRAFFIC CONTROL ARROW BOARDS EACH*	643.0800 TRAFFIC CONTROL ARROW BOARDS DAY	643.0900 TRAFFIC CONTROL SIGNS EACH*	643.0900 TRAFFIC CONTROL SIGNS DAY	643.1050 TRAFFIC CONTROL SIGNS PCMS EACH*	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY
0010	STAGE 1A	21	-	-	-	114	2,394	6	126	-	-	10	210	20	420	2	42	39	819	3	63
0010	STAGE 1B	25	-	-	-	258	6,450	15	375	-	-	14	350	23	575	2	50	46	1,150	3	75
0010	STAGE 2	62	62	62	62	276	17,112	49	3,038	178	178	63	3,906	-	-	-	-	60	3,720	3	186
0010	STAGE 3	61	-	-	-	365	22,265	67	4,087	180	180	76	4,636	35	2,135	-	-	82	5,002	3	183
0010	STAGE 4	31	-	-	-	307	9,517	22	682	-	-	27	837	12	372	1	31	56	1,736	3	93
0010	STA 410+65 RT / IH 94 ON-RAMP**	200	-	-	-	3	-	3	600	-	-	4	800	-	-	-	-	1	200	-	-
0010	UNDISTRIBUTED (10%)	-	-	-	-	-	5774	-	831	-	-	-	994	-	350	-	-	-	1243	-	-
0010	UNDISTRIBUTED (15%)	-	-	-	-	-	-	-	-	54	-	-	-	-	-	-	-	-	-	-	-
	TOTAL 0010		62	62	62		63,512		9,739	412	358		11,733		3,852		123		13,870		600

*FOR INFORMATION ONLY

**BARRICADES AND RAMP CLOSED SIGN FOR WISDOT USE FOR EMERGENCY RAMP CLOSURE.

TEMPORARY PAVEMENT MARKING

CATEGORY	LOCATION	* 643.3105 TEMPORARY MARKING LINE PAINT 4-INCH YELLOW LF	643.3105 TEMPORARY MARKING LINE PAINT 4-INCH WHITE LF	* 643.3150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW LF	643.3150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE LF	643.3205 TEMPORARY MARKING LINE PAINT 8-INCH LF	643.3250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH LF	643.3805 TEMPORARY MARKING STOP LINE PAINT 18-INCH LF	643.3850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9100 MARKING REMOVAL LINE 8-INCH LF
0010	STAGE 1A	-	325	-	-	-	-	40	-	101	-
0010	STAGE 1B	-	-	825	340	160	-	12	-	100	-
0010	STAGE 2	14,690	5,765	1,610	1,480	505	245	55	148	1,721	100
0010	STAGE 3	-	7,825	19,630	5,235	-	1,040	-	333	1,752	100
0010	STAGE 4	-	-	1,125	660	-	-	-	-	-	-
	TOTAL 0010	28,605		30,905		665	1,285	107	481	3,674	200

*4-INCH MARKINGS REQ'D

PERMANENT PAVEMENT MARKING

CATEGORY	STATION	TO	STATION	LOCATION	* 646.2020 MARKING LINE EPOXY 6-INCH LF	* 646.2025 MARKING LINE GROOVED BLACK EPOXY 6-INCH LF	* 646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH LF	646.4020 MARKING LINE EPOXY 10-INCH LF	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH
0010	348+30	-	356+80	CTH B NB	1,576	788	2,424	491	5	2	-	18	1
0010	356+80	-	370+20	CTH B NB	2,399	1,338	3,864	487	4	2	-	70	2
0010	370+20	-	377+75	CTH B NB	1,238	763	2,055	209	2	1	-	74	2
0010	377+75	-	400+00	CTH B NB	4,181	2,150	6,334	717	4	1	53	98	2
0010	400+00	-	410+26	CTH B NB	1,805	913	2,606	875	5	2	115	126	2
0010	410+26	-	419+00	CTH B NB	1,476	788	2,374	236	4	-	100	119	2
0010	10+68	-	11+39	578TH AVENUE	-	-	-	-	-	-	24	-	-
0010	10+71	-	11+45	WALTON AVE	-	-	-	-	-	-	23	-	-
0010	12+63	-	13+10	DISTRIBUTION CENTER DRIVE	-	-	-	-	-	-	26	-	-
0010	14+49	-	15+75	3M DRIVE	656	-	-	202	2	1	36	-	-
0010	10+36	-	12+75	610TH AVENUE	552	-	-	88	2	-	35	-	-
				TOTAL 0010	13,883	6,740	19,657	3,305	28	9	412	505	11

*6-INCH MARKINGS REQ'D

3

STAKING

CATEGORY	STATION	TO	STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	650.8501.01 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT) (01. 7996-00-43) EACH	650.9911.01 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) (01. 7996-00-43) EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
0010	348+30	-	356+80	CTH B NB	1,700	-	1,659	1	1,700	-	-	1,700
0010	356+80	-	370+20	CTH B NB	2,680	-	2,863	-	2,680	-	-	2,680
0010	370+20	-	377+75	CTH B NB	1,510	-	1,290	-	1,510	-	-	1,510
0010	377+75	-	400+00	CTH B NB	4,450	-	4,835	1	4,450	-	-	4,450
0010	400+00	-	410+00	CTH B NB	1,808	-	2,065	-	1,808	-	-	1,808
0010	10+68	-	11+39	578TH AVENUE	61	-	-	-	61	-	-	61
0010	10+71	-	11+45	WALTON AVE	64	-	-	-	64	-	-	64
0010	12+63	-	13+10	DISTRIBUTION CENTER DR	47	-	-	-	47	-	-	47
0010	14+49	-	15+75	3M DRIVE	116	-	-	-	116	-	-	116
0010	10+36	-	12+75	610TH AVENUE	239	179	-	-	60	-	-	239
				PROJECT	-	-	-	-	-	1	1	-
				TOTAL 0010	12,675	179	12,712	2	12,496	1	1	12,675

CTH B & USH 12 / STH 29
DUNN COUNTY
CATEGORY 0010

3

REMOVING CONCRETE BASES

SIGNAL BASE NO.	204.0195* REMOVING CONCRETE BASES EACH
SB3	1
SB4	1
TSB4	1
TOTAL	3

TRAFFIC SIGNAL PULL BOXES

PULL BOX NUMBER	LOCATION	653.0900* ADJUSTING PULL BOXES EACH
PB3	347+77"NB", 4.1' LT	1
PB4	347+66"NB", 56.8' RT	1
	TOTAL	2

TRAFFIC SIGNAL CONDUIT

FROM	-	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF
PB4	-	TSB4	16
PB4	-	SB4	15
			31

3

CONCRETE BASES

SIG. BASE NO.	LOCATION^	654.0102* CONCRETE BASES TYPE 2 EACH
SB3	347+62"NB", 4.0' LT	1
SB4	347+89"NB", 36.4' RT	1
TSB4	347+94"NB", 40.1' RT	1
	TOTAL	3

TRAFFIC SIGNAL CABLE AND WIRE - BELOW GROUND

FROM	-	TO	655.0305* CABLE TYPE UF 2-12 AWG GROUNDED LF
CB1	-	SB4	239
		TOTAL	239

TRAFFIC SIGNAL CABLE AND WIRE - ABOVE GROUND

FROM	-	TO	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG LF
TSB4	-	HEAD 19	48	--
SB4	-	HEAD 19	48	--
SB4	-	LUMINAIRE (1)	--	120
			96	120

POLES

SIGNAL BASE NO.	657.0255* TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0310 POLES TYPE 3 EACH	657.0704 LUMINAIRE ARMS TRUSS TYPE 4-INCH CLAMP 10-FT EACH	659.1125 LUMINAIRES UTILITY LED C EACH
SB4	1	1	1	1
TOTAL	1	1	1	1

SALVAGE AND REINSTALL TRAFFIC SIGNAL EQUIPMENT

LOCATION	SPV.0060.04 SALVAGE & REINSTALL TRAFFIC SIGNAL EQUIPMENT EACH
CTH B & USH 12 / STH 29	1
TOTAL	1

LEGEND

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

CTH B & 3M DRIVE / 610TH AVENUE
DUNN COUNTY
CATEGORY 0010

3

REMOVING CONCRETE BASES

SIGNAL BASE NO.	204.0195* REMOVING CONCRETE BASES EACH
CB1	1
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
SB11	1
SB12	1
TOTAL	13

SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.01 SIGNAL MOUNTING HARDWARE EACH
CTH B & 3M DRIVE / 610TH AVENUE	1
TOTAL	1

REMOVING PULL BOXES

PULL BOX NO.	653.0905* REMOVING PULL BOXES EACH
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
TOTAL	9

TRAFFIC SIGNAL PULL BOXES

PULL BOX NO.	LOCATION^	653.0154 PULL BOXES NON-CONDUCTIVE 24x36-INCH EACH	653.0164* PULL BOXES NON-CONDUCTIVE 24x42-INCH EACH
PB1	10+67, 35.7' LT	--	1
PB2	10+74, 35.6' LT	1	--
PB3	10+66, 30.9' RT	--	1
PB4	399+29"NB", 45.2' RT	--	1
PB5	397+30"NB", 40.4' RT	1	--
PB6	395+80"NB", 41.5' RT	1	--
PB7	399+29"NB", 7.3' LT	--	1
PB8	399+19"NB", 7.4' LT	1	--
PB9	399+29"SB", 4.9' RT	--	1
PB10	399+29"SB", 42.8' LT	--	1
PB11	15+45, 36.5' RT	--	1
PB12	15+39, 36.4' RT	1	--
PB13	15+45, 43.0' LT	--	1
PB14	400+80"SB", 45.9' LT	--	1
PB15	402+77"SB", 46.9' LT	1	--
PB16	404+27"SB", 39.2' LT	1	--
PB17	400+80"SB", 7.8' RT	--	1
PB18	400+88"SB", 7.8' RT	1	--
PB19	400+80"NB", 5.2' LT	--	1
PB20	400+80"SB", 48.1' RT	--	1
	TOTAL	8	12

REMOVING TRAFFIC SIGNALS

LOCATION	204.9060.S.03 REMOVING TRAFFIC SIGNALS EACH
CTH B & 3M DRIVE / 610TH AVENUE	1
TOTAL	1

TRAFFIC SIGNAL CONDUIT

FROM		TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.
CB1	-	PB1	--	40
PB1	-	SB1	10	--
PB1	-	PB2	7	--
PB1	-	PB3	--	134
PB3	-	SB2	--	6
PB3	-	PB4	--	88
PB4	-	SB3	14	--
PB4	-	PB5	200	--
PB5	-	PB6	150	--
PB4	-	PB7	--	106
PB7	-	SB4	35	--
PB7	-	PB8	10	--
PB7	-	PB9	--	50
PB9	-	SB5	5	--
PB9	-	PB10	--	96
PB10	-	SB6	--	11
PB10	-	PB11	--	102
PB11	-	SB7	11	--
PB11	-	PB12	6	--
PB11	-	PB13	--	160
PB13	-	SB8	--	26
PB13	-	PB14	--	70
PB14	-	SB9	11	--
PB14	-	PB15	197	--
PB15	-	PB16	150	--
PB14	-	PB17	--	110
PB17	-	SB10	28	--
PB17	-	PB18	9	--
PB17	-	PB19	--	48
PB19	-	SB11	5	--
PB19	-	PB20	--	108
PB20	-	SB12	--	5
PB20	-	CB1	--	58
		TOTAL	848	1218

LEGEND

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

3

TRAFFIC SIGNAL LOOP DETECTORS

LOOP NO.	HOME RUN PB	LOCATION** ^	SIZE (FT)x(FT)	NO. OF TURNS	PAVEMENT TYPE	SDD INSTALLATION REFERENCE	652.0800* CONDUIT LOOP DETECTOR L.F.	655.0700 LOOP DETECTOR LEAD IN CABLE L.F.	655.0800* LOOP DETECTOR WIRE L.F.
21	PB16	404+27"SB", 12.0' LT	6x20	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	86	539	352
22	PB15	402+77"SB", 12.0' LT	6x20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	102	384	314
23	PB18	400+64"SB", 21.0' RT	6x20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	74	167	230
24	PB18	400+92"SB", 21.0' RT	6x20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	74	167	230
41	PB12	15+38, 18.0' RT	6x20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WILL PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	82	318	254
42	PB12	15+66, 18.0' RT	6x20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WILL PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	86	318	266
61	PB6	395+79"NB", 12.0' RT	6x20	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WILL PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	92	506	376
62	PB5	397+27"NB", 12.0' RT	6x20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WILL PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	90	351	278
63	PB8	399+16"NB", 21.0' LT	6x20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	76	219	236
64	PB8	399+44"NB", 21.0' LT	6x20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	76	219	236
71	PB12	15+38, 6.0' RT	6x20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WILL PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	106	318	326
72	PB12	15+66, 6.0' RT	6x20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WILL PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	108	318	332
81	PB2	10+74, 6.0' LT	6x20	3	ASPHALT	LOOP DETECTOR INSTALLED IN BASE COURSE WILL PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	106	37	326
82	PB2	10+74, 18.0' LT	6x20	3	ASPHALT	LOOP DETECTOR INSTALLED IN BASE COURSE WILL PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	82	37	254
83	PB2	10+46, 6.0' LT	6x20	3	ASPHALT	LOOP DETECTOR INSTALLED IN BASE COURSE WILL PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	108	37	332
84	PB2	10+46, 18.0' LT	6x20	3	ASPHALT	LOOP DETECTOR INSTALLED IN BASE COURSE WILL PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	86	37	266
						TOTAL	1434	3972	4608

CONCRETE BASES

SIGNAL BASE NO.	LOCATION^	654.0101* CONCRETE BASES TYPE 1 EACH	654.0102* CONCRETE BASES TYPE 2 EACH	654.0120 CONCRETE BASES TYPE 10-SPECIAL EACH
SB1	400+37"NB", 57.9' RT	--	1	--
SB2	399+64"NB", 62.0' RT	--	--	1
SB3	399+42"NB", 48.5' RT	1	--	--
SB4	399+64"NB", 7.5' LT	1	--	--
SB5	399+33"SB", 5.4' RT	--	1	--
SB6	399+39"SB", 44.6' LT	--	--	1
SB7	399+68"SB", 58.5' LT	--	1	--
SB8	400+43"SB", 89.8' LT	--	--	1
SB9	400+70"SB", 48.8' LT	1	--	--
SB10	400+50"SB", 7.7' RT	1	--	--
SB11	400+76"NB", 5.4' LT	--	1	--
SB12	400+76"NB", 44.7' RT	--	--	1
	TOTAL	4	4	4

LEGEND

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

CTH B & 3M DRIVE / 610TH AVENUE
DUNN COUNTY
CATEGORY 0010

POLES

SIGNAL BASE NO.	657.0100 PEDESTAL BASES EACH	657.0255* TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0315 POLES TYPE 4 EACH	657.0347 POLES TYPE 9 SPECIAL EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0541 MONOTUBE ARMS 40-FT SPECIAL EACH	657.0609* LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	659.1115 LUMINAIRES UTILITY LED A EACH
SB1	--	1	1	--	--	--	1	1
SB2	--	--	--	1	--	1	--	--
SB3	1	--	--	--	1	--	--	--
SB4	1	--	--	--	1	--	--	--
SB5	--	1	1	--	--	--	2	2
SB6	--	--	--	1	--	1	--	--
SB7	--	1	1	--	--	--	1	1
SB8	--	--	--	1	--	1	--	--
SB9	1	--	--	--	1	--	--	--
SB10	1	--	--	--	1	--	--	--
SB11	--	1	1	--	--	--	2	2
SB12	--	--	--	1	--	1	--	--
TOTAL	4	4	4	4	4	4	6	6

FACES

SIGNAL HEAD NO.	SIGNAL BASE NO.	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH
16	SB1	1
18	SB1	1
14	SB2	1
15	SB2	1
17	SB2	1
5	SB3	1
7	SB3	1
6	SB4	1
10	SB9	1
2	SB6	1
3	SB6	1
13	SB7	1
21	SB7	1
19	SB8	1
20	SB8	1
22	SB8	1
1	SB9	1
11	SB9	1
12	SB10	1
4	SB11	1
8	SB12	1
9	SB12	1
TOTAL		22

TRAFFIC SIGNAL CONTROLLER

LOCATION	SPV.0060.07 TRAFFIC SIGNAL CABINET AND CONTROLLER EACH
CTH B & 3M DRIVE / 610TH AVENUE	1
TOTAL	1

TEMPORARY TRAFFIC SIGNALS

LOCATION	661.0201.01 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS EACH
CTH B & 3M DRIVE / 610TH AVENUE	1
TOTAL	1

LEGEND

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

3

TRAFFIC SIGNAL CABLE AND WIRE - BELOW GROUND

FROM		TO	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260* CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	655.0320* CABLE TYPE UF 2-10 AWG GROUNDED L.F.	655.0515* ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	-	SB1	--	--	68	68	68
CB1	-	SB2	--	--	146	--	--
CB1	-	SB3	--	--	213	--	--
CB1	-	SB4	--	302	--	--	--
CB1	-	SB5	--	312	--	--	--
CB1	-	SB6	381	--	--	--	--
CB1	-	SB7	--	--	401	--	--
CB1	-	SB8	--	--	321	--	--
CB1	-	SB9	--	--	256	--	--
CB1	-	SB10	--	203	--	--	--
CB1	-	SB11	--	141	--	141	--
CB1	-	SB12	72	--	--	--	72
SB1	-	SB2	--	--	--	--	114
SB2	-	SB3	--	--	--	--	95
SB3	-	SB4	--	--	--	--	133
SB4	-	SB5	--	--	--	--	96
SB5	-	SB6	--	--	--	--	95
SB6	-	SB7	--	--	--	--	104
SB7	-	SB8	--	--	--	--	148
SB8	-	SB9	--	--	--	--	103
SB9	-	SB10	--	--	--	--	125
SB10	-	SB11	--	--	--	--	88
SB11	-	SB12	--	--	--	--	95
SB1	-	SB5	--	--	--	280	--
SB5	-	SB7	--	--	--	176	--
		TOTAL	453	958	1405	665	1336

TRAFFIC SIGNAL CABLE AND WIRE - ABOVE GROUND

FROM		TO	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	665.0610* ELECTRICAL WIRE LIGHTING 12 AWG L.F.
SB1	-	LUMINAIRE (1)	--	145
SB1	-	HEAD 13	24	--
SB1	-	HEAD 21	24	--
SB2	-	HEAD 19	67	--
SB2	-	HEAD 20	21	--
SB2	-	HEAD 22	67	--
SB3	-	HEAD 1	21	--
SB3	-	HEAD 11	21	--
SB4	-	HEAD 12	21	--
SB5	-	HEAD 4	21	--
SB5	-	LUMINAIRE (2)	--	263
SB6	-	HEAD 8	67	--
SB6	-	HEAD 9	67	--
SB7	-	HEAD 16	21	--
SB7	-	HEAD 18	21	--
SB7	-	LUMINAIRE (1)	--	145
SB8	-	HEAD 14	67	--
SB8	-	HEAD 15	21	--
SB8	-	HEAD 17	67	--
SB9	-	HEAD 5	21	--
SB9	-	HEAD 7	21	--
SB10	-	HEAD 6	21	--
SB11	-	HEAD 10	21	--
SB11	-	LUMINAIRE (2)	--	263
SB12	-	HEAD 2	67	--
SB12	-	HEAD 3	50	--
		TOTAL	819	816

LEGEND

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

FILE NAME : G:\CBS Squared\CTH B\CTH B_South\Traffic\CTH B & 3M Drive\Signal_3M_mq.pptx PLOT DATE : 11/28/2022 PLOT BY : KL ENGINEERING PLOT NAME : CTH B & 3M_mq.pdf PLOT SCALE : 1:1

CTH B & IH 94 EB Ramps
DUNN COUNTY
CATEGORY 0010

3

REMOVING CONCRETE BASES

SIGNAL BASE NO.	204.0195* REMOVING CONCRETE BASES EACH
SB2	1
SB3	1
SB10	1
TOTAL	3

TRAFFIC SIGNAL PULL BOXES

PULL BOX NUMBER	LOCATION^	653.0135* PULL BOXES STEEL 24X36-INCH EACH	653.0900* ADJUSTING PULL BOXES EACH
PB1	409+86"NB", 44.7' RT	--	1
PB4	409+86"NB", 8.3' LT	1	--
PB14	411+01"NB", 42.1' RT	1	--
	TOTAL	2	1

TRAFFIC SIGNAL CONDUIT+

FROM	-	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
PB1	-	PB4	--	50
PB4	-	SB2	--	16
PB4	-	SB3	--	42
PB4	-	PB5	--	54
PB1	-	PB14	--	156
PB14	-	SB10	--	34
PB15	-	PB16	53	--
		TOTAL	53	352

+ ONLY REPLACE CONDUIT IF EXISTING CONDUIT IS DAMAGED DURING CONSTRUCTION.

SALVAGE AND REINSTALL TRAFFIC SIGNAL EQUIPMENT

LOCATION	SPV.0060.05 SALVAGE & REINSTALL TRAFFIC SIGNAL EQUIPMENT EACH
CTH B & IH 94 EASTBOUND RAMPS	1
TOTAL	1

TEMPORARY TRAFFIC SIGNALS

LOCATION	661.0201.02 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS EACH	SPV.0060.01 TEMPORARY EVP SYSTEM EACH
CTH B & IH 94 EASTBOUND RAMPS	1	1
TOTAL	1	1

REMOVING PULL BOXES

PULL BOX NO.	653.0905* REMOVING PULL BOXES EACH
PB4	1
PB14	1
TOTAL	2

CONCRETE BASES

SIG. BASE NO.	LOCATION^	654.0101* CONCRETE BASES TYPE 1 EACH	654.0102* CONCRETE BASES TYPE 2 EACH
SB2	410+02"NB", 10.3' LT	1	--
SB3	409+45"NB", 19.2' LT	--	1
SB10	410+67"NB", 47.8' RT	1	--
	TOTAL	2	1

LEGEND

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

FILE NAME : G:\CBS Squared\CTH B\CTH B_South\Traffic\CTH B & EB Ramps\Signal_EB Ramps_mq.pptx PLOT DATE : 11/28/2022 PLOT BY : KL ENGINEERING PLOT NAME : S17-1033_mq.pdf PLOT SCALE : 1:1

CTH B & IH 94 EB Ramps
DUNN COUNTY
CATEGORY 0010

3

TRAFFIC SIGNAL LOOP DETECTORS

LOOP NO.	HOME RUN PB	LOCATION ** ^	SIZE FT X FT	NO. OF TURNS	PAVEMENT TYPE	INSTALLATION METHOD	652.0800* CONDUIT LOOP DETECTOR LF	655.0800* LOOP DETECTOR WIRE LF
61	PB2	407+82"NB", 11.8' RT	6 X 20	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	96	392
62	PB3	405+61"NB", 12.0' RT	6 X 20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	92	284
						TOTAL	188	676

TRAFFIC SIGNAL CABLE AND WIRE - BELOW GROUND

FROM	-	TO	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0260* CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0305* CABLE TYPE UF 2-12 AWG GROUNDED LF	655.0515* ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF	655.0900* TRAFFIC SIGNAL EVP DETECTOR CABLE LF
CB1	-	SB2	--	130	--	--	--
CB1	-	SB3	--	156	--	--	--
CB1	-	SB4	226	--	--	--	266
CB1	-	SB5	--	264	264	--	--
CB1	-	SB6	285	--	--	--	--
CB1	-	SB7	359	--	--	--	--
CB1	-	SB8	--	246	--	--	--
CB1	-	SB9	187	--	--	--	232
CB1	-	SB10	210	--	--	--	--
SB1	-	SB2	--	--	--	129	--
SB2	-	SB3	--	--	--	89	--
SB3	-	SB4	--	--	--	185	--
SB8	-	SB9	--	--	--	112	--
SB9	-	SB10	--	--	--	76	--
SB10	-	SB11	--	--	--	231	--
PB4	-	SB2	--	--	--	35	--
PB14	-	SB9	--	--	--	30	--
		TOTAL	1267	796	264	887	498

TRAFFIC SIGNAL CABLE AND WIRE - ABOVE GROUND

FROM	-	TO	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG LF
SB2	-	HEAD 7	24
SB3	-	HEAD 12	21
SB3	-	HEAD 14	48
SB10	-	HEAD 10	21
			114

LEGEND

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

FILE NAME : G:\CBS Squared\CTH B\CTH B_South\Traffic\CTH B & EB Ramps\Signal_EB Ramps_mq.pptx PLOT DATE : 11/28/2022 PLOT BY : KL ENGINEERING PLOT NAME : S17-1033_mq.pdf PLOT SCALE : 1:1

CTH B & IH 94 WB Ramps
DUNN COUNTY
CATEGORY 0010

3

REMOVING CONCRETE BASES

SIGNAL BASE NO.	204.0195* REMOVING CONCRETE BASES EACH
SB8	1
SB9	1
SB10	1
TOTAL	3

TRAFFIC SIGNAL PULL BOXES

PULL BOX NUMBER	LOCATION^	653.0135* PULL BOXES STEEL 24X36-INCH EACH	653.0900* ADJUSTING PULL BOXES EACH
PB12	421+59"NB", 71.5' LT	--	1
PB13	423+82"NB", 71.2' LT	--	1
PB14	419+66"NB", 21.3' LT	1	--
	TOTAL	1	2

TRAFFIC SIGNAL CONDUIT+

FROM	-	TO	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
PB10	-	PB11	78
PB11	-	SB8	12
PB11	-	PB14	76
PB14	-	SB9	9
PB14	-	SB10	36
PB14	-	PB1	21
		TOTAL	232

+ ONLY REPLACE CONDUIT IF EXISTING CONDUIT IS DAMAGED DURING CONSTRUCTION.

SALVAGE AND REINSTALL TRAFFIC SIGNAL EQUIPMENT

LOCATION	SPV.0060.06 SALVAGE & REINSTALL TRAFFIC SIGNAL EQUIPMENT EACH
CTH B & IH 94 WESTBOUND RAMPS	1
TOTAL	1

TEMPORARY TRAFFIC SIGNALS

LOCATION	661.0201.03 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS EACH	SPV.0060.02 TEMPORARY EVP SYSTEM EACH
CTH B & IH 94 WESTBOUND RAMPS	1	1
TOTAL	1	1

REMOVING PULL BOXES

PULL BOX NO.	653.0905* REMOVING PULL BOXES EACH
PB14	1
TOTAL	1

CONCRETE BASES

SIG. BASE NO.	LOCATION^	654.0101* CONCRETE BASES TYPE 1 EACH	654.0102* CONCRETE BASES TYPE 2 EACH
SB8	419+55"NB", 75.1' LT	1	--
SB9	419+56"NB", 22.4' LT	1	--
SB10	420+00"NB", 13.8'LT	--	1
	TOTAL	2	1

LEGEND

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

FILE NAME : G:\CBS Squared\CTH B\CTH B_South\Traffic\CTH B & WB Ramps\Signal_WB Ramps_mq.pptx PLOT DATE : 11/29/2022 PLOT BY : KL ENGINEERING PLOT NAME : S17-1034_mq.pdf PLOT SCALE : 1:1

CTH B & IH 94 WB Ramps
DUNN COUNTY
CATEGORY 0010

3

TRAFFIC SIGNAL LOOP DETECTORS

LOOP NO.	HOME RUN PB	LOCATION ** ^	SIZE FT		SIZE FT	NO. OF TURNS	PAVEMENT TYPE	INSTALLATION METHOD	652.0800* CONDUIT LOOP DETECTOR LF	655.0800* LOOP DETECTOR WIRE LF
21	PB13	423+92"NB", 43.6' LT	6	X	20	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	92	376
22	PB12	421+72"NB", 42.3' LT	6	X	20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	98	302
								TOTAL	190	678

TRAFFIC SIGNAL CABLE AND WIRE - BELOW GROUND

FROM	-	TO	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0260* CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0305* CABLE TYPE UF 2-12 AWG GROUNDED LF	655.0515* ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF	655.0900* TRAFFIC SIGNAL EVP DETECTOR CABLE LF	SPV.0090.01 INSTALL STATE FURNISHED CAT-5E CABLE LF
CB1	-	SB5	316	--	--	--	361	--
CB1	-	SB6	307	--	--	--	--	--
CB1	-	SB7	231	--	231	--	276	231
CB1	-	SB8	--	227	--	--	--	--
CB1	-	SB9	--	144	--	--	--	--
CB1	-	SB10	--	171	--	--	--	--
SB6	-	SB7	--	--	--	139	--	--
SB7	-	SB8	--	--	--	59	--	--
SB8	-	SB9	--	--	--	132	--	--
SB9	-	SB10	--	--	--	76	--	--
SB10	-	SB11	--	--	--	165	--	--
PB14	-	SB9	--	--	--	29	--	--
		TOTAL	854	542	231	600	637	231

TRAFFIC SIGNAL CABLE AND WIRE - ABOVE GROUND

FROM	-	TO	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG LF
SB8	-	HEAD 5	21
SB8	-	HEAD 13	24
SB9	-	HEAD 4	24
SB10	-	HEAD 12	21
SB10	-	HEAD 14	48
			138

LEGEND

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

FILE NAME : G:\CBS Squared\CTH B\CTH B_South\Traffic\CTH B & WB Ramps\Signal_WB Ramps_mq.pptx PLOT DATE : 11/29/2022 PLOT BY : KL ENGINEERING PLOT NAME : S17-1034_mq.pdf PLOT SCALE : 1:1

CTH B & IH 94 RAMP GATES
DUNN COUNTY
CATEGORY 0010

3

REMOVING CONCRETE BASES

BASE NO.	204.0195* REMOVING CONCRETE BASES EACH
G-61-01	1
SP1	1
TOTAL	2

CONCRETE BASES

BASE. NO.	LOCATION^	654.0105* CONCRETE BASES TYPE 5 EACH
G-61-01	410+64"NB", 56.8' RT	1
	TOTAL	1

3

SALVAGE AND REINSTALL RAMP CLOSURE GATES

LOCATION	SPV.0060.08 SALVAGE & REINSTALL RAMP CLOSURE GATES EACH
G-61-01	1
TOTAL	1

LEGEND

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	MISCELLANEOUS QUANTITIES	SHEET: 260	E

FILE NAME : G:\CBS Squared\CTH B\CTH B_South\Traffic\Ramp Gates\Ramp Gates_mq.pptx PLOT DATE : 11/28/2022 PLOT BY : KL ENGINEERING PLOT NAME : Ramp Gates_mq.pdf PLOT SCALE : 1:1

LIGHTING REMOVALS

Item		204.0195* REMOVING CONCRETE BASES EACH	204.9060.S.01 REMOVING STREET LIGHT ASSEMBLY EACH	204.9060.S.02 REMOVING LIGHTING CONTROLS EACH	653.0905* REMOVING PULL BOXES EACH	659.5000.S.01 LAMP, BALLAST LED, SWITCH DISPOSAL BY CONTRACTOR EACH
CATEGORY 0010						
EXSL	100	1	1	--	--	1
EXSL	101	1	1	--	--	1
EXSL	200	1	1	--	--	1
EXSL	201	1	1	--	--	1
EXSL	202	1	1	--	--	1
EXSL	203	1	1	--	--	1
EXSL	204	1	1	--	--	1
EXSL	205	1	1	--	--	1
EXSL	206	1	1	--	--	1
EXSL	207	1	1	--	--	1
EXSL	208	1	1	--	--	1
EXSL	209	1	1	--	--	1
EXSL	210	1	1	--	--	1
EXSL	211	1	1	--	--	1
EXSL	212	1	1	--	--	1
EXSL	213	1	1	--	--	1
EXSL	300	1	1	--	--	1
EXSL	301	1	1	--	--	1
EXSL	302	1	1	--	--	1
EXSL	303	1	1	--	--	1
EXSL	304	1	1	--	--	1
EXSL	305	1	1	--	--	1
EXPB	200	--	--	--	1	--
EXPB	300	--	--	--	1	--
EXCB	200	--	--	1	--	--
PROJECT TOTAL		**22**	**22**	**1**	**2**	**22**

* ADDITIONAL QUANTITIES FOUND ELSEWHERE.

LIGHTING LINEAR REMOVALS

FROM	-	TO	204.9090.S.01 REMOVING ELECTRICAL CONDUCTORS FROM EXISTING CONDUIT LF
CATEGORY 0010			
EXPB 100	-	EXSL 101	65
EXSL 101	-	EXSL 100	100
EXSL 200	-	EXSL 201	250
EXSL 201	-	EXPB 200	250
EXPB 200	-	EXSL 203	40
EXPB 200	-	EXSL 202	60
EXPB 200	-	EXSL 204	255
EXSL 204	-	EXSL 205	250
EXSL 205	-	EXSL 206	260
EXSL 206	-	EXSL 207	260
EXSL 207	-	EXSL 208	260
EXSL 208	-	EXSL 209	250
EXSL 209	-	EXSL 210	250
EXSL 210	-	EXSL 211	250
EXSL 211	-	EXSL 213	255
EXSL 213	-	EXSL 212	105
EXSL 212	-	EXCB 200	15
EXSL 301	-	EXPB 300	65
EXSL 300	-	EXPB 300	50
EXPB 300	-	EXSL 302	205
EXSL 302	-	EXSL 303	190
EXSL 303	-	EXSL 304	200
EXSL 304	-	EXSL 305	210
EXSL 305	-	EXSL 306	205
PROJECT TOTAL			**4300**

LIGHTING CONTROL

CABINET NUMBER	STATION	OFFSET	R/L	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30 EACH	656.0201.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL (CB100) EACH	656.0201.02 ELECTRICAL SERVICE METER BREAKER PEDESTAL (CB200) EACH	659.2130 LIGHTING CONTROL CABINETS 120/240 30-INCH EACH	SPV.0060.09 CONCRETE CONTROL CABINET DOUBLE BASE EACH
CATEGORY 0010								
CB100	356+21.1'SB'	50.5'	LT	1	1	--	1	--
CB200	400+59.7'NB'	59.3'	RT	--	--	1	1	1
PROJECT TOTAL				1	1	1	2	1

STREET LIGHTS

LIGHT NUMBER		STATION	OFFSET	R/L	654.0105* CONCRETE BASES TYPE 5 EACH	657.0255* TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0322 POLES TYPE 5 ALUMINUM EACH	657.0610 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT EACH	659.1115* LUMINAIRES UTILITY LED A EACH	655.0610* ELECTRICAL WIRE LIGHTING 12AWG LF
CATEGORY 0010										
SL	100	349+17.7'SB'	38.8'	LT	1	1	1	1	1	132
SL	102	350+67.4'NB'	8.1'	LT	1	1	1	2	2	264
SL	103	352+67.4'NB'	14.8'	LT	1	1	1	2	2	264
SL	104	354+64.7'SB'	38.8'	LT	1	1	1	1	1	132
SL	105	354+64.2'NB'	38.8'	RT	1	1	1	1	1	132
SL	106	356+12.7'SB'	41.9'	LT	1	1	1	1	1	132
SL	107	356+12.2'NB'	38.8'	RT	1	1	1	1	1	132
SL	200	370+86.5'NB'	16.4'	LT	1	1	1	2	2	264
SL	201	372+88.2'NB'	11.5'	LT	1	1	1	2	2	264
SL	202	375+20.4'SB'	38.8'	LT	1	1	1	1	1	132
SL	203	375+19.0'NB'	40.2'	RT	1	1	1	1	1	132
SL	204	377+08.2'SB'	42.8'	LT	1	1	1	1	1	132
SL	205	377+07.9'NB'	40.3'	RT	1	1	1	1	1	132
SL	206	378+52.4'NB'	13.4'	LT	1	1	1	2	2	264
SL	207	380+14.0'NB'	12.4'	LT	1	1	1	2	2	264
SL	208	382+02.0'NB'	12.6'	LT	1	1	1	2	2	264
SL	209	383+94.0'NB'	12.6'	LT	1	1	1	2	2	264
SL	210	385+86.0'NB'	12.7'	LT	1	1	1	2	2	264
SL	211	387+76.0'NB'	13.1'	LT	1	1	1	2	2	264
SL	212	389+69.0'NB'	13.4'	LT	1	1	1	2	2	264
SL	213	391+61.0'NB'	13.6'	LT	1	1	1	2	2	264
SL	214	393+48.0'NB'	13.9'	LT	1	1	1	2	2	264
SL	215	395+50.0'NB'	13.5'	LT	1	1	1	2	2	264
SL	216	397+51.5'NB'	25.8'	LT	1	1	1	2	2	264
SL	217	402+34.0'NB'	9.5'	LT	1	1	1	2	2	264
SL	218	404+33.1'NB'	14.8'	LT	1	1	1	2	2	264
SL	219	406+36.1'NB'	14.7'	LT	1	1	1	2	2	264
SL	220	408+28.1'NB'	14.9'	LT	1	1	1	2	2	264
PROJECT TOTAL					**28**	**28**	**28**	**47**	**47**	**6204**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE
**SL101 WAS REMOVED FROM THE PLAN AND IS NO LONGER IN USE

LIGHTING PULLBOXES

PULLBOX NUMBER	STATION	OFFSET	R/L	653.0164* PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH
CATEGORY 0010				
PB 100	350+61.2'SB'	38.5'	LT	1
PB 101	350+60.6'NB'	7.6'	LT	1
PB 103	352+72.6'SB'	40.0'	LT	1
PB 104	352+72.4'NB'	15.0'	LT	1
PB 105	352+71.9'NB'	41.3'	RT	1
PB 106	356+20.1'SB'	45.2'	LT	1
PB 107	356+27.8'SB'	48.7'	LT	1
PB 108	356+19.5'NB'	38.9'	RT	1
PB 200	373+05.8'SB'	40.5'	LT	1
PB 201	373+04.7'NB'	11.0'	LT	1
PB 202	373+02.9'NB'	39.9'	RT	1
PB 203	377+19.5'SB'	53.0'	LT	1
PB 204	378+78.6'SB'	51.1'	LT	1
PB 205	378+78.0'NB'	11.8'	LT	1
PB 206	378+78.0'NB'	39.6'	RT	1
PB 207	397+66.6'SB'	40.0'	LT	1
PB 208	397+64.9'NB'	27.1'	LT	1
PB 209	397+65.9'NB'	39.7'	RT	1
PB 210	399+69.7'NB'	78.4'	RT	1
PB 211	400+33.5'NB'	78.8'	RT	1
PB 212	401+04.7'SB'	46.3'	LT	1
PB 213	401+04.4'NB'	5.0'	LT	1
PB 214	401+04.1'NB'	41.1'	RT	1
PROJECT TOTAL				**23**

* ADDITIONAL QUANTITIES FOUND ELSEWHERE
**PB102 WAS REMOVED FROM THE PLAN AND IS NO LONGER IN USE

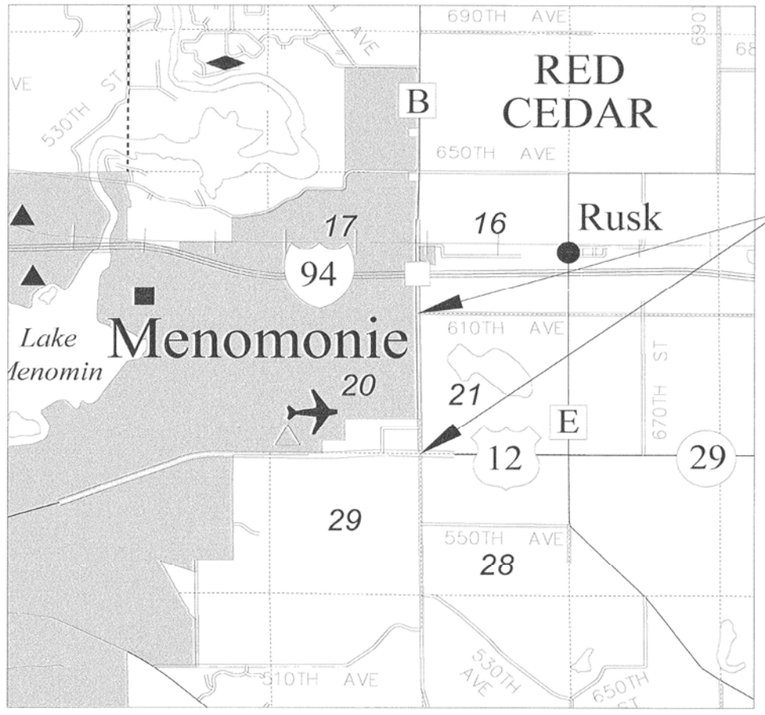
LIGHTING CONDUIT AND WIRE

FROM	-	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	REMARKS
CATEGORY 0010								
CB 100	-	PB 106	20	--	--	108	--	--
CB 100	-	PB 107	20	--	72	--	--	PULL WIRE ONLY
PB 106	-	SL 106	10	--	--	69	--	--
PB 106	-	PB 108	110	--	--	378	--	--
SL 106	-	SL 104	150	--	--	480	--	--
PB 108	-	SL 107	10	--	--	60	--	--
SL 104	-	PB 103	195	--	--	624	--	--
SL 107	-	SL 105	150	--	--	480	--	--
SL 105	-	PB 105	195	--	--	624	--	--
PB 103	-	PB 104	50	--	--	198	--	--
PB 105	-	PB 104	60	--	--	228	--	--
PB 104	-	SL 103	5	--	--	108	--	--
SL 103	-	SL 102	205	--	--	1,290	--	--
SL 102	-	PB 101	10	--	--	69	--	--
PB 101	-	PB 100	55	--	--	213	--	--
PB 100	-	SL 100	145	--	--	474	--	--
CB 200	-	PB 211	--	40	--	--	290	--
CB 200	-	PB 211	--	40	58	--	--	PULL WIRE ONLY
PB 211	-	PB 210	65	--	--	--	405	--
PB 210	-	PB 209	220	--	--	--	1,180	--
PB 209	-	PB 208	70	--	--	--	430	--
PB 208	-	PB 207	50	--	66	--	--	PULL WIRE ONLY
PB 208	-	SL 216	15	--	--	--	140	--
SL 216	-	SL 215	205	--	--	--	1,075	--
SL 215	-	SL 214	205	--	--	--	1,075	--
SL 214	-	SL 213	190	--	--	--	1,000	--
SL 213	-	SL 212	195	--	--	--	1,025	--
SL 212	-	SL 211	195	--	--	--	1,025	--
SL 211	-	SL 210	190	--	--	--	1,000	--
SL 210	-	SL 209	195	--	--	--	1,025	--
SL 209	-	SL 208	195	--	--	--	1,025	--
SL 208	-	SL 207	190	--	--	--	1,000	--
SL 207	-	PB 205	135	--	--	--	740	--
PB 205	-	SL 206	25	--	--	--	418	--
PB 205	-	PB 204	65	--	--	--	243	--
PB 205	-	PB 206	55	--	--	--	213	--
PB 204	-	PB 203	160	--	--	--	528	--
PB 203	-	SL 204	15	--	--	--	84	--
PB 206	-	SL 205	170	--	--	--	549	--
SL 204	-	SL 202	190	--	--	--	600	--
SL 205	-	SL 203	190	--	--	--	600	--
SL 202	-	PB 200	215	--	--	--	684	--
SL 203	-	PB 202	215	--	--	--	684	--
PB 200	-	PB 201	55	--	--	--	213	--
PB 202	-	PB 201	50	--	--	--	198	--
PB 201	-	SL 201	20	--	--	--	198	--
SL 201	-	SL 200	205	--	--	--	1,075	--
CB 200	-	PB 214	--	55	--	365	--	--
CB 200	-	PB 214	--	55	73	--	--	PULL WIRE ONLY
PB 214	-	PB 213	50	--	--	330	--	--
PB 213	-	PB 212	80	--	96	--	--	PULL WIRE ONLY
PB 213	-	SL 217	130	--	--	715	--	--
SL 217	-	SL 218	200	--	--	1,050	--	--
SL 218	-	SL 219	205	--	--	1,075	--	--
SL 219	-	SL 220	195	--	--	1,025	--	--
SL 220	-	EXSL 306	175	--	--	1,450	--	--
PROJECT TOTAL			**6370**	**190**	**365**	**11413**	**18722**	

* ADDITIONAL QUANTITIES FOUND ELSEWHERE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
7996-00-43
C MENOMONIE, CTH B
USH 12 TO EB IH-94 RAMPS
CTH B
DUNN COUNTY





CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC.)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
TO BE REMOVED
BRIDGE

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED)

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER (25)
UTILITY NUMBER (40)
PARALLEL OFFSETS

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF CURVATURE	PC
ACRES	AC	POINT OF COMPOUND CURVE	PCC
AHEAD	AH	POINT OF INTERSECTION	PI
ALUMINUM	ALUM	PROPERTY LINE	PL
AND OTHERS	ET AL	RECORDED AS	(100')
BACK	BK	REEL / IMAGE	R/I
BLOCK	BLK	REFERENCE LINE	R/L
BUILDING	B	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE	CONC	RIGHT OF WAY	R/W
COUNTY	CO	SECTION	SEC
COUNTY TRUNK HIGHWAY	CTH	SEPTIC VENT	SEPV
DISTANCE	DIST	SQUARE FEET	SF
CORNER	COR	STATE TRUNK HIGHWAY	STH
DOCUMENT NUMBER	DOC	STATION	STA
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
FRACTIONAL	FRAC	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		

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

WATER	W
GAS	G
TELEPHONE	T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS

LAYOUT
SCALE 0 1 MILE

THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 7996-00-43.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DUNN 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. NGS POINT UTILIZED WAS RUSK DL4105.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF DUNN COUNTY.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE TPP DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE TPP DETAIL PAGES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 7996-00-43 4.01
SHEET 2 OF 2

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\RW\DWG\040101-RT.DWG
PLOT DATE : 11/18/2020 11:25 AM
7996-00-43

TRANSPORTATION PROJECT PLAT NO: 7996-00-43-4.01
AMENDMENT NO: 1 AMENDS UTILITY INTEREST AND EASEMENT TABLES OF TRANSPORTATION PROJECT PLAT 7996-00-43-4.01 RECORDED AS DOCUMENT NO: 660228

THAT PART OF LOT 3, CSM 1281, V 5, P 82, DOC 409167, AND PART OF LOT 1, CSM 4658, V 23, P 98, DOC 646197, LOCATED IN PART OF THE SE 1/4 OF THE SE 1/4, SECTION 20, TOWN OF RED CEDAR, AND PART OF THE NE 1/4 OF THE SE 1/4, SECTION 20, CITY OF MENOMONIE, TOWNSHIP 28 NORTH, RANGE 12 WEST, DUNN COUNTY, WISCONSIN.

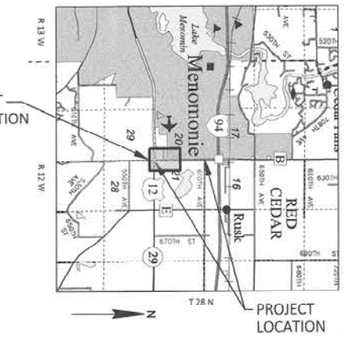
RELOCATION ORDERCTH B C MENOMONIE, CTH B, USH 12 TO EB IH-94 RAMPS, DUNN COUNTY.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, DUNN COUNTY DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 83.07 AND 83.08, WISCONSIN STATUTES, THE COUNTY HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE COUNTY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 83.07 AND 83.08, WISCONSIN STATUTES.

LOCATION SKETCH
NOT TO SCALE



FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN DUNN COUNTY AS SHEET 2 OF 2.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DUNN 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. NGS POINT UTILIZED WAS RUSK DL4105.

EXISTING ACCESS CONTROL ALONG USH 12 / STH 29 HAS BEEN ESTABLISHED FROM PREVIOUS PLAT 7600-05-21.

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.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF DUNN COUNTY.

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE COUNTY.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQUARE FEET REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
1	THEODORE & CO LLC	TLE	-	-	-	447
2	LINDSTROM ALLIANCE LLC	FEE	3620	-	3620	-
3	CITY OF MENOMONIE	FEE	132277	-	132277	-

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 7996-00-43-4.01
AMENDMENT NO: 1

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
50	XCEL ENERGY (ELECTRIC)	RELEASE OF RIGHTS(PARCEL 1) NONE (PARCEL 3)
51	WEST WISCONSIN TELCOM	NONE

UTILITY EASEMENT TABLE			
UTILITY NUMBER	PARCEL	RECORDING INFORMATION	NAME
50	1	NO RECORD OF EASEMENT	XCEL ENERGY (ELECTRIC)
50	3	NO RECORD OF EASEMENT NO PRESCRIPTIVE RIGHTS	XCEL ENERGY (ELECTRIC)
51	3	NO RECORD OF EASEMENT NO PRESCRIPTIVE RIGHTS	WEST WISCONSIN TELCOM

N

SCALE, FEET
0 100 200

TOWN OF RED CEDAR

CITY OF MENOMONIE

USH 12 / STH 29

578TH AVE

WALTON AVE

R/W VARIES

SE-SE SECTION 20

NE-SE SECTION 20

SW-SW SECTION 21

NW-SW SECTION 21

22812200000
FOUND 1" BRASS CAP
STA 347+12.50'NB', 28.77' LT
* Y= 174,341.999
X= 180,369.563

* DUNN COUNTY PUBLISHED COORDINATE VALUES. COORDINATE VALUES FIELD VERIFIED WITH CORNER TIE SHEETS.

LOT 3 CSM 1281 V 5, P 82 DOC 409167

LOT 1 CSM 4658 V 23, P 98 DOC 646197

LOT 1 CSM 1397 V 5, P 198 DOC 414009

PARCEL 1 TLE FOR SLOPES 447 SF

SLOPE INTERCEPT

RUNWAY PROTECTION ZONE

PARCEL 3 SUMMARY
NE SE FEE REQUIRED = 132,277 SF
SE-NE FEE REQUIRED = 35,465 SF
TOTAL FEE REQUIRED = 167,742 SF

CTH B

SECTION LINE

345'NB' 350'NB' 355'NB' 360'NB' 365'NB' 370'NB'

R/L= N00°17'48"W

R/L= N03°30'58"W

PC 360+13.21'NB'

PT 366+72.30'NB'

PC 370+28.75'NB'

PI 344+64.02
Y= 174093.666
X= 180399.619

PI 373+73.69'NB'

SEE SHEET 7996-00-43-4.02

22812202000
FOUND 1" SURVEY MARKER NAIL
STA 373+58.47'NB', 22.19' RT
* Y= 176,987.304
X= 180,354.666

CURVE 100-101
L=22.26'
LCH=22.26'
LCB=N00°21'05"W
R=11,655.00'

PI = 363+42.84'NB'
Y = 175972.463
X = 180389.894
Δ = 3°13'10" LT
D = 0°29'18"
T = 329.63'
L = 659.09'
R = 11730.00'
PC = 360+13.21'NB'
PT = 366+72.30'NB'

PI = 373+73.69'NB'
Y = 177001.546
X = 180326.664
Δ = 3°33'36" RT
D = 0°30'58"
T = 344.94'
L = 689.66'
R = 11100.00'
PC = 370+28.75'NB'
PT = 377+18.41'NB'
DA = N00° 02' 38"E

COURSE TABLE			
FROM	TO	DIRECTION	DISTANCE
22812200000	50	N 89° 59' 55" W	116.99'
50	52889	N 00° 00' 05" E	83.85'
52889	52890	N 44° 51' 53" E	93.76'
52890	52897	N 00° 19' 22" W	774.44'
52897	52896	N 45° 31' 07" W	21.33'
52896	201	N 89° 55' 47" W	25.67'
201	52895	N 21° 04' 53" E	70.70'
52895	99	N 38° 36' 11" E	30.62'
99	100	N 00° 17' 48" W	270.84'
101	102	N 89° 56' 00" W	87.35'
102	52906	N 00° 19' 22" W	884.89'
52906	52908	N 00° 19' 22" W	120.11'
52908	103	N 00° 19' 22" W	317.83'
103	22812200000	S 89° 52' 06" E	133.00'
22812200000	116	S 89° 37' 44" E	38.76'
116	117	S 03° 11' 17" E	985.11'
117	118	S 00° 19' 22" E	873.54'
118	52891	S 00° 19' 22" E	676.46'
52891	52892	S 57° 25' 28" E	85.99'
52892	58	S 00° 23' 25" W	66.28'
58	22812200000	N 89° 36' 35" W	159.39'

COURSE TABLE - SECTION LINE			
FROM	TO	DIRECTION	DISTANCE
22812200000	62	N 00° 19' 22" W	2159.30'
62	22812202000	N 00° 19' 22" W	486.05'
22812202000	22812200000	S 00° 19' 22" E	2645.35'

COURSE TABLE - SEGMENTS			
FROM	TO	DIRECTION	DISTANCE
52908	52909	N 00° 19' 22" W	238.05'
52909	103	N 00° 19' 22" W	79.78'
103	55	S 89° 52' 06" E	110.80'
55	22812202000	S 89° 52' 06" E	22.20'
58	59	N 89° 36' 35" W	130.62'
59	22812200000	N 89° 36' 35" W	28.77'

RECOVERED MONUMENTS			
POINT	Y	X	DESCRIPTION
52886	174056.199	180340.384	5/8" REBAR YELLOW CAPPED
52887	174182.784	180918.927	5/8" REBAR YELLOW CAPPED
52888	174256.299	180263.811	5/8" REBAR YELLOW CAPPED
52889	174425.853	180252.577	5/8" REBAR
52890	174492.305	180318.716	5/8" REBAR YELLOW CAPPED
52897	175266.730	180314.354	3/4" REBAR
52896	175281.674	180299.137	3/4" REBAR
52895	175347.674	180298.898	3/4" REBAR
52906	176549.681	180224.128	3/4" REBAR
52908	176669.789	180223.452	3/4" REBAR
52909	176907.831	180222.111	1" IRON PIPE
52910	176907.911	180152.129	3/4" REBAR
52911	176987.770	180151.723	3/4" REBAR
52891	174453.493	180456.937	3/4" REBAR
52892	174407.192	180529.403	5/8" REBAR
52883	174230.714	180523.234	5/8" REBAR YELLOW CAPPED
52884	174152.960	180445.224	5/8" REBAR YELLOW CAPPED
52885	174056.573	180425.710	5/8" REBAR YELLOW CAPPED

ROAD NAME	BASIS OF EXISTING R/W	YEAR
CTH B 578TH AVE	CSM 4658, V 23, P 98, DOC 646197	2020
CTH B	RIGHT-OF-WAY MAP M-400	2013
USH 12/STH 29	RIGHT-OF-WAY MAP 7600-05-21	1994
578TH AVE	CSM 1281, V 5, P 82, DOC 409167	1994
CTH B WALTON AVE	CSM 1397. V 5. P 198. DOC 414009	1994
CTH B	WARRANTY DEED, V 472, P 231, DOC 397832	1992

cbs2
770 TECHNOLOGY WAY
CHIPPEWA FALLS, WI 54729

I, NEIL C. BOWE, 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 COUNTY, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 6/21/2023
PRINT NAME: NEIL BOWE
REGISTRATION NUMBER: S-2827

WISCONSIN NEIL C. BOWE S-2827 CHIPPEWA FALLS WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR DUNN COUNTY.

SIGNATURE: _____ DATE: 06/21/2023
PRINT NAME: DUSTIN BINDER

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\RW\DWG\040101-RP.DWG
PLOT DATE : 6/21/2023 12:14 PM
APPRAISAL PLAT DATE : 5/13/2022

TRANSPORTATION PROJECT PLAT NO: 7996-00-43-4.02 AMENDMENT NO: 1 AMENDS UTILITY INTEREST AND EASEMENT TABLES OF TRANSPORTATION PROJECT PLAT 7996-00-43-4.02 RECORDED AS DOCUMENT NO: 660229

THAT PART OF LOT 1, CSM 1016, V 4, P 81, DOC 394343 LOCATED IN PART OF THE SE 1/4 OF THE NE 1/4, SECTION 20, AND PART OF LOT 3, CSM 1195, V 4, P 260, DOC 404322, LOCATED IN PART OF THE SE 1/4 OF THE SE 1/4, SECTION 17, CITY OF MENOMONIE, AND PART OF GOV LOT 4, SECTION 21, AND PART OF THE SW 1/4 OF THE SW 1/4, SECTION 16, TOWN OF RED CEDAR, TOWNSHIP 28 NORTH, RANGE 12 WEST, DUNN COUNTY, WISCONSIN.

RELOCATION ORDERCTH B C MENOMONIE, CTH B, USH 12 TO EB IH-94 RAMPS, DUNN COUNTY.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, DUNN COUNTY DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 83.07 AND 83.08, WISCONSIN STATUTES, THE COUNTY HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE COUNTY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 83.07 AND 83.08, WISCONSIN STATUTES.

LOCATION SKETCH
NOT TO SCALE



FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN DUNN COUNTY AS SHEET 2 OF 2 OF 7996-00-43-4.01.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DUNN 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. NGS POINT UTILIZED WAS RUSK DL4105.

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.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF DUNN COUNTY.

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
50	XCEL ENERGY (ELECTRIC)	NONE

UTILITY EASEMENT TABLE			
UTILITY NUMBER	PARCEL	RECORDING INFORMATION	NAME
50	3	NO RECORD OF EASEMENT NO PRESCRIPTIVE RIGHTS	XCEL ENERGY (ELECTRIC)

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE COUNTY.

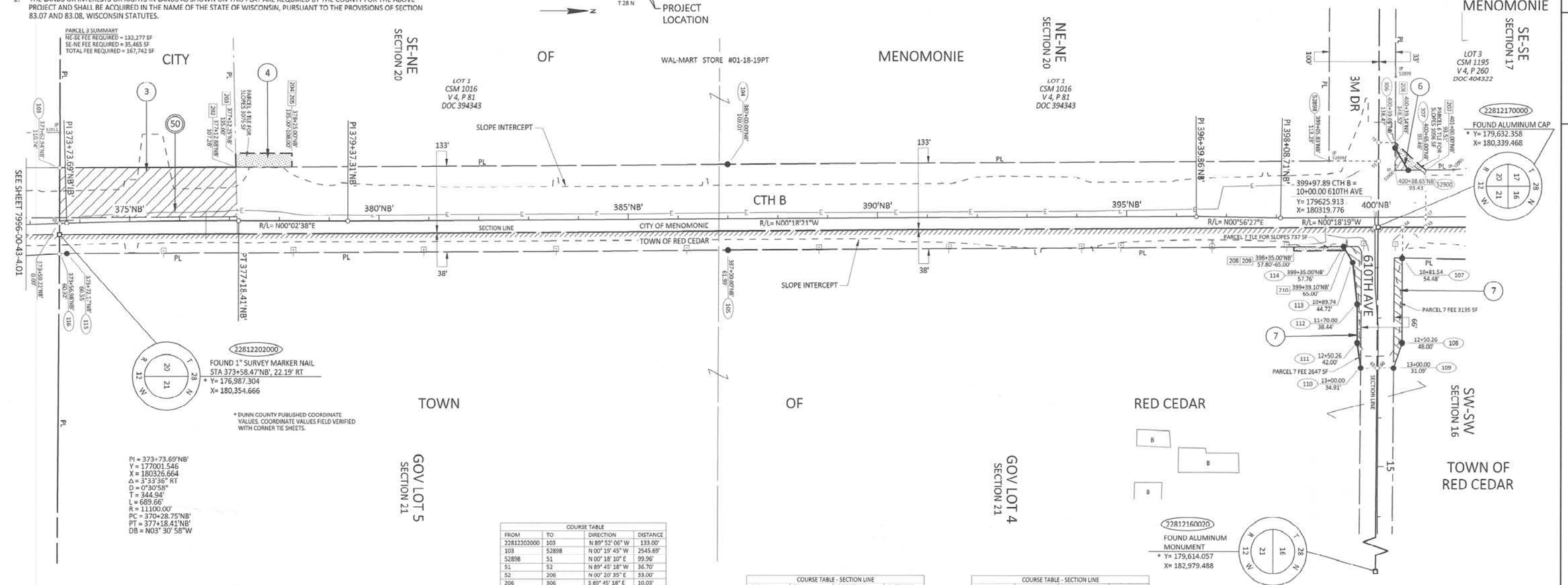
SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQUARE FEET REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
3	CITY OF MENOMONIE	FEE	35465	-	35465	-
4	WAL-MART	TLE	-	-	-	3076
6	KWIK TRIP INC	FEE/TLE	594	-	594	1096
7	MARSHALL L QUILLING REVOCABLE TRUST	FEE/TLE	5784	-	5784	737

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 7996-00-43-4.02
AMENDMENT NO: 1

N

SCALE, FEET
0 100 200



ROAD NAME	BASIS OF EXISTING R/W	YEAR
CTH B	RIGHT-OF-WAY MAP M-400	2013
CTH B 3M DRIVE	CSM 1195, V 4, P 260, DOC 404322	1993
CTH B 3M DRIVE	CSM 1016, V 4, P 81, DOC 394343	1992
CTH B	WARRANTY DEED, V 472, P 231, DOC 397832	1992

RECOVERED MONUMENTS			
POINT	Y	X	DESCRIPTION
52911	176987.770	180151.723	3/4" REBAR
52898	179533.257	180207.035	5/8" REBAR
52900	179666.141	180226.132	5/8" REBAR YELLOW CAPPED
52899	179667.004	180036.143	3/4" REBAR
52901	179783.498	180225.356	5/8" REBAR YELLOW CAPPED

COURSE TABLE			
FROM	TO	DIRECTION	DISTANCE
22812202000	103	N 89° 52' 06" W	133.00'
103	52898	N 00° 19' 45" W	2545.69'
52898	51	N 00° 18' 10" E	99.96'
51	52	N 89° 45' 18" W	36.70'
52	206	N 00° 20' 35" E	33.00'
206	306	S 89° 45' 18" E	10.03'
306	307	N 59° 43' 30" E	51.96'
307	207	N 00° 22' 44" W	35.00'
207	53	N 89° 41' 41" E	113.88'
53	54	S 00° 09' 12" W	47.39'
54	107	S 90° 00' 00" E	61.63'
107	108	S 90° 00' 00" E	168.67'
108	109	S 71° 08' 51" E	52.74'
109	110	S 00° 18' 24" W	66.00'
110	111	S 82° 00' 22" W	50.04'
111	112	N 90° 00' 00" W	77.04'
112	113	S 83° 41' 47" W	83.57'
113	114	S 60° 11' 12" W	36.67'
114	115	S 00° 19' 45" E	2561.24'
115	116	S 03° 11' 25" E	15.11'
116	22812202000	N 89° 37' 44" W	38.76'

COURSE TABLE - SECTION LINE			
FROM	TO	DIRECTION	DISTANCE
22812170000	64	S 00° 19' 45" E	6.45'
64	22812202000	S 00° 19' 45" E	2638.65'
22812202000	22812170000	N 00° 19' 45" W	2645.10'

COURSE TABLE - SECTION LINE			
FROM	TO	DIRECTION	DISTANCE
22812170000	63	S 89° 36' 10" E	280.23'
63	22812160020	S 89° 36' 10" E	4999.87'
22812160020	22812170000	N 89° 36' 10" W	5280.10'

COURSE TABLE - SEGMENTS			
FROM	TO	DIRECTION	DISTANCE
22812202000	55	N 89° 52' 06" W	22.20'
55	103	N 89° 52' 06" W	110.80'
103	104	N 00° 19' 45" W	1339.90'
104	52898	N 00° 19' 45" W	1205.79'
207	57	N 89° 41' 41" E	93.50'
57	53	N 89° 41' 41" E	20.38'
109	60	S 00° 18' 24" W	31.09'
60	63	S 00° 18' 24" W	2.19'
63	110	S 00° 18' 24" W	32.72'
114	105	S 00° 19' 45" E	1234.96'
105	115	S 00° 19' 45" E	1326.28'

cbs²
770 TECHNOLOGY WAY
CHIPPEWA FALLS, WI 54729

I, NEIL C. BOWE, 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 COUNTY, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

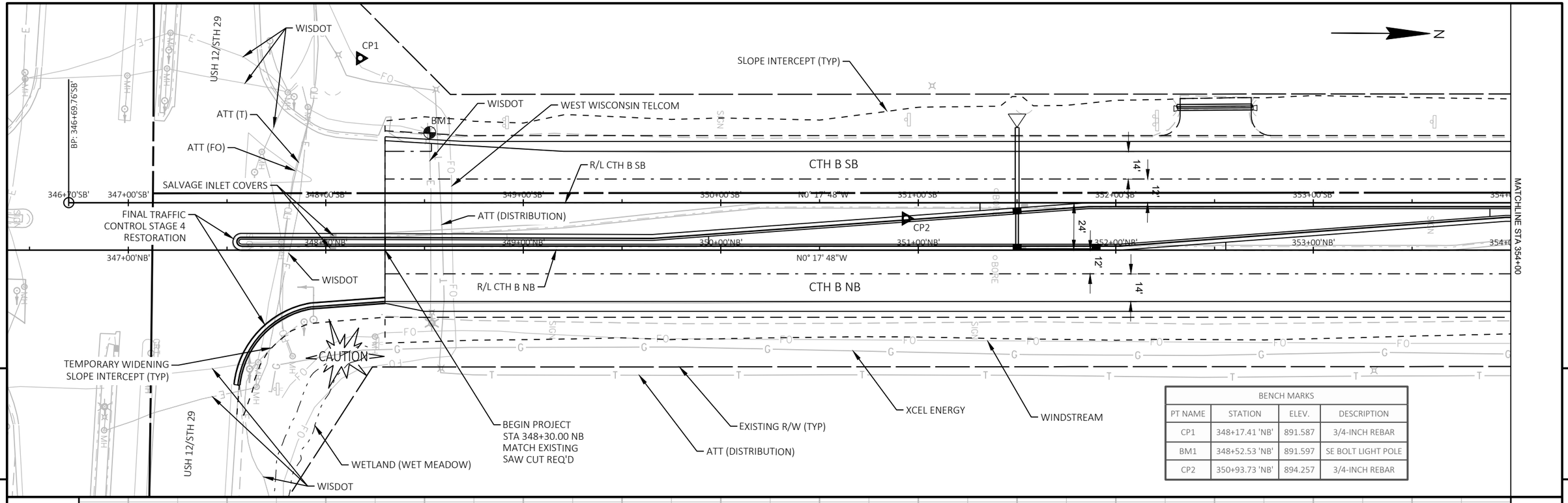
SIGNATURE: _____ DATE: 6/21/2023
PRINT NAME: NEIL BOWE
REGISTRATION NUMBER: S-2827

WISCONSIN NEIL C. BOWE S-2827 CHIPPEWA FALLS WI LAND SURVEYOR

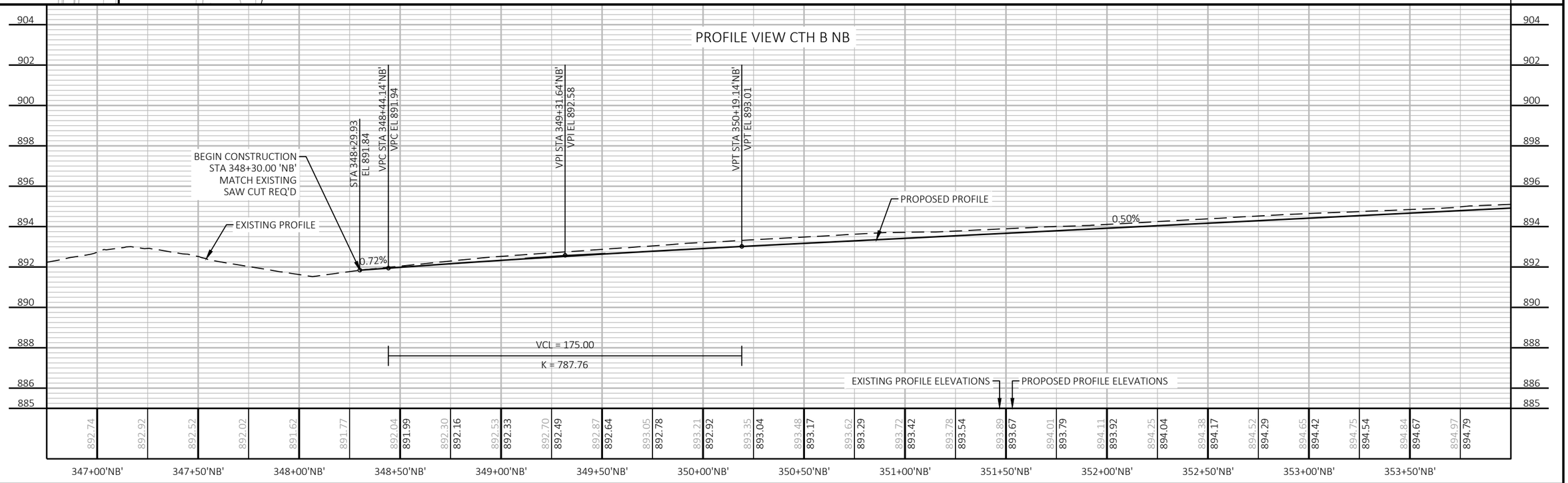
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR DUNN COUNTY.

SIGNATURE: _____ DATE: 06/21/2023
PRINT NAME: DUSTIN BINDER

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\RW\DWG\040101-RP.DWG PLOT DATE : 6/21/2023 6:05 AM
APPRAISAL PLAT DATE : 5/13/2022
WISDOT 7996-00-43-4.02A1



BENCH MARKS			
PT NAME	STATION	ELEV.	DESCRIPTION
CP1	348+17.41 'NB'	891.587	3/4-INCH REBAR
BM1	348+52.53 'NB'	891.597	SE BOLT LIGHT POLE
CP2	350+93.73 'NB'	894.257	3/4-INCH REBAR

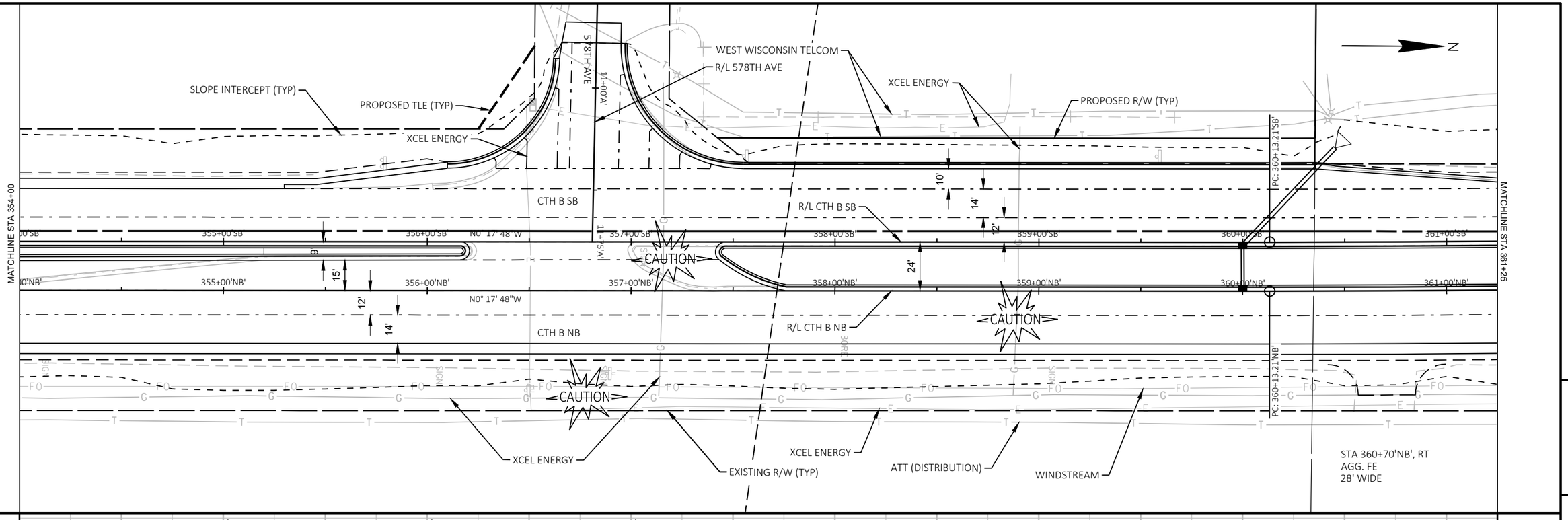


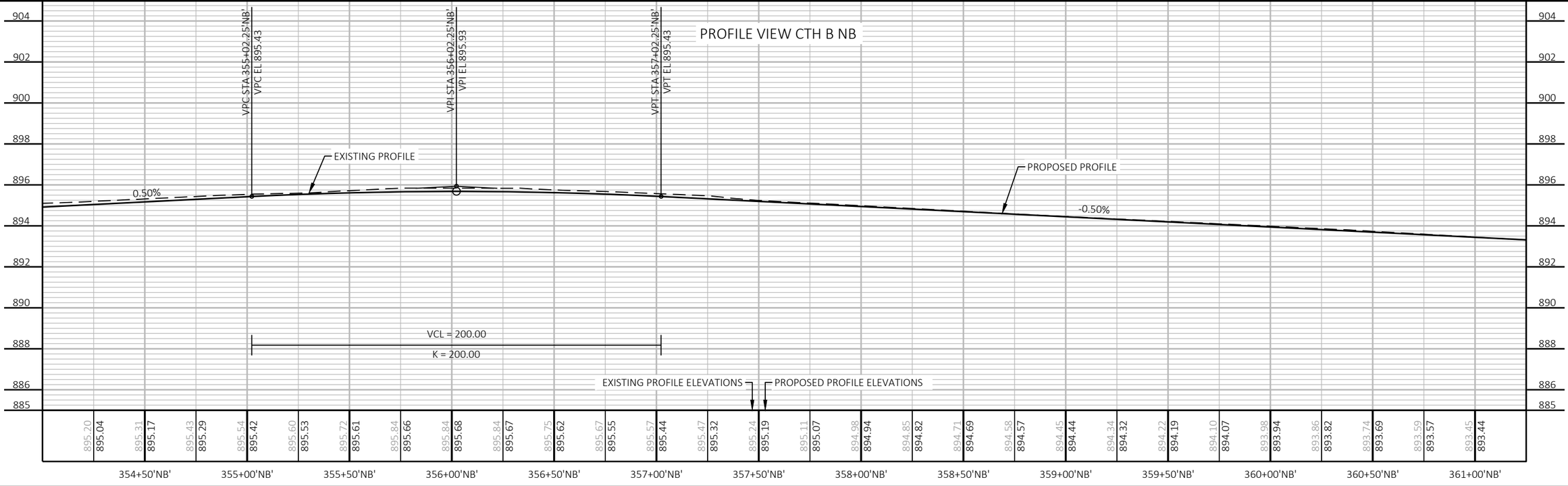
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN AND PROFILE: CTH B NB	SHEET 267	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - P&P - (1) NB

PLOT DATE : 7/24/2023 9:50 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44



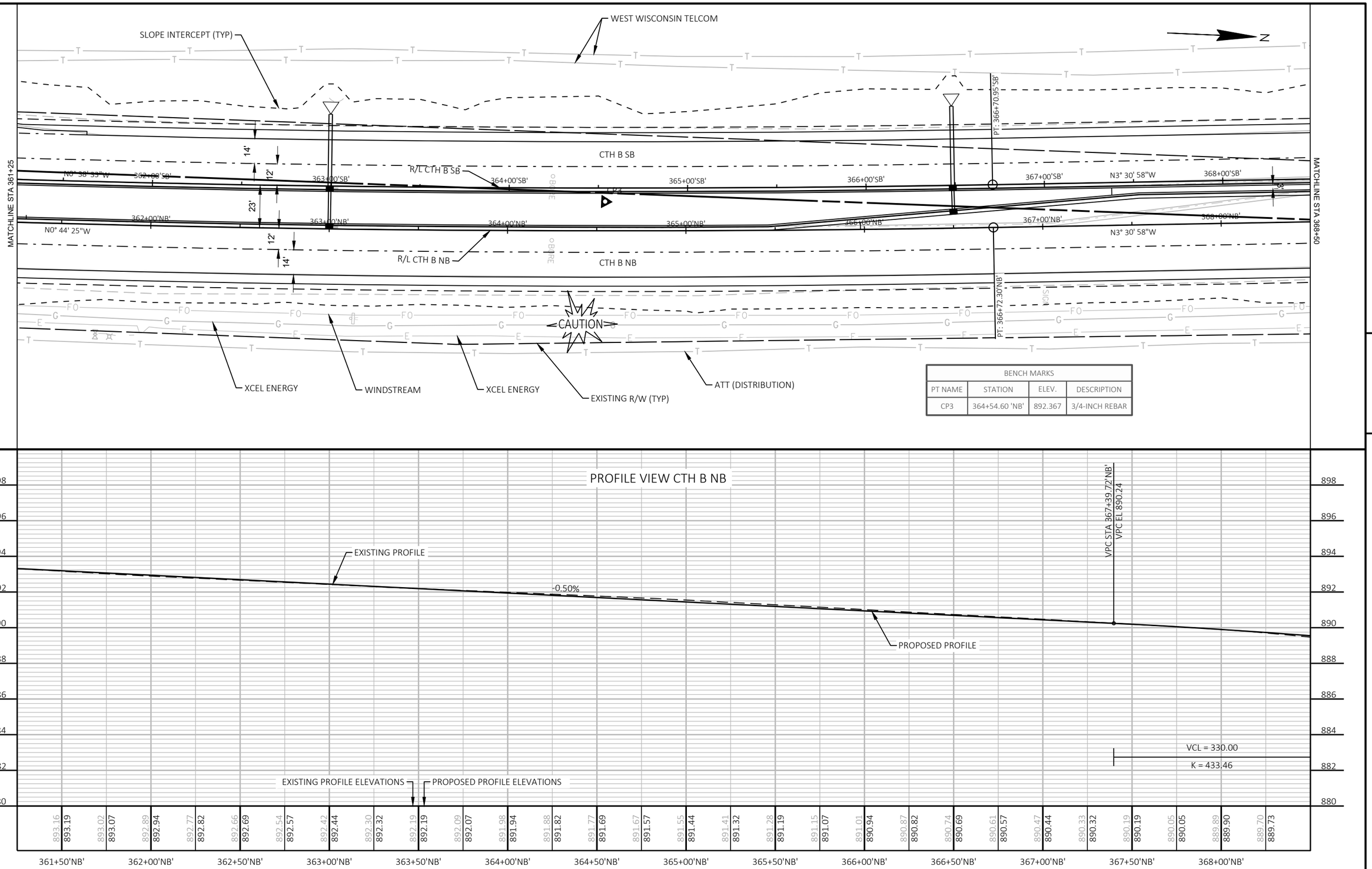


PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN AND PROFILE: CTH B NB	SHEET 268	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - P&P - (2) NB

PLOT DATE : 7/24/2023 9:50 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44



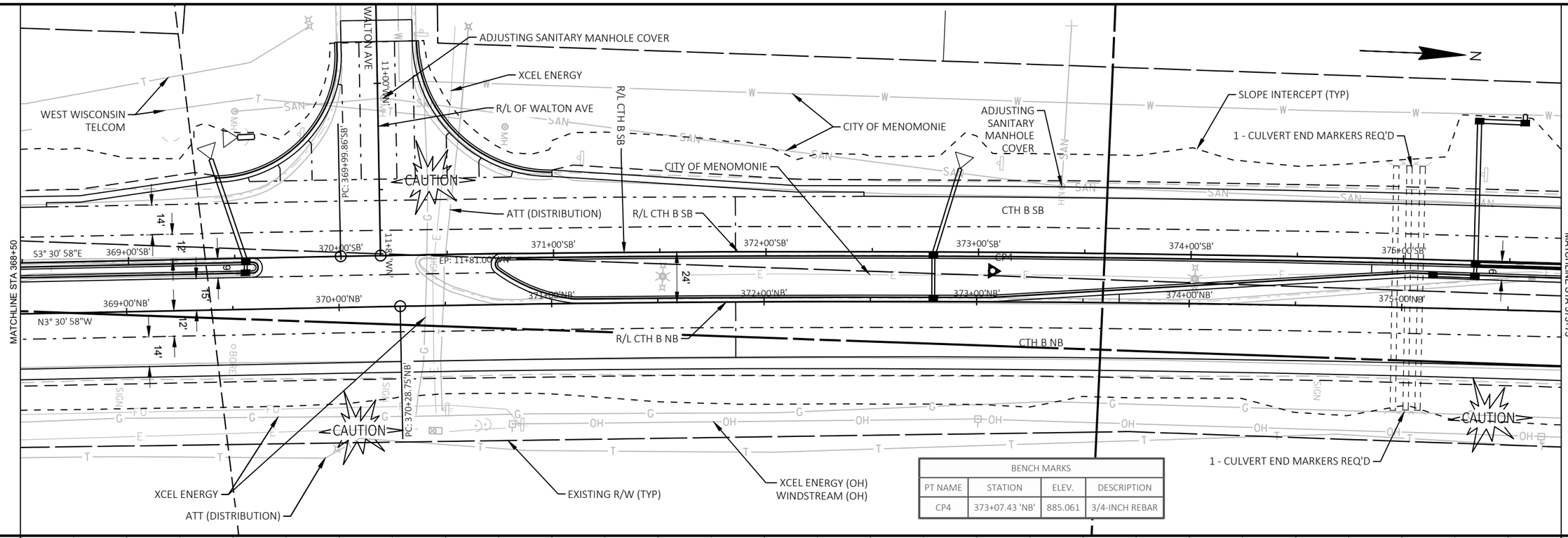
BENCH MARKS			
PT NAME	STATION	ELEV.	DESCRIPTION
CP3	364+54.60 'NB'	892.367	3/4-INCH REBAR

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN AND PROFILE: CTH B NB	SHEET 269 E

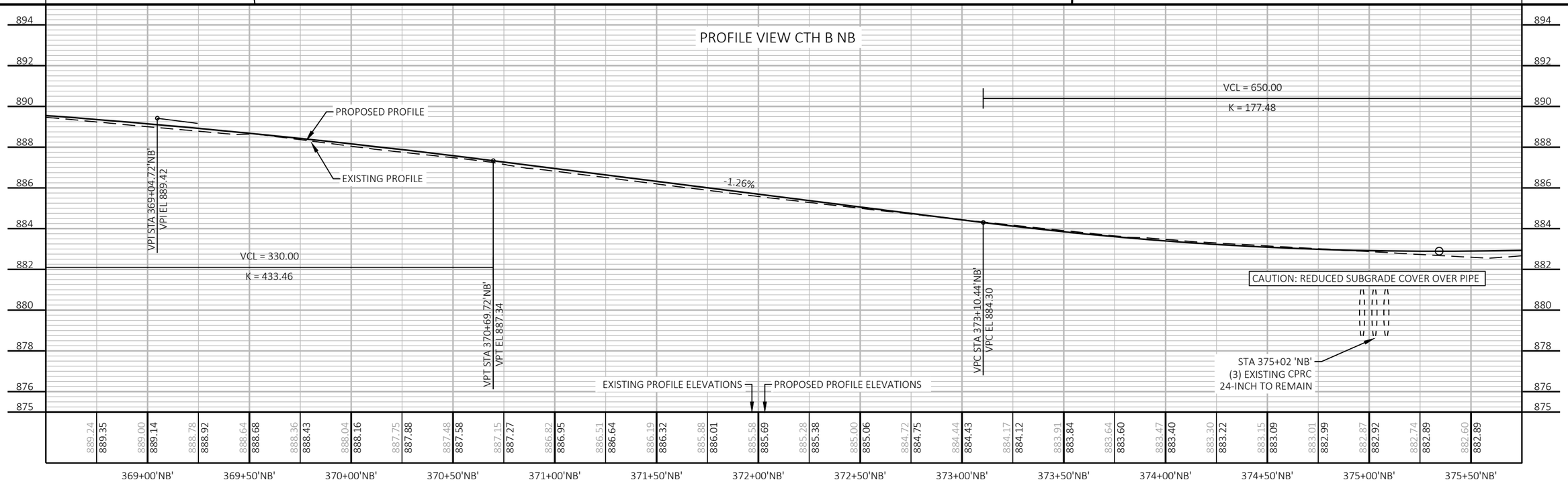
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LAYOUT NAME - P&P - (3) NB

PLOT DATE : 7/24/2023 9:50 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

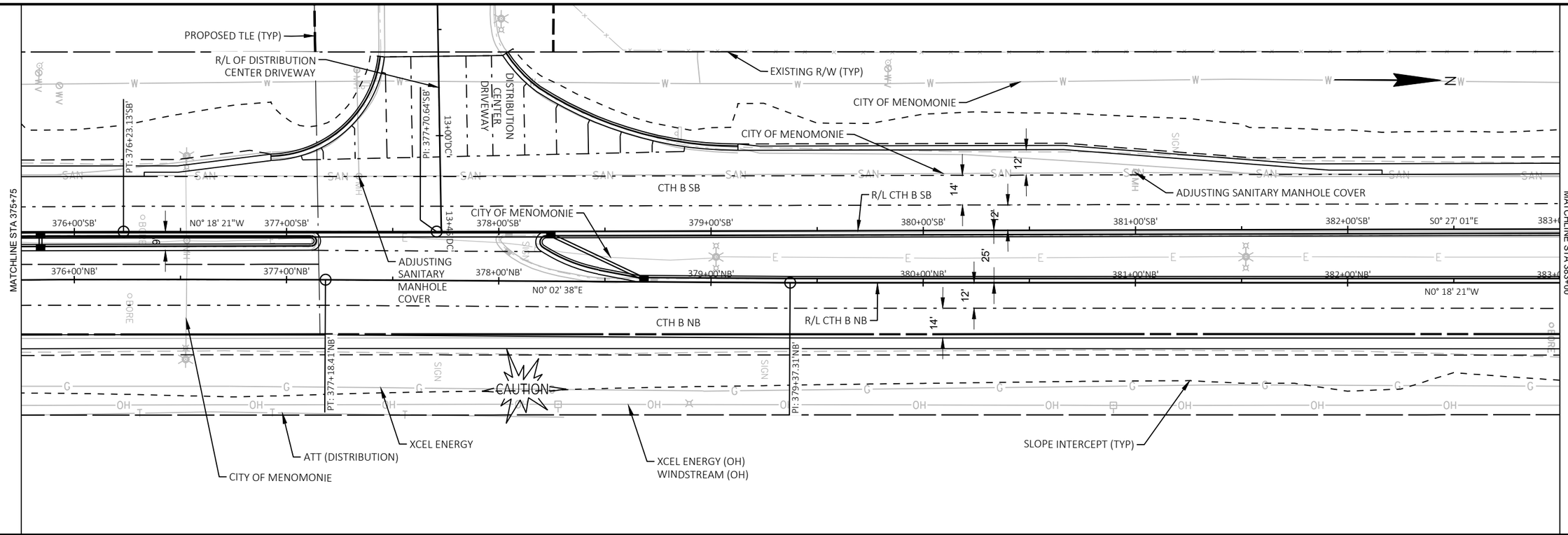


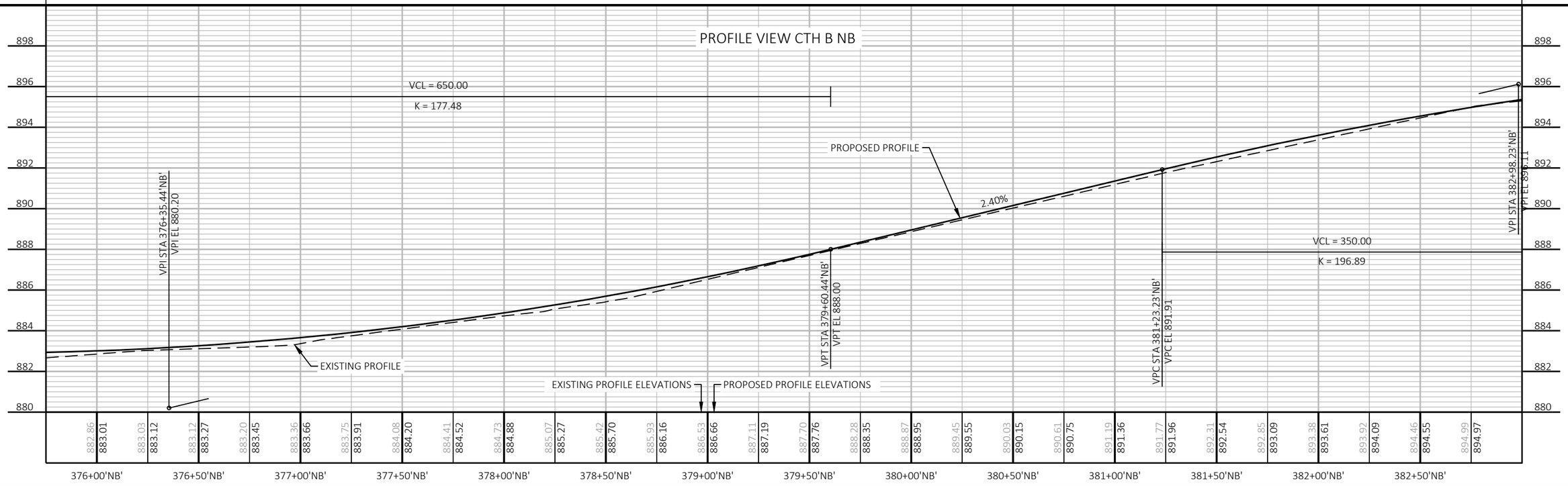
BENCH MARKS			
PT NAME	STATION	ELEV.	DESCRIPTION
CP4	373+07.43 'NB'	885.061	3/4-INCH REBAR



PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN AND PROFILE: CTH B NB	SHEET 270 E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - P&P - (4) NB
PLOT DATE : 7/24/2023 9:51 AM
PLOT BY : MATT PAYNE
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44



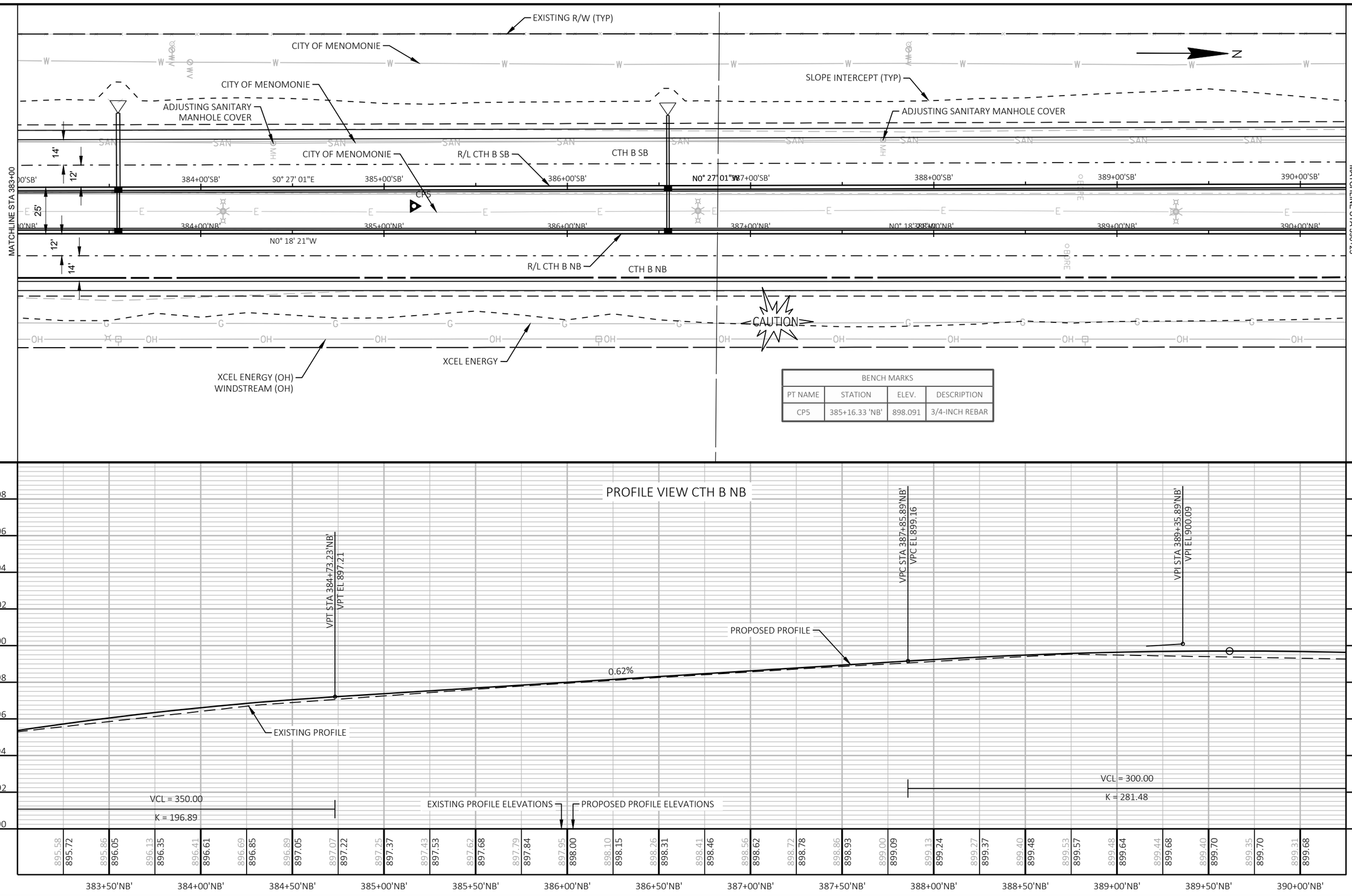


PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN AND PROFILE: CTH B NB	SHEET 271 E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - P&P - (5) NB

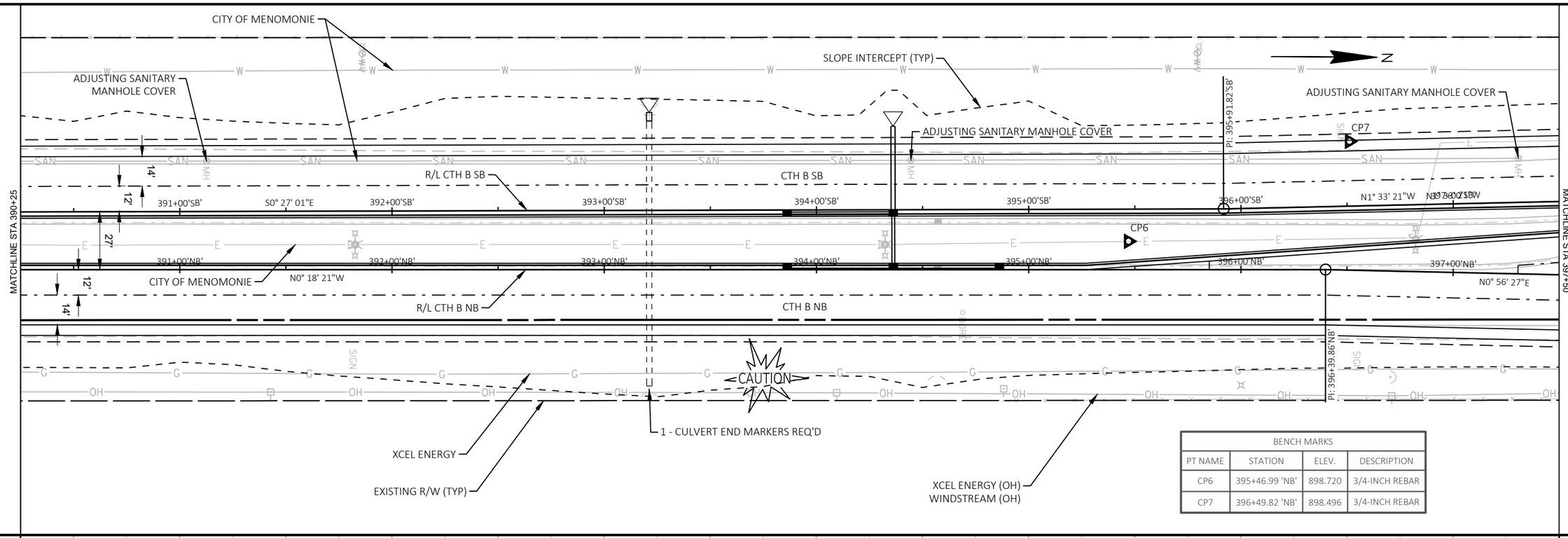
PLOT DATE : 7/24/2023 9:51 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

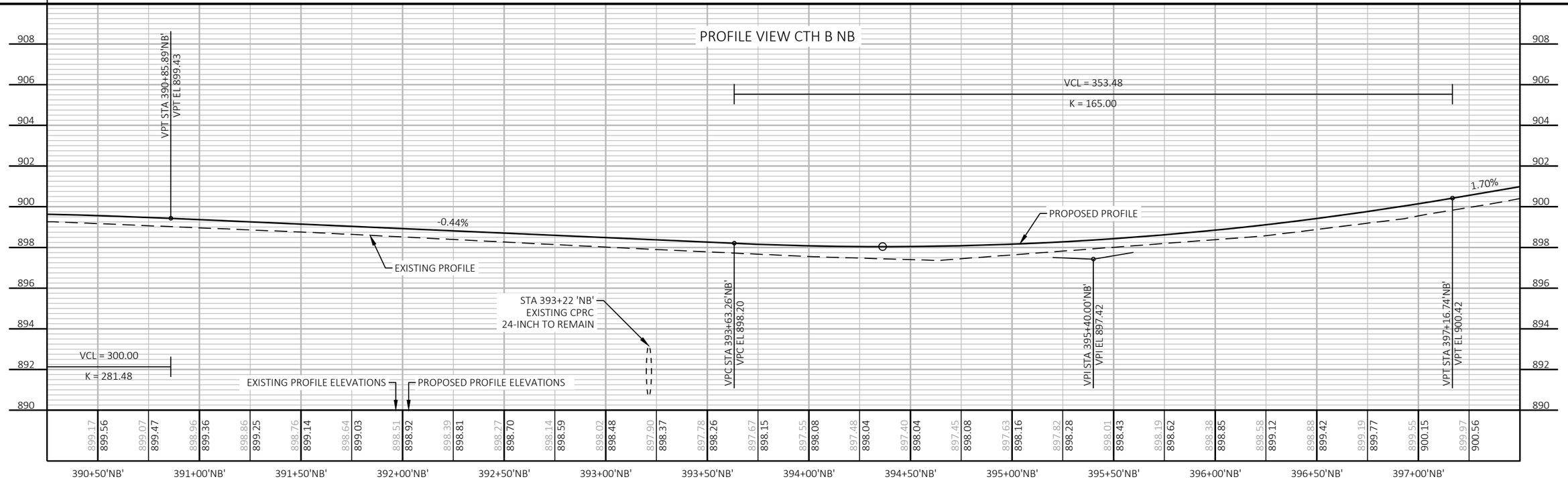


BENCH MARKS			
PT NAME	STATION	ELEV.	DESCRIPTION
CP5	385+16.33 'NB'	898.091	3/4-INCH REBAR

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN AND PROFILE: CTH B NB	SHEET 272	E



BENCH MARKS			
PT NAME	STATION	ELEV.	DESCRIPTION
CP6	395+46.99 'NB'	898.720	3/4-INCH REBAR
CP7	396+49.82 'NB'	898.496	3/4-INCH REBAR

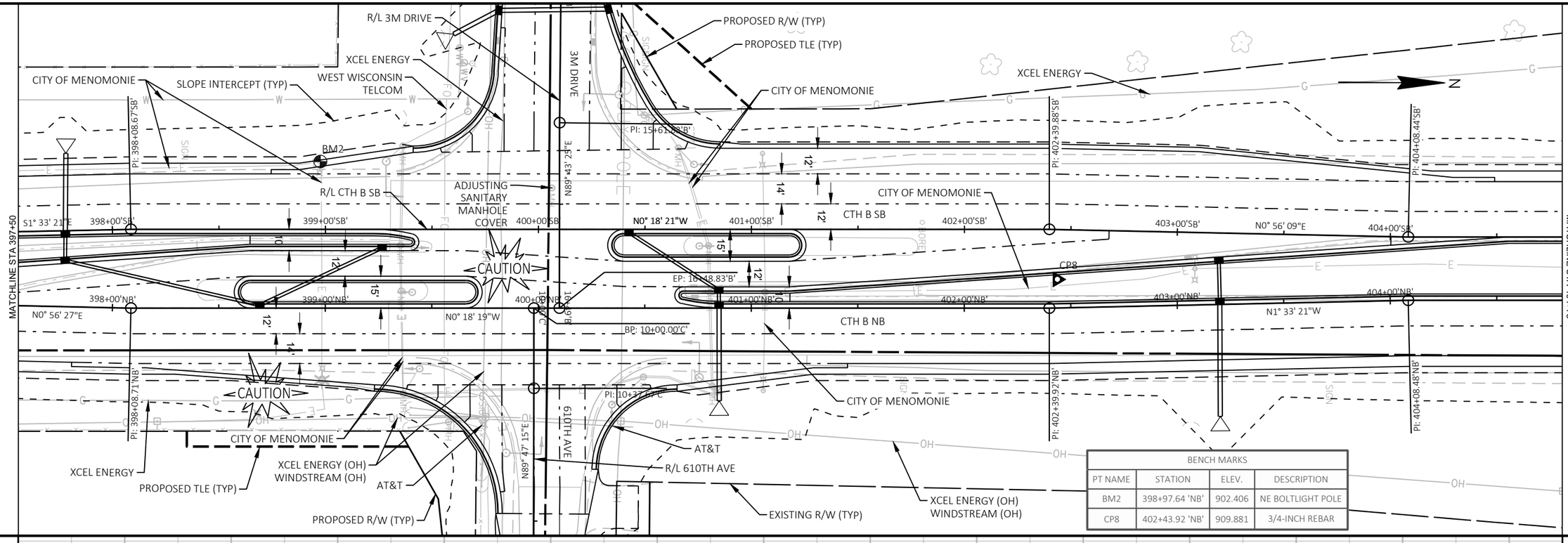


PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN AND PROFILE: CTH B NB	SHEET 273 E

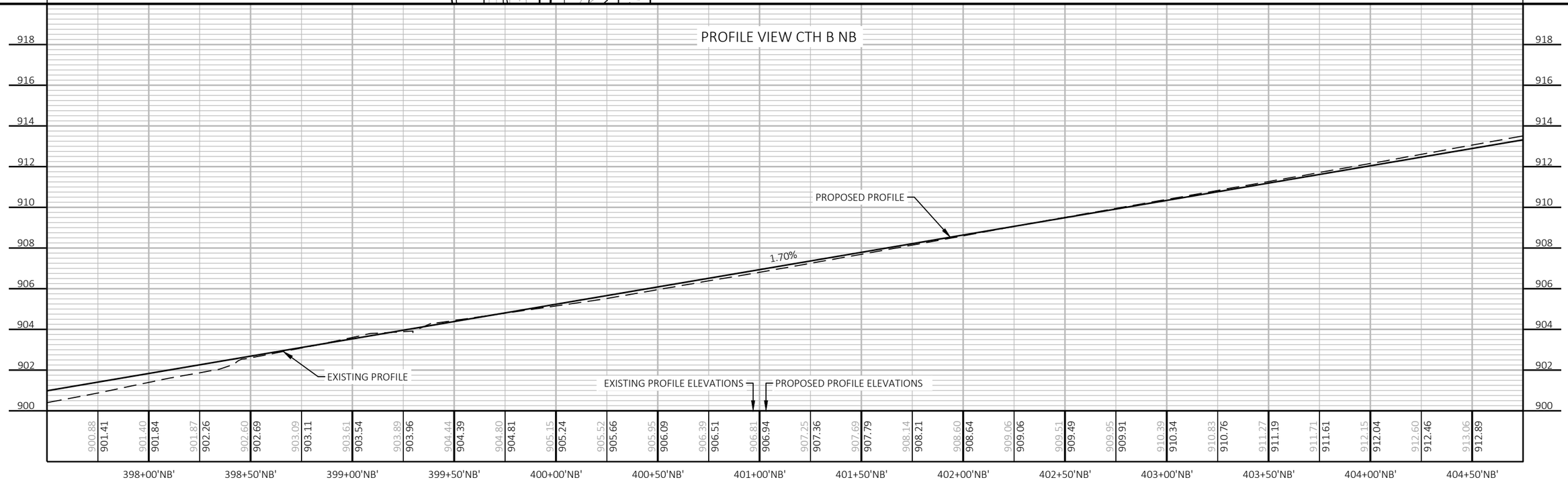
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - P&P - (7) NB

PLOT DATE : 7/24/2023 9:51 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44



BENCH MARKS			
PT NAME	STATION	ELEV.	DESCRIPTION
BM2	398+97.64 'NB'	902.406	NE BOLTLIGHT POLE
CP8	402+43.92 'NB'	909.881	3/4-INCH REBAR



PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN AND PROFILE: CTH B NB	SHEET 274 E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - P&P - (8) NB

PLOT DATE : 7/24/2023 9:51 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

MATCHLINE STA 404+75

XCEL ENERGY

SLOPE INTERCEPT (TYP)

R/L CTH B SB

CTH B SB

12'

12'

405+00'SB' 406+00'SB' 407+00'SB' 408+00'SB' N0° 18' 42"W 409+00'SB' 410+00'SB' 411+00'SB' 412+00'SB'

405+00'NB' 406+00'NB' 407+00'NB' 408+00'NB' 409+00'NB' 410+00'NB' 411+00'NB' 412+00'NB'

CP9

30'

CITY OF MENOMONIE

R/L CTH B NB

CTH B NB

N0° 18' 21"W

12'

14'

12'

WISDOT

WISDOT ITS

CENTURYLINK

IH 94 EB OFF-RAMP

WISDOT

WISDOT

WISDOT

CITY OF MENOMONIE

FINAL TRAFFIC CONTROL STAGE 4 RESTORATION

WISDOT ITS

TEMPORARY WIDENING SLOPE INTERCEPT (TYP)

IH 94 EB ON-RAMP

END PROJECT
STA 409+70.13 'NB'
MATCH EXISTING
SAW CUT REQ'D

WISDOT

WINDSTREAM

EXISTING R/W (TYP)

N

BENCH MARKS			
PT NAME	STATION	ELEV.	DESCRIPTION
CP9	408+82.04 'NB'	920.744	3/4-INCH REBAR

5

5

PROFILE VIEW CTH B NB

928 926 924 922 920 918 916 914 912 910

STA 410+35.21
EL 922.84

END CONSTRUCTION
STA 409+70.13 'NB'
MATCH EXISTING
SAW CUT REQ'D

PROPOSED PROFILE

1.70%

EXISTING PROFILE

EXISTING PROFILE ELEVATIONS

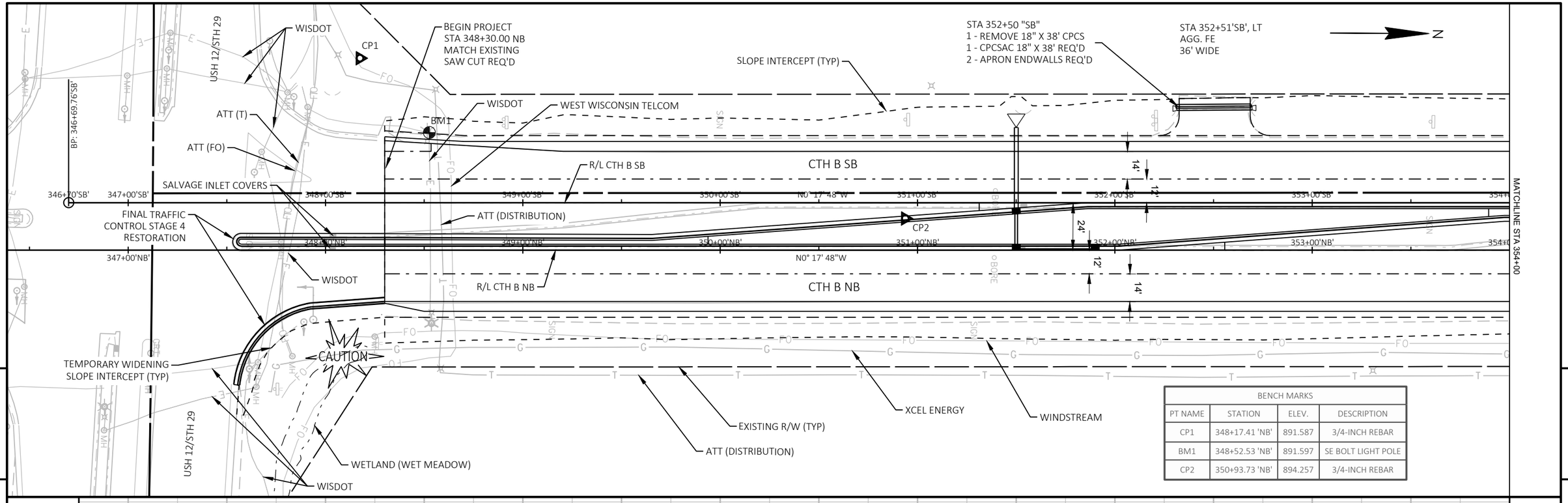
PROPOSED PROFILE ELEVATIONS

405+00'NB'	405+50'NB'	406+00'NB'	406+50'NB'	407+00'NB'	407+50'NB'	408+00'NB'	408+50'NB'	409+00'NB'	409+50'NB'	410+00'NB'	410+50'NB'	411+00'NB'	411+50'NB'
913.96	913.74	914.40	914.16	914.80	914.59	915.21	915.01	915.62	915.44	916.03	915.86	916.44	916.29
916.84	916.71	917.25	917.14	917.66	917.56	918.07	917.99	918.48	918.41	918.89	918.84	919.29	919.26
919.70	919.69	920.11	920.11	920.52	920.54	920.94	920.96	921.36	921.39	921.79	921.81	922.24	922.24
922.69	922.66	923.05		923.41		923.37		923.83					

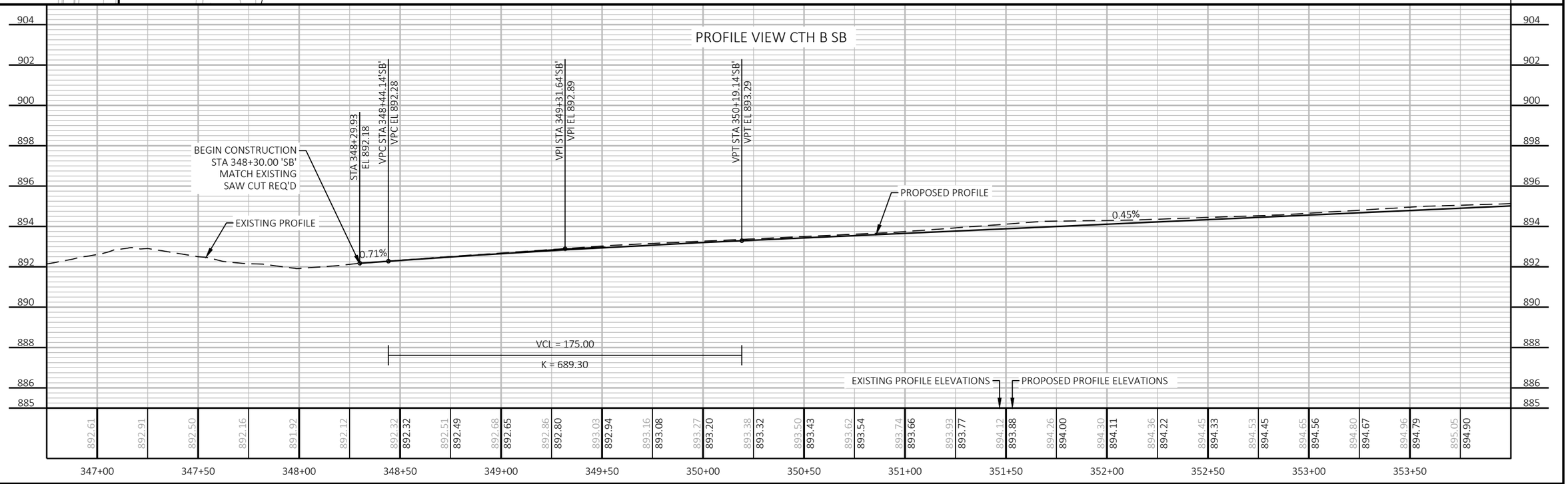
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN AND PLOT: CTH B NB	SHEET 275	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - P&P - (9) NB

PLOT DATE : 7/24/2023 9:51 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:50 FT



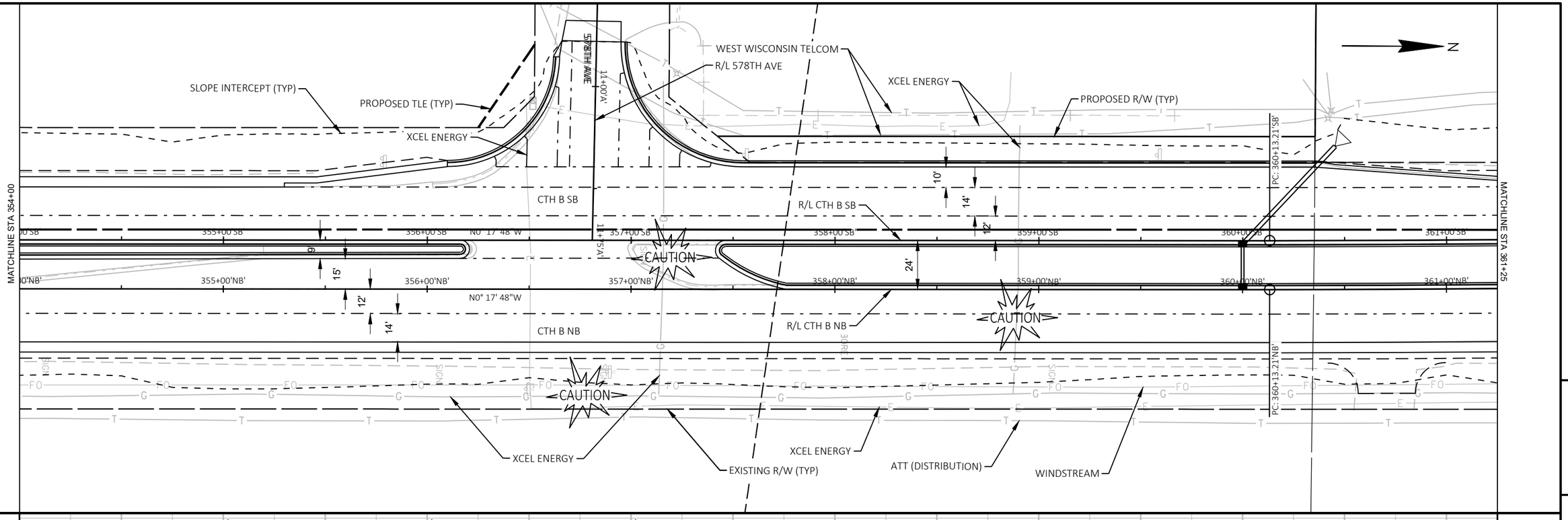
BENCH MARKS			
PT NAME	STATION	ELEV.	DESCRIPTION
CP1	348+17.41 'NB'	891.587	3/4-INCH REBAR
BM1	348+52.53 'NB'	891.597	SE BOLT LIGHT POLE
CP2	350+93.73 'NB'	894.257	3/4-INCH REBAR

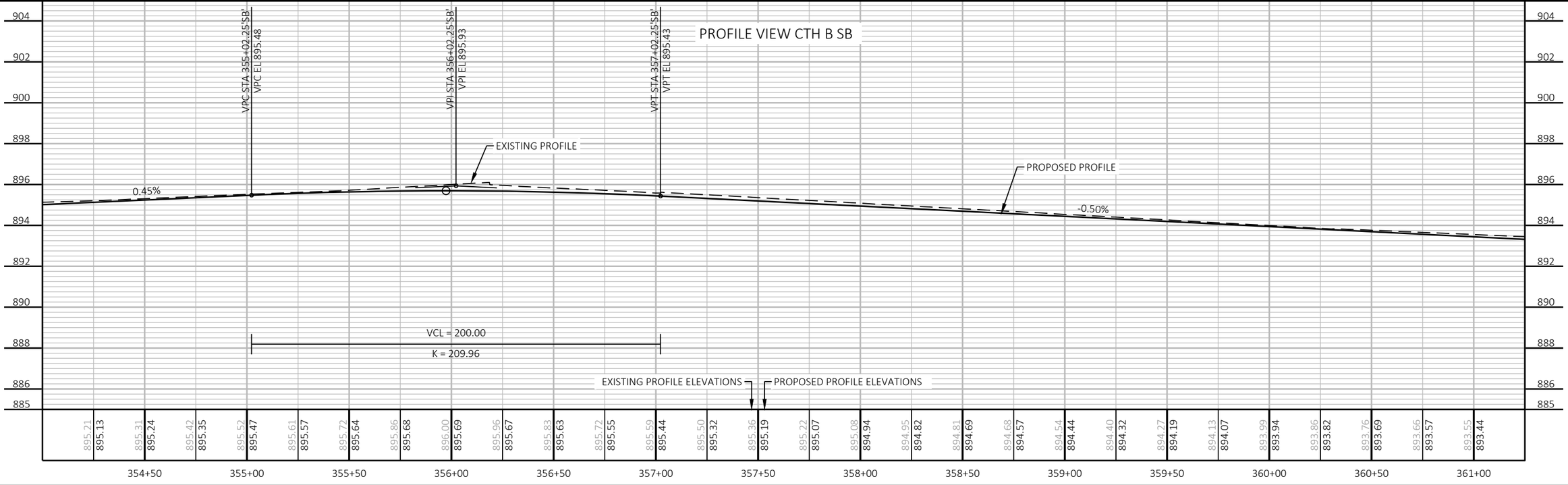


PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN AND PROFILE: CTH B SB	SHEET 276	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - P&P - (1) SB

PLOT DATE : 7/24/2023 9:51 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:50 FT



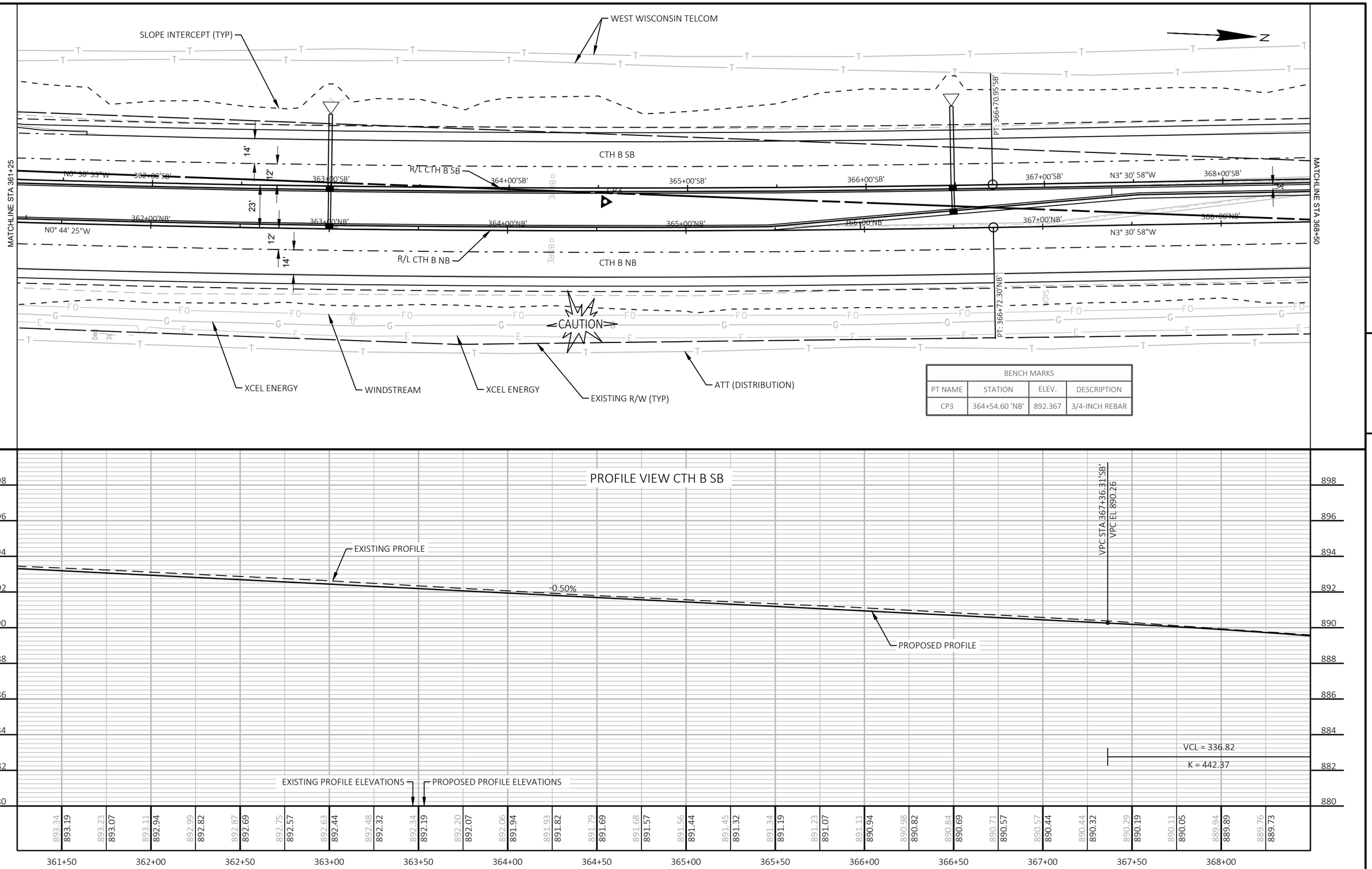


PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN AND PROFILE: CTH B SB	SHEET 277 E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - P&P - (2) SB

PLOT DATE : 7/24/2023 9:51 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:50 FT

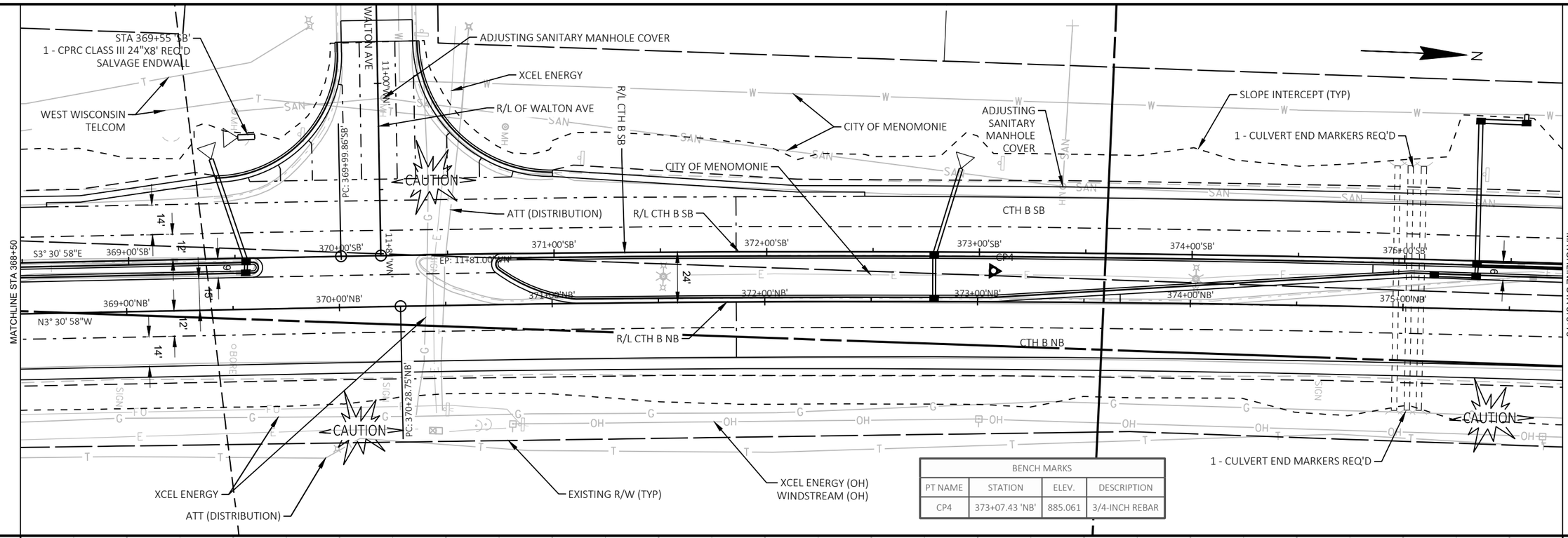
WISDOT/CADDS SHEET 44



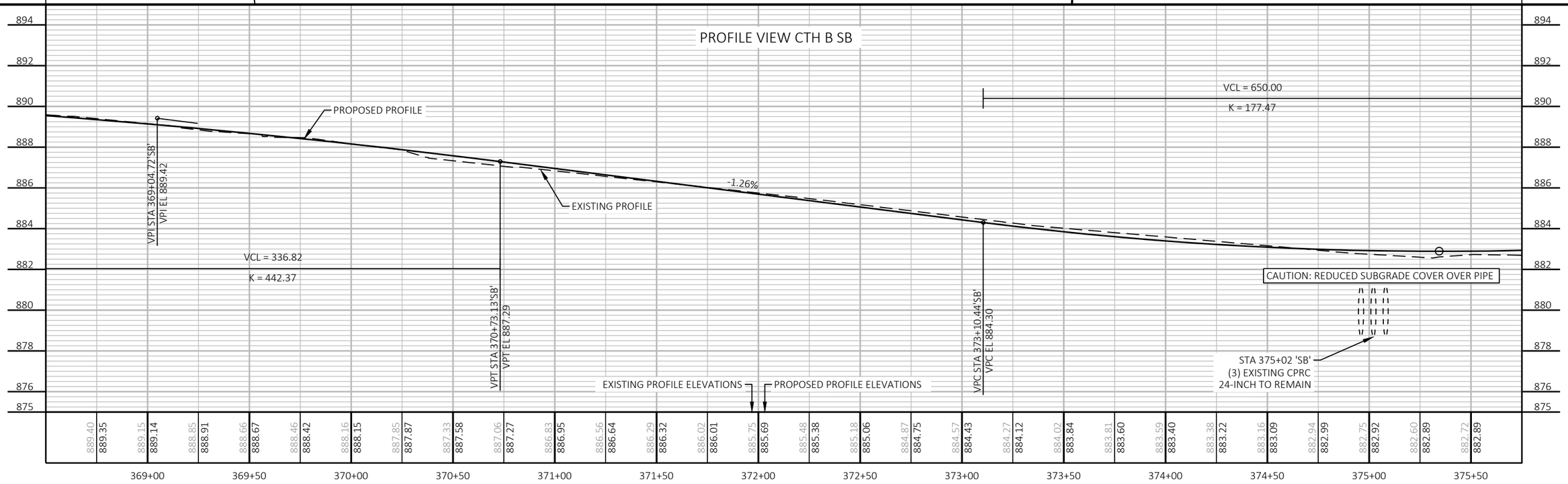
BENCH MARKS			
PT NAME	STATION	ELEV.	DESCRIPTION
CP3	364+54.60 'NB'	892.367	3/4-INCH REBAR

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN AND PROFILE: CTH B SB	SHEET 278 E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - P&P - (3) SB
PLOT DATE : 7/24/2023 9:51 AM
PLOT BY : MATT PAYNE
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

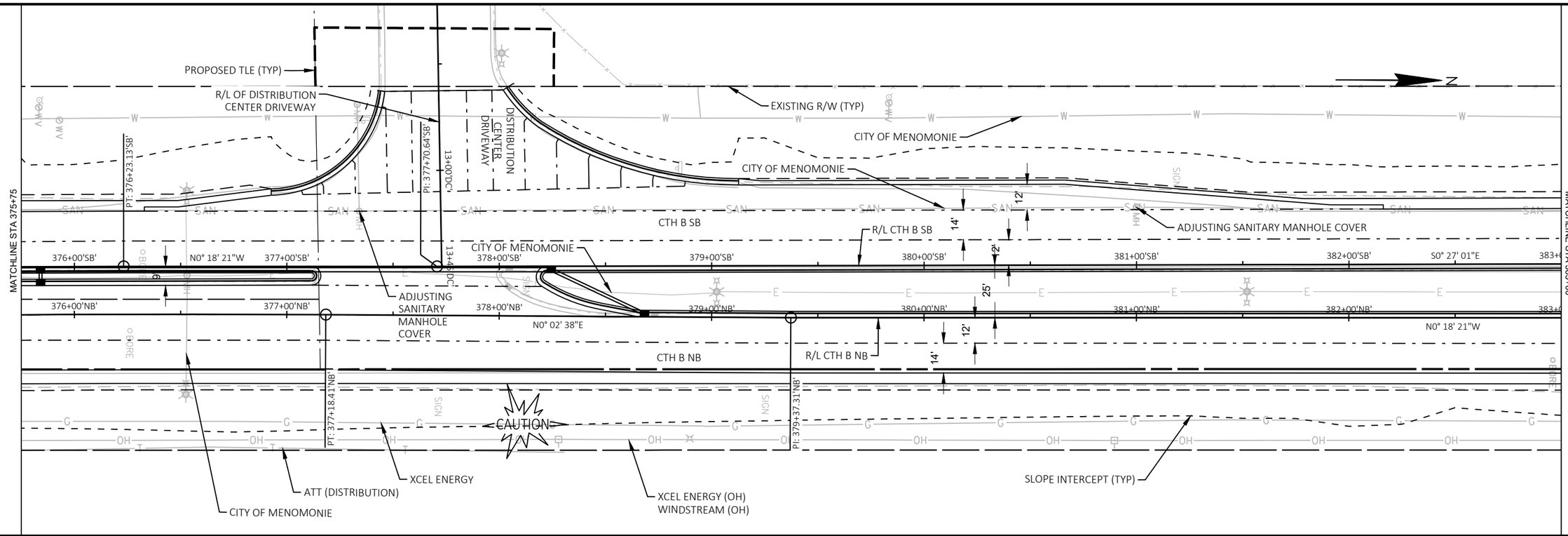


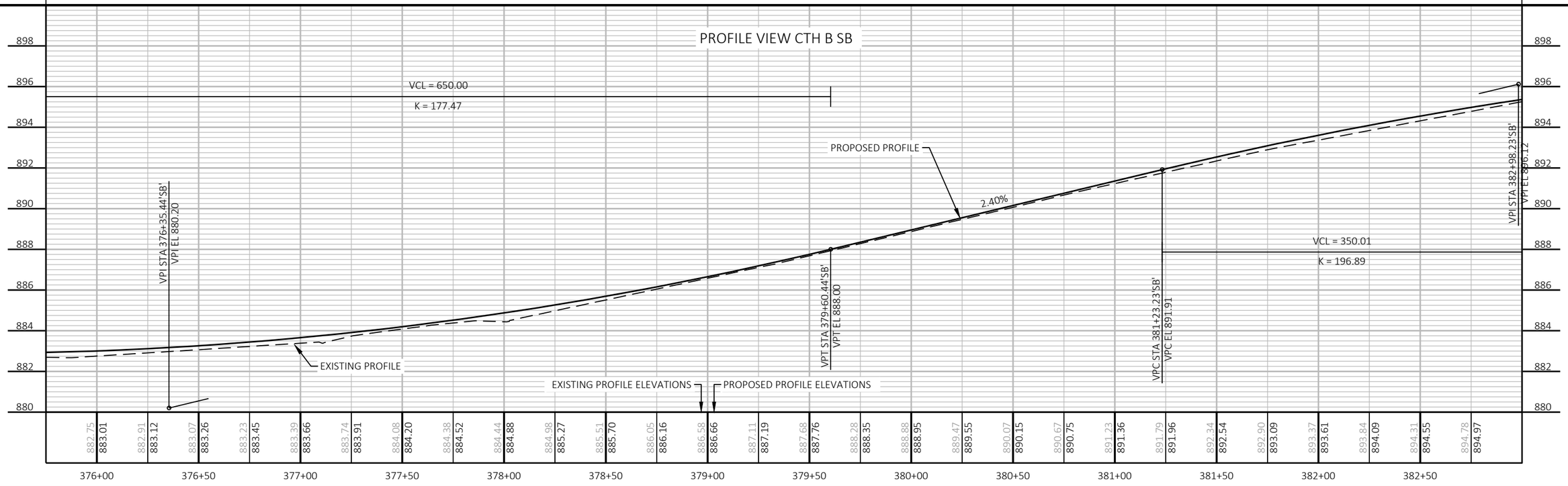
BENCH MARKS			
PT NAME	STATION	ELEV.	DESCRIPTION
CP4	373+07.43 'NB'	885.061	3/4-INCH REBAR



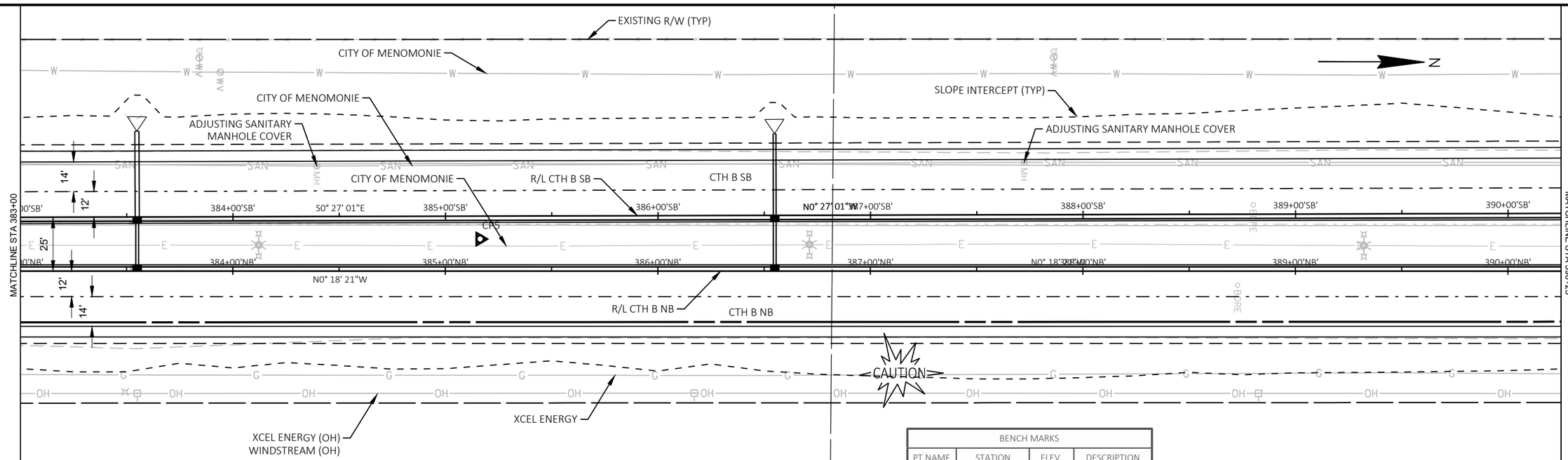
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN AND PROFILE: CTH B SB	SHEET 279	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - P&P - (4) SB
PLOT DATE : 7/24/2023 9:51 AM
PLOT BY : MATT PAYNE
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

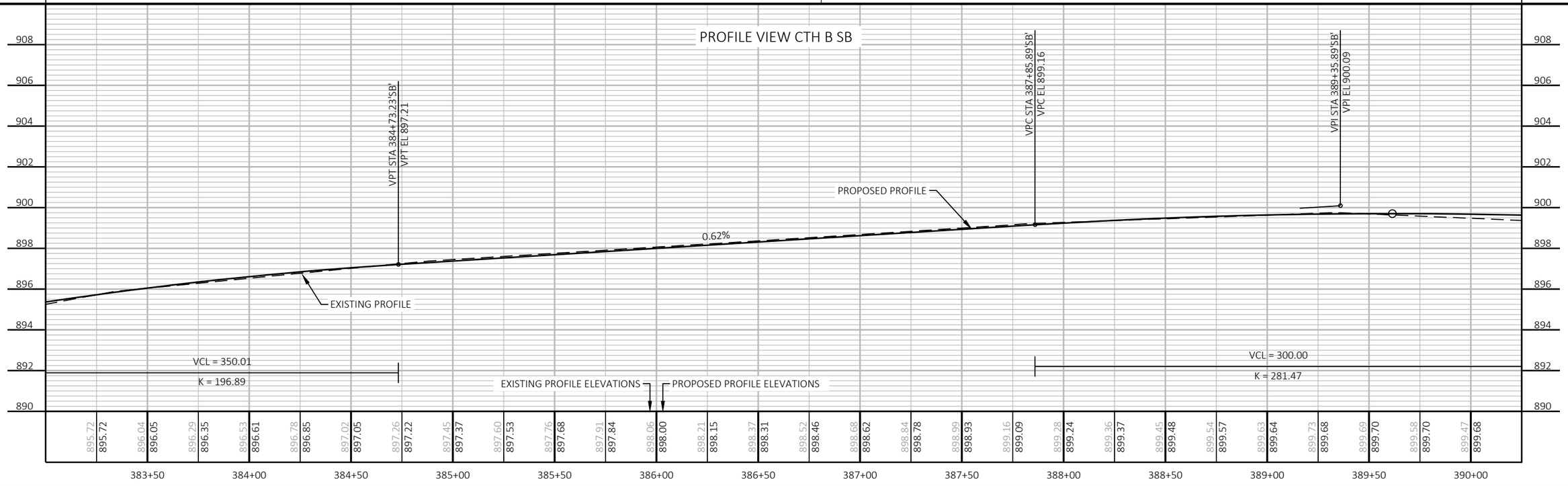




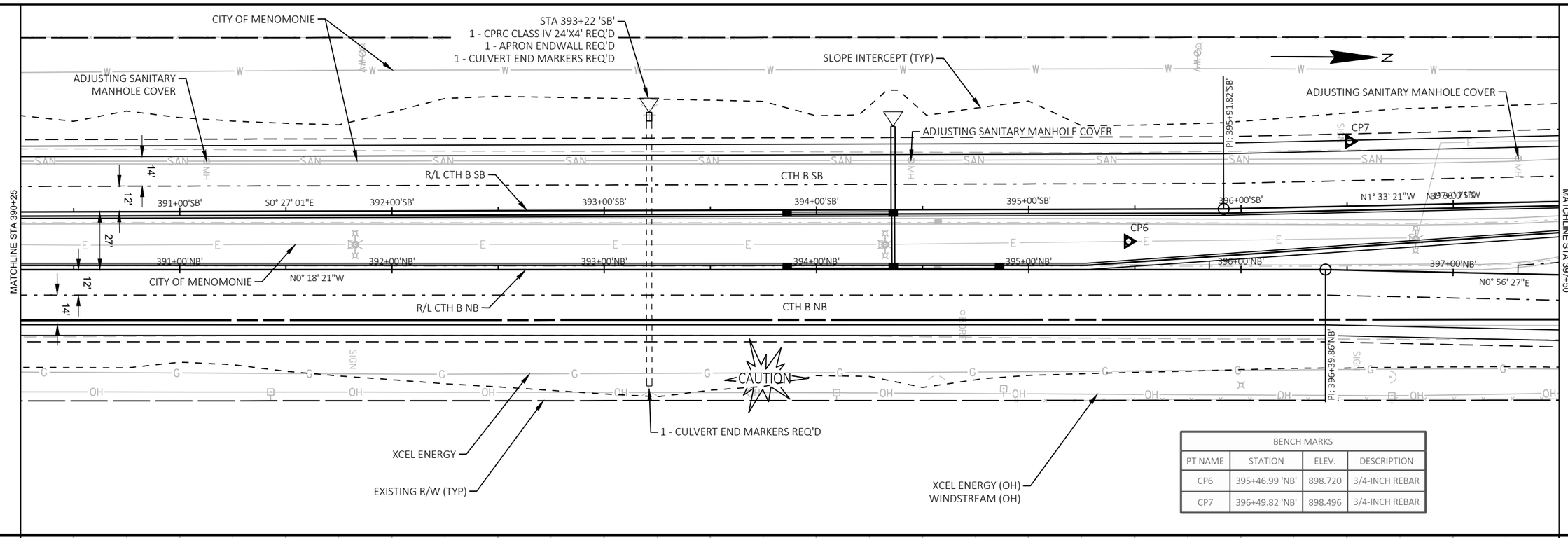
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN AND PROFILE: CTH B SB	SHEET 280	E



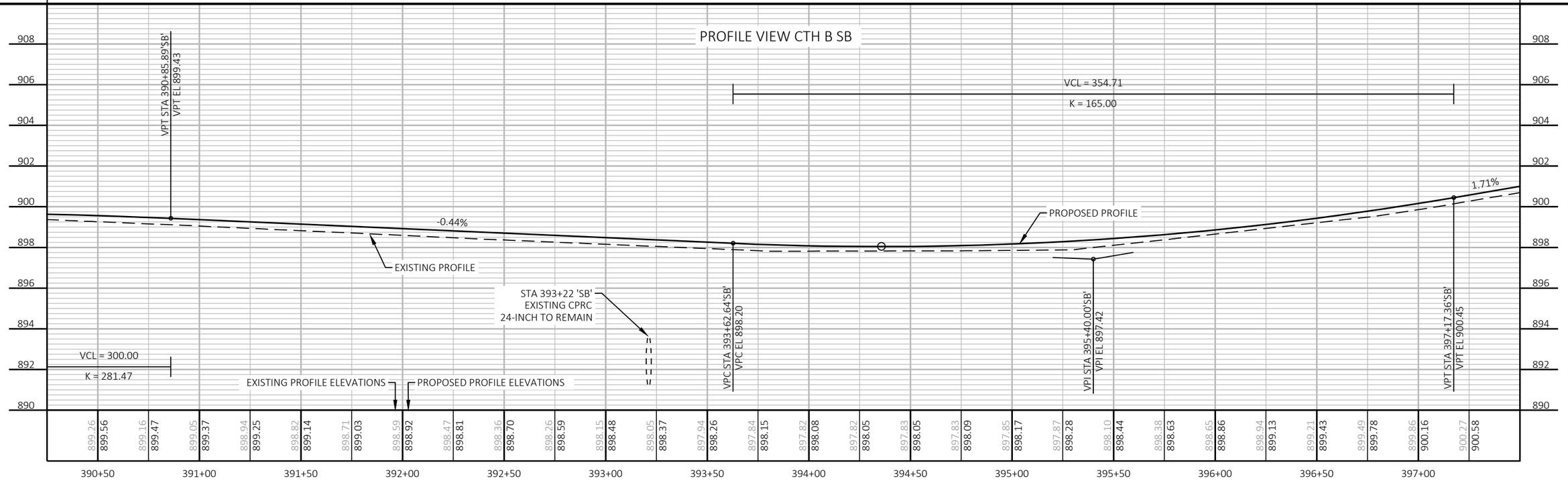
BENCH MARKS			
PT NAME	STATION	ELEV.	DESCRIPTION
CP5	385+16.33 'NB'	898.091	3/4-INCH REBAR



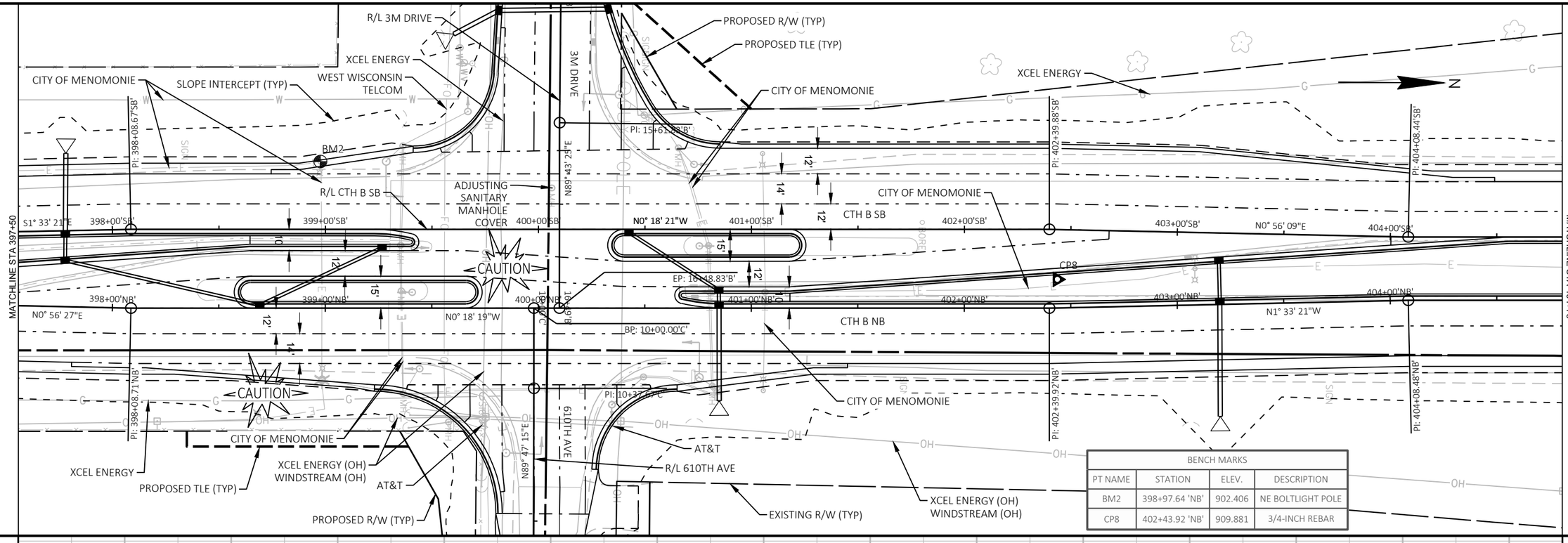
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN AND PROFILE: CTH B SB	SHEET 281	E



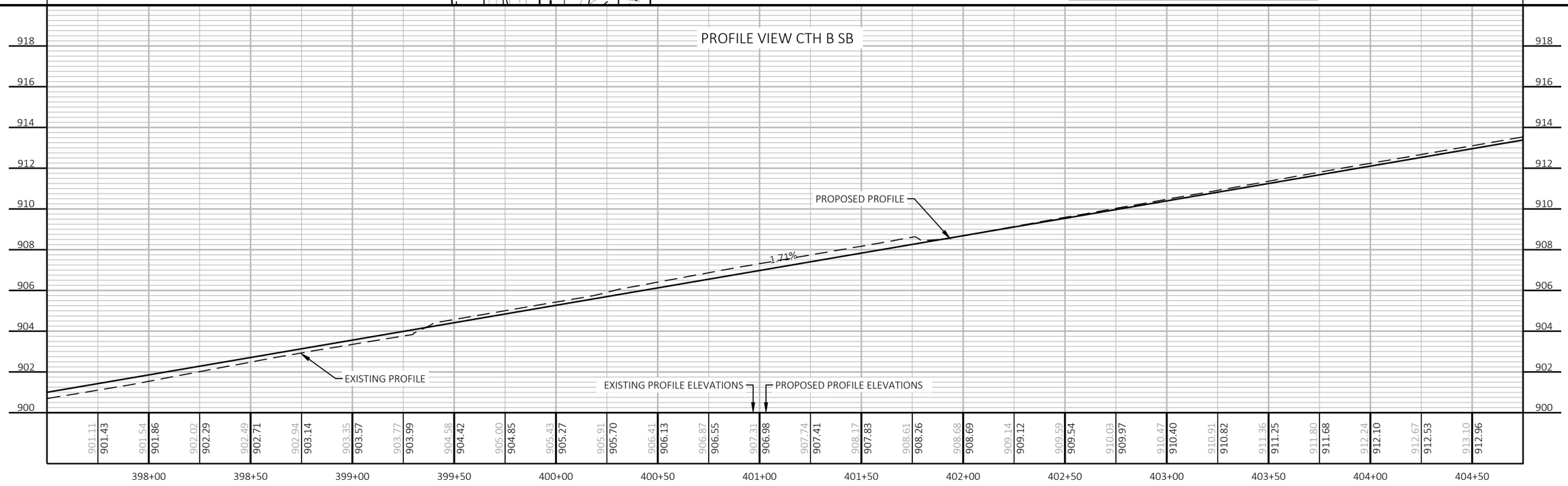
BENCH MARKS			
PT NAME	STATION	ELEV.	DESCRIPTION
CP6	395+46.99 'NB'	898.720	3/4-INCH REBAR
CP7	396+49.82 'NB'	898.496	3/4-INCH REBAR



PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN AND PROFILE: CTH B SB	SHEET 282	E



BENCH MARKS			
PT NAME	STATION	ELEV.	DESCRIPTION
BM2	398+97.64 'NB'	902.406	NE BOLTLIGHT POLE
CP8	402+43.92 'NB'	909.881	3/4-INCH REBAR

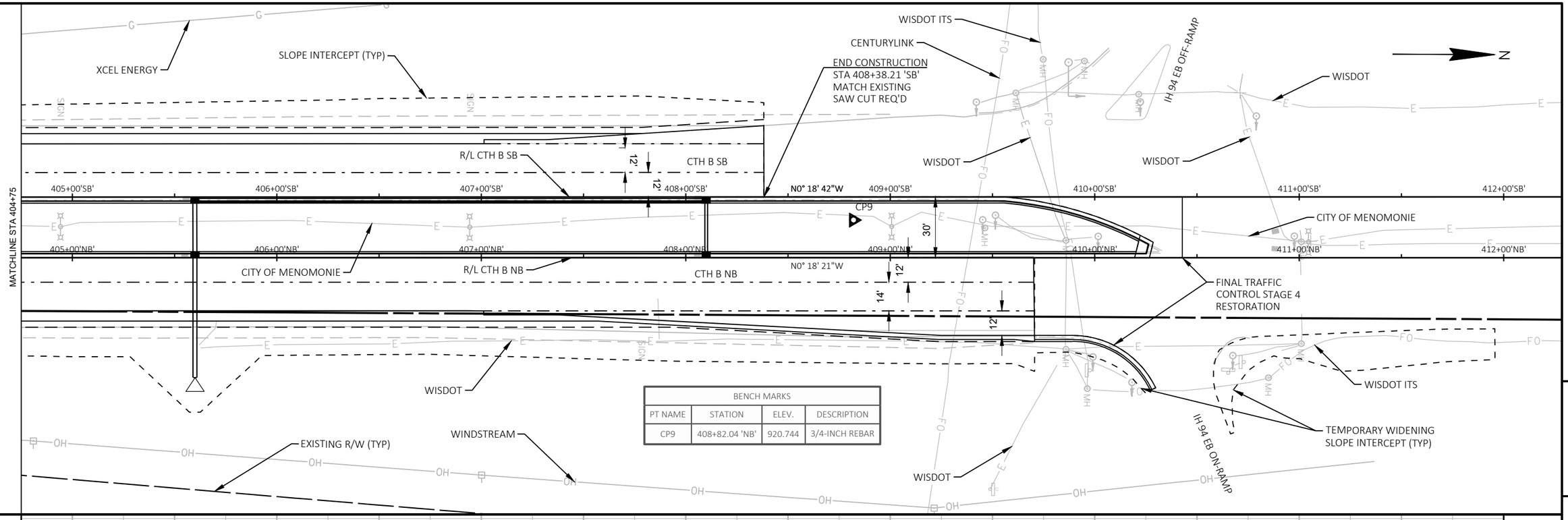


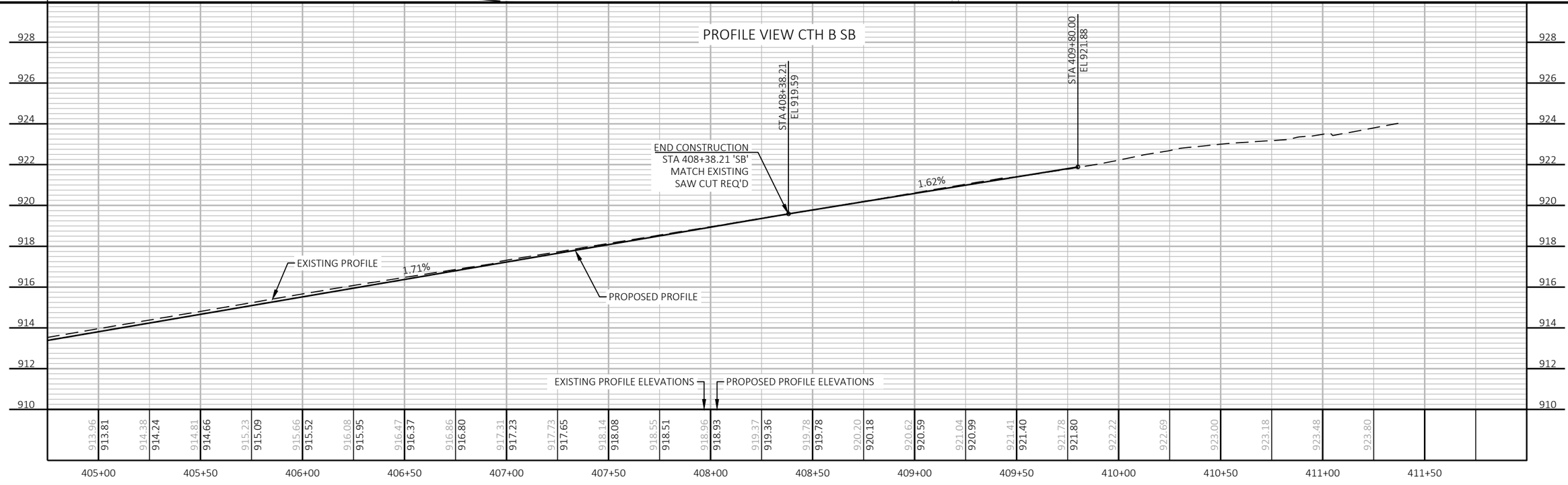
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN AND PROFILE: CTH B SB	SHEET 283	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - P&P - (8) SB

PLOT DATE : 7/24/2023 9:51 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44



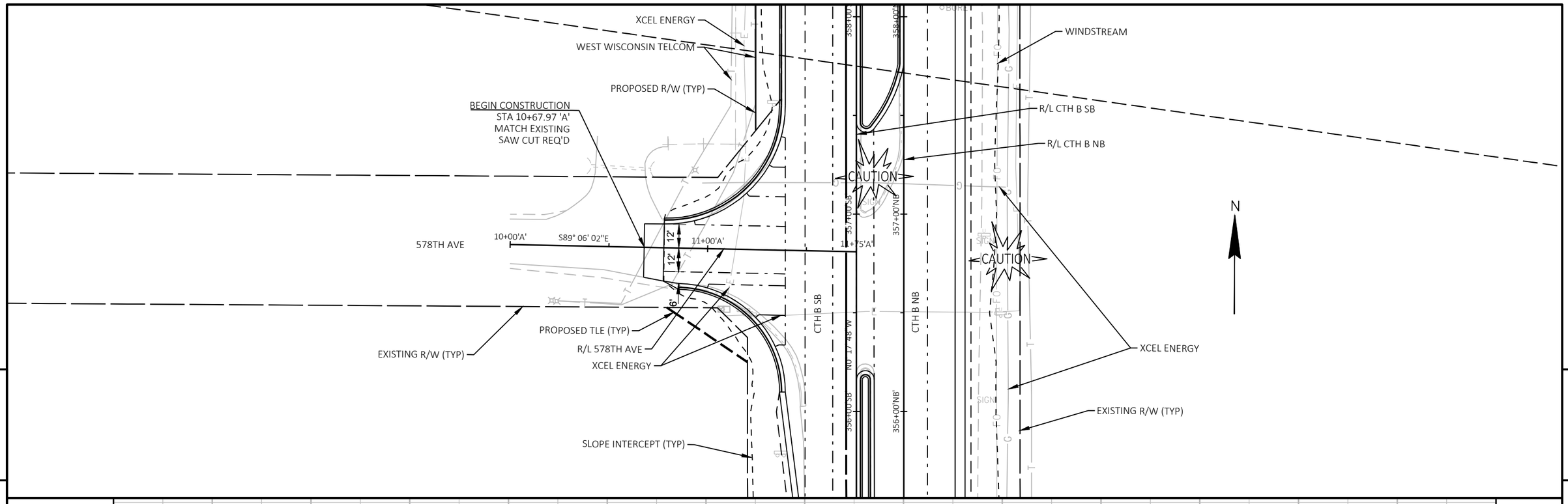


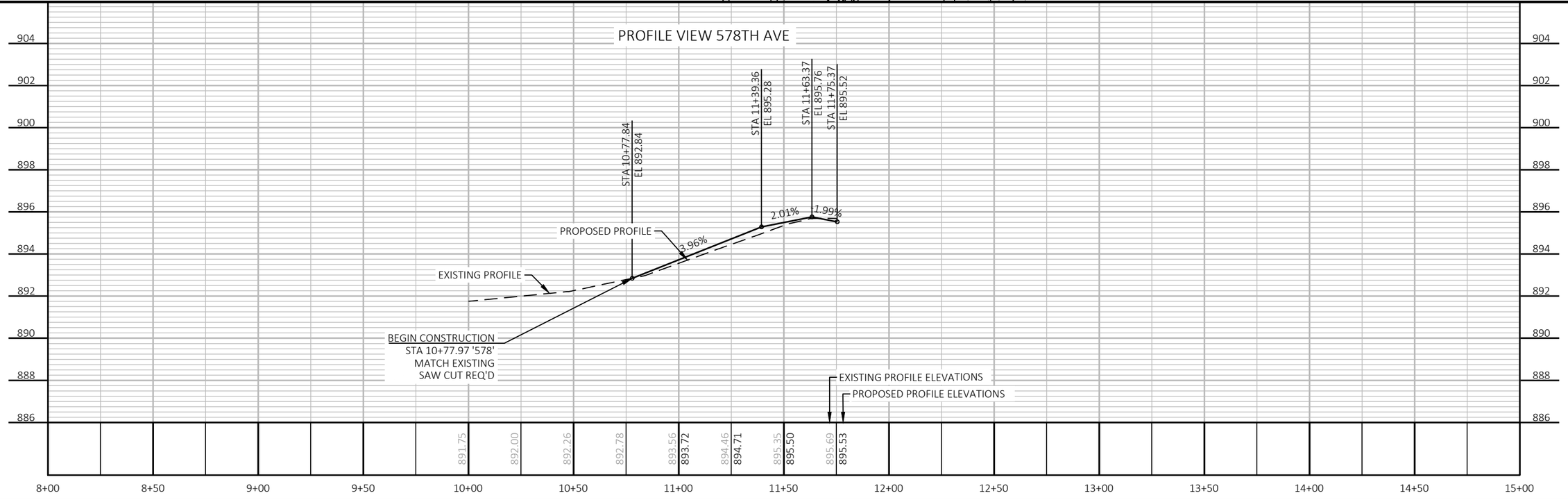
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN AND PROFILE: CTH B SB	SHEET 284	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - P&P - (9) SB

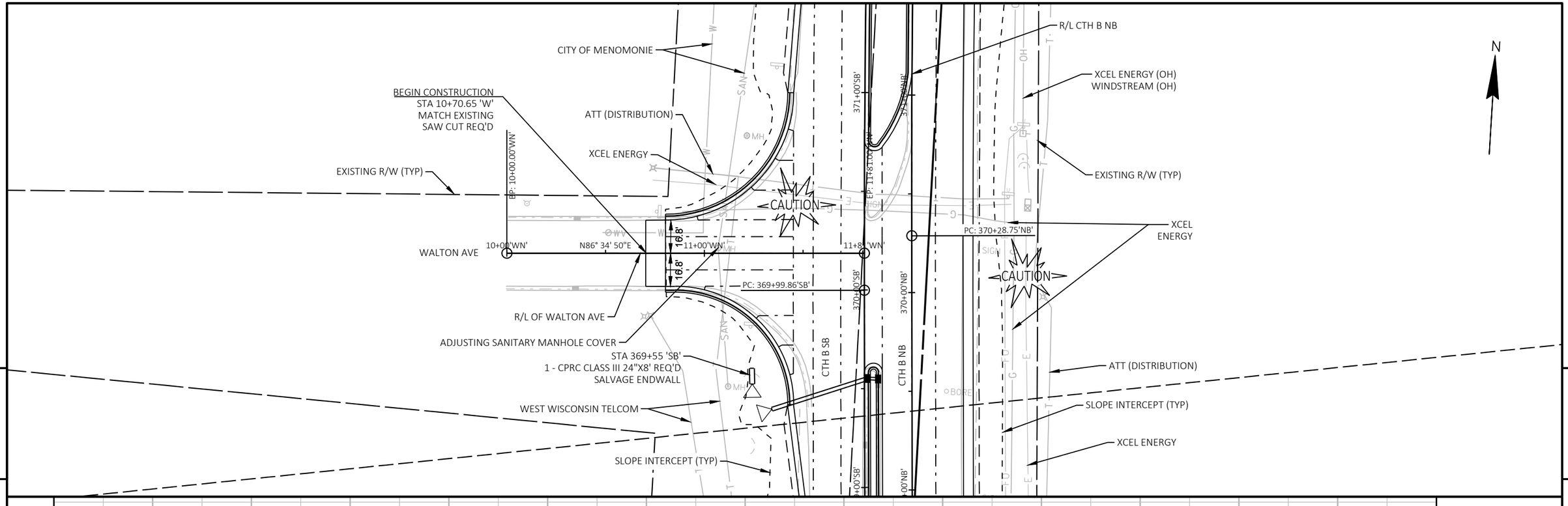
PLOT DATE : 7/24/2023 9:51 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44





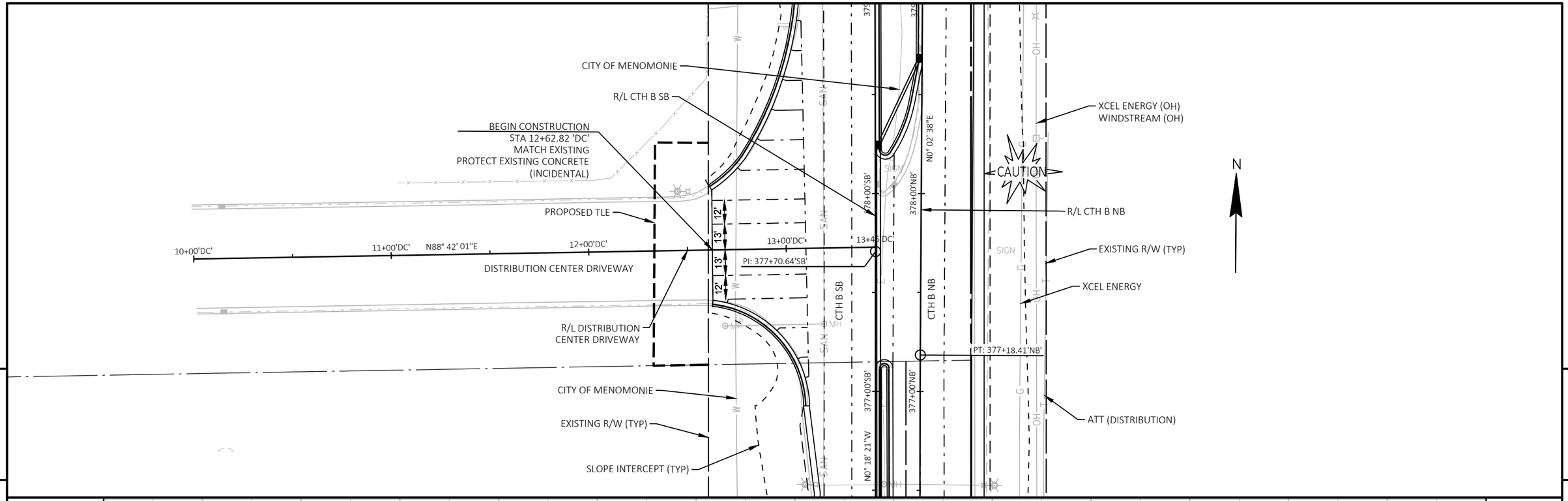
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN AND PROFILE: 578TH AVE	SHEET 285	E

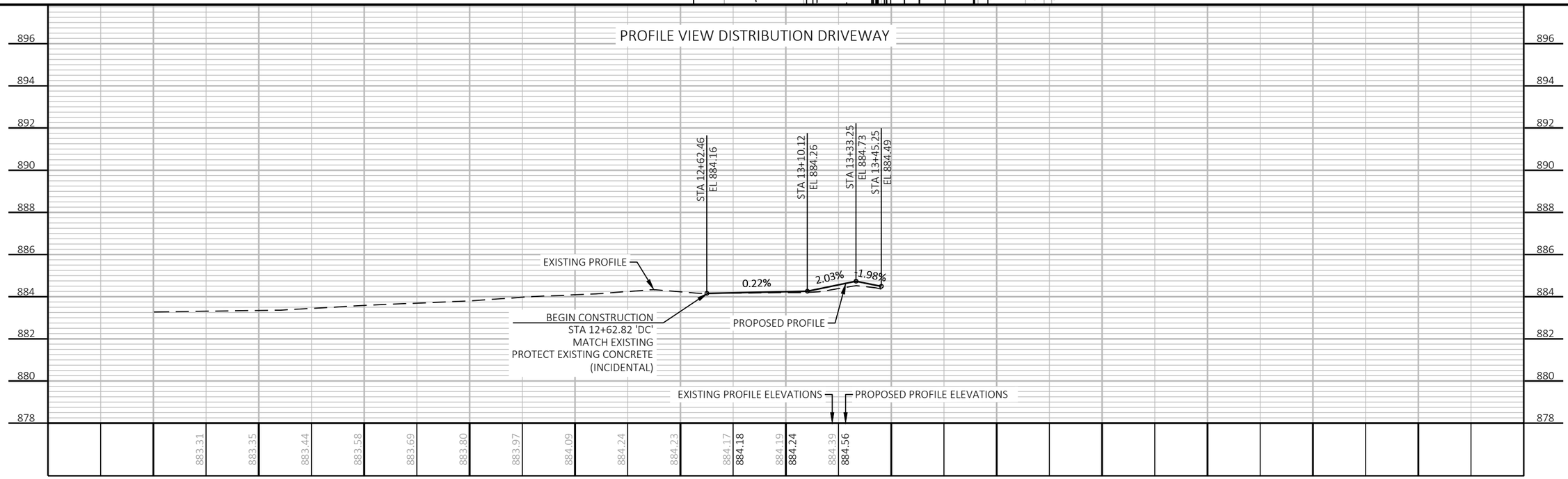


PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN AND PROFILE: WALTON AVE	SHEET 286	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - WALTON AVE

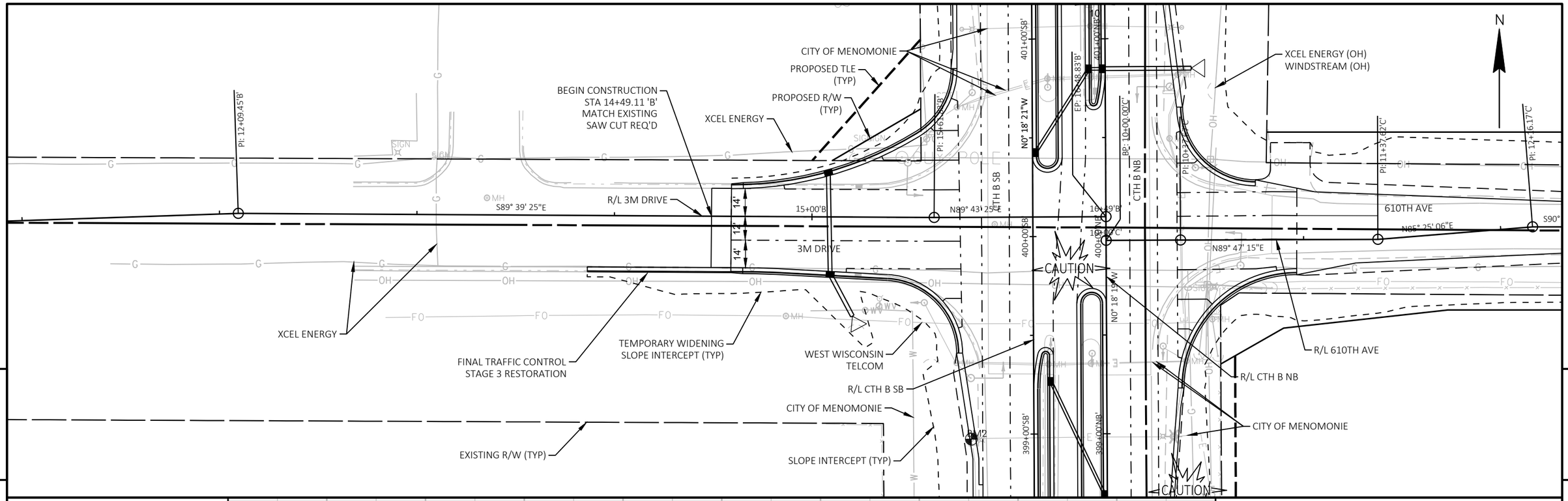
PLOT DATE : 7/24/2023 9:51 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:50 FT

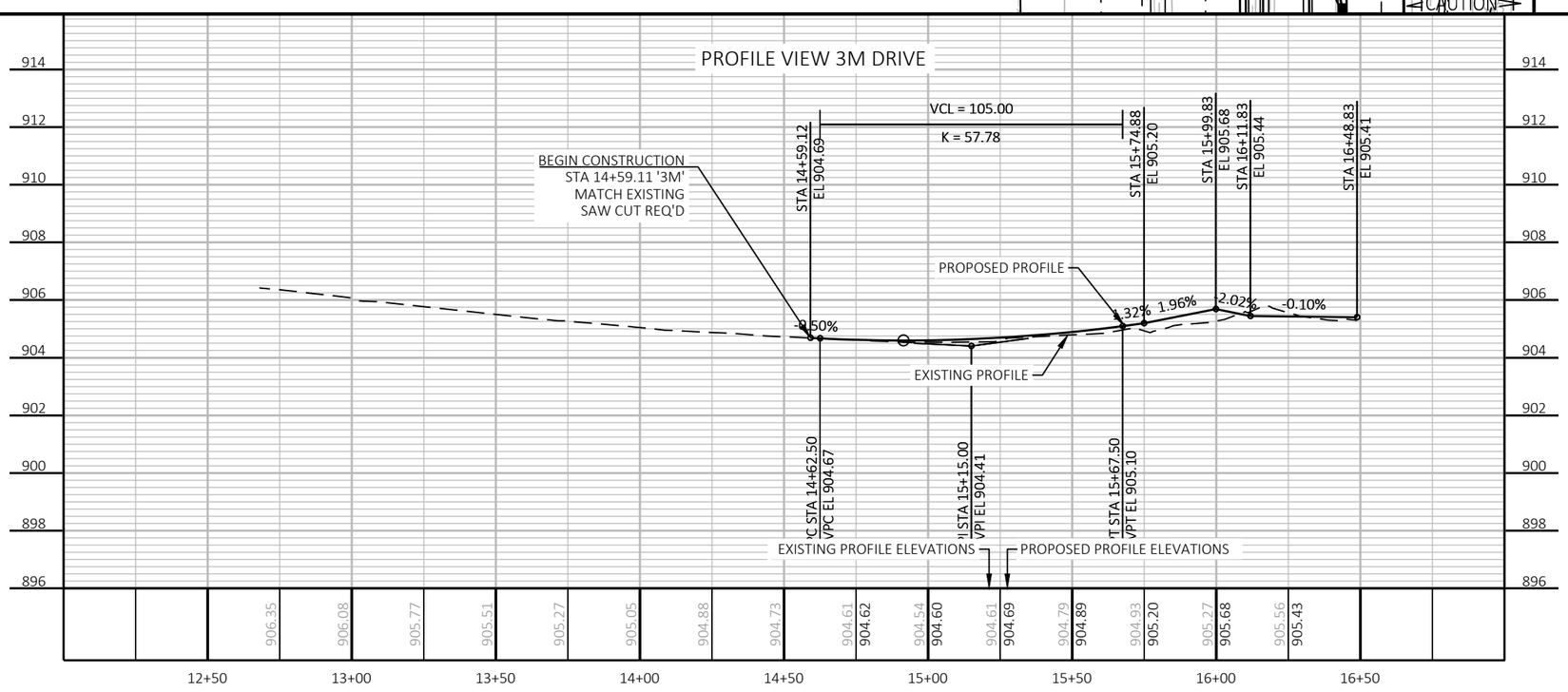




PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN AND PROFILE: DISTRIBUTION DRIVEWAY	SHEET 287	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - DISTRIBUTION DRIVEWAY
PLOT DATE : 7/24/2023 9:51 AM
PLOT BY : MATT PAYNE
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	PLAN AND PROFILE: 3M DR	SHEET 288	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 3M DR

PLOT DATE : 7/24/2023 9:51 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

CITY OF MENOMONIE

XCEL ENERGY (OH)
WINDSTREAM (OH)

STA 10+93'C', LT
AGG. FE
20' WIDE

PROPOSED R/W (TYP)

SLOPE INTERCEPT (TYP)

EXISTING R/W (TYP)

N

N0° 18' 21"W

EP: 10+68.83'B

BP: 10+00.00'C

PI: 10+93.24'B

PI: 11+37.62'C

PI: 12+16.17'C

PI: 12+75.26'C

PI: 15+57.89'C

15+00'B

N89° 43' 25"E

16+19'B

10+00'C

N89° 47' 15"E

610TH AVE

S90° 00' 00"E

N85° 25' 06"E

S89° 41' 36"E

15+00'C'

3M DRIVE

CTH B SB

CTH B NB

CAUTION

CAUTION

N0° 18' 15"W

12'

12'

24'

12'

15'

5'

5'

11'

11'

WEST WISCONSIN
TELCOM

R/L CTH B SB

CITY OF MENOMONIE

BM2

R/L 610TH AVE

R/L CTH B NB

CITY OF MENOMONIE

PROPOSED TLE (TYP)

END CONSTRUCTION
STA 12+75.26 'C'
MATCH EXISTING
SAW CUT REQ'D

XCEL ENERGY

401+00'S

400+00'SB

400+00'NB

399+00'SB

399+00'NB

5

5

PROFILE VIEW 610TH AVE

914
912
910
908
906
904
902
900
898
896

STA 10+00.00
EL 905.20

STA 10+12.00
EL 905.45

STA 10+36.00
EL 904.96

STA 12+75.26
EL 903.68

EXISTING PROFILE

PROPOSED PROFILE

1.02%

-2.00%

-0.54%

END CONSTRUCTION
STA 12+75.26 '610'
MATCH EXISTING
SAW CUT REQ'D

EXISTING PROFILE ELEVATIONS

PROPOSED PROFILE ELEVATIONS

| | | |

Standard Detail Drawing List

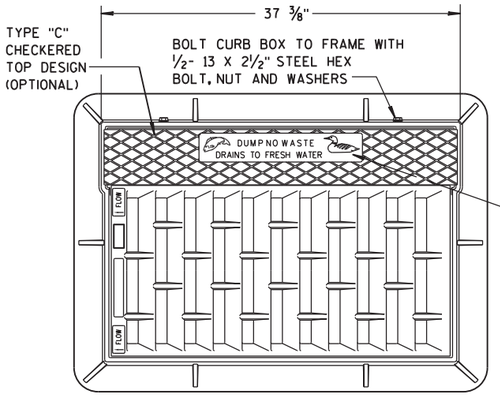
08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B04-12	PULL BOX
09B16-02	PULL BOX NON-CONDUCTIVE
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C06-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09C11-10	CONCRETE BASE TYPE 10
09C14-03	CONCRETE CONTROL CABINET BASE, TYPE L
09C15-01	CONCRETE BASE TYPE 10 SPECIAL
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D02-03	SIGNAL CONTROL CABINET
09D04-03	LIGHTING CONTROL CABINET 120/240 VOLT
09E01-15B	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY)
09E01-15C	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 4
09E01-15D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E08-09C	TYPE 9 SPECIAL POLE 40' MONOTUBE ARM
09E08-09K	GENERAL NOTES,HARDWARE DETAILS FOR TYPE 9/10,9/10 SPECIAL,12 & 13 POLES W/MONOTUBE ARMS
09E12-01E	GENERAL NOTES AND HARDWARE DETAILS FOR OVER HEIGHT TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS
09F09-05	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW CONCRETE PAVEMENT)
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
09G01-04A	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04C	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
11B02-02	CONCRETE MEDIAN NOSE
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-11	URBAN DOWELED CONCRETE PAVEMENT
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
13C18-08F	CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER
13C19-03	HMA LONGITUDINAL JOINTS
14B07-16A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09H	MODIFIED ROUTE ASSEMBLY FOR DETOUR SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C07-15B	PAVEMENT MARKING WORDS

6

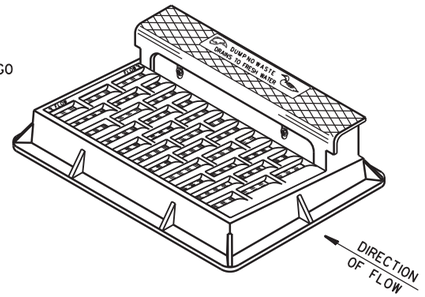
Standard Detail Drawing List

15C07-15C	PAVEMENT MARKING ARROWS
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-23C	PAVEMENT MARKING (TURN LANES)
15C08-23D	PAVEMENT MARKING (TURN LANES)
15C11-10A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-08A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-08B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C18-08C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C19-08A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-08B	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15D06-06	TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION
15D12-11A	TRAFFIC CONTROL, LANE CLOSURE
15D20-07A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D35-03A	RAMP GATE HARD WIRED
15D35-03B	RAMP GATE HARD WIRED
15D35-03C	RAMP GATE HARD WIRED
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D40-04C	TRAFFIC CONTROL, PARTIAL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D43-02	TRAFFIC CONTROL, SHORT DURATION MOBILE OPERATIONS
15D45-03	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
15D50-03B	TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

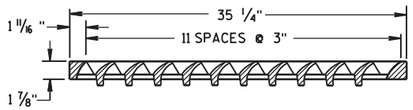
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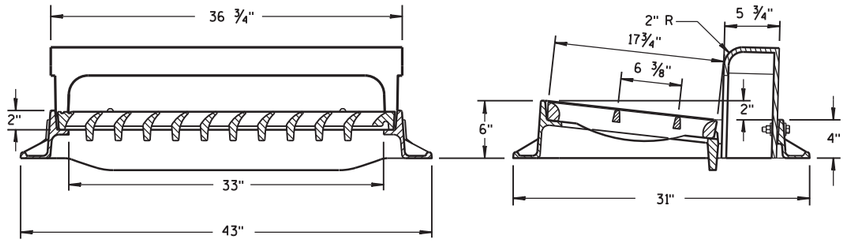


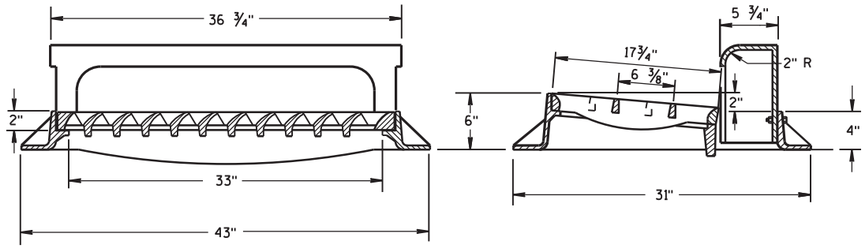
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

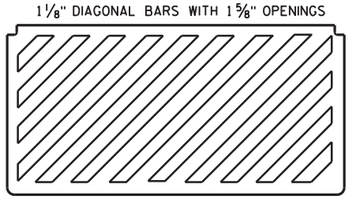






TYPE "H"

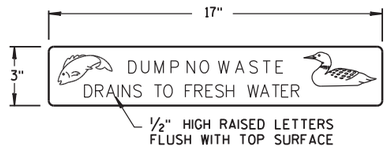
NOTE: EITHER CASTING IS ACCEPTABLE



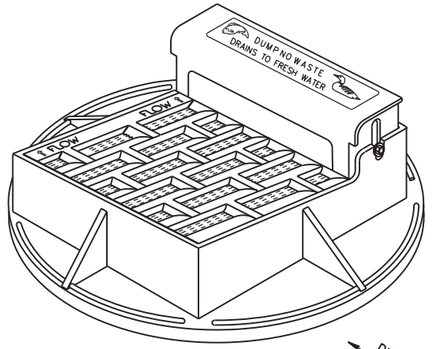
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

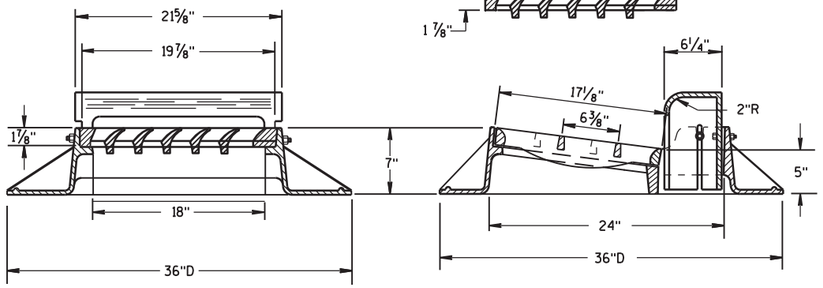


LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

NOTE:
GRATE IS REVERSIBLE.



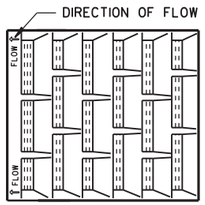
TYPE "A"

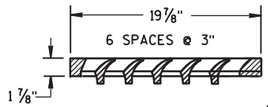
GENERAL NOTES

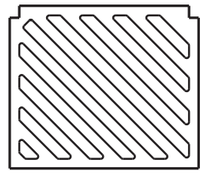
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



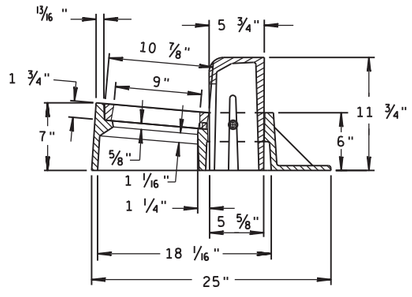


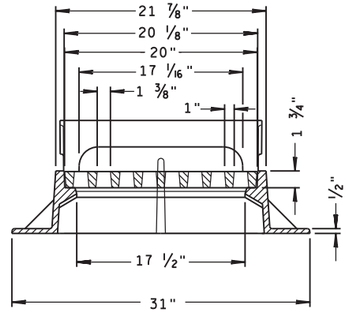


SPECIAL GRATE FOR TYPE "A" COVER

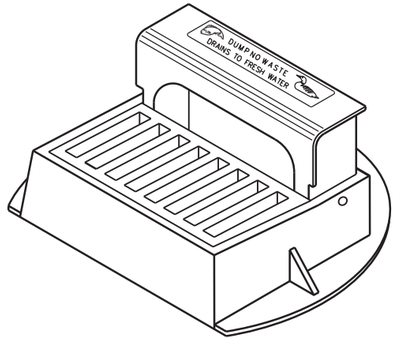
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"



INLET COVERS TYPE A, H, A-S, H-S & Z

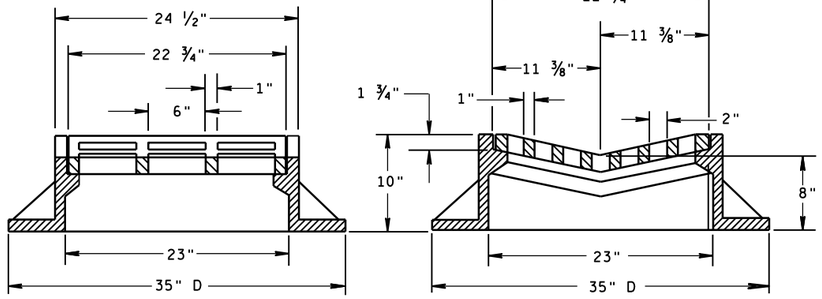
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

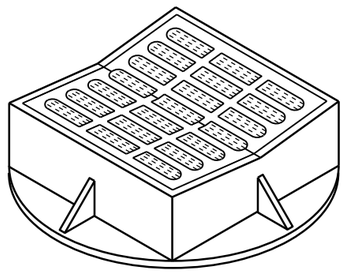
APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

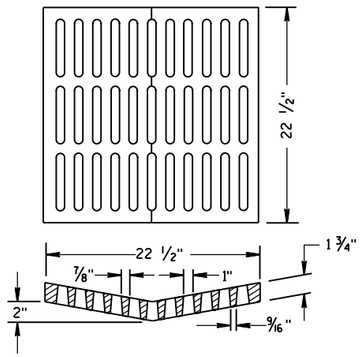
S.D.D. 8 A 5-19a

S.D.D. 8 A 5-19a



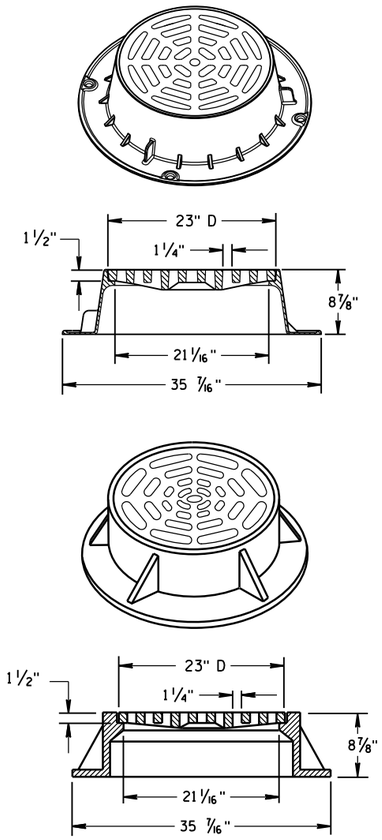


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

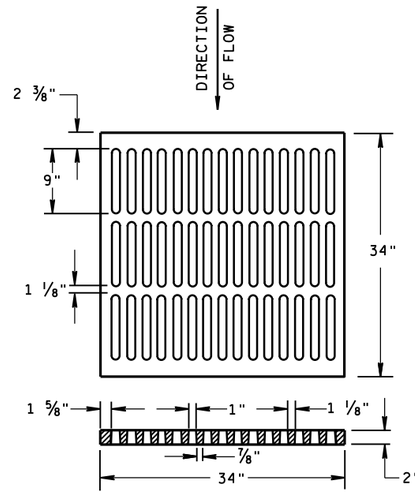
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

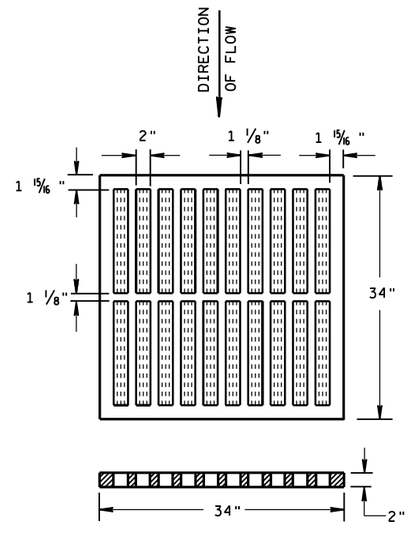
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



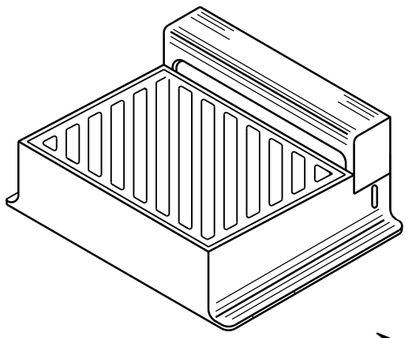
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

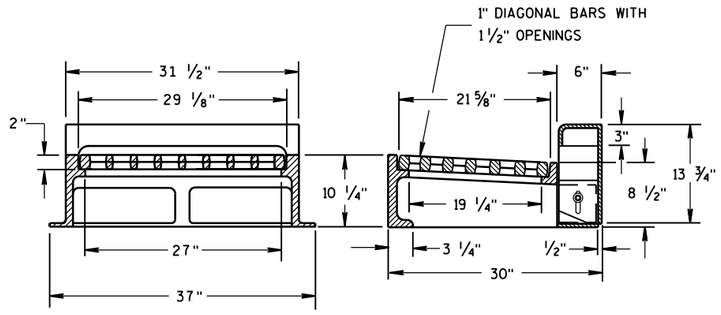


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

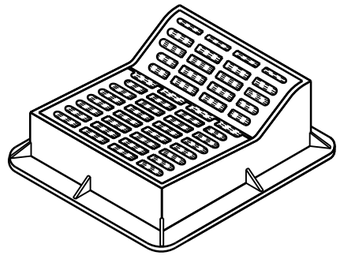
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

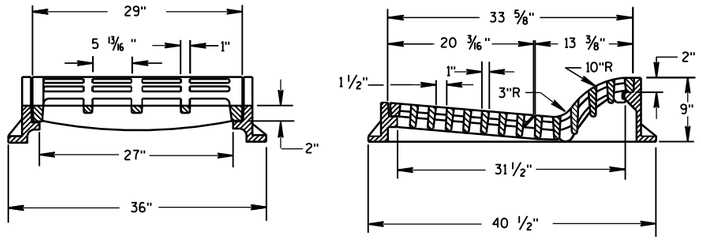
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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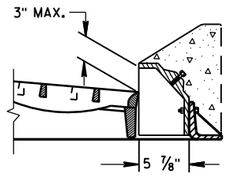
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

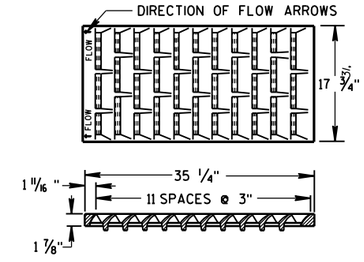
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

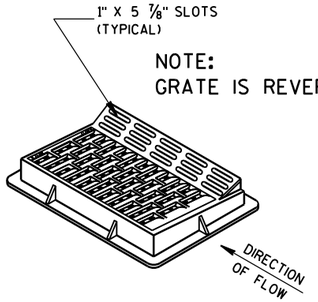
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

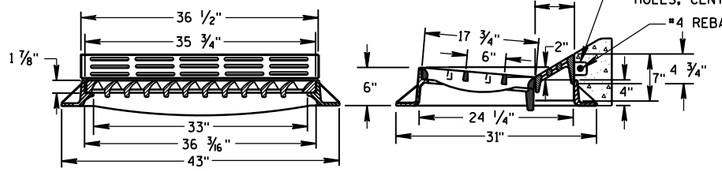
GENERAL NOTES

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

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



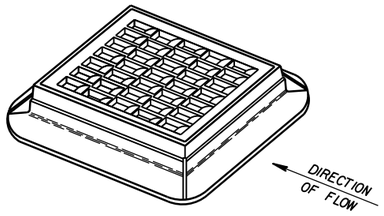


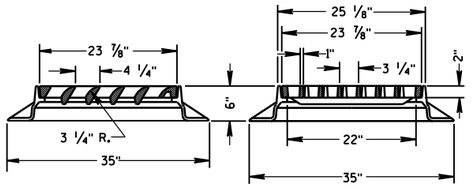


TYPE "HM"

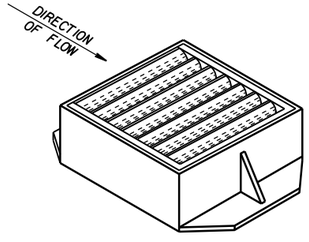
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

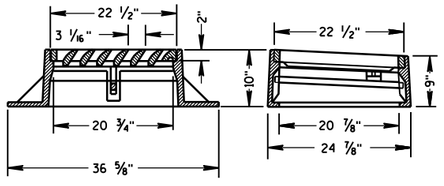
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



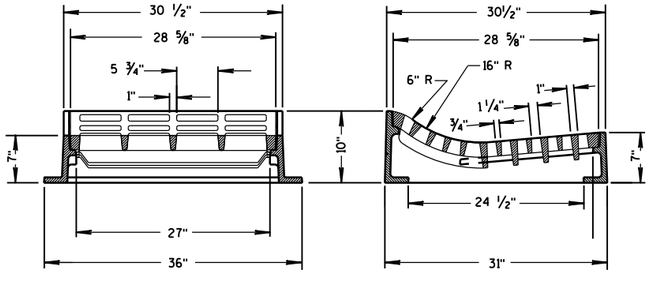


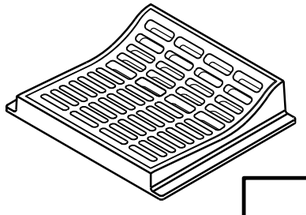
TYPE "S"





TYPE "V"





TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.

INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

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11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

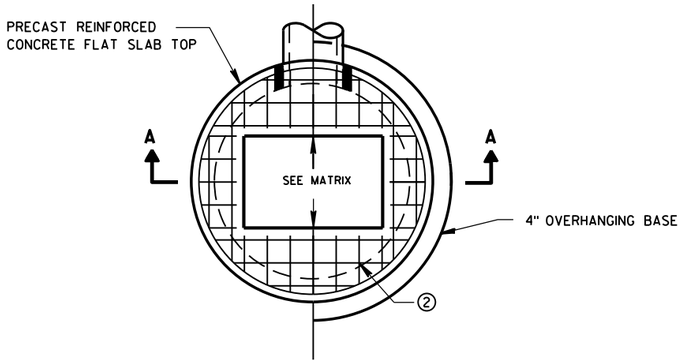
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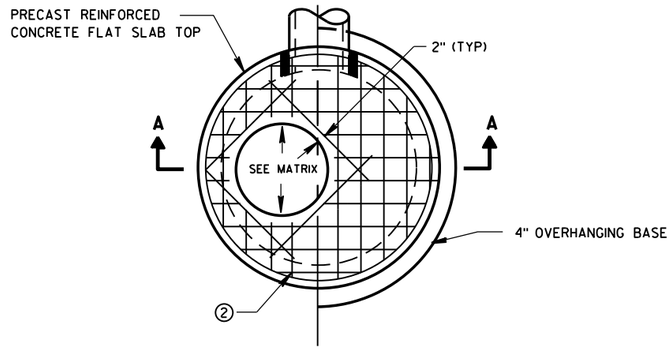
S.D.D. 8 A 5-19c

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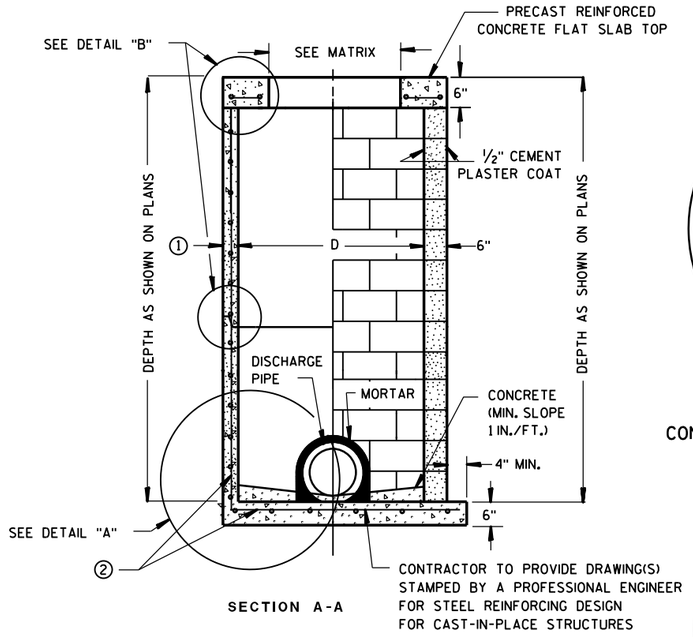
S.D.D. 8 A 5-19c



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

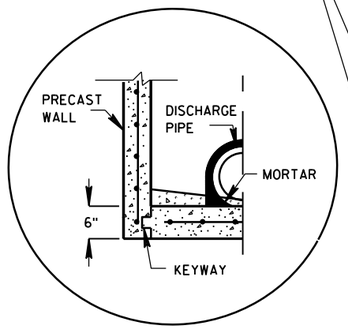


SECTION A-A

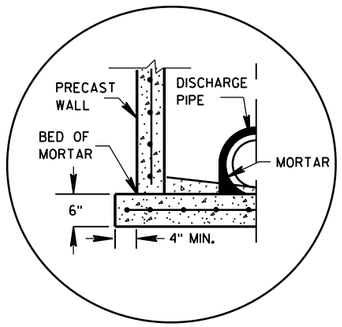
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

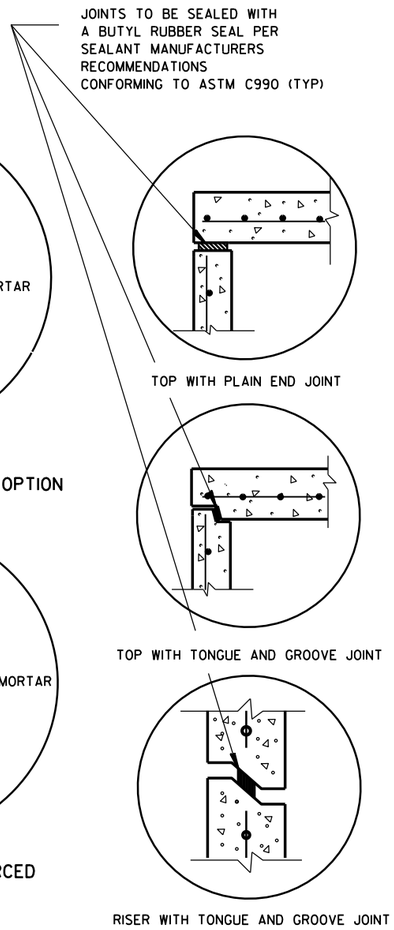


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

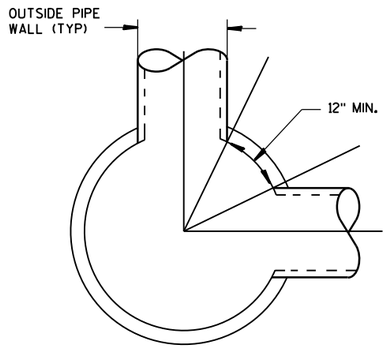
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

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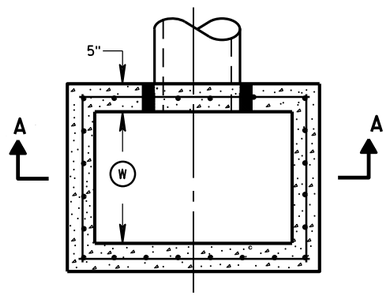
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S.D.D. 8 C 6-2

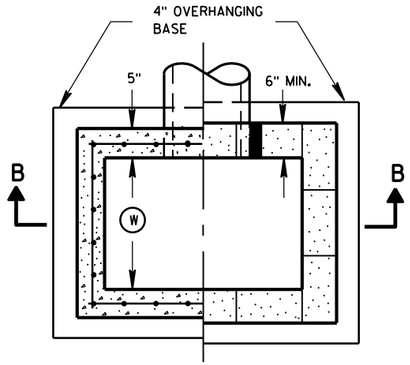
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S.D.D. 8 C 6-2

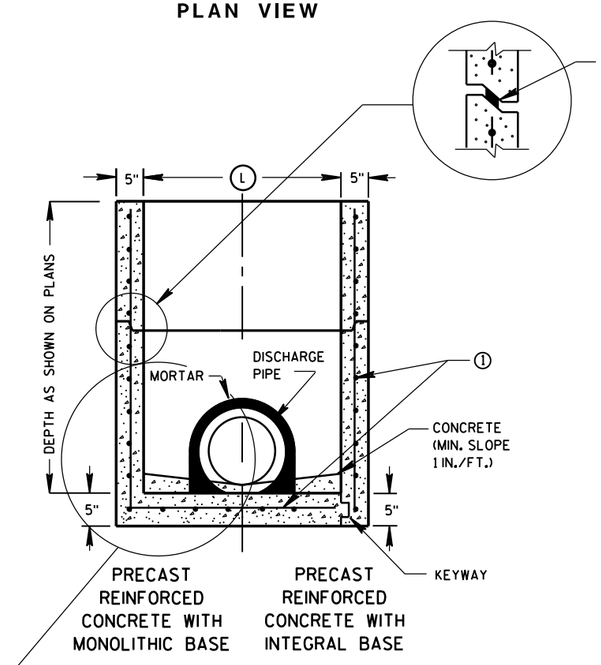
INLETS 3-FT AND 4-FT DIAMETER



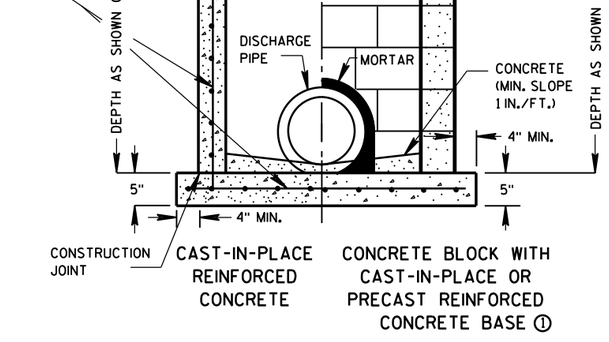
PLAN VIEW



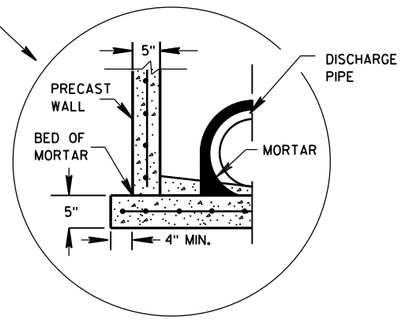
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

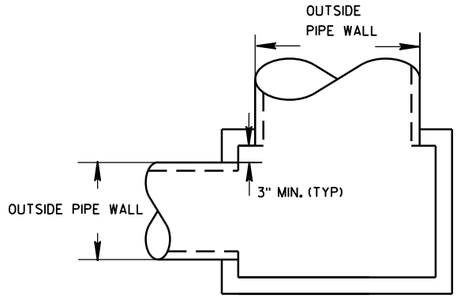
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

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Sept., 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT UNIT SUPERVIS
FHWA

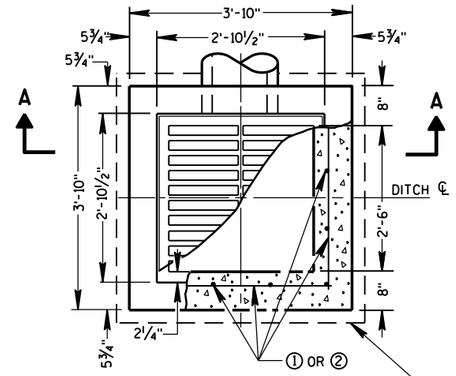
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

6

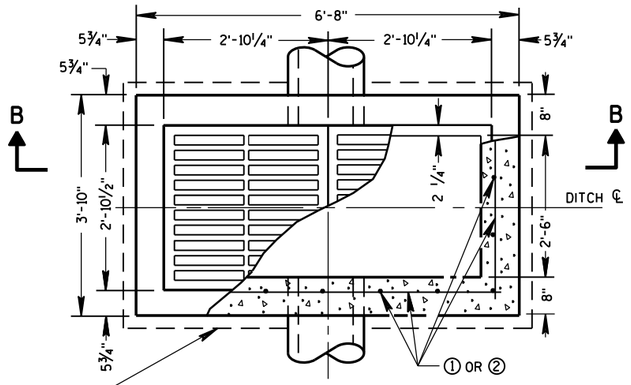
S.D.D. 8 C 7-2

6

S.D.D. 8 C 7-2

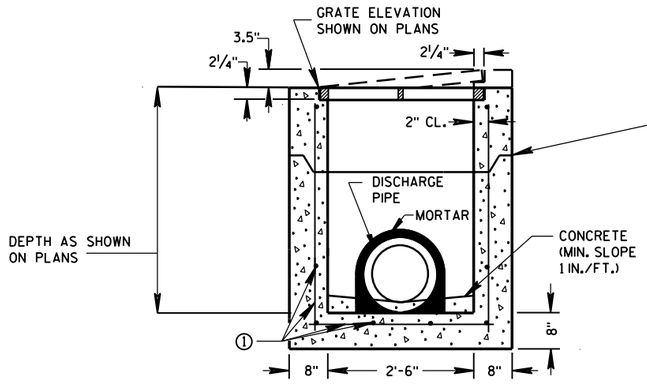


PLAN VIEW

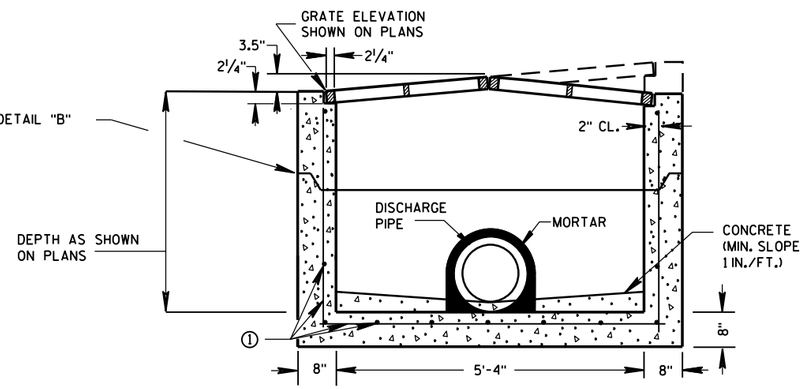


PLAN VIEW

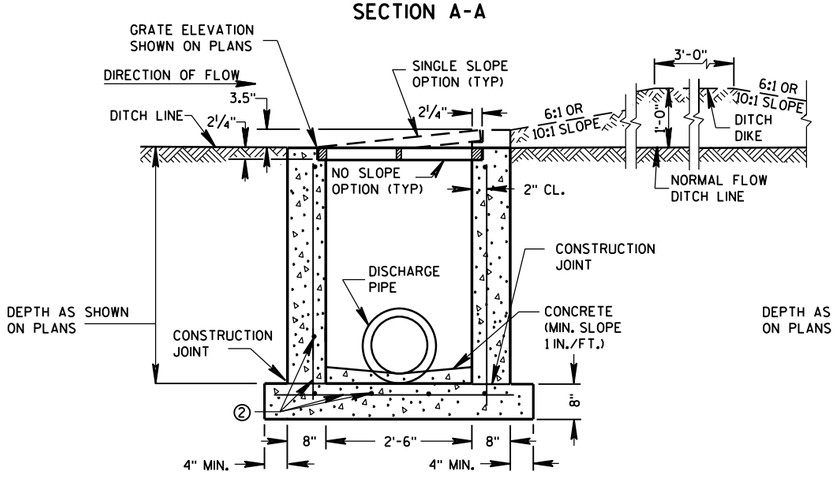
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



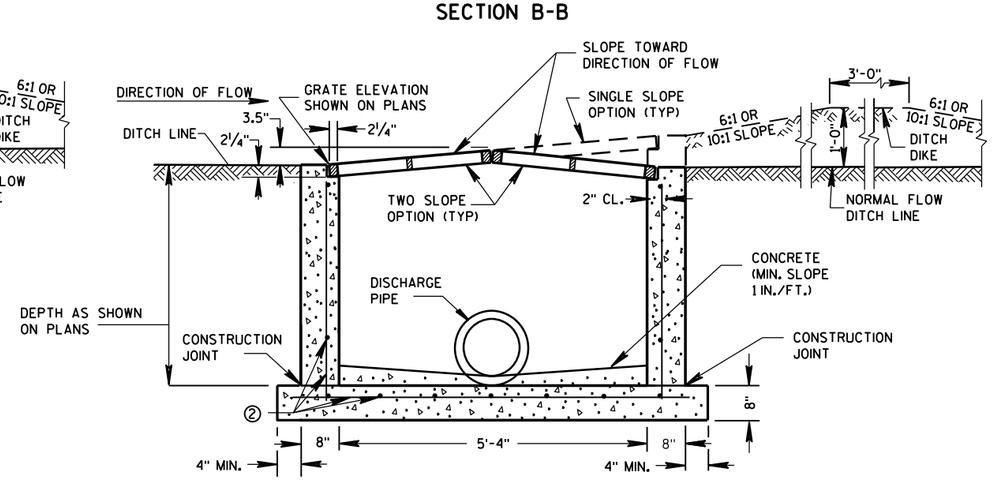
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

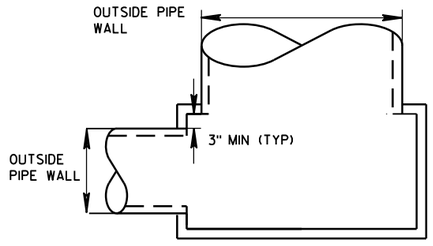
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

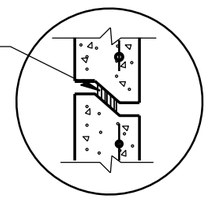
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



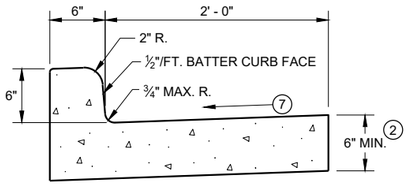
DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

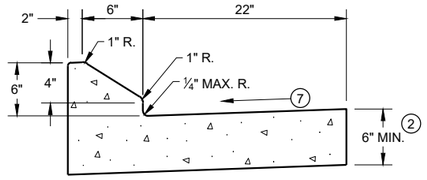
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

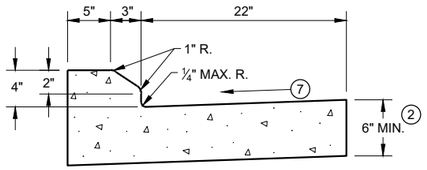
6
S.D.D. 8 C 8-2



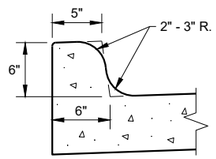
TYPES A (1) & D



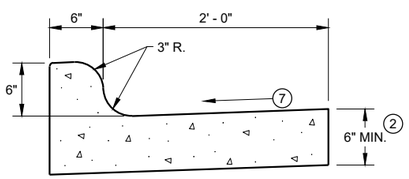
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

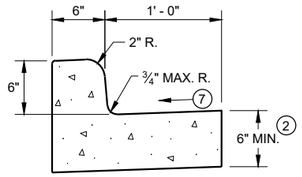


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



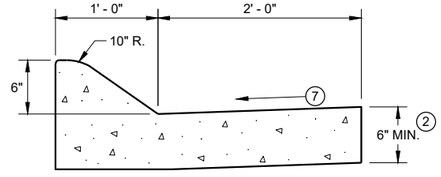
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

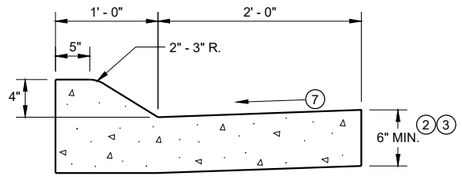


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

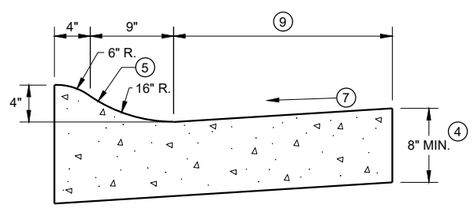


6" SLOPED CURB TYPES A (1) & D



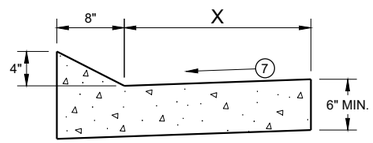
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

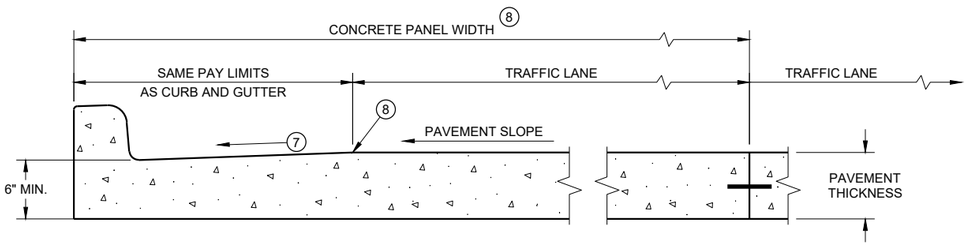


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

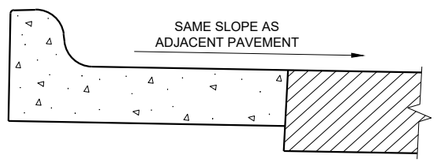
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

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

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

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

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

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

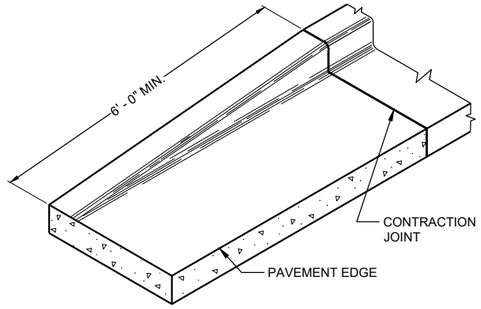
(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

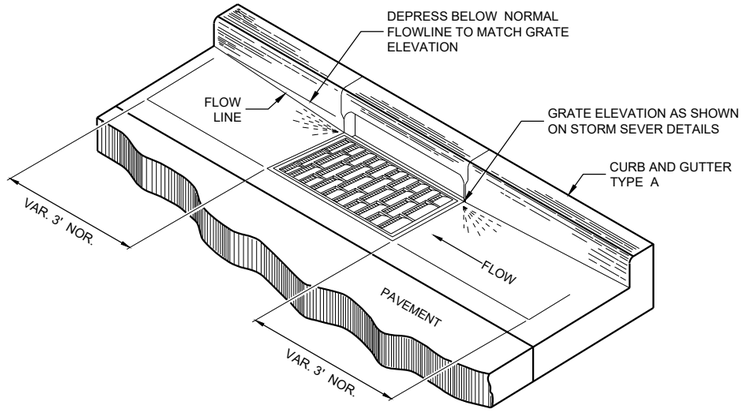
CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 08D01 - 23a



END SECTIONCURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

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

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

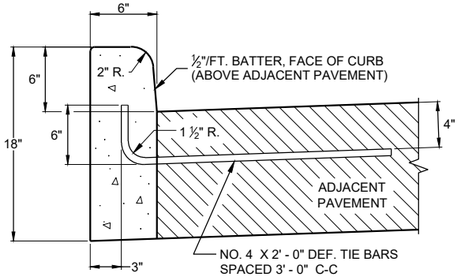
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

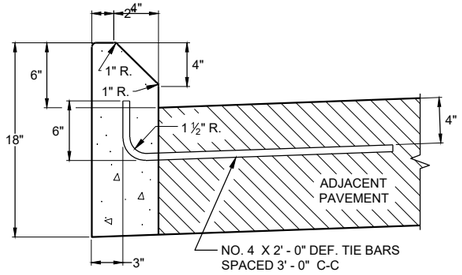
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(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.

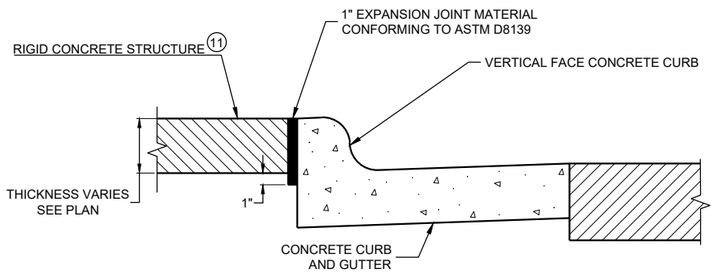


TYPES A(1) & D

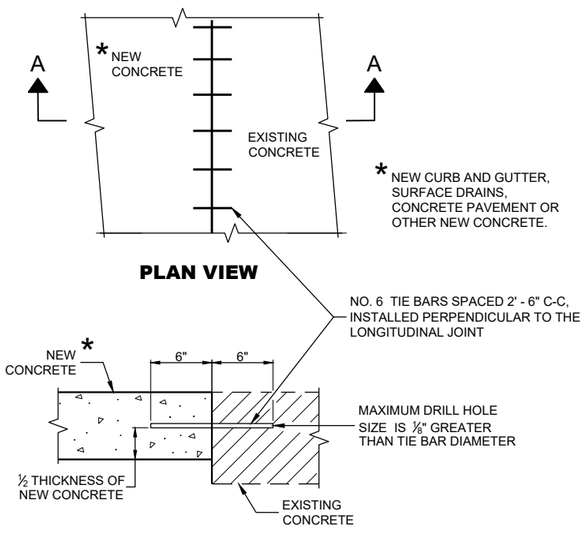


TYPES G(1) & J

CONCRETE CURB



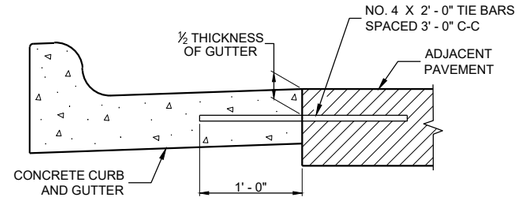
EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE(11)



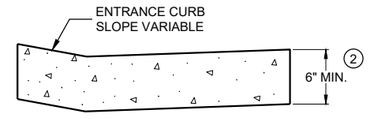
PLAN VIEW

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

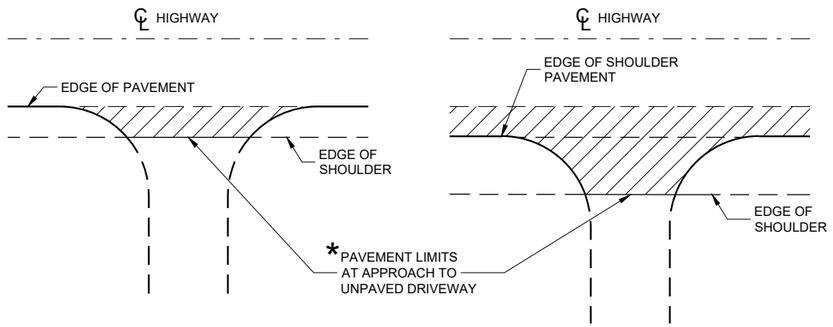
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

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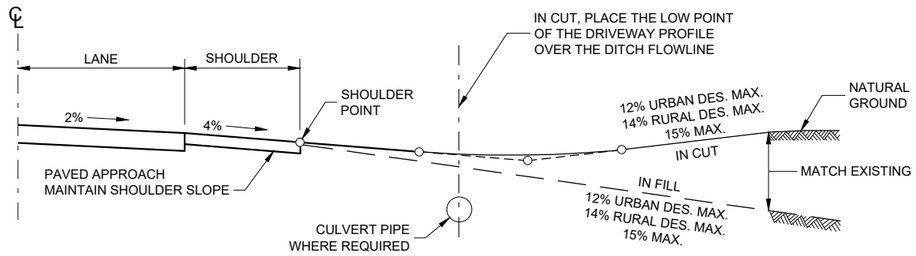
SDD08D01 - 23b



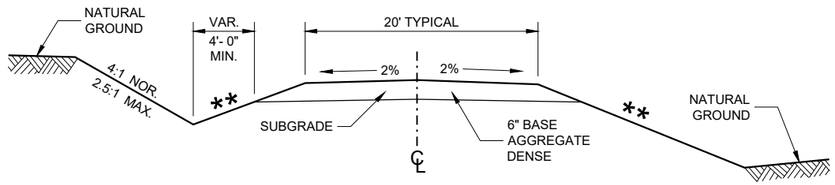
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

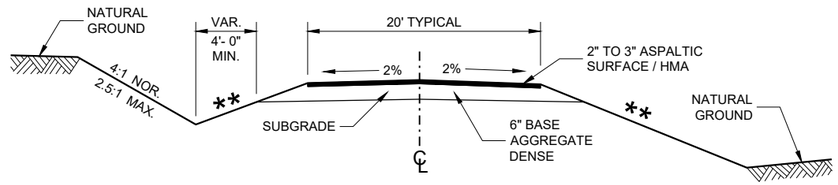


IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

** SLOPE CAN VARY WITH SPEED. SEE 11-45-30.6.2

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



IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE

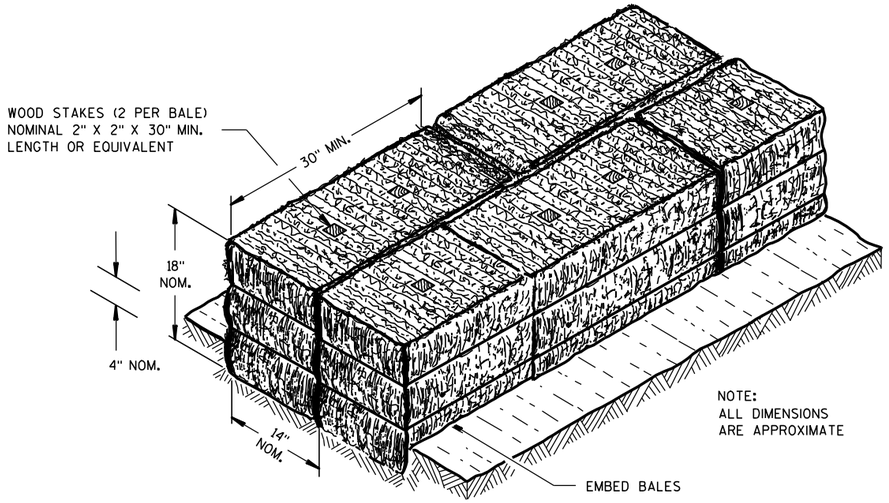
DRIVEWAYS WITHOUT CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

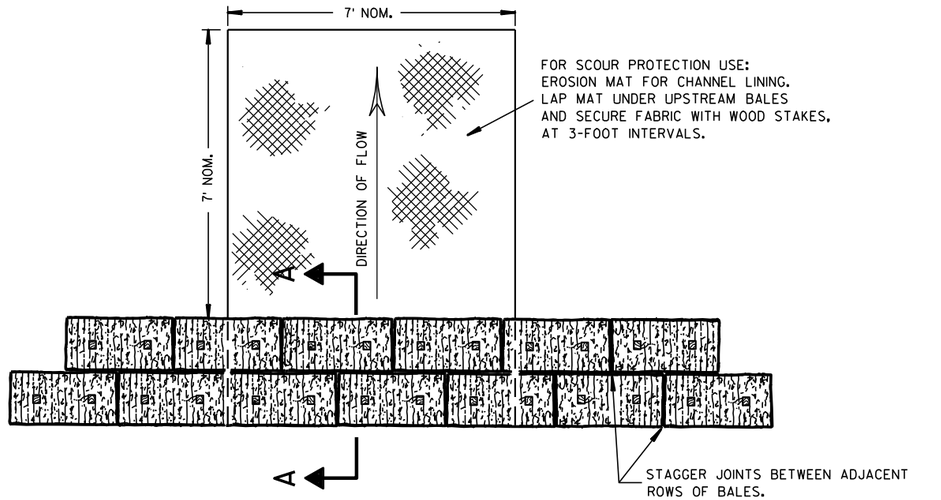
APPROVED
December 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR
FHWA

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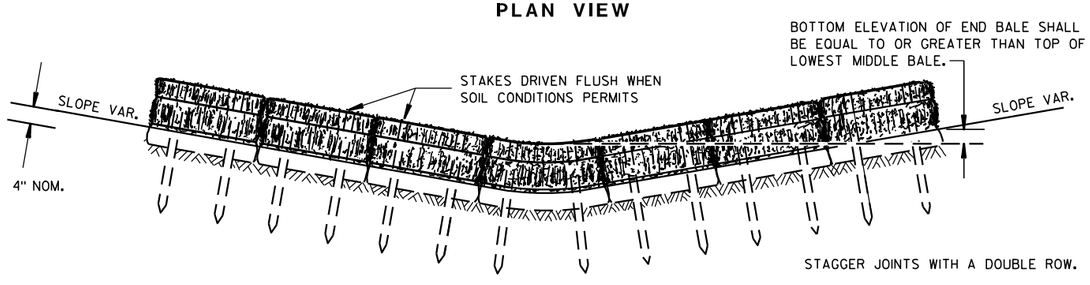
SDD 08D21 - 01



SECTION A-A



PLAN VIEW



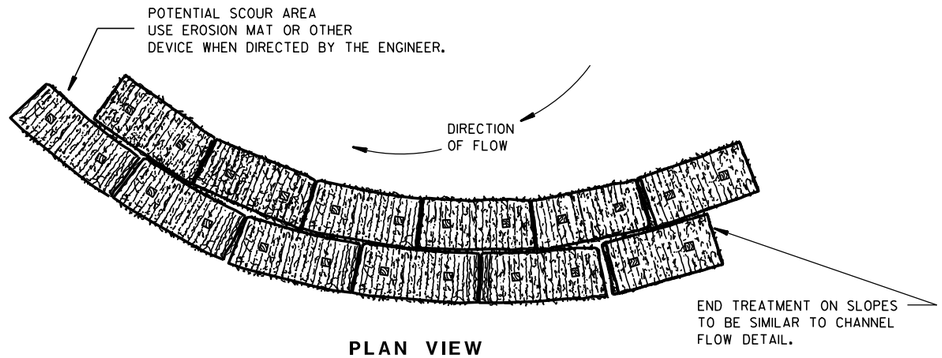
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

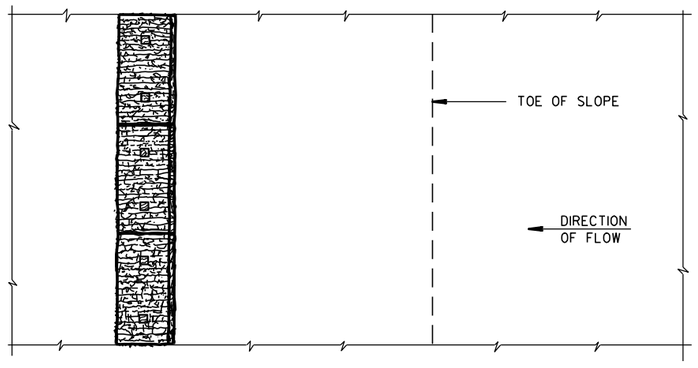
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

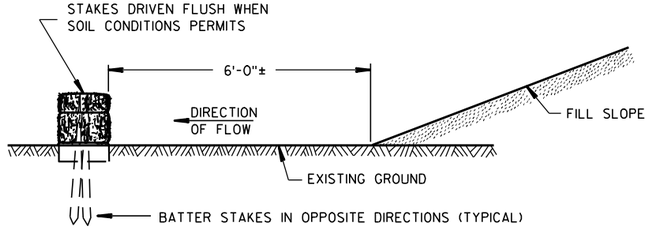


PLAN VIEW

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

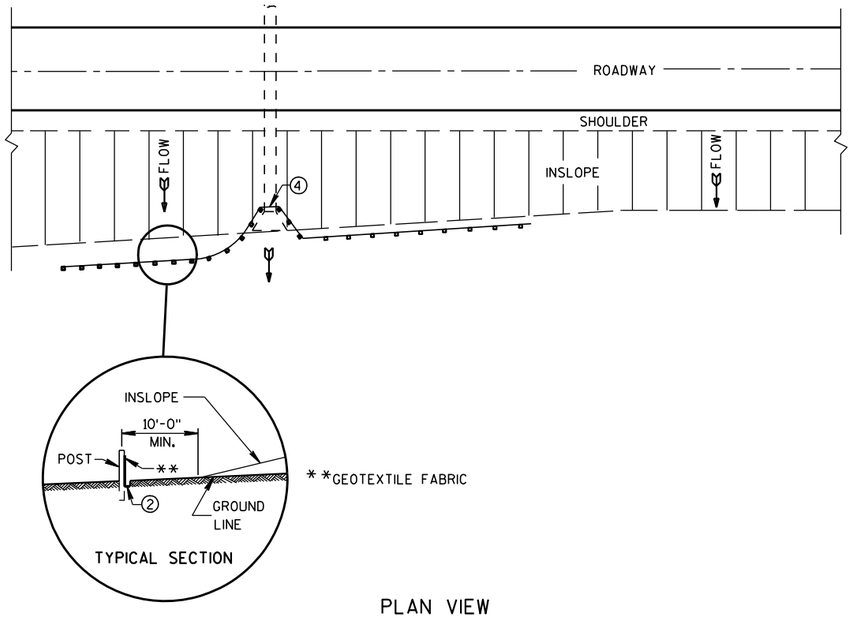
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S.D.D. 8 E 8-3

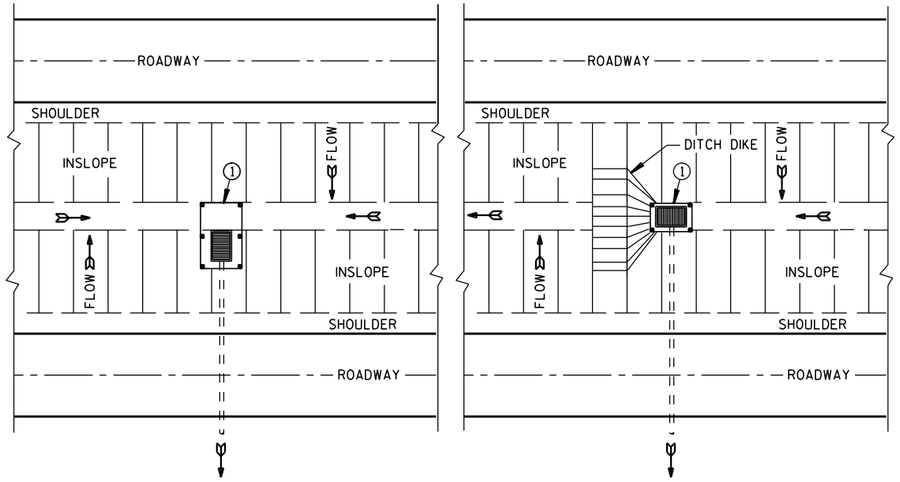
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



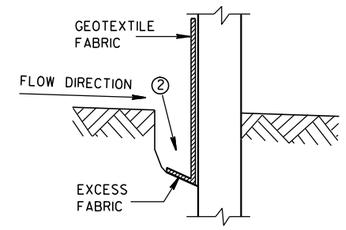
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

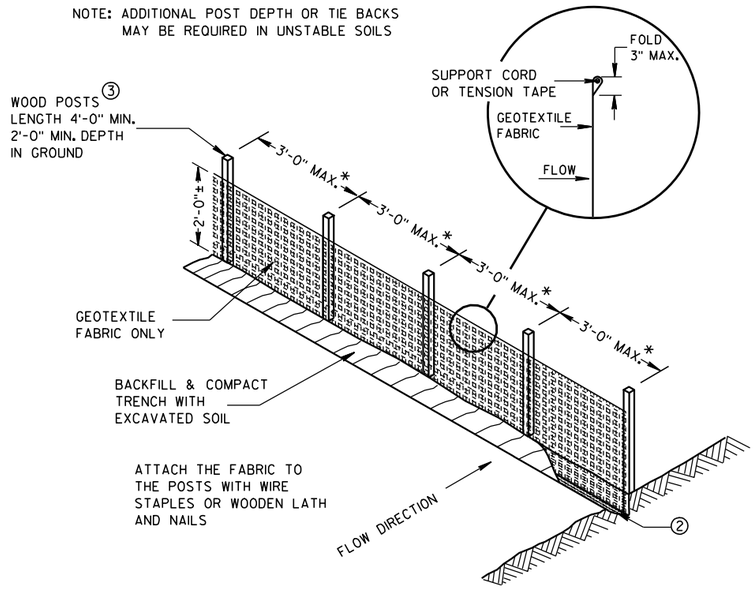
GENERAL NOTES

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

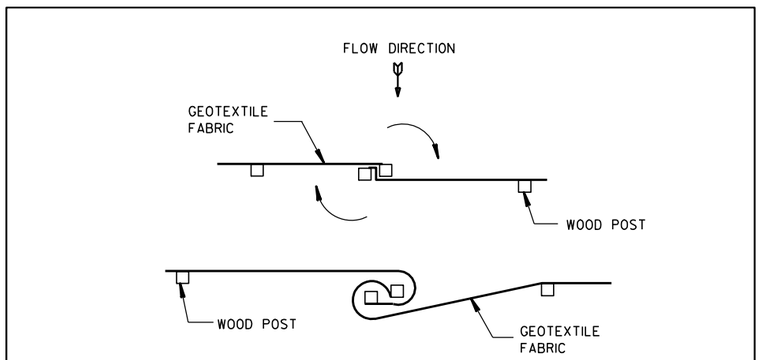
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



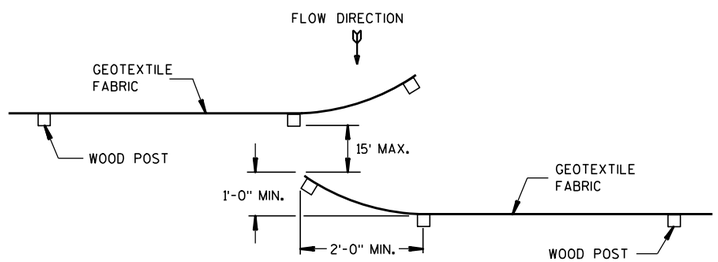
TRENCH DETAIL



SILT FENCE

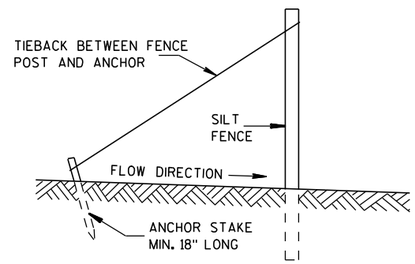


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

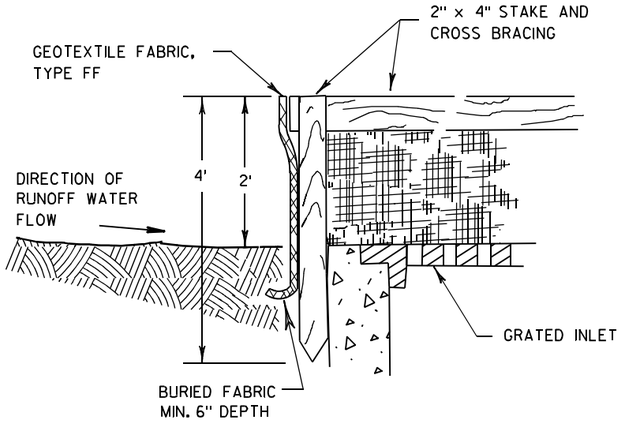
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

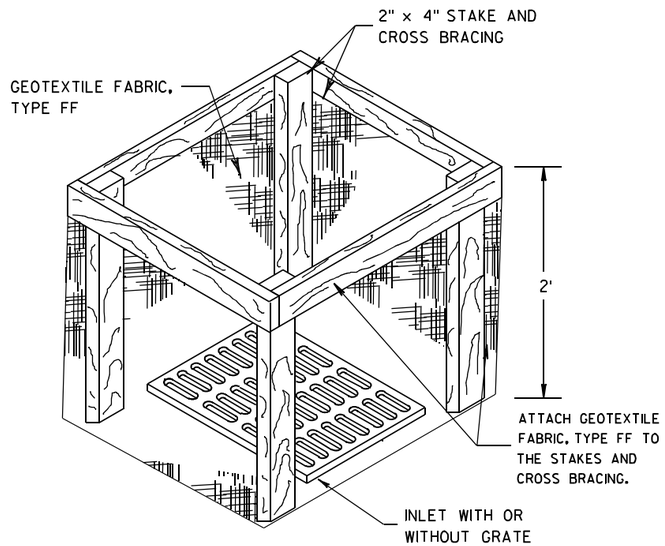
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S.D.D. 8 E 9-6

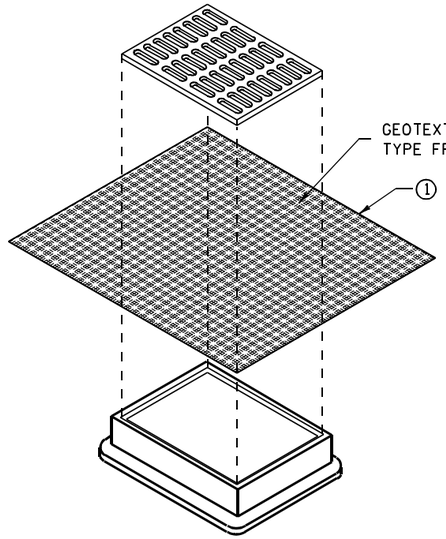
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S.D.D. 8 E 9-6



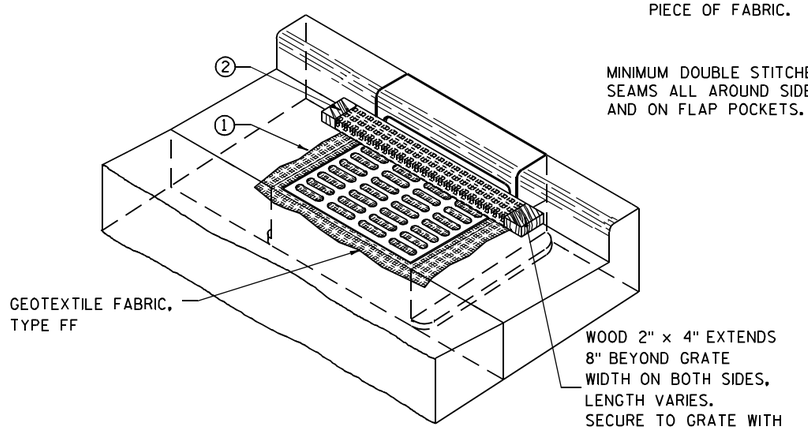


INLET PROTECTION, TYPE A

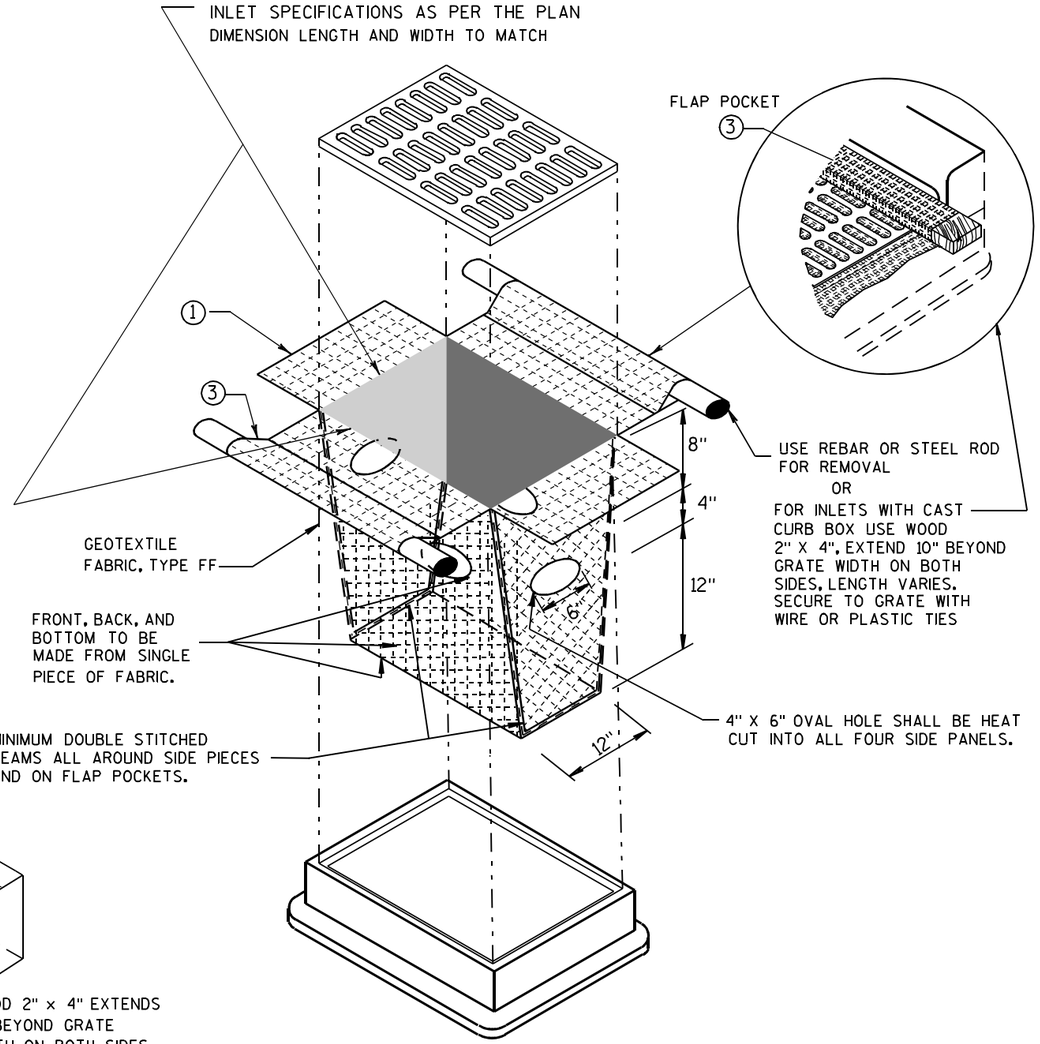


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

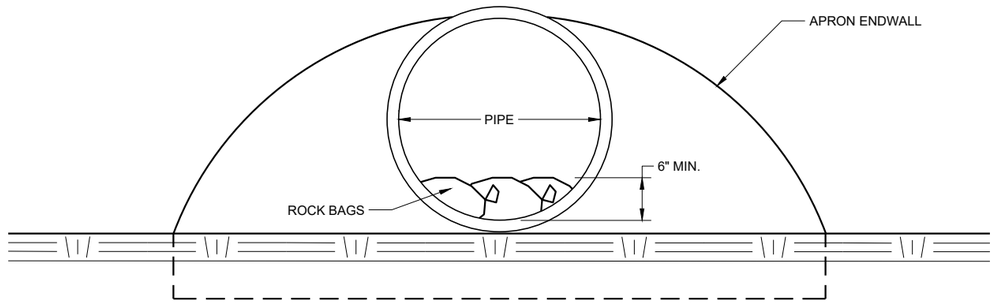
FHWA

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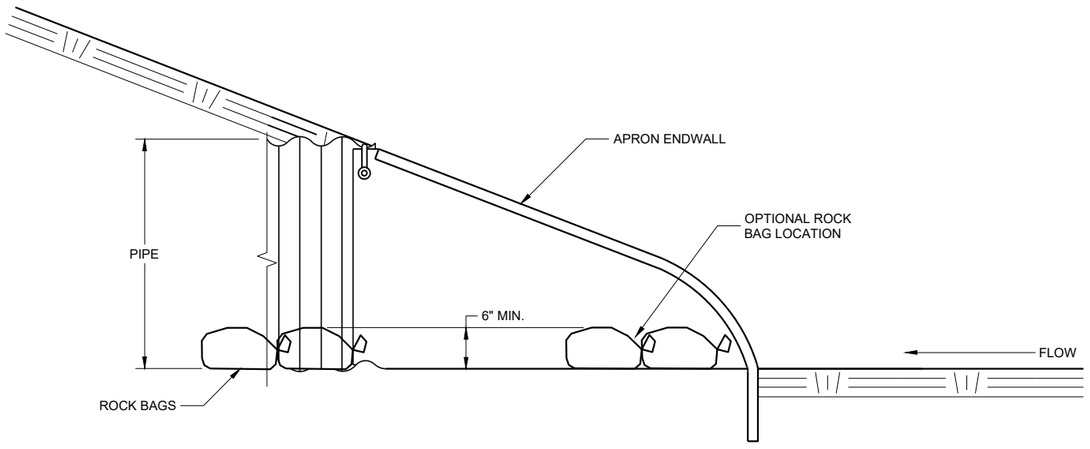
S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2



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

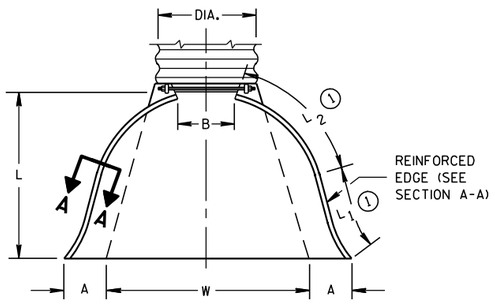
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

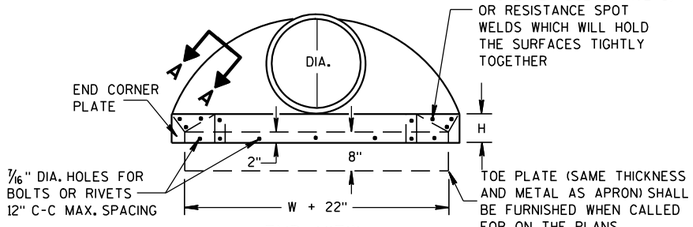
REINFORCED CONCRETE APRON ENDWALLS

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

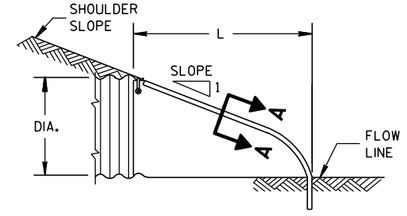
*MINIMUM
**MAXIMUM



PLAN VIEW

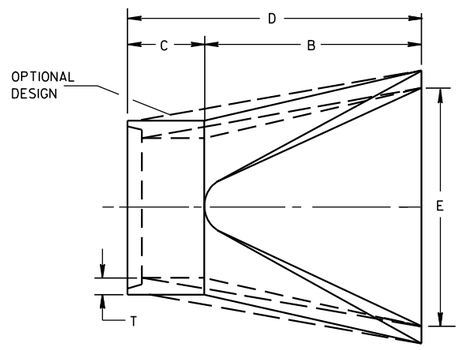


END VIEW

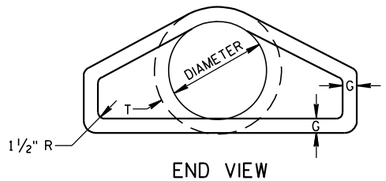


SIDE ELEVATION

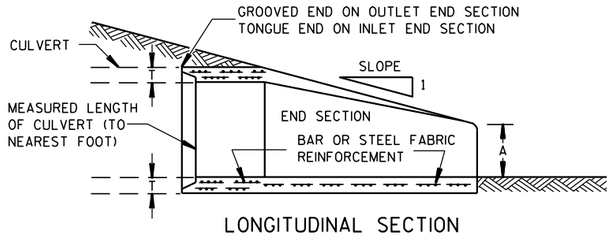
METAL ENDWALLS



PLAN

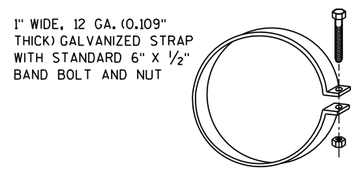


END VIEW



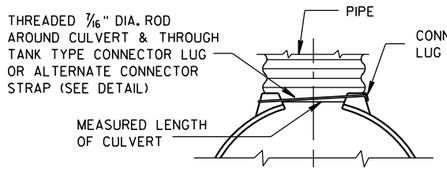
LONGITUDINAL SECTION

CONCRETE ENDWALLS

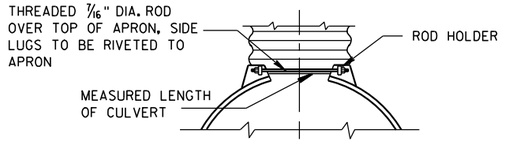


ALTERNATE FOR TYPE 1 CONNECTION

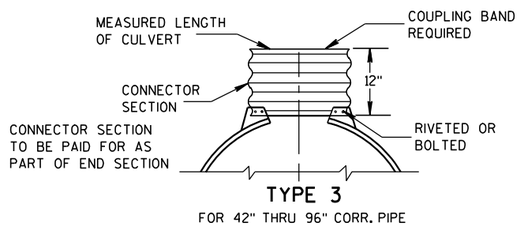
END SECTION CONNECTOR STRAP



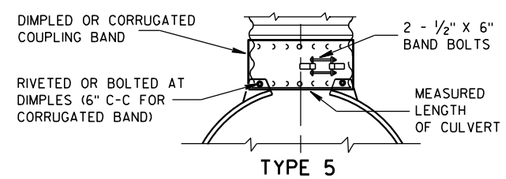
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

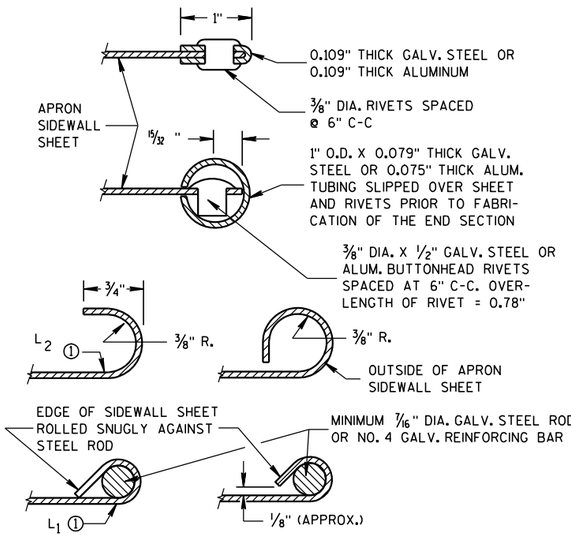
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

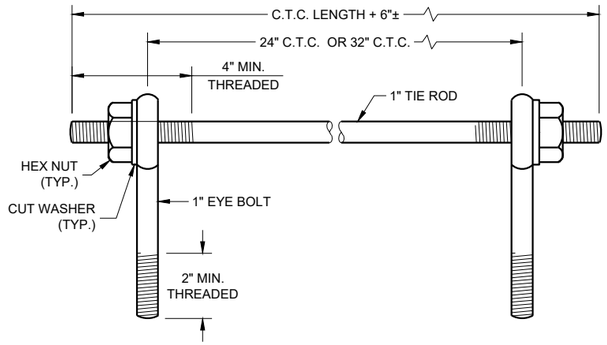
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

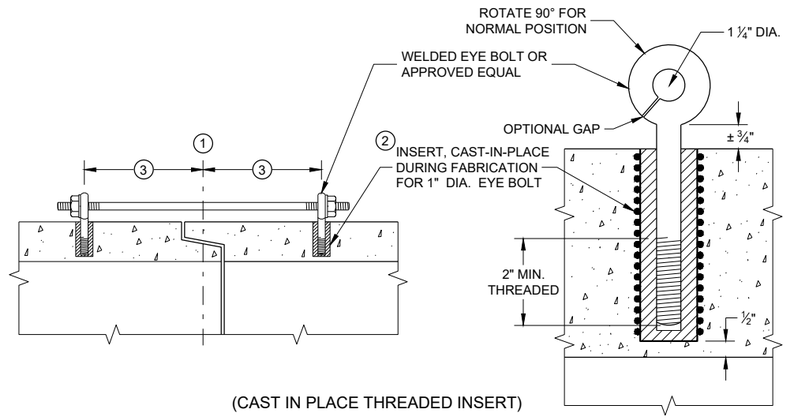
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

(2) THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

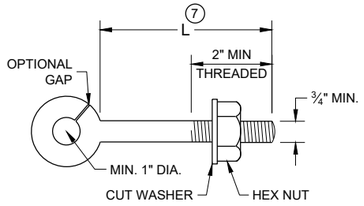
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

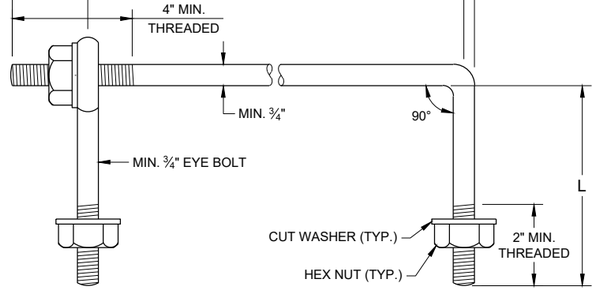
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

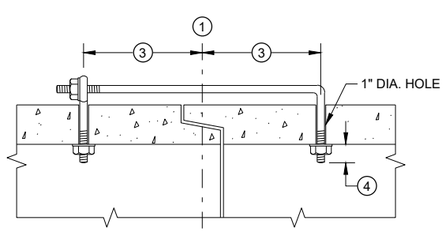


EYE BOLT (7)

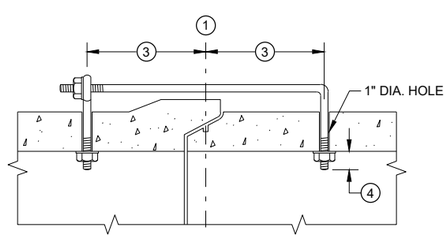
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

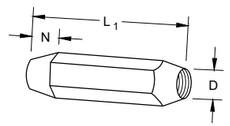
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

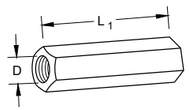
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



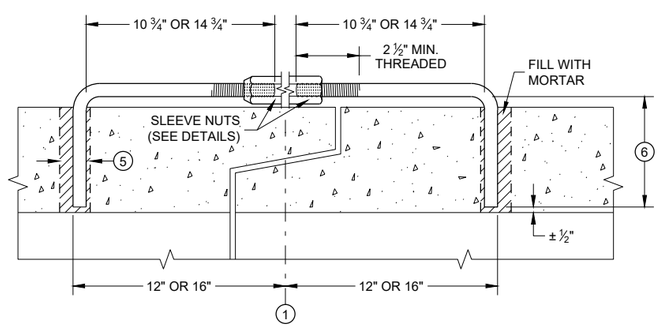
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PLAIN

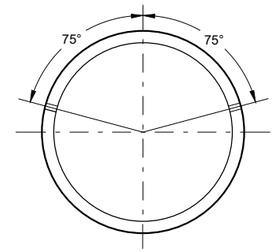
RIGHT AND LEFT THREADS

SLEEVE NUTS



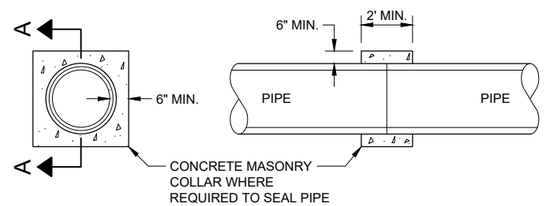
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

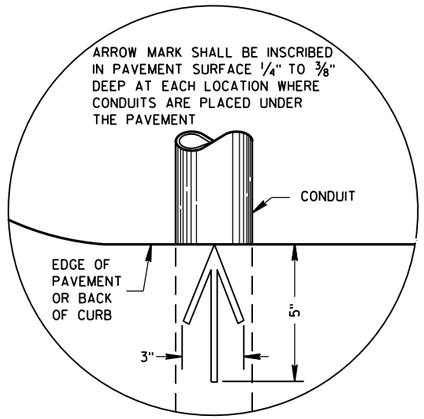
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

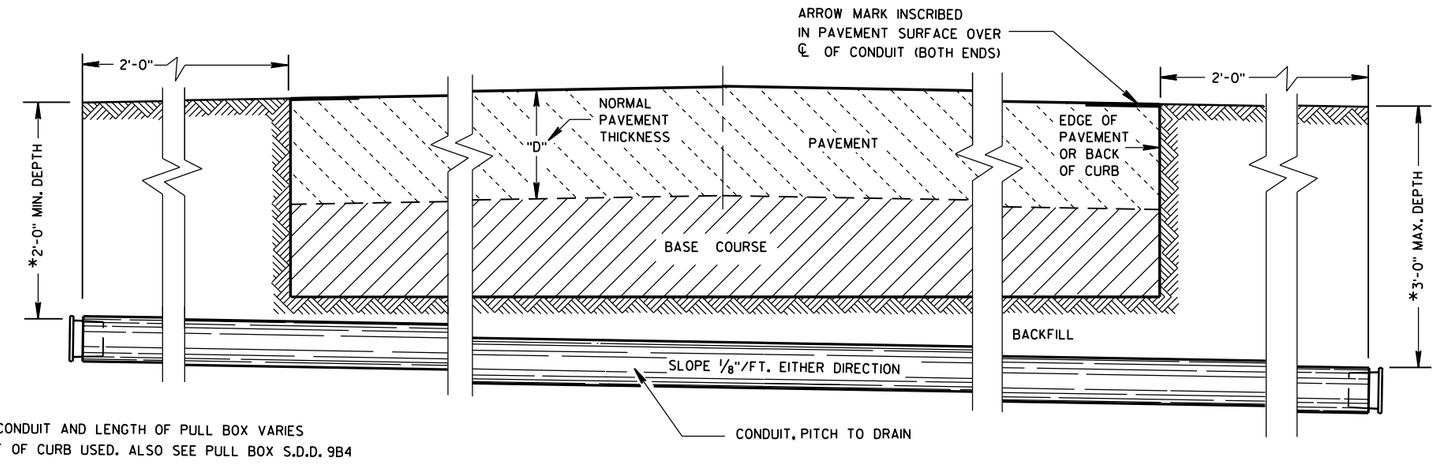
SDD 08F04 - 08

SDD 08F04 - 08



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

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

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

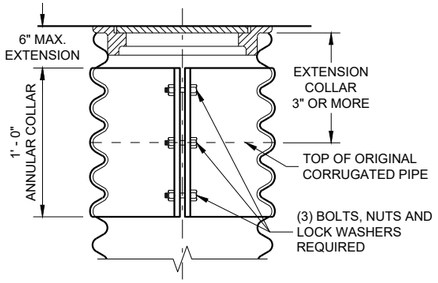
CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

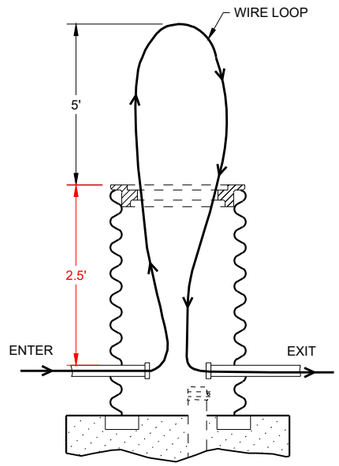
APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 307
FHWA

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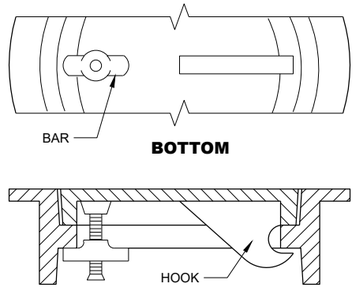
S.D.D. 9 B 2-10



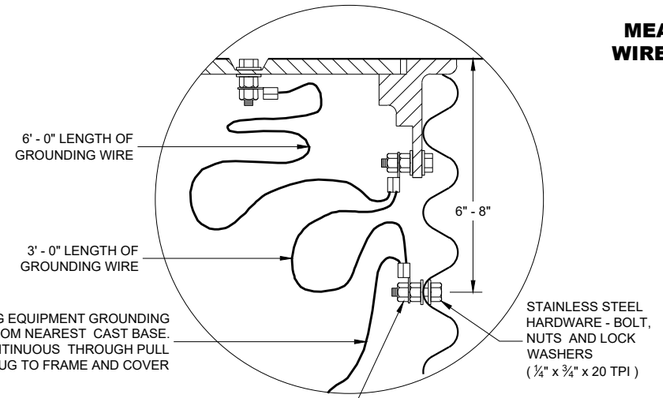
CORRUGATED PIPE EXTENDER



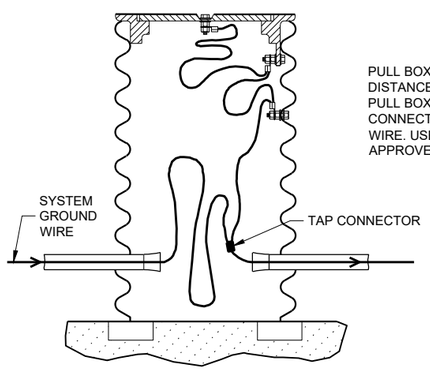
MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



ALTERNATE COVER (LOCKING)
TIGHTENING BAR TYPE

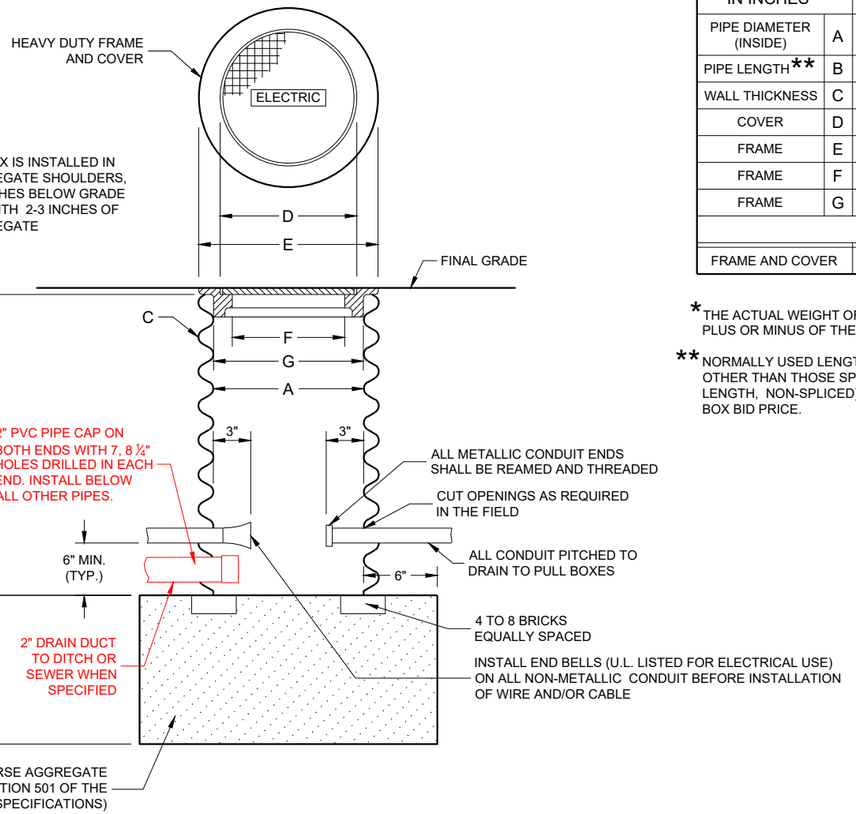


EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN ¼".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH**	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 ¼	10 ¼	10 ¼	16 ¼	16 ¼	16 ¼	22 ¼	22 ¼	22 ¼
FRAME	E	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½	26 ½	26 ½	26 ½
FRAME	F	8 ½	8 ½	8 ½	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½
FRAME	G	11 ½	11 ½	11 ½	17 ½	17 ½	17 ½	23 ½	23 ½	23 ½
WEIGHT IN POUNDS*										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

*THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

**NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
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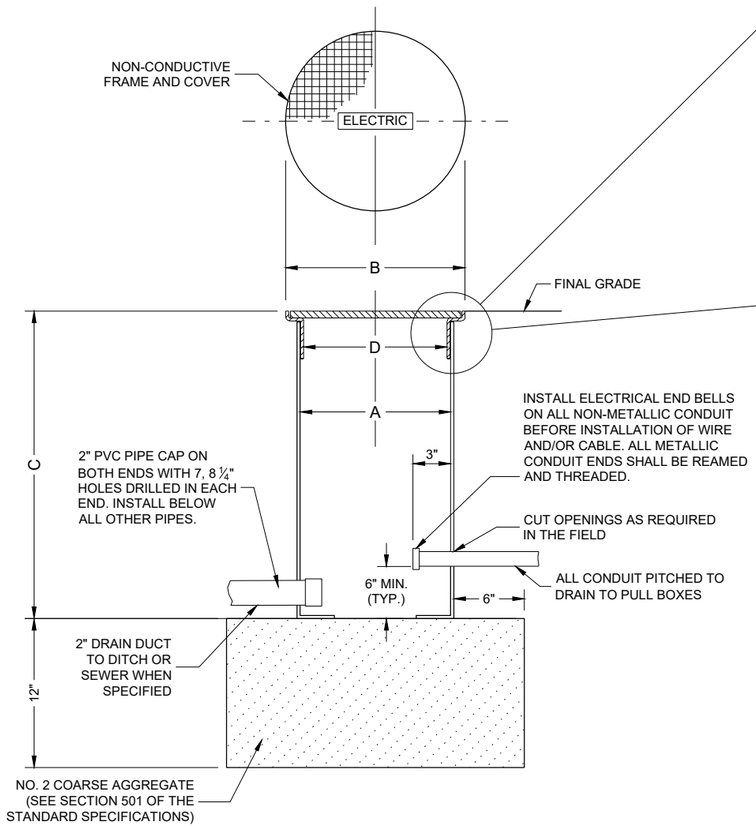
SDD 09B04 -12

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

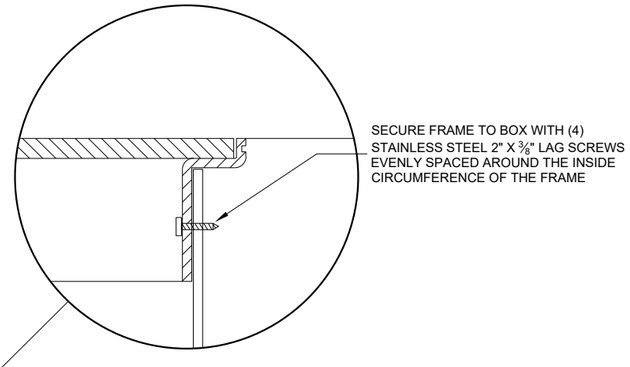
DIMENSION IN INCHES		NON- CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 ½	22 ½
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

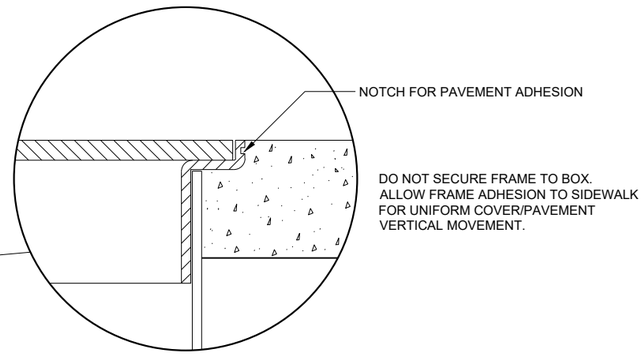
** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE.



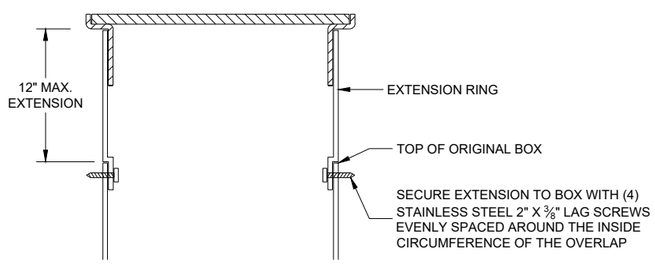
NON-CONDUCTIVE PULL BOX



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".

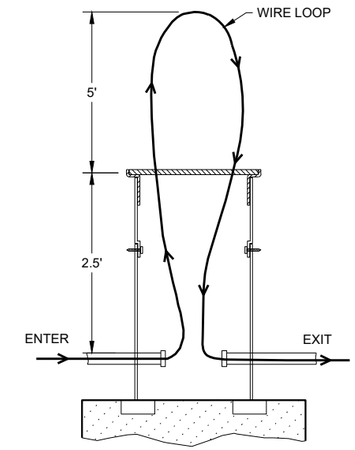
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

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.



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

PULL BOXES NON-CONDUCTIVE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

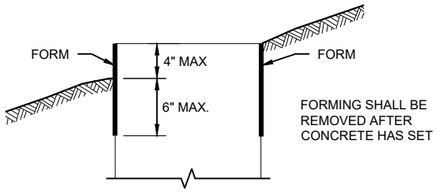
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

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SDD 09B16 - 02

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.

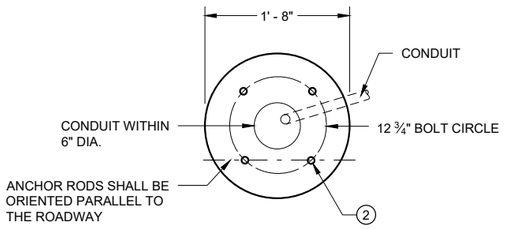
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

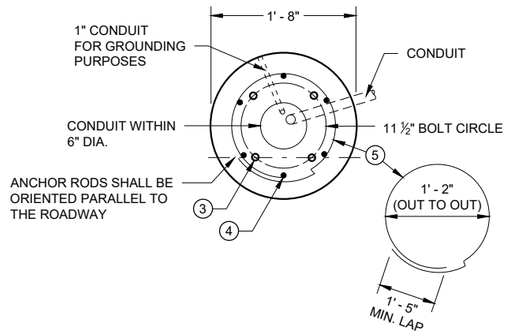
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

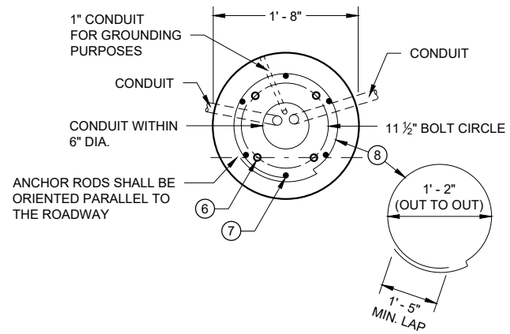
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

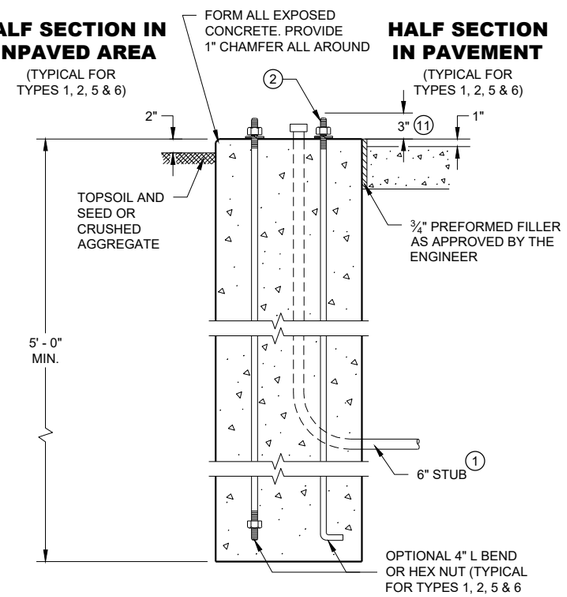
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

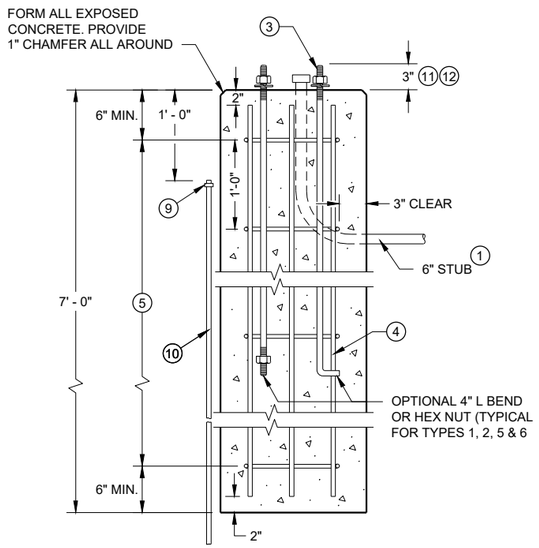
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

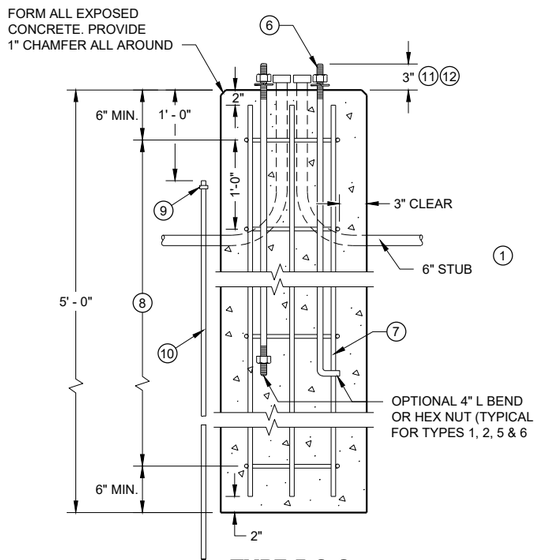
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



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 310
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.

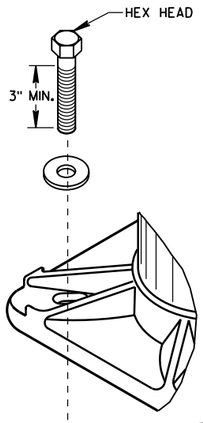
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

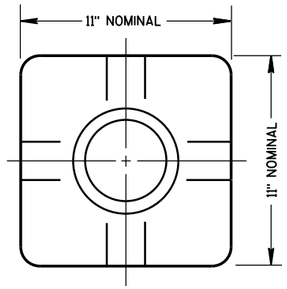
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

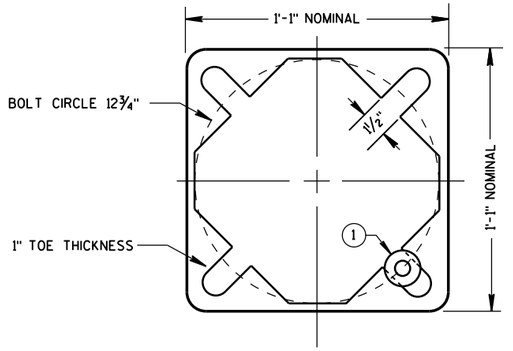
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

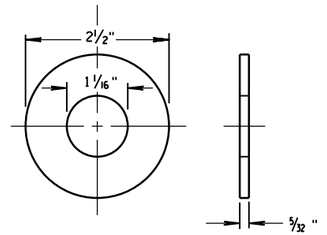




TOP VIEW
(PEDESTAL BASE)

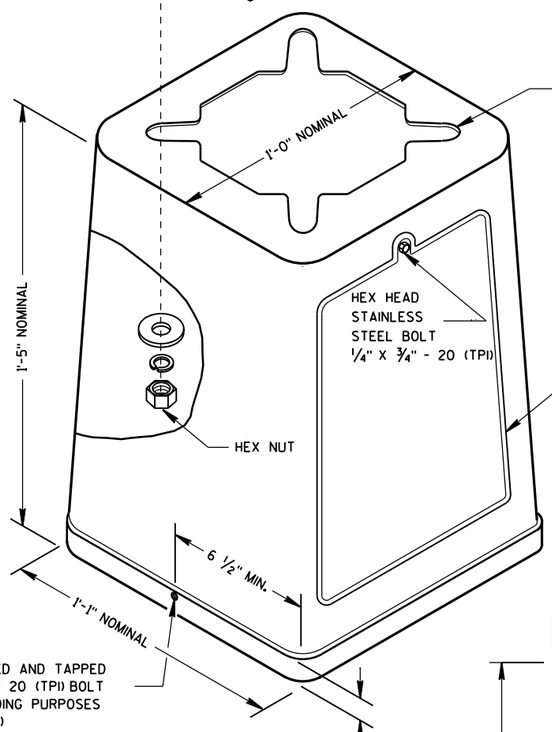


BOTTOM VIEW
(PEDESTAL BASE)

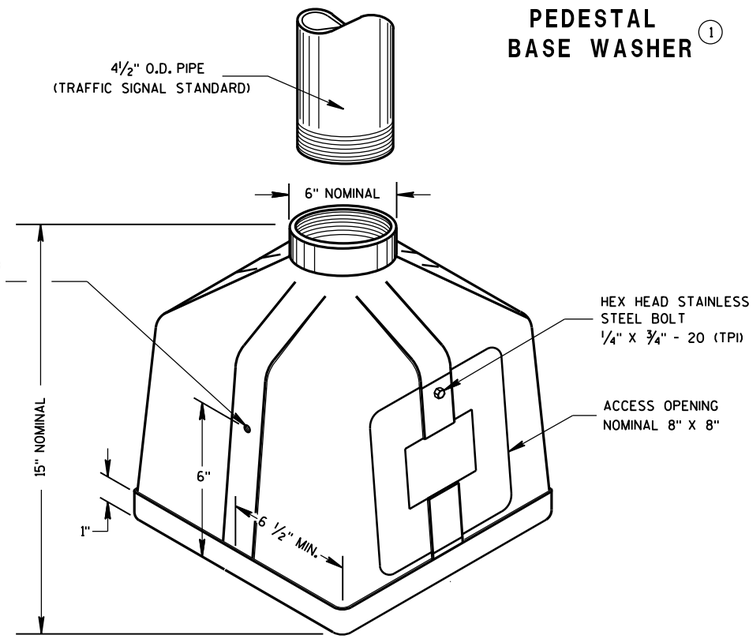


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

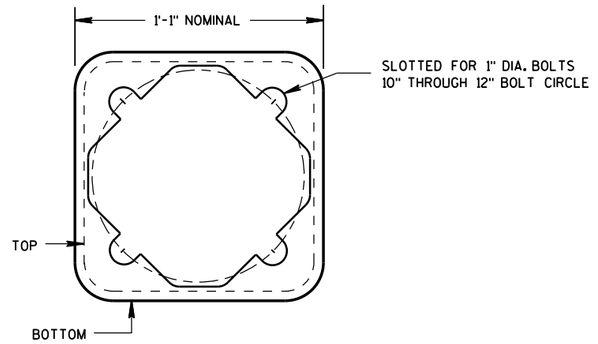


ISOMETRIC VIEW

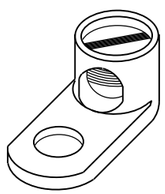


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

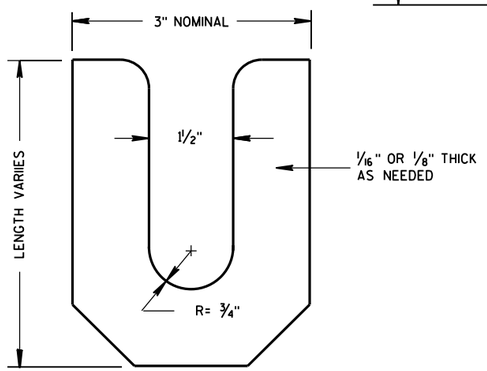


TYPICAL MECHANICAL CONNECTOR LUG

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

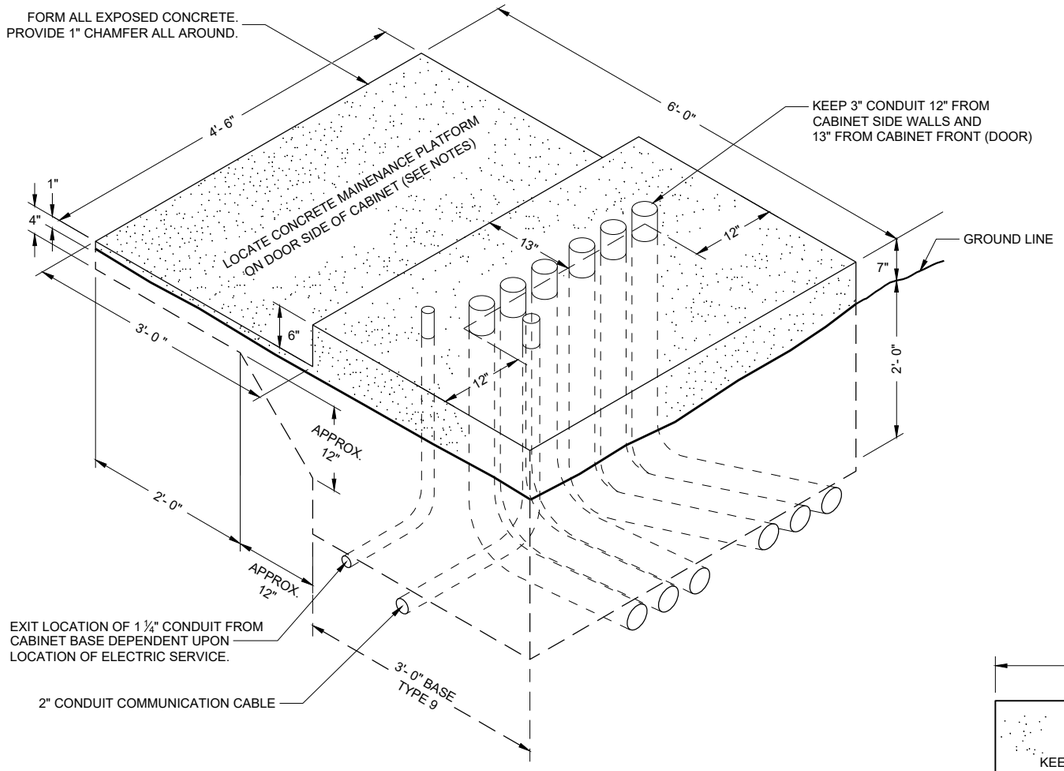
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S.D.D. 9 C 3-4

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S.D.D. 9 C 3-4

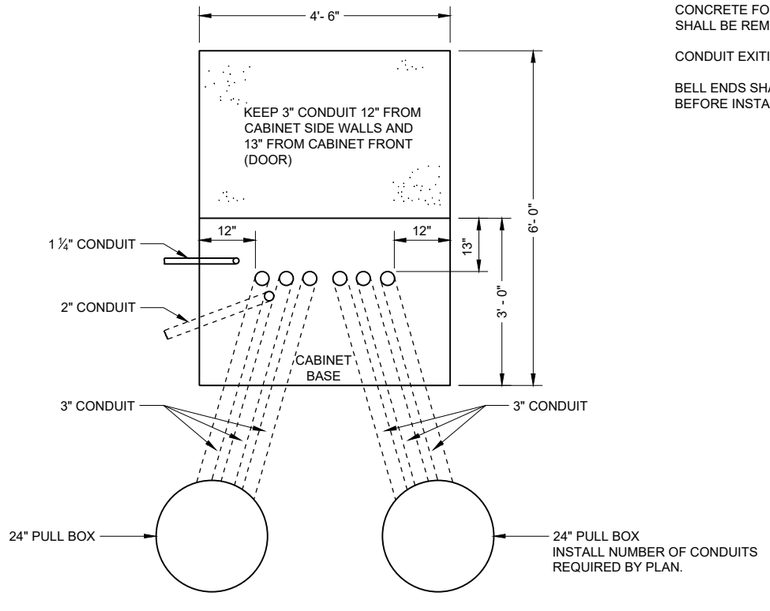
SDD 09C06 Concrete Control Cabinet Base, Type 9, Special



ISOMETRIC VIEW

TYPE 9 SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9 SPECIAL

GENERAL NOTES

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

INSTALL FOUR INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

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

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

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 (SIX 3") SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE TYPE 9, SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 312

FHWA

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SDD 09C06 - 07

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SDD 09C06 - 07

GENERAL NOTES

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

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING. A STEEL CASING OR CORRUGATED METAL PIPE IS ALLOWED TO REMAIN. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BASE IN LAYERS OF ONE FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 TIMES THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NON-METALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

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

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER RUN) EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

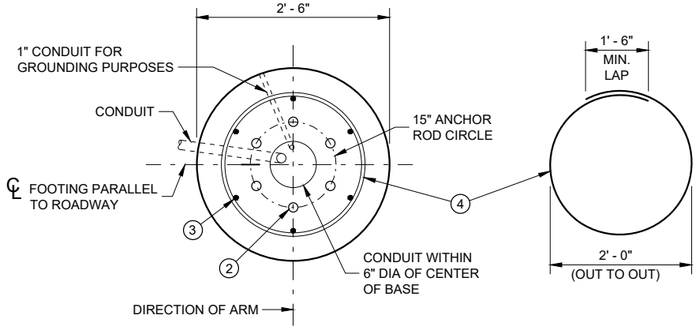
(2) (6) 1 ½ DIA. X 4' - 4" ANCHOR RODS

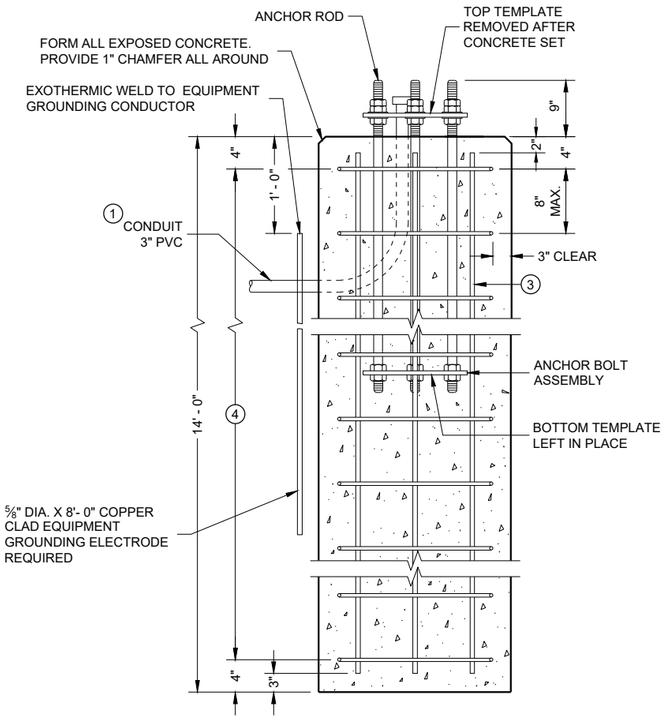
(3) (6) NO. 6 X 13' - 7" BAR STEEL REINFORCEMENT.

(4) (21) NO. 5 X 7'-10" BAR STEEL REINFORCEMENT @ 8" MAX. C-C.

CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE .....fy = 55,000 p.s.i.
WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION)
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.

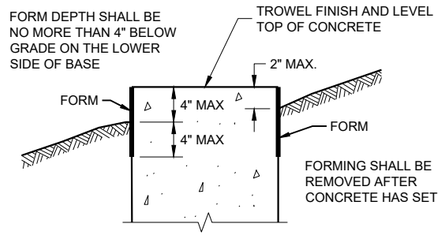
QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	2.5
LBS. OF HOOP BAR STEEL	172
LBS. OF VERTICAL BAR STEEL	122



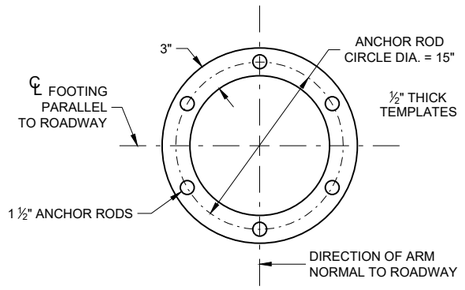


CONCRETE BASE, TYPE 10
(FOR TYPE 9, TYPE 10 AND OVER HEIGHT (OH) POLES)

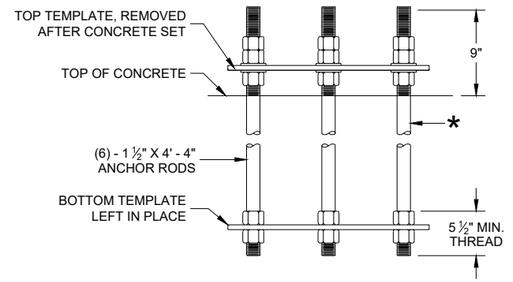
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE SDD 9C13 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.



FORMING DETAIL



TOP AND BOTTOM TEMPLATE



ANCHOR ROD ASSEMBLY DETAILS

* THREAD TOP 10" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5 ½" FOR 2 NUTS PER ANCHOR ROD. HOT DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR ROD (ASTM A123) AND HOT DIP NUTS AND WASHERS (ASTM A153. USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

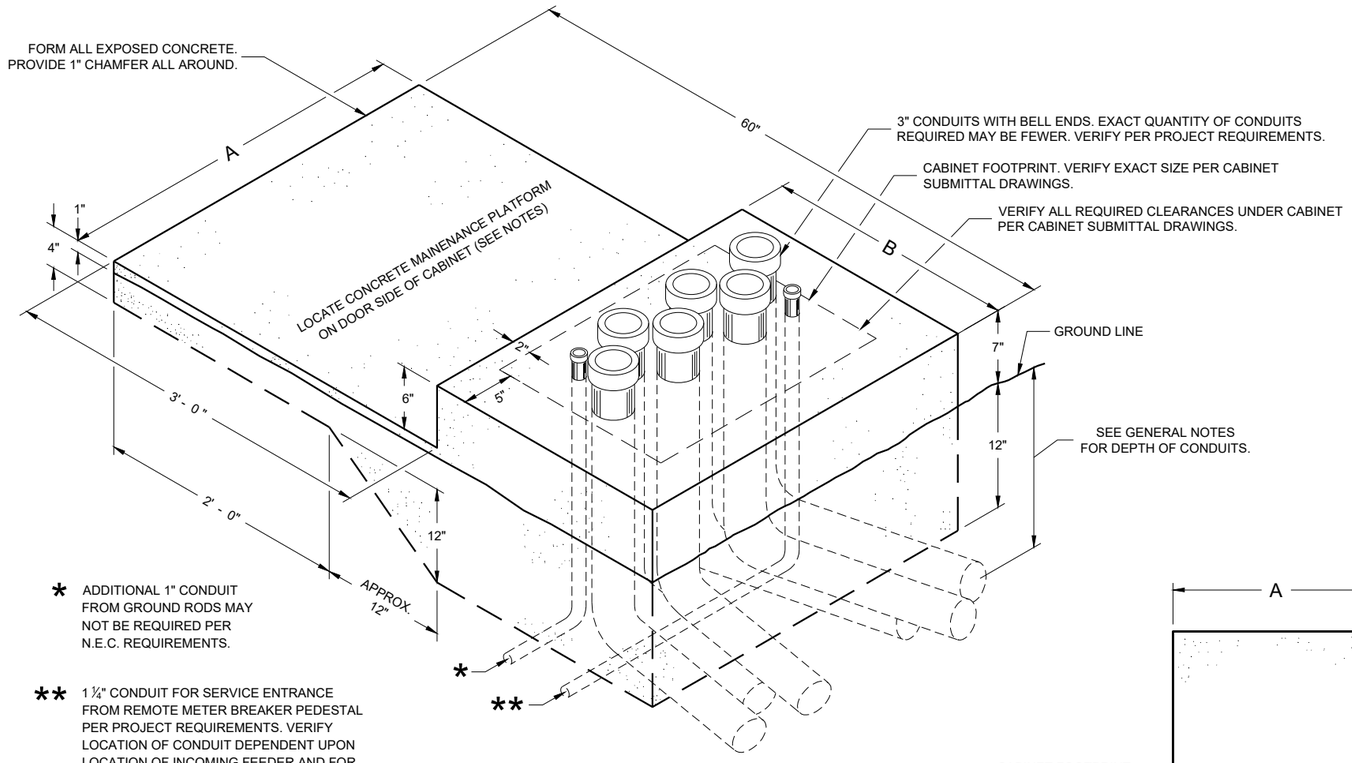
CONCRETE BASE TYPE 10

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demerbilek — WIND LOADED STRUCTU PROGRAM LEADER
FHWA

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SDD 09C11 - 10



* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

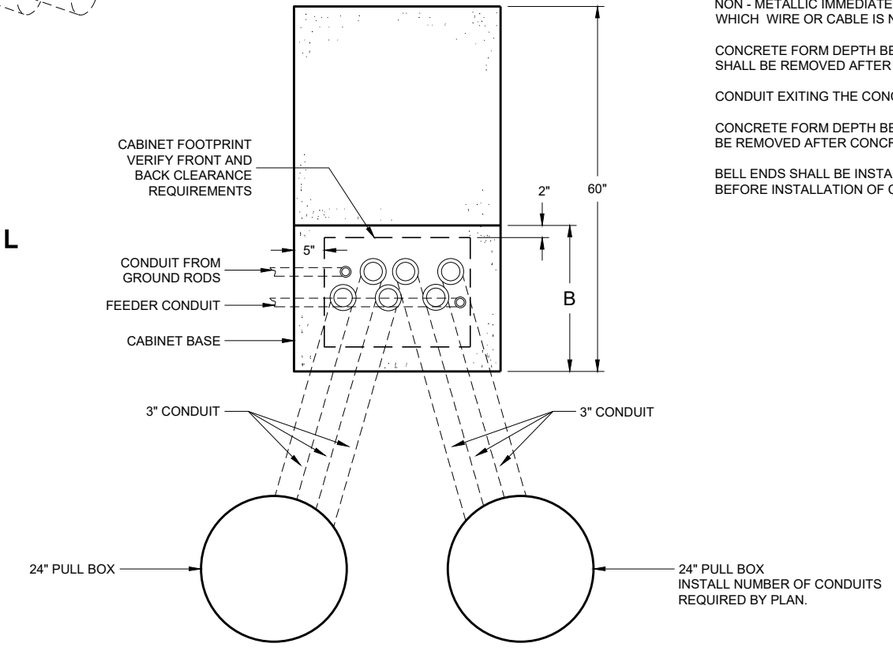
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

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 314

FHWA

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SDD 09C14 - 03

GENERAL NOTES

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

THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING. A STEEL CASING OR CORRUGATED METAL PIPE IS ALLOWED TO REMAIN. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BASE IN LAYERS OF ONE FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

ANY DAMAGE TO THE CONCRETE BASE AND ANCHOR RODS DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

THE REINFORCEMENT AND ANCHOR RODS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR RODS STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

FORM ALL EXPOSED CONCRETE CORNERS WITH 1" CHAMFER ALL AROUND. TOP OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 TIMES THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 ½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NON-METALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

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

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

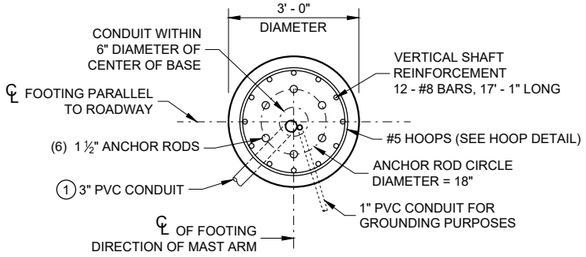
A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

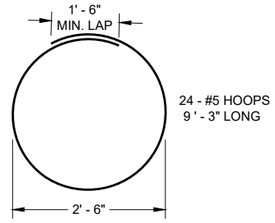
THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER RUN) EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

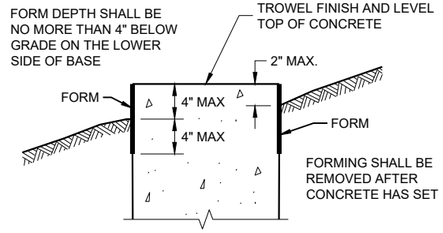
CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION).....fy = 55,000 p.s.i.
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.



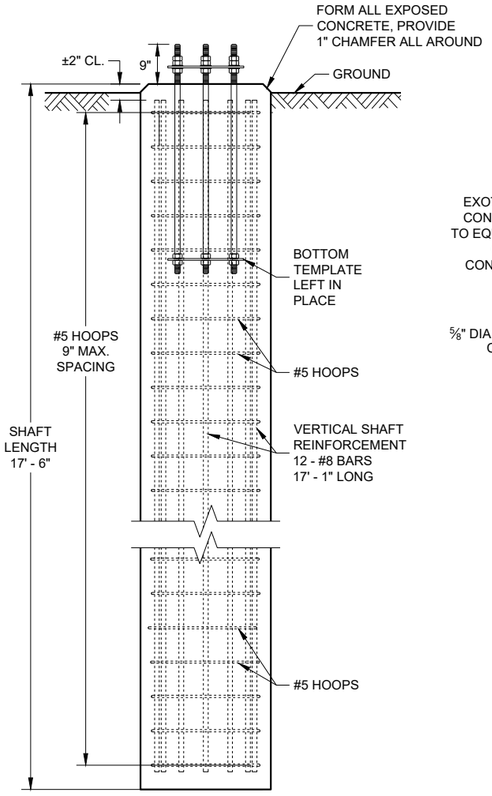
PLAN VIEW



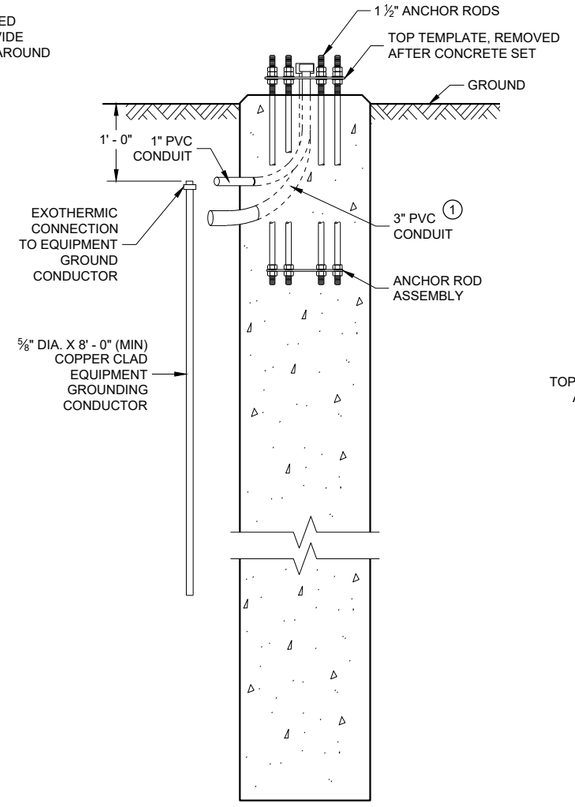
HOOP DETAIL



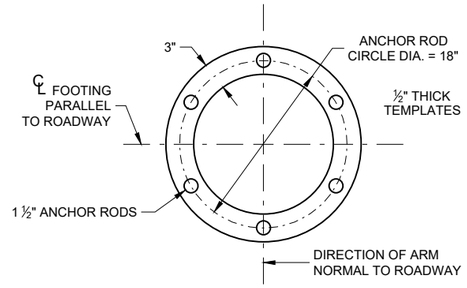
FORMING DETAIL



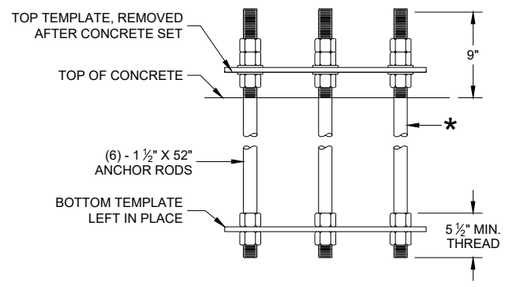
ELEVATION VIEW
(CONDUITS NOT SHOWN ON THIS VIEW FOR CLARITY)



SIDE VIEW
(HOOPS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN ON THIS VIEW FOR CLARITY)



TOP AND BOTTOM TEMPLATE



ANCHOR ROD ASSEMBLY DETAILS

* THREAD TOP 10" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5 ½" FOR 2 NUTS PER ANCHOR ROD. HOT DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR ROD (ASTM A123) AND HOT DIP NUTS AND WASHERS (ASTM A153. USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

CONCRETE BASE, TYPE 10 SPECIAL
(FOR TYPE 9 SPECIAL AND TYPE 10 SPECIAL POLES)

CONCRETE = 4.6 CUBIC YARD
H.S. REINFORCEMENT = 779 LBS.

FOR USE WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.

CONCRETE BASE TYPE 10 SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

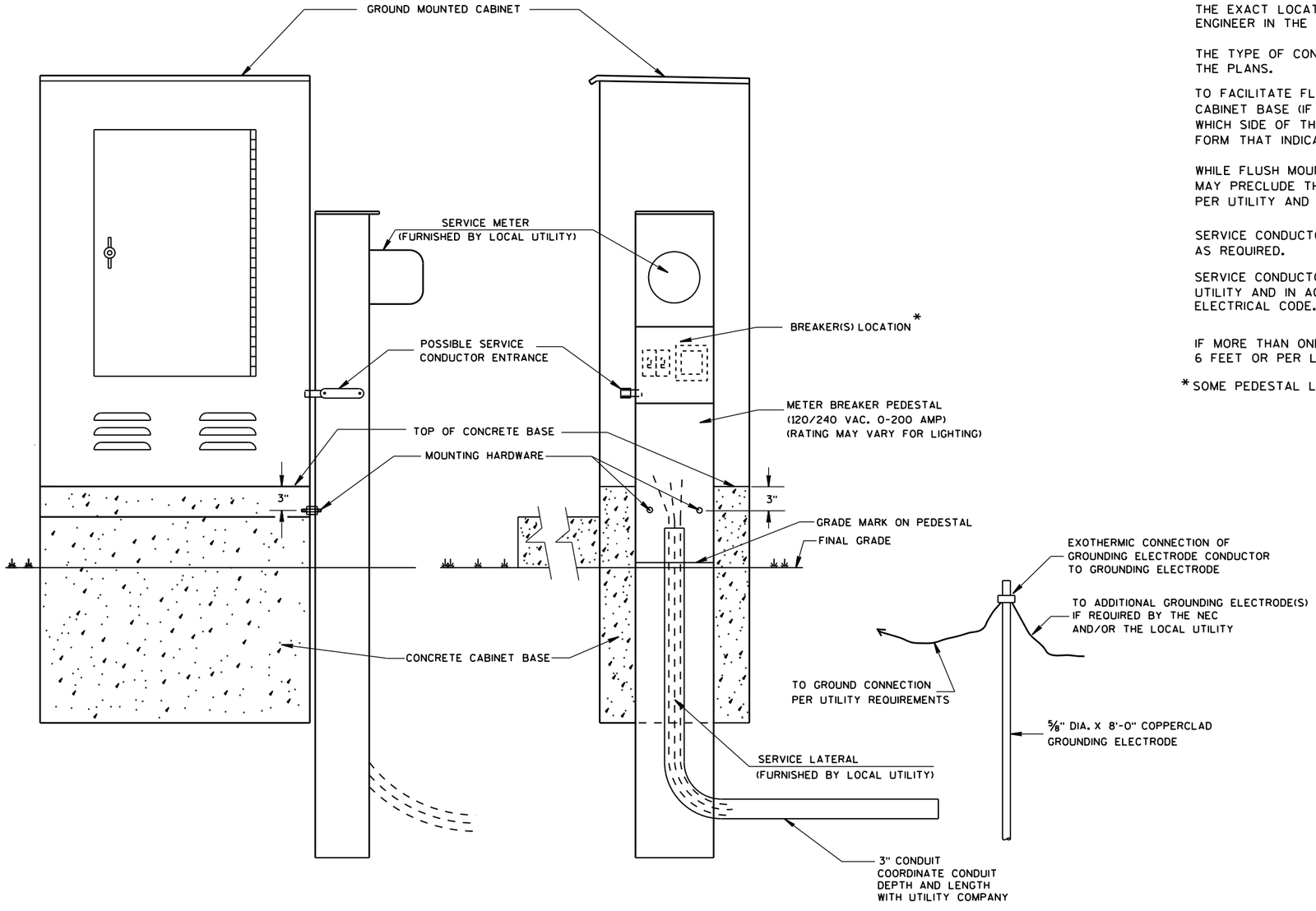
APPROVED
August 2020 — DATE
/S/ Alex Crabtree — WIND LOADED STRUCTU PROGRAM LEADER
FHWA

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SDD 09C15 - 01

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SDD 09C15 - 01



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

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

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

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S.D.D. 9 D 1-5

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S.D.D. 9 D 1-5

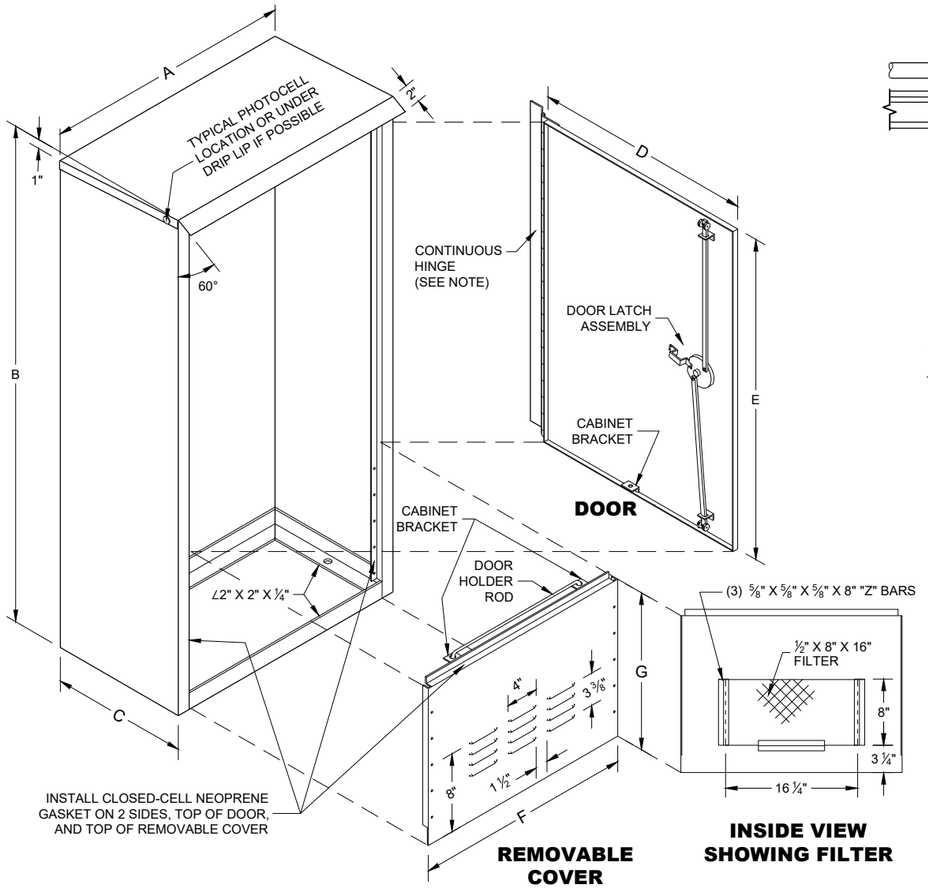
CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

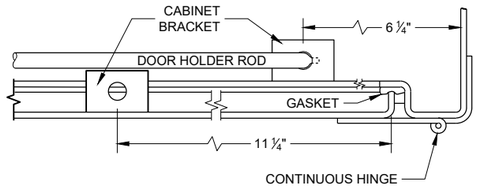
/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA

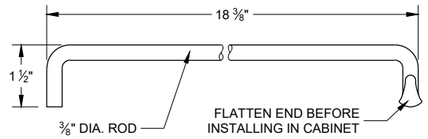


REMOVABLE COVER

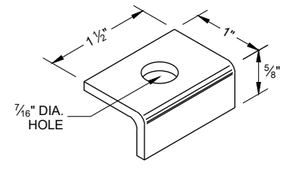
INSIDE VIEW SHOWING FILTER



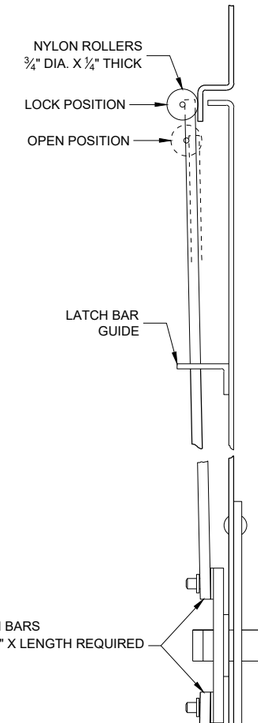
HINGE AND DOOR HOLDER



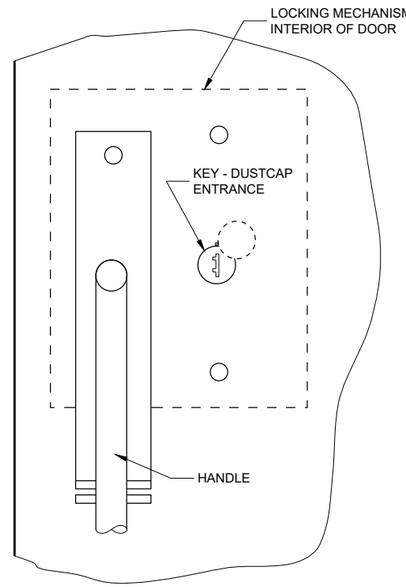
HOLDER ROD



CABINET BRACKET



SIDE VIEW



FRONT VIEW

LATCH ASSEMBLY

GENERAL NOTES

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

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

FINISH EXTERIOR SURFACES WITH RUSTOLEUM #906 SILVER GRAY OR APPROVED EQUAL.

FINISH INTERIOR WITH RUSTOLEUM #2766 HIGH GLOSS WHITE ENAMEL OR APPROVED EQUAL.

ALL SHEET METAL PARTS SHALL BE .125 INCH THICK ALUMINUM.

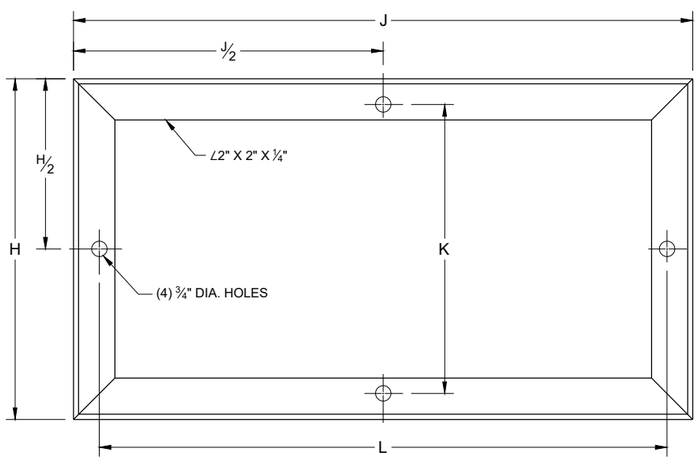
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH ¼" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH ¼" X 20 TPI STAINLESS STEEL CARRIAGE BOLTS AND STAINLESS STEEL NYLOCK NUTS.

A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH - NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST.

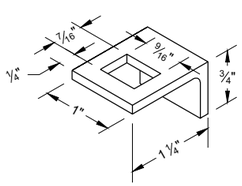
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 ½	16 ½	24
D	26 ½	34 ¾	33 ¾
E	38 ¾	38 ¾	38 ¾
F	26 ½	34 ¾	33 ¾
G	19	19	25
H	16 ½	16 ½	24
H/2	8 ¼	8 ¼	12
J	30	38	38
J/2	15	19	19
K	13 ¾	13 ¾	21 ¼
L	27 ½	35 ½	35 ½



LATCH BAR GUIDE

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SDD 09D02 - 03

SIGNAL CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI

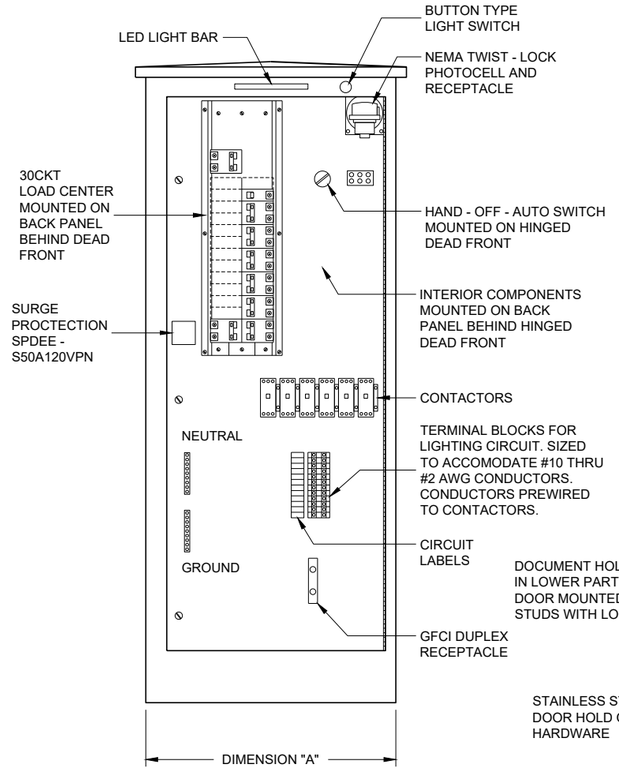
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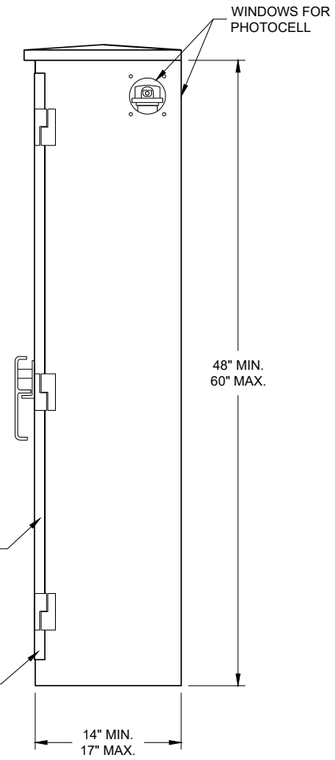
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SDD 09D02 - 03

FRONT INTERIOR ELEVATION



SIDE VIEW



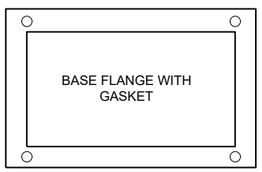
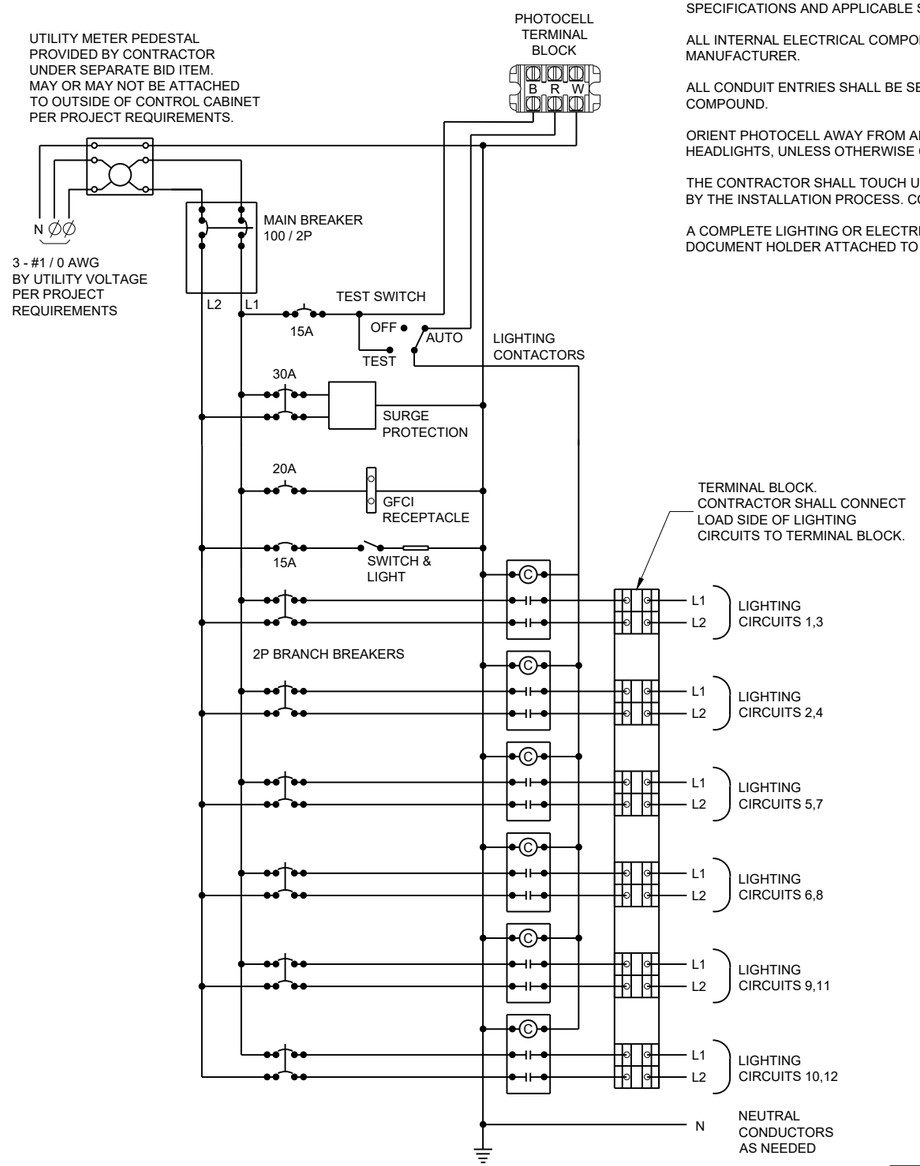


TABLE OF DIMENSIONS (INCHES)		
CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

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

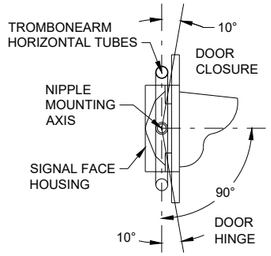
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

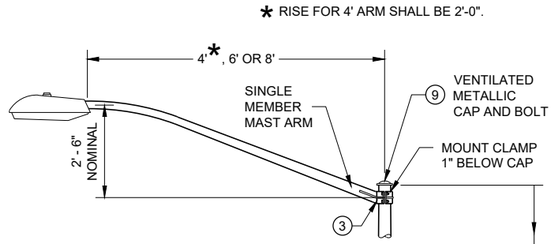
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 318

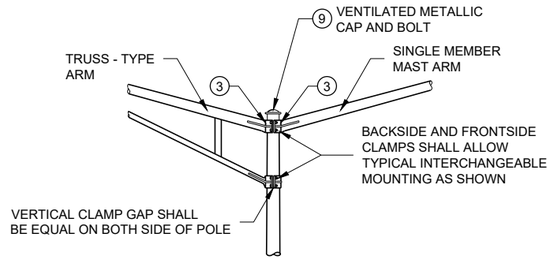
FHWA

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SDD 09D04 - 03

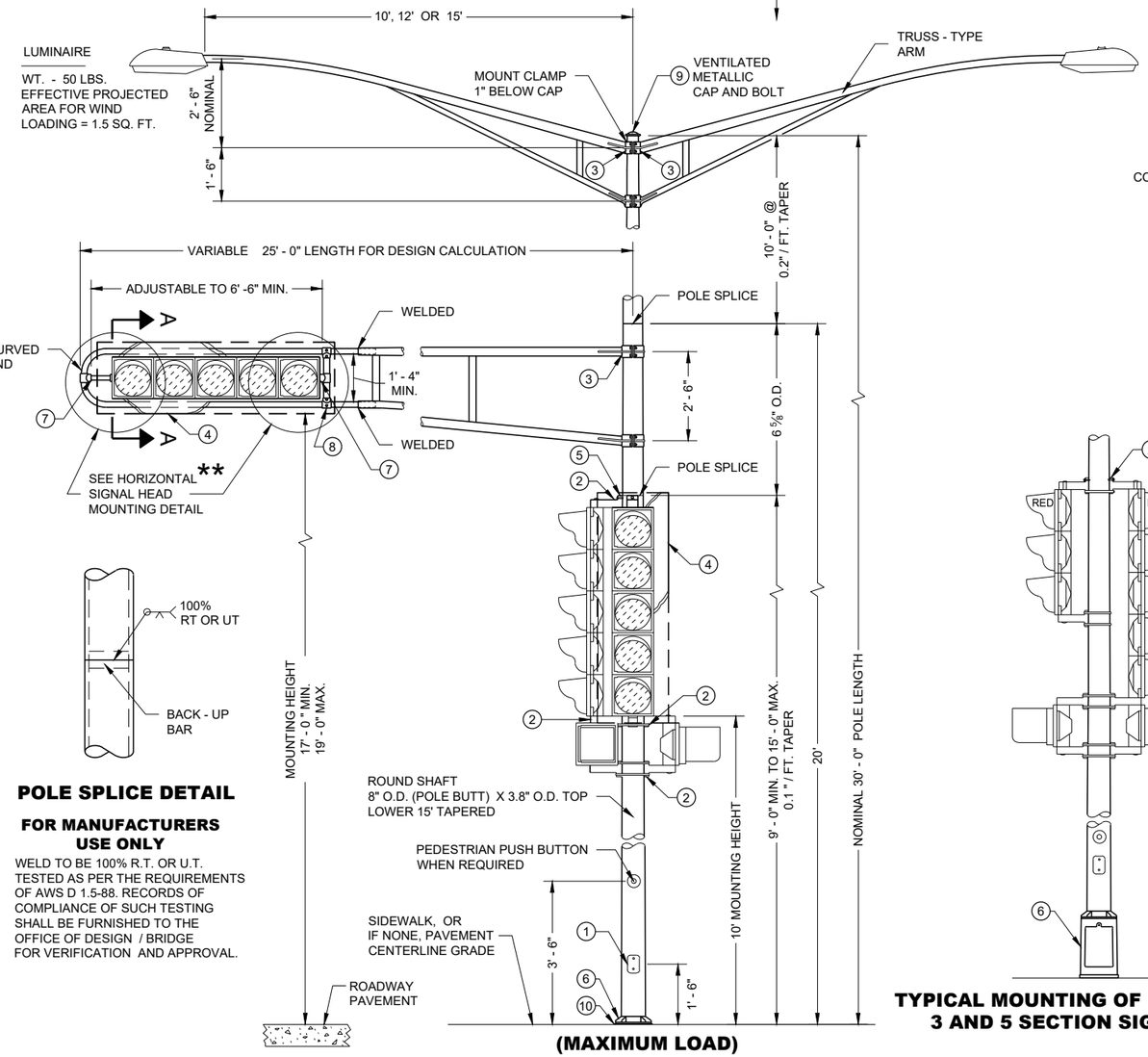


SECTION A-A

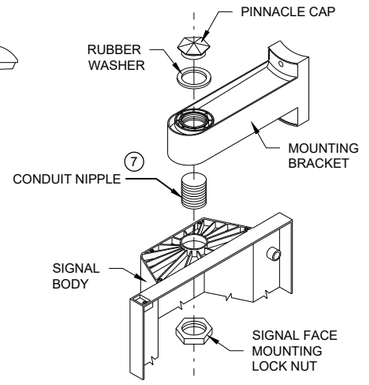




INTERCHANGEABLE MOUNTING DETAIL



(MAXIMUM LOAD)

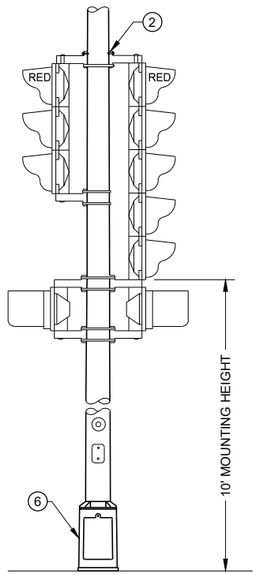


SIGNAL FACE MOUNTING DETAIL
(BANDED)

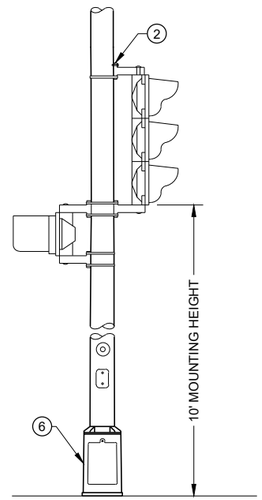
POLE SPLICE DETAIL

FOR MANUFACTURERS USE ONLY

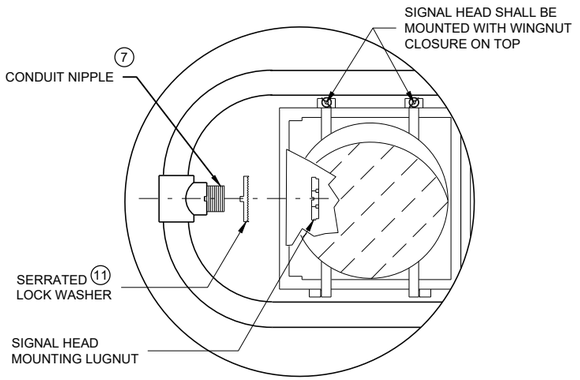
WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD ** MOUNTING DETAIL

** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

TYPE 3 POLE MOUNTING CONFIGURATION

GENERAL NOTES

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

ALL TYPE 3 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 3/8 INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 3/8" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED. UNDER MAX LOADING, TYPE 3 POLE SHALL BE MOUNTED DIRECTLY TO ITS CONCRETE BASE.

(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUT IS THE SLIDING TYPE.

(9) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

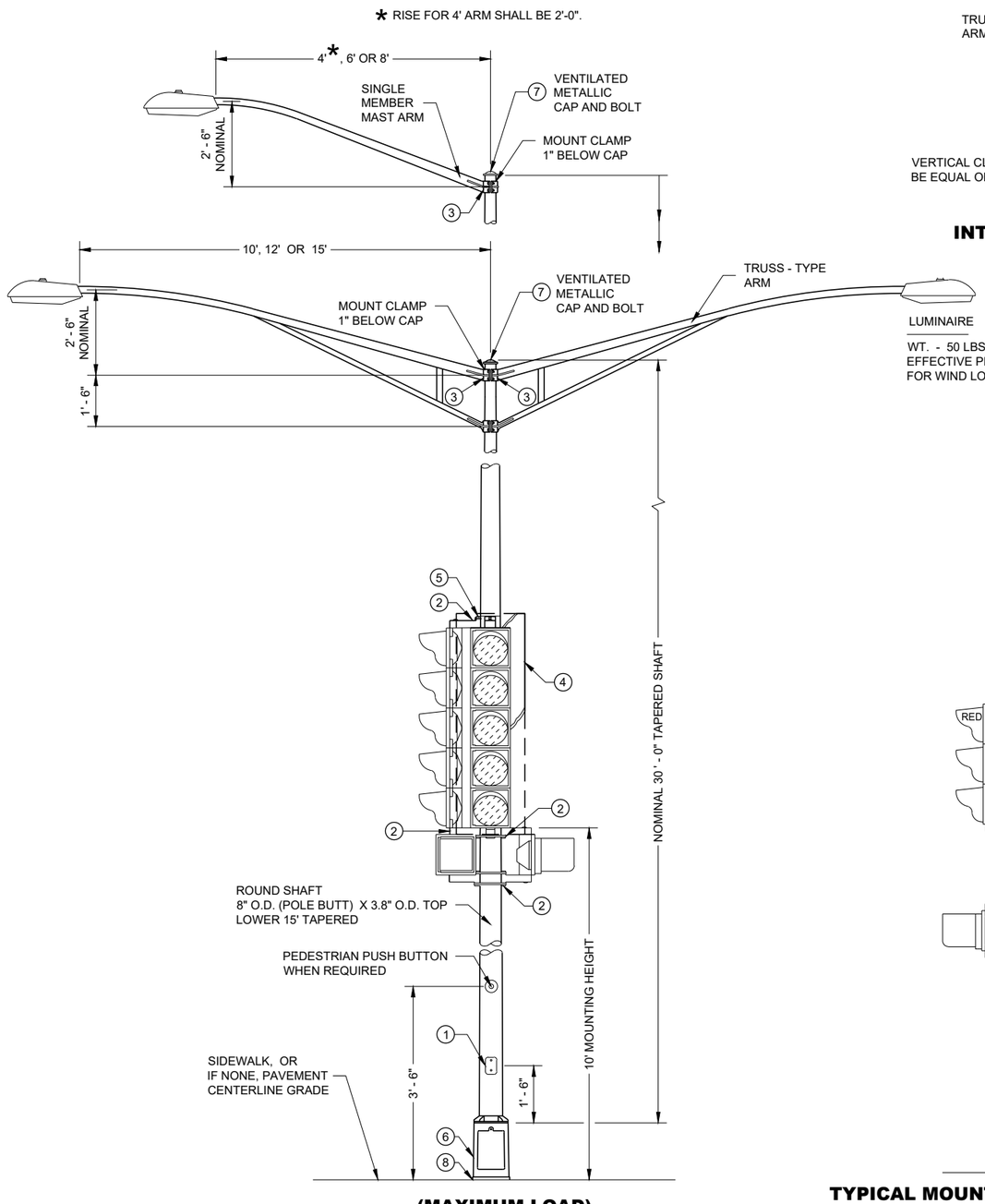
(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS TYPE 3 (HEAVY DUTY)

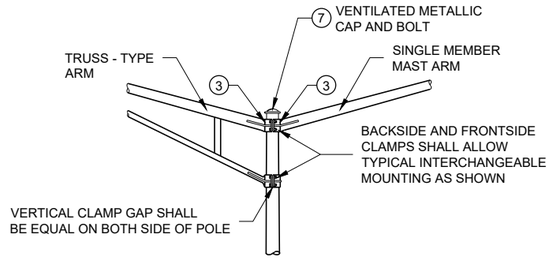
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(MAXIMUM LOAD)



INTERCHANGEABLE MOUNTING DETAIL

GENERAL NOTES

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

ALL TYPE 4 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL WITH A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

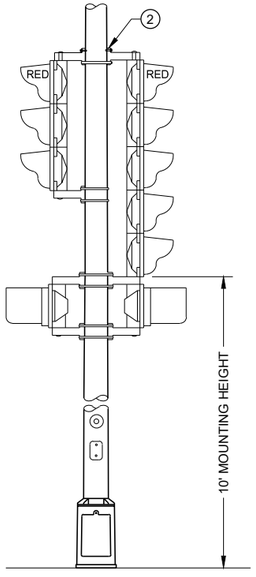
(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

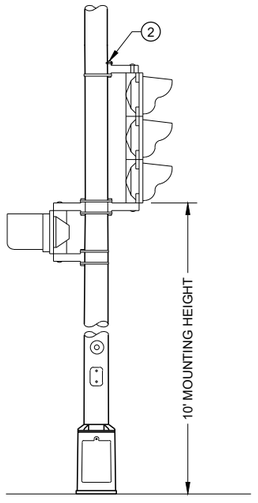
(7) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(8) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

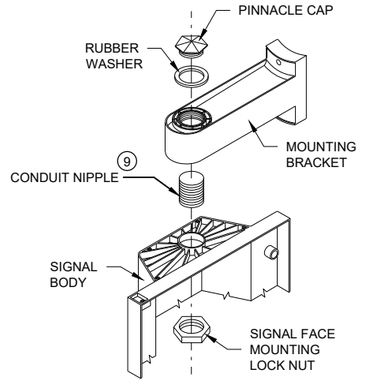
(9) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



SIGNAL FACE MOUNTING DETAIL
(BANDED)

TYPE 4 POLE MOUNTING CONFIGURATION

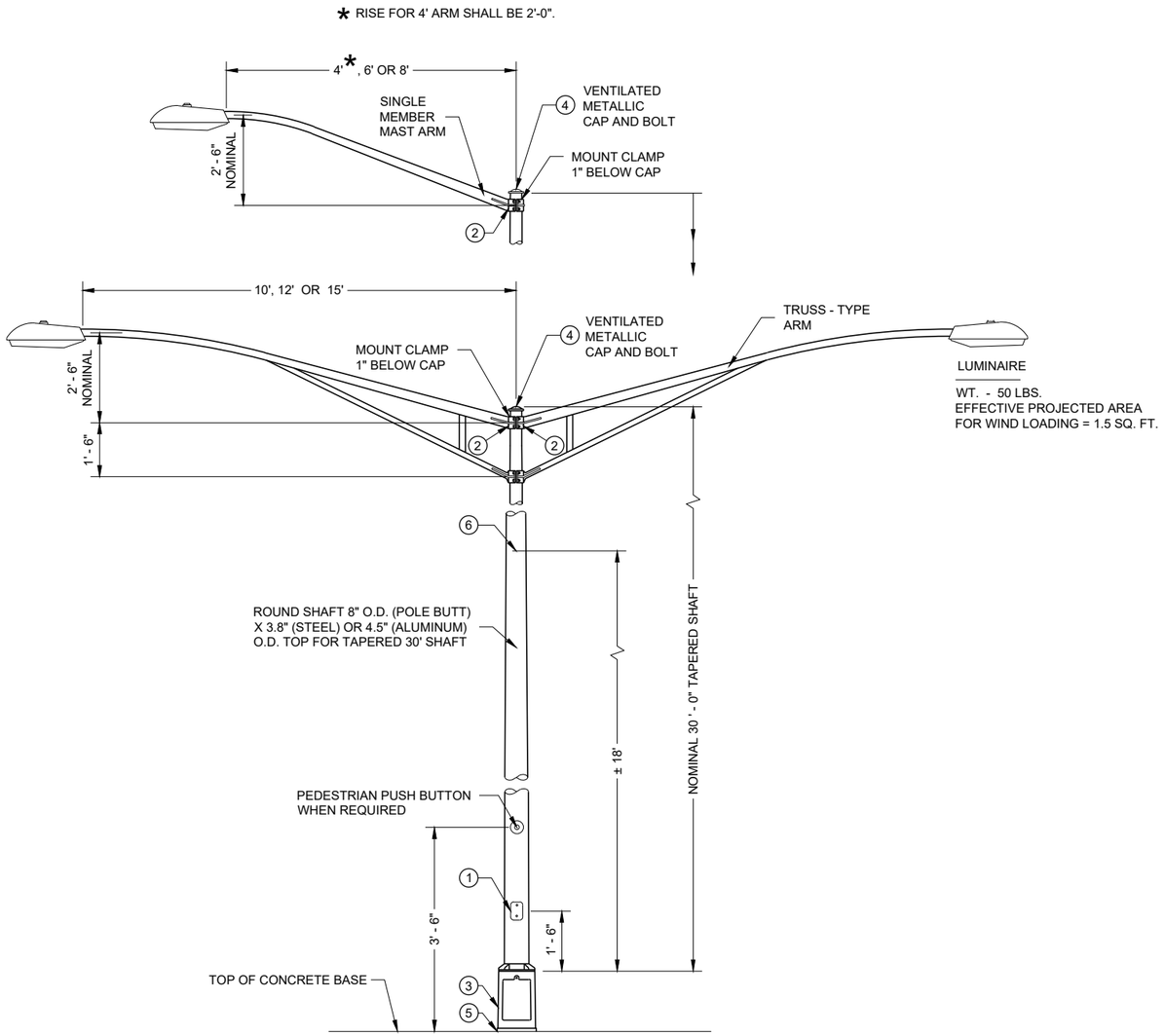
POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 4

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TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY

GENERAL NOTES

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

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.1888".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

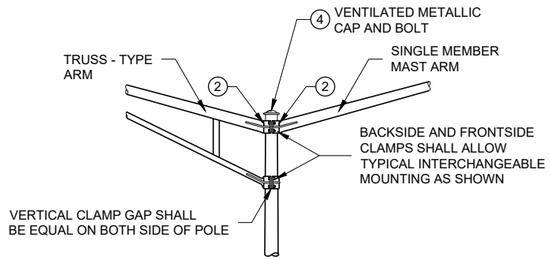
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.



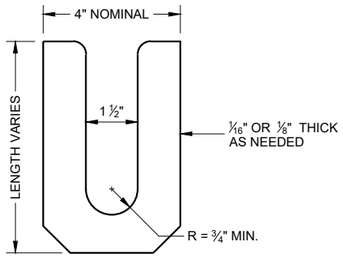
INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

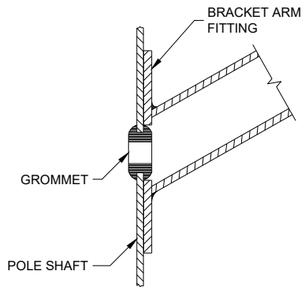
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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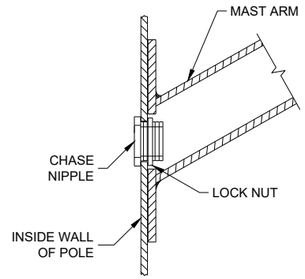
SDD 09E01 - 15d



LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

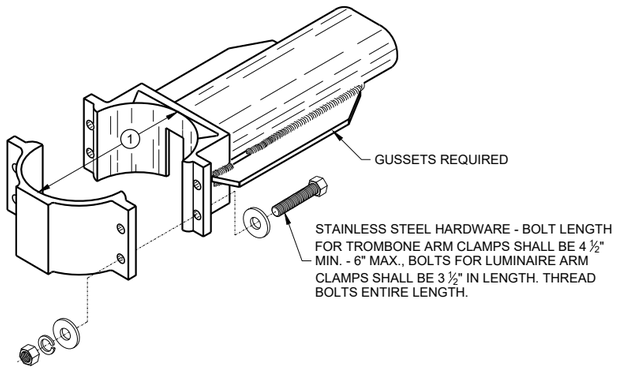
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

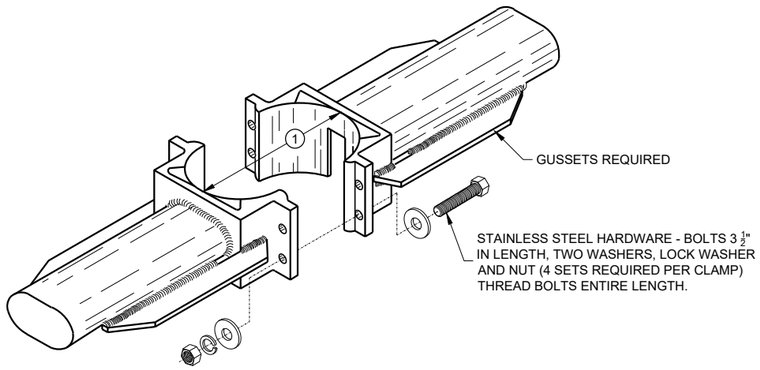
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

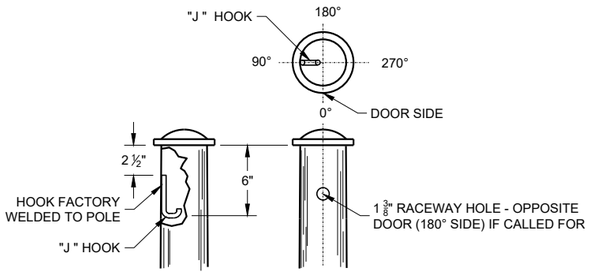
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



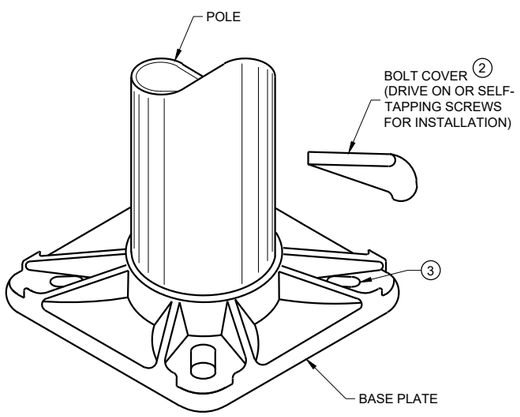
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



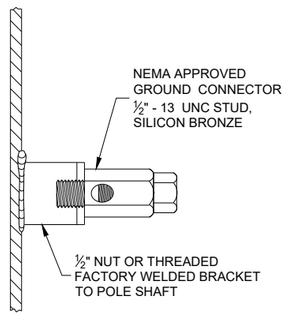
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

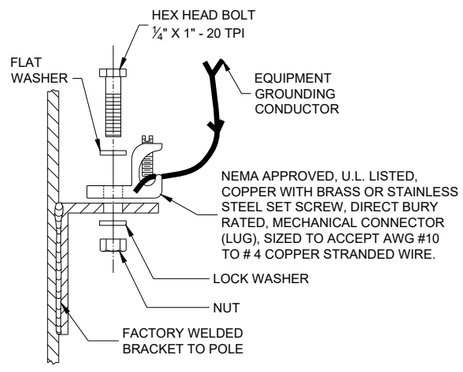


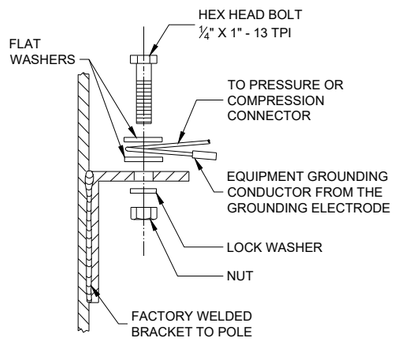
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 322

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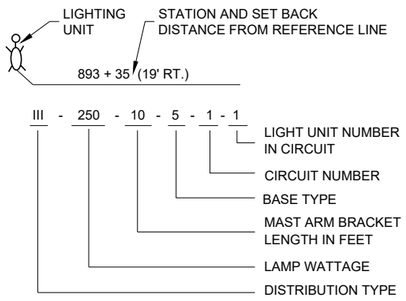
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GENERAL NOTES

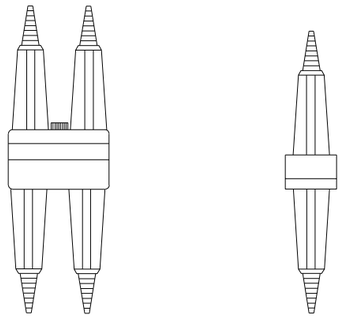
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

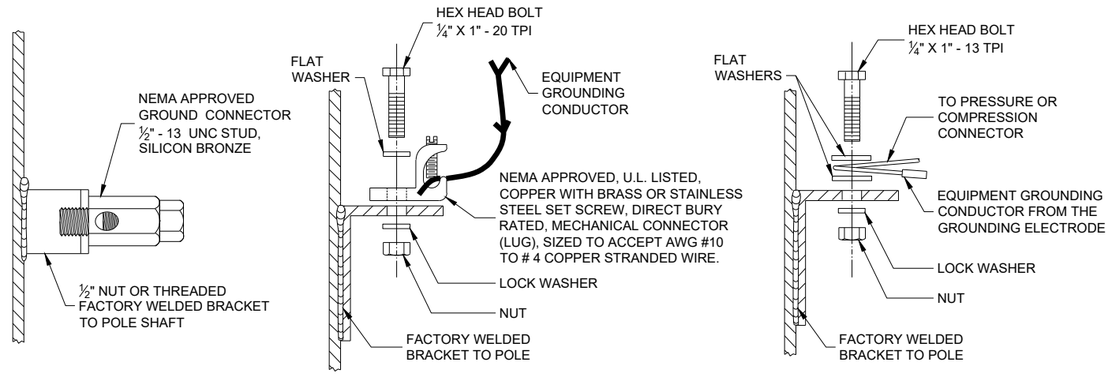


LIGHTING UNIT CODE
(TYPICAL)

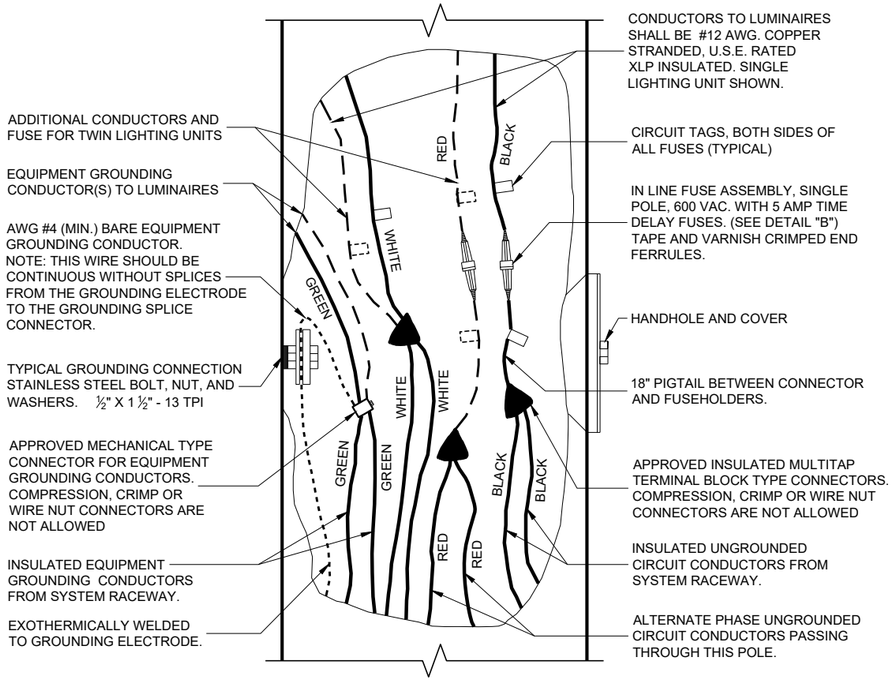


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

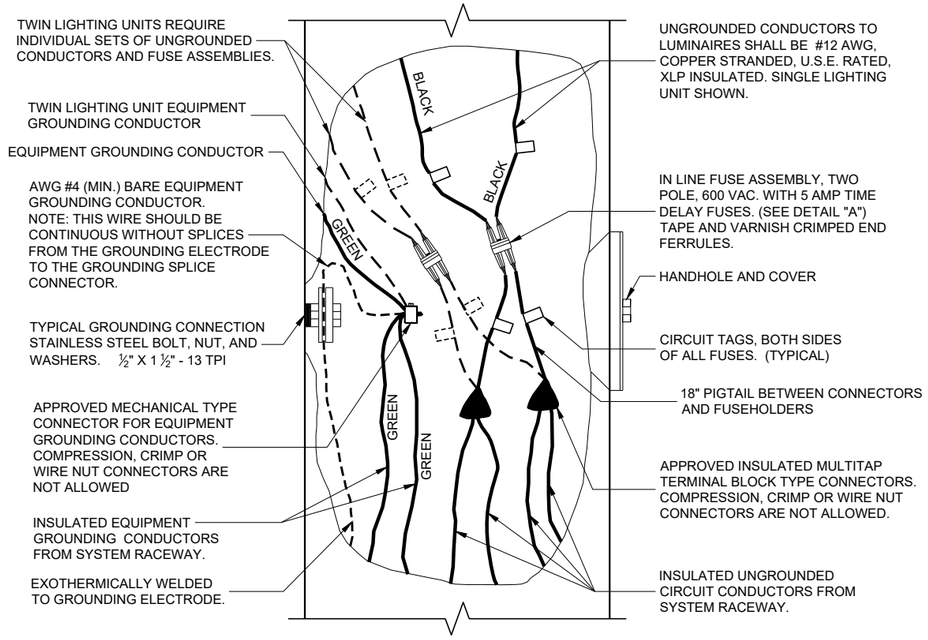
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



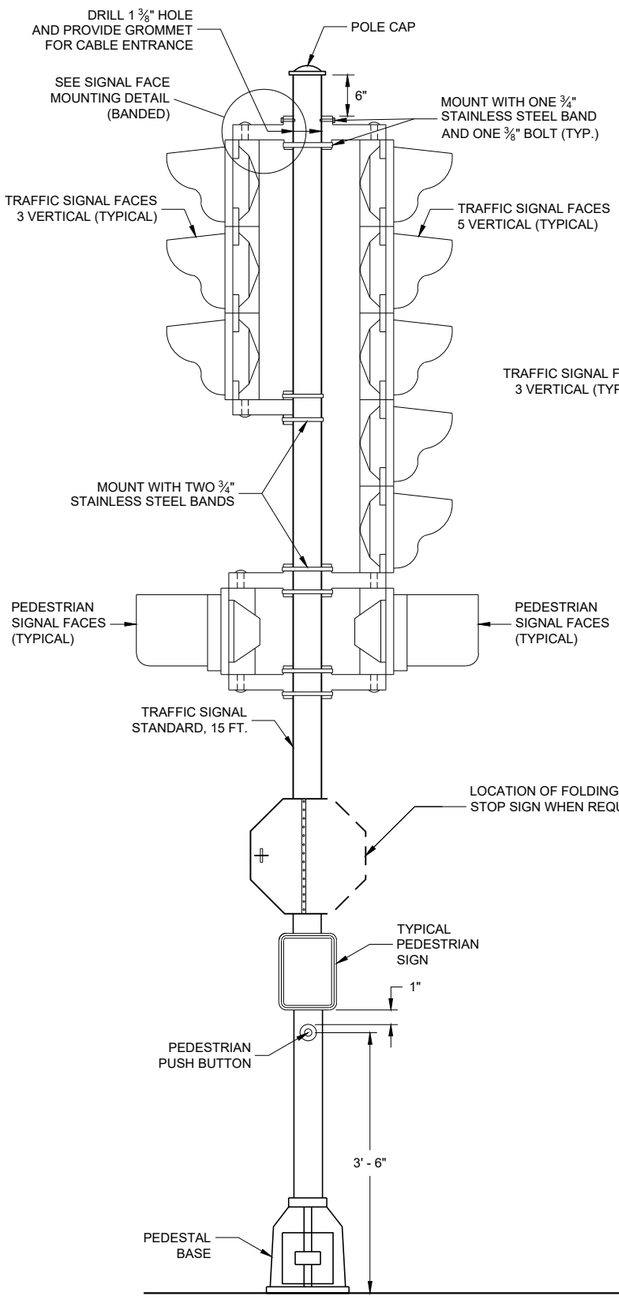
2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

NON - FREEWAY LIGHTING UNIT POLE WIRING

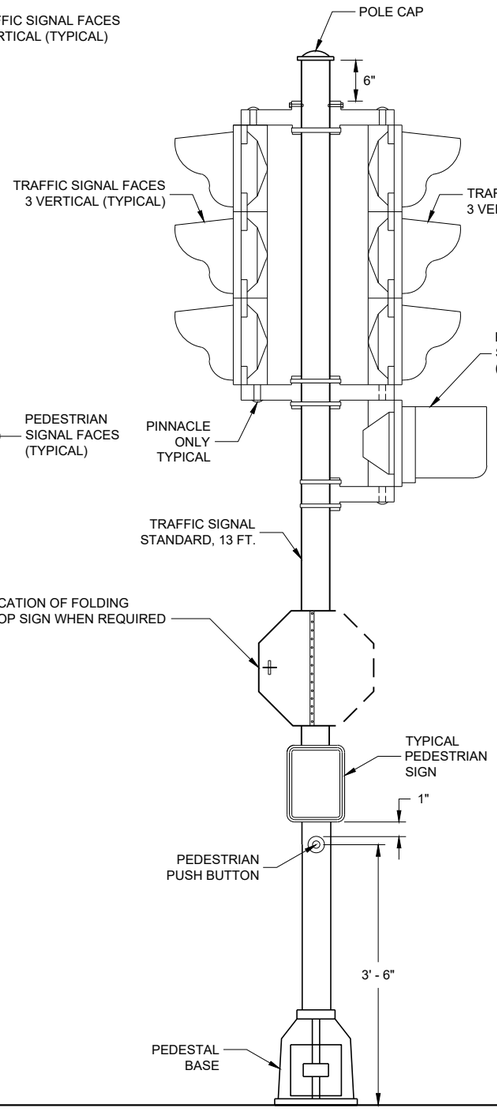
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 323

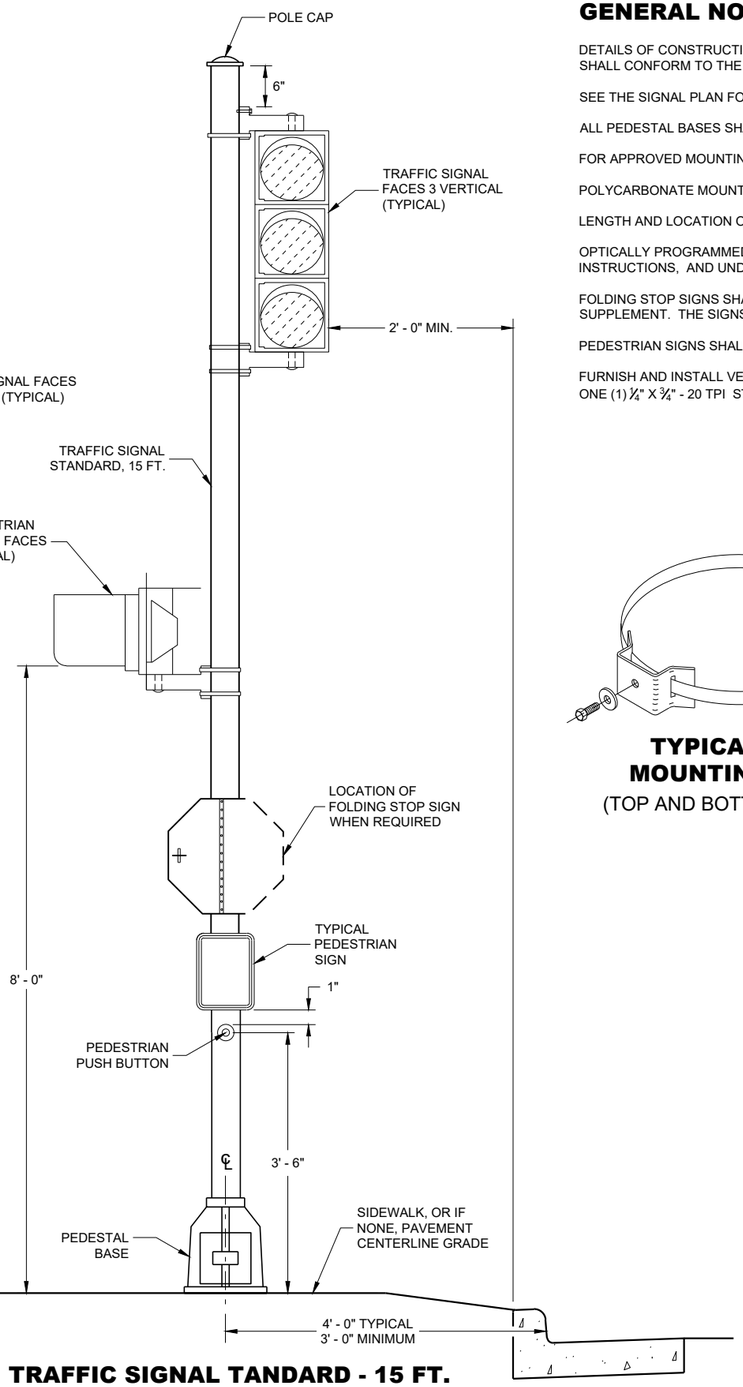
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TRAFFIC SIGNAL STANDARD - 15 FT.



TRAFFIC SIGNAL STANDARD - 13 FT.



TRAFFIC SIGNAL TANDARD - 15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

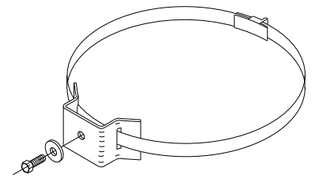
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

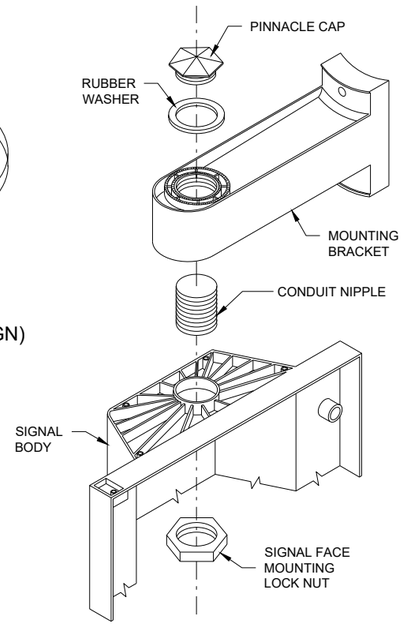
FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) 1/4" X 3/4" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



SIGNAL FACE MOUNTING DETAIL (BANDED)

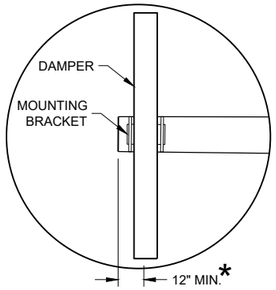
TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

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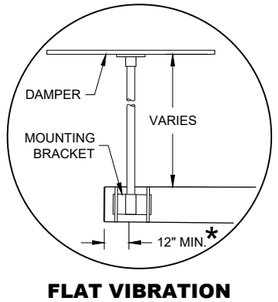
APPROVED
2/28/2013
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 324

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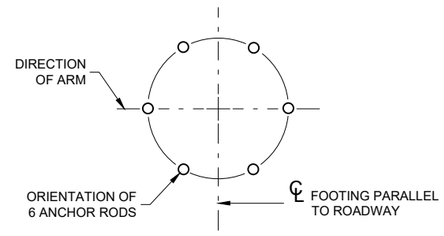


DUMBBELL VIBRATION DAMPER

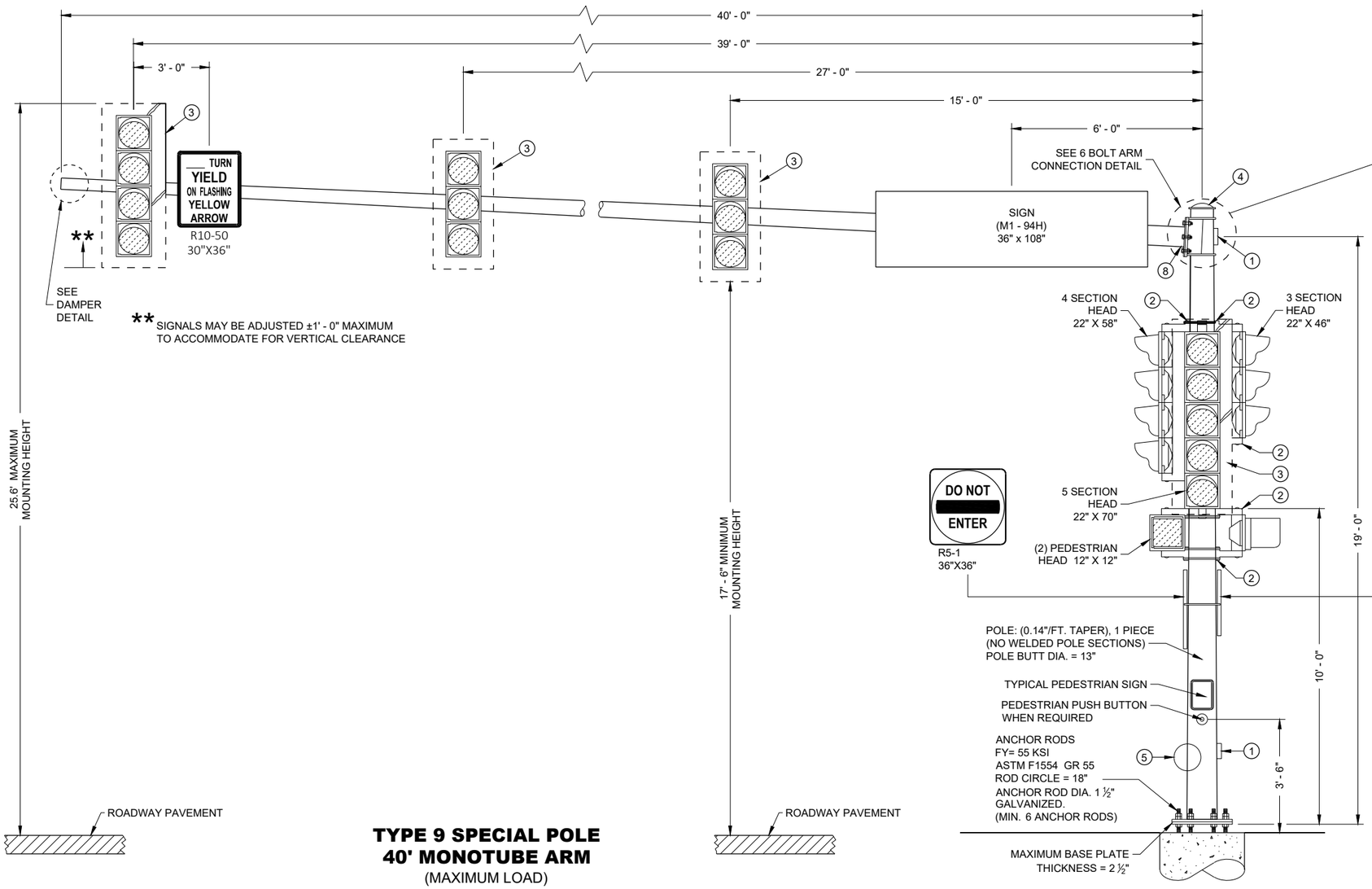


FLAT VIBRATION DAMPER

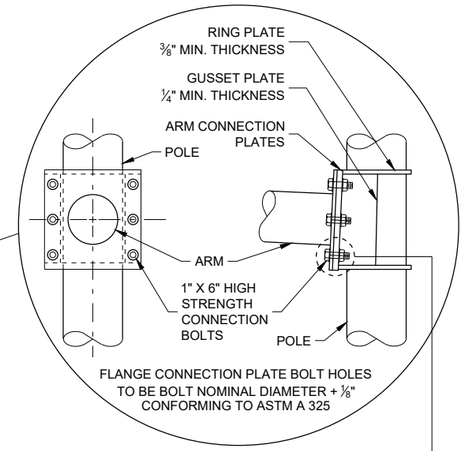
* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.



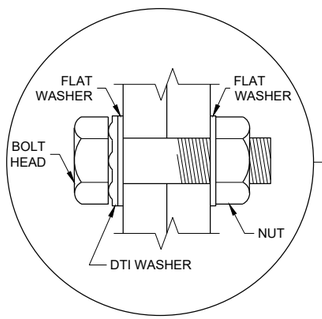
ANCHOR ROD LOCATION



TYPE 9 SPECIAL POLE 40' MONOTUBE ARM
(MAXIMUM LOAD)



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 9 SPECIAL POLE 40' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 325
FHWA

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SDD 09E08 - 09c

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SDD 09E08 - 09c

GENERAL NOTES

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

POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15 FOOT TO 30 FOOT.

POLE TYPES 9 SPECIAL AND 10 SPECIAL ARE FOR ARM LENGTHS 35 FOOT, 40 FOOT, AND 45 FOOT.

POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35 FOOT TO 55 FOOT.

MONOTUBE POLES AND ARMS SHALL BE GALVANIZED STEEL.

RING STIFFENED BUILT UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3% ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATION SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNAL 2015 1ST EDITION (INCLUDING INTERIM REVISIONS)" AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR THE LIGHTING STRUCTURES AS FOLLOWS:

CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.

CATEGORY II FATIGUE LOADS OF TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 SPECIAL AND TYPE 10 SPECIAL STRUCTURES. IN LIEU OF DESIGNING FOR GALLOPING, A VIBRATION DAMPER MITIGATION DEVICE IS REQUIRED TO BE SUPPLIED AND INSTALLED AT THE END OF THE MAST ARM.

CATEGORY II FATIGUE FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE12 AND TYPE 13 STRUCTURES.

115 MPH (700 YEAR MRI BASIC WIND SPEED).

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" STAINLESS STEEL BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT.

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR A S DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL. MOUNT ALL LIKE HEAD AT SAME ELEVATION.

SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

(1) DESIGN FOR MAXIMUM ALLOWABLE HAND HOLE WITH COVER ASSEMBLY WITH TWO ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

(2) SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING (SEE SPECIFICATION SECTION 658).

(3) SECURELY MOUNT BACK PLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS.

(4) THE TOP OF THE POLE SHAFT AND THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

(5) FACTORY WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HAND HOLD, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.

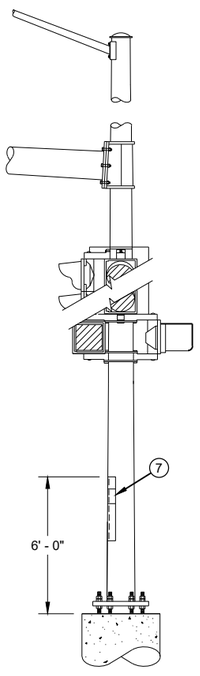
(6) FACTORY WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

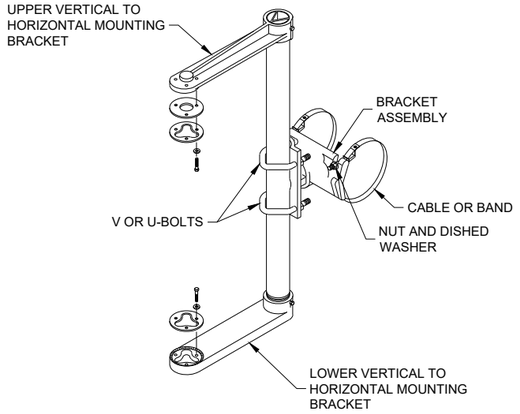
STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

MOUNTING HEIGHT SHALL BE 6' - 0" ABOVE THE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

(8) FACTORY DRILLED ½" DRAIN HOLE 2" FROM FLANGE CONNECTION PLATE.

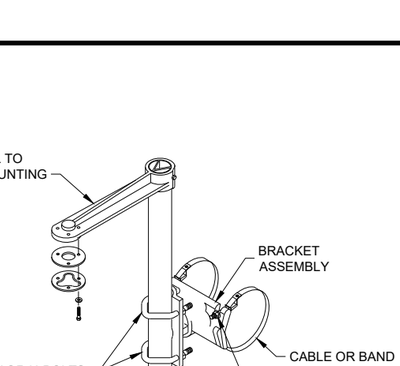


STRUCTURAL IDENTIFICATION PLAQUE PLACEMENT



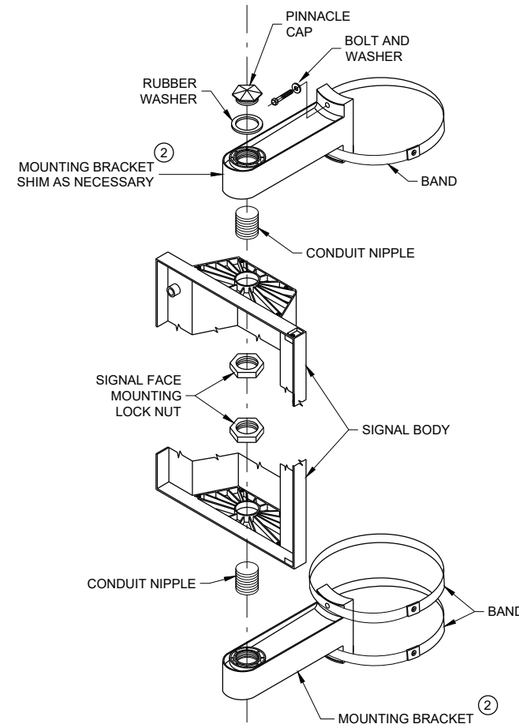
SIGNAL FACE MOUNTING BRACKET DETAIL FOR MONOTUBE ARM

(MOUNT PER MANFACTURER'S RECOMMENDATION)

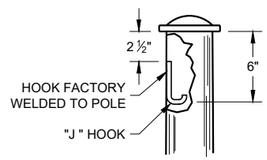


TYPICAL GROUNDING CONNECTIONS (5)

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



SIGNAL FACE VERTICAL MOUNTING DETAIL



TYPICAL "J" HOOK WIRE SUPPORT (6)

GENERAL NOTES AND HARDWARE FOR TYPES 9,10, 9/10 SPECIAL, 12 AND 13 POLES WITH MONOTUBE ARMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGINEER

FHWA

6

SDD 09E08 - 09k

GENERAL NOTES

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

OVER HEIGHT POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15-FOOT TO 30-FOOT.

OVER HEIGHT POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35-FOOT TO 55-FOOT.

MONOTUBE POLE AND ARM SHALL BE GALVANIZED STEEL.

RING-STIFFENED BUILT-UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE (1) PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3 % ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNAL 2015 1ST EDITION (INCLUDING 2017 INTERIM REVISIONS) AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR TRAFFIC AND LIGHTING STRUCTURES AND AS FOLLOWS:

- CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.
- CATEGORY II FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 12 AND TYPE 13 STRUCTURES.
- 90 MPH (3-SECOND GUST) WIND SPEED AND A 50 YEAR DESIGN LIFE.

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" S.S. BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT.

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR AS DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL. MOUNT ALL LIKE HEADS AT SAME ELEVATION.

SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

(1) DESIGN FOR MAXIMUM ALLOWABLE HANDHOLE WITH COVER ASSEMBLY WITH TWO ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

(2) SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING, (SEE SPECIFICATIONS SEC. 658).

(3) SECURELY MOUNT BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS.

(4) THE TOP OF THE POLE SHAFT AND THE END OF THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

(5) FACTORY-WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HANDHOLE, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.

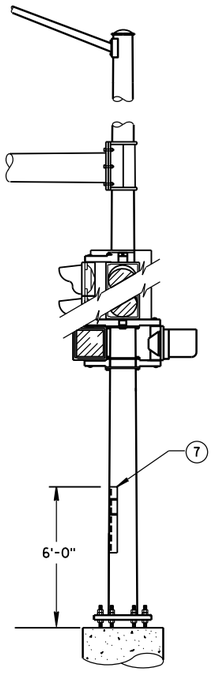
(6) FACTORY-WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

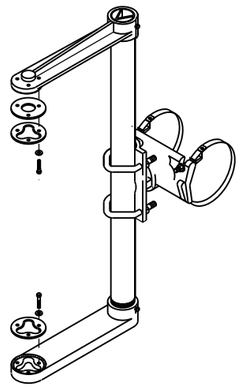
STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

MOUNTING HEIGHT SHALL BE 6'-0" ABOVE THE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

(8) FACTORY DRILLED ½" DRAIN HOLE 2" FROM FLANGE CONNECTION PLATE.

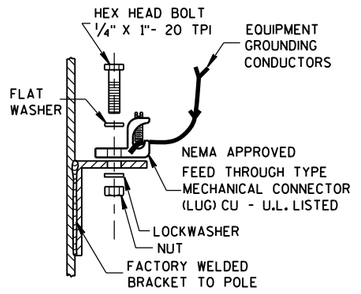


STRUCTURAL IDENTIFICATION PLAQUE PLACEMENT



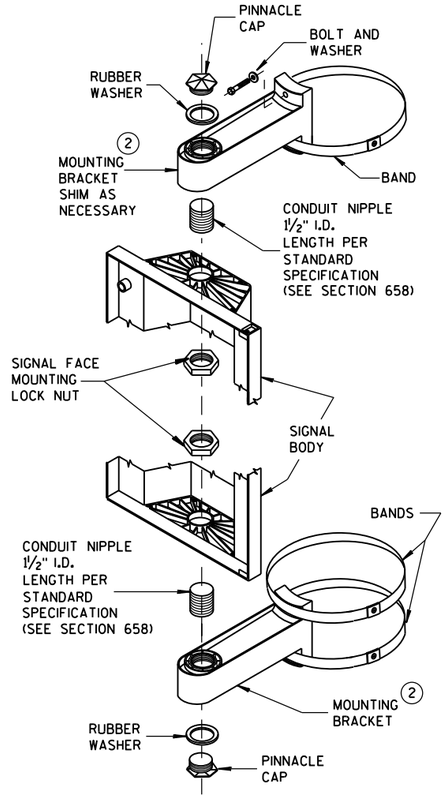
SIGNAL FACE MOUNTING BRACKET DETAIL FOR MONOTUBE ARM

(MOUNT PER MANUFACTURER'S RECOMMENDATION)

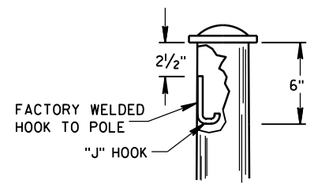


TYPICAL GROUNDING CONNECTIONS (5)

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



SIGNAL FACE VERTICAL MOUNTING DETAIL



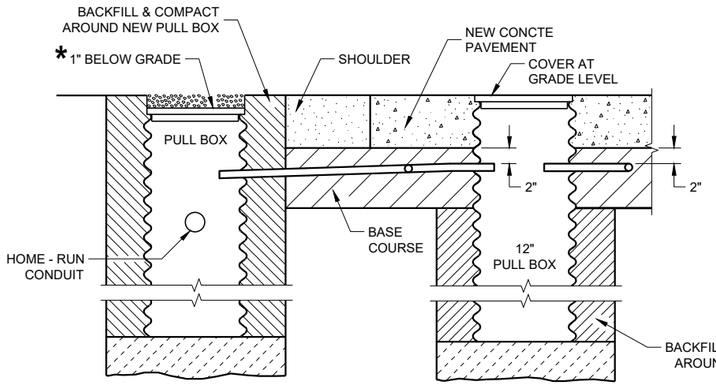
"J" HOOK WIRE SUPPORT (6)

GENERAL NOTES AND HARDWARE DETAILS FOR OVER HEIGHT TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

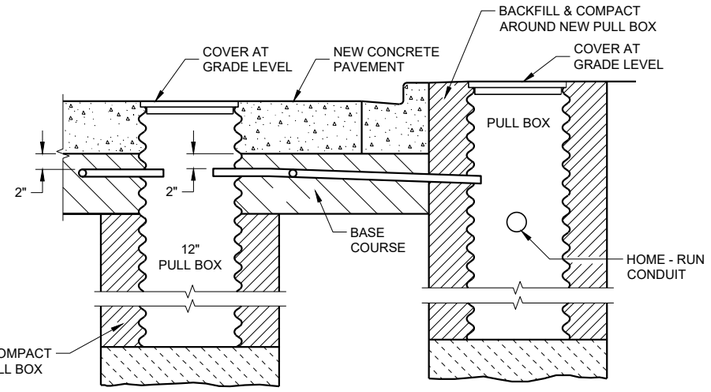
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SECTION A - A
NO CURB AND GUTTER

LOOP DETECTOR INSTALLATION DETAIL

* RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.



SECTION B - B
CURB AND GUTTER

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

ANY PVC LEADOUT CONDUIT CONTAINING MORE THAN ONE TWISTED PAIR OF LOOP LEAD WIRE SHALL BE 2".

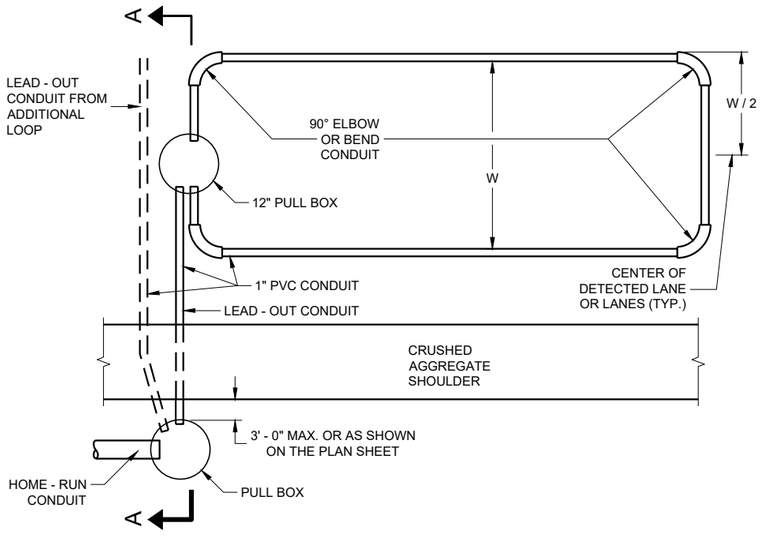
THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

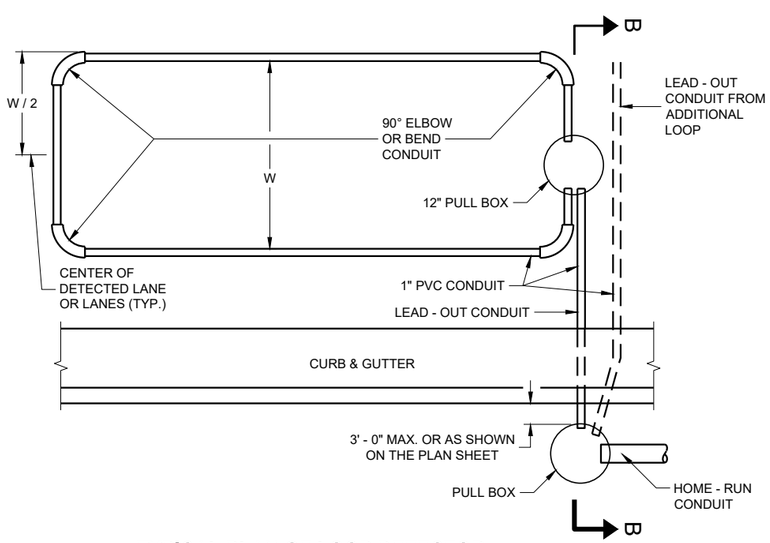
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, INTO THE PULL BOX IN THE PAVEMENT, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT, CONDULET, PULL BOX SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW CONCRETE PAVEMENT IS POURED.

12" PULL BOXES IN PAVEMENT SHALL BE CORRUGATED STEEL ONLY.



TYPICAL PLAN OF LOOP DETECTOR WITH 12" PULLBOX



TYPICAL PLAN OF LOOP DETECTOR WITH 12" PULLBOX

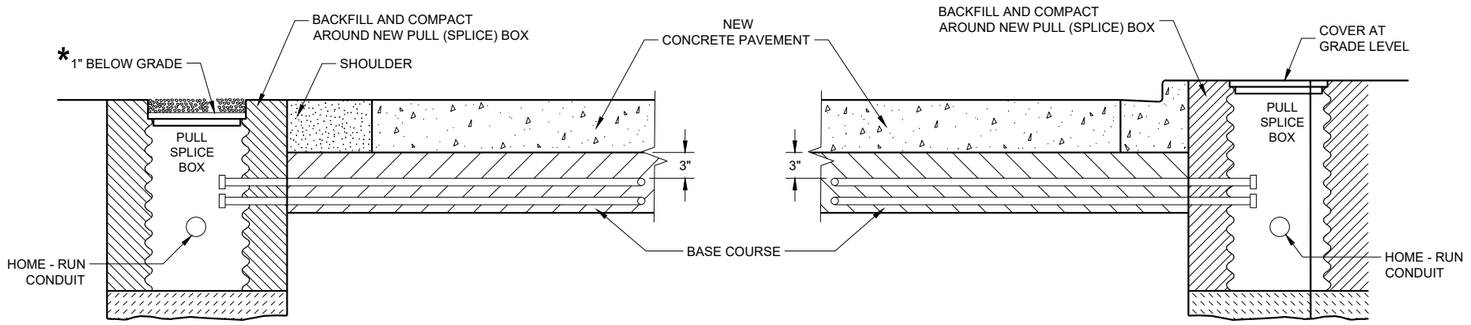
LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW CONCRETE PAVEMENT)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 328

FHWA

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SDD 09F09 - 05



SECTION A - A
NO CURB AND GUTTER

SECTION B - B
CURB AND GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

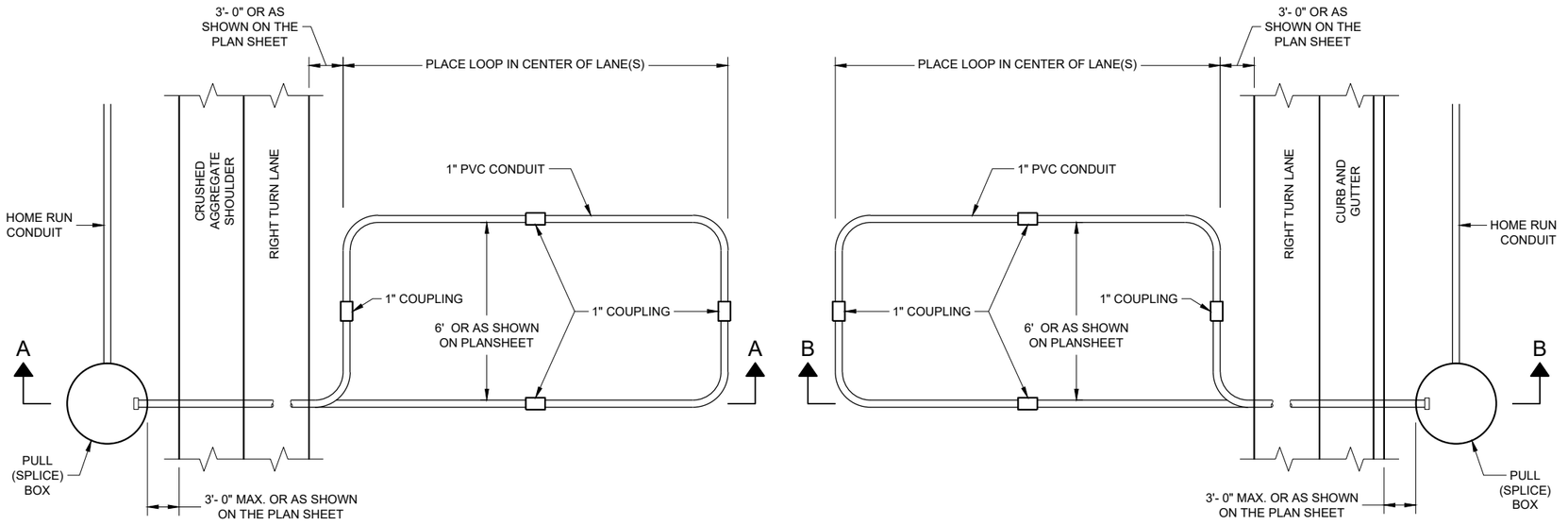
THE #12 AWG LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

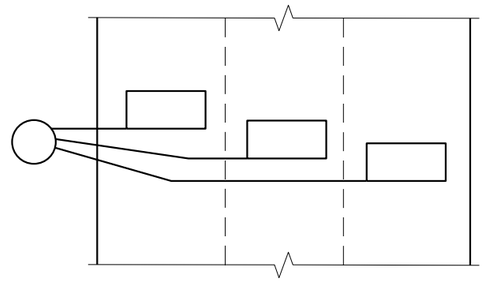
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN LOOP DETECTOR
WITH 24" PULL (SPLICE) BOX



MULTI-LANE
INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

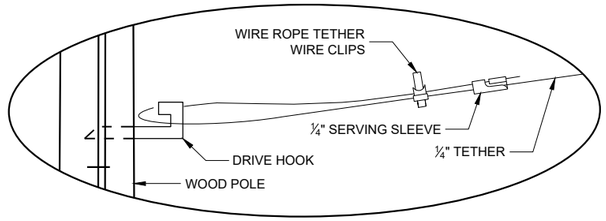
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SDD 09F15 - 04b

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SDD 09F15 - 04b

MINIMUM POLE LENGTHS	POLE BURIAL DEPTHS
25'	5'
30'	6'
35'	7'
40'	8'
45'	9'

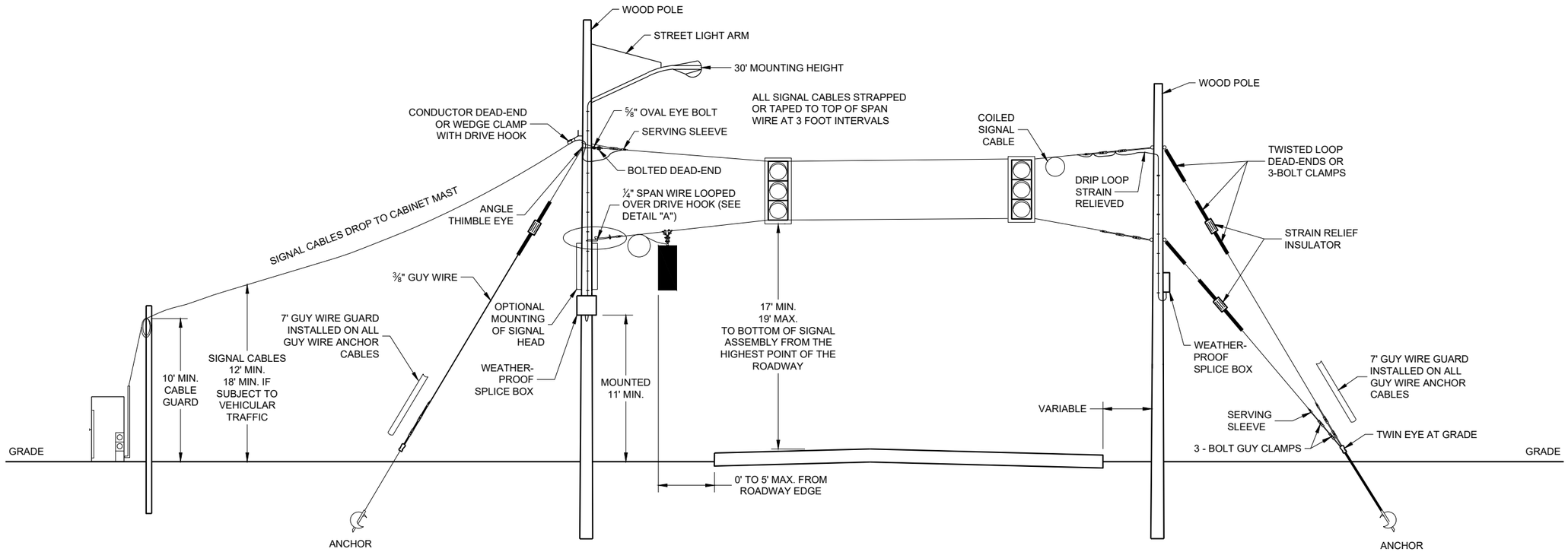


DETAIL "A"

GENERAL NOTES

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

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.
2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBLY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 330

FHWA

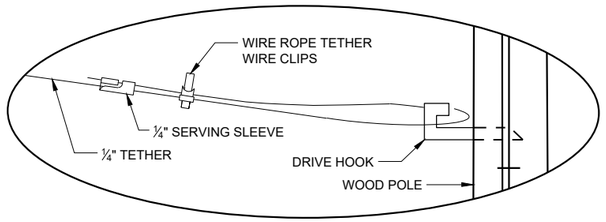
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SDD09G01 - 04a

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SDD09G01 - 04a

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

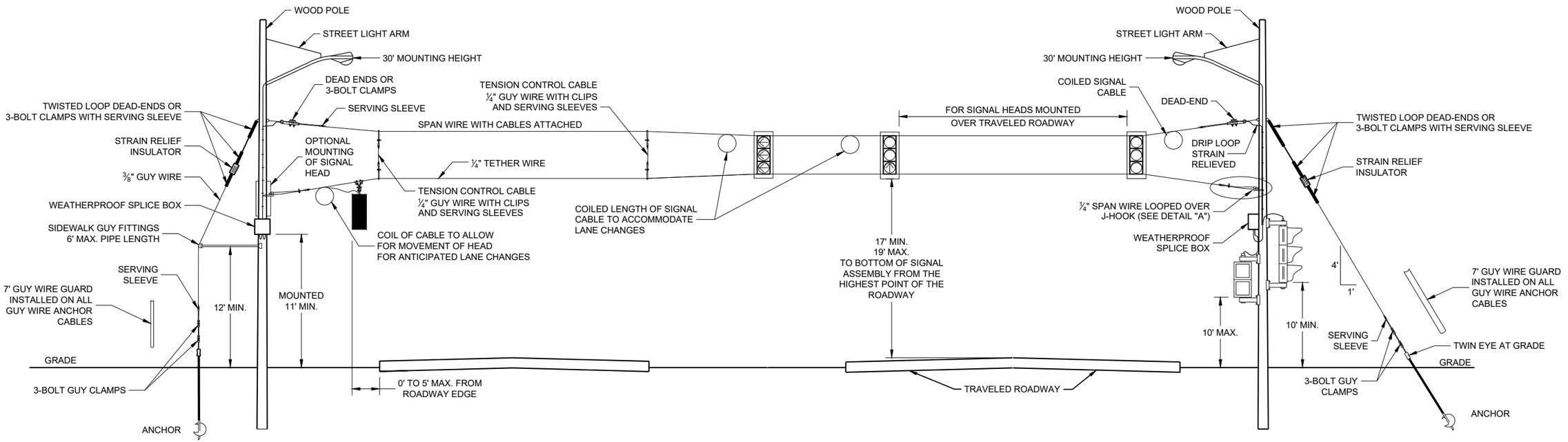


DETAIL "A"

GENERAL NOTES

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   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
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SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

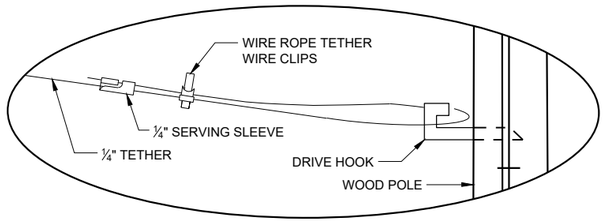
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 331
FHWA

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SDD09G01 - 04b

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

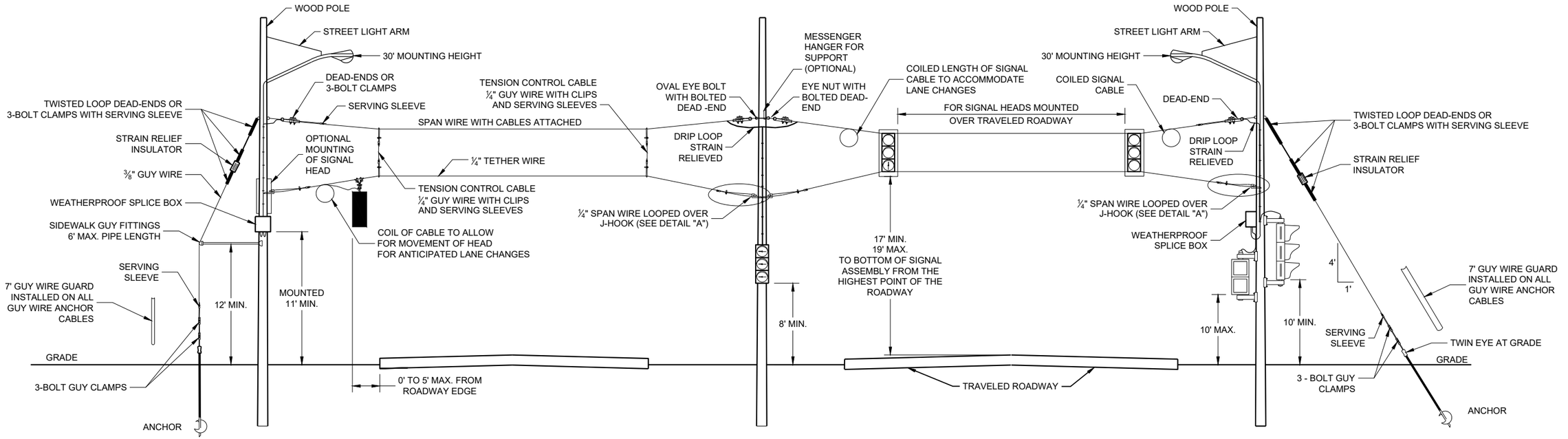


DETAIL "A"

GENERAL NOTES

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SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

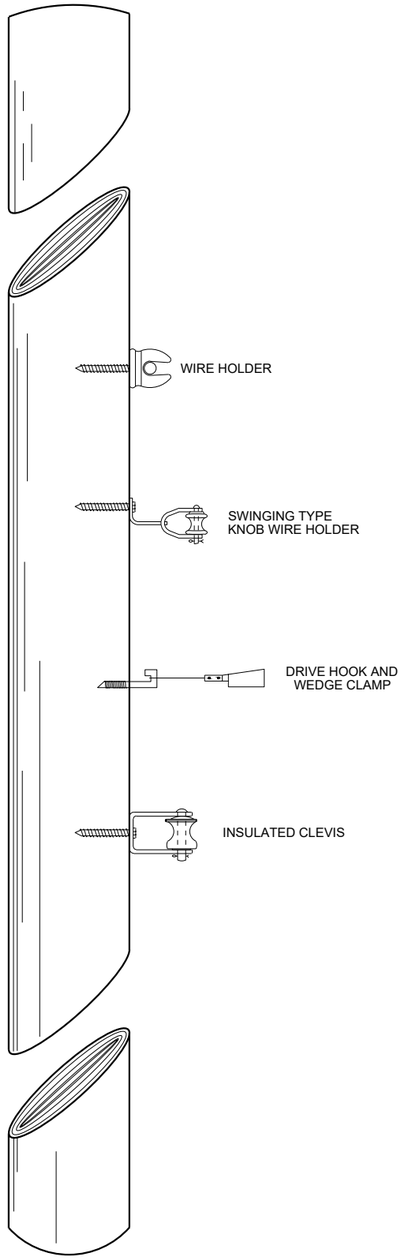
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

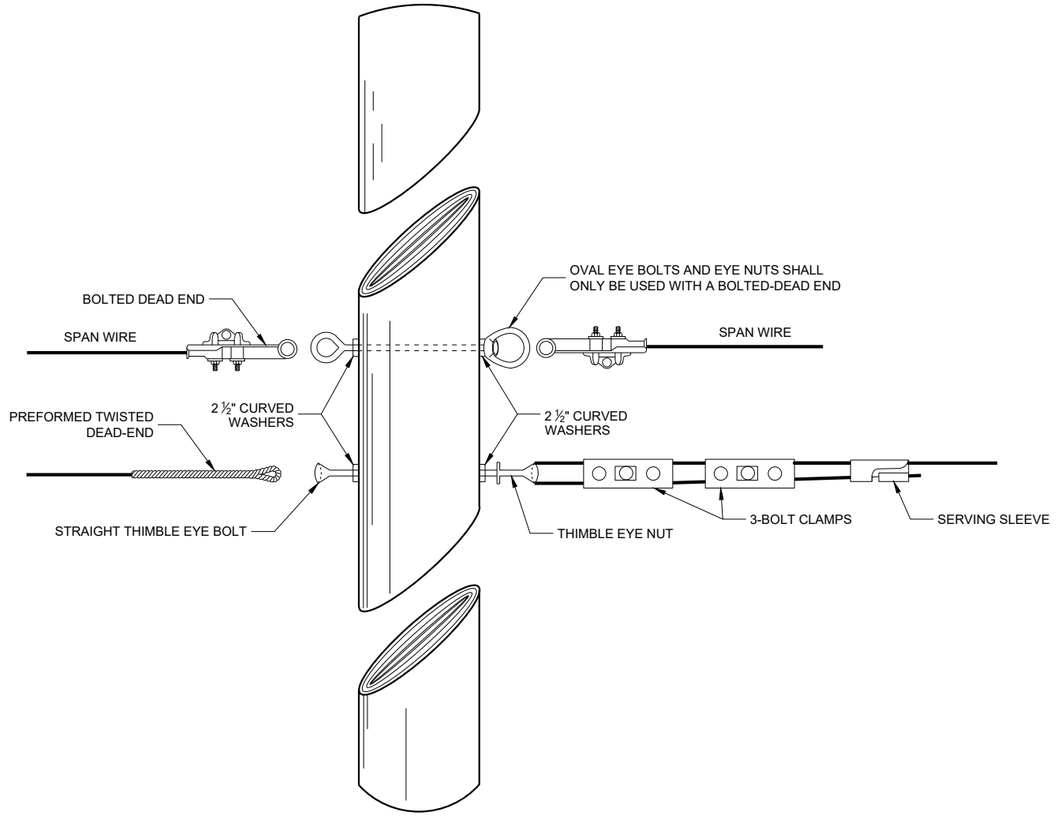
APPROVED
June 2015
DATE
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI

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SDD09G01 - 04c





SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

333

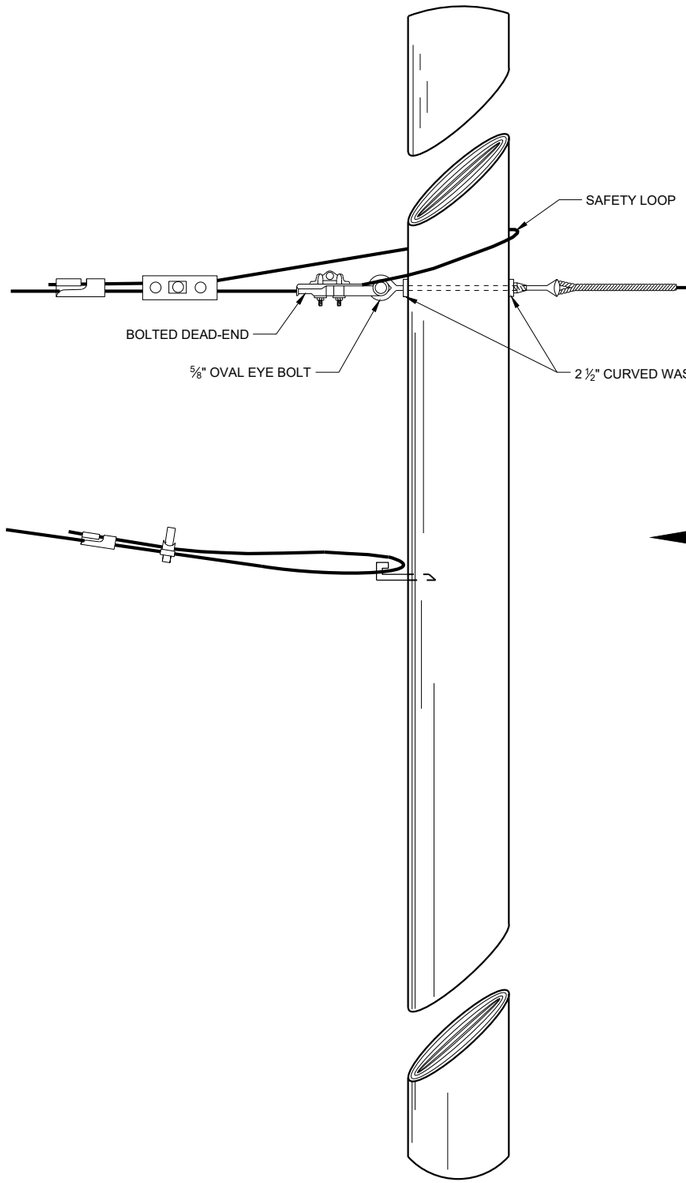
FHWA

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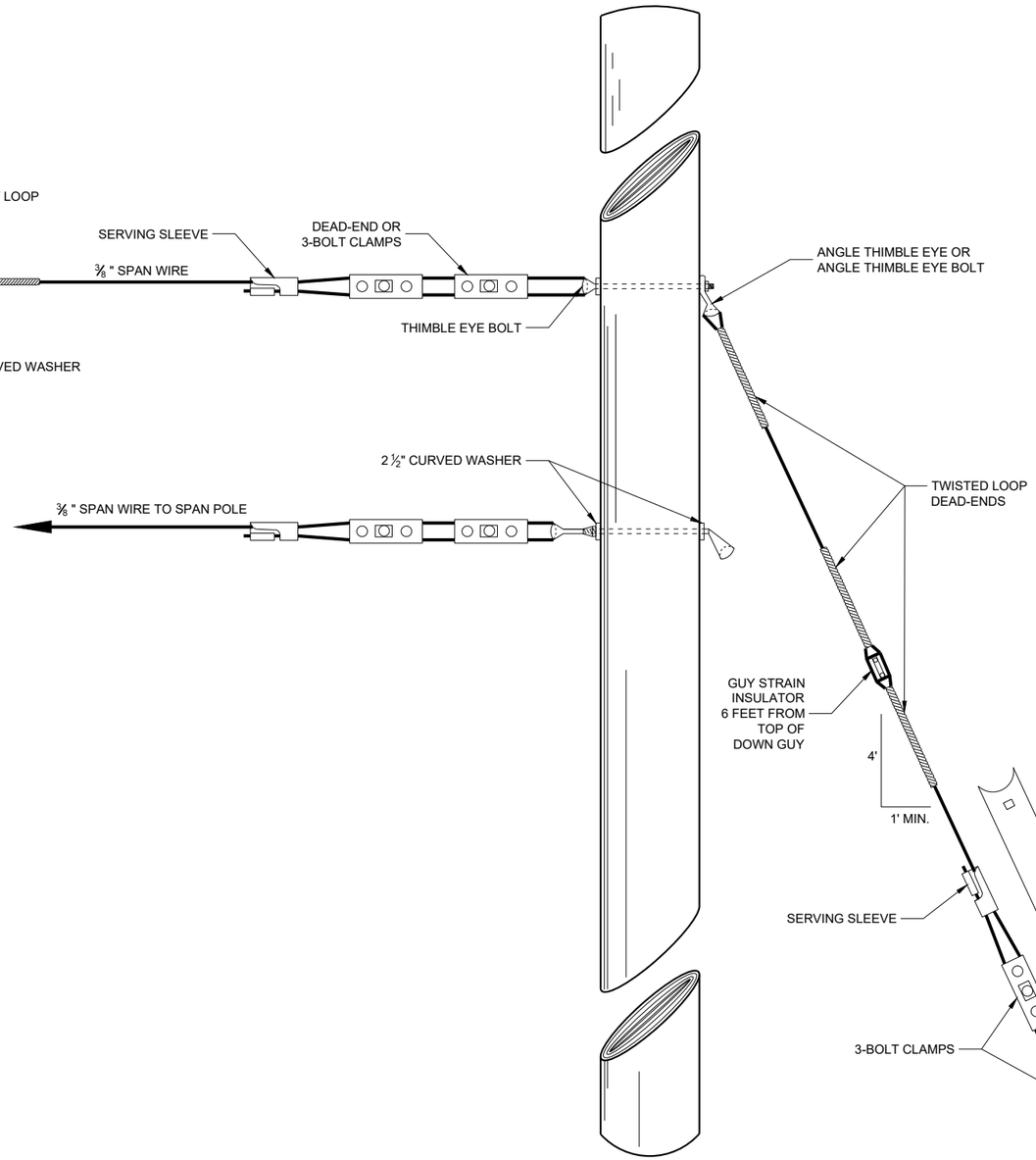
SDD 09G01 - 4d

GENERAL NOTES

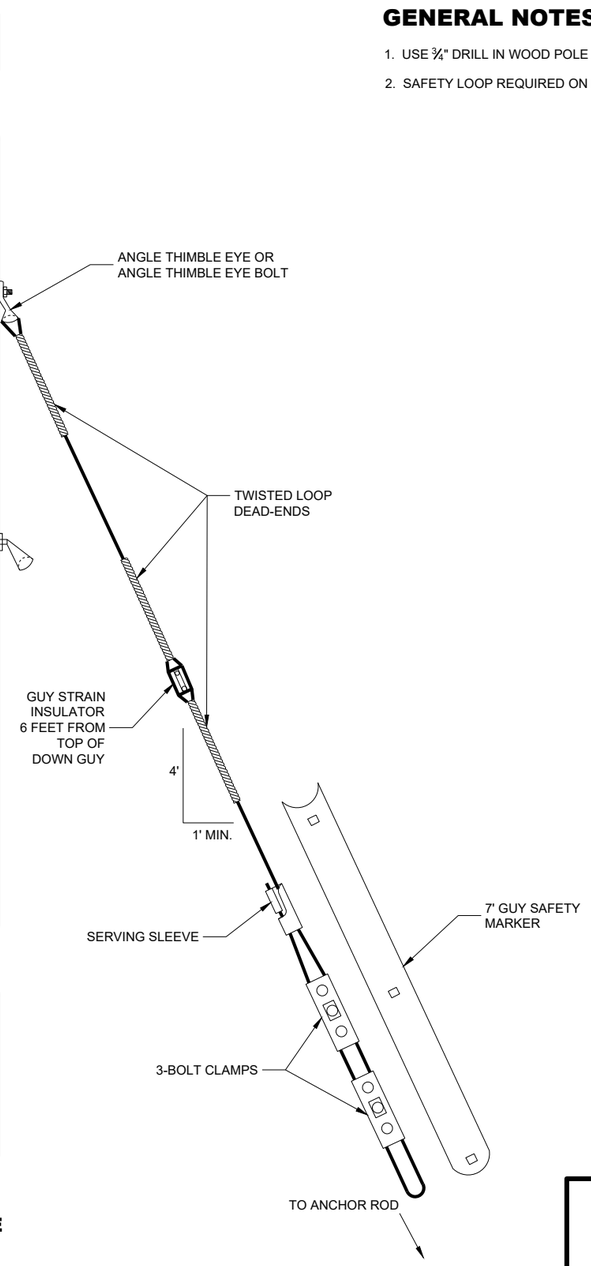
1. USE ¾" DRILL IN WOOD POLE TO PROVIDE FOR ⅝" BOLTS.
2. SAFETY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE



GUY POLE



TYPICAL DEAD-ENDINGS OR GUYING

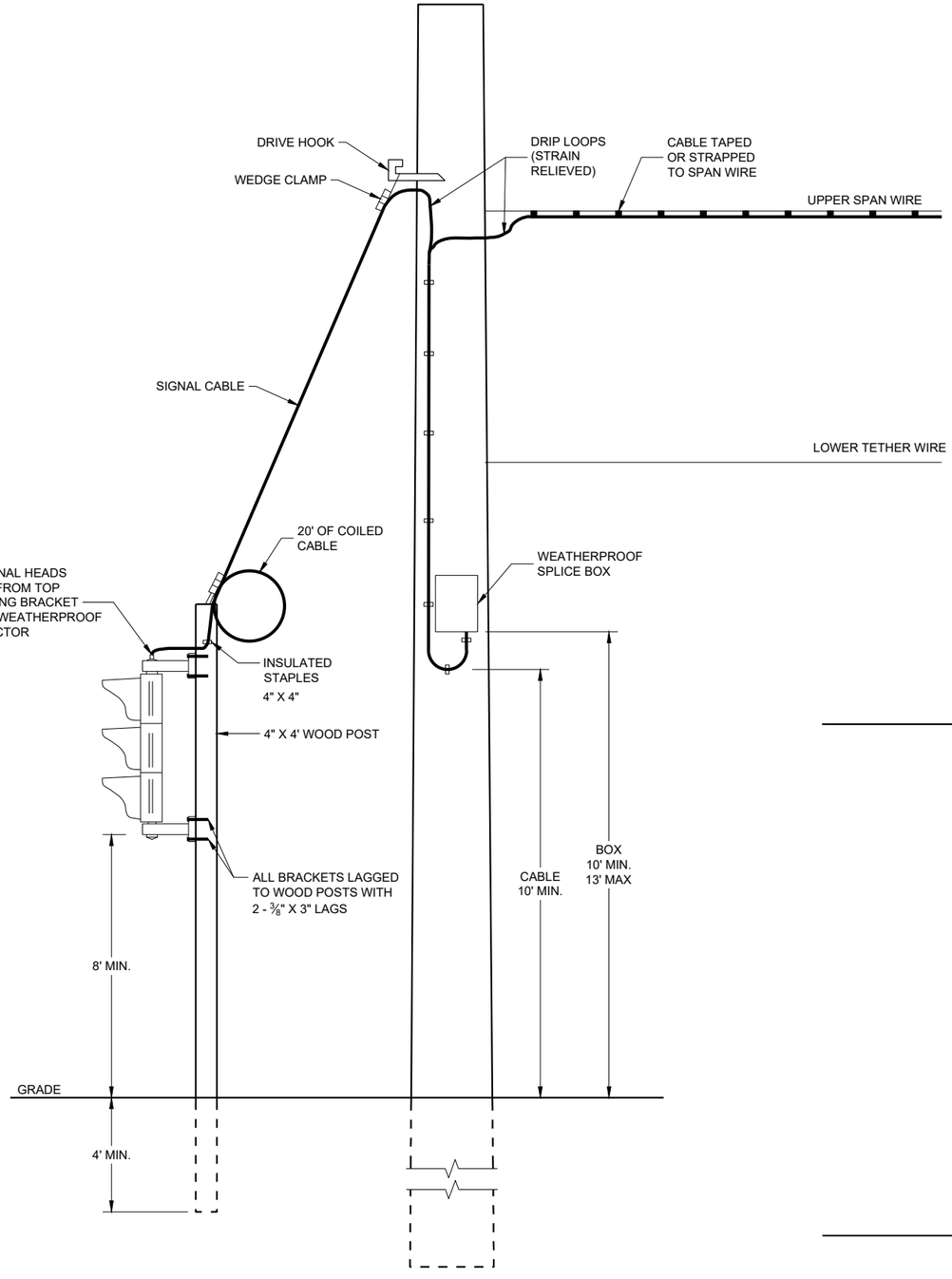
SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

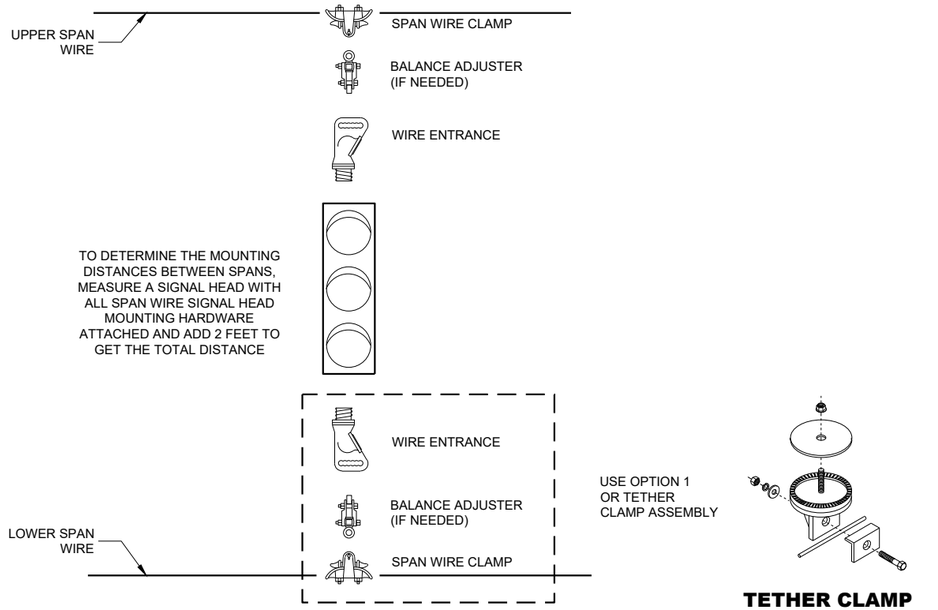
APPROVED
June 2015 — DATE
/S/ Ahmet Demerbilek — ROADWAY STANDARDS DEVE ENGINEER
FHWA

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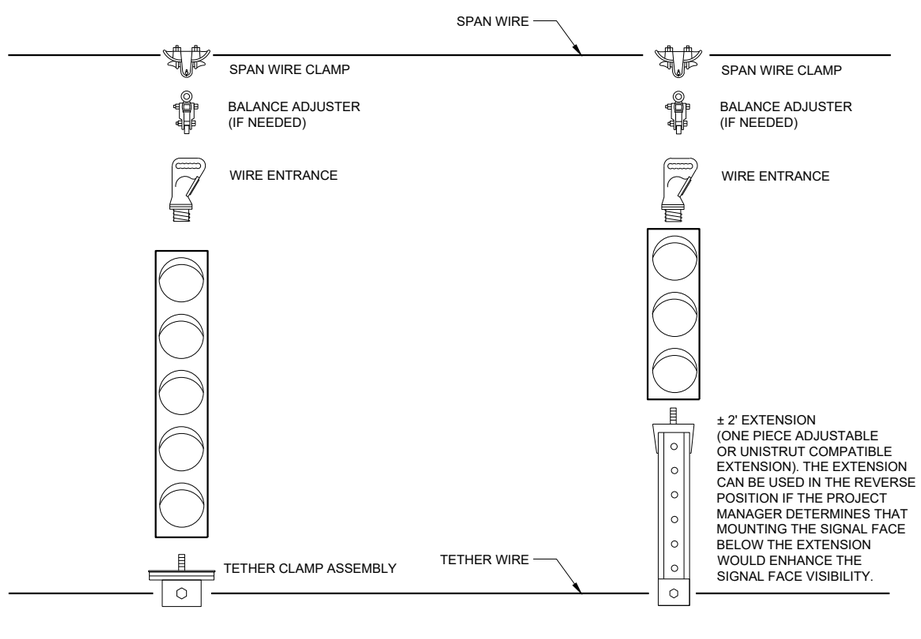
SDD 09G01 - 4e



TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL



TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

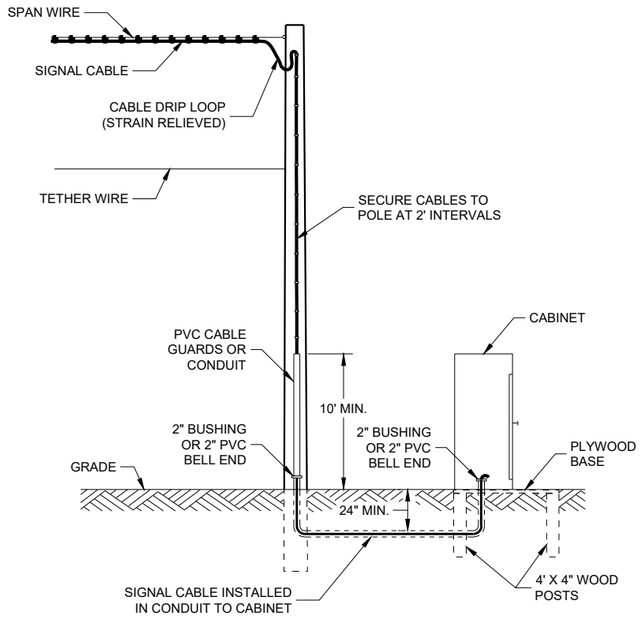
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

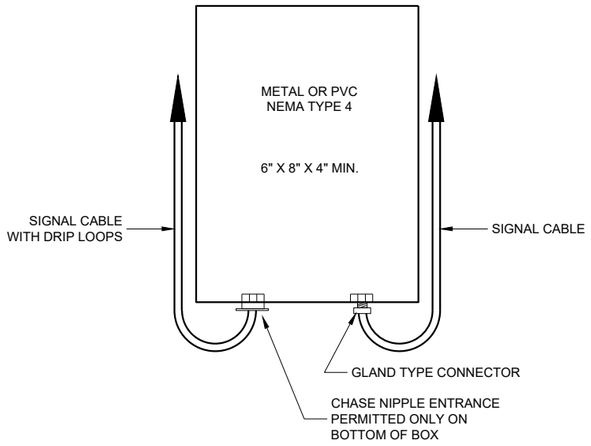
APPROVED
June 2015 — DATE
/S/ Ahmet Demerbilek — ROADWAY STANDARDS DEVE ENGINEER

FHWA

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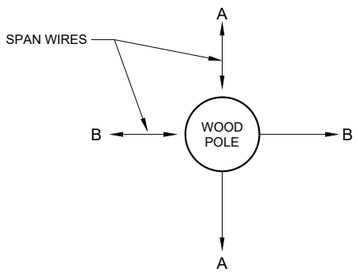
SDD 09G01 - 4f





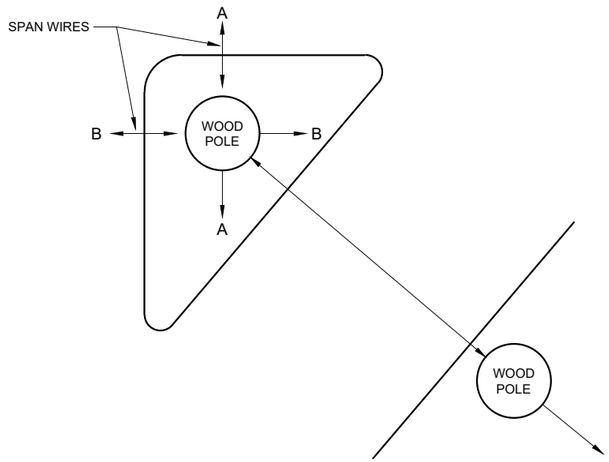
SPLICE BOX

TYPICAL SKID TYPE TEMPORARY

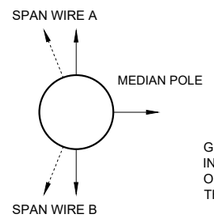


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



GUY AWAY FROM
INTERSECTION OR IN
OPPOSITE DIRECTION OF
THE SPAN LOADING

MEDIAN POLES

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

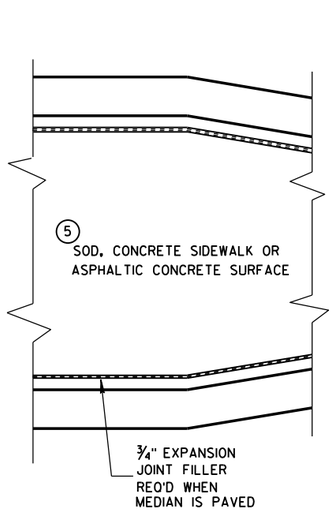
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

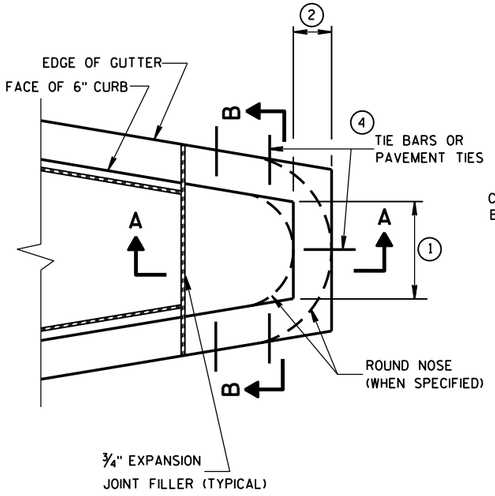
APPROVED
June 2015
DATE

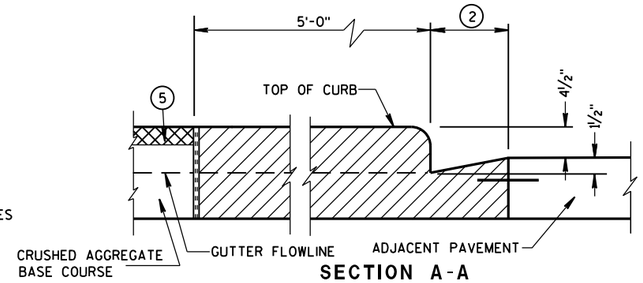
/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

FHWA

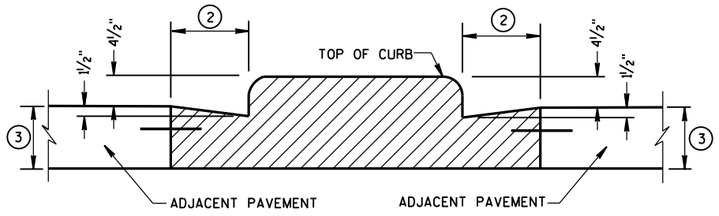
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SDD 09G01 - 4g







SECTION A-A



SECTION B-B

CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

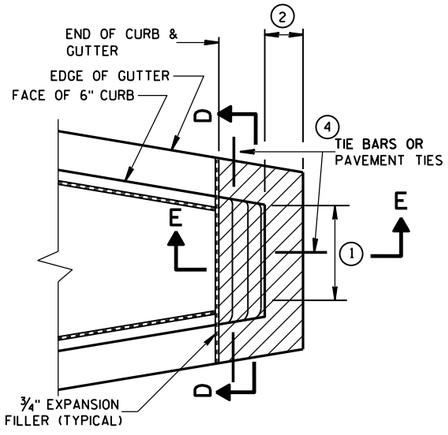
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

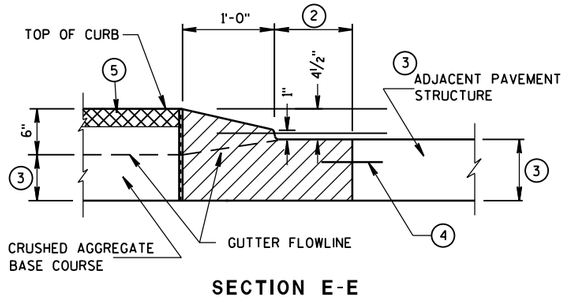
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

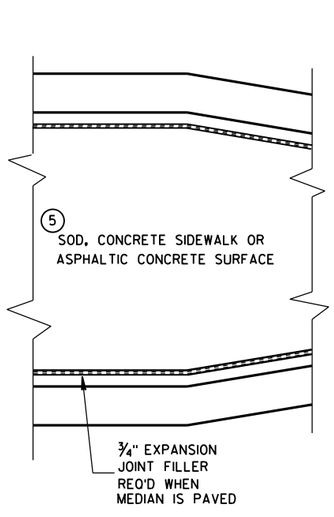
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

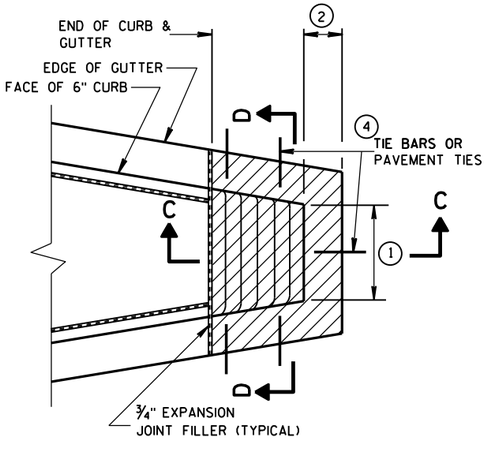


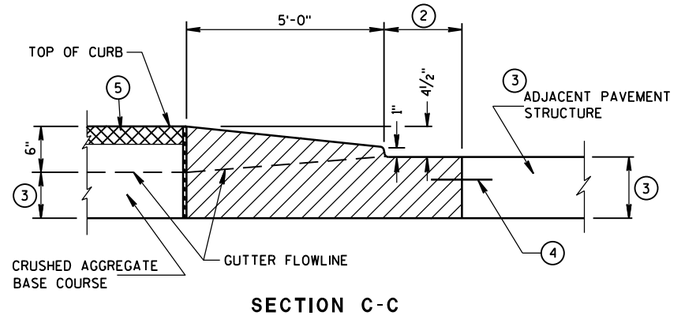


SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2

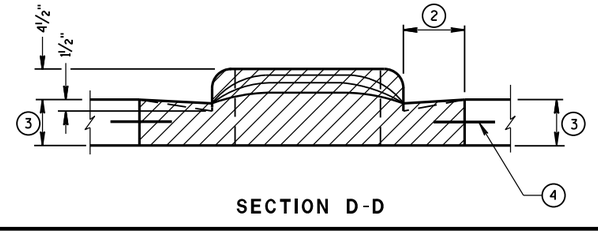






SECTION C-C

CONCRETE MEDIAN SLOPED NOSE TYPE 1



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/8/2006
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

337

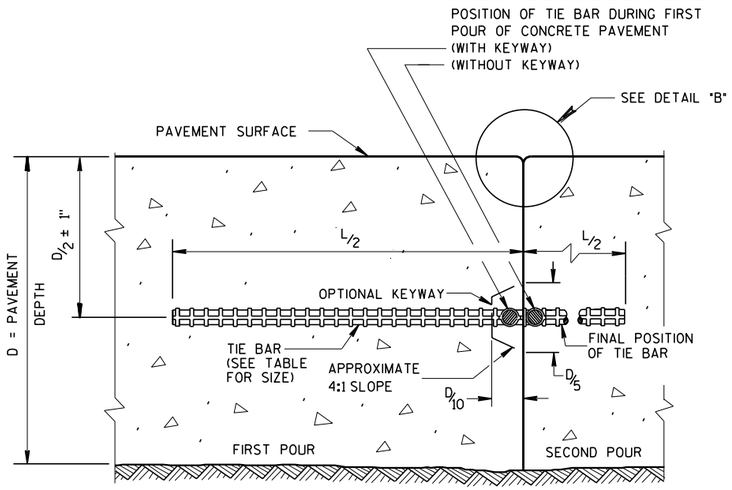
FHWA

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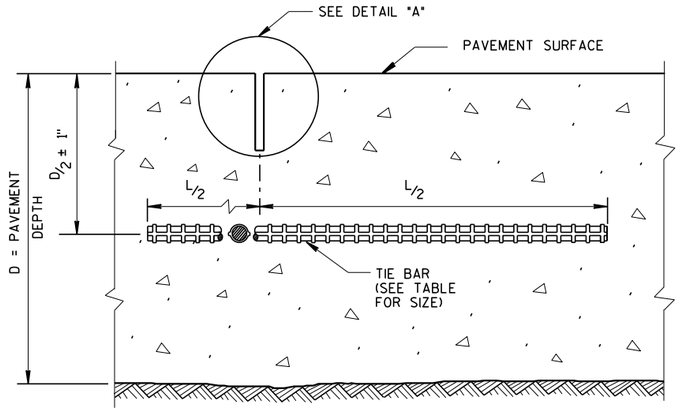
S.D.D. 11 B 2-2

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S.D.D. 11 B 2-2



CONSTRUCTION JOINT



SAWED JOINT

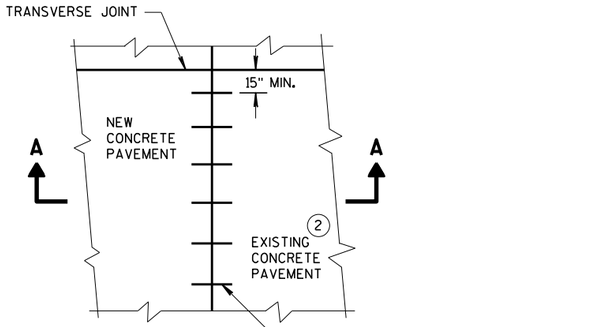
GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

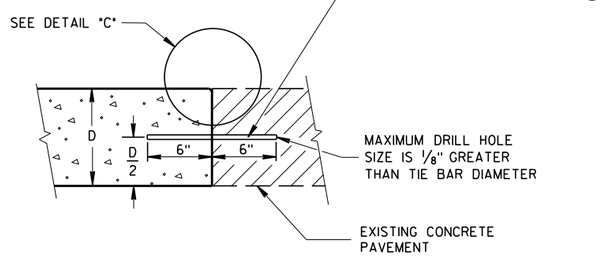
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

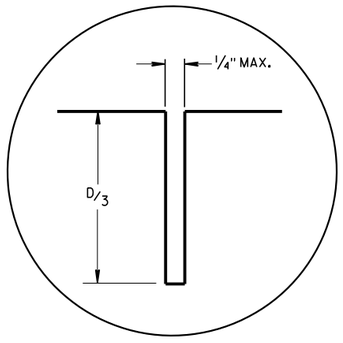


PLAN VIEW

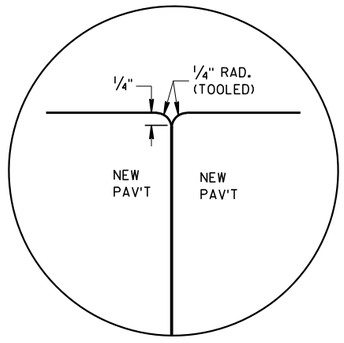


SECTION A-A

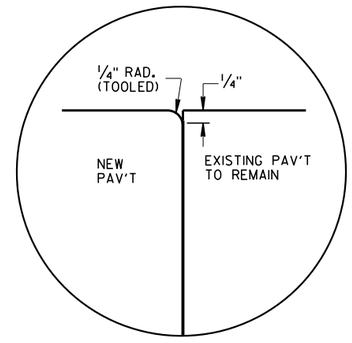
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



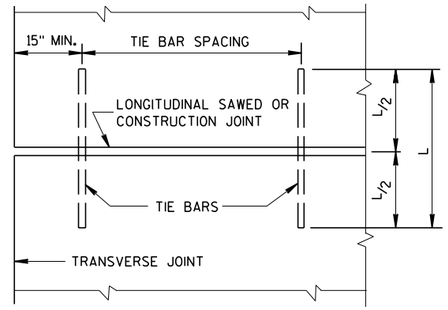
DETAIL "C"

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.



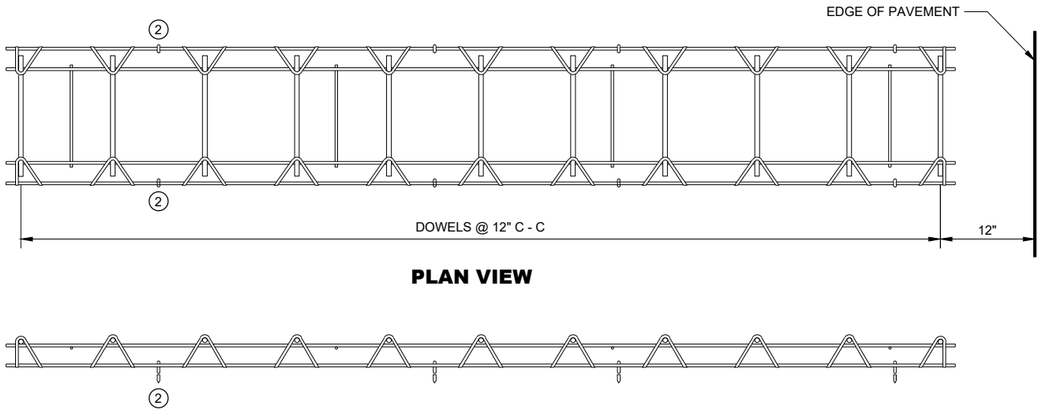
PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter Kemp P.E. — PAVEMENT SUPE
FHWA

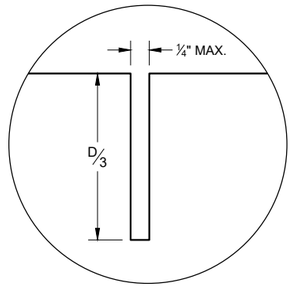
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PLAN VIEW

SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY (1)



JOINT DETAIL

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) 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.

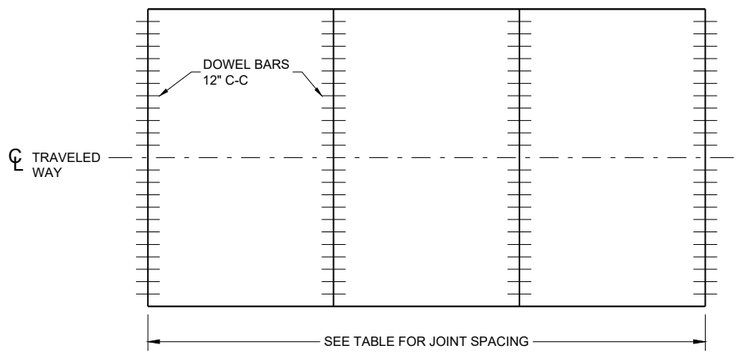
(3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼" RADIUS AT FORMED JOINTS.

(4) PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

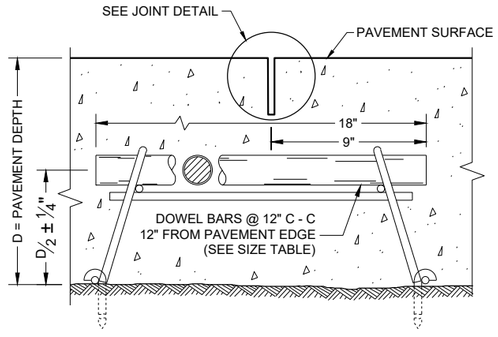
(5) INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C - C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO THE "DRILLED 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.



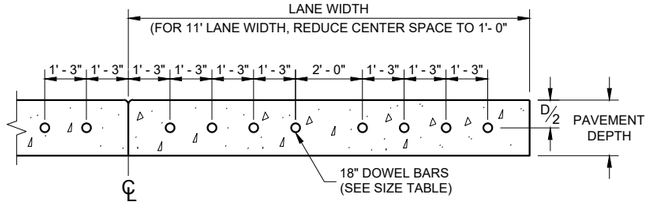
CONTRACTION JOINT LOCATIONS



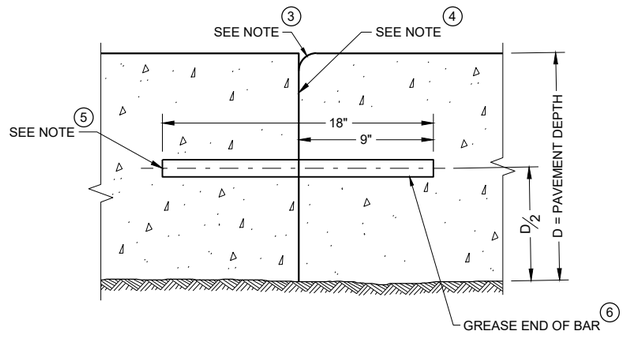
DOWELED CONTRACTION JOINT

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'



DRILLED DOWEL BAR CONSTRUCTION JOINT (7)



TRANSVERSE CONSTRUCTION JOINT

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

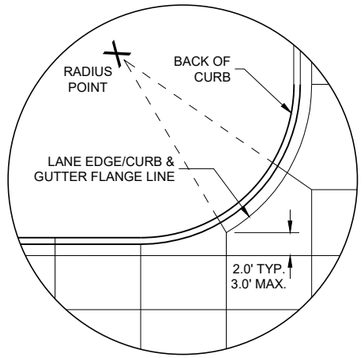
APPROVED
November 2022
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

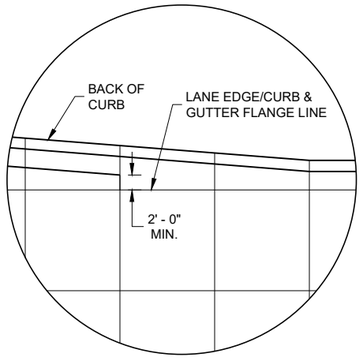
FHWA

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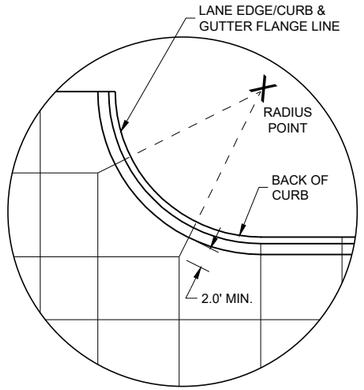
SDD 13C13 - 11



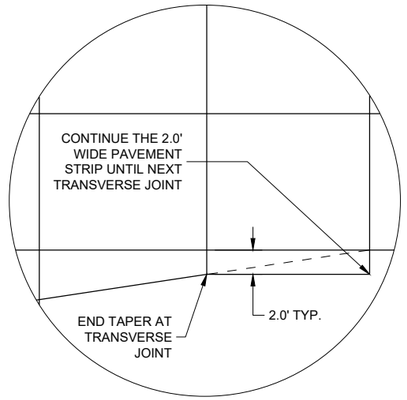
DETAIL "A"



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.

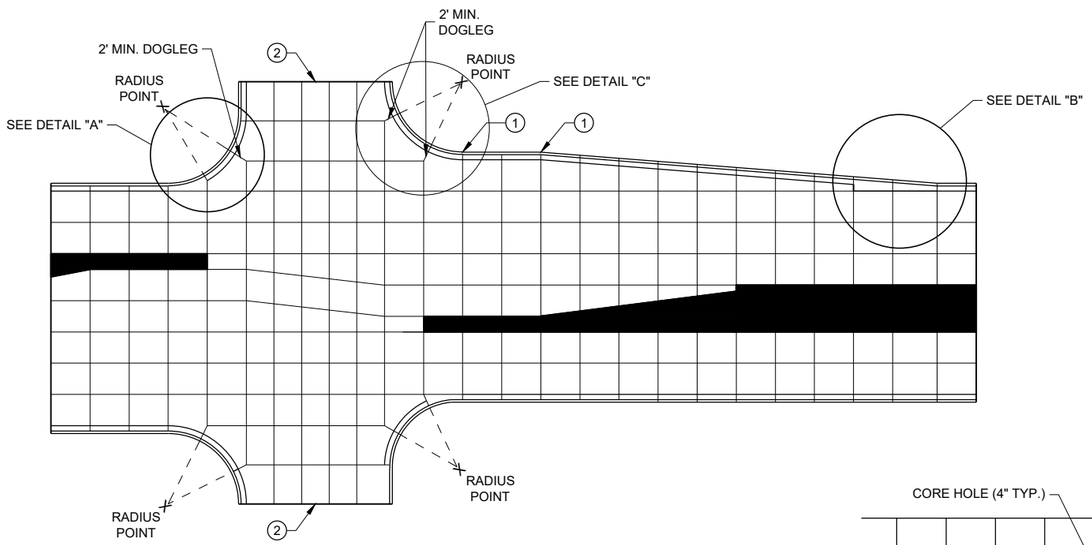
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

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.

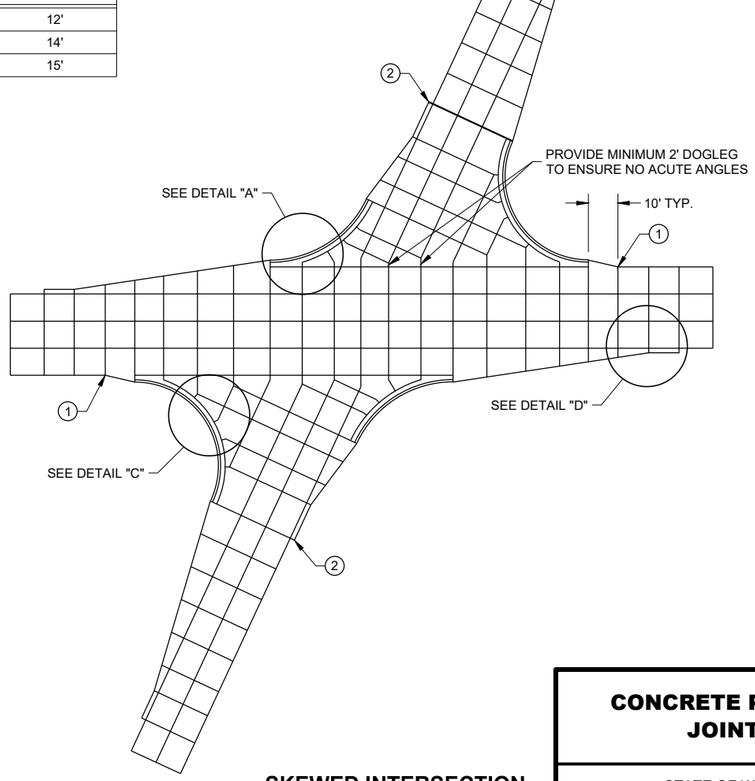
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



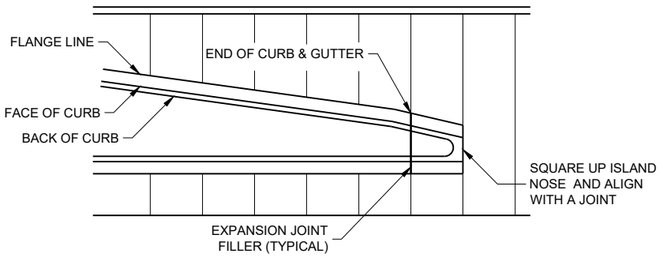
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

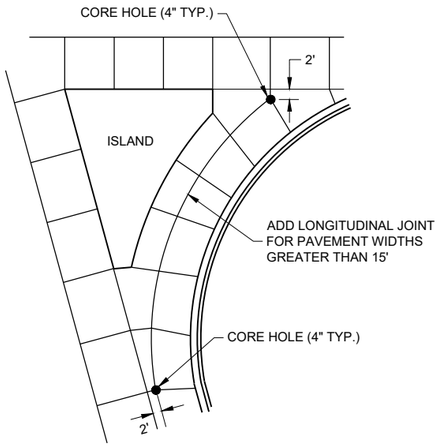
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 13C18 - 08a

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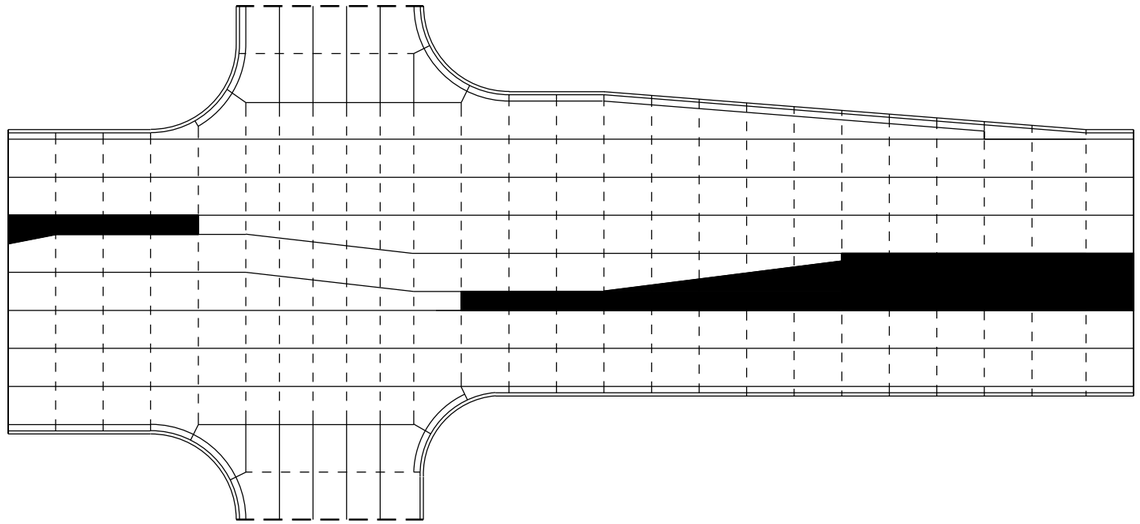
SDD 13C18 - 08a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

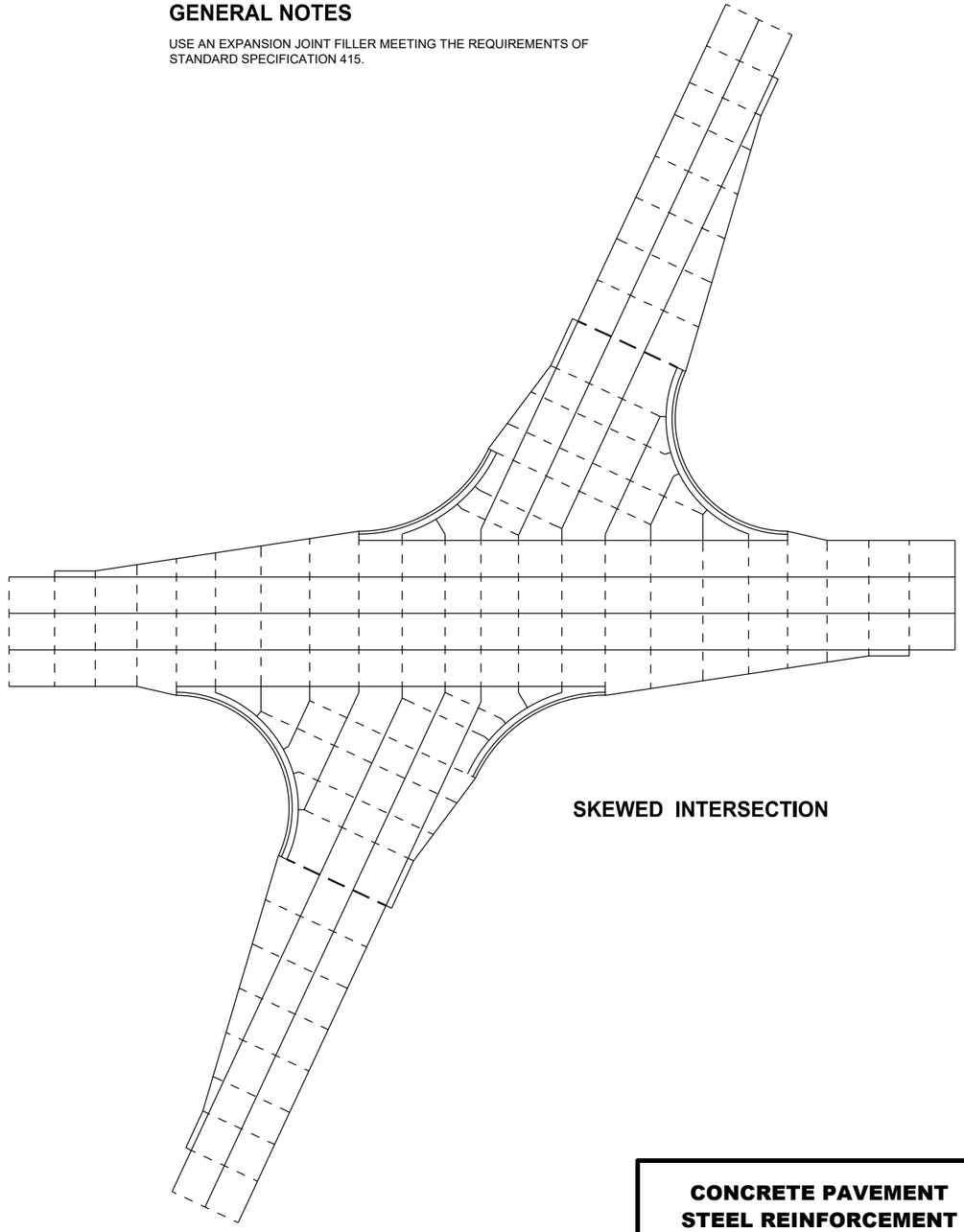
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

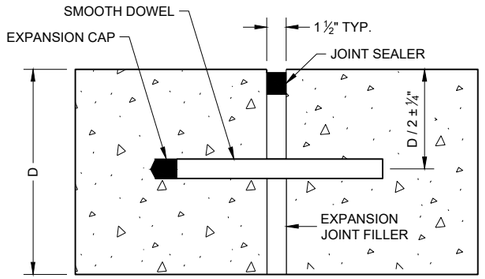
SDD 13C18 - 08b

CONCRETE PAVEMENT STEEL REINFORCEMENT

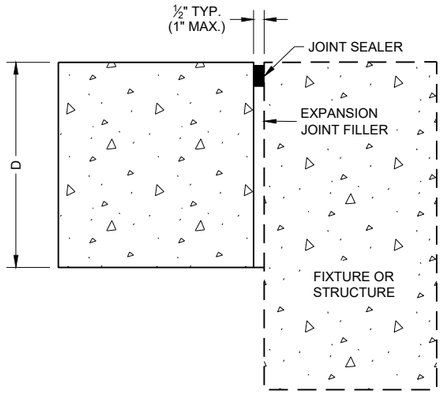
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 08b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

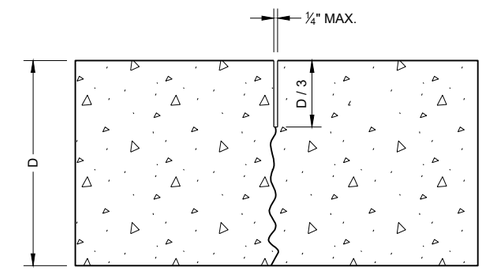
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

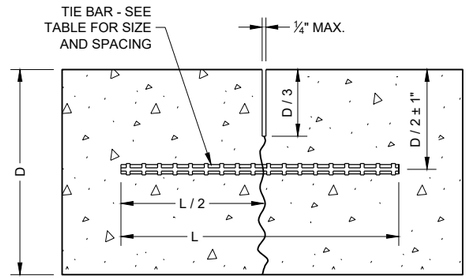
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

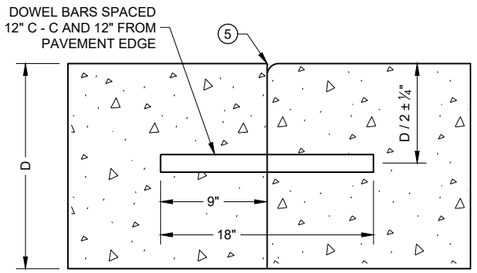
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM 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.



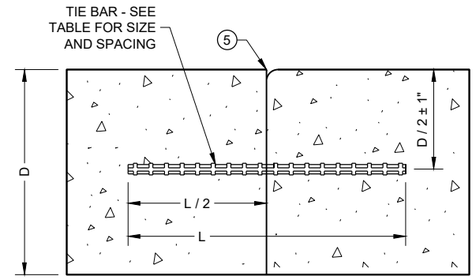
UNDOWELED TRANSVERSE



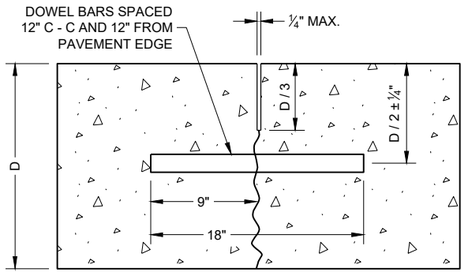
TIED LONGITUDINAL



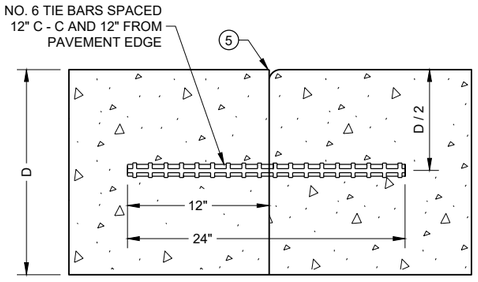
DOWELED TRANSVERSE (3)



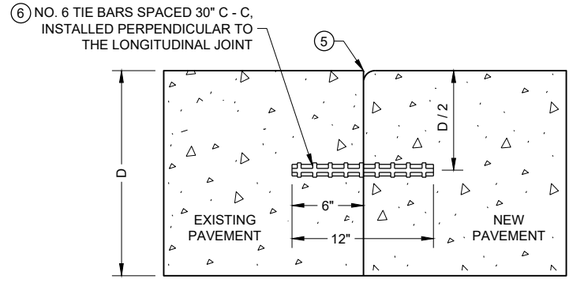
TIED LONGITUDINAL



DOWELED TRANSVERSE



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)

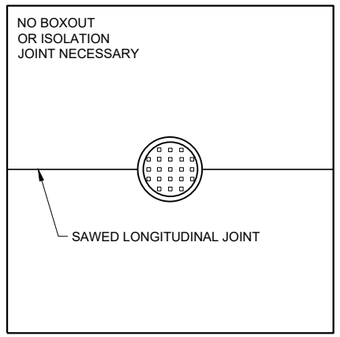


TIED LONGITUDINAL TO EXISTING

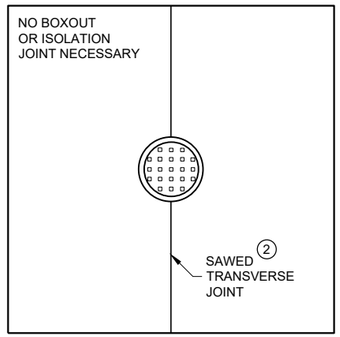
CONTRACTION JOINTS (2)

CONSTRUCTION JOINTS (4)

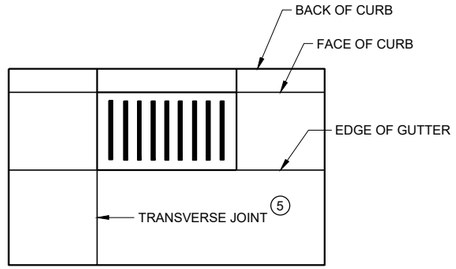
CONCRETE PAVEMENT JOINT TYPES



MANHOLE WITH LONGITUDINAL JOINT



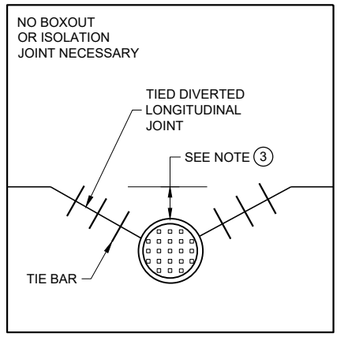
MANHOLE WITH TRANSVERSE JOINT



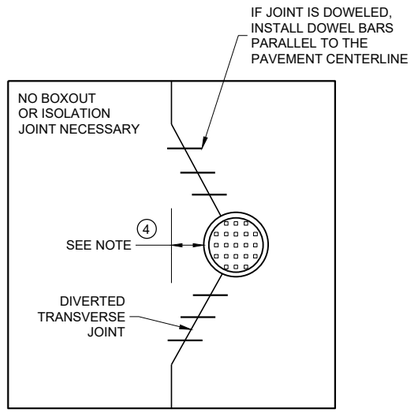
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

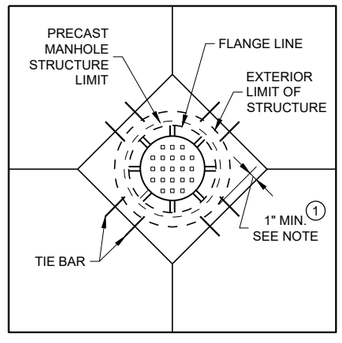
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF 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 SUPERVIS

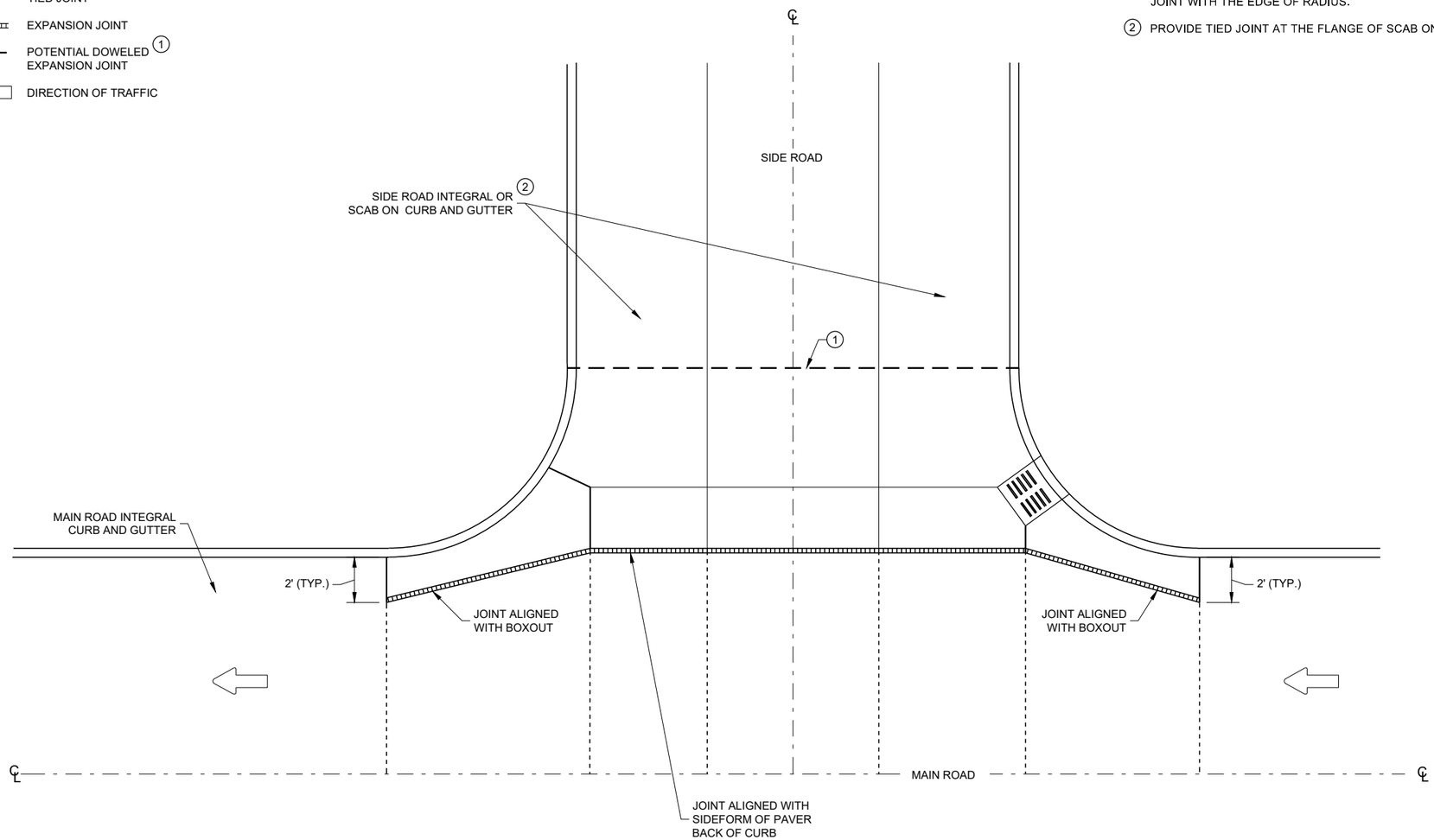
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SDD 13C18 - 08d

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

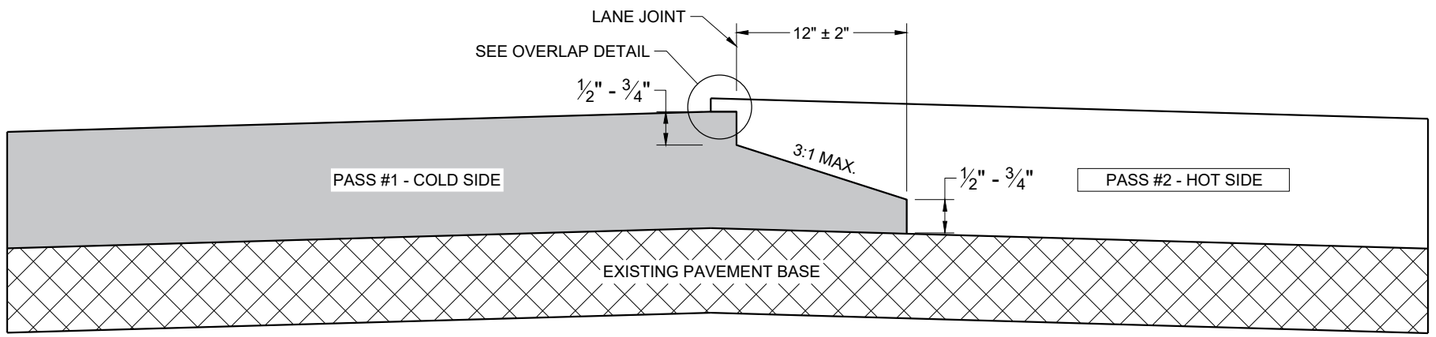
FHWA

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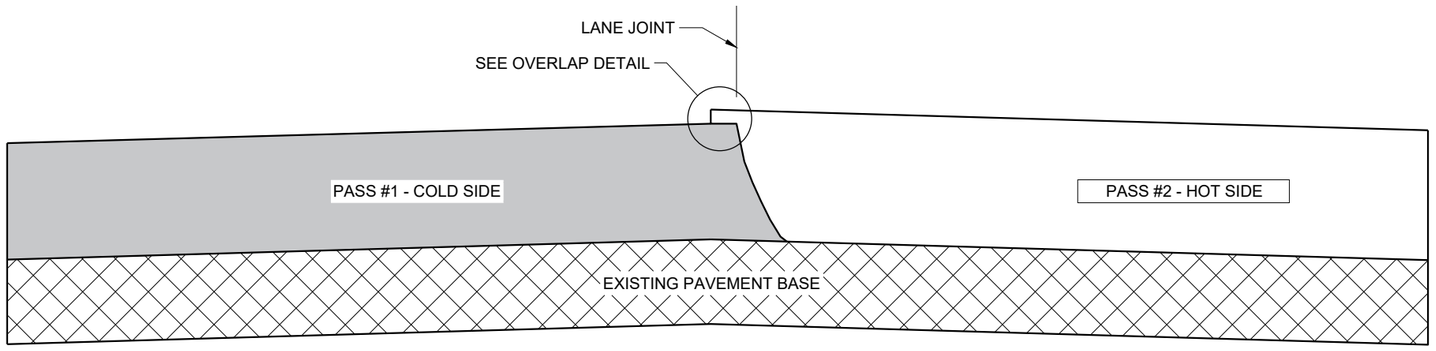
SDD 13C18 - 08f

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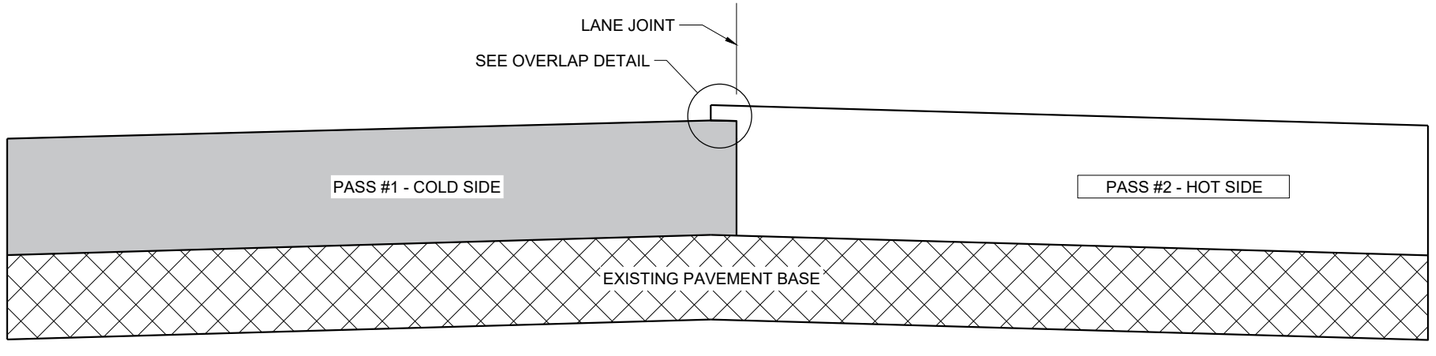
SDD 13C18 - 08f



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

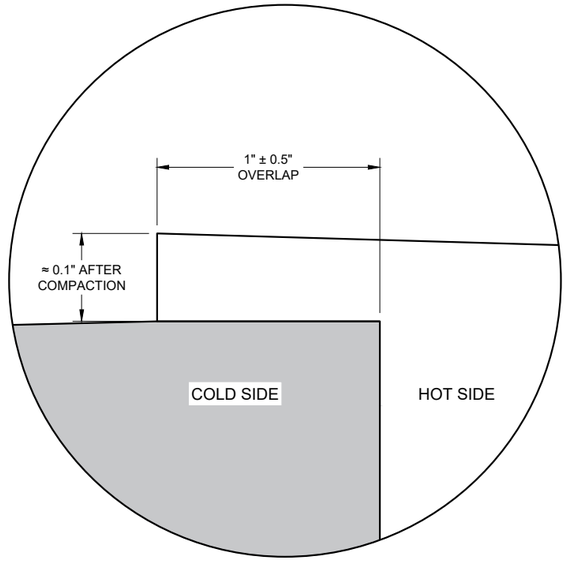
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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

6

SDD 13C19 - 03

SDD 13C19 - 03

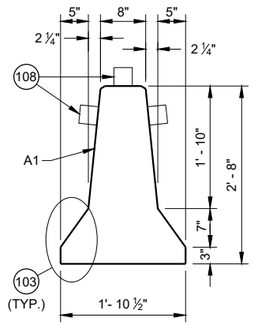
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

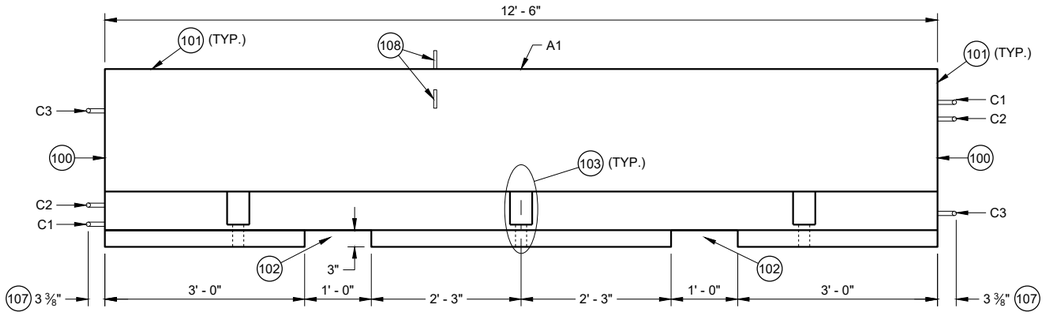
APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



CROSS SECTION



PROFILE VIEW

GENERAL NOTES

PLACE BARRIER ON PAVED SURFACE. BEFORE PLACEMENT OF TEMPORARY BARRIER, REMOVE ALL LOOSE MATERIAL FROM PAVED SURFACE.

LOOP BARS C1, C2 AND C3 ARE NOT FOR PLACEMENT OR MOVEMENT OF BARRIER.

(100) PERMANENTLY FORM INTO ONE END OF BARRIER THE FOLLOWING INFORMATION:
- A. TYPE OF BARRIER: WI-CBTP
- B. MANUFACTURER
- C. DATE OF MANUFACTURE (MONTH AND YEAR)

(101) 1" OPTIONAL CHAMFER

(102) SEE LIFTING SLOT DETAIL

(103) SEE ANCHOR BLOCK DETAIL

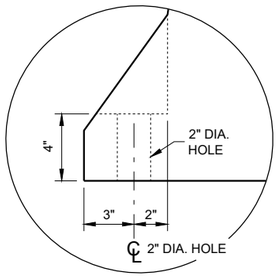
(104) 1 ¾" MIN. CLEAR COVER

(105) 2" MIN. CLEAR COVER

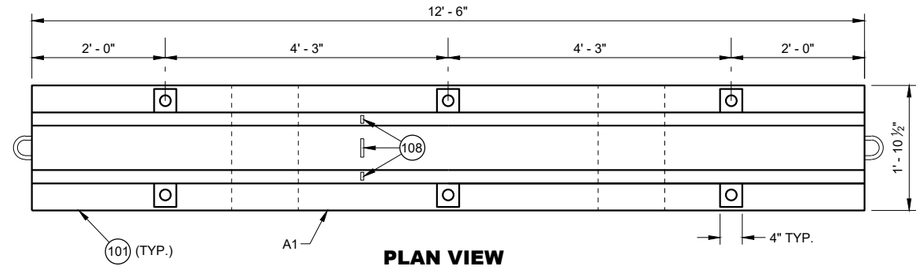
(106) 1" MIN. CLEAR COVER

(107) ± ⅛" MEASURED FROM FACE OF CONCRETE BARRIER TO OUTSIDE OF LOOP BAR (TYP.)

(108) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURERS INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED LEFT OF TRAFFIC AND WHITE WHEN BARRIER IS LOCATED RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART, PROVIDE TO MOUNTED DELINEATORS IN ADDITION TO SIDE MOUNTED DELINEATORS ON BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAT 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

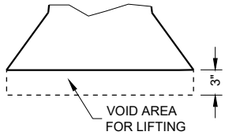


ANCHOR BLOCK DETAIL

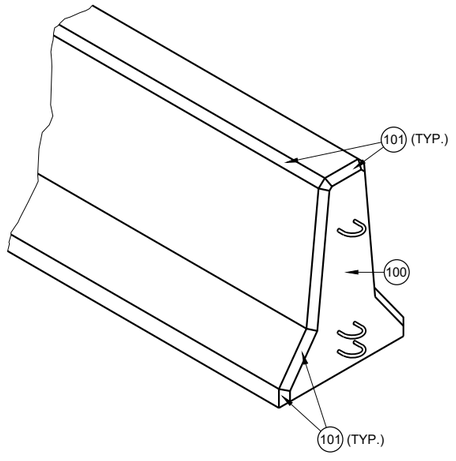


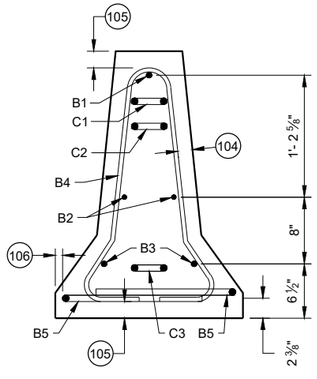
PLAN VIEW

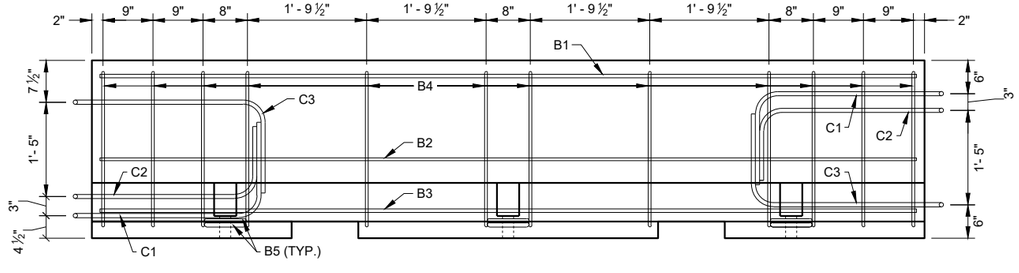
TEMPORARY BARRIER



LIFTING SLOT DETAIL (TYP.)



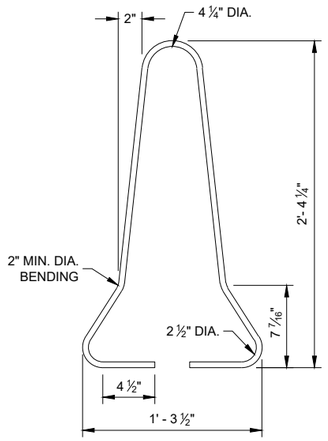




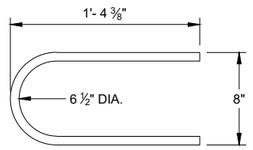
PROFILE VIEW

TEMPORARY BARRIER REINFORCEMENT

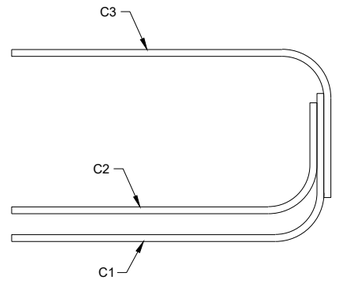
CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTA	346



B4 BAR DETAIL

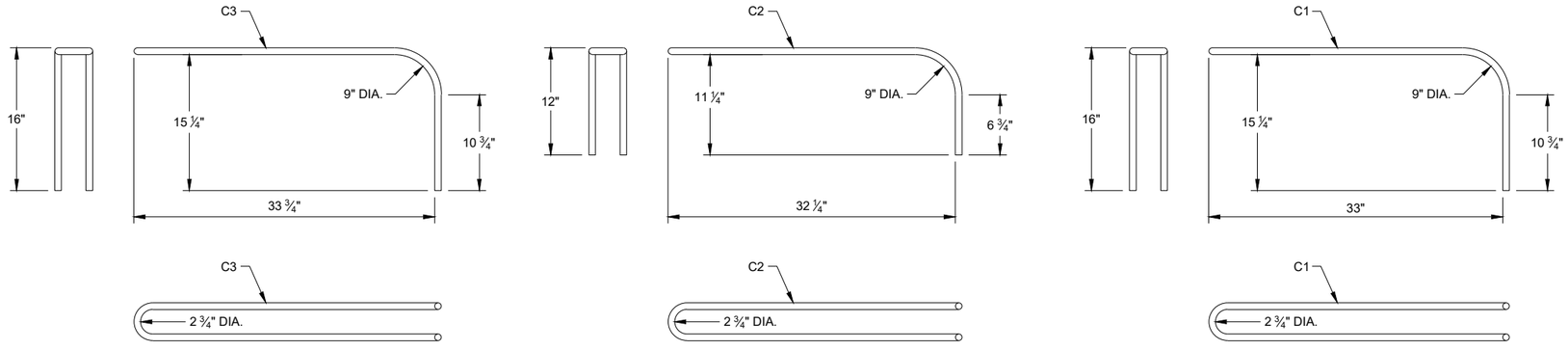


B5 BAR DETAIL



PROFILE VIEW

LOOP BAR ASSEMBLY

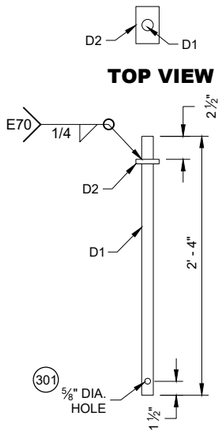


C BAR DETAILS

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

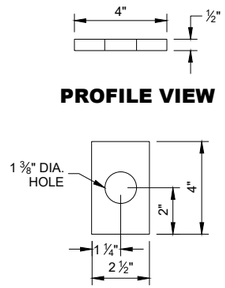
6
SDD 14B07-16b



TOP VIEW

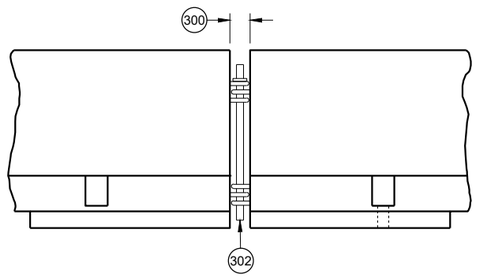
PROFILE VIEW

CONNECTOR PIN ASSEMBLY



PROFILE VIEW

TOP VIEW D2



CONNECTING TEMPORARY BARRIER SECTIONS

GENERAL NOTES

300 SET WITH 3 ⅝" WOOD BLOCK.

301 HOLE IS OPTIONAL.

302 CONNECTOR PIN ASSEMBLY.

303 CONCRETE PAVEMENT, APPROACH SLAB, OR DECK.

304 CONCRETE DECK.

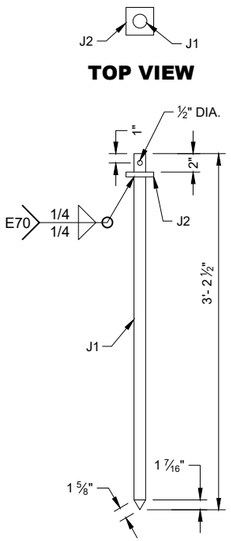
305 DO NOT USE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY OR CONCRETE PAVEMENT WITH ASPHALT OVERLAY.

306 MINIMUM OF 2" OF ASPHALT.

307 ASPHALT ANCHOR PIN ASSEMBLY

308 IF DRILLING A PILOT HOLE, THE MAX, DIA. OF THE HOLE IS 3/4"

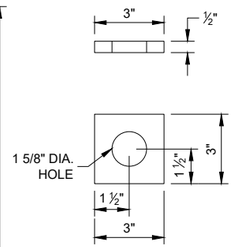
309 WHEN THERE IS ASPHALT OVERLAYING CONCRETE PAVEMENT, A 1 5/8" DIA. PILOT HOLE CAN BE DRILLED INTO THE OVERLAY AND CONCRETE. IF NEEDED DRILL A 3/4" PILOT HOLE IN BASE COURSE.



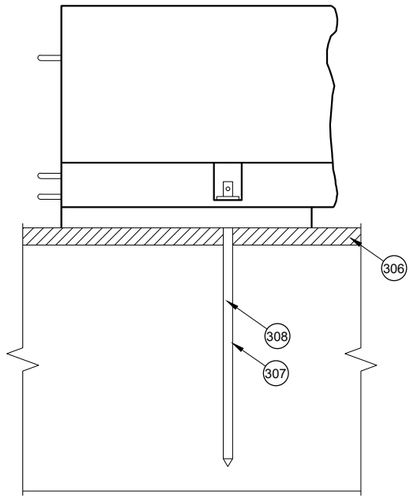
TOP VIEW

PROFILE VIEW

ASPHALT ANCHOR PIN ASSEMBLY

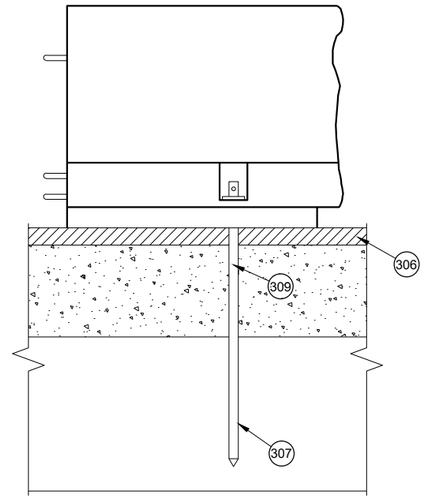


TOP VIEW J2



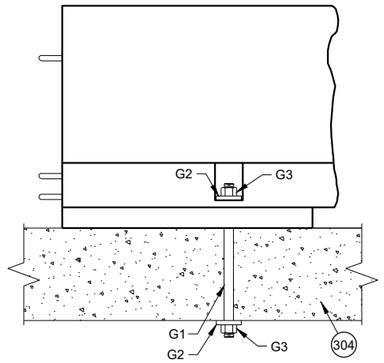
SIDE VIEW

ASPHALT ANCHOR INSTALLATION THROUGH ASPHALT PAVEMENT



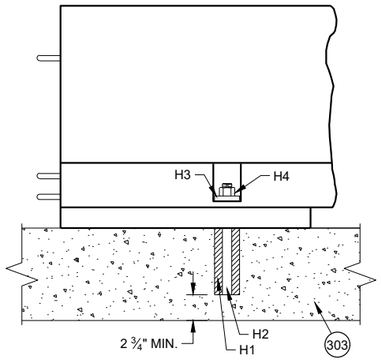
SIDE VIEW

ASPHALT ANCHOR INSTALLATION THROUGH ASPHALT OVERLAY ON TOP OF CONCRETE PAVEMENT



SIDE VIEW

THROUGH BOLT ANCHOR INSTALLATION 305



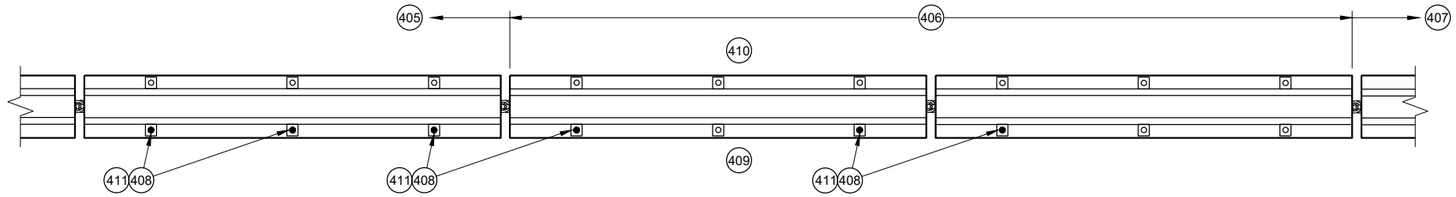
SIDE VIEW

ADHESIVE ANCHOR INSTALLATION 305

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

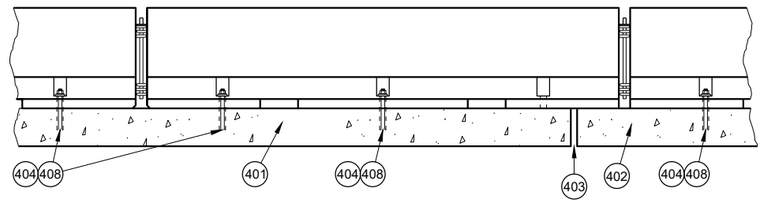
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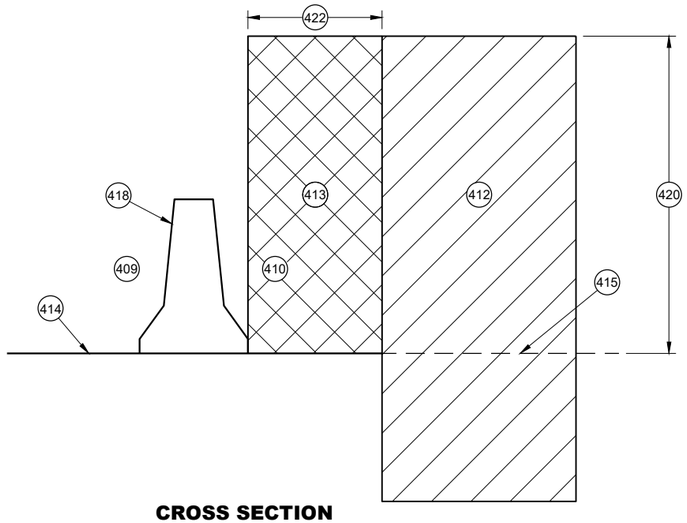
PLAN VIEW

TRANSITION FROM FREE STANDING TO ANCHORED BARRIER



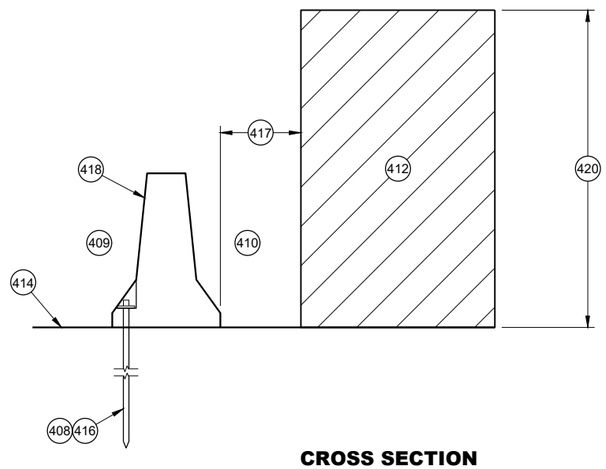
PROFILE VIEW

ANCHORED BARRIER NEAR EXPANSION JOINT (400)



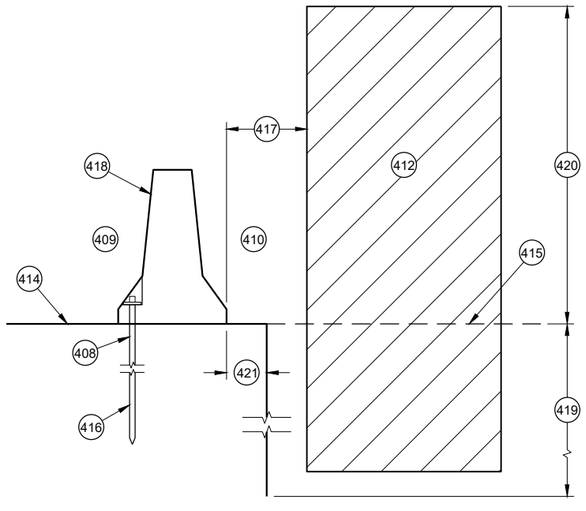
CROSS SECTION

FREE STANDING BARRIER



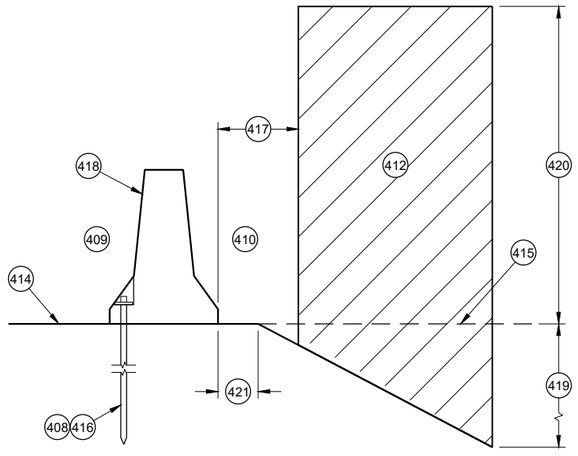
CROSS SECTION

ANCHORED BARRIER FOR OBJECTS ABOVE THE GRADE LINE AND NEAR THE BARRIER



CROSS SECTION

ANCHORED BARRIER NEAR VERTICAL DROP OFF



CROSS SECTION

ANCHORED BARRIER NEAR A SLOPE

GENERAL NOTES

(400) NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.

(401) CONCRETE DECK

(402) CONCRETE DECK OR APPROACH SLAB.

(403) EXPANSION JOINT

(404) ADHESIVE ANCHOR SHOWN. SEE ANCHOR DETAILS.

(405) ANCHORED TEMPORARY BARRIER

(406) TRANSITION FROM ANCHORED TEMPORARY BARRIER TO FREE STANDING

(407) FREE STANDING BARRIER

(408) REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERCIAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

(409) TRAFFIC SIDE

(410) NON-TRAFFIC SIDE

(411) ANCHOR LOCATION. SEE ANCHORING DETAILS.

(412) WORK AREA

(413) AREA FREE OF OBJECTS AND WORKERS

(414) GRADE LINE

(415) EXTENDED GRADE LINE

(416) ANCHORED TEMPORARY BARRIER. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR AN ASPHALT ANCHOR ROD DETAILS FOR MORE INFORMATION. ASPHALT ANCHOR ROD SHOWN.

(417) WHEN OBJECTS EXTEND ABOVE THE GRADE. A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT.

(418) OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR ALLOWED TO LEAN AGAINST THE BARRIER WITHOUT WRITTEN PERMISSION OF THE PROJECT ENGINEER.

(419) DEPTHS OF 3 FEET OR MORE.

(420) Y = 6.5'

(421) OFFSET FROM BACK OF BARRIER EDGE:

CONCRETE PAVEMENT	0.5'
ASPHALT	0.5'

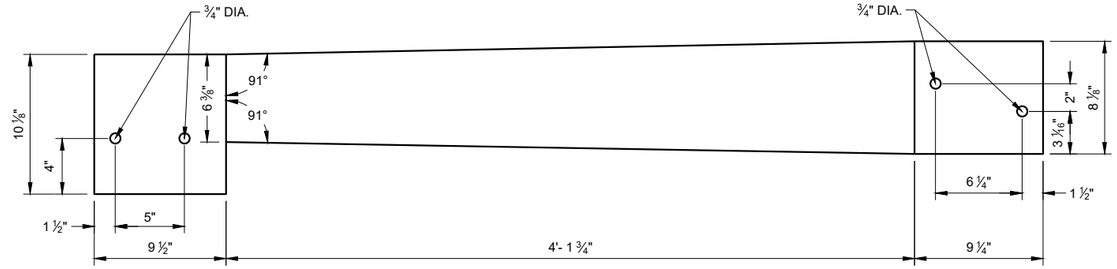
(422) POSTED SPEED (MPH):

45 OR GREATER	4.0'
40 OR LOWER	2.0'

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

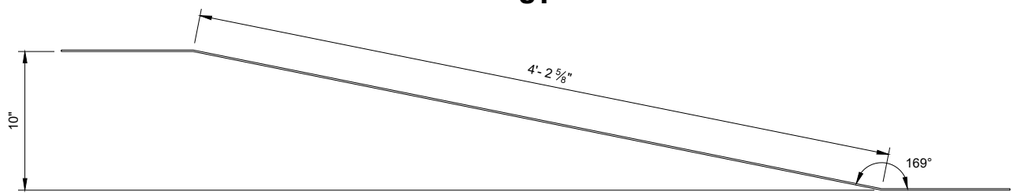
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 14B07-16d



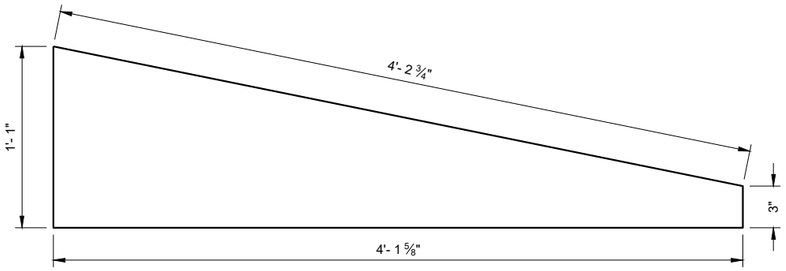
TOP VIEW

S1



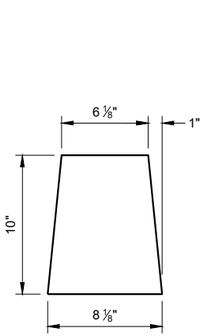
ELEVATION VIEW

S1

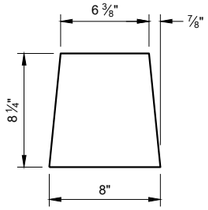


SIDE VIEW

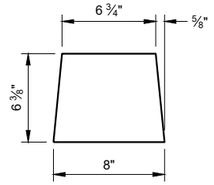
S3



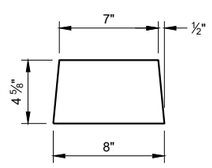
S2



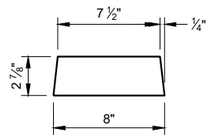
S4



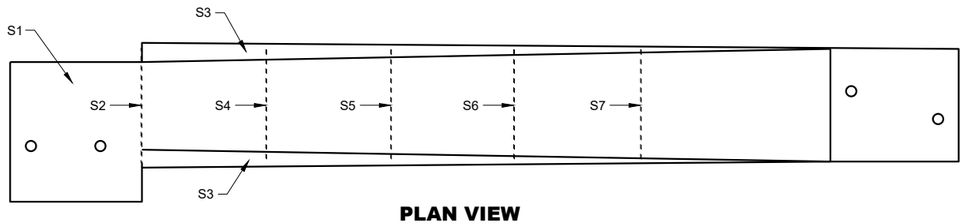
S5



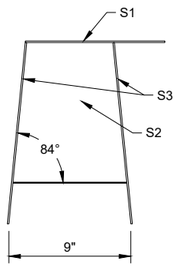
S6



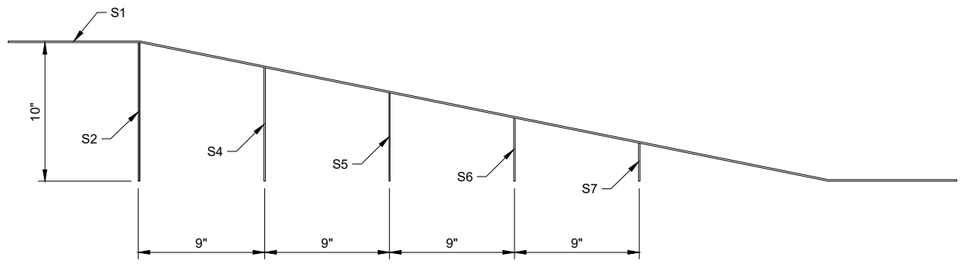
S7



PLAN VIEW



BACK VIEW



SIDE VIEW (600)

42" TOP CAP ASSEMBLY

GENERAL NOTES

STITCH WELD GUSSET PLATES AND END PLATES ON THREE SIDES

STITCH WELD TWO SIDE PLATES TO TOP PLATE, END PLATE AND GUSSETS.

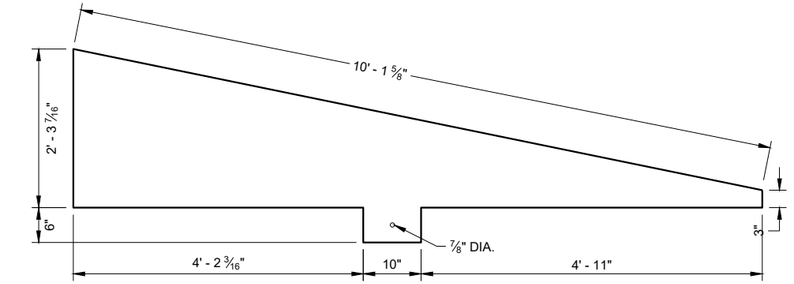
(600) SIDE PLATES (S3) NOT SHOWN FOR CLARITY.

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

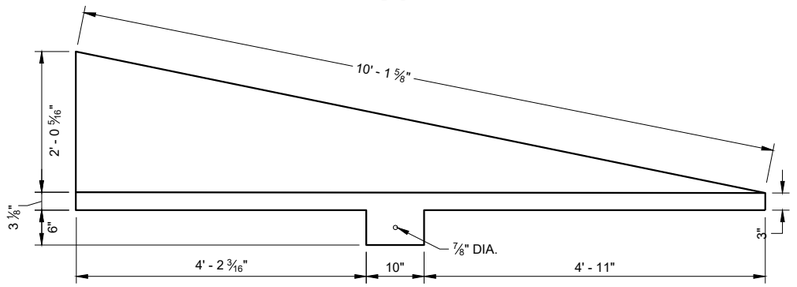
SDD 14B07-16f



SIDE VIEW
T4



END VIEW



SIDE VIEW
T3

END VIEW

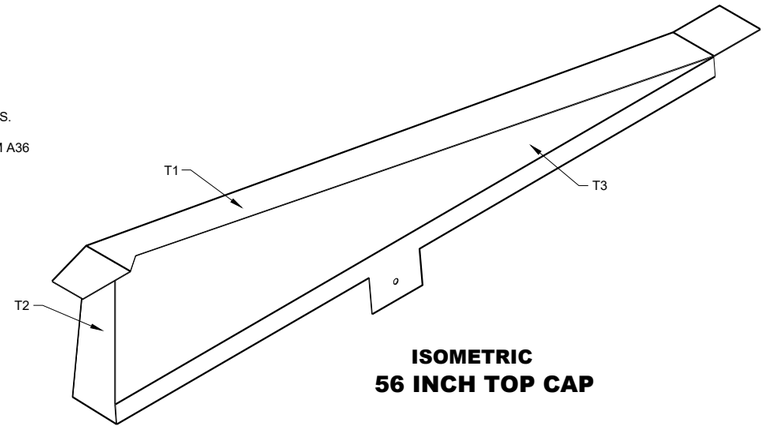
GENERAL NOTES

STITCH WELD GUSSET PLATES AND END PLATES ON THRIE SIDES

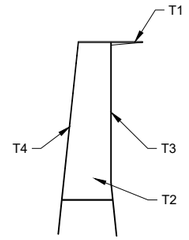
STITCH WELD TWO SIDE PLATES TO TOP PLATE, END PLATE AND GUSSETS.

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.

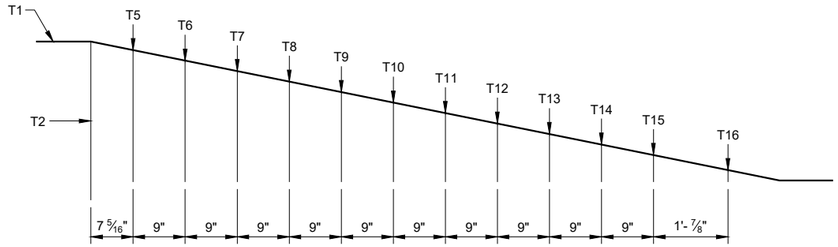
(700) SIDE PLATES (T3 AND T4) NOT SHOWN FOR CLARITY.



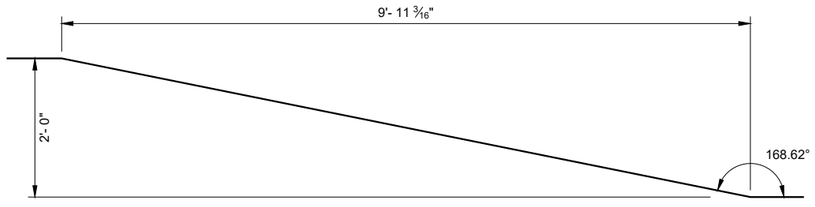
ISOMETRIC
56 INCH TOP CAP



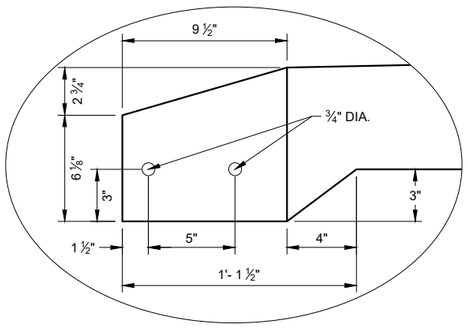
END VIEW
56 INCH TOP CAP



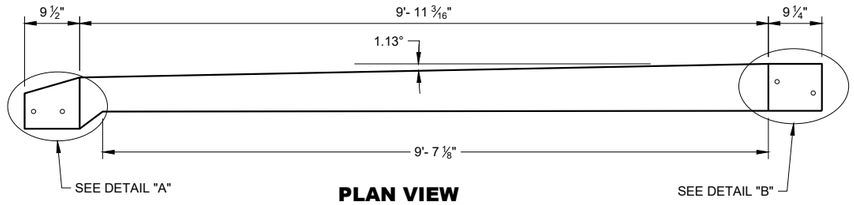
SIDE VIEW (700)
56 INCH TOP CAP



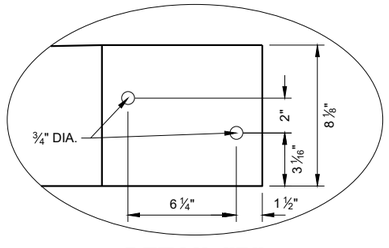
SIDE VIEW
TOP PLATE T1



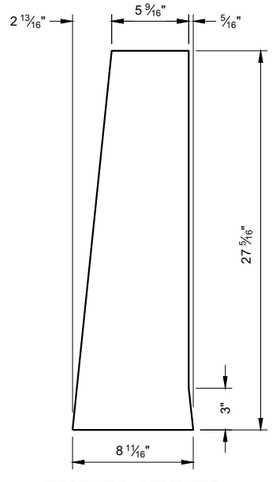
DETAIL "A"



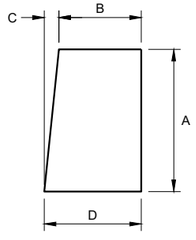
PLAN VIEW
TOP PLATE T1



DETAIL "B"



END PLATE T2



GUSSET PLATES
T5 - T16

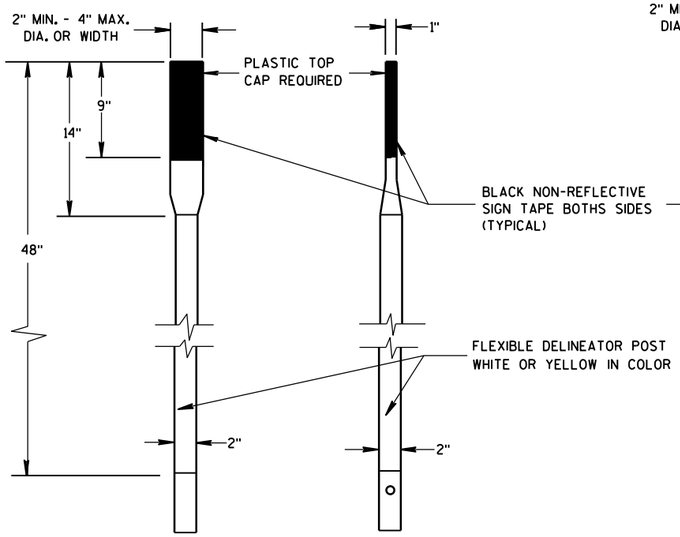
GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
T5	22 13/16"	5 1/16"	2 5/16"	8 1/16"
T6	21"	5 7/8"	2 3/16"	8 1/16"
T7	19 3/16"	6 1/16"	1 15/16"	8 1/16"
T8	17 3/8"	6 1/4"	1 13/16"	8 1/16"
T9	15 5/16"	6 7/16"	1 9/16"	8 1/16"
T10	13 3/4"	6 5/8"	1 7/16"	8 1/16"
T11	11 15/16"	6 13/16"	1 1/4"	8 1/16"
T12	10 1/8"	7"	1 1/16"	8 1/16"
T13	8 5/16"	7 3/16"	7/8"	8 1/16"
T14	6 1/2"	7 3/8"	1 1/16"	8 1/16"
T15	4 11/16"	7 9/16"	1/2"	8"
T16	2 7/8"	7 3/4"	1/4"	8"

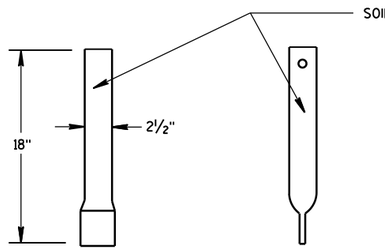
CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
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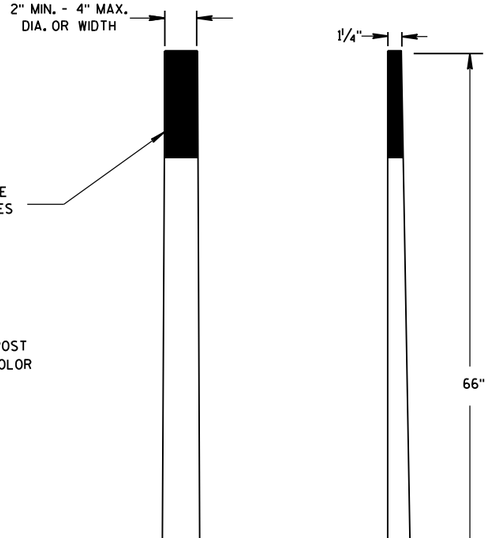
SDD 14B07-16g





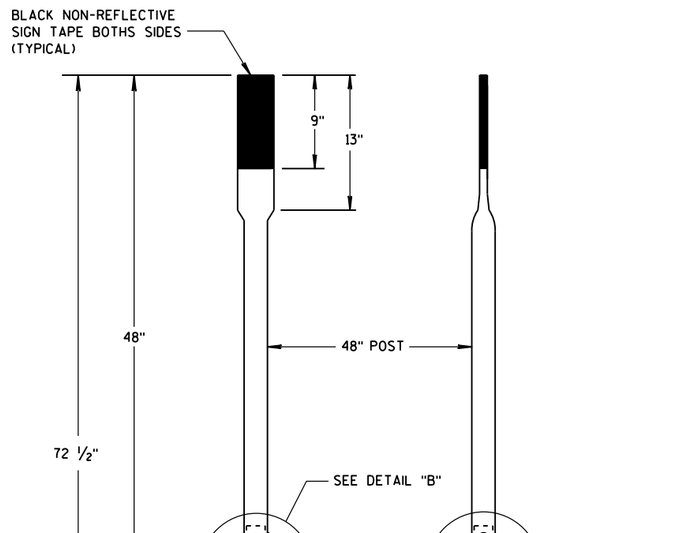
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

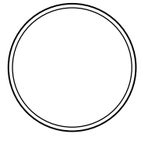
ALTERNATE 2



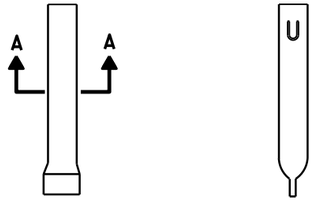
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS

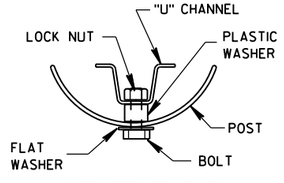


SECTION A-A

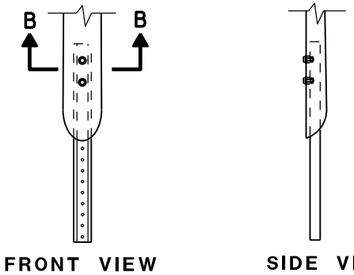


FRONT VIEW SIDE VIEW

ALTERNATE 1

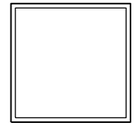


SECTION B-B

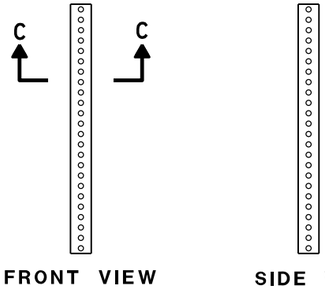


FRONT VIEW SIDE VIEW

ALTERNATE 2



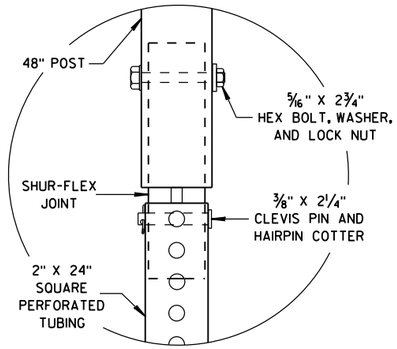
SECTION C-C



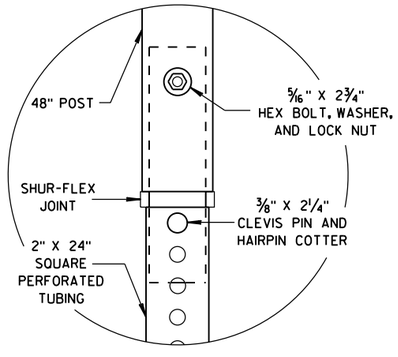
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

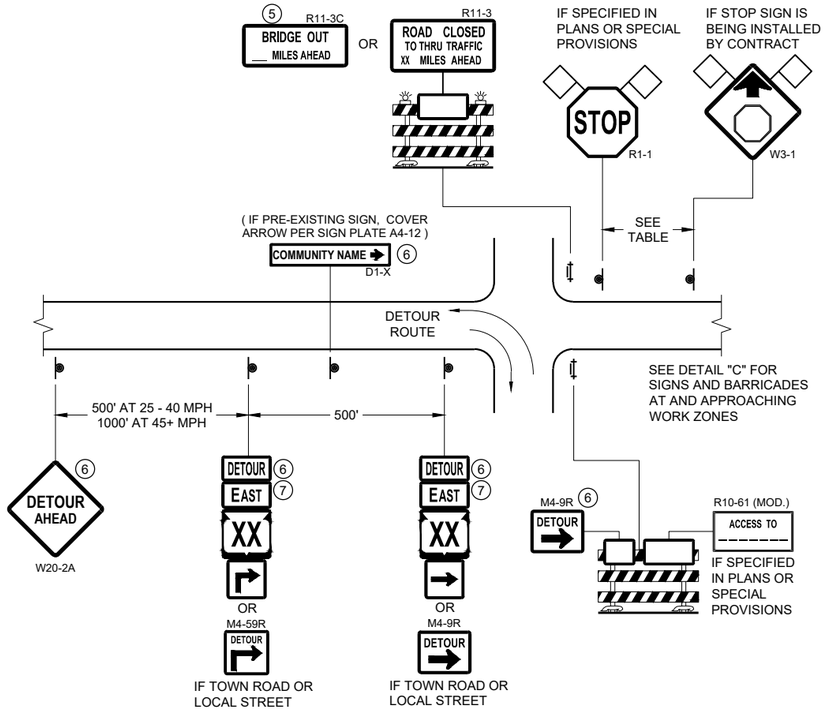
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 A 3-2b

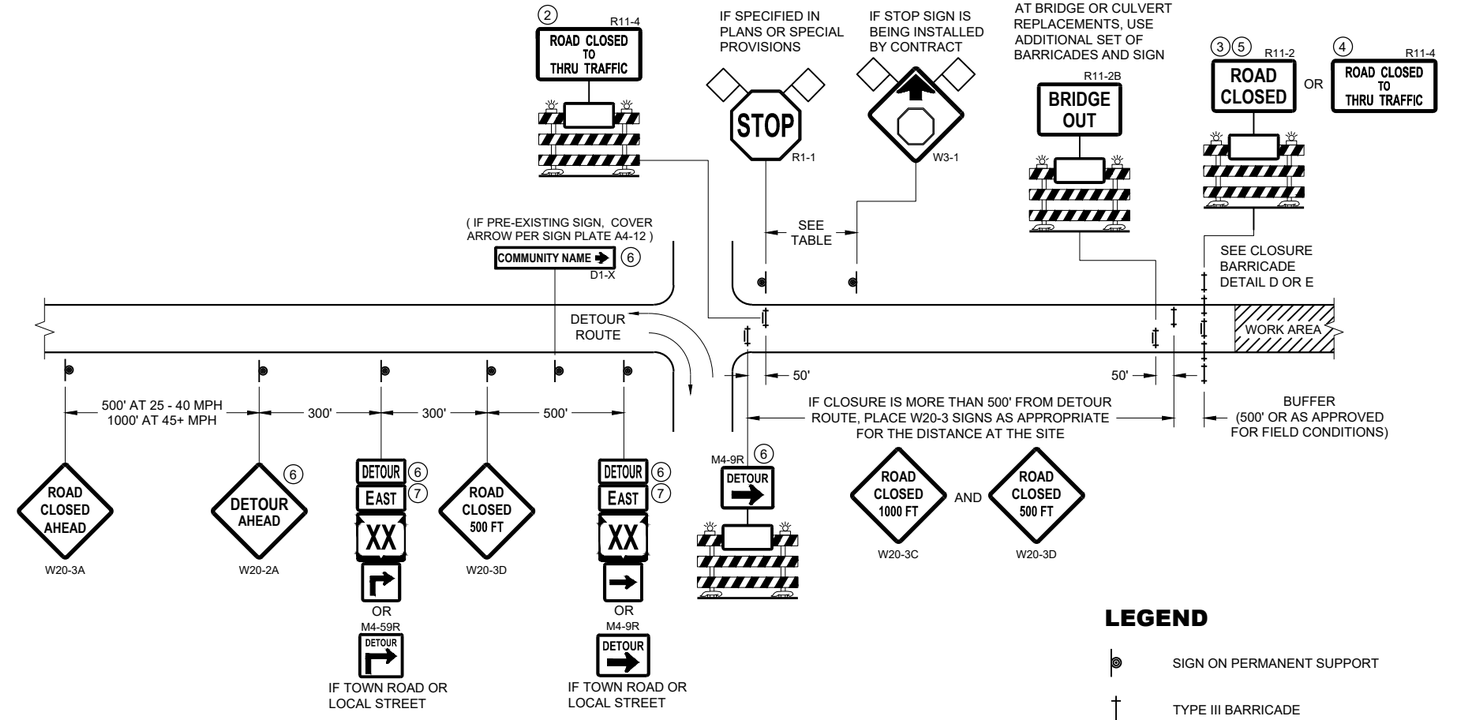
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S.D.D. 15 A 3-2b



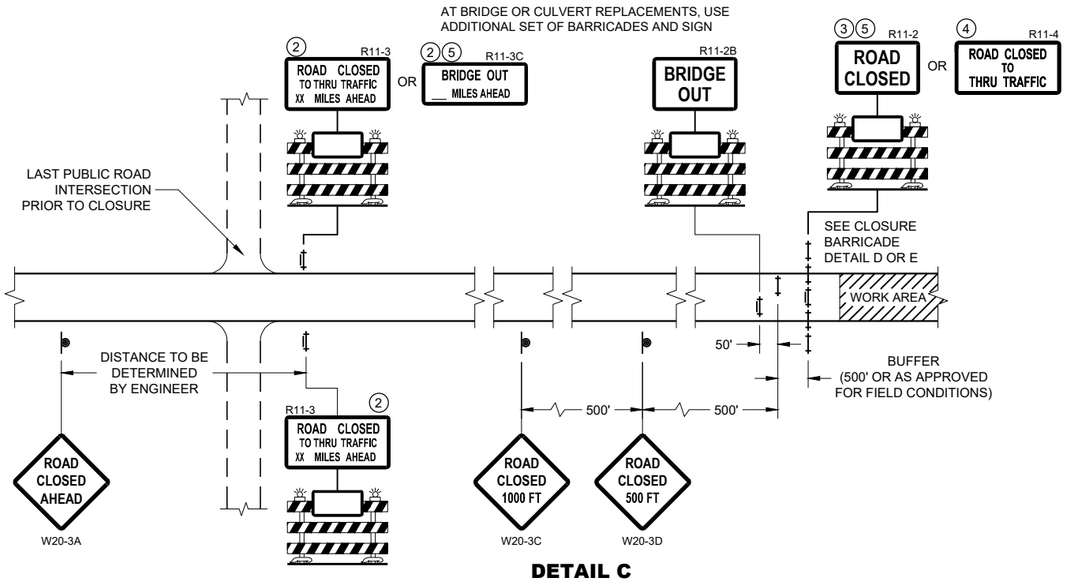
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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

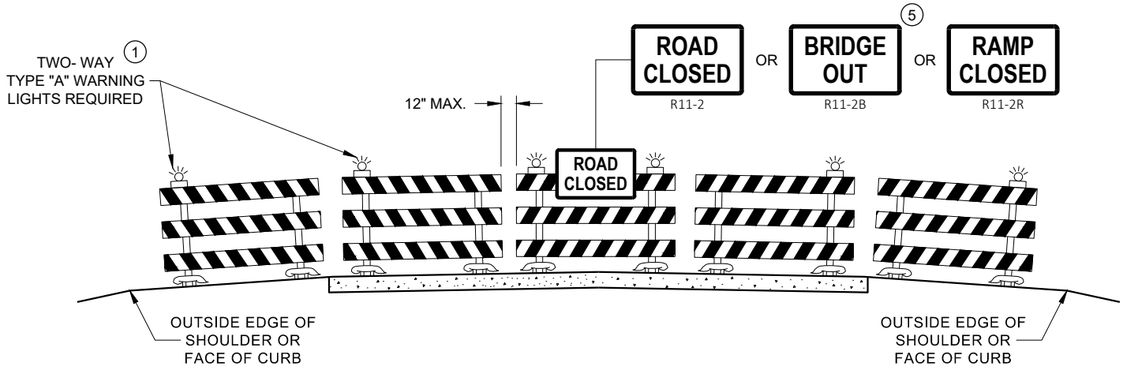
APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

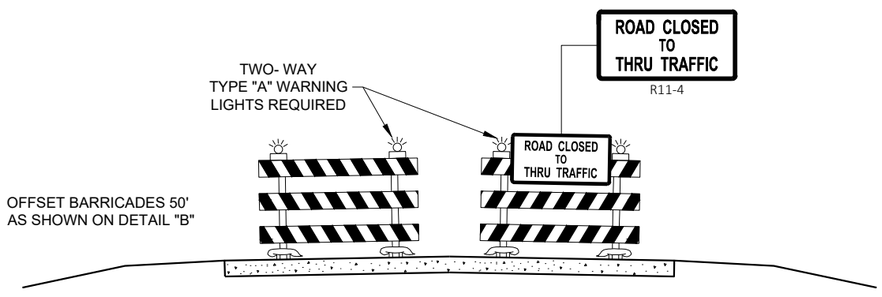
6

SDD 15C02 - 09a

SDD 15C02 - 09a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

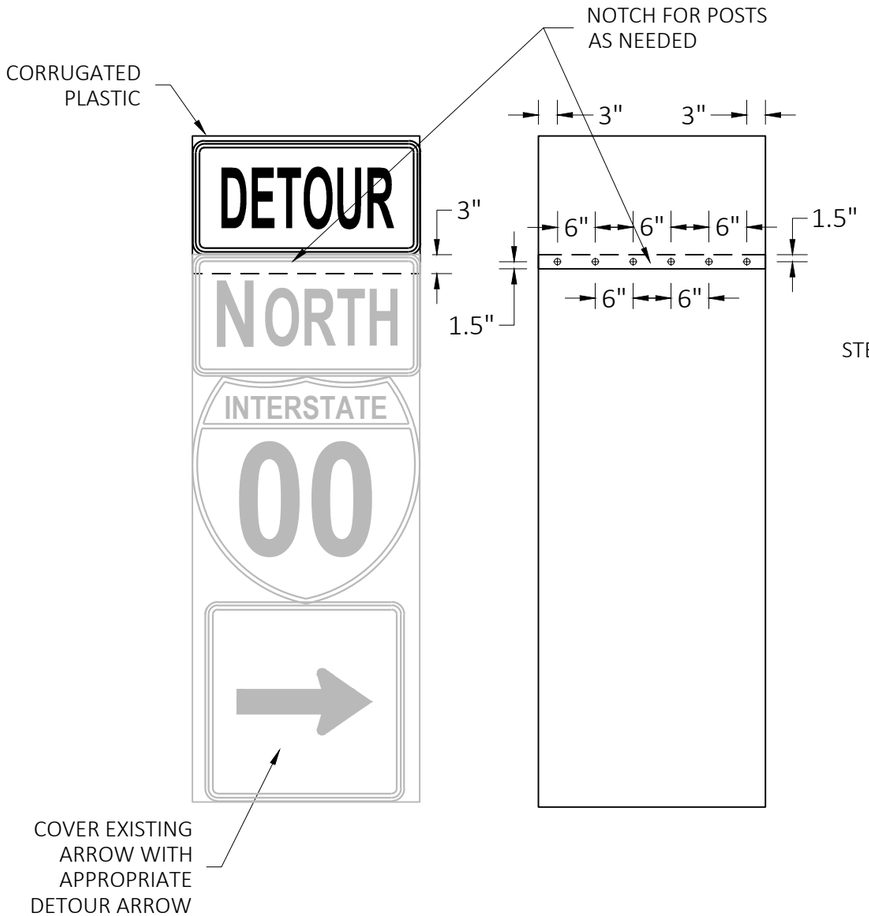
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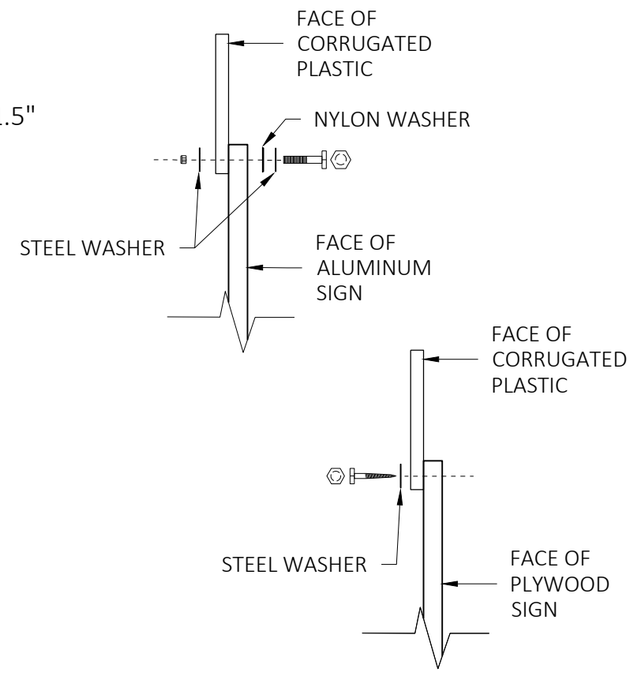
SDD 15C02 - 09b

FRONT SIDE

BACK SIDE

SIDE VIEW





GENERAL NOTES

CELLS OF CORRUGATED PLASTIC SHALL BE VERTICALLY ORIENTED.

PROVIDE A 0.4-INCH THICK BASE CORRUGATED PLASTIC WITH A 0.035-INCH WALL THICKNESS AND 0.4-INCH CELL SIZE.

FOR 36" WIDE SIGNS: USE 6 FASTENERS AS SHOWN.

FOR 24" WIDE SIGNS: USE 4 FASTENERS WITH EDGE SPACING AS SHOWN AND 6" SPACING BETWEEN FASTENERS.

METAL WASHERS, NUTS, BOLTS AND LAGS 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, SC3

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.

PLYWOOD SIGNS:
LAG SCREWS - 5/16" x 1"
ALUMINUM SIGNS:
MACHINE BOLTS - 5/16" x 1-1/4" LENGTH W/NUTS
WASHERS:
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

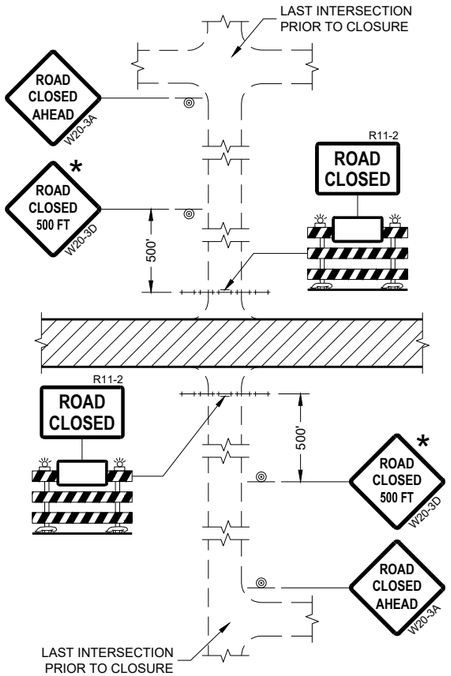
MODIFIED ROUTE ASSEMBLY FOR DETOUR SIGNING

MODIFIED ROUTE ASSEMBLY FOR DETOUR SIGNING

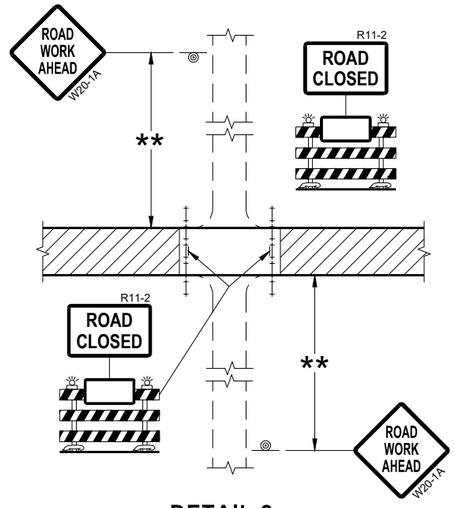
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — ROADWAY STANDARDS DEVEL ENGINEER
FHWA

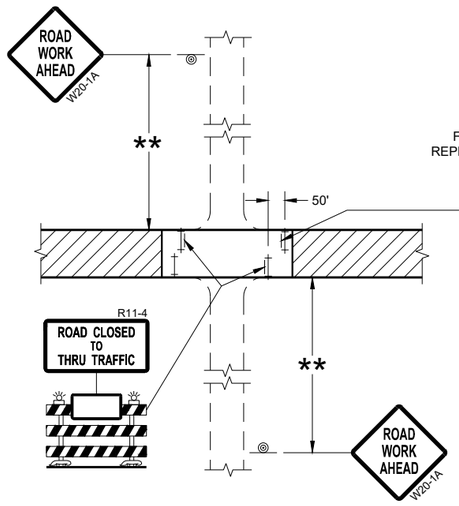
6
SDD 15C02-09h



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C03 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

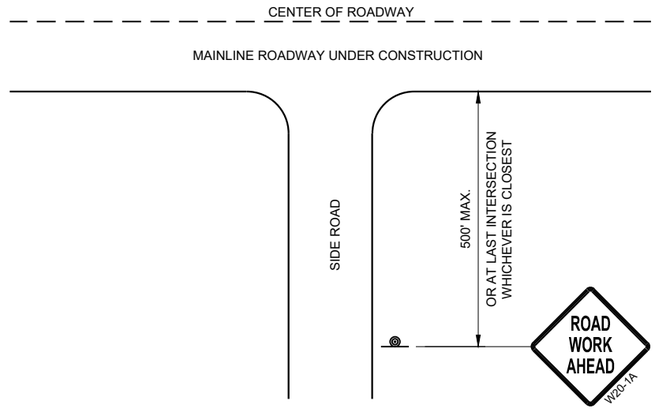
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



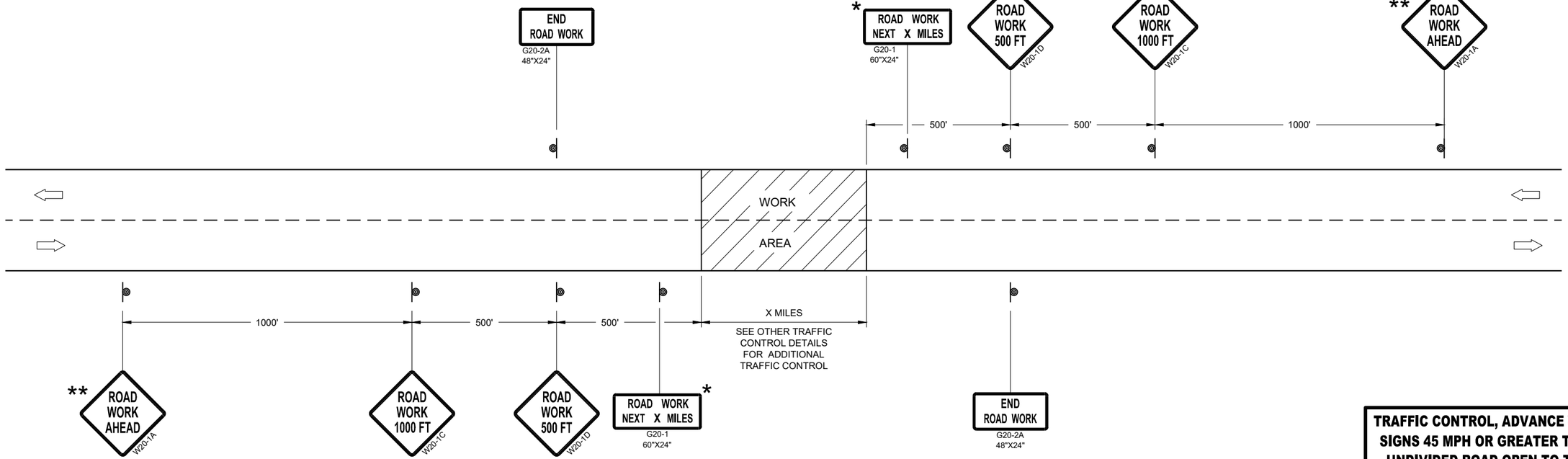
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

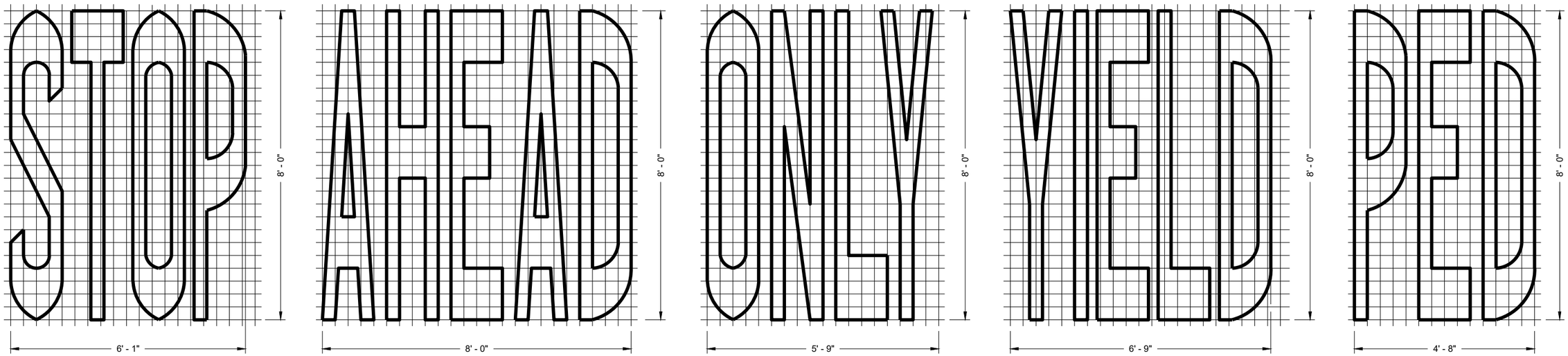
APPROVED
July 2018
DATE

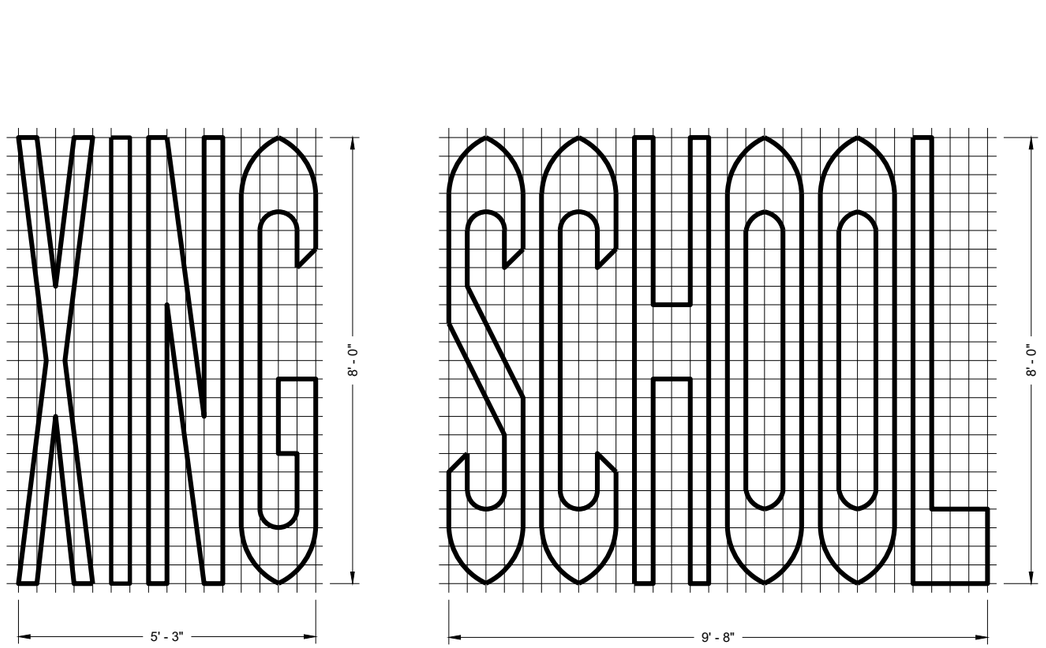
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

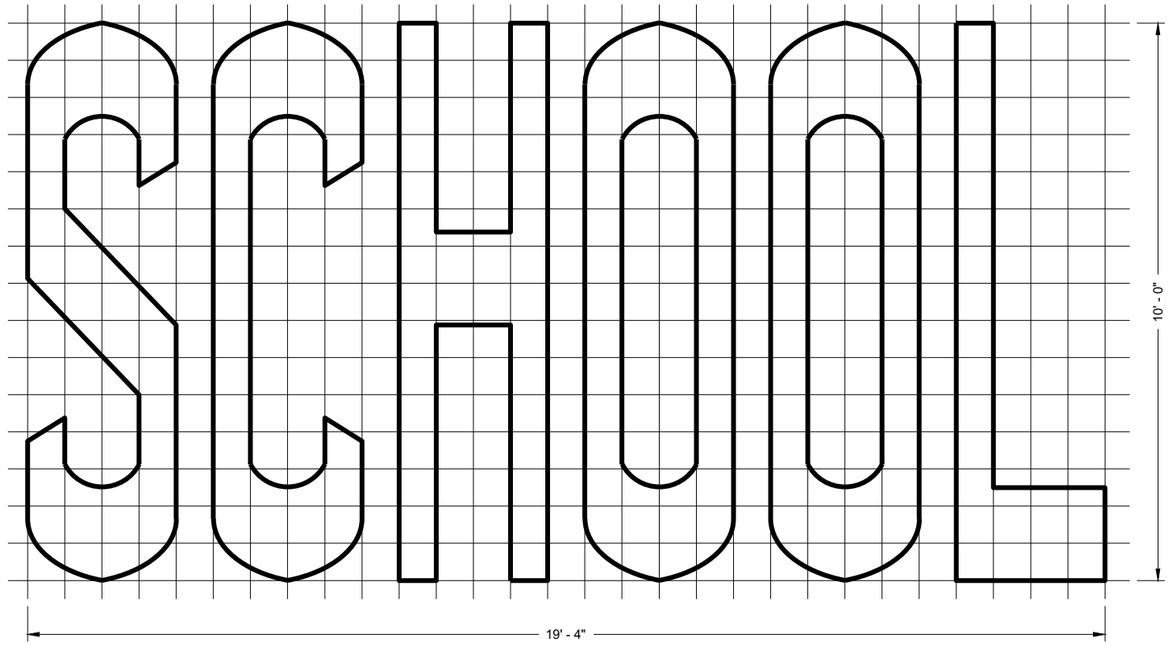
6

SDD 15C04 - 05





SINGLE LANE



TWO - LANE

GENERAL NOTES

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

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

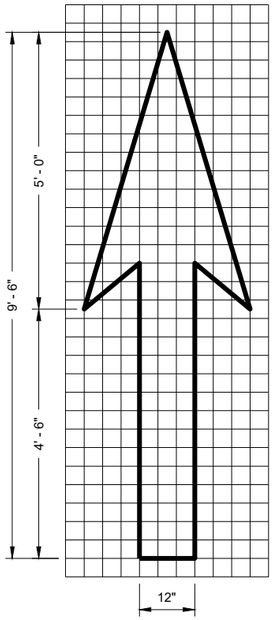
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SDD 15C07 - 15b

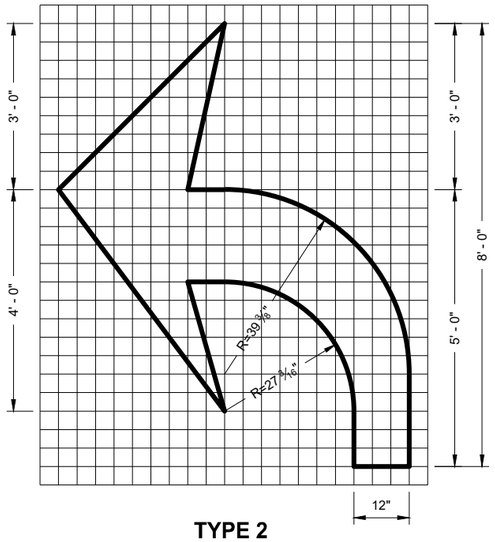
SDD 15C07 - 15b

GENERAL NOTES

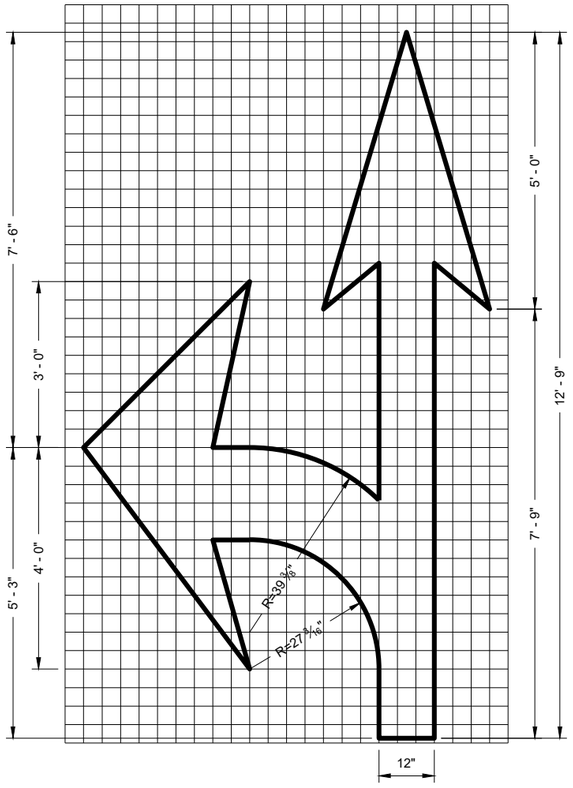
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



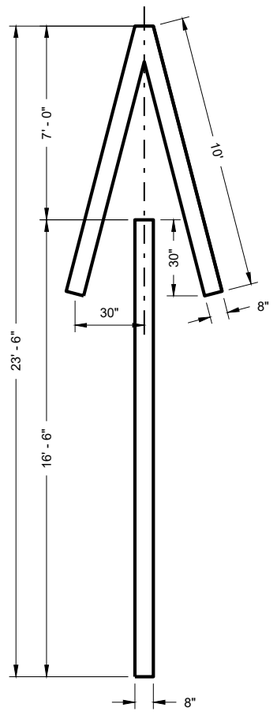
TYPE 1



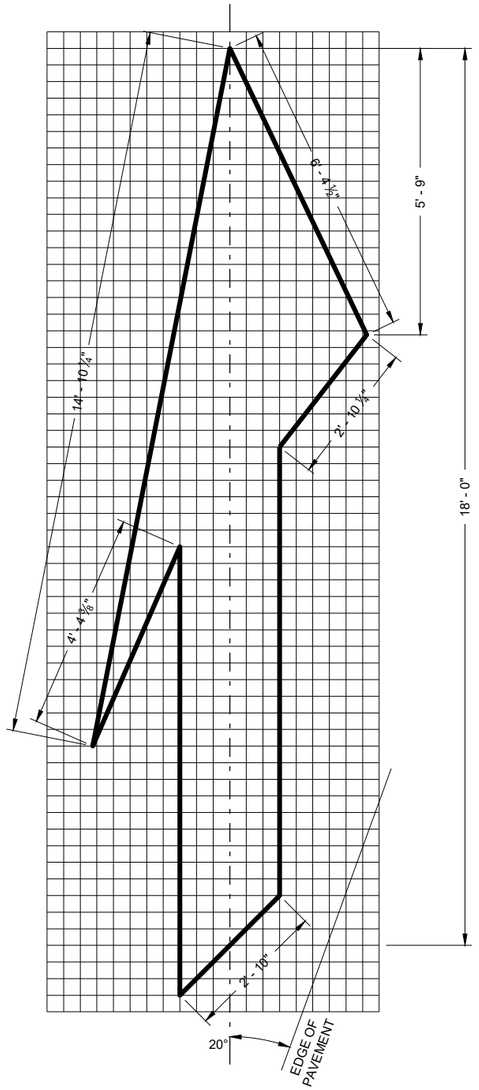
TYPE 2



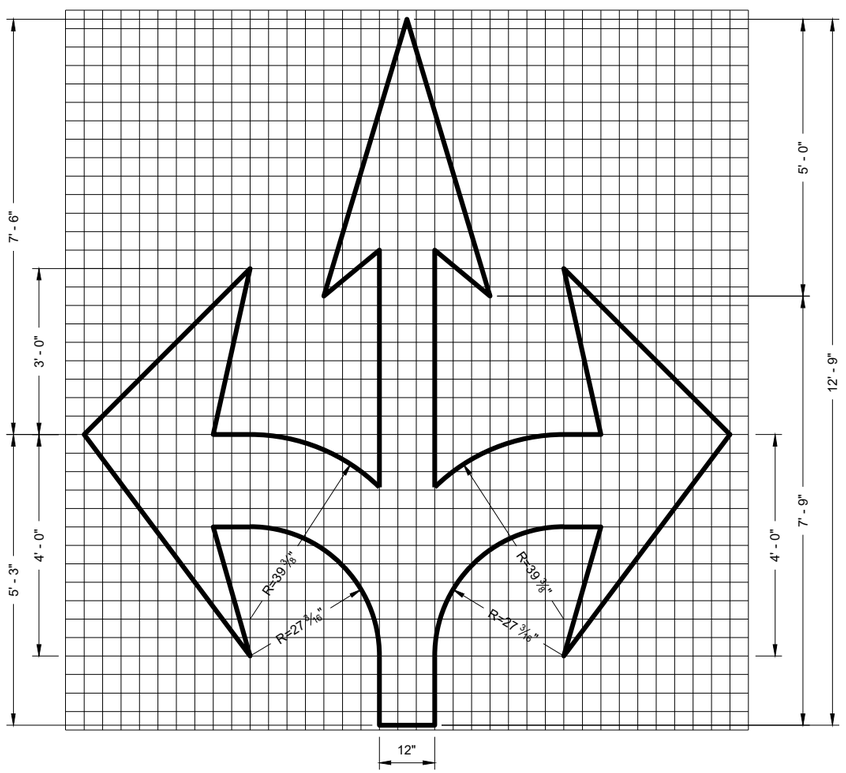
TYPE 3



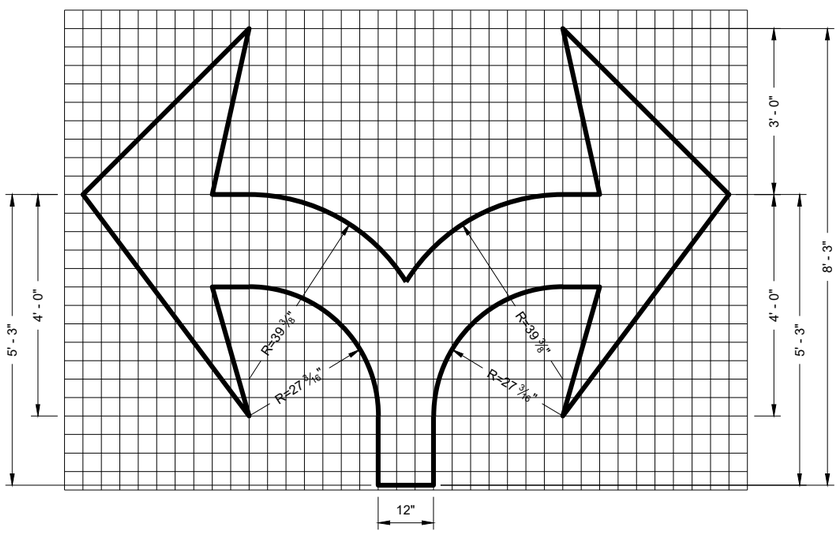
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

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SDD 15C07 - 15c

6

SDD 15C07 - 15c

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

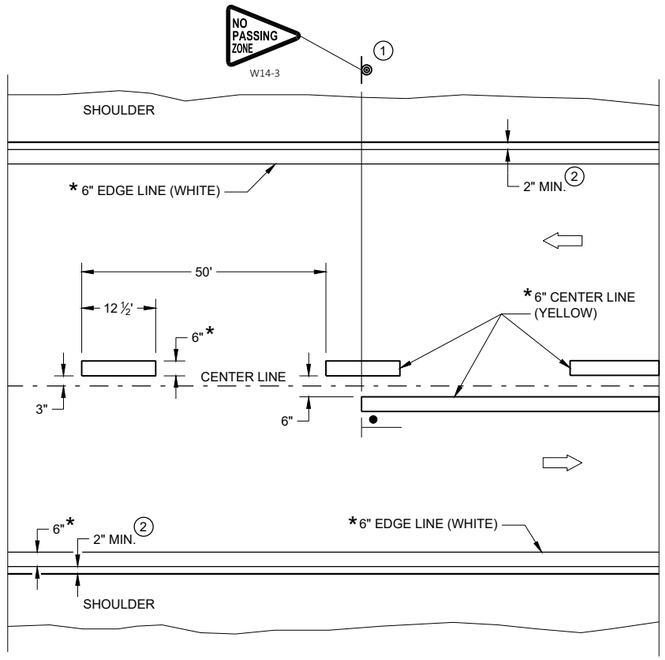
(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

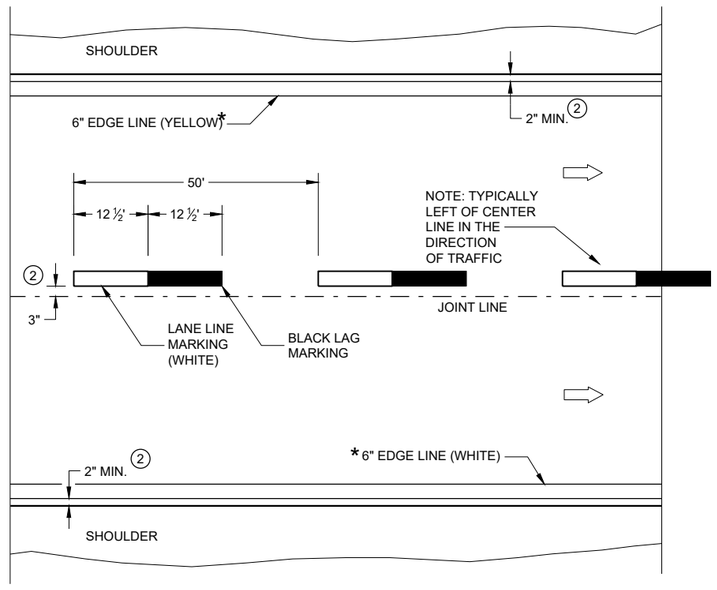
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

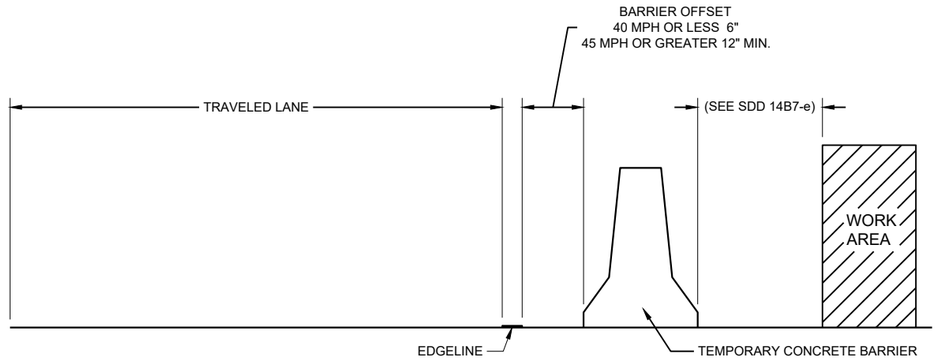
PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — STATEWIDE SIGNING AND M ENGINEER
FHWA

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SDD 15C08-23a



TEMPORARY BARRIER OFFSET FROM EDGELINE

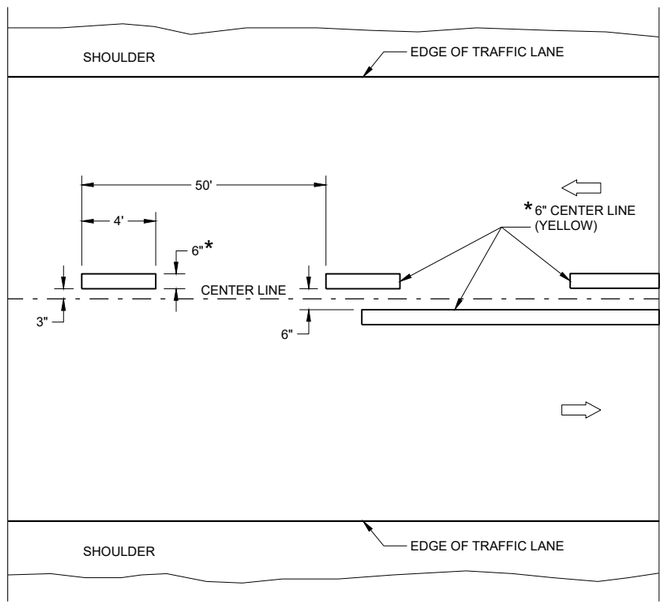
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

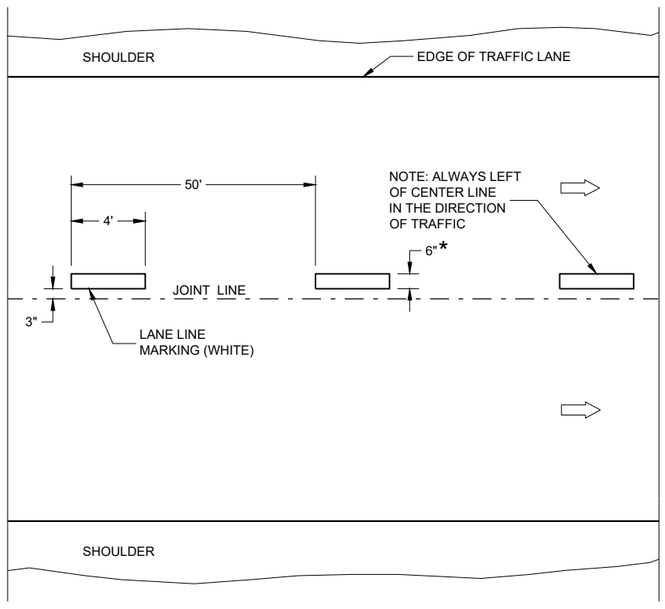
LEGEND

⇨ DIRECTION OF TRAFFIC

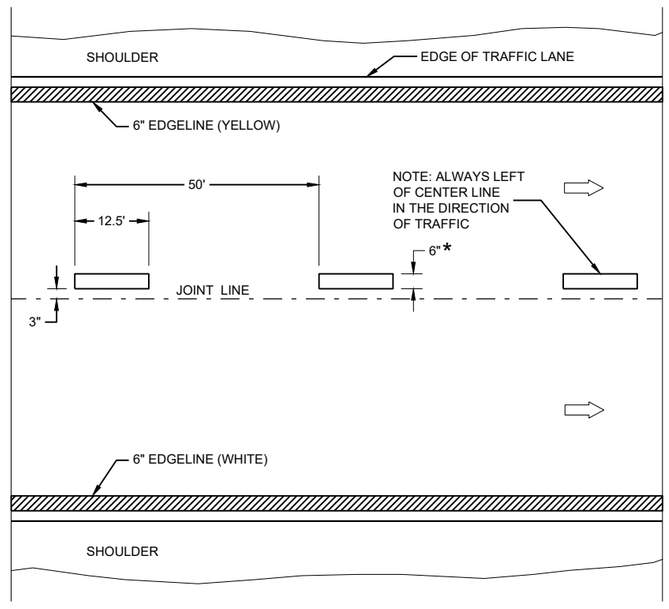
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — STATEWIDE SIGNING AND M ENGINEER

FHWA

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SDD 15C08-23b

6

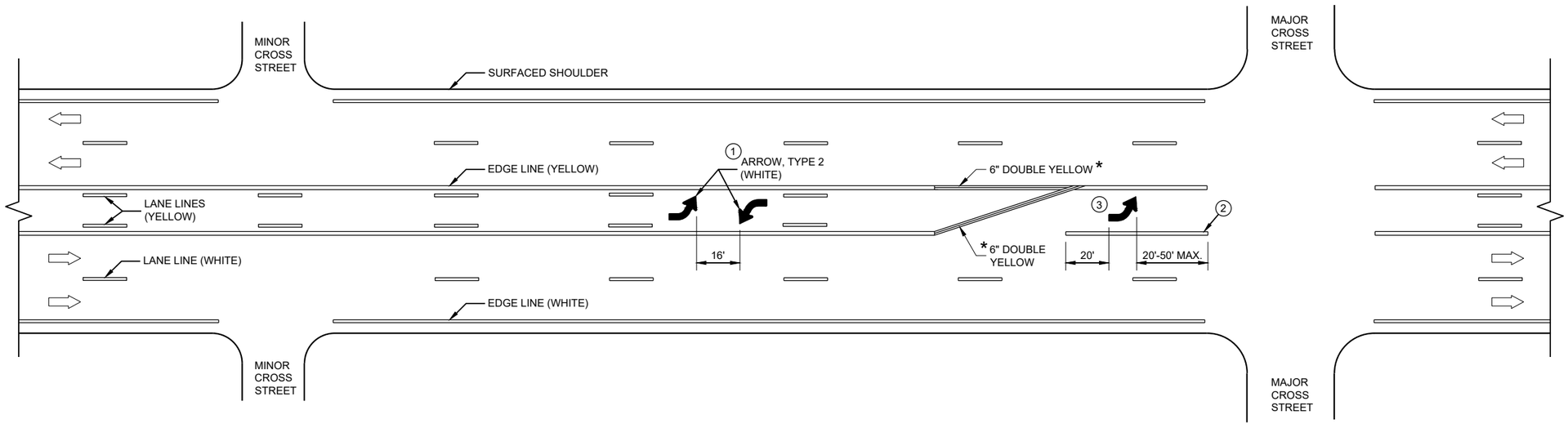
SDD 15C08-23b

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 10" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

DIRECTION OF TRAFFIC

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



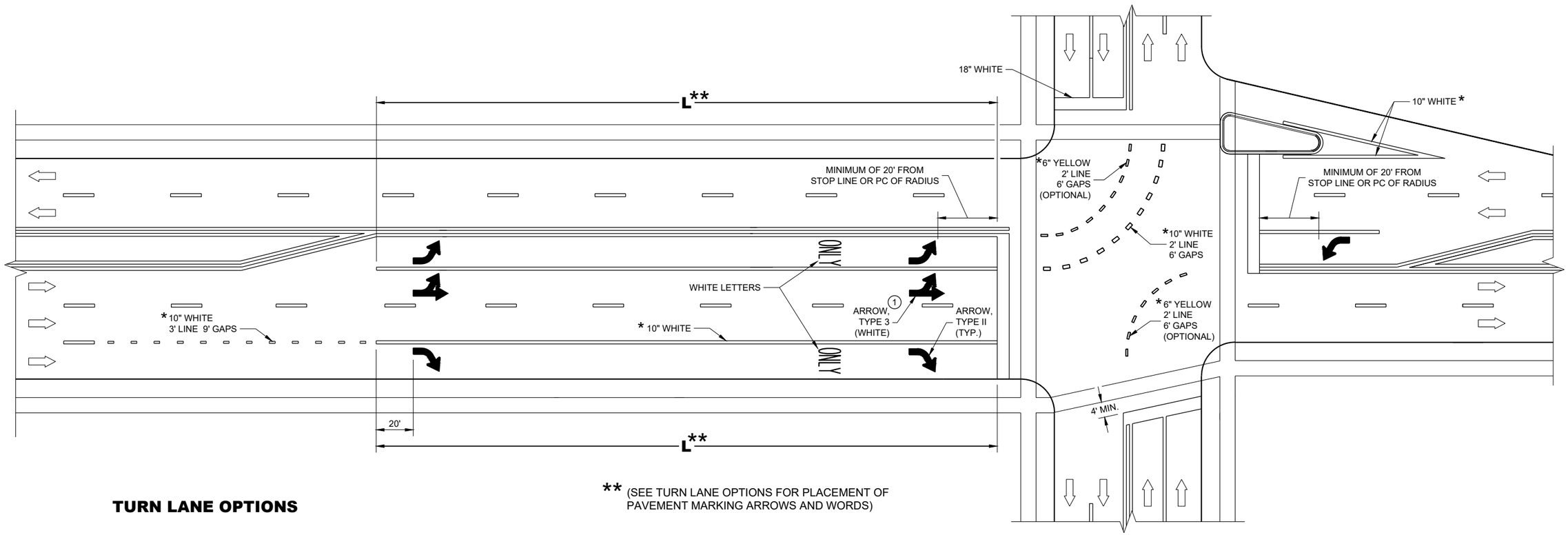
TWO WAY LEFT TURN LANE

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA· 362

SDD 15C08-23c

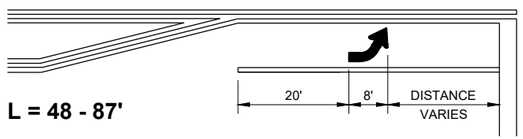
6



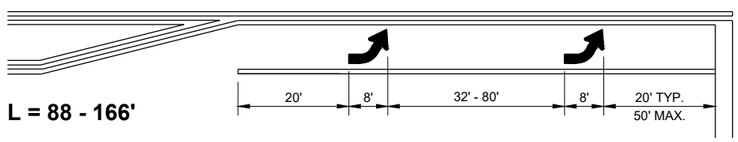
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

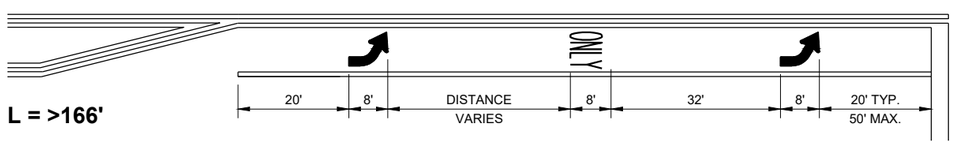
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



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

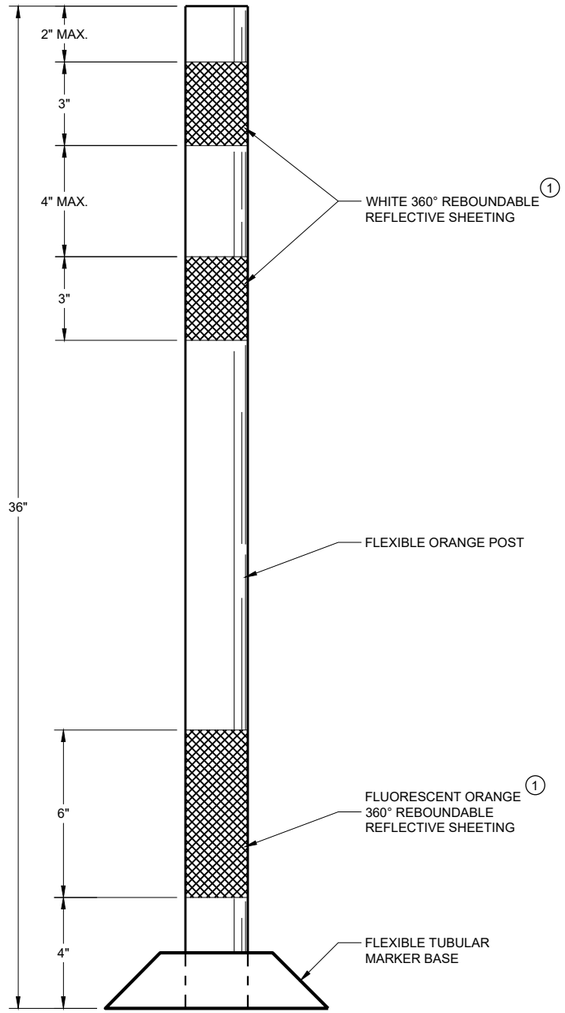
PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 15C08-23d

SDD 15C08-23d



FLEXIBLE TUBULAR MARKER POST WORK ZONE

GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

6

SDD 15C11 - 10a

CHANNELIZING DEVICES
FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

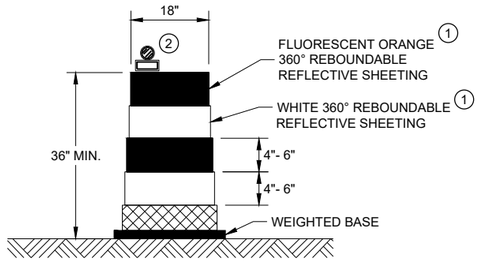
FHWA

6

SDD 15C11 - 10a

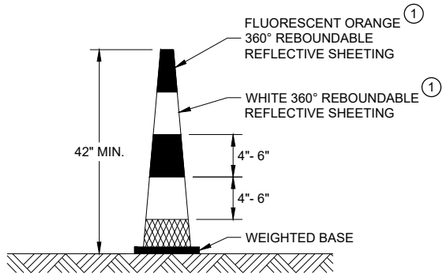
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

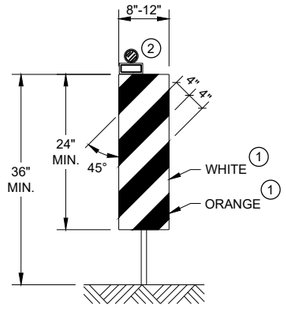
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

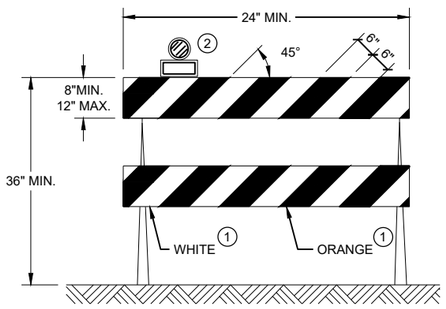
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



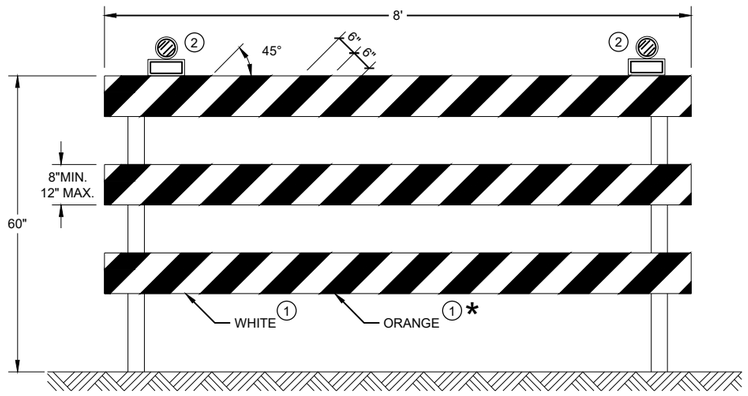
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15C11 - 10b

6

SDD 15C11 - 10b

LEGEND

- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TEMPORARY PORTABLE RUMBLE STRIP ARRAY
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

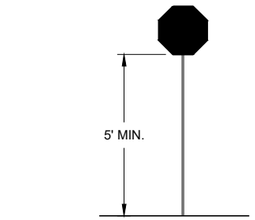
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



STOP/SLOW PADDLE ON SUPPORT STAFF

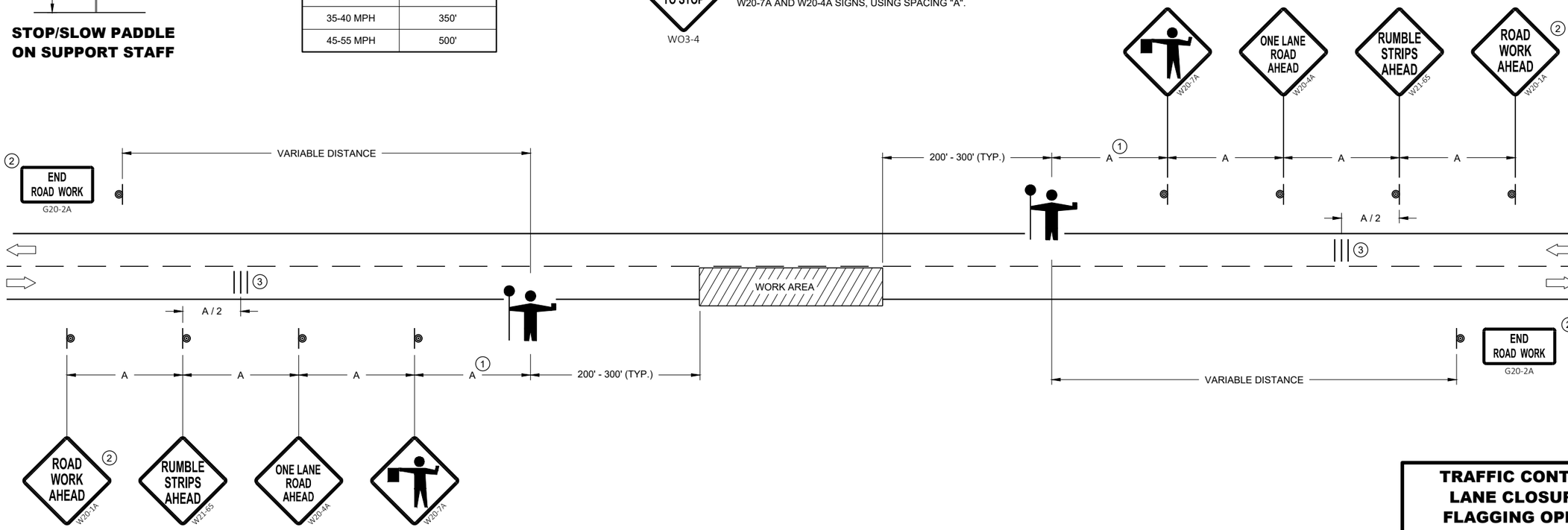
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

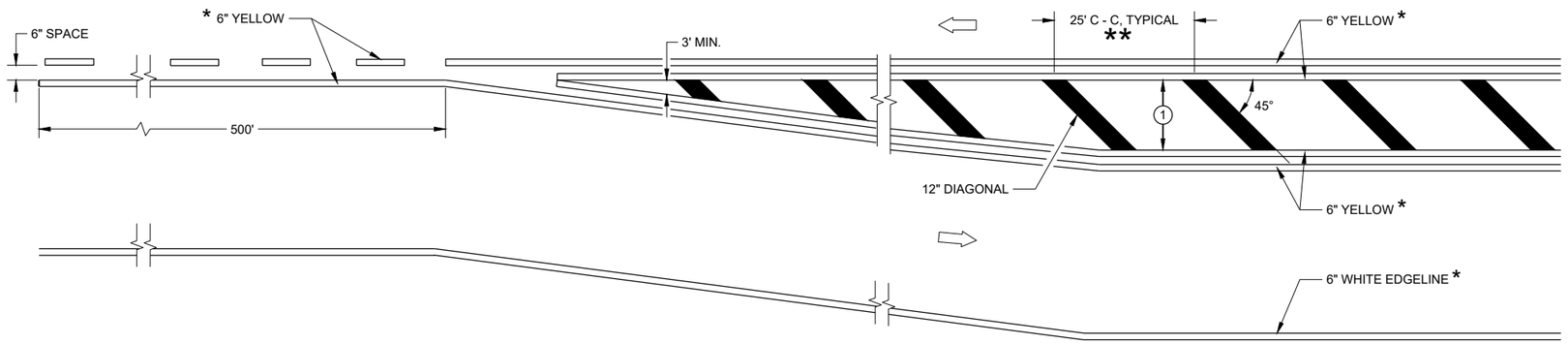
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15C12 - 09a



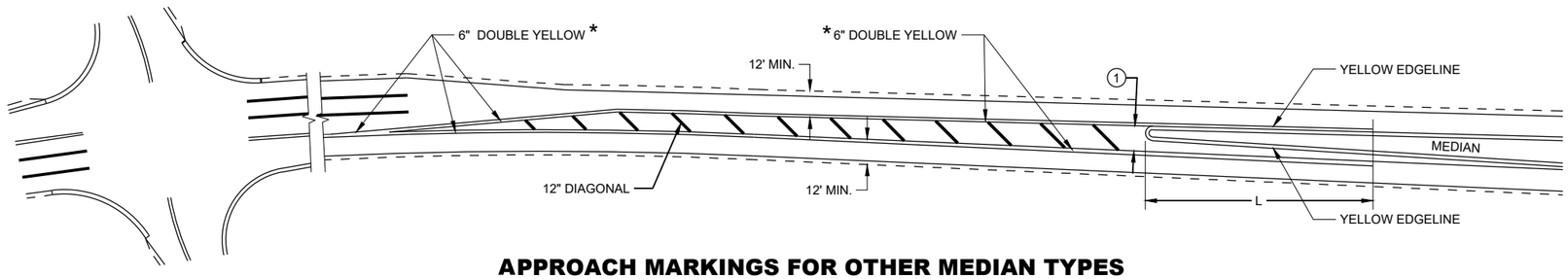
MEDIAN ISLAND DETAIL

GENERAL NOTES

1. DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

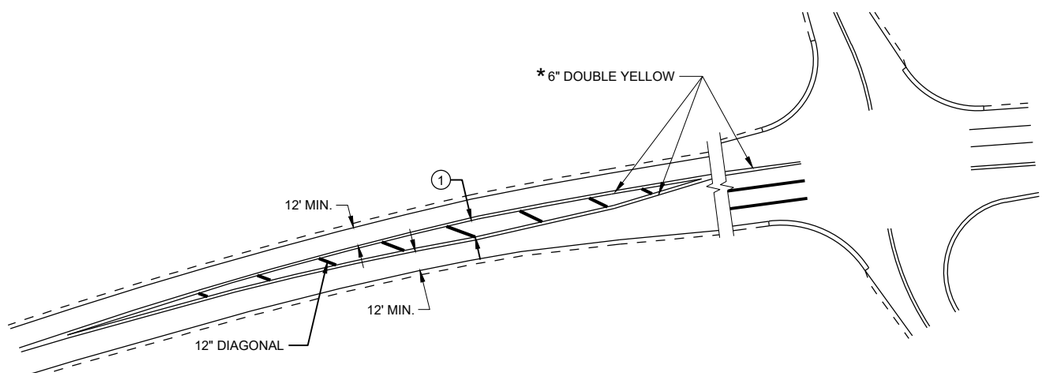
⇨ DIRECTION OF TRAVEL

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



APPROACH MARKINGS FOR OTHER MEDIAN TYPES

SPEED LIMIT	L
<35 MPH	5'
35> MPH	50'



NON-APPROACH MARKINGS

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MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

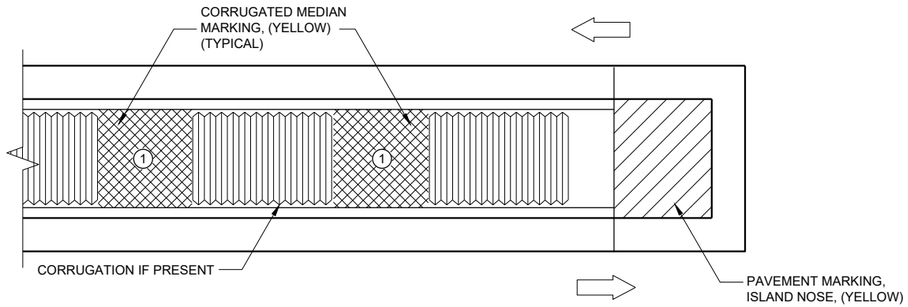
APPROVED
May 2023
DATE

/S/ Jeannie Silver
STATE SIGNING AND MAF ENGINEER

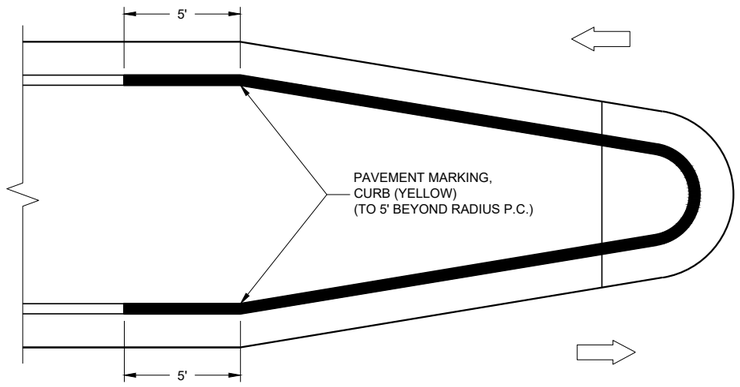
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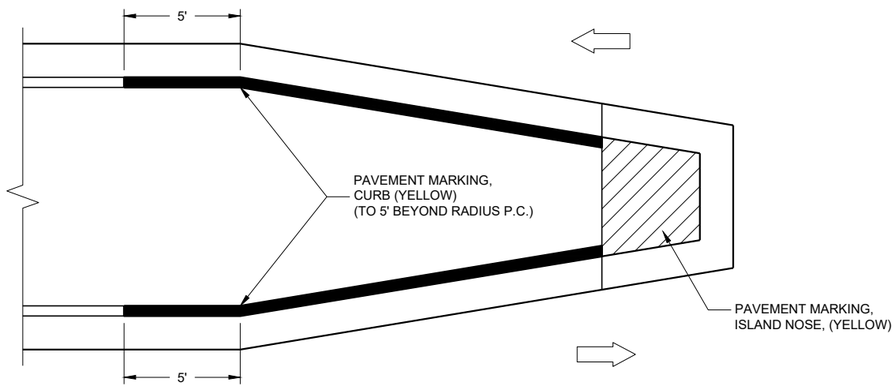
SDD 15C18-08a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

PAVEMENT MARKINGS, MEDIAN ISLAND NOSE

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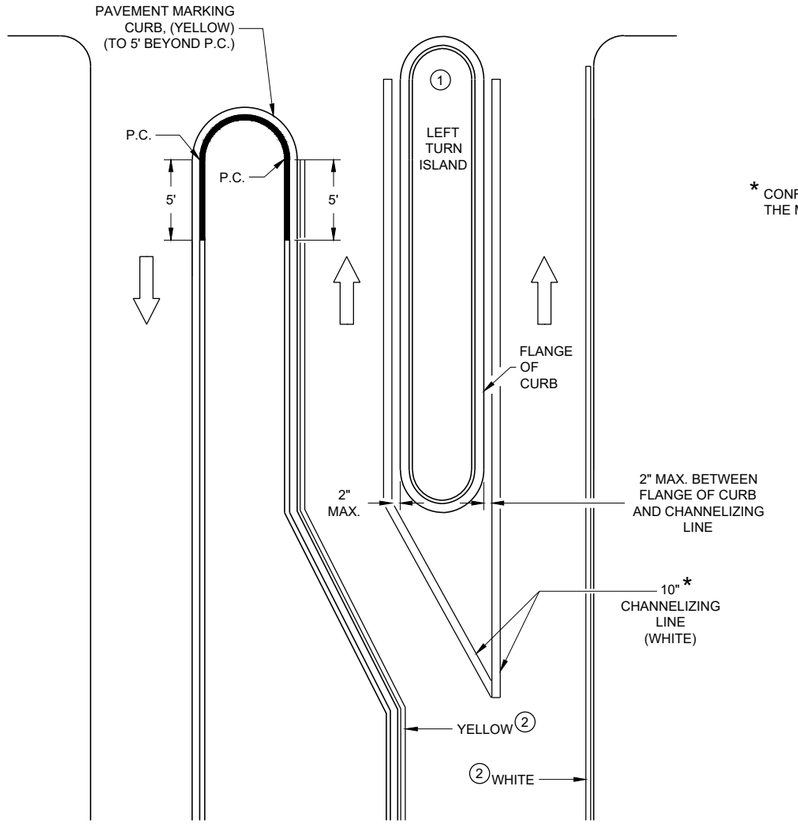
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REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED



* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEFT TURN & MEDIAN ISLAND

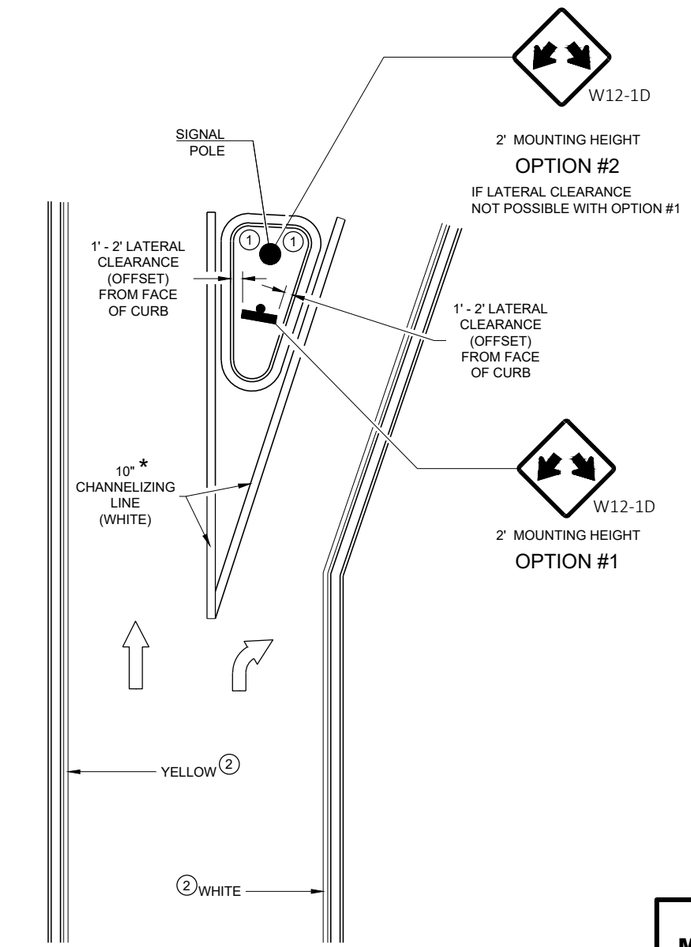
GENERAL NOTES

APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

1. MARK CURB NOSES YELLOW.
2. MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



RIGHT TURN ISLAND

MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

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FHWA

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SDD 15C18-08c

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SDD 15C18-08c

LEGEND

V1 LEAD VEHICLE

V2 MARKING VEHICLE

V3 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

FLASHING ARROW PANEL (CAUTION)

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

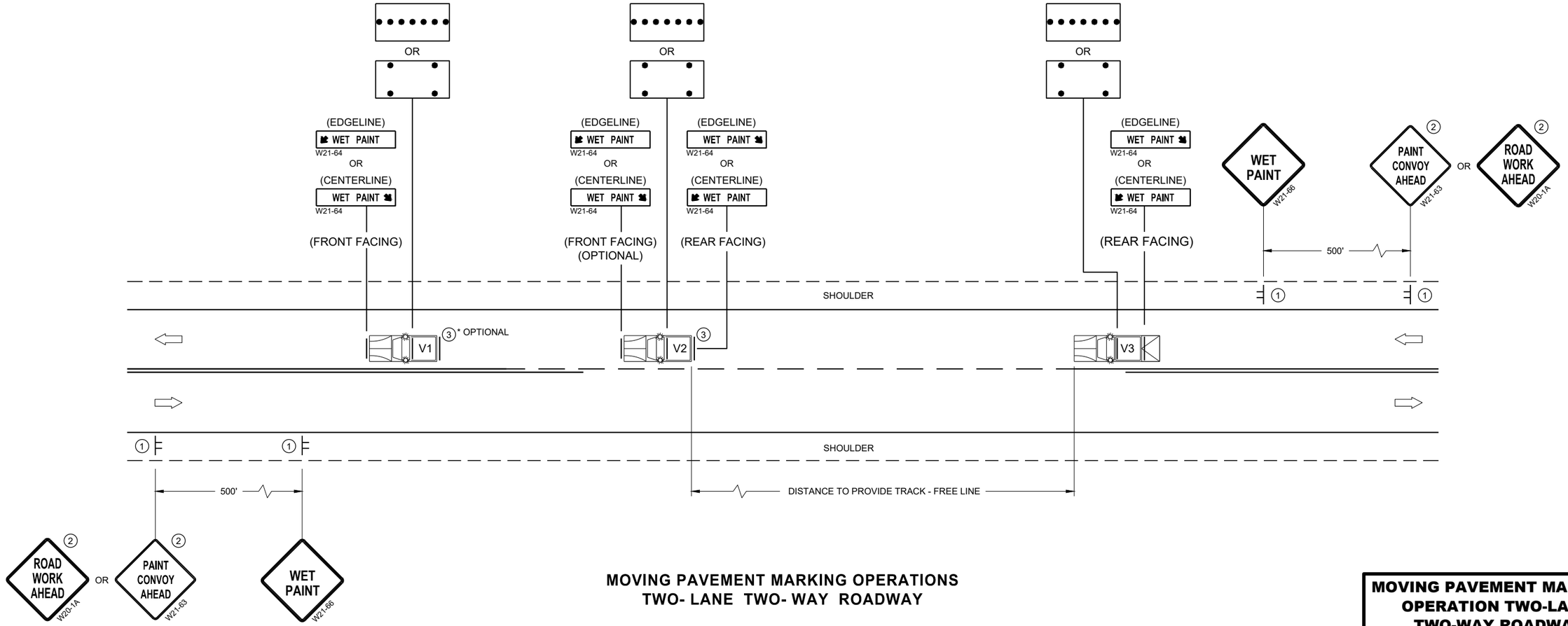
CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM OF 28" FOR WET PAVEMENT MARKING .

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.

(3) V1 AND V2 CAN BE SWITCHED SO THAT THE MARKER IS THE LEAD VEHICLE.



MOVING PAVEMENT MARKING OPERATIONS
TWO- LANE TWO- WAY ROADWAY

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023
DATE

/S/ Andrew I
WORK ZONE EN

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SDD 15C19-08a

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SDD 15C19-08a

LEGEND

V1 LEAD VEHICLE

V2 MARKING VEHICLE

V3 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

FLASHING ARROW PANEL (MERGE)

FLASHING ARROW PANEL (CAUTION)

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

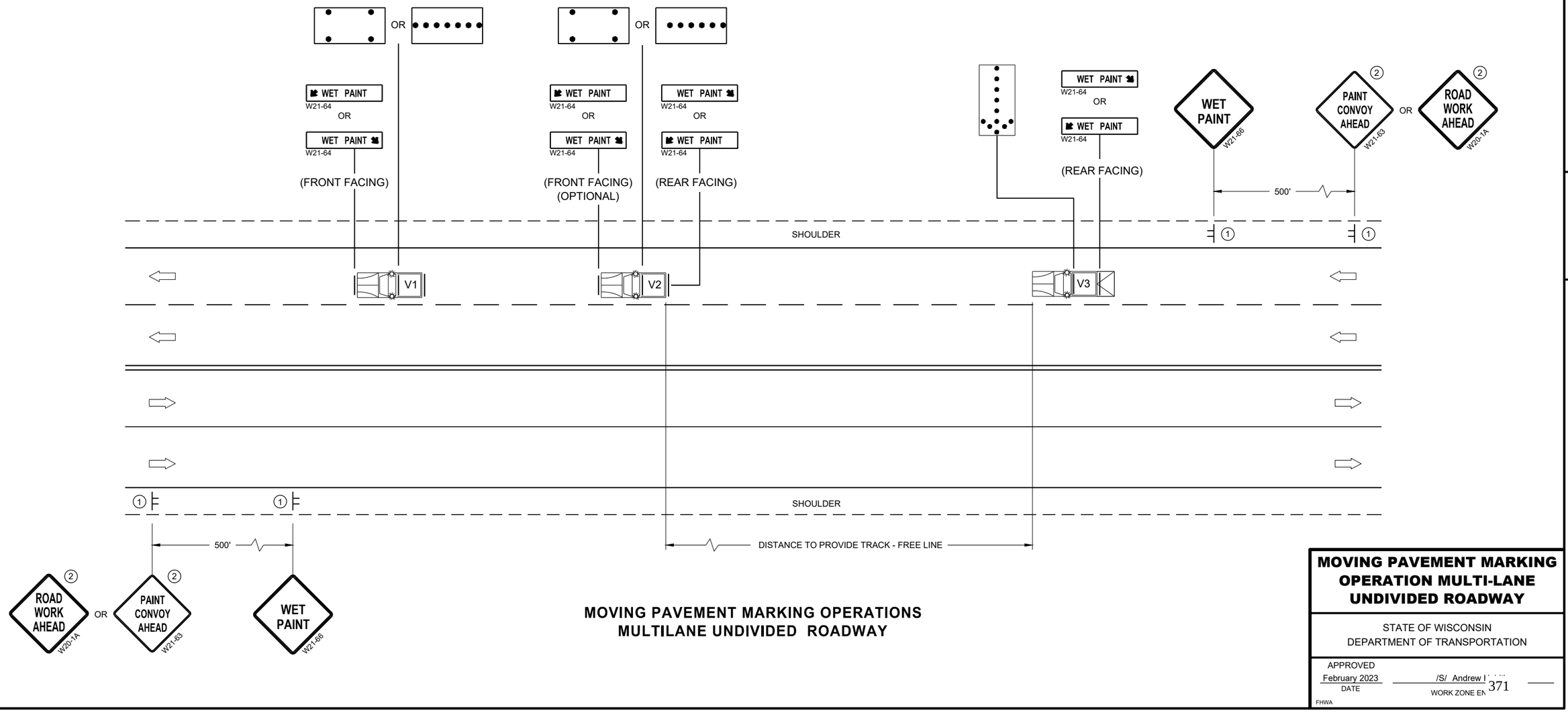
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLES AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL HAVE A MINIMUM HEIGHT OF 28" FOR WET PAVEMENT MARKINGS.

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.



MOVING PAVEMENT MARKING OPERATIONS
MULTILANE UNDIVIDED ROADWAY

MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023
DATE

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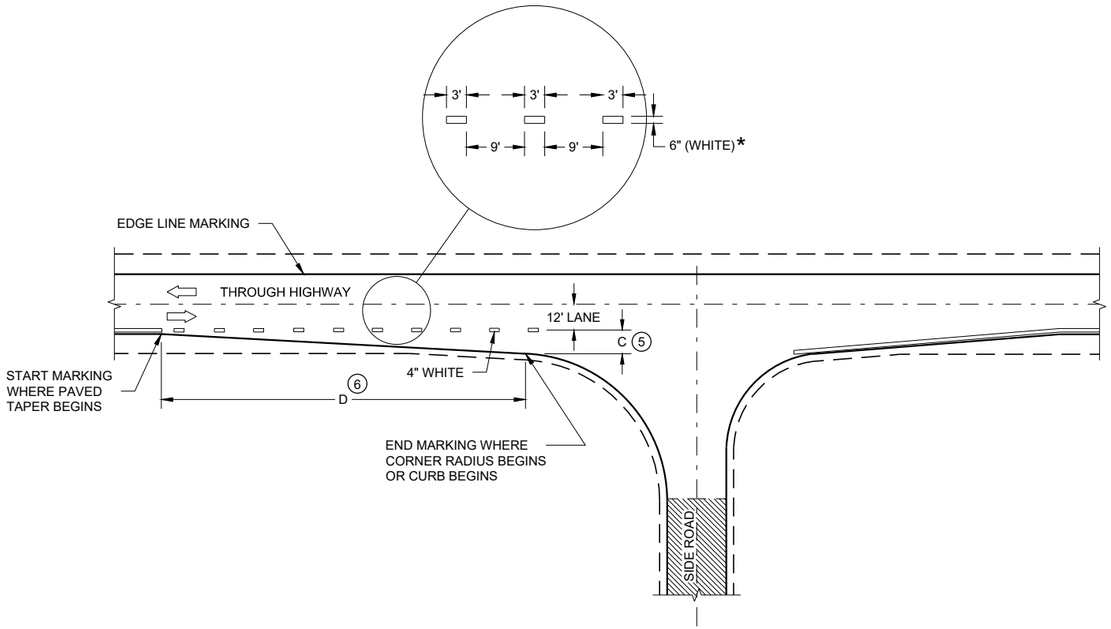
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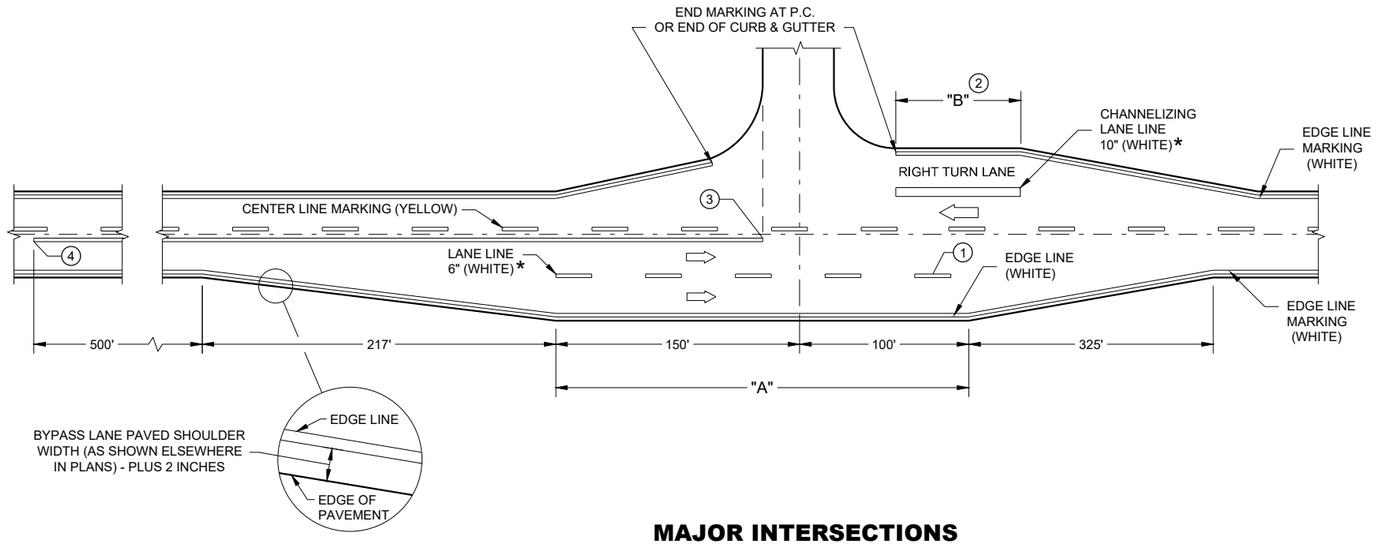
SDD 15C19-08b

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SDD 15C19-08b



MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

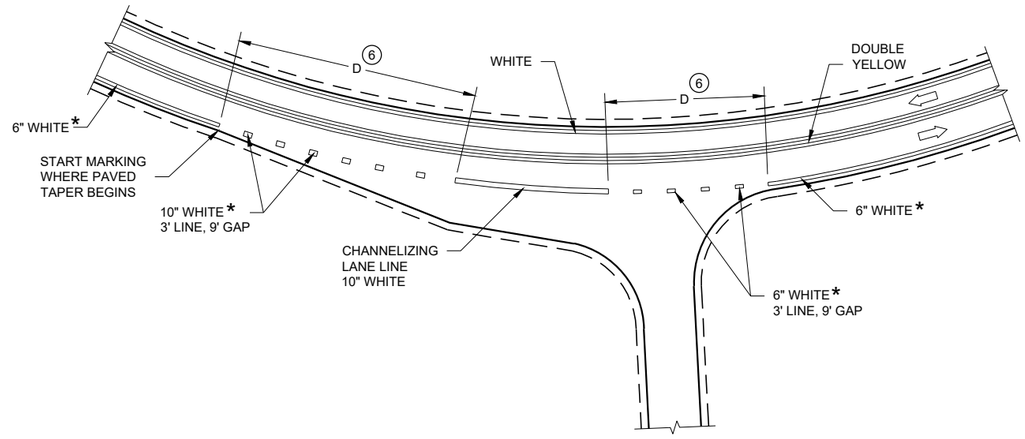
GENERAL NOTES

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

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SDD 15C35-06a

LEGEND

SIGN ON PERMANENT SUPPORT

DELINEATOR, FLEXIBLE/TUBULAR MARKER

DIRECTION OF TRAFFIC

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS.

A SINGLE ROW OF FLEXIBLE TUBULAR MARKERS ON CENTERLINE EXTEND FOR THE ENTIRE LENGTH OF TWO-WAY TRAFFIC AT 50 FOOT SPACING.

COVER EXISTING CENTERLINE STRIPE WITH TEMPORARY PAVEMENT MARKING LINE, 6 INCH DOUBLE YELLOW.



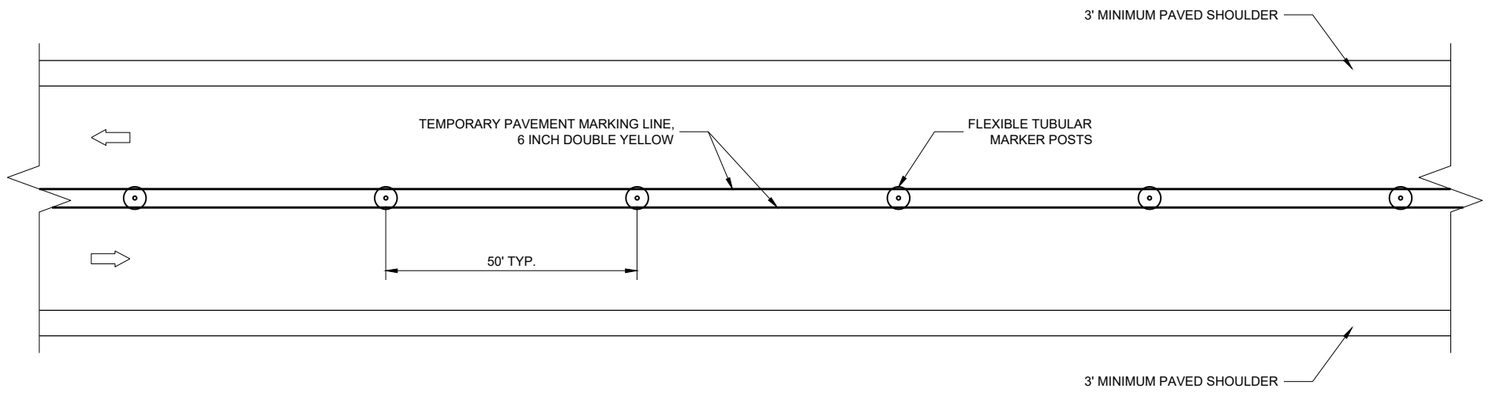
(1)



(2)

(1) THE WO6-3 AND WO57-51 SHALL BE LOCATED 200 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP AND / OR 500 FEET BEYOND ANY SIDE ROAD. THE R4-1 SHALL BE LOCATED 1000 FEET BEYOND THE WO6-3 AND THE WO57-51 AND THE SIGNS SHALL BE ALTERNATED WITH ONE MILE INTERVALS BETWEEN THE SIGNS.

(2) CONVENTIONAL: 24" X 30"
FREEWAY AND EXPRESSWAY: 36" X 48"



TWO LANE, TWO WAY OPERATION

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SDD 15D06-06

TRAFFIC CONTROL
TWO LANE TWO WAY OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 373

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SDD 15D06-06

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

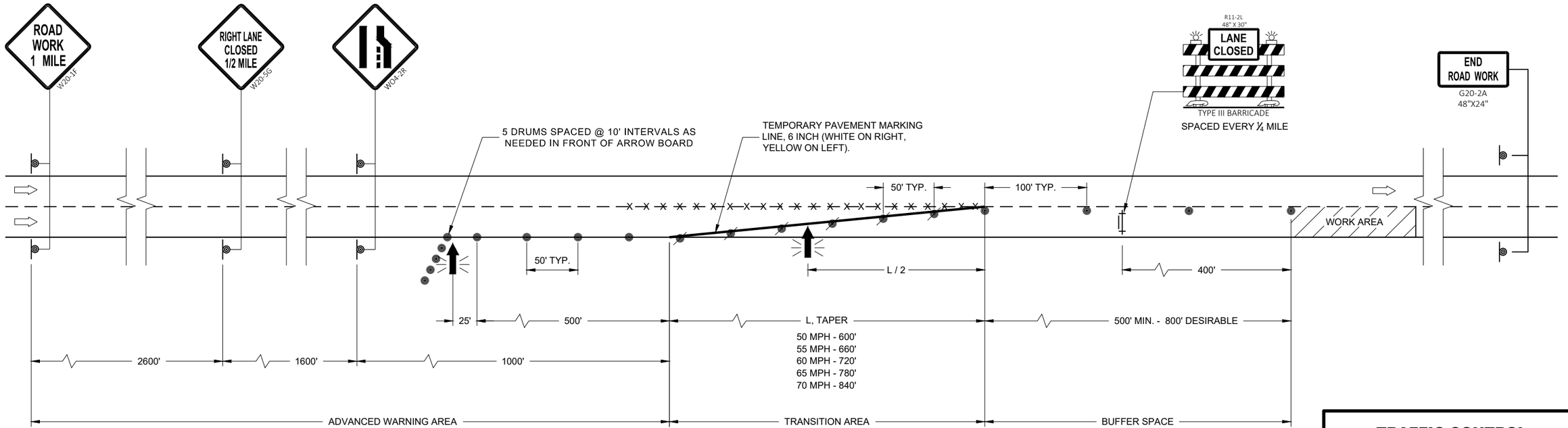
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
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DATE

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WORK ZONE ENGINEER

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SDD 15D12 - 11a

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LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

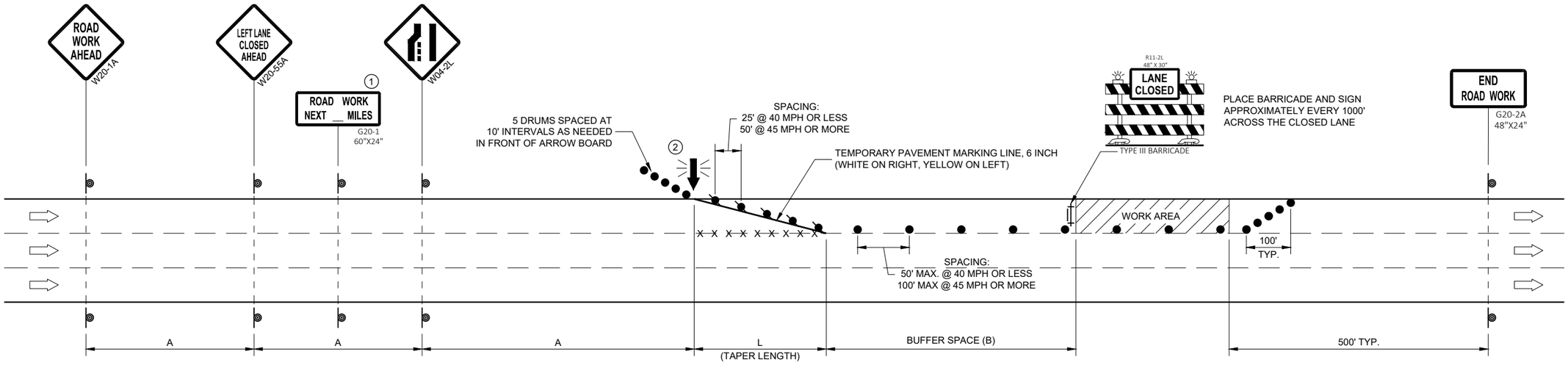
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'

TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15D20-07a

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SDD 15D20-07a

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

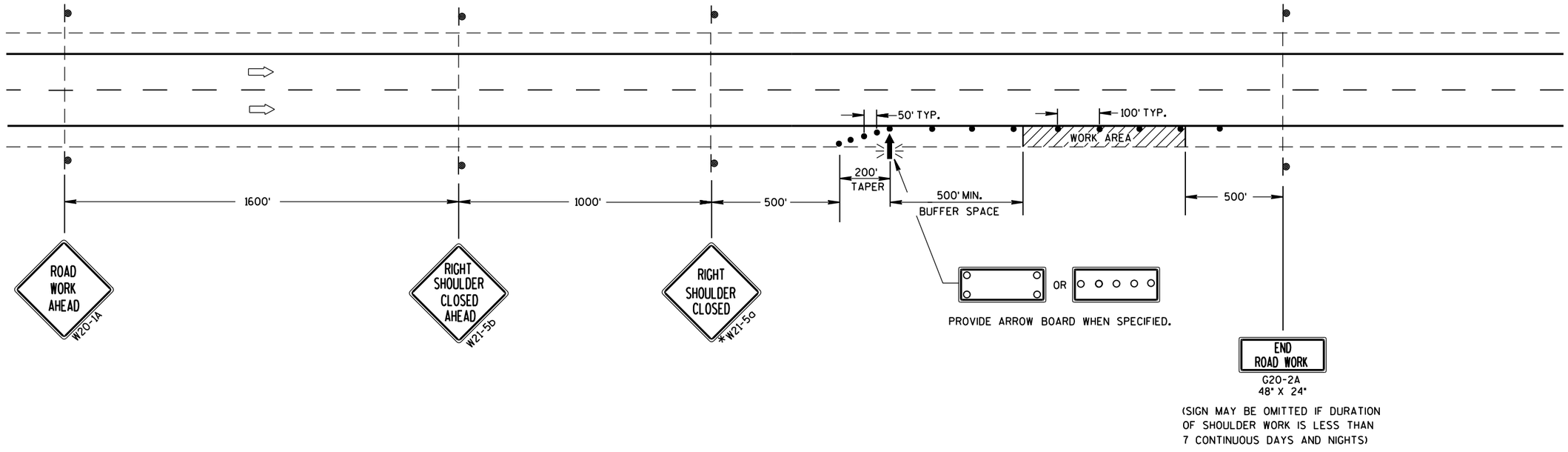
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

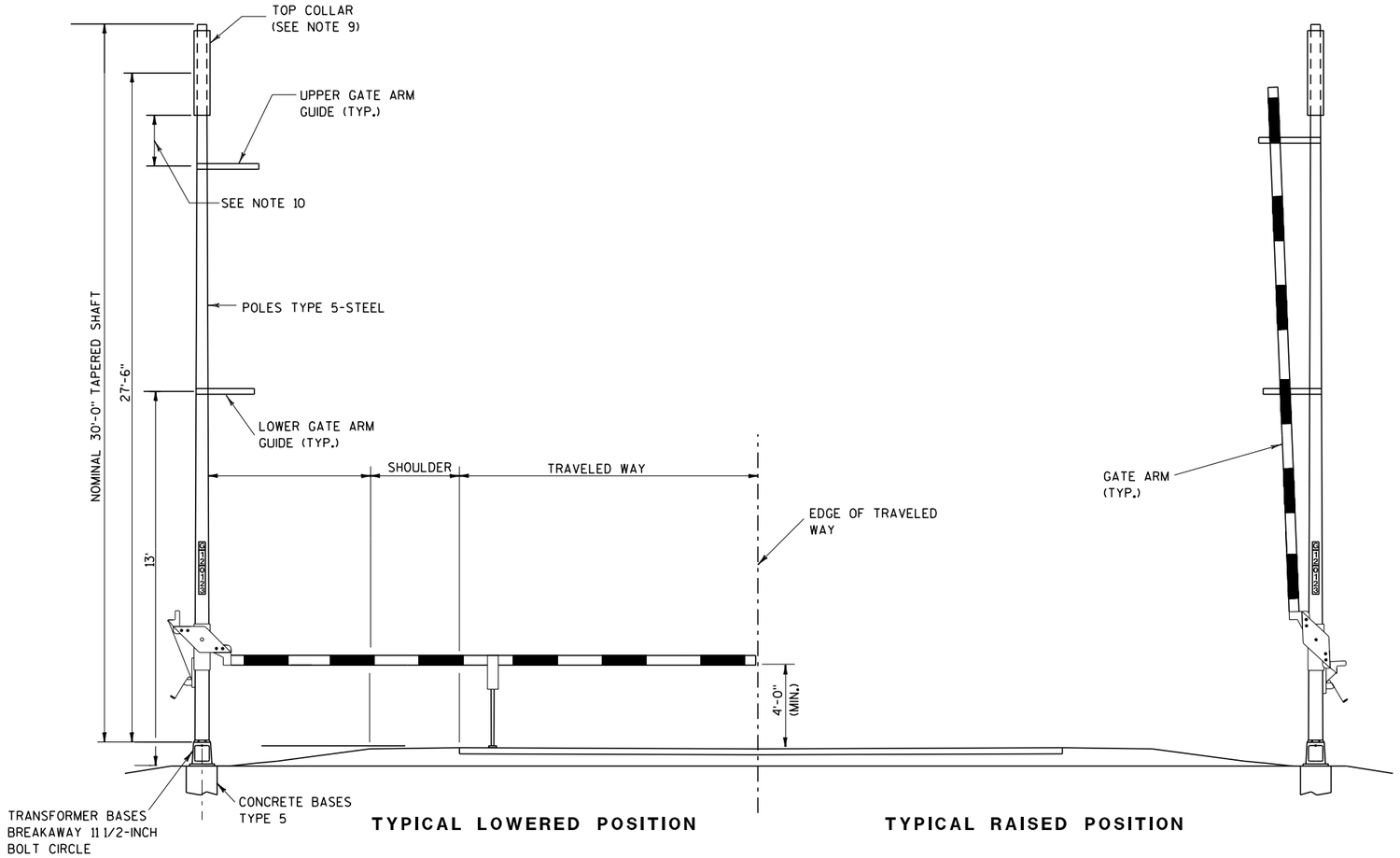
June 2016 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible]

FHWA

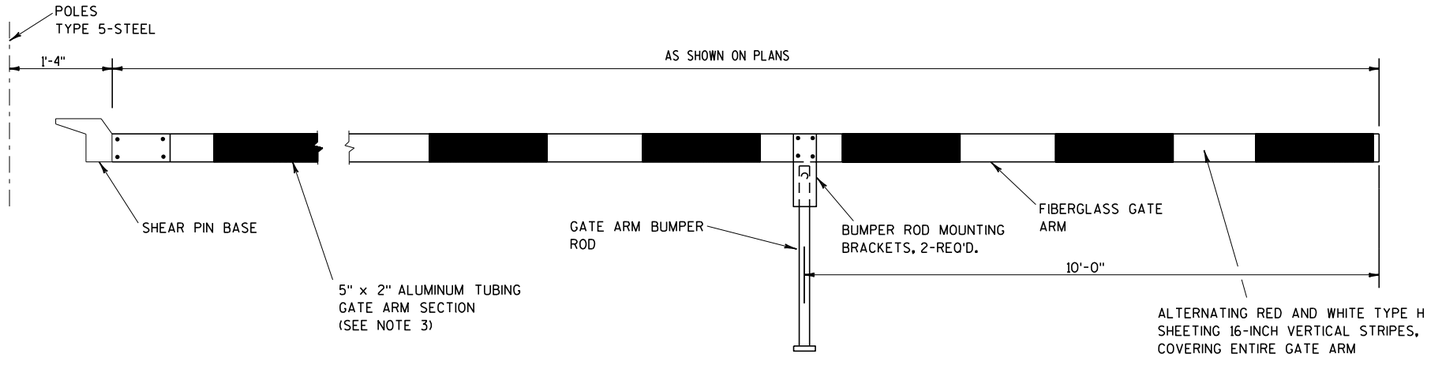
6

S.D.D. 15 D 27-3



TYPICAL LOWERED POSITION

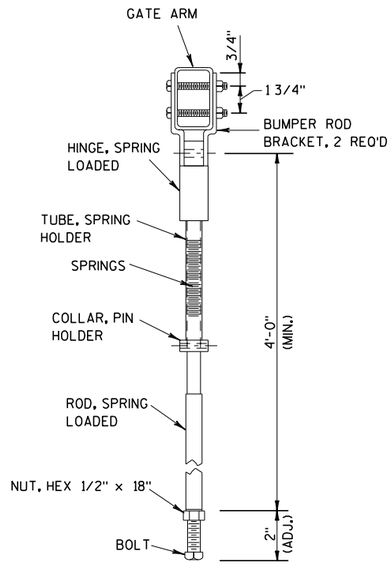
TYPICAL RAISED POSITION



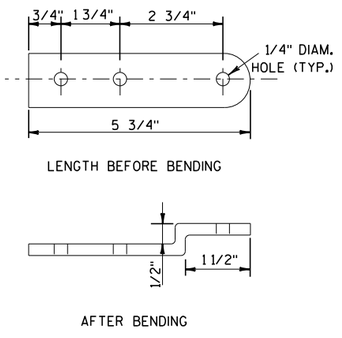
GATE DETAIL

GENERAL NOTES

1. THE LOCATION OF RAMP CLOSURE GATES AND MOUNTING HEIGHT OF GATE ARM PIVOT SHALL BE VERIFIED BY THE ENGINEER.
2. HEIGHT OF GATE ARM GUIDES MAY BE VARIED AS REQUIRED FOR WARNING LIGHT CLEARANCE.
3. FIBERGLASS/ALUMINUM GATE ARM AND SHEAR PIN BASE SHALL BE SUPPLIED BY THE SAME VENDOR.
4. GATE ARM TO BE MOUNTED ON PROPOSED POLE AS INDICATED ON THE PLANS. PROPOSED POLE SHALL BE TYPE 5 POLE.
5. LOCATION OF THE CONCRETE BASE AND LENGTH OF THE GATE ARM WILL BE VERIFIED BY THE ENGINEER TO ENSURE ADEQUATE COVERAGE OF THE TRAVELED LANE.
6. GATE PIVOTS, SUPPORTS AND GUIDES, AND ALL ASSOCIATED HARDWARE SHALL BE GALVANIZED. ALL ROUGH EDGES AND BURRS SHALL BE GROUND SMOOTH PRIOR TO GALVANIZING.
7. ALL EXPOSED BOLT THREADS SHALL BE PAINTED WITH TWO COATS OF ZINC RICH PAINT CONFORMING WITH THE REQUIREMENTS OF ASTM A 780.
8. ANY FIELD DAMAGE TO THE GALVANIZING SHALL BE REPAIRED WITH TWO COATS OF ZINC RICH PAINT CONFORMING WITH THE REQUIREMENTS OF ASTM A 780.
9. A STANDARD LIGHTING LUMINAIRE ARM MAY BE MOUNTED TO THE TYPE 5 POLE IN LIEU OF THE TOP COLLAR.
10. UPPER GATE ARM GUIDE IS TO BE INSTALLED 6 TO 12-INCHES BELOW THE BOTTOM OF THE TOP COLLAR.



GATE ARM BUMPER ROD DETAIL

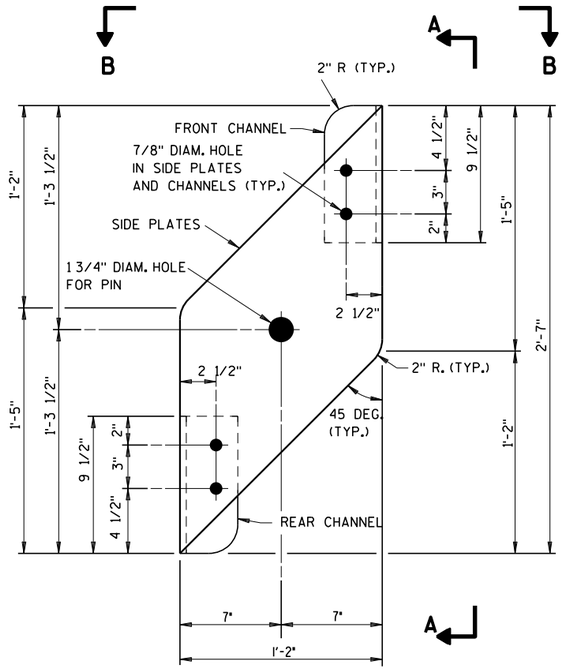


BUMPER ROD MOUNTING
BRACKET DETAIL

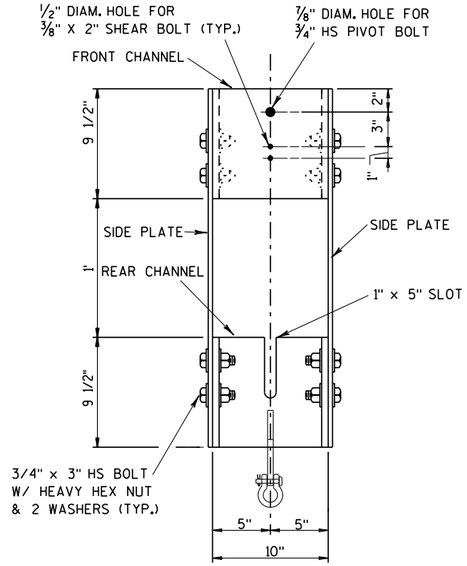
RAMP GATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

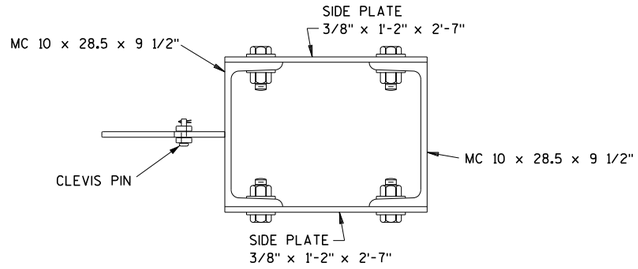
6
S.D.D. 15 D 35-3a



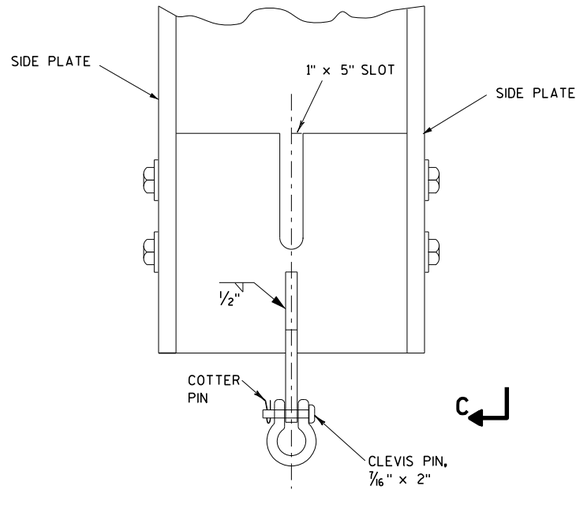
SIDE PLATE DETAIL



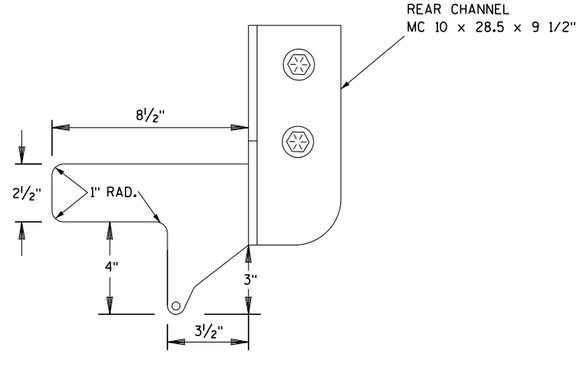
SECTION A-A



SECTION B-B



YOKE ASSEMBLY DETAIL



SECTION C-C

RAMP GATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
S.D.D. 15 D 35-3b

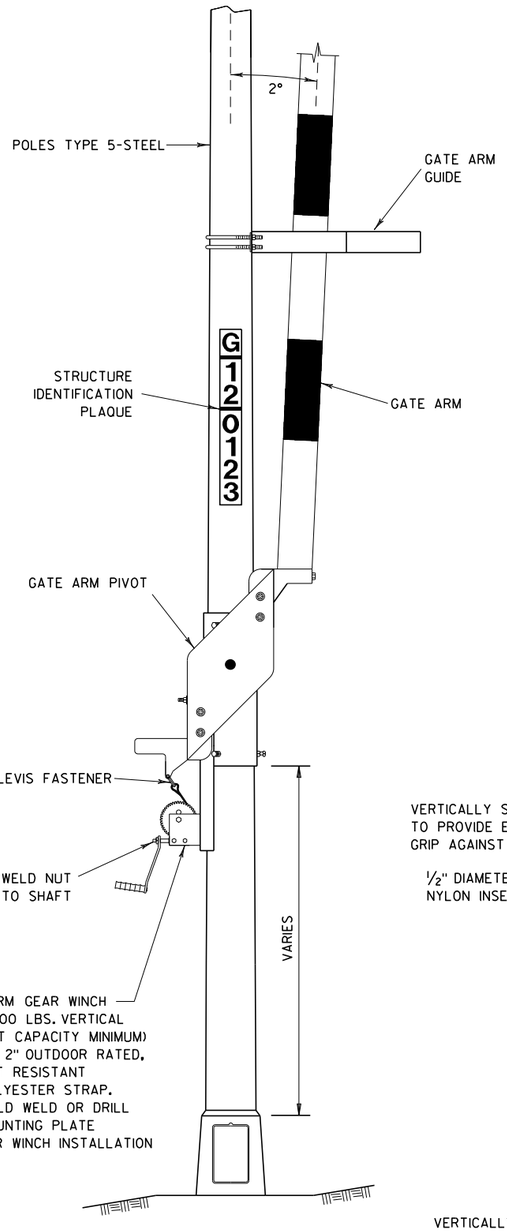
GENERAL NOTES

1. WHEN THE GATE IS FULLY RAISED, THE NUT AND WASHER SHALL BE PLACED SNUGLY AGAINST THE OUTSIDE OF THE REAR CHANNEL.

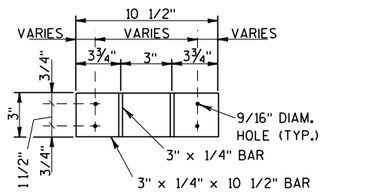
2. WHEN THE GATE IS FULLY LOWERED, THE NUT AND WASHER SHALL BE PLACED SNUGLY AGAINST THE INSIDE OF THE REAR CHANNEL.

3. ANTI-SEIZE LUBRICATING MATERIAL SHALL BE USED ON ALL BOLT THREADS BEFORE INSTALLATION.

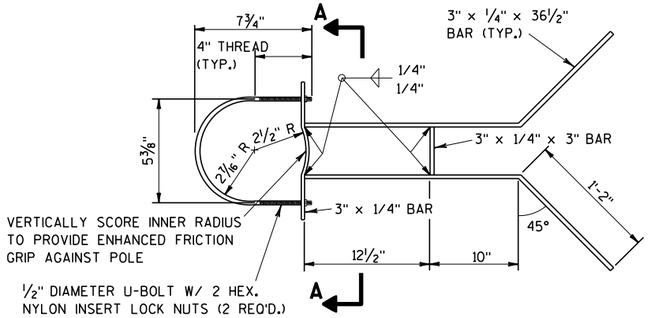
4. ALL BOLTS SHALL BE GALVANIZED AND CONFORM TO ASTM A307, GRADE A, UNLESS DESIGNATED AS HS (HIGH STRENGTH), WHICH SHALL CONFORM TO ASTM A325. BOLTS OF ½" NOMINAL DIAMTER OR LESS MAY BE STAINLESS STEEL.



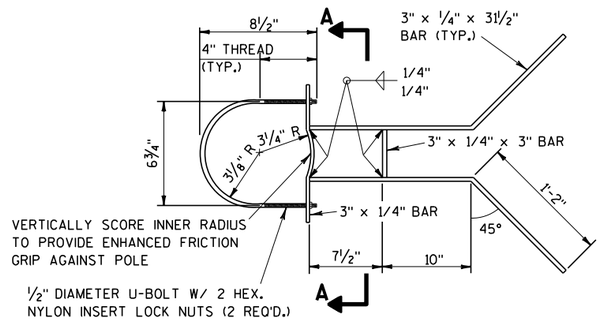
GATE PIVOT ASSEMBLY



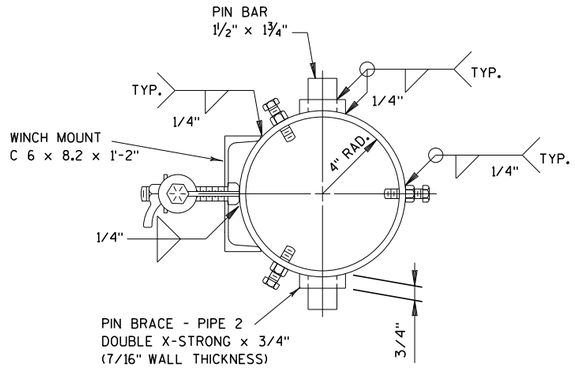
SECTION A-A
U-BOLTS NOT SHOWN



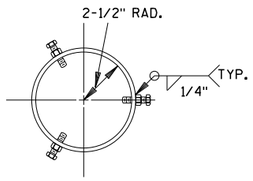
UPPER GATE ARM GUIDE DETAIL



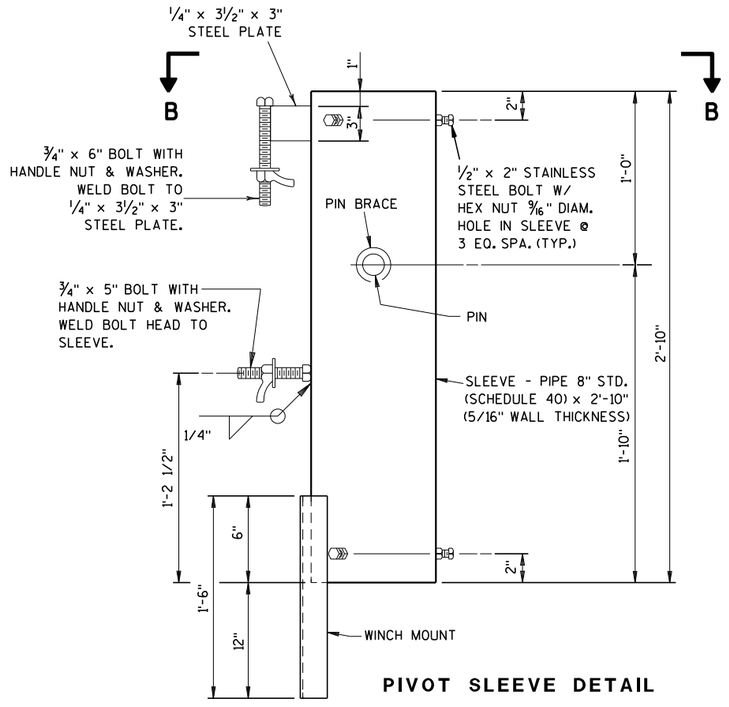
LOWER GATE ARM GUIDE DETAIL



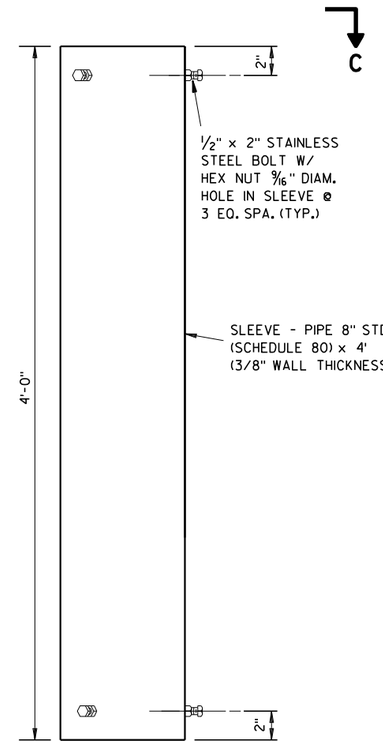
SECTION B-B



SECTION C-C



PIVOT SLEEVE DETAIL



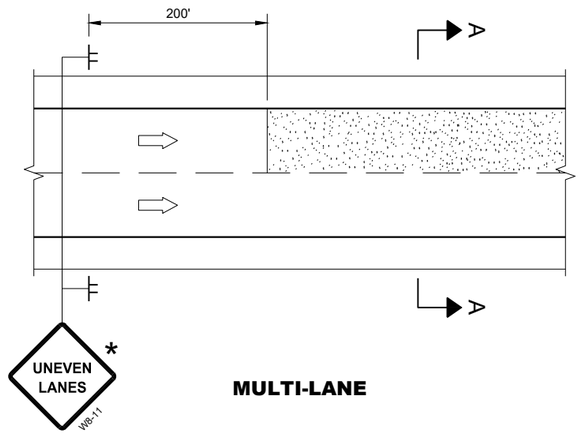
TOP COLLAR

RAMP GATE

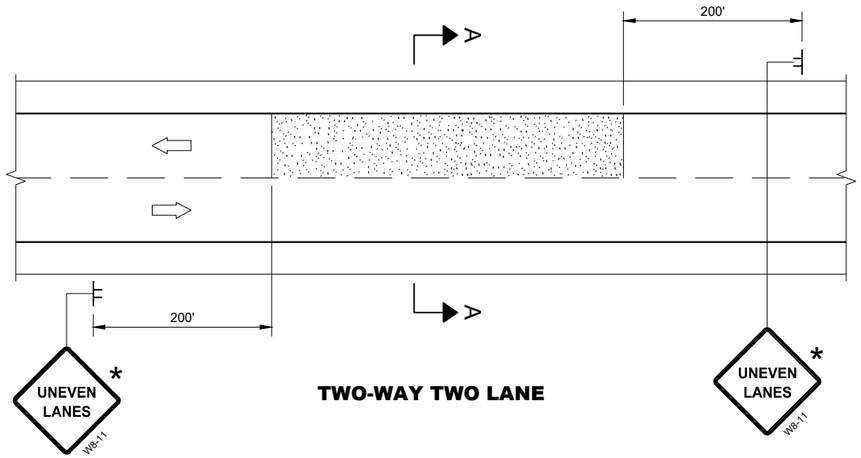
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGINEER 379
FHWA

6
S.D.D. 15 D 35-3c



MULTI-LANE



TWO-WAY TWO LANE

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

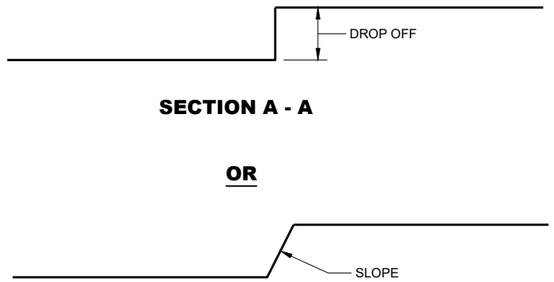
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

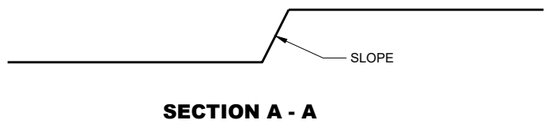
LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE

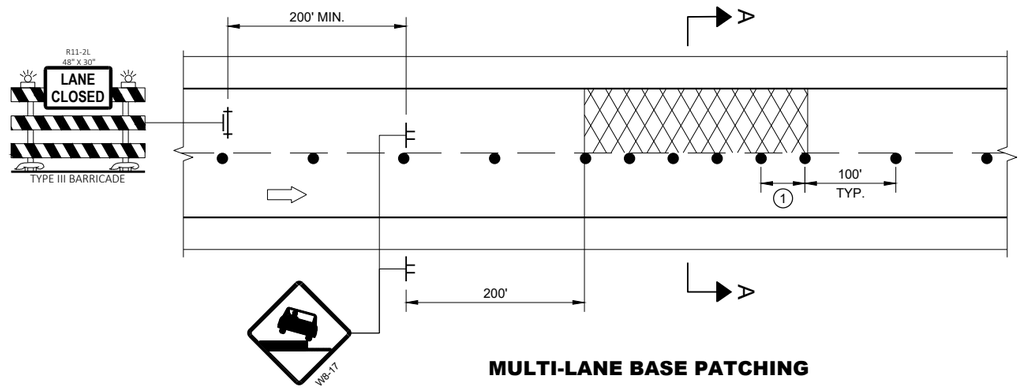


SECTION A - A

OR

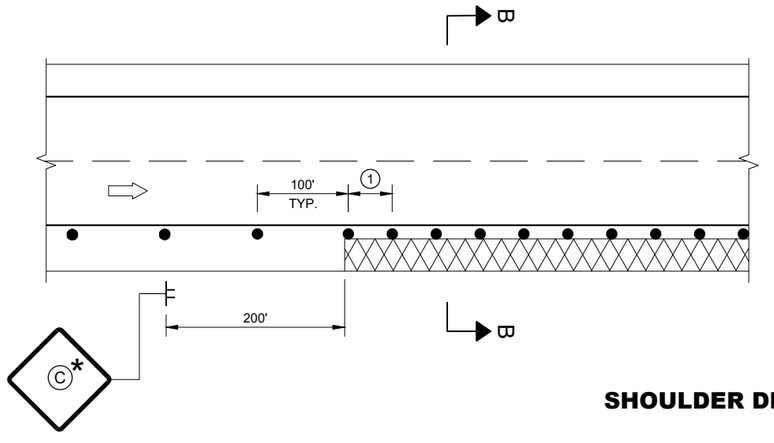


SECTION A - A

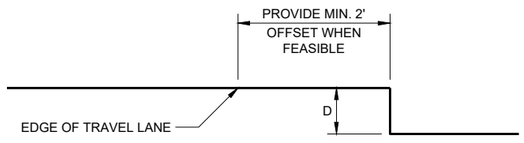


MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS



SHOULDER DROP-OFFS



SECTION B - B

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP - OFF W8-9A PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D39 - 02

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT LEFT - REVERSE FOR SHIFTING RIGHT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

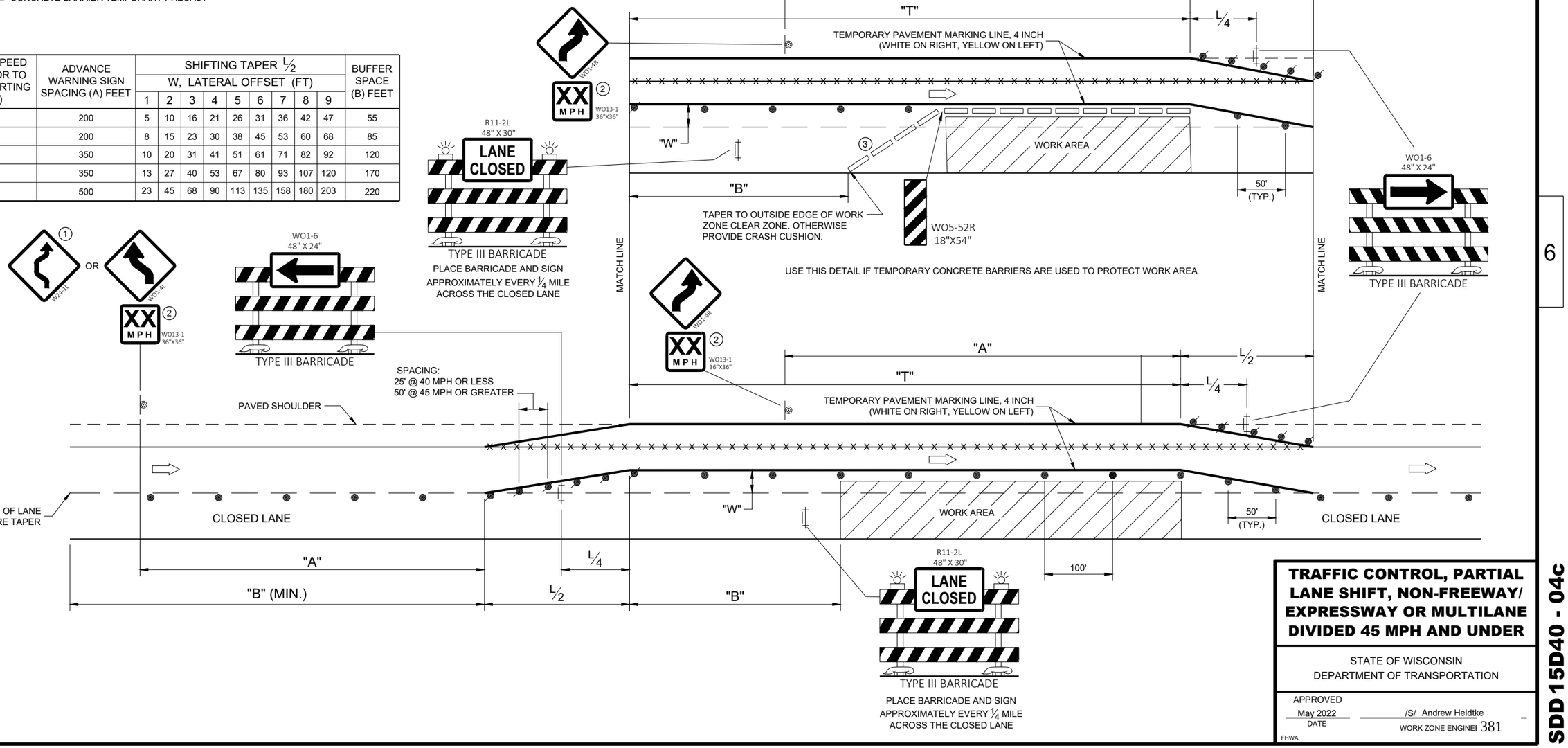
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

(1) USE ONLY WHEN T<600', OMIT WO1-4R.

(2) IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

(3) BARRIER FLARE RATE: 6:1 @ 40 MPH OR LESS
8:1 @ 45 MPH OR GREATER

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)									BUFFER SPACE (B) FEET
		1	2	3	4	5	6	7	8	9	
25	200	5	10	16	21	26	31	36	42	47	55
30	200	8	15	23	30	38	45	53	60	68	85
35	350	10	20	31	41	51	61	71	82	92	120
40	350	13	27	40	53	67	80	93	107	120	170
45	500	23	45	68	90	113	135	158	180	203	220



TRAFFIC CONTROL, PARTIAL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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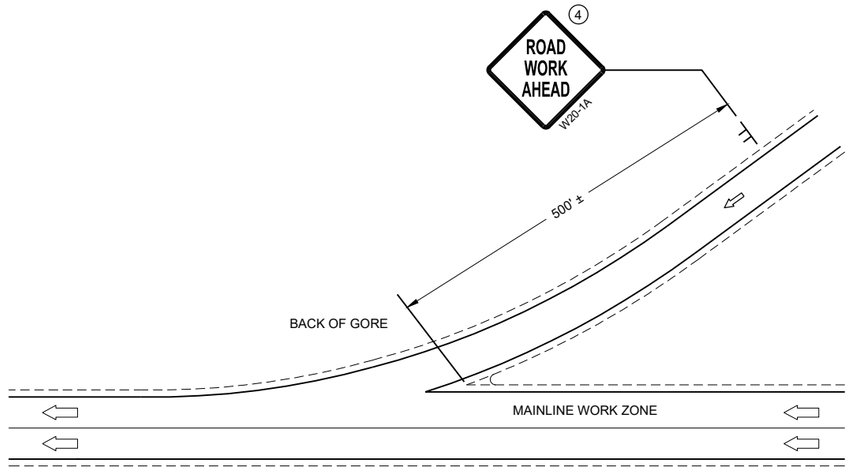
SDD 15D40 - 04c

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SDD 15D40 - 04c

LEGEND

- V1 SHADOW VEHICLE 1
- V2 SHADOW VEHICLE 2
- V3 ADVANCE WARNING TRUCK
- ● TRAFFIC CONTROL DRUM
- TRUCK MOUNTED ATTENUATOR (TMA)
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW PANEL (MERGE)
- FLASHING ARROW PANEL (CAUTION)
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- WORK AREA



GENERAL NOTES

SHORT DURATION IS WORK THAT OCCUPIES A LOCATION UP TO 1 HOUR.

MOBILE IS WORK THAT MOVES INTERMITTENTLY OR CONTINUOUSLY.

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

WHEN WORK ACTIVITY BLOCKS THE RIGHT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE DOUBLE ARROWS WHEN CONVOY IS IN CENTER LANE ONLY.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC

(1) DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

(2) DRUMS ARE TO BE USED FOR BRIDGE DECK SEALING AND OTHER PROJECTS THAT REQUIRE DELINEATION.

(3) WITHIN 5 MILES, RELOCATE SIGNS AS WORK PROGRESSES AND NECESSARY OR AS DIRECTED BY THE ENGINEER.

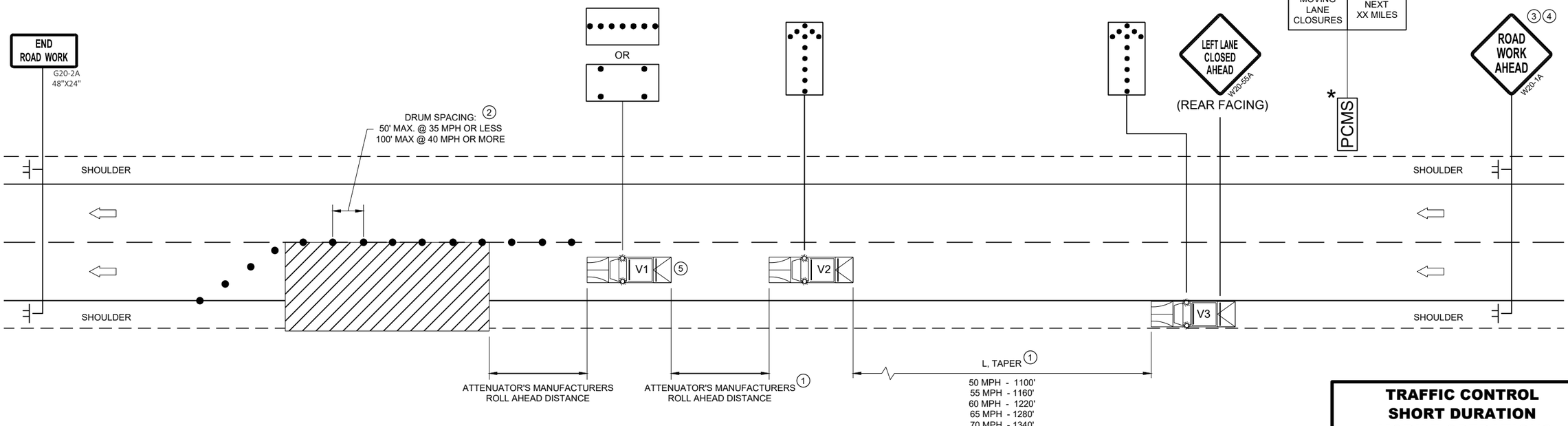
(4) SIGN NOT REQUIRED IF MOVING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

(5) SHADOW VEHICLE 1 (V1) IS OPTIONAL

* PCMS OPTIONAL

PCMS MESSAGING

FRAME 1	FRAME 2
MOVING LANE CLOSURES	NEXT XX MILES



TRAFFIC CONTROL SHORT DURATION MOBILE OPERATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D43 - 02

6

SDD 15D43 - 02

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

(1) PLACE SIGNS 350' IN ADVANCE OF CHIP SEALED OR LOOSE GRAVEL SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

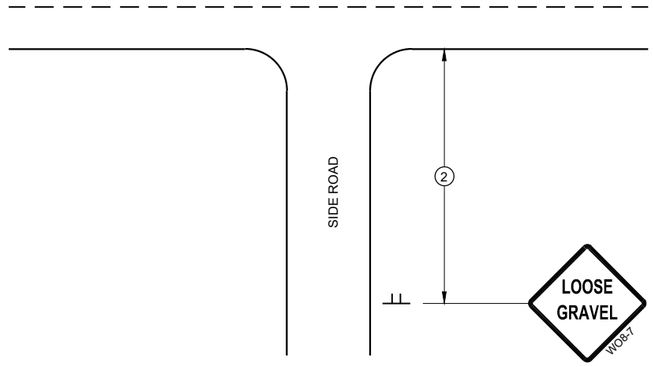
(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

(3) ADD WO8-1 OR WO8-2 SIGN WHEN THE CONDITION IS PRESENT.

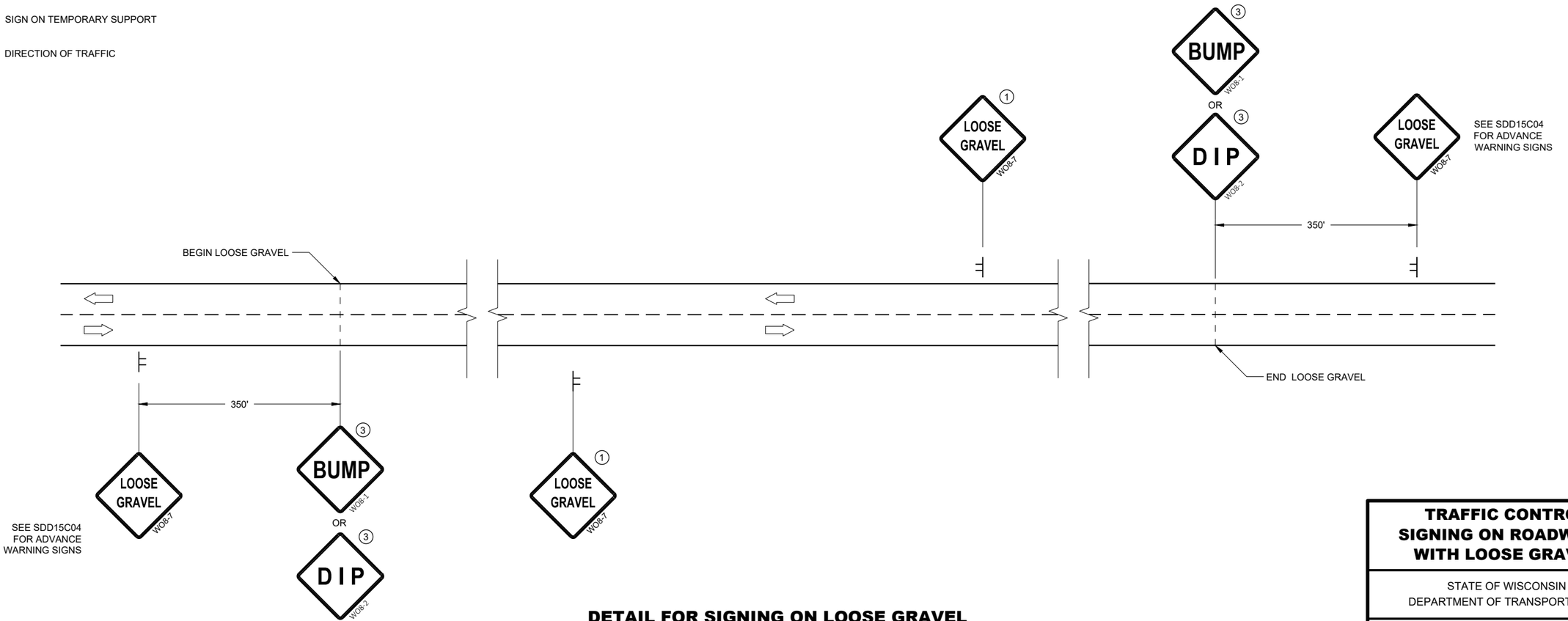
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON LOOSE GRAVEL OR CHIP SEALED SURFACES

TRAFFIC CONTROL SIGNING ON ROADWAYS WITH LOOSE GRAVEL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D45 - 03

6

SDD 15D45 - 03

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER (L/2) FEET
25	200	60
30	200	90
35	350	120
40	350	160
45	500	270
50	500	300
55	500	330

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

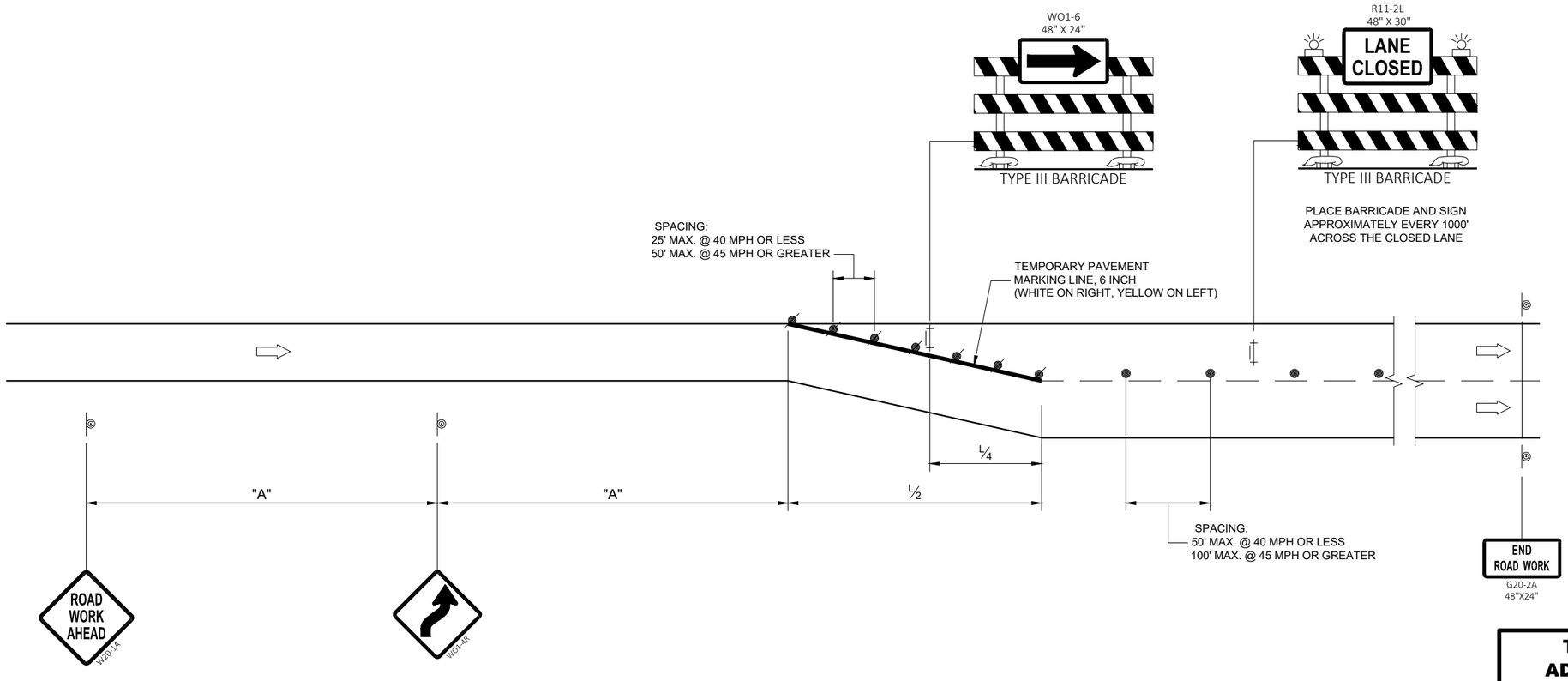
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.

PLACE TEMPORARY PAVEMENT MARKING AND PLACE TEMPORARY PAVEMENT LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.



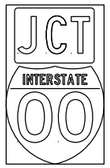
TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

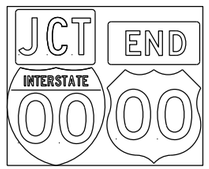
APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

6
SDD 15D50-03b

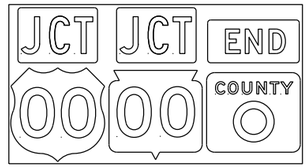
TYPICAL ASSEMBLIES



J1-1



J1-2



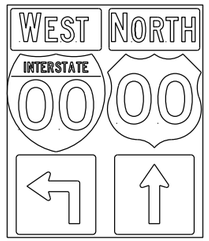
J1-3



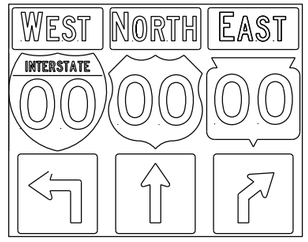
JR1-1



J2-1



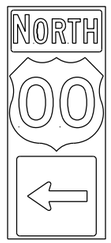
J2-2



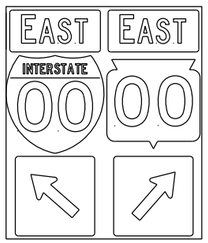
J2-3



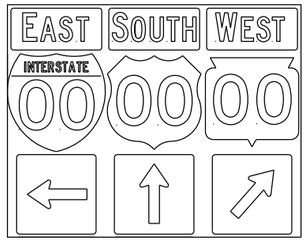
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



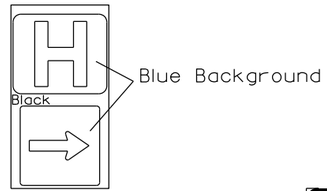
J3-1



J3-2



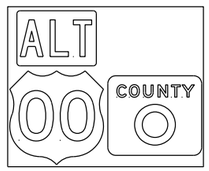
J3-3



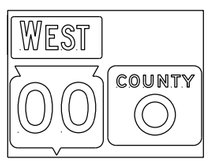
JH-1



J4-1



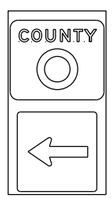
J4-2



J4-2



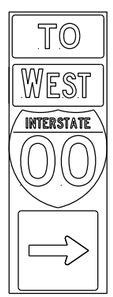
J12-1



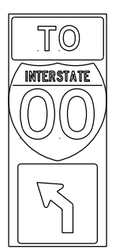
J13-1



J32-1



J33-1



J22-1



J23-1



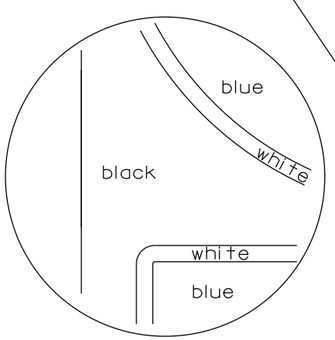
JR13-1

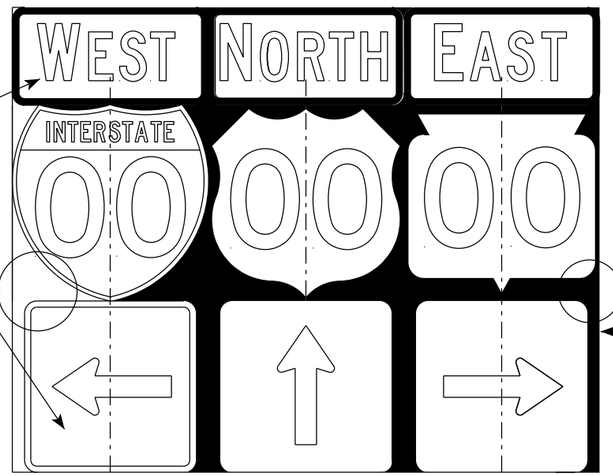


JR23-1



JR99-1





NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/21 PLATE NO. A2-1S.9

PROJECT NO:

SHEET NO: 385 E

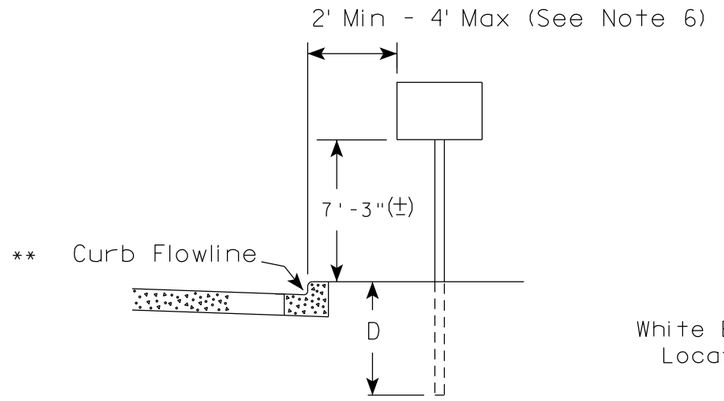
FILE NAME : C:\CAEfiles\Projects\tr_stdplate_A21S.dgn PLOT DATE : 18-MAR 2021 1:37 PLOT BY : mscj9h PLOT NAME :

WISDOT/CADDS SHEET 42

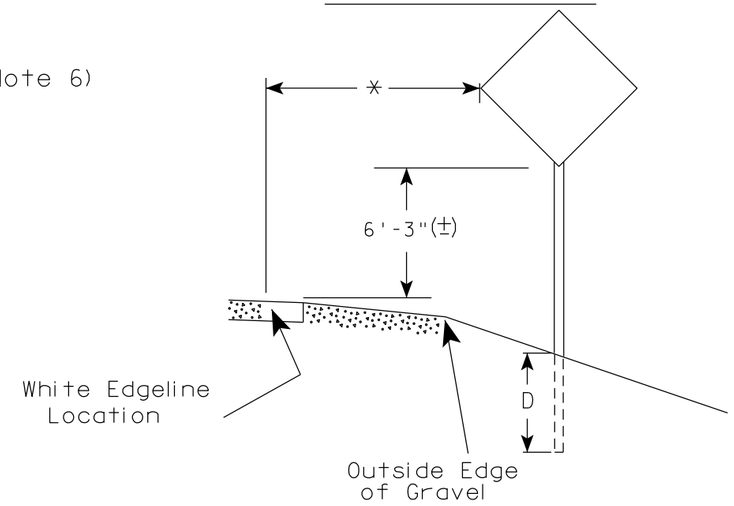
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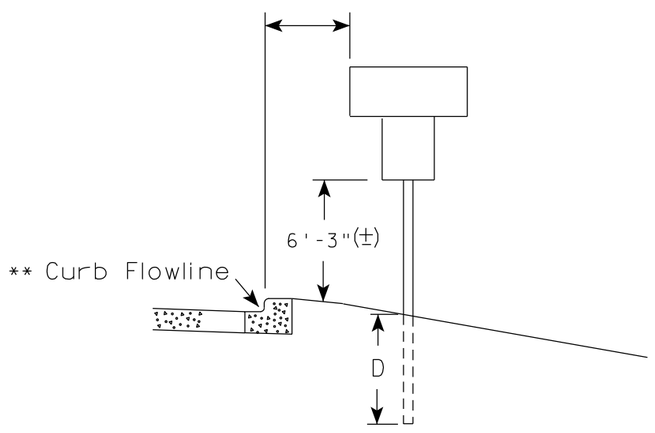
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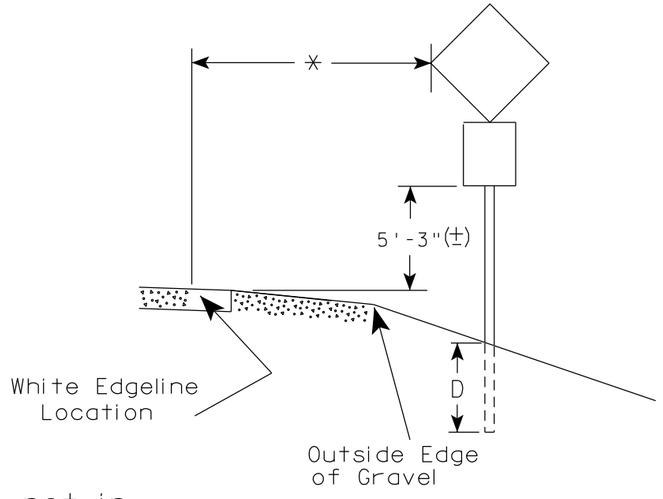
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.

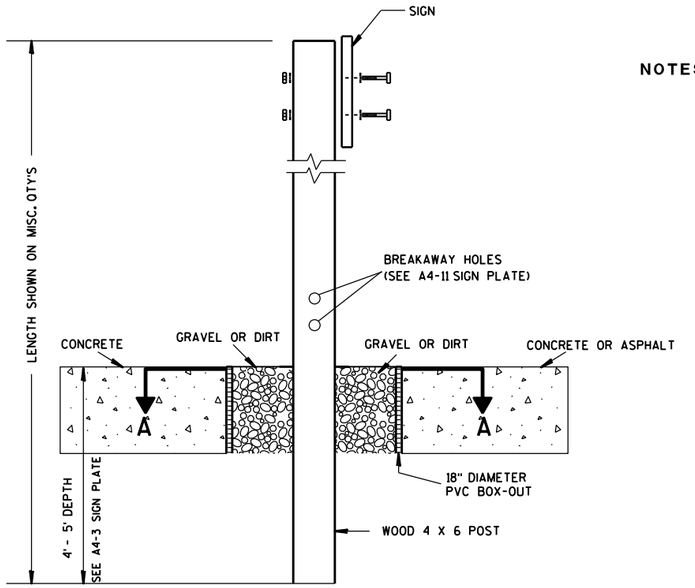
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

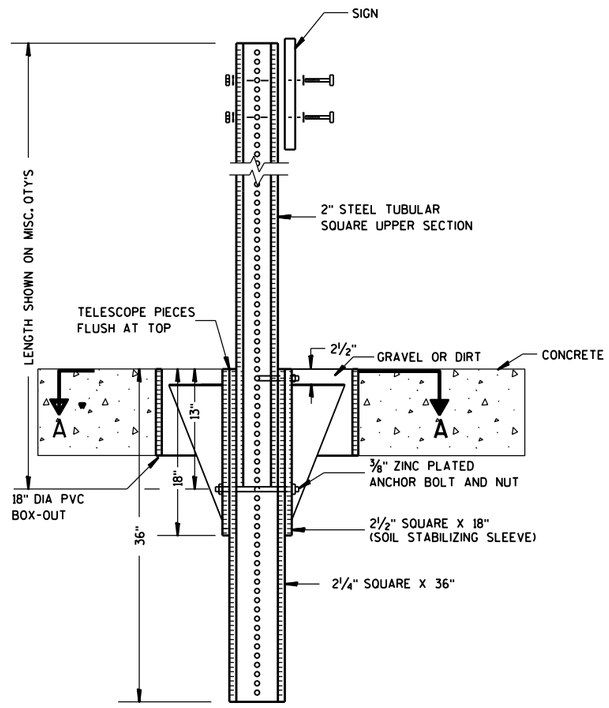
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 386	E



ELEVATION VIEW

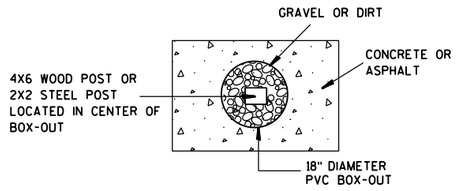
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

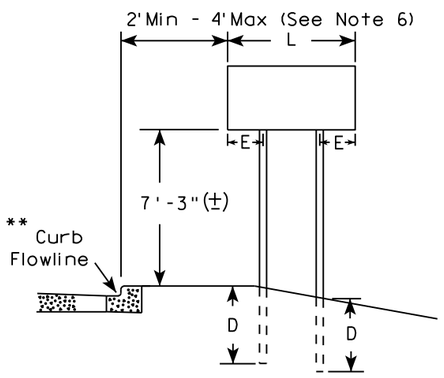
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

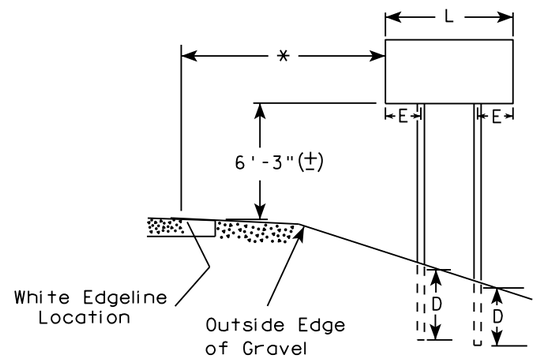
DATE 1/27/14 PLATE NO. A4-3B.1

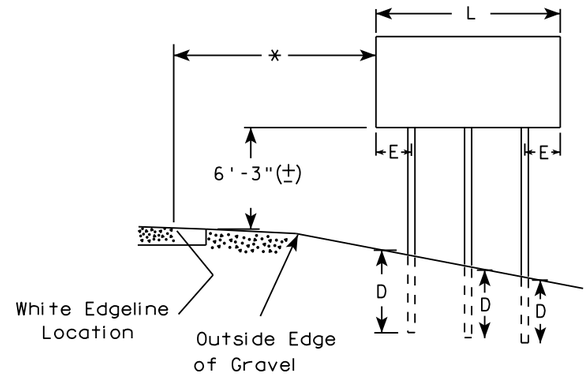
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

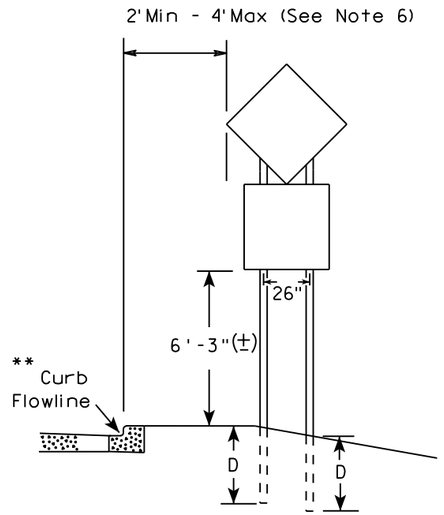
URBAN AREA



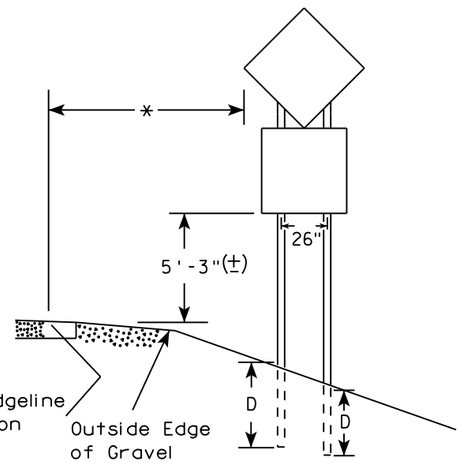
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
Greater than 48" Less than 60"	12"
60" to 108"	L/5

***

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

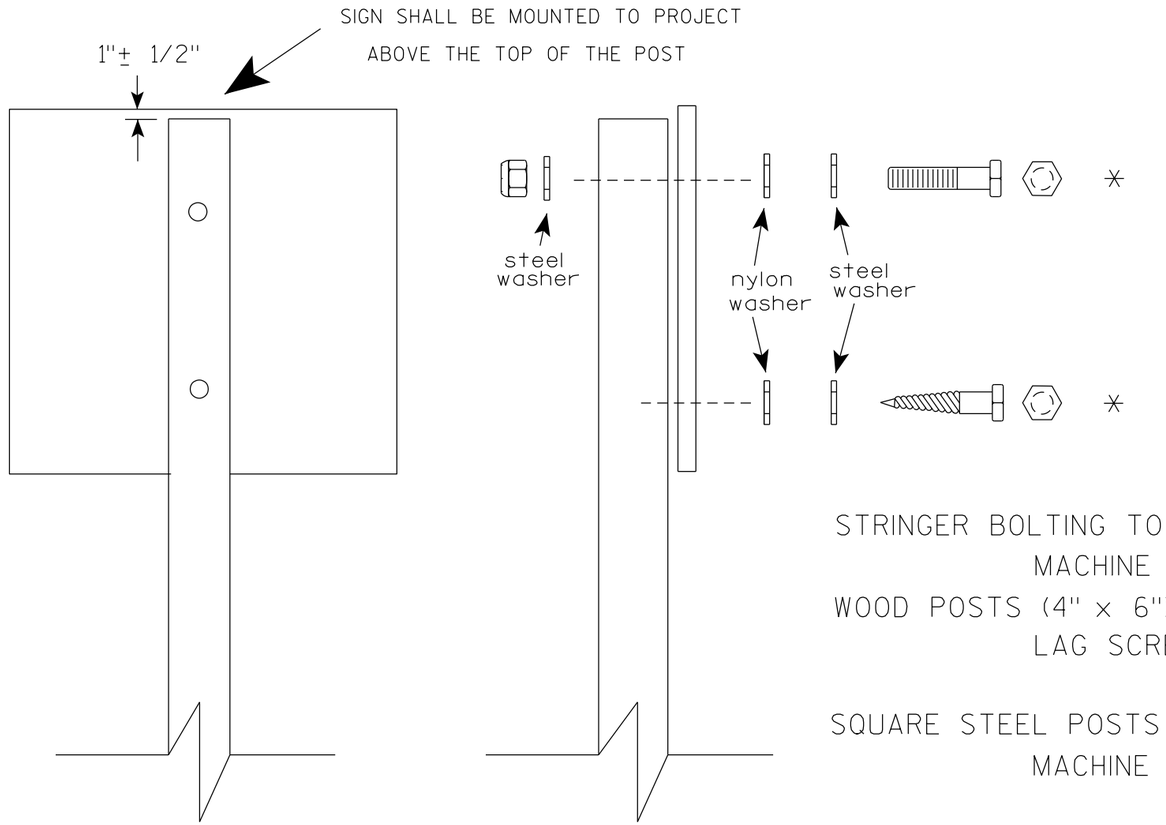
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

7

7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 388 | 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

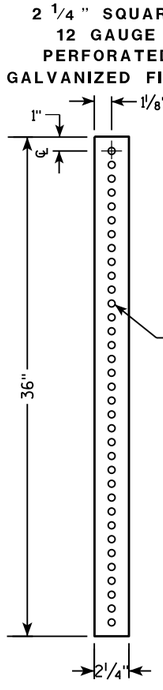
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

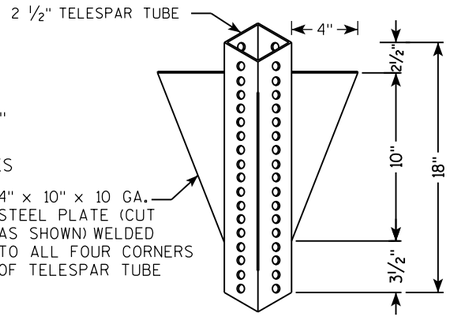
SHEET NO: 389 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

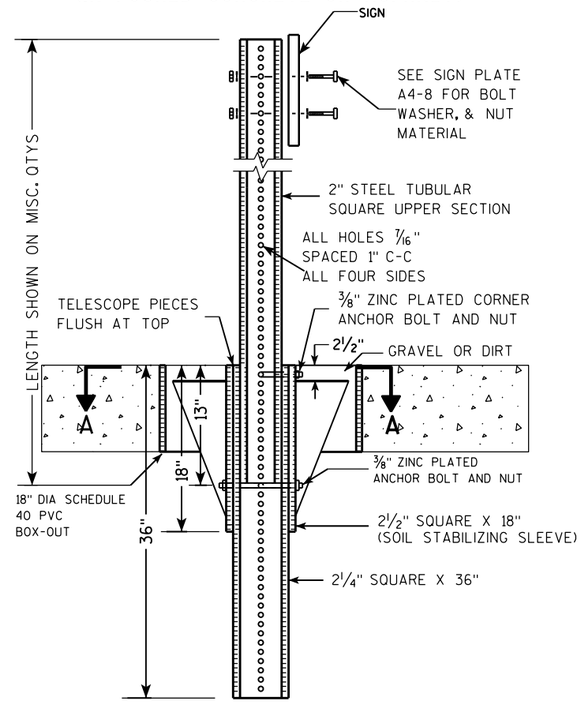
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



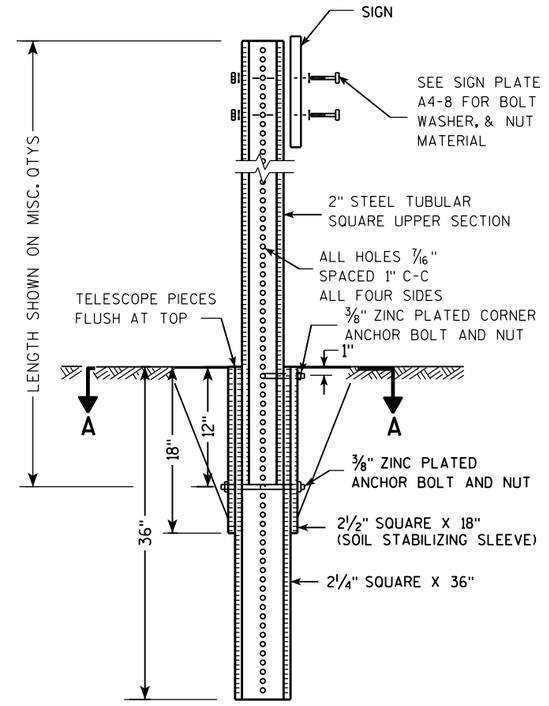
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

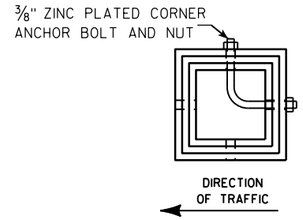


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

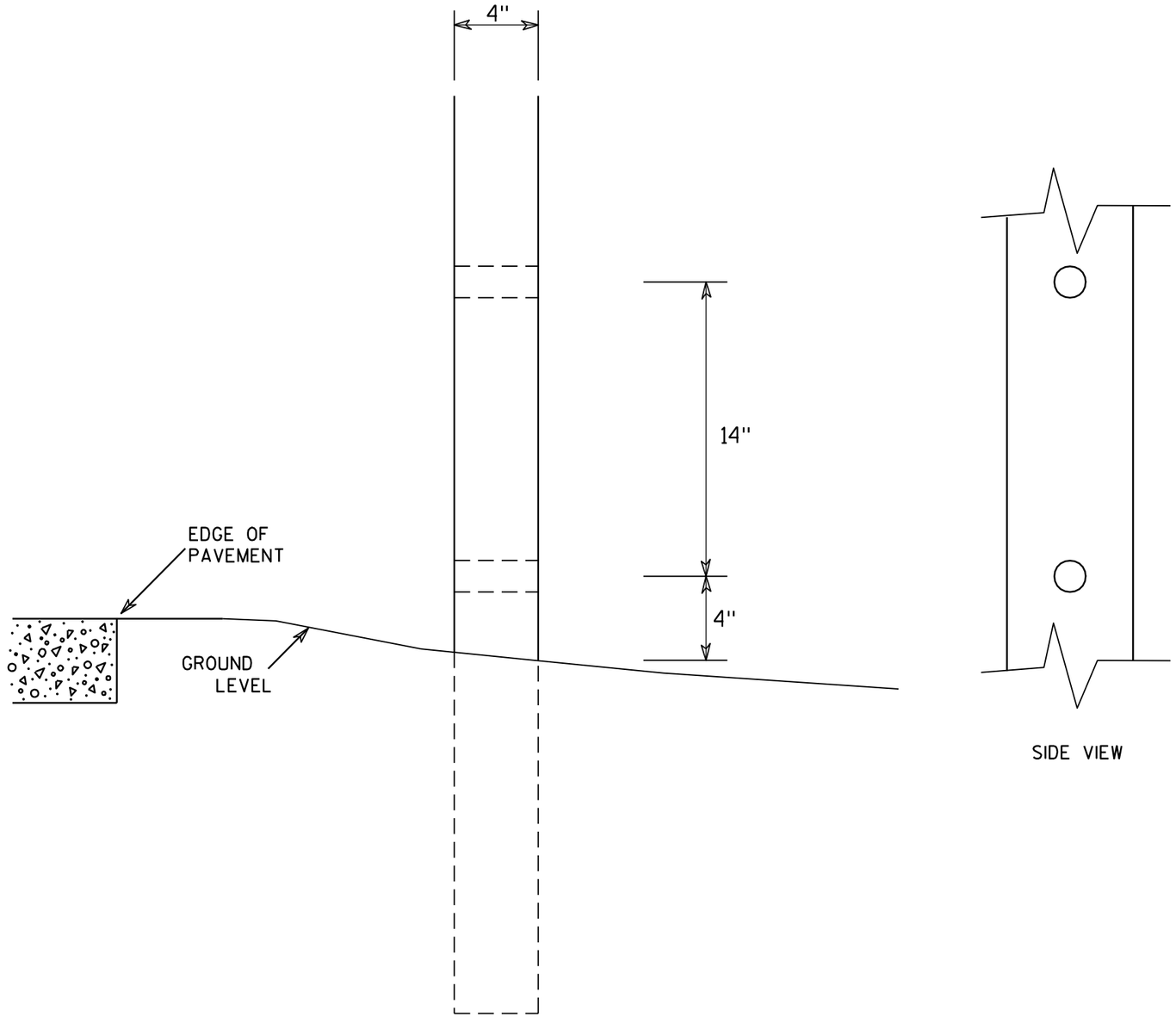
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 390 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

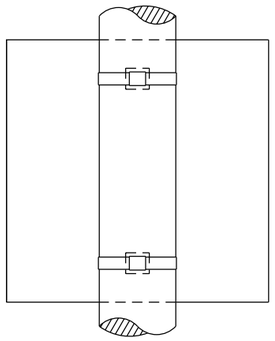
APPROVED Chester J Spang for State Traffic Engineer

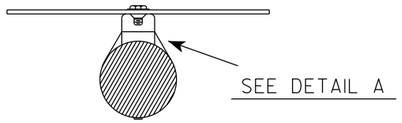
DATE 3/27/97 PLATE NO. A4-11.2

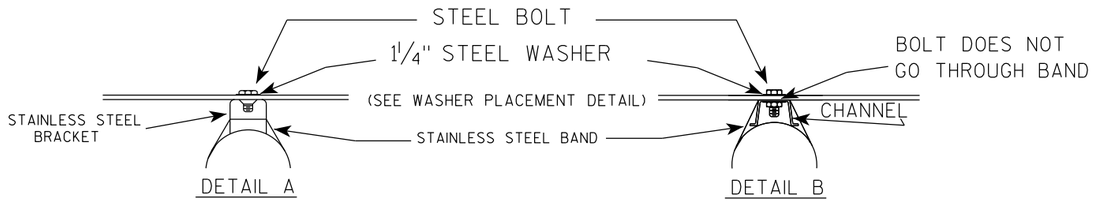
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 391	E

BANDING

SINGLE SIGN



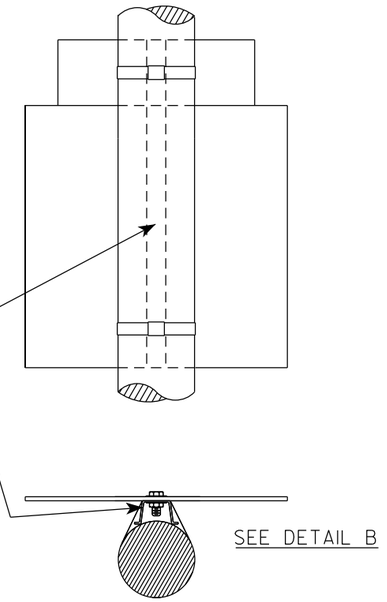




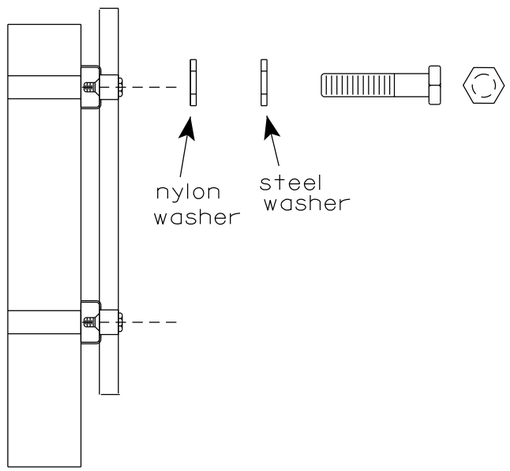
GENERAL NOTES

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

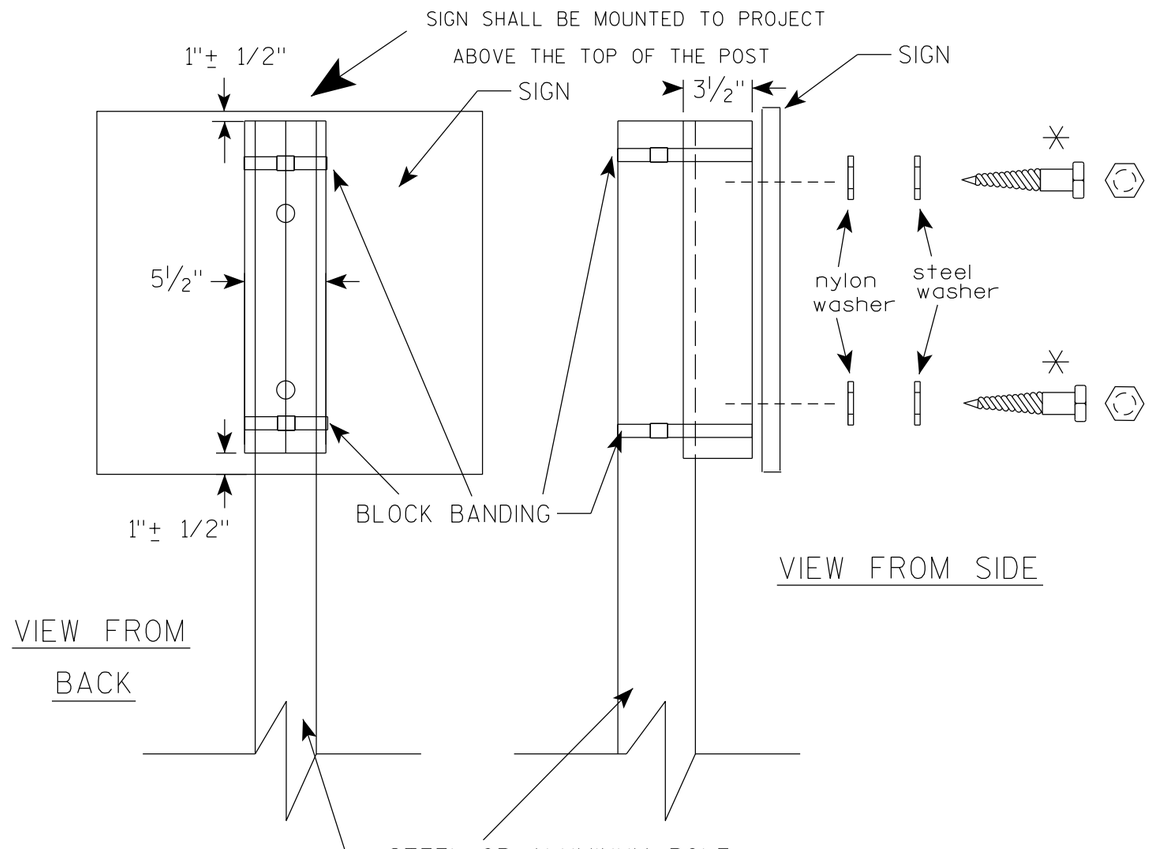
DATE 6/10/19 PLATE NO. A5-9.4

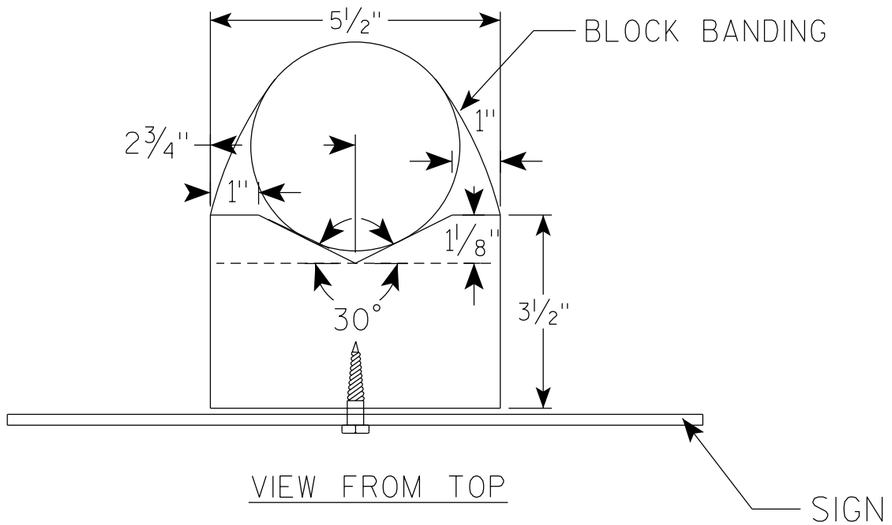
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 392	E

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)

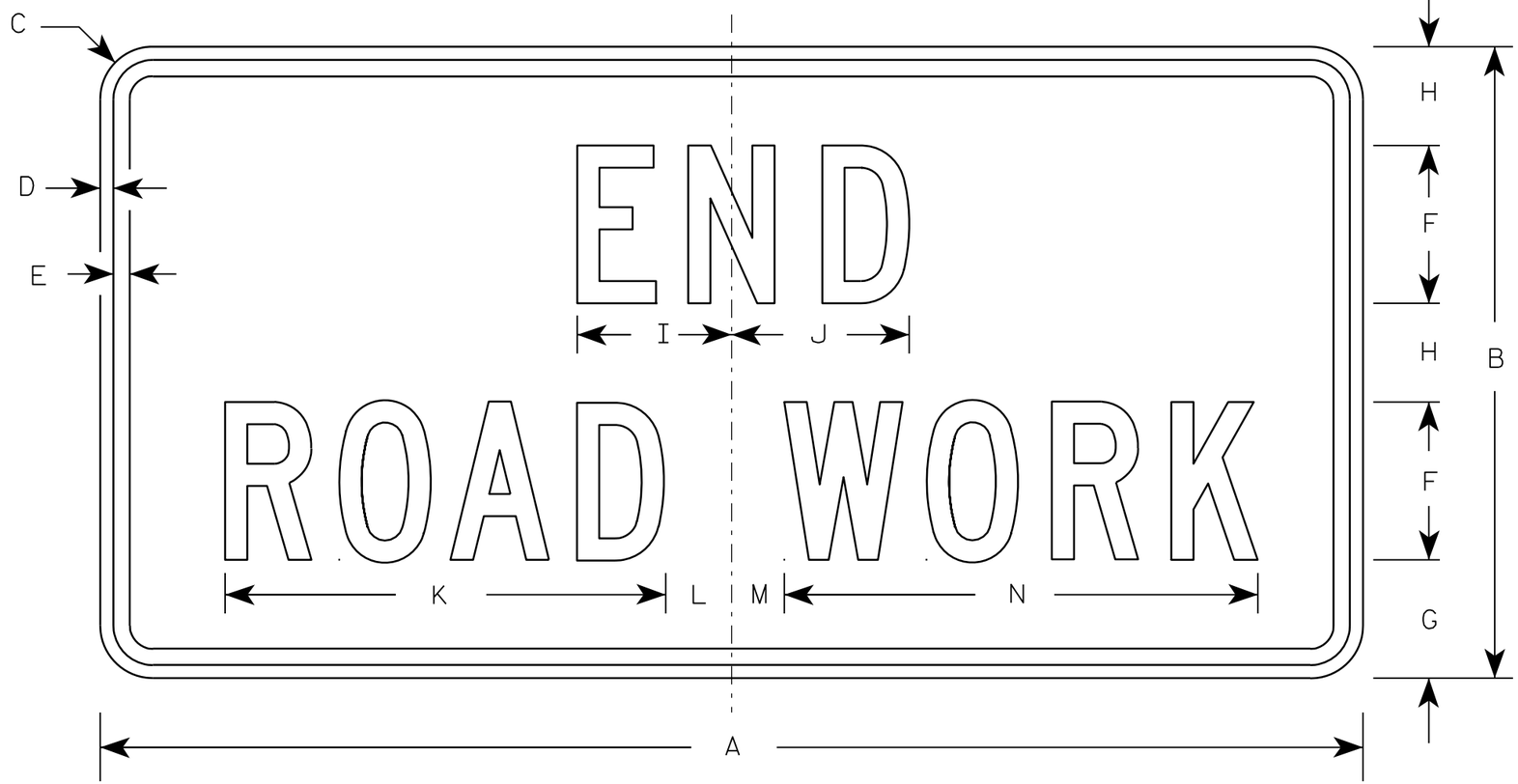
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 393 E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

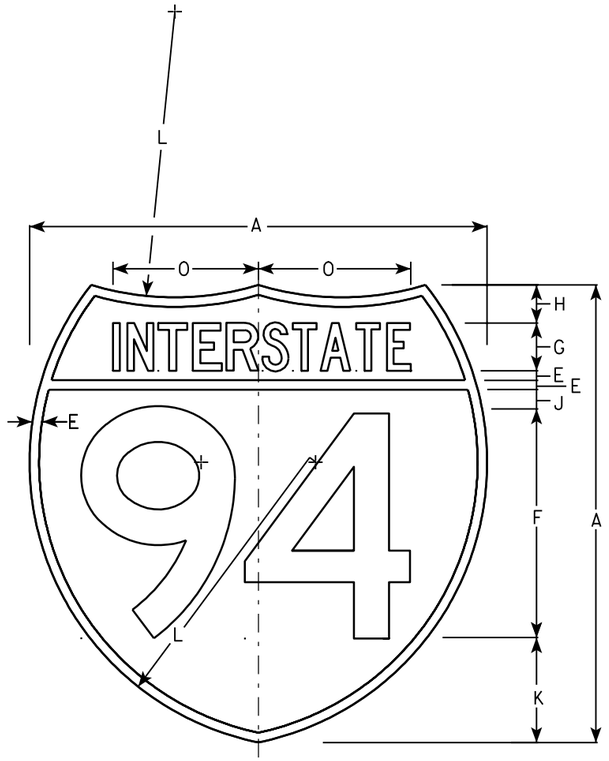
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

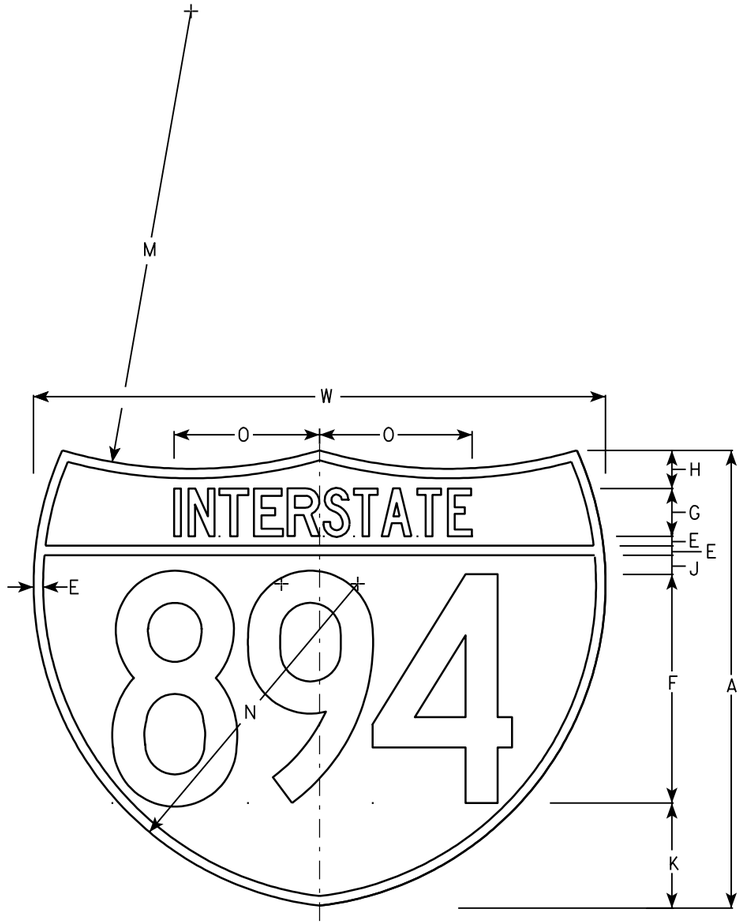
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 394	E



M1-1



M1-1A

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Top Red - Bottom Blue (See Note 6)
   Message - White - See Note 6
3. Message Series - See note 5
4. Substitute appropriate numerals & ajust spacing as per plate A10-1.
5. M1-1 - Numerals - D
   Interstate - C
   M1-1A - All copy - C
6. Permanent Signs
   Message - Type H Reflective
   Detour or other temporary signs
   Background - Reflective
   Message - Reflective

Metric equivalent for these signs are:

SIZE	M1-1	SIZE	M1-1A
1			
2	600 mm X 600 mm	2	600 mm X 750 mm
3	900 mm X 900 mm	3	900 mm X 1125 mm
4	900 mm X 900 mm	4	900 mm X 1125 mm
5	900 mm X 900 mm	5	900 mm X 1125 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	M1-1 Area sq. ft.	M1-1A Area sq. ft.	M1-1 Area m2	M1-1A Area m2
1																													
2	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91	.36	.46
3	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
4	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
5	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05

INTERSTATE ROUTE MARKER
M1-1 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

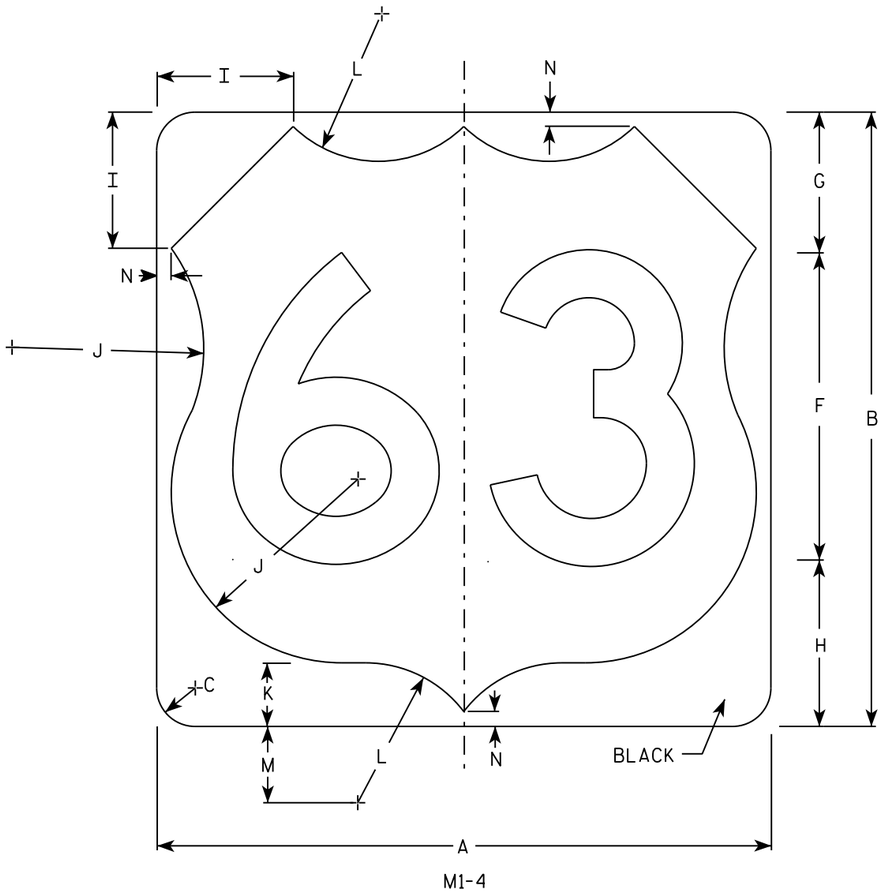
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 08/23/05 PLATE NO. M1-1.8

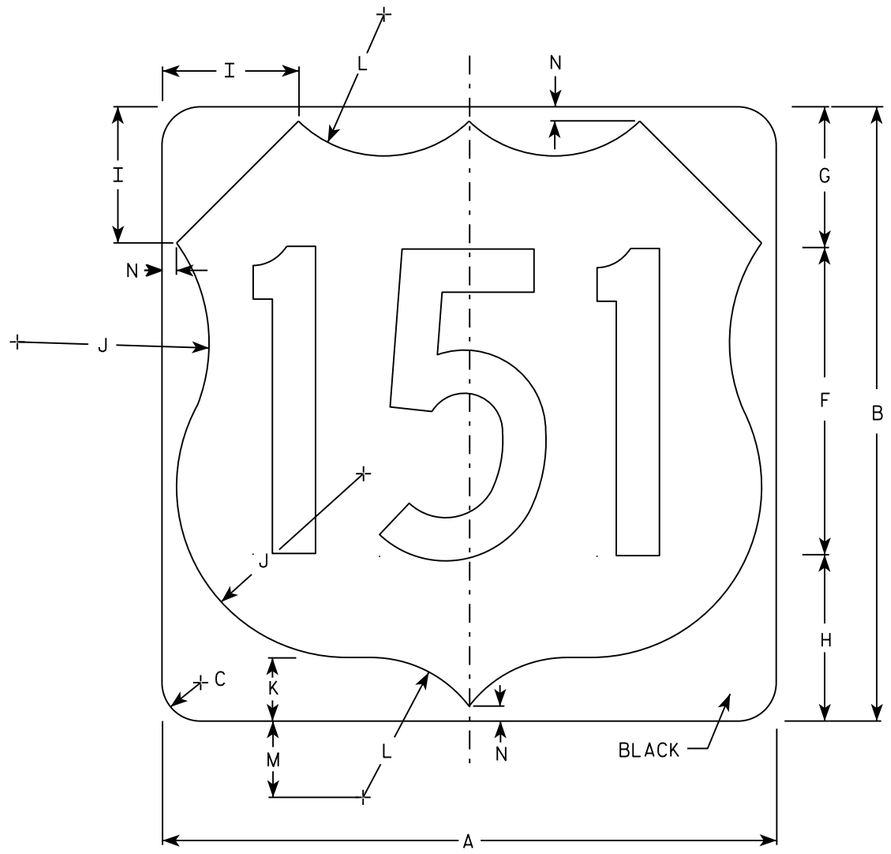
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 395	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



M1-4



M1-4

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area Sq. ft.
1																											
2	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0

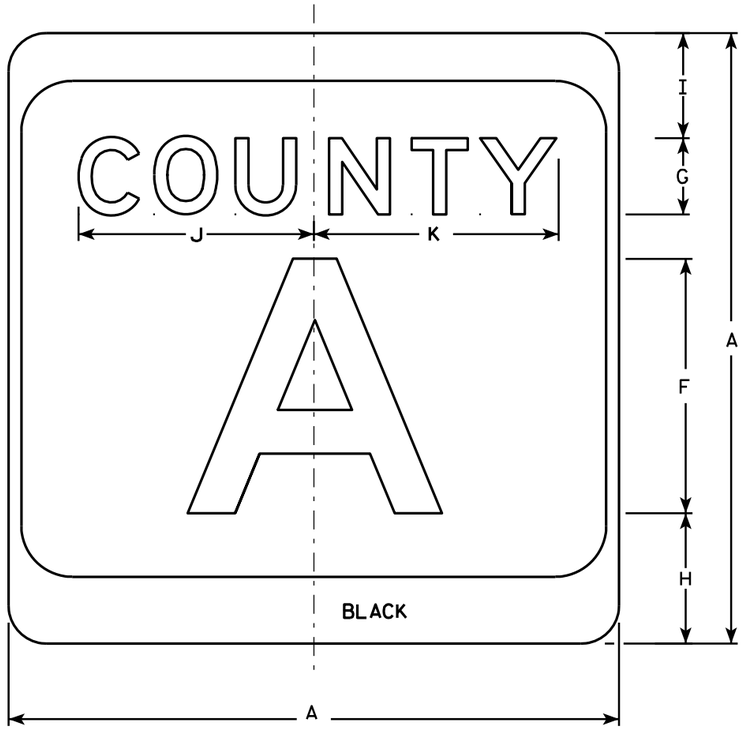
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

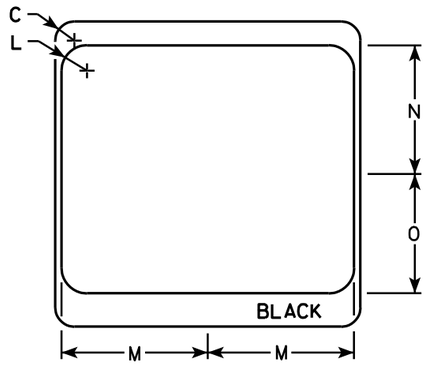
APPROVED Matthew R Rauch
for State Traffic Engineer

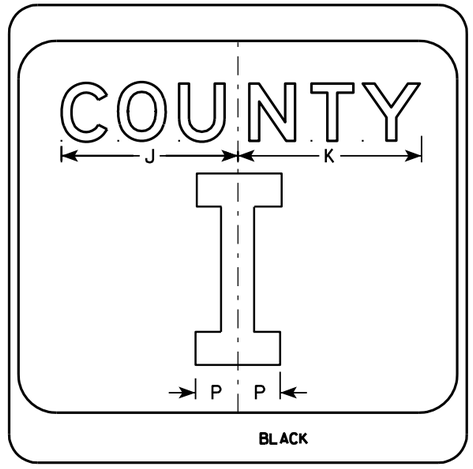
DATE 3/16/18 PLATE NO. M1-4.10

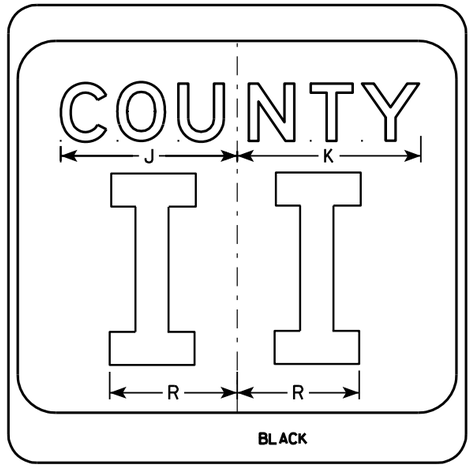
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 396 | E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

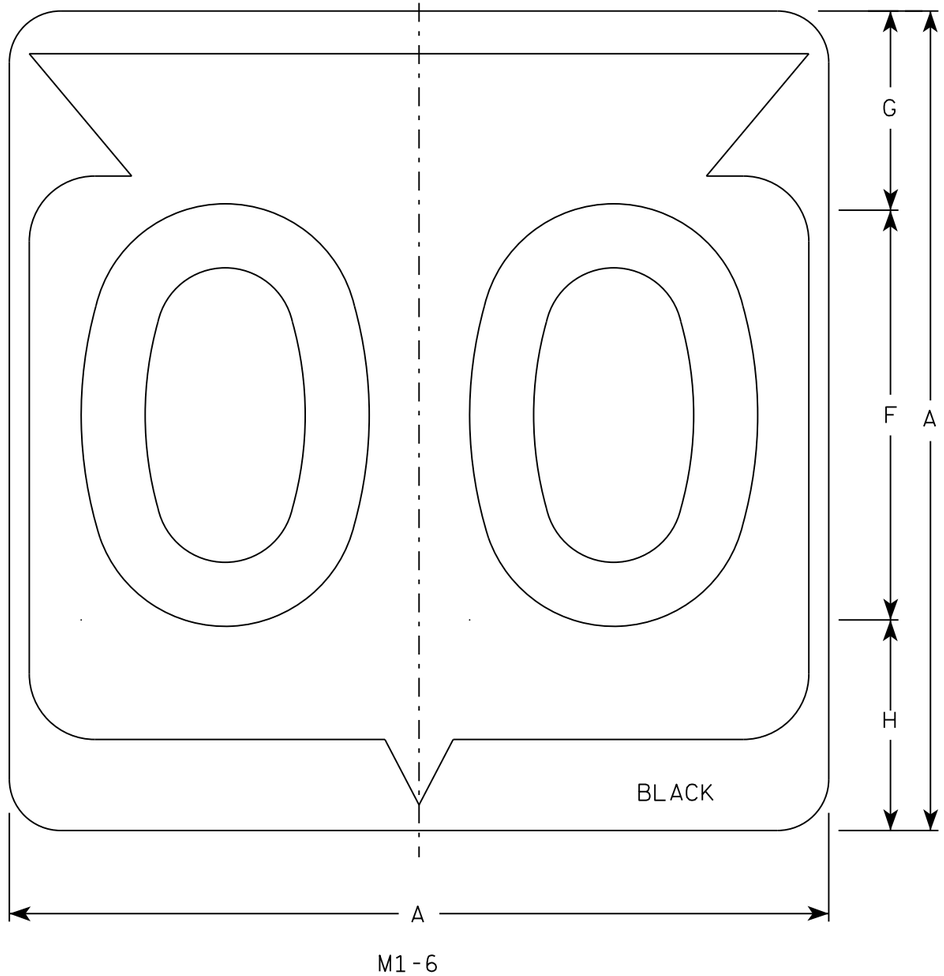
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

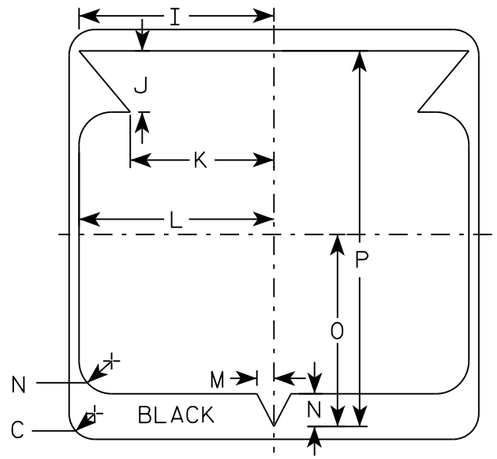
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 397	E



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

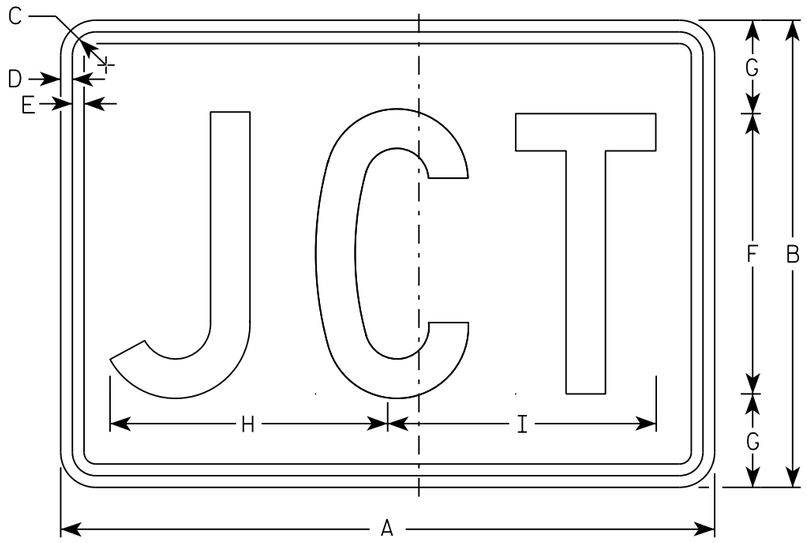
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

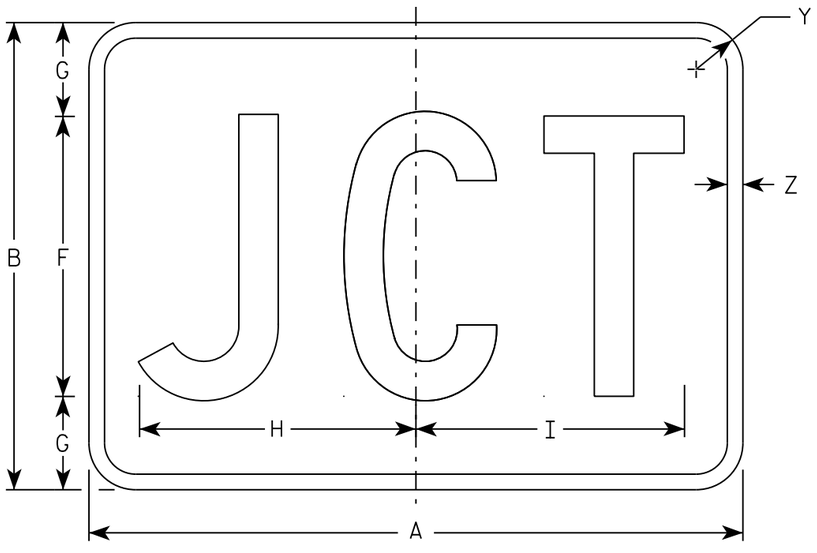
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 398	E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

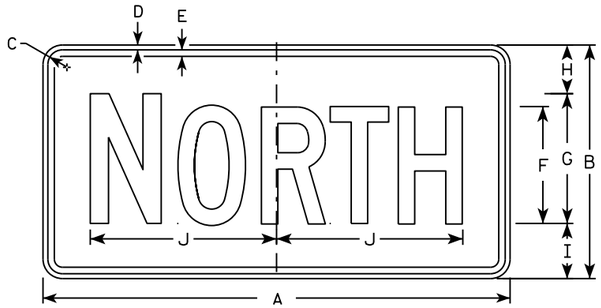
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

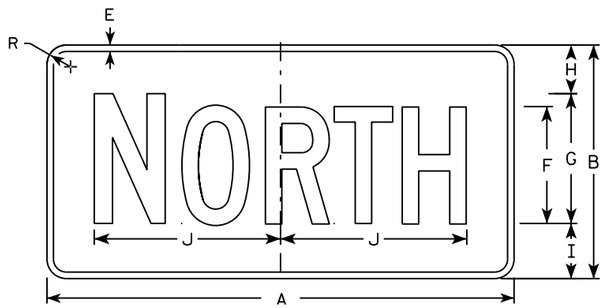
DATE 10/15/15 PLATE 399 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



M3-1
MM3-1
MP3-1



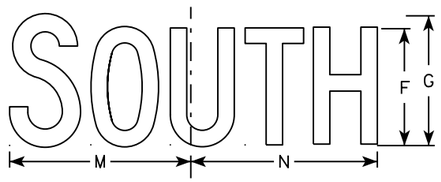
MB3-1
MK3-1
MN3-1



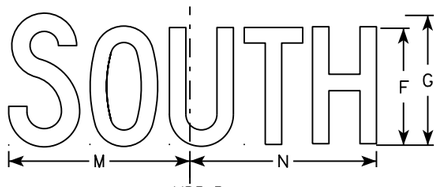
M3-2
MM3-2
MP3-2



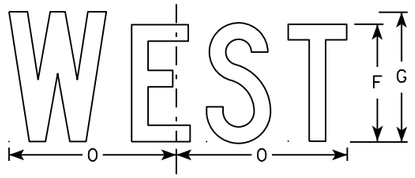
MB3-2
MK3-2
MN3-2



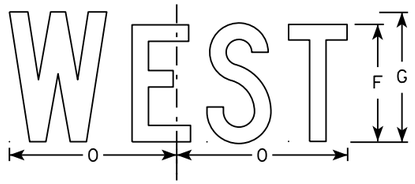
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

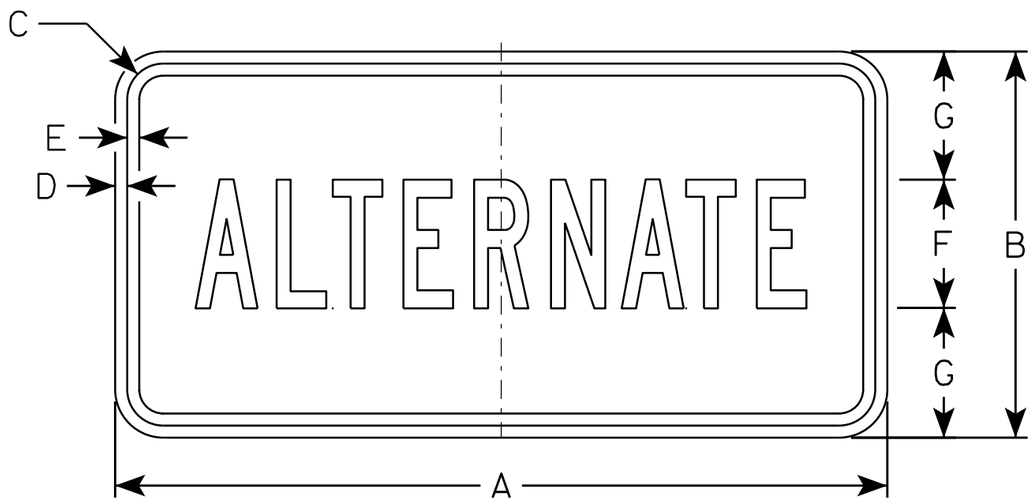
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

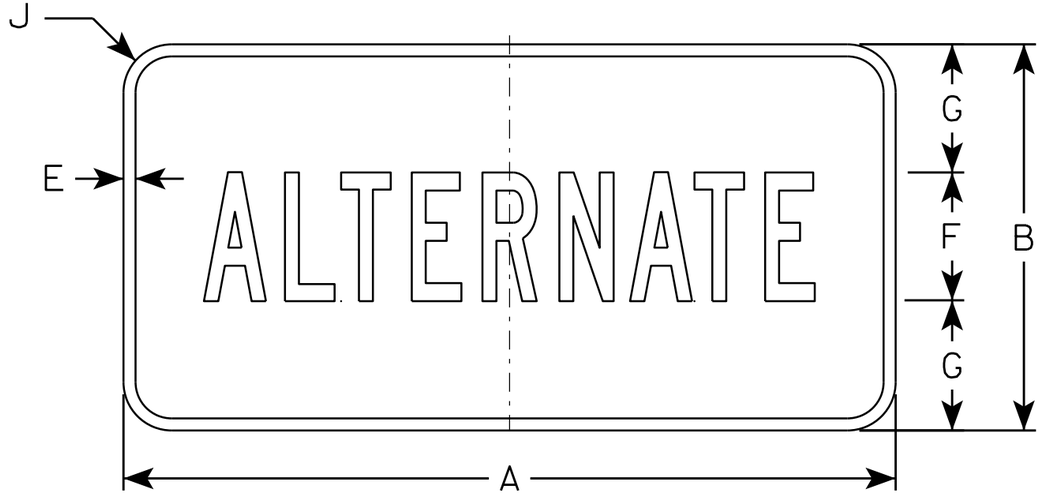
DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-1
M04-1



MB4-1

NOTES

1. Sign is Type II - Type H except as Shown
2. Color:
   Background - See Note 5
   Message - See note 5
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-1 Background - White
   Message - Black

   MB4-1 Background - Blue
   Message - White

   M04-1 Background - Orange - Type F
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	4	4	9 3/4	9 1/2	1 1/2																	2.00
3	36	18	1 1/8	3/8	1/2	7	5 1/2	16 3/8	16 1/2	1 1/2																	4.5
4	36	18	1 1/8	3/8	1/2	7	5 1/2	16 3/8	16 1/2	1 1/2																	4.5
5	36	18	1 1/8	3/8	1/2	7	5 1/2	16 3/8	16 1/2	1 1/2																	4.5

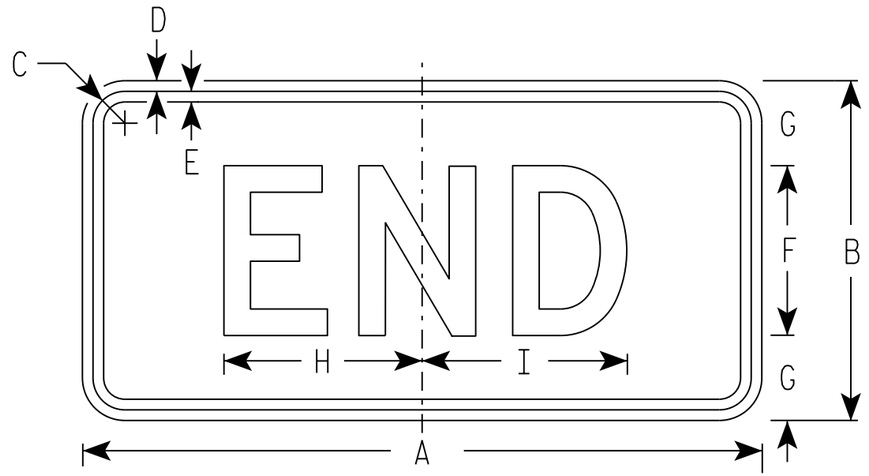
STANDARD SIGN
M4-1

WISCONSIN DEPT OF TRANSPORTATION

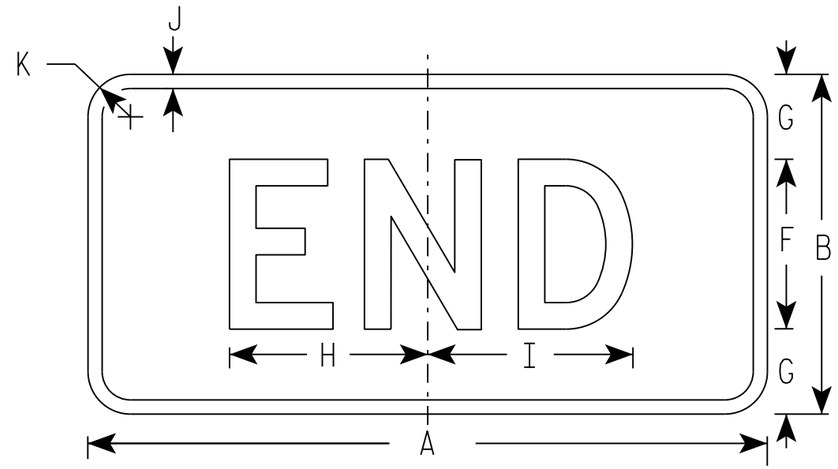
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/14 PLATE 401 '14-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



M4-6
MM4-6
MP4-6



MB4-6
MK4-6
MN4-6
MR4-6

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-6 Background - White
   Message - Black

   MB4-6 Background - Blue
   Message - White

   MK4-6 Background - Green
   Message - White

   MM4-6 Background - White
   Message - Green

   MN4-6 Background - Brown
   Message - White

   MP4-6 Background - White
   Message - Blue

   MR4-6 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	7	7 1/4	1/2	1 1/2																2.00
3	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
4	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
5	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5

STANDARD SIGN
M4-6

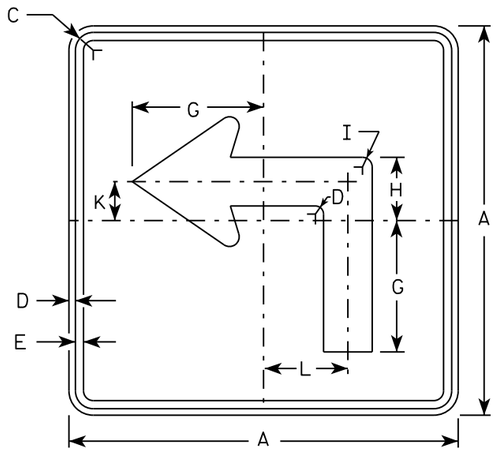
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

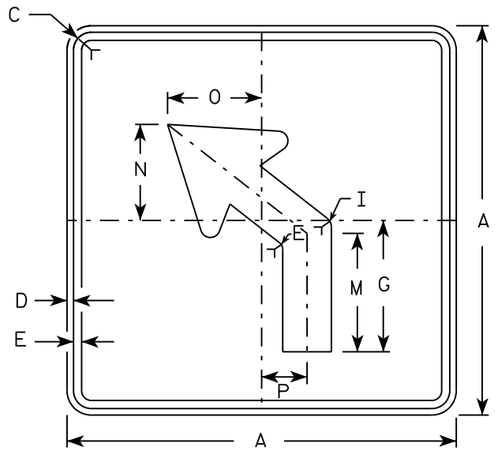
DATE 10/15/15 PLATE 402 '14-7.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

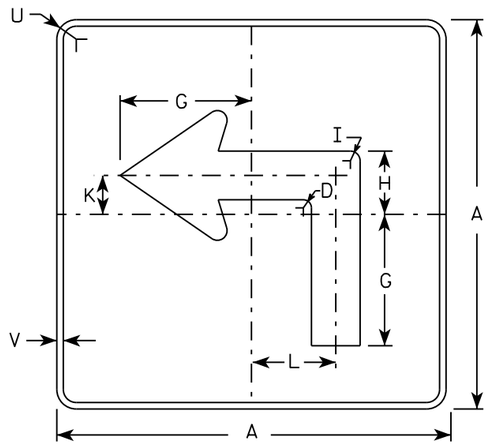
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M46.DGN PLOT DATE : 01-DEC-2015 17:55 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.351066:1.000000



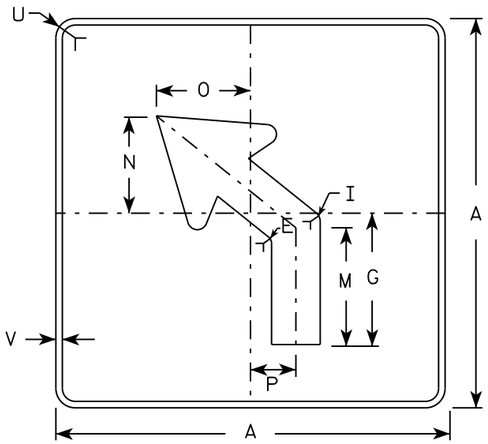
M5-1L
MM5-1L
MO5-1L
MP5-1L



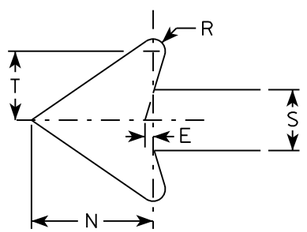
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

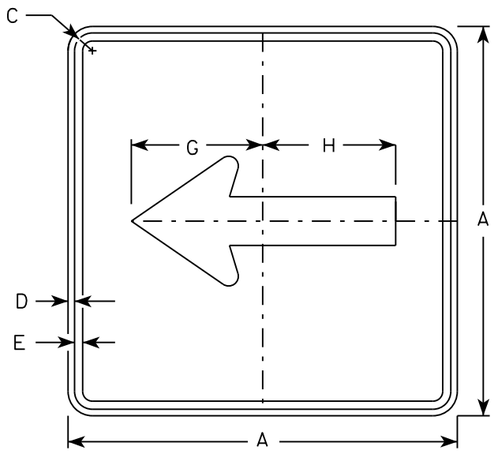
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

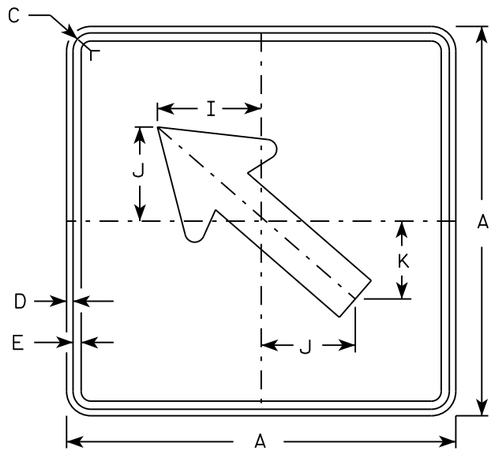
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



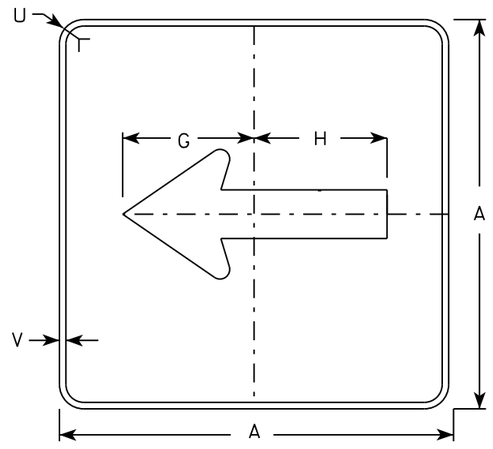
M6-1
MM6-1
MO6-1
MP6-1



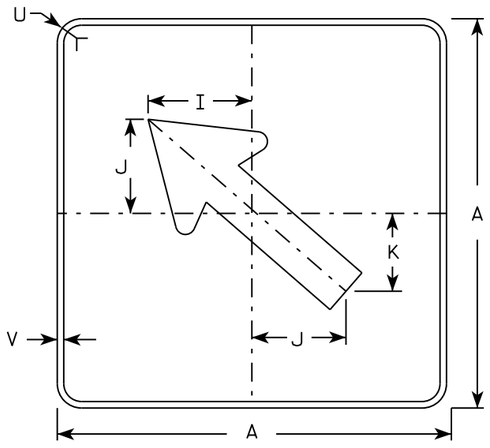
M6-2
MM6-2
MO6-2
MP6-2

NOTES

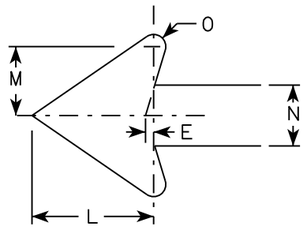
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

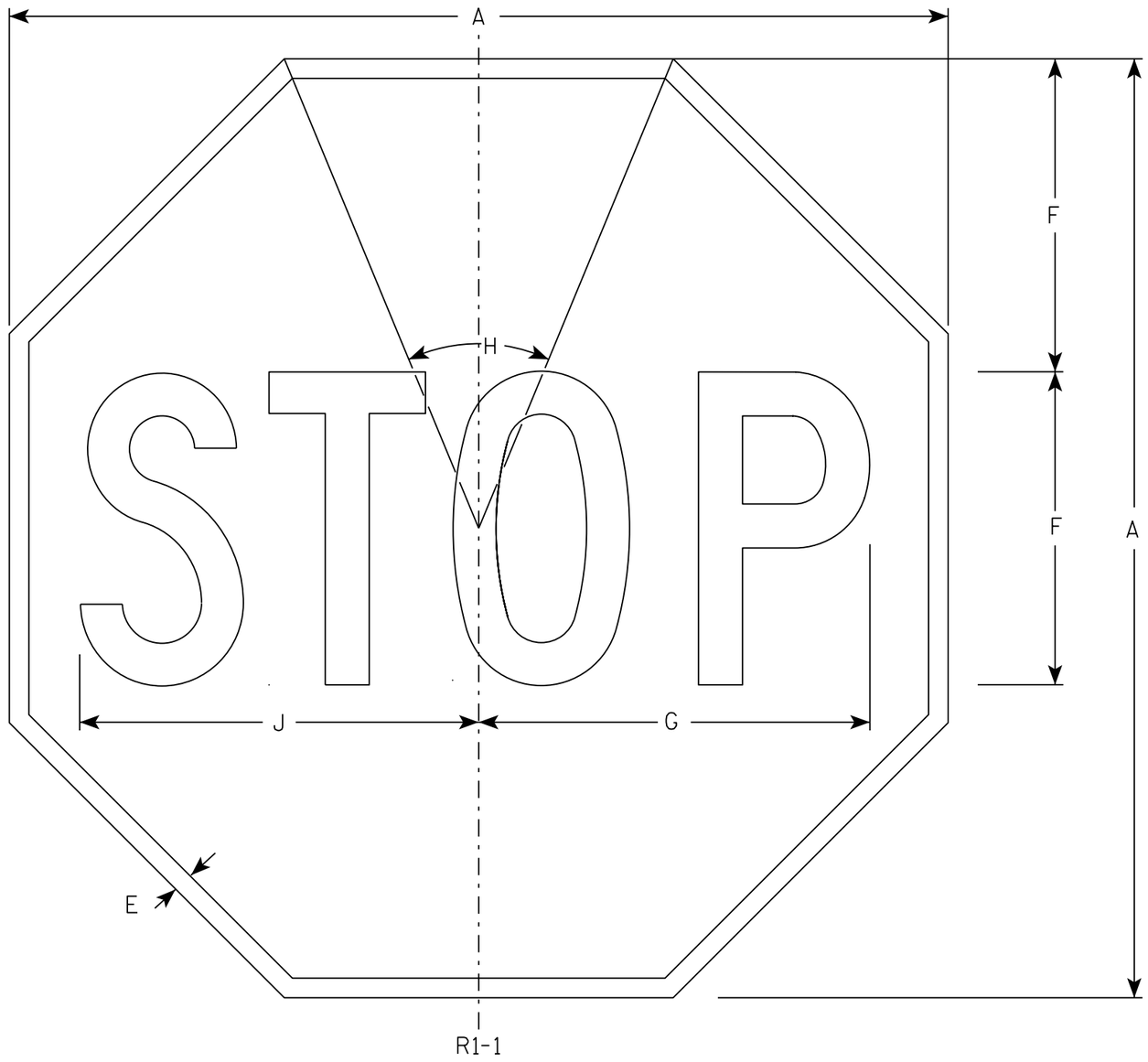
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 404 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN

R1-1

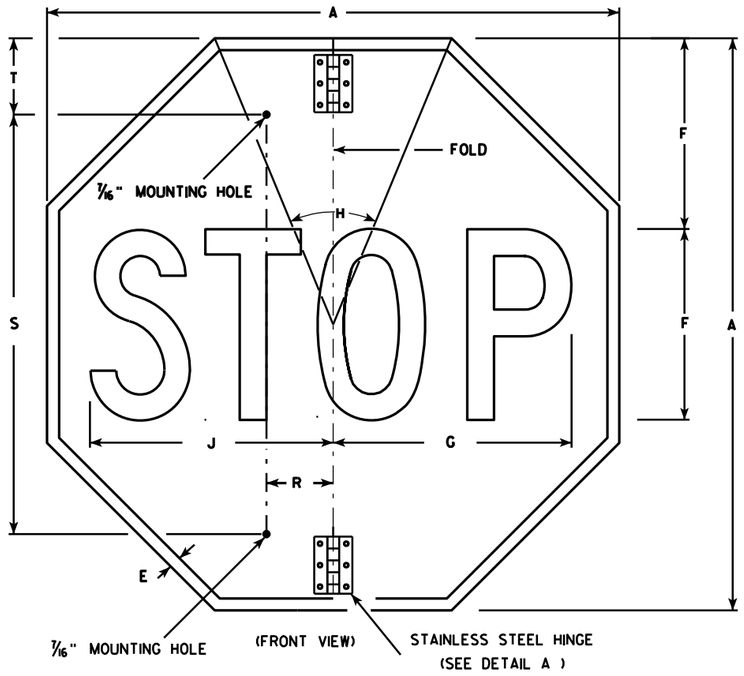
WISCONSIN DEPT OF TRANSPORTATION

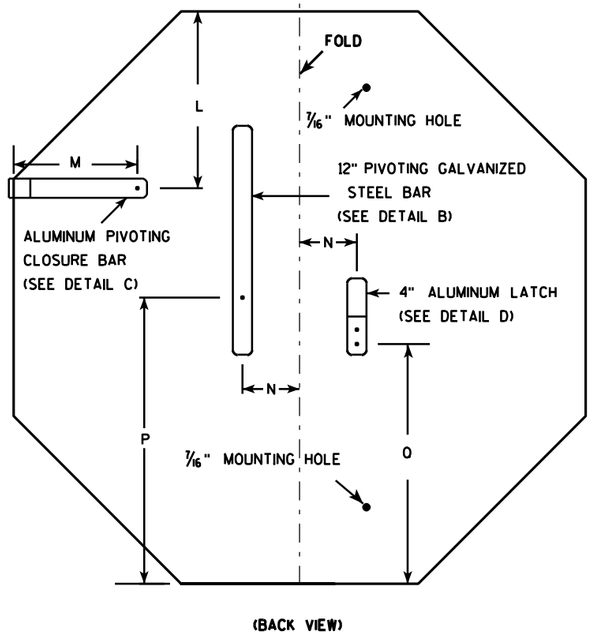
APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

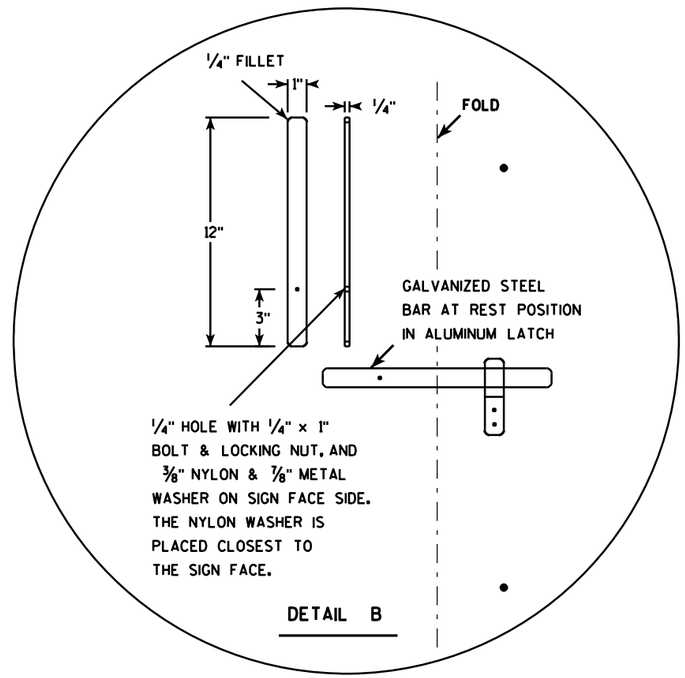
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 405	E



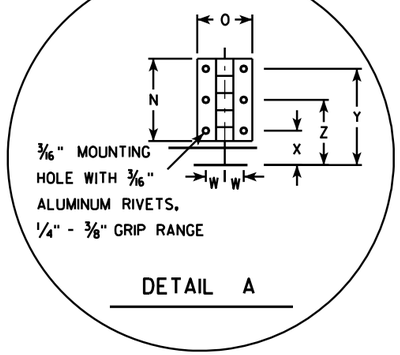


NOTES

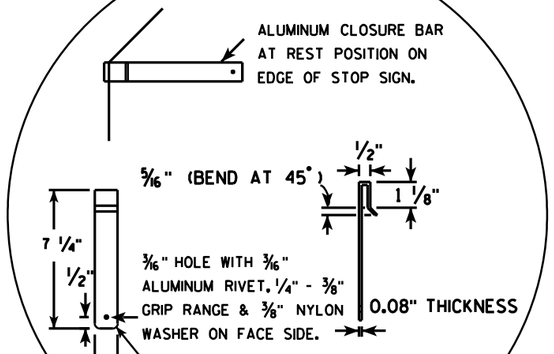
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.



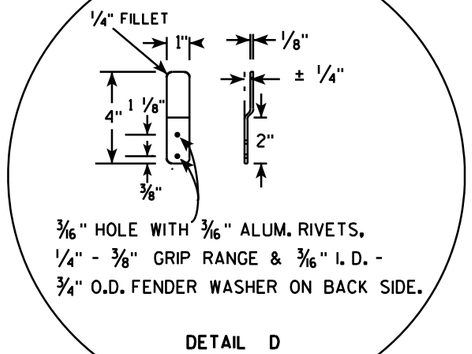
DETAIL B



DETAIL A



DETAIL C



DETAIL D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

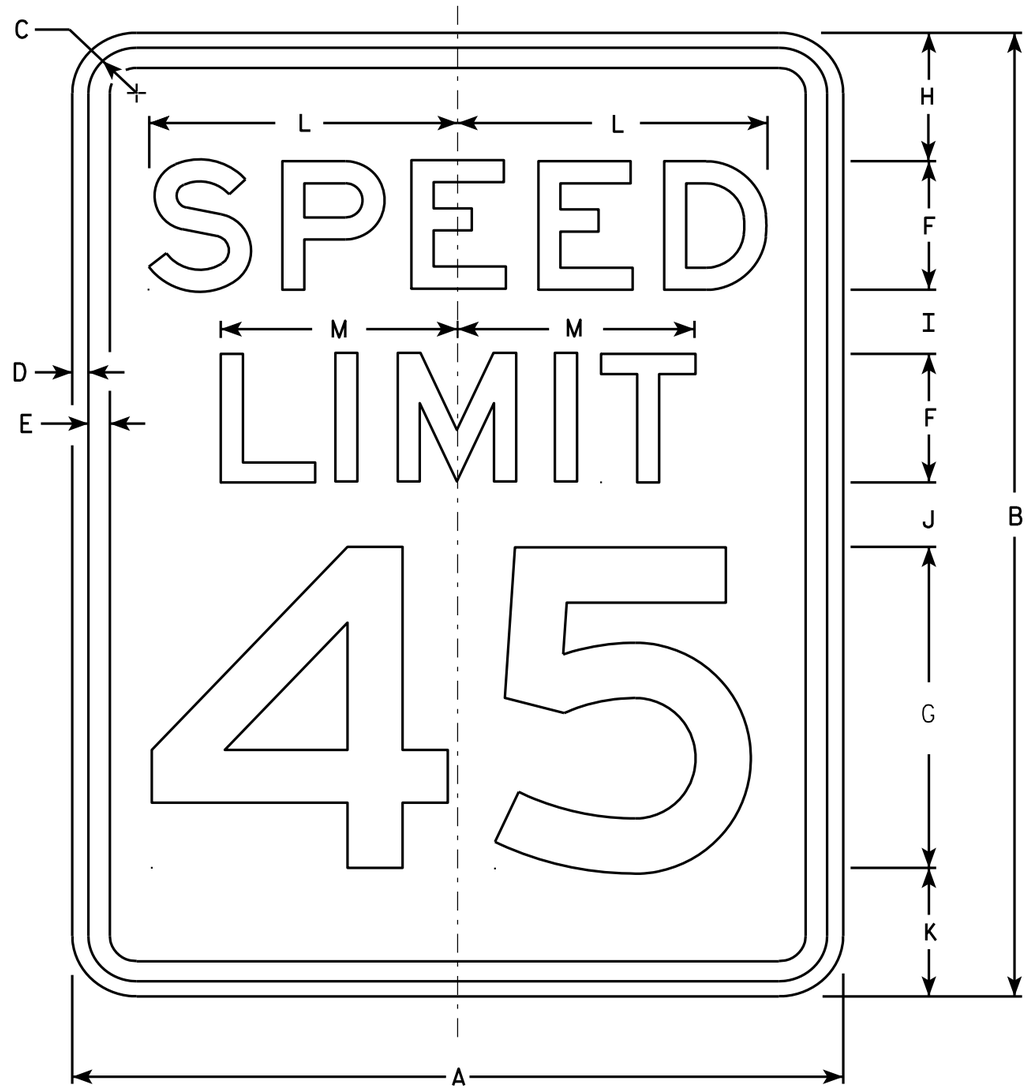
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 406 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R11F.DGN PLOT DATE : 02-DEC-2010 15:26 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 7.945391:1.000000

WISDOT/CADDS SHEET 42

7

7



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

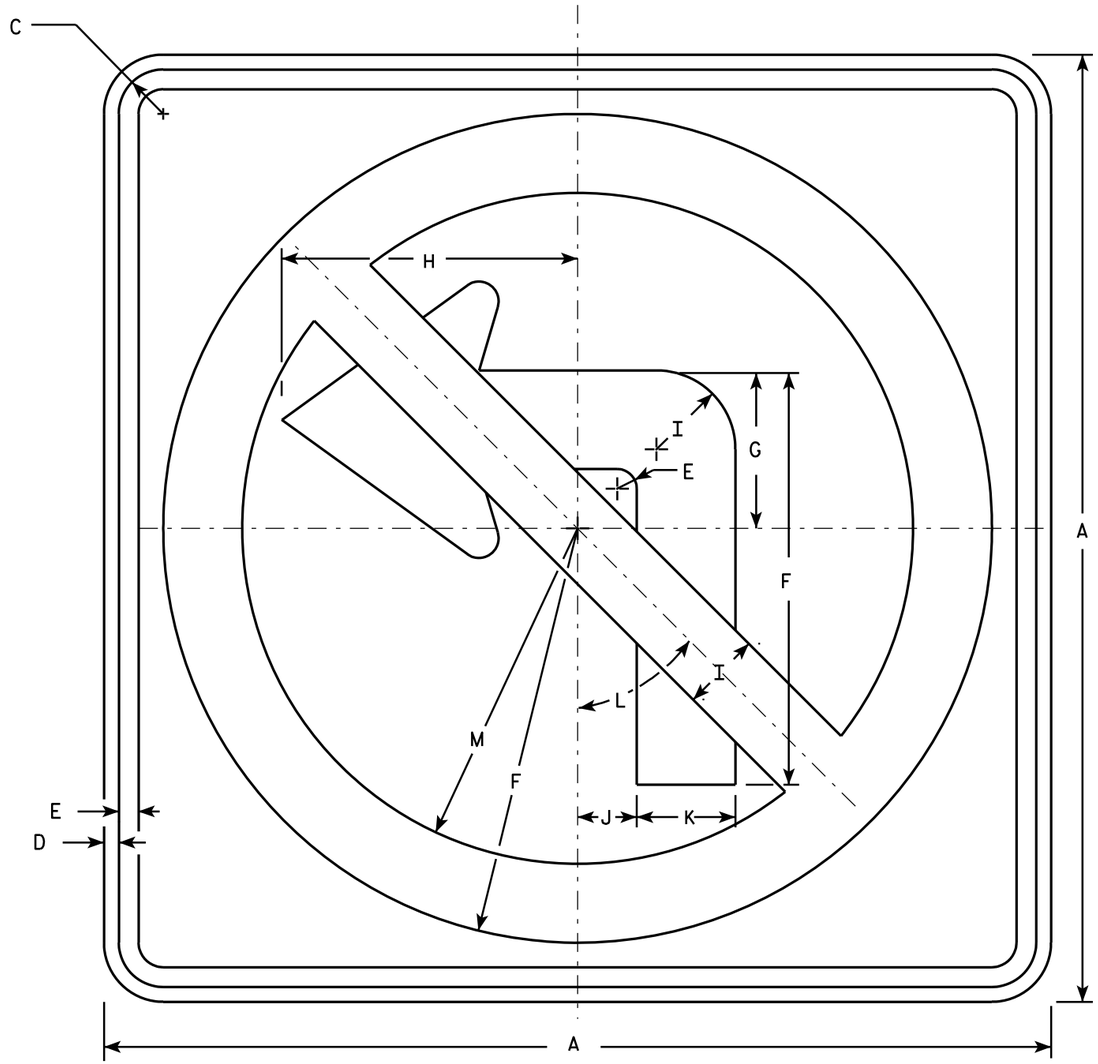
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

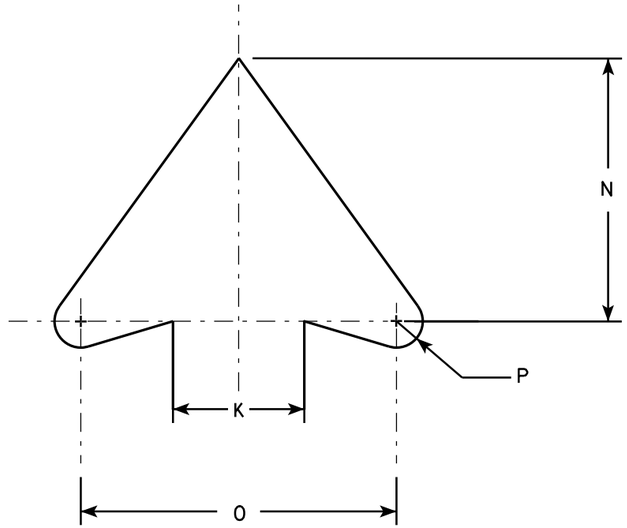
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 407 | E



R3-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

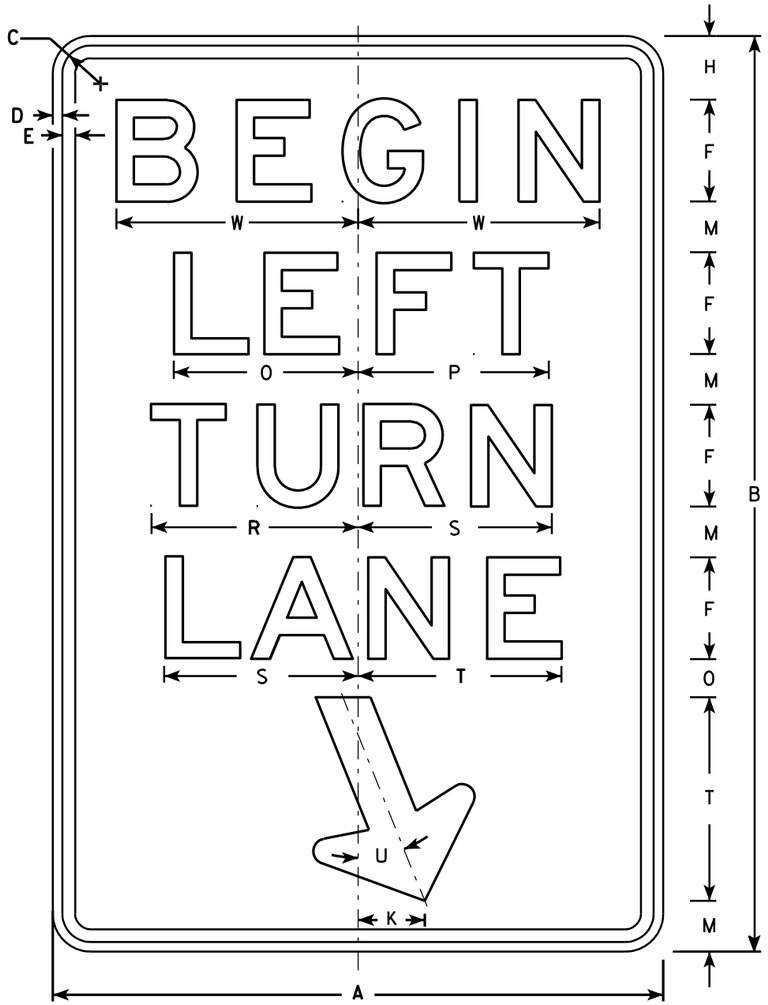
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

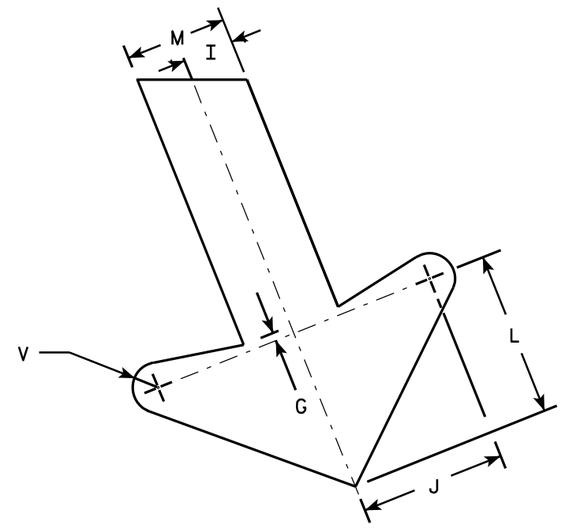
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 408	E



R3-20L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

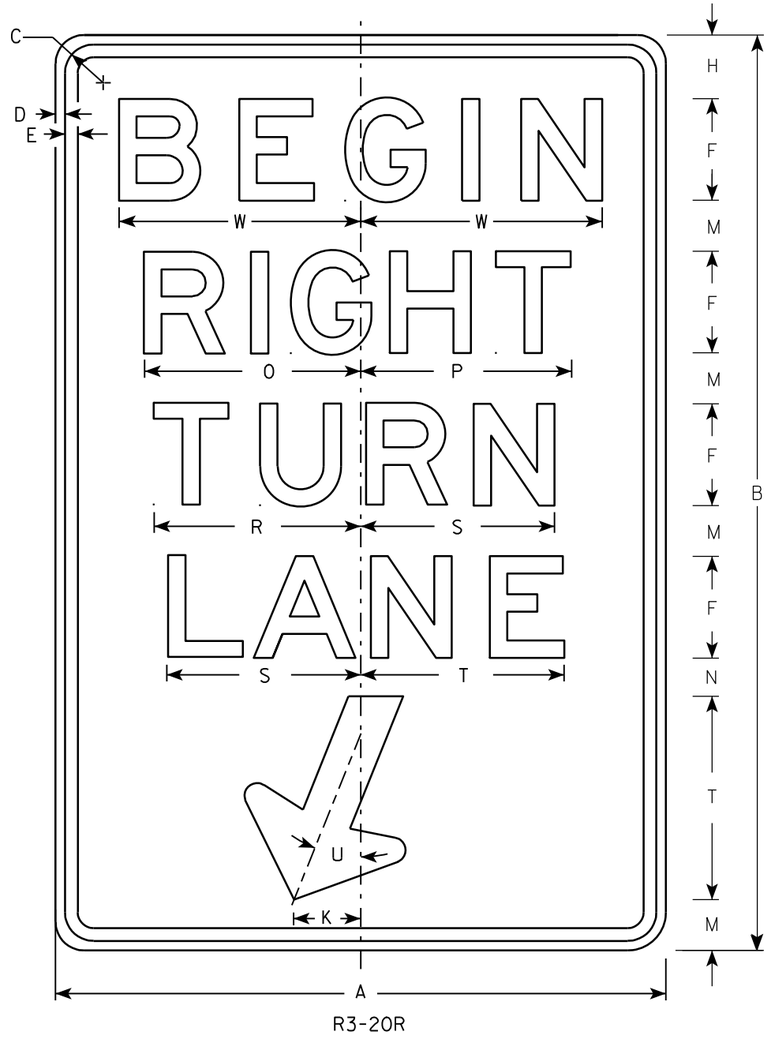
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

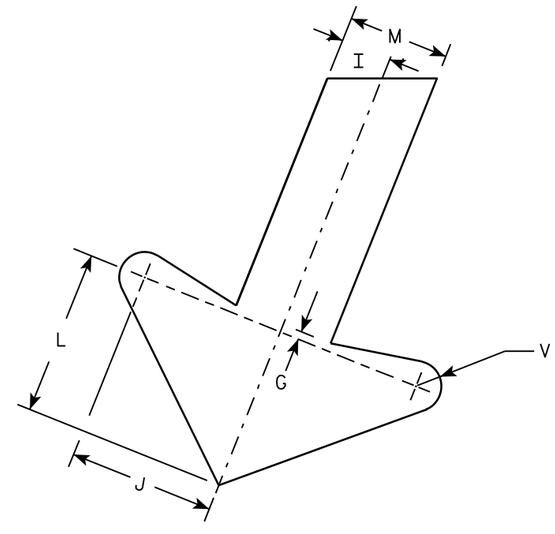
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 409 | E



R3-20R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

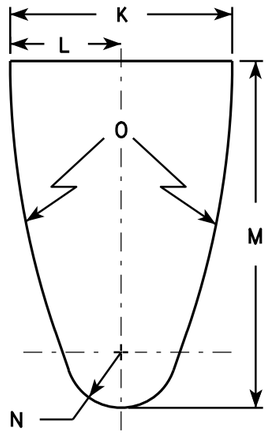
STANDARD SIGN
R3-20R

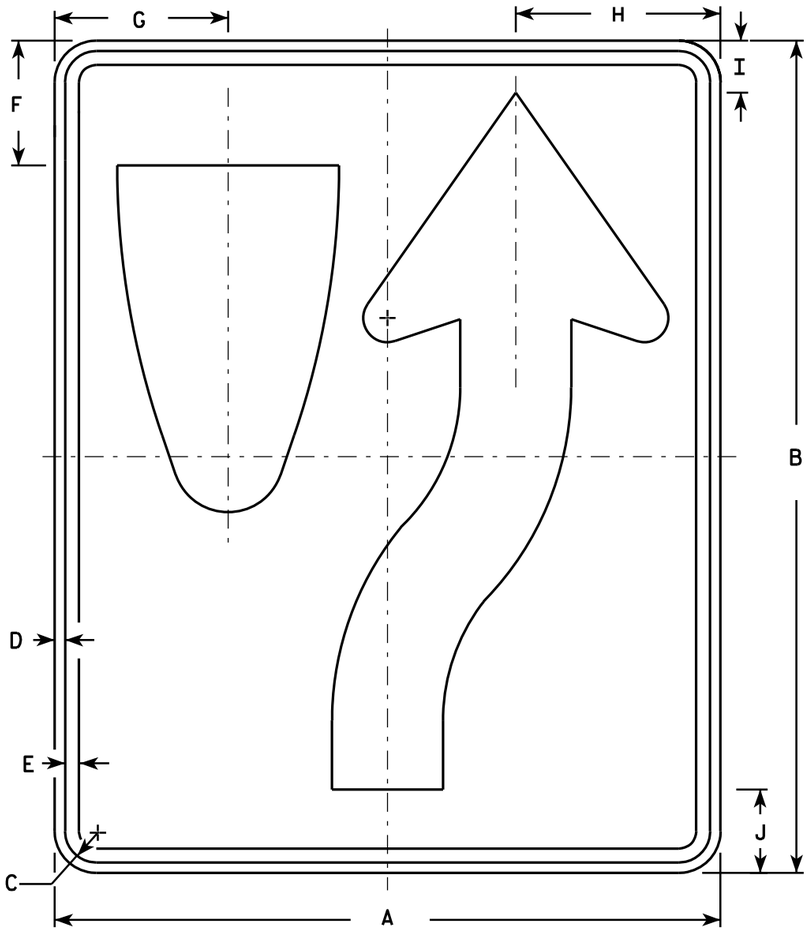
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20R.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 410 | E

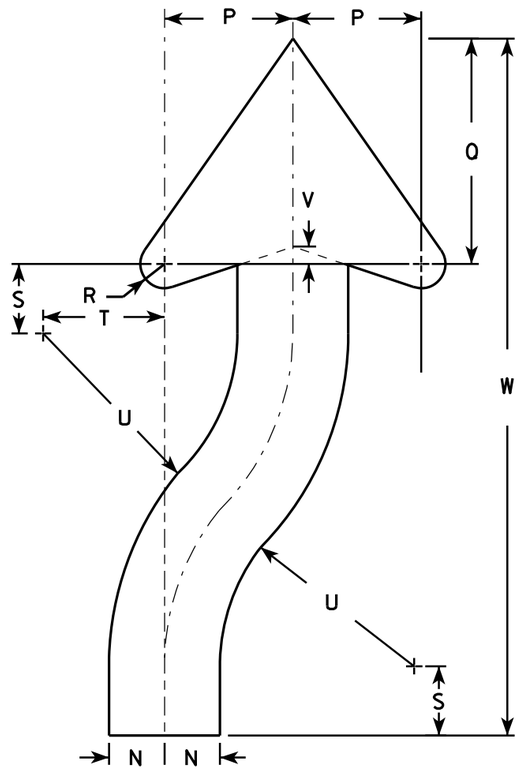




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

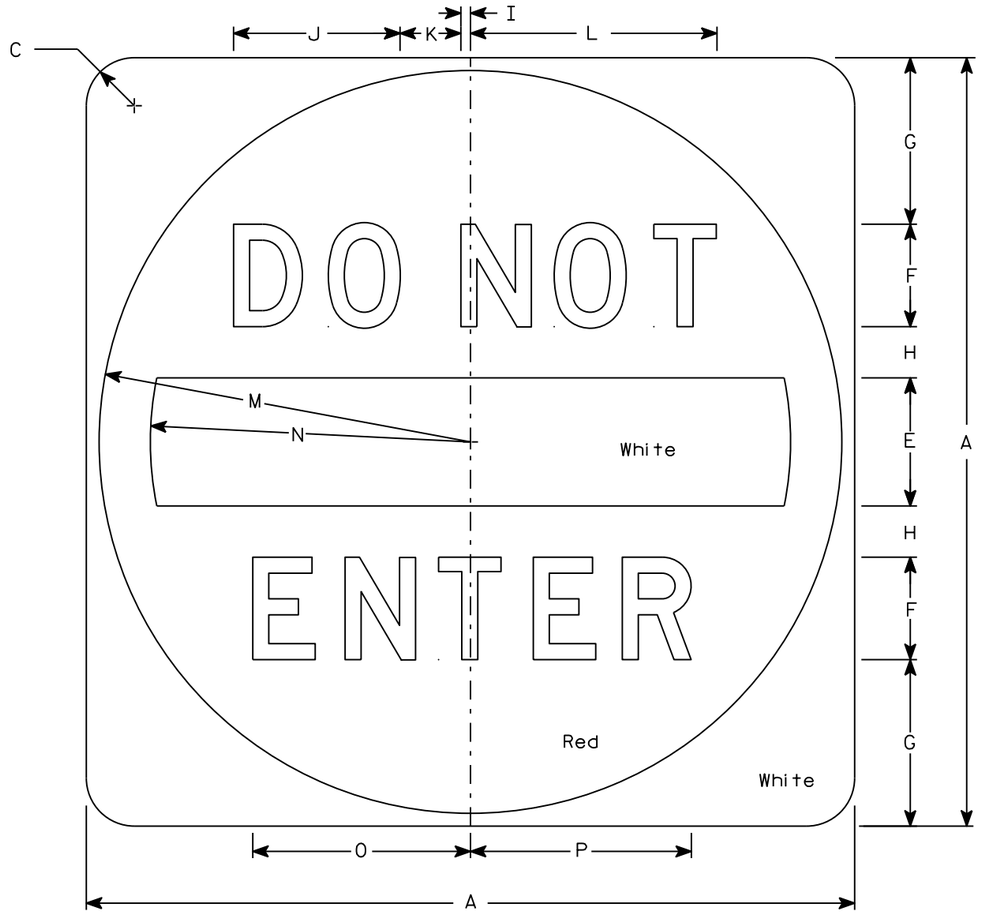
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 411	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

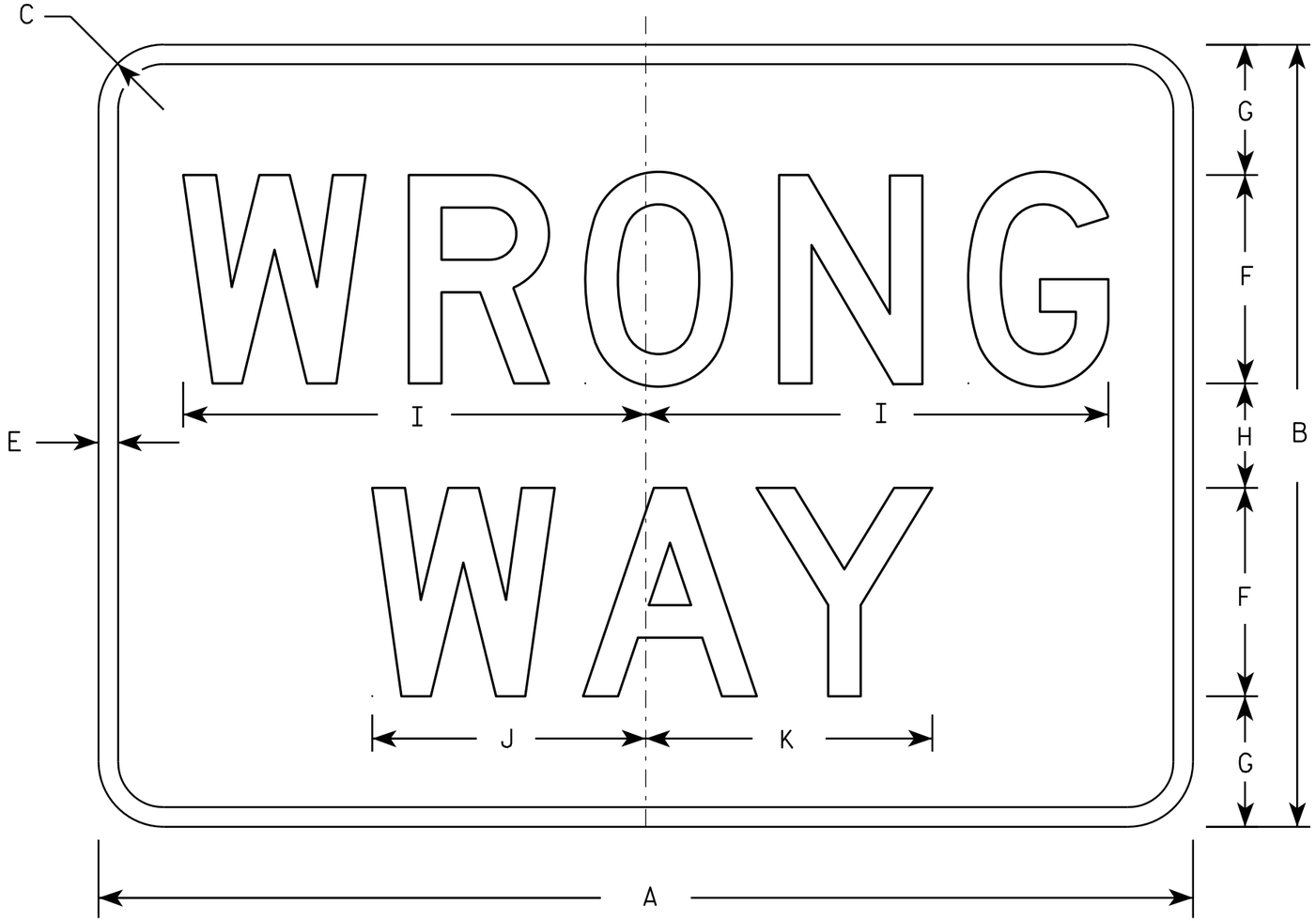
STANDARD SIGN
R5-1

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: 412 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

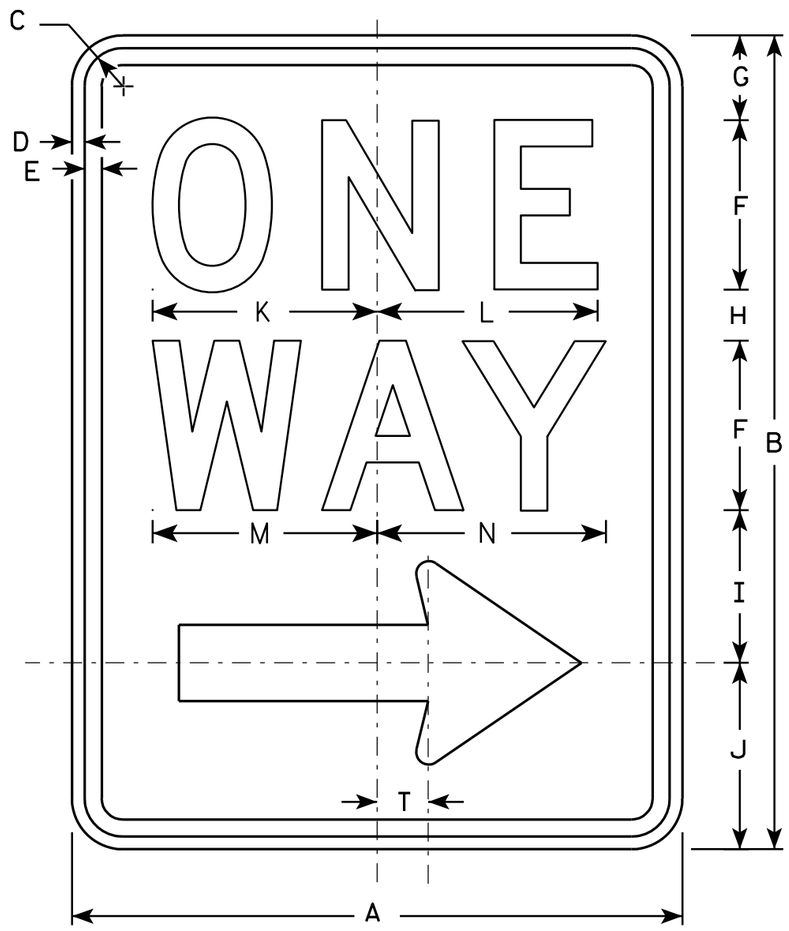
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

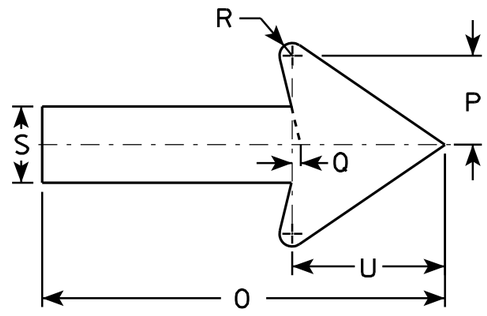
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 413 | E



R6-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

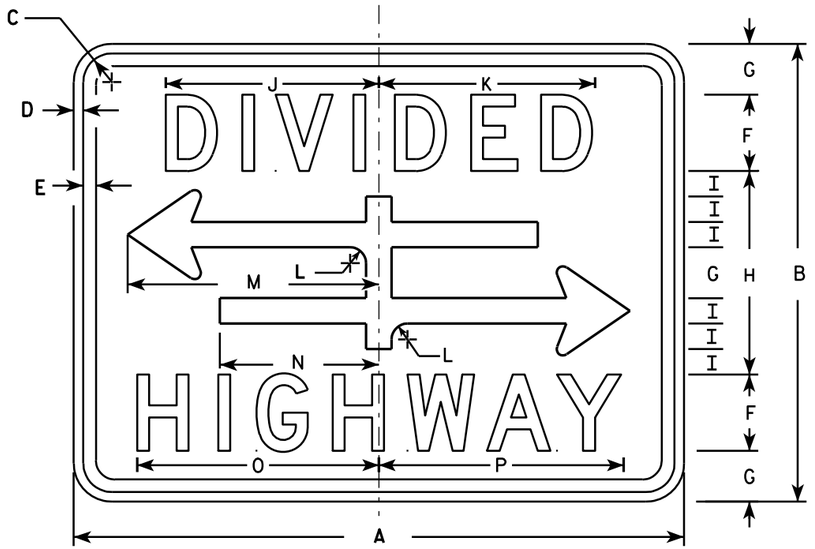
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

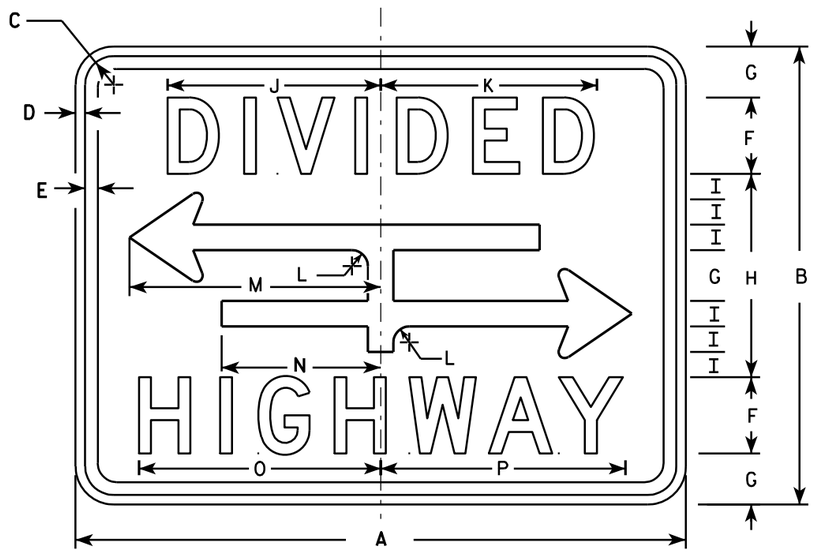
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 414	E



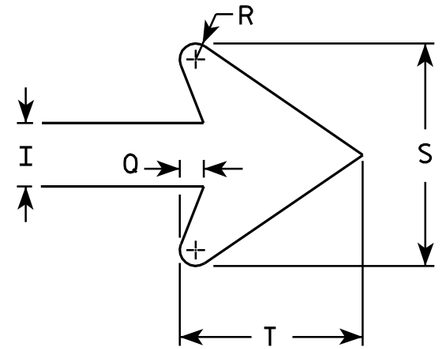
R6-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-3A



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	18	1 1/8	3/8	3/8	3	2	8	1	8 3/8	8 1/2	5/8	9 7/8	6 1/4	9 1/2	9 5/8	3/8	1/4	3 1/2	2 3/4							3.0
2S	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
2M	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
3																											
4																											
5																											

STANDARD SIGN
R6-3 & R6-3A

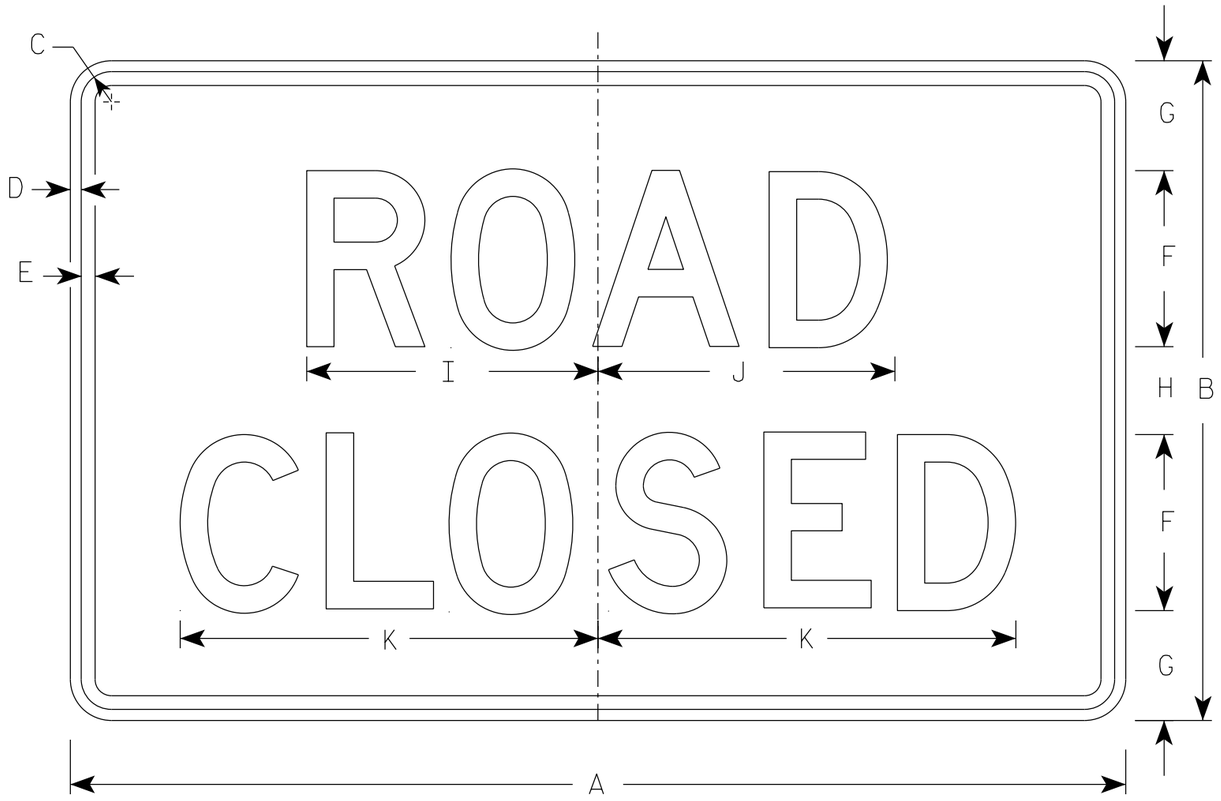
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R6-3.5

PROJECT NO:

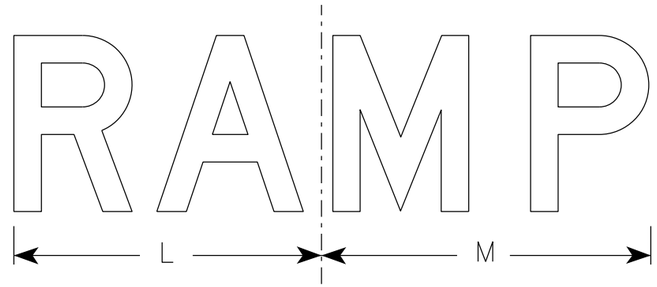
SHEET NO: 415 E



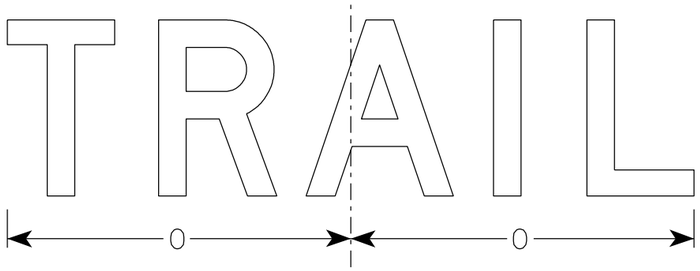
R11-2

NOTES

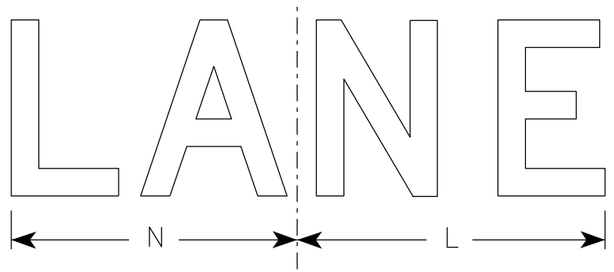
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

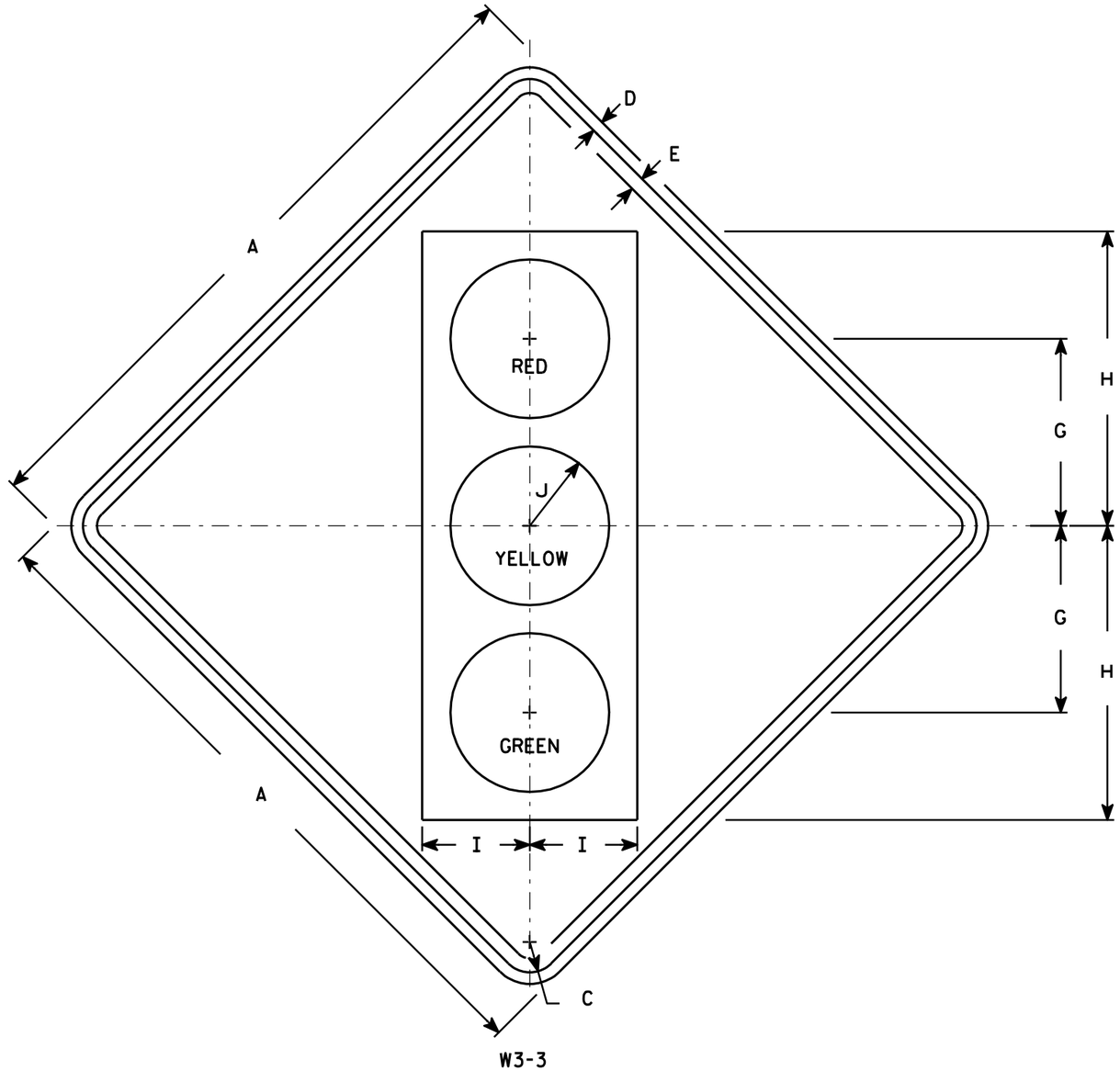
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 416	E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0

STANDARD SIGN
W3-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-3.11

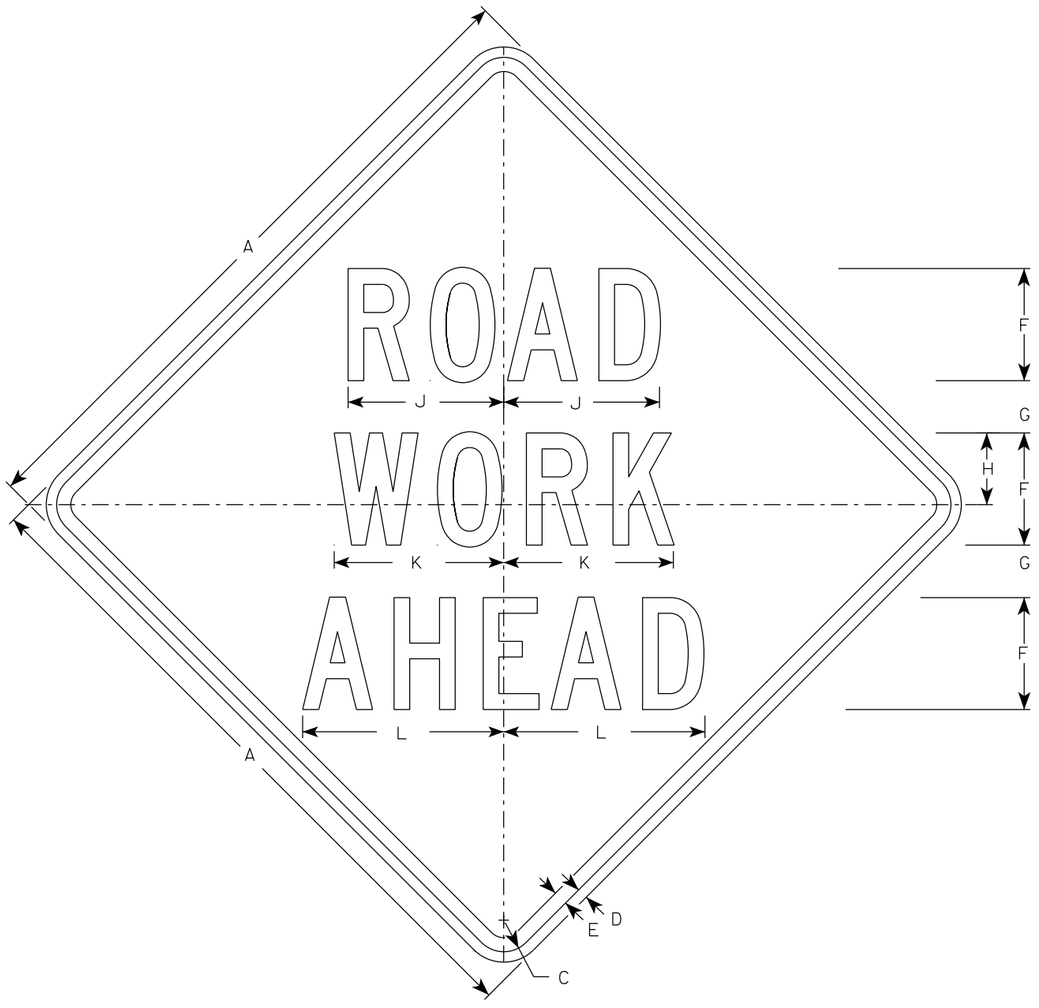
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 417 | E

7

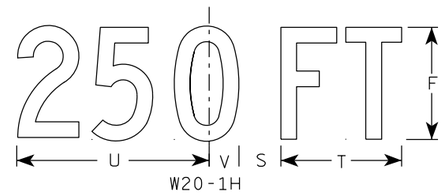
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W33.DGN PLOT DATE : 07-JUN-2010 13:07 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 7.448805:1.000000

NOTES

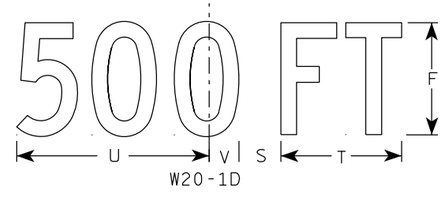
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A



W20-1H



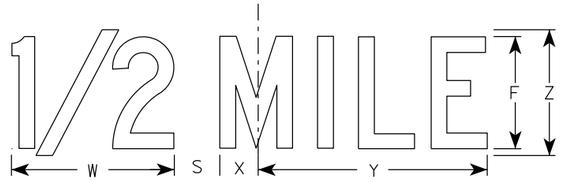
W20-1D



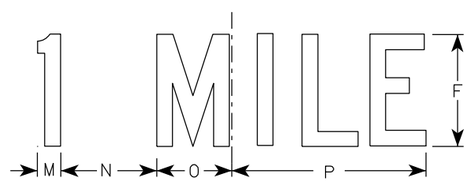
W20-1C



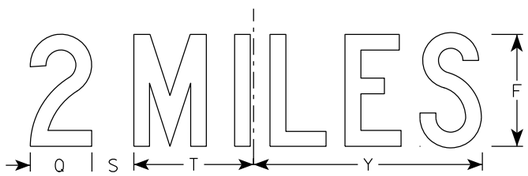
W20-1B



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

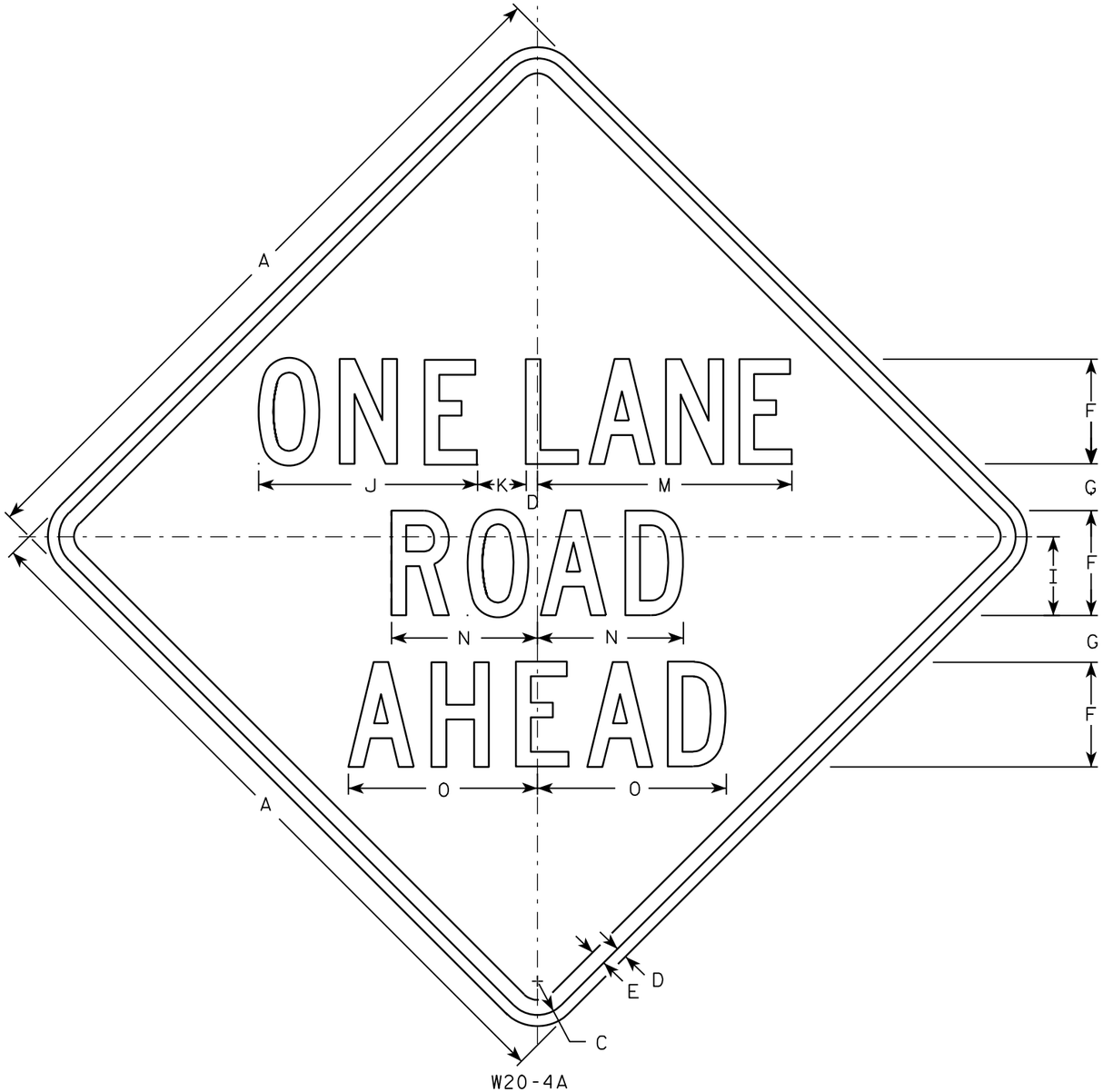
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

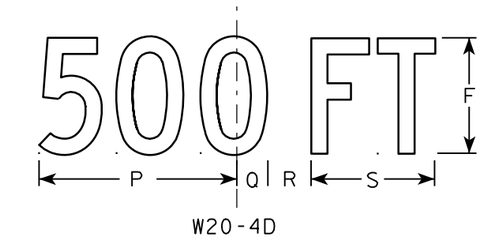
WISDOT/CADDS SHEET 42

7

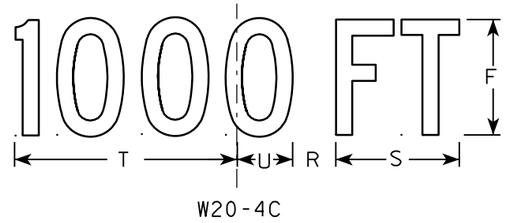
7



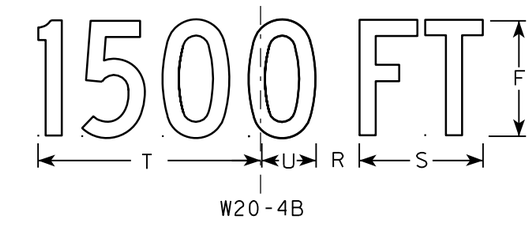
W20-4A



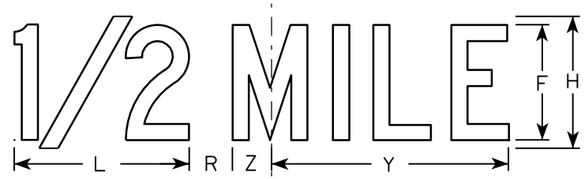
W20-4D



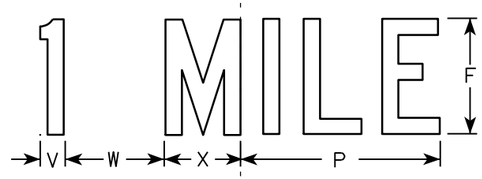
W20-4C



W20-4B



W20-4G



W20-4F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 3/8	6	3 3/4	10 3/8	2 3/8	8	13 1/2	7	8 7/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-4A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-4.9

PROJECT NO:

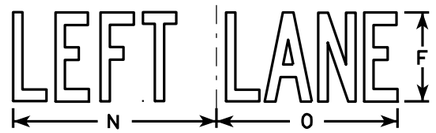
SHEET NO: 419 E

7

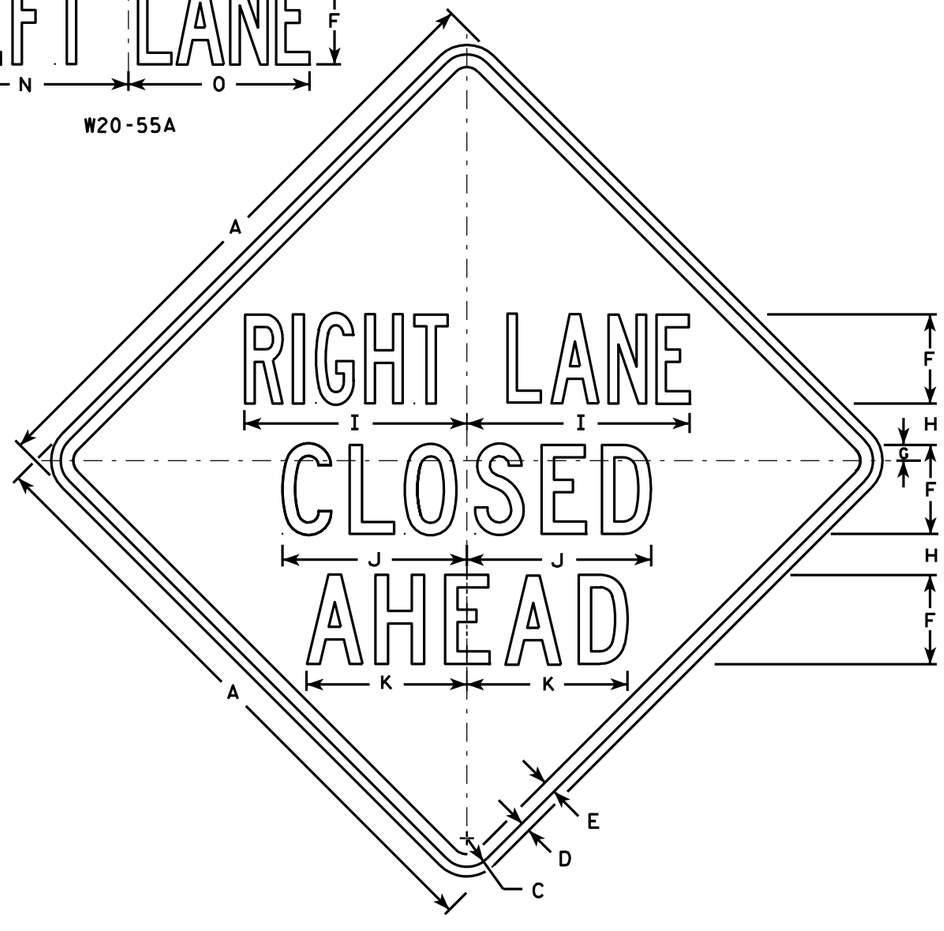
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W204.DGN PLOT DATE : 18-MAR-2011 12:11 PLOT BY : mscj9h



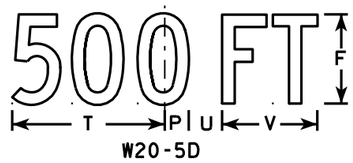
W20-56A



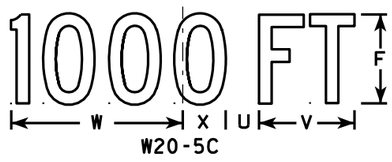
W20-55A



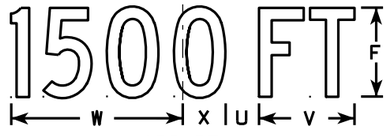
W20-5A



W20-5D



W20-5C



W20-5B



W20-5G



W20-5F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	1 5/8	5/8	3/4	5	1/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

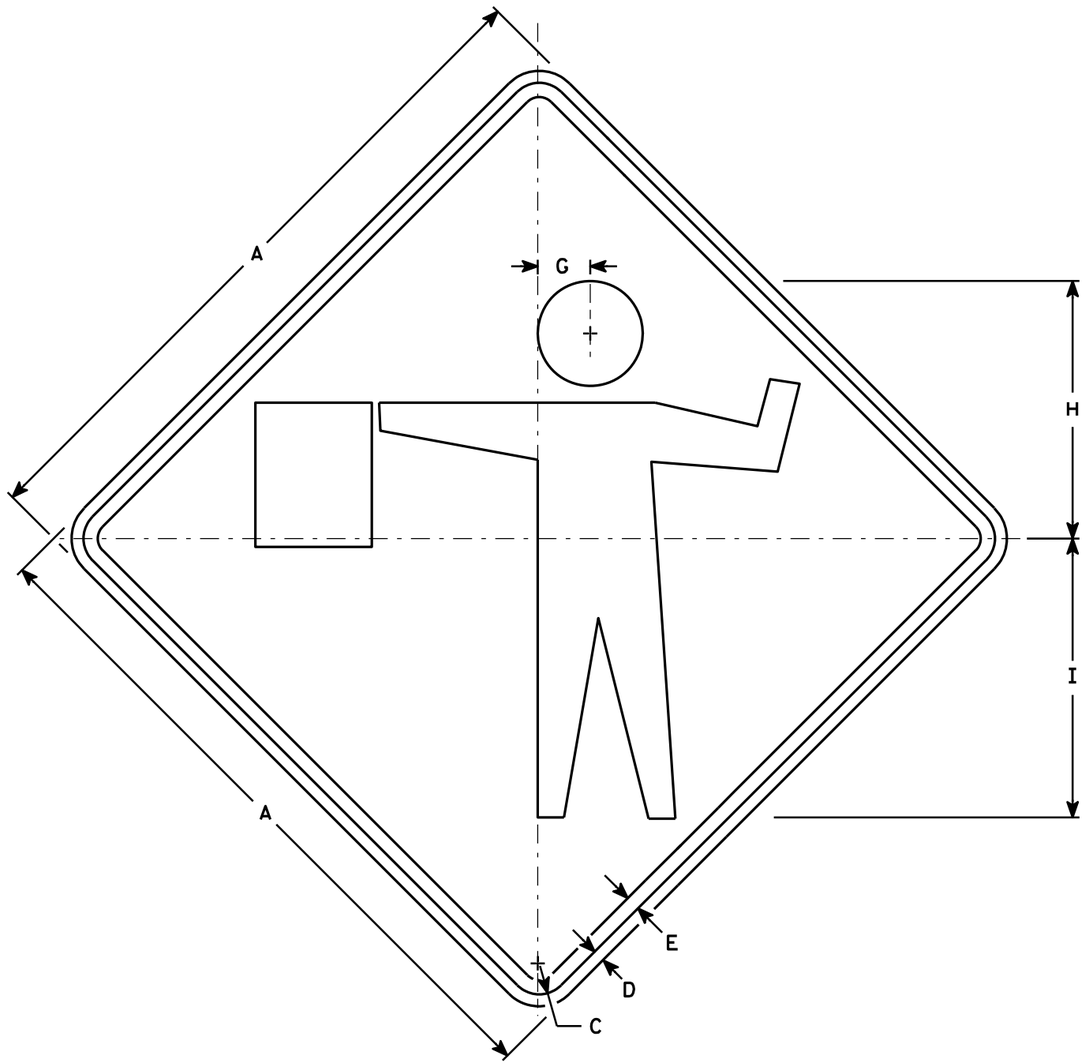
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 420	E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42



W20-7A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		2 3/4	13 1/2	14 5/8																		9.00
2S	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
2M	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
3	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
4	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
5	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00

STANDARD SIGN
W20-7A

WISCONSIN DEPT OF TRANSPORTATION

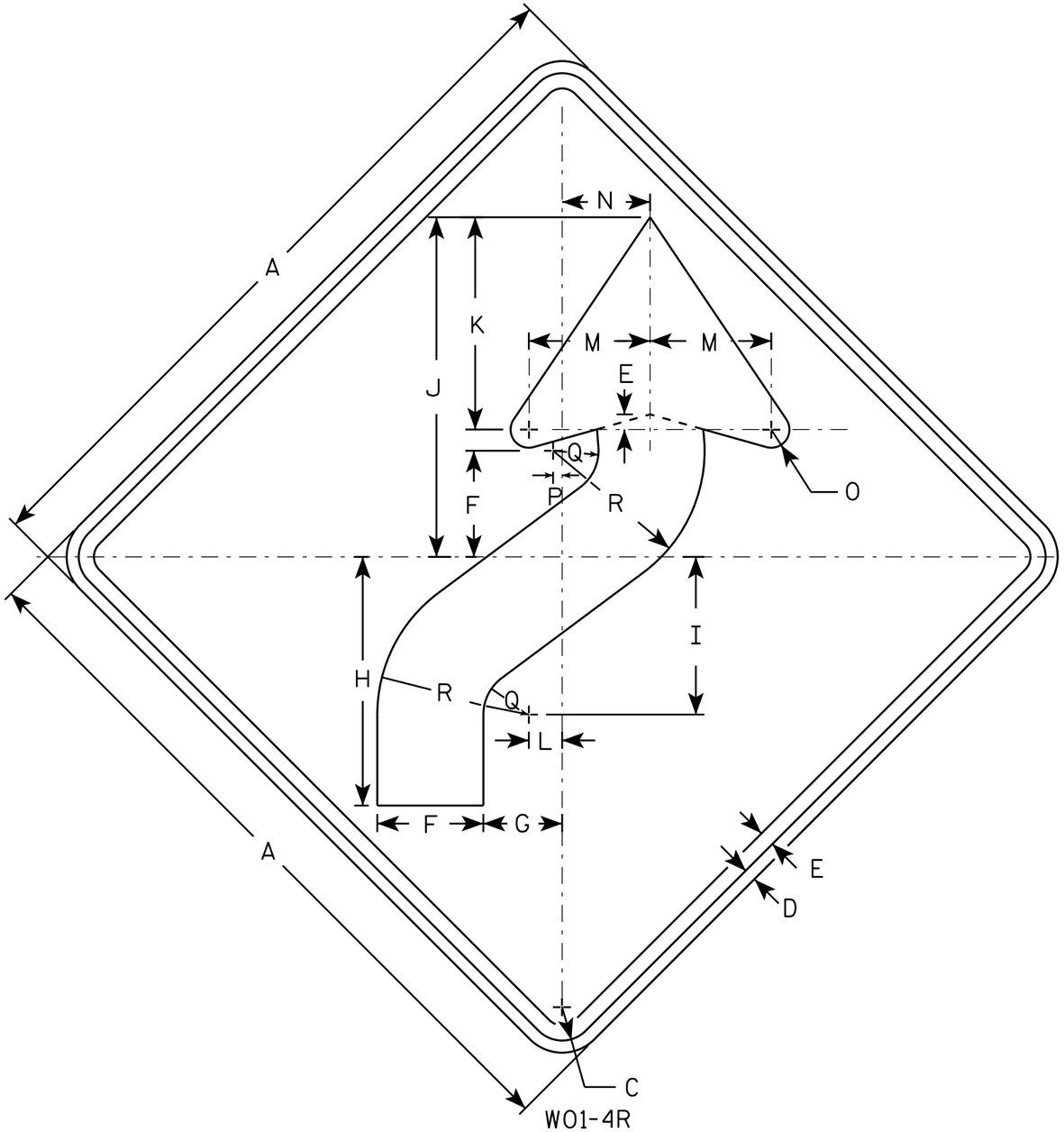
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-7A.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 421 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W207A.DGN PLOT DATE : 18-MAR-2011 13:14 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 7.945391:1.000000 WISDOT/CADDS SHEET 42



W01-4R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN
W01-4

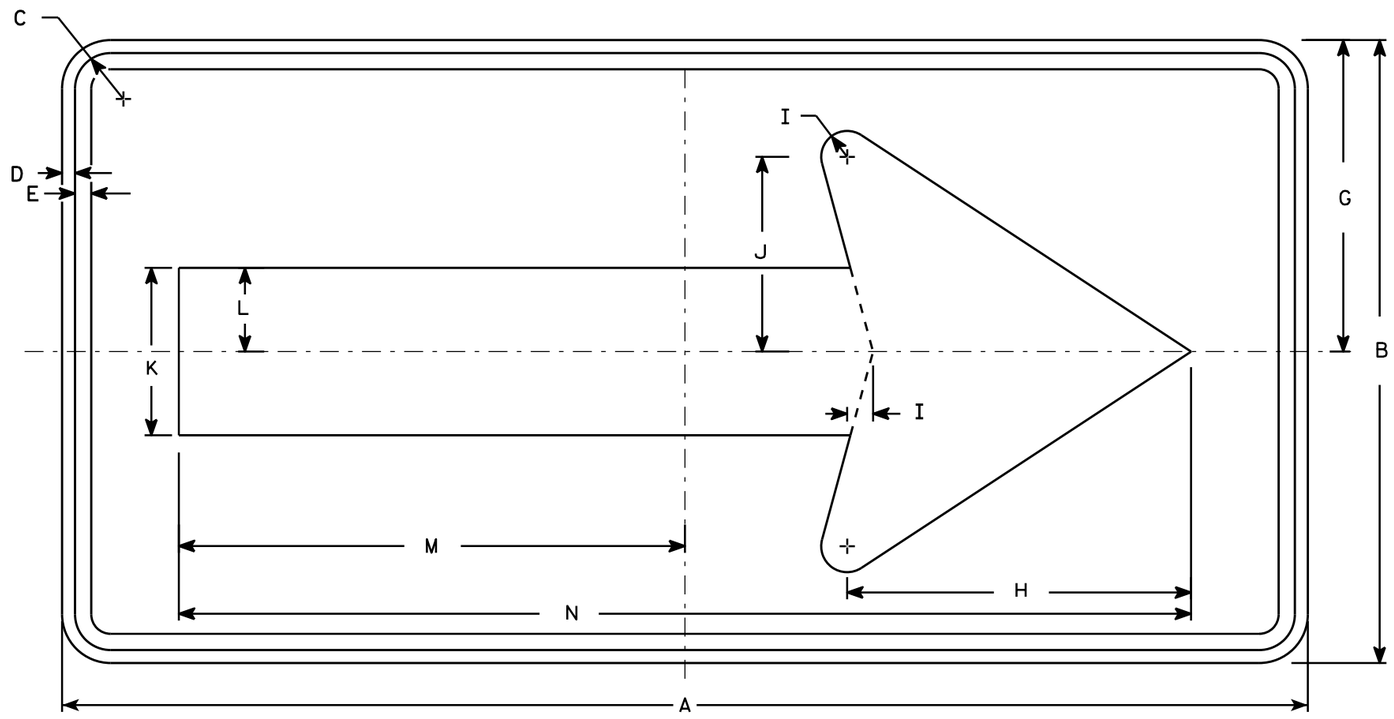
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-4.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.755110:1.000000
WISDOT/CADDS SHEET 42



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

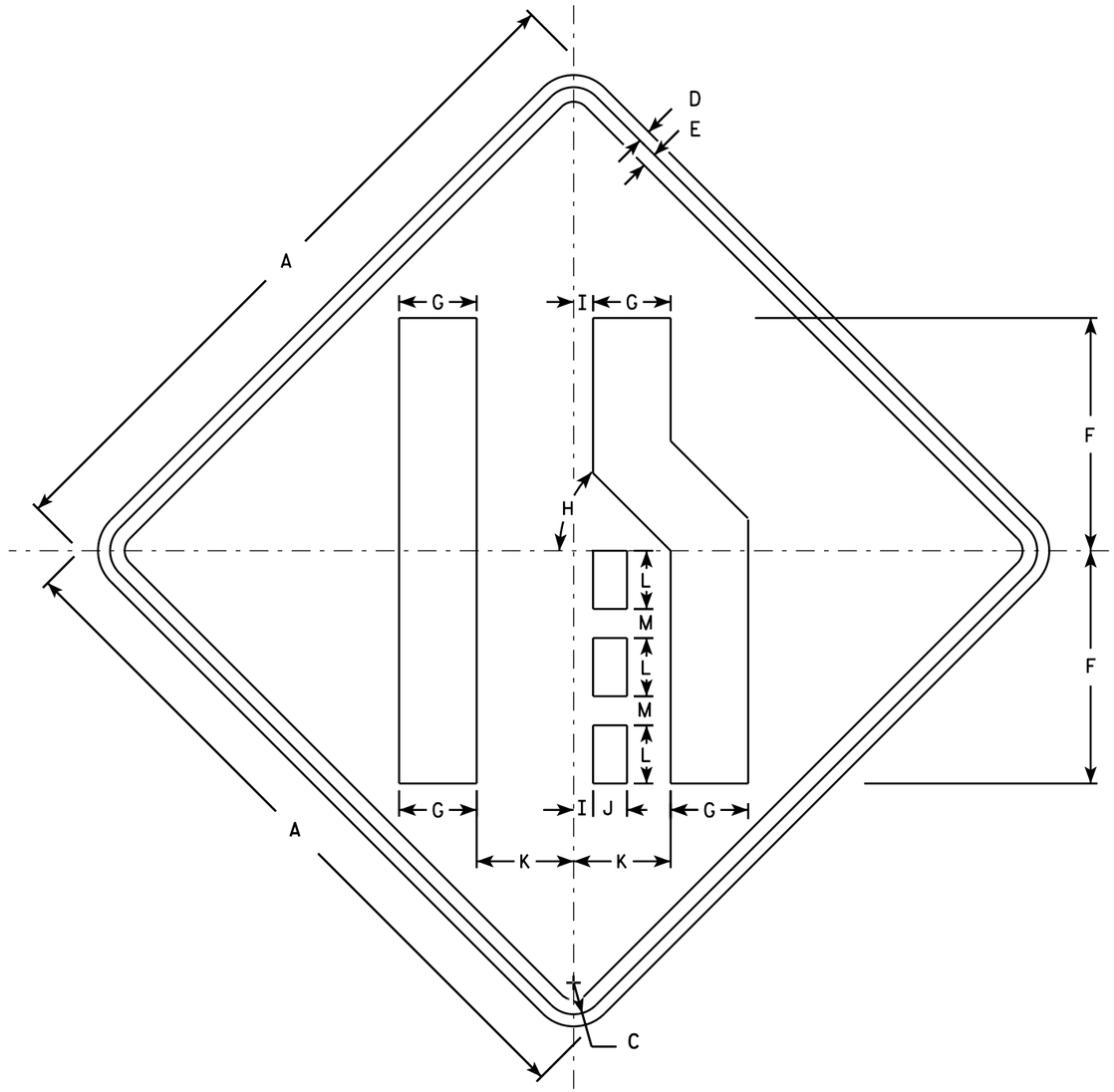
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE W01-6.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W04-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

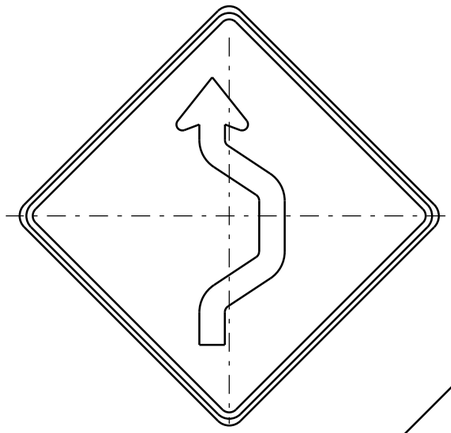
STANDARD SIGN
W04-2

WISCONSIN DEPT OF TRANSPORTATION

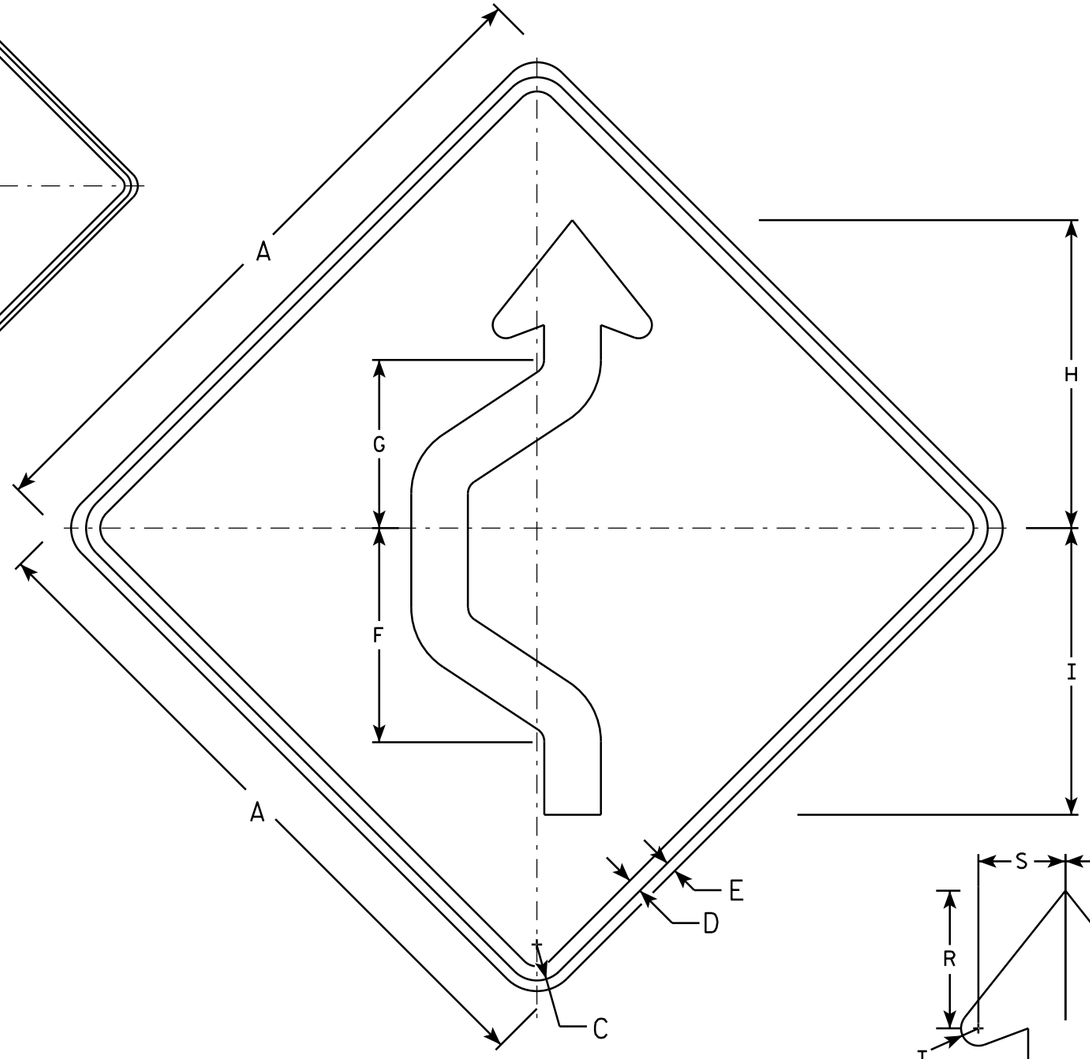
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 424 W04-2.1

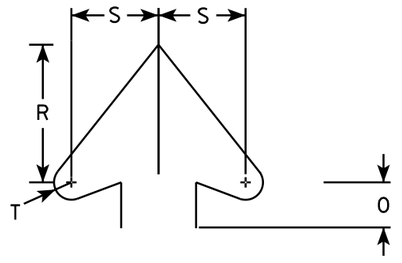
PROJECT NO: | SHEET NO: E



W024-1R



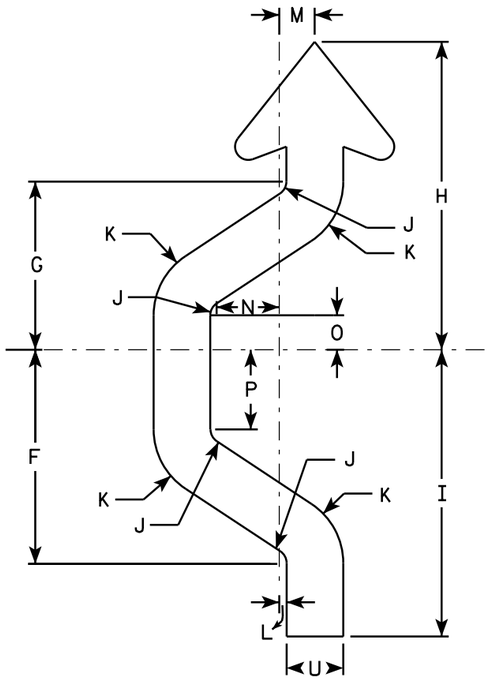
W024-1L



Arrowhead Detail

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W024-1R is the same as W024-1L except reversed along the vertical centerline.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 3/8	5/8	1/2	11 3/8	8 7/8	16 3/8	15 1/4	3/4	3 3/4	3/8	2	3 3/8	1 7/8	4 1/4		5 1/2	3 1/2	5/8	3						9
2S	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
2M	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
3	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
4	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16
5	48		2 1/4	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16

STANDARD SIGN
W024-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/25/2013 PLATE NO. W024-1.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W0241.DGN PLOT DATE : 25-SEP-2013 13:08 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 10.702132:1.000000 WISDOT/CADDS SHEET 42

CTH B NB FLAG LINE - STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.30	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		
348+29.93	34829.93	0.00	37.82	12.71	0.00	0	0	0	0	0	0
348+50.00	34850.00	20.07	48.98	14.68	0.00	32	10	0	32	0	22
348+70.25	34870.25	20.25	56.75	15.59	0.00	40	11	0	72	0	51
349+00.00	34900.00	29.75	67.90	12.43	0.00	69	15	0	141	0	105
349+20.35	34920.35	20.35	70.13	12.42	0.00	52	9	0	193	0	148
349+50.00	34950.00	29.65	77.52	12.35	0.00	81	14	0	274	0	215
349+65.35	34965.35	15.35	82.13	12.33	0.00	45	7	0	319	0	253
350+00.00	35000.00	34.65	91.00	12.30	0.00	111	16	0	430	0	348
350+50.00	35050.00	50.00	95.58	12.22	0.00	173	23	0	603	0	498
351+00.00	35100.00	50.00	95.07	12.17	0.00	177	23	0	780	0	652
351+50.00	35150.00	50.00	58.89	12.20	0.00	143	23	0	923	0	772
351+86.24	35186.24	36.24	57.79	12.24	0.00	78	16	0	1,001	0	834
352+00.00	35200.00	13.76	57.45	12.24	0.00	29	6	0	1,030	0	857
352+02.04	35202.04	2.04	57.43	12.24	0.00	4	1	0	1,034	0	860
352+50.00	35250.00	47.96	64.40	12.22	0.00	108	22	0	1,142	0	946
353+00.00	35300.00	50.00	72.44	12.21	0.00	127	23	0	1,269	0	1,050
353+50.00	35350.00	50.00	78.33	12.20	0.00	140	23	0	1,409	0	1,167
353+97.42	35397.42	47.42	80.61	13.48	0.00	140	23	0	1,549	0	1,284
354+00.00	35400.00	2.58	80.16	13.59	0.00	8	1	0	1,557	0	1,291
354+50.00	35450.00	50.00	70.09	15.91	0.02	139	27	0	1,696	0	1,403
355+00.00	35500.00	50.00	59.68	17.95	1.25	120	31	1	1,816	1	1,491
355+29.82	35529.82	29.82	54.98	18.77	1.94	63	20	2	1,879	4	1,531
355+45.82	35545.82	16.00	55.52	18.78	2.08	33	11	1	1,912	5	1,552
355+50.00	35550.00	4.18	55.43	18.78	2.11	9	3	0	1,921	5	1,558
356+00.00	35600.00	50.00	56.06	18.88	1.35	103	35	3	2,024	9	1,622
356+09.82	35609.82	9.82	56.47	18.90	1.08	20	7	0	2,044	9	1,635
356+10.00	35610.00	0.18	56.47	18.90	1.07	0	0	0	2,044	9	1,635
356+15.00	35615.00	5.00	56.57	18.91	0.98	10	4	0	2,054	9	1,641
356+20.00	35620.00	5.00	49.36	17.67	0.86	10	3	0	2,064	9	1,648
356+25.00	35625.00	5.00	50.18	17.23	0.74	9	3	0	2,073	9	1,654
356+30.00	35630.00	5.00	51.06	16.67	0.56	9	3	0	2,082	9	1,660
356+35.00	35635.00	5.00	51.39	16.36	0.32	9	3	0	2,091	9	1,666
356+40.00	35640.00	5.00	51.19	16.28	0.14	9	3	0	2,100	9	1,672
356+45.00	35645.00	5.00	50.85	16.30	0.04	9	3	0	2,109	9	1,678
356+50.00	35650.00	5.00	50.51	16.33	0.00	9	3	0	2,118	9	1,684
356+55.00	35655.00	5.00	50.53	16.38	0.00	9	3	0	2,127	9	1,690
356+60.00	35660.00	5.00	50.54	16.44	0.00	9	3	0	2,136	9	1,696
356+65.00	35665.00	5.00	50.55	16.51	0.00	9	3	0	2,145	9	1,702
356+70.00	35670.00	5.00	50.55	16.60	0.00	9	3	0	2,154	9	1,708
356+75.00	35675.00	5.00	50.54	16.70	0.00	9	3	0	2,163	9	1,714
356+80.00	35680.00	5.00	50.91	16.81	0.00	9	3	0	2,172	9	1,720
356+85.00	35685.00	5.00	51.21	16.97	0.00	9	3	0	2,181	9	1,726
356+90.00	35690.00	5.00	51.43	17.18	0.00	10	3	0	2,191	9	1,733
356+95.00	35695.00	5.00	51.56	17.44	0.00	10	3	0	2,201	9	1,740
357+00.00	35700.00	5.00	51.61	17.75	0.00	10	3	0	2,211	9	1,747

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

9

9

PROJECT NO: 7996-00-43 | HWY: CTH B | COUNTY: DUNN | EARTHWORK | SHEET E

FILE NAME : PLOT DATE : 11/29/2022 8:56 AM PLOT BY : CBS2 PLOT NAME : PLOT SCALE : 1:1

CONTINUED FROM PREVIOUS PAGE

CTH B NB FLAG LINE - STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.30	
357+05.00	35705.00	5.00	52.90	17.44	0.00	10	3	0	2,221	9	1,754
357+10.00	35710.00	5.00	55.60	16.00	0.00	10	3	0	2,231	9	1,761
357+15.00	35715.00	5.00	58.00	14.80	0.00	11	3	0	2,242	9	1,769
357+20.00	35720.00	5.00	60.26	13.86	0.00	11	3	0	2,253	9	1,777
357+25.00	35725.00	5.00	62.46	12.95	0.00	11	2	0	2,264	9	1,786
357+30.00	35730.00	5.00	64.24	12.14	0.00	12	2	0	2,276	9	1,796
357+35.00	35735.00	5.00	64.61	12.02	0.00	12	2	0	2,288	9	1,806
357+40.00	35740.00	5.00	64.56	11.58	0.00	12	2	0	2,300	9	1,816
357+45.00	35745.00	5.00	72.12	11.47	0.00	13	2	0	2,313	9	1,827
357+50.00	35750.00	5.00	66.35	11.54	0.00	13	2	0	2,326	9	1,838
357+54.96	35754.96	4.96	59.28	11.58	0.00	12	2	0	2,338	9	1,848
358+00.00	35800.00	45.04	44.50	11.88	0.00	87	20	0	2,425	9	1,915
358+50.00	35850.00	50.00	45.61	12.06	0.00	83	22	0	2,508	9	1,976
359+00.00	35900.00	50.00	46.36	12.08	0.00	85	22	0	2,593	9	2,039
359+50.00	35950.00	50.00	45.08	12.03	0.00	85	22	0	2,678	9	2,102
360+00.00	36000.00	50.00	44.93	11.98	0.00	83	22	0	2,761	9	2,163
360+35.74	36035.74	35.74	44.68	11.95	0.02	59	16	0	2,820	9	2,206
360+50.00	36050.00	14.26	46.07	11.96	0.00	24	6	0	2,844	9	2,224
360+70.52	36070.52	20.52	48.66	11.99	0.00	36	9	0	2,880	9	2,251
361+00.00	36100.00	29.48	44.63	12.04	0.00	51	13	0	2,931	9	2,289
361+26.62	36126.62	26.62	43.60	12.08	0.22	43	12	0	2,974	9	2,320
361+38.80	36138.80	12.18	43.41	12.10	0.10	20	5	0	2,994	9	2,335
361+50.00	36150.00	11.20	43.22	12.12	0.03	18	5	0	3,012	9	2,348
361+62.87	36162.87	12.87	43.00	12.14	0.01	21	6	0	3,033	9	2,363
362+00.00	36200.00	37.13	42.71	12.16	0.00	59	17	0	3,092	9	2,405
362+50.00	36250.00	50.00	42.28	12.11	0.00	79	22	0	3,171	9	2,462
363+00.00	36300.00	50.00	42.33	12.05	0.05	78	22	0	3,249	9	2,518
363+50.00	36350.00	50.00	43.79	12.02	0.00	80	22	0	3,329	9	2,576
364+00.00	36400.00	50.00	45.53	12.02	0.00	83	22	0	3,412	9	2,637
364+50.00	36450.00	50.00	46.39	12.03	0.10	85	22	0	3,497	9	2,700
365+00.00	36500.00	50.00	47.43	11.99	0.16	87	22	0	3,584	9	2,765
365+46.12	36546.12	46.12	48.18	11.86	0.00	82	20	0	3,666	9	2,827
365+50.00	36550.00	3.88	48.69	11.85	0.00	7	2	0	3,673	9	2,832
366+00.00	36600.00	50.00	55.57	11.71	0.00	97	22	0	3,770	9	2,907
366+50.00	36650.00	50.00	63.58	11.75	0.00	110	22	0	3,880	9	2,995
367+00.00	36700.00	50.00	69.61	11.82	0.00	123	22	0	4,003	9	3,096
367+50.00	36750.00	50.00	68.03	14.17	0.00	127	24	0	4,130	9	3,199
367+54.37	36754.37	4.37	67.55	14.37	0.00	11	2	0	4,141	9	3,208
368+00.00	36800.00	45.63	59.29	16.37	0.00	107	26	0	4,248	9	3,289
368+50.00	36850.00	50.00	48.91	18.74	0.43	100	33	0	4,348	9	3,356
368+63.35	36863.35	13.35	47.20	19.06	0.50	24	9	0	4,372	9	3,371
368+79.17	36879.17	15.82	46.21	18.98	0.52	27	11	0	4,399	9	3,387
369+00.00	36900.00	20.83	45.33	18.87	0.46	35	15	0	4,434	9	3,407
369+43.35	36943.35	43.35	43.70	18.52	0.28	71	30	1	4,505	10	3,447
369+45.00	36945.00	1.65	43.76	18.46	0.27	3	1	0	4,508	10	3,449

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

9

9

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	EARTHWORK	SHEET	E

FILE NAME : PLOT DATE : 11/29/2022 8:56 AM PLOT BY : CBS2 PLOT NAME : PLOT SCALE : 1:1

CONTINUED FROM PREVIOUS PAGE

CTH B NB FLAG LINE - STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.30	
369+50.00	36950.00	5.00	44.09	18.19	0.25	8	3	0	4,516	10	3,454
369+55.00	36955.00	5.00	44.86	17.84	0.23	8	3	0	4,524	10	3,459
369+60.00	36960.00	5.00	44.96	17.96	0.22	8	3	0	4,532	10	3,464
369+65.00	36965.00	5.00	40.36	16.18	0.22	8	3	0	4,540	10	3,469
369+70.00	36970.00	5.00	40.29	16.28	0.22	7	3	0	4,547	10	3,473
369+75.00	36975.00	5.00	40.02	16.40	0.23	7	3	0	4,554	10	3,477
369+80.00	36980.00	5.00	39.66	16.52	0.24	7	3	0	4,561	10	3,481
369+85.00	36985.00	5.00	39.21	16.65	0.26	7	3	0	4,568	10	3,485
369+90.00	36990.00	5.00	38.78	16.78	0.29	7	3	0	4,575	10	3,489
369+95.00	36995.00	5.00	38.37	16.90	0.33	7	3	0	4,582	10	3,493
370+00.00	37000.00	5.00	37.96	17.02	0.38	7	3	0	4,589	10	3,497
370+05.00	37005.00	5.00	37.72	17.13	0.43	7	3	0	4,596	10	3,501
370+10.00	37010.00	5.00	37.56	17.24	0.37	7	3	0	4,603	10	3,505
370+15.00	37015.00	5.00	37.40	17.35	0.25	7	3	0	4,610	10	3,509
370+20.00	37020.00	5.00	37.21	17.45	0.14	7	3	0	4,617	10	3,513
370+25.00	37025.00	5.00	37.00	17.55	0.07	7	3	0	4,624	10	3,517
370+30.00	37030.00	5.00	36.87	17.63	0.02	7	3	0	4,631	10	3,521
370+35.00	37035.00	5.00	36.66	17.75	0.00	7	3	0	4,638	10	3,525
370+40.00	37040.00	5.00	36.28	17.90	0.00	7	3	0	4,645	10	3,529
370+45.00	37045.00	5.00	37.13	17.37	0.00	7	3	0	4,652	10	3,533
370+50.00	37050.00	5.00	39.91	15.89	0.00	7	3	0	4,659	10	3,537
370+55.00	37055.00	5.00	42.36	14.74	0.00	8	3	0	4,667	10	3,542
370+60.00	37060.00	5.00	44.25	13.95	0.00	8	3	0	4,675	10	3,547
370+65.00	37065.00	5.00	46.13	13.19	0.00	8	3	0	4,683	10	3,552
370+70.00	37070.00	5.00	47.69	12.58	0.00	9	2	0	4,692	10	3,559
370+75.00	37075.00	5.00	55.69	12.04	0.00	10	2	0	4,702	10	3,567
370+80.00	37080.00	5.00	53.03	12.09	0.01	10	2	0	4,712	10	3,575
370+85.00	37085.00	5.00	47.18	11.85	0.01	9	2	0	4,721	10	3,582
370+90.00	37090.00	5.00	41.65	12.15	0.01	8	2	0	4,729	10	3,588
370+95.00	37095.00	5.00	37.83	12.36	0.02	7	2	0	4,736	10	3,593
371+00.00	37100.00	5.00	35.11	12.36	0.06	7	2	0	4,743	10	3,598
371+00.94	37100.94	0.94	34.81	12.36	0.07	1	0	0	4,744	10	3,599
371+50.00	37150.00	49.06	35.43	12.31	1.32	64	22	1	4,808	12	3,639
372+00.00	37200.00	50.00	41.49	12.27	2.46	71	23	4	4,879	17	3,682
372+15.46	37215.46	15.46	42.77	12.25	2.24	24	7	1	4,903	18	3,698
372+46.98	37246.98	31.52	46.10	12.25	1.61	52	14	2	4,955	21	3,733
372+50.00	37250.00	3.02	46.47	12.25	1.53	5	1	0	4,960	21	3,737
373+00.00	37300.00	50.00	52.44	12.25	0.23	92	23	2	5,052	23	3,804
373+06.76	37306.76	6.76	53.30	12.25	0.24	13	3	0	5,065	23	3,814
373+50.00	37350.00	43.24	62.84	12.25	0.00	93	20	0	5,158	23	3,887
374+00.00	37400.00	50.00	70.13	12.43	0.00	123	23	0	5,281	23	3,987
374+50.00	37450.00	50.00	71.16	14.49	0.32	131	25	0	5,412	23	4,093
375+00.00	37500.00	50.00	66.49	16.83	0.06	127	29	0	5,539	23	4,191
375+03.56	37503.56	3.56	65.78	16.99	0.04	9	2	0	5,548	23	4,198
375+34.66	37534.66	31.10	53.26	18.36	0.79	69	20	0	5,617	23	4,247

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

CONTINUED FROM PREVIOUS PAGE

CTH B NB FLAG LINE - STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.30	
375+50.00	37550.00	15.34	46.53	19.01	1.40	28	11	1	5,645	25	4,262
376+00.00	37600.00	50.00	48.01	19.26	1.98	88	35	3	5,733	29	4,311
376+33.00	37633.00	33.00	48.41	19.18	3.10	59	23	3	5,792	33	4,344
376+48.68	37648.68	15.68	47.32	19.15	4.10	28	11	2	5,820	35	4,358
376+50.00	37650.00	1.32	47.22	19.15	4.19	2	1	0	5,822	35	4,359
376+92.51	37692.51	42.51	41.94	18.96	4.51	70	30	7	5,892	44	4,390
376+95.00	37695.00	2.49	42.38	18.86	4.30	4	2	0	5,896	44	4,392
377+00.00	37700.00	5.00	43.50	18.60	3.90	8	3	1	5,904	46	4,396
377+05.00	37705.00	5.00	44.71	18.23	3.57	8	3	1	5,912	47	4,399
377+10.00	37710.00	5.00	46.27	17.78	3.25	8	3	1	5,920	48	4,403
377+15.00	37715.00	5.00	41.72	16.39	2.95	8	3	1	5,928	49	4,407
377+20.00	37720.00	5.00	42.68	16.37	2.69	8	3	1	5,936	51	4,410
377+25.00	37725.00	5.00	43.50	16.35	2.44	8	3	0	5,944	51	4,415
377+30.00	37730.00	5.00	43.99	16.34	2.24	8	3	0	5,952	51	4,420
377+35.00	37735.00	5.00	44.39	16.32	2.05	8	3	0	5,960	51	4,425
377+40.00	37740.00	5.00	44.74	16.30	1.87	8	3	0	5,968	51	4,430
377+45.00	37745.00	5.00	45.09	16.29	1.70	8	3	0	5,976	51	4,435
377+50.00	37750.00	5.00	45.44	16.27	1.54	8	3	0	5,984	51	4,440
377+55.00	37755.00	5.00	45.41	16.25	1.46	8	3	0	5,992	51	4,445
377+60.00	37760.00	5.00	45.37	16.24	1.38	8	3	0	6,000	51	4,450
377+65.00	37765.00	5.00	45.31	16.22	1.32	8	3	0	6,008	51	4,455
377+70.00	37770.00	5.00	45.25	16.20	1.26	8	3	0	6,016	51	4,460
377+75.00	37775.00	5.00	45.00	16.19	1.24	8	3	0	6,024	51	4,465
377+80.00	37780.00	5.00	44.48	16.17	1.28	8	3	0	6,032	51	4,470
377+85.00	37785.00	5.00	43.95	16.15	1.33	8	3	0	6,040	51	4,475
377+90.00	37790.00	5.00	43.36	16.18	1.38	8	3	0	6,048	51	4,480
377+95.00	37795.00	5.00	42.67	16.25	1.45	8	3	0	6,056	51	4,485
378+00.00	37800.00	5.00	41.79	16.44	1.52	8	3	0	6,064	51	4,490
378+05.00	37805.00	5.00	40.46	16.68	1.67	8	3	0	6,072	51	4,495
378+10.00	37810.00	5.00	41.55	15.86	1.82	8	3	0	6,080	51	4,500
378+15.00	37815.00	5.00	42.92	14.91	1.99	8	3	0	6,088	51	4,505
378+20.00	37820.00	5.00	44.36	14.08	2.16	8	3	0	6,096	51	4,510
378+25.00	37825.00	5.00	50.94	13.45	2.38	9	3	0	6,105	51	4,516
378+30.00	37830.00	5.00	46.23	13.27	2.47	9	2	0	6,114	51	4,523
378+35.00	37835.00	5.00	42.87	12.99	2.28	8	2	0	6,122	51	4,529
378+40.00	37840.00	5.00	41.11	12.49	2.16	8	2	0	6,130	51	4,535
378+45.00	37845.00	5.00	40.21	12.04	2.03	8	2	0	6,138	51	4,541
378+50.00	37850.00	5.00	39.42	12.07	1.90	7	2	0	6,145	51	4,546
378+55.00	37855.00	5.00	38.62	12.02	1.81	7	2	0	6,152	51	4,551
378+60.00	37860.00	5.00	37.73	12.13	1.71	7	2	0	6,159	51	4,556
378+65.00	37865.00	5.00	36.99	12.19	1.61	7	2	0	6,166	51	4,561
378+70.00	37870.00	5.00	37.58	12.19	1.53	7	2	0	6,173	51	4,566
378+75.00	37875.00	5.00	38.38	12.19	1.45	7	2	0	6,180	51	4,571
378+80.00	37880.00	5.00	39.01	12.20	1.40	7	2	0	6,187	51	4,576
378+85.00	37885.00	5.00	39.63	12.20	1.34	7	2	0	6,194	51	4,581

NOTES:	
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2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

CONTINUED FROM PREVIOUS PAGE

CTH B NB FLAG LINE - STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.30	
378+90.00	37890.00	5.00	40.25	12.20	1.27	7	2	0	6,201	51	4,586
378+95.00	37895.00	5.00	40.74	12.20	1.23	7	2	0	6,208	51	4,591
379+00.00	37900.00	5.00	41.20	12.20	1.19	8	2	0	6,216	51	4,597
379+05.00	37905.00	5.00	41.44	12.20	1.19	8	2	0	6,224	51	4,603
379+10.00	37910.00	5.00	41.68	12.21	1.18	8	2	0	6,232	51	4,609
379+12.30	37912.30	2.30	41.79	12.21	1.18	4	1	0	6,236	51	4,612
379+50.00	37950.00	37.70	42.27	12.22	1.13	59	17	2	6,295	53	4,652
380+00.00	38000.00	50.00	39.76	12.24	1.38	76	23	2	6,371	56	4,702
380+50.00	38050.00	50.00	38.02	12.25	1.50	72	23	3	6,443	60	4,747
380+66.16	38066.16	16.16	37.49	12.25	1.51	23	7	1	6,466	61	4,762
381+00.00	38100.00	33.84	37.02	12.26	0.68	47	15	1	6,513	62	4,793
381+50.00	38150.00	50.00	38.25	12.26	0.00	70	23	1	6,583	64	4,838
381+78.76	38178.76	28.76	39.26	12.26	0.00	41	13	0	6,624	64	4,866
381+91.18	38191.18	12.42	40.75	12.26	0.00	18	6	0	6,642	64	4,878
382+00.00	38200.00	8.82	41.90	12.26	0.00	14	4	0	6,656	64	4,888
382+16.18	38216.18	16.18	40.91	12.25	0.00	25	7	0	6,681	64	4,906
382+50.00	38250.00	33.82	38.46	12.25	0.05	50	15	0	6,731	64	4,941
383+00.00	38300.00	50.00	38.62	12.26	0.99	71	23	1	6,802	65	4,988
383+50.00	38350.00	50.00	35.11	12.27	0.92	68	23	2	6,870	68	5,030
383+54.88	38354.88	4.88	35.05	12.28	0.83	6	2	0	6,876	68	5,034
384+00.00	38400.00	45.12	35.10	12.29	0.00	59	21	1	6,935	69	5,071
384+50.00	38450.00	50.00	37.72	13.21	0.00	67	24	0	7,002	69	5,114
385+00.00	38500.00	50.00	41.48	13.23	0.00	73	24	0	7,075	69	5,163
385+50.00	38550.00	50.00	42.96	12.31	0.00	78	24	0	7,153	69	5,217
386+00.00	38600.00	50.00	43.21	12.32	0.22	80	23	0	7,233	69	5,274
386+50.00	38650.00	50.00	45.14	12.34	0.00	82	23	0	7,315	69	5,333
386+54.88	38654.88	4.88	45.51	12.34	0.00	8	2	0	7,323	69	5,339
387+00.00	38700.00	45.12	47.38	12.36	0.00	78	21	0	7,401	69	5,396
387+50.00	38750.00	50.00	47.27	12.35	0.00	88	23	0	7,489	69	5,461
388+00.00	38800.00	50.00	48.25	12.29	0.00	88	23	0	7,577	69	5,526
388+50.00	38850.00	50.00	47.89	12.24	0.00	89	23	0	7,666	69	5,592
389+00.00	38900.00	50.00	42.16	12.19	1.20	83	23	1	7,749	70	5,651
389+50.00	38950.00	50.00	34.79	12.16	2.26	71	23	3	7,820	74	5,695
390+00.00	39000.00	50.00	31.65	12.12	2.57	62	22	4	7,882	79	5,730
390+50.00	39050.00	50.00	29.68	12.12	1.27	57	22	4	7,939	85	5,760
391+00.00	39100.00	50.00	28.59	12.17	0.10	54	22	1	7,993	86	5,790
391+50.00	39150.00	50.00	28.35	12.22	0.30	53	23	0	8,046	86	5,820
392+00.00	39200.00	50.00	27.00	12.22	2.70	51	23	3	8,097	90	5,844
392+50.00	39250.00	50.00	25.29	12.21	7.29	48	23	9	8,145	101	5,858
393+00.00	39300.00	50.00	23.59	12.19	13.61	45	23	19	8,190	126	5,855
393+50.00	39350.00	50.00	25.39	12.18	8.99	45	23	21	8,235	153	5,850
394+00.00	39400.00	50.00	28.48	12.18	1.22	50	23	9	8,285	165	5,865
394+36.06	39436.06	36.06	27.09	12.18	2.38	37	16	2	8,322	168	5,883
394+50.00	39450.00	13.94	26.00	12.18	4.35	14	6	2	8,336	170	5,889
395+00.00	39500.00	50.00	27.06	12.20	3.71	49	23	7	8,385	179	5,906

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

CONTINUED FROM PREVIOUS PAGE

CTH B NB FLAG LINE - STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.30	
395+27.22	39527.22	27.22	29.59	12.21	3.26	29	12	4	8,414	185	5,917
395+50.00	39550.00	22.78	32.52	12.22	3.12	26	10	3	8,440	189	5,930
396+00.00	39600.00	50.00	34.40	12.25	3.10	62	23	6	8,502	196	5,961
396+50.00	39650.00	50.00	40.07	12.24	1.51	69	23	4	8,571	202	6,002
397+00.00	39700.00	50.00	46.06	11.90	1.34	80	22	3	8,651	205	6,056
397+50.00	39750.00	50.00	45.27	13.69	2.45	85	24	4	8,736	211	6,111
397+76.49	39776.49	26.49	43.37	16.26	3.68	43	15	3	8,779	215	6,136
397+81.42	39781.42	4.93	43.17	16.65	3.86	8	3	1	8,787	216	6,139
398+00.00	39800.00	18.58	42.54	17.91	4.78	29	12	3	8,816	220	6,152
398+15.73	39815.73	15.73	42.51	18.76	5.13	25	11	3	8,841	224	6,162
398+29.11	39829.11	13.38	43.64	19.58	5.46	21	9	3	8,862	228	6,171
398+50.00	39850.00	20.89	47.64	25.22	6.70	35	17	5	8,897	234	6,182
398+64.77	39864.77	14.77	52.62	25.52	8.48	27	14	4	8,924	239	6,190
398+74.56	39874.56	9.79	55.29	25.78	8.89	20	9	3	8,944	243	6,197
398+87.67	39887.67	13.11	61.18	25.63	7.73	28	12	4	8,972	248	6,208
399+00.00	39900.00	12.33	66.75	25.68	6.92	29	12	3	9,001	252	6,221
399+23.01	39923.01	23.01	65.01	30.97	6.53	56	24	6	9,057	260	6,245
399+25.00	39925.00	1.99	65.16	31.70	6.34	5	2	0	9,062	260	6,248
399+30.00	39930.00	5.00	54.90	40.68	7.16	11	7	1	9,073	261	6,251
399+35.00	39935.00	5.00	55.49	41.03	6.58	10	8	1	9,083	263	6,251
399+40.00	39940.00	5.00	48.81	37.55	9.35	10	7	1	9,093	264	6,253
399+45.00	39945.00	5.00	49.44	39.50	9.81	9	7	2	9,102	267	6,253
399+50.00	39950.00	5.00	49.58	39.93	10.71	9	7	2	9,111	269	6,252
399+55.00	39955.00	5.00	51.24	40.76	10.79	9	7	2	9,120	272	6,251
399+60.00	39960.00	5.00	54.23	42.07	12.10	10	8	2	9,130	274	6,251
399+65.00	39965.00	5.00	55.69	43.90	3.26	10	8	1	9,140	276	6,251
399+70.00	39970.00	5.00	54.70	46.13	0.00	10	8	0	9,150	276	6,253
399+75.00	39975.00	5.00	50.06	49.09	0.00	10	9	0	9,160	276	6,254
399+80.00	39980.00	5.00	40.41	53.19	0.00	8	9	0	9,168	276	6,253
399+85.00	39985.00	5.00	33.31	54.07	0.00	7	10	0	9,175	276	6,250
399+90.00	39990.00	5.00	31.71	50.79	0.00	6	10	0	9,181	276	6,246
399+95.00	39995.00	5.00	30.25	47.52	0.00	6	9	0	9,187	276	6,243
400+00.00	40000.00	5.00	29.65	46.64	0.00	6	9	0	9,193	276	6,240
400+05.00	40005.00	5.00	30.06	48.98	0.00	6	9	0	9,199	276	6,237
400+10.00	40010.00	5.00	30.35	51.33	0.00	6	9	0	9,205	276	6,234
400+15.00	40015.00	5.00	31.49	53.68	0.00	6	10	0	9,211	276	6,230
400+20.00	40020.00	5.00	33.70	56.02	0.00	6	10	0	9,217	276	6,226
400+25.00	40025.00	5.00	36.43	57.68	0.00	6	11	0	9,223	276	6,221
400+30.00	40030.00	5.00	50.90	49.88	0.00	8	10	0	9,231	276	6,219
400+35.00	40035.00	5.00	55.76	44.47	0.61	10	9	0	9,241	276	6,220
400+40.00	40040.00	5.00	49.92	40.89	2.81	10	8	0	9,251	276	6,222
400+45.00	40045.00	5.00	52.72	42.30	1.84	10	8	0	9,261	276	6,224
400+50.00	40050.00	5.00	53.09	40.71	1.66	10	8	0	9,271	276	6,226
400+55.00	40055.00	5.00	54.07	39.74	1.32	10	7	0	9,281	276	6,229
400+60.00	40060.00	5.00	56.09	39.32	0.90	10	7	0	9,291	276	6,232

NOTES:	
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2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

CONTINUED FROM PREVIOUS PAGE

CTH B NB FLAG LINE - STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.30	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		
400+65.00	40065.00	5.00	62.93	36.83	0.00	11	7	0	9,302	276	6,236
400+70.00	40070.00	5.00	69.83	30.68	0.00	12	6	0	9,314	276	6,242
400+75.00	40075.00	5.00	65.93	30.39	0.01	13	6	0	9,327	276	6,249
400+80.00	40080.00	5.00	63.82	30.29	0.33	12	6	0	9,339	276	6,255
400+85.00	40085.00	5.00	62.27	30.27	1.04	12	6	0	9,351	276	6,261
400+85.31	40085.31	0.31	62.20	30.26	1.10	1	0	0	9,352	276	6,262
401+00.00	40100.00	14.69	59.80	30.19	3.13	33	16	1	9,385	277	6,278
401+18.07	40118.07	18.07	50.92	26.36	2.58	37	19	2	9,422	280	6,294
401+29.36	40129.36	11.29	47.55	26.98	0.35	21	11	1	9,443	281	6,302
401+45.17	40145.17	15.81	46.89	27.89	1.33	28	16	0	9,471	281	6,314
401+50.00	40150.00	4.83	46.81	28.16	1.43	8	5	0	9,479	281	6,317
402+00.00	40200.00	50.00	44.28	31.06	0.00	84	55	1	9,563	282	6,345
402+50.00	40250.00	50.00	48.80	30.09	0.00	86	57	0	9,649	282	6,374
403+00.00	40300.00	50.00	54.45	30.44	0.00	96	56	0	9,745	282	6,414
403+11.89	40311.89	11.89	54.98	29.45	0.00	24	13	0	9,769	282	6,425
403+19.10	40319.10	7.21	55.35	28.92	0.00	15	8	0	9,784	282	6,432
403+50.00	40350.00	30.90	57.42	26.15	0.00	65	32	0	9,849	282	6,465
404+00.00	40400.00	50.00	62.27	22.27	0.00	111	45	0	9,960	282	6,531
404+19.67	40419.67	19.67	58.59	20.67	0.00	44	16	0	10,004	282	6,559
404+29.38	40429.38	9.71	48.72	20.63	0.00	19	7	0	10,023	282	6,571
404+49.00	40449.00	19.62	50.33	20.63	0.00	36	15	0	10,059	282	6,592
404+50.00	40450.00	1.00	50.42	20.63	0.00	2	1	0	10,061	282	6,593
404+55.61	40455.61	5.61	50.88	20.63	0.00	11	4	0	10,072	282	6,600
405+00.00	40500.00	44.39	54.54	20.62	0.00	87	34	0	10,159	282	6,653
405+50.00	40550.00	50.00	53.02	20.71	0.00	100	38	0	10,259	282	6,715
405+60.00	40560.00	10.00	52.36	20.72	0.00	20	8	0	10,279	282	6,727
406+00.00	40600.00	40.00	49.92	20.72	0.00	76	31	0	10,355	282	6,772
406+50.00	40650.00	50.00	46.86	20.75	0.00	90	38	0	10,445	282	6,824
407+00.00	40700.00	50.00	46.65	21.02	0.00	87	39	0	10,532	282	6,872
407+01.33	40701.33	1.33	46.67	21.08	0.00	2	1	0	10,534	282	6,873
407+32.14	40732.14	30.81	46.96	22.39	0.00	53	25	0	10,587	282	6,901
407+38.44	40738.44	6.30	47.02	22.66	0.00	11	5	0	10,598	282	6,907
407+50.00	40750.00	11.56	47.06	23.15	0.00	20	10	0	10,618	282	6,917
407+57.01	40757.01	7.01	47.08	23.45	0.00	12	6	0	10,630	282	6,923
407+78.36	40778.36	21.35	47.04	24.37	0.00	37	19	0	10,667	282	6,941
408+00.00	40800.00	21.64	46.81	25.20	0.00	38	20	0	10,705	282	6,959
408+38.17	40838.17	38.17	45.53	26.64	0.00	65	37	0	10,770	282	6,987
408+50.00	40850.00	11.83	45.07	27.09	0.00	20	12	0	10,790	282	6,995
409+00.00	40900.00	50.00	44.01	28.21	0.00	82	51	0	10,872	282	7,026
409+24.65	40924.65	24.65	44.14	28.26	0.00	40	26	0	10,912	282	7,040
409+50.00	40950.00	25.35	43.10	28.32	0.00	41	27	0	10,953	282	7,054
409+70.59	40970.59	20.59	6.57	1.25	0.00	19	11	0	10,972	282	7,062

NOTES:	
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2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

CTH B NB FLAG LINE -STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.30	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		
348+29.93	34829.93	0.00	45.76	22.87	0.00	0	0	0	0	0	0
348+50.00	34850.00	20.07	43.04	20.21	0.73	33	16	0	33	0	17
348+70.25	34870.25	20.25	42.61	19.05	0.13	32	15	0	65	0	34
349+00.00	34900.00	29.75	45.49	17.73	0.00	49	20	0	114	0	63
349+20.35	34920.35	20.35	46.88	16.77	0.30	35	13	0	149	0	85
349+50.00	34950.00	29.65	43.24	15.33	0.18	49	18	0	198	0	116
349+65.35	34965.35	15.35	41.46	14.50	0.07	24	8	0	222	0	132
350+00.00	35000.00	34.65	36.80	12.97	0.15	50	18	0	272	0	164
350+50.00	35050.00	50.00	36.05	12.22	0.01	67	23	0	339	0	208
351+00.00	35100.00	50.00	37.02	12.29	0.98	68	23	1	407	1	252
351+50.00	35150.00	50.00	51.18	12.29	2.54	82	23	3	489	5	307
351+86.24	35186.24	36.24	47.76	12.24	1.31	66	16	3	555	9	353
352+00.00	35200.00	13.76	49.97	12.22	0.09	25	6	0	580	9	372
352+02.04	35202.04	2.04	50.61	12.22	0.00	4	1	0	584	9	375
352+50.00	35250.00	47.96	71.43	12.25	0.00	108	22	0	692	9	461
353+00.00	35300.00	50.00	56.33	12.29	0.00	118	23	0	810	9	556
353+50.00	35350.00	50.00	54.97	12.25	0.00	103	23	0	913	9	636
353+97.42	35397.42	47.42	52.35	12.25	0.00	94	22	0	1,007	9	708
354+00.00	35400.00	2.58	52.10	12.24	0.00	5	1	0	1,012	9	712
354+50.00	35450.00	50.00	42.81	14.91	0.11	88	25	0	1,100	9	775
355+00.00	35500.00	50.00	40.89	12.37	3.27	78	25	3	1,178	13	824
355+29.82	35529.82	29.82	40.63	12.43	3.55	45	14	4	1,223	18	850
355+45.82	35545.82	16.00	41.30	12.47	2.72	24	7	2	1,247	21	864
355+50.00	35550.00	4.18	41.60	12.48	3.44	6	2	0	1,253	21	868
356+00.00	35600.00	50.00	41.42	13.02	5.78	77	24	9	1,330	33	910
356+09.82	35609.82	9.82	39.27	14.09	3.87	15	5	2	1,345	35	917
356+10.00	35610.00	0.18	40.40	14.11	3.83	0	0	0	1,345	35	917
356+15.00	35615.00	5.00	37.58	14.30	7.59	7	3	1	1,352	36	920
356+20.00	35620.00	5.00	41.91	15.77	8.45	7	3	1	1,359	38	922
356+25.00	35625.00	5.00	37.86	17.27	9.77	7	3	2	1,366	40	924
356+30.00	35630.00	5.00	37.45	17.71	12.61	7	3	2	1,373	43	925
356+35.00	35635.00	5.00	37.02	19.12	15.27	7	3	3	1,380	47	925
356+40.00	35640.00	5.00	36.23	21.64	12.02	7	4	3	1,387	51	924
356+45.00	35645.00	5.00	36.82	24.08	8.55	7	4	2	1,394	53	925
356+50.00	35650.00	5.00	39.68	26.63	2.21	7	5	1	1,401	55	925
356+55.00	35655.00	5.00	39.51	28.51	0.00	7	5	0	1,408	55	927
356+60.00	35660.00	5.00	40.85	26.12	0.00	7	5	0	1,415	55	929
356+65.00	35665.00	5.00	41.53	23.98	0.00	8	5	0	1,423	55	932
356+70.00	35670.00	5.00	41.38	22.08	0.00	8	4	0	1,431	55	936
356+75.00	35675.00	5.00	40.19	20.41	0.00	8	4	0	1,439	55	940
356+80.00	35680.00	5.00	38.05	18.94	0.00	7	4	0	1,446	55	943
356+85.00	35685.00	5.00	37.61	19.69	0.00	7	4	0	1,453	55	946
356+90.00	35690.00	5.00	38.37	21.58	0.00	7	4	0	1,460	55	949
356+95.00	35695.00	5.00	38.69	23.51	0.00	7	4	0	1,467	55	952
357+00.00	35700.00	5.00	38.63	25.37	0.00	7	5	0	1,474	55	954

NOTES:	
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2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

9

9

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	EARTHWORK	SHEET 433	E

FILE NAME : PLOT DATE : 11/29/2022 8:56 AM PLOT BY : CBS2 PLOT NAME : PLOT SCALE : 1:1

CONTINUED FROM PREVIOUS PAGE

CTH B NB FLAG LINE -STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/ UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.30	MASS ORDINATE
357+05.00	35705.00	5.00	44.16	24.14	0.00	8	5	0	1,482	55	957
357+10.00	35710.00	5.00	43.42	26.25	0.00	8	5	0	1,490	55	960
357+15.00	35715.00	5.00	43.79	25.60	4.00	8	5	0	1,498	55	963
357+20.00	35720.00	5.00	44.08	23.99	5.80	8	5	1	1,506	56	965
357+25.00	35725.00	5.00	45.27	22.12	4.97	8	4	1	1,514	57	968
357+30.00	35730.00	5.00	46.29	20.60	3.44	8	4	1	1,522	59	971
357+35.00	35735.00	5.00	46.91	19.52	2.14	9	4	1	1,531	60	974
357+40.00	35740.00	5.00	47.44	18.97	1.08	9	4	0	1,540	60	979
357+45.00	35745.00	5.00	40.94	18.34	0.65	8	3	0	1,548	60	984
357+50.00	35750.00	5.00	41.59	17.72	0.38	8	3	0	1,556	60	989
357+54.96	35754.96	4.96	43.33	17.30	0.22	8	3	0	1,564	60	994
358+00.00	35800.00	45.04	43.90	18.14	1.87	73	30	2	1,637	62	1,035
358+50.00	35850.00	50.00	43.77	17.84	1.82	81	33	3	1,718	66	1,079
359+00.00	35900.00	50.00	41.06	18.53	1.64	79	34	3	1,797	70	1,120
359+50.00	35950.00	50.00	42.88	17.94	1.32	78	34	3	1,875	74	1,160
360+00.00	36000.00	50.00	41.55	18.00	1.40	78	33	3	1,953	78	1,201
360+35.74	36035.74	35.74	41.87	17.86	0.00	55	24	1	2,008	79	1,231
360+50.00	36050.00	14.26	53.30	15.96	0.00	25	9	0	2,033	79	1,247
360+70.52	36070.52	20.52	52.71	15.34	0.00	40	12	0	2,073	79	1,275
361+00.00	36100.00	29.48	52.17	14.45	0.00	57	16	0	2,130	79	1,316
361+26.62	36126.62	26.62	49.08	13.65	0.00	50	14	0	2,180	79	1,352
361+38.80	36138.80	12.18	47.69	13.28	0.00	22	6	0	2,202	79	1,368
361+50.00	36150.00	11.20	46.17	12.94	0.00	19	5	0	2,221	79	1,382
361+62.87	36162.87	12.87	44.83	12.55	0.00	22	6	0	2,243	79	1,398
362+00.00	36200.00	37.13	44.15	12.29	0.43	61	17	0	2,304	79	1,442
362+50.00	36250.00	50.00	45.52	12.29	0.16	83	23	1	2,387	81	1,500
363+00.00	36300.00	50.00	45.29	12.23	0.42	84	23	1	2,471	82	1,560
363+50.00	36350.00	50.00	32.71	12.89	2.93	72	23	3	2,543	86	1,605
364+00.00	36400.00	50.00	39.07	12.74	4.16	66	24	7	2,609	95	1,638
364+50.00	36450.00	50.00	48.54	12.19	1.13	81	23	5	2,690	101	1,690
365+00.00	36500.00	50.00	48.08	12.18	0.05	89	23	1	2,779	103	1,754
365+46.12	36546.12	46.12	47.01	12.17	0.64	81	21	1	2,860	104	1,813
365+50.00	36550.00	3.88	46.91	12.17	0.73	7	2	0	2,867	104	1,818
366+00.00	36600.00	50.00	45.32	12.19	5.89	85	23	6	2,952	112	1,872
366+50.00	36650.00	50.00	45.06	12.29	5.32	84	23	10	3,036	125	1,920
367+00.00	36700.00	50.00	44.74	12.19	6.26	83	23	11	3,119	139	1,966
367+50.00	36750.00	50.00	42.00	12.11	7.96	80	23	13	3,199	156	2,006
367+54.37	36754.37	4.37	41.39	12.11	7.79	7	2	1	3,206	157	2,010
368+00.00	36800.00	45.63	39.26	12.07	2.23	68	20	8	3,274	168	2,047
368+50.00	36850.00	50.00	40.60	12.05	0.00	74	22	2	3,348	170	2,097
368+63.35	36863.35	13.35	40.57	12.05	0.00	20	6	0	3,368	170	2,111
368+79.17	36879.17	15.82	39.22	12.25	0.00	23	7	0	3,391	170	2,127
369+00.00	36900.00	20.83	39.13	12.52	0.52	30	10	0	3,421	170	2,147
369+43.35	36943.35	43.35	37.67	13.81	0.81	62	21	1	3,483	172	2,186
369+45.00	36945.00	1.65	37.25	13.91	4.23	2	1	0	3,485	172	2,187

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

CONTINUED FROM PREVIOUS PAGE

CTH B NB FLAG LINE -STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.30	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		
369+50.00	36950.00	5.00	36.46	14.11	13.46	7	3	2	3,492	174	2,189
369+55.00	36955.00	5.00	35.50	14.40	19.11	7	3	3	3,499	178	2,189
369+60.00	36960.00	5.00	32.71	15.22	21.97	6	3	4	3,505	183	2,187
369+65.00	36965.00	5.00	37.36	18.06	11.83	6	3	3	3,511	187	2,186
369+70.00	36970.00	5.00	40.84	18.61	4.31	7	3	1	3,518	189	2,189
369+75.00	36975.00	5.00	43.03	19.82	2.97	8	4	1	3,526	190	2,191
369+80.00	36980.00	5.00	45.66	21.91	2.83	8	4	1	3,534	191	2,194
369+85.00	36985.00	5.00	47.79	24.47	1.67	9	4	0	3,543	191	2,199
369+90.00	36990.00	5.00	45.72	27.44	0.00	9	5	0	3,552	191	2,203
369+95.00	36995.00	5.00	40.97	27.71	0.00	8	5	0	3,560	191	2,206
370+00.00	37000.00	5.00	40.87	25.50	0.00	8	5	0	3,568	191	2,209
370+05.00	37005.00	5.00	40.24	23.41	0.00	8	5	0	3,576	191	2,212
370+10.00	37010.00	5.00	39.02	21.45	0.00	7	4	0	3,583	191	2,215
370+15.00	37015.00	5.00	37.20	19.61	0.00	7	4	0	3,590	191	2,218
370+20.00	37020.00	5.00	34.21	17.94	0.00	7	3	0	3,597	191	2,222
370+25.00	37025.00	5.00	35.87	19.67	0.00	6	3	0	3,603	191	2,225
370+30.00	37030.00	5.00	36.52	21.59	0.00	7	4	0	3,610	191	2,228
370+35.00	37035.00	5.00	36.18	23.66	0.00	7	4	0	3,617	191	2,231
370+40.00	37040.00	5.00	38.73	24.33	0.00	7	4	0	3,624	191	2,234
370+45.00	37045.00	5.00	39.56	25.31	0.00	7	5	0	3,631	191	2,236
370+50.00	37050.00	5.00	37.47	27.80	0.00	7	5	0	3,638	191	2,238
370+55.00	37055.00	5.00	41.32	26.61	0.62	7	5	0	3,645	191	2,240
370+60.00	37060.00	5.00	40.65	23.62	2.31	8	5	0	3,653	191	2,243
370+65.00	37065.00	5.00	40.18	22.21	2.30	7	4	0	3,660	191	2,246
370+70.00	37070.00	5.00	40.80	20.82	1.78	7	4	0	3,667	191	2,249
370+75.00	37075.00	5.00	35.90	19.14	1.35	7	4	0	3,674	191	2,252
370+80.00	37080.00	5.00	35.59	18.43	1.16	7	3	0	3,681	191	2,256
370+85.00	37085.00	5.00	35.90	17.88	1.14	7	3	0	3,688	191	2,260
370+90.00	37090.00	5.00	36.53	17.32	1.14	7	3	0	3,695	191	2,264
370+95.00	37095.00	5.00	37.89	17.11	0.39	7	3	0	3,702	191	2,268
371+00.00	37100.00	5.00	39.04	17.01	0.00	7	3	0	3,709	191	2,272
371+00.94	37100.94	0.94	40.46	17.03	0.00	1	1	0	3,710	191	2,272
371+50.00	37150.00	49.06	43.33	14.69	3.47	76	29	3	3,786	195	2,315
372+00.00	37200.00	50.00	48.37	13.72	0.74	85	26	4	3,871	200	2,369
372+15.46	37215.46	15.46	49.12	13.43	0.01	28	8	0	3,899	200	2,389
372+46.98	37246.98	31.52	50.17	12.84	0.24	58	15	0	3,957	200	2,432
372+50.00	37250.00	3.02	50.25	12.77	0.22	6	1	0	3,963	200	2,437
373+00.00	37300.00	50.00	54.60	11.77	0.00	97	23	0	4,060	200	2,511
373+06.76	37306.76	6.76	54.70	11.88	0.00	14	3	0	4,074	200	2,522
373+50.00	37350.00	43.24	56.10	12.25	0.00	89	19	0	4,163	200	2,592
374+00.00	37400.00	50.00	58.47	12.17	0.01	106	23	0	4,269	200	2,675
374+50.00	37450.00	50.00	50.37	12.08	0.00	101	22	0	4,370	200	2,754
375+00.00	37500.00	50.00	37.79	12.07	3.76	82	22	3	4,452	204	2,810
375+03.56	37503.56	3.56	37.14	12.09	4.15	5	2	1	4,457	205	2,812
375+34.66	37534.66	31.10	43.50	12.24	0.00	46	14	2	4,503	208	2,841

NOTES:	
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2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

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CTH B NB FLAG LINE -STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.30	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		
375+50.00	37550.00	15.34	39.84	12.32	0.00	24	7	0	4,527	208	2,858
376+00.00	37600.00	50.00	33.52	12.87	0.00	68	23	0	4,595	208	2,903
376+33.00	37633.00	33.00	35.46	14.29	0.00	42	17	0	4,637	208	2,928
376+48.68	37648.68	15.68	37.15	15.10	0.00	21	9	0	4,658	208	2,940
376+50.00	37650.00	1.32	37.26	15.18	0.00	2	1	0	4,660	208	2,941
376+92.51	37692.51	42.51	29.70	17.91	0.48	53	26	0	4,713	208	2,968
376+95.00	37695.00	2.49	27.89	18.20	0.85	3	2	0	4,716	208	2,969
377+00.00	37700.00	5.00	25.40	17.53	2.89	5	3	0	4,721	208	2,971
377+05.00	37705.00	5.00	26.85	17.81	2.92	5	3	1	4,726	209	2,972
377+10.00	37710.00	5.00	29.47	18.04	2.04	5	3	0	4,731	209	2,974
377+15.00	37715.00	5.00	35.78	21.17	1.48	6	4	0	4,737	209	2,976
377+20.00	37720.00	5.00	40.22	22.08	0.98	7	4	0	4,744	209	2,979
377+25.00	37725.00	5.00	44.93	23.47	0.85	8	4	0	4,752	209	2,983
377+30.00	37730.00	5.00	50.24	25.27	0.75	9	5	0	4,761	209	2,987
377+35.00	37735.00	5.00	47.75	26.92	0.00	9	5	0	4,770	209	2,991
377+40.00	37740.00	5.00	46.59	25.64	0.00	9	5	0	4,779	209	2,995
377+45.00	37745.00	5.00	45.28	24.39	0.00	9	5	0	4,788	209	2,999
377+50.00	37750.00	5.00	43.88	23.15	0.00	8	4	0	4,796	209	3,003
377+55.00	37755.00	5.00	42.06	21.92	0.00	8	4	0	4,804	209	3,007
377+60.00	37760.00	5.00	40.11	20.70	0.00	8	4	0	4,812	209	3,011
377+65.00	37765.00	5.00	38.03	19.49	0.00	7	4	0	4,819	209	3,014
377+70.00	37770.00	5.00	35.82	18.30	0.00	7	3	0	4,826	209	3,018
377+75.00	37775.00	5.00	35.79	18.36	0.00	7	3	0	4,833	209	3,022
377+80.00	37780.00	5.00	37.59	18.99	0.00	7	3	0	4,840	209	3,026
377+85.00	37785.00	5.00	39.34	19.73	0.00	7	4	0	4,847	209	3,029
377+90.00	37790.00	5.00	41.05	20.54	0.00	7	4	0	4,854	209	3,032
377+95.00	37795.00	5.00	42.47	21.41	0.00	8	4	0	4,862	209	3,036
378+00.00	37800.00	5.00	41.88	22.59	0.00	8	4	0	4,870	209	3,040
378+05.00	37805.00	5.00	45.98	20.90	0.00	8	4	0	4,878	209	3,044
378+10.00	37810.00	5.00	44.00	22.17	0.00	8	4	0	4,886	209	3,048
378+15.00	37815.00	5.00	44.22	22.50	0.00	8	4	0	4,894	209	3,052
378+20.00	37820.00	5.00	44.83	24.28	0.00	8	4	0	4,902	209	3,056
378+25.00	37825.00	5.00	37.58	25.51	0.00	8	5	0	4,910	209	3,059
378+30.00	37830.00	5.00	38.39	26.53	0.00	7	5	0	4,917	209	3,061
378+35.00	37835.00	5.00	39.42	27.54	0.00	7	5	0	4,924	209	3,063
378+40.00	37840.00	5.00	42.53	27.14	0.13	8	5	0	4,932	209	3,066
378+45.00	37845.00	5.00	42.64	26.15	1.46	8	5	0	4,940	209	3,069
378+50.00	37850.00	5.00	42.65	25.33	1.37	8	5	0	4,948	209	3,072
378+55.00	37855.00	5.00	42.64	24.55	1.23	8	5	0	4,956	209	3,075
378+60.00	37860.00	5.00	42.45	23.83	1.09	8	4	0	4,964	209	3,079
378+65.00	37865.00	5.00	42.37	23.09	0.97	8	4	0	4,972	209	3,083
378+70.00	37870.00	5.00	42.37	22.35	0.92	8	4	0	4,980	209	3,087
378+75.00	37875.00	5.00	42.50	21.59	0.92	8	4	0	4,988	209	3,091
378+80.00	37880.00	5.00	42.29	20.89	0.98	8	4	0	4,996	209	3,095
378+85.00	37885.00	5.00	42.08	20.34	0.99	8	4	0	5,004	209	3,099

NOTES:	
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2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

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CTH B NB FLAG LINE -STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.30	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		
378+90.00	37890.00	5.00	41.67	20.03	0.89	8	4	0	5,012	209	3,103
378+95.00	37895.00	5.00	41.49	19.77	0.90	8	4	0	5,020	209	3,107
379+00.00	37900.00	5.00	41.36	19.52	1.16	8	4	0	5,028	209	3,111
379+05.00	37905.00	5.00	41.46	19.20	0.94	8	4	0	5,036	209	3,115
379+10.00	37910.00	5.00	42.45	18.90	0.18	8	4	0	5,044	209	3,119
379+12.30	37912.30	2.30	47.76	18.82	0.00	4	2	0	5,048	209	3,121
379+50.00	37950.00	37.70	50.87	16.54	0.00	69	25	0	5,117	209	3,165
380+00.00	38000.00	50.00	50.66	16.42	0.57	94	31	1	5,211	211	3,226
380+50.00	38050.00	50.00	49.29	15.56	4.09	93	30	4	5,304	216	3,284
380+66.16	38066.16	16.16	48.90	15.13	5.23	29	9	3	5,333	220	3,300
381+00.00	38100.00	33.84	45.02	14.19	4.10	59	18	6	5,392	228	3,334
381+50.00	38150.00	50.00	37.86	12.77	0.98	77	25	5	5,469	234	3,379
381+78.76	38178.76	28.76	32.76	14.32	0.61	38	14	1	5,507	235	3,402
381+91.18	38191.18	12.42	31.47	14.24	0.51	15	7	0	5,522	235	3,410
382+00.00	38200.00	8.82	30.76	14.19	0.57	10	5	0	5,532	235	3,415
382+16.18	38216.18	16.18	29.91	14.10	0.45	18	8	0	5,550	235	3,425
382+50.00	38250.00	33.82	30.06	13.98	0.55	38	18	1	5,588	237	3,443
383+00.00	38300.00	50.00	35.02	13.94	0.30	60	26	1	5,648	238	3,476
383+50.00	38350.00	50.00	38.84	13.82	0.30	68	26	1	5,716	239	3,517
383+54.88	38354.88	4.88	38.21	13.78	0.30	7	2	0	5,723	239	3,522
384+00.00	38400.00	45.12	33.99	13.47	0.93	60	23	1	5,783	241	3,558
384+50.00	38450.00	50.00	34.57	13.29	0.95	63	25	2	5,846	243	3,593
385+00.00	38500.00	50.00	39.32	12.44	0.28	68	24	1	5,914	244	3,636
385+50.00	38550.00	50.00	39.67	12.41	0.61	73	23	1	5,987	246	3,684
386+00.00	38600.00	50.00	39.54	12.39	0.97	73	23	1	6,060	247	3,733
386+50.00	38650.00	50.00	39.24	12.34	1.10	73	23	2	6,133	250	3,780
386+54.88	38654.88	4.88	39.23	12.33	1.11	7	2	0	6,140	250	3,785
387+00.00	38700.00	45.12	39.18	12.26	1.19	66	21	2	6,206	252	3,828
387+50.00	38750.00	50.00	39.31	12.16	0.54	73	23	2	6,279	255	3,875
388+00.00	38800.00	50.00	40.09	12.04	0.00	74	22	1	6,353	256	3,926
388+50.00	38850.00	50.00	40.70	11.99	0.00	75	22	0	6,428	256	3,979
389+00.00	38900.00	50.00	46.47	11.93	0.00	81	22	0	6,509	256	4,038
389+50.00	38950.00	50.00	49.35	11.87	0.00	89	22	0	6,598	256	4,105
390+00.00	39000.00	50.00	35.97	11.79	0.00	79	22	0	6,677	256	4,162
390+50.00	39050.00	50.00	27.94	11.72	0.00	59	22	0	6,736	256	4,199
391+00.00	39100.00	50.00	24.69	11.65	0.39	49	22	0	6,785	256	4,226
391+50.00	39150.00	50.00	23.00	11.58	0.22	44	22	1	6,829	257	4,247
392+00.00	39200.00	50.00	21.27	11.51	1.97	41	21	2	6,870	260	4,264
392+50.00	39250.00	50.00	20.12	11.45	14.58	38	21	15	6,908	280	4,262
393+00.00	39300.00	50.00	21.30	11.40	11.64	38	21	24	6,946	311	4,247
393+50.00	39350.00	50.00	22.76	11.35	7.87	41	21	18	6,987	334	4,244
394+00.00	39400.00	50.00	26.80	11.29	1.20	46	21	8	7,033	345	4,259
394+36.06	39436.06	36.06	30.28	11.23	0.00	38	15	1	7,071	346	4,280
394+50.00	39450.00	13.94	31.00	11.21	0.00	16	6	0	7,087	346	4,290
395+00.00	39500.00	50.00	28.09	11.12	0.00	55	21	0	7,142	346	4,324

NOTES:	
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2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

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CTH B NB FLAG LINE -STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
									1.00	1.30	
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		
395+27.22	39527.22	27.22	22.23	11.08	0.01	25	11	0	7,167	346	4,338
395+50.00	39550.00	22.78	24.85	11.06	0.05	20	9	0	7,187	346	4,349
396+00.00	39600.00	50.00	28.16	10.95	0.64	49	20	1	7,236	347	4,377
396+50.00	39650.00	50.00	24.43	10.45	2.49	49	20	3	7,285	351	4,402
397+00.00	39700.00	50.00	17.85	10.30	5.26	39	19	7	7,324	360	4,413
397+50.00	39750.00	50.00	15.48	10.65	8.24	31	19	13	7,355	377	4,408
397+76.49	39776.49	26.49	15.86	11.02	9.66	15	11	9	7,370	389	4,400
397+81.42	39781.42	4.93	15.94	11.12	9.90	3	2	2	7,373	391	4,399
398+00.00	39800.00	18.58	16.24	11.55	10.58	11	8	7	7,384	400	4,393
398+15.73	39815.73	15.73	16.63	12.07	10.52	10	7	6	7,394	408	4,388
398+29.11	39829.11	13.38	17.02	12.73	10.33	8	6	5	7,402	415	4,383
398+50.00	39850.00	20.89	17.66	13.79	9.34	13	10	8	7,415	425	4,376
398+64.77	39864.77	14.77	18.84	14.18	8.73	10	8	5	7,425	432	4,371
398+74.56	39874.56	9.79	19.71	14.24	8.82	7	5	3	7,432	436	4,370
398+87.67	39887.67	13.11	20.74	14.33	9.20	10	7	4	7,442	441	4,367
399+00.00	39900.00	12.33	21.55	14.40	12.95	10	7	5	7,452	447	4,364
399+23.01	39923.01	23.01	23.26	14.54	19.73	19	12	14	7,471	465	4,353
399+25.00	39925.00	1.99	24.43	14.55	17.92	2	1	1	7,473	467	4,352
399+30.00	39930.00	5.00	26.29	15.50	13.32	5	3	3	7,478	471	4,350
399+35.00	39935.00	5.00	21.68	23.75	4.56	4	4	2	7,482	473	4,348
399+40.00	39940.00	5.00	31.07	28.38	0.04	5	5	0	7,487	473	4,348
399+45.00	39945.00	5.00	31.97	29.67	0.62	6	5	0	7,493	473	4,349
399+50.00	39950.00	5.00	31.04	31.39	0.77	6	6	0	7,499	473	4,349
399+55.00	39955.00	5.00	30.28	33.60	1.38	6	6	0	7,505	473	4,349
399+60.00	39960.00	5.00	29.63	36.42	1.82	6	6	0	7,511	473	4,349
399+65.00	39965.00	5.00	29.32	40.01	1.98	5	7	0	7,516	473	4,347
399+70.00	39970.00	5.00	30.51	45.01	2.27	6	8	0	7,522	473	4,345
399+75.00	39975.00	5.00	35.55	52.83	6.45	6	9	1	7,528	475	4,341
399+80.00	39980.00	5.00	35.96	65.65	0.00	7	11	1	7,535	476	4,335
399+85.00	39985.00	5.00	34.57	61.28	0.00	7	12	0	7,542	476	4,330
399+90.00	39990.00	5.00	33.25	56.50	0.00	6	11	0	7,548	476	4,325
399+95.00	39995.00	5.00	31.40	51.71	0.00	6	10	0	7,554	476	4,321
400+00.00	40000.00	5.00	29.04	46.93	0.00	6	9	0	7,560	476	4,318
400+05.00	40005.00	5.00	26.12	42.15	0.00	5	8	0	7,565	476	4,315
400+10.00	40010.00	5.00	23.84	37.53	0.00	5	7	0	7,570	476	4,313
400+15.00	40015.00	5.00	27.64	43.50	0.00	5	8	0	7,575	476	4,310
400+20.00	40020.00	5.00	30.73	49.47	0.00	5	9	0	7,580	476	4,306
400+25.00	40025.00	5.00	34.38	55.44	0.00	6	10	0	7,586	476	4,302
400+30.00	40030.00	5.00	46.03	56.70	0.00	7	10	0	7,593	476	4,299
400+35.00	40035.00	5.00	67.59	49.23	0.00	11	10	0	7,604	476	4,300
400+40.00	40040.00	5.00	78.41	44.35	0.00	14	9	0	7,618	476	4,305
400+45.00	40045.00	5.00	69.05	36.77	0.36	14	8	0	7,632	476	4,311
400+50.00	40050.00	5.00	51.60	33.77	1.32	11	7	0	7,643	476	4,315
400+55.00	40055.00	5.00	36.57	31.40	4.54	8	6	1	7,651	477	4,316
400+60.00	40060.00	5.00	29.17	29.53	10.73	6	6	1	7,657	478	4,315

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

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CONTINUED FROM PREVIOUS PAGE

CTH B NB FLAG LINE -STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.30	
400+65.00	40065.00	5.00	28.11	28.08	16.96	5	5	3	7,662	482	4,311
400+70.00	40070.00	5.00	28.65	27.02	24.78	5	5	4	7,667	488	4,306
400+75.00	40075.00	5.00	30.38	26.36	8.41	5	5	3	7,672	491	4,302
400+80.00	40080.00	5.00	36.66	24.53	5.85	6	5	1	7,678	493	4,301
400+85.00	40085.00	5.00	37.49	24.52	1.64	7	5	1	7,685	494	4,302
400+85.31	40085.31	0.31	37.72	24.52	1.37	0	0	0	7,685	494	4,302
401+00.00	40100.00	14.69	38.45	24.50	0.00	21	13	0	7,706	494	4,310
401+18.07	40118.07	18.07	45.53	28.22	0.00	28	18	0	7,734	494	4,320
401+29.36	40129.36	11.29	44.12	27.63	0.00	19	12	0	7,753	494	4,327
401+45.17	40145.17	15.81	43.61	26.80	0.00	26	16	0	7,779	494	4,337
401+50.00	40150.00	4.83	43.48	26.55	0.00	8	5	0	7,787	494	4,340
402+00.00	40200.00	50.00	34.08	23.94	1.58	72	47	1	7,859	495	4,364
402+50.00	40250.00	50.00	34.01	21.34	1.97	63	42	3	7,922	499	4,381
403+00.00	40300.00	50.00	32.77	17.85	1.57	62	36	3	7,984	503	4,403
403+11.89	40311.89	11.89	33.26	18.03	3.89	15	8	1	7,999	504	4,409
403+19.10	40319.10	7.21	33.46	18.14	4.88	9	5	1	8,008	506	4,411
403+50.00	40350.00	30.90	34.61	18.66	5.58	39	21	6	8,047	514	4,422
404+00.00	40400.00	50.00	37.52	19.51	0.00	67	35	5	8,114	520	4,447
404+19.67	40419.67	19.67	40.80	21.11	0.00	29	15	0	8,143	520	4,461
404+29.38	40429.38	9.71	50.13	21.14	0.00	16	8	0	8,159	520	4,469
404+49.00	40449.00	19.62	47.67	21.15	0.00	36	15	0	8,195	520	4,490
404+50.00	40450.00	1.00	47.55	21.15	0.00	2	1	0	8,197	520	4,491
404+55.61	40455.61	5.61	46.85	21.15	0.00	10	4	0	8,207	520	4,497
405+00.00	40500.00	44.39	46.67	21.06	0.00	77	35	0	8,284	520	4,539
405+50.00	40550.00	50.00	46.60	21.02	0.00	86	39	0	8,370	520	4,586
405+60.00	40560.00	10.00	46.55	21.05	0.00	17	8	0	8,387	520	4,595
406+00.00	40600.00	40.00	46.30	21.20	0.00	69	31	0	8,456	520	4,633
406+50.00	40650.00	50.00	45.42	21.19	0.00	85	39	0	8,541	520	4,679
407+00.00	40700.00	50.00	43.77	21.10	0.00	83	39	0	8,624	520	4,723
407+01.33	40701.33	1.33	43.73	21.10	0.00	2	1	0	8,626	520	4,724
407+32.14	40732.14	30.81	42.83	21.04	0.00	49	24	0	8,675	520	4,749
407+38.44	40738.44	6.30	42.65	21.03	0.00	10	5	0	8,685	520	4,754
407+50.00	40750.00	11.56	42.34	21.01	0.00	18	9	0	8,703	520	4,763
407+57.01	40757.01	7.01	42.16	20.99	0.00	11	5	0	8,714	520	4,769
407+78.36	40778.36	21.35	41.63	20.96	0.00	33	17	0	8,747	520	4,785
408+00.00	40800.00	21.64	40.03	20.92	0.00	33	17	0	8,780	520	4,801
408+38.17	40838.17	38.17	6.53	1.38	0.00	33	16	0	8,813	520	4,818
408+50.00	40850.00	11.83	6.56	1.33	0.00	3	1	0	8,816	520	4,820
409+00.00	40900.00	50.00	6.91	1.00	0.00	12	2	0	8,828	520	4,830
409+24.65	40924.65	24.65	7.06	0.87	0.00	6	1	0	8,834	520	4,835
409+50.00	40950.00	25.35	6.87	1.00	0.00	7	1	0	8,841	520	4,841
409+70.59	40970.59	20.59	6.54	1.26	0.00	5	1	0	8,846	520	4,845

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

578TH AVE - STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.30	
10+77.85	1077.85	0.00	47.17	1.25	0.00	0	0	0	0	0	0
10+80.00	1080.00	2.15	34.86	12.99	0.10	3	1	0	3	0	2
10+85.00	1085.00	5.00	33.19	13.84	0.38	6	2	0	9	0	6
10+90.00	1090.00	5.00	30.39	15.60	1.96	6	3	0	15	0	9
10+95.00	1095.00	5.00	29.69	16.27	2.43	6	3	0	21	0	12
11+00.00	1100.00	5.00	29.61	17.04	2.91	5	3	0	26	0	14
11+05.00	1105.00	5.00	28.37	19.71	3.94	5	3	1	31	1	15
11+10.00	1110.00	5.00	26.91	22.54	7.19	5	4	1	36	3	14
11+15.00	1115.00	5.00	23.02	24.44	0.00	5	4	1	41	4	14
11+20.00	1120.00	5.00	19.64	19.09	0.00	4	4	0	45	4	14
11+25.00	1125.00	5.00	15.44	13.95	0.00	3	3	0	48	4	14
11+30.00	1130.00	5.00	10.78	8.98	0.00	2	2	0	50	4	14
11+35.00	1135.00	5.00	5.35	4.15	0.00	1	1	0	51	4	14
11+39.36	1139.36	4.36	0.00	0.00	0.00	0	0	0	51	4	14

WALTON AVE - STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.30	
10+80.30	1080.30	0.00	55.34	1.87	0.03	0	0	0	0	0	0
10+85.00	1085.00	4.70	38.43	16.54	0.07	8	2	0	8	0	6
10+90.00	1090.00	5.00	37.10	16.23	0.15	7	3	0	15	0	10
10+95.00	1095.00	5.00	36.96	16.15	0.48	7	3	0	22	0	14
11+00.00	1100.00	5.00	36.15	16.63	1.06	7	3	0	29	0	18
11+05.00	1105.00	5.00	36.63	17.40	1.45	7	3	0	36	0	22
11+10.00	1110.00	5.00	36.96	19.26	1.92	7	3	0	43	0	26
11+15.00	1115.00	5.00	36.93	22.03	2.48	7	4	0	50	0	29
11+20.00	1120.00	5.00	28.43	25.10	0.00	6	4	0	56	0	31
11+25.00	1125.00	5.00	23.21	20.88	0.00	5	4	0	61	0	32
11+30.00	1130.00	5.00	19.86	15.39	0.00	4	3	0	65	0	33
11+35.00	1135.00	5.00	14.89	10.08	0.00	3	2	0	68	0	34
11+40.00	1140.00	5.00	8.27	4.93	0.00	2	1	0	70	0	35
11+45.00	1145.00	5.00	0.00	0.00	0.00	1	0	0	71	0	36

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

DISTRIBUTION CENTER DR - STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.30	
12+62.61	1262.61	0.00	36.30	12.97	0.34	0	0	0	0	0	0
12+65.00	1265.00	2.39	66.62	26.73	0.45	5	2	0	5	0	3
12+70.00	1270.00	5.00	69.34	29.20	0.84	13	5	0	18	0	11
12+75.00	1275.00	5.00	74.86	30.70	1.79	13	6	0	31	0	18
12+80.00	1280.00	5.00	81.36	34.44	3.20	14	6	0	45	0	26
12+85.00	1285.00	5.00	87.07	39.77	3.39	16	7	1	61	1	34
12+90.00	1290.00	5.00	75.32	38.81	0.00	15	7	0	76	1	42
12+95.00	1295.00	5.00	62.92	28.50	0.00	13	6	0	89	1	49
13+00.00	1300.00	5.00	44.97	18.84	0.00	10	4	0	99	1	55
13+05.00	1305.00	5.00	21.54	9.51	0.00	6	3	0	105	1	58
13+09.99	1309.99	4.99	0.00	0.00	0.00	2	1	0	107	1	59

3M DR - STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.30	
14+59.14	1459.14	0.00	49.58	18.29	0.08	0	0	0	0	0	0
14+60.00	1460.00	0.86	49.96	18.29	0.08	2	1	0	2	0	1
14+65.00	1465.00	5.00	52.23	18.38	0.08	9	3	0	11	0	7
14+70.00	1470.00	5.00	52.30	18.59	0.08	10	3	0	21	0	14
14+75.00	1475.00	5.00	52.40	18.90	0.09	10	3	0	31	0	21
14+80.00	1480.00	5.00	52.59	19.33	0.15	10	4	0	41	0	27
14+85.00	1485.00	5.00	51.80	21.26	0.34	10	4	0	51	0	33
14+90.00	1490.00	5.00	52.36	22.35	0.40	10	4	0	61	0	39
14+95.00	1495.00	5.00	53.00	23.54	0.36	10	4	0	71	0	45
15+00.00	1500.00	5.00	53.70	24.82	0.31	10	4	0	81	0	51
15+05.00	1505.00	5.00	54.42	26.19	0.27	10	5	0	91	0	56
15+10.00	1510.00	5.00	54.94	27.66	0.25	10	5	0	101	0	61
15+15.00	1515.00	5.00	54.24	29.22	0.31	10	5	0	111	0	66
15+20.00	1520.00	5.00	52.77	30.88	0.41	10	6	0	121	0	70
15+25.00	1525.00	5.00	50.32	34.64	0.56	10	6	0	131	0	74
15+30.00	1530.00	5.00	48.03	35.33	0.21	9	6	0	140	0	77
15+35.00	1535.00	5.00	40.22	35.09	0.00	8	7	0	148	0	78
15+40.00	1540.00	5.00	32.47	32.65	0.00	7	6	0	155	0	79
15+45.00	1545.00	5.00	23.40	30.61	0.00	5	6	0	160	0	78
15+50.00	1550.00	5.00	17.90	26.16	0.00	4	5	0	164	0	77
15+55.00	1555.00	5.00	13.76	20.90	0.00	3	4	0	167	0	76
15+60.00	1560.00	5.00	9.53	15.64	0.00	2	3	0	169	0	75
15+65.00	1565.00	5.00	6.23	10.37	0.00	1	2	0	170	0	74
15+70.00	1570.00	5.00	3.17	5.12	0.00	1	1	0	171	0	74
15+74.88	1574.88	4.88	0.00	0.00	0.00	0	0	0	171	0	74

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

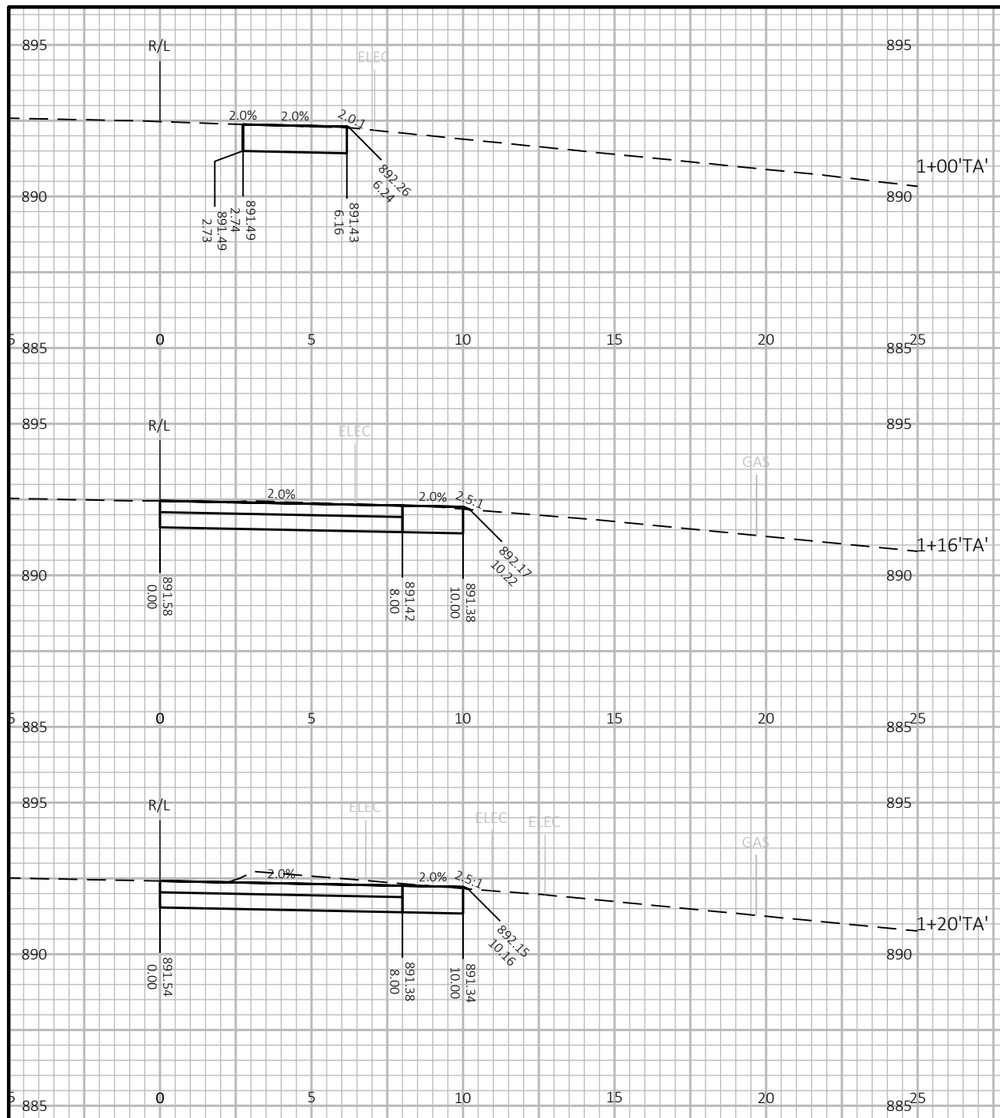
610TH AVE - STAGE 2

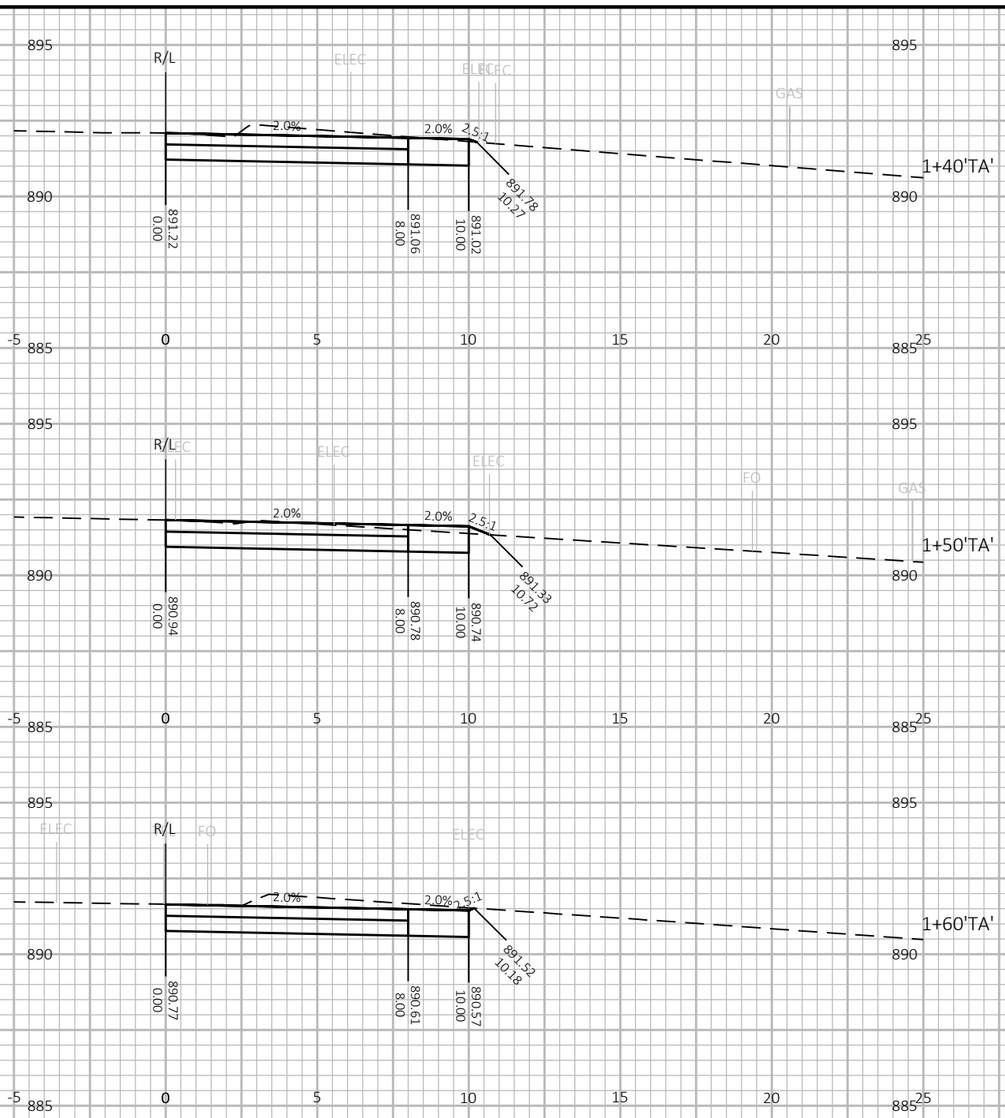
STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/ UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		
10+36.00	1036.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0
10+40.00	1040.00	4.00	2.48	8.05	0.00	0	1	0	0	0	-1
10+45.00	1045.00	5.00	5.13	18.11	0.00	1	2	0	1	0	-2
10+50.00	1050.00	5.00	12.72	26.15	0.00	2	4	0	3	0	-4
10+55.00	1055.00	5.00	25.10	29.57	0.00	4	5	0	7	0	-5
10+60.00	1060.00	5.00	38.07	28.28	0.00	6	5	0	13	0	-4
10+65.00	1065.00	5.00	39.81	27.03	8.37	7	5	1	20	1	-3
10+70.00	1070.00	5.00	40.68	25.56	10.04	7	5	2	27	4	-4
10+75.00	1075.00	5.00	40.07	24.21	12.46	7	5	2	34	7	-5
10+80.00	1080.00	5.00	43.97	22.99	13.09	8	4	2	42	9	-3
10+85.00	1085.00	5.00	58.35	11.65	11.57	9	3	2	51	12	0
10+90.00	1090.00	5.00	59.64	11.42	10.20	11	2	2	62	14	7
10+95.00	1095.00	5.00	62.67	11.20	10.30	11	2	2	73	17	13
10+96.47	1096.47	1.47	63.86	11.14	10.26	3	1	1	76	18	14
11+00.00	1100.00	3.53	49.14	10.98	12.30	7	1	1	83	20	19
11+05.80	1105.80	5.80	45.46	10.60	15.79	10	2	3	93	23	23
11+26.51	1126.51	20.71	33.00	9.53	31.38	30	8	18	123	47	21
11+50.00	1150.00	23.49	33.62	9.21	41.74	29	8	32	152	88	1
12+00.00	1200.00	50.00	29.47	9.09	31.27	58	17	68	210	177	-47
12+50.00	1250.00	50.00	25.71	8.95	28.71	51	17	56	261	250	-86
12+75.00	1275.00	25.00	16.01	8.89	0.11	19	8	13	280	267	-92

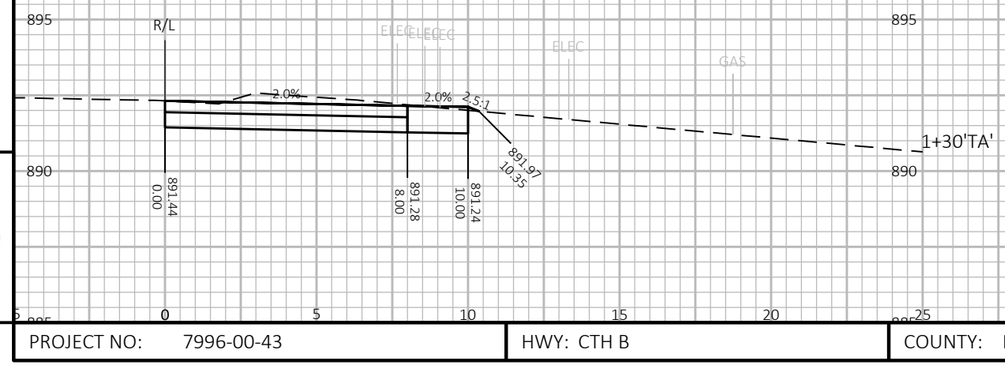
NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

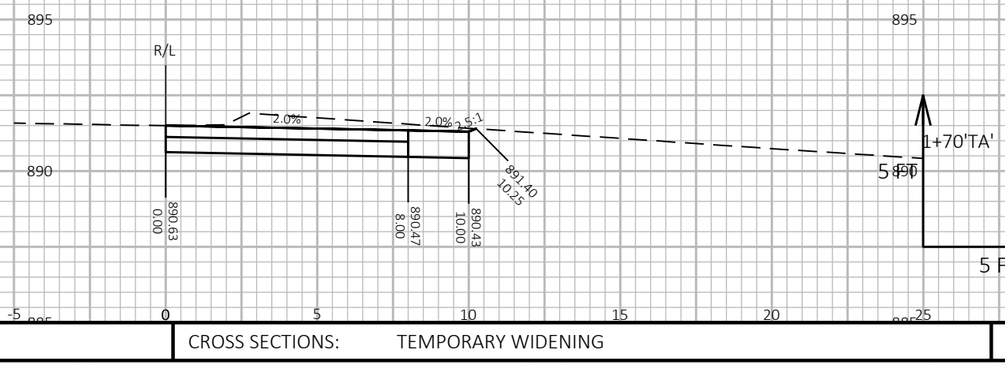
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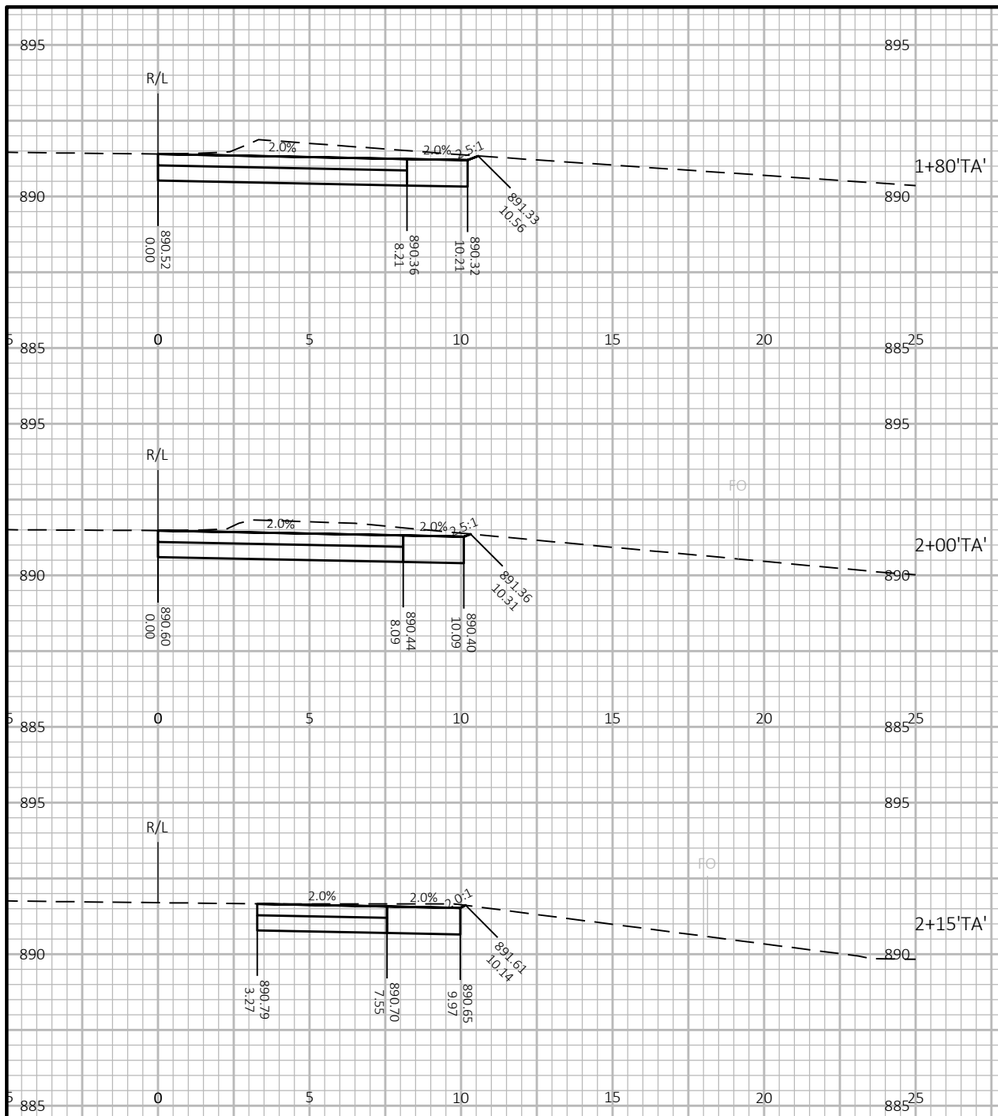
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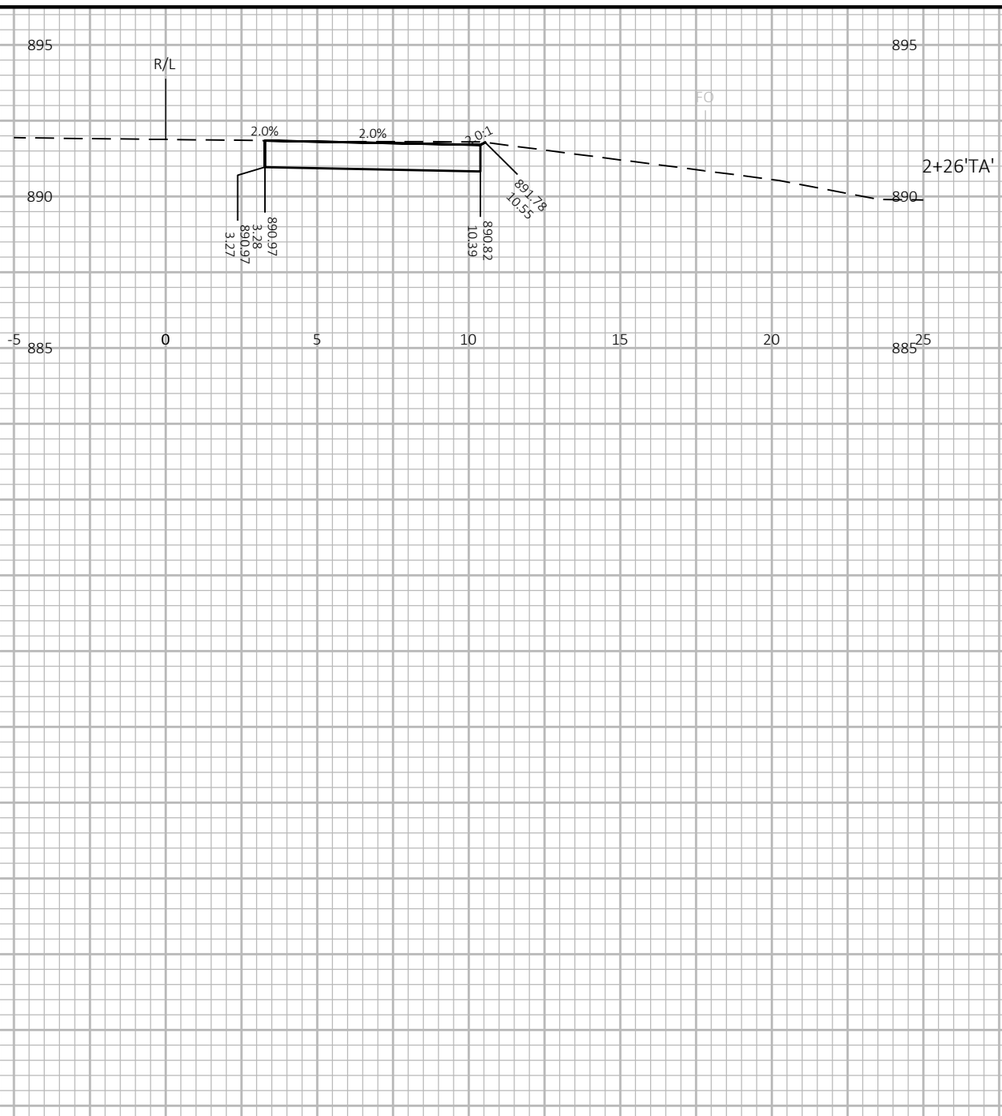
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 443	E

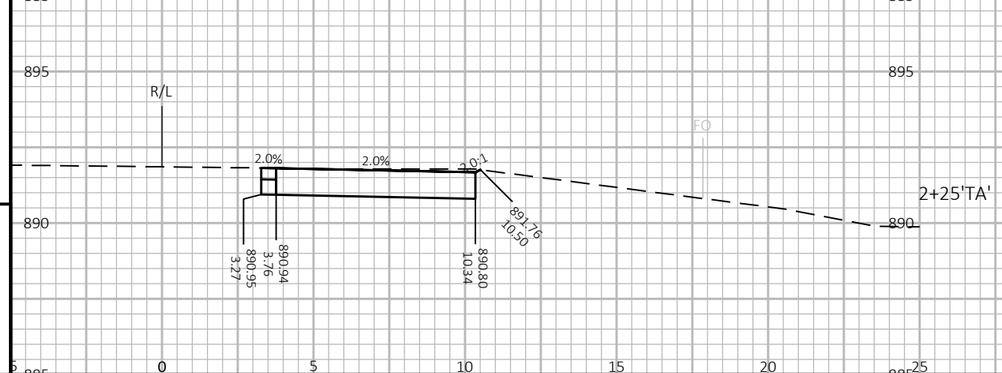
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090203-XS-TEMPWIDE.DWG
LAYOUT NAME - US12-NE-01

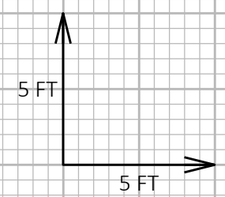
PLOT DATE : 11/29/2022 11:54 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49









9

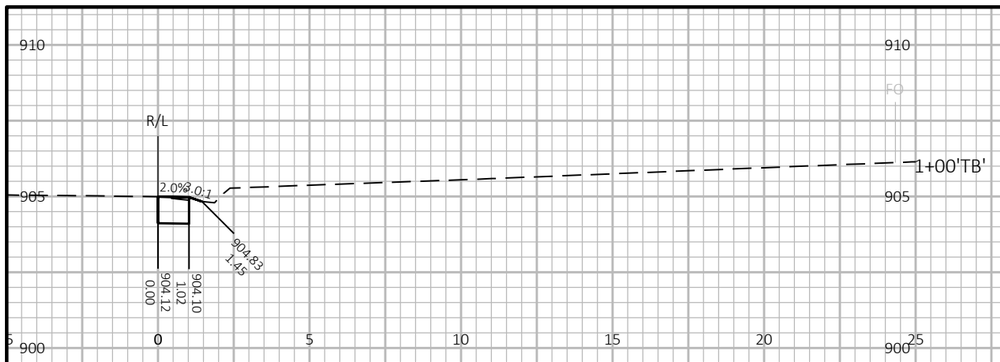
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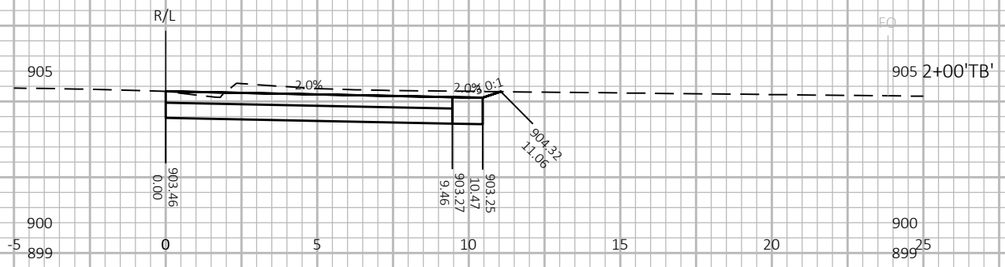
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 444	E

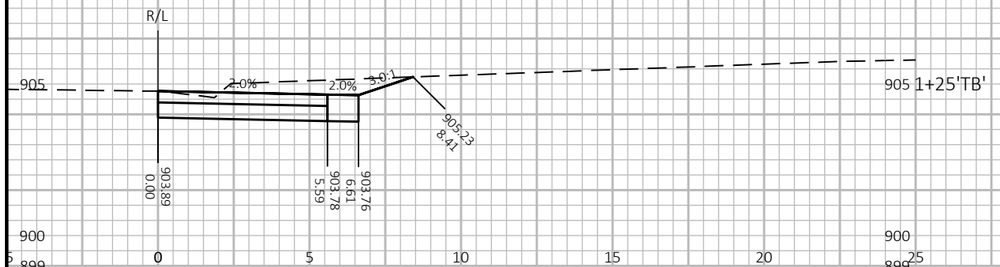
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090203-XS-TEMPWIDE.DWG
LAYOUT NAME - US12-NE-02

PLOT DATE : 11/29/2022 11:54 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.

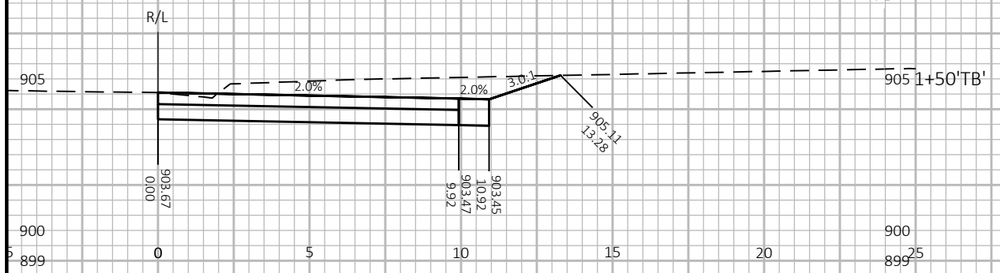
WISDOT/CADDS SHEET 49

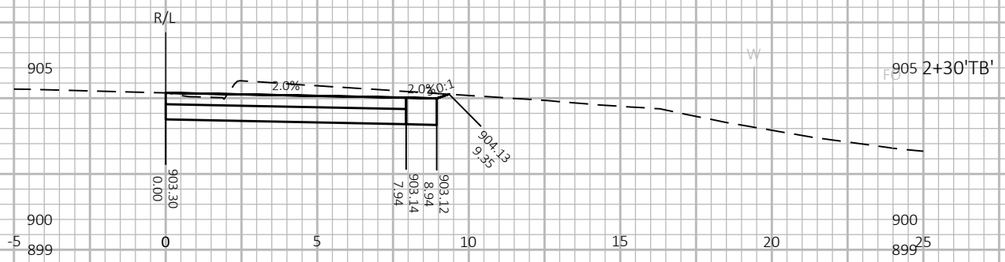




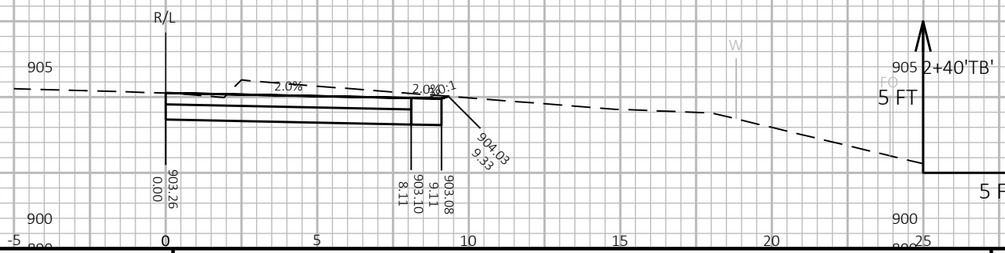












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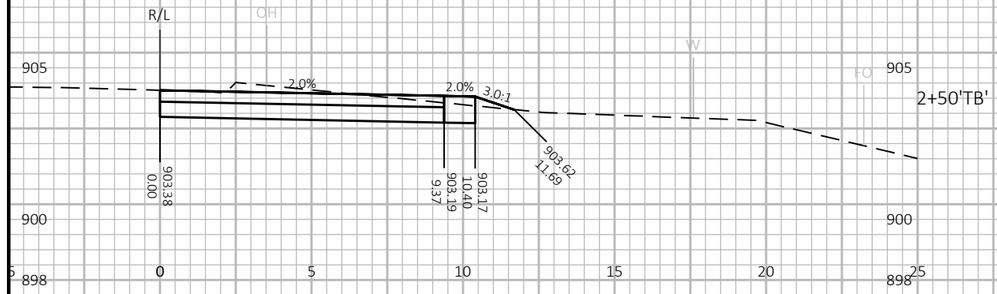
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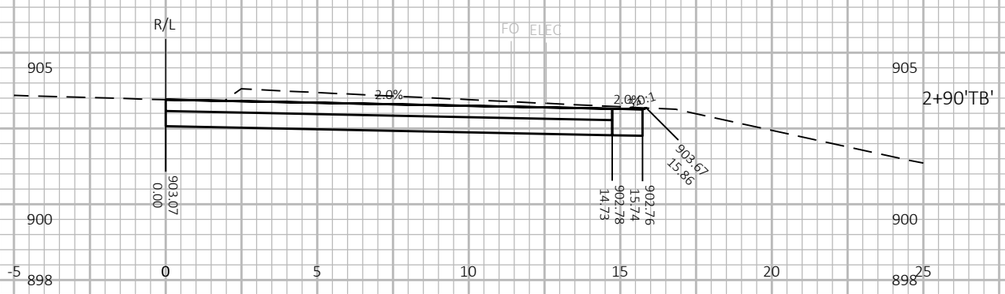
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 445	E

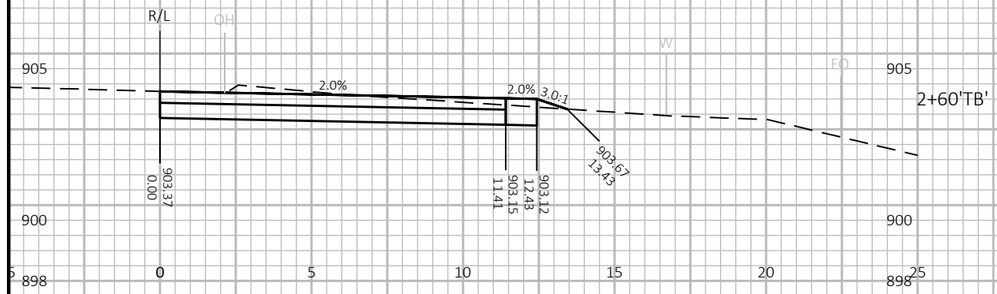
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090203-XS-TEMPWIDE.DWG
LAYOUT NAME - 3M-SW-01

PLOT DATE : 11/29/2022 11:54 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.

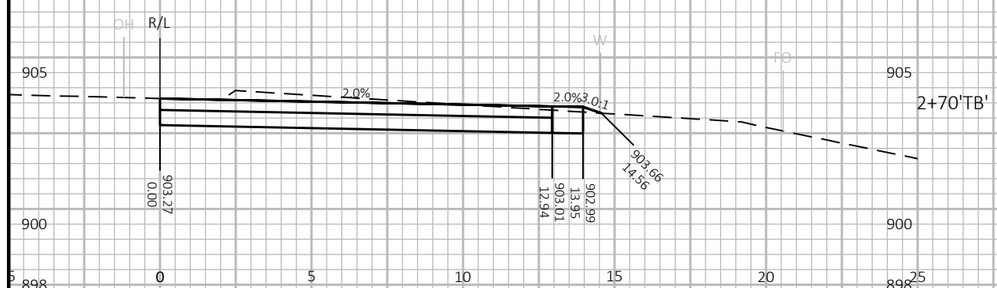
WISDOT/CADDS SHEET 49

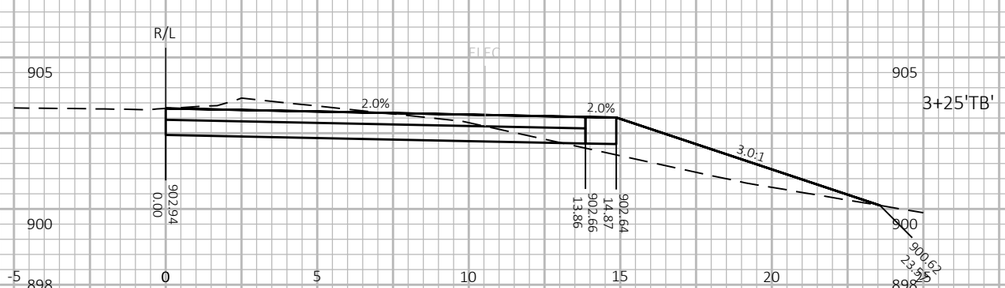




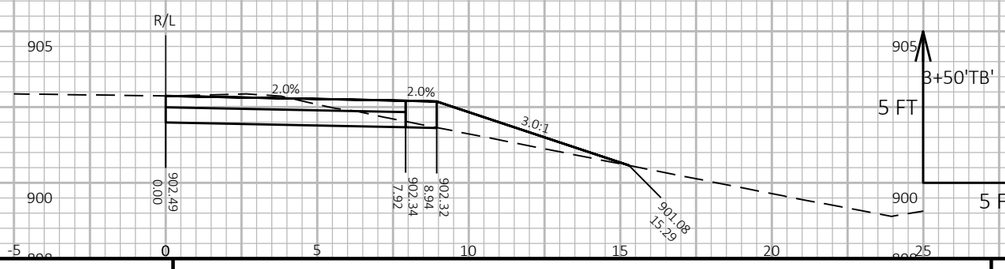












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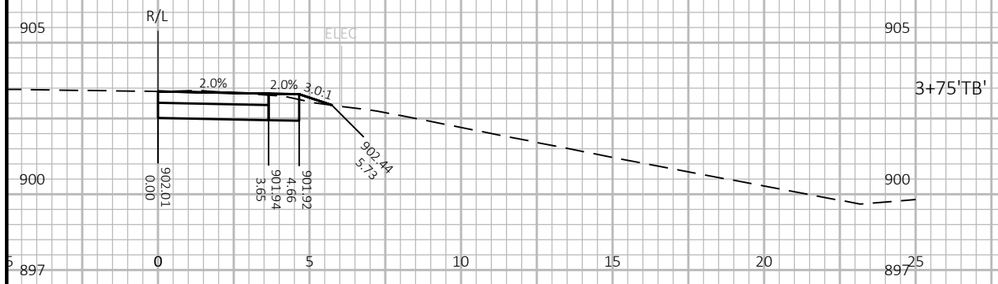
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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 446	E

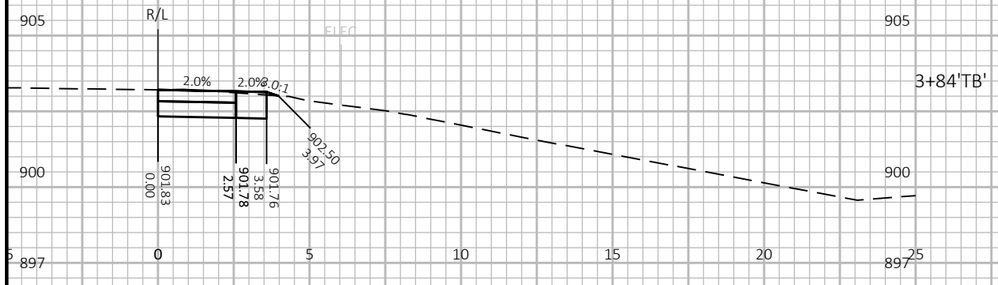
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090203-XS-TEMPWIDE.DWG
LAYOUT NAME - 3M-SW-02

PLOT DATE : 11/29/2022 11:54 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.

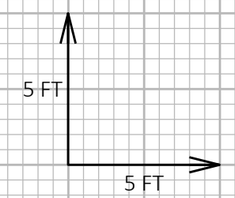
WISDOT/CADDS SHEET 49



3+75'TB'



3+84'TB'



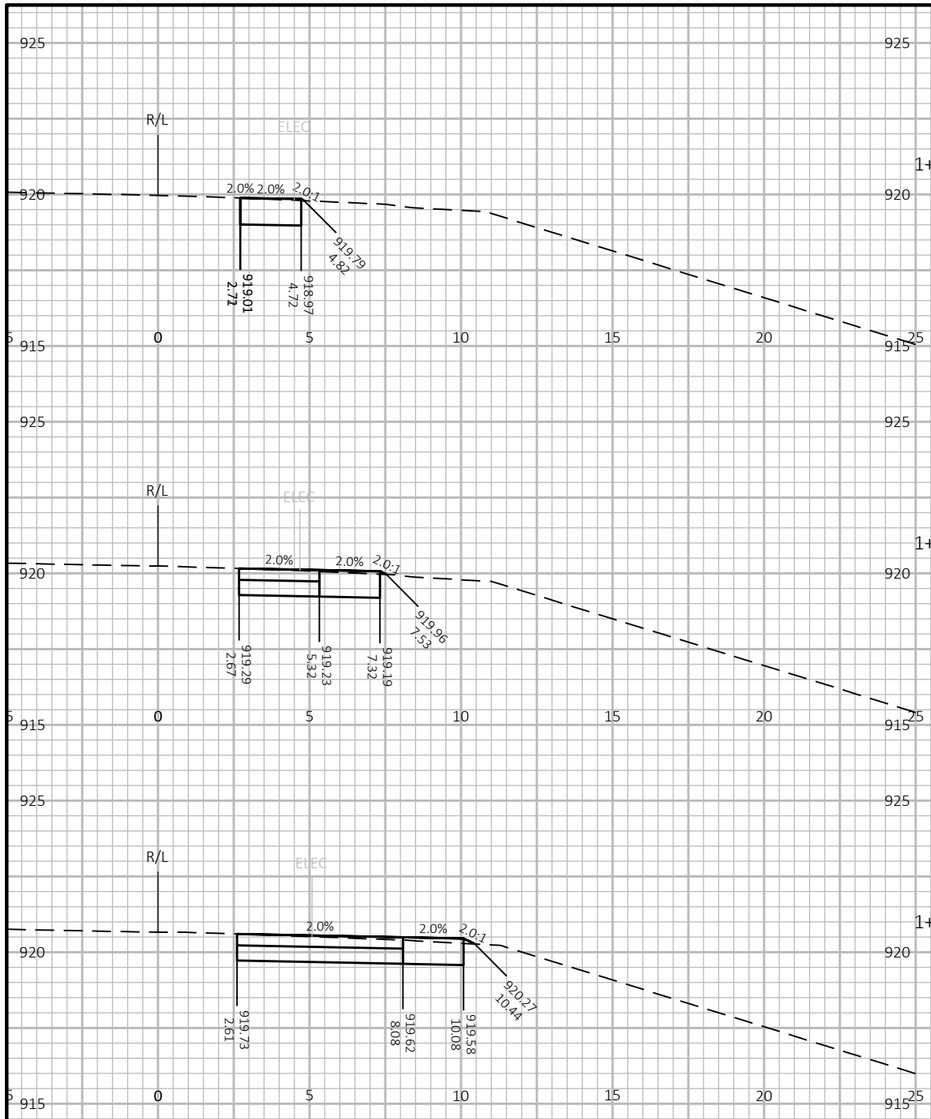
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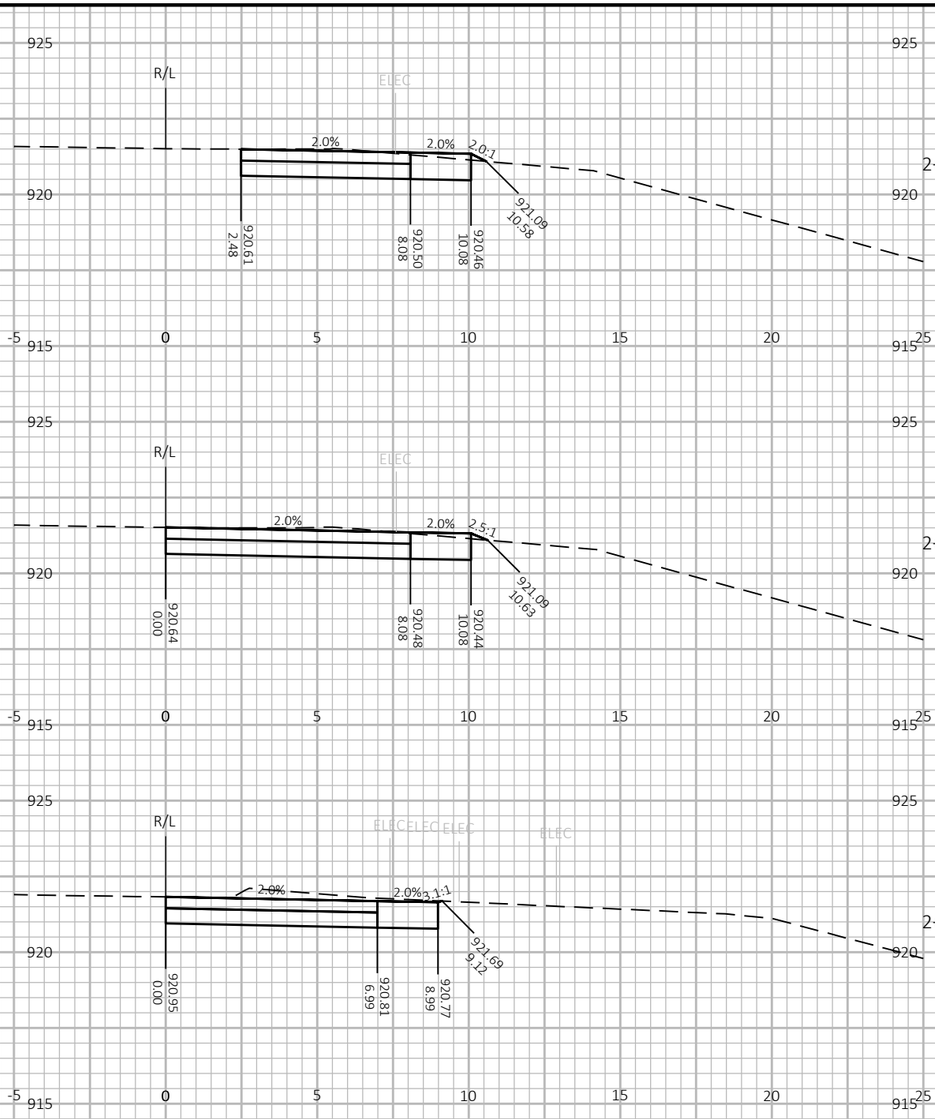
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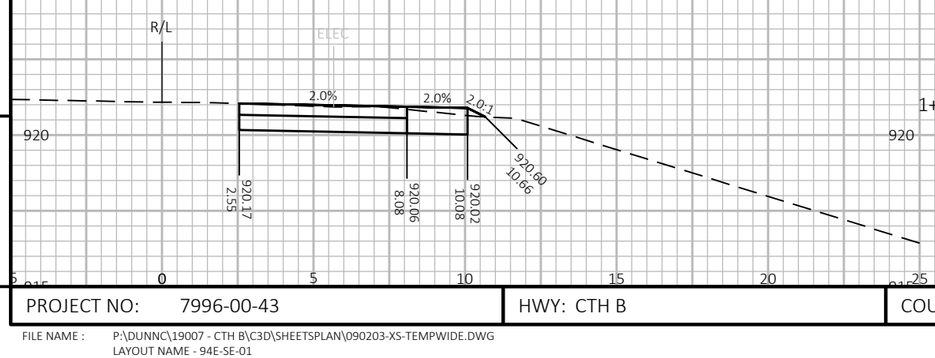
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 447	E

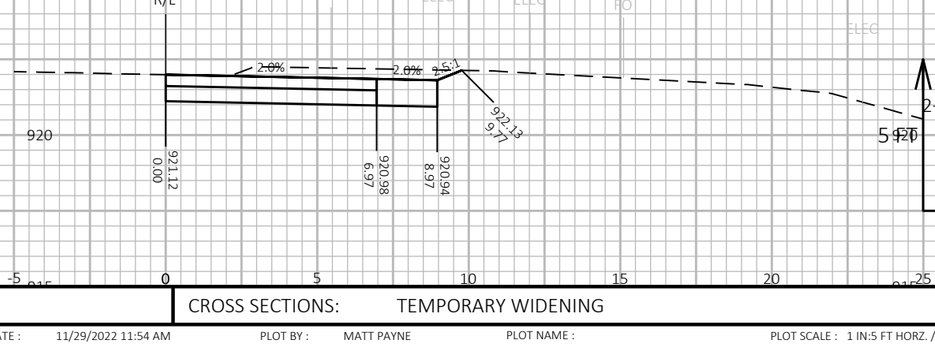
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090203-XS-TEMPWIDE.DWG
LAYOUT NAME - 3M-SW-03

PLOT DATE : 11/29/2022 11:54 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.









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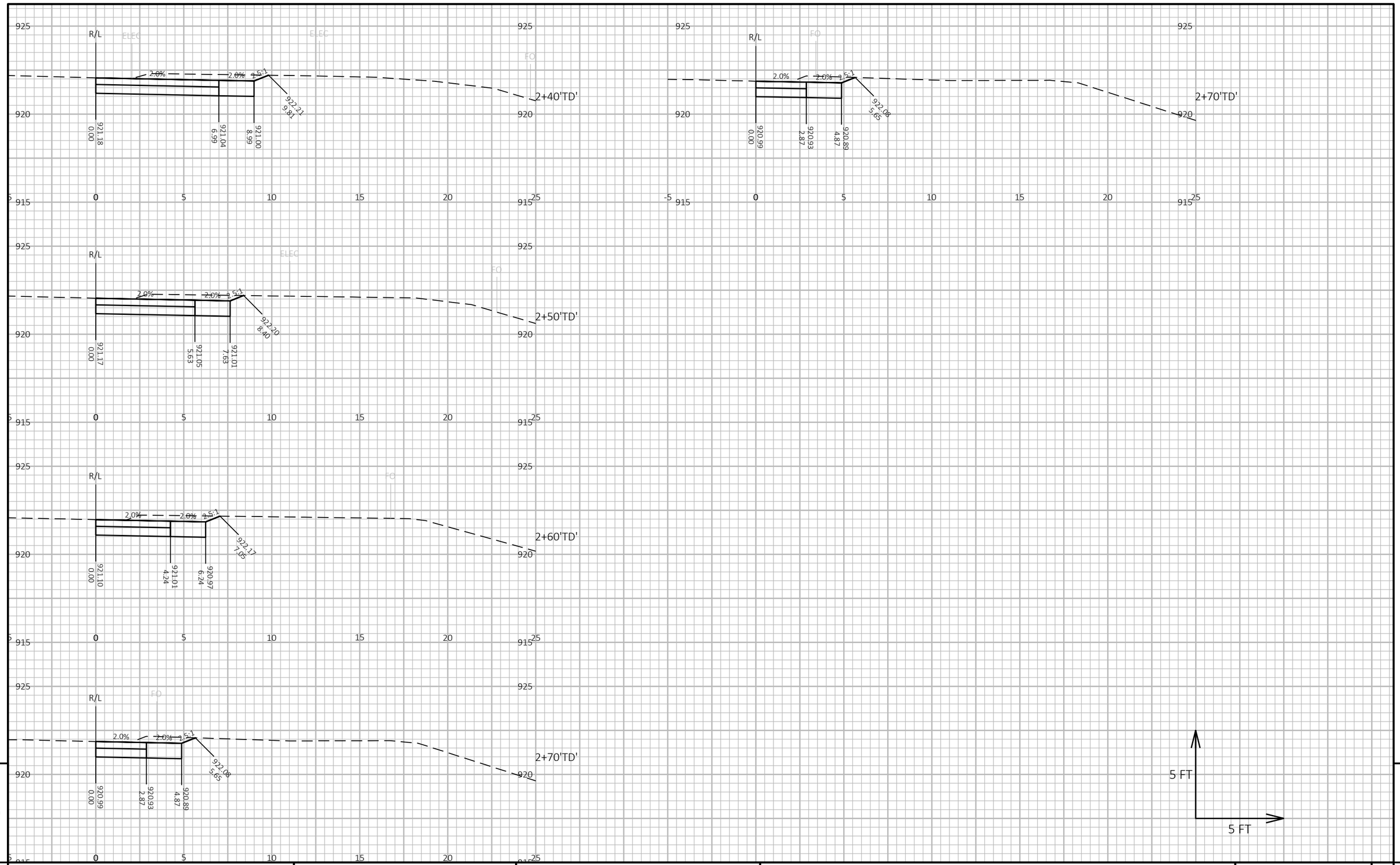
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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 448	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090203-XS-TEMPWIDE.DWG
LAYOUT NAME - 94E-SE-01

PLOT DATE : 11/29/2022 11:54 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



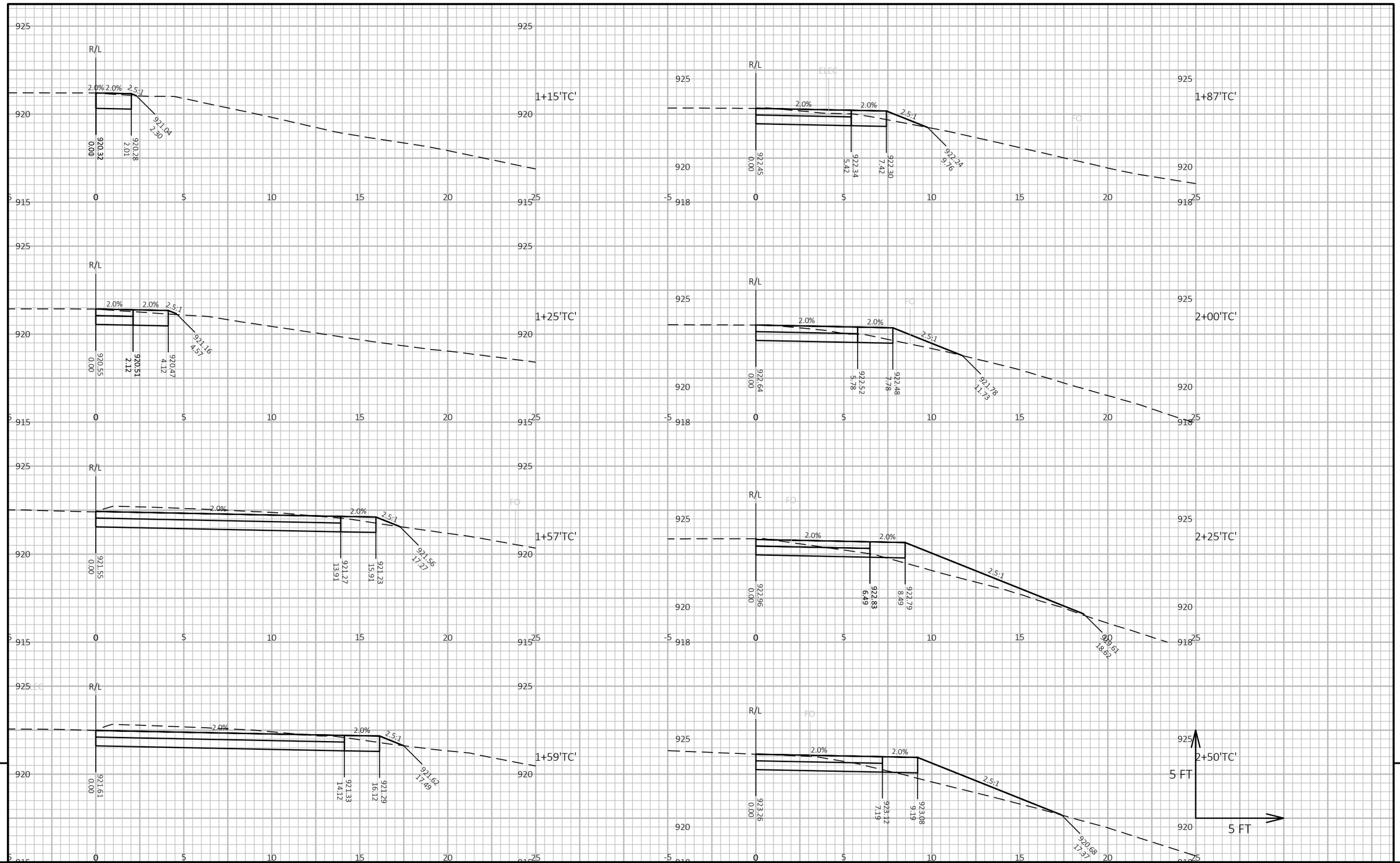
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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 449	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090203-XS-TEMPWIDE.DWG
LAYOUT NAME - 94E-SE-02

PLOT DATE : 11/29/2022 11:54 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.



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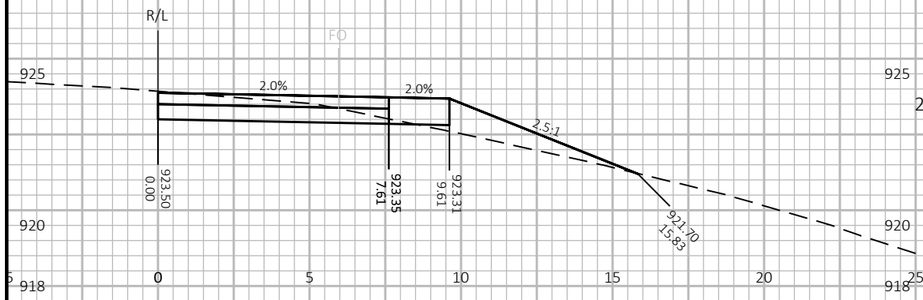
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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 450	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090203-XS-TEMPWIDE.DWG
LAYOUT NAME - 94E-NE-01

PLOT DATE : 11/29/2022 11:54 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.

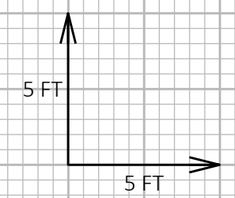
WISDOT/CADDS SHEET 49



2+75'TC'



2+96'TC'



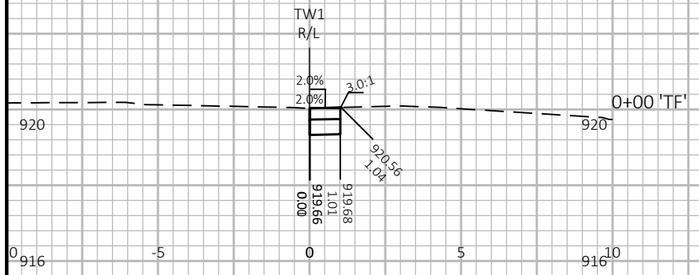
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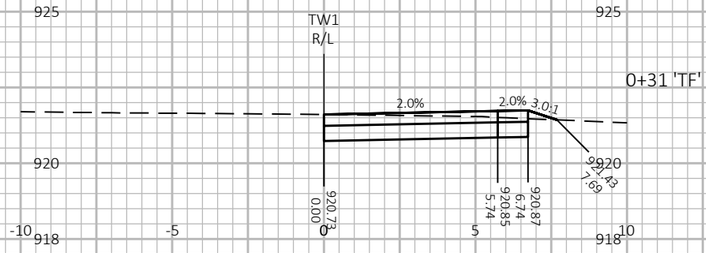
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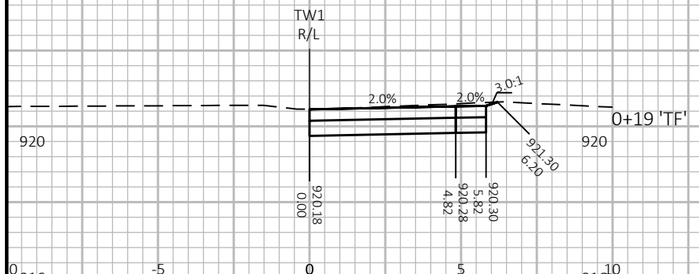
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 451	E

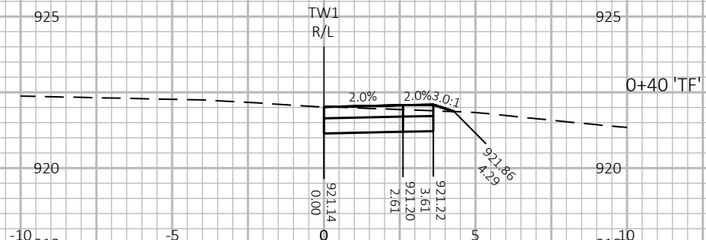
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090203-XS-TEMPWIDE.DWG
LAYOUT NAME - 94E-NE-02

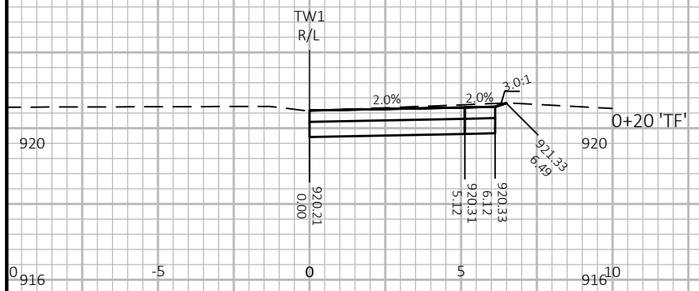
PLOT DATE : 11/29/2022 11:54 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.

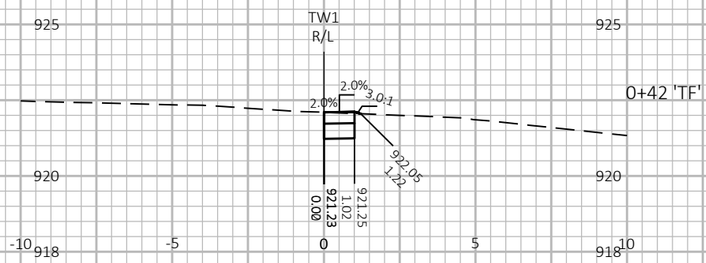


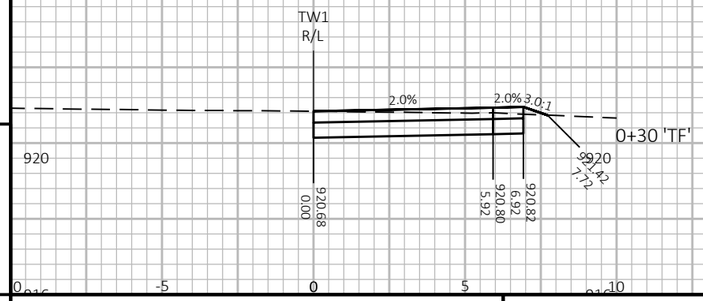


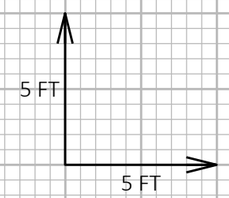












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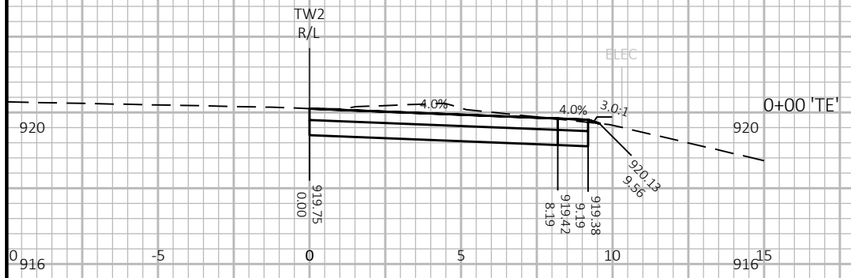
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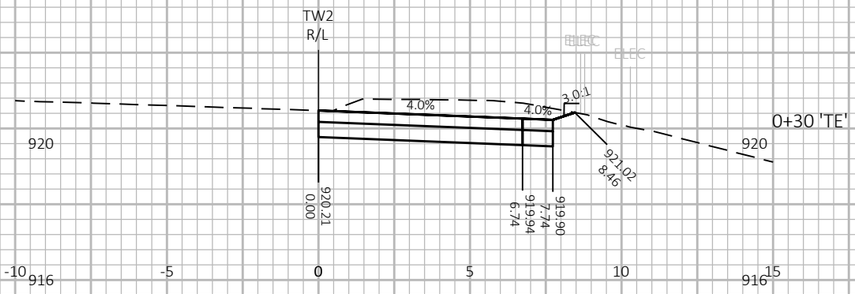
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 452	E

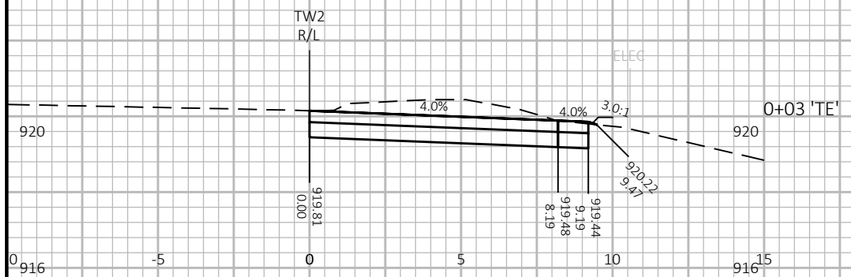
FILE NAME : P:\DUNNC\20001 - CTH B (NORTH)\CAD\C3D\SHEETSPLAN\090203-XS-TW.DWG
LAYOUT NAME - 94W-SW-01

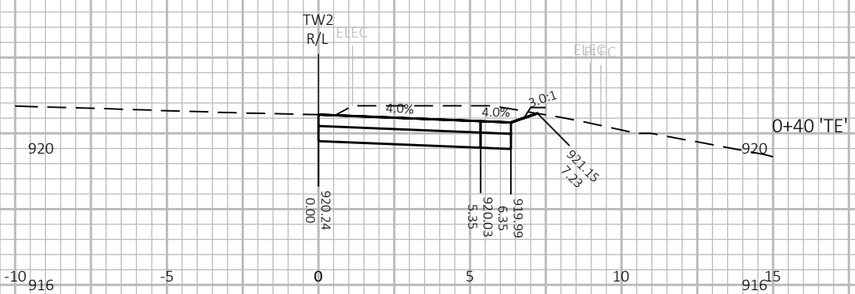
PLOT DATE : 11/1/2022 9:58 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.

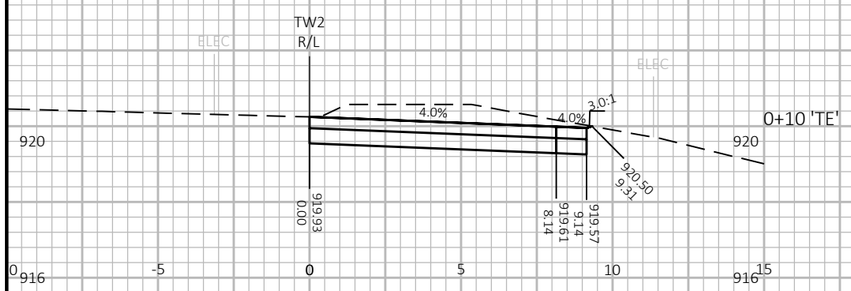
WISDOT/CADDS SHEET 49

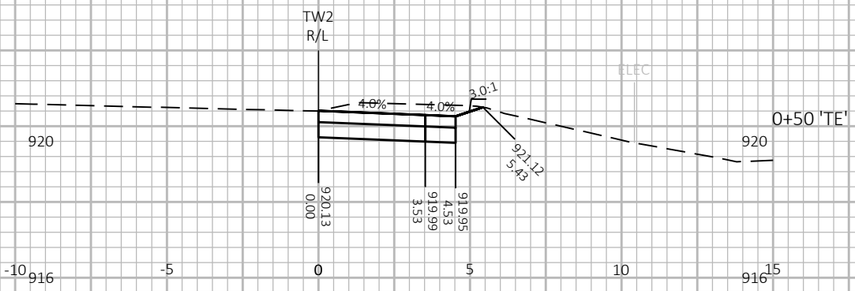


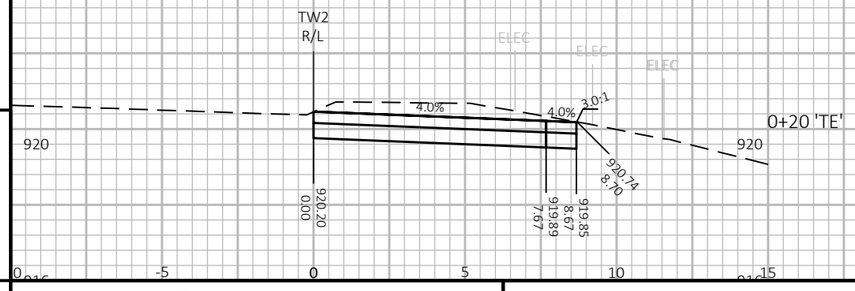


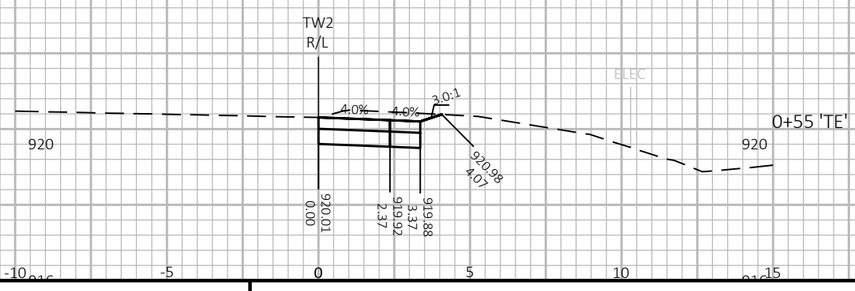


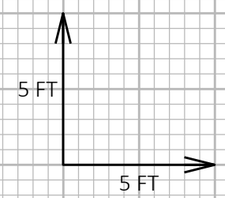












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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 453	E

FILE NAME : P:\DUNNC\20001 - CTH B (NORTH)\CAD\C3D\SHEETSPLAN\090203-XS-TW.DWG
LAYOUT NAME - 94W-NW-01

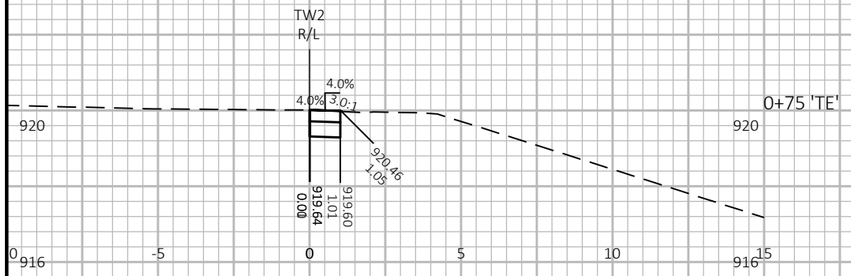
PLOT DATE : 11/1/2022 9:58 AM

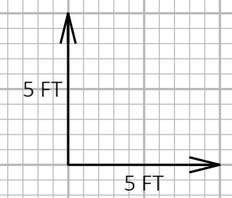
PLOT BY : MATT PAYNE

PLOT NAME :

PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49





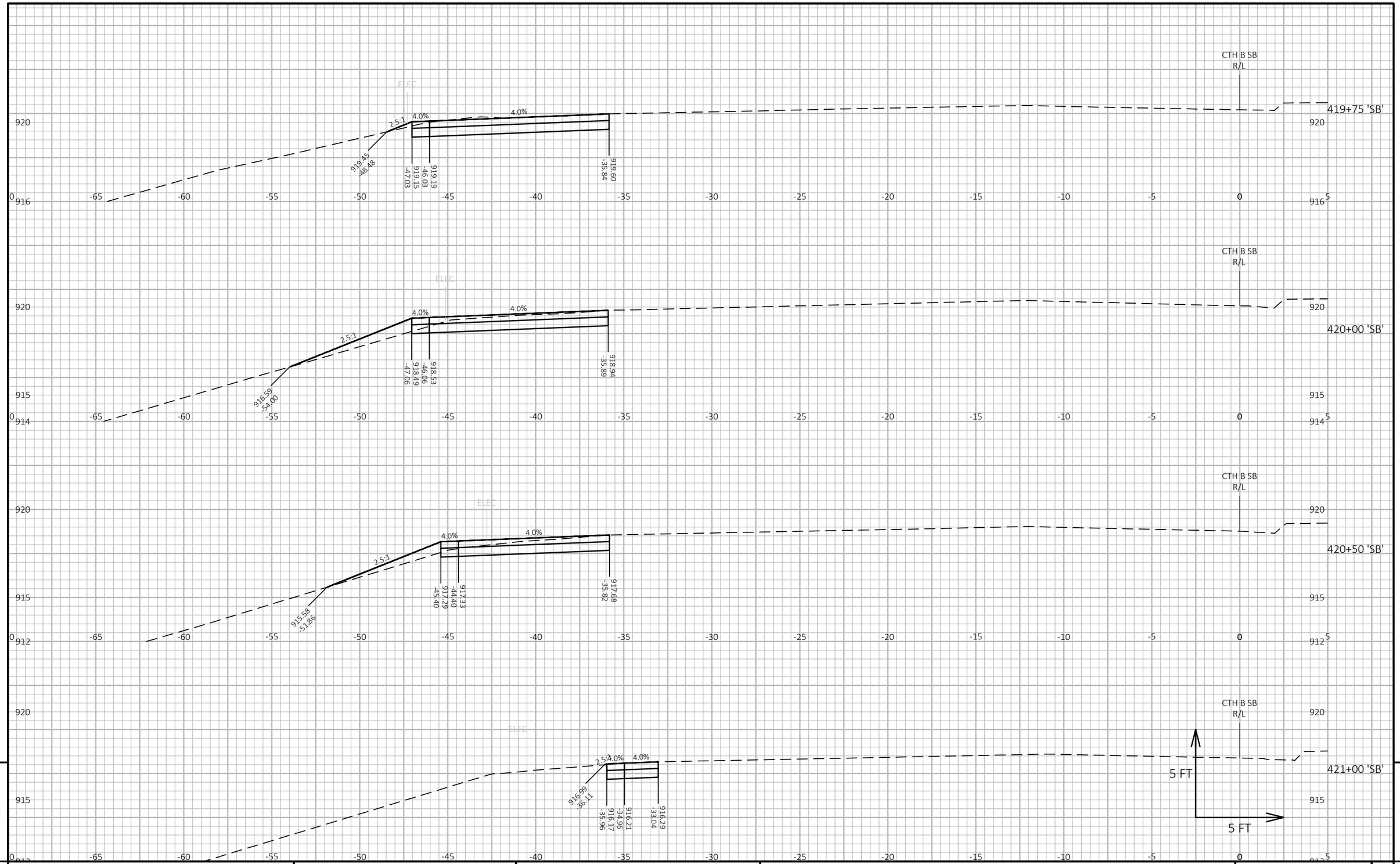
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9

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 454	E

FILE NAME : P:\DUNNC\20001 - CTH B (NORTH)\CAD\C3D\SHEETSPLAN\090203-XS-TW.DWG
LAYOUT NAME - 94W-NW-02

PLOT DATE : 11/1/2022 9:58 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.



9

9

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 455	E

FILE NAME : P:\DUNNC\20001 - CTH B (NORTH)\CAD\C3D\SHEETSPLAN\090203-XS-TW.DWG
LAYOUT NAME - CTH B-01

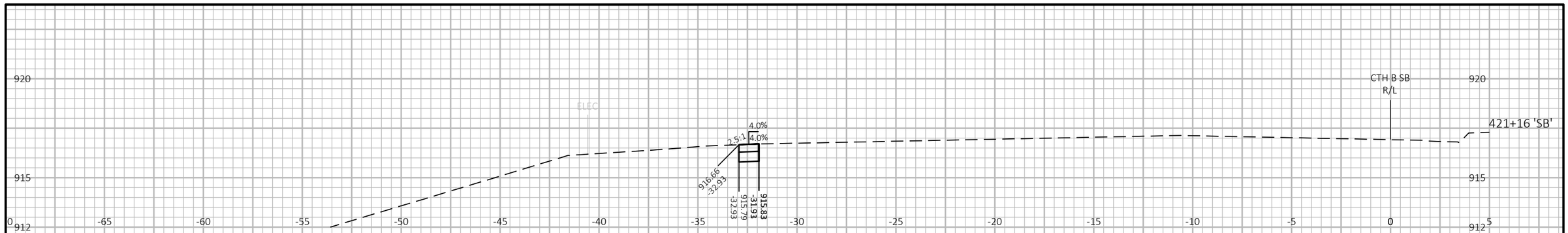
PLOT DATE : 11/1/2022 9:58 AM

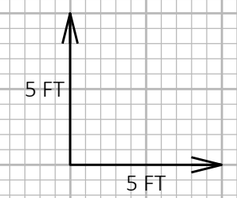
PLOT BY : MATT PAYNE

PLOT NAME :

PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49





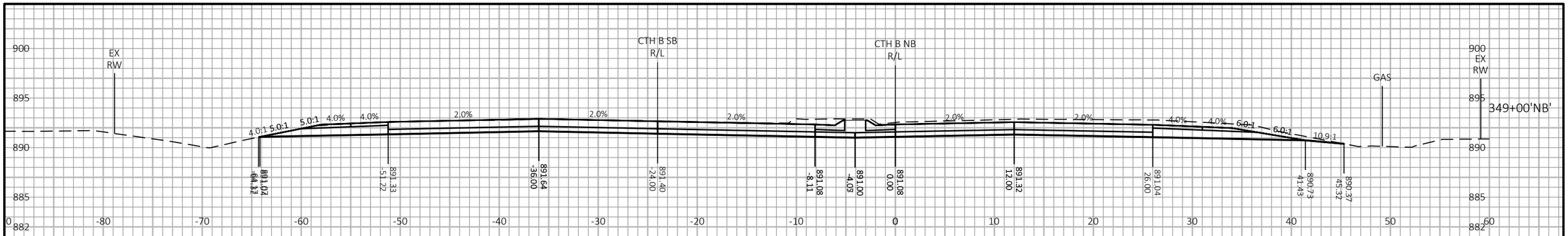
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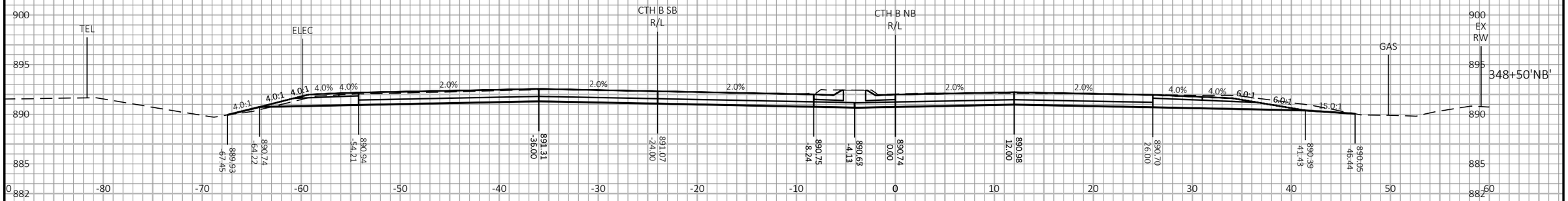
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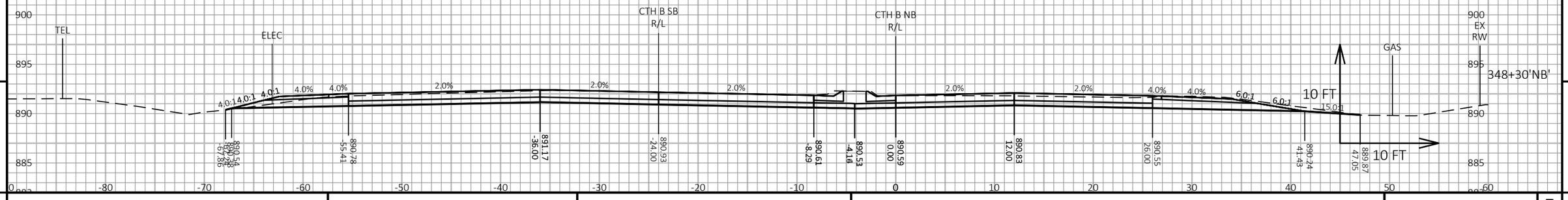
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: TEMPORARY WIDENING	SHEET 456	E

FILE NAME : P:\DUNNC\20001 - CTH B (NORTH)\CAD\C3D\SHEETSPLAN\090203-XS-TW.DWG
LAYOUT NAME - CTH B-02

PLOT DATE : 11/1/2022 9:58 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:5 FT HORZ. / 1 IN:5 FT VERT.







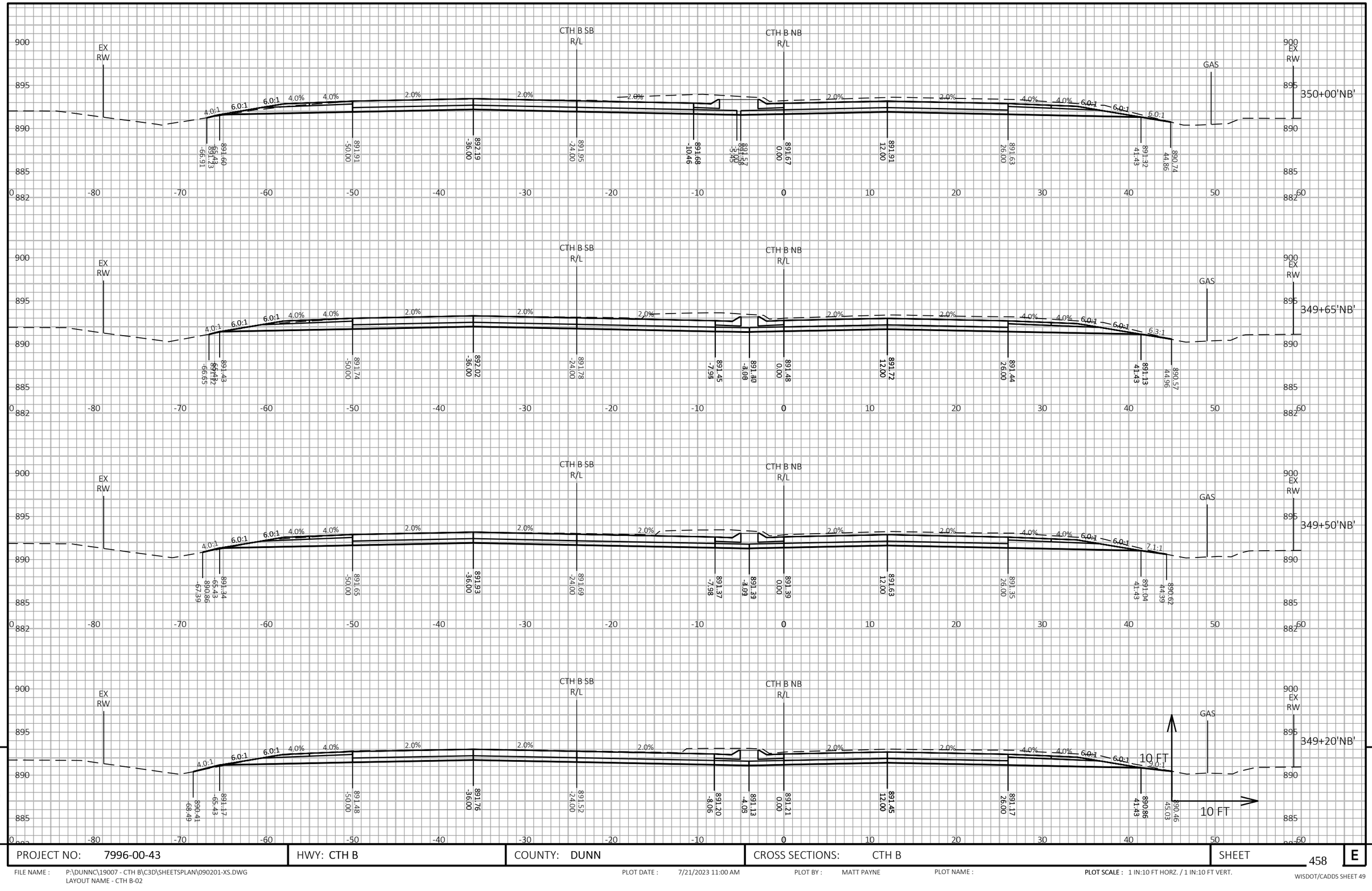
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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 457	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-01

PLOT DATE : 7/21/2023 11:00 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

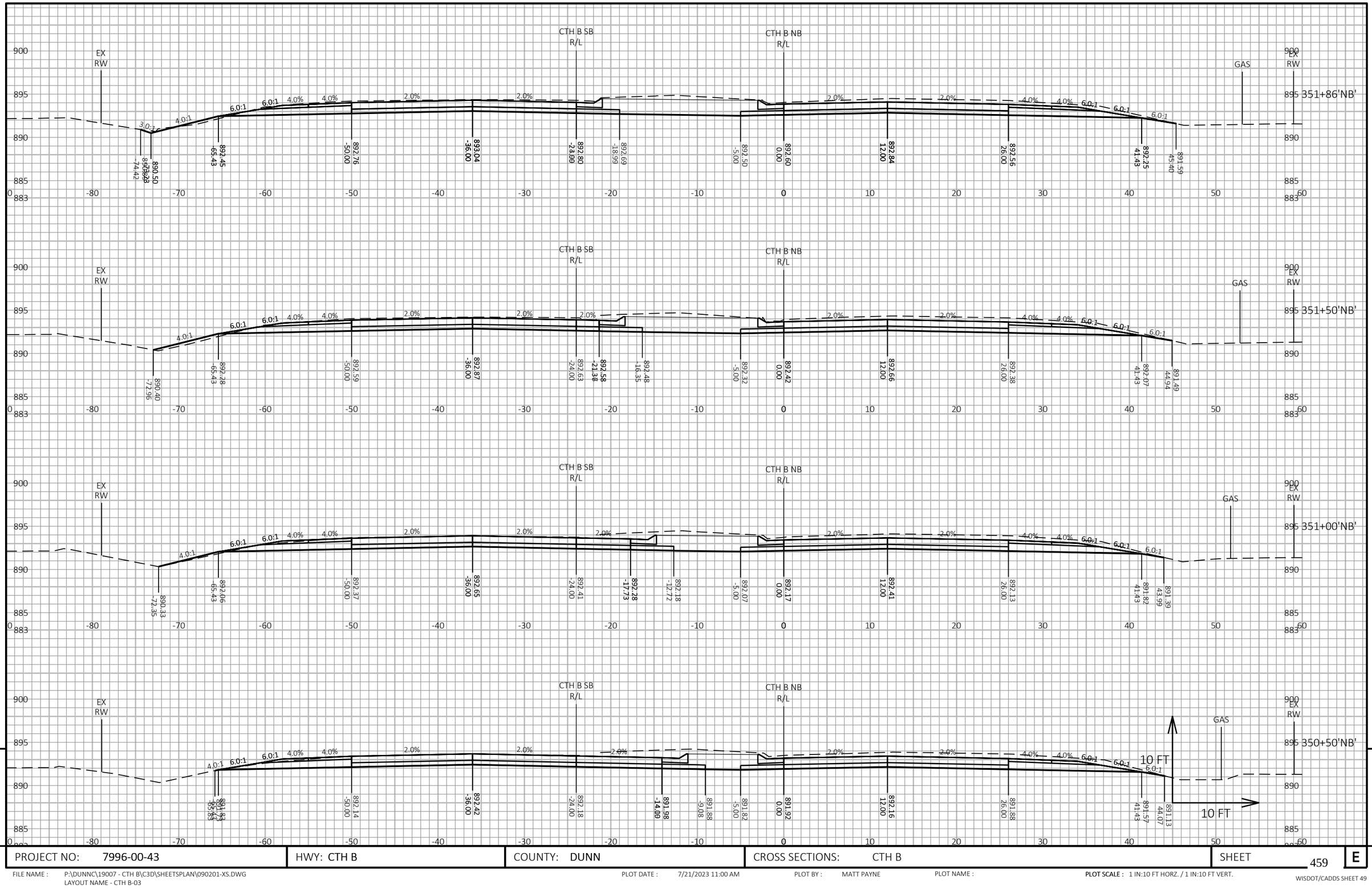


PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 458 E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-02

PLOT DATE : 7/21/2023 11:00 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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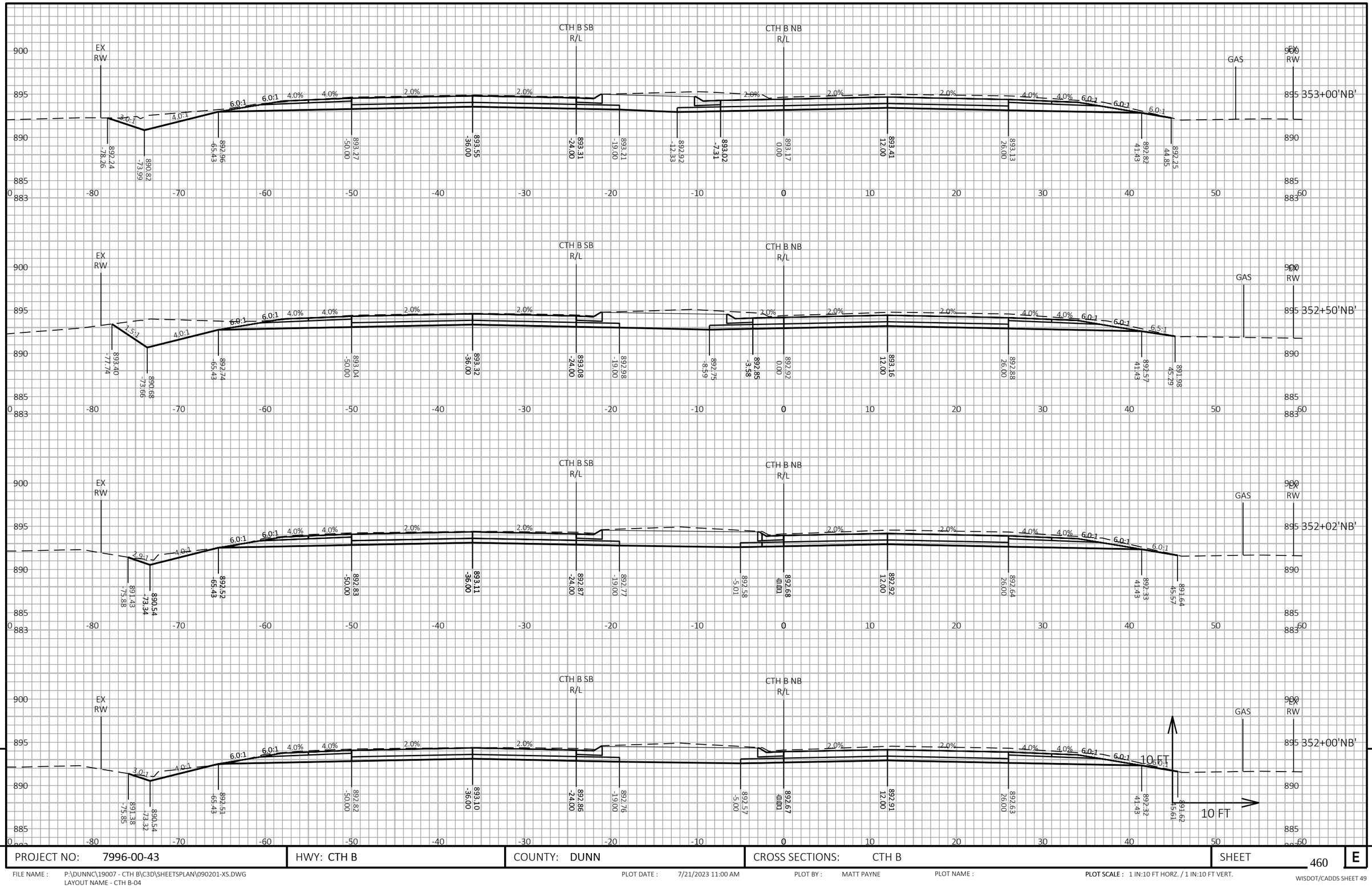
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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 459	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-03

PLOT DATE : 7/21/2023 11:00 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 460	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-04

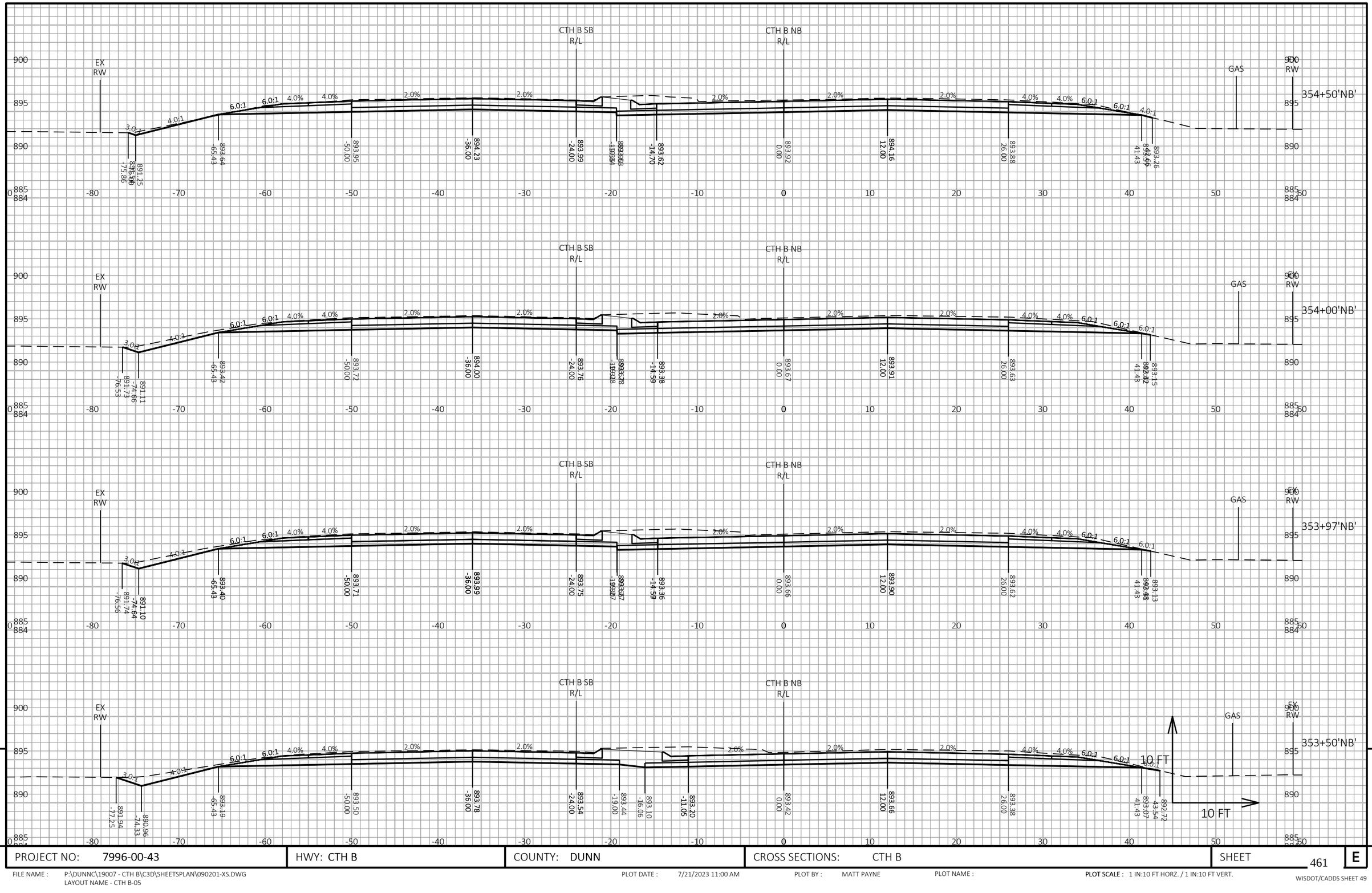
PLOT DATE : 7/21/2023 11:00 AM

PLOT BY : MATT PAYNE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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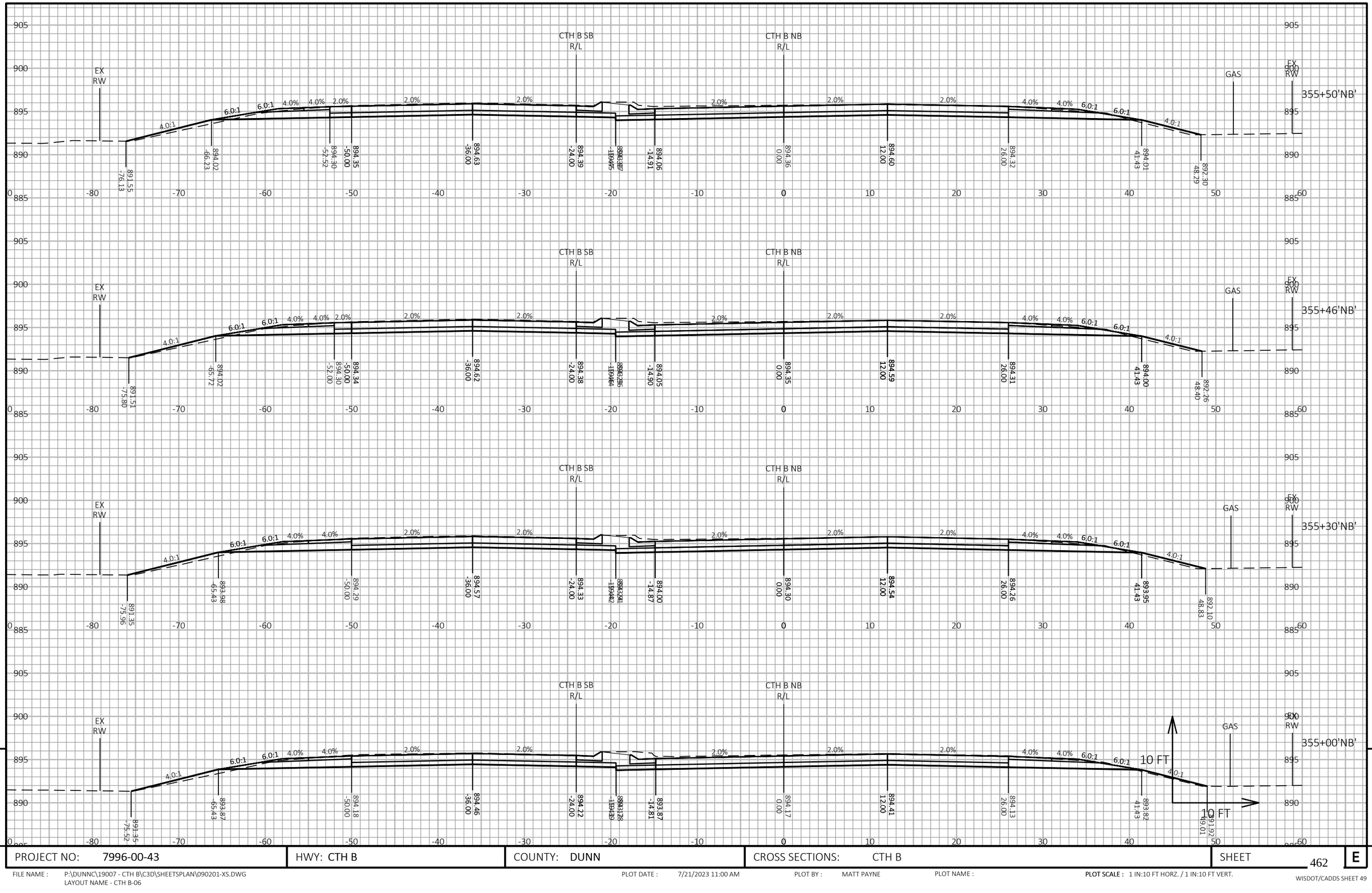
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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 461	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-05

PLOT DATE : 7/21/2023 11:00 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 462	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-06

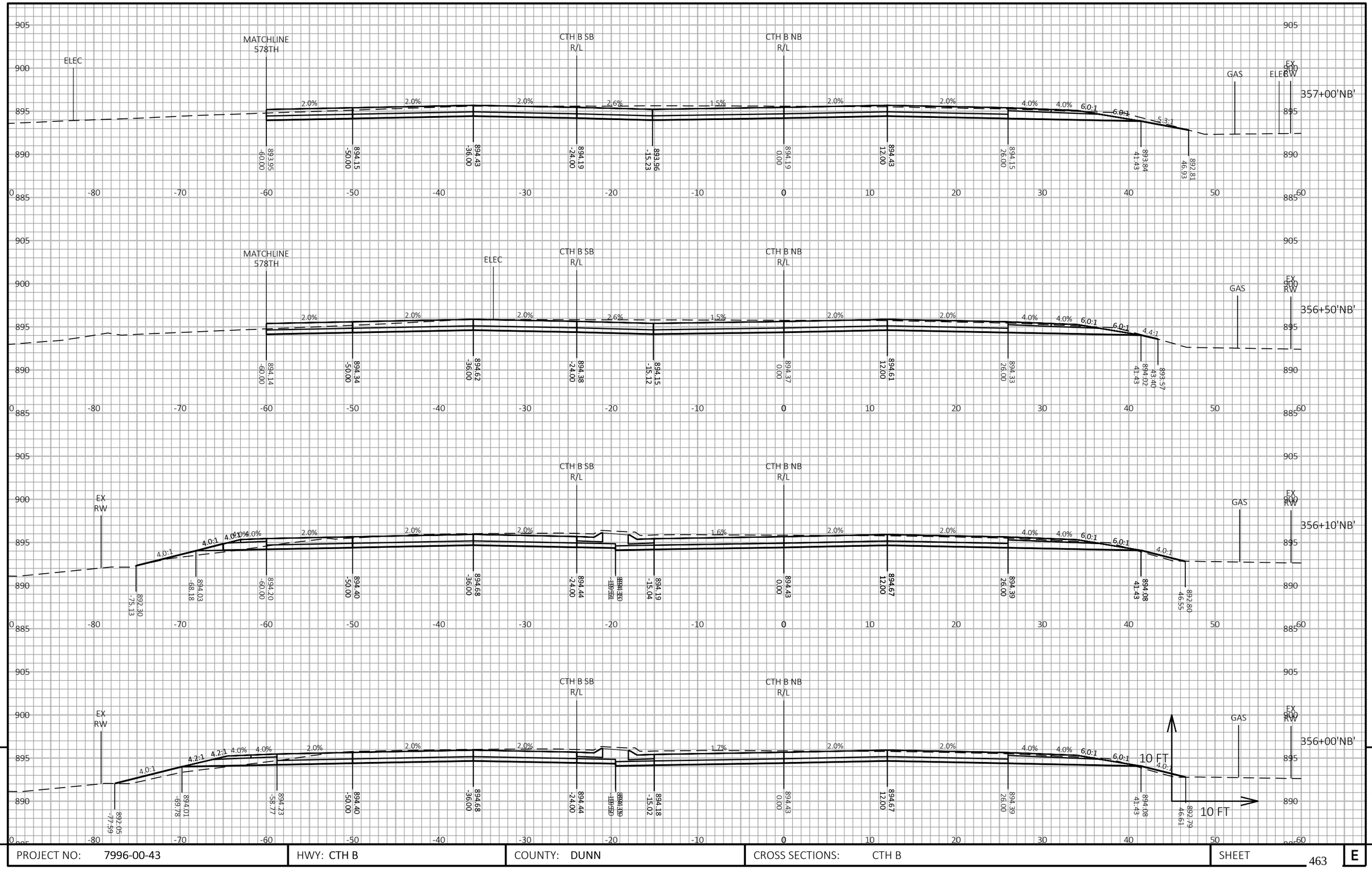
PLOT DATE : 7/21/2023 11:00 AM

PLOT BY : MATT PAYNE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 463	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-07

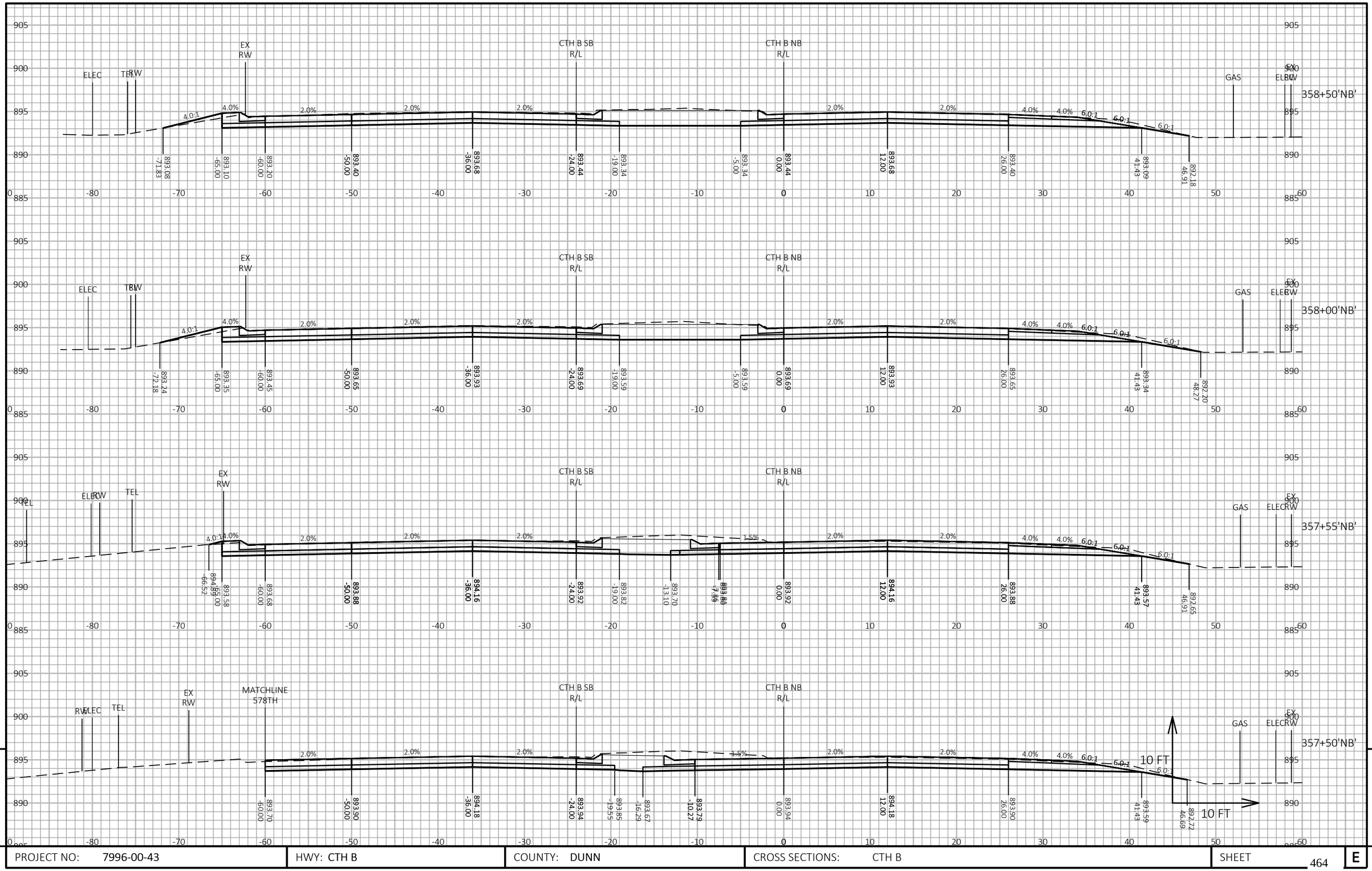
PLOT DATE : 7/21/2023 11:00 AM

PLOT BY : MATT PAYNE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 464 E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-08

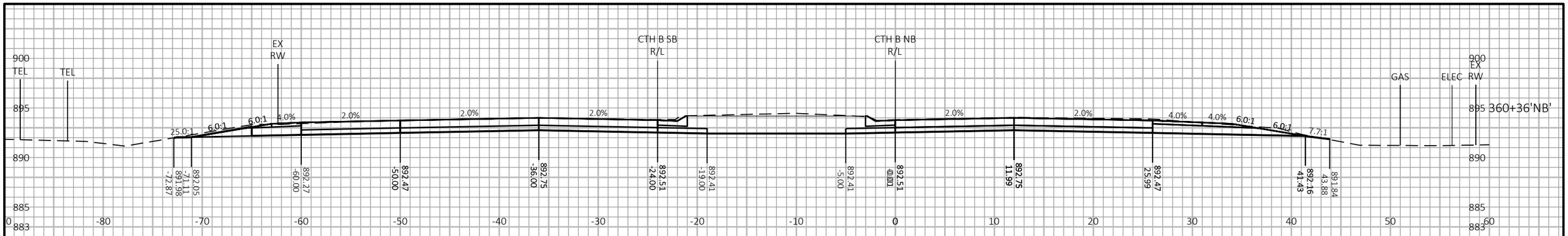
PLOT DATE : 7/21/2023 11:00 AM

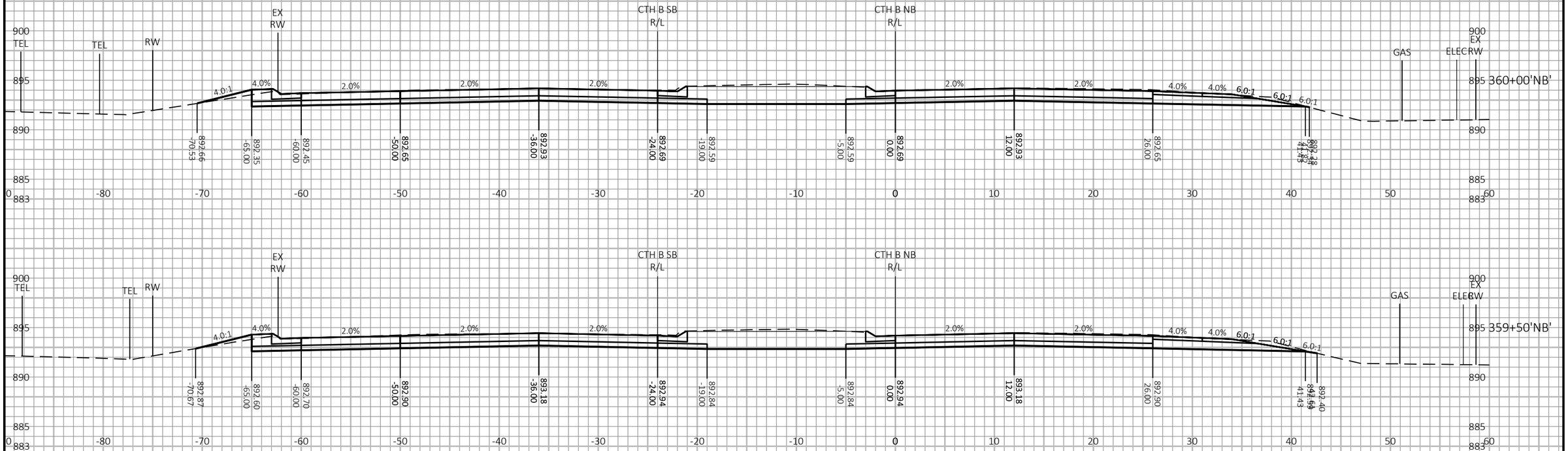
PLOT BY : MATT PAYNE

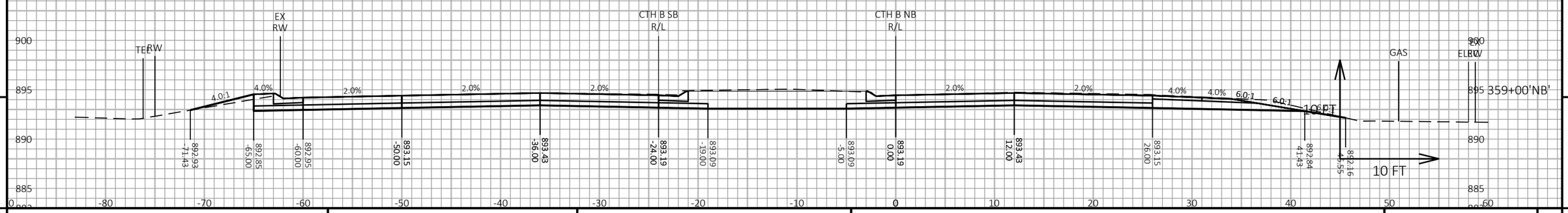
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







9

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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 465	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-09

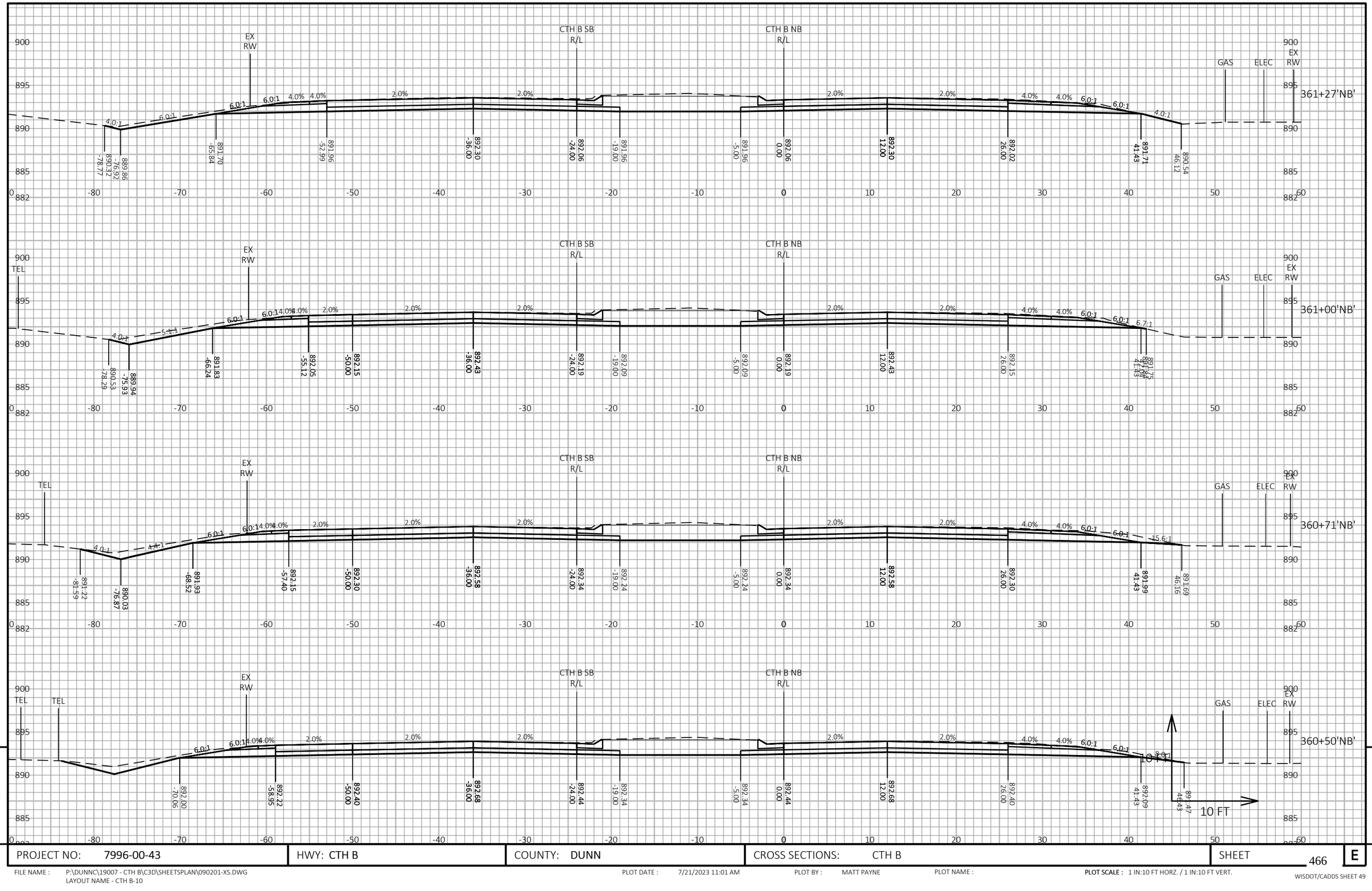
PLOT DATE : 7/21/2023 11:01 AM

PLOT BY : MATT PAYNE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

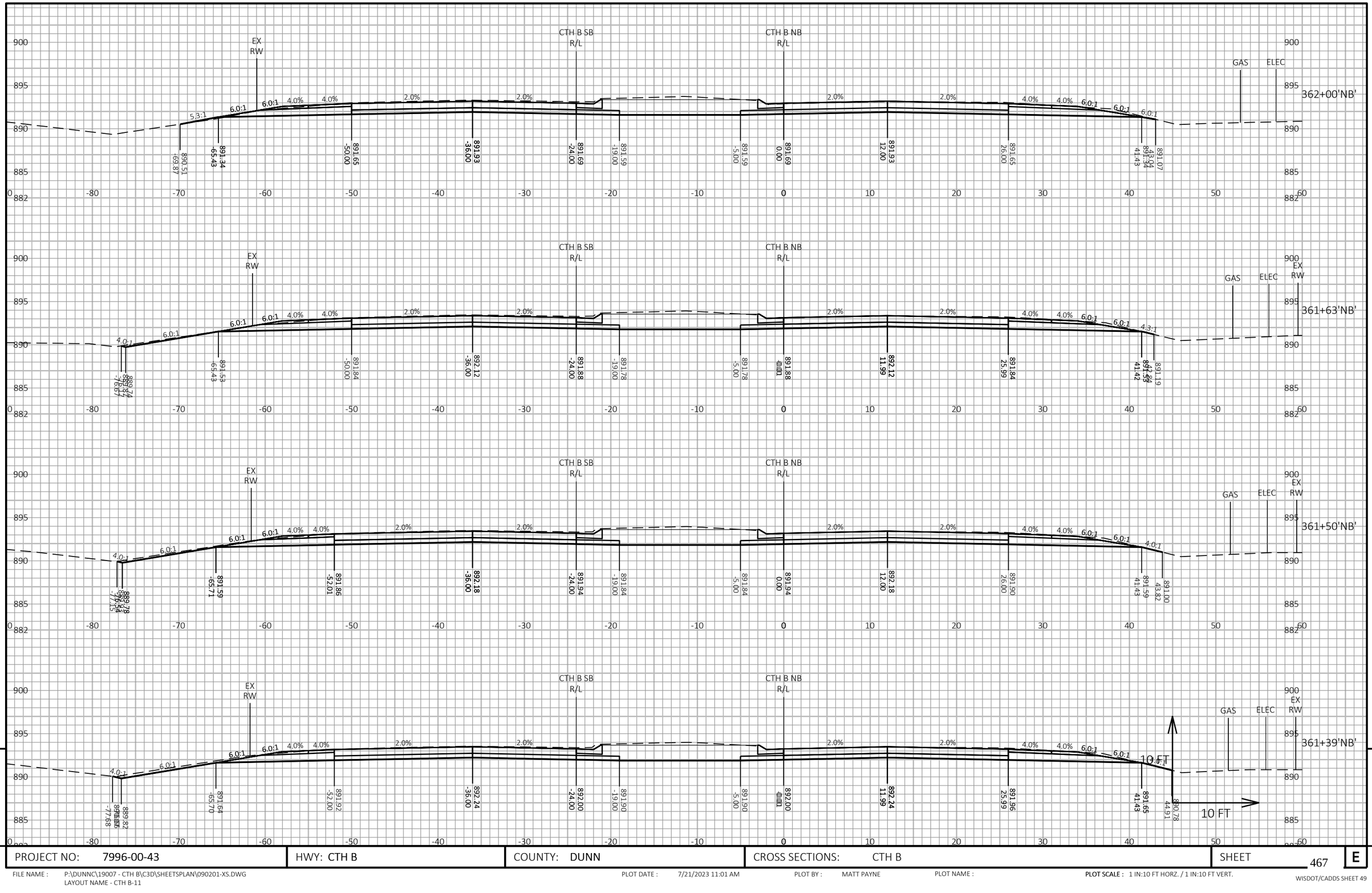


PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 466	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-10

PLOT DATE : 7/21/2023 11:01 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

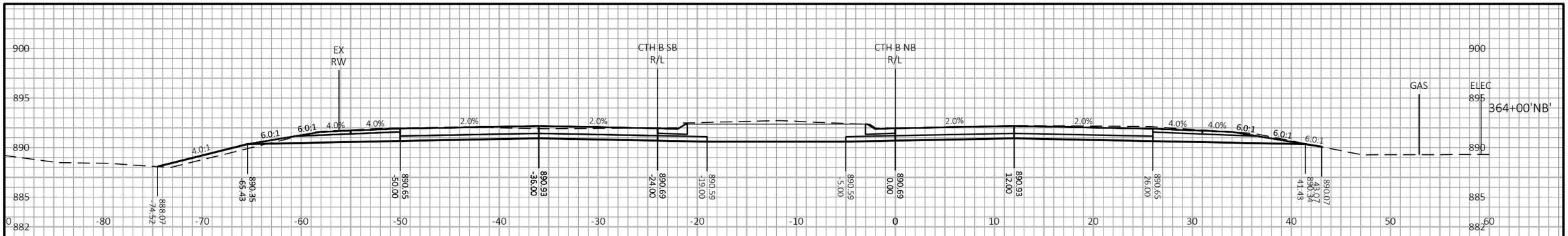


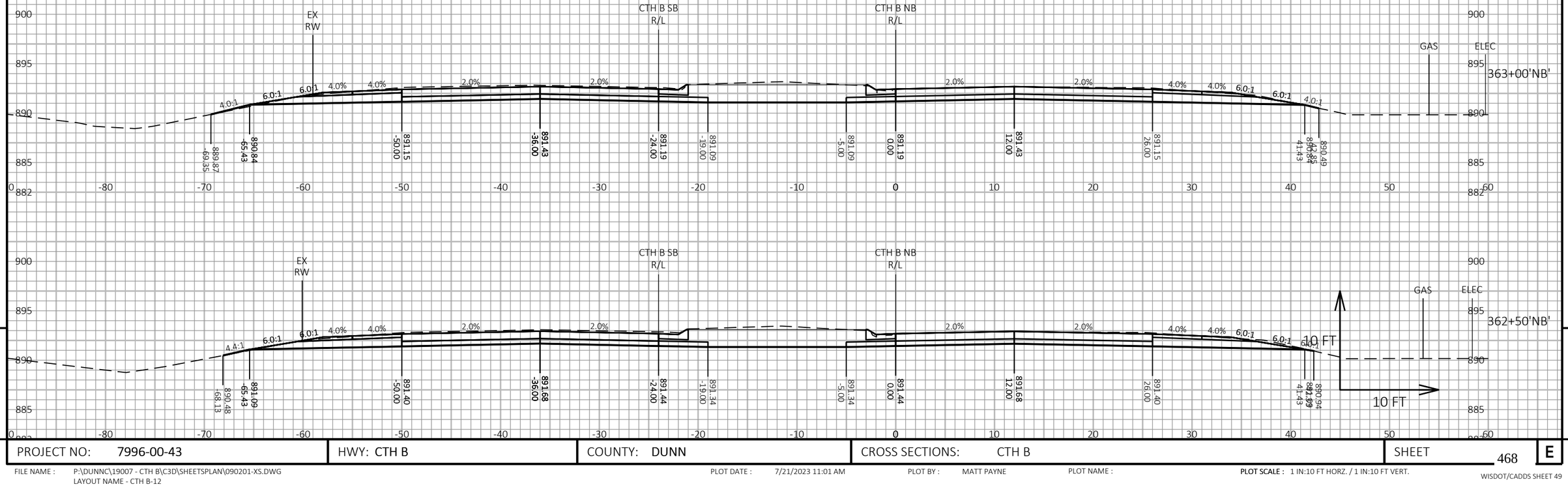
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 467 E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-11

PLOT DATE : 7/21/2023 11:01 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



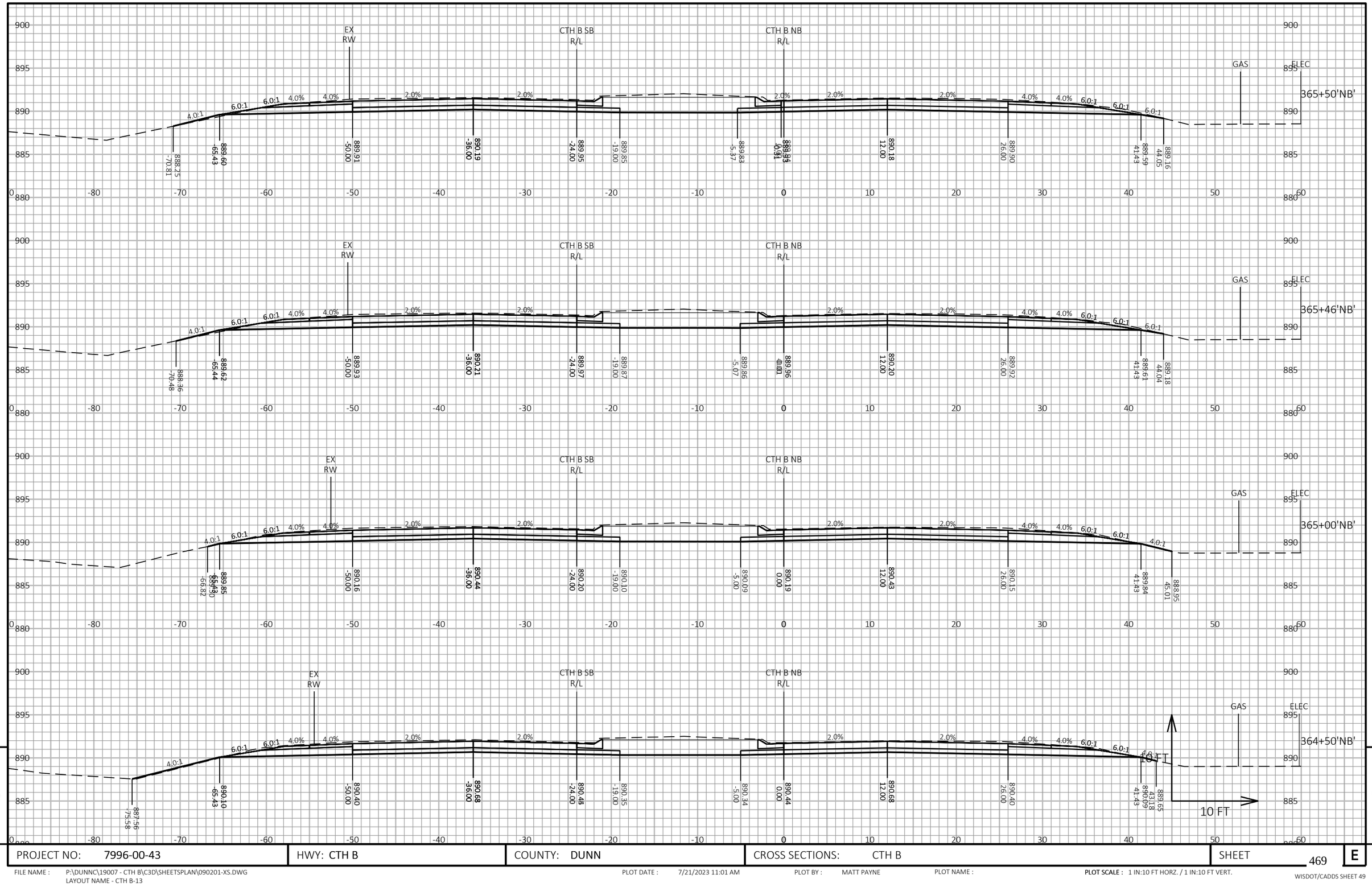


PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 468	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-12

PLOT DATE : 7/21/2023 11:01 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

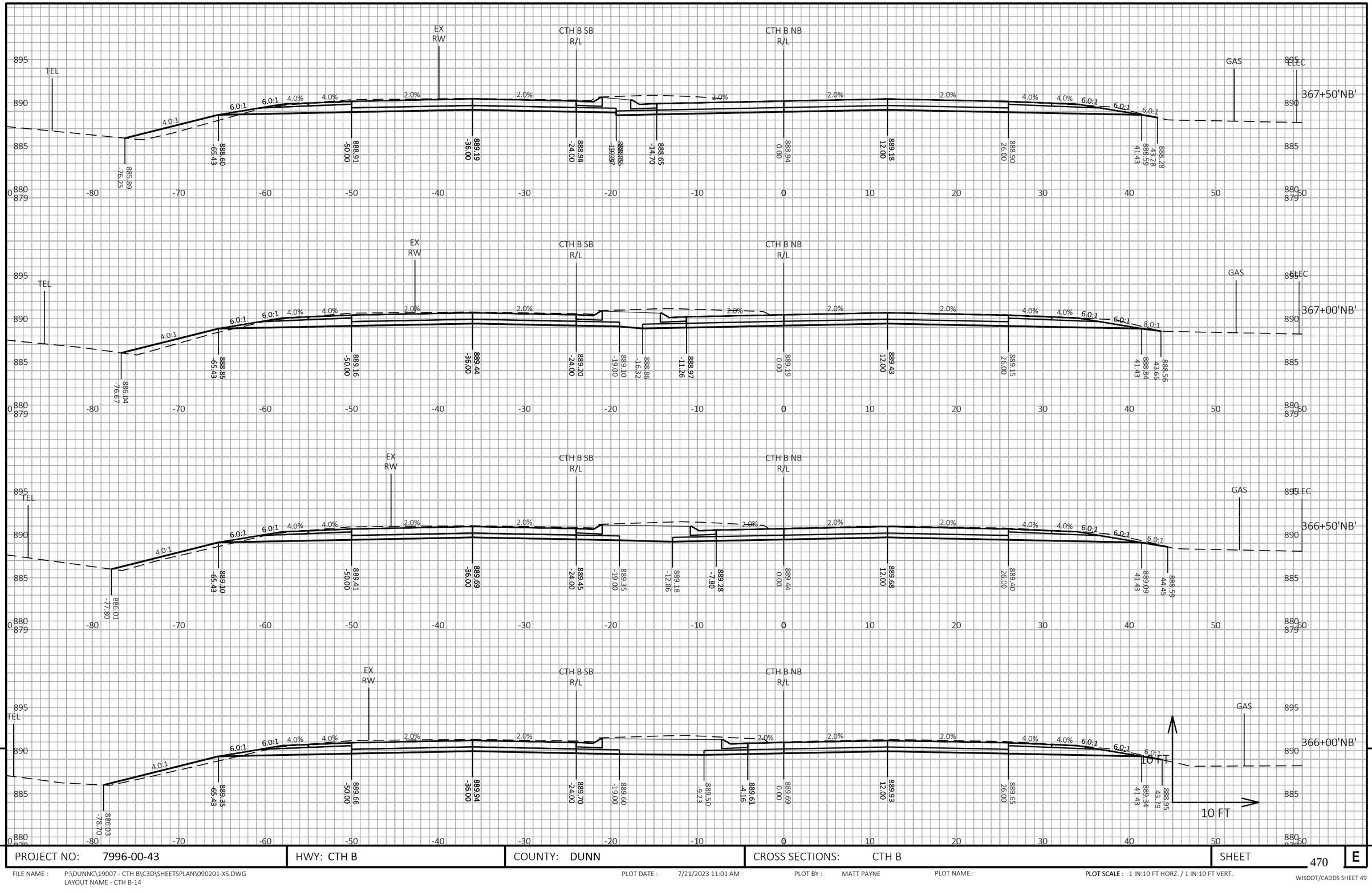
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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 469	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-13

PLOT DATE : 7/21/2023 11:01 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 470	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-14

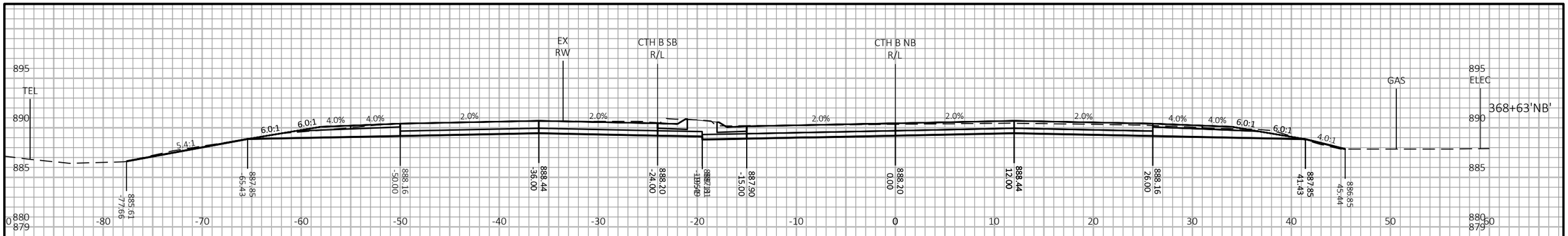
PLOT DATE : 7/21/2023 11:01 AM

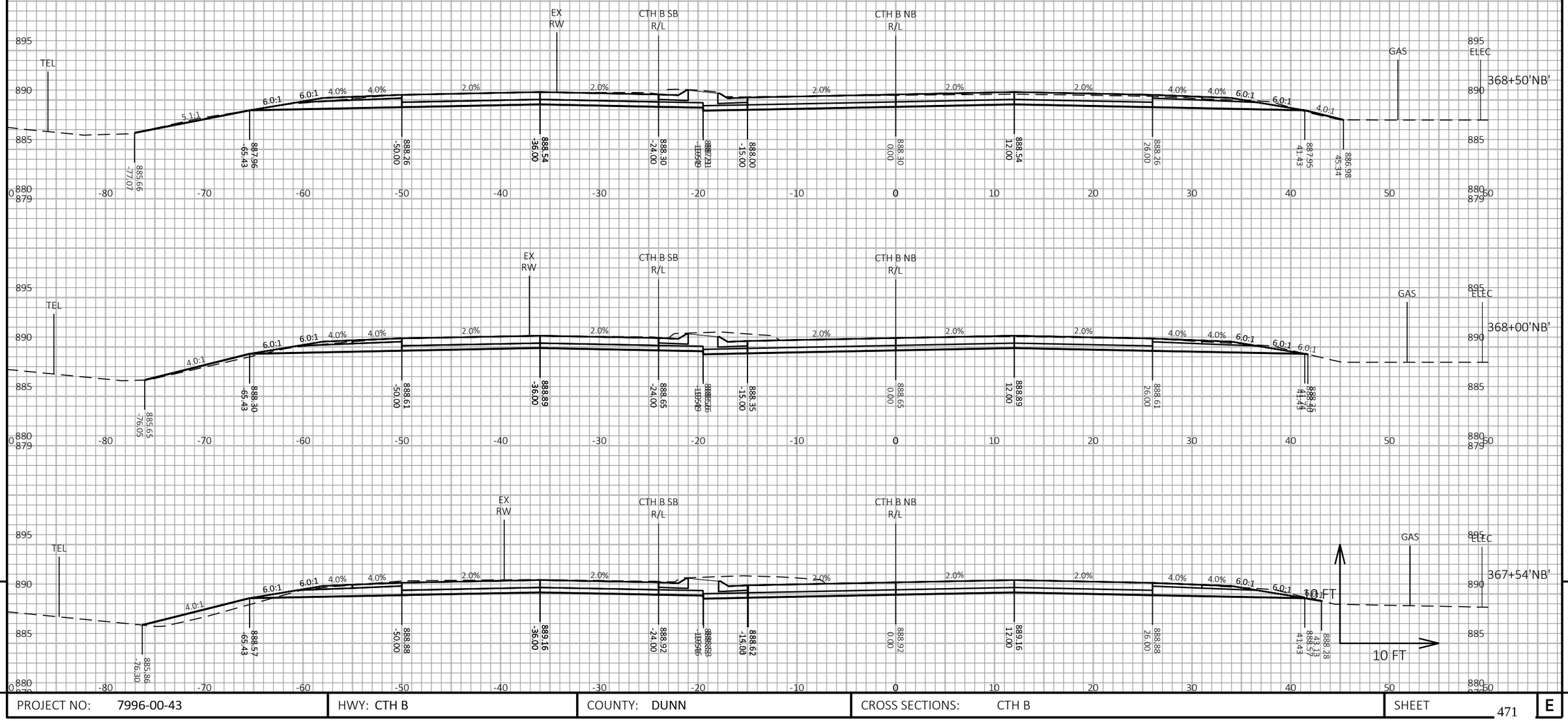
PLOT BY : MATT PAYNE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 471	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-15

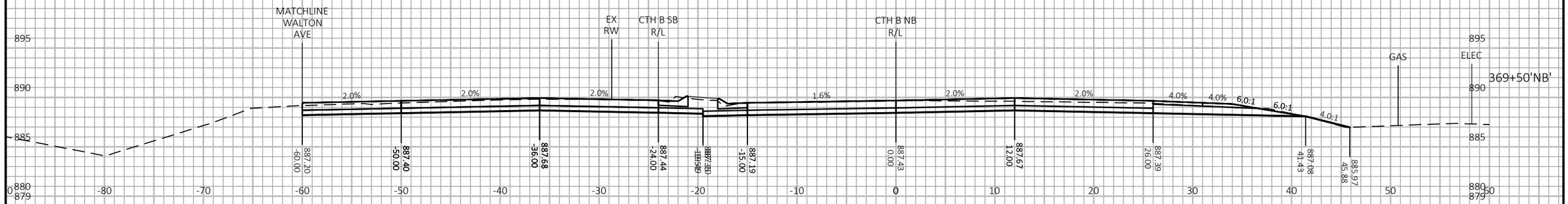
PLOT DATE : 7/21/2023 11:01 AM

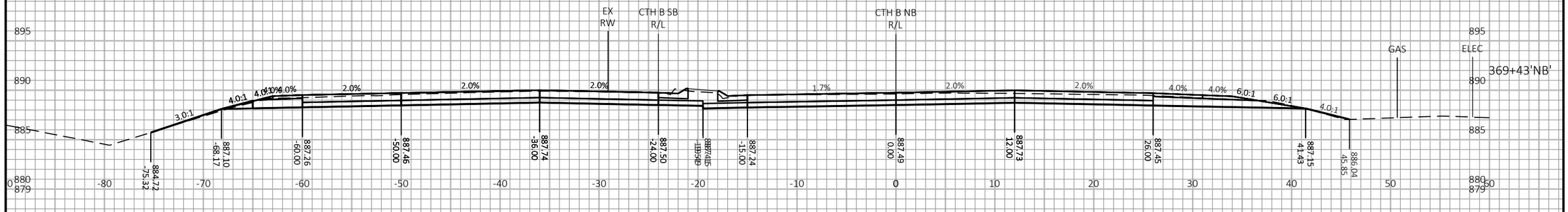
PLOT BY : MATT PAYNE

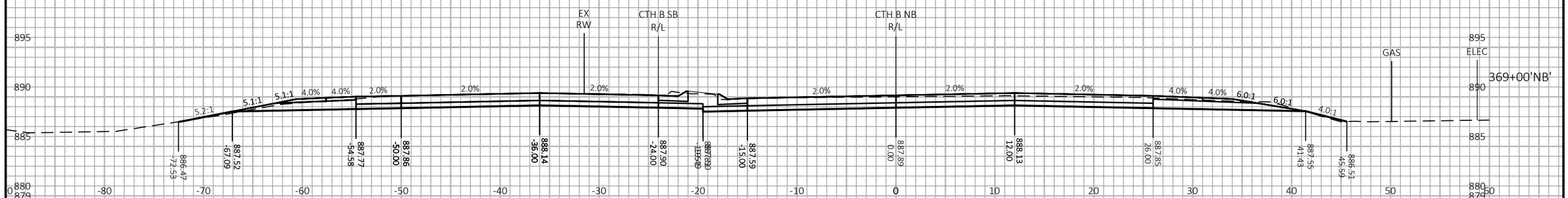
PLOT NAME :

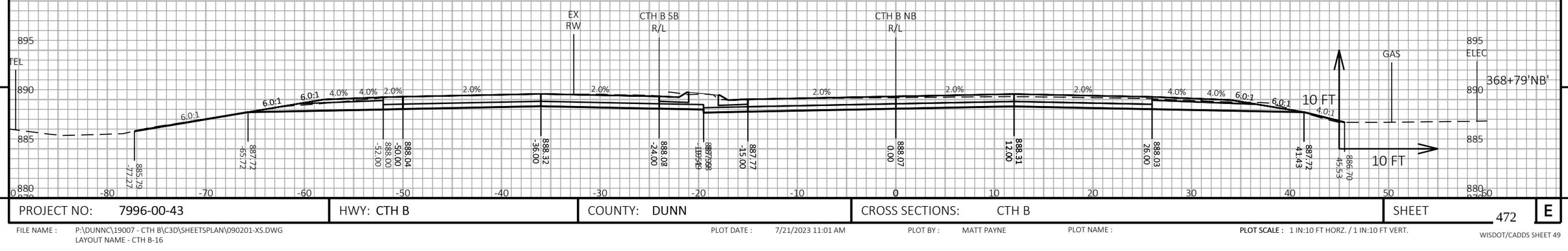
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49









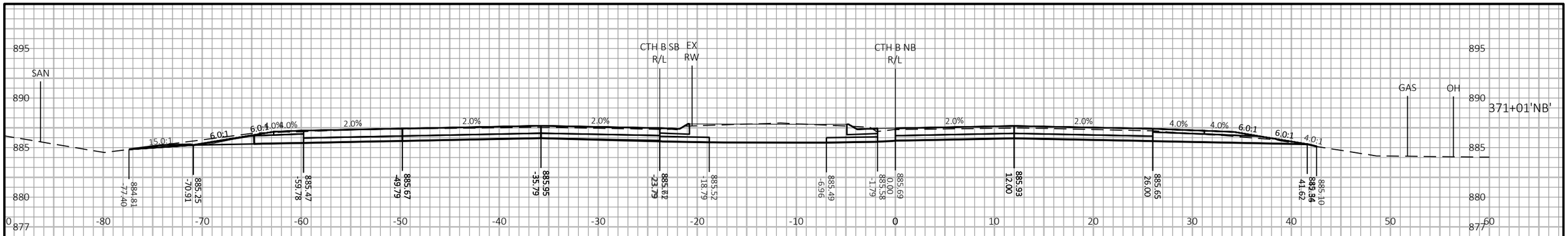
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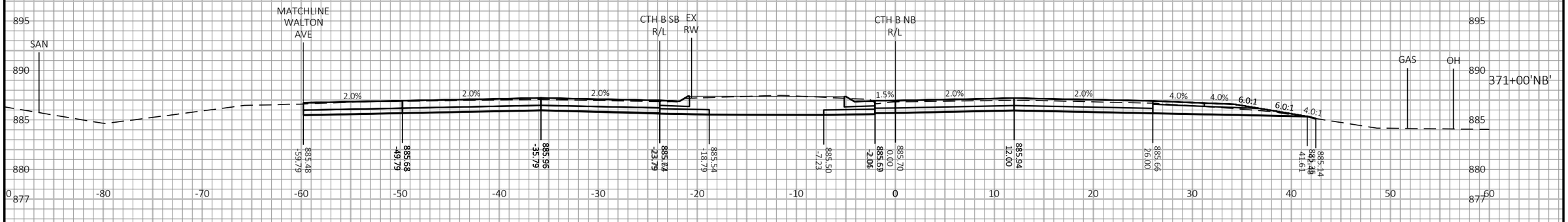
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 472	E

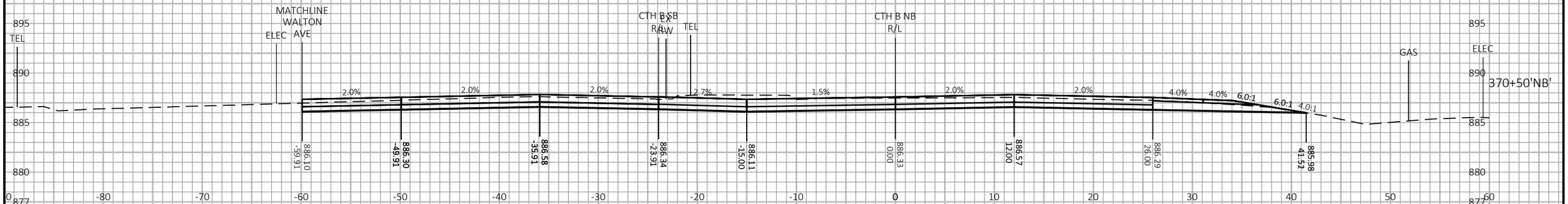
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-16

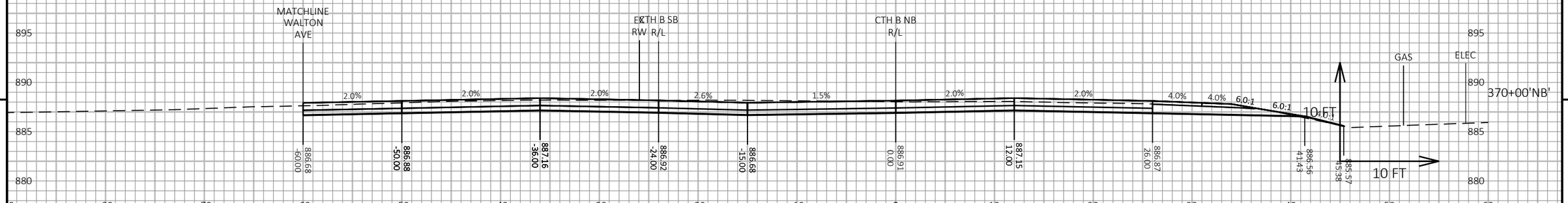
PLOT DATE : 7/21/2023 11:01 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49









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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 473	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-17

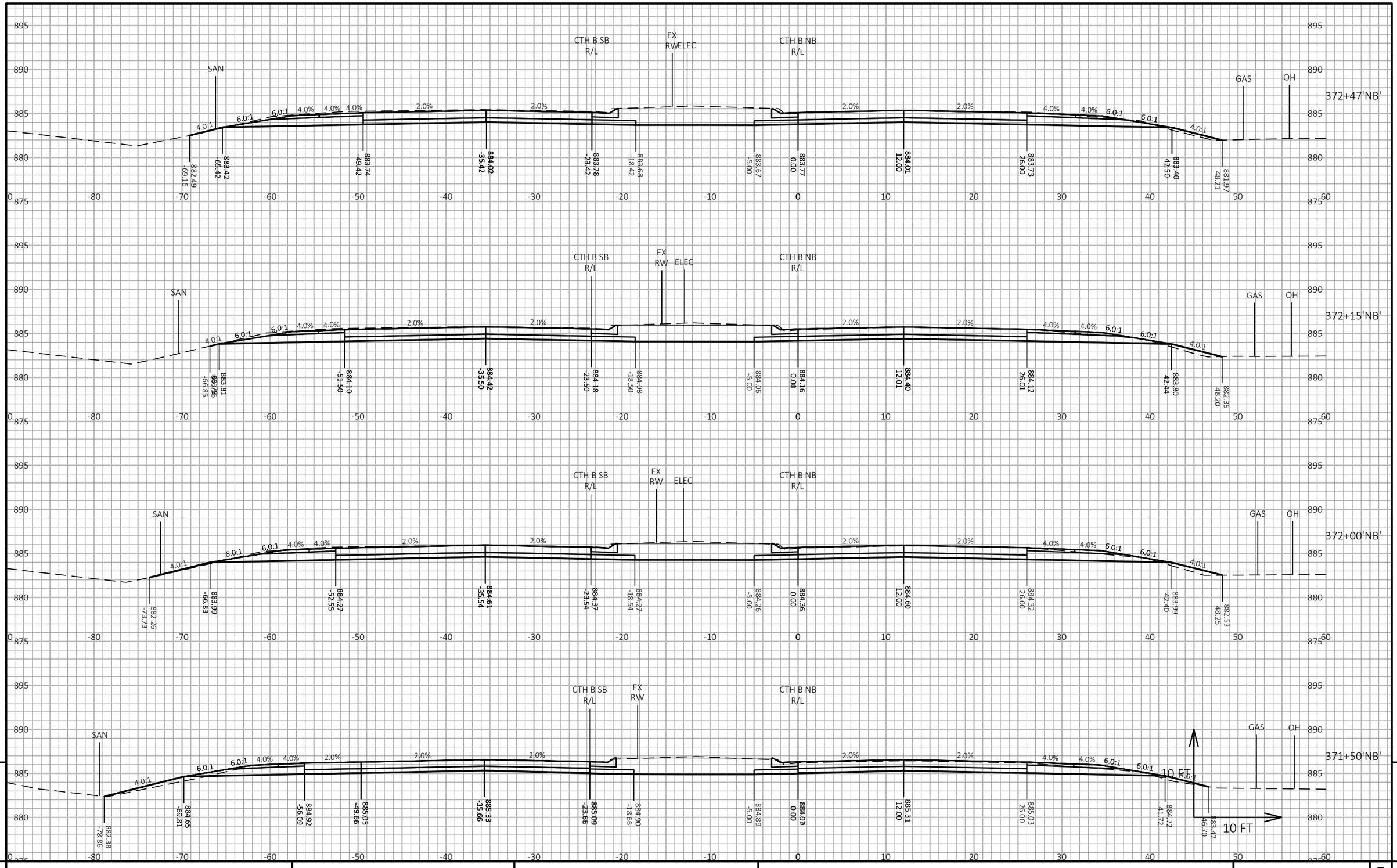
PLOT DATE : 7/21/2023 11:01 AM

PLOT BY : MATT PAYNE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

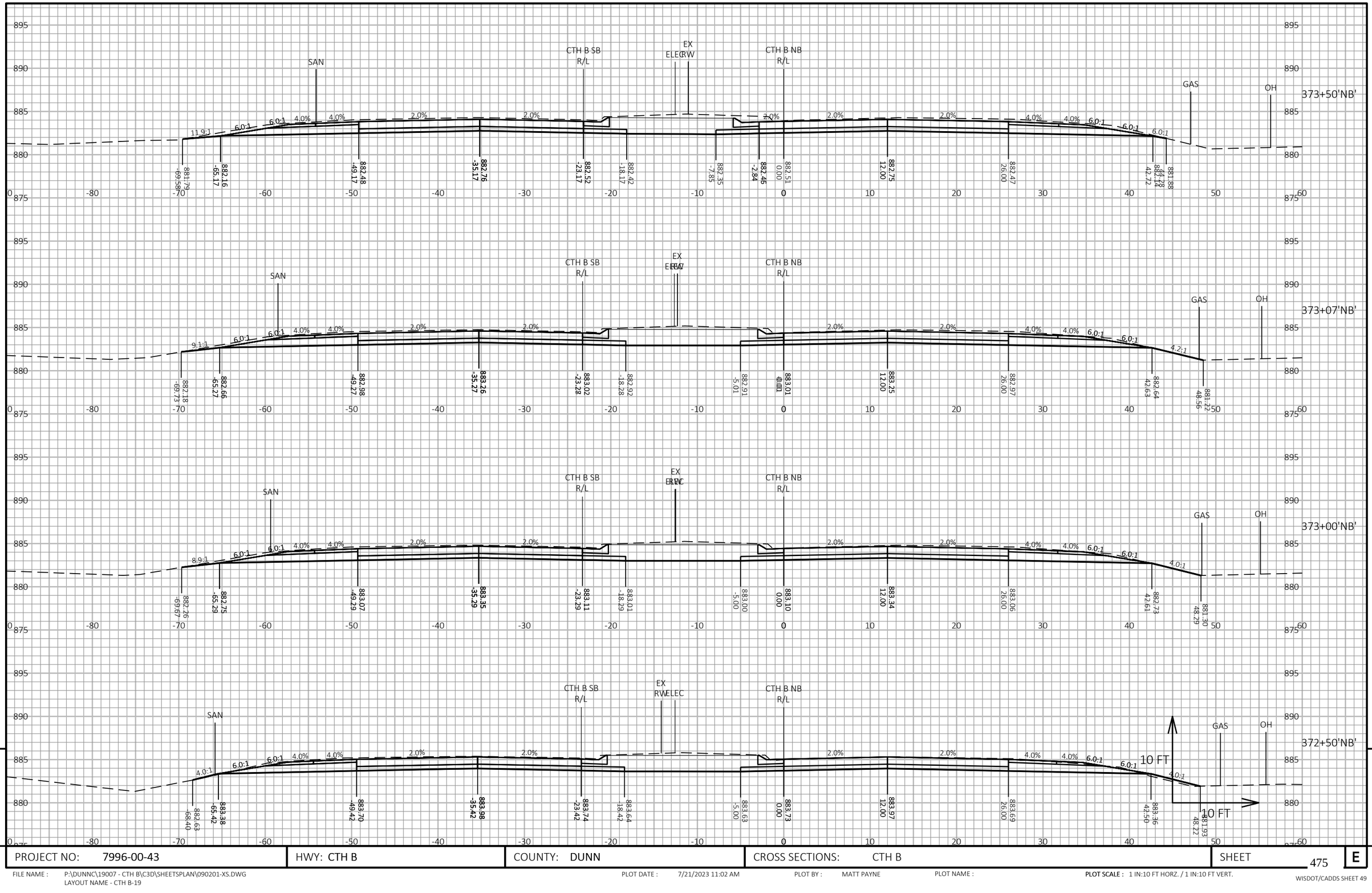
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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 474	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-18

PLOT DATE : 7/21/2023 11:02 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 475 E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-19

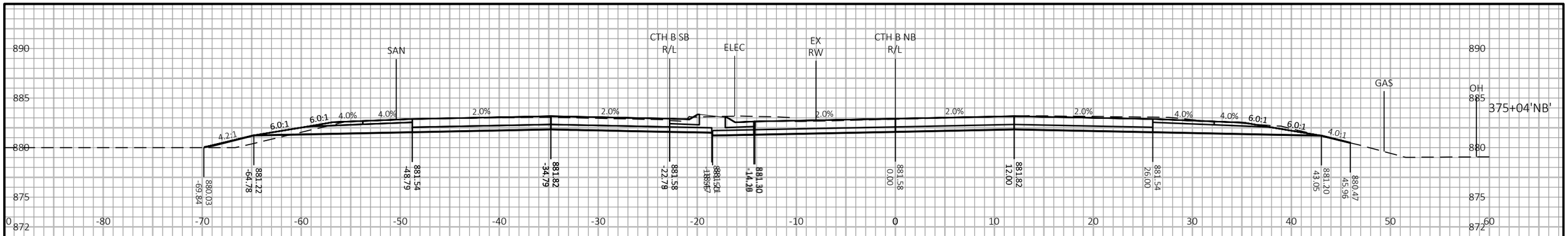
PLOT DATE : 7/21/2023 11:02 AM

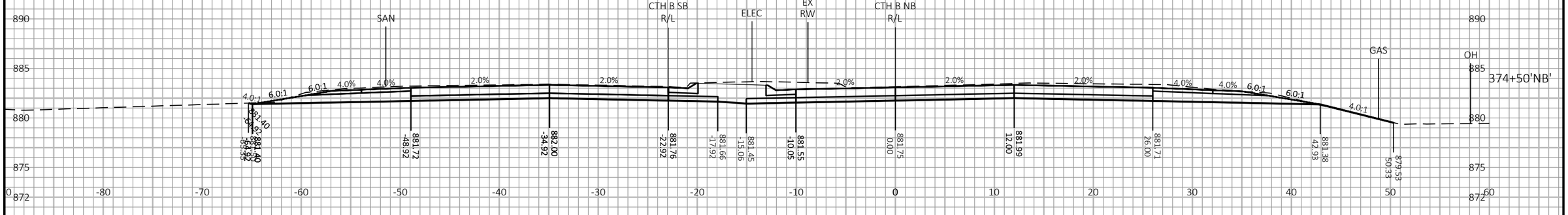
PLOT BY : MATT PAYNE

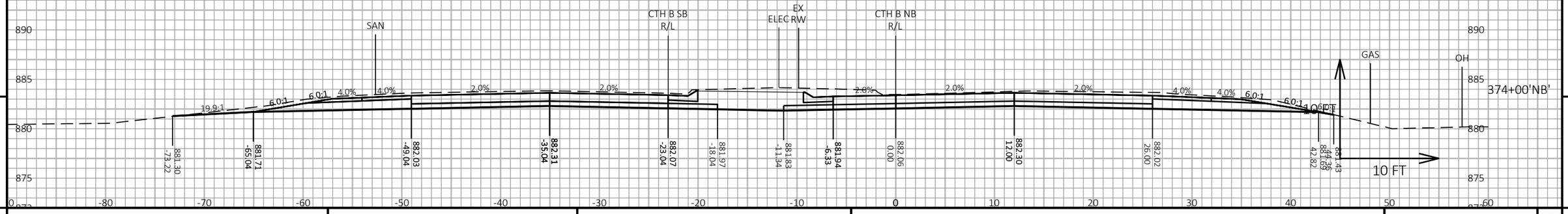
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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9

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 476	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-20

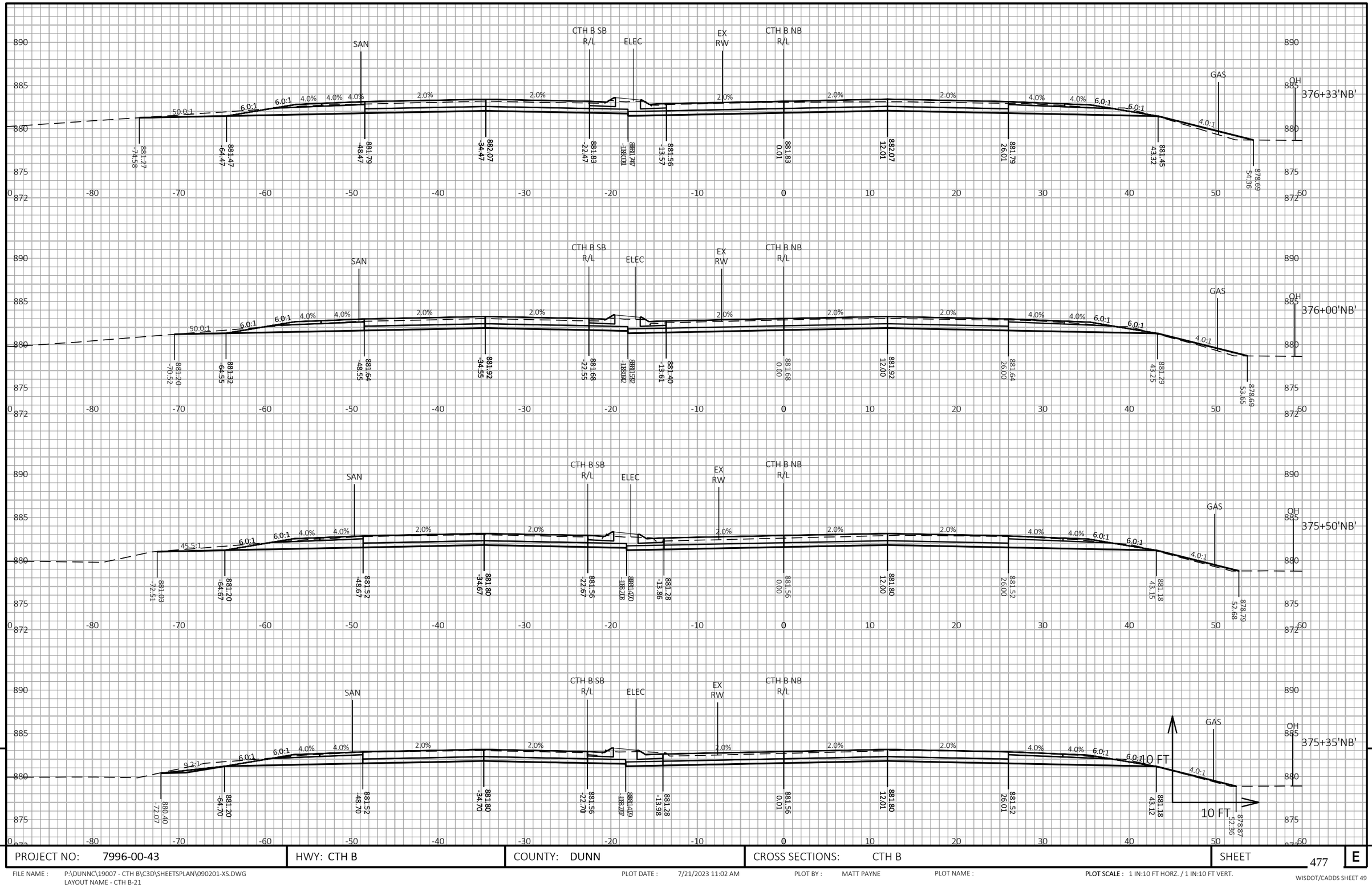
PLOT DATE : 7/21/2023 11:02 AM

PLOT BY : MATT PAYNE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

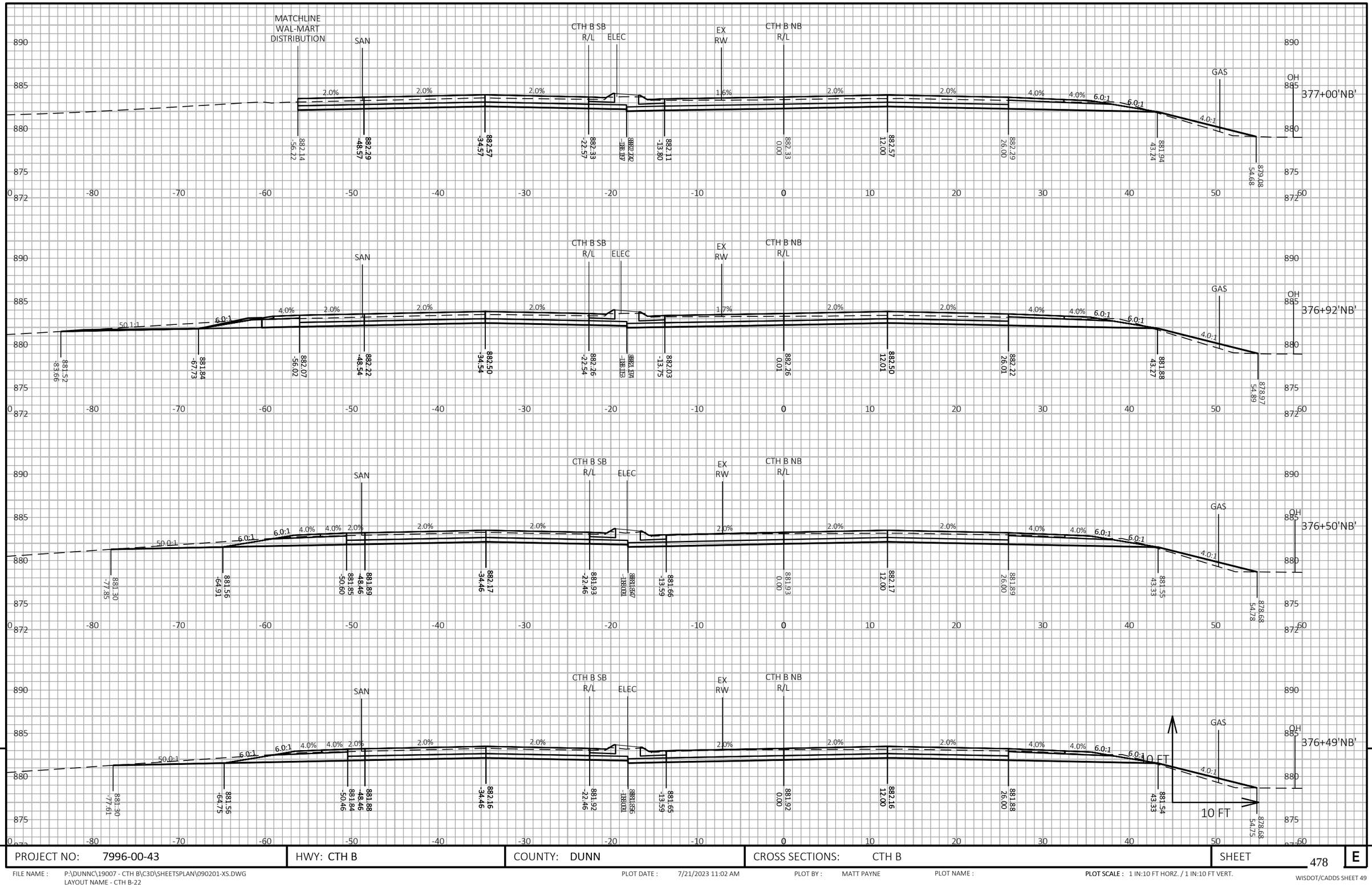


PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 477	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-21

PLOT DATE : 7/21/2023 11:02 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 478	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-22

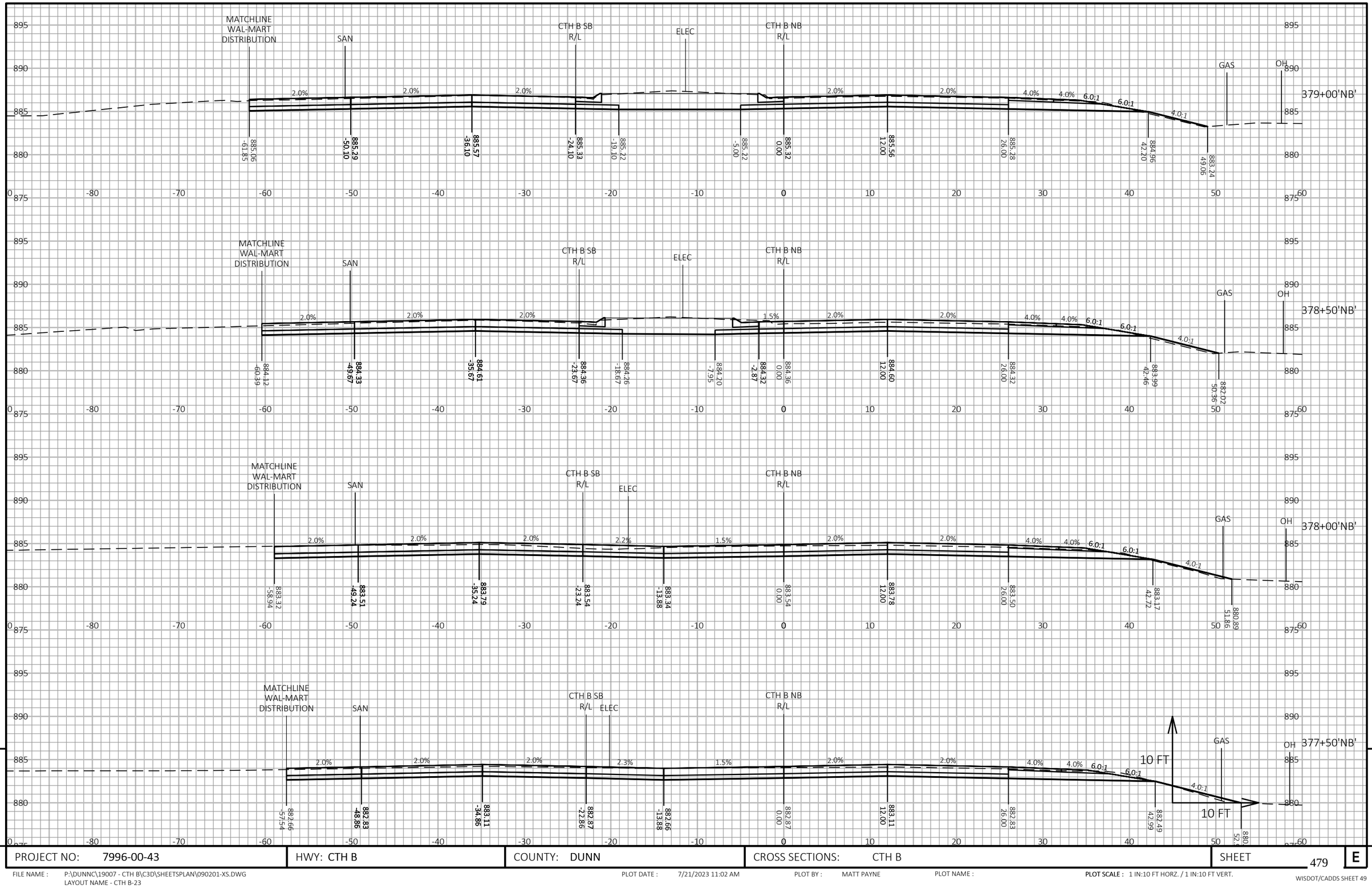
PLOT DATE : 7/21/2023 11:02 AM

PLOT BY : MATT PAYNE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 479	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-23

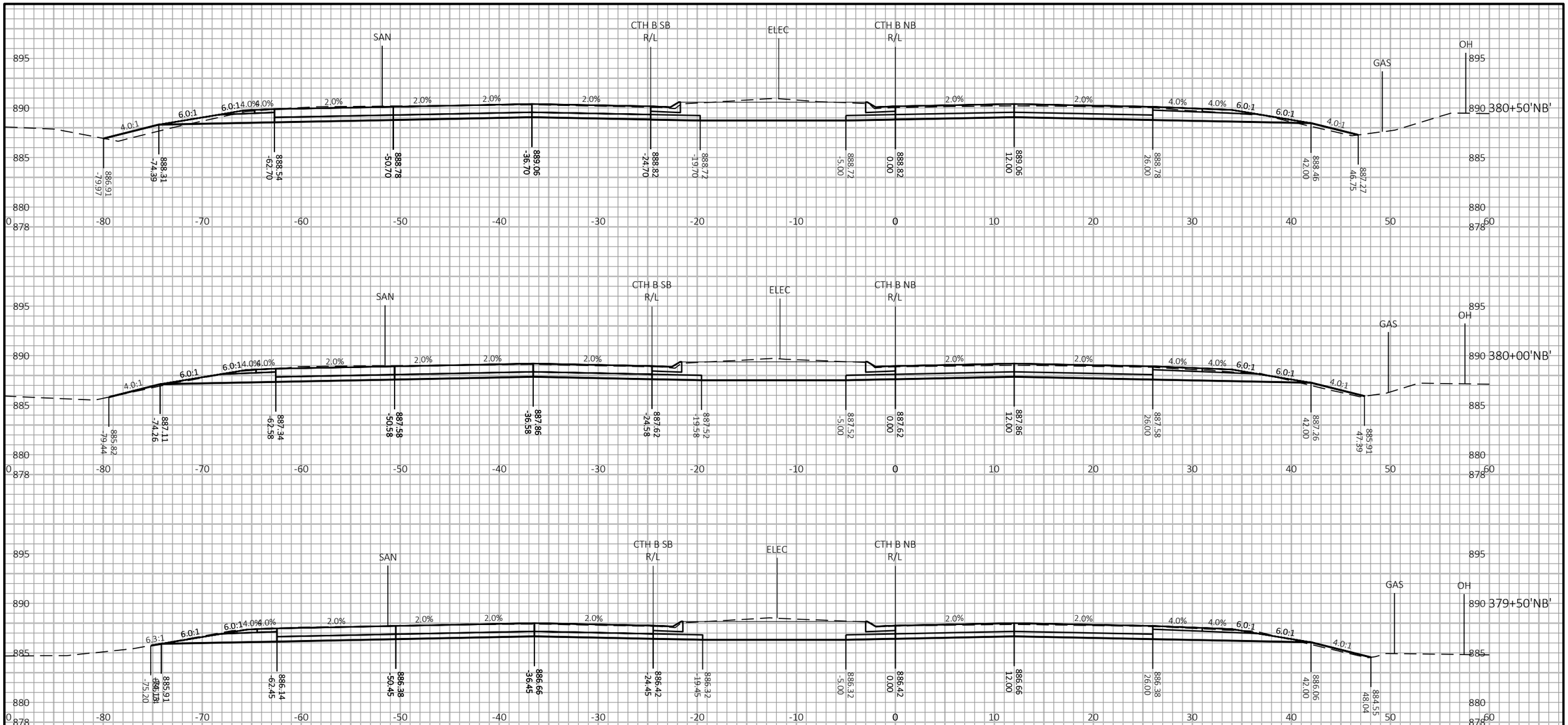
PLOT DATE : 7/21/2023 11:02 AM

PLOT BY : MATT PAYNE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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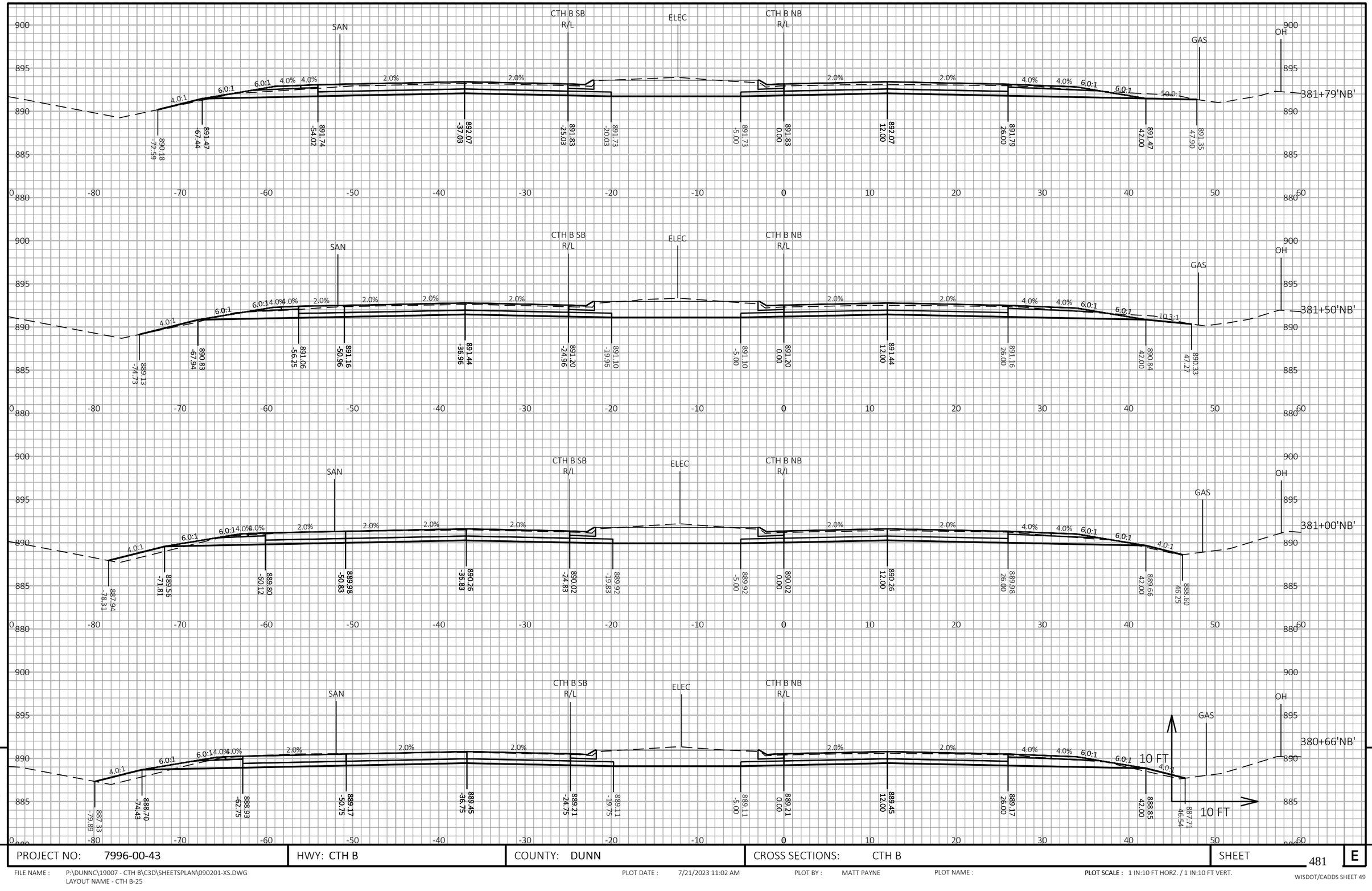
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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 480	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-24

PLOT DATE : 7/21/2023 11:02 AM PLOT BY : MATT PAYNE 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: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 481	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-25

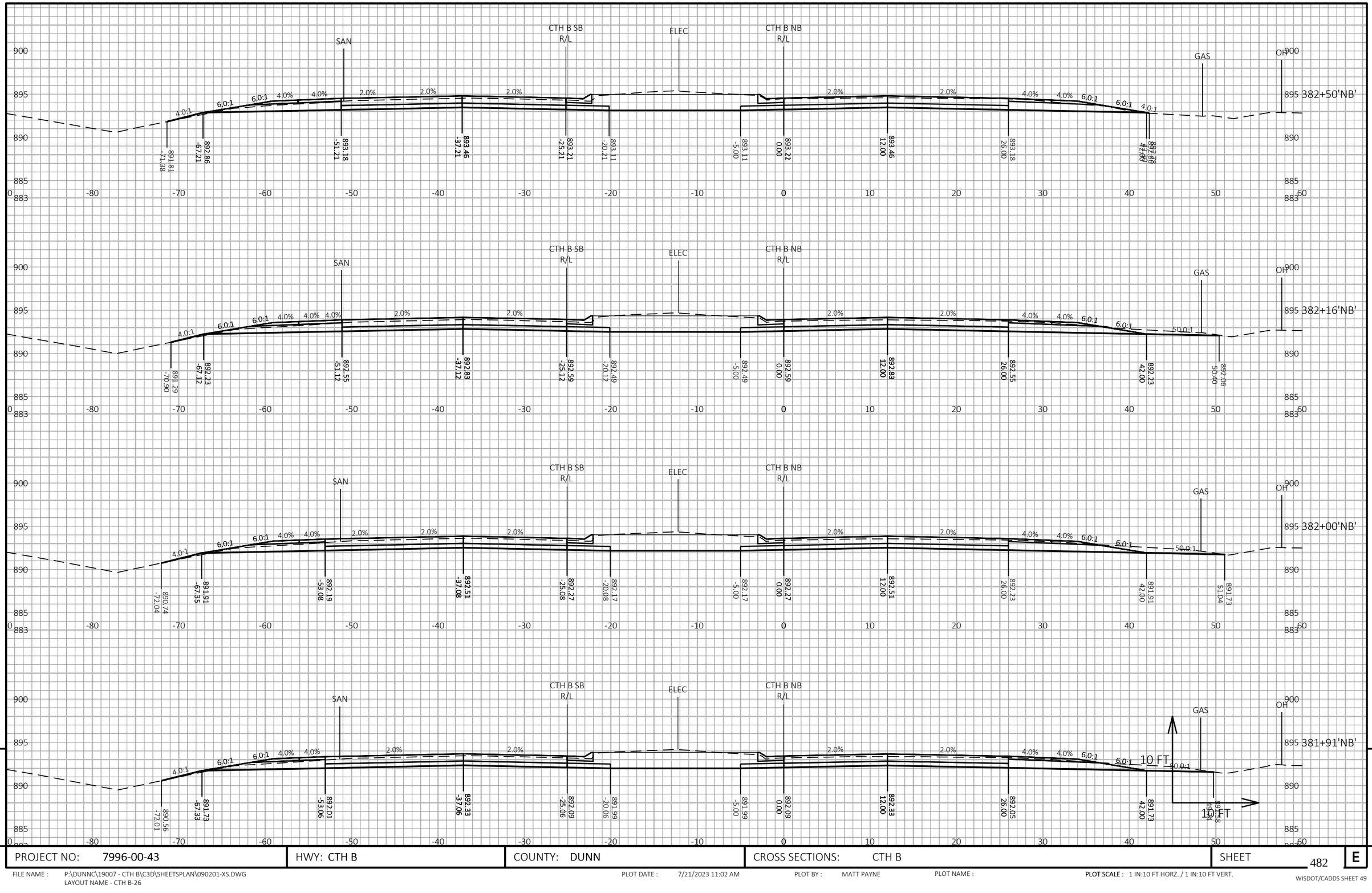
PLOT DATE : 7/21/2023 11:02 AM

PLOT BY : MATT PAYNE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

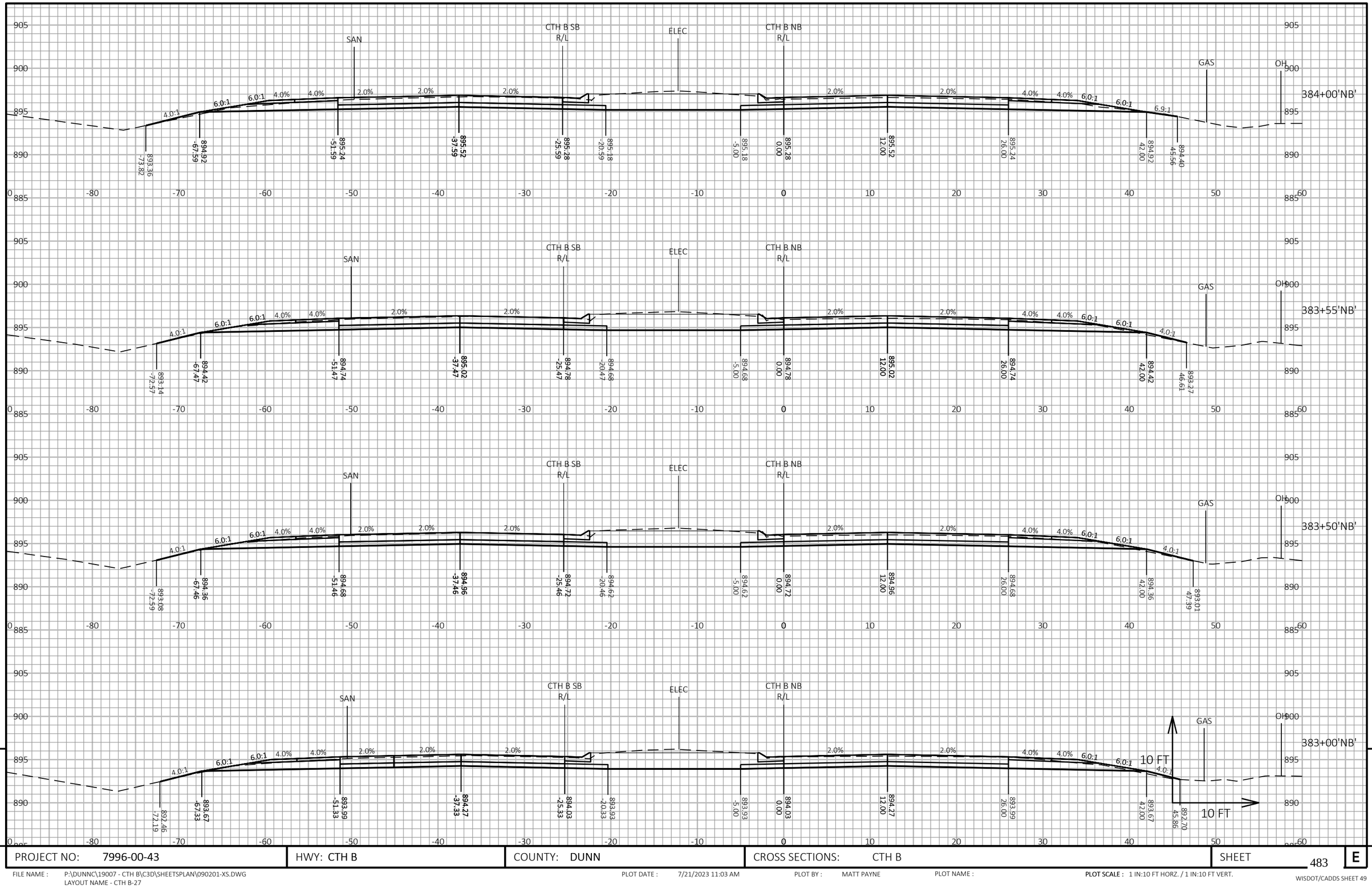
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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 482	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-26

PLOT DATE : 7/21/2023 11:02 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

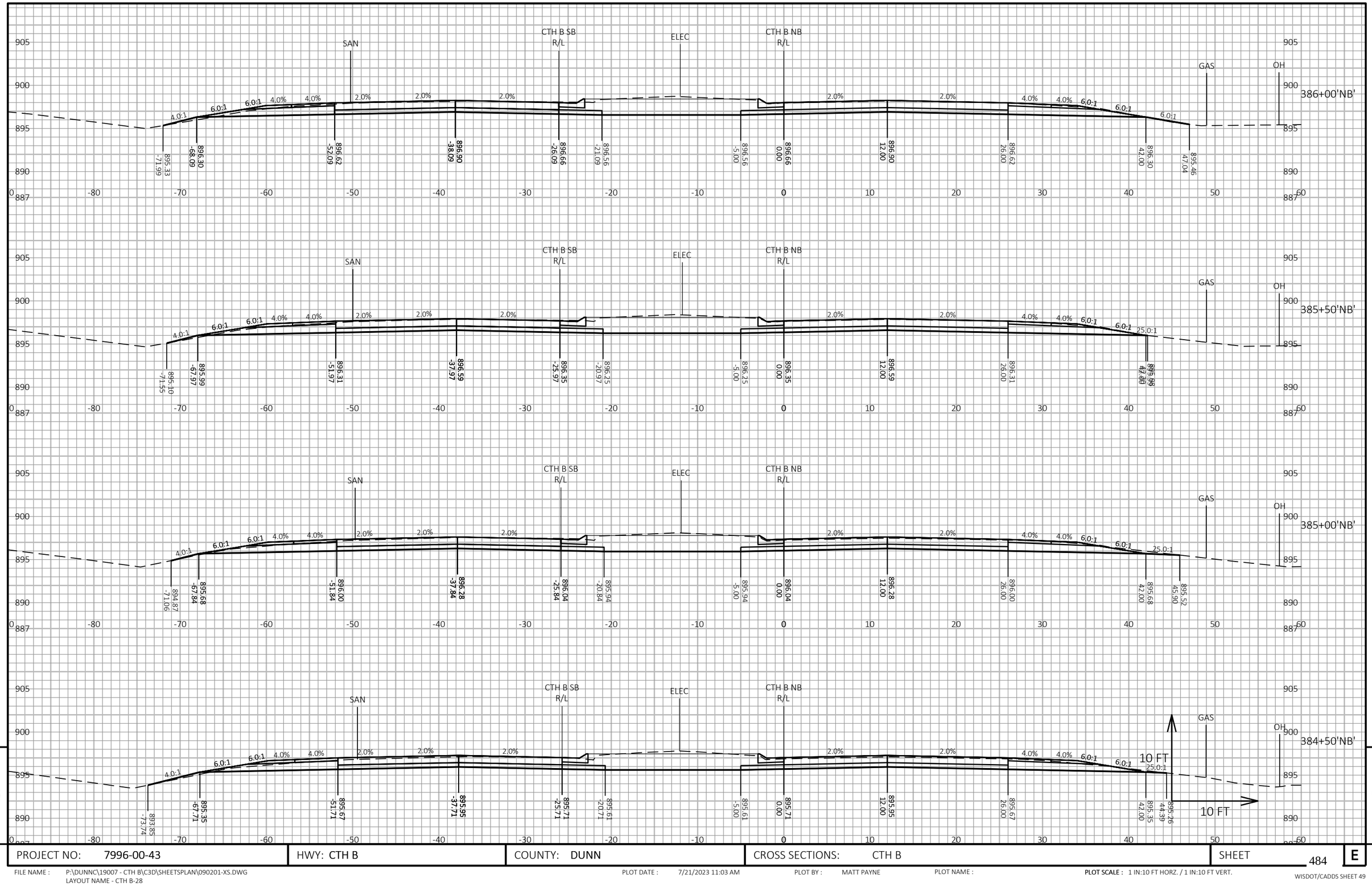


PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 483	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-27

PLOT DATE : 7/21/2023 11:03 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

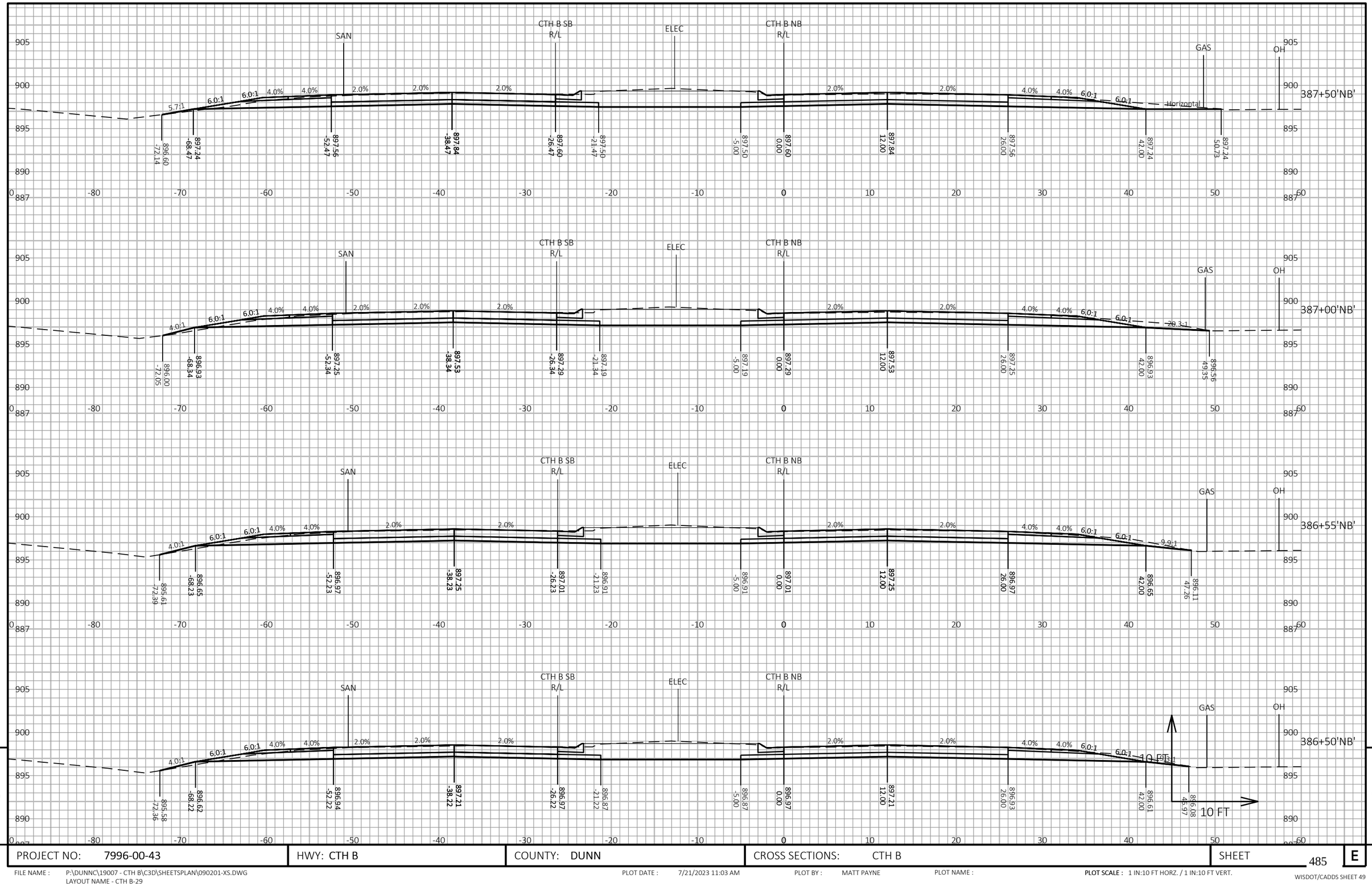
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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 484	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-28

PLOT DATE : 7/21/2023 11:03 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

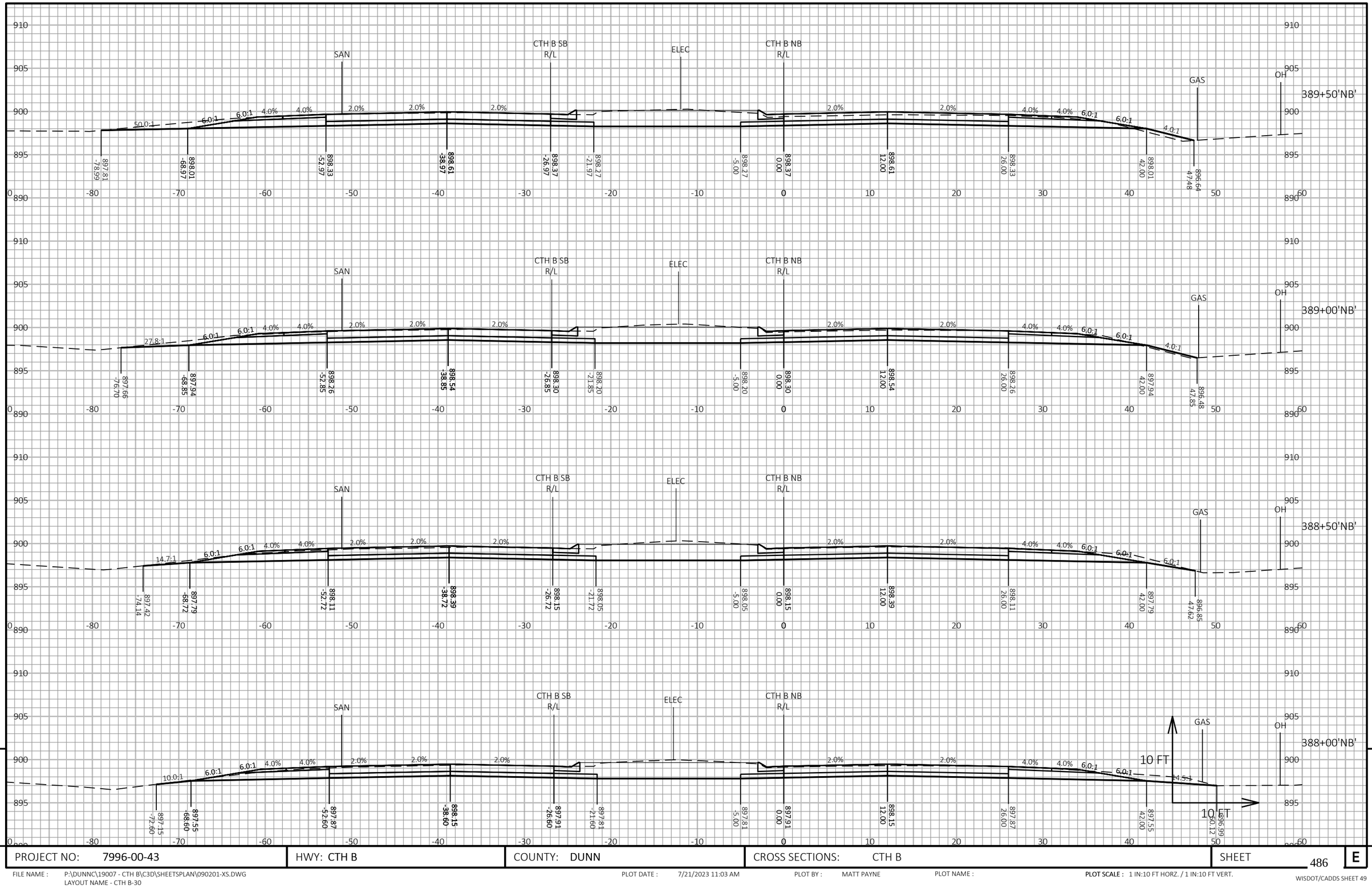
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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 485	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-29

PLOT DATE : 7/21/2023 11:03 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

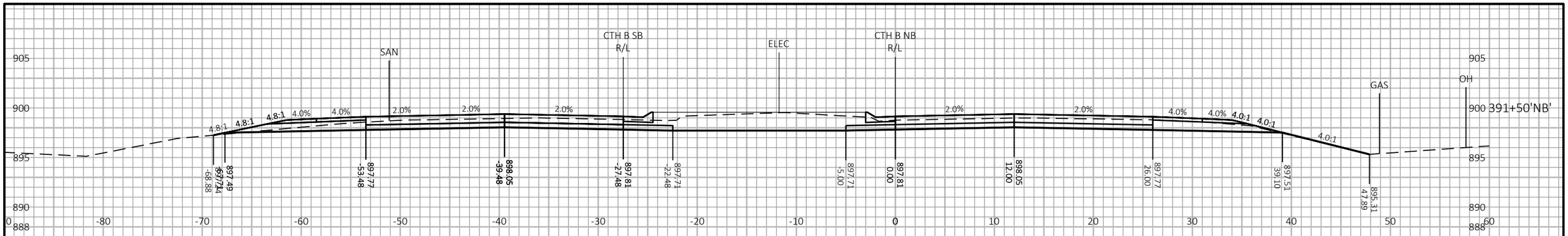
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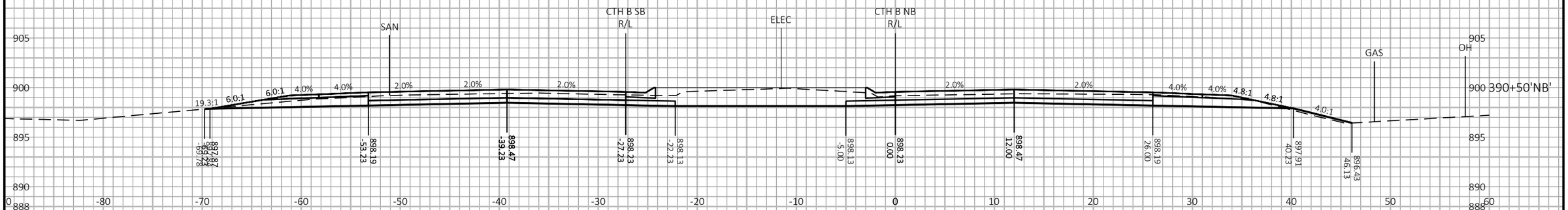
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 486	E

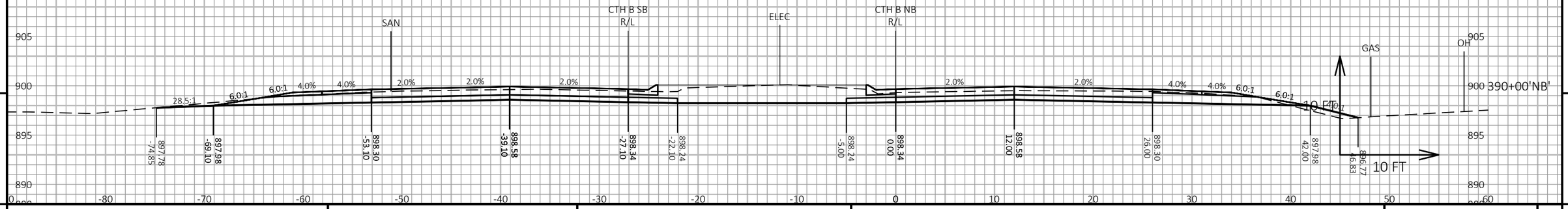
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-30

PLOT DATE : 7/21/2023 11:03 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 487	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-31

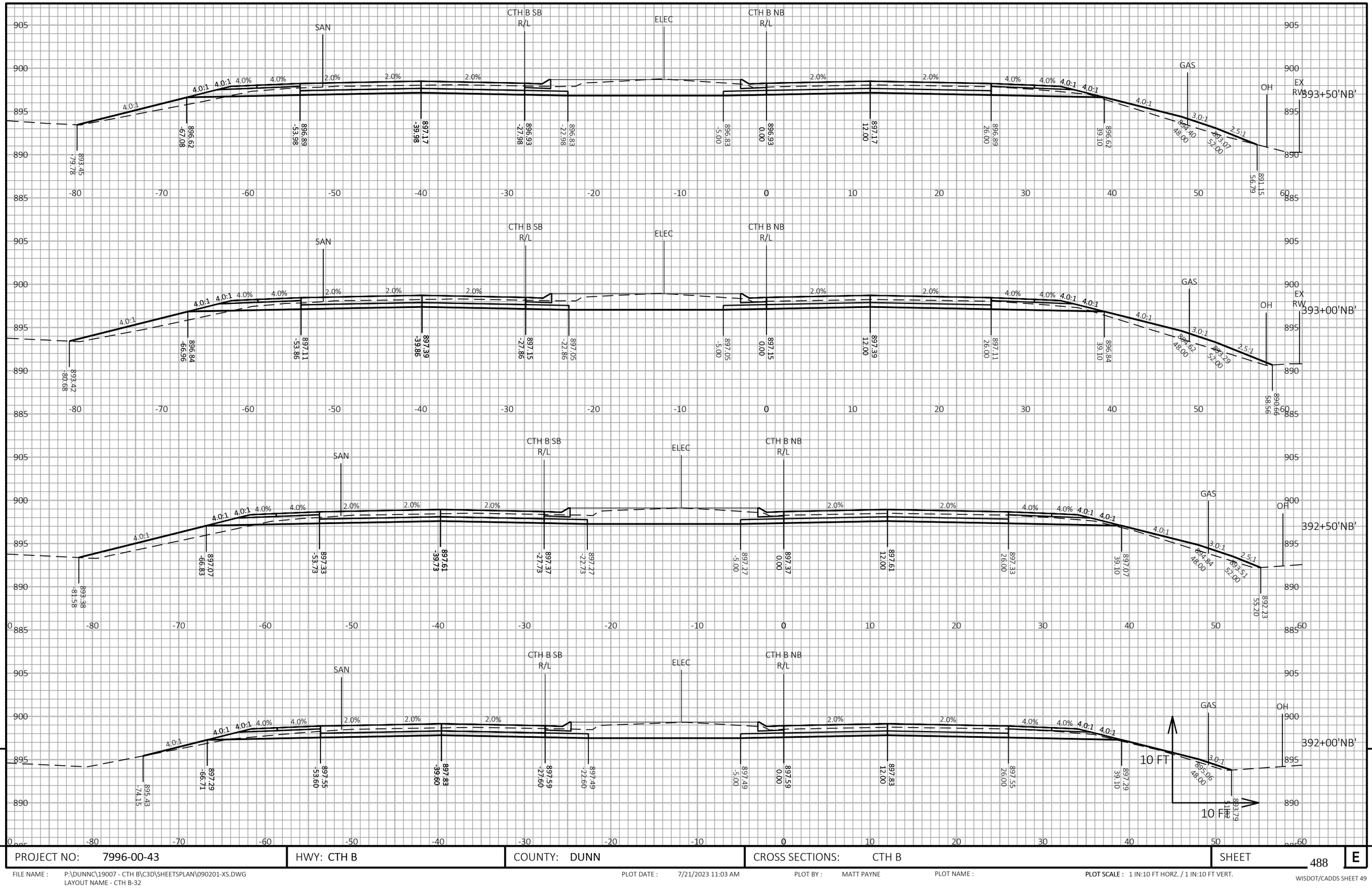
PLOT DATE : 7/21/2023 11:03 AM

PLOT BY : MATT PAYNE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 488 E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-32

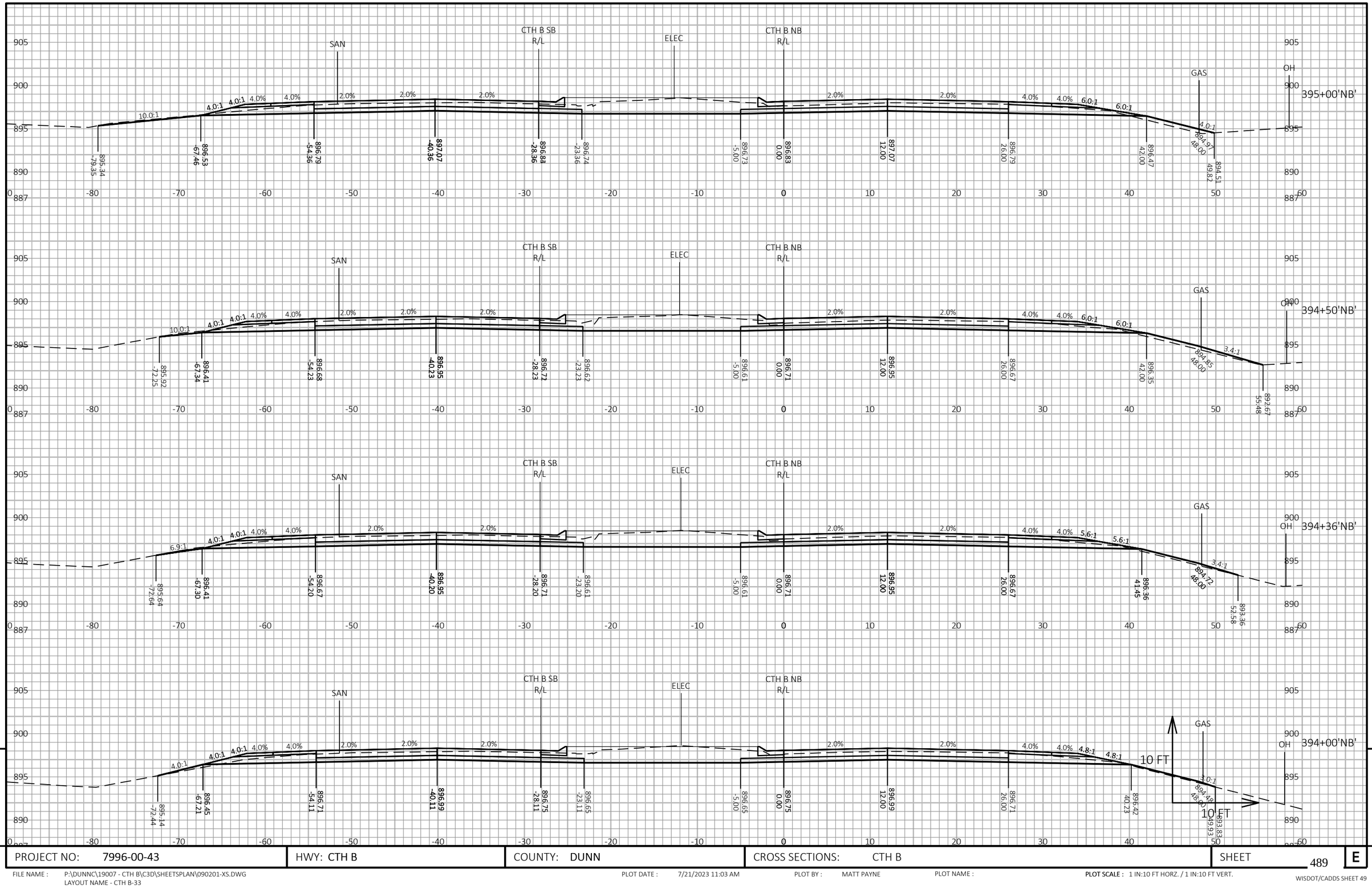
PLOT DATE : 7/21/2023 11:03 AM

PLOT BY : MATT PAYNE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

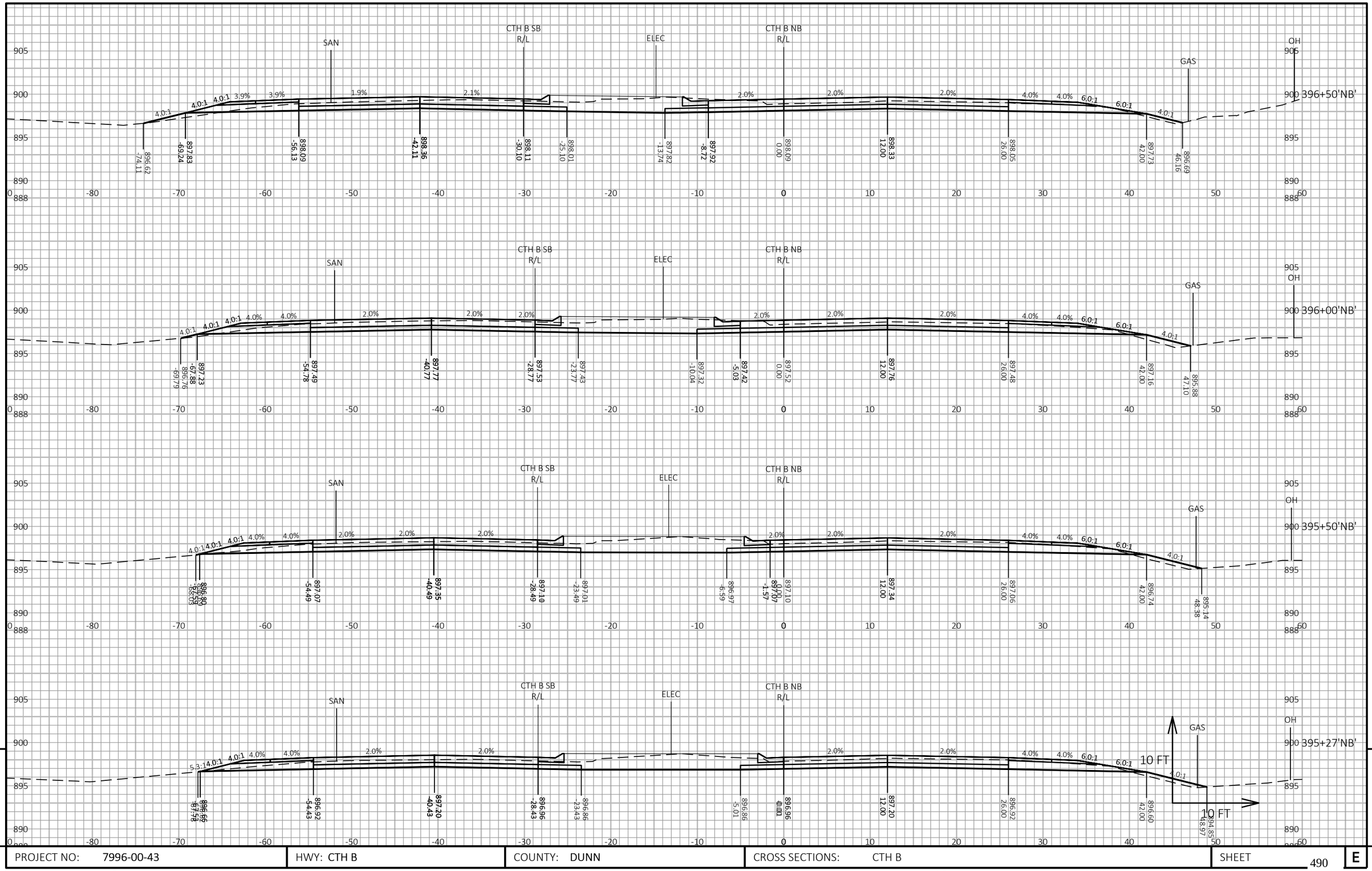
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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 489	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-33

PLOT DATE : 7/21/2023 11:03 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

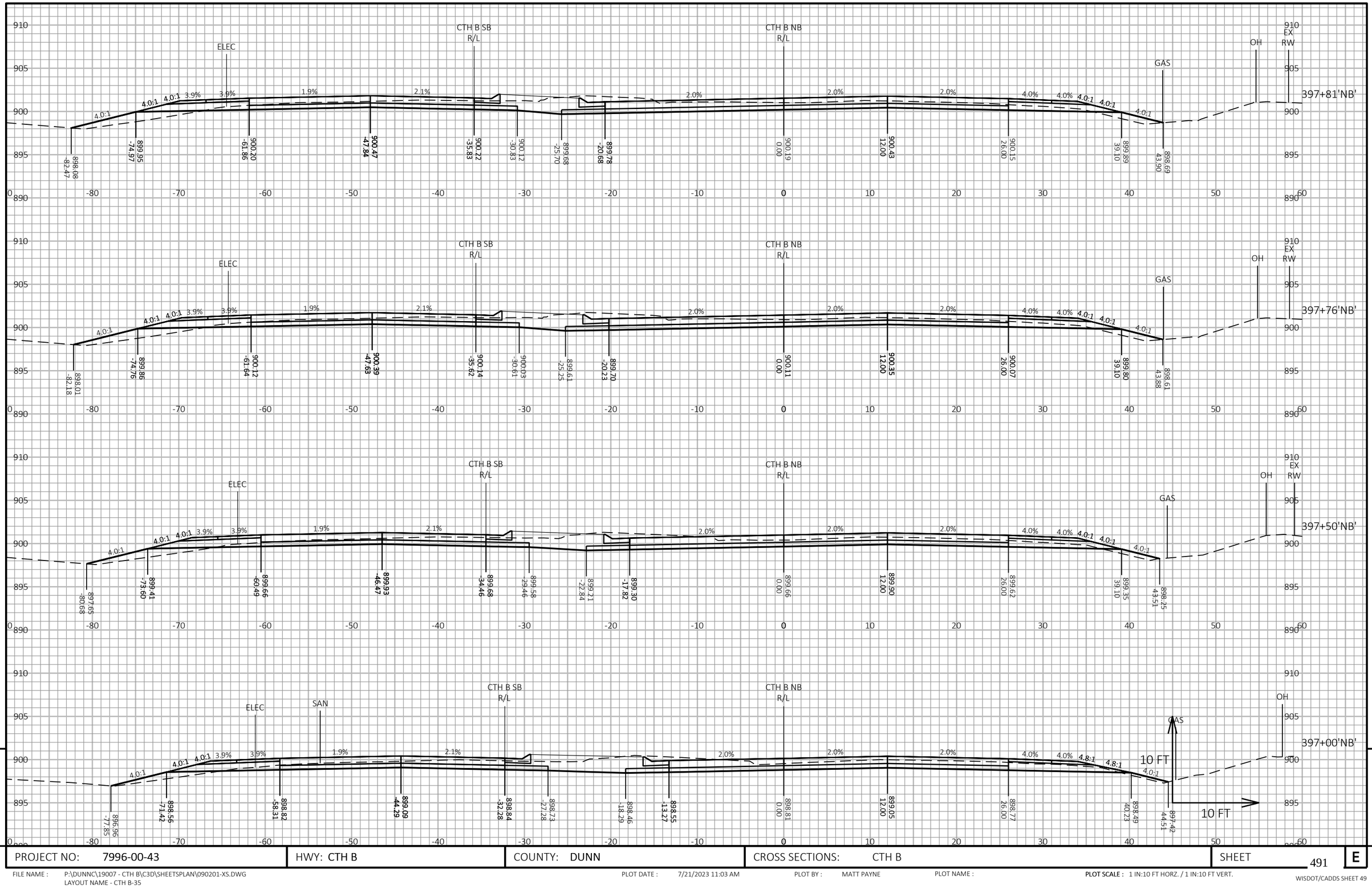
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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 490	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-34

PLOT DATE : 7/21/2023 11:03 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

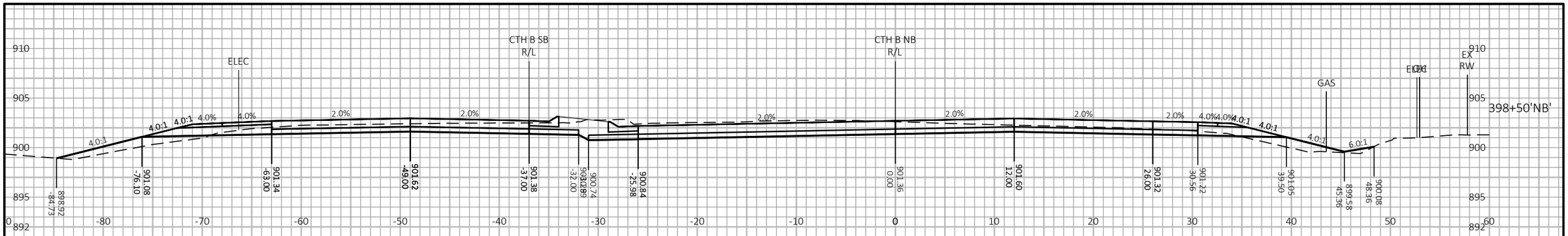
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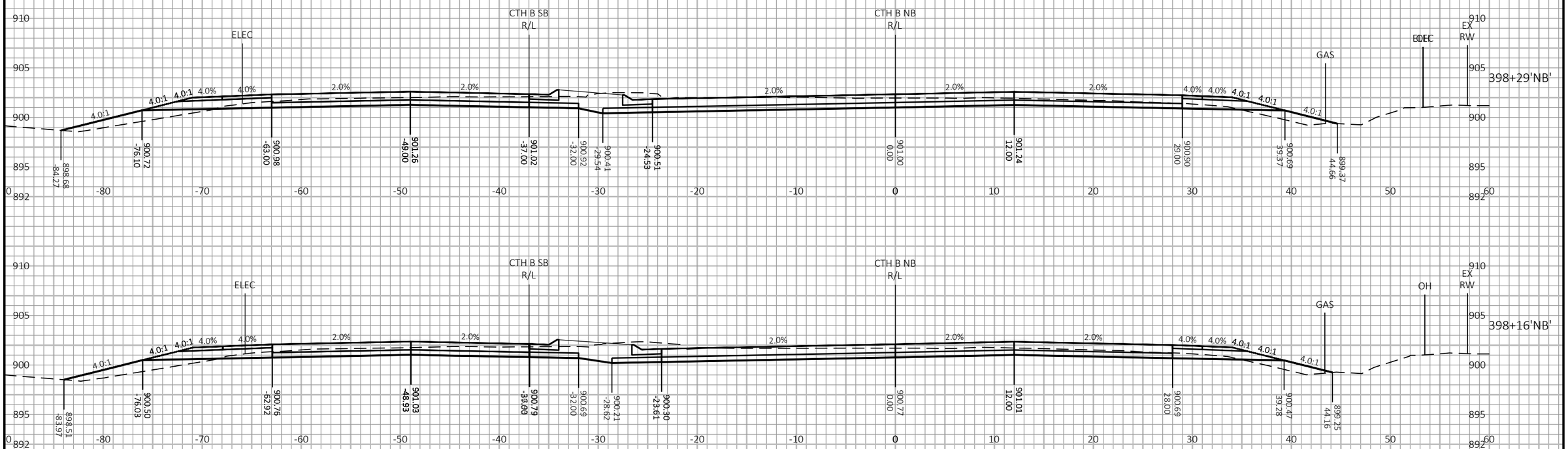
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 491	E

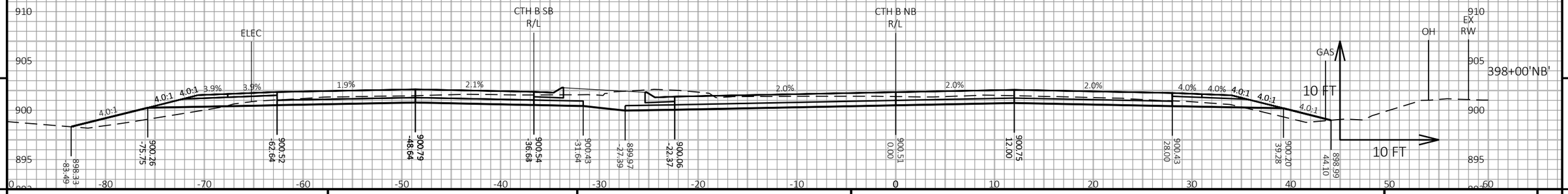
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-35

PLOT DATE : 7/21/2023 11:03 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 492	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-36

PLOT DATE : 7/21/2023 11:04 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 493 E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-37

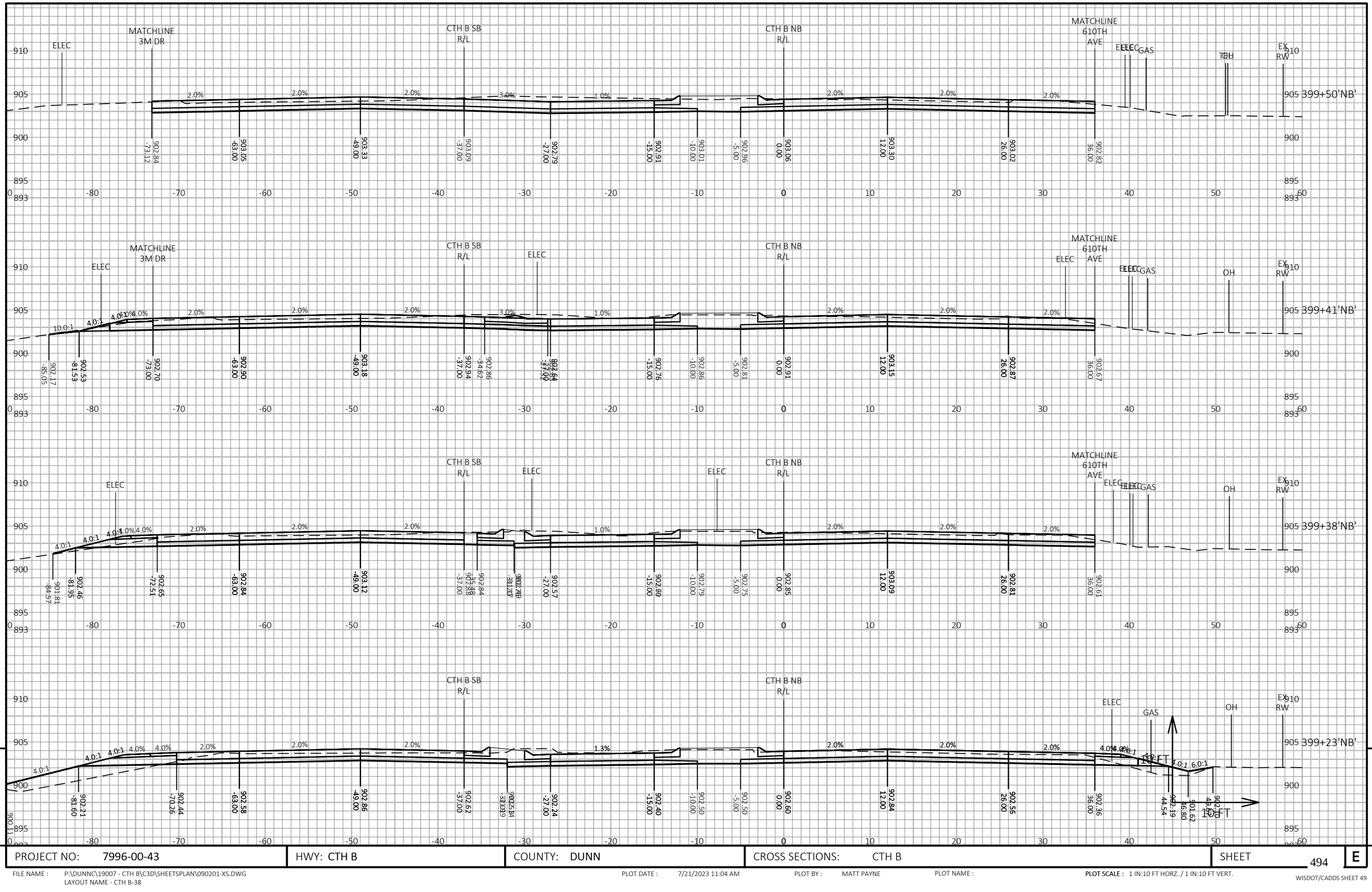
PLOT DATE : 7/21/2023 11:04 AM

PLOT BY : MATT PAYNE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 494	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-38

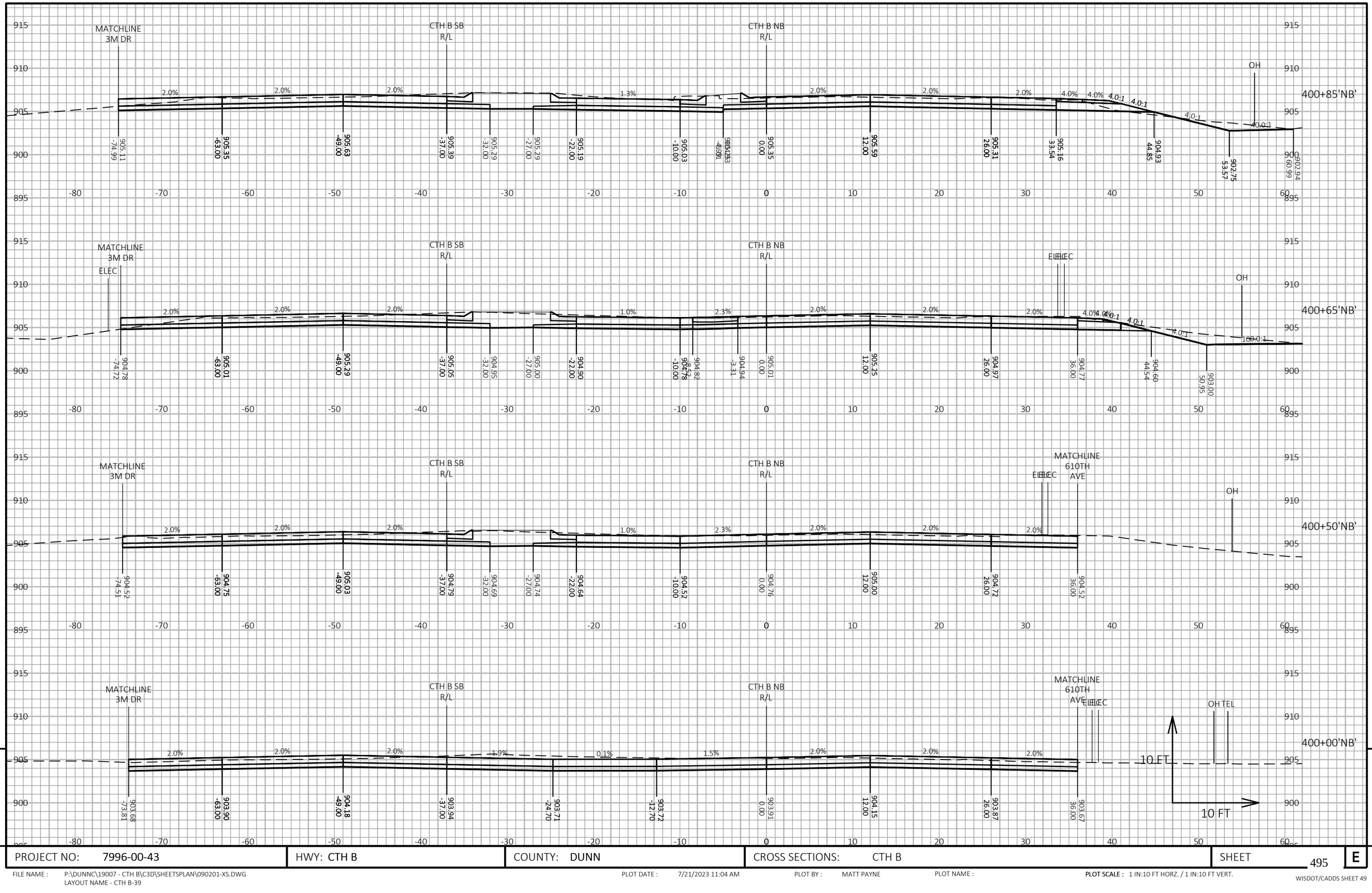
PLOT DATE : 7/21/2023 11:04 AM

PLOT BY : MATT PAYNE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 495	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-39

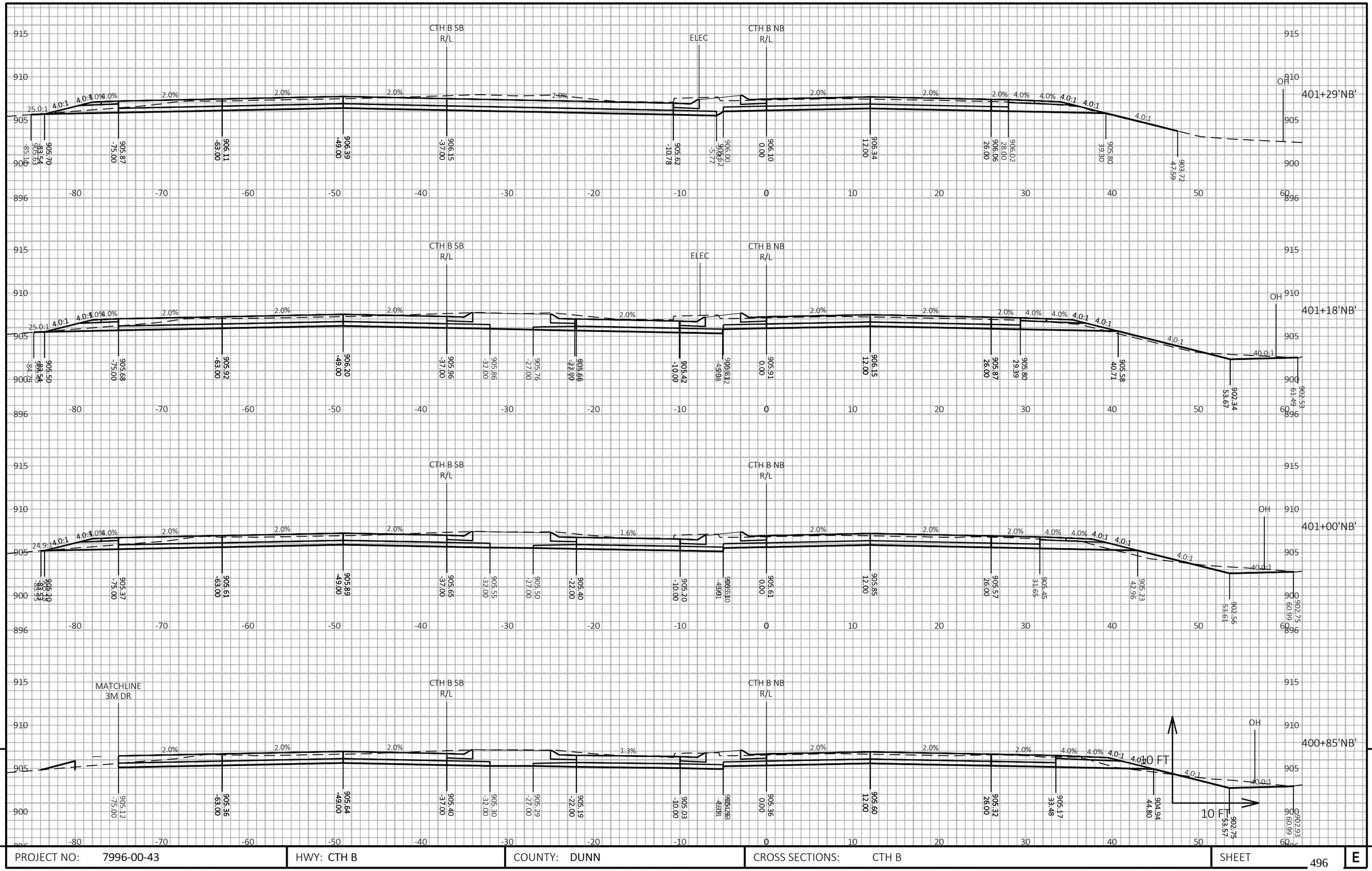
PLOT DATE : 7/21/2023 11:04 AM

PLOT BY : MATT PAYNE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

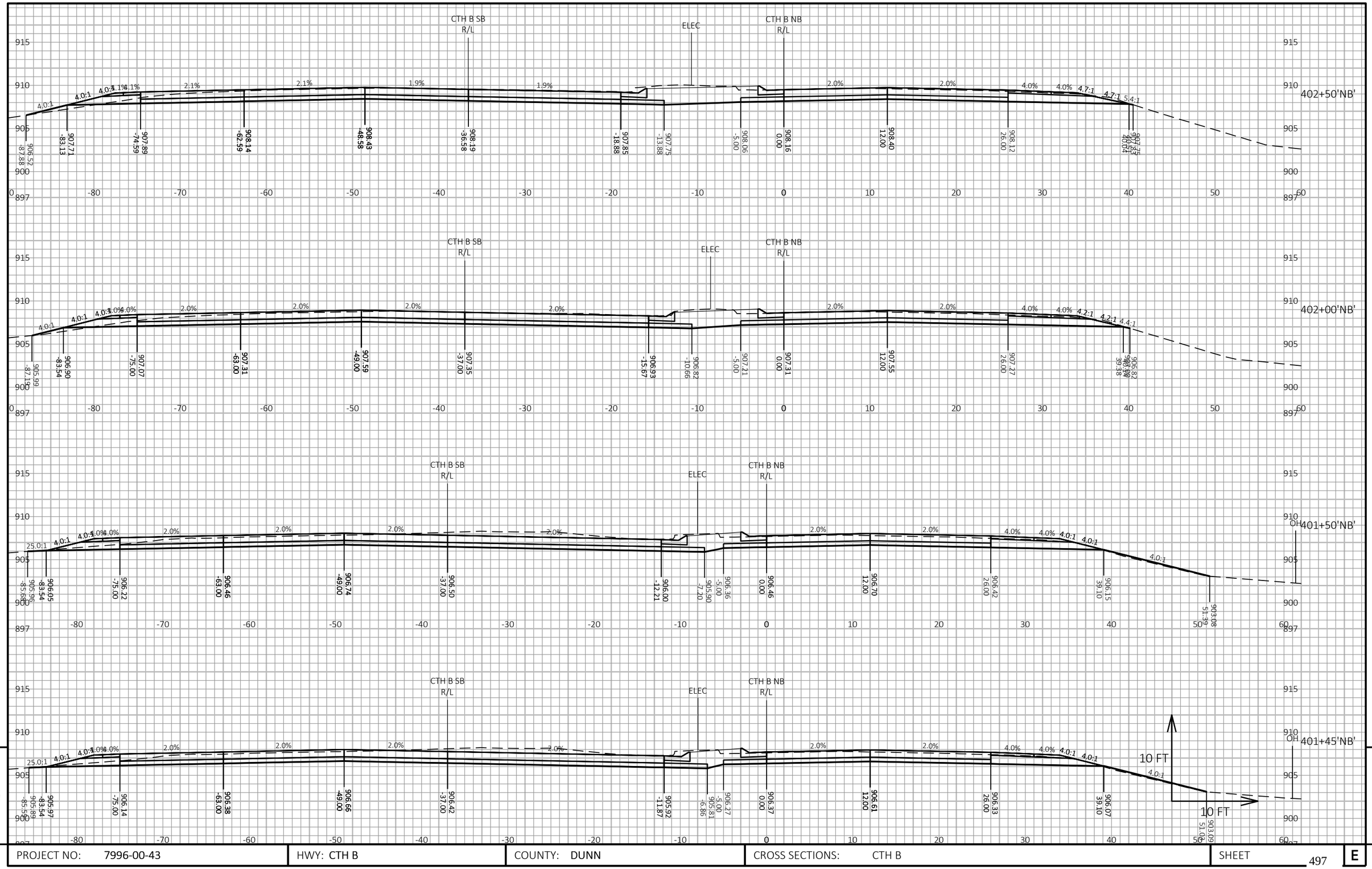


PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 496 E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-40

PLOT DATE : 7/21/2023 11:04 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

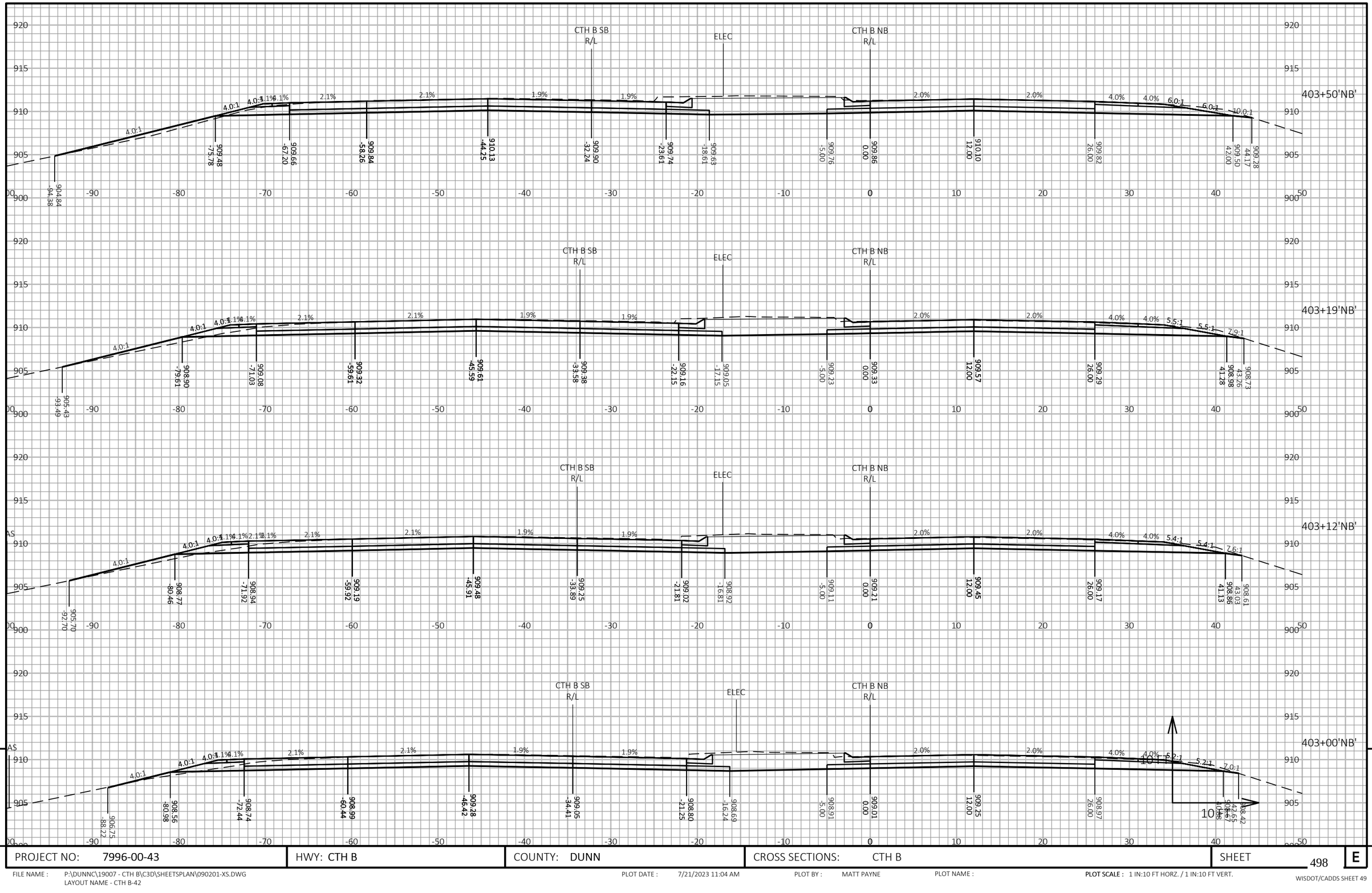


PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 497	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-41

PLOT DATE : 7/21/2023 11:04 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

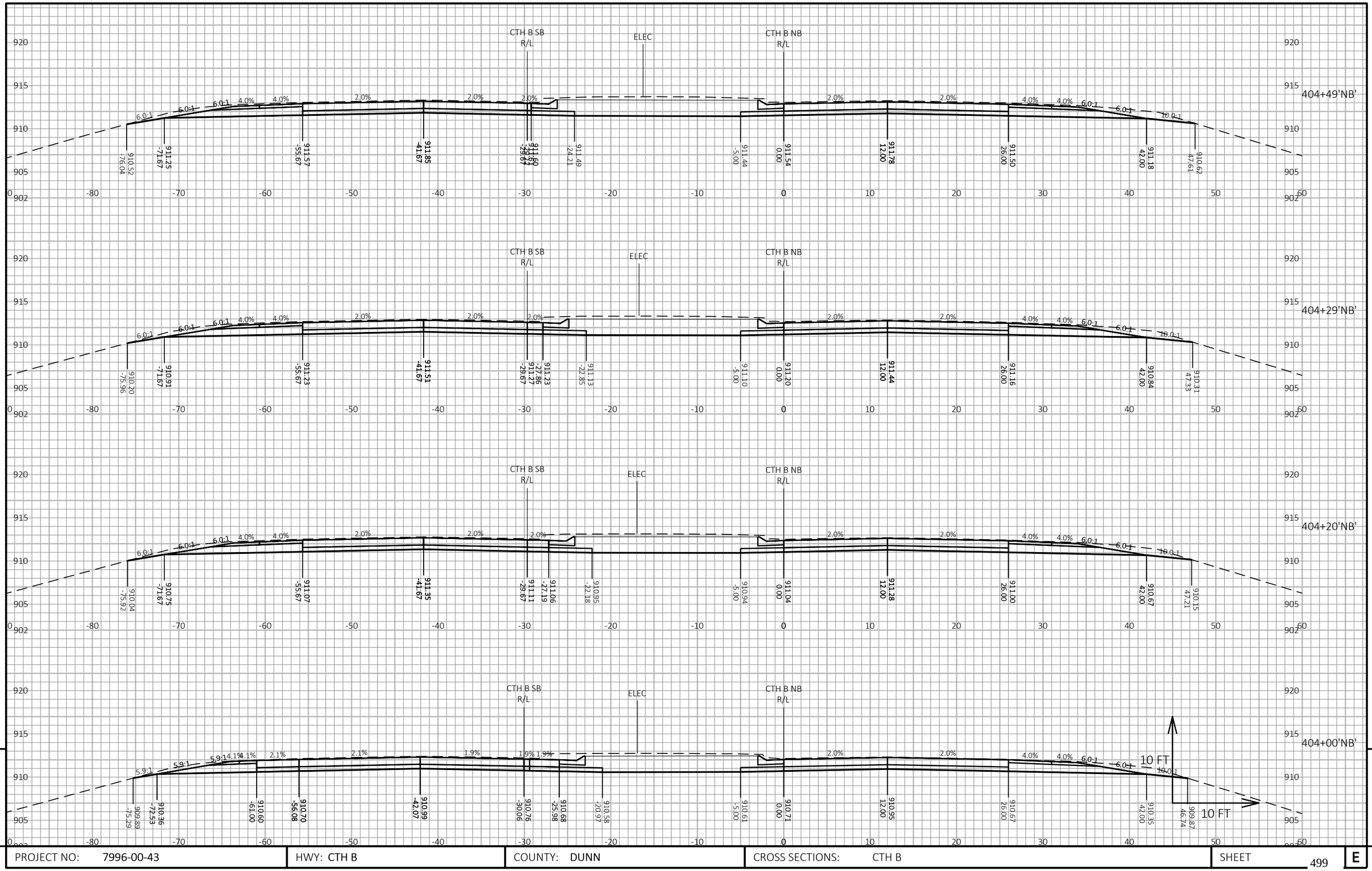


PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 498 E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-42

PLOT DATE : 7/21/2023 11:04 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

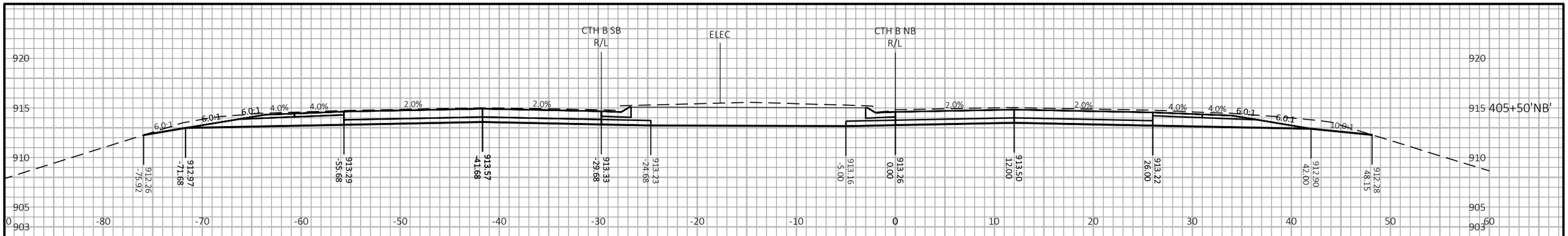


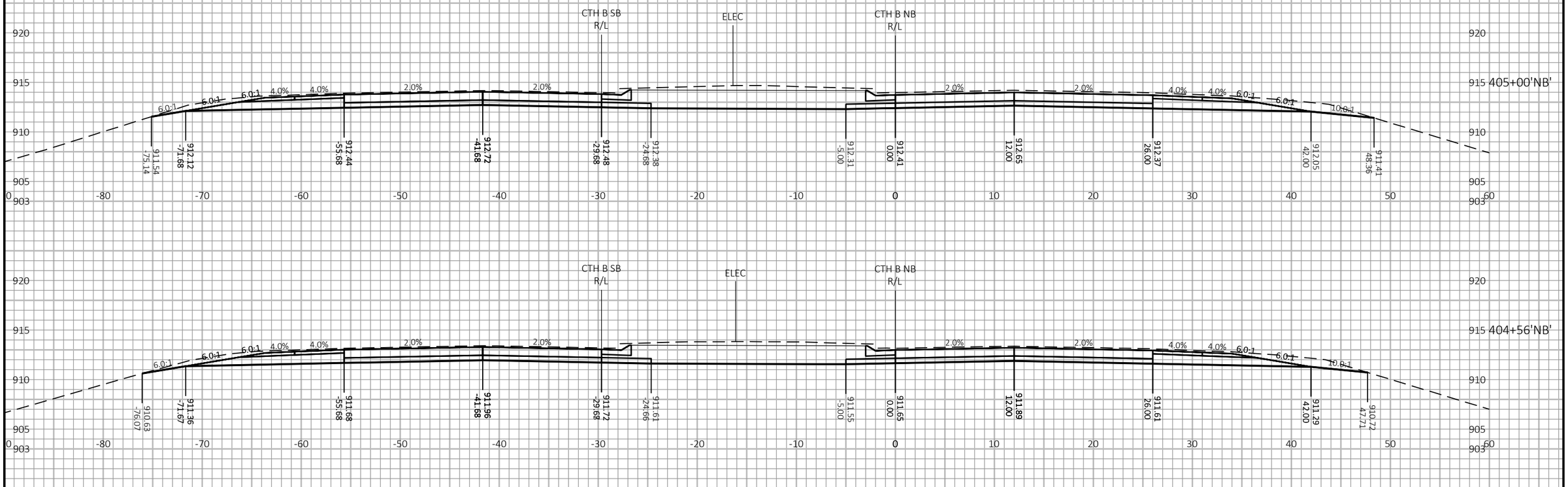
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 499	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-43

PLOT DATE : 7/21/2023 11:04 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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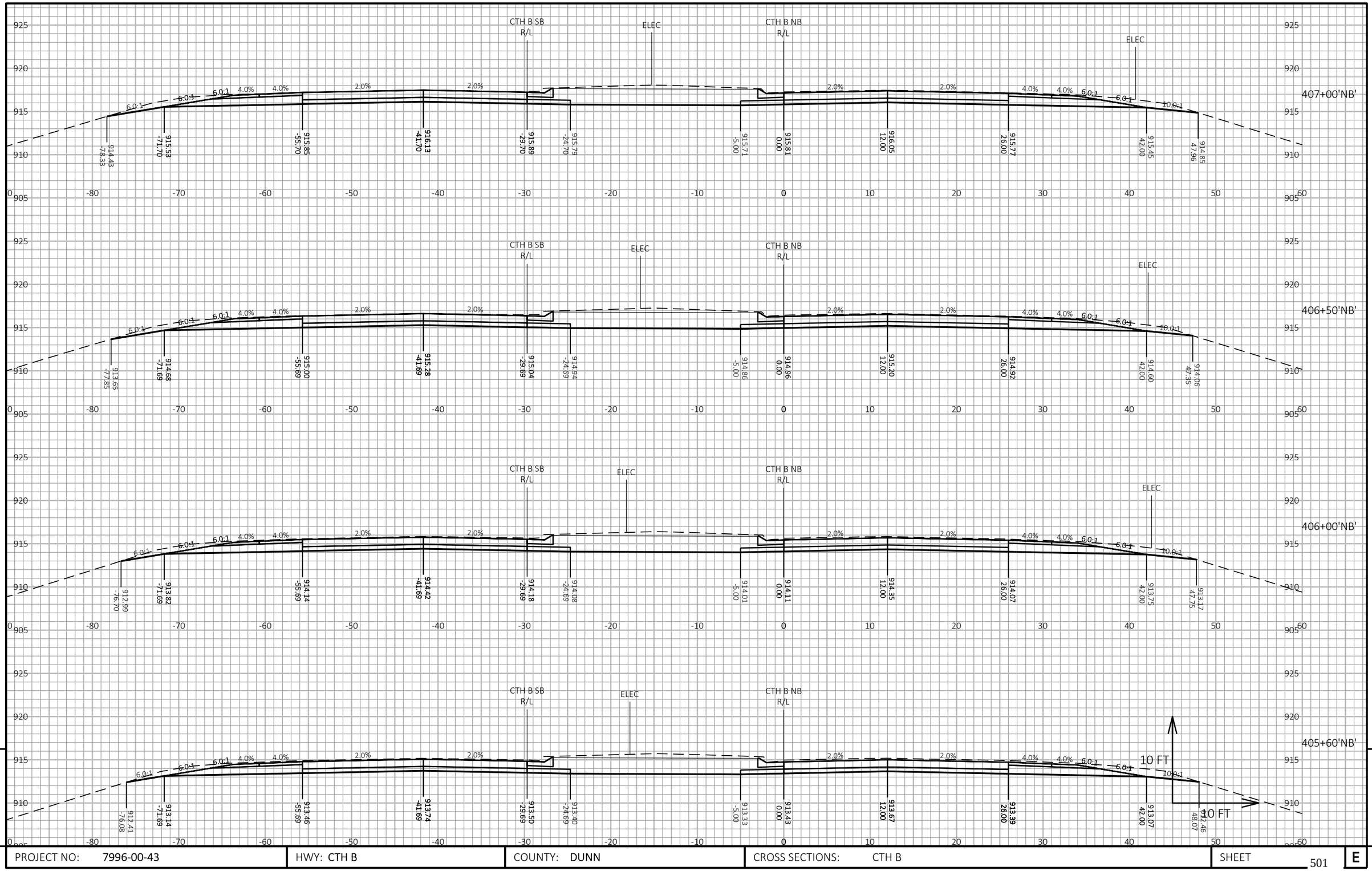
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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 500	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-44

PLOT DATE : 7/21/2023 11:04 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

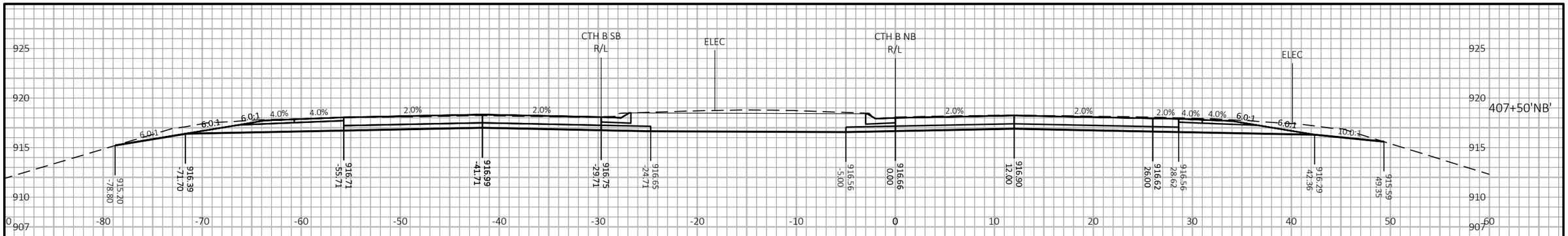


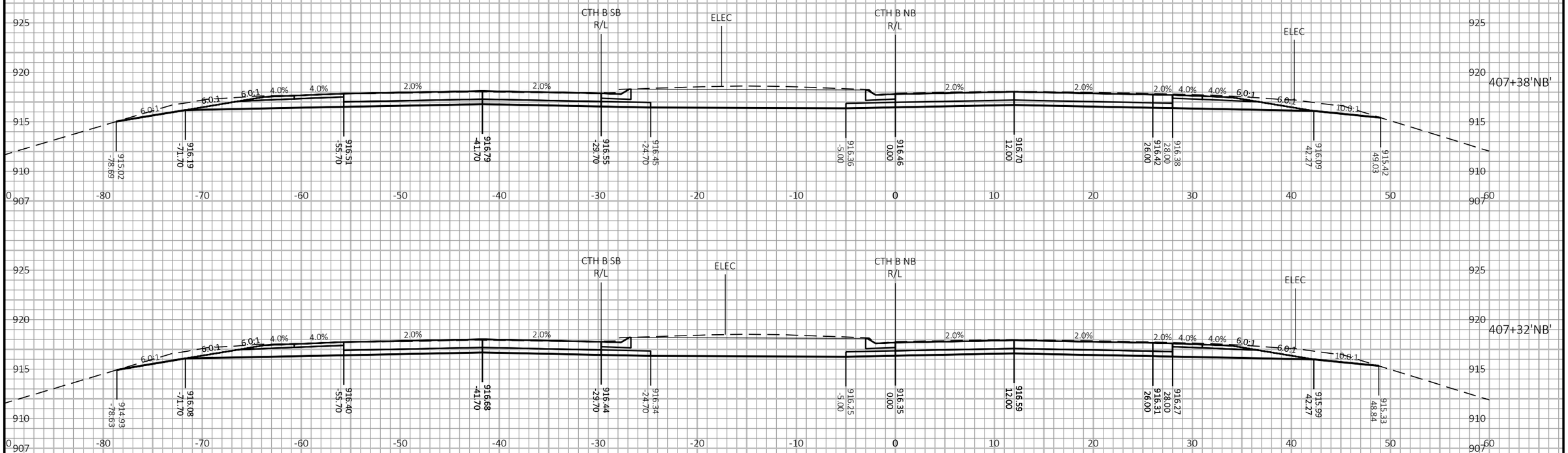
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 501 E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-45

PLOT DATE : 7/21/2023 11:04 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







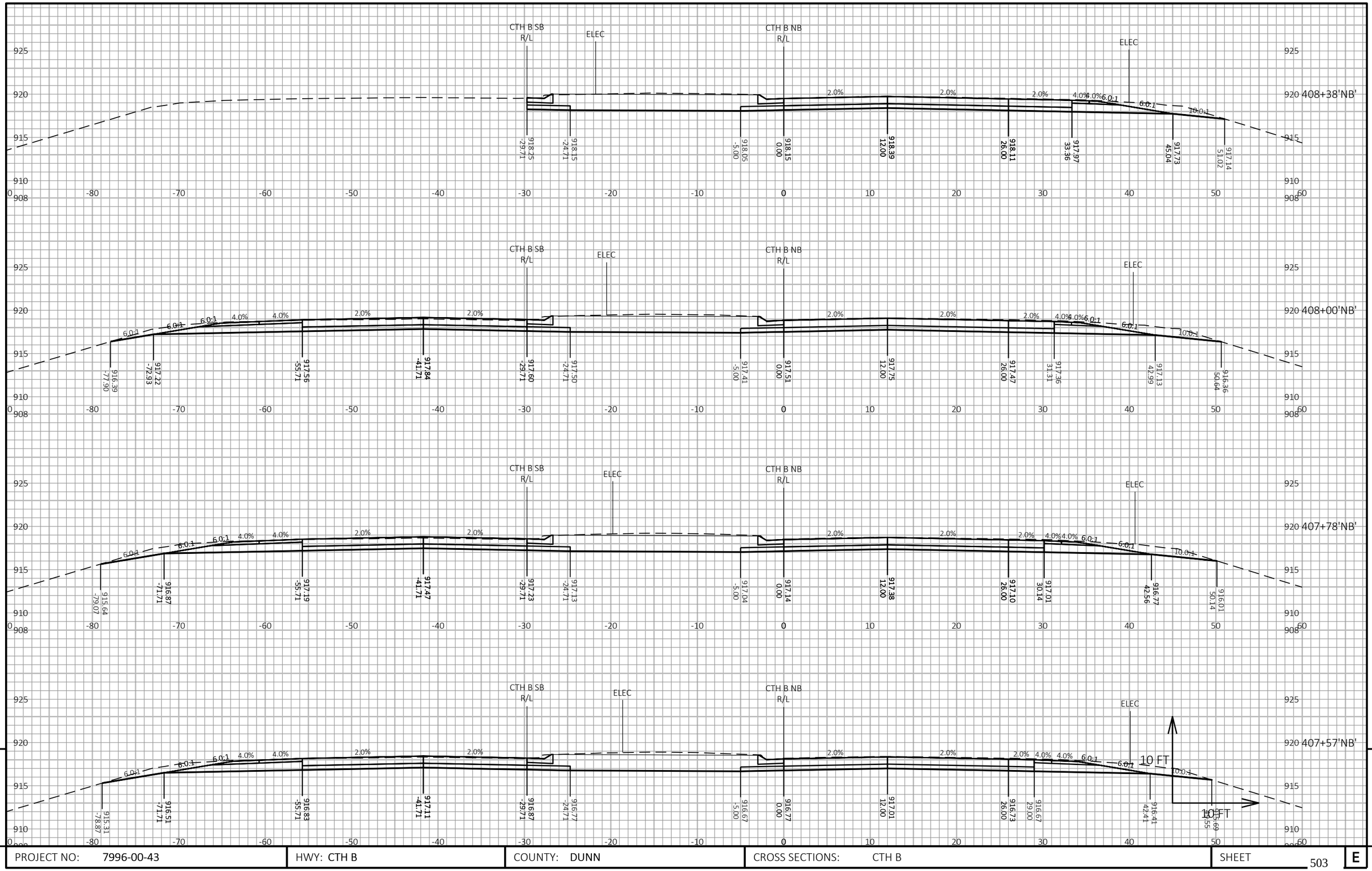
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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 502	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-46

PLOT DATE : 7/21/2023 11:05 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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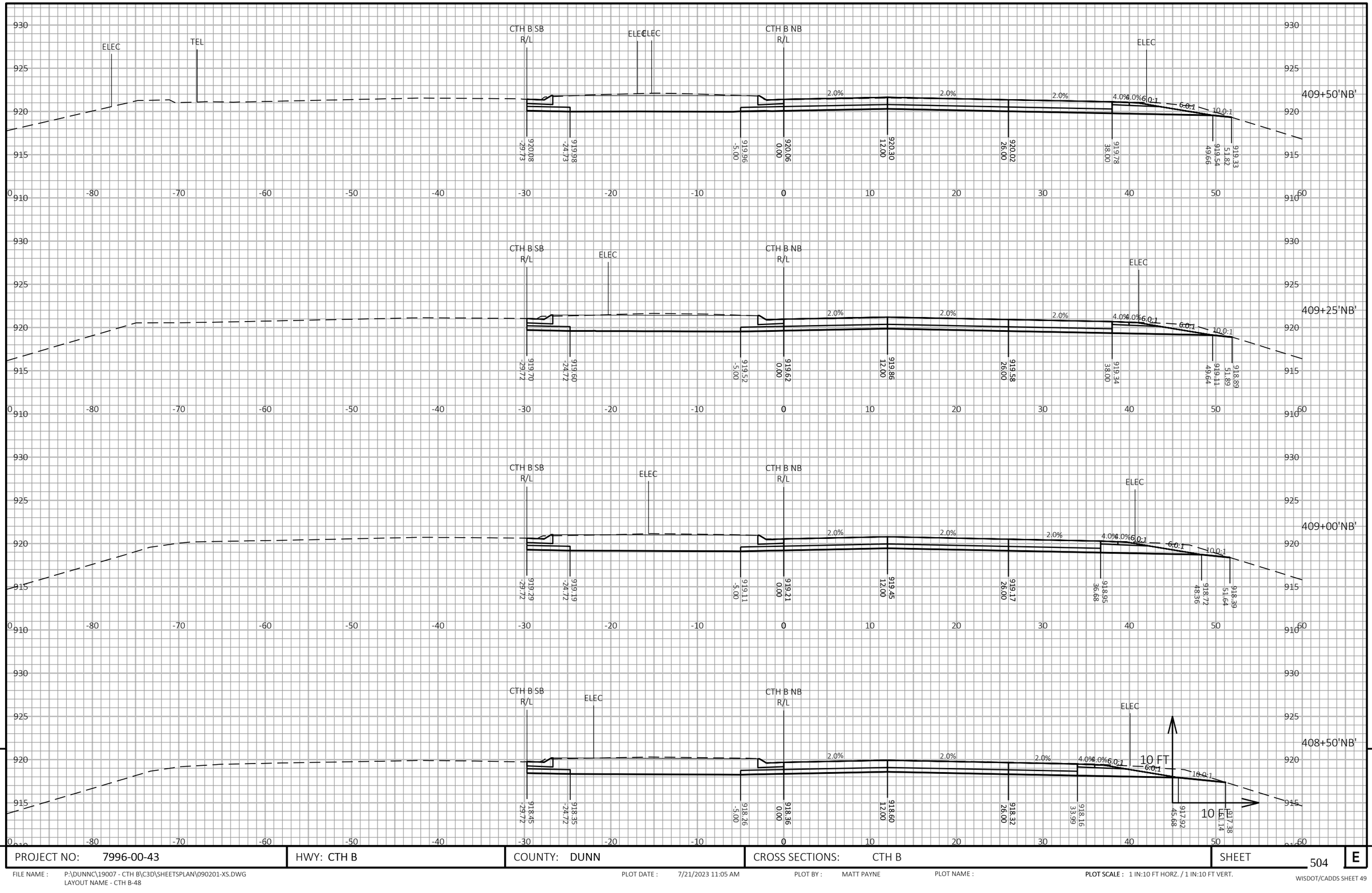
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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 503	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-47

PLOT DATE : 7/21/2023 11:05 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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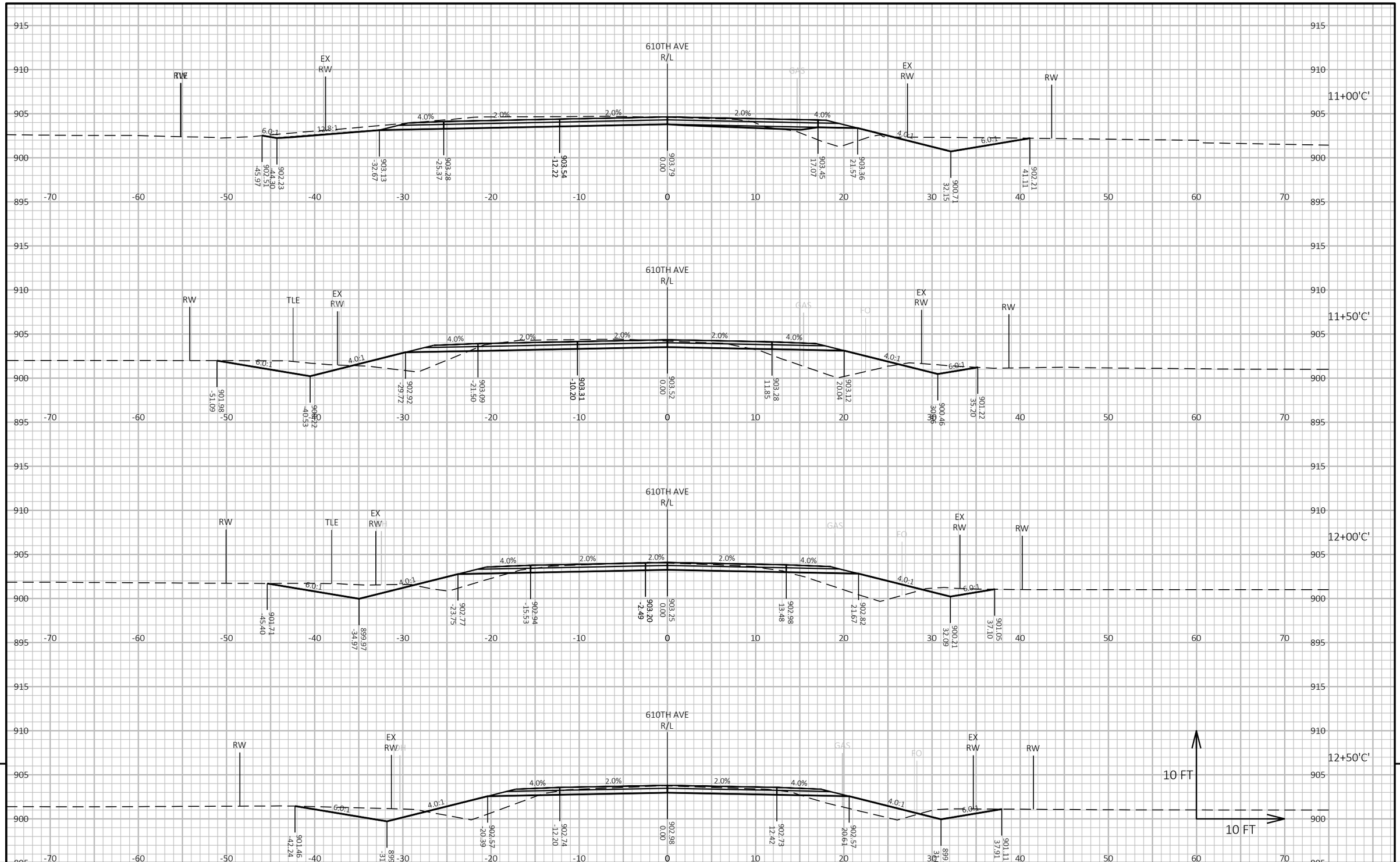
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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: CTH B	SHEET 504	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - CTH B-48

PLOT DATE : 7/21/2023 11:05 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: 610TH AVE	SHEET 505	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090202-XS-3M&610TH.DWG
LAYOUT NAME - 610TH-01

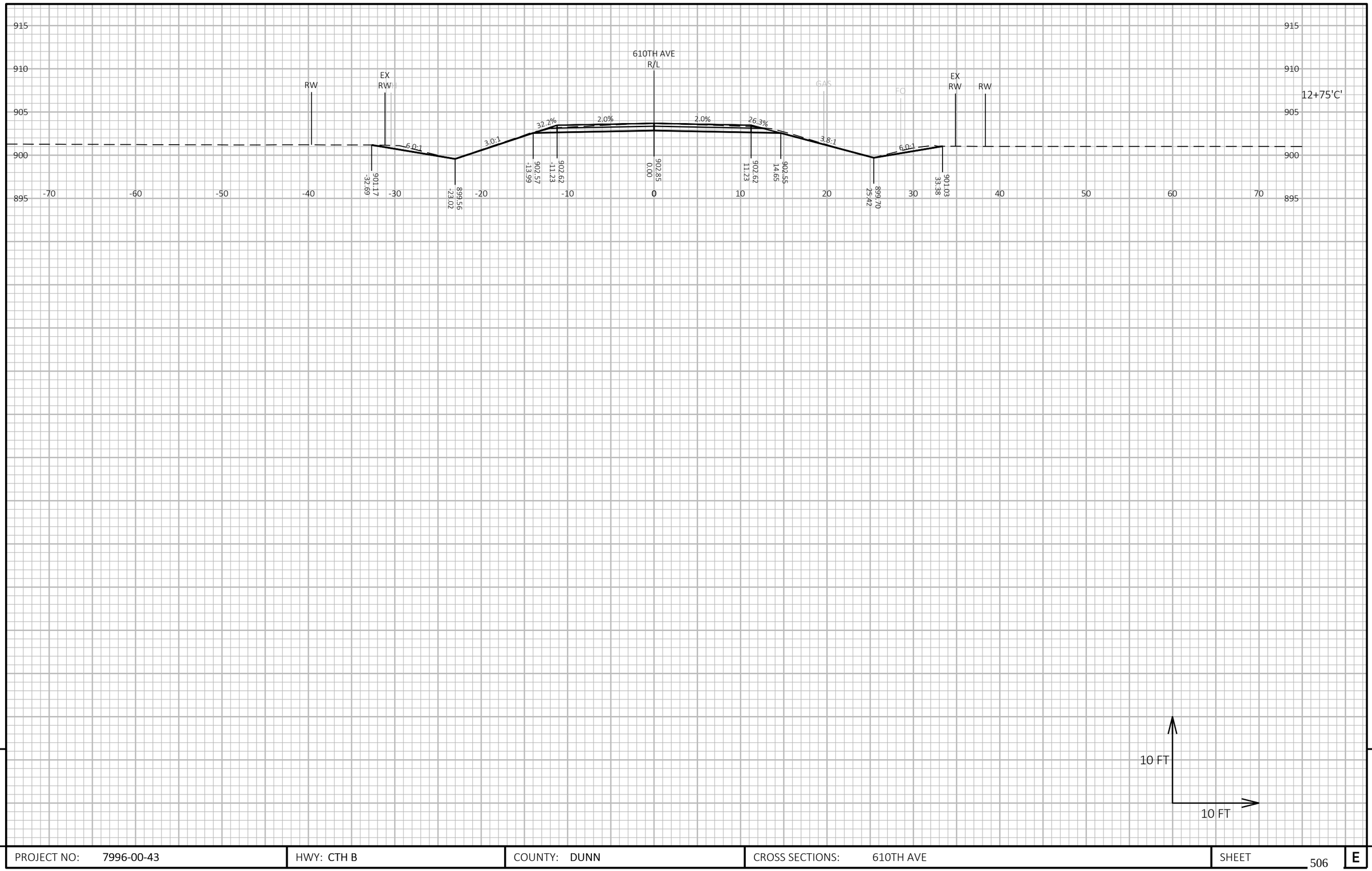
PLOT DATE : 7/21/2023 11:32 AM

PLOT BY : MATT PAYNE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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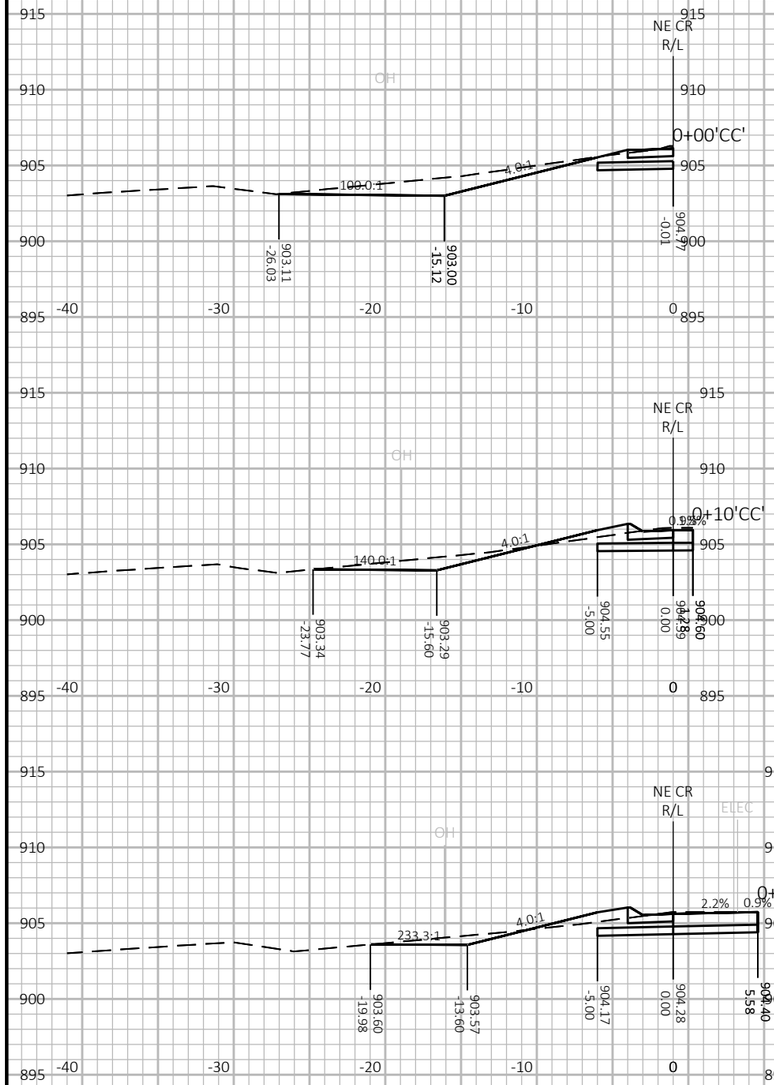
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: 610TH AVE	SHEET 506	E

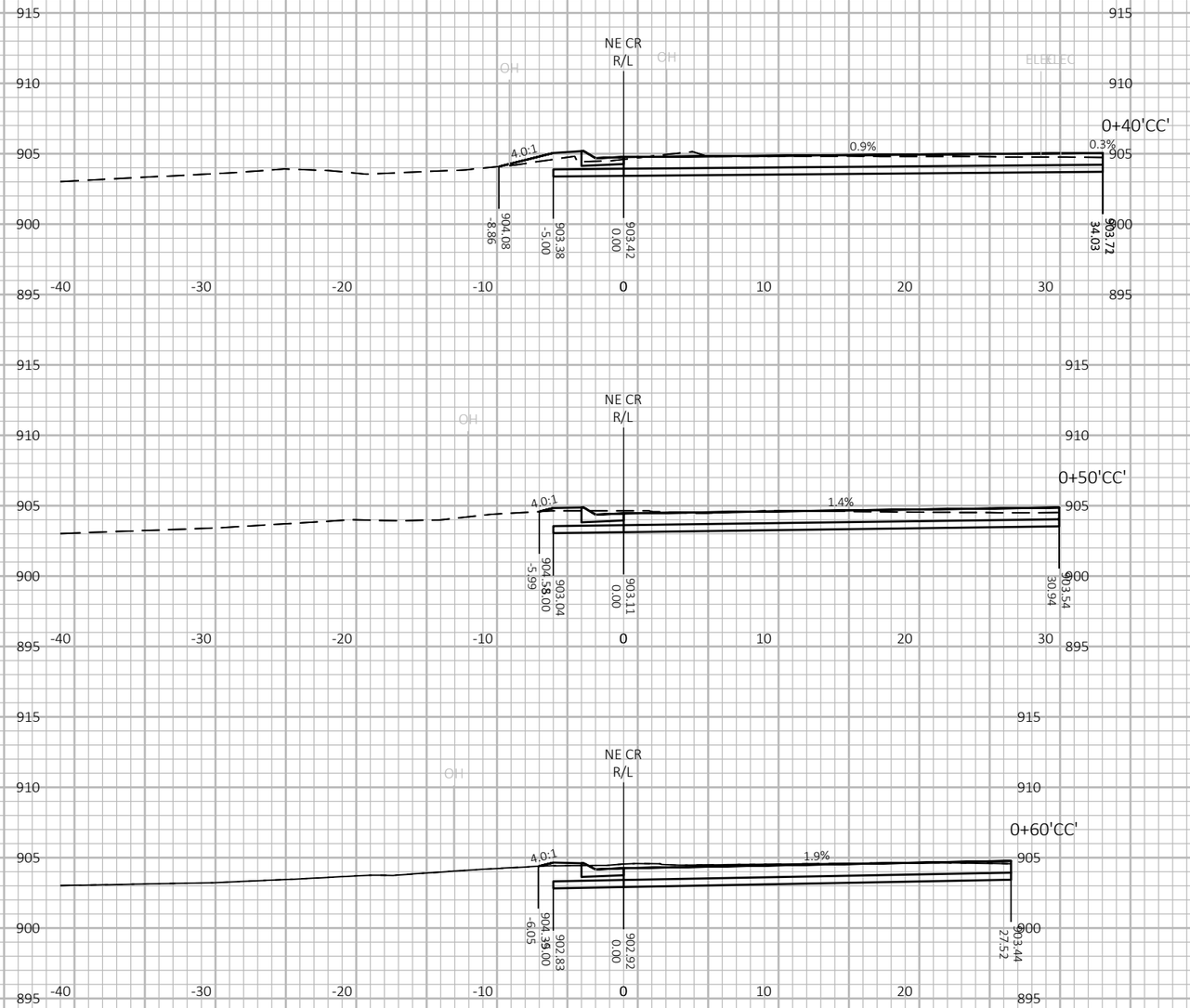
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090202-XS-3M&610TH.DWG
LAYOUT NAME - 610TH-02

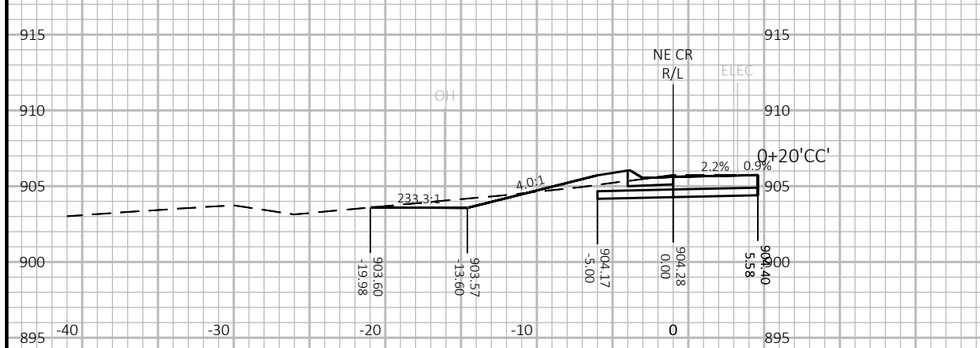
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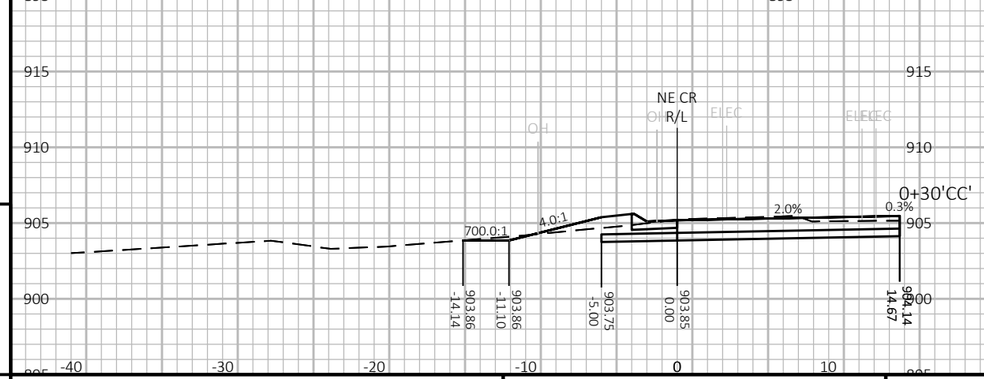
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

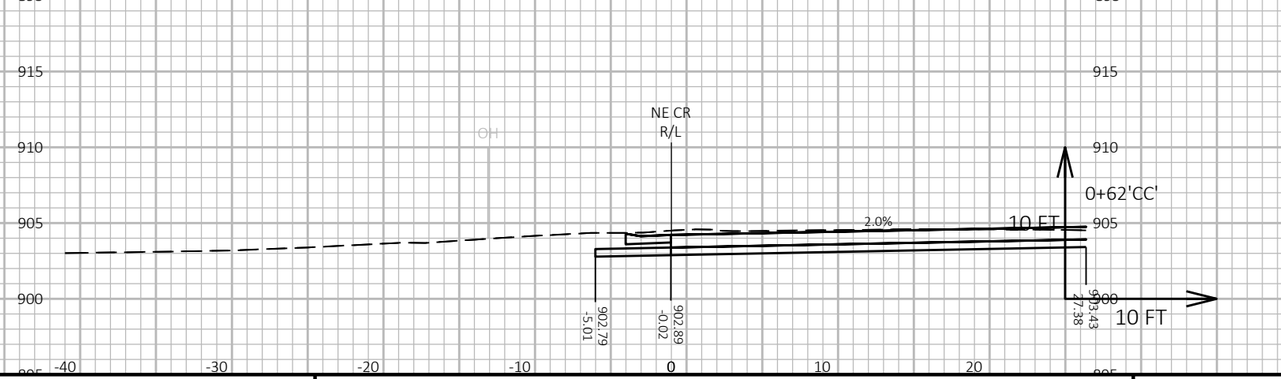
WISDOT/CADDS SHEET 49











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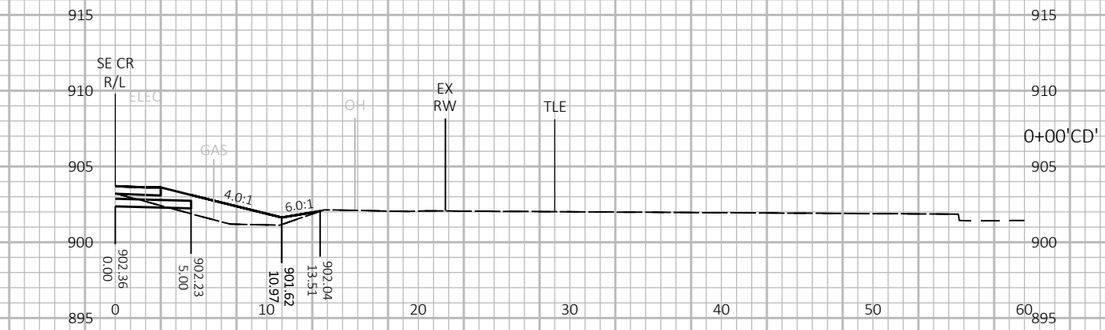
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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: 610TH AVE NE CURB RETURN	SHEET 507	E

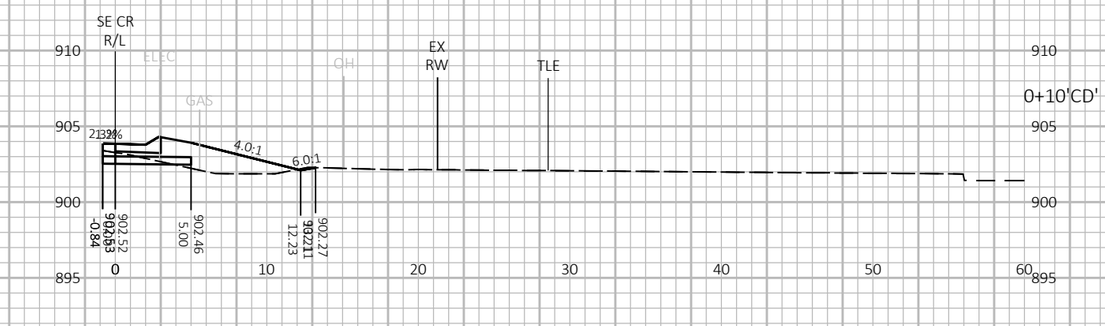
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090202-XS-3M&610TH.DWG
LAYOUT NAME - NE CR-01

PLOT DATE : 7/21/2023 11:32 AM PLOT BY : MATT PAYNE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

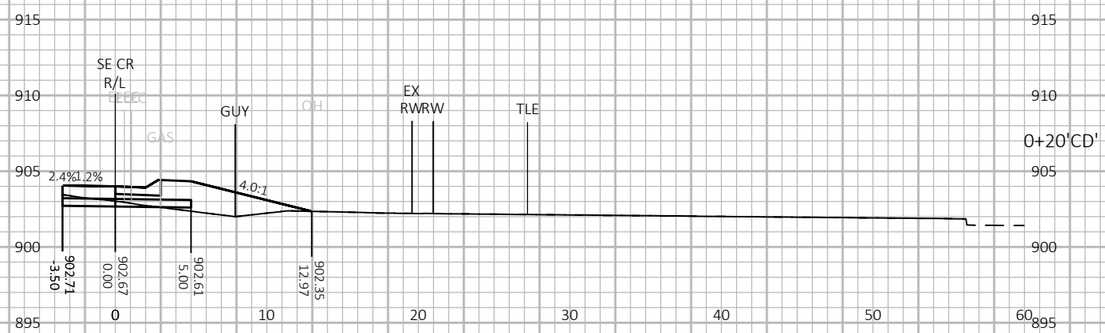
WISDOT/CADDS SHEET 49



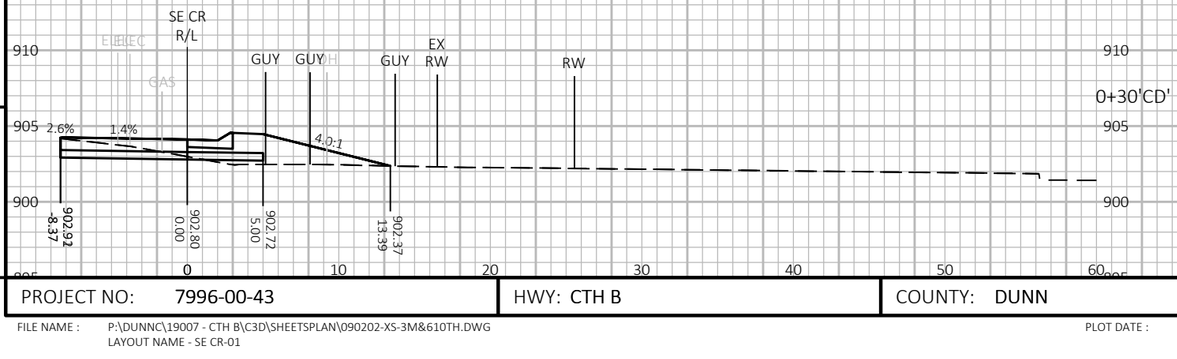
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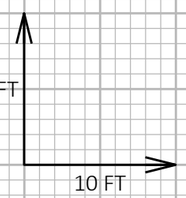
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0+20'CD'



0+30'CD'



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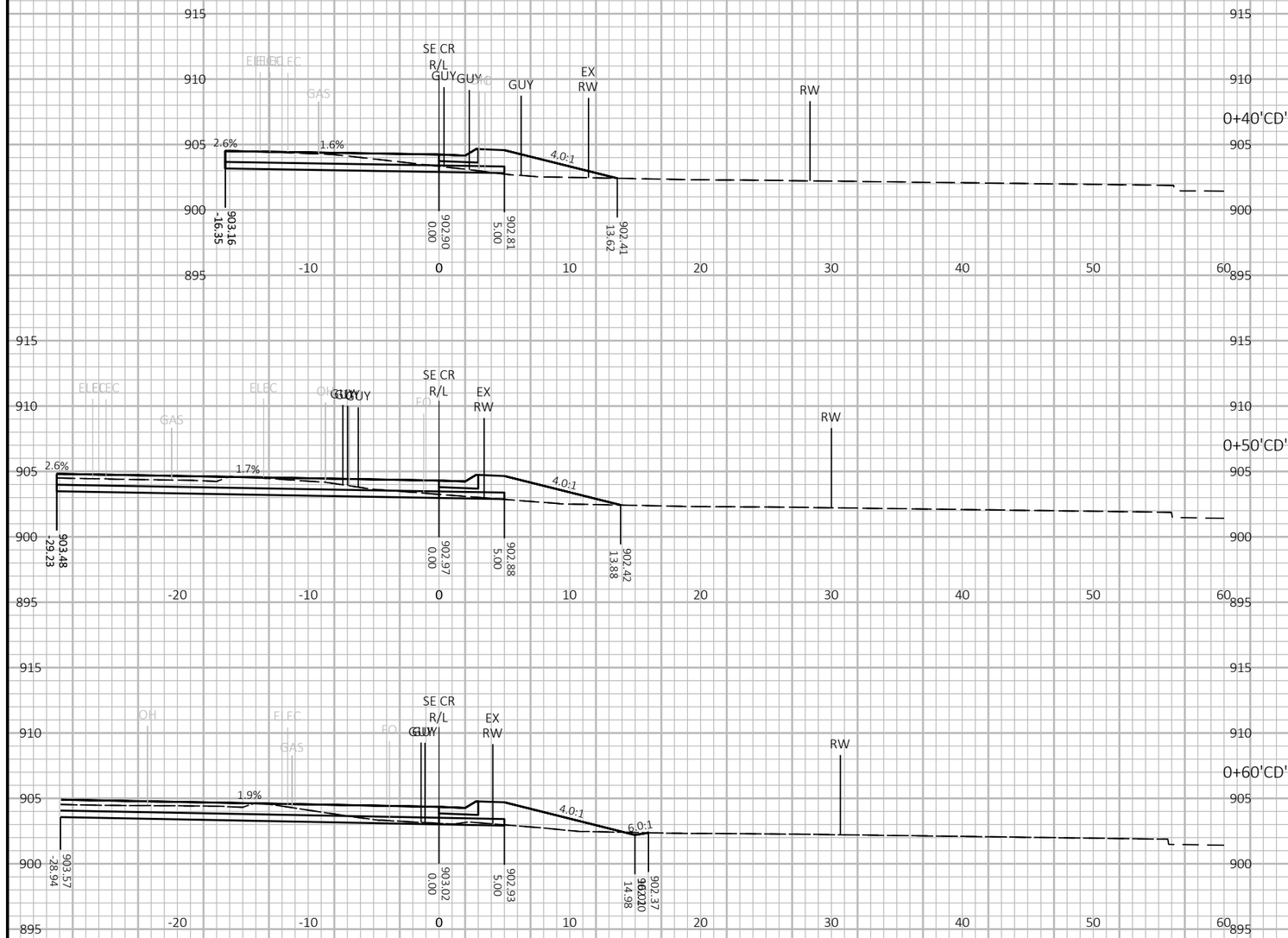
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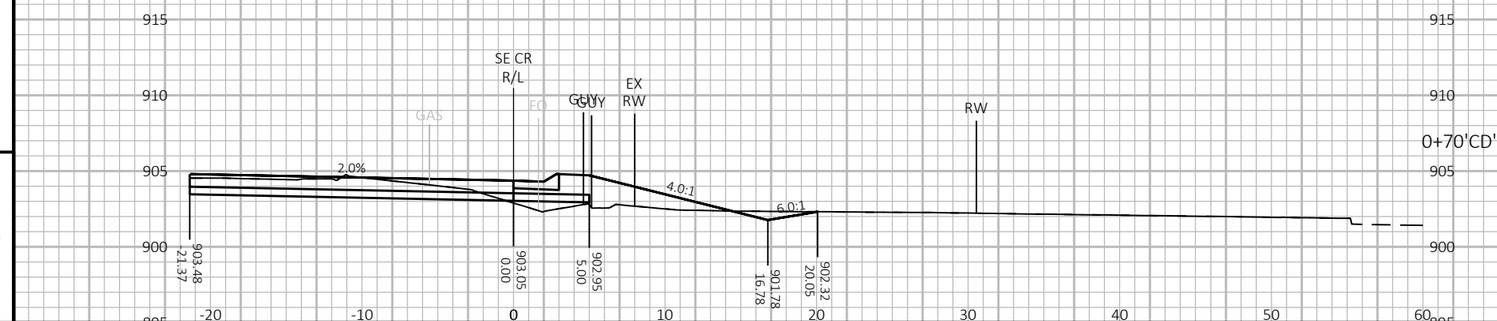
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: 610TH AVE SE CURB RETURN	SHEET 508	E

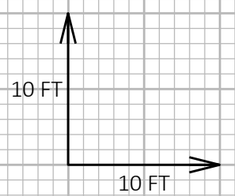
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090202-XS-3M&610TH.DWG
LAYOUT NAME - SE CR-01

PLOT DATE : 7/21/2023 11:33 AM PLOT BY : MATT PAYNE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: 610TH AVE SE CURB RETURN	SHEET 509	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090202-XS-3M&610TH.DWG
LAYOUT NAME - SE CR-02

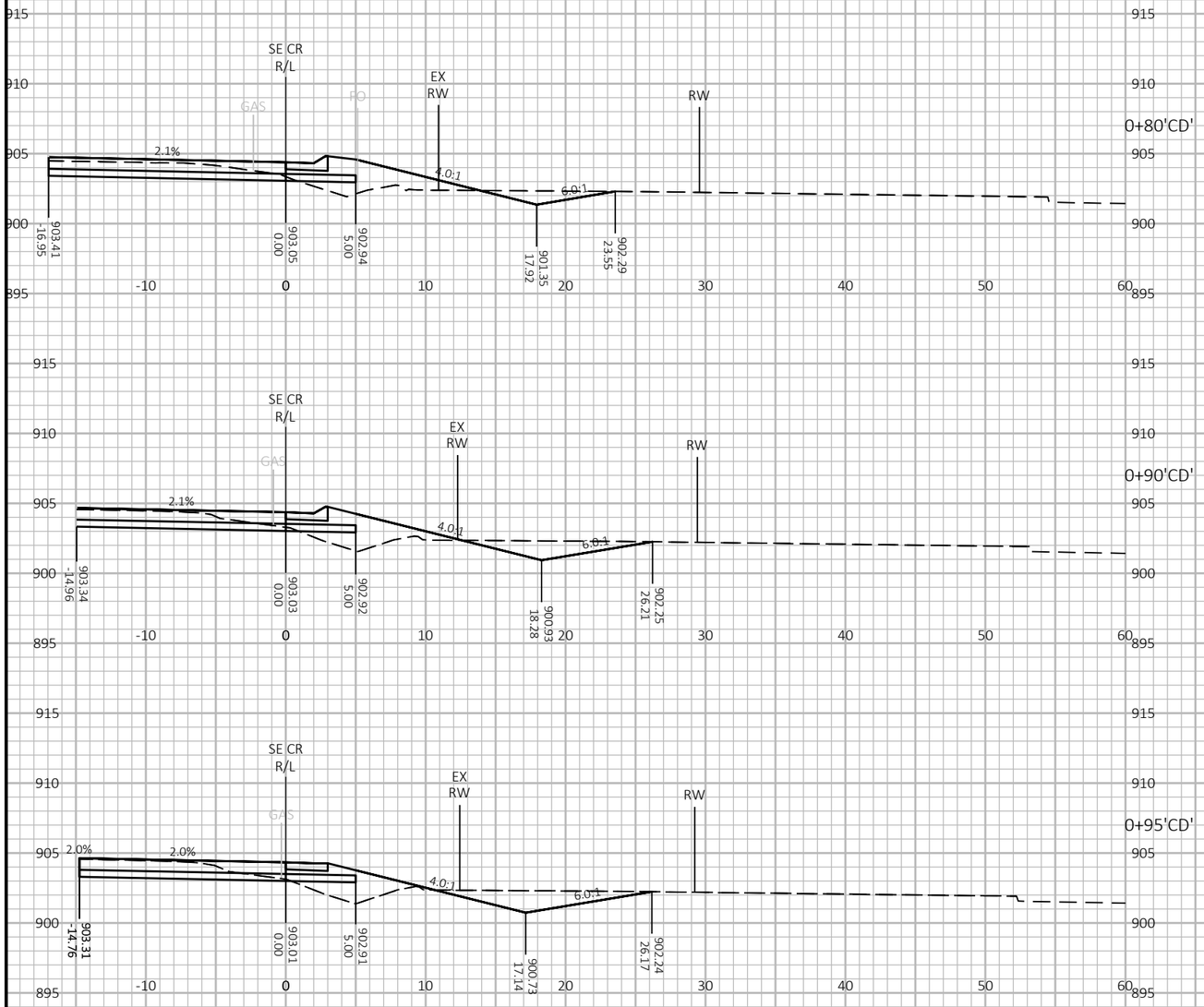
PLOT DATE : 7/21/2023 11:33 AM

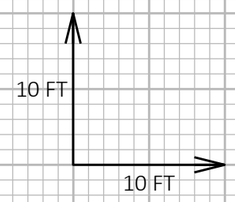
PLOT BY : MATT PAYNE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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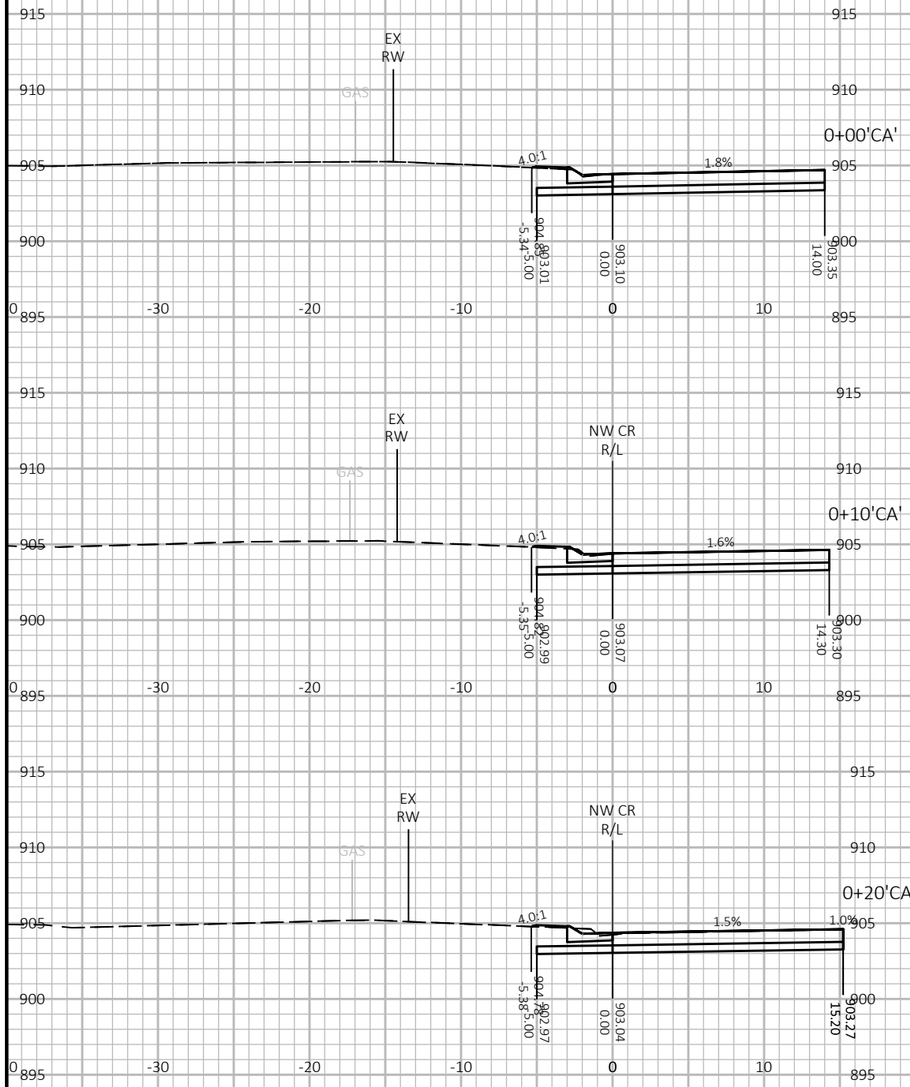
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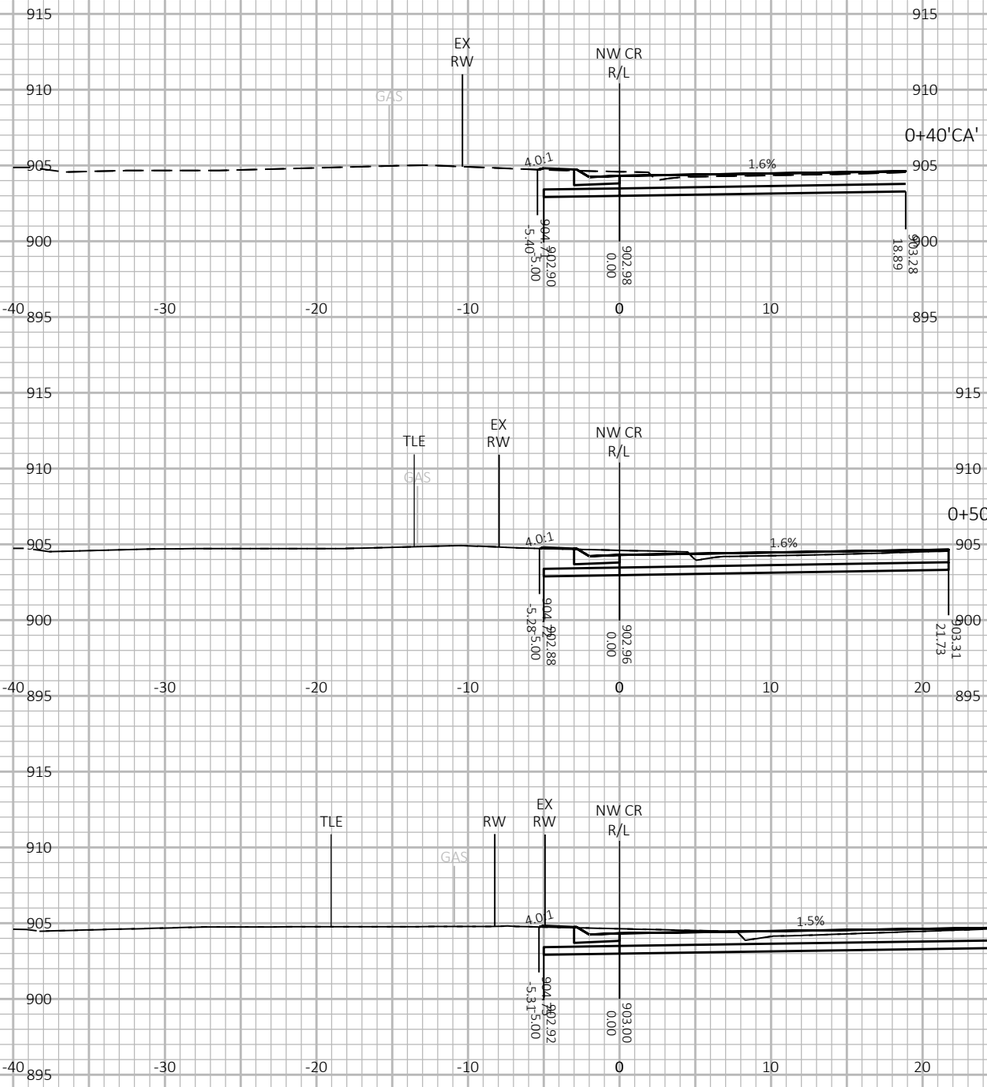
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: 610TH AVE SE CURB RETURN	SHEET 510	E

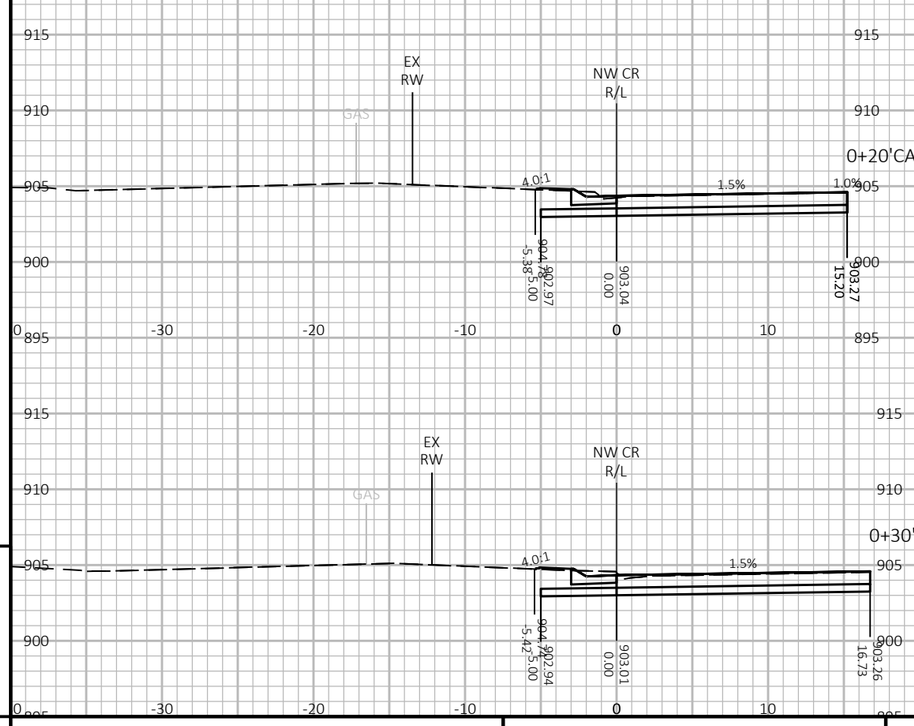
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LAYOUT NAME - SE CR-03

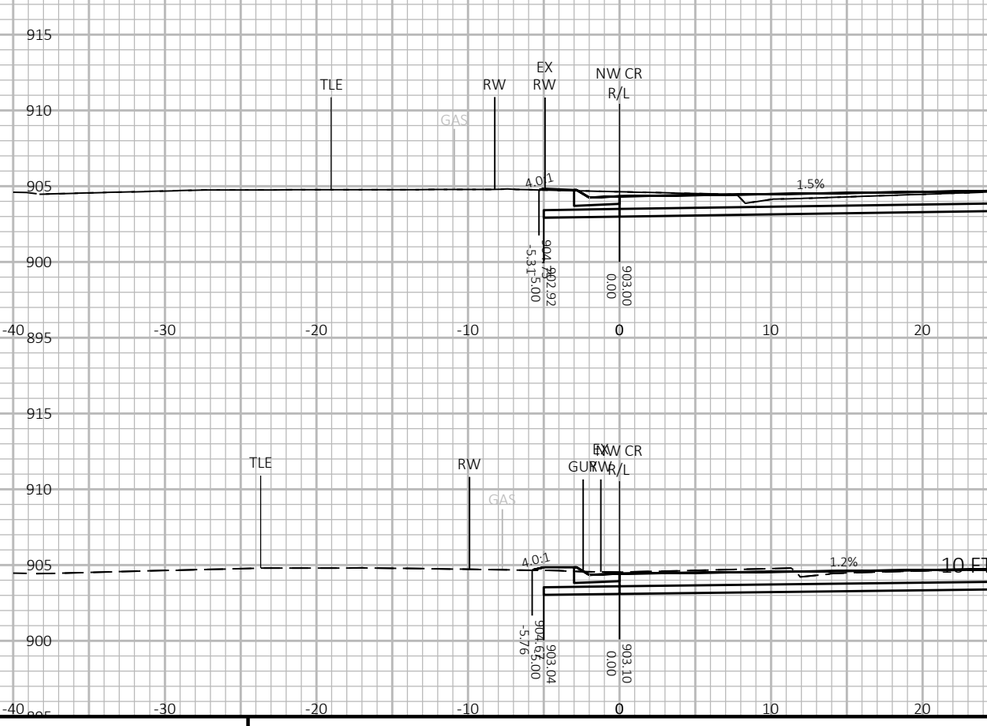
PLOT DATE : 7/21/2023 11:33 AM PLOT BY : MATT PAYNE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

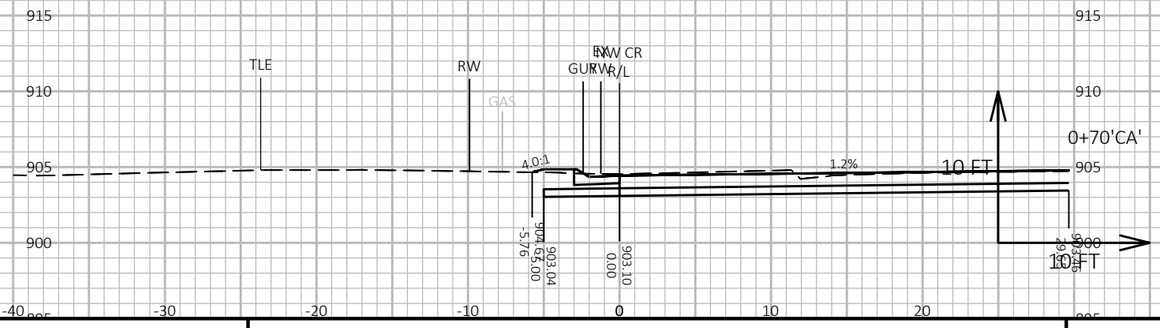
WISDOT/CADDS SHEET 49











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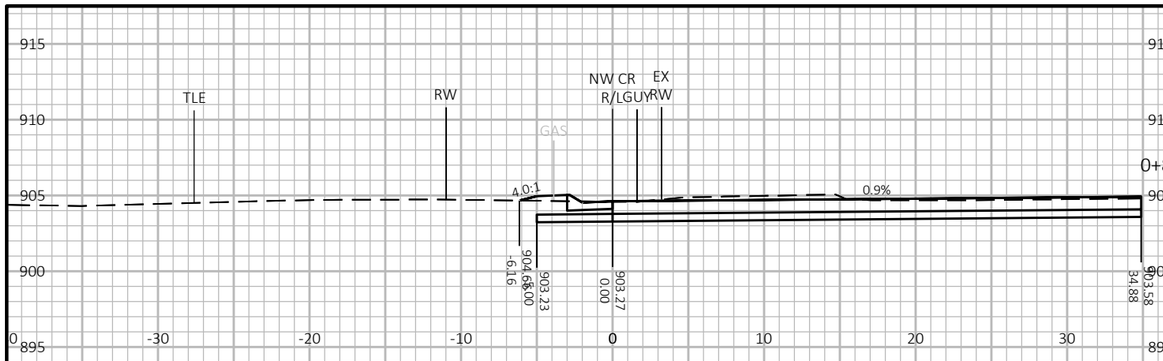
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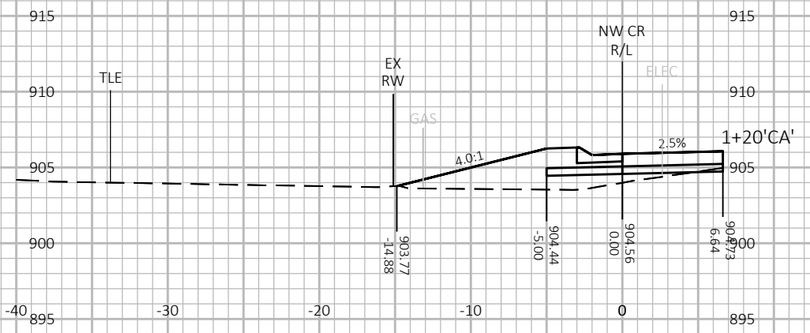
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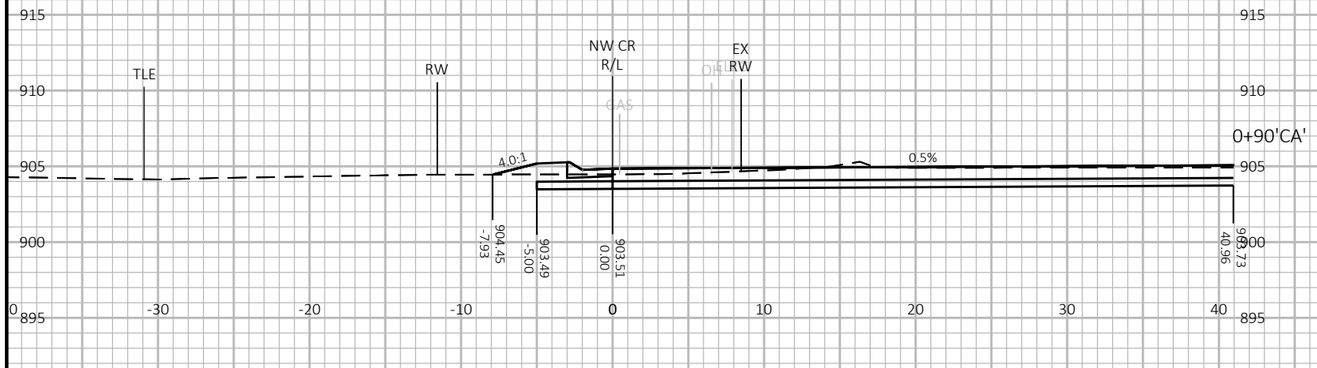
FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090202-XS-3M&610TH.DWG
LAYOUT NAME - NW CR-01

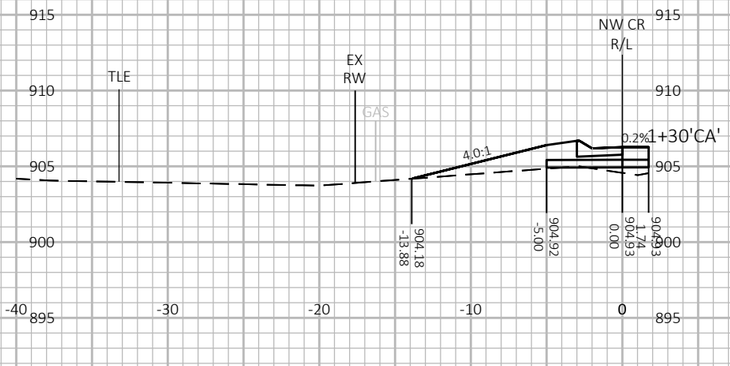
PLOT DATE : 7/21/2023 11:33 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

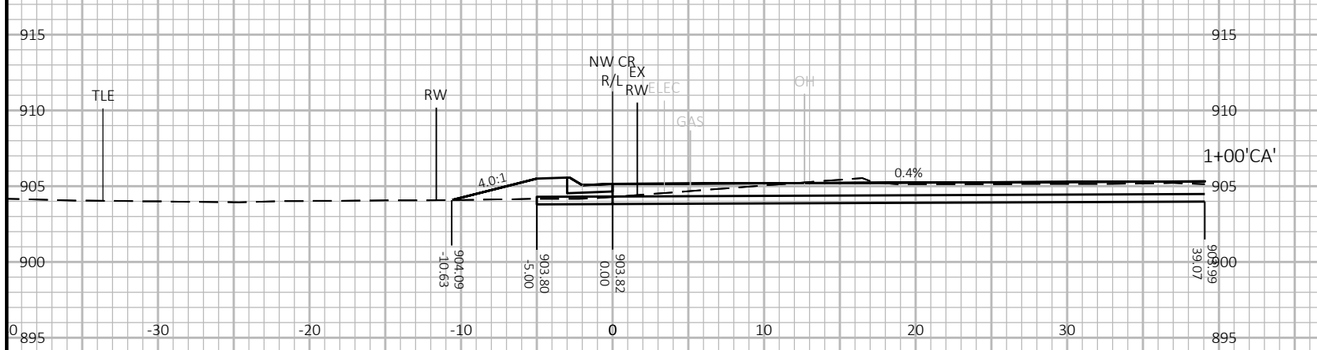
WISDOT/CADDS SHEET 49

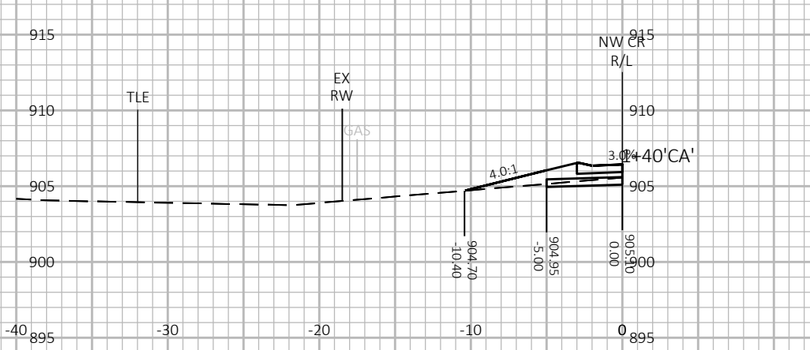


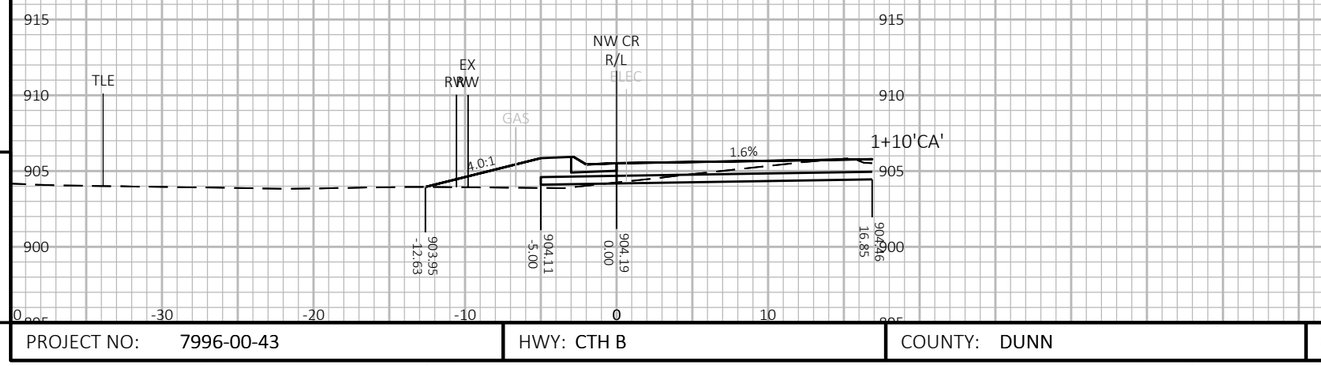


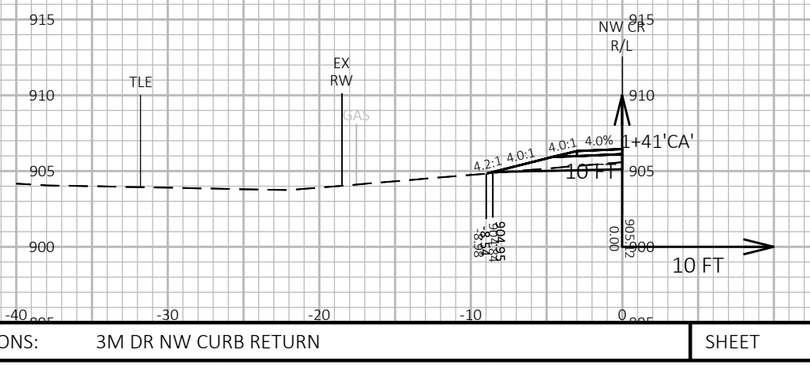












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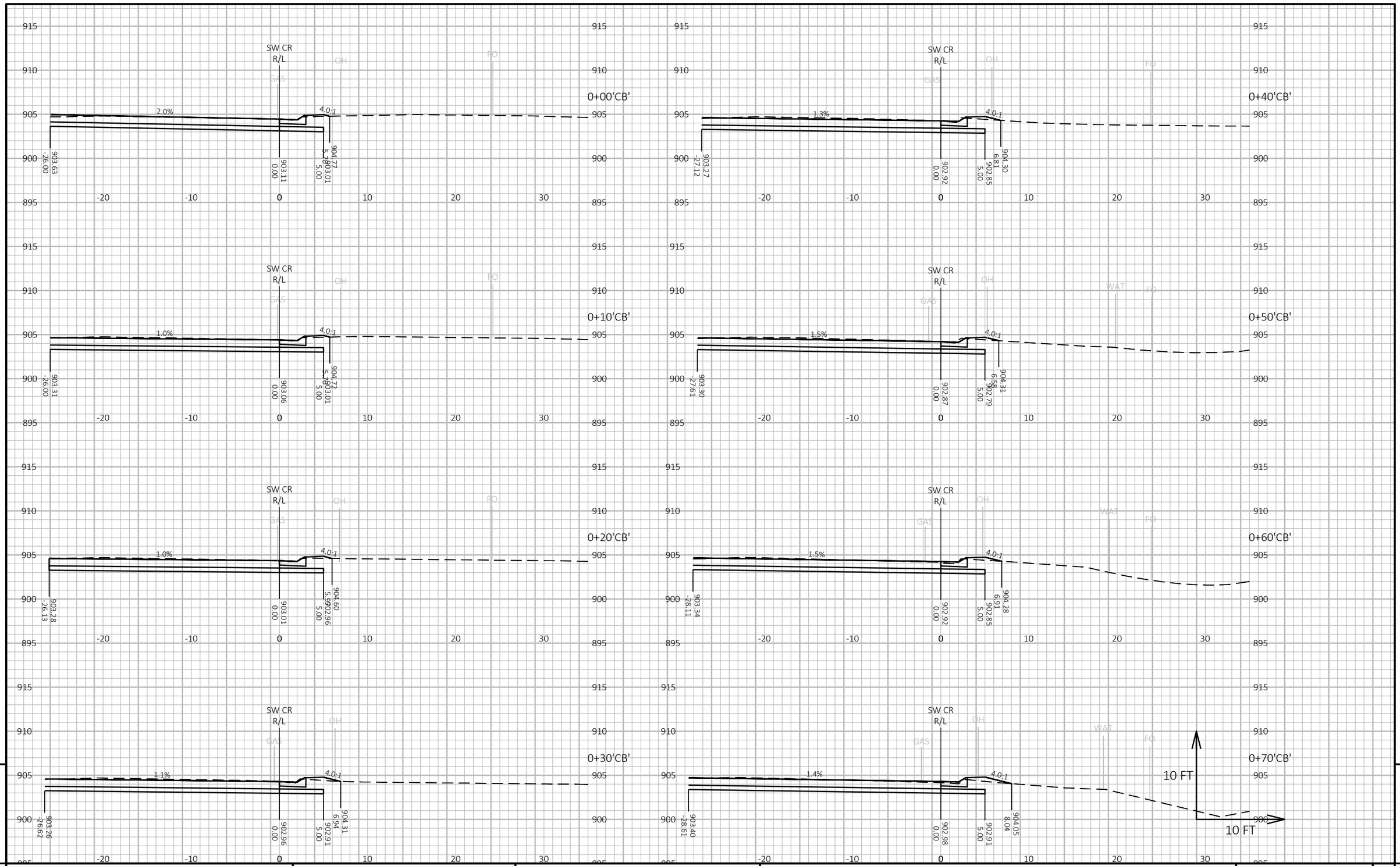
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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: 3M DR NW CURB RETURN	SHEET 512	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090202-XS-3M&610TH.DWG
LAYOUT NAME - NW CR-02

PLOT DATE : 7/21/2023 11:33 AM PLOT BY : MATT PAYNE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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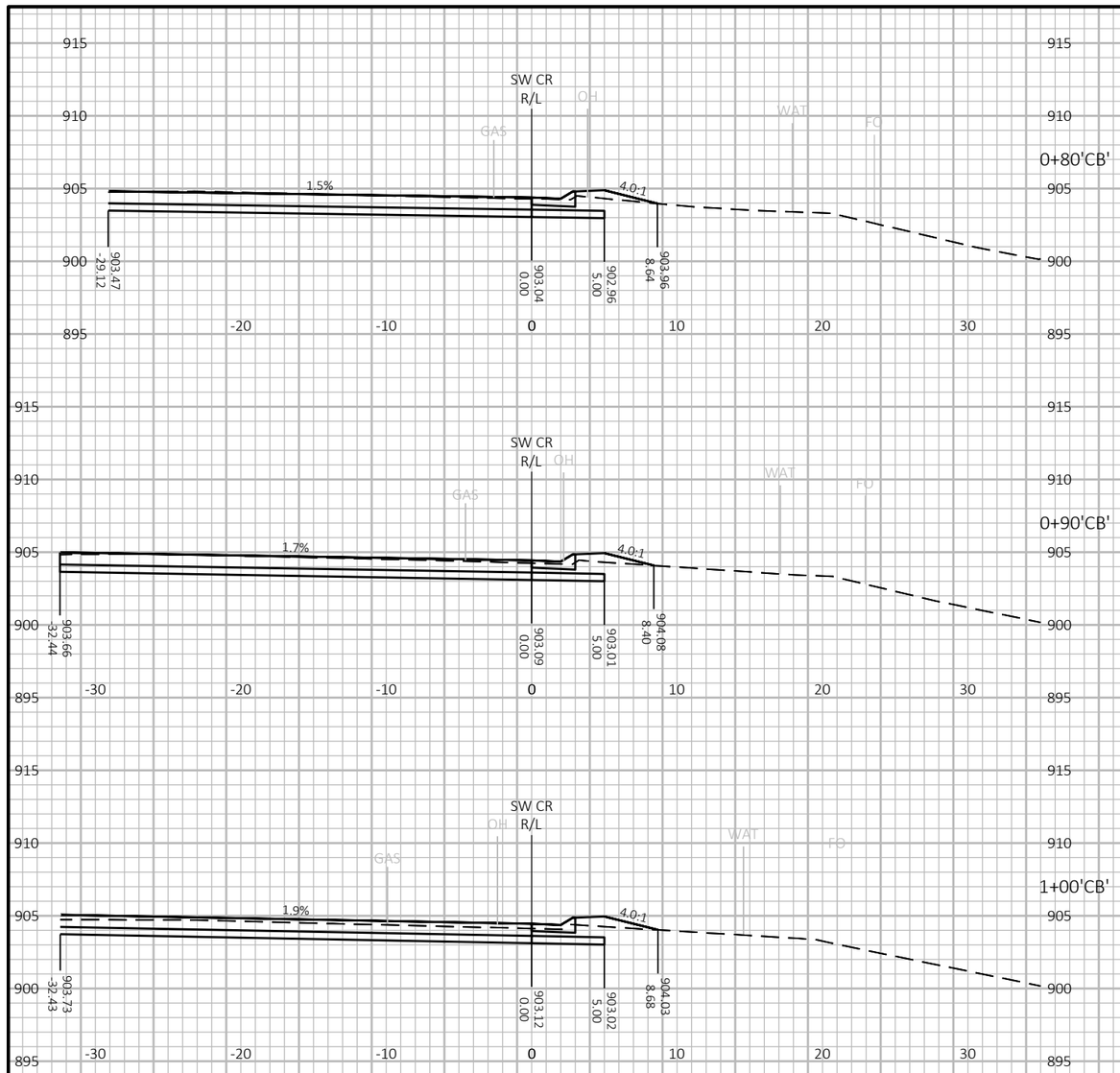
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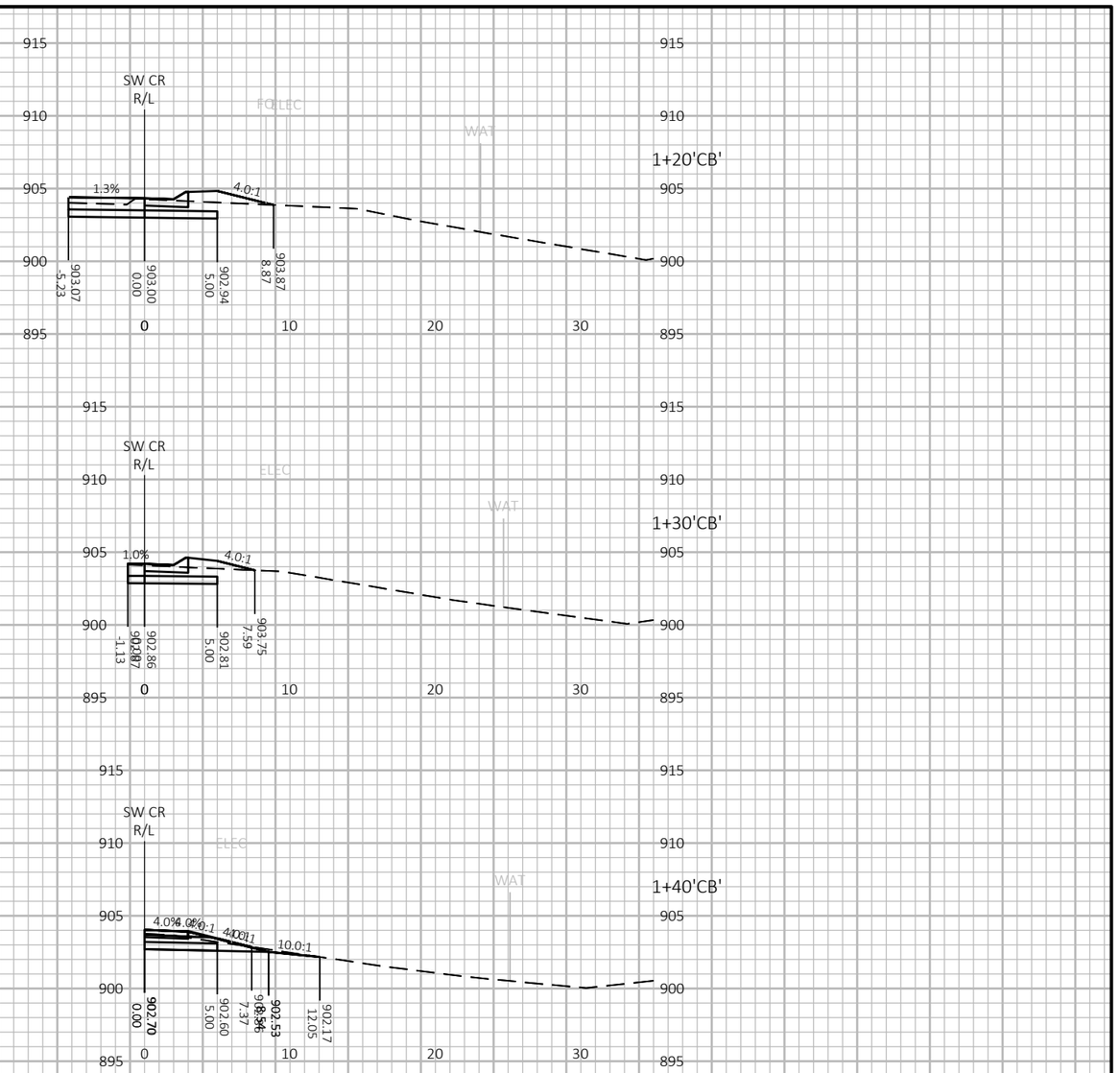
PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: 3M DR SW CURB RETURN	SHEET 513	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090202-XS-3M&610TH.DWG
LAYOUT NAME - SW CR-01

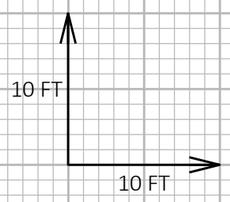
PLOT DATE : 7/21/2023 11:33 AM PLOT BY : MATT PAYNE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49









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PROJECT NO: 7996-00-43	HWY: CTH B	COUNTY: DUNN	CROSS SECTIONS: 3M DR SW CURB RETURN	SHEET 514	E

FILE NAME : P:\DUNNC\19007 - CTH B\C3D\SHEETSPLAN\090202-XS-3M&610TH.DWG
LAYOUT NAME - SW CR-02

PLOT DATE : 7/21/2023 11:33 AM PLOT BY : MATT PAYNE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

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