EAU

PROJECT ID: 8080-02-60/61/72/73/05-70/72/07-70/72

COUNTY: ST CROIX

MARCH 2021

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 = 804

DESIGN DESIGNATION

A.A.D.T.	(2021)	=	14500
A.A.D.T.	(2041)	=	19000
D.H.V.		=	
D.D.		=	59/41
T.		=	12.1%
DESIGN SPEED		=	30 MPH
ESALS		=	2,300,000

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
8080-02-60, 8080-02-61	WISC 2021108, N/A	1
8080-02-72, 8080-05-70,	WISC 2021109,WISC 2021111	1
8080-07-70, 8080-02-73	WISC 2021112,WISC2021110	1
8080-05-72,8080-07-72	N/A, N/A	1

CITY OF HUDSON, SECOND STREET

FRONT STREET TO VINE STREET

STH 35

ST CROIX COUNTY

STATE PROJECT NUMBER: 8080-02-60

SANITARY SEWER

STATE PROJECT NUMBER: 8080-02-61

COULEE INTERSECTION

STH 35

ST CROIX COUNTY

STATE PROJECT NUMBER: 8080-02-72

VINE STREET TO WILLOW RIVER

STH 35

ST CROIX COUNTY

STATE PROJECT NUMBER: 8080-07-70

SANITARY SEWER AND WATER

STATE PROJECT NUMBER: 8080-07-72

VILLAGE NORTH HUDSON, 6TH STREET

LAKE MALLALIEU BRIDGE - SOMMERS ST

STH 35

ST CROIX COUNTY

STATE PROJECT NUMBER: 8080-05-70

SANITARY SEWER AND WATER

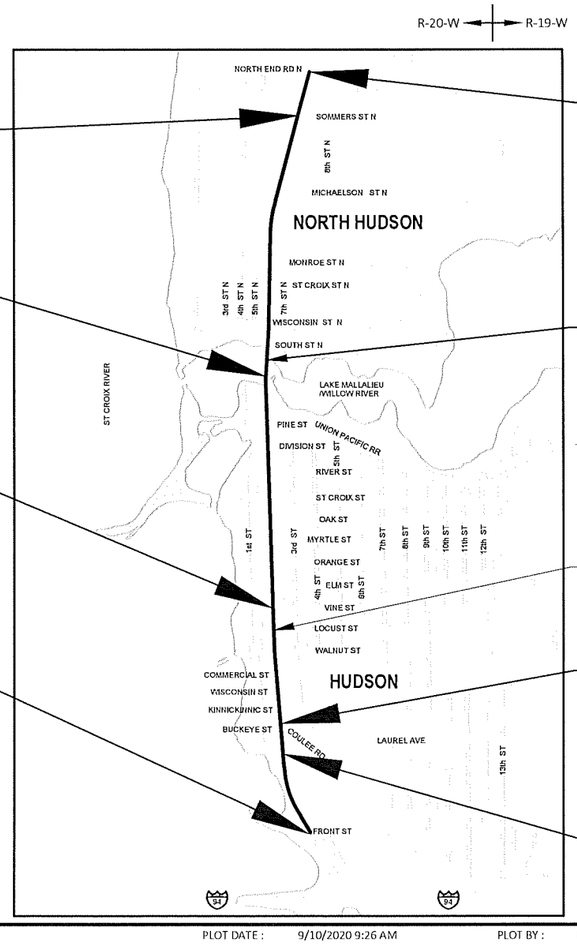
STATE PROJECT NUMBER: 8080-05-72

SOMMERS ST TO NORTH END RD

STH 35

ST CROIX COUNTY

STATE PROJECT NUMBER: 8080-02-73



BEGIN PROJECT 8080-02-73
END PROJECT 8080-05-70/72
STA 112+00.00
Y = 351998.81
X = 511563.84

END PROJECT 8080-02-73
STA 118+37.50

BEGIN PROJECT 8080-05-70/72
END PROJECT 8080-07-70/72
STA 64+29.50
Y = 347301.92
X = 510919.07

STRUCTURE B-55-73

BEGIN PROJECT 8080-07-70/72
END PROJECT 8080-02-60/61
STA 22+20.80
Y = 343094.26
X = 510991.49

EQUATION STA 242+87.90 BK=
STA 17+87.90 AHD

BEGIN PROJECT 8080-02-60/61
STA 204+00.00
Y = 338899.08
X = 511613.71

BEGIN CONSTRUCTION 8080-02-60/61
END PROJECT 8080-02-72
STA 226+17.00
Y = 340994.42
X = 511109.02

BEGIN PROJECT 8080-02-72
END CONSTRUCTION 8080-02-60/61
STA 218+02.00
Y = 340183.38
X = 511069.66

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), ST CROIX COUNTY, NAD83 (2007), 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 (1988). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

LAYOUT

SCALE 0 0.5 MI

TOTAL NET LENGTH OF CENTERLINE (8080-02-60/61) =	0.818 MI
TOTAL NET LENGTH OF CENTERLINE (8080-02-72) =	0.000 MI
TOTAL NET LENGTH OF CENTERLINE (8080-07-70/72) =	0.797 MI
TOTAL NET LENGTH OF CENTERLINE (8080-05-70/72) =	0.904 MI
TOTAL NET LENGTH OF CENTERLINE (8080-02-73) =	0.121 MI

PLANS PREPARED BY

AYRES

WISCONSIN
JEFFREY A. ABRAMSON
32337
Eau Claire
WI
PROFESSIONAL ENGINEER

DATE: 9-11-2020
(Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT & CBS SQUARED, INC
Designer	AYRES ASSOCIATES INC & CBS SQUARED, INC
Project Manager	MOHAMAD HAYEK, PE
Regional Examiner	TOU YANG, PE
Regional Supervisor	DAVID KOEPP, PE

APPROVED FOR THE DEPARTMENT

DATE: 9/14/2020
(Signature)

E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\010101-TI.DWG

PLOT DATE : 9/10/2020 9:26 AM

PLOT BY : HEDRINGTON, MARK

PLOT NAME :

PLANS PREPARED BY

cbs2
770 TECHNOLOGY WAY
CHIPPEWA FALLS, WI 54729

ROADWAY PLANS

FRONT STREET TO VINE STREET
- EXISTING AND FINISHED TYPICAL SECTIONS
- CONSTRUCTION DETAILS FOR PAVEMENT REHABILITATION
- INTERSECTION DETAILS
- STORM SEWER
- STAGING PLANS TEMPORARY PEDESTRIAN ACCOMMODATIONS PLAN
- MISCELLANEOUS QUANTITIES AND SPECIAL PROVISIONS ASSOCIATED WITH THE ABOVE

FRONT STREET TO NORTH END ROAD
- EROSION CONTROL PLANS
- PERMANENT SIGNING
- PAVEMENT MARKING
- DETOUR PLAN
- MISCELLANEOUS QUANTITIES AND SPECIAL PROVISIONS ASSOCIATED WITH THE ABOVE

WISCONSIN
JAMES D. HANSON
E-27173
MADISON
WI
PROFESSIONAL ENGINEER

9/1/2020

DATE: _____ _____
(Professional Engineer Signature)

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN ELEMENTS LISTED IN ACCORDANCE WITH RULE 61G15.23.004, F.A.C.

PLANS FOR CITY OF HUDSON PREPARED BY

SEH

ROADWAY PLANS

FRONT STREET TO WILLOW RIVER
- SANITARY SEWER AND WATER PLANS & DETAILS
- FINISHED TYPICAL SECTIONS FOR:
  - LOCUST STREET & WISCONSIN STREET REPAIRS
  - NORTHWESTERN MUTUAL BANK PARKING LOT
  - STA 205+99 - STA 213+60
  - TRAIL STA 205+40 - STA 214+42
- INTERSECTION DETAILS
  - LOCUST STREET BUMP OUTS
  - WISCONSIN STREET BUMP OUTS
- STORM SEWER
  - LOCUST STREET
  - WISCONSIN STREET
  - MH 50, 51, 52, & 53
- REMOVAL PLAN ASSOCIATED WITH LIGHTING, BUMP OUTS, WATER AND SANITARY
- CROSS SECTIONS
  - TRAIL STA 205+40 - STA 214+42
- MISCELLANEOUS QUANTITIES AND SPECIAL PROVISIONS ASSOCIATED WITH THE ABOVE

WISCONSIN
DAVID G.A. SCHOFIELD
E-38715
MENOMONIE
WI
PROFESSIONAL ENGINEER

DATE: 9/1/20 David Schofield, PE
(Professional Engineer Signature)

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN ELEMENTS LISTED IN ACCORDANCE WITH RULE 61G15.23.004, F.A.C.

PLANS FOR CITY OF HUDSON PREPARED BY

SEH

ROADWAY PLANS

FRONT STREET TO WILLOW RIVER
- REMOVAL PLAN ASSOCIATED WITH LIGHTING
- LIGHTING PLANS & DETAILS
- MISCELLANEOUS QUANTITIES AND SPECIAL PROVISIONS ASSOCIATED WITH THE ABOVE

WISCONSIN
JOHN P. CARLSON
E-31823
SHOREVIEW, MN
PROFESSIONAL ENGINEER

DATE: 9/1/20 John P. Carlson
(Professional Engineer Signature)

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN ELEMENTS LISTED IN ACCORDANCE WITH RULE 61G15.23.004, F.A.C.

2

PLANS FOR VILLAGE OF NORTH HUDSON PREPARED BY

Cedar CORPORATION
604 Wilson Avenue, Menomonie, WI 54751
715-235-9081

ROADWAY PLANS

LAKE MALLALIEU BRIDGE TO SOMMERS STREET N
- SANITARY SEWER AND WATER PLANS & DETAILS
- REMOVAL PLAN ASSOCIATED WITH WATER AND SANITARY
- MISCELLANEOUS QUANTITIES AND SPECIAL PROVISIONS ASSOCIATED WITH THE ABOVE

WISCONSIN
KEVIN R. OIUM
E-34303-006
MENOMONIE
WI
PROFESSIONAL ENGINEER

DATE: 9/1/20 Kevin R. Oium
(Professional Engineer Signature)

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN ELEMENTS LISTED IN ACCORDANCE WITH RULE 61G15.23.004, F.A.C.

PROJECT NO: ALL PROJECT ID'S	HWY: STH 35	COUNTY: ST CROIX	PLAN PROFESSIONAL ENGINEER STAMPS	SHEET 2	E

2

GENERAL NOTES

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

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

SHRINKAGE OF EARTHWORK IS VARIABLE. AN AVERAGE FACTOR FOR EXCAVATION COMMON IS 30%.

FILL, AS SHOWN ON THE PLAN SHEETS, PERTAINS TO EMBANKMENT CONSTRUCTED FROM EXCAVATION COMMON. THE FACTOR USED FOR EXPANDING THE FILLS TO COMPUTE THE VOLUME OF MATERIAL REQUIRED IS 1.18.

EXCAVATION BELOW SUBGRADE (EBS) WILL BE MEASURED AND PAID FOR AS EXCAVATION COMMON. THE LOCATION FOR EBS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS SECTIONS BUT IS MEASURED AND PAID FOR AS COMMON EXCAVATION.

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

THE EXACT LOCATION AND WIDTH OF DRIVEWAY ENTRANCES WILL BE DETERMINED IN THE FIELD BY THE ENGINEER. ALL DRIVEWAYS ARE TO BE REPLACED IN KIND UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS SHOWN ON THE PLANS.

SAWCUT LOCATIONS SHOWN ON THE PLAN ARE SUBJECT TO ADJUSTMENT BY THE ENGINEER IN THE FIELD. THE LINE OF SUCH SAWCUTS WILL BE NEATLY DELINEATED THROUGH THE ASPHALT AND/OR CONCRETE STREETS, DRIVEWAYS AND/OR PARKING LOTS AT THE MATCH LINE AS SHOWN ON THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER WITHOUT ANY DAMAGE TO THE REMAINING PORTION OF THE EXISTING PAVEMENT.

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN AND PROVIDE DOCUMENTATION TO THE ENGINEER.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.

TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL WILL NOT BE PERMITTED IN WETLANDS, FLOODWAY OR FLOODPLAIN OF ANY WETLANDS.

SEED, FERTILIZE, AND INSTALL EROSION MAT ON ALL SALVAGED TOPSOILED AREAS WITHIN 7 WORKING DAYS AFTER GRADING WORK IS COMPLETED.

DO NOT APPLY FERTILIZER WITHIN 20 FEET OF A WATER BODY OR WETLAND.

SEED MIXTURE NO.40 SHALL BE USED THROUGHOUT THE PROJECT.

EROSION CONTROL MEASURES WILL BE PLACED AS SHOWN ON THE EROSION CONTROL PLAN. THE EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER. ANY REMOVAL OF ITEMS ARE INCIDENTAL TO THE RESPECTIVE EROSION CONTROL BID ITEM COSTS.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE SALVAGED TOPSOIL, FERTILIZED, SEEDED, TEMPORARY SEEDED AND MULCHED AS DIRECTED BY THE ENGINEER.

RESHAPE AND SEEDING OF ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY OPERATIONS OUTSIDE OF THE ENGINEER DETERMINED CONSTRUCTION LIMITS ARE INCIDENTAL TO THE CONTRACT.

NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL BY THE ENGINEER.

STATIONING FOR SIGNS SHOWN IN THE PLANS ARE APPROXIMATE AND THE FINAL LOCATION OF SIGNS ARE TO BE DETERMINED BY THE ENGINEER.

CURB AND GUTTER ELEVATIONS AND RADIUS POINTS ARE ALONG THE FLAG LINE UNLESS OTHERWISE NOTED.

PROPERTY LINES SHOWN ARE APPROXIMATE.

EXISTING ELEVATIONS SHALL BE VERIFIED IN THE FIELD.

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

WHERE NO SUPERELEVATION RATES ARE SHOWN IN THE PLAN, THE EXISTING SUPERELEVATION SHALL BE MAINTAINED.

EXISTING RETAINING WALLS AND STEPS SHALL REMAIN IN PLACE UNLESS OTHERWISE NOTED IN THE PLAN.

UTILITY CONTACTS

AT&T WISCONSIN - COMMUNICATION LINE
304 SOUTH DEWEY STREET, 4TH FLOOR
EAU CLAIRE, WI 54701
ATTN: RICK PODOLAK
715-839-5565 (OFFICE)
715-410-0656 (CELL)
rp4514@att.com

CENTURYLINK COMMUNICATIONS, LLC
- COMMUNICATION LINE
5480 FELTI ROAD
MINNETONKA, MN 55343
ATTN: PAUL POLK
952-351-2330 (OFFICE)
651-202-1431 (CELL)
paul.polk@lumen.com

BALDWIN TELECOM, INC
- COMMUNICATION LINE
930 MAPLE STREET
BALDWIN, WI 54002
ATTN: MATT KNEGENDORF
715-688-1034 (OFFICE)
715-760-0968 (CELL)
mknegendorf@lswi.net

COMCAST - COMMUNICATION LINE
4255 LEXINGTON AVENUE N, STE 100
ARDEN HILLS, MN 55026
ATTN: BEN UELAND
612-462-7911 (CELL)
benjamin.ueland@comcast.com

SPRINT - COMMUNICATION LINE
849 EARL STREET
ST PAUL, MN 55106
ATTN: DAN HILLIARD
651-772-6714 (OFFIC-NO VM)
612-217-3526 (CELL)
dan.j.hilliard@sprint.com
ATTN: JACK JELINEK
715-245-0491 (OFFICE)
jjelinek@mi-tech.us

VERIZON - COMMUNICATION LINE
15725 WEST RYERSON ROAD
NEW BERLIN, WI 53151
ATTN: RANDY CICATELLO
262-782-9907 (OFFICE)
262-232-1323 (CELL)
randy.cicatello@verizon.com

WINDSTREAM - COMMUNICATION LINE
314 NORTH DANZ AVENUE
GREEN BAY, WI 54302-3526
ATTN: ERIC BECKER
920-461-9825 (CELL)
eric.becker@windstream.com

HUDSON PUBLIC UTILITIES - WATER
505 3RD STREET
HUDSON, WI 54016-1603
ATTN: KIP PETERS
715-386-4765 x115 (OFFICE)
920-219-0378 (CELL)
kpeters@hudsonwi.gov

HUDSON PUBLIC UTILITIES - SEWER
505 3RD STREET
HUDSON, WI 54016-1603
ATTN: KIP PETERS
715-386-4765 x115 (OFFICE)
920-219-0378 (CELL)
kpeters@hudsonwi.gov

XCEL ENERGY - ELECTRICTY
2001 OLD HIGHWAY 35 S
HUDSON, WI 54016
ATTN: DARREN NORDSKOG
715-386-4798 (OFFICE)
715-410-3755 (CELL)
darren.m.nordskog@xcelenergy.com

XCEL ENERGY - GAS
2001 OLD HIGHWAY 35 S
HUDSON, WI 54016
ATTN: DARREN NORDSKOG
715-386-4798 (OFFICE)
715-410-3755 (CELL)
darren.m.nordskog@xcelenergy.com

MIDWEST NATURAL GAS, INC - GAS
611 SHAY STREET
SOMERSET, WI 54025
ATTN: JUSTIN JACOBS
715-247-5279 (OFFICE)
715-797-0590 (CELL)
justin.jacobs@midwestnaturalgas.com

* VILLAGE OF NORTH HUDSON - WATER
400 7TH STREET NORTH
HUDSON, WI 54016
ATTN: PATRICK MOOS
715-386-1730 (OFFICE)
715-760-1383 (CELL)
pmoos@northhudsonvillage.org

* VILLAGE OF NORTH HUDSON - SEWER
400 7TH STREET NORTH
HUDSON, WI 54016
ATTN: PATRICK MOOS
715-386-1730 (OFFICE)
715-760-1383 (CELL)
pmoos@northhudsonvillage.org

* DENOTES NOT A MEMBER OF DIGGERS HOTLINE

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

RAILROAD CONTACT

UNION PACIFIC RAILROAD
1400 DOUGLAS,MS 0910
OMAHA, NE 68179
ATTN: CHRIS T. KECKEISEN
402-544-5131
ctkeckei@up.com

VILLAGE OF NORTH HUDSON

400 7TH STREET NORTH
HUDSON, WI 54016
ATTN: PATRICK MOOS
715-386-1730
pmoos@northhudsonvillage.org

CITY OF HUDSON

505 THIRD STREET
HUDSON, WI 54016-1694
ATTN: TOM ZEULI
715-386-4767
tomzeuli@ci.hudson.wi.us

DESIGN CONTACTS

AYRES ASSOCIATES
3433 OAKWOOD HILLS PARKWAY
EAU CLAIRE, WI 54701
ATTN: JEFF ABRAMSON, PE
715-834-3161
abramsonj@ayresassociates.com

CBS SQUARED, INC
8383 GREENWAY BLVD
MIDDLETON, WI 53562
ATTN: JIM HANSON, PE
608-234-0124
jhanson@cbssquaredinc.com

DNR CONTACT

DNR WEST CENTRAL REGION HEADQUARTERS
1300 WEST CLAIREMONT AVENUE
EAU CLAIRE, WI 54701
ATTN: AMY LESIK
715-836-6571
amy.l.lesik@wisconsin.gov

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

ORDER OF SECTION 2 SHEETS

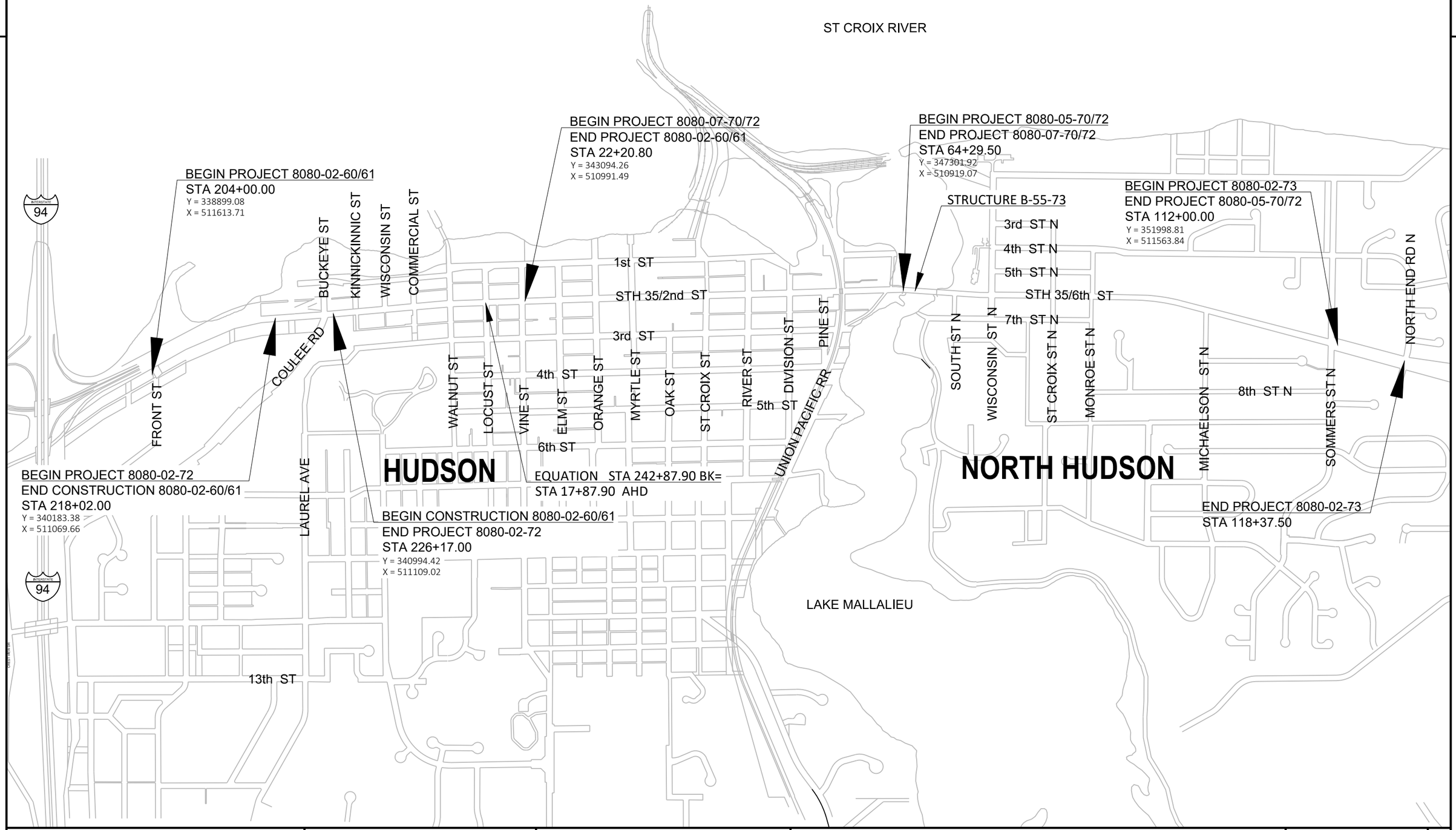
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
INTERSECTION DETAILS
PAVING DETAILS
CURB RAMP DETAILS
EROSION CONTROL
STORM SEWER & DRAINAGE
LANDSCAPING
SIGNING
TRAFFIC SIGNALS
PAVEMENT MARKING
TRAFFIC CONTROL & CONSTRUCTION STAGING

2

PROJECT NO: 8080-02-30/07-70/05-70	HWY: STH 35	COUNTY: ST CROIX	GENERAL NOTES	SHEET 3	E

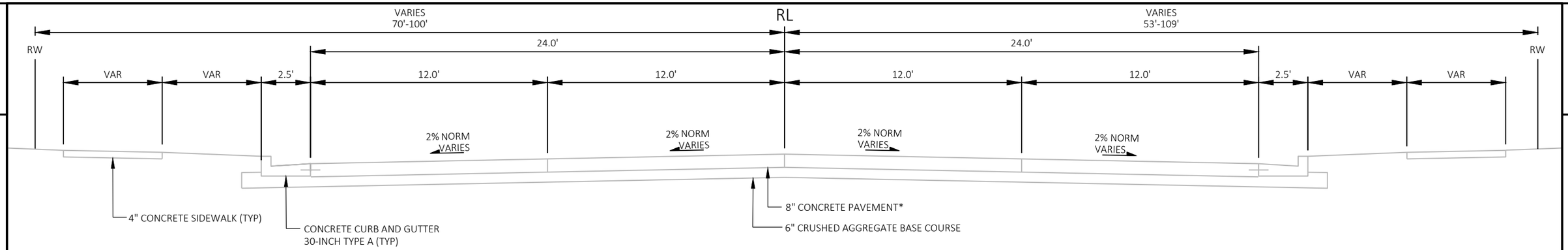
FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\020101-GN.DWG
LAYOUT NAME - 020101-gn
PLOT DATE : 1/20/2021 9:20 AM
PLOT BY : RESHESKE, CARRIE
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2



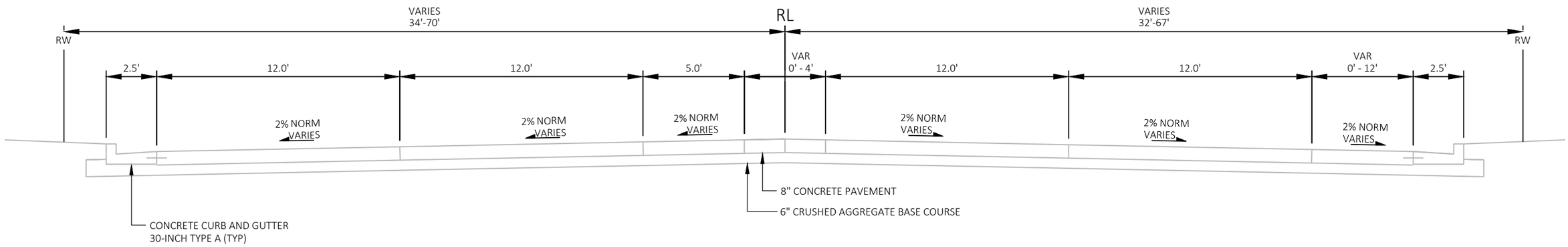
PROJECT NO: 8080-02-30/07-70/05-70	HWY: STH 35	COUNTY: ST CROIX	PROJECT OVERVIEW	SHEET 4	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - 020201-po
PLOT DATE : 7/29/2020 12:55 PM
PLOT BY : WOOLEVER, NATHAN
PLOT NAME :
PLOT SCALE : 1 IN:1000 FT
WISDOT/CADDS SHEET 42

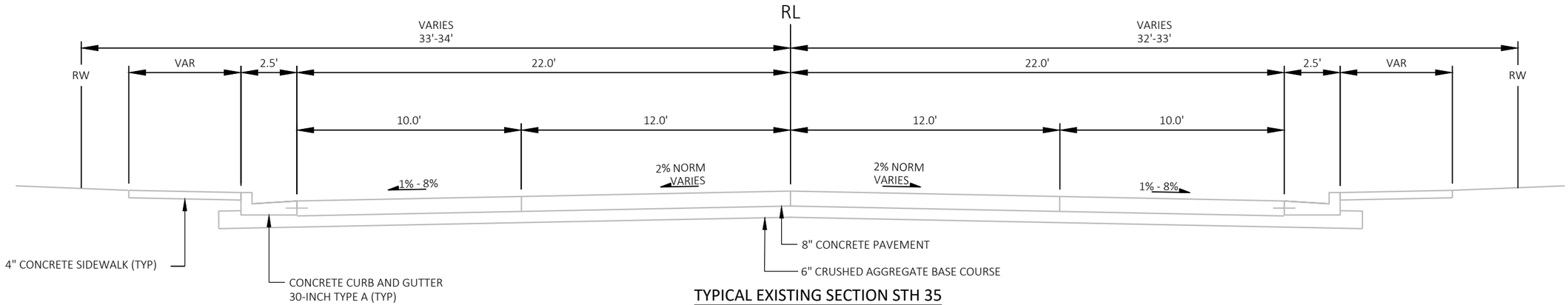


* EXISTING CONCRETE PAVEMENT MAY BE REINFORCED. AS-BUILTS FOR THIS LOCATION WERE NOT AVAILABLE.

TYPICAL EXISTING SECTION STH 35
STA 204+00.00 - STA 221+53.00

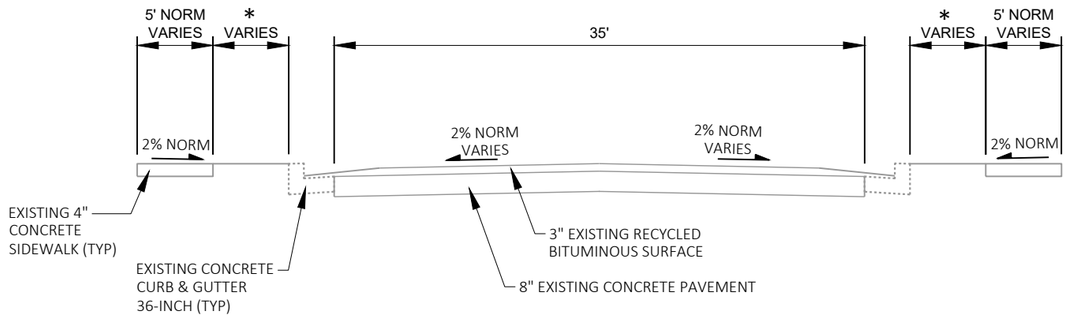


TYPICAL EXISTING SECTION STH 35
STA 221+53.00 - STA 229+92.00



TYPICAL EXISTING SECTION STH 35
STA 229+92.00 - STA 242+87.90
STA 17+87.90 - STA 22+20.80

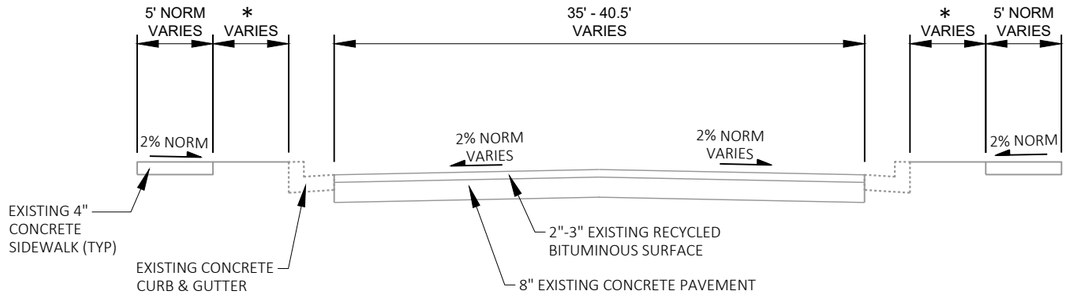
PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PLAN: TYPICAL SECTIONS	SHEET 5	E



EXISTING TYPICAL SECTION STH 35

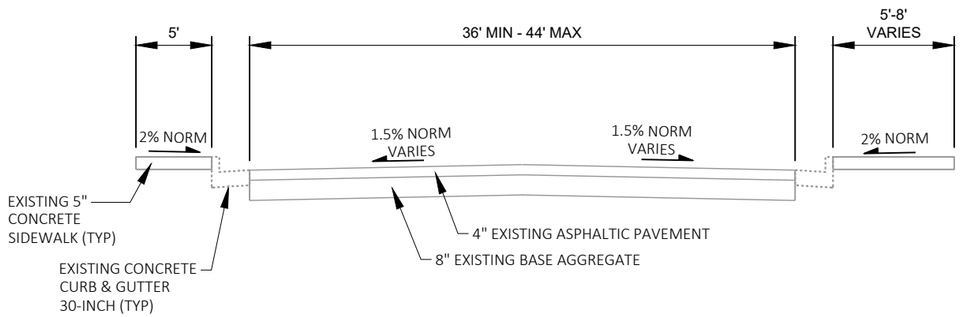
STA 22+20.80 - STA 58+00.00

* NO TERRACE FROM STA 51+20 - STA 69+70, RT
AND STA 51+20 - STA 73+50, LT



EXISTING TYPICAL SECTION STH 35

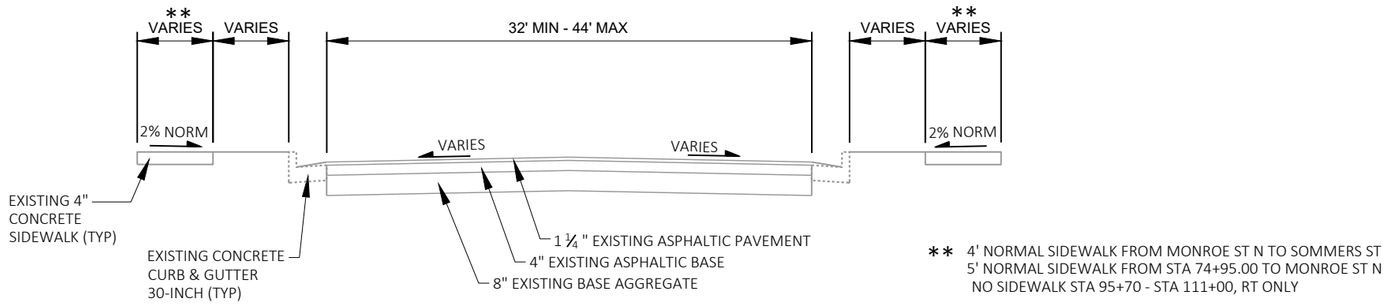
STA 58+00.00 - STA 62+00.00
STA 72+55.00 - STA 74+95.00



EXISTING TYPICAL SECTION STH 35

STA 62+00.00 - STA 64+30.00
STA 68+07.00 - STA 72+55.00

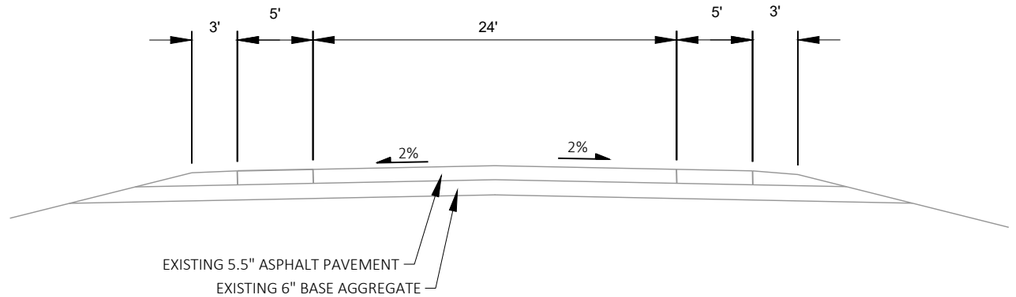
2



** 4' NORMAL SIDEWALK FROM MONROE ST N TO SOMMERS ST
5' NORMAL SIDEWALK FROM STA 74+95.00 TO MONROE ST N
NO SIDEWALK STA 95+70 - STA 111+00, RT ONLY

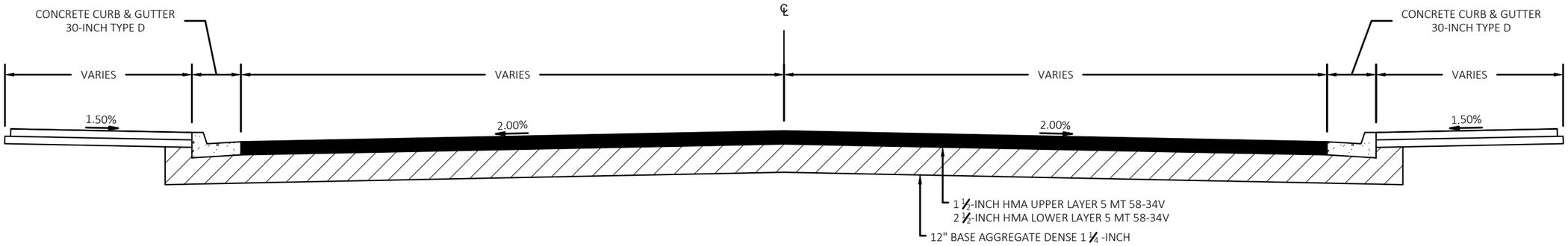
EXISTING TYPICAL SECTION STH 35

STA 74+95.00 - STA 111+00.00



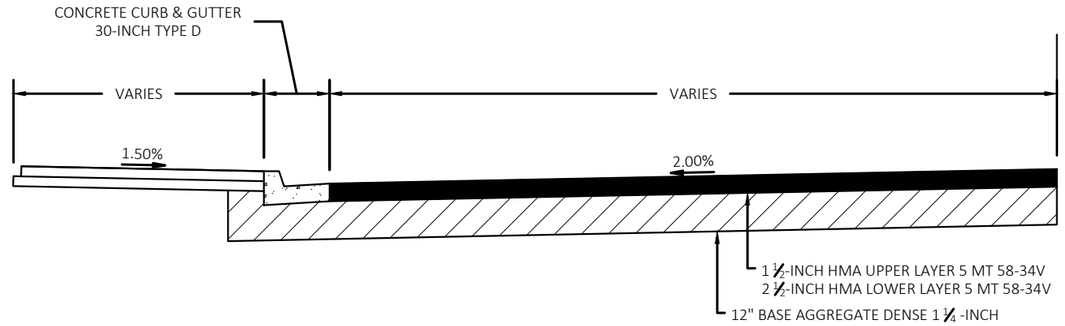
EXISTING TYPICAL SECTION STH 35

STA 112+00.00 - STA 118+50.00



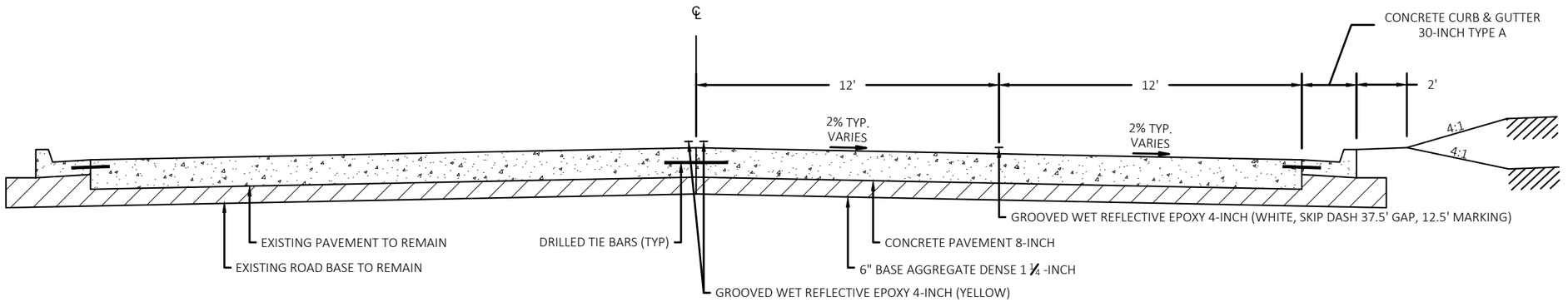
TYPICAL FINISHED SECTION

LOCUST STREET AND WISCONSIN STREET REPAIRS



TYPICAL FINISHED SECTION

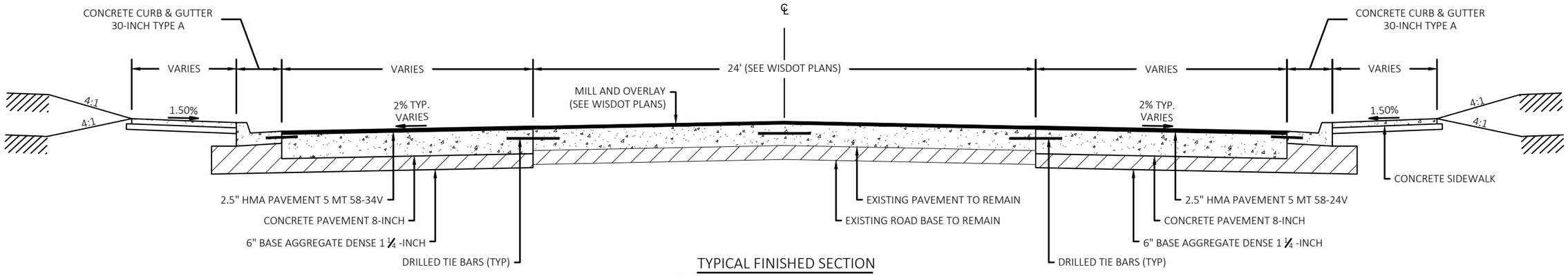
NORTHWESTERN MUTUAL PARKING LOT



TYPICAL FINISHED SECTION STH 35

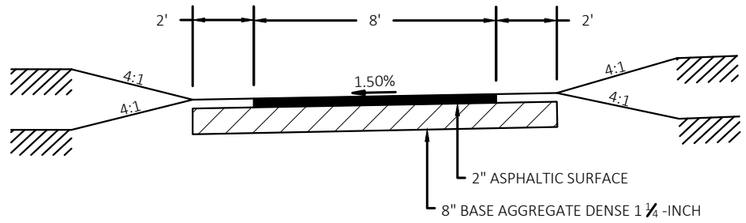
STA 205+99.00 - STA 213+60.00

PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	DETAILS	SHEET 8	E



TYPICAL FINISHED SECTION

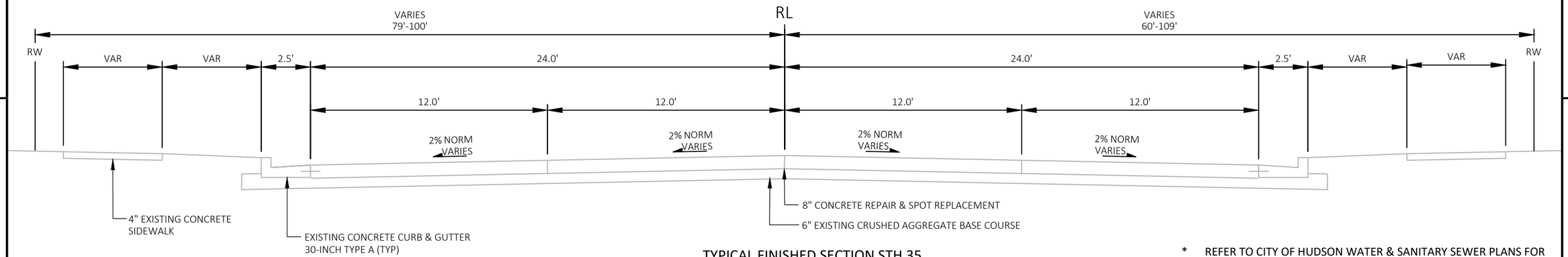
LOCUST STREET AND WISCONSIN STREET REPAIRS



TYPICAL FINISHED SECTION TRAIL

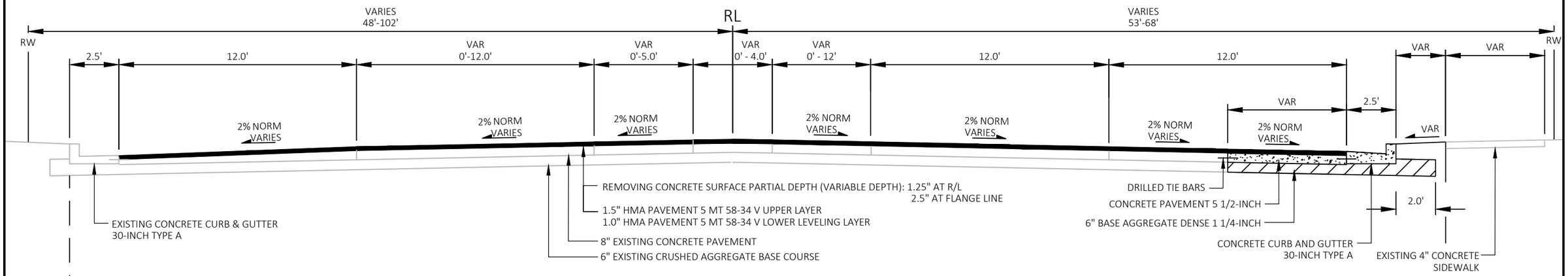
STA 205+40.00 - STA 214+42.00

PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	DETAILS	SHEET 9	E

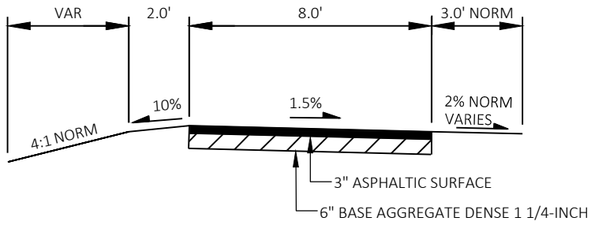


TYPICAL FINISHED SECTION STH 35
STA 204+00.00 - STA 218+02.00*

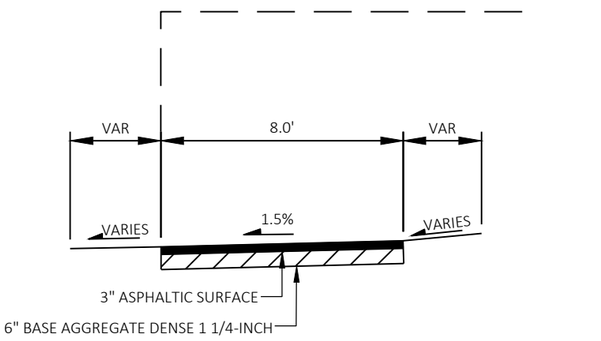
* REFER TO CITY OF HUDSON WATER & SANITARY SEWER PLANS FOR TYPICAL FINISHED SECTION FROM STA 205+98.00 - STA 213+60.00 RT. NO PAVEMENT REPAIR OR SPOT REPLACEMENT REQUIRED FROM STA 205+98.00 - STA 213+60.00 RT.



TYPICAL FINISHED SECTION STH 35
STA 218+02.00 - STA 223+17.00



TYPICAL FINISHED PARTIAL SECTION - SHARED-USE PATH
STA 221+31.00 - STA 224+56.00

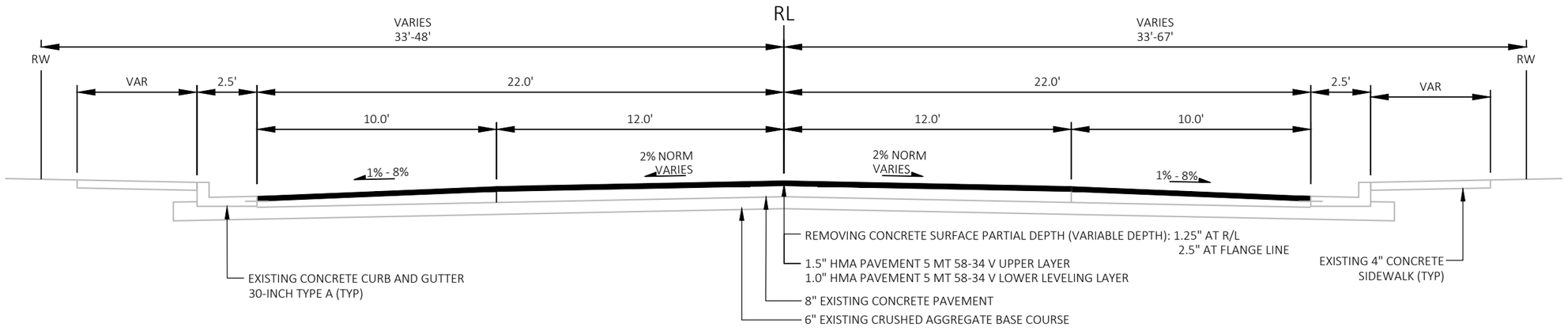


TYPICAL FINISHED PARTIAL SECTION - SHARED-USE PATH
STA 217+95.00 TO STA 219+22.56

PROJECT NO: 8080-02-60/72	HWY: STH 35	COUNTY: ST CROIX	PLAN: TYPICAL SECTIONS	SHEET 10	E

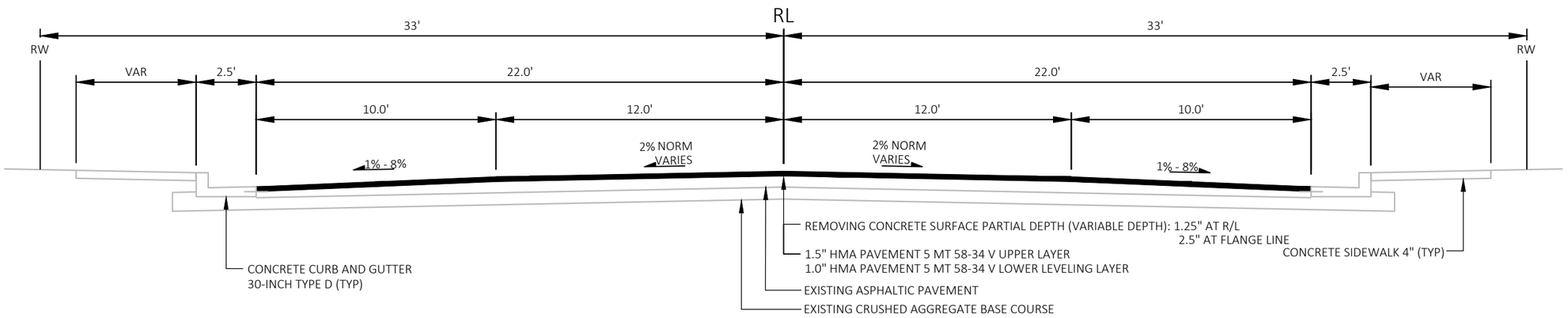
FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\020301_TS.DWG
LAYOUT NAME - 020302_ts
PLOT DATE : 7/30/2020 9:31 AM
PLOT BY : BEN NESJA
PLOT NAME :
PLOT SCALE : 1 IN:5 FT

2

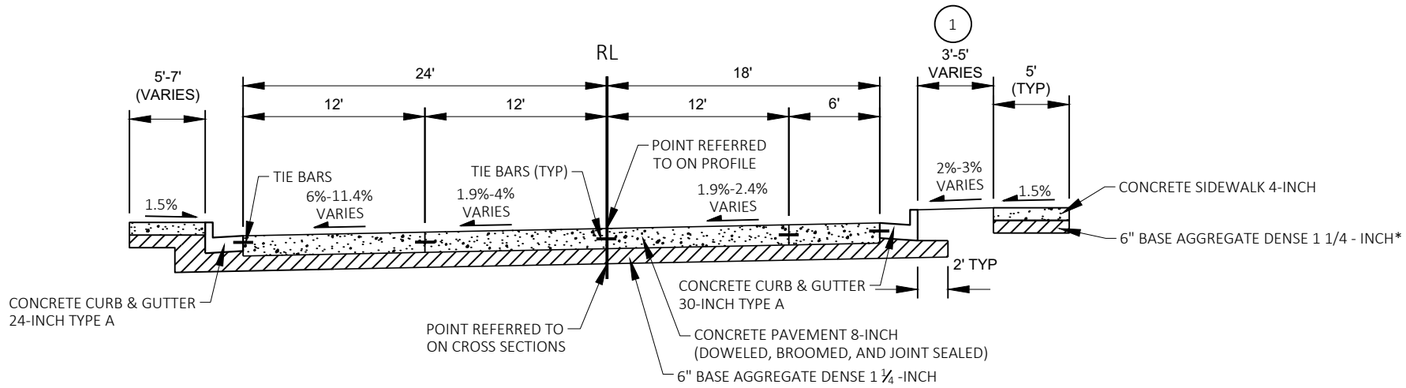


TYPICAL FINISHED SECTION STH 35
STA 223+17.00 - STA 242+87.90
STA 17+87.90 - STA 21+42.84**

** REFER TO CITY OF HUDSON WATER & SANITARY SEWER PLANS FOR TYPICAL FINISHED SECTION FOR BUMPOUTS AT WISCONSIN STREET AND LOCUST STREET.

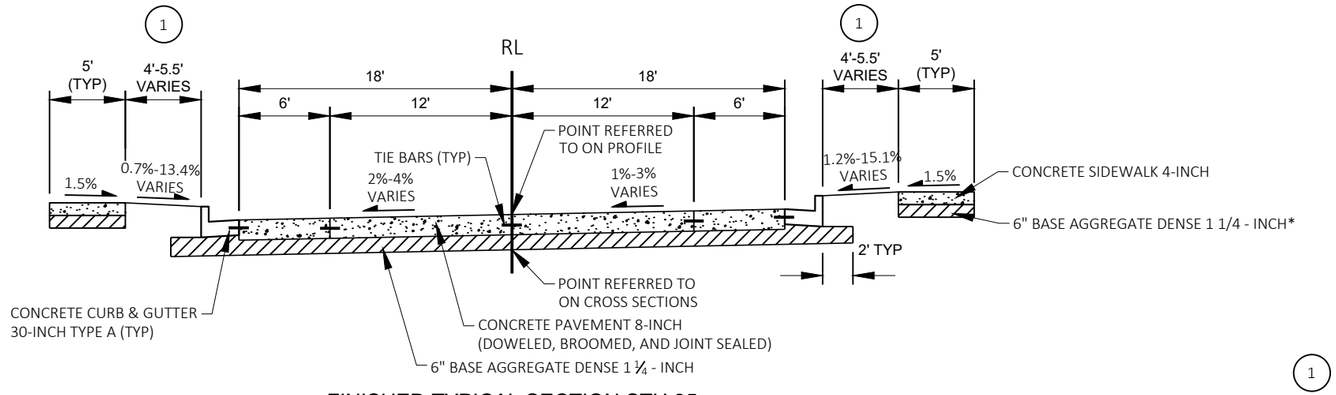


TYPICAL FINISHED SECTION STH 35
STA 21+42.84 - STA 22+20.80



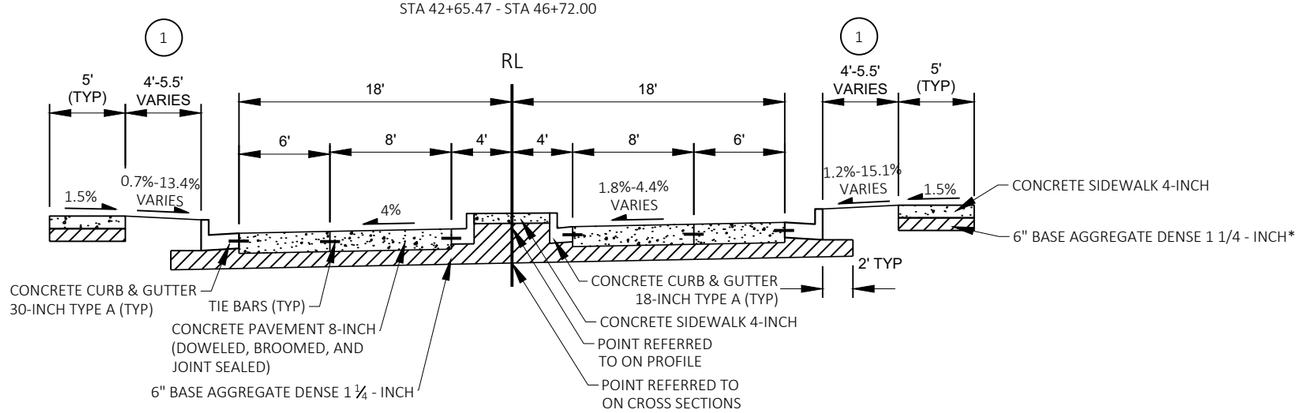
FINISHED TYPICAL SECTION STH 35

STA 22+20.80 - STA 22+70.45



FINISHED TYPICAL SECTION STH 35

STA 22+70.45 - STA 41+38.95
STA 41+80.95 - STA 42+24.47
STA 42+65.47 - STA 46+72.00



FINISHED TYPICAL SECTION STH 35

STA 41+38.95 - STA 41+80.95
STA 42+24.47 - STA 42+65.47

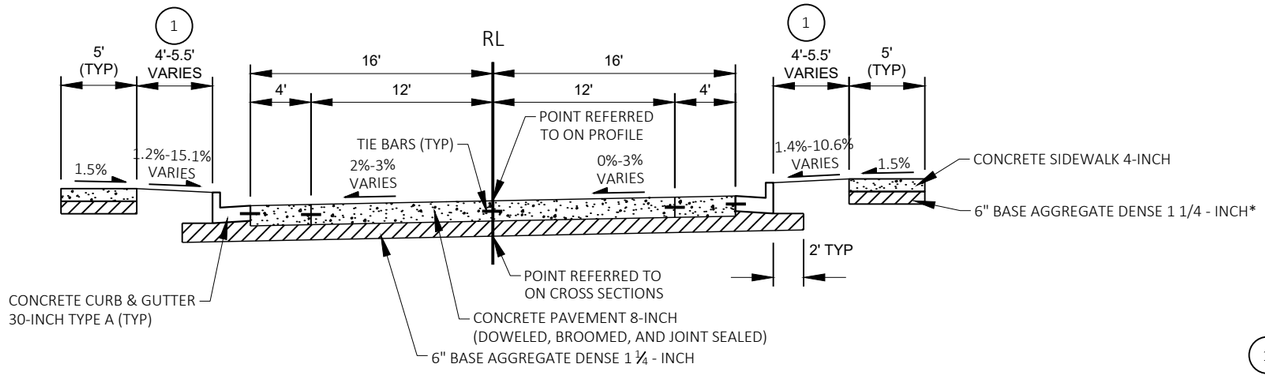
(1) TOPSOIL, FERTILIZER, SEED NO.40 & EROSION MAT URBAN CL.I TYPE A

SEE PAVING DETAILS FOR LOCATIONS OF SIDEWALK REPLACEMENT. REPLACE SIDEWALK WITH CONCRETE SIDEWALK 4-INCH OVER 6" BASE AGGREGATE DENSE 1¼ - INCH. CONCRETE SIDEWALK AT DRIVEWAYS 6-INCH OVER 6" BASE AGGREGATE DENSE 1¼ - INCH.

PLACE A ½" EXPANSION JOINT AT ALL LOCATIONS WHERE PROPOSED CONCRETE SIDEWALK IS ADJACENT TO EXISTING SIDEWALK, BLOCK OR POURED RETAINING WALLS, OR STEPS.

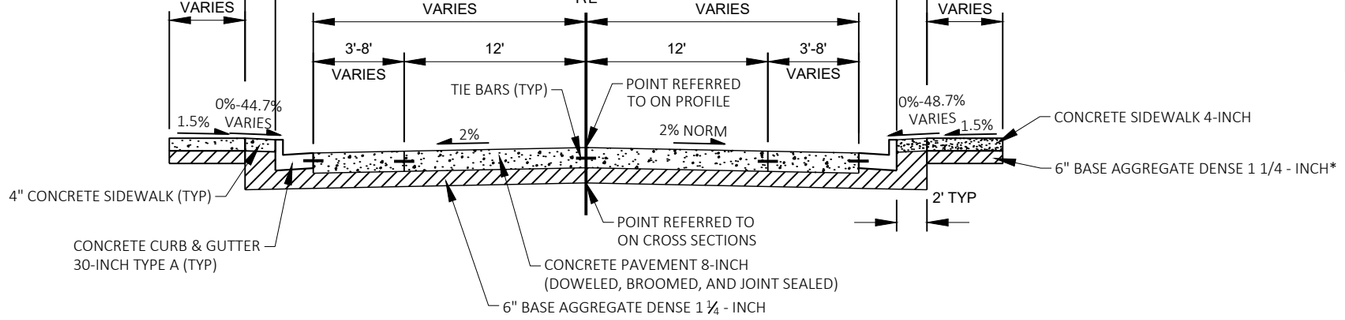
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	FINISHED TYPICAL SECTIONS	SHEET 12	E

2



FINISHED TYPICAL SECTION STH 35

STA 47+25.00 - STA 51+50.00



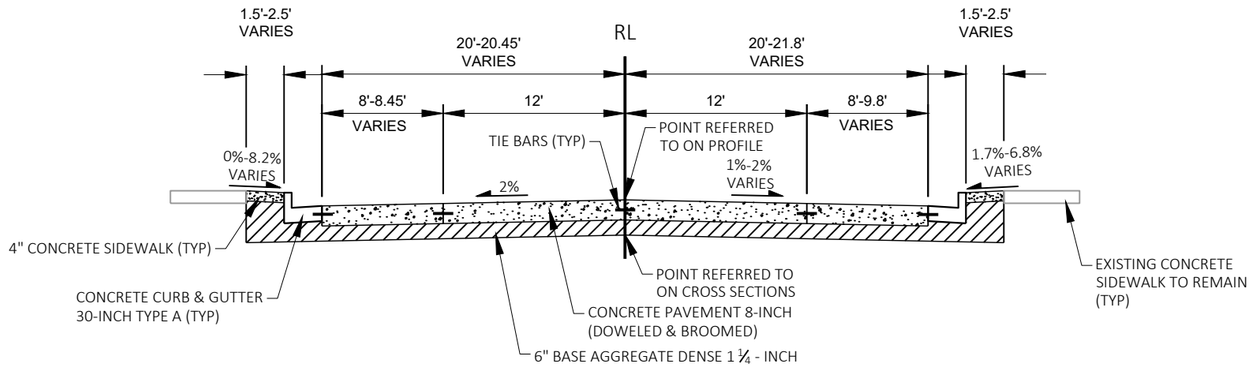
FINISHED TYPICAL SECTION STH 35

STA 51+75.00 - STA 64+25.00

(1) TOPSOIL, FERTILIZER, SEED NO.40 & EROSION MAT URBAN CL.I TYPE A

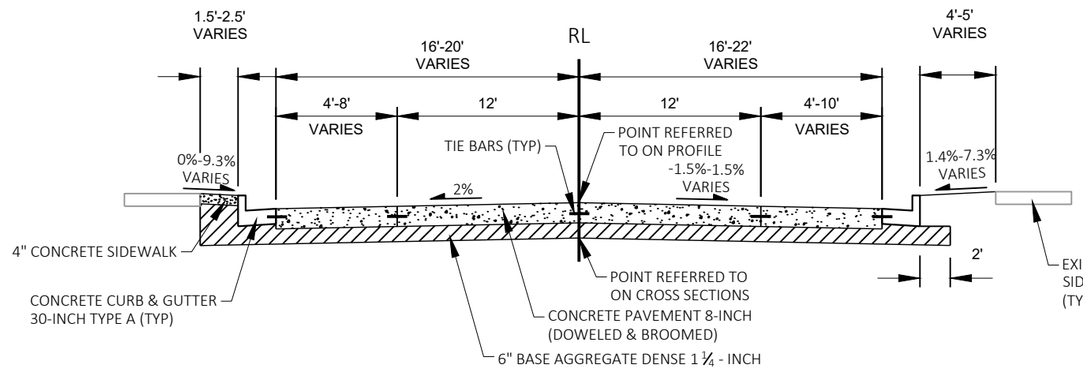
SEE PAVING DETAILS FOR LOCATIONS OF SIDEWALK REPLACEMENT. REPLACE SIDEWALK WITH CONCRETE SIDEWALK 4-INCH OVER 6" BASE AGGREGATE DENSE 1¼ - INCH. CONCRETE SIDEWALK AT DRIVEWAYS 6-INCH OVER 6" BASE AGGREGATE DENSE 1¼ - INCH.

PLACE A ½" EXPANSION JOINT AT ALL LOCATIONS WHERE PROPOSED CONCRETE SIDEWALK IS ADJACENT TO EXISTING SIDEWALK, BLOCK OR POURED RETAINING WALLS, OR STEPS.



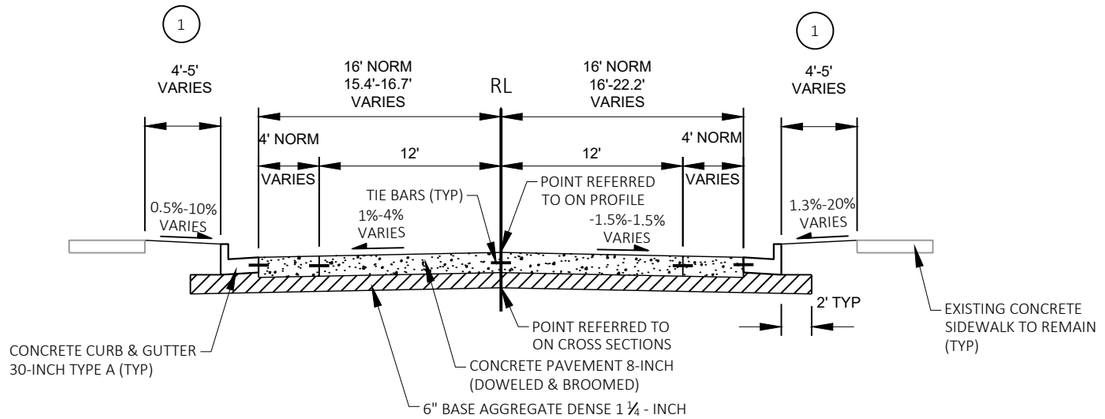
FINISHED TYPICAL SECTION STH 35

STA 68+25.00 - STA 70+00.00



FINISHED TYPICAL SECTION STH 35

STA 70+00.00 - STA 74+00.00



FINISHED TYPICAL SECTION STH 35

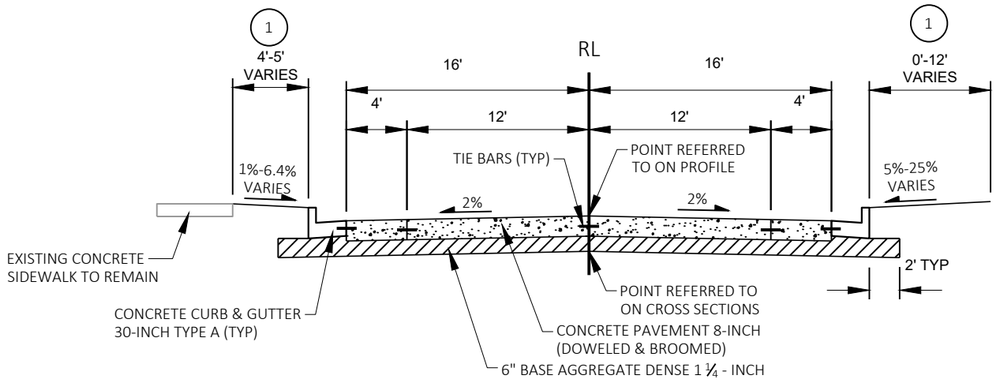
STA 74+25.00 - STA 96+75.00

(1) TOPSOIL, FERTILIZER, SEED NO.40 & EROSION MAT URBAN CL.I TYPE A

SEE PAVING DETAILS FOR LOCATIONS OF SIDEWALK REPLACEMENT. REPLACE SIDEWALK WITH CONCRETE SIDEWALK 4-INCH OVER 6" BASE AGGREGATE DENSE 1¼ - INCH. CONCRETE SIDEWALK AT DRIVEWAYS 6-INCH OVER 6" BASE AGGREGATE DENSE 1¼ - INCH.

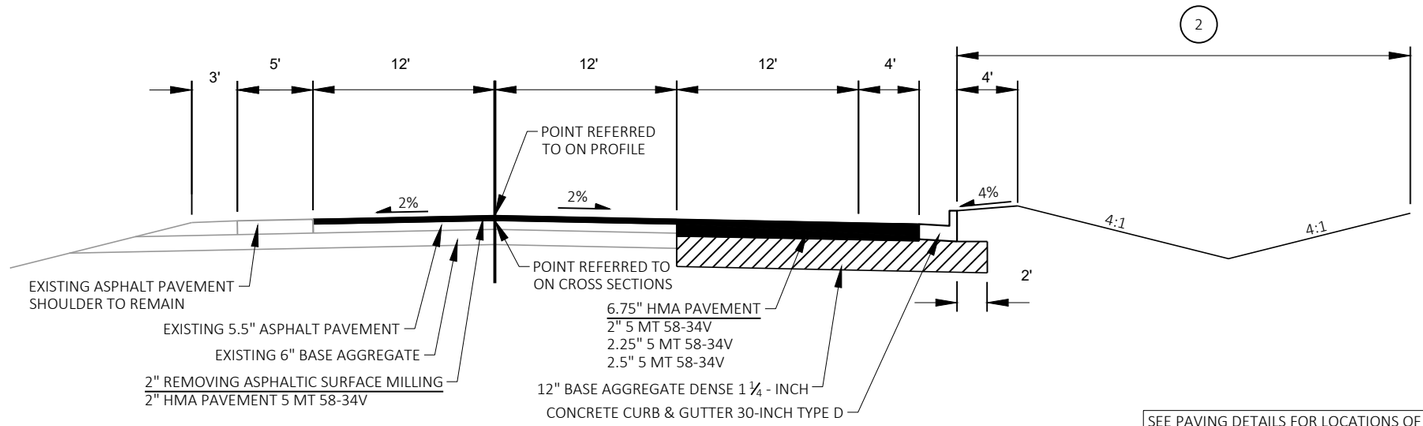
PLACE A ½" EXPANSION JOINT AT ALL LOCATIONS WHERE PROPOSED CONCRETE SIDEWALK IS ADJACENT TO EXISTING SIDEWALK, BLOCK OR POURED RETAINING WALLS, OR STEPS.

2



FINISHED TYPICAL SECTION STH 35

STA 97+00.00 - STA 112+00.00



FINISHED TYPICAL SECTION STH 35

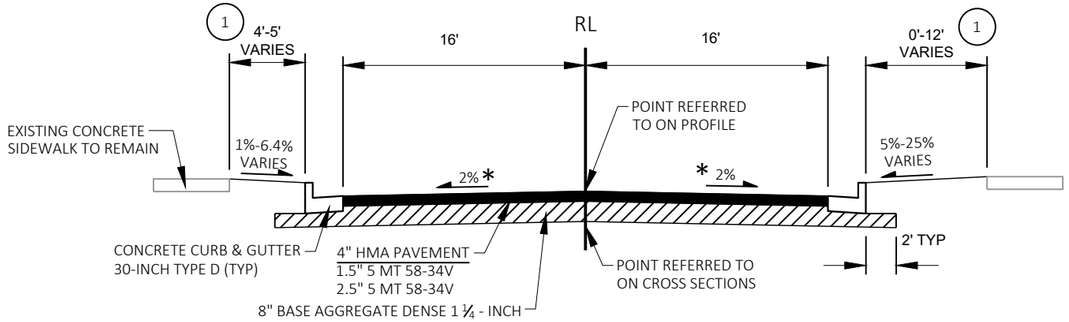
STA 112+00.00 - STA 118+50.00

1 TOPSOIL, FERTILIZER, SEED NO.40 & EROSION MAT URBAN CL.I TYPE A

2 SALVAGED TOPSOIL, FERTILIZER, SEED NO.40 & EROSION MAT URBAN CL.I TYPE A

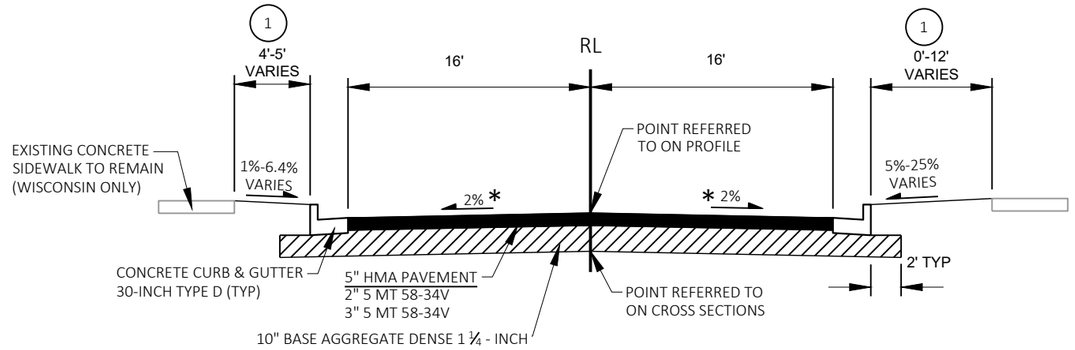
SEE PAVING DETAILS FOR LOCATIONS OF SIDEWALK REPLACEMENT. REPLACE SIDEWALK WITH CONCRETE SIDEWALK 4-INCH OVER 6" BASE AGGREGATE DENSE 1¼ - INCH. CONCRETE SIDEWALK AT DRIVEWAYS 6-INCH OVER 6" BASE AGGREGATE DENSE 1¼ - INCH.

PLACE A ½" EXPANSION JOINT AT ALL LOCATIONS WHERE PROPOSED CONCRETE SIDEWALK IS ADJACENT TO EXISTING SIDEWALK, BLOCK OR POURED RETAINING WALLS, OR STEPS.



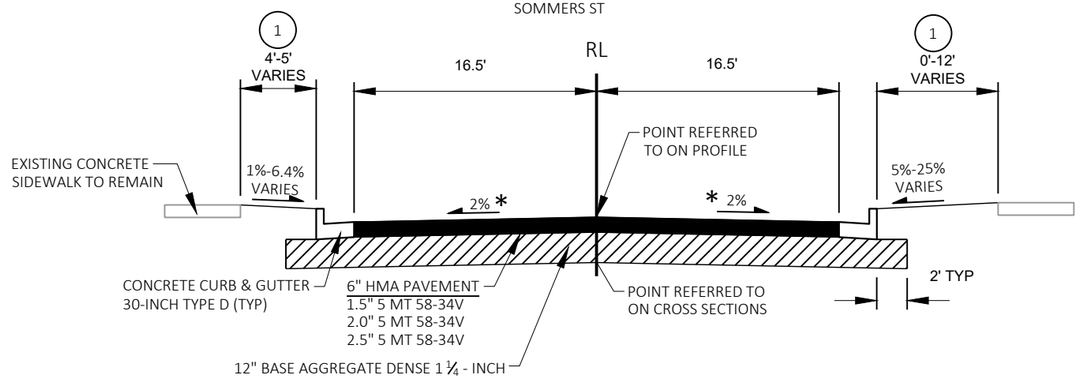
FINISHED TYPICAL SECTION - SIDEROADS

ELM ST
ORANGE ST
MYRTLE ST
ST CROIX ST S (WEST ONLY)
RIVER ST
DIVISION ST
SHOP RD
NORTH ST
SOUTH ST
WISCONSIN ST (EAST ONLY)
ST CROIX ST N



FINISHED TYPICAL SECTION - SIDEROADS

WISCONSIN ST (WEST ONLY)
MONROE ST N
MICHAELSON ST
SOMMERS ST



FINISHED TYPICAL SECTION - SIDEROADS

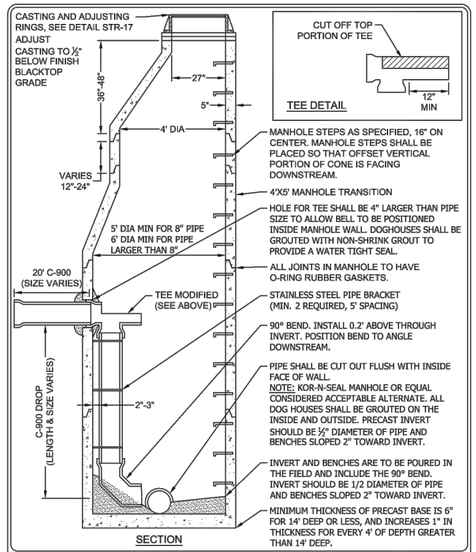
ST CROIX ST S (EAST ONLY)

(1) TOPSOIL, FERTILIZER, SEED NO.40 & EROSION MAT URBAN CL.I TYPE A

* MATCH THE EXISTING CROSS SLOPE OF ADJACENT SIDE ROADS AND WARP ROADWAY TO MATCH INTO MAINLINE.

SEE PAVING DETAILS FOR LOCATIONS OF SIDEWALK REPLACEMENT. REPLACE SIDEWALK WITH CONCRETE SIDEWALK 4-INCH OVER 6" BASE AGGREGATE DENSE 1¼ - INCH. CONCRETE SIDEWALK AT DRIVEWAYS 6-INCH OVER 6" BASE AGGREGATE DENSE 1¼ - INCH.

PLACE A ½" EXPANSION JOINT AT ALL LOCATIONS WHERE PROPOSED CONCRETE SIDEWALK IS ADJACENT TO EXISTING SIDEWALK, BLOCK OR POURED RETAINING WALLS, OR STEPS.



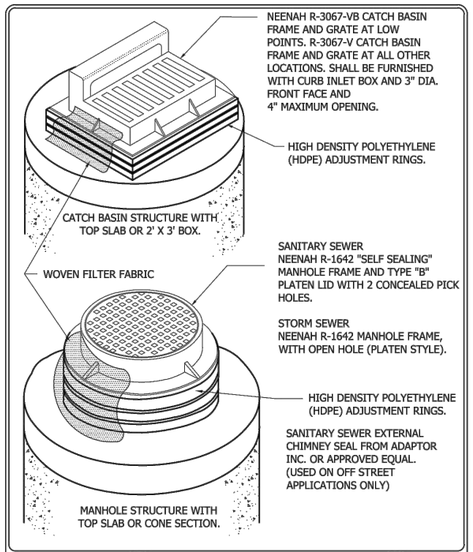
SECTION

CITY OF HUDSON

SANITARY SEWER INSIDE DROP INLET MANHOLE

LAST REVISION: March 2019

PLATE NO. SAN-2

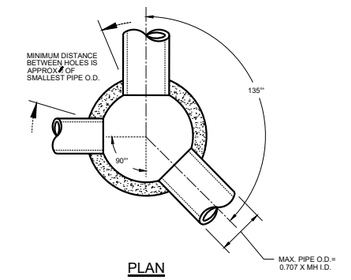


CITY OF HUDSON

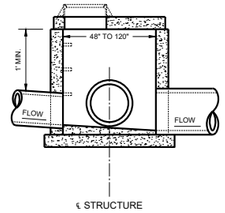
CATCH BASIN & MANHOLE ADJUSTMENT (HIGH DENSITY POLYETHYLENE RINGS)

LAST REVISION: March 2019

PLATE NO. STR-16



PLAN



SECTION

MAXIMUM PIPE SIZE OF RCP			
MANHOLE DIA.	FROM STRAIGHT THRU TO 135° ANGLE	IF 90° ANGLE	IF 180° ANGLE
4 FT.	24" RCP	18" RCP	24" RCP
5 FT.	33" RCP	27" RCP	33" RCP
6 FT.	36" RCP	33" RCP	36" RCP
7 FT.	48" RCP	36" RCP	48" RCP
8 FT.	54" RCP	42" RCP	54" RCP

SEH

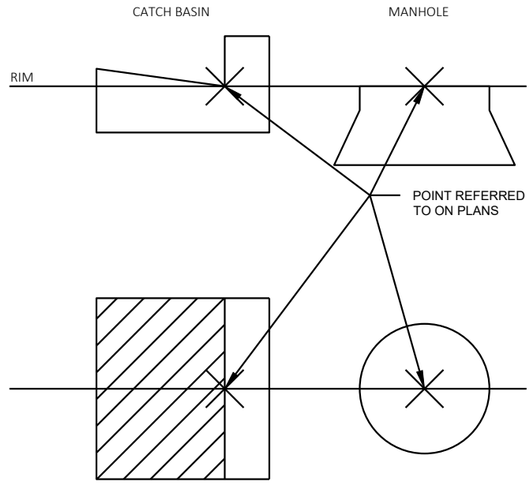
MANHOLE SIZING CHART

NTS

Revised: Oct. 2011

SEH Plate No. STM-11

PROFILE VIEW

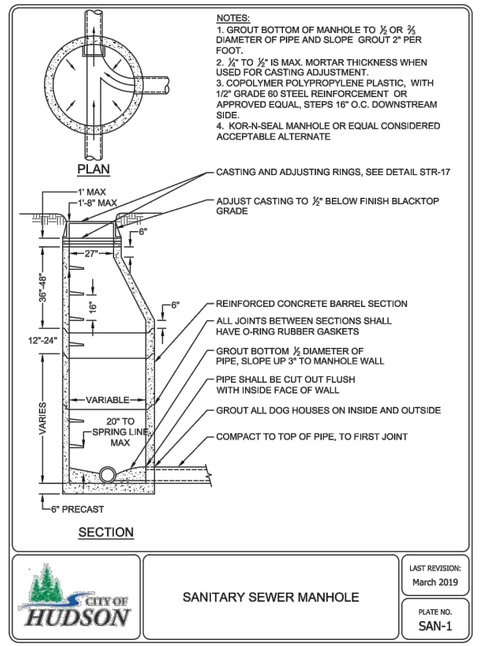


PLAN VIEW

NTS

SEH

SANITARY AND STORM SEWER REFERENCE POINTS

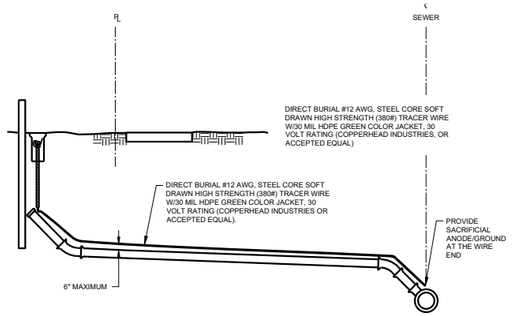


CITY OF HUDSON

SANITARY SEWER MANHOLE

LAST REVISION: March 2019

PLATE NO. SAN-1

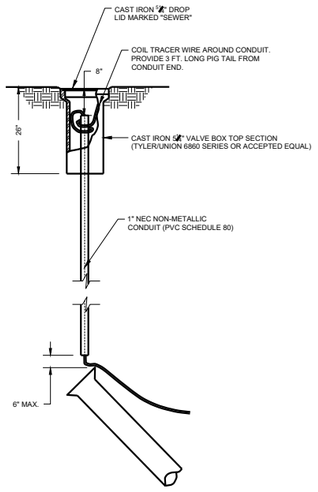


NOTES:
1. PLACE WIRE ALONG AXIS OF PIPE AND NOT IN DIRECT CONTACT WITH PVC PIPE.
2. EXCEPT FOR APPROVED SPLICED-IN CONNECTIONS, TRACER WIRE SHALL BE CONTINUOUS FROM END TO END.
3. SPLICED OR REPAIRED WIRE CONNECTIONS IN THE TRACER WIRE SYSTEM SHALL BE UL LISTED FOR DIRECT BURIAL, WATER AND CORROSION PROOF (DRYCONN KING, DRYCONN DIRECT BURY LUG OR ACCEPTED EQUAL). SPLIT-BOLT AND TWISTED WIRE SPLICES WILL NOT BE ACCEPTED.
4. TRACER WIRE FOR SERVICES INSTALLED WITH HORIZONTAL DIRECTIONAL DRILLING METHODS SHALL BE DIRECT BURIAL #12 AWG SOLID, STEEL CORE HARD DRAWN EXTRA HIGH STRENGTH WIRE (11508 AVERAGE TENSILE LOAD) WITH 45 MIL HDPE GREEN JACKET 30 VOLT RATING (COPPERHEAD INDUSTRIES OR ACCEPTED EQUAL)
5. PROVIDE 17# MAGNESIUM ANODE AT TRACER WIRE END. REMOVE ANODE PROTECTIVE PLASTIC COVER AND APPLY WATER AS DIRECTED BY MANUFACTURER.
6. TEST CONTINUITY OF CONDUCTION IN THE PRESENCE OF THE ENGINEER. DEMONSTRATE CONTINUITY BY CONNECTING A SIGNAL GENERATOR AT TERMINUS OF THE SYSTEM AND TRACE THE WIRE THROUGHOUT THE INSTALLATION. LOCATE AND REPAIR ANY BREAK IN CONDUCTIVITY.

NTS

Revised:
Oct. 2011
SEH Plate No.
SAN-09

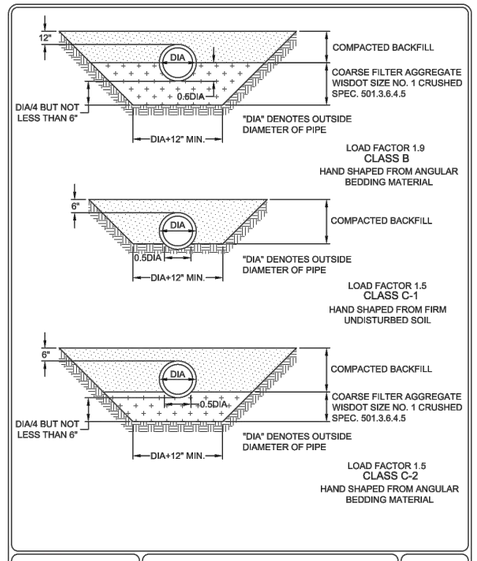
SANITARY SEWER SERVICE TRACER WIRE (PLATE 1 OF 2)



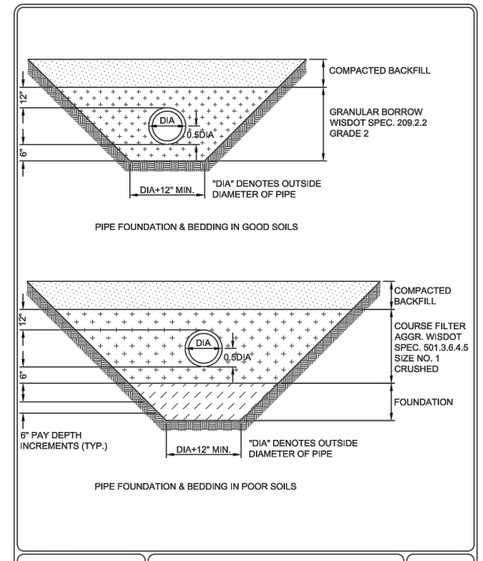
NTS

Revised:
Oct. 2011
SEH Plate No.
SAN-09

SANITARY SEWER TRACER WIRE (PLATE 2 OF 2)

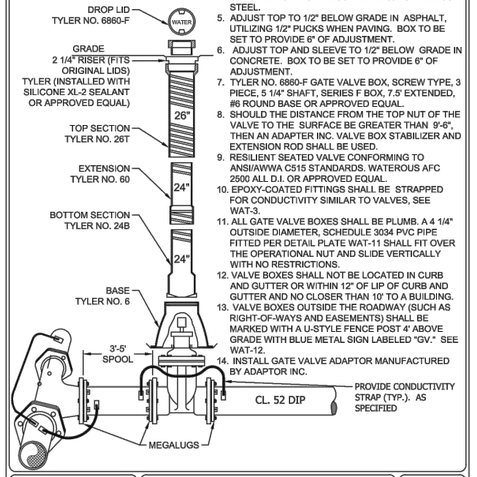


CITY OF HUDSON	BEDDING METHODS FOR RCP, VCP AND DIP	BED-1 MARCH 2019



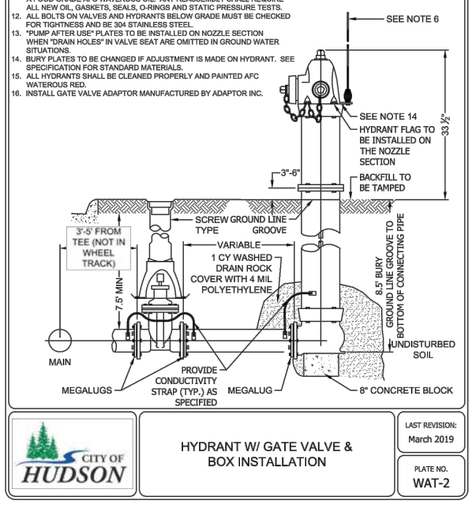
CITY OF HUDSON	BEDDING METHODS FOR PVC	BED-2 MARCH 2019

NOTES:
1. NO THREADED INSERT SECTIONS ARE ALLOWED. TYLER 2 1/4" TO 4" RISERS WITH SILICONE XL-2 SEALANT OR APPROVED EQUAL ARE ACCEPTABLE.
2. 7.5' MINIMUM COVER REQUIRED OVER TOP OF WATER MAIN.
3. "MEGALUG" THRUST RESTRAINT GLAND TO BE USED ON ALL MECHANICAL JOINTS.
4. ALL BOLTS ON VALVES BELOW GRADE MUST BE CHECKED FOR TIGHTNESS AND BE 304 STAINLESS STEEL.
5. ADJUST TOP TO 1/2" BELOW GRADE IN ASPHALT, UTILIZING 1/2" PUCKS WHEN PAVING. BOX TO BE SET TO PROVIDE 6" OF ADJUSTMENT.
6. ADJUST TOP AND SLEEVE TO 1/2" BELOW GRADE IN CONCRETE. BOX TO BE SET TO PROVIDE 6" OF ADJUSTMENT.
7. TYLER NO. 6860-F GATE VALVE BOX, SCREW TYPE, 3 PIECE, 5 1/4" SHAFT, SERIES F BOX, 7.5' EXTENDED, #6 ROUND BASE OR APPROVED EQUAL.
8. SHOULD THE DISTANCE FROM THE TOP NUT OF THE VALVE TO THE SURFACE BE GREATER THAN 9'-6", THEN AN ADAPTER INC. VALVE BOX STABILIZER AND EXTENSION ROD SHALL BE USED.
9. RESILIENT SEATED VALVE CONFORMING TO ANSI/AWWA C515 STANDARDS. WATEROUS AFC 2500 ALL D.I. OR APPROVED EQUAL.
10. EPOXY-COATED FITTINGS SHALL BE STRAPPED FOR CONDUCTIVITY SIMILAR TO VALVES, SEE WAT-3.
11. ALL GATE VALVE BOXES SHALL BE PLUMB. A 4 1/4" OUTSIDE DIAMETER, SCHEDULE 3034 PVC PIPE FITTED PER DETAIL PLATE WAT-11 SHALL FIT OVER THE OPERATIONAL NUT AND SLIDE VERTICALLY WITH NO RESTRICTIONS.
12. VALVE BOXES SHALL NOT BE LOCATED IN CURB AND GUTTER OR WITHIN 12" OF LIP OF CURB AND GUTTER AND NO CLOSER THAN 10' TO A BUILDING.
13. VALVE BOXES OUTSIDE THE ROADWAY (SUCH AS RIGHT-OF-WAYS AND EASEMENTS) SHALL BE MARKED WITH A U-STYLE FENCE POST 4' ABOVE GRADE WITH BLUE METAL SIGN LABELED "GV." SEE WAT-12.
14. INSTALL GATE VALVE ADAPTOR MANUFACTURED BY ADAPTOR INC.

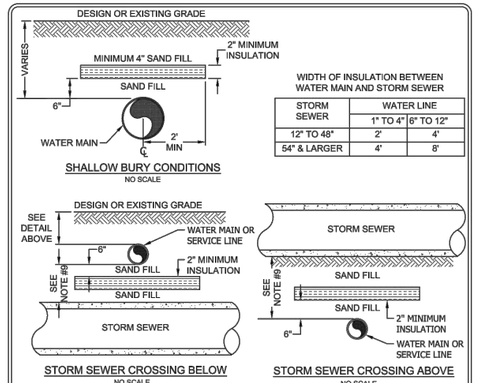


CITY OF HUDSON	GATE VALVE AND BOX INSTALLATION	LAST REVISION: March 2019 PLATE NO. WAT-1

NOTES:
1. ALL HYDRANT LEADS SHALL BE VALVED.
2. HYDRANTS TO BE 7' BEHIND BACK OF CURB.
3. HYDRANTS AT INTERSECTIONS TO BE 10' FROM PROPERTY CORNER OR IN ACCORDANCE WITH NO. 4 BELOW
4. NO HYDRANTS SHALL BE LOCATED BETWEEN OR WITHIN 9' OF P.C. OR P.T. OF INTERSECTION RADII.
5. HYDRANT TO BE WATEROUS AFCWB-67-250 PACER (8.5' BURY WITH 16" BREAKOFF, 6" MECHANICAL JOINT INLET, AND 1-1/2" (FTP) PENTAGON 2-PIECE OPERATING NUT WITH WEATHER SHIELD - OPEN LEFT), EXTENSION KITS TO BE AFC WATEROUS.
6. ONE (1) 5'-0 E-Z GUIDE SAFETY MARKER WITH SPRING BASE HYDRANT FLAG PER FIRE HYDRANT IS REQUIRED.
7. "MEGALUG" THRUST RESTRAINT GLANDS ARE REQUIRED ON ALL HYDRANT LEAD JOINTS BACK TO THE WATER MAIN.
8. HYDRANTS SHALL BE MARKED WITH APPROVED "OUT OF SERVICE" TAGS WHEN INSTALLED.
9. EXTENSIONS MAY BE USED UP TO 42". GRADE-LOK FITTINGS ARE APPROVED AND PREFERRED.
10. WHEN INSTALLING A VALVE ROD EXTENSION, THE NONBREAKABLE COUPLING SLEEVES GO ON THE BOTTOM AND THE BREAKABLE SLEEVES GO ON THE TOP OF THE EXTENSION ROD. VERIFY "TOP AND BOTTOM" OF BREAKOFF SECTION.
11. THE AFCWB-67-250 PACER REQUIRES THE OIL RESERVOIR BE FILLED WITH A FOOD GRADE AFC WATEROUS OIL. ANY REASSEMBLY SHALL REQUIRE ALL NEW OIL, GASKETS, SEALS, O-RINGS AND STATIC PRESSURE TESTS.
12. ALL BOLTS ON VALVES AND HYDRANTS BELOW GRADE MUST BE CHECKED FOR TIGHTNESS AND BE 304 STAINLESS STEEL.
13. "PUMP AFTER USE" PLATES TO BE INSTALLED ON NOZZLE SECTION WHEN "DRAIN HOLES" IN VALVE SEAT ARE OMITTED IN GROUND WATER SITUATIONS.
14. BURY PLATES TO BE CHANGED IF ADJUSTMENT IS MADE ON HYDRANT. SEE SPECIFICATION FOR STANDARD MATERIALS.
15. ALL HYDRANTS SHALL BE CLEANED PROPERLY AND PAINTED AFC WATEROUS RED.
16. INSTALL GATE VALVE ADAPTOR MANUFACTURED BY ADAPTOR INC.

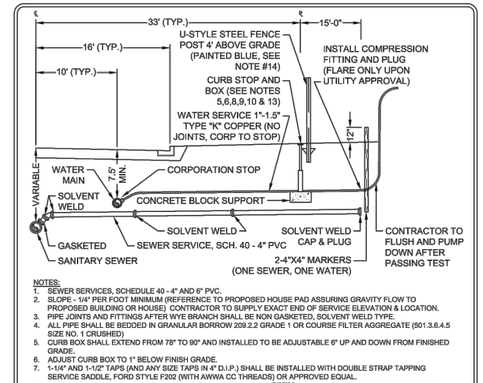


CITY OF HUDSON	HYDRANT W/ GATE VALVE & BOX INSTALLATION	LAST REVISION: March 2019 PLATE NO. WAT-2



NOTES:
1. INSULATION SHALL BE CENTERED ON THE PIPE.
2. RIGID, EXTRUDED POLYSTYRENE BOARD INSULATION, CLOSED CELL (DOW CHEMICAL) OR APPROVED EQUAL.
3. THERMAL RESISTANCE (R): 5.0.
4. MINIMUM THICKNESS: 2 INCHES.
5. BOARD SIZE: 48"x96".
6. COMPRESSIVE STRENGTH: MINIMUM 25 psi.
7. WATER ABSORPTION IN ACCORDANCE WITH ANSI/ASTM D2842: 0.1 PERCENT BY VOLUME, MAXIMUM.
8. EDGES: SQUARE.
9. ALL STORM SEWER CONFLICTS OR INTERSECTIONS SHALL BE INSULATED AS APPROVED BY FIELD ENGINEER TO EQUATE TO 7.5 FEET OF MINIMUM COVER (1 INCH CLOSED CELL INSULATION = 1 FOOT OF SOIL).
10. INSULATION LENGTH ALONG WATER LINE SHALL BE A MINIMUM OF 4 FEET GREATER THAN THE OUTSIDE DIAMETER OF THE STORM SEWER PIPE.

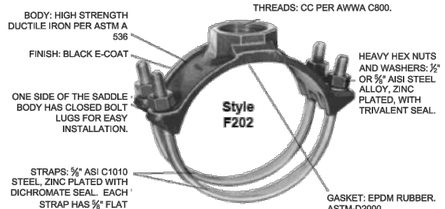
CITY OF HUDSON	INSULATION DETAIL	LAST REVISION: March 2019 PLATE NO. WAT-4



NOTES:
1. SEWER SERVICES, SCHEDULE 40 - 4" AND 6" PVC.
2. SLOPE - 1/4" PER FOOT MINIMUM (REFERENCE TO PROPOSED HOUSE PAD ASSURING GRAVITY FLOW TO PROPOSED BUILDING OR HOUSE) CONTRACTOR TO SUPPLY EXACT END OF SERVICE ELEVATION & LOCATION.
3. PIPE JOINTS AND FITTINGS AFTER WYE BRANCH SHALL BE NON GASKETED, SOLVENT WELD TYPE.
4. ALL PIPE SHALL BE BEDDED IN GRANULAR BORROW 209.2.2 GRADE 1 OR COURSE FILTER AGGREGATE (501.3.6.4.5 SIZE NO. 1 CRUSHED)
5. CURB BOX SHALL EXTEND FROM 78" TO 90" AND INSTALLED TO BE ADJUSTABLE 6" UP AND DOWN FROM FINISHED GRADE.
6. ADJUST CURB BOX TO 1" BELOW FINISH GRADE.
7. 1-1/4" AND 1-1/2" TAPS (AND ANY SIZE TAPS IN 4" D.I.P.) SHALL BE INSTALLED WITH DOUBLE STRAP TAPPING SERVICE SADDLE, FORD STYLE F202 (WITH AWWA CC THREADS) OR APPROVED EQUAL.
8. ALL CURB STOPS AND CORPORATION STOPS SHALL BE IN THE **OPEN** POSITION DURING THE PRESSURE TEST.
9. CORPORATION STOP (AWWA CC THREADS): MUELLER 300 BALL B-25008 OR APPROVED EQUAL.
   CURB STOP: MUELLER 300 BALL B25154, B25155 OR APPROVED EQUAL.
   CURB BOX (MINNEAPOLIS PATTERN): 1" SERVICE - MUELLER H10300 (1-1/4" UPPER SECTION) OR APPROVED EQUAL.
   1-1/2" SERVICE: MUELLER H10302 (1-1/2" UPPER SECTION) OR APPROVED EQUAL.
10. CURB BOXES IN BITUMINOUS OR CONCRETE SHALL BE INSTALLED UTILIZING VALVCO CASTING SC40(WITH WATER LID), OR APPROVED EQUAL.
11. SERVICE FITTING COUPLINGS UTILIZED FROM CURB STOP TO BUILDING SHALL BE MUELLER H-15400, H-15430, OR APPROVED EQUAL.
12. WATER SERVICE SHALL BE TAPPED WITH WATER MAIN UNDER PRESSURE, AND LOCATED IN UPPER QUADRANT OF MAIN (2:00 O'CLOCK OR 10:00 O'CLOCK), OR LOCATION APPROVED BY THE CITY. THREADS SHALL BE DOUBLE WRAPPED WITH TEFLON TAPE PRIOR TO INSTALLATION. TAPPING BIT SHALL BE INSPECTED AND APPROVED BY THE CITY.
13. CURB BOX SHALL BE LOCATED AT PROPERTY LINE. FOR PRIVATE STREET/DRIVES, CURB BOX LOCATION SHALL BE A MAXIMUM OF 15' BEHIND CURB OR EDGE OF PAVEMENT, AND NO CLOSER THAN 10' FROM EDGE OF BUILDING. NO CURB BOX SHALL BE LOCATED IN CURB AND GUTTER OR CLOSER THAN 12" TO LIP OF GUTTER.
14. CURB BOXES LOCATED IN UNIMPROVED RIGHT-OF-WAYS AND EASEMENTS SHALL BE MARKED WITH U-STYLE STEEL POST 4' ABOVE GRADE WITH BLUE METAL SIGN LABELED "CS" IN WHITE LETTERS PER DETAIL WAT-11.

CITY OF HUDSON	SEWER AND WATER SERVICE CONNECTIONS	LAST REVISION: March 2019 PLATE NO. SER-5

PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	DETAILS	SHEET 18 E



NOTES:

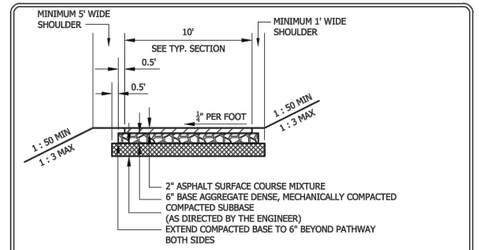
1. WATER SERVICE TAPPING SADDLE FOR DIP SHALL BE A DOUBLE STRAP FORD F202 OR APPROVED EQUAL. CITY ENGINEER SHALL PRE-APPROVE ALL TAPPING SADDLES PRIOR TO INSTALLATION.
2. THE CITY MUST APPROVE ALL SADDLE INSTALLATIONS. SADDLES MAY ONLY BE USED ON 1" TO 1½" SERVICES. ANY LARGER SERVICES MUST BE CUT-INS OR WET TAPPED TO WATERMAIN.
3. DOUBLE STRAP TAPPING SADDLES MUST BE USED ON SERVICE TAPS LARGER THAN 1", UNLESS APPROVED BY THE CITY.
4. DOUBLE STRAP TAPPING SADDLES SHALL BE USED ON ALL SERVICE TAPS INTO WATERMAIN 4 INCHES IN DIAMETER OR SMALLER, UNLESS APPROVED BY THE CITY.

CITY OF HUDSON

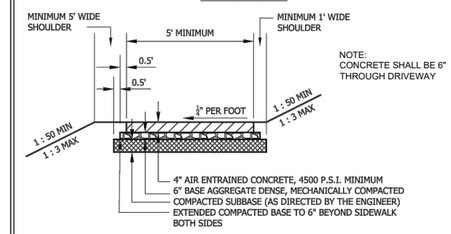
DOUBLE STRAP TAPPING SADDLE FOR WATER SERVICE (DIP WATER MAIN)

LAST REVISION: March 2019

PLATE NO. SER-9



ASPHALT TRAIL



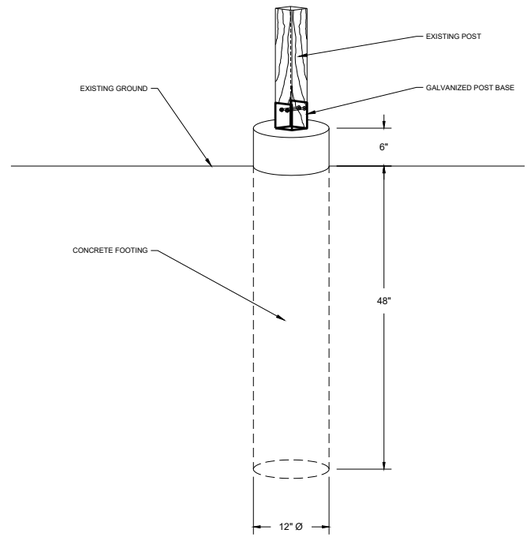
CONCRETE SIDEWALK

CITY OF HUDSON

TYPICAL SECTION FOR ASPHALT TRAIL AND CONCRETE SIDEWALK

LAST REVISION: March 2019

PLATE NO. STR-15



SEH

SALVAGE AND REINSTALL SIGN

NTS

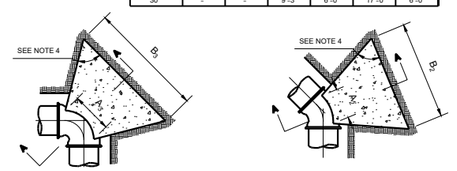
Revised: JUNE 2019

SEH Plate No. XXX-XX

NOTES:

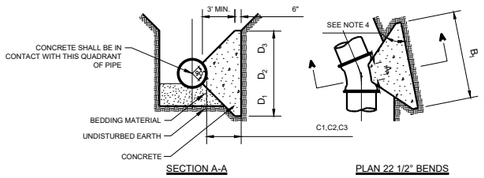
1. SHAPE OF BACK BUTTRESS MAY VARY AS LONG AS POURED AGAINST FIRM UNDISTURBED EARTH.
2. DIMENSION C1,C2,C3 SHOULD BE LARGE ENOUGH TO MAKE ANGLE 0 EQUAL TO OR LARGER THAN 45°.
3. DIMENSION A1,A2,A3 SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH MJ BOLTS.
4. 45° MINIMUM.
5. PLACE POLYETHYLENE BETWEEN CONCRETE AND PIPE.

PIPE SIZE	BUTTRESS DIMENSIONS					
	22 1/2° BEND		45° BEND		90° BEND	
	B_1	D_1	B_2	D_2	B_3	D_3
6"	1'-5"	1'-5"	1'-5"	1'-5"	2'-1"	1'-6"
8"	1'-5"	1'-5"	2'-1"	1'-6"	2'-8"	2'-0"
12"	1'-10"	1'-10"	3'-4"	2'-0"	4'-9"	2'-6"
16"	3'-0"	2'-0"	3'-10"	3'-0"	6'-2"	3'-6"
20"	3'-6"	2'-8"	5'-6"	3'-4"	8'-4"	4'-0"
24"	4'-4"	3'-0"	6'-10"	3'-10"	9'-8"	5'-0"
30"	-	-	9'-3"	6'-0"	17'-0"	6'-0"



PLAN 90° BENDS

PLAN 45° BENDS



SECTION A-A

PLAN 22 1/2° BENDS

SEH

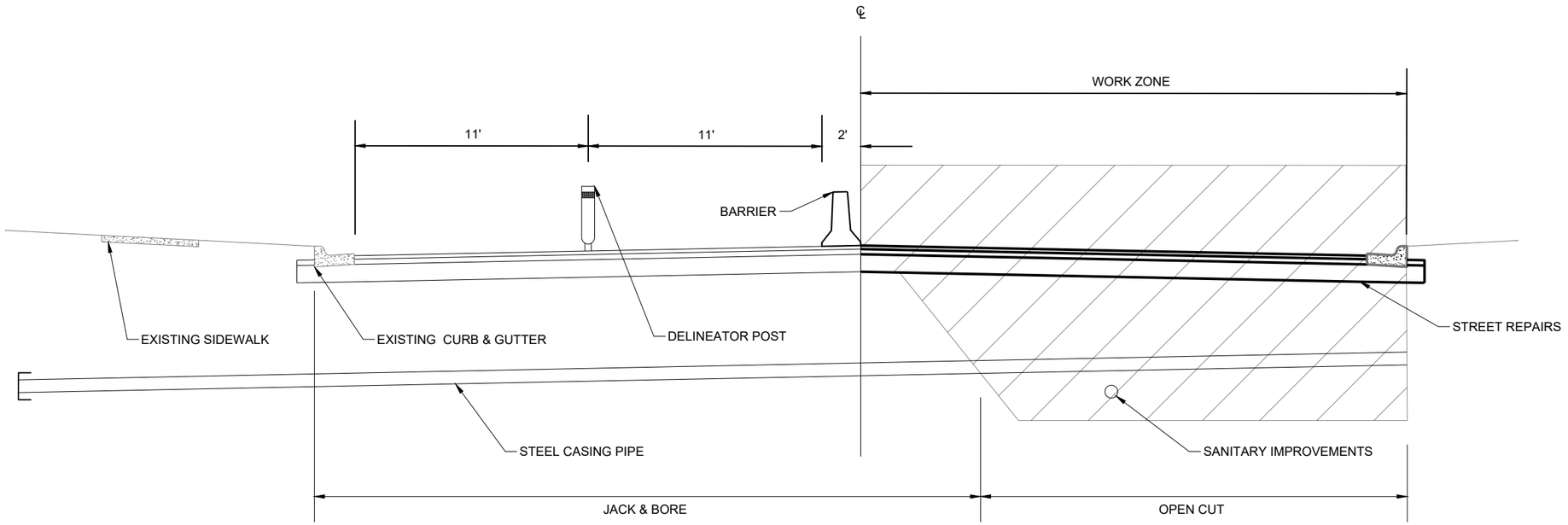
CONCRETE THRUST BLOCKING

NTS

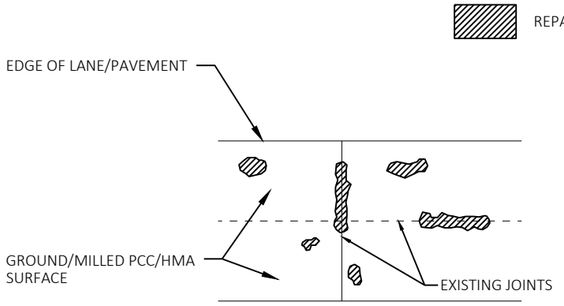
Revised: Feb. 2011

SEH Plate No. WAT-13

2



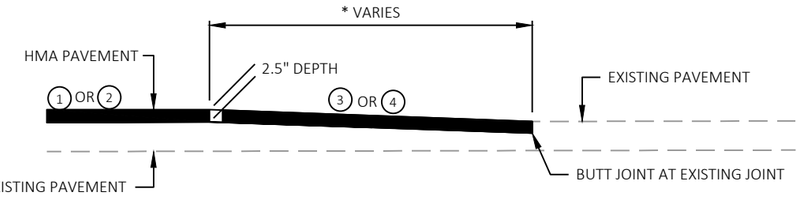
TRAFFIC CONTROL
HIGHWAY 35 - EAST SIDE



NOTES
-AFTER THE EXISTING PAVEMENT IS MILLED/GROUND TO DEPTH SPECIFIED ON TYPICAL, REMOVE REMAINDER OF CRACKFILL, PATCHING AND UNSOUND PCC/HMA TO A MAXIMUM DEPTH OF 3" BELOW THE PAVEMENT SURFACE.

-REPAVE AREAS WITH ASPHALTIC SURFACE PATCHING PAID SEPARATELY FROM THIS ITEM.

PREPARE FOUNDATION FOR ASPHALTIC PAVING



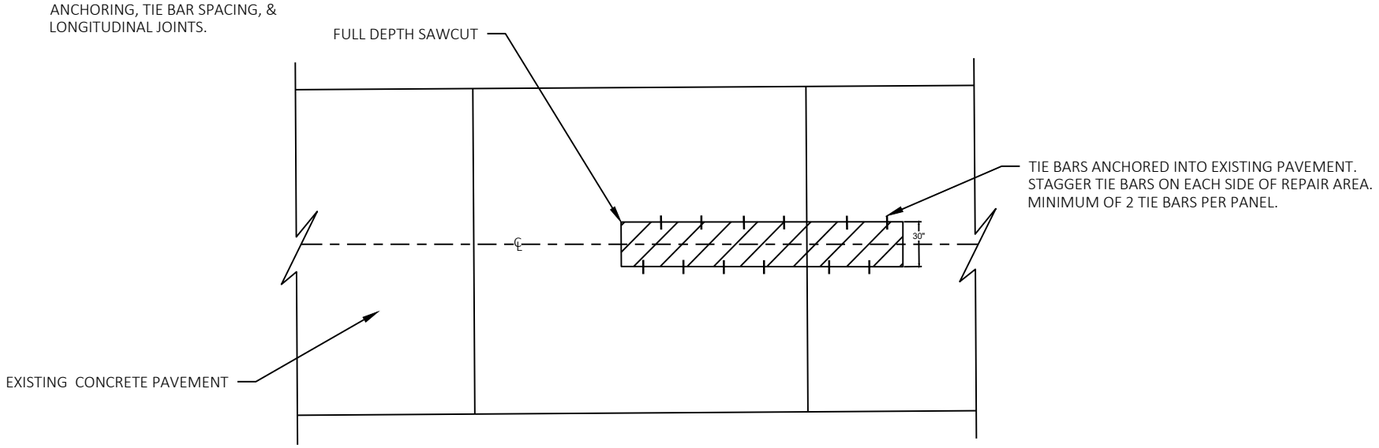
1. REMOVING ASPHALTIC SURFACE MILLING
2. REMOVING CONCRETE SURFACE PARTIAL DEPTH
3. REMOVING ASPHALTIC SURFACE BUTT JOINTS
4. REMOVING PAVEMENT BUTT JOINTS

* 50' MAINLINE
10' SIDE ROADS

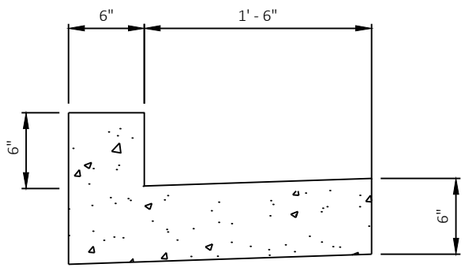
BUTT JOINTS

NOTES:

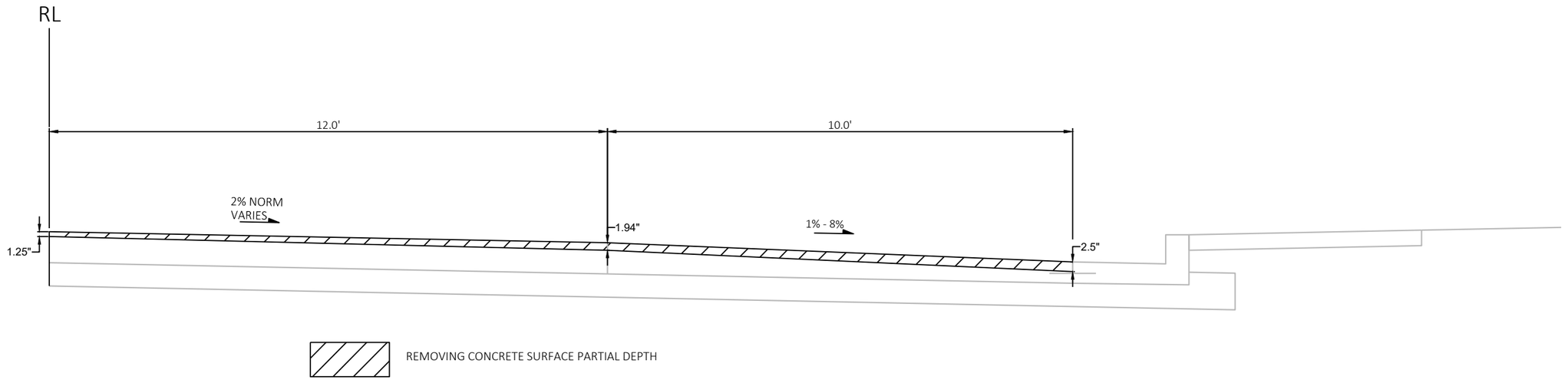
- REFER TO SDD "CONCRETE PAVEMENT REPAIR AND REPLACEMENT" FOR FURTHER REQUIREMENTS ON CONCRETE REPAIR, TIE BAR ANCHORING, TIE BAR SPACING, & LONGITUDINAL JOINTS.



30" CONCRETE CENTERLINE REPAIR



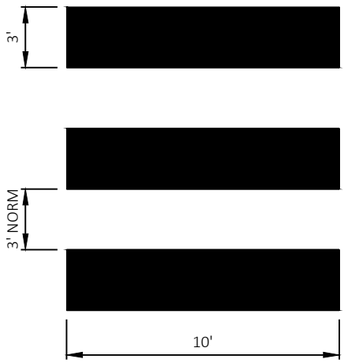
CONCRETE CURB & GUTTER 24-INCH TYPE D



CONCRETE GRINDING DEPTH ACROSS TRAVEL AND PARKING LANES

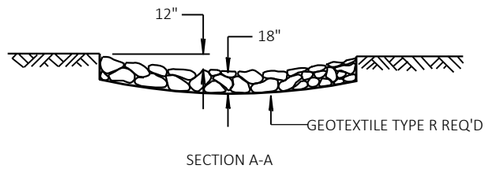
NOTES:

- LONGITUDINAL MARKINGS ARE 3' WIDE & 10' LONG (6' CROSSWALK + 2' EITHER SIDE).
- GAP BETWEEN LONGITUDINAL MARKINGS IS 3' OR AS DIRECTED BY ENGINEER.
- ALIGN CROSSWALKS WITH CENTER OF CURB RAMPS.
- CROSSWALK MARKINGS SHALL BE PLACED IN A MANNER THAT MINIMIZES CONTACT WITH VEHICLE TIRES.

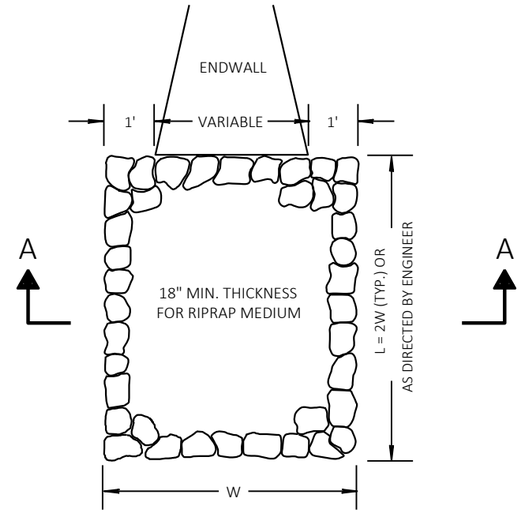


CROSSWALK HATCHING

STA 218+00 TO STA 22+20.80
COULEE RD TO VINE ST



SECTION A-A

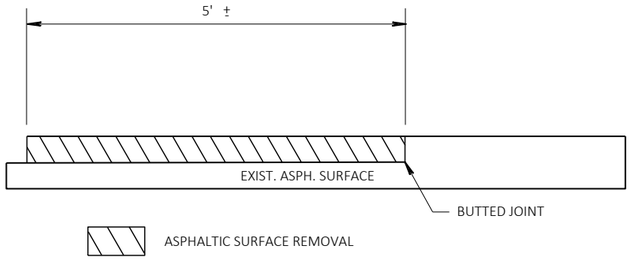


RIPRAP MEDIUM TREATMENT AT CULVERTS

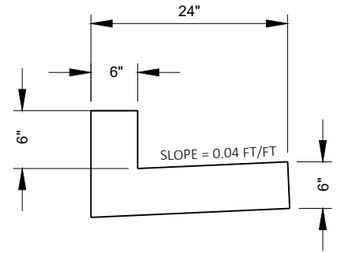
PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	CONSTRUCTION DETAILS	SHEET 22	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\021001_CD.DWG
LAYOUT NAME - 021002_cd
PLOT DATE : 11/5/2020 6:17 PM PLOT BY : BRAD BECKER PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

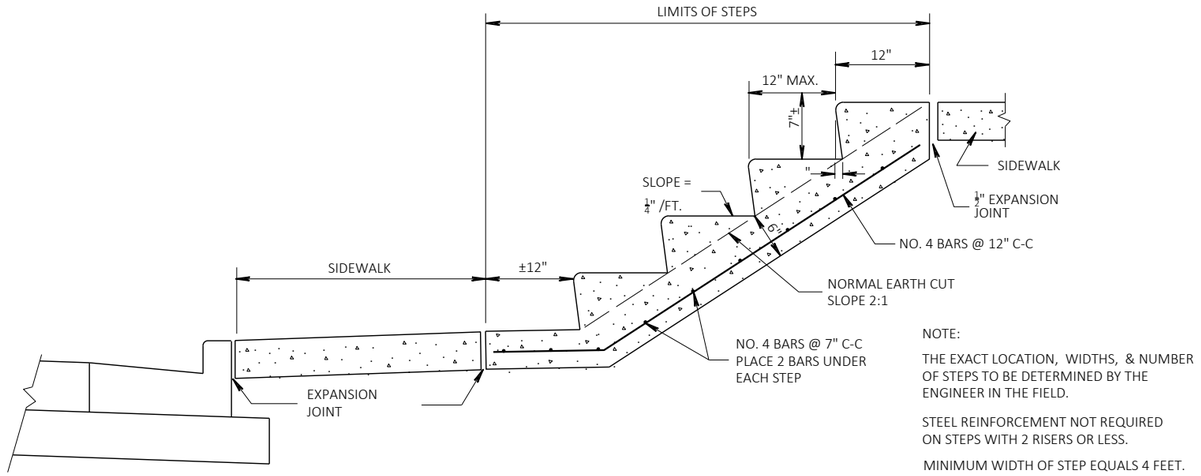


BUTTED JOINT DETAIL



SEE WISDOT SDD 08D01 FOR TIE BAR PLACEMENT AND SPACING

CONCRETE CURB AND GUTTER 24-INCH TYPE A DETAIL



NOTE:

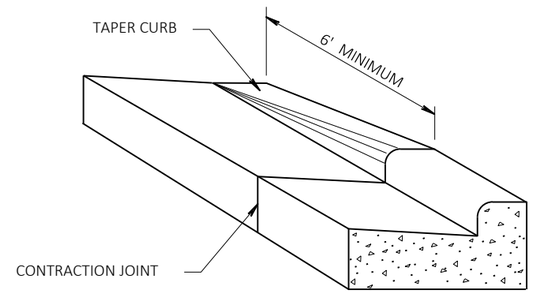
THE EXACT LOCATION, WIDTHS, & NUMBER OF STEPS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

STEEL REINFORCEMENT NOT REQUIRED ON STEPS WITH 2 RISERS OR LESS.

MINIMUM WIDTH OF STEP EQUALS 4 FEET.

CONCRETE STEPS DETAIL

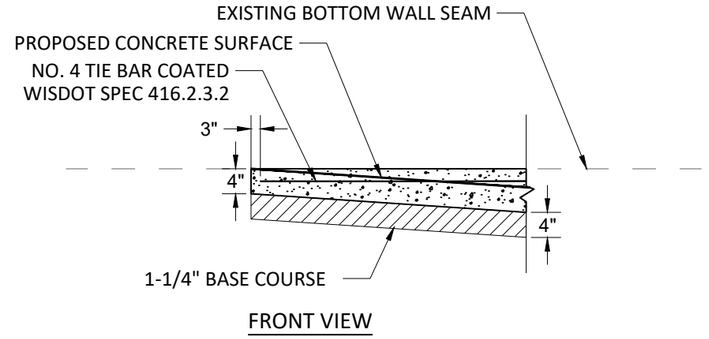
STA 79+69, RT
STA 105+31, RT



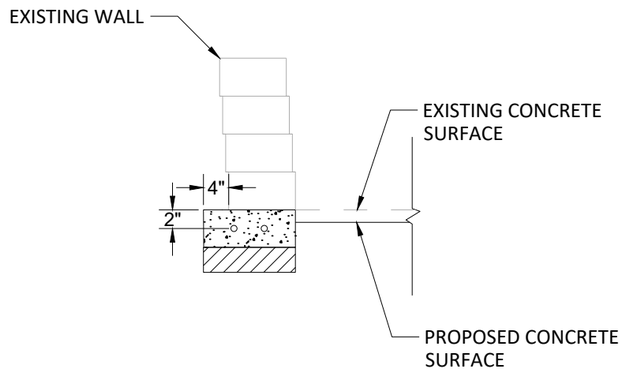
DETAIL OF CURB & GUTTER TERMINI

PROJECT NO: 8080-07-70/05-70/02-73	HWY: STH 35	COUNTY: ST CROIX	CONSTRUCTION DETAIL	SHEET 23	E

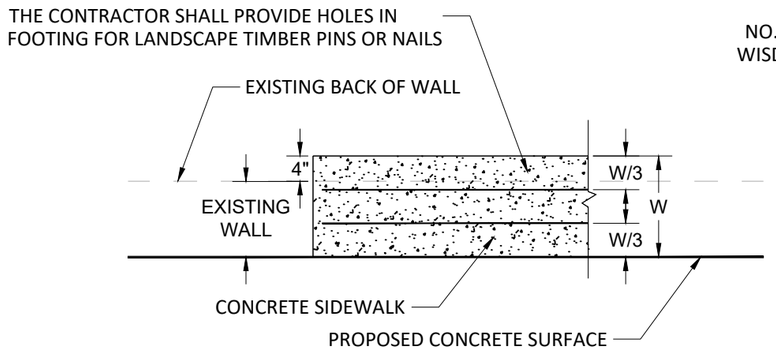
2



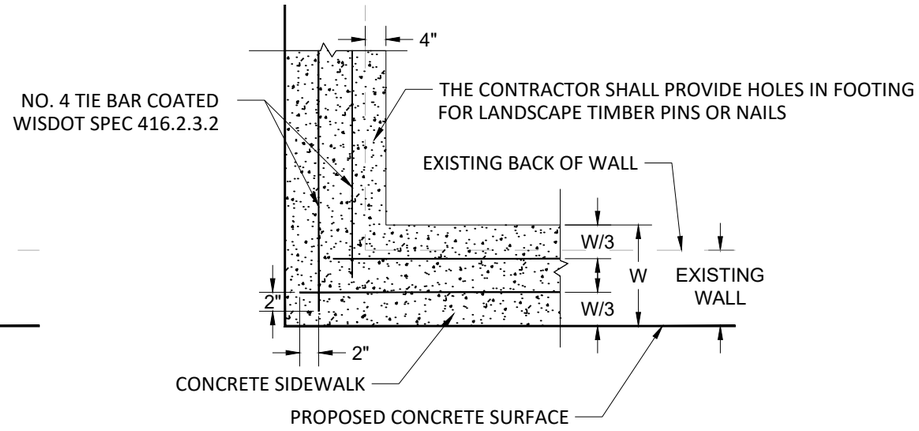
FRONT VIEW



SIDE VIEW



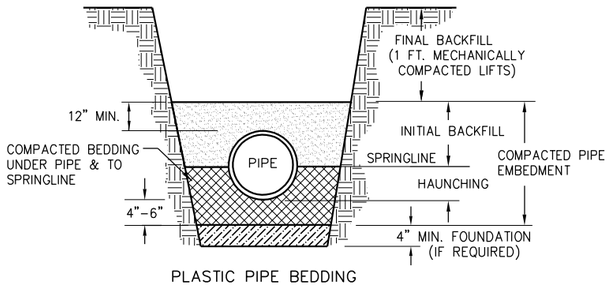
PLAN VIEW - STRAIGHT



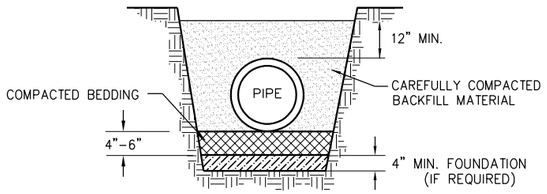
PLAN VIEW - CORNER

RETAINING WALL FOOTING DETAIL

STA 38+65 - 38+72, RT	STA 61+89 - 62+03, RT
STA 38+87 - 38+96, RT	STA 77+95 - 78+08, RT
STA 46+93 - 46+99, RT	STA 86+22, LT

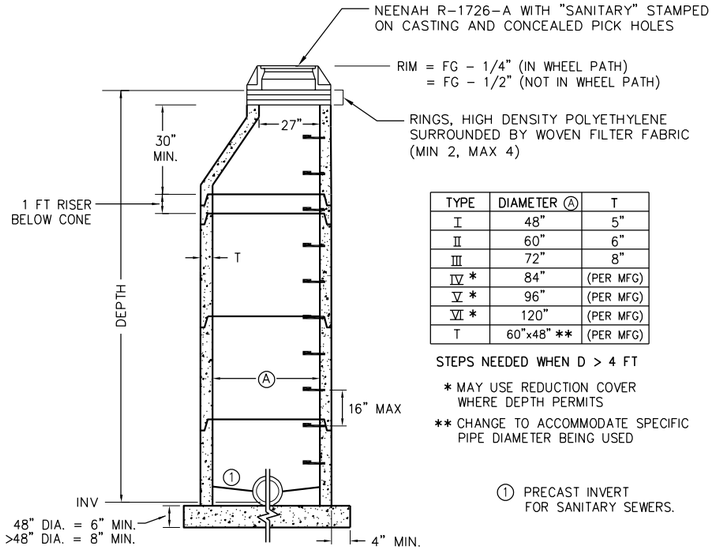


PLASTIC PIPE BEDDING



DIP & RCP BEDDING

PIPE BEDDING DETAILS
NO SCALE



TYPE	DIAMETER Ⓐ	T
I	48"	5"
II	60"	6"
III	72"	8"
IV *	84"	(PER MFG)
V *	96"	(PER MFG)
VI *	120"	(PER MFG)
T	60"x48" **	(PER MFG)

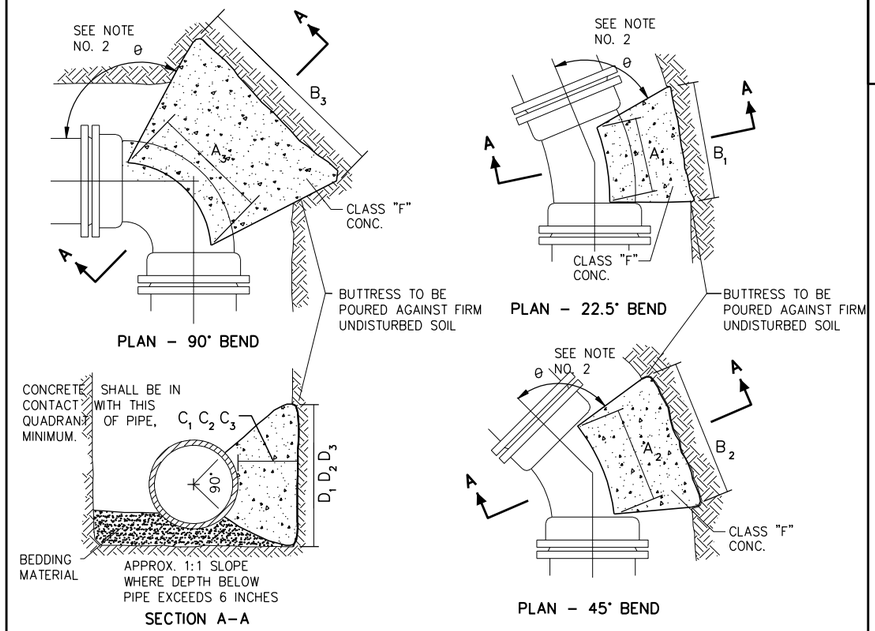
STEPS NEEDED WHEN D > 4 FT

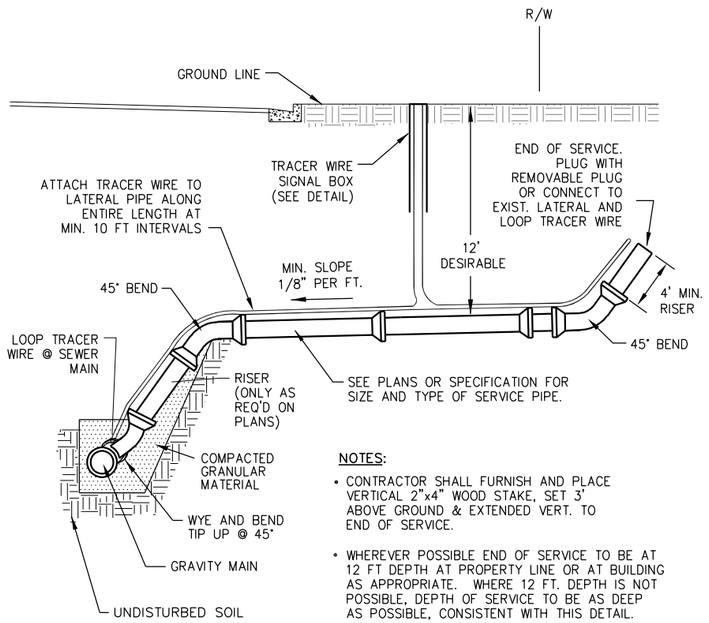
* MAY USE REDUCTION COVER WHERE DEPTH PERMITS

** CHANGE TO ACCOMMODATE SPECIFIC PIPE DIAMETER BEING USED

① PRECAST INVERT FOR SANITARY SEWERS.

SANITARY MANHOLE
NO SCALE

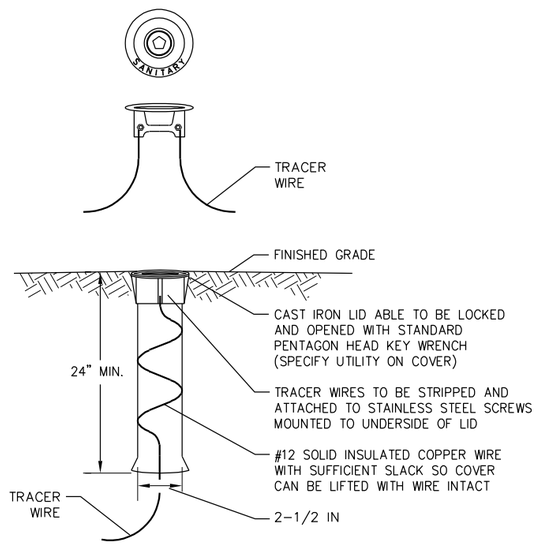




NOTES:

- CONTRACTOR SHALL FURNISH AND PLACE VERTICAL 2"x4" WOOD STAKE, SET 3' ABOVE GROUND & EXTENDED VERT. TO END OF SERVICE.
- WHEREVER POSSIBLE END OF SERVICE TO BE AT 12 FT DEPTH AT PROPERTY LINE OR AT BUILDING AS APPROPRIATE. WHERE 12 FT. DEPTH IS NOT POSSIBLE, DEPTH OF SERVICE TO BE AS DEEP AS POSSIBLE, CONSISTENT WITH THIS DETAIL.

SANITARY SEWER LATERAL
NO SCALE



TRACER WIRE SIGNAL BOX
NO SCALE

BUTTRESS DIMENSIONS

PIPE SIZE	22.5° BENDS		45° BENDS		90° BENDS	
	B_1	D_1	B_2	D_2	B_3	D_3
6"	1'-0"	1'-0"	1'-0"	1'-0"	1'-4"	1'-2"
8"	1'-0"	1'-0"	1'-4"	1'-2"	1'-10"	1'-6"
12"	1'-4"	1'-4"	1'-10"	1'-10"	2'-8"	2'-3"
16"	1'-10"	1'-8"	2'-6"	2'-4"	3'-10"	2'-10"
20"	2'-4"	2'-0"	3'-3"	2'-10"	5'-0"	3'-4"
24"	2'-10"	2'-4"	4'-0"	3'-3"	6'-4"	3'-10"
30"	3'-6"	3'-0"	5'-4"	3'-10"	8'-0"	4'-8"

DETAIL FROM:
"STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, FILE NO. 44"

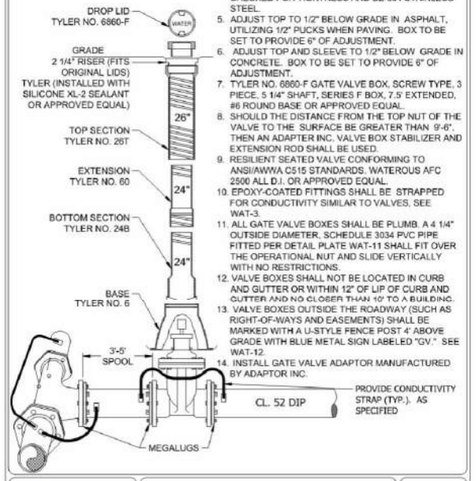
NOTES:

1. A WATER PRESSURE OF 150 PSI AND AN EARTH RESISTANCE OF 2 TONS/SQ FT
2. DIMENSIONS C_1 C_2 C_3 SHOULD BE LARGE ENOUGH TO MAKE ANGLE EQUAL TO OR LARGER THAN 45°.
3. DIMENSIONS A_1 A_2 A_3 SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH MJ BOLTS.
4. SHAPE OF BACK OF BUTTRESS MAY VARY AS LONG AS POUR IS AGAINST FIRM, UNDISTURBED EARTH.
5. ALL IRON PIPE AND FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.

BUTTRESS FOR BENDS

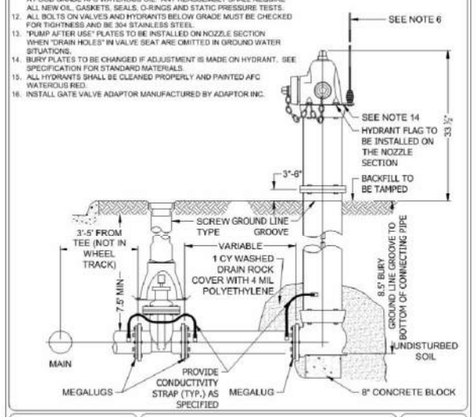
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CONSTRUCTION DETAILS: SANITARY & WATER	SHEET 25

NOTES:
1. NO THREADED INSERT SECTIONS ARE ALLOWED. TYLER 2 1/4" TO 4" RISERS WITH SILICONE XL-2 SEALANT OR APPROVED EQUAL ARE ACCEPTABLE.
2. 7.5' MINIMUM COVER REQUIRED OVER TOP OF WATER MAIN.
3. "MEGALUG" THRUST RESTRAINT GLAND TO BE USED ON ALL MECHANICAL JOINTS.
4. ALL BOLTS ON VALVES BELOW GRADE MUST BE CHECKED FOR TIGHTNESS AND BE 304 STAINLESS STEEL.
5. ADJUST TOP TO 1/2" BELOW GRADE IN ASPHALT, UTILIZING 1/2" PUCKS WHEN PAVING. BOX TO BE SET TO PROVIDE 6" OF ADJUSTMENT.
6. ADJUST TOP AND SLEEVE TO 1/2" BELOW GRADE IN CONCRETE. BOX TO BE SET TO PROVIDE 6" OF ADJUSTMENT.
7. TYLER NO. 6860-F GATE VALVE BOX, SCREW TYPE, 3 PIECE, 5 1/4" SHAFT, SERIES F BOX, 7.5' EXTENDED, #6 ROUND BASE OR APPROVED EQUAL.
8. SHOULD THE DISTANCE FROM THE TOP NUT OF THE VALVE TO THE SURFACE BE GREATER THAN 9'-6", THEN AN ADAPTER INC. VALVE BOX STABILIZER AND EXTENSION ROD SHALL BE USED.
9. RESILIENT SEATED VALVE CONFORMING TO ANSI/AWWA C515 STANDARDS. WATEROUS AFC 2500 ALL D.I. OR APPROVED EQUAL.
10. EPOXY-COATED FITTINGS SHALL BE STRAPPED FOR CONDUCTIVITY SIMILAR TO VALVES. SEE WAT-3.
11. ALL GATE VALVE BOXES SHALL BE PLUMB. A 4 1/4" OUTSIDE DIAMETER, SCHEDULE 3034 PVC PIPE FITTED PER DETAIL PLATE WAT-11 SHALL FIT OVER THE OPERATIONAL NUT AND SLIDE VERTICALLY WITH NO RESTRICTIONS.
12. VALVE BOXES SHALL NOT BE LOCATED IN CURB AND GUTTER OR WITHIN 12" OF LIP OF CURB AND GUTTER AND NO CLOSER THAN 10' TO A BUILDING.
13. VALVE BOXES OUTSIDE THE ROADWAY (SUCH AS RIGHT-OF-WAYS AND EASEMENTS) SHALL BE MARKED WITH A U-STYLE FENCE POST 4' ABOVE GRADE WITH BLUE METAL SIGN LABELED "GV." SEE WAT-12.
14. INSTALL GATE VALVE ADAPTOR MANUFACTURED BY ADAPTOR INC.

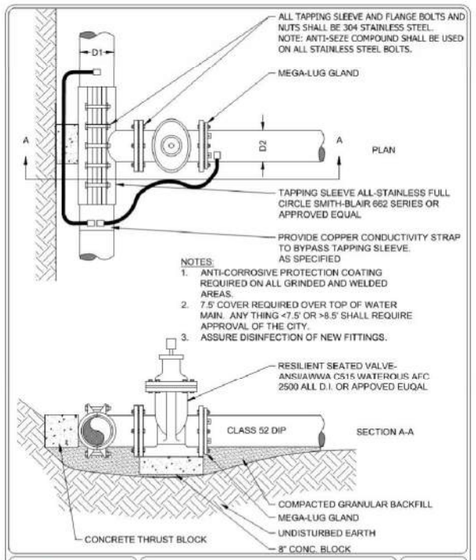


CITY OF HUDSON | GATE VALVE AND BOX INSTALLATION | LAST REVISION: March 2019 | PLATE NO. WAT-1

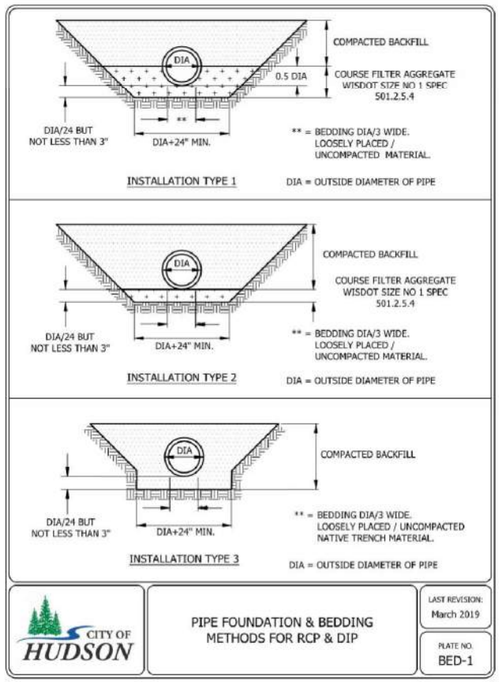
NOTES:
1. ALL HYDRANT LEADS SHALL BE VALVED.
2. HYDRANTS TO BE 7' BEHIND BACK OF CURB.
3. HYDRANTS AT INTERSECTIONS TO BE 10' FROM PROPERTY CORNER OR IN ACCORDANCE WITH NO. 4 BELOW
4. NO HYDRANTS SHALL BE LOCATED BETWEEN OR WITHIN 5' OF P.C. OR P.T. OF INTERSECTION RADII.
5. HYDRANT TO BE WATEROUS AFCWB-67-250 PACER (8.5' BURY WITH 16" BREAKOFF, 6" MECHANICAL JOINT INLET, AND 1-1/2" (ETP) PENTAGON 2-PIECE OPERATING NUT WITH WEATHER SHIELD - OPEN LEFT). EXTENSION KITS TO BE AFC WATEROUS.
6. ONE (1) 5' E-Z GUIDE SAFETY MARKER WITH SPRING BASE HYDRANT FLAG PER FIRE HYDRANT IS REQUIRED.
7. "MEGALUG" THRUST RESTRAINT GLANDS ARE REQUIRED ON ALL HYDRANT LEAD JOINTS BACK TO THE WATER MAIN.
8. HYDRANTS SHALL BE MARKED WITH APPROVED "OUT OF SERVICE" TAGS WHEN INSTALLED.
9. EXTENSIONS MAY BE USED UP TO 42". GRADE-LOK FITTINGS ARE APPROVED AND PREFERRED.
10. WHEN INSTALLING A VALVE ROD EXTENSION, THE NONBREAKABLE COUPLING SLEEVES GO ON THE BOTTOM AND THE BREAKABLE SLEEVES GO ON THE TOP OF THE EXTENSION ROD. VERIFY "TOP AND BOTTOM" OF BREAKOFF SECTION.
11. THE AFCWB-67-250 PACER REQUIRES THE OIL RESERVOIR BE FILLED WITH A FOOD GRADE AFC WATEROUS OIL. ANY REASSEMBLY SHALL REQUIRE ALL NEW OIL, GASKETS, SEALS, O-RINGS AND STATIC PRESSURE TESTS.
12. ALL BOLTS ON VALVES AND HYDRANTS BELOW GRADE MUST BE CHECKED FOR TIGHTNESS AND BE 304 STAINLESS STEEL.
13. "PUMP AFTER USE" PLATES TO BE INSTALLED ON NOZZLE SECTION WHEN "DRAIN HOLES" IN VALVE SEAT ARE OMITTED IN GROUND WATER SITUATIONS.
14. BURY PLATES TO BE CHANGED IF ADJUSTMENT IS MADE ON HYDRANT. SEE SPECIFICATION FOR STANDARD MATERIALS.
15. ALL HYDRANTS SHALL BE CLEANED PROPERLY AND PAINTED AFC WATEROUS RED.
16. INSTALL GATE VALVE ADAPTOR MANUFACTURED BY ADAPTOR INC.



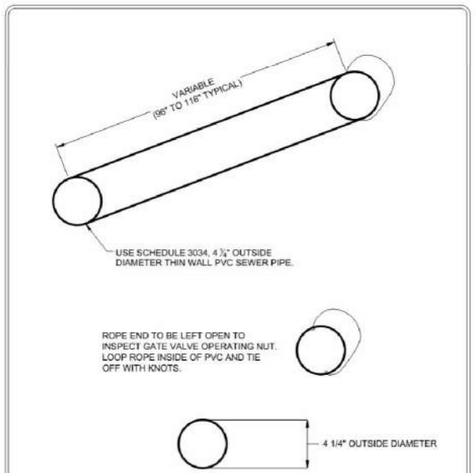
CITY OF HUDSON | HYDRANT W/ GATE VALVE & BOX INSTALLATION | LAST REVISION: March 2019 | PLATE NO. WAT-2



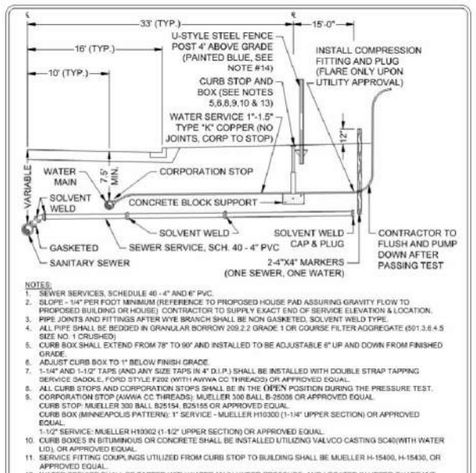
CITY OF HUDSON | WATER MAIN WET TAP | LAST REVISION: March 2019 | PLATE NO. WAT-3



CITY OF HUDSON | PIPE FOUNDATION & BEDDING METHODS FOR RCP & DIP | LAST REVISION: March 2019 | PLATE NO. BED-1

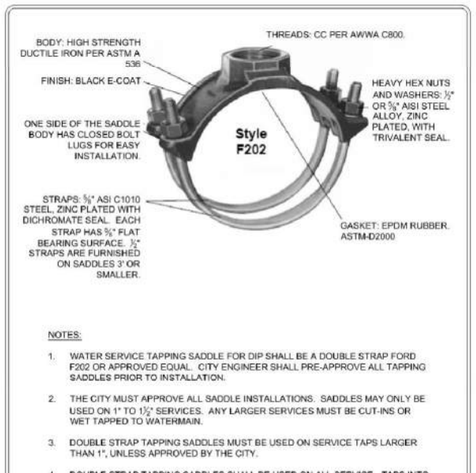


CITY OF HUDSON | GATE VALVE ALIGNMENT TOOL | LAST REVISION: March 2019 | PLATE NO. WAT-10



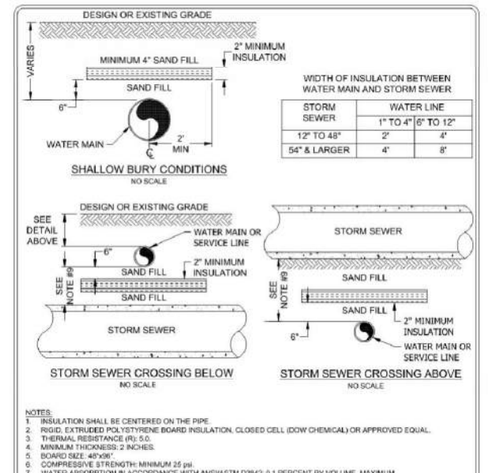
NOTES:
1. SEWER SERVICES, SCHEDULE 40 - 4" AND 6" PVC.
2. SLOPE - 1/4" PER FOOT MINIMUM (REFERENCE TO PROPOSED HOUSE PAD ASSURING GRAVITY FLOW TO PROPOSED BUILDING OR HOUSE) CONTRACTOR TO SUPPLY EXACT END OF SERVICE ELEVATION & LOCATION.
3. PIPE JOINTS AND FITTINGS AFTER WYE BRANCH SHALL BE NON GASKETED, SOLVENT WELD TYPE.
4. ALL PIPE SHALL BE BEDDED IN GRANULAR BORROW 209.2.2 GRADE 1 OR COURSE FILTER AGGREGATE (501.3.6.4.5 SIZE NO. 1 CRUSHED)
5. CURB BOX SHALL EXTEND FROM 78" TO 90" AND INSTALLED TO BE ADJUSTABLE 6" UP AND DOWN FROM FINISHED GRADE.
6. ADJUST CURB BOX TO 1" BELOW FINISH GRADE.
7. 1-1/4" AND 1-1/2" TAPS (AND ANY SIZE TAPS IN 4" D.I.P.) SHALL BE INSTALLED WITH DOUBLE STRAP TAPPING SERVICE SADDLE, FORD STYLE F202 (WITH AWWA CC THREADS) OR APPROVED EQUAL.
8. ALL CURB STOPS AND CORPORATION STOPS SHALL BE IN THE OPEN POSITION DURING THE PRESSURE TEST.
5. CORPORATION STOP (AWWA CC THREADS): MUELLER 300 BALL B-28008 OR APPROVED EQUAL.
CURB STOP: MUELLER 300 BALL B25154, B25155 OR APPROVED EQUAL.
CURB BOX (MINNEAPOLIS PATTERN): 1" SERVICE – MUELLER H10300 (1-1/4" UPPER SECTION) OR APPROVED EQUAL.
1-1/2" SERVICE: MUELLER H10302 (1-1/2" UPPER SECTION) OR APPROVED EQUAL.
10. CURB BOXES IN BITUMINOUS OR CONCRETE SHALL BE INSTALLED UTILIZING VALVCO CASTING SC40(WITH WATER LID), OR APPROVED EQUAL.
11. SERVICE FITTING COUPLINGS UTILIZED FROM CURB STOP TO BUILDING SHALL BE MUELLER H-15400, H-15430, OR APPROVED EQUAL.
12. WATER SERVICE SHALL BE TAPPED WITH WATER MAIN UNDER PRESSURE, AND LOCATED IN UPPER QUADRANT OF MAIN (2:00 O'CLOCK OR 10:00 O'CLOCK). OR LOCATION APPROVED BY THE CITY. THREADS SHALL BE DOUBLE WRAPPED WITH TEFLON TAPE PRIOR TO INSTALLATION. TAPPING BIT SHALL BE INSPECTED AND APPROVED BY THE CITY.
13. CURB BOX SHALL BE LOCATED AT PROPERTY LINE. FOR PRIVATE STREET/DRIVES, CURB BOX LOCATION SHALL BE A MAXIMUM OF 15' BEHIND CURB OR EDGE OF PAVEMENT, AND NO CLOSER THAN 10' FROM EDGE OF BUILDING. NO CURB BOX SHALL BE LOCATED IN CURB AND GUTTER OR CLOSER THAN 12" TO LIP OF GUTTER.
14. CURB BOXES LOCATED IN UNIMPROVED RIGHT-OF-WAYS AND EASEMENTS SHALL BE MARKED WITH U-STYLE STEEL POST 4' ABOVE GRADE WITH BLUE METAL SIGN LABELED "CS" IN WHITE LETTERS PER DETAIL WAT-11.

CITY OF HUDSON | SEWER AND WATER SERVICE CONNECTIONS | LAST REVISION: March 2019 | PLATE NO. SER-5



NOTES:
1. WATER SERVICE TAPPING SADDLE FOR DIP SHALL BE A DOUBLE STRAP FORD F202 OR APPROVED EQUAL. CITY ENGINEER SHALL PRE-APPROVE ALL TAPPING SADDLES PRIOR TO INSTALLATION.
2. THE CITY MUST APPROVE ALL SADDLE INSTALLATIONS. SADDLES MAY ONLY BE USED ON 1" TO 1½" SERVICES. ANY LARGER SERVICES MUST BE CUT-INS OR WET TAPPED TO WATERMAIN.
3. DOUBLE STRAP TAPPING SADDLES MUST BE USED ON SERVICE TAPS LARGER THAN 1", UNLESS APPROVED BY THE CITY.
4. DOUBLE STRAP TAPPING SADDLES SHALL BE USED ON ALL SERVICE TAPS INTO WATERMAIN 4 INCHES IN DIAMETER OR SMALLER, UNLESS APPROVED BY THE CITY.

CITY OF HUDSON | DOUBLE STRAP TAPPING SADDLE FOR WATER SERVICE (DIP WATER MAIN) | LAST REVISION: March 2019 | PLATE NO. SER-9



NOTES:
1. INSULATION SHALL BE CENTERED ON THE PIPE.
2. RIGID, EXTRUDED POLYSTYRENE BOARD INSULATION, CLOSED CELL (DOW CHEMICAL) OR APPROVED EQUAL.
3. THERMAL RESISTANCE (R): 5.0.
4. MINIMUM THICKNESS: 2 INCHES.
5. BOARD SIZE: 48"x96".
6. COMPRESSIVE STRENGTH: MINIMUM 25 psi.
7. WATER ABSORPTION IN ACCORDANCE WITH ANSI/ASTM D2842: 0.1 PERCENT BY VOLUME, MAXIMUM.
8. EDGES: SQUARE.
9. ALL STORM SEWER CONFLICTS OR INTERSECTIONS SHALL BE INSULATED AS APPROVED BY FIELD ENGINEER TO EQUATE TO 7.5 FEET OF MINIMUM COVER (1 INCH CLOSED CELL INSULATION = 1 FOOT OF SOIL).
10. INSULATION LENGTH ALONG WATER LINE SHALL BE A MINIMUM OF 4 FEET GREATER THAN THE OUTSIDE DIAMETER OF THE STORM SEWER PIPE.

CITY OF HUDSON | INSULATION DETAIL | LAST REVISION: March 2019 | PLATE NO. WAT-4

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CONSTRUCTION DETAILS: SANITARY & WATER	SHEET 26

LEGEND

- ABANDON EXISTING SANITARY SEWER
- REMOVE AND REPLACE FENCE
- REMOVE EXISTING ASPHALT
- REMOVE EXISTING CONCRETE
- REMOVE EXISTING CURB & GUTTER
- CLEAR AND GRUB EXISTING TREE

STH 35

206+00 207+00 208+00 209+00 210+00 211+00

REMOVE CONCRETE PAVEMENT AT EXISTING JOINT

REMOVE ASPHALT TRAIL (TYP)

REMOVE AND REPLACE FENCE

REMOVE CONCRETE CURB & GUTTER

ABANDON EXISTING SANITARY SEWER IN PLACE (TYP)

REMOVE ASPHALT PAVEMENT AND CONCRETE CURB & GUTTER

CLEAR AND GRUB EXISTING TREE (TYP)

REMOVE CONCRETE CURB & GUTTER

SAW CUT (TYP)

DO NOT DISTURB EXISTING GATE

REMOVE ASPHALT PAVEMENT

ABANDON EXISTING SANITARY SEWER IN PLACE (TYP)

REMOVE EXISTING SANITARY SEWER

REMOVE ASPHALT TRAIL

REMOVE CONCRETE SIDEWALK AT EXISTING JOINT

REMOVE EXISTING STRUCTURE

266+10.00

scale 10 20 0 20 40 feet

N

STH 35

212+00 213+00 214+00 215+00 216+00 217+00

REMOVE CONCRETE PAVEMENT AT EXISTING JOINT

REMOVE ASPHALT TRAIL (TYP)

ABANDON EXISTING SANITARY SEWER IN PLACE (TYP)

REMOVE CONCRETE CURB & GUTTER (TYP)

REMOVE EXISTING RETAINING WALL

REMOVE AND REPLACE FENCE

ABANDON EXISTING SANITARY SEWER IN PLACE

CLEAR AND GRUB EXISTING TREE (TYP)

SALVAGE AND REINSTALL SIGN

SALVAGE & REINSTALL LIGHT POLE

SAW CUT (TYP)

REMOVE EXISTING CONCRETE

REMOVE CONCRETE SIDEWALK AT EXISTING JOINT

266+10.00

271+89.30

PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	STH 35 REMOVALS PLAN	SHEET 27	E

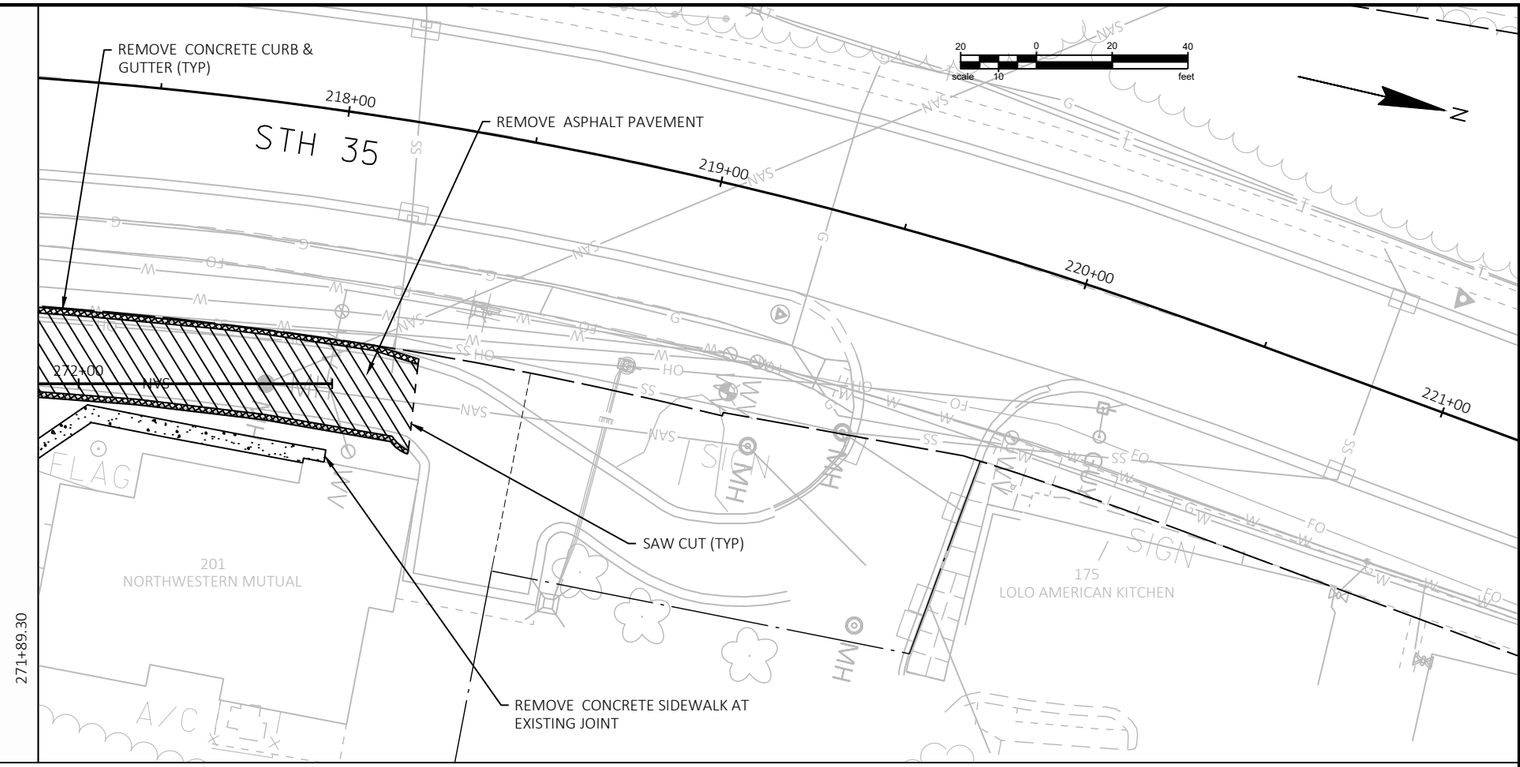
FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626RM - WWTP.DWG
LAYOUT NAME - Highway 35 - WWTP 1

PLOT DATE : 9/4/2020 1:09 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND
- ABANDON EXISTING SANITARY SEWER
- REMOVE AND REPLACE FENCE
- REMOVE EXISTING ASPHALT
- REMOVE EXISTING CONCRETE
- REMOVE EXISTING CURB & GUTTER
- CLEAR AND GRUB EXISTING TREE



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PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	STH 35 REMOVALS PLAN	SHEET 28	E

FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626RM - WWTP.DWG
LAYOUT NAME - Highway 35 - WWTP 2
PLOT DATE : 9/4/2020 1:09 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND
- ABANDON EXISTING SANITARY SEWER
- REMOVE AND REPLACE FENCE
- REMOVE EXISTING ASPHALT
- REMOVE EXISTING CONCRETE
- REMOVE EXISTING CURB & GUTTER
- CLEAR AND GRUB EXISTING TREE

2

BUCKEYE STREET

FLAG SIGN

REMOVE EXISTING LIGHT POLE AND BASE (TYP)

18" CONDUIT TRENCH (TYP)

N

20 0 20 40
scale 10 feet

224+00 225+00 226+00 227+00 STH 35 228+00 229+00

COULEE STREET

POST SIGN

WALLS

CANOPY

A/C

18" CONDUIT TRENCH (TYP)

WISCONSIN STREET

SAW CUT (TYP)

REMOVE CONCRETE CURB & GUTTER (TYP)

S.O.P.

COMMERCIAL STREET

230+00 STH 35 231+00 232+00 233+00 234+00 235+00

REMOVE EXISTING CONCRETE SIDEWALK AT EXISTING JOINT (TYP)

REMOVE EXISTING CONCRETE PAVEMENT AT EXISTING JOINT

REMOVE EXISTING LIGHT POLE AND BASE (TYP)

PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	STH 35 REMOVALS PLAN	SHEET 29	E

FILE NAME : P:\FJH\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626RM - WIS AND LOC.DWG
LAYOUT NAME - Downtown RM - (1)

PLOT DATE : 9/4/2020 1:11 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND
- ABANDON EXISTING SANITARY SEWER
- REMOVE AND REPLACE FENCE
- REMOVE EXISTING ASPHALT
- REMOVE EXISTING CONCRETE
- REMOVE EXISTING CURB & GUTTER
- CLEAR AND GRUB EXISTING TREE

REMOVE EXISTING LIGHT POLE AND BASE (TYP)

TRAFFIC SIGNALS TO REMAIN

18" CONDUIT TRENCH (TYP)

236+00 237+00 238+00 239+00 240+00 241+00

STH 35

WALNUT STREET

LOCUST STREET

REMOVE EXISTING CONCRETE SIDEWALK AT EXISTING JOINT (TYP)

REMOVE EXISTING LIGHT POLE AND BASE (TYP)

TRAFFIC SIGNALS TO REMAIN

242+00 18+00 19+00 20+00 21+00 22+00

STH 35

REMOVE EXISTING CONCRETE PAVEMENT AT EXISTING JOINT

18" CONDUIT TRENCH (TYP)

CLEAR AND GRUB EXISTING TREE (TYP)

REMOVE CONCRETE CURB & GUTTER (TYP)

SAW CUT (TYP)

VINE STREET

PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	STH 35 REMOVALS PLAN	SHEET 30	E

FILE NAME : P:\FJH\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626RM - WIS AND LOC.DWG
LAYOUT NAME - Downtown RM - (2)

PLOT DATE : 9/4/2020 1:11 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND
- ABANDON EXISTING SANITARY SEWER
- REMOVE AND REPLACE FENCE
- REMOVE EXISTING ASPHALT
- REMOVE EXISTING CONCRETE
- REMOVE EXISTING CURB & GUTTER
- CLEAR AND GRUB EXISTING TREE

NOTE:
COORDINATE REMOVALS
WITH WISDOT PLANS

REMOVE CONCRETE SIDEWALK (TYP)
TLE (TYP)
REMOVE EX SAN
REMOVE EX SAN MH
ABANDON EX WM IN PLACE
DO NOT DISTURB EXISTING RETAINING WALLS AS PART OF THIS CONTRACT
REMOVE EX SAN MH
REMOVE HYDRANT
STH 35
VINE STREET
ELM STREET
22+00
23+00
24+00
25+00
26+00
27+00
W1 W2 W3 W4 W5 W6 W7 W8 W9 W10 W11 W12 W13 W14 W15
S1 S2 S3 S4 S5 S6 S7 S8 S9 S10 S11 S12 S13 S14
VACANT
713
727
700
708
712
722
212
801
802
808

REMOVE EX SAN SERVICE (TYP)
RIGHT-OF-WAY (TYP)
DO NOT DISTURB EXISTING RAILING
DO NOT DISTURB EXISTING FENCE
DO NOT DISTURB EXISTING RETAINING WALL AS PART OF THIS CONTRACT
REMOVE EX SAN
REMOVE EX WATER SERVICE, CURB STOP AND BOX (TYP)
REMOVE EX SAN MH
REMOVE HYDRANT
CLEAR AND GRUB EXISTING TREE (TYP)
ABANDON EX WM IN PLACE
STH 35
ORANGE STREET
28+00
29+00
30+00
31+00
32+00
33+00
W20 W21 W22 W23 W24 W25 W26 W27 W28 W29 W30 W31 W32 W33 W34 W35
S20 S21 S22 S23 S24 S25 S26 S27 S28 S29 S30 S31 S32 S33 S34 S35 S36 S37
VACANT PARKING LOT
821
825
826
820
911
915
920
921
927

PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	STH 35 REMOVALS PLAN	SHEET 31	E

FILE NAME : P:\FJH\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HIGHWAY 35 RM.DWG
LAYOUT NAME - Highway 35 - (1)
PLOT DATE : 9/4/2020 1:13 PM
PLOT BY : SARAH AARTHUN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

NOTE:
COORDINATE REMOVALS
WITH WISDOT PLANS

REMOVE EX SAN MH

CLEAR AND GRUB
EXISTING TREE (TYP)

REMOVE CONCRETE
SIDEWALK (TYP)

REMOVE EX SAN SERVICE (TYP)

TLE (TYP)

34+00 35+00 36+00 37+00 38+00 39+00

STH 35

MYRTLE STREET

REMOVE HYDRANT

ABANDON EX WM IN PLACE

REMOVE EX WATER SERVICE,
CURB STOP AND BOX (TYP)

REMOVE EX SAN

REMOVE EX SAN MH

DO NOT DISTURB EXISTING RETAINING WALLS
AS PART OF THIS CONTRACT

LEGEND
- ABANDON EXISTING SANITARY SEWER
- REMOVE AND REPLACE FENCE
- REMOVE EXISTING ASPHALT
- REMOVE EXISTING CONCRETE
- REMOVE EXISTING CURB & GUTTER
- CLEAR AND GRUB EXISTING TREE

RIGHT-OF-WAY (TYP)

REMOVE EX SAN MH

40+00 41+00 42+00 43+00 44+00 45+00

STH 35

REMOVE CROSSWALK LIGHTING

REMOVE EX SAN

REMOVE HYDRANT

ST CROIX STREET

ABANDON EX WM IN PLACE

CLEAR AND GRUB
EXISTING TREE (TYP)

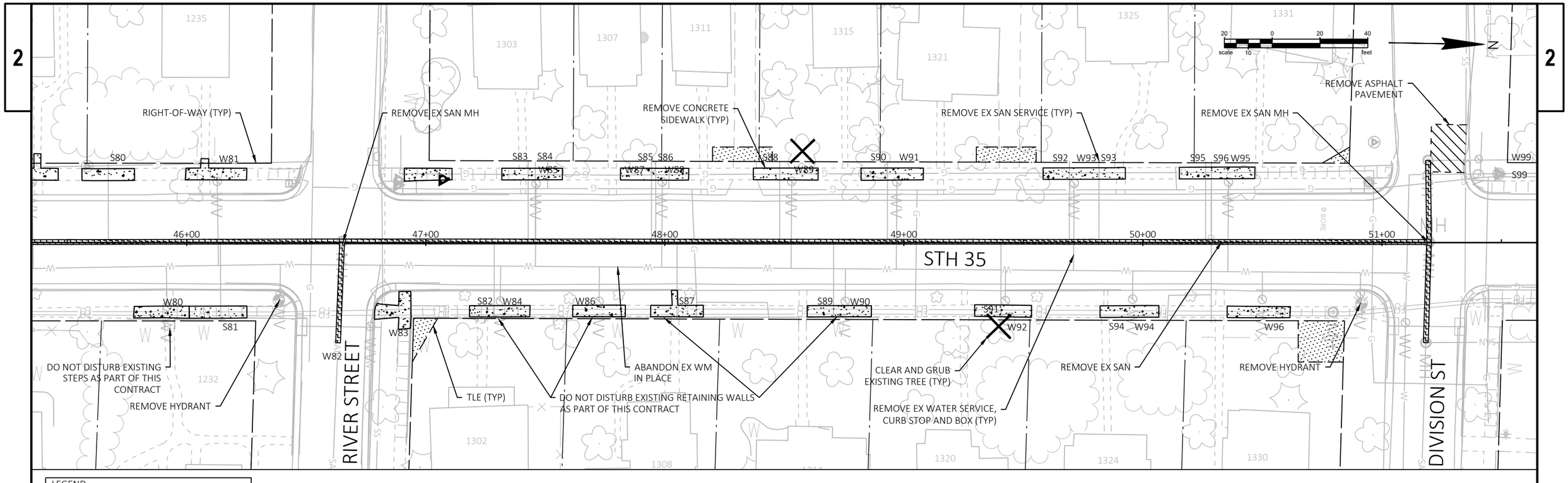
DO NOT DISTURB EXISTING
RETAINING WALLS AS PART OF
THIS CONTRACT

PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	STH 35 REMOVALS PLAN	SHEET 32	E

FILE NAME : P:\FJH\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HIGHWAY 35 RM.DWG
LAYOUT NAME - Highway 35 - (2)

PLOT DATE : 9/4/2020 1:13 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



LEGEND

- ABANDON EXISTING SANITARY SEWER
- REMOVE AND REPLACE FENCE
- REMOVE EXISTING ASPHALT
- REMOVE EXISTING CONCRETE
- REMOVE EXISTING CURB & GUTTER
- CLEAR AND GRUB EXISTING TREE

NOTE:
COORDINATE REMOVALS
WITH WISDOT PLANS

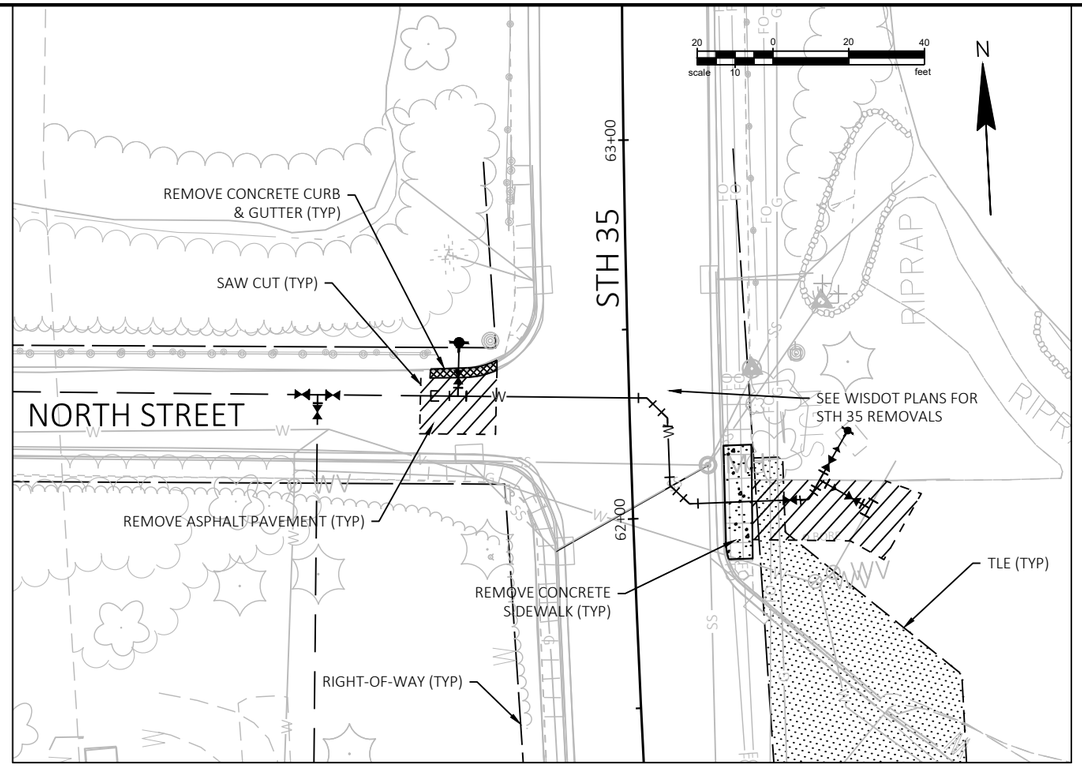
PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	STH 35 REMOVALS PLAN	SHEET 33	E

FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HIGHWAY 35 RM.DWG
LAYOUT NAME - Highway 35 - (3)
PLOT DATE : 9/4/2020 1:13 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND
- ABANDON EXISTING SANITARY SEWER
- REMOVE AND REPLACE FENCE
- REMOVE EXISTING ASPHALT
- REMOVE EXISTING CONCRETE
- REMOVE EXISTING CURB & GUTTER
- CLEAR AND GRUB EXISTING TREE

NOTE:
COORDINATE REMOVALS
WITH WISDOT PLANS



2

PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	NORTH STREET REMOVALS PLAN	SHEET 34	E

FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626RM - NORTH EW.DWG
LAYOUT NAME - Highway 35 - North St EW
PLOT DATE : 9/4/2020 1:14 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

BP: 17+87.90

18+00 19+00 20+00 STH 35/2ND ST 21+00

NOTE:
ADDITIONAL SIDEWALK REMOVALS SHOWN IN THE WATER, SANITARY, AND LIGHTING PLANS.

BEGIN PROJECT 8080-07-70
END PROJECT 8080-02-30
STA 22+20.80

381+00L

22+00 23+00

STA 22+20 - STA 383+59K
REMOVING CURB & GUTTER
SAWCUTS REQ'D

STA 22+57
ASPHALT DRWY
SAWCUT REQ'D

STA 23+06
CONCRETE DRWY
SAWCUT REQ'D

STA 22+20 - STA 384+79K
REMOVING CURB & GUTTER
SAWCUTS REQ'D

VINE ST

382+00L

CONCRETE SIDEWALK - SAWCUT SIDEWALK TO THE NEAREST JOINT.
DRIVEWAYS - SAWCUT *ASPHALT DRIVEWAYS* TO THE PROPOSED RECONSTRUCTION LIMITS.
SAWCUT *CONCRETE DRIVEWAYS* TO THE PROPOSED CONSTRUCTION LIMITS OR (+) OR (-) 2 FEET FOR REMOVAL TO THE NEAREST JOINT.

LEGEND
- REMOVING CONCRETE SIDEWALK (WisDOT)
- REMOVING CONCRETE SIDEWALK (CITY OF HUDSON)
- REMOVING CONCRETE PAVEMENT
- X REMOVING TREE
- REMOVING CURB AND GUTTER

STA 23+67
ASPHALT DRWY
SAWCUT REQ'D

STA 383+59K - STA 387+01L
REMOVING CURB & GUTTER

384+00L

24+00 25+00 STH 35/2ND ST 26+00 27+00 28+00 29+00

ELM ST

385+00L

STA 384+79K - STA 388+15L
REMOVING CURB & GUTTER

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	REMOVAL PLAN	SHEET 35	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\021001-RP.DWG
LAYOUT NAME - 021001-rp
PLOT DATE : 7/29/2020 12:58 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

STA 387+01L - STA 390+67M
REMOVING CURB & GUTTER
SAWCUTS REQ'D

STA 30+99
CONCRETE DRWY
SAWCUT REQ'D

STA 31+60
ASPHALT DRWY
SAWCUT REQ'D

STA 32+83
ASPHALT DRWY
SAWCUT REQ'D

STA 34+49
ASPHALT DRWY
SAWCUT REQ'D

PH 29+86.89

387+00M

391+00M

30+00 31+00 32+00 STH 35/2ND ST 33+00 34+00 35+00

388+00L

ORANGE ST

STA 31+37
CONCRETE DRWY
SAWCUT REQ'D

STA 31+70
BRICK PAVER DRWY

SALVAGE AND REINSTALL
BRICK PAVERS

STA 32+77
CONCRETE DRWY
SAWCUT REQ'D

STA 388+15L - STA 391+63M
REMOVING CURB & GUTTER
SAWCUTS REQ'D

MYRTLE ST

392+00M

CONCRETE SIDEWALK - SAWCUT SIDEWALK TO THE NEAREST JOINT.
DRIVEWAYS - SAWCUT *ASPHALT DRIVEWAYS* TO THE PROPOSED RECONSTRUCTION LIMITS.
SAWCUT *CONCRETE DRIVEWAYS* TO THE PROPOSED CONSTRUCTION LIMITS
OR (+) OR (-) 2 FEET FOR REMOVAL TO THE NEAREST JOINT.

LEGEND

- REMOVING CONCRETE SIDEWALK (WisDOT)
- REMOVING CONCRETE SIDEWALK (CITY OF HUDSON)
- REMOVING CONCRETE PAVEMENT
- X REMOVING TREE
- REMOVING CURB AND GUTTER

STA 390+80M - STA 393+64N
REMOVING CURB & GUTTER
SAWCUTS REQ'D

STA 36+86
ASPHALT DRWY
SAWCUT REQ'D

STA 37+95
ASPHALT DRWY
SAWCUT REQ'D

36+00 37+00 38+00 STH 35/2ND ST 39+00 40+00 41+00

STA 36+29
ASPHALT DRWY
SAWCUT REQ'D

STA 37+15
CONCRETE DRWY
SAWCUT REQ'D

STA 37+32
CONCRETE DRWY
SAWCUT REQ'D

STA 38+00
ASPHALT DRWY
SAWCUT REQ'D

STA 38+60
CONCRETE DRWY
SAWCUT REQ'D

REMOVING LANDSCAPE
BLOCK RETAINING WALL

STA 391+63M - STA 394+98N
REMOVING CURB & GUTTER
SAWCUTS REQ'D

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	REMOVAL PLAN	SHEET 36	E

2

STA 393+64N - STA 397+38P
REMOVING CURB & GUTTER
SAWCUTS REQ'D

N

42+00 43+00 44+00 STH 35/2ND ST 45+00 46+00 47+00

397+00P

398+00P

399+00N

ST CROIX ST

RIVER ST

REMOVING LANDSCAPE BLOCK RETAINING WALL

LEGEND

- REMOVING CONCRETE SIDEWALK (WisDOT)
- REMOVING CONCRETE SIDEWALK (CITY OF HUDSON)
- REMOVING CONCRETE PAVEMENT
- X REMOVING TREE
- REMOVING CURB AND GUTTER

STA 394+98N - STA 398+07P
REMOVING CURB & GUTTER
SAWCUTS REQ'D

CONCRETE SIDEWALK - SAWCUT SIDEWALK TO THE NEAREST JOINT.
DRIVEWAYS - SAWCUT *ASPHALT DRIVEWAYS* TO THE PROPOSED RECONSTRUCTION LIMITS.
SAWCUT *CONCRETE DRIVEWAYS* TO THE PROPOSED CONSTRUCTION LIMITS
OR (+) OR (-) 2 FEET FOR REMOVAL TO THE NEAREST JOINT.

STA 397+24P - STA 399+27Q
REMOVING CURB & GUTTER
SAWCUTS REQ'D

STA 49+44
CONCRETE DRWY
SAWCUT REQ'D

N

48+00 49+00 STH 35/2ND ST 50+00 51+00 52+00 53+00

PI: 51+20.27

400+00Q

DIVISION ST

REMOVING FENCE

STA 398+07P - STA 400+53Q
REMOVING CURB & GUTTER
SAWCUTS REQ'D

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	REMOVAL PLAN	SHEET 37	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\021001-RP.DWG
LAYOUT NAME - 021003-rp

PLOT DATE : 7/29/2020 12:59 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

STA 399+27Q - STA 404+55S
REMOVING CURB & GUTTER
SAWCUTS REQ'D

N

+94 +04 +16 +01 +62 +72

54+00 55+00 56+00 STH 35/2ND ST 57+00 58+00 59+00

+93 +06 +53 +69

STA 400+53Q - STA 402+76R
REMOVING CURB & GUTTER
SAWCUTS REQ'D

CONCRETE SIDEWALK - SAWCUT SIDEWALK TO THE NEAREST JOINT.
DRIVEWAYS - SAWCUT *ASPHALT DRIVEWAYS* TO THE PROPOSED RECONSTRUCTION LIMITS.
SAWCUT *CONCRETE DRIVEWAYS* TO THE PROPOSED CONSTRUCTION LIMITS
OR (+) OR (-) 2 FEET FOR REMOVAL TO THE NEAREST JOINT.

LEGEND

- REMOVING CONCRETE SIDEWALK (WisDOT)
- REMOVING CONCRETE SIDEWALK (CITY OF HUDSON)
- REMOVING CONCRETE PAVEMENT
- X REMOVING TREE
- REMOVING CURB AND GUTTER

NORTH ST

+55 +55 +67 +72 +88

405+00S

STA 404+67S - STA 64+30
REMOVING CURB & GUTTER
SAWCUTS REQ'D

PT: 64+24.14

60+00 61+00 62+00 STH 35/2ND ST 63+00 64+00 65+00

MH

SIGN

+01 +34R +73 +32L +59 +76

STA 402+40
ASPHALT DRWY
SAWCUT REQ'D

SHOP RD

RIPRAP

STA 402+59R - STA 64+30
REMOVING CURB & GUTTER
SAWCUTS REQ'D

BEGIN PROJECT 8080-07-70
END PROJECT 8080-05-70
STA 64+29.50

PROJECT NO: 8080-07-70/8080-05-70	HWY: STH 35	COUNTY: ST CROIX	REMOVAL PLAN	SHEET 38	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\021001-RP.DWG
LAYOUT NAME - 021004-rp

PLOT DATE : 7/29/2020 12:59 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

CONCRETE SIDEWALK - SAWCUT SIDEWALK TO THE NEAREST JOINT.
DRIVEWAYS - SAWCUT *ASPHALT DRIVEWAYS* TO THE PROPOSED RECONSTRUCTION LIMITS.
SAWCUT *CONCRETE DRIVEWAYS* TO THE PROPOSED CONSTRUCTION LIMITS
OR (+) OR (-) 2 FEET FOR REMOVAL TO THE NEAREST JOINT.

LEGEND

- REMOVING CONCRETE SIDEWALK (WisDOT)
- REMOVING CONCRETE SIDEWALK (CITY OF HUDSON)
- REMOVING CONCRETE PAVEMENT
- REMOVING TREE
- REMOVING CURB AND GUTTER

STA 68+07 - STA 408+43U
REMOVING CURB & GUTTER
SAWCUTS REQ'D

STA 68+07 - STA 406+67T
REMOVING CURB & GUTTER
SAWCUTS REQ'D

STA 71+02
ASPHALT DRWY
SAWCUT REQ'D

STA 406+67T - STA 409+87U
REMOVING CURB & GUTTER
SAWCUTS REQ'D

STA 74+71
CONCRETE DRWY
SAWCUT REQ'D

STA 75+20
CONCRETE DRWY
SAWCUT REQ'D

STA 408+29U - STA 411+52V
REMOVING CURB & GUTTER
SAWCUTS REQ'D

STA 76+79
ASPHALT DRWY
SAWCUT REQ'D

STA 77+06
ASPHALTDRWY
SAWCUT REQ'D

STA 74+96
ASPHALT DRWY
SAWCUT REQ'D

STA 409+87U - STA 412+57V
REMOVING CURB & GUTTER
SAWCUTS REQ'D

STA 76+43
ASPHALT DRWY
SAWCUT REQ'D

66+00 67+00 68+00 69+00 70+00 71+00 72+00 73+00 74+00 75+00 76+00 77+00

STH 35/6TH ST

SOUTH ST 40

WISCONSIN ST 410+00U

PI: 73+48.79 409+00U

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	REMOVAL PLAN	SHEET 39	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\021001-RP.DWG
LAYOUT NAME - 021005-rp

PLOT DATE : 7/29/2020 12:59 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

STA 77+87
ASPHALT DRWY
SAWCUT REQ'D

STA 411+52V - STA 419+90W
REMOVING CURB & GUTTER
SAWCUT REQ'D

STA 82+17
ASPHALT DRWY
SAWCUT REQ'D

SALVAGE AND REINSTALL
BRICK PAVERS

STA 83+06
CONCRETE DRWY
SAWCUT REQ'D

N

78+00 | 79+00 | 80+00 | 412+00V | 81+00 | STH 35/6TH ST | 82+00 | 83+00

REMOVING LANDSCAPE
BLOCK RETAINING WALL

STA 78+12
CONCRETE DRWY
SAWCUT REQ'D

STA 79+15
CONCRETE DRWY
SAWCUT REQ'D

REMOVING CONCRETE STEPS

ST CROIX ST N

STA 412+57V - STA 421+16W
REMOVING CURB & GUTTER
SAWCUT REQ'D

STA 82+30
ASPHALT DRWY
SAWCUT REQ'D

LEGEND

- REMOVING CONCRETE SIDEWALK (WisDOT)
- REMOVING CONCRETE SIDEWALK (CITY OF HUDSON)
- REMOVING CONCRETE PAVEMENT
- X REMOVING TREE
- REMOVING CURB AND GUTTER

CONCRETE SIDEWALK - SAWCUT SIDEWALK TO THE NEAREST JOINT.
DRIVEWAYS - SAWCUT *ASPHALT DRIVEWAYS* TO THE PROPOSED RECONSTRUCTION LIMITS.
SAWCUT *CONCRETE DRIVEWAYS* TO THE PROPOSED CONSTRUCTION LIMITS
OR (+) OR (-) 2 FEET FOR REMOVAL TO THE NEAREST JOINT.

SALVAGE AND REINSTALL
BRICK PAVERS

REMOVING LANDSCAPE
BLOCK RETAINING WALL

STA 86+14
ASPHALT DRWY
SAWCUT REQ'D

STA 86+65
ASPHALT DRWY
SAWCUT REQ'D

STA 86+84
ASPHALT DRWY
SAWCUT REQ'D

STA 81+71
ASPHALT DRWY
SAWCUT REQ'D

N

420+00W | 84+00 | 85+00 | 86+00 | STH 35/6TH ST | 87+00 | 88+00 | 89+00

STA 85+43
ASPHALT DRWY
SAWCUT REQ'D

421+00W

MONROE ST N

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	REMOVAL PLAN	SHEET 40	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\SHEETSPLAN\021001-RP.DWG
LAYOUT NAME - 021006-rp

PLOT DATE : 10/12/2020 9:39 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

STA 89+74
CONCRETE DRWY
SAWCUT REQ'D

STA 89+53
CONCRETE DRWY
SAWCUT REQ'D

REMOVING LANDSCAPE
BLOCK RETAINING WALL

STA 90+93
ASPHALT DRWY
SAWCUT REQ'D

STA 91+23
ASPHALT DRWY
SAWCUT REQ'D

STA 91+23 (DRWY, LT)
STA 419+90W - STA 426+25Y
REMOVING CURB & GUTTER
SAWCUTS REQ'D

STA 92+52
ASPHALT DRWY
SAWCUT REQ'D

STA 93+34
ASPHALT DRWY
SAWCUT REQ'D

STA 94+50
ASPHALT DRWY
SAWCUT REQ'D

PT: 94+07.89

STH 35/6TH ST

90+00 91+00 92+00 93+00 94+00 95+00

STA 90+41
ASPHALT DRWY
SAWCUT REQ'D

STA 91+12
ASPHALT DRWY
SAWCUT REQ'D

STA 92+37
ASPHALT DRWY
SAWCUT REQ'D

STA 421+16W - STA 423+84X
REMOVING CURB & GUTTER
SAWCUTS REQ'D

STA 93+86
ASPHALT DRWY
SAWCUT REQ'D

STA 94+75
ASPHALT DRWY
SAWCUT REQ'D

CONCRETE SIDEWALK - SAWCUT SIDEWALK TO THE NEAREST JOINT.
DRIVEWAYS - SAWCUT *ASPHALT DRIVEWAYS* TO THE PROPOSED RECONSTRUCTION LIMITS.
SAWCUT *CONCRETE DRIVEWAYS* TO THE PROPOSED CONSTRUCTION LIMITS
OR (+) OR (-) 2 FEET FOR REMOVAL TO THE NEAREST JOINT.

LEGEND

- REMOVING CONCRETE SIDEWALK (WisDOT)
- REMOVING CONCRETE SIDEWALK (CITY OF HUDSON)
- REMOVING CONCRETE PAVEMENT
- X REMOVING TREE
- REMOVING CURB AND GUTTER

STA 95+63
CONCRETE DRWY
SAWCUT REQ'D

STA 96+89
ASPHALT DRWY
SAWCUT REQ'D

STA 99+80
ASPHALT DRWY
SAWCUT REQ'D

STH 35/6TH ST

96+00 97+00 98+00 99+00 100+00 101+00

STA 95+64
ASPHALT DRWY
SAWCUT REQ'D

STA 97+95
ASPHALT DRWY
SAWCUT REQ'D

STA 423+61X - STA 427+60Y
REMOVING CURB & GUTTER
SAWCUTS REQ'D

STA 100+38
ASPHALT DRWY
SAWCUT REQ'D

STA 101+15
CONCRETE DRWY
SAWCUTS REQ'D

MICHAELSON ST

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	REMOVAL PLAN	SHEET 41	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\021001-RP.DWG
LAYOUT NAME - 021007-rp

PLOT DATE : 7/29/2020 12:59 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

STA 106+47
ASPHALT DRWY
SAWCUT REQ'D

STA 106+73
ASPHALT DRWY
SAWCUT REQ'D

102+00 103+00 104+00 STH 35/6TH ST 105+00 106+00 107+00

STA 102+19
CONCRETE DRWY
SAWCUT REQ'D

STA 102+43
ASPHALT DRWY
SAWCUT REQ'D

STA 104+09
ASPHALT DRWY
SAWCUT REQ'D

STA 105+16
ASPHALT DRWY
SAWCUT REQ'D

STA 106+36
ASPHALT DRWY
SAWCUT REQ'D

STA 423+61X - STA 427+60Y
REMOVING CURB & GUTTER
SAWCUTS REQ'D

CONCRETE SIDEWALK - SAWCUT SIDEWALK TO THE NEAREST JOINT.
DRIVEWAYS - SAWCUT *ASPHALT DRIVEWAYS* TO THE PROPOSED RECONSTRUCTION LIMITS.
SAWCUT *CONCRETE DRIVEWAYS* TO THE PROPOSED CONSTRUCTION LIMITS
OR (+) OR (-) 2 FEET FOR REMOVAL TO THE NEAREST JOINT.

LEGEND
- REMOVING CONCRETE SIDEWALK (WisDOT)
- REMOVING CONCRETE SIDEWALK (CITY OF HUDSON)
- REMOVING CONCRETE PAVEMENT
- X REMOVING TREE
- REMOVING CURB AND GUTTER

STA 108+61
ASPHALT DRWY
SAWCUT REQ'D

STA 108+88
ASPHALT DRWY
SAWCUT REQ'D

SOMMERS ST

STA 426+25Y - STA 111+30
REMOVING CURB & GUTTER
SAWCUT REQ'D

PI: 111+01.58

108+00 109+00 110+00 STH 35/6TH ST 111+00 112+00 113+00

BEGIN PROJECT 8080-02-73
END PROJECT 8080-05-70
STA 112+00.00

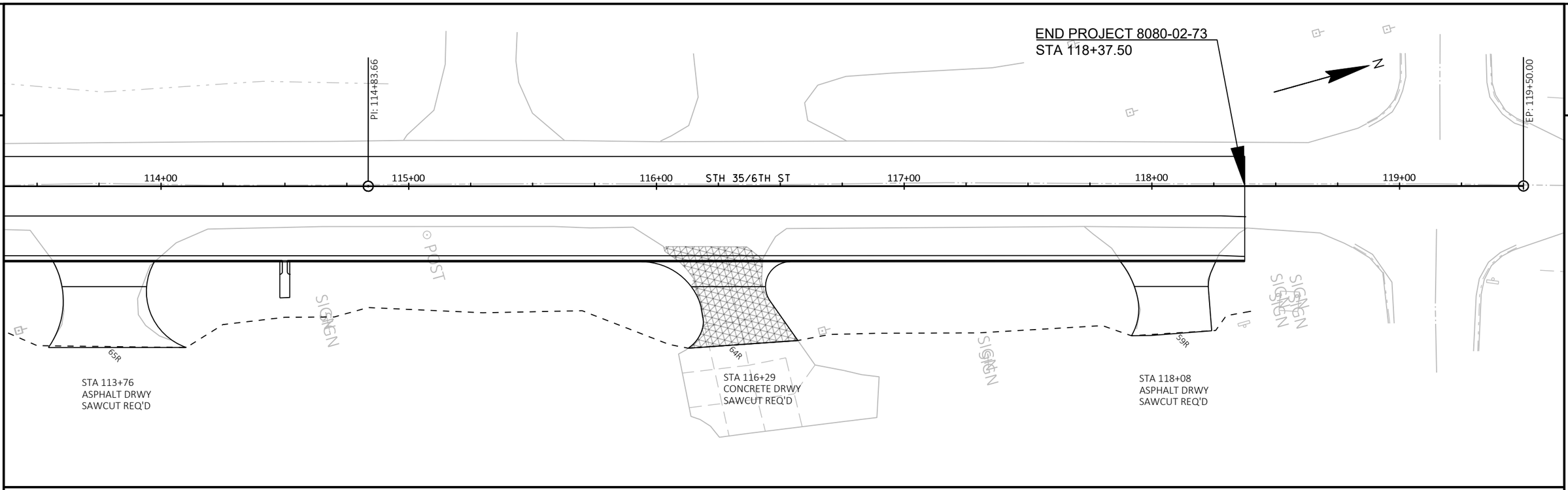
STA 427+60Y - STA 111+55
REMOVING CURB & GUTTER

PROJECT NO: 8080-05-70/02-73	HWY: STH 35	COUNTY: ST CROIX	REMOVAL PLAN	SHEET 42	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\021001-RP.DWG
LAYOUT NAME - 021008-rp

PLOT DATE : 7/29/2020 1:00 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



2

CONCRETE SIDEWALK - SAWCUT SIDEWALK TO THE NEAREST JOINT.
DRIVEWAYS - SAWCUT *ASPHALT DRIVEWAYS* TO THE PROPOSED RECONSTRUCTION LIMITS.
SAWCUT *CONCRETE DRIVEWAYS* TO THE PROPOSED CONSTRUCTION LIMITS
OR (+) OR (-) 2 FEET FOR REMOVAL TO THE NEAREST JOINT.

LEGEND

- REMOVING CONCRETE SIDEWALK (WisDOT)
- REMOVING CONCRETE SIDEWALK (CITY OF HUDSON)
- REMOVING CONCRETE PAVEMENT
- X REMOVING TREE
- REMOVING CURB AND GUTTER

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	REMOVAL PLAN	SHEET 43	E

2

LEGEND

REMOVE EXISTING CONCRETE

500 WISCONSIN ST N
WILLOW RIVER APARTMENTS LLC

512 WISCONSIN ST N
ARTHUR L & ROSEMARY KUNZE

REMOVE EX SAN MH

ABANDON EX SAN

ABANDON EX WTR

REMOVE EX SAN

68+00 69+00 70+00 71+00 72+00 73+00

STH 35

CLEAR & GRUB

EXIST SAN MH

REMOVE EX SAN MH

REMOVE EX GV

REMOVE EX HYDRANT

MATCHLINE
AT STATION – 73+90.00

107 7TH ST N
SPENCER E & SHAWN E PORTER

108 6TH ST N
NICHOLAS W DUBORD

SOUTH STREET N

210 6TH ST N
ALEXANDRA NIEMANN

218 6TH ST N
CARMELLA M WRIGHT

604 WISCONSIN ST N
JENNIFER HAGER

WISCONSIN STREET N

513 WISCONSIN ST N
PETER J & ANNE B YOUNG

309 6TH ST N
ANTHONY ZEZZA

311 6TH ST N
GREGORY A HANSEN

315 6TH ST N
KEVIN A JOHNSON

323 6TH ST N
PATRICIA A & RANDY BAKER

327 6TH ST N
(894 CTY RD N)
JOANN & CHARLES REISINGER

329 6TH ST N
NICHOLAS LISIECKI

339 6TH ST N
JUSTIN TESSIER

10' TLE

MATCHLINE
AT STATION – 73+90.00

74+00 75+00 76+00 77+00 78+00 79+00

STH 35

MATCHLINE
AT STATION – 79+80.00

REMOVE EX SAN

REMOVE EX SAN MH

ABANDON EX WTR

REMOVE EX WTR SERVICE
CURBSTOP & BOX (TYP)

603 WISCONSIN ST N
KIRK E NELSON

303 6TH ST N
COURTNEY LESEMAN

316 6TH ST N
ETHAN YOUNG

324 6TH ST N
JULIE R MARKIE

326 6TH ST N
BRENDA RUPLES

332 6TH ST N
ANDREW J KUDRLE

338 6TH ST N
KAREN A OLSON

PROJECT NO: 8080–05–70	HWY: STH 35	COUNTY: ST CROIX	REMOVALS PLAN: SANITARY & WATER	SHEET 44 E

FILE NAME : I:\CLIENTS-MENO\N\N2636 VILLAGE OF NORTH HUDSON\091 STH 35 SANITARY SEWER & WATERMAIN REPLACEMENT\100 CAD\DWG\040101_RP_2636091.DWG PLOT DATE : 9/8/2020 8:40 AM PLOT BY : RYAN JONES PLOT NAME : PLOT SCALE : 1 IN : 40FT

WISDOT/CADDS SHEET 44

2

LEGEND

REMOVE EXISTING CONCRETE

403 6TH ST N
DAVID D ALWIN

411 6TH ST N
DAVID O ALWIN

413 6TH ST N
DAVID O ALWIN

415 6TH ST N
413 6TH ST N LLC

501 6TH ST N
T CAMEL LLC

MATCHLINE
AT STATION – 79+80.00

MATCHLINE
AT STATION – 85+70.00

80+00

81+00

82+00

83+00

84+00

85+00

SAN MH 6

STH 35

ST CROIX STREET N

MONROE STREET N

PI 84+21.53

10' TLE

R/W

REMOVE EX SAN

ABANDON EX WTR

REMOVE EX WTR SERVICE
CURBSTOP & BOX (TYP)

REMOVE EX GV

REMOVE EX HYDRANT

REMOVE EX SAN MH

404 6TH ST N
JAMES W BECHEL REVOCABLE TRUST

408 6TH ST N
DAVID STANTON

410 6TH ST N
DENNIS R LANGER

500 6TH ST N
(410 6TH ST N)
DENNIS R & MARY J LANGER

N

2

501 6TH ST N
T CAMEL LLC

509 6TH ST N
JAMES J THULL

515 6TH ST N
JANINE M NEWHOUSE

519 6TH ST N
JEANNE JOHNSON

523 6TH ST N
HENRY A & SUSAN A POMMERENING

527 6TH ST N
SAWYER C ARNDT

531 6TH ST N
BRIAN P MONTGOMERY

535 6TH ST N
(PO BOX 32, NEW RICHMOND 54017)
BAYLISS LLC

MATCHLINE
AT STATION – 85+70.00

MATCHLINE
AT STATION – 91+60.00

86+00

87+00

88+00

89+00

90+00

91+00

PI 91+33.69

STH 35

10' TLE

R/W

REMOVE EX SAN

REMOVE EX WTR SERVICE
CURBSTOP & BOX (TYP)

ABANDON EX WTR

REMOVE EX HYDRANT

504 6TH ST N
AMBER YOCOM STROMBECK

510 6TH ST N
ANNETTE KINNEY

516 6TH ST N
(410 6TH ST N)
DENNIS ROGER & MARY J LANGER

520 6TH ST N
NICOLAS W & LISA A MEURETT

524 6TH ST N
T –BUCK INC

532 6TH ST N
JEFFREY A & JOY C LETENDRE

538 6TH ST N
(16554 2ND ST, LAKELAND
SHORES MN 55403)
TORNING INVESTMENTS LLC

N

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	REMOVALS PLAN: SANITARY & WATER	SHEET 45 E

FILE NAME : I:\CLIENTS-MENO\N\N2636 VILLAGE OF NORTH HUDSON\091 STH 35 SANITARY SEWER & WATERMAIN REPLACEMENT\100 CAD\DWG\040101_RP_2636091.DWG PLOT DATE : 9/8/2020 8:42 AM PLOT BY : RYAN JONES PLOT NAME : PLOT SCALE : 1 IN : 40FT

WISDOT/CADDS SHEET 44

535 6TH ST N
(PO BOX 32 NEW
RICHMOND WI 54017)
BAYLISS LLC

541 6TH ST N
(1185 MCKINLEY DR)
FLEX RENTALS LLC

546 4TH ST N
BIBLE BAPTIST CHURCH

551 6TH ST N
JASON GARY MOST

555 6TH ST N
CARL E & GAIL M NORDEN

601 6TH ST N
(1356 EGARD ST)
DAVID R KRUEGER

LEGEND

REMOVE EXISTING CONCRETE

MATCHLINE
AT STATION – 91+60.00

10' TLE

R/W

92+00 93+00 94+00 95+00 96+00 97+00

P.I. 94+07.89

STH 35

ABANDON EX WTR

REMOVE EX SAN

REMOVE EX SAN MH

REMOVE EX SAN

REMOVE EX SAN MH

REMOVE EX SAN

REMOVE EX GV

MICHAELSON STREET N

538 6TH ST N
(16554 2ND ST S, LAKELAND
SHORES MN 55403)
TORNING INVESTMENTS LLC

542 6TH ST N
FREDERICK E BUTTKE

546 6TH ST N
ERIC JOYCE

550 6TH ST N
(N8855 1031ST ST, RIVER
FALLS WI 54022)
BUTLER RENTALS LLC

554 6TH ST N
JAMES J JR BOSCHUETZ

604 MICHAELSON ST N
JEFFREY A & DOREEN L CHAPIN

MATCHLINE
AT STATION – 97+50.00

MATCHLINE
AT STATION – 91+60.00

605 6TH ST N
(740 REGAL RIDGE CR)
THOMAS P & TAMI M DATWYLER

609 6TH ST N
LYNN M WARD

613 6TH ST N
DUANE R & GLORIA J BONSE

617 6TH ST N
(636 7TH ST N)
ROBERT & TAMARA TURNER

621 6TH ST N
DANIEL S CARVER

625 6TH ST N
RUTH BYE

629 6TH ST N
LUANA J NYGAARD

10' TLE

R/W

98+00 99+00 100+00 101+00 102+00 103+00

STH 35

REMOVE EX SAN MH

REMOVE EX SAN

REMOVE EX WTR SERVICE
CURBSTOP & BOX (TYP)

REMOVE EX SAN MH

REMOVE EX SAN

ABANDON EX WTR

602 6TH ST N
(941 MEADOWOOD LN)
WILLIAM J & PAULA N KOTZ

606 6TH ST N
LESTER C &
LORI G (TR) RAYOME

610 6TH ST N
JAMES & VIOLA SHEDORE

614 6TH ST N
JANET M PASTIAN

618 6TH ST N
NORA ANN BETH JONES

622 6TH ST N
DANIEL J & CAITLIN J MARTY

626 6TH ST N
CRAIG BJORNSTAD

MATCHLINE
AT STATION – 103+40.00

PROJECT NO: 8080–05–70	HWY: STH 35	COUNTY: ST CROIX	REMOVALS PLAN: SANITARY & WATER	SHEET 46 E

FILE NAME : I:\CLIENTS-MENO\N\N2636 VILLAGE OF NORTH HUDSON\091 STH 35 SANITARY SEWER & WATERMAIN REPLACEMENT\100 CAD\DWG\040101_RP_2636091.DWG PLOT DATE : 9/8/2020 8:42 AM PLOT BY : RYAN JONES PLOT NAME : PLOT SCALE : 1 IN : 40FT

2

633 6TH ST N
KAY A LARSON

637 6TH ST N
(717 SOMMERS POINT N)
TODD A. WOLF

643 6TH ST N
ALLEN E MCNAMEE

645 6TH ST N
ANTHONY P DE ROSE

647 6TH ST N
BART J GERMAIN

649 6TH ST N
(1374 HWY 65,
NEW RICHMOND WI 54017)
COLLEEN O'SHAUGHNESSY

LEGEND
REMOVE EXISTING CONCRETE

N

10' TLE
R/W

MATCHLINE
AT STATION – 103+40.00

104+00
105+00
106+00
107+00
108+00
109+00

STH 35

MATCHLINE
AT STATION – 109+30.00

REMOVE EX SAN
REMOVE EX SAN MH
REMOVE EX SAN
REMOVE EX WTR SERVICE
CURBSTOP & BOX (TYP)
ABANDON EX WTR
REMOVE EX SAN MH
REMOVE EX SAN MH
REMOVE EX SAN

632 6TH ST N
BRADLEY R HETLAND

634 6TH ST N
MARK J TURNBULL, JASON C &
KATHLEEN R PELNAR

636 6TH ST N
RAE ANN PELNAR

638 6TH ST N
JAMES E & JULIANNA M MARKGRAF

643 7TH ST N
CONNIE M PAULSON

647 7TH ST N
ROBERT J & KATHLEEN M LUTY

651 7TH ST N
WARREN R EASTWOOD

649 6TH ST N
COLLEEN O'SHAUGHNESSY

651 6TH ST N
PATRICK DOUGHERTY JR.

703 6TH ST N
MARC A ZAPPA

709 6TH ST N
SEAN ROWAN

715 6TH ST N
ANTHONY T &
JANE E TRUST ZAPPA

REMOVE EX WTR SERVICE
CURBSTOP & BOX (TYP)

10' TLE
R/W

MATCHLINE
AT STATION – 109+30.00

110+00
111+00
112+00
112+96

STH 35

REMOVE EX SAN
REMOVE EX SAN
BULKHEAD EX INV

R/W
REMOVE EX SAN MH
10' TLE

ABANDON EX WTR
REMOVE EX HYDRANT

SOMMERS STREET N

R/W

651 7TH ST N
WARREN R EASTWOOD

704 SOMMERS ST N
SUSAN K MANNING

702 6TH ST N
ERICKSON OIL PRODUCTS INC

710 6TH ST N
ZAPPA COMPANY LLC

PROJECT NO: 8080–05–70	HWY: STH 35	COUNTY: ST CROIX	REMOVALS PLAN: SANITARY & WATER	SHEET 47 E

FILE NAME : I:\CLIENTS-MENO\N\N2636 VILLAGE OF NORTH HUDSON\091 STH 35 SANITARY SEWER & WATERMAIN REPLACEMENT\100 CAD\DWG\040101_RP_2636091.DWG PLOT DATE : 9/8/2020 8:43 AM PLOT BY : RYAN JONES PLOT NAME : PLOT SCALE : 1 IN : 40FT
WISDOT/CADDS SHEET 44

2

RADIUS POINT TABLE		
POINT	COORDINATES	RADIUS
CC1	Y=340303.85 X=511124.07	25.0'
CC2	Y=340383.81 X=511127.87	20.0'

STH 35/LOLO CAFE & NORTHWESTERN MUTUAL ENTRANCE

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
100	217+92.04	35.49	340176.08	511106.01	698.43
101	217+91.77	43.86	340176.65	511114.36	698.54
102	218+54.75	35.72	340236.70	511101.87	699.03
103	218+54.51	43.73	340236.82	511109.88	699.15
104	218+79.79	45.77	340261.18	511111.09	698.91
105	218+80.49	37.80	340261.67	511103.10	699.03
106	219+22.56	41.19	340302.30	511106.33	698.62
107	219+21.84	49.16	340301.50	511114.29	698.50
108	219+30.17	49.82	340309.46	511115.09	698.42
109	219+30.83	41.85	340310.26	511107.13	698.54
110	219+26.47	35.99	340306.16	511101.19	698.46
111	219+40.63	42.56	340319.68	511108.08	698.22
112	219+37.04	42.31	340316.23	511107.73	698.25
113	219+36.42	50.28	340315.43	511115.69	698.14
114	219+46.56	50.96	340325.10	511116.67	698.04
115	219+44.41	75.40	340322.23	511141.02	697.93
116	219+86.79	76.70	340361.69	511144.36	698.05
117	219+93.97	76.38	340368.39	511144.53	698.32
118	219+92.97	63.26	340368.45	511131.37	698.85
119	219+84.83	63.58	340360.75	511131.14	698.18
120	219+85.15	57.59	340361.47	511125.19	698.30
121	219+92.66	58.32	340368.53	511126.43	698.78
122	219+93.24	52.88	340369.48	511121.05	698.40
123	219+88.70	52.74	340365.18	511120.59	698.34
124	219+93.48	44.89	340370.33	511113.09	698.54
125	220+00.29	45.07	340376.83	511113.79	698.62
126	220+00.08	53.07	340375.98	511121.75	698.50
127	220+00.21	58.14	340375.69	511126.81	698.86
128	220+00.26	62.71	340375.37	511131.37	698.92
129	220+04.18	58.03	340379.45	511127.02	699.28
130	220+08.47	53.24	340383.93	511122.60	699.06
131	220+08.61	45.24	340384.78	511114.64	698.95
132	220+08.85	38.00	340385.65	511107.45	698.84
133	220+41.47	45.34	340416.18	511118.00	700.15
134	220+41.45	53.34	340415.23	511125.94	698.16

NOTES:
ALL PEDESTRIAN RAMPS TO BE CONSTRUCTED AT 6" THICKNESS.

SAWCUT REQ'D AT TIE-IN POINTS OF CURB AND GUTTER AND SIDEWALK (NEAREST JOINT).

SAWCUT ALONG CURB AND GUTTER FLANGELINE WHEN ADJACENT TO CONCRETE PAVEMENT.

SAWCUT 2' OFFSET OF CURB AND GUTTER FLANGELINE WHEN ADJACENT TO ASPHALT PAVEMENT.

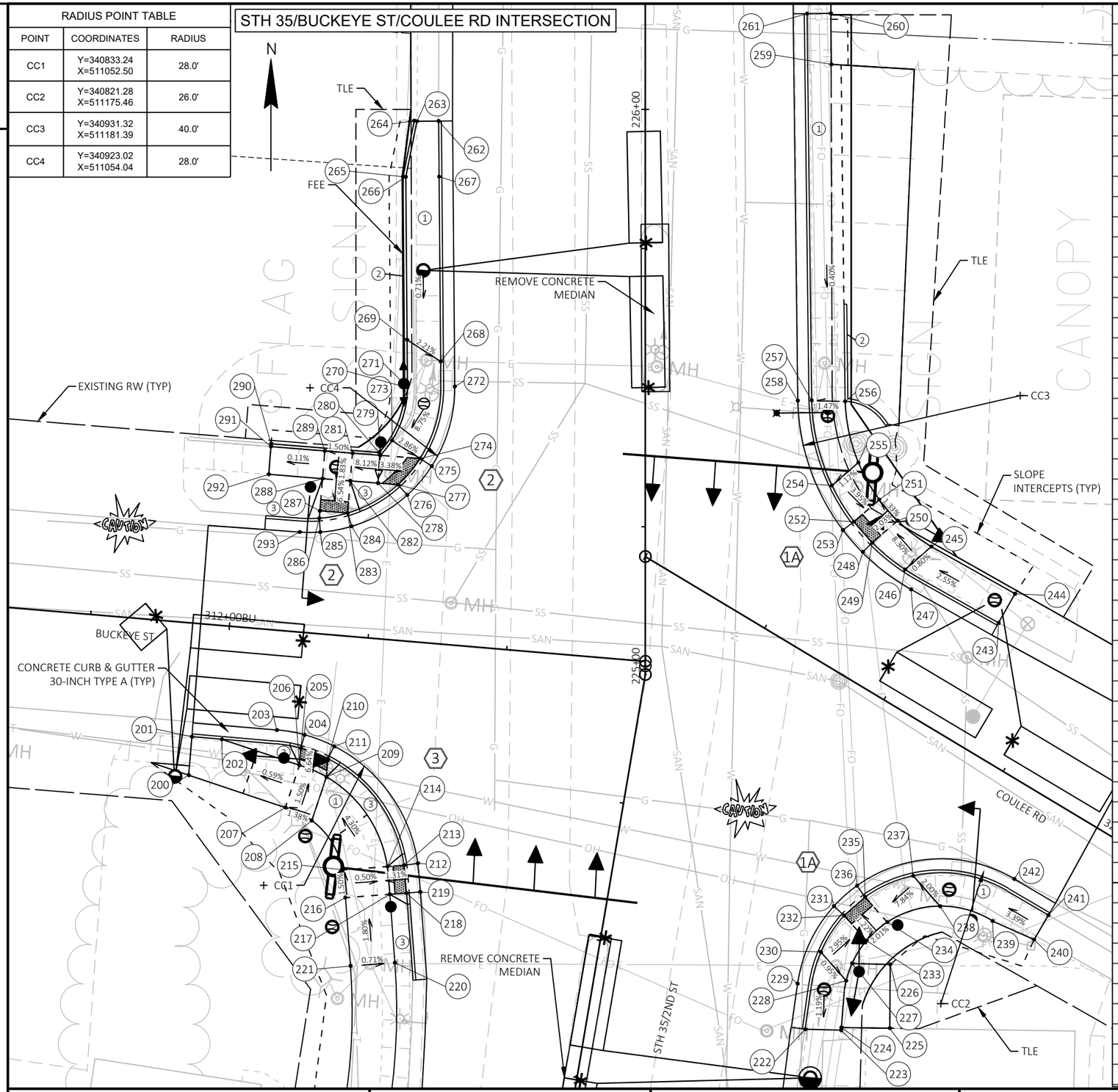
LEGEND

- DIRECTION OF SLOPE (TYP)
- DETECTABLE WARNING FIELD (NATURAL PATINA)
- X — CURB RAMP TYPE AS PER WISDOT SDD 8D5
- 1 — CONCRETE SIDEWALK 4-INCH
- 2 — CONCRETE CURB, PEDESTRIAN
- 3 — GRASS OR OTHER NON-WALKABLE SURFACE

PROJECT NO: 8080-02-60/72	HWY: STH 35	COUNTY: ST CROIX	INTERSECTION DETAILS	SHEET 48	E

STH 35/BUCKEYE ST/COULEE RD INTERSECTION

RADIUS POINT TABLE		
POINT	COORDINATES	RADIUS
CC1	Y=340833.24 X=511052.50	28.0'
CC2	Y=340821.28 X=511175.46	26.0'
CC3	Y=340931.32 X=511181.39	40.0'
CC4	Y=340923.02 X=511054.04	28.0'



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
200	224+66.90	77.87	340851.96	511037.58	698.16
201	224+73.80	78.46	340858.88	511037.63	698.08
202	224+74.25	73.07	340858.83	511043.03	698.23
203	224+77.54	63.61	340861.24	511052.76	698.11
204	224+77.51	58.58	340860.74	511057.77	698.20
205	224+75.02	58.82	340858.28	511057.30	698.13
206	224+71.98	58.55	340855.24	511057.29	698.32
207	224+64.08	59.79	340847.48	511055.33	698.44
208	224+62.55	54.70	340845.49	511060.26	698.53
209	224+70.72	53.42	340853.50	511062.28	698.40
210	224+73.98	53.71	340856.79	511062.29	698.17
211	224+76.37	52.97	340859.09	511063.25	698.24
212	224+58.17	34.63	340839.28	511079.84	699.31
213	224+57.40	37.01	340838.74	511077.40	699.24
214	224+56.68	39.93	340838.29	511074.43	699.24
215	224+54.75	47.73	340837.08	511066.48	699.28
216	224+49.92	46.45	340832.15	511067.31	699.35
217	224+51.84	38.68	340833.35	511075.23	699.31
218	224+52.56	35.75	340833.81	511078.21	699.30
219	224+53.17	33.33	340834.18	511080.68	699.38
220	224+39.88	35.70	340821.17	511077.09	699.53
221	224+37.96	43.47	340819.97	511069.18	699.59
222	224+40.42	38.98	340814.85	511151.51	701.26
223	224+41.34	45.37	340815.17	511157.96	701.16
224	224+41.82	45.33	340815.66	511157.96	701.17
225	224+43.15	53.93	340816.18	511166.64	701.38
226	224+54.46	52.09	340827.62	511165.86	701.49
227	224+53.48	45.32	340827.27	511159.02	701.24
228	224+50.25	44.78	340824.10	511158.19	701.30
229	224+48.27	36.25	340822.92	511149.51	700.92
230	224+54.59	39.41	340828.91	511153.23	701.37
231	224+63.10	40.37	340837.30	511154.98	701.14
232	224+61.74	42.48	340835.76	511156.95	701.07
233	224+57.95	47.18	340831.55	511161.29	701.16
234	224+61.85	50.32	340835.14	511164.77	701.26
235	224+65.63	45.62	340839.34	511160.43	701.19
236	224+67.40	43.84	340841.27	511158.83	701.26
237	224+70.84	53.50	340843.81	511168.76	701.91
238	224+66.27	59.18	340838.73	511174.00	702.06
239	224+65.22	68.90	340836.79	511183.58	702.65
240	224+63.20	76.82	340834.05	511191.28	702.95
241	224+67.94	78.63	340838.61	511193.51	702.80
242	224+73.33	71.49	340844.63	511186.91	702.14
243	225+07.74	63.47	340890.30	511180.60	702.12
244	225+12.97	66.41	340895.74	511183.14	702.26
245	225+21.44	51.39	340903.04	511167.51	701.76
246	225+17.33	46.65	340898.58	511163.11	701.71
247	225+13.73	47.74	340895.08	511164.46	701.36
248	225+20.48	39.09	340901.15	511155.33	701.09
249	225+22.15	40.77	340902.94	511156.88	701.02
250	225+26.10	45.31	340907.22	511161.10	701.14
251	225+29.87	42.03	340910.73	511157.54	701.08
252	225+25.92	37.49	340906.45	511153.32	700.95
253	225+24.41	35.50	340904.80	511151.45	701.03
254	225+32.42	33.53	340912.63	511148.88	701.29
255	225+36.53	38.26	340917.09	511153.28	701.36
256	225+47.52	35.88	340927.87	511150.08	701.36
257	225+47.69	29.88	340927.58	511144.07	701.28
258	225+47.65	27.38	340927.35	511141.58	700.86
259	226+08.09	33.43	340988.07	511143.02	701.58
260	226+17.26	33.32	340997.21	511142.22	701.98
261	226+17.21	29.06	340996.84	511137.98	701.56
262	225+97.91	37.14	340972.57	511073.43	700.84
263	225+97.88	41.03	340972.24	511069.56	700.89
264	225+97.98	41.52	340972.30	511069.06	701.39
265	225+87.91	43.56	340962.11	511067.79	701.18
266	225+87.86	43.06	340962.10	511068.30	700.67
267	225+87.92	37.06	340962.60	511074.27	700.58
268	225+54.71	36.78	340929.51	511077.08	700.37
269	225+58.59	42.81	340932.93	511070.77	700.50
270	225+50.13	43.24	340924.46	511070.98	701.02
271	225+50.13	42.74	340924.50	511071.48	700.52
272	225+50.21	34.24	340925.22	511079.95	699.91
273	225+40.51	45.53	340914.69	511069.43	699.38
274	225+37.26	40.48	340911.84	511074.71	699.20
275	225+35.91	38.38	340910.65	511076.91	699.28
276	225+30.71	42.79	340905.13	511072.91	698.99
277	225+32.57	44.47	340906.85	511071.09	698.92
278	225+32.85	48.04	340906.87	511067.51	699.13
279	225+37.84	47.64	340911.87	511067.53	699.31
280	225+38.36	47.84	340912.37	511067.29	699.79
281	225+38.24	52.63	340911.89	511062.53	698.86
282	225+33.26	53.03	340906.89	511062.51	698.74
283	225+27.47	53.49	340901.09	511062.48	698.55
284	225+25.08	52.78	340898.75	511063.38	698.62
285	225+24.05	58.41	340897.30	511057.84	698.32
286	225+26.54	58.58	340899.77	511057.48	698.25
287	225+27.88	58.48	340901.11	511057.48	698.27
288	225+33.66	58.01	340906.91	511057.51	698.71
289	225+38.64	57.61	340911.91	511057.53	698.78
290	225+39.92	67.25	340912.45	511047.82	699.31
291	225+39.42	67.29	340911.95	511047.82	698.81
292	225+34.43	67.67	340906.95	511047.81	698.66
293	225+24.05	62.12	340897.02	511054.14	698.22

LEGEND

- DIRECTION OF SLOPE (TYP)
- DETECTABLE WARNING FIELD (NATURAL PATINA)
- (X) CURB RAMP TYPE AS PER WISDOT SDD 8D5
- (1) CONCRETE SIDEWALK 4-INCH
- (2) CONCRETE CURB, PEDESTRIAN
- (3) GRASS OR OTHER NON-WALKABLE SURFACE

PROJECT NO: 8080-02-60/72	HWY: STH 35	COUNTY: ST CROIX	INTERSECTION DETAILS	SHEET 49	E

2

N

10 0 10 20
scale 5 feet

STH 35

233+00

232+00

36" WHITE GROOVED EPOXY (TYP)

R10.00'

CONCRETE SIDEWALK

COLORED CONCRETE SIDEWALK (WISDOT RED) (TYP)

RADIUS POINT (TYP)

ADJUST EXISTING VALVE BOX

WISDOT CURB RAMP TYPE 3 (TYP)

7 LF CONCRETE CURB & GUTTER 30-INCH TYPE D

R25.00'

ASPHALT ROADWAY

POINT AT WHICH CURB & GUTTER CHANGES FROM TYPE D TO TYPE A

CONCRETE CURB & GUTTER 30-INCH TYPE A

CONCRETE ROADWAY WITH ASPHALT OVERLAY

CONCRETE SIDEWALK

R9.50'

R10.50'

ADJUST EXISTING VALVE BOX

LEVEL LANDING (TYP)

COLORED CONCRETE SIDEWALK (WIDOT RED) (TYP)

R10.00'

ADJUST EXISTING VALVE BOX

R10.00'

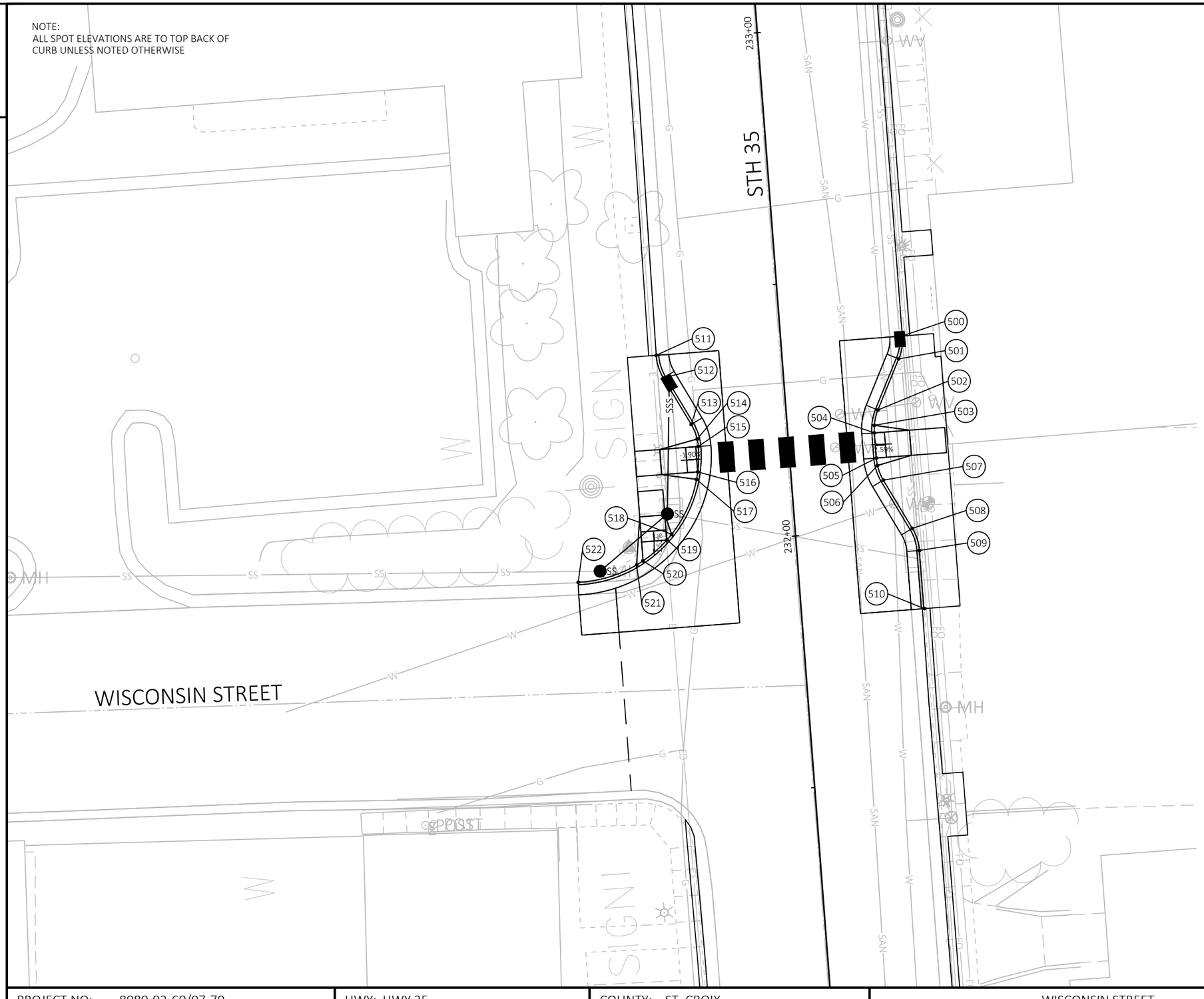
CONCRETE CURB & GUTTER 30-INCH TYPE A

WISCONSIN STREET

MH

PROJECT NO: 8080-02-60/07-70 | HWY: HWY 35 | COUNTY: ST. CROIX | WISCONSIN STREET | SHEET 50 | E

NOTE:
ALL SPOT ELEVATIONS ARE TO TOP BACK OF CURB UNLESS NOTED OTHERWISE

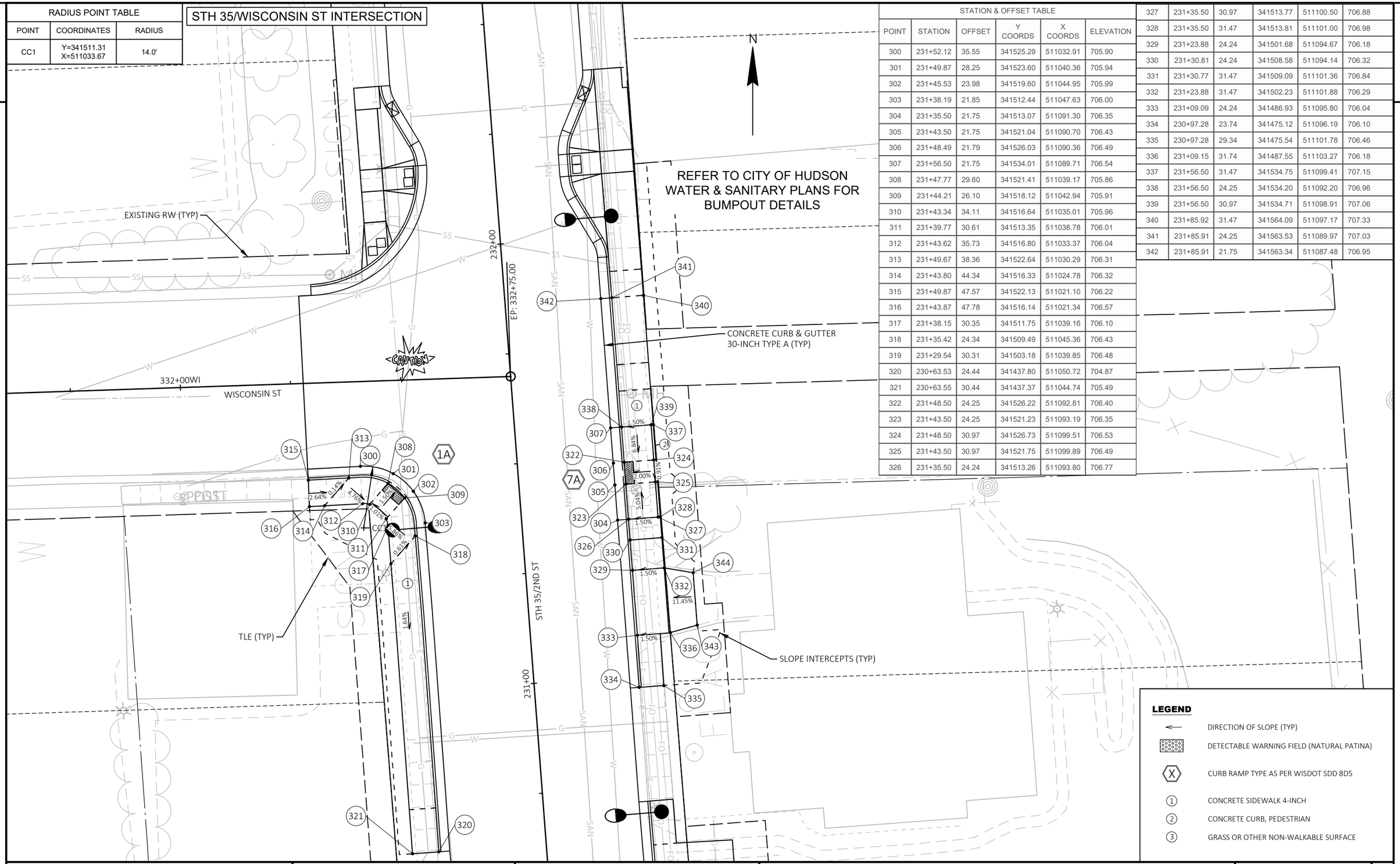


POINT TABLE			
POINT NUMBER	NORTHING	EASTING	ELEVATION
500	341615.349	511085.867	707.67
501	341610.822	511085.158	707.50
502	341600.691	511081.036	707.35
503	341597.651	511080.325	707.31
504	341596.151	511080.328	707.29
505	341591.166	511080.724	707.21
506	341589.683	511080.941	707.20
507	341586.788	511082.111	707.17
508	341577.225	511087.855	707.10
509	341572.847	511089.252	707.06
510	341561.325	511090.235	707.06
511	341611.531	511037.102	707.24
512	341607.045	511038.500	707.24
513	341597.829	511044.035	707.24
514	341594.934	511045.205	707.24
515	341593.451	511045.432	707.24
516	341588.427	511045.314	707.17
517	341586.945	511045.084	707.07
518	341576.066	511040.156	706.26
519	341574.986	511039.255	706.17
520	341570.804	511034.496	706.08
521	341570.002	511033.229	706.00
522	341566.549	511021.632	705.32

2

RADIUS POINT TABLE		
POINT	COORDINATES	RADIUS
CC1	Y=341511.31 X=511033.67	14.0'

STH 35/WISCONSIN ST INTERSECTION



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
300	231+52.12	35.55	341525.29	511032.91	705.90
301	231+49.87	28.25	341523.60	511040.36	705.94
302	231+45.53	23.98	341519.60	511044.95	705.99
303	231+38.19	21.85	341512.44	511047.63	706.00
304	231+35.50	21.75	341513.07	511091.30	706.35
305	231+43.50	21.75	341521.04	511090.70	706.43
306	231+48.49	21.79	341526.03	511090.36	706.49
307	231+56.50	21.75	341534.01	511089.71	706.54
308	231+47.77	29.60	341521.41	511039.17	705.86
309	231+44.21	26.10	341518.12	511042.94	705.91
310	231+43.34	34.11	341516.64	511035.01	705.96
311	231+39.77	30.61	341513.35	511038.78	706.01
312	231+43.62	35.73	341516.80	511033.37	706.04
313	231+49.67	38.36	341522.64	511030.29	706.31
314	231+43.80	44.34	341516.33	511024.78	706.32
315	231+49.87	47.57	341522.13	511021.10	706.22
316	231+43.87	47.78	341516.14	511021.34	706.57
317	231+38.15	30.35	341511.75	511039.16	706.10
318	231+35.42	24.34	341509.49	511045.36	706.43
319	231+29.54	30.31	341503.18	511039.85	706.48
320	230+63.53	24.44	341437.80	511050.72	704.87
321	230+63.55	30.44	341437.37	511044.74	705.49
322	231+48.50	24.25	341526.22	511092.81	706.40
323	231+43.50	24.25	341521.23	511093.19	706.35
324	231+48.50	30.97	341526.73	511099.51	706.53
325	231+43.50	30.97	341521.75	511099.89	706.49
326	231+35.50	24.24	341513.26	511093.80	706.77
327	231+35.50	30.97	341513.77	511100.50	706.88
328	231+35.50	31.47	341513.81	511101.00	706.98
329	231+23.88	24.24	341501.68	511094.67	706.18
330	231+30.81	24.24	341508.58	511094.14	706.32
331	231+30.77	31.47	341509.09	511101.36	706.84
332	231+23.88	31.47	341502.23	511101.88	706.29
333	231+09.09	24.24	341486.93	511095.80	706.04
334	230+97.28	23.74	341475.12	511096.19	706.10
335	230+97.28	29.34	341475.54	511101.78	706.46
336	231+09.15	31.74	341487.55	511103.27	706.18
337	231+56.50	31.47	341534.75	511099.41	707.15
338	231+56.50	24.25	341534.20	511092.20	706.96
339	231+56.50	30.97	341534.71	511098.91	707.06
340	231+85.92	31.47	341564.09	511097.17	707.33
341	231+85.91	24.25	341563.53	511089.97	707.03
342	231+85.91	21.75	341563.34	511087.48	706.95

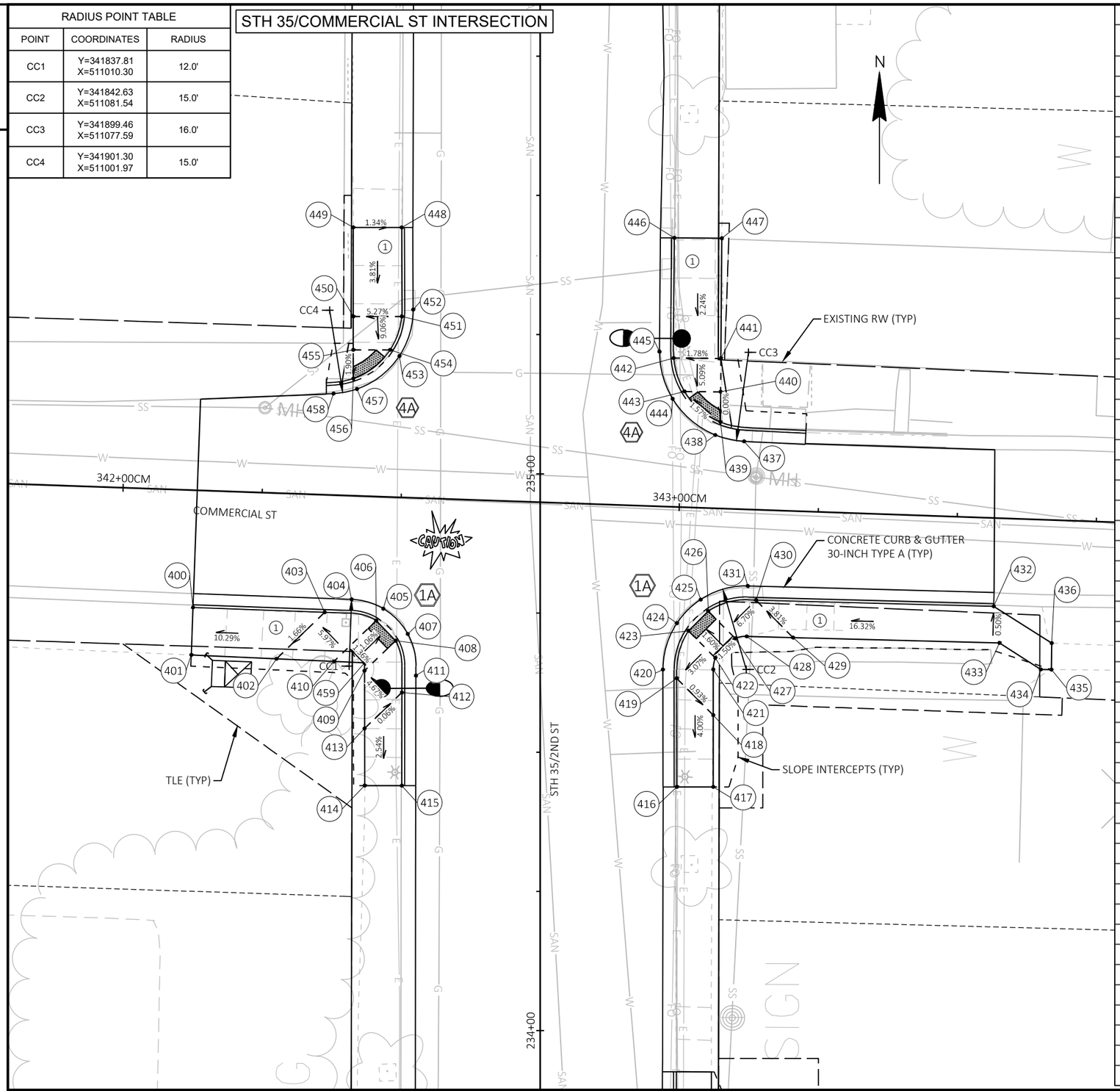
LEGEND

- DIRECTION OF SLOPE (TYP)
- DETECTABLE WARNING FIELD (NATURAL PATINA)
- (X) CURB RAMP TYPE AS PER WISDOT SDD 8D5
- (1) CONCRETE SIDEWALK 4-INCH
- (2) CONCRETE CURB, PEDESTRIAN
- (3) GRASS OR OTHER NON-WALKABLE SURFACE

2

RADIUS POINT TABLE		
POINT	COORDINATES	RADIUS
CC1	Y=341837.81 X=511010.30	12.0'
CC2	Y=341842.63 X=511081.54	15.0'
CC3	Y=341899.46 X=511077.59	16.0'
CC4	Y=341901.30 X=511001.97	15.0'

STH 35/COMMERCIAL ST INTERSECTION



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
400	234+75.99	62.40	341846.18	510981.53	706.70
401	234+67.46	62.71	341837.65	510981.87	706.92
402	234+66.77	47.40	341838.13	510997.18	708.44
403	234+75.12	38.72	341847.12	511005.20	708.64
404	234+77.45	33.91	341849.80	511009.83	708.81
405	234+75.76	28.20	341848.55	511015.65	709.09
406	234+73.61	29.48	341846.32	511014.54	709.02
407	234+71.21	23.82	341844.35	511020.36	709.09
408	234+70.01	26.01	341842.99	511018.27	709.02
409	234+64.65	31.57	341837.22	511013.13	709.13
410	234+66.30	37.07	341838.45	511007.52	709.07
411	234+63.74	22.35	341837.02	511022.40	709.06
412	234+60.71	24.85	341833.81	511020.13	709.48
413	234+54.26	31.56	341826.86	511013.93	709.50
414	234+44.00	31.55	341816.63	511014.72	709.28
415	234+43.99	24.88	341817.13	511021.37	708.72
416	234+43.77	24.56	341820.66	511070.68	709.83
417	234+43.77	31.10	341821.16	511077.21	709.94
418	234+56.64	31.10	341834.00	511076.23	710.45
419	234+63.26	24.55	341840.10	511069.19	710.54
420	234+64.84	22.05	341841.48	511066.58	710.22
421	234+64.84	31.09	341842.17	511075.60	710.74
422	234+66.93	31.47	341844.28	511075.82	710.81
423	234+71.79	26.65	341848.77	511070.64	710.71
424	234+73.18	24.58	341849.99	511068.47	710.78
425	234+77.40	28.84	341854.53	511072.40	710.86
426	234+75.31	30.21	341852.54	511073.92	710.78
427	234+70.44	35.02	341848.06	511079.09	710.89
428	234+70.80	37.11	341848.57	511081.15	711.03
429	234+70.58	45.44	341848.99	511089.47	711.72
430	234+77.30	38.79	341855.18	511082.32	711.36
431	234+79.84	37.29	341857.60	511080.64	710.93
432	234+76.20	81.51	341857.33	511125.00	717.54
433	234+69.62	82.53	341850.85	511126.53	717.77
434	234+64.86	89.98	341846.66	511134.32	719.19
435	234+64.84	91.88	341846.79	511136.21	719.48
436	234+69.59	91.92	341851.53	511135.89	718.86
437	235+05.83	36.64	341883.46	511078.02	710.75
438	235+06.97	31.46	341884.20	511072.77	710.29
439	235+09.28	32.40	341886.59	511073.52	710.22
440	235+14.72	32.44	341892.01	511073.15	710.22
441	235+20.72	32.48	341897.99	511072.74	710.52
442	235+20.78	23.97	341897.41	511064.25	710.37
443	235+14.77	25.92	341891.56	511066.65	710.10
444	235+13.46	23.78	341890.10	511064.62	710.02
445	235+21.93	21.43	341898.37	511061.63	709.94
446	235+42.36	24.09	341918.94	511062.73	710.08
447	235+42.30	32.64	341919.53	511071.25	711.13
448	235+44.23	24.92	341917.08	511013.72	709.93
449	235+44.26	33.59	341916.44	511005.07	710.05
450	235+28.26	33.59	341900.49	511006.29	709.24
451	235+28.26	24.88	341901.15	511014.97	709.70
452	235+29.48	22.83	341902.53	511016.92	709.32
453	235+21.16	25.30	341894.04	511015.09	709.08
454	235+22.26	26.97	341895.01	511013.34	709.03
455	235+22.26	33.59	341894.51	511006.74	708.94
456	235+17.11	33.59	341889.37	511007.13	708.84
457	235+15.22	32.93	341887.54	511007.93	708.89
458	235+14.41	37.15	341886.41	511003.79	708.77
459	234+66.05	31.58	341838.62	511013.02	709.10

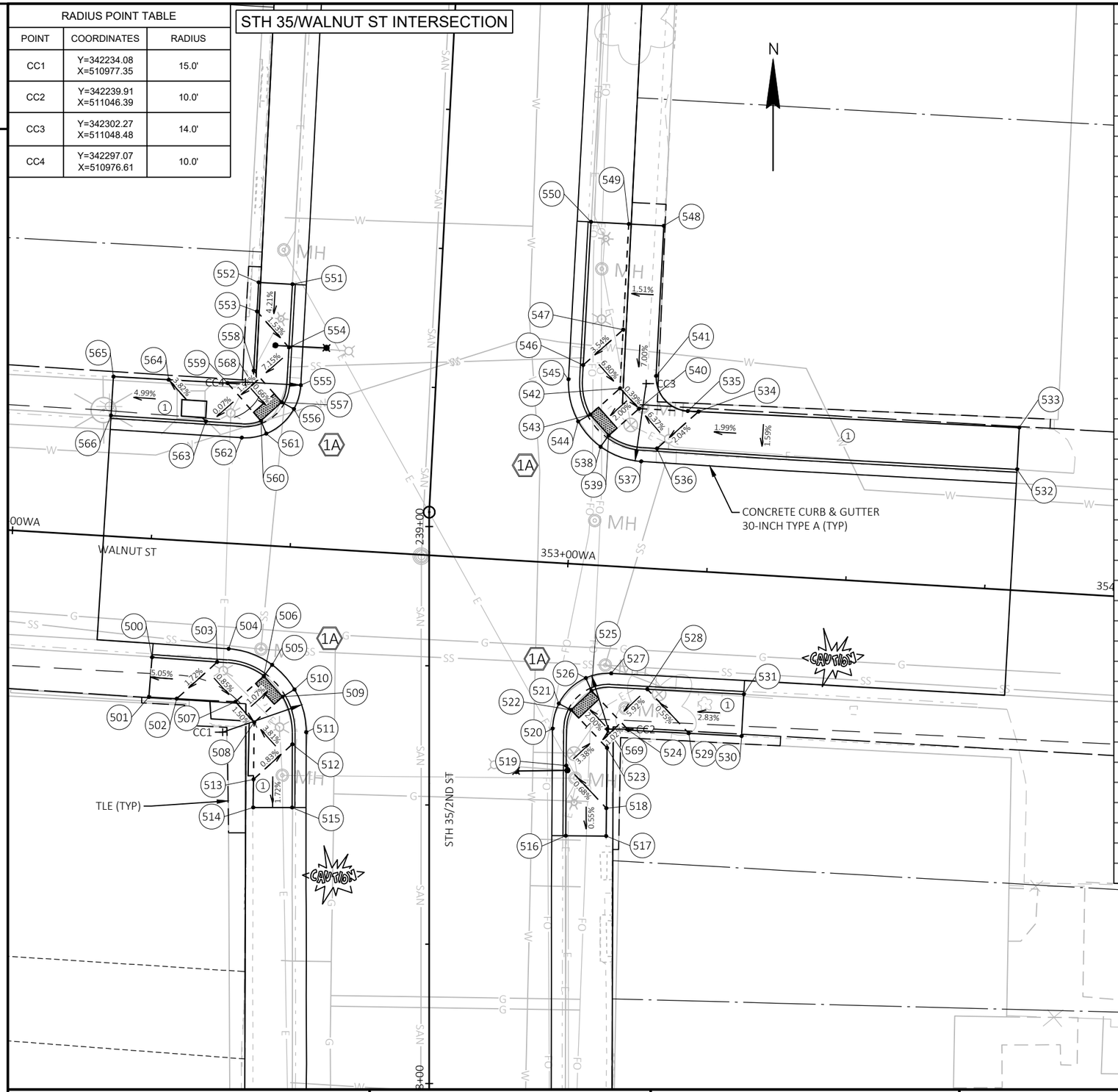
LEGEND

- DIRECTION OF SLOPE (TYP)
- DETECTABLE WARNING FIELD (NATURAL PATINA)
- CURB RAMP TYPE AS PER WISDOT SDD 8D5
- (1) CONCRETE SIDEWALK 4-INCH
- (2) CONCRETE CURB, PEDESTRIAN
- (3) GRASS OR OTHER NON-WALKABLE SURFACE

PROJECT NO: 8080-02-60/72	HWY: STH 35	COUNTY: ST CROIX	INTERSECTION DETAILS	SHEET 53	E

STH 35/WALNUT ST INTERSECTION

RADIUS POINT TABLE		
POINT	COORDINATES	RADIUS
CC1	Y=342234.08 X=510977.35	15.0'
CC2	Y=342239.91 X=511046.39	10.0'
CC3	Y=342302.27 X=511048.48	14.0'
CC4	Y=342297.07 X=510976.61	10.0'



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
500	238+76.51	49.80	342246.51	510963.66	712.20
501	238+69.38	50.35	342239.35	510963.66	712.49
502	238+69.09	45.35	342239.45	510968.66	712.68
503	238+75.68	38.09	342246.57	510975.40	712.85
504	238+78.04	36.04	342249.08	510977.27	712.49
505	238+75.17	28.23	342246.81	510985.27	712.79
506	238+73.16	29.70	342244.69	510983.95	712.71
507	238+68.54	34.80	342239.70	510979.23	712.75
508	238+64.84	31.44	342236.26	510982.86	712.67
509	238+69.45	26.35	342241.25	510987.58	712.56
510	238+70.73	24.20	342242.68	510989.63	712.63
511	238+63.06	22.10	342235.20	510992.30	712.55
512	238+60.91	24.60	342232.86	510989.97	712.94
513	238+54.61	31.55	342226.05	510983.52	713.02
514	238+49.56	31.61	342221.01	510983.84	713.01
515	238+49.55	24.61	342221.54	510990.82	712.70
516	238+44.48	24.55	342220.22	511040.23	713.09
517	238+44.43	31.79	342220.71	511047.46	713.47
518	238+49.43	31.85	342225.70	511047.13	713.42
519	238+57.08	24.64	342232.78	511039.36	713.35
520	238+63.72	22.19	342239.22	511036.41	713.02
521	238+68.22	23.30	342243.80	511037.17	713.03
522	238+67.08	25.52	342242.82	511039.48	712.96
523	238+60.24	31.96	342236.50	511046.42	713.15
524	238+63.44	35.82	342239.98	511050.02	713.21
525	238+70.51	29.16	342246.52	511042.85	713.01
526	238+72.80	28.15	342248.72	511041.67	713.08
527	238+73.63	32.71	342249.91	511046.15	713.12
528	238+70.79	39.20	342247.56	511052.84	713.59
529	238+62.87	46.66	342240.24	511060.87	713.76
530	238+62.38	56.14	342240.46	511070.37	714.24
531	238+69.88	56.54	342247.97	511070.19	713.89
532	239+15.73	105.10	342291.98	511116.09	715.85
533	239+23.25	105.12	342299.49	511115.92	716.28
534	239+23.12	47.41	342297.97	511058.23	714.64
535	239+23.11	45.46	342297.91	511056.29	714.52
536	239+16.12	40.30	342290.80	511051.29	714.44
537	239+13.66	37.58	342288.27	511048.64	713.96
538	239+15.90	30.16	342290.33	511041.16	713.93
539	239+18.00	31.51	342292.47	511042.47	713.86
540	239+23.10	36.69	342297.68	511047.52	714.01
541	239+29.12	39.46	342303.78	511050.14	714.30
542	239+26.58	33.10	342301.07	511043.84	714.02
543	239+21.57	28.01	342295.94	511038.88	713.88
544	239+20.24	25.89	342294.57	511036.79	713.95
545	239+27.70	23.76	342301.97	511034.48	714.00
546	239+30.38	26.27	342304.71	511036.92	714.42
547	239+37.12	33.11	342311.61	511043.60	714.76
548	239+56.10	39.45	342330.74	511049.47	715.16
549	239+56.12	33.15	342330.61	511043.17	714.87
550	239+56.14	26.35	342330.46	511036.38	714.03
551	239+42.18	26.65	342315.22	510983.73	713.73
552	239+42.20	32.74	342315.09	510977.65	714.10
553	239+36.97	32.76	342309.87	510977.75	713.80
554	239+30.82	26.69	342303.86	510983.97	713.67
555	239+24.17	24.21	342297.28	510986.61	713.23
556	239+19.83	25.22	342292.92	510985.71	713.22
557	239+20.92	27.47	342293.95	510983.43	713.15
558	239+26.34	32.81	342299.24	510977.96	713.19
559	239+23.86	37.38	342296.65	510973.45	713.12
560	239+17.41	31.03	342290.36	510979.96	713.06
561	239+15.15	29.97	342288.12	510981.07	713.13
562	239+14.20	34.32	342287.07	510976.75	713.02
563	239+16.77	40.93	342289.48	510970.07	713.02
564	239+23.91	47.97	342296.44	510962.87	712.59
565	239+23.95	57.90	342296.25	510952.93	712.09
566	239+16.95	57.97	342289.24	510953.03	712.04
568	239+23.84	32.82	342296.74	510978.01	713.16
569	238+63.65	32.00	342239.89	511046.20	713.12

LEGEND

- DIRECTION OF SLOPE (TYP)
- DETECTABLE WARNING FIELD (NATURAL PATINA)
- (X) CURB RAMP TYPE AS PER WISDOT SDD 8D5
- (1) CONCRETE SIDEWALK 4-INCH
- (2) CONCRETE CURB, PEDESTRIAN
- (3) GRASS OR OTHER NON-WALKABLE SURFACE

PROJECT NO: 8080-02-60/72	HWY: STH 35	COUNTY: ST CROIX	INTERSECTION DETAILS	SHEET 54	E

2

N

10 0 10 20
scale 5 feet

STH 35

LOCUST STREET

36" WHITE GROOVED EPOXY (TYP)

R10.00'

WISDOT CURB RAMP TYPE 2 (TYP)

CONCRETE SIDEWALK

ADJUST EXISTING VALVE BOX

R10.00'

R25.00'

COLORED CONCRETE SIDEWALK (WISDOT RED) (TYP)

R10.00'

36" WHITE GROOVED EPOXY (TYP)

18" WHITE GROOVED EPOXY

R10.00'

ASPHALT ROADWAY

CONCRETE SIDEWALK

RADIUS POINT (TYP)

COLORED CONCRETE SIDEWALK (WISDOT RED) (TYP)

R10.00'

36" WHITE GROOVED EPOXY

18+00

STA AHEAD = 17+87.90
STA BACK = 242+87.90

CONCRETE ROADWAY WITH ASPHALT OVERLAY

242+00

R10.00'

R10.50'

CONCRETE SIDEWALK

ADJUST EXISTING VALVE BOX

LEVEL LANDING (TYP)

R10.00'

R25.00'

COLORED CONCRETE SIDEWALK (WISDOT RED) (TYP)

R10.00'

18" WHITE GROOVED EPOXY

36" WHITE GROOVED EPOXY

ADJUST EXISTING VALVE BOX

R10.00'

R25.00'

ASPHALT ROADWAY

COLORED CONCRETE SIDEWALK (WISDOT RED) (TYP)

ADJUST EXISTING VALVE BOX

CONCRETE SIDEWALK

R10.00'

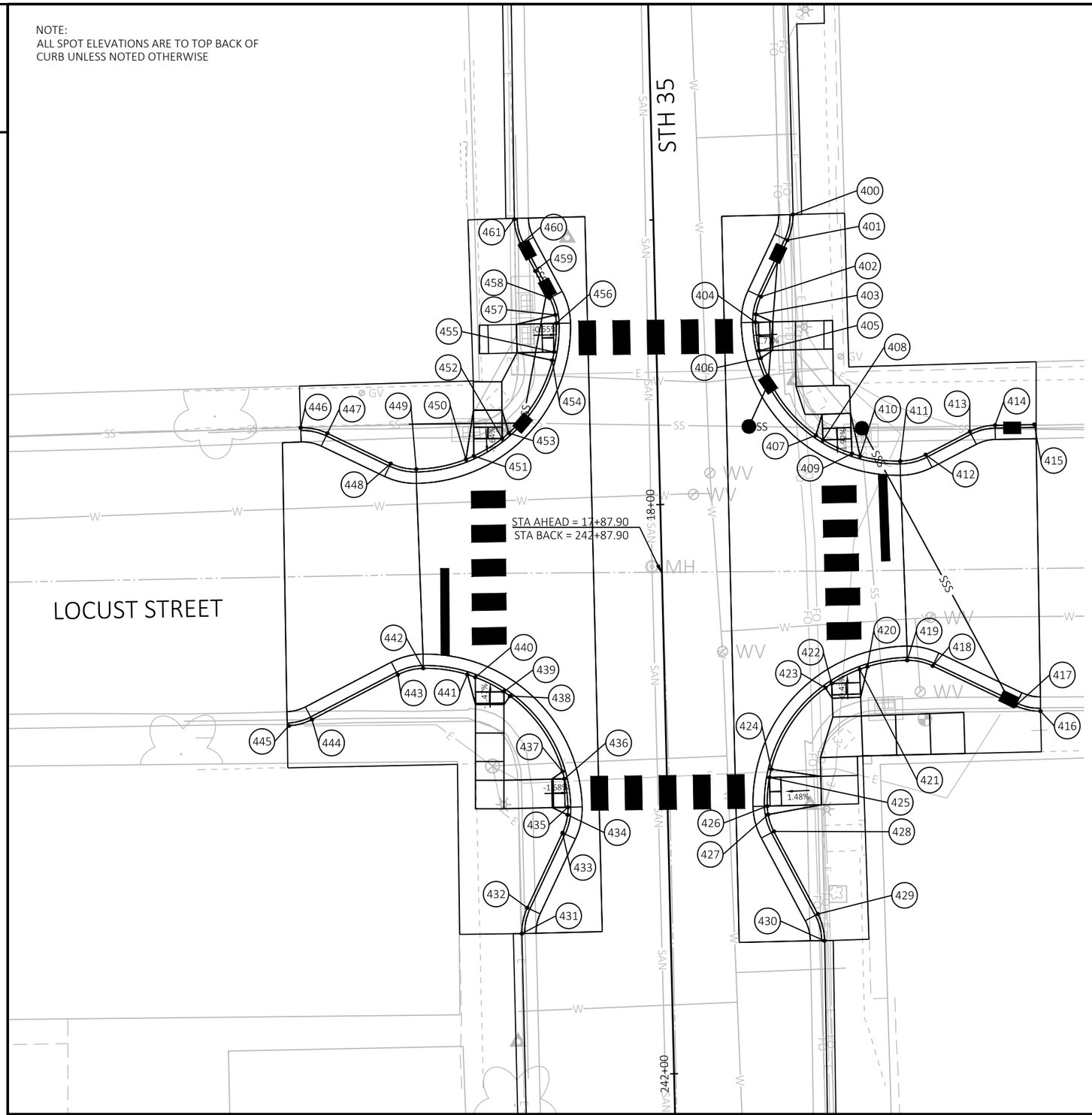
TYPE D CONCRETE CURB AND GUTTER 30" (TYP)

R10.00'

PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	LOCUST STREET	SHEET 55	E

FILE NAME : \\SEHNR.CST.SEHINC.COM\PROJECTS\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO148921 - SITE PLAN.DWG
LAYOUT NAME - LOCUST STREET
PLOT DATE : 9/4/2020 12:57 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

NOTE:
ALL SPOT ELEVATIONS ARE TO TOP BACK OF CURB UNLESS NOTED OTHERWISE



N

10 0 10 20
scale 5 feet

POINT TABLE			
POINT NUMBER	NORTHING	EASTING	ELEVATION
400	342724.523	511024.983	721.53
401	342720.024	511024.036	721.36
402	342710.101	511019.372	720.97
403	342706.985	511018.487	720.86
404	342705.605	511018.425	720.81
405	342700.619	511019.051	720.73
406	342699.328	511019.384	720.68
407	342685.762	511029.037	720.10
408	342684.946	511030.273	720.05
409	342682.545	511035.362	720.11
410	342682.106	511036.790	720.25
411	342681.215	511043.833	720.94
412	342682.345	511048.287	721.11
413	342686.395	511056.061	721.42
414	342687.524	511060.492	721.58
415	342687.652	511067.397	721.82
416	342637.285	511068.473	720.03
417	342638.267	511064.117	719.78
418	342645.249	511049.553	718.95
419	342646.230	511045.064	718.84
420	342645.115	511038.083	718.66
421	342644.647	511036.715	718.62
422	342642.160	511031.801	718.57
423	342641.394	511030.695	718.55
424	342627.106	511021.179	718.30
425	342625.638	511020.871	718.28
426	342620.628	511020.487	718.20
427	342619.135	511020.636	718.03
428	342616.182	511021.651	717.70
429	342601.659	511029.358	717.43
430	342596.971	511030.525	717.35

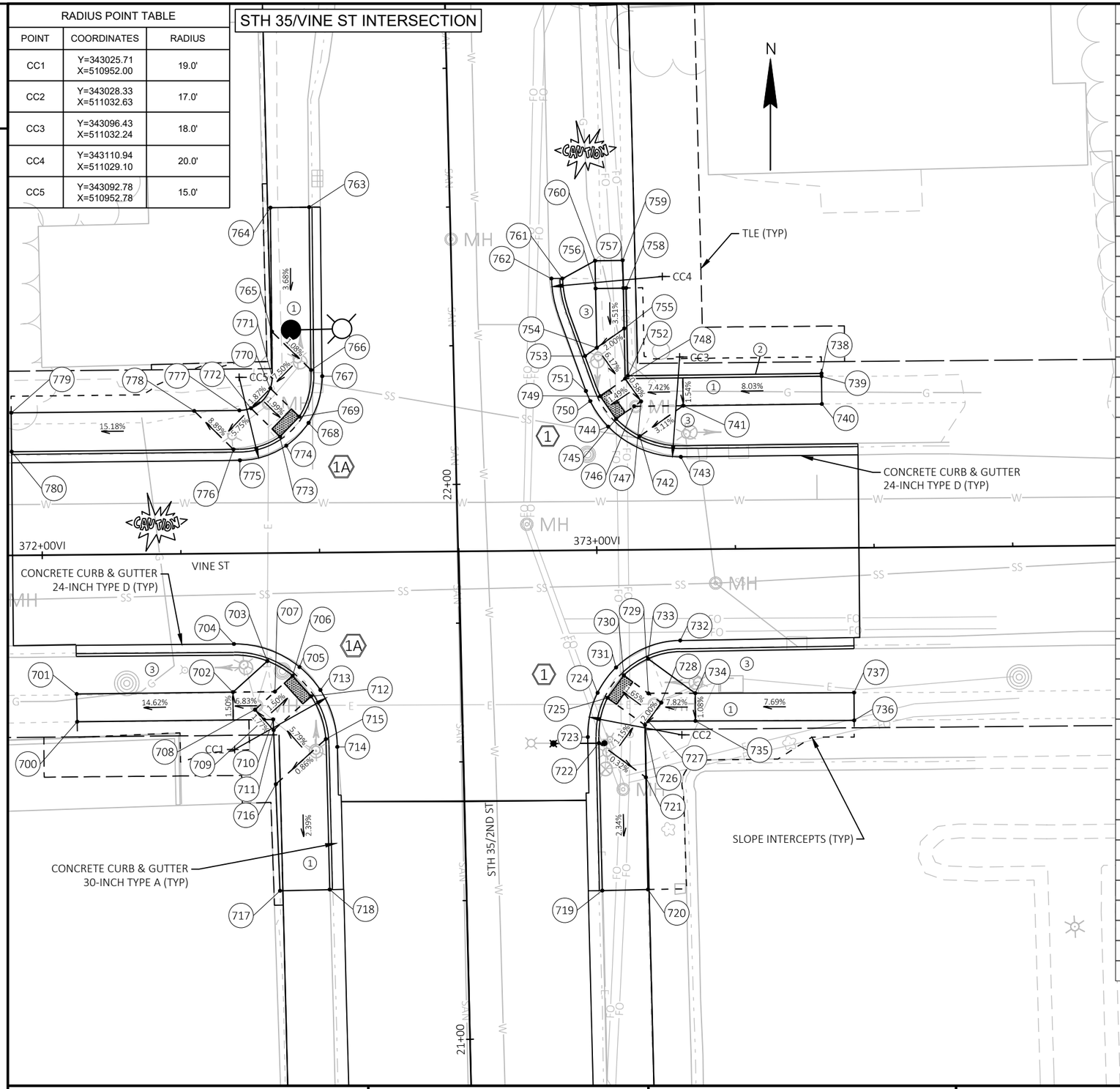
POINT TABLE			
POINT NUMBER	NORTHING	EASTING	ELEVATION
431	342598.232	510977.395	716.76
432	342602.754	510978.341	716.89
433	342615.931	510984.534	717.31
434	342619.082	510985.423	717.72
435	342620.427	510985.481	717.89
436	342625.414	510984.855	717.97
437	342626.668	510984.533	717.95
438	342639.950	510975.315	717.64
439	342640.706	510974.230	717.62
440	342643.249	510969.213	717.54
441	342643.715	510967.843	717.49
442	342644.817	510960.073	717.20
443	342643.688	510955.619	717.03
444	342635.826	510940.531	716.50
445	342634.710	510936.448	716.41
446	342687.085	510938.552	717.60
447	342686.109	510943.244	717.88
448	342680.783	510954.353	718.80
449	342679.802	510958.843	719.23
450	342681.533	510967.577	719.65
451	342682.124	510968.956	719.72
452	342685.190	510973.936	719.80
453	342686.156	510975.084	719.87
454	342698.926	510982.728	720.57
455	342700.394	510983.036	720.64
456	342705.405	510983.420	720.72
457	342706.897	510983.271	720.75
458	342709.850	510982.256	720.81
459	342714.603	510979.733	720.94
460	342719.363	510977.207	721.06
461	342723.705	510976.050	721.33

PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	LOCUST STREET	SHEET 56 E

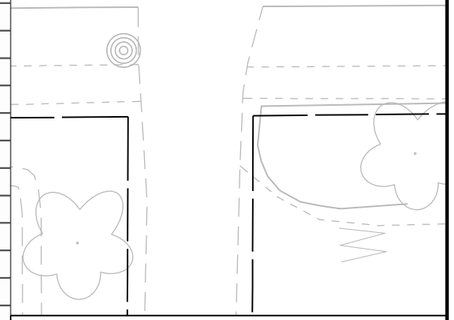
FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO148921 - CURB GRADING.DWG
LAYOUT NAME - LOCUST STREET
PLOT DATE : 9/4/2020 1:00 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1 IN:20 FT

STH 35/VINE ST INTERSECTION

RADIUS POINT TABLE		
POINT	COORDINATES	RADIUS
CC1	Y=343025.71 X=510952.00	19.0'
CC2	Y=343028.33 X=511032.63	17.0'
CC3	Y=343096.43 X=511032.24	18.0'
CC4	Y=343110.94 X=511029.10	20.0'
CC5	Y=343092.78 X=510952.78	15.0'



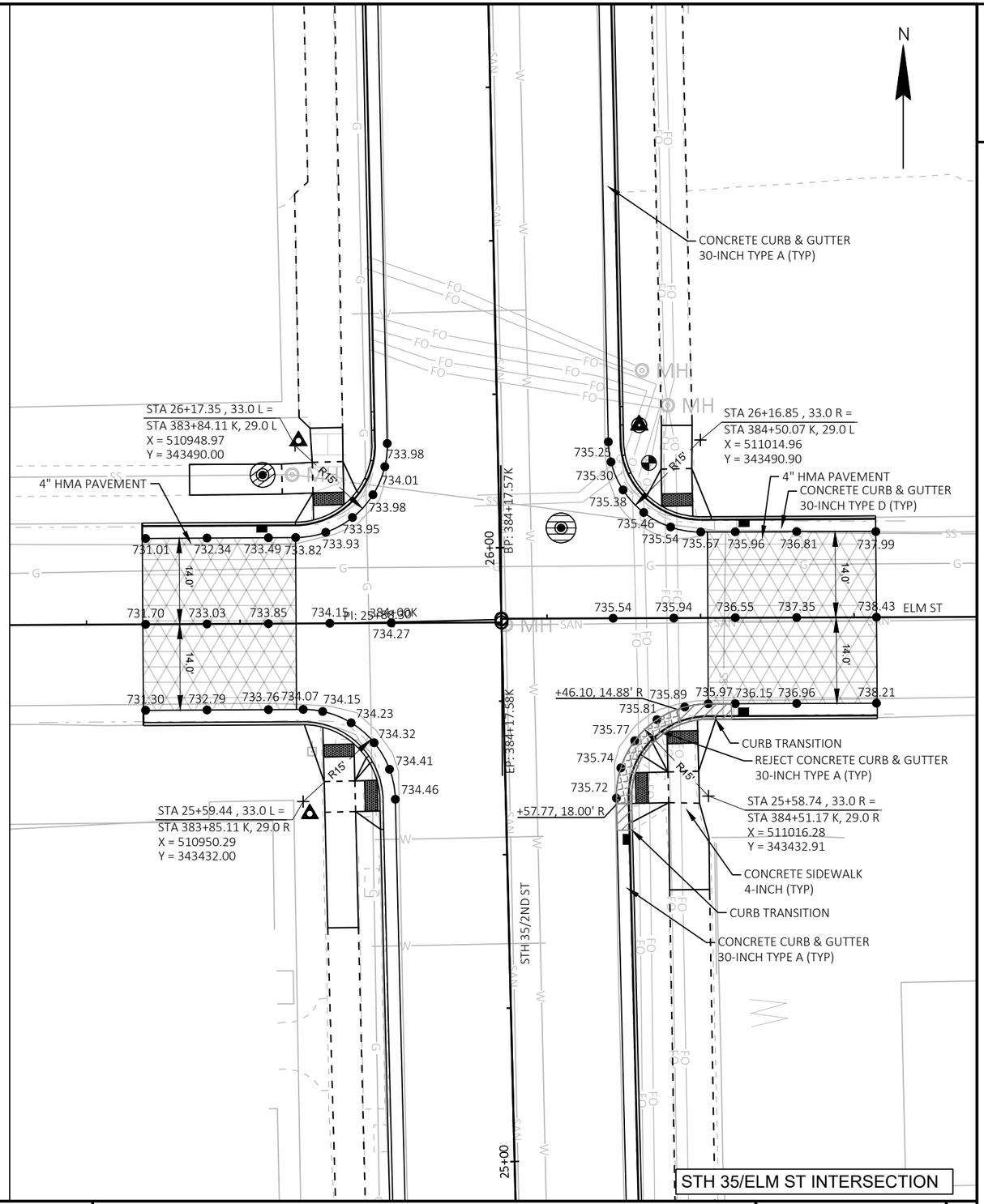
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
700	21+58.90	69.42	343030.70	510923.59	726.81
701	21+63.90	69.39	343035.70	510923.51	726.91
702	21+63.56	41.20	343036.04	510951.69	730.94
703	21+68.99	34.88	343041.62	510957.88	731.34
704	21+72.22	40.83	343044.71	510951.85	730.39
705	21+67.78	29.12	343040.56	510963.67	731.23
706	21+66.25	30.40	343038.99	510962.42	731.18
707	21+63.46	33.64	343036.13	510959.25	731.24
708	21+60.31	37.30	343032.89	510955.66	731.31
709	21+58.49	35.74	343031.10	510957.28	731.36
710	21+58.47	34.08	343031.12	510958.94	731.36
711	21+56.52	34.05	343029.18	510959.01	731.40
712	21+62.46	27.14	343035.28	510965.77	731.27
713	21+63.56	25.44	343036.42	510967.44	731.32
714	21+53.24	22.64	343026.18	510970.50	731.38
715	21+54.69	24.67	343027.58	510968.43	731.85
716	21+46.77	33.89	343019.43	510959.41	731.74
717	21+27.56	33.59	343000.24	510960.18	731.27
718	21+27.57	24.62	343000.46	510969.14	731.20
719	21+26.21	24.49	343000.29	511018.26	732.38
720	21+26.19	32.74	343000.48	511026.51	732.76
721	21+46.40	32.86	343020.68	511026.15	733.10
722	21+52.79	24.53	343026.86	511017.66	733.13
723	21+53.91	22.54	343027.94	511015.65	732.72
724	21+61.83	24.50	343035.91	511017.42	732.95
725	21+60.90	26.27	343035.02	511019.21	732.90
726	21+55.80	32.92	343030.08	511025.98	733.06
727	21+56.53	33.48	343030.82	511026.51	733.08
728	21+59.77	35.96	343034.12	511028.92	733.16
729	21+61.53	33.67	343035.82	511026.59	733.14
730	21+64.87	29.31	343039.06	511022.15	733.08
731	21+66.33	27.95	343040.49	511020.75	733.14
732	21+70.89	39.64	343045.32	511032.33	733.59
733	21+67.74	33.78	343042.04	511026.55	733.80
734	21+61.35	42.12	343035.85	511035.04	733.70
735	21+56.35	42.02	343030.85	511035.06	733.64
736	21+55.75	70.64	343030.95	511063.69	735.92
737	21+60.75	70.75	343035.95	511063.67	735.82
738	22+18.38	66.27	343093.45	511057.80	736.40
739	22+17.88	66.26	343092.95	511057.80	736.40
740	22+12.88	66.20	343087.95	511057.86	736.23
741	22+13.18	41.20	343087.65	511032.87	734.27
742	22+07.88	33.22	343082.15	511025.02	733.97
743	22+03.98	40.55	343078.43	511032.44	733.55
744	22+09.74	27.58	343083.88	511019.33	733.62
745	22+11.10	29.05	343085.27	511020.76	733.57
746	22+13.29	32.34	343087.54	511024.00	733.63
747	22+14.15	33.62	343088.43	511025.26	733.65
748	22+18.31	30.85	343092.52	511022.40	733.68
749	22+15.27	26.28	343089.37	511017.90	733.60
750	22+14.41	24.47	343088.47	511016.11	733.65
751	22+16.25	23.72	343090.29	511015.31	733.66
752	22+18.80	31.36	343093.03	511022.89	734.20
753	22+22.57	23.71	343096.60	511015.15	734.13
754	22+24.01	25.88	343098.10	511017.28	734.13
755	22+27.34	30.89	343101.55	511022.22	734.25
756	22+34.66	25.93	343108.74	511017.07	734.40
757	22+34.64	30.93	343108.84	511022.07	734.61
758	22+34.63	31.43	343108.85	511022.57	734.64
759	22+39.64	30.91	343113.84	511021.93	734.65
760	22+39.66	25.95	343113.74	511016.97	734.34
761	22+36.61	19.97	343110.55	511011.07	734.56
762	22+36.65	18.00	343110.55	511009.10	734.16
763	22+50.57	25.35	343123.41	510965.42	733.16
764	22+50.66	32.35	343123.33	510958.42	733.42
765	22+28.33	32.63	343101.00	510958.68	732.54
766	22+21.23	25.72	343094.07	510965.76	732.43
767	22+20.07	23.74	343092.96	510967.78	732.03
768	22+11.73	26.40	343084.55	510965.32	731.60
769	22+12.87	28.05	343085.65	510963.65	731.55
770	22+18.10	33.14	343090.76	510958.42	731.69
771	22+20.19	32.74	343092.85	510958.78	731.87
772	22+14.61	36.72	343087.18	510954.93	731.60
773	22+09.38	31.63	343082.08	510960.15	731.45
774	22+07.70	30.53	343080.43	510961.28	731.50
775	22+05.26	38.94	343077.79	510952.94	731.14
776	22+07.28	40.05	343079.77	510951.78	731.43



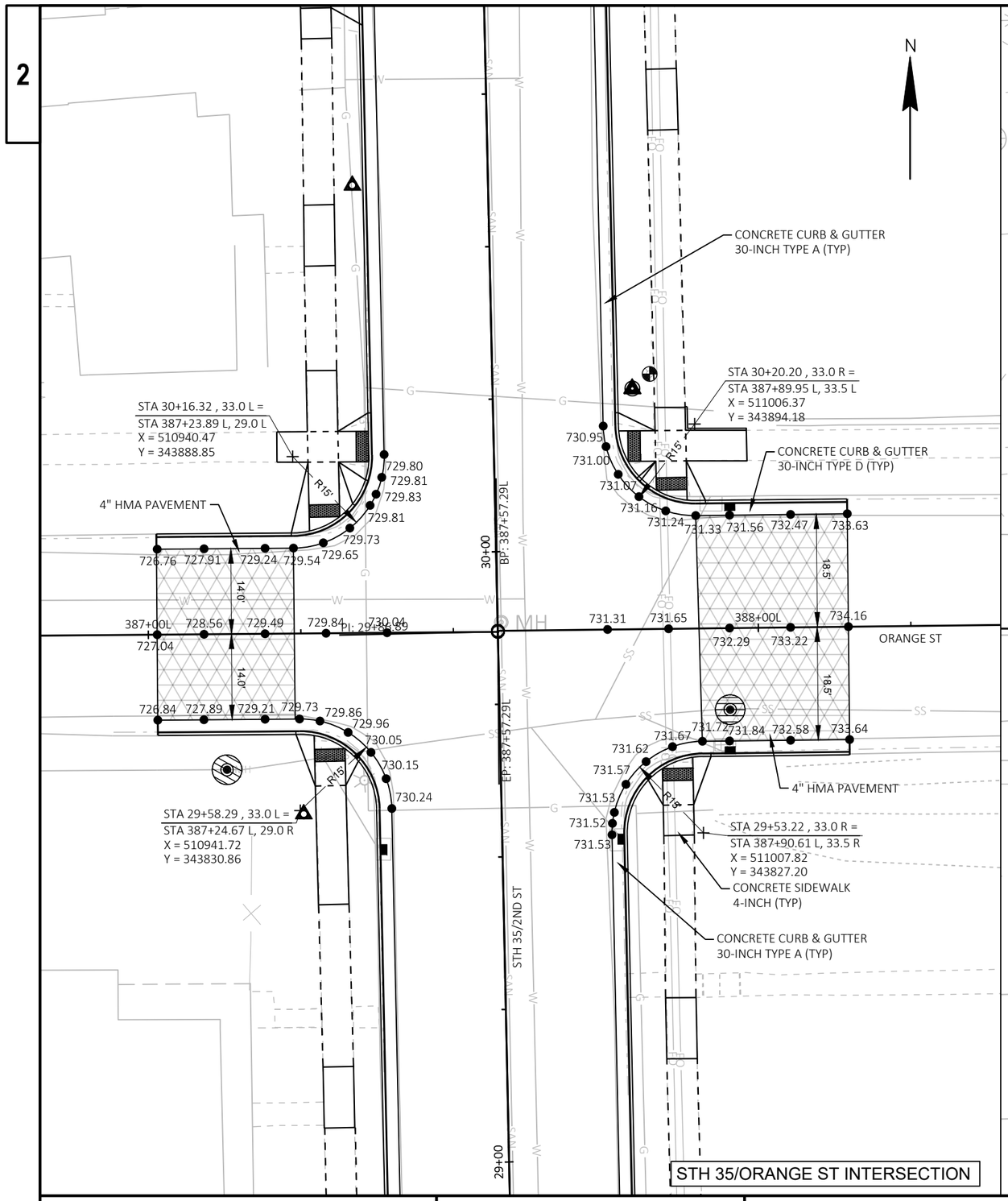
LEGEND

- DIRECTION OF SLOPE (TYP)
- DETECTABLE WARNING FIELD (NATURAL PATINA)
- (X) CURB RAMP TYPE AS PER WISDOT SDD 8D5
- (1) CONCRETE SIDEWALK 4-INCH
- (2) CONCRETE CURB, PEDESTRIAN
- (3) GRASS OR OTHER NON-WALKABLE SURFACE

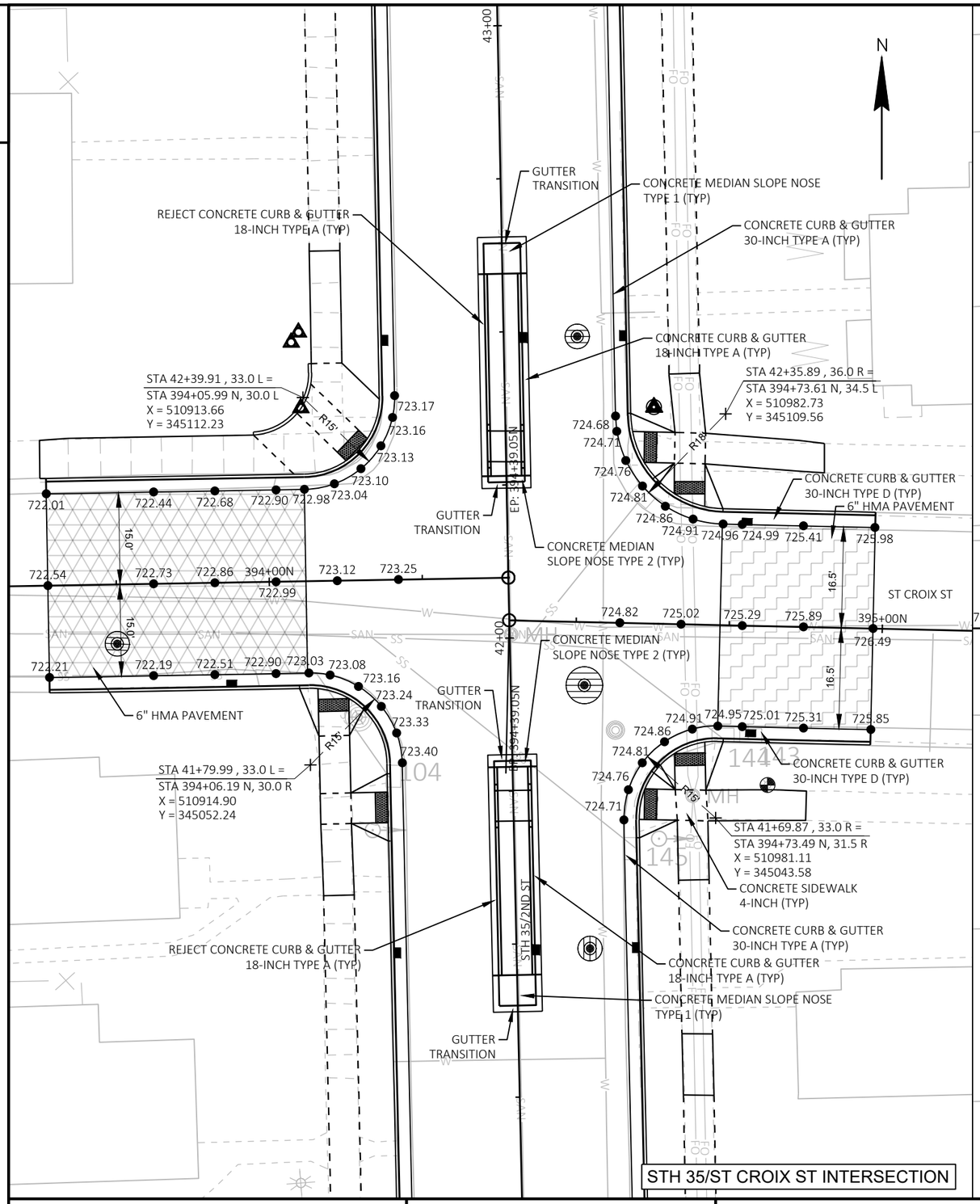
PROJECT NO: 8080-02-60/72	HWY: STH 35	COUNTY: ST CROIX	INTERSECTION DETAILS	SHEET 57	E

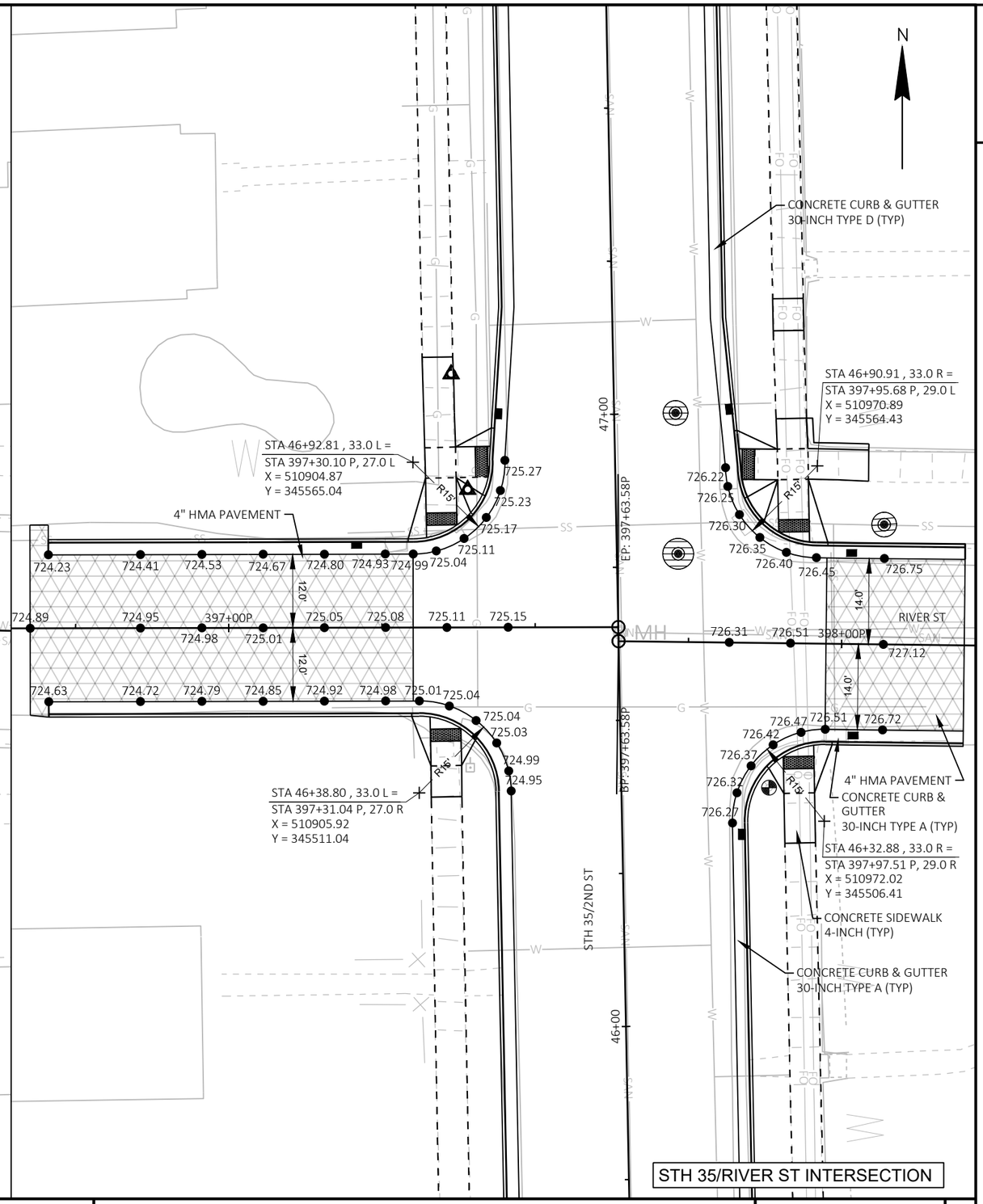


PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	INTERSECTION DETAILS	SHEET 58	E



PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	INTERSECTION DETAILS	SHEET 59	E





PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	INTERSECTION DETAILS	SHEET 60	E

CONCRETE SIDEWALK 4-INCH

STA 51+49.00 , 30.0 L =
STA 399+55.19 Q, 28.2 L
X = 510898.99
Y = 346021.19

727.64 727.66 727.65 727.61 727.53 727.45 727.39 727.33 727.15 726.80

PT: 399+30.69Q

13.5' 13.5'

726.72 727.37 727.53 727.64 727.74

PC: 51+20.77

726.65 727.12 727.37 727.47 727.52 727.60 727.68 727.71 727.73

4" HMA PAVEMENT

R15'

STA 50+91.99 , 31.0 L =
STA 399+55.15 Q, 28.8 R
X = 510899.11
Y = 345964.19

52+00

EP: 399+85.67Q

51+00

BP: 399+85.67Q

STH 35/2ND ST

CONCRETE SIDEWALK 4-INCH

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

STA 51+47.86 , 30.0 R =
STA 400+14.79 Q, 29.0 L
X = 510959.00
Y = 346021.25

728.10 728.14 728.22 728.31 728.40 728.57 728.89 729.77 730.71 731.56

R15'

4" HMA PAVEMENT

400+00Q

728.35 728.64 729.21 730.07 731.02 732.14

14.0' 14.0'

DIVISION ST

728.59 728.66 728.84 729.66 730.67 731.69

728.50 728.41 728.44 728.46

R15'

CONCRETE SIDEWALK
4-INCH (TYP)

STA 50+89.83 , 31.0 R =
STA 400+17.57 Q, 29.0 R
X = 510961.14
Y = 345963.24

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

STH 35/DIVISION ST INTERSECTION

CONCRETE SIDEWALK 4-INCH

STA 62+60.26 , 42.0 L =
STA 404+69.28 S, 31.8 L
X = 510869.64
Y = 347133.93

696.56 696.58 696.60 696.62 696.65 696.73 696.93 697.25 697.45

R22'

NORTH ST

9.8'

698.13 697.65 697.19 696.90 696.70

405+00S

EP: 405+12.82S

10.3'

697.52 697.25 697.12 697.09 697.05 697.01 696.96 696.92 696.87 696.83

4" HMA PAVEMENT

R22'

STA 61+96.60 , 37.0 L =
STA 404+77.36 S, 32.1 R
X = 510873.44
Y = 347069.63

62+00

BP: 402+00.00R

61+00

STH 35/2ND ST

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

CONCRETE SIDEWALK 4-INCH

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

CONCRETE SIDEWALK 4-INCH

CONCRETE SIDEWALK
4-INCH (TYP)

STA 61+95.98 , 42.0 R =
STA 402+32.43 R, 45.4 L
X = 510952.43
Y = 347068.10

696.56 696.58 696.61 696.64 696.68 696.73 696.95 696.90 697.10 697.38 697.84 698.18 698.41 698.48 699.40 700.17

R22'

PC: 402+24.78R

PT: 402+47.33R

4" HMA PAVEMENT

EP: 402+84.49R

697.59 697.86 698.24 697.40 698.65 697.30 699.06 697.22 699.31 699.92 697.14 699.86 697.12 697.10

R23.0'

SHOP RD

CONCRETE CURB & GUTTER
30-INCH TYPE D (TYP)

STA 61+08.15 , 41.8 R =
STA 402+66.29 R, 31.5 R
X = 510952.10
Y = 346981.07

CONCRETE SIDEWALK 4-INCH

STH 35/SHOP RD INTERSECTION

STH 35/NORTH ST INTERSECTION

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	INTERSECTION DETAILS	SHEET 61	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - 021104-id
PLOT DATE : 7/29/2020 1:02 PM
PLOT BY : WOOLEVER, NATHAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

CONCRETE SIDEWALK 4-INCH

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

STA 70+07.11 , 44.0 R =
STA 406+44.89 T, 35.5 L
X = 510998.39
Y = 347875.75

R22'

720.81
720.56
720.30
720.08
719.94
719.87
719.81
719.75
719.77
719.74
720.10
720.36

4" HMA PAVEMENT

BP: 406+00.00T

70+00

718.78
718.83
718.96
719.31
719.79
720.06

13.5'
13.5'

SOUTH ST

717.56
717.37
717.28
717.17
716.87
716.66
717.82
718.08
718.60
719.00
719.24

CONCRETE CURB & GUTTER
30-INCH TYPE D (TYP)

R22'

STA 69+36.04 , 42.0 R =
STA 406+41.14 T, 35.5 R
X = 510992.04
Y = 347804.93

CONCRETE SIDEWALK
4-INCH (TYP)

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

CONCRETE SIDEWALK 4-INCH

STH 35/6TH ST

69+00

STH 35/SOUTH ST INTERSECTION

STA 74+01.74 , 52.0 L =
STA 408+67.32 U, 52.0 L
X = 510924.24
Y = 348273.23

R36'

736.26
736.07
735.89
735.75
735.64
735.55
735.45
735.33
735.18
735.01

5" HMA PAVEMENT

733.88
734.19
734.51
734.69
734.85

16.0'
16.0'

734.34
734.60
734.77
734.84
734.89
734.94
734.99

733.73
734.07
734.24
734.27
734.25
734.20
734.13
734.07
734.00
733.93
733.87
733.80
733.71
733.60
733.46
733.31

R40'

STA 72+91.12 , 56.0 L =
STA 408+60.81 U, 56.0 R
X = 510915.98
Y = 348165.35

CONCRETE SIDEWALK 4-INCH

74+00

EP: 409+19.36U

BP: 409+19.36U

73+00

STH 35/6TH ST

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

CONCRETE SIDEWALK
4-INCH (TYP)

STA 73+79.31 , 31.0 R =
STA 409+50.38 U, 30.5 L
X = 511006.88
Y = 348249.52

R15'

736.30
736.23
736.16
736.12
736.10
736.08
736.07
736.30
736.60
736.78

4" HMA PAVEMENT

15.5'
15.5'

735.41
735.57
735.79
736.16
736.57
736.98

WISCONSIN ST

734.97
735.20
735.63
736.18
736.58
734.78
734.62
734.52
734.43
734.34
734.23

CONCRETE CURB & GUTTER
30-INCH TYPE D (TYP)

R22'

STA 73+13.11 , 40.0 R =
STA 409+57.65 U, 37.5 R
X = 511013.15
Y = 348181.42

CONCRETE SIDEWALK 4-INCH

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

STH 35/WISCONSIN ST INTERSECTION

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	INTERSECTION DETAILS	SHEET 62	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - 021105-id

PLOT DATE : 7/29/2020 1:03 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:20 FT

N

81+00

STA 80+36.18 , 31.0 L =
STA 411+70.25 V, 28.0 L
X = 510955.08
Y = 348907.27

4" HMA PAVEMENT

739.52 739.94 740.09 740.18 740.23 740.24 740.19 740.14

739.79 740.22 740.35 740.47

739.53 740.08 740.23 740.31 740.41 740.50 740.59 740.67

R15'

13.0'

13.0'

EP: 412+01.29V

412+00V

MH

741.28 741.47 741.76 742.22 742.48

15.5'

ST CROIX ST N

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

STA 80+40.41 , 34.0 R =
STA 412+35.20 V, 33.5 L
X = 511020.14
Y = 348910.49

R18'

740.88 740.93 741.01 741.11 741.19 741.29 741.43 741.49 741.79 742.06

CONCRETE CURB & GUTTER
30-INCH TYPE D (TYP)

80+00

BP: 412+01.29V

STH 35/6TH ST

741.65 741.68 741.73 741.89 742.06

741.61 741.58 741.58 741.60

4" HMA PAVEMENT

R15'

STA 79+80.18 , 31.0 L =
STA 411+70.33 V, 28.0 R
X = 510954.21
Y = 348851.27

STA 79+76.41 , 31.0 R =
STA 412+32.37 V, 30.5 R
X = 511016.14
Y = 348846.55

CONCRETE SIDEWALK
4-INCH (TYP)

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

STH 35/ST CROIX ST N INTERSECTION

STA 84+79.01 , 58.0 L =
STA 419+90.98 W, 58.4 L
X = 510937.56
Y = 349352.92

R42'

744.00 743.89 743.72 743.51 743.30 743.14 743.04 742.95 742.83 742.68 742.49 742.28 742.07 741.88

16.5'

741.50 420+00W 741.98 742.48 742.85 743.06

16.0'

741.04 741.08 741.14 741.22 741.30 741.39 741.48 741.57 741.65 741.74 741.81 741.80 741.73

5" HMA PAVEMENT

R40'

STA 83+67.12 , 57.0 L =
STA 419+90.69 W, 56.0 R
X = 510934.18
Y = 349238.57

CONCRETE SIDEWALK 4-INCH

85+00

EP: 420+47.12W

84+00

BP: 420+47.12W

STH 35/6TH ST

743.70 743.89 744.09 421+00W 744.34 744.59

MONROE ST N

16.0'

744.13 744.31 744.41

743.92 743.70 743.47 743.24 743.06 742.96 742.88 742.80 742.71 742.57 742.48

5" HMA PAVEMENT

R40'

STA 83+65.13 , 60.0 R =
STA 421+07.49 W, 56.0 R
X = 511051.17
Y = 349234.77

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

STH 35/MONROE ST N INTERSECTION

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

STA 84+79.88 , 62.0 R =
STA 421+11.25 W, 56.0 L
X = 511057.40
Y = 349346.66

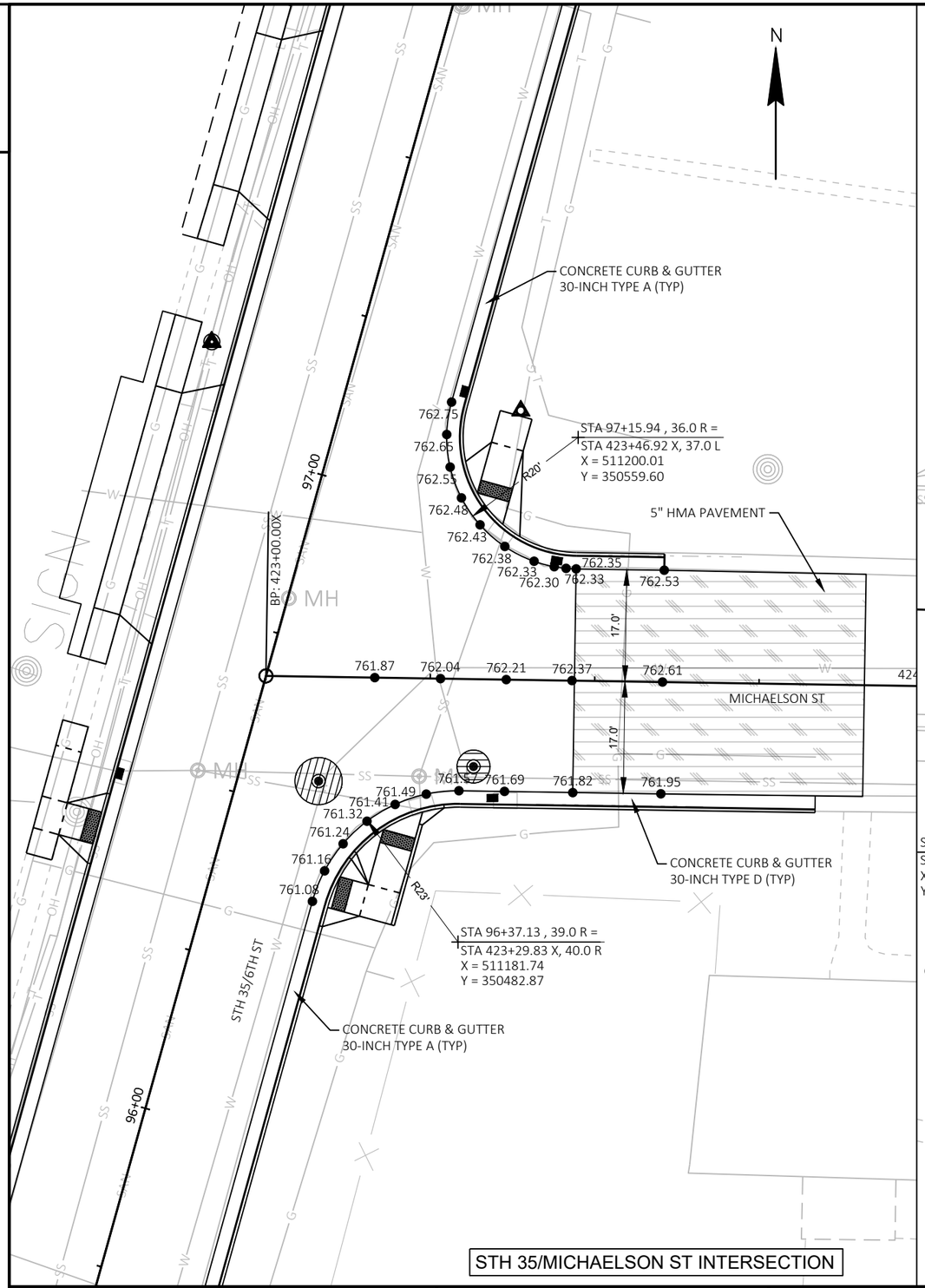
R40'

CONCRETE SIDEWALK
4-INCH (TYP)

744.40 744.36 744.32 744.30 744.27 744.24 744.22 744.19 744.16 744.13 744.14 744.23 744.36

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	INTERSECTION DETAILS	SHEET 63	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - 021106-id
PLOT DATE : 7/30/2020 3:34 PM
PLOT BY : RESHESKE, CARRIE
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	INTERSECTION DETAILS	SHEET 64	E

2

2

BP: 17+87.90

18+00 19+00 20+00 STH 35/2ND ST 21+00 22+00 23+00

381+00

382+00

VINE ST

BEGIN PROJECT 8080-07-70
END PROJECT 8080-02-30
STA 22+20.80

732.12 732.81 732.82 732.89 733.29 733.30 733.47 733.64
733.45 733.50 733.49 733.60 734.08
733.76 733.86 733.97 734.19 734.36
733.89 734.16 734.25 734.44 734.62 734.73 734.90

24' 12' 18'

STA 22+57 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (45')

STA 23+06 (CONCRETE)
CONSTRUCT DRIVEWAY
TYPE Y (28')

N

NOTE:
SEE INTERSECTION DETAILS FOR ADDITIONAL PAVING GRADES AT INTERSECTION.

LEGEND

- CONCRETE SIDEWALK 4-INCH (WisDOT)
- CONCRETE SIDEWALK 4-INCH (CITY OF HUDSON)
- CONCRETE SIDEWALK 6-INCH (CITY OF HUDSON)
- CONCRETE DRIVEWAY 6-INCH
- 3" ASPHALTIC SURFACE DRIVEWAY
- 4" HMA PAVEMENT
- 5" HMA PAVEMENT
- 6" HMA PAVEMENT

STA 23+67 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (12')

CURB CUT
STA 26+14.56, -20.30L
CURB CUT
STA 26+19.56, -20.00L

CURB CUT
STA 26+19.56, 20.00R
CURB CUT
STA 26+14.56, 20.22R

BP: 25+88.30

384+00

385+00

ELM ST

SIGN

733.64 733.81 733.99 734.16 734.33 734.48 734.56 734.57 734.50 734.46 734.37 734.17 733.98 733.89 733.56 733.22 732.90 732.60 732.33 732.07 731.82 731.56 731.31 731.05 730.80 730.54 730.29 730.24

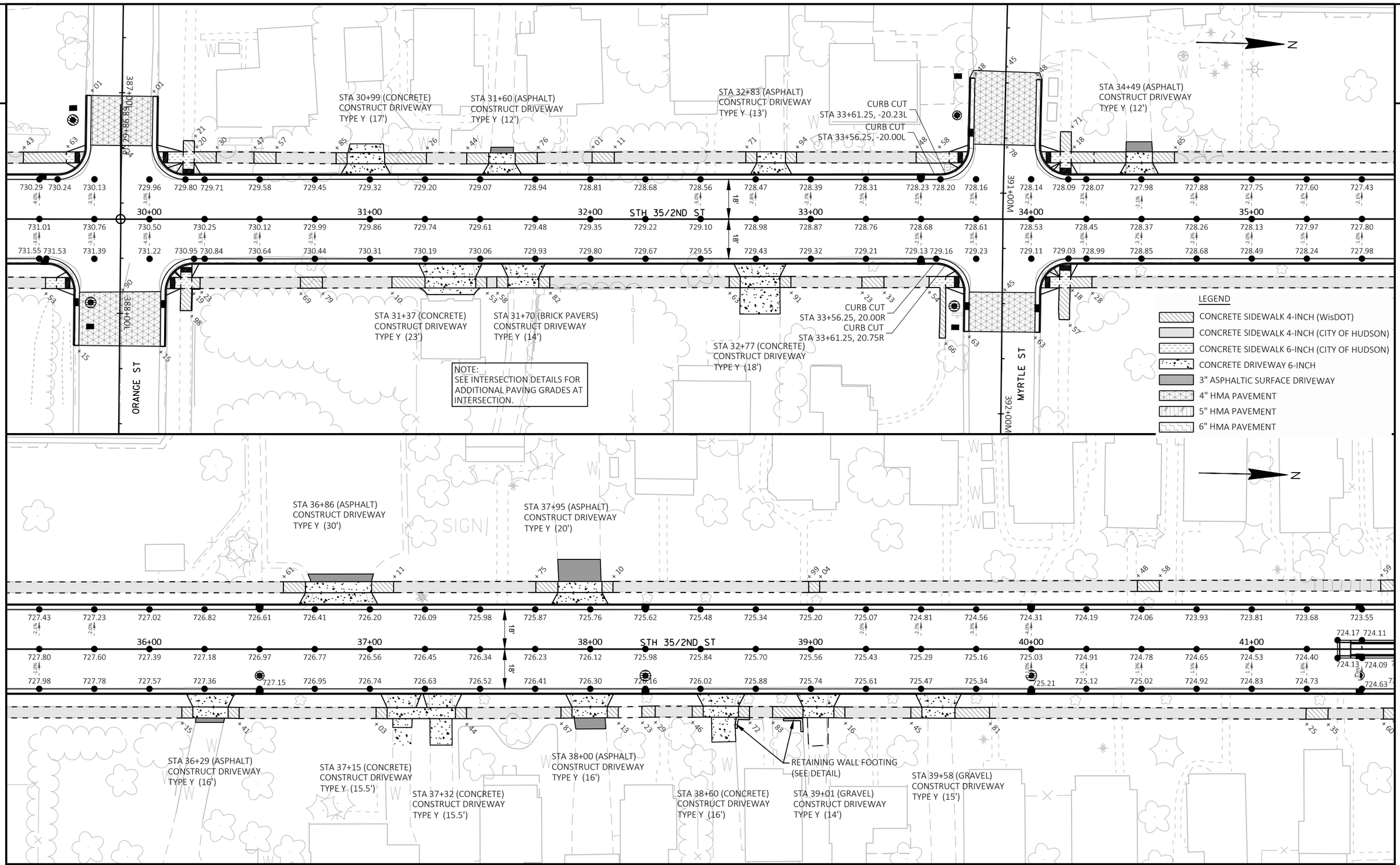
734.36 734.53 734.71 734.88 735.05 735.20 735.28 735.29 735.22 735.09 734.89 734.61 734.28 733.94 733.62 733.32 733.05 732.79 732.54 732.28 732.03 731.77 731.52 731.26 731.01

734.90 735.07 735.25 735.42 735.59 735.74 735.82 735.83 735.76 735.72 735.63 735.43 735.25 735.15 734.82 734.48 734.16 733.86 733.59 733.33 733.08 732.82 732.57 732.31 732.06 731.80 731.55 731.53

24+00 25+00 STH 35/2ND ST 26+00 27+00 28+00 29+00

18' 18'

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	PAVING DETAILS	SHEET 65	E



PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	PAVING DETAILS	SHEET 66	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021202-pd

PLOT DATE : 7/30/2020 3:40 PM PLOT BY : RESHESKE, CARRIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE:
SEE INTERSECTION DETAILS FOR ADDITIONAL PAVING GRADES AT INTERSECTION.

STH 35/2ND ST

ST CROIX ST

RIVER ST

RETAINING WALL FOOTING (SEE DETAIL)

STA 48+33 (GRAVEL)
CONSTRUCT DRIVEWAY
TYPE Y (12')

STA 49+44 (CONCRETE)
CONSTRUCT DRIVEWAY
TYPE Y (12')

LEGEND

- CONCRETE SIDEWALK 4-INCH (WisDOT)
- CONCRETE SIDEWALK 4-INCH (CITY OF HUDSON)
- CONCRETE SIDEWALK 6-INCH (CITY OF HUDSON)
- CONCRETE DRIVEWAY 6-INCH
- 3" ASPHALTIC SURFACE DRIVEWAY
- 4" HMA PAVEMENT
- 5" HMA PAVEMENT
- 6" HMA PAVEMENT

NOTE:
SEE INTERSECTION DETAILS FOR ADDITIONAL PAVING GRADES AT INTERSECTION.

DIVISION ST

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	PAVING DETAILS	SHEET 67	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021203-pd

PLOT DATE : 10/1/2020 11:45 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

N

+94 +04 +46 +62 +72

722.59 721.41 720.21 718.85 717.40 715.94 714.44 712.90 711.30 709.66 708.02 706.37 704.82 703.43 702.21 701.15 700.26 699.53 698.96 698.56 698.32 698.20 698.09 697.98 697.87

54+00 55+00 56+00 STH 35/2ND ST 57+00 58+00 59+00

15'

722.89 721.71 720.51 719.15 717.70 716.24 714.74 713.20 711.60 709.96 708.32 706.67 705.12 703.73 702.51 701.45 700.56 699.83 699.26 698.86 698.62 698.50 698.39 698.28 698.17

720.21

722.59 721.41 718.85 717.40 715.94 714.44 712.90 711.30 709.66 708.02 706.37 704.82 703.43 702.21 701.15 700.26 699.53 698.96 698.56 698.32 698.20 698.09 697.98 697.86

15'

+93 +06 +53 +69

UNION PACIFIC RR OVERPASS

LEGEND

- CONCRETE SIDEWALK 4-INCH (WisDOT)
- CONCRETE SIDEWALK 4-INCH (CITY OF HUDSON)
- CONCRETE SIDEWALK 6-INCH (CITY OF HUDSON)
- CONCRETE DRIVEWAY 6-INCH
- 3" ASPHALTIC SURFACE DRIVEWAY
- 4" HMA PAVEMENT
- 5" HMA PAVEMENT
- 6" HMA PAVEMENT

N

NORTH ST

NOTE:
SEE INTERSECTION DETAILS FOR ADDITIONAL PAVING GRADES AT INTERSECTION.

+55 +55 +57

RETAINING WALL FOOTING (SEE DETAIL)

+73 +89 +01 +03

LAKE MALLALIEU/WILLOW RIVER

CONCRETE PAVEMENT APPROACH SLAB

+66 +78

+2

697.87 697.76 697.66 697.55 697.45 697.34 697.24 697.13 697.03 696.92 696.83 696.73 696.60 696.56 696.59 696.89 697.26 697.69 698.29 699.06 699.25 699.86

-2.0% -2.0% -1.9% -1.9% -1.9% -1.9% -1.8% -1.8% -1.3% -0.5% -0.5% -1.2% -1.6% -2.0%

405+00S

20'

60+00 61+00 62+00 STH 35/2ND ST 63+00 64+00 65+00

698.17 698.07 697.96 697.85 697.74 697.63 697.52 697.41 697.30 697.11 696.93 696.81 696.83 696.99 697.29 697.66 698.09 698.69 699.46 700.29

20'

697.86 697.74 697.62 697.50 697.38 697.26 697.14 697.11 697.06 696.92 696.72 696.56 696.53 696.41 696.43 696.59 696.89 697.26 697.69 698.29 699.06 699.25 699.86

MH

SIGN

SIGN

SIGN

RIPRAP

STRUCTURE B-55-73

+01 +58 +67 +09 +73 +17

SHOP RD

BEGIN PROJECT 8080-07-70
END PROJECT 8080-05-70
STA 64+29.50

PROJECT NO: 8080-07-70/8080-05-70	HWY: STH 35	COUNTY: ST CROIX	PAVING DETAILS	SHEET 68	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021204-pd

PLOT DATE : 10/1/2020 11:45 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

CONCRETE PAVEMENT APPROACH SLAB

66+00 67+00 68+00 STH 35/6TH ST 69+00 70+00 71+00

STRUCTURE B-55-73

LAKE MALLALIEU/WILLOW RIVER

NOTE:
SEE INTERSECTION DETAILS FOR ADDITIONAL PAVING GRADES AT INTERSECTION.

SOUTH ST

STA 71+02 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (16')

LEGEND

- CONCRETE SIDEWALK 4-INCH (WisDOT)
- CONCRETE SIDEWALK 4-INCH (CITY OF HUDSON)
- CONCRETE SIDEWALK 6-INCH (CITY OF HUDSON)
- CONCRETE DRIVEWAY 6-INCH
- 3" ASPHALTIC SURFACE DRIVEWAY
- 4" HMA PAVEMENT
- 5" HMA PAVEMENT
- 6" HMA PAVEMENT

NOTE:
SEE INTERSECTION DETAILS FOR ADDITIONAL PAVING GRADES AT INTERSECTION.

STA 74+71 (CONCRETE)
CONSTRUCT DRIVEWAY
TYPE Y (12')

STA 75+20 (CONCRETE)
CONSTRUCT DRIVEWAY
TYPE Y (13')

STA 75+92 (GRAVEL)
CONSTRUCT DRIVEWAY
TYPE Y (13')

STA 76+79 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (13')

STA 77+06 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (25')

72+00 73+00 74+00 75+00 STH 35/6TH ST 76+00 77+00

WISCONSIN ST

STA 74+96 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (22')

STA 76+19 (GRAVEL)
CONSTRUCT DRIVEWAY
TYPE Y (15')

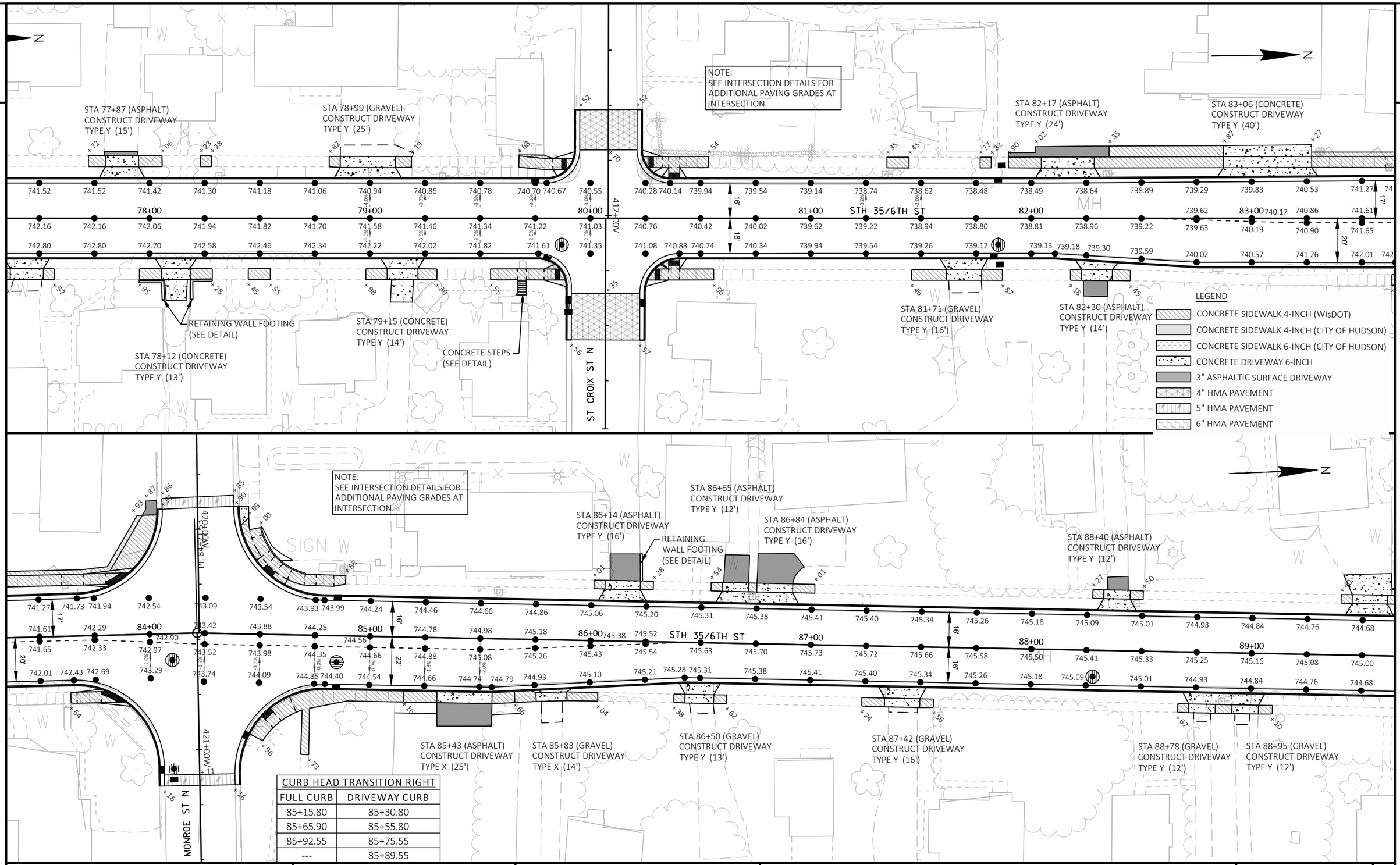
STA 76+43 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (15')

STA 77+45 (GRAVEL)
CONSTRUCT DRIVEWAY
TYPE Y (15')

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	PAVING DETAILS	SHEET 69	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021205-pd

PLOT DATE : 7/29/2020 1:11 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT



CURB HEAD TRANSITION RIGHT	
FULL CURB	DRIVEWAY CURB
85+15.80	85+30.80
85+65.90	85+55.80
85+92.55	85+75.55
---	85+89.55

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	PAVING DETAILS	SHEET 70	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021206-pd
PLOT DATE : 7/29/2020 1:12 PM
PLOT BY : WOOLEVER, NATHAN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

STA 89+74 (CONCRETE)
CONSTRUCT DRIVEWAY
TYPE Y (12')

STA 89+53 (CONCRETE)
CONSTRUCT DRIVEWAY
TYPE Y (16')

TOP OF PEDESTRIAN CURB TO MATCH EXISTING WALL
TAPER TO MATCH EDGE OF NEIGHBORING DRIVEWAY

STA 90+93 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (14')

PC: 91+03.59

STA 91+23 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (23')

STA 92+52 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (13.5')

STA 93+34 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (24')

PT: 94+07.89

STA 94+50 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (16')

STH 35/6TH ST

STA 90+41 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (16')

STA 91+12 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (16')

STA 92+37 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (14')

STA 93+86 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (15')

STA 94+75 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (25')

LEGEND

- CONCRETE SIDEWALK 4-INCH (WisDOT)
- CONCRETE SIDEWALK 4-INCH (CITY OF HUDSON)
- CONCRETE SIDEWALK 6-INCH (CITY OF HUDSON)
- CONCRETE DRIVEWAY 6-INCH
- 3" ASPHALTIC SURFACE DRIVEWAY
- 4" HMA PAVEMENT
- 5" HMA PAVEMENT
- 6" HMA PAVEMENT

STA 95+63 (CONCRETE)
CONSTRUCT DRIVEWAY
TYPE Y (14')

STA 96+89 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (35')

STA 97+50 (GRAVEL)
CONSTRUCT DRIVEWAY
TYPE Y (24')

STA 98+35 (GRAVEL)
CONSTRUCT DRIVEWAY
TYPE Y (20')

STA 99+80 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (13')

STA 100+20 (GRAVEL)
CONSTRUCT DRIVEWAY
TYPE Y (12')

STA 101+41 (GRAVEL)
CONSTRUCT DRIVEWAY
TYPE Y (13')

STA 95+64 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (15')

STA 97+95 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (14')

STA 98+98 (GRAVEL)
CONSTRUCT DRIVEWAY
TYPE Y (12')

STA 100+38 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (15')

STA 101+15 (CONCRETE)
CONSTRUCT DRIVEWAY
TYPE Y (16')

MICHAELSON ST

NOTE:
SEE INTERSECTION DETAILS FOR
ADDITIONAL PAVING GRADES AT
INTERSECTION.

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	PAVING DETAILS	SHEET 71	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021207-pd
PLOT DATE : 7/30/2020 3:43 PM
PLOT BY : RESHESKE, CARRIE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

STA 102+12 (GRAVEL)
CONSTRUCT DRIVEWAY
TYPE Y (12')

STA 103+06 (GRAVEL)
CONSTRUCT DRIVEWAY
TYPE Y (12')

STA 103+70 (GRAVEL)
CONSTRUCT DRIVEWAY
TYPE Y (16')

STA 104+46 (GRAVEL)
CONSTRUCT DRIVEWAY
TYPE Y (12')

STA 106+47 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (14')

STA 106+73 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (14')

+53 +96 +26 +91 +21 +55 +89 +29 +62 +30 +90

774.69 775.13 775.44 775.75 776.04 776.30 776.51 776.67 776.80 776.93 777.10 777.31 777.56 777.83 778.11 778.38 778.65 778.92 779.20 779.47 779.74 780.02 780.29 780.52 780.75

102+00 103+00 104+00 STH 35/6TH ST 105+00 106+00 107+00

775.01 775.45 775.76 776.07 776.36 776.62 776.83 776.99 777.12 777.25 777.42 777.63 777.88 778.15 778.43 778.70 778.97 779.24 779.52 779.79 780.06 780.34 780.61 780.84 781.07 781.

774.69 775.13 775.44 775.75 776.04 776.30 776.51 776.67 776.80 776.93 777.10 777.31 777.56 777.83 778.11 778.38 778.65 778.92 779.20 779.47 779.74 780.02 780.29 780.52 780.75 780

16' 16'

5' TYP 10' TYP

+12 +25 +35 +49 +01 +17 +08 +22 +28 +44

STA 102+19 (CONCRETE)
CONSTRUCT DRIVEWAY
TYPE Y (13')

STA 102+43 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (14')

STA 104+09 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (16')

CONCRETE STEPS
(SEE DETAIL)

STA 105+16 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (14')

STA 106+36 (ASPHALT)
CONSTRUCT DRIVEWAY

LEGEND

- CONCRETE SIDEWALK 4-INCH (WisDOT)
- CONCRETE SIDEWALK 4-INCH (CITY OF HUDSON)
- CONCRETE SIDEWALK 6-INCH (CITY OF HUDSON)
- CONCRETE DRIVEWAY 6-INCH
- 3" ASPHALTIC SURFACE DRIVEWAY
- 4" HMA PAVEMENT
- 5" HMA PAVEMENT
- 6" HMA PAVEMENT

SOMMERS ST

426+00Y

+20 +25 +20 +25

PI: 111+01.58

NOTE:
SEE INTERSECTION DETAILS FOR
ADDITIONAL PAVING GRADES AT
INTERSECTION.

STA 108+61 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (13')

STA 108+88 (ASPHALT)
CONSTRUCT DRIVEWAY
TYPE Y (13')

+41 +00 +42

780.75 780.98 781.21 781.48 781.78 782.14 782.53 782.98 783.46 783.97 784.57 785.17 785.69 786.45 787.05 787.65 788.25 788.46 788.74 789.14

781.30 108+00 781.80 782.10 782.46 109+00 110+00 STH 35/6TH ST 111+00 112+00 113+00

781.07 781.23 781.29 781.53 781.47 781.69 781.95 782.25 782.61 782.48 783.06 783.30 783.54 783.78 784.05 784.29 784.65 784.89 785.25 785.49 785.85 786.09 786.45 786.69 787.05 787.29 787.65 787.89 788.25 788.49 788.74 788.97 789.14 789.38

780.75 780.92 780.97 781.15 781.37 781.63 781.93 782.16 782.29 782.74 783.22 783.73 784.33 784.93 785.53 786.02

16' 28'

12' 12'

2" HMA PAVEMENT

6.75" HMA PAVEMENT

427+00Y

ASPHALTIC FLUME REQ'D
STA 111+39.84, 51.0RT

+25 +60 +60

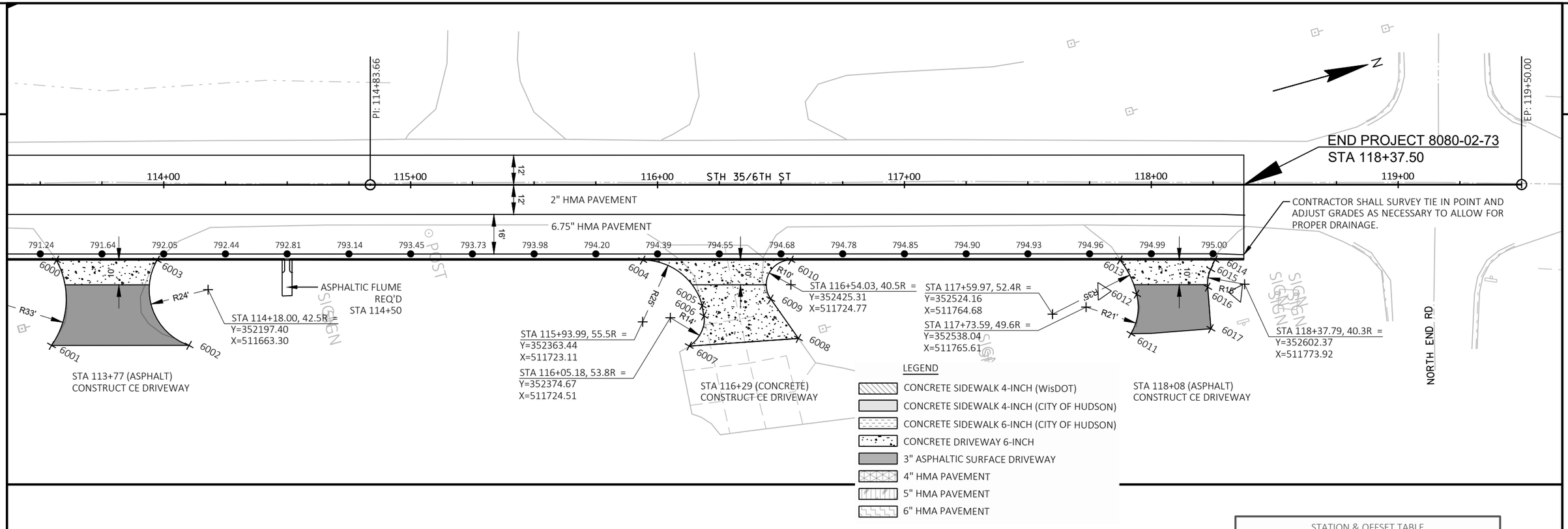
788.96 789.22 789.63 790.03 790.43 790.84 791.24

STA 113+28.02, 46.2R =
Y=352109.71
X=511642.75

R33' 6000' 600

BEGIN PROJECT 8080-02-73
END PROJECT 8080-05-70
STA 112+00.00

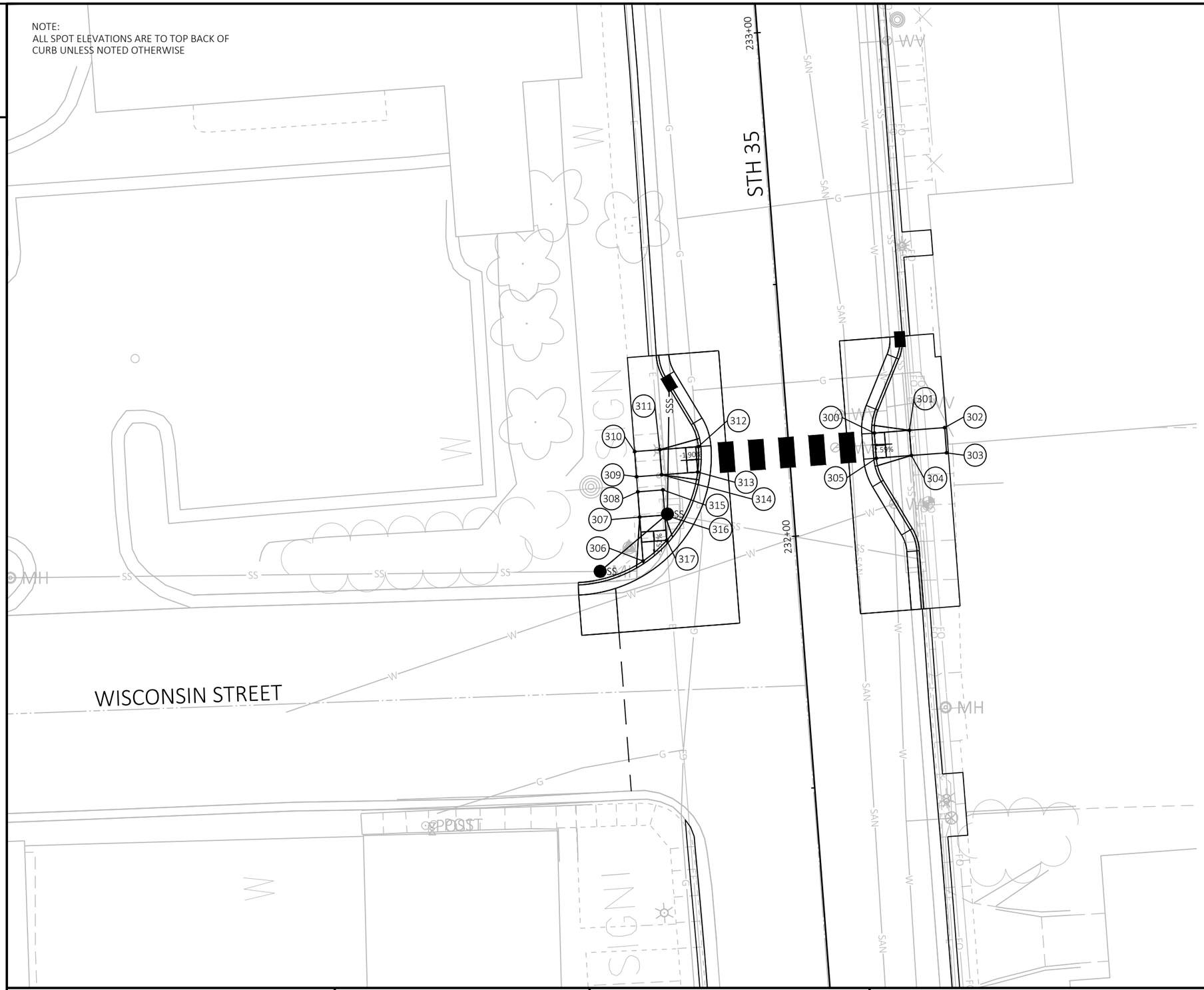
PROJECT NO: 8080-05-70/02-73	HWY: STH 35	COUNTY: ST CROIX	PAVING DETAILS	SHEET 72	E



STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS
6000	113+56.52	30.50	352141.39	511635.27
6001	113+54.57	65.05	352130.23	511668.02
6002	114+10.26	65.03	352183.88	511682.96
6003	113+97.34	30.50	352180.71	511646.23
6004	115+93.99	30.50	352370.15	511699.03
6005	116+18.10	48.87	352388.44	511723.19
6006	116+18.77	53.09	352387.96	511727.44
6007	116+12.83	65.34	352378.95	511737.64
6008	116+57.09	62.24	352422.42	511746.53
6009	116+45.85	46.25	352415.88	511728.11
6010	116+54.03	30.50	352427.99	511715.14
6011	117+91.74	60.35	352552.64	511780.84
6012	117+94.03	44.36	352559.14	511766.05
6013	117+87.26	30.50	352556.33	511750.88
6014	118+25.74	30.50	352593.40	511761.20
6015	118+24.07	34.29	352590.77	511764.41
6016	118+22.84	41.51	352587.65	511771.03
6017	118+24.14	58.34	352584.39	511787.60

NOTE:
ALL SPOT ELEVATIONS ARE TO TOP BACK OF CURB UNLESS NOTED OTHERWISE



N

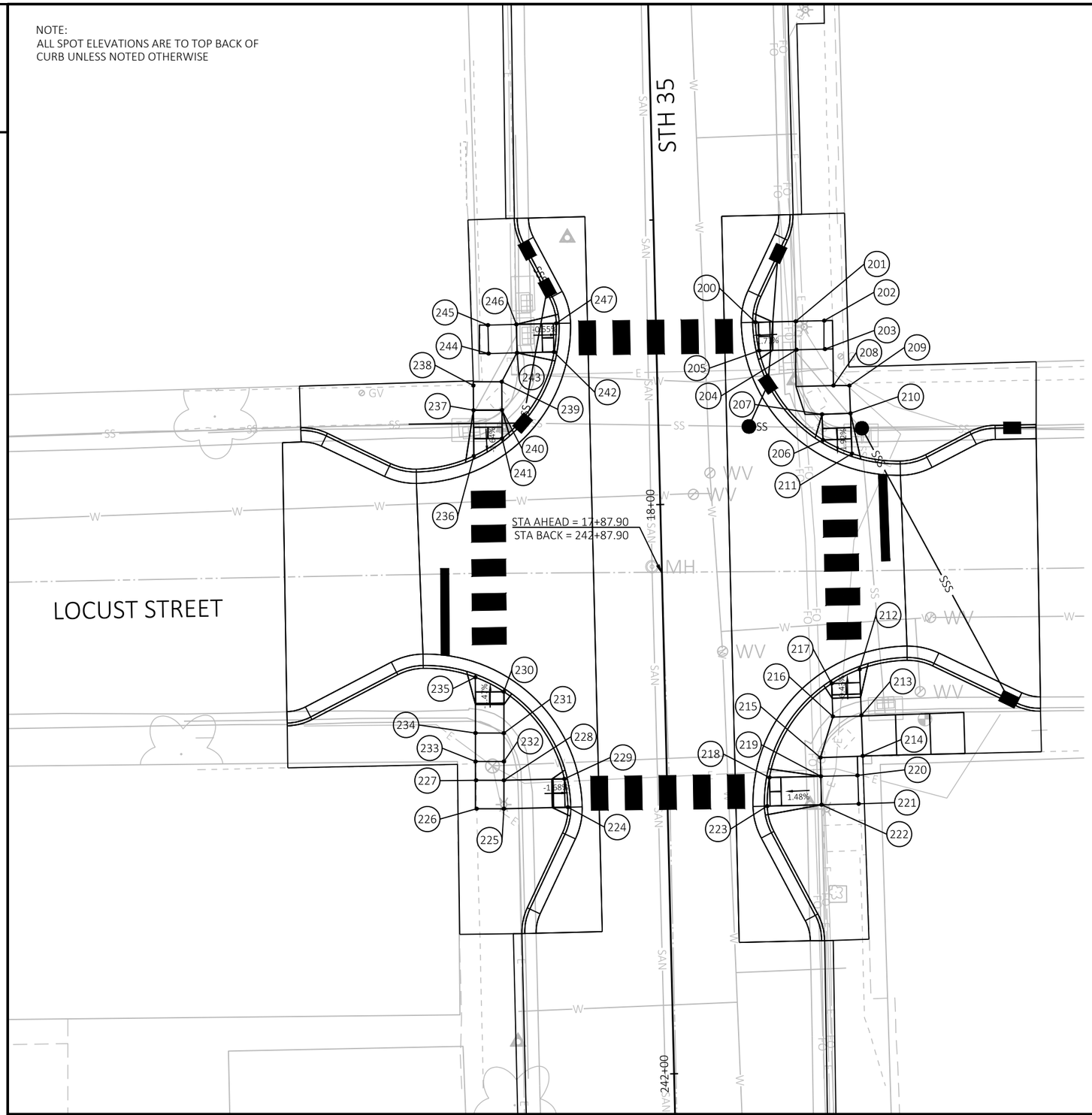
10 0 10 20
scale 5 feet

POINT TABLE			
POINT NUMBER	NORTHING	EASTING	ELEVATION
300	341596.151	511080.328	707.29
301	341596.689	511087.285	707.47
302	341597.219	511094.265	707.57
303	341592.234	511094.644	707.50
304	341591.703	511087.664	707.40
305	341591.166	511080.714	707.21
306	341570.804	511034.496	706.08
307	341579.515	511033.822	706.49
308	341584.500	511033.437	706.76
309	341587.491	511033.206	706.92
310	341592.476	511032.820	707.00
311	341592.861	511037.805	706.94
312	341593.451	511045.432	707.24
313	341588.427	511045.314	707.17
314	341587.876	511038.191	706.86
315	341584.886	511038.422	706.67
316	341579.901	511038.808	706.51
317	341574.916	511039.193	706.16

PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	WISCONSIN STREET	SHEET 74	E

FILE NAME : \\SEHNR.CST.SEHINC.COM\PROJECTS\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO148921 - GRADING PLAN.DWG
LAYOUT NAME - WISCONSIN STREET
PLOT DATE : 9/4/2020 12:58 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1 IN:20 FT

NOTE:
ALL SPOT ELEVATIONS ARE TO TOP BACK OF CURB UNLESS NOTED OTHERWISE



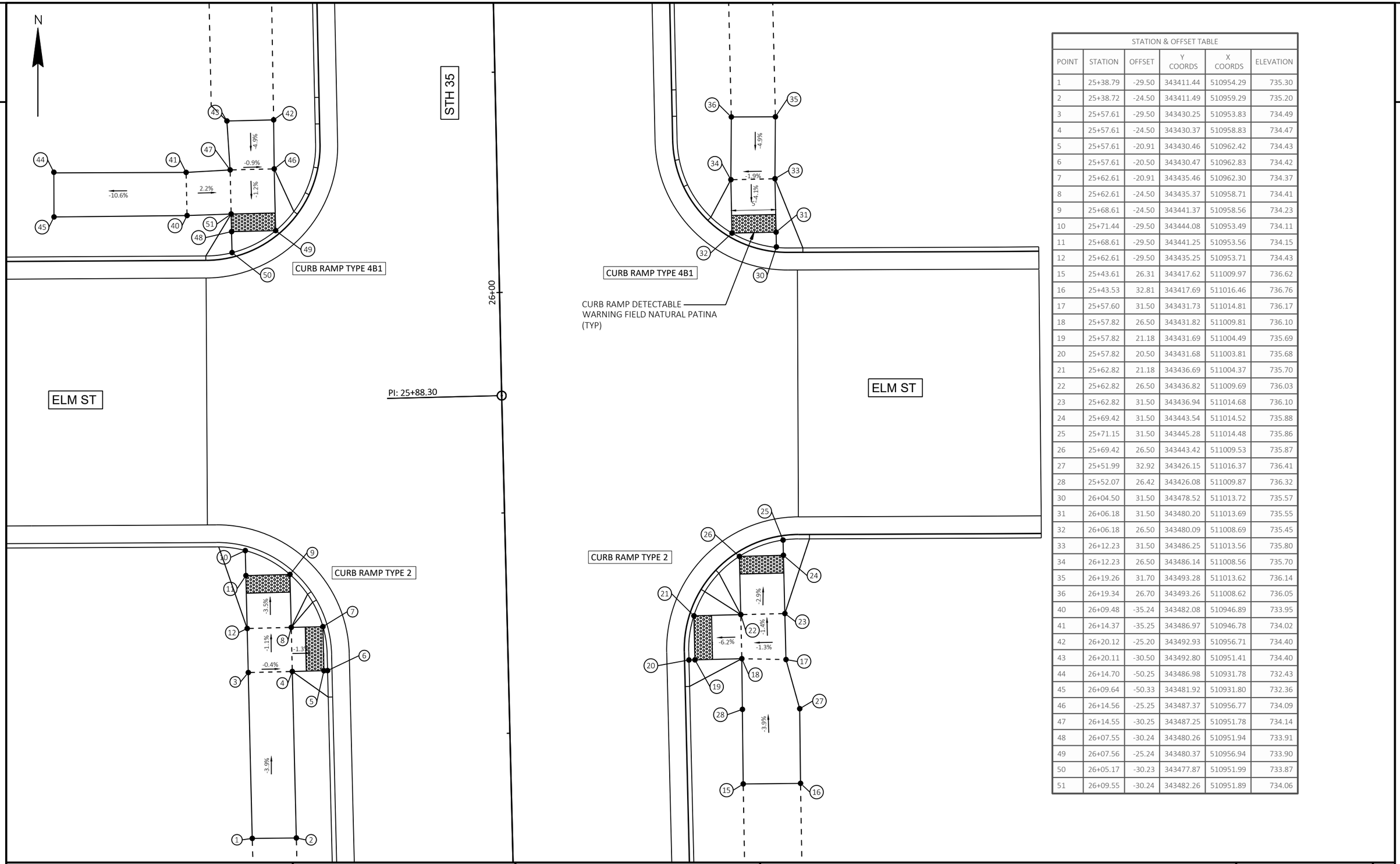
N

10 0 10 20
scale 5 feet

POINT TABLE			
POINT NUMBER	NORTHING	EASTING	ELEVATION
200	342705.605	511018.425	720.81
201	342705.777	511025.503	720.77
202	342705.898	511030.502	720.84
203	342700.900	511030.623	720.76
204	342700.778	511025.625	720.69
205	342700.619	511019.051	720.73
206	342684.946	511030.273	720.05
207	342689.443	511030.113	720.36
208	342694.492	511032.118	720.46
209	342694.492	511034.936	720.48
210	342689.621	511035.110	720.41
211	342682.545	511035.362	720.11
212	342644.647	511036.715	718.62
213	342636.551	511037.004	718.46
214	342629.448	511037.258	718.56
215	342629.144	511029.812	718.43
216	342636.373	511032.008	718.37
217	342642.160	511031.801	718.57
218	342625.638	511020.871	718.28
219	342625.857	511029.899	718.29
220	342626.013	511036.326	718.39
221	342621.017	511036.553	718.79
222	342620.859	511030.020	718.17
223	342620.628	511020.487	718.20

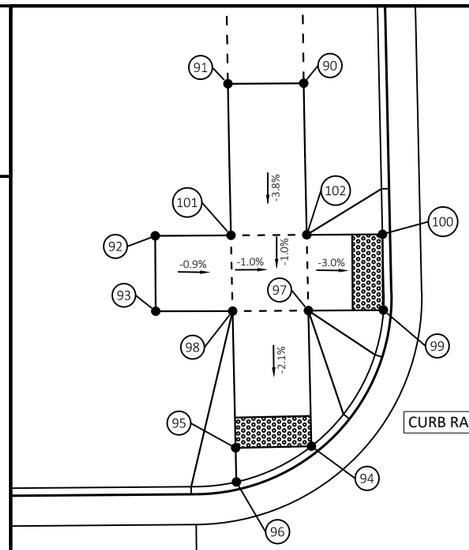
POINT TABLE			
POINT NUMBER	NORTHING	EASTING	ELEVATION
224	342620.427	510985.481	717.89
225	342620.156	510974.245	717.23
226	342620.156	510969.453	717.31
227	342625.156	510969.358	717.35
228	342625.156	510974.245	717.31
229	342625.414	510984.855	717.97
230	342640.706	510974.230	717.62
231	342633.461	510974.245	717.26
232	342628.461	510974.245	717.35
233	342628.461	510969.245	717.31
234	342633.461	510969.245	717.22
235	342643.249	510969.213	717.54
236	342682.124	510968.956	719.72
237	342690.157	510968.903	720.07
238	342694.490	510968.874	720.15
239	342695.157	510973.870	720.11
240	342690.190	510973.903	720.00
241	342685.190	510973.936	719.80
242	342700.394	510983.036	720.64
243	342700.237	510976.548	720.41
244	342700.115	510971.550	720.48
245	342705.114	510971.429	720.59
246	342705.235	510976.427	720.49
247	342705.405	510983.420	720.72

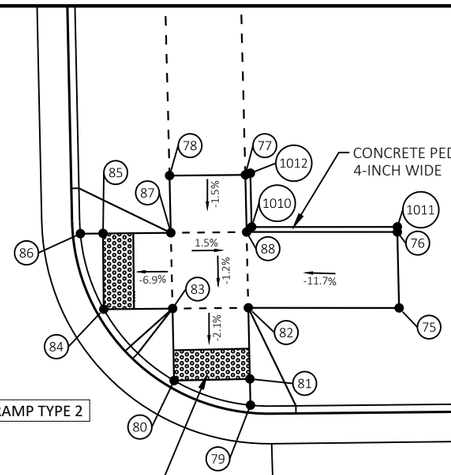
PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	LOCUST STREET	SHEET 75 E



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1	25+38.79	-29.50	343411.44	510954.29	735.30
2	25+38.72	-24.50	343411.49	510959.29	735.20
3	25+57.61	-29.50	343430.25	510953.83	734.49
4	25+57.61	-24.50	343430.37	510958.83	734.47
5	25+57.61	-20.91	343430.46	510962.42	734.43
6	25+57.61	-20.50	343430.47	510962.83	734.42
7	25+62.61	-20.91	343435.46	510962.30	734.37
8	25+62.61	-24.50	343435.37	510958.71	734.41
9	25+68.61	-24.50	343441.37	510958.56	734.23
10	25+71.44	-29.50	343444.08	510953.49	734.11
11	25+68.61	-29.50	343441.25	510953.56	734.15
12	25+62.61	-29.50	343435.25	510953.71	734.43
15	25+43.61	26.31	343417.62	511009.97	736.62
16	25+43.53	32.81	343417.69	511016.46	736.76
17	25+57.60	31.50	343431.73	511014.81	736.17
18	25+57.82	26.50	343431.82	511009.81	736.10
19	25+57.82	21.18	343431.69	511004.49	735.69
20	25+57.82	20.50	343431.68	511003.81	735.68
21	25+62.82	21.18	343436.69	511004.37	735.70
22	25+62.82	26.50	343436.82	511009.69	736.03
23	25+62.82	31.50	343436.94	511014.68	736.10
24	25+69.42	31.50	343443.54	511014.52	735.88
25	25+71.15	31.50	343445.28	511014.48	735.86
26	25+69.42	26.50	343443.42	511009.53	735.87
27	25+51.99	32.92	343426.15	511016.37	736.41
28	25+52.07	26.42	343426.08	511009.87	736.32
30	26+04.50	31.50	343478.52	511013.72	735.57
31	26+06.18	31.50	343480.20	511013.69	735.55
32	26+06.18	26.50	343480.09	511008.69	735.45
33	26+12.23	31.50	343486.25	511013.56	735.80
34	26+12.23	26.50	343486.14	511008.56	735.70
35	26+19.26	31.70	343493.28	511013.62	736.14
36	26+19.34	26.70	343493.26	511008.62	736.05
40	26+09.48	-35.24	343482.08	510946.89	733.95
41	26+14.37	-35.25	343486.97	510946.78	734.02
42	26+20.12	-25.20	343492.93	510956.71	734.40
43	26+20.11	-30.50	343492.80	510951.41	734.40
44	26+14.70	-50.25	343486.98	510931.78	732.43
45	26+09.64	-50.33	343481.92	510931.80	732.36
46	26+14.56	-25.25	343487.37	510956.77	734.09
47	26+14.55	-30.25	343487.25	510951.78	734.14
48	26+07.55	-30.24	343480.26	510951.94	733.91
49	26+07.56	-25.24	343480.37	510956.94	733.90
50	26+05.17	-30.23	343477.87	510951.99	733.87
51	26+09.55	-30.24	343482.26	510951.89	734.06

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CURB RAMP DETAILS - STH 35/ELM ST	SHEET 76	E





N

STH 35

30+00

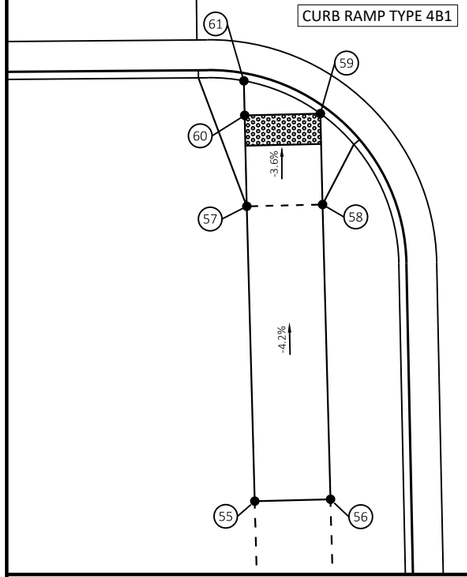
PI: 29+86.89

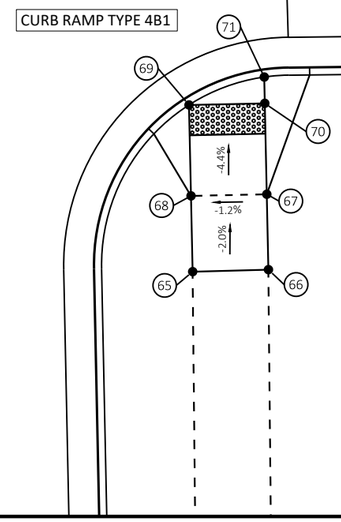
ORANGE ST

ORANGE ST

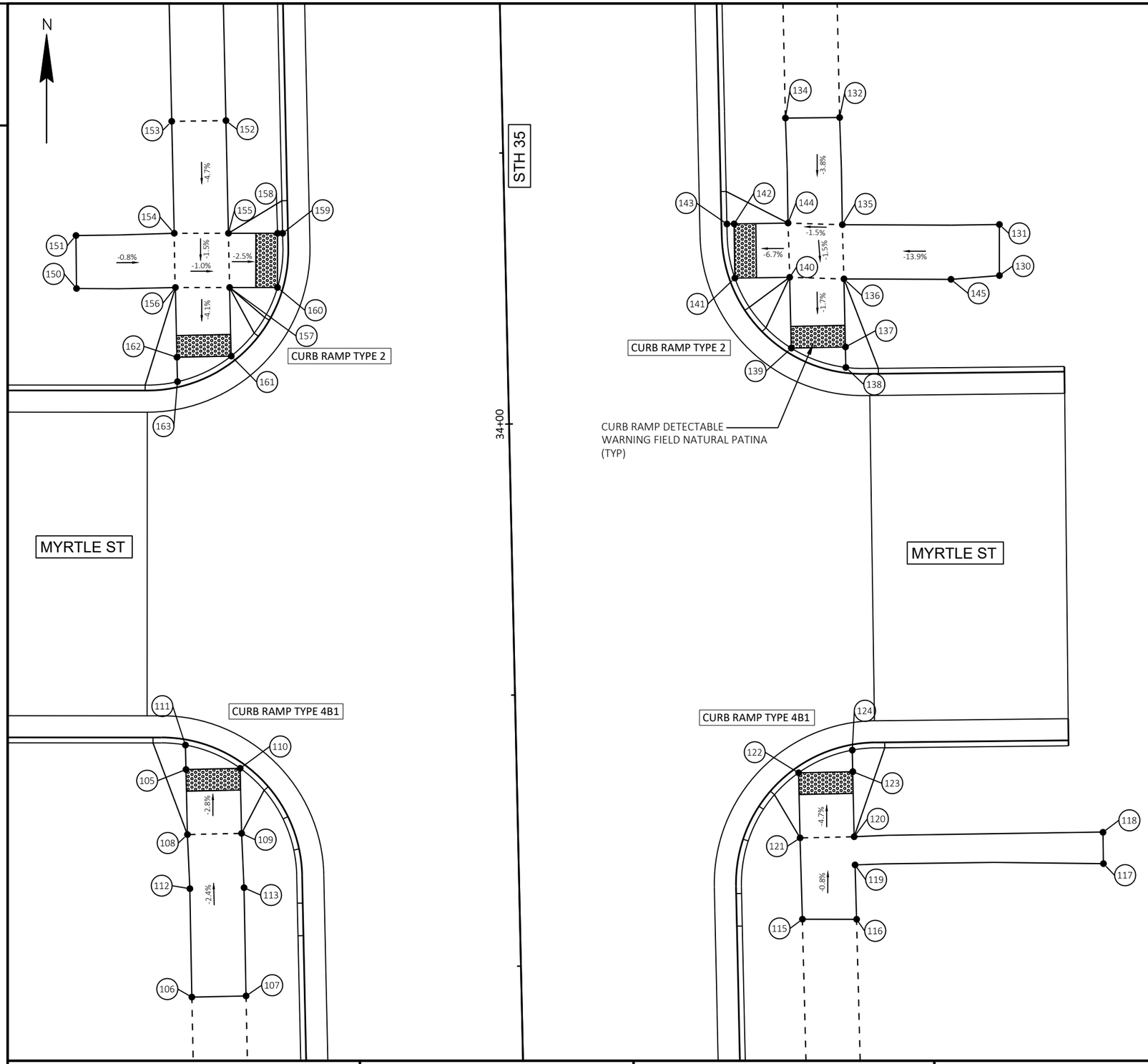
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1010	30+19.53	31.83	343893.49	511005.22	731.59
1011	30+19.32	41.45	343893.49	511014.84	732.71
1012	30+23.08	31.83	343897.03	511005.14	731.61

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
55	29+42.78	-30.34	343815.41	510944.71	730.96
56	29+42.80	-25.34	343815.54	510949.71	730.91
57	29+62.25	-30.45	343834.87	510944.19	730.10
58	29+62.26	-25.45	343834.99	510949.19	730.10
59	29+68.26	-25.46	343840.99	510949.05	729.92
60	29+68.25	-30.46	343840.87	510944.05	729.83
61	29+70.53	-30.47	343843.15	510944.00	729.80
65	29+52.90	26.50	343826.73	511001.33	731.96
66	29+52.92	31.50	343826.86	511006.33	732.08
67	29+57.90	31.50	343831.84	511006.22	731.92
68	29+57.90	26.50	343831.73	511001.22	731.86
69	29+63.90	26.50	343837.73	511001.09	731.59
70	29+63.90	31.50	343837.84	511006.09	731.67
71	29+65.63	31.50	343839.57	511006.05	731.64
75	30+13.98	41.45	343888.14	511014.95	732.49
76	30+18.98	41.44	343893.15	511014.84	732.54
77	30+22.98	31.50	343896.92	511004.81	731.45
78	30+23.04	26.50	343896.87	510999.81	731.35
79	30+07.78	31.50	343881.73	511005.14	731.25
80	30+09.51	26.50	343883.35	511000.11	731.14
81	30+09.51	31.50	343883.46	511005.11	731.25
82	30+14.20	31.50	343888.15	511005.00	731.31
83	30+14.26	26.50	343888.10	511000.00	731.24
84	30+14.32	21.96	343888.06	510995.47	730.99
85	30+19.32	22.02	343893.06	510995.42	730.94
86	30+19.34	20.53	343893.04	510993.92	730.92
87	30+19.26	26.50	343893.10	510999.89	731.30
88	30+19.20	31.50	343893.15	511004.89	731.37
90	30+30.27	-25.48	343902.96	510947.68	730.22
91	30+30.35	-30.48	343902.93	510942.68	730.29
92	30+20.42	-35.50	343892.90	510937.89	729.94
93	30+15.45	-35.57	343887.93	510937.92	729.90
94	30+06.32	-25.50	343879.02	510948.19	729.67
95	30+06.32	-30.50	343878.91	510943.19	729.59
96	30+04.07	-30.50	343876.66	510943.24	729.56
97	30+15.27	-25.50	343887.97	510947.99	729.79
98	30+15.35	-30.50	343887.93	510942.99	729.85
99	30+15.20	-20.55	343888.00	510952.94	729.75
100	30+20.20	-20.50	343893.00	510952.88	729.70
101	30+20.35	-30.50	343892.93	510942.88	729.90
102	30+20.27	-25.50	343892.97	510947.88	729.85





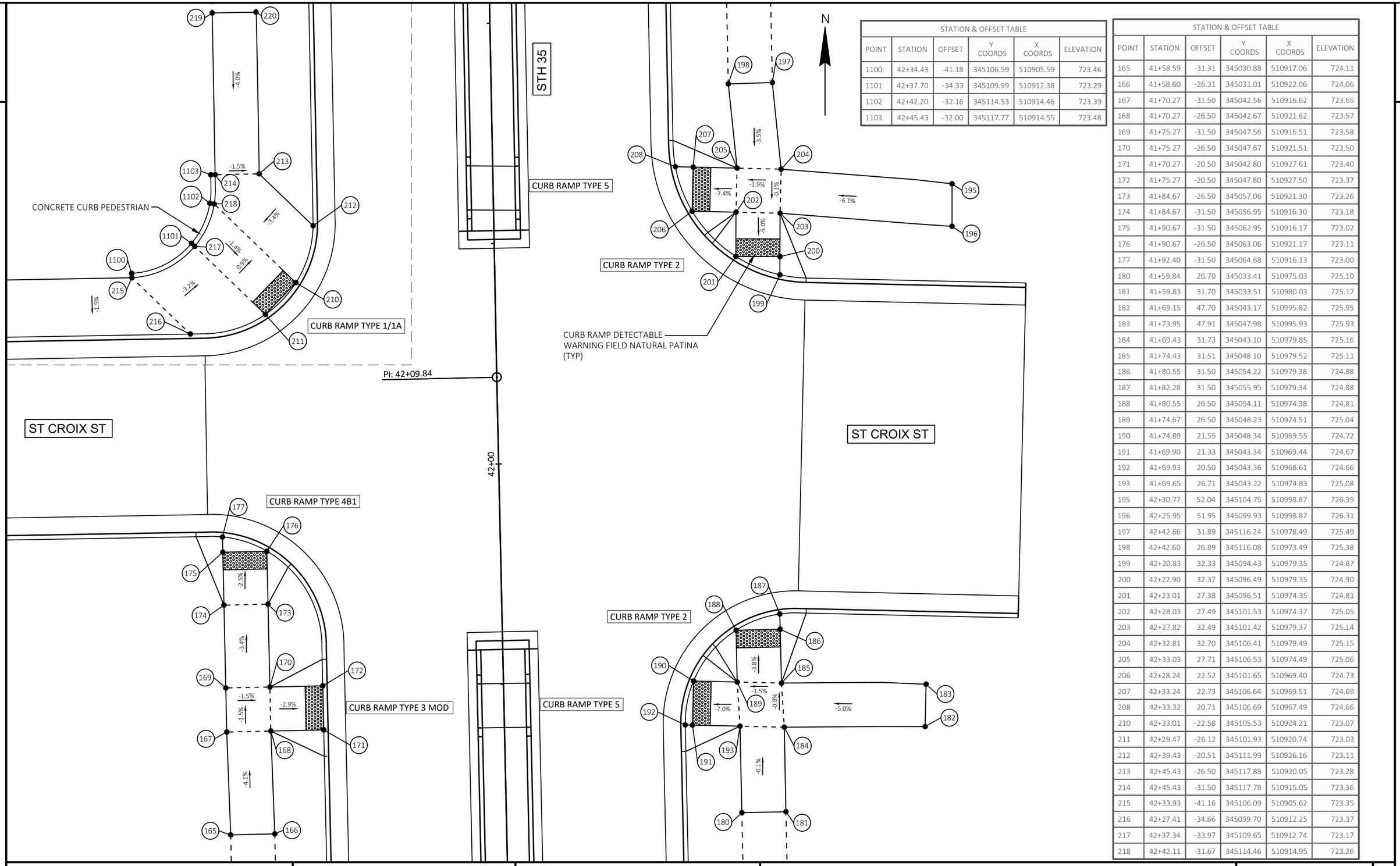
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CURB RAMP DETAILS - STH 35/ORANGE ST	SHEET 77	E



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
105	33+68.81	-30.50	344241.31	510935.23	727.93
106	33+47.81	-30.42	344220.32	510935.77	728.55
107	33+47.80	-25.42	344220.42	510940.77	728.54
108	33+62.81	-30.50	344235.31	510935.36	728.18
109	33+62.81	-25.50	344235.42	510940.36	728.15
110	33+68.81	-25.50	344241.42	510940.22	728.00
111	33+71.06	-30.50	344243.56	510935.18	727.91
112	33+57.81	-30.38	344230.31	510935.59	728.30
113	33+57.79	-25.38	344230.41	510940.59	728.28
115	33+53.75	26.05	344227.50	510992.10	729.62
116	33+53.63	31.05	344227.49	510997.10	729.72
117	33+58.27	53.93	344232.63	511019.87	731.83
118	33+61.16	53.96	344235.52	511019.83	731.88
119	33+58.66	31.02	344232.51	510996.95	729.68
120	33+61.25	31.00	344235.11	510996.88	729.64
121	33+61.25	26.00	344235.00	510991.88	729.57
122	33+67.25	26.00	344241.00	510991.75	729.23
123	33+67.25	31.00	344241.11	510996.75	729.33
124	33+69.24	31.00	344243.09	510996.70	729.36
130	34+12.70	45.53	344286.86	511010.27	731.38
131	34+17.40	45.64	344291.56	511010.28	731.46
132	34+27.59	31.11	344301.43	510995.53	729.85
134	34+27.65	26.11	344301.38	510990.53	729.70
135	34+17.70	31.14	344291.54	510995.78	729.44
136	34+12.70	31.18	344286.54	510995.93	729.36
137	34+06.42	31.18	344280.27	510996.07	729.25
138	34+04.53	31.18	344278.38	510996.11	729.25
139	34+06.42	26.18	344280.16	510991.07	729.15
140	34+12.96	26.19	344286.69	510990.93	729.28
141	34+13.00	21.13	344286.62	510985.87	729.03
142	34+18.00	21.16	344291.62	510985.80	728.98
143	34+18.00	20.50	344291.61	510985.13	728.97
144	34+17.96	26.14	344291.70	510990.78	729.36
145	34+12.44	41.06	344286.50	511005.81	730.75
150	34+13.37	-39.62	344285.66	510925.13	728.21
151	34+18.26	-39.56	344290.55	510925.08	728.30
152	34+28.55	-25.50	344301.14	510938.91	728.63
153	34+28.59	-30.50	344301.08	510933.91	728.72
154	34+18.27	-30.50	344290.75	510934.14	728.21
155	34+18.15	-25.50	344290.75	510939.14	728.16
156	34+13.27	-30.50	344285.76	510934.25	728.14
157	34+13.15	-25.50	344285.75	510939.25	728.09
158	34+18.05	-20.97	344290.75	510943.67	728.04
159	34+18.04	-20.50	344290.75	510944.14	728.04
160	34+13.05	-21.08	344285.75	510943.67	728.03
161	34+06.83	-25.49	344279.43	510939.40	727.90
162	34+06.83	-30.50	344279.32	510934.39	727.82
163	34+04.58	-30.50	344277.07	510934.44	727.79

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CURB RAMP DETAILS - STH 35/MYRTLE ST	SHEET 78	E

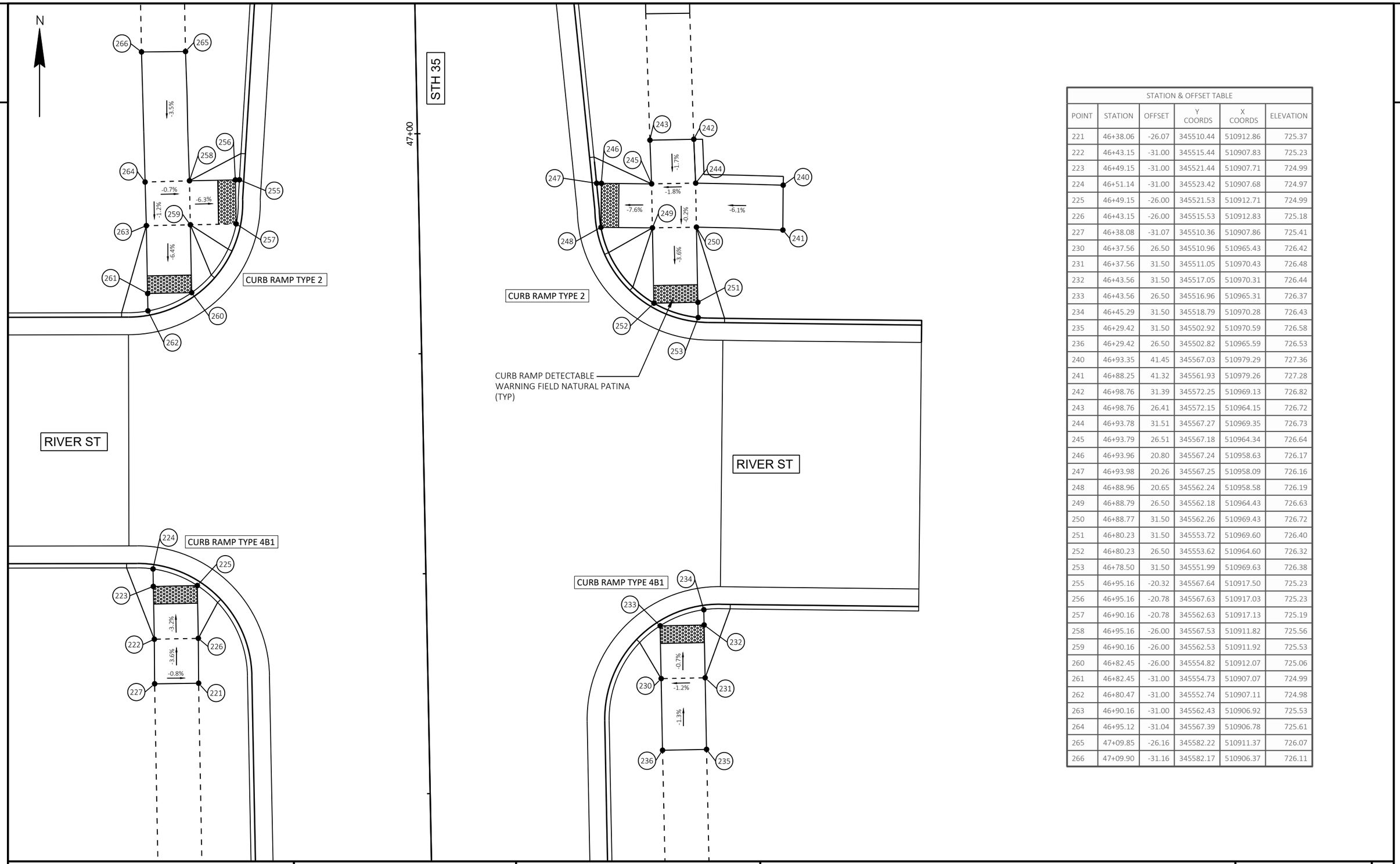
FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021303-cr
PLOT DATE : 7/29/2020 1:13 PM
PLOT BY : WOOLEVER, NATHAN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1100	42+34.43	-41.18	345106.59	510905.59	723.46
1101	42+37.70	-34.33	345109.99	510912.38	723.29
1102	42+42.20	-32.16	345114.53	510914.46	723.39
1103	42+45.43	-32.00	345117.77	510914.55	723.48

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
165	41+58.59	-31.31	345030.88	510917.06	724.11
166	41+58.60	-26.31	345031.01	510922.06	724.06
167	41+70.27	-31.50	345042.56	510916.62	723.65
168	41+70.27	-26.50	345042.67	510921.62	723.57
169	41+75.27	-31.50	345047.56	510916.51	723.58
170	41+75.27	-26.50	345047.67	510921.51	723.50
171	41+70.27	-20.50	345042.80	510927.61	723.40
172	41+75.27	-20.50	345047.80	510927.50	723.37
173	41+84.67	-26.50	345057.06	510921.30	723.26
174	41+84.67	-31.50	345056.95	510916.30	723.18
175	41+90.67	-31.50	345062.95	510916.17	723.02
176	41+90.67	-26.50	345063.06	510921.17	723.11
177	41+92.40	-31.50	345064.68	510916.13	723.00
180	41+59.84	26.70	345033.41	510975.03	725.10
181	41+59.83	31.70	345033.51	510980.03	725.17
182	41+69.15	47.70	345043.17	510995.82	725.95
183	41+73.95	47.91	345047.98	510995.93	725.93
184	41+69.43	31.73	345043.10	510979.85	725.16
185	41+74.43	31.51	345048.10	510979.52	725.11
186	41+80.55	31.50	345054.22	510979.38	724.88
187	41+82.28	31.50	345055.95	510979.34	724.88
188	41+80.55	26.50	345054.11	510974.38	724.81
189	41+74.67	26.50	345048.23	510974.51	725.04
190	41+74.89	21.55	345048.34	510969.55	724.72
191	41+69.90	21.33	345043.34	510969.44	724.67
192	41+69.93	20.50	345043.36	510968.61	724.66
193	41+69.65	26.71	345043.22	510974.83	725.08
195	42+30.77	52.04	345104.75	510998.87	726.39
196	42+25.95	51.95	345099.93	510998.87	726.31
197	42+42.66	31.89	345116.24	510978.49	725.49
198	42+42.60	26.89	345116.08	510973.49	725.38
199	42+20.83	32.33	345094.43	510979.35	724.87
200	42+22.90	32.37	345096.49	510979.35	724.90
201	42+23.01	27.38	345096.51	510974.35	724.81
202	42+28.03	27.49	345101.53	510974.37	725.05
203	42+27.82	32.49	345101.42	510979.37	725.14
204	42+32.81	32.70	345106.41	510979.49	725.15
205	42+33.03	27.71	345106.53	510974.49	725.06
206	42+28.24	22.52	345101.65	510969.40	724.73
207	42+33.24	22.73	345106.64	510969.51	724.69
208	42+33.32	20.71	345106.69	510967.49	724.66
210	42+33.01	-22.58	345105.53	510924.21	723.07
211	42+29.47	-26.12	345101.93	510920.74	723.03
212	42+39.43	-20.51	345111.99	510926.16	723.11
213	42+45.43	-26.50	345117.88	510920.05	723.28
214	42+45.43	-31.50	345117.78	510915.05	723.36
215	42+33.93	-41.16	345106.09	510905.62	723.35
216	42+27.41	-34.66	345099.70	510912.25	723.37
217	42+37.34	-33.97	345109.65	510912.74	723.17
218	42+42.11	-31.67	345114.46	510914.95	723.26

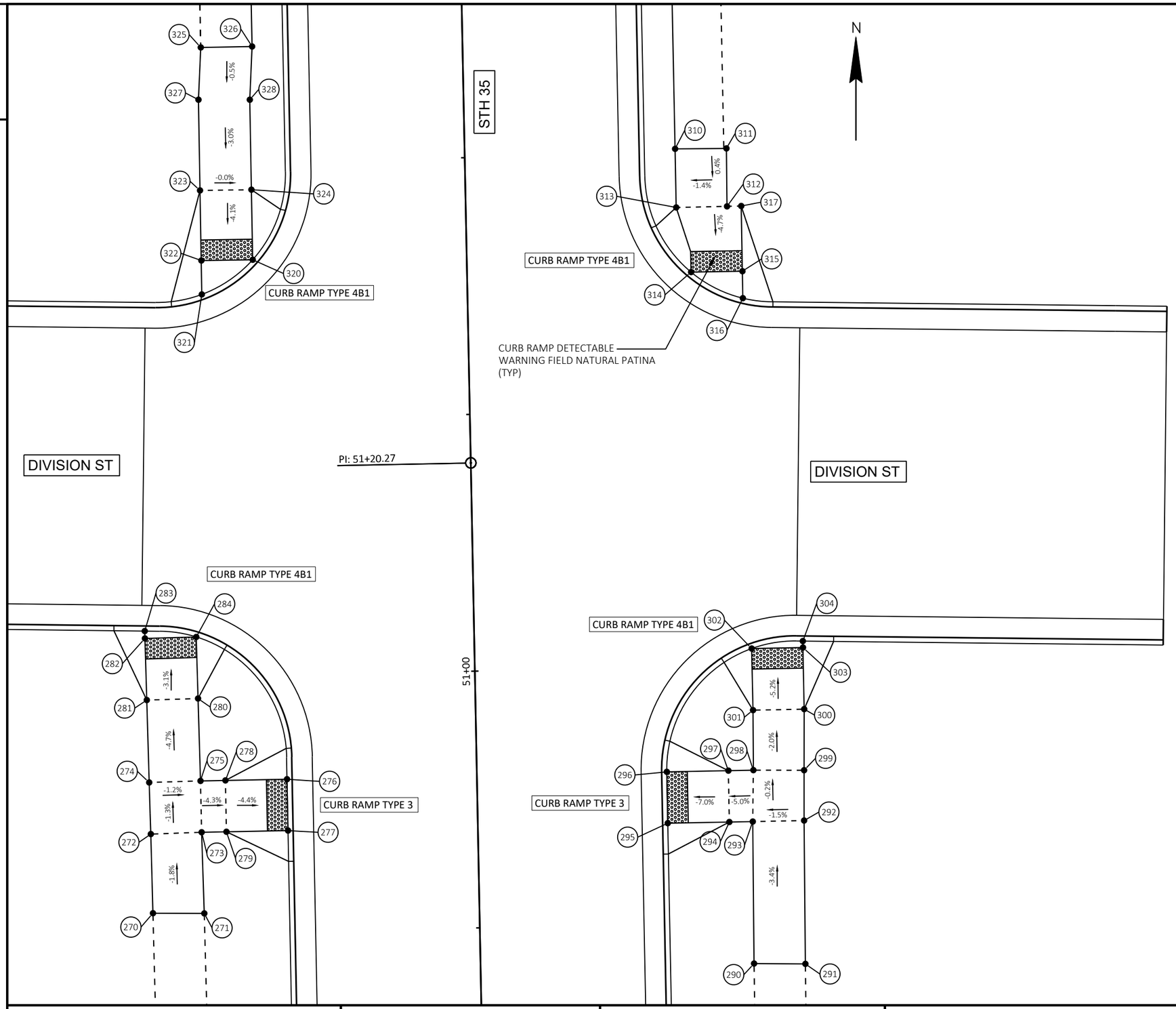
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CURB RAMP DETAILS - STH 35/ST CROIX ST	SHEET 79	E



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
221	46+38.06	-26.07	345510.44	510912.86	725.37
222	46+43.15	-31.00	345515.44	510907.83	725.23
223	46+49.15	-31.00	345521.44	510907.71	724.99
224	46+51.14	-31.00	345523.42	510907.68	724.97
225	46+49.15	-26.00	345521.53	510912.71	724.99
226	46+43.15	-26.00	345515.53	510912.83	725.18
227	46+38.08	-31.07	345510.36	510907.86	725.41
230	46+37.56	26.50	345510.96	510965.43	726.42
231	46+37.56	31.50	345511.05	510970.43	726.48
232	46+43.56	31.50	345517.05	510970.31	726.44
233	46+43.56	26.50	345516.96	510965.31	726.37
234	46+45.29	31.50	345518.79	510970.28	726.43
235	46+29.42	31.50	345502.92	510970.59	726.58
236	46+29.42	26.50	345502.82	510965.59	726.53
240	46+93.35	41.45	345567.03	510979.29	727.36
241	46+88.25	41.32	345561.93	510979.26	727.28
242	46+98.76	31.39	345572.25	510969.13	726.82
243	46+98.76	26.41	345572.15	510964.15	726.72
244	46+93.78	31.51	345567.27	510969.35	726.73
245	46+93.79	26.51	345567.18	510964.34	726.64
246	46+93.96	20.80	345567.24	510958.63	726.17
247	46+93.98	20.26	345567.25	510958.09	726.16
248	46+88.96	20.65	345562.24	510958.58	726.19
249	46+88.79	26.50	345562.18	510964.43	726.63
250	46+88.77	31.50	345562.26	510969.43	726.72
251	46+80.23	31.50	345553.72	510969.60	726.40
252	46+80.23	26.50	345553.62	510964.60	726.32
253	46+78.50	31.50	345551.99	510969.63	726.38
255	46+95.16	-20.32	345567.64	510917.50	725.23
256	46+95.16	-20.78	345567.63	510917.03	725.23
257	46+90.16	-20.78	345562.63	510917.13	725.19
258	46+95.16	-26.00	345567.53	510911.82	725.56
259	46+90.16	-26.00	345562.53	510911.92	725.53
260	46+82.45	-26.00	345554.82	510912.07	725.06
261	46+82.45	-31.00	345554.73	510907.07	724.99
262	46+80.47	-31.00	345552.74	510907.11	724.98
263	46+90.16	-31.00	345562.43	510906.92	725.53
264	46+95.12	-31.04	345567.39	510906.78	725.61
265	47+09.85	-26.16	345582.22	510911.37	726.07
266	47+09.90	-31.16	345582.17	510906.37	726.11

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CURB RAMP DETAILS - STH 35/RIVER ST	SHEET 80	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021305-cr
PLOT DATE : 7/29/2020 1:13 PM
PLOT BY : WOOLEVER, NATHAN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
270	50+77.04	-31.81	345949.22	510898.59	728.23
271	50+76.93	-26.81	345949.21	510903.59	728.22
272	50+84.75	-31.87	345956.93	510898.39	728.13
273	50+84.83	-26.91	345957.11	510903.34	728.06
274	50+89.78	-31.93	345961.96	510898.23	728.06
275	50+89.83	-26.93	345962.11	510903.22	728.00
276	50+89.83	-18.50	345962.27	510911.65	727.68
277	50+84.83	-18.50	345957.28	510911.75	727.66
278	50+89.83	-24.50	345962.16	510905.65	727.91
279	50+84.83	-24.50	345957.16	510905.75	727.95
280	50+97.85	-27.01	345970.13	510902.99	727.66
281	50+97.80	-32.01	345969.98	510897.99	727.61
282	51+03.80	-32.07	345975.98	510897.81	727.40
283	51+04.53	-32.08	345976.70	510897.79	727.39
284	51+03.85	-27.07	345976.13	510902.81	727.49
290	50+71.00	26.64	345944.32	510957.15	729.43
291	50+70.87	31.64	345944.29	510962.15	729.53
292	50+84.83	31.78	345958.25	510962.02	729.03
293	50+84.83	26.78	345958.16	510957.02	728.95
294	50+84.83	24.50	345958.11	510954.74	728.84
295	50+84.83	18.50	345957.99	510948.74	728.42
296	50+89.83	18.50	345962.99	510948.65	728.41
297	50+89.83	24.50	345963.11	510954.65	728.83
298	50+89.83	26.94	345963.16	510957.08	728.95
299	50+89.73	31.88	345963.15	510962.03	729.02
300	50+95.67	32.00	345969.10	510962.03	728.91
301	50+95.67	27.02	345969.00	510957.05	728.83
302	51+01.67	27.00	345975.00	510956.92	728.50
303	51+01.67	32.00	345975.10	510961.91	728.60
304	51+02.31	32.00	345975.73	510961.90	728.63
310	51+50.46	20.50	346023.65	510949.45	728.63
311	51+50.40	25.50	346023.69	510954.45	728.66
312	51+44.76	25.45	346018.06	510954.51	728.68
313	51+44.75	20.50	346017.95	510949.57	728.57
314	51+38.42	21.82	346011.65	510951.01	728.24
315	51+38.41	26.82	346011.74	510956.01	728.34
316	51+35.79	26.81	346009.12	510956.06	728.37
317	51+44.77	26.83	346018.09	510955.90	728.68
320	51+40.48	-20.85	346012.86	510908.31	727.55
321	51+37.20	-25.87	346009.48	510903.35	727.44
322	51+40.50	-25.85	346012.78	510903.31	727.49
323	51+47.33	-25.85	346019.60	510903.18	727.83
324	51+47.30	-20.84	346019.68	510908.18	727.83
325	51+61.25	-25.50	346033.53	510903.25	728.18
326	51+61.24	-20.50	346033.62	510908.25	728.11
327	51+56.16	-25.83	346028.43	510903.03	728.15
328	51+56.06	-20.83	346028.43	510908.03	728.09

2

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CURB RAMP DETAILS - STH 35/DIVISION ST	SHEET 81	E

N

62+00

STH 35

CURB RAMP TYPE 7B

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA (TYP)

CURB RAMP TYPE 4B1

CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA (TYP)

RADIAL CHORD: 10.94'

10.67'

SHOP ST

CURB RAMP TYPE 4B1

RADIAL CHORD: 7.44'

8.40'

NORTH ST

CURB RAMP TYPE 4B1

RADIAL CHORD: 8.41'

9.30'

CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

CURB RAMP TYPE 1/1A

62+00

STH 35

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
330	61+16.26	29.70	346989.04	510939.90	697.23
331	61+16.40	24.69	346989.15	510934.89	697.16
332	61+01.24	24.27	346974.07	510934.59	697.86
333	61+00.93	29.19	346973.80	510939.51	697.96
334	61+19.61	24.79	346992.34	510934.98	697.12
335	61+24.96	29.93	346997.69	510940.09	697.26
336	61+10.22	29.52	346983.04	510939.76	697.57
337	61+10.38	24.49	346983.16	510934.73	697.50
340	61+90.31	24.27	347062.67	510934.64	696.60
341	61+90.18	31.27	347062.47	510941.64	696.70
342	61+79.44	31.06	347051.80	510941.33	696.65
343	61+87.89	24.23	347060.26	510934.57	696.57
344	61+96.50	24.38	347068.82	510934.82	696.74
345	61+96.38	31.38	347068.62	510941.81	696.84
346	62+04.59	24.46	347076.87	510935.00	696.91
347	62+04.55	31.47	347076.73	510942.00	697.02
348	62+10.62	24.47	347082.87	510935.09	696.49
349	62+10.60	31.49	347082.74	510942.11	696.60
350	62+15.64	31.50	347087.74	510942.20	696.58
351	62+15.65	24.51	347087.87	510935.21	696.47
352	62+21.68	32.04	347093.73	510942.83	696.98
353	62+21.68	24.47	347093.87	510935.27	696.87
354	62+26.71	24.47	347098.86	510935.36	697.05
355	62+26.71	32.47	347098.72	510943.36	697.17
356	62+10.63	22.50	347082.91	510933.12	696.40
357	62+15.66	22.50	347087.91	510933.20	696.38

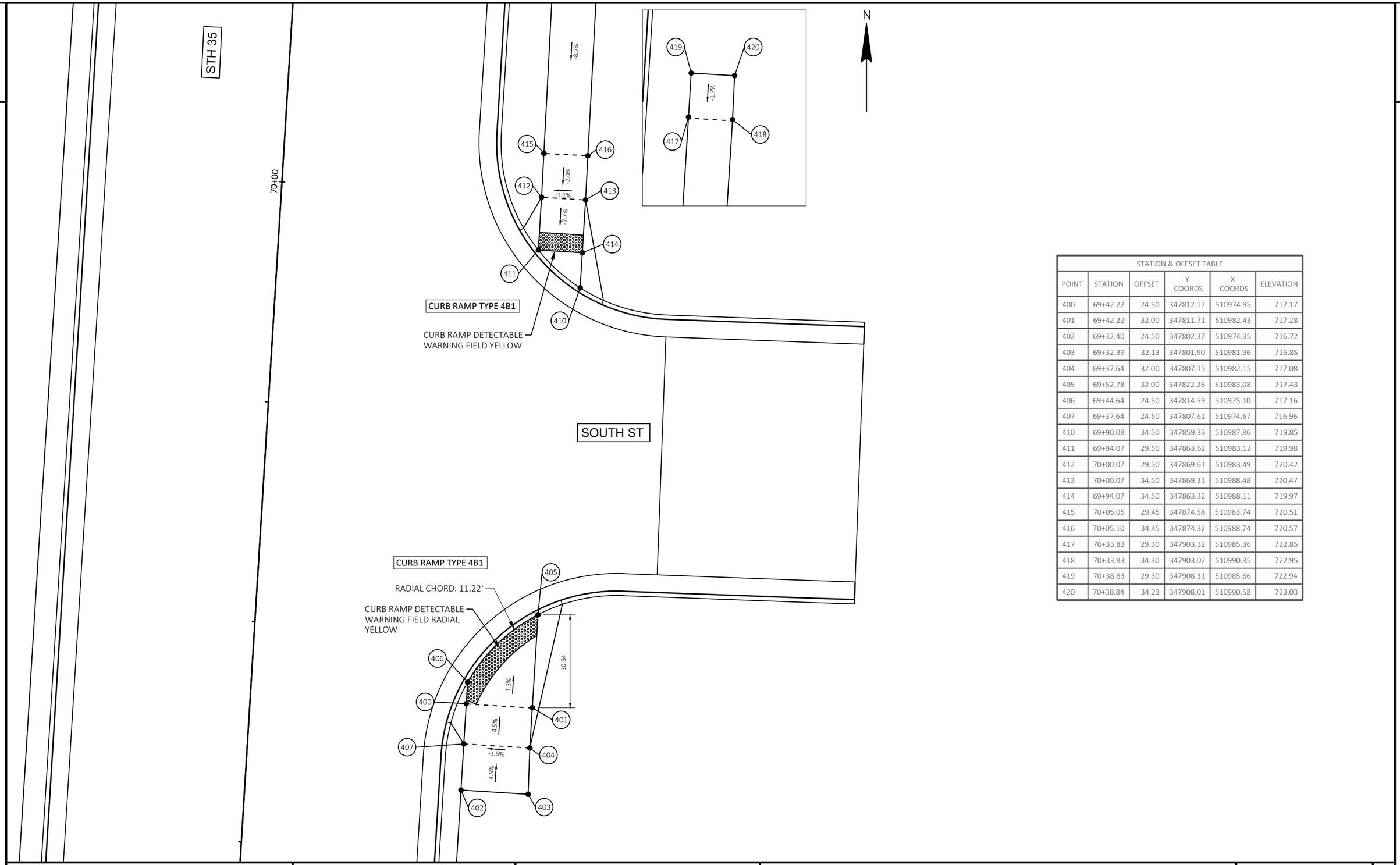
STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1020	61+99.83	-26.20	347072.76	510884.28	697.41
1021	62+04.72	-28.37	347077.70	510882.17	697.49
1022	62+07.89	-31.98	347080.95	510878.60	697.53
1023	62+09.47	-37.40	347082.61	510873.21	697.60
1024	62+09.60	-40.20	347082.78	510870.41	697.63

STATION & OFFSET TABLE

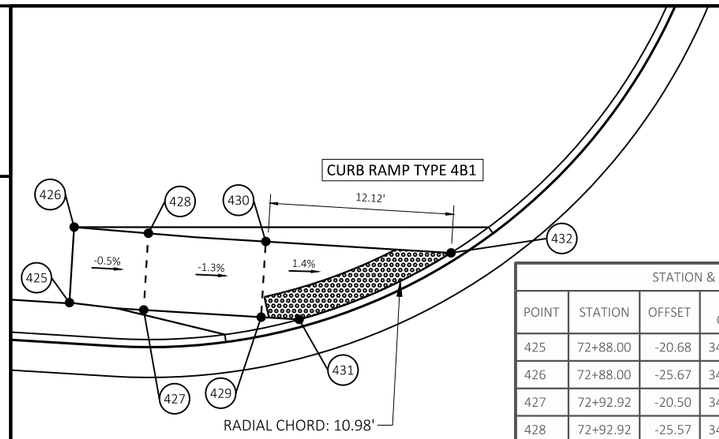
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
370	61+88.82	-25.52	347061.68	510884.83	697.77
371	61+88.82	-20.50	347061.63	510889.85	697.62
372	62+16.74	-58.24	347090.28	510852.48	697.68
373	62+12.09	-58.59	347085.58	510852.06	697.83
374	62+10.71	-53.56	347084.11	510857.07	697.88
375	62+10.09	-40.18	347083.28	510870.44	697.63
376	62+08.32	-31.73	347081.38	510878.86	697.03
377	62+05.02	-27.97	347078.00	510882.57	696.99
378	62+00.99	-25.96	347073.92	510884.53	697.32
379	62+13.70	-27.98	347086.73	510882.70	696.97
380	62+10.86	-23.87	347083.82	510886.76	696.93
381	62+02.61	-20.51	347075.48	510890.00	697.28
382	62+03.86	-19.64	347076.72	510890.89	697.27
383	62+16.03	-39.90	347089.27	510870.81	697.55
384	62+09.8[illegible]	-36.38	347083.01	510874.24	697.38
385	62+15.83	-35.61	347089.00	510875.09	697.45
386	62+10.07	-39.64	347083.25	510870.98	697.59
387	62+54.95	-29.21	347128.26	510882.29	696.66
388	62+54.99	-24.21	347128.17	510887.29	696.59
389	62+52.38	-24.19	347125.55	510887.25	696.55
390	62+45.71	-29.15	347118.96	510882.13	696.59
391	62+60.91	-29.25	347134.26	510882.39	697.05
392	62+60.96	-24.35	347134.18	510887.30	696.98
393	62+78.10	-24.49	347151.40	510887.63	697.64
394	62+78.05	-29.40	347151.50	510882.73	697.74

PROJECT NO: 8080-07-70/8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CURB RAMP DETAILS - STH 35/SHOP ST & STH 35/NORTH ST	SHEET 82	E

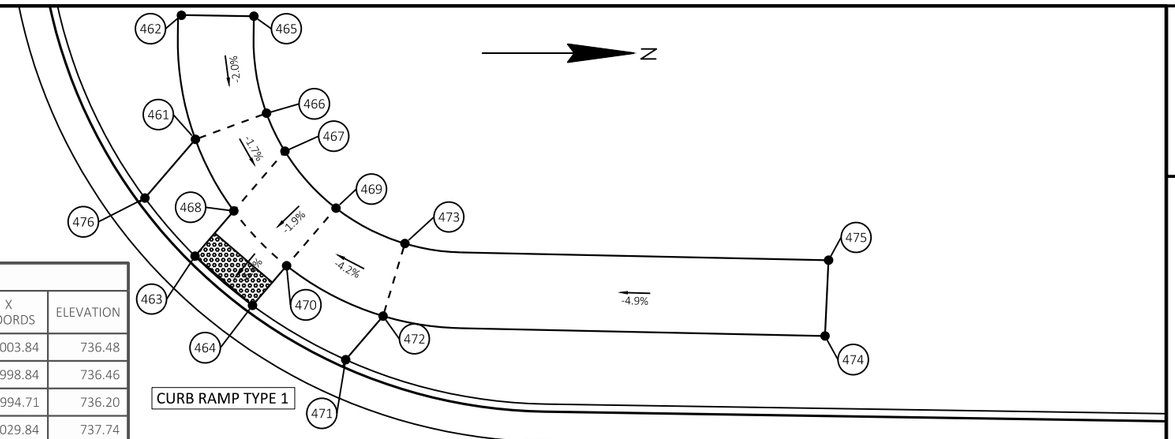


STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
400	69+42.22	24.50	347812.17	510974.95	717.17
401	69+42.22	32.00	347811.71	510982.43	717.28
402	69+32.40	24.50	347802.37	510974.35	716.72
403	69+32.39	32.13	347801.90	510981.96	716.85
404	69+37.64	32.00	347807.15	510982.15	717.08
405	69+52.78	32.00	347822.26	510983.08	717.43
406	69+44.64	24.50	347814.59	510975.10	717.16
407	69+37.64	24.50	347807.61	510974.67	716.96
410	69+90.08	34.50	347859.33	510987.86	719.85
411	69+94.07	29.50	347863.62	510983.12	719.98
412	70+00.07	29.50	347869.61	510983.49	720.42
413	70+00.07	34.50	347869.31	510988.48	720.47
414	69+94.07	34.50	347863.32	510988.11	719.97
415	70+05.05	29.45	347874.58	510983.74	720.51
416	70+05.10	34.45	347874.32	510988.74	720.57
417	70+33.83	29.30	347903.32	510985.36	722.85
418	70+33.83	34.30	347903.02	510990.35	722.95
419	70+38.83	29.30	347908.31	510985.66	722.94
420	70+38.84	34.23	347908.01	510990.58	723.03

PROJECT NO: 8080-07-70/8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CURB RAMP DETAILS - STH 35/SOUTH ST	SHEET 83	E



WISCONSIN ST

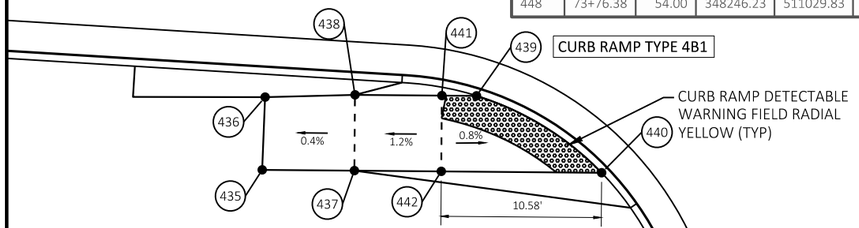


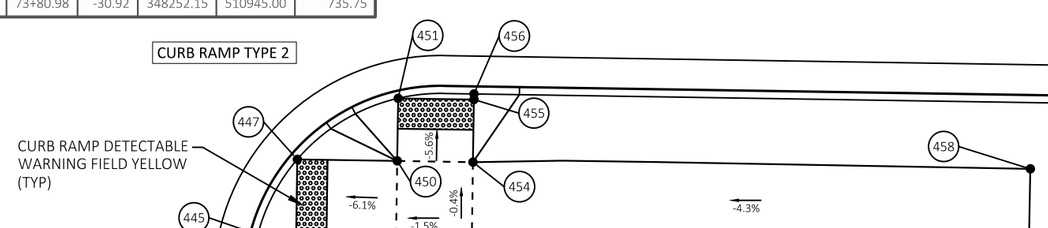
STATION & OFFSET TABLE						STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
425	72+88.00	-20.68	348160.07	510951.05	733.70	449	73+76.31	28.00	348246.56	511003.84	736.48
426	72+88.00	-25.67	348160.38	510946.06	733.86	450	73+76.31	23.00	348246.64	510998.84	736.46
427	72+92.92	-20.50	348164.97	510951.53	733.71	451	73+76.30	18.87	348246.70	510994.71	736.20
428	72+92.92	-25.57	348165.28	510946.47	733.78	452	73+81.42	53.93	348251.27	511029.84	737.74
429	73+00.68	-20.50	348172.72	510952.00	733.60	453	73+81.31	27.84	348251.57	511003.76	736.56
430	73+00.68	-25.50	348173.03	510947.01	733.65	454	73+81.31	23.00	348251.64	510998.92	736.54
431	73+03.20	-20.50	348175.24	510952.16	733.62	455	73+81.30	18.87	348251.70	510994.79	736.30
432	73+12.94	-25.50	348185.26	510947.76	733.82	456	73+81.30	18.50	348251.70	510994.42	736.30
435	73+03.93	26.81	348173.06	510999.43	734.49	457	74+18.08	27.82	348288.33	511004.30	738.13
436	73+03.82	22.01	348173.25	510994.63	734.45	458	74+18.09	22.88	348288.42	510999.36	738.11
437	73+10.00	26.49	348179.14	510999.48	734.45	459	73+81.37	48.93	348251.30	511024.84	737.66
438	73+09.73	21.50	348179.18	510994.48	734.42	460	73+76.37	49.00	348246.30	511024.83	737.58
439	73+17.74	21.08	348187.20	510994.55	734.32	461	73+78.37	-35.61	348249.62	510940.27	735.82
440	73+26.29	25.63	348195.46	510999.62	734.52	462	73+77.33	-43.77	348248.70	510932.09	735.96
441	73+15.46	21.20	348184.91	510994.53	734.35	463	73+78.47	-27.90	348249.59	510947.98	735.47
442	73+15.73	26.19	348184.87	510999.53	734.40	464	73+82.32	-24.70	348253.39	510951.23	735.57
445	73+67.18	28.00	348237.43	511003.70	736.05	465	73+82.11	-43.79	348253.48	510932.15	736.05
446	73+69.72	28.00	348239.97	511003.74	736.08	466	73+83.04	-37.40	348254.31	510938.55	735.89
447	73+69.72	23.00	348240.05	510998.74	736.08	467	73+84.30	-34.91	348255.52	510941.06	735.82
448	73+76.38	54.00	348246.23	511029.83	737.63	468	73+80.98	-30.92	348252.15	510945.00	735.75

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
469	73+87.72	-31.21	348258.89	510944.81	735.89
470	73+84.52	-27.36	348255.64	510948.61	735.81
471	73+88.52	-21.22	348259.54	510954.82	736.22
472	73+90.94	-24.13	348262.01	510951.94	736.07
473	73+92.30	-28.94	348263.44	510947.15	736.14
474	74+20.12	-23.27	348291.17	510953.25	737.45
475	74+20.28	-28.27	348291.40	510948.25	737.52
476	73+75.11	-31.67	348246.29	510944.15	735.84

73+00

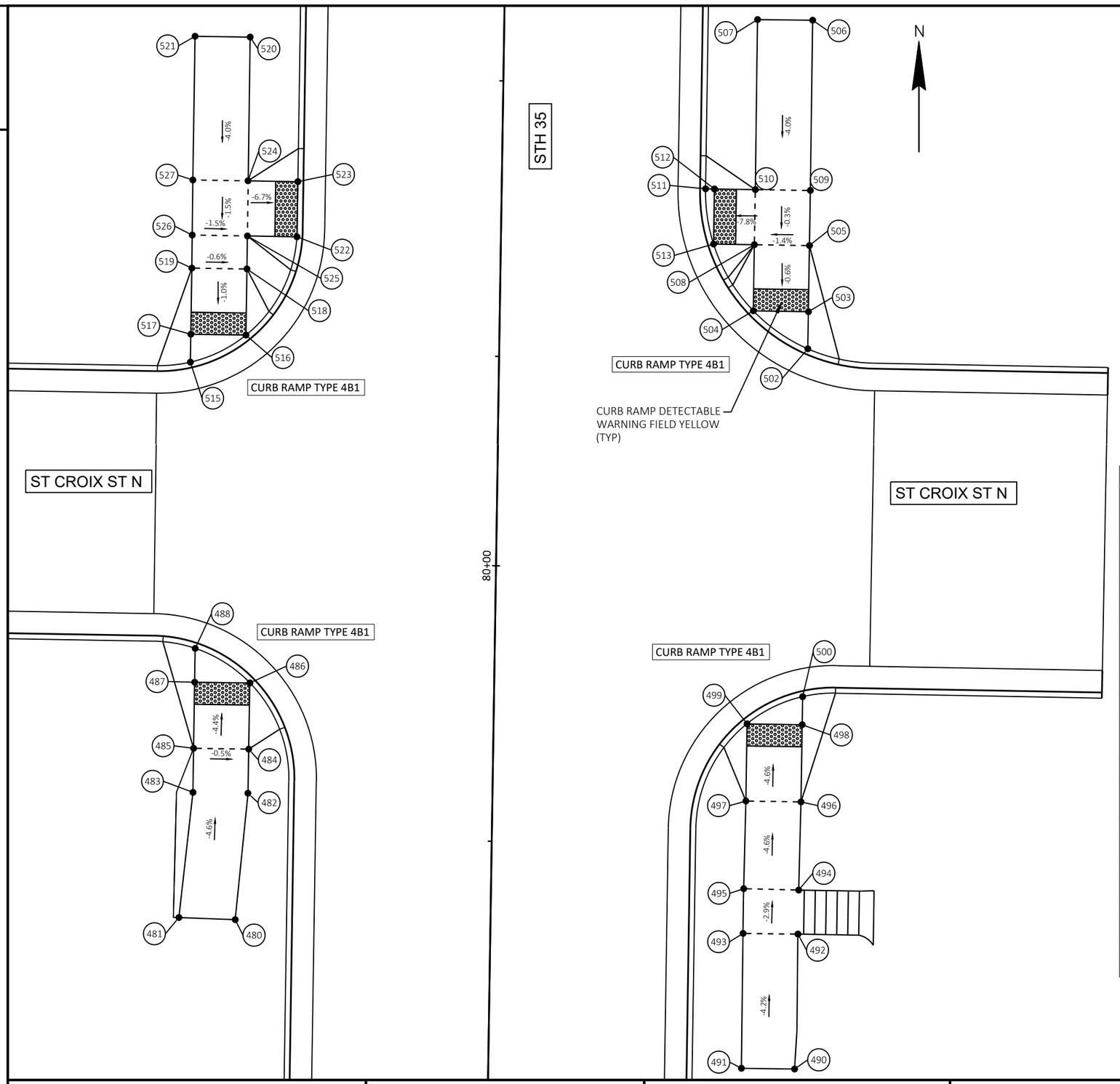
STH 35





WISCONSIN ST

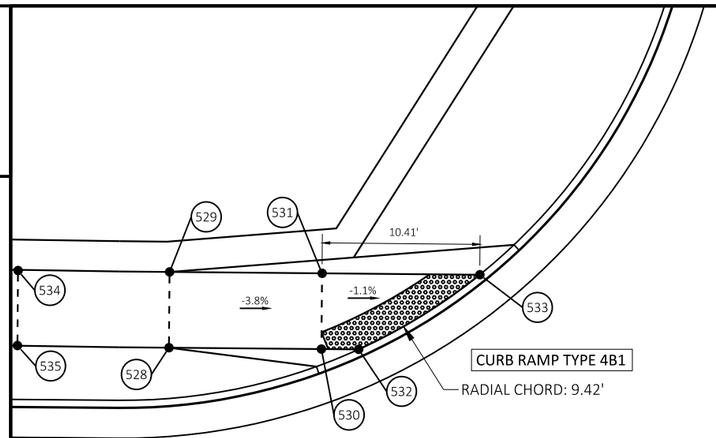
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CURB RAMP DETAILS - STH 35/WISCONSIN ST	SHEET 84	E

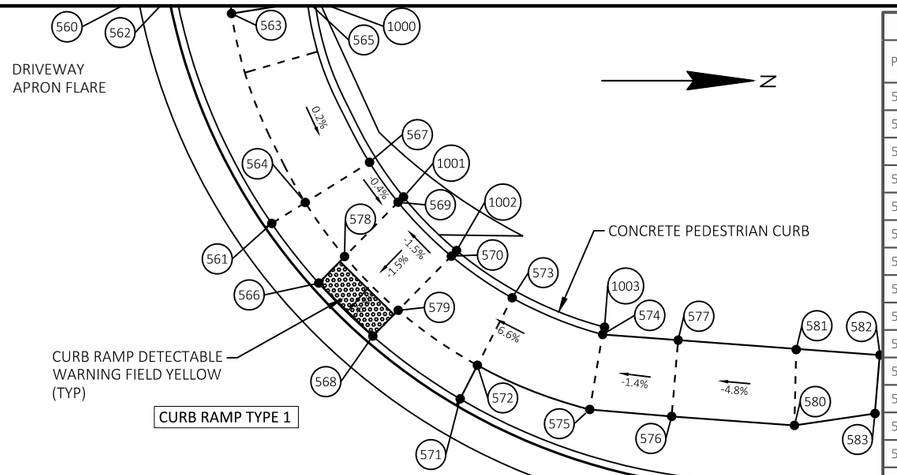


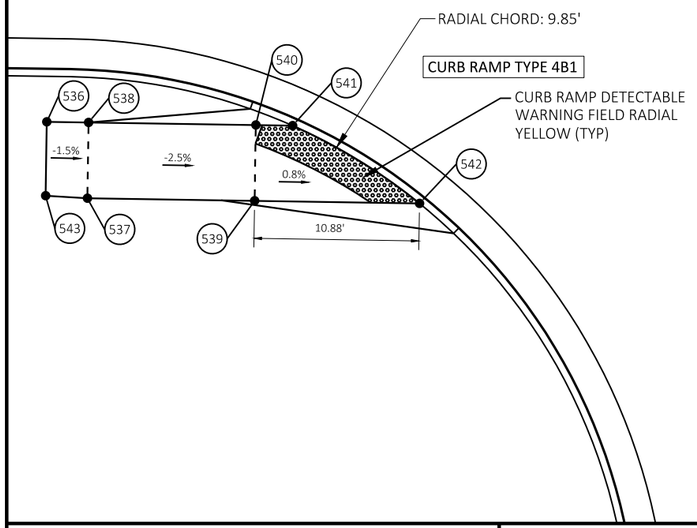
STATION & OFFSET TABLE						STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
480	79+67.52	-23.17	348838.50	510961.84	741.34	505	80+35.49	28.00	348905.66	511014.06	741.19
481	79+67.63	-28.28	348838.68	510956.73	741.38	506	80+55.94	27.97	348926.11	511014.35	741.81
482	79+79.01	-22.20	348849.97	510962.99	740.81	507	80+55.92	22.97	348926.17	511009.35	741.75
483	79+79.01	-27.18	348850.05	510958.01	740.84	508	80+35.49	23.00	348905.74	511009.06	741.12
484	79+83.01	-22.18	348853.97	510963.07	740.63	509	80+40.49	28.01	348910.66	511014.14	741.21
485	79+83.01	-27.18	348854.05	510958.07	740.65	510	80+40.49	23.01	348910.74	511009.15	741.13
486	79+89.02	-22.16	348859.98	510963.18	740.41	511	80+40.49	18.50	348910.81	511004.64	740.83
487	79+89.01	-27.18	348860.05	510958.17	740.33	512	80+40.49	19.30	348910.80	511005.44	740.84
488	79+92.08	-27.18	348863.11	510958.22	740.28	513	80+35.49	19.30	348905.80	511005.36	740.91
490	79+54.75	27.79	348824.94	511012.60	742.94	515	80+24.04	-28.00	348895.09	510957.89	740.10
491	79+54.75	22.97	348825.01	511007.78	742.89	516	80+26.57	-23.00	348897.54	510962.93	740.18
492	79+67.00	27.91	348837.18	511012.91	742.43	517	80+26.57	-28.00	348897.62	510957.93	740.13
493	79+66.98	22.93	348837.24	511007.92	742.36	518	80+32.57	-23.00	348903.54	510963.02	740.23
494	79+71.00	27.92	348841.18	511012.98	742.31	519	80+32.57	-28.00	348903.62	510958.02	740.27
495	79+71.05	22.92	348841.31	511007.99	742.24	520	80+53.61	-23.03	348924.58	510963.31	740.90
496	79+79.00	28.00	348849.18	511013.18	741.95	521	80+53.61	-28.03	348924.66	510958.31	740.92
497	79+79.00	23.00	348849.26	511008.18	741.87	522	80+35.56	-18.52	348906.46	510967.55	740.10
498	79+86.00	28.00	348856.18	511013.29	741.64	523	80+40.56	-18.51	348911.46	510967.64	740.03
499	79+86.00	23.00	348856.26	511008.29	741.55	524	80+40.57	-23.03	348911.54	510963.11	740.34
500	79+88.55	28.00	348858.73	511013.33	741.60	525	80+35.57	-23.00	348906.53	510963.06	740.26
502	80+26.12	28.00	348896.29	511013.91	741.18	526	80+35.57	-28.01	348906.62	510958.06	740.34
503	80+29.49	28.00	348899.66	511013.97	741.15	527	80+40.57	-28.03	348911.62	510958.11	740.41
504	80+29.49	23.00	348899.74	511008.97	741.08						

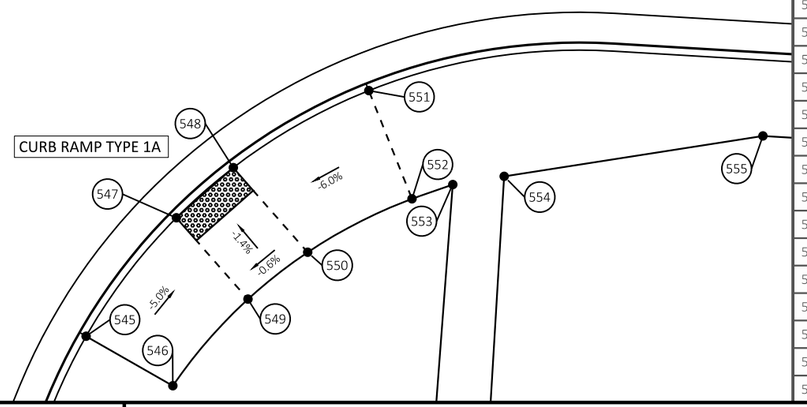
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CURB RAMP DETAILS - STH 35/ST CROIX ST N	SHEET 85	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021310-cr
PLOT DATE : 7/29/2020 1:14 PM
PLOT BY : WOOLEVER, NATHAN
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42









MONROE ST N

PI: 84+21.53

84+00

STH 35

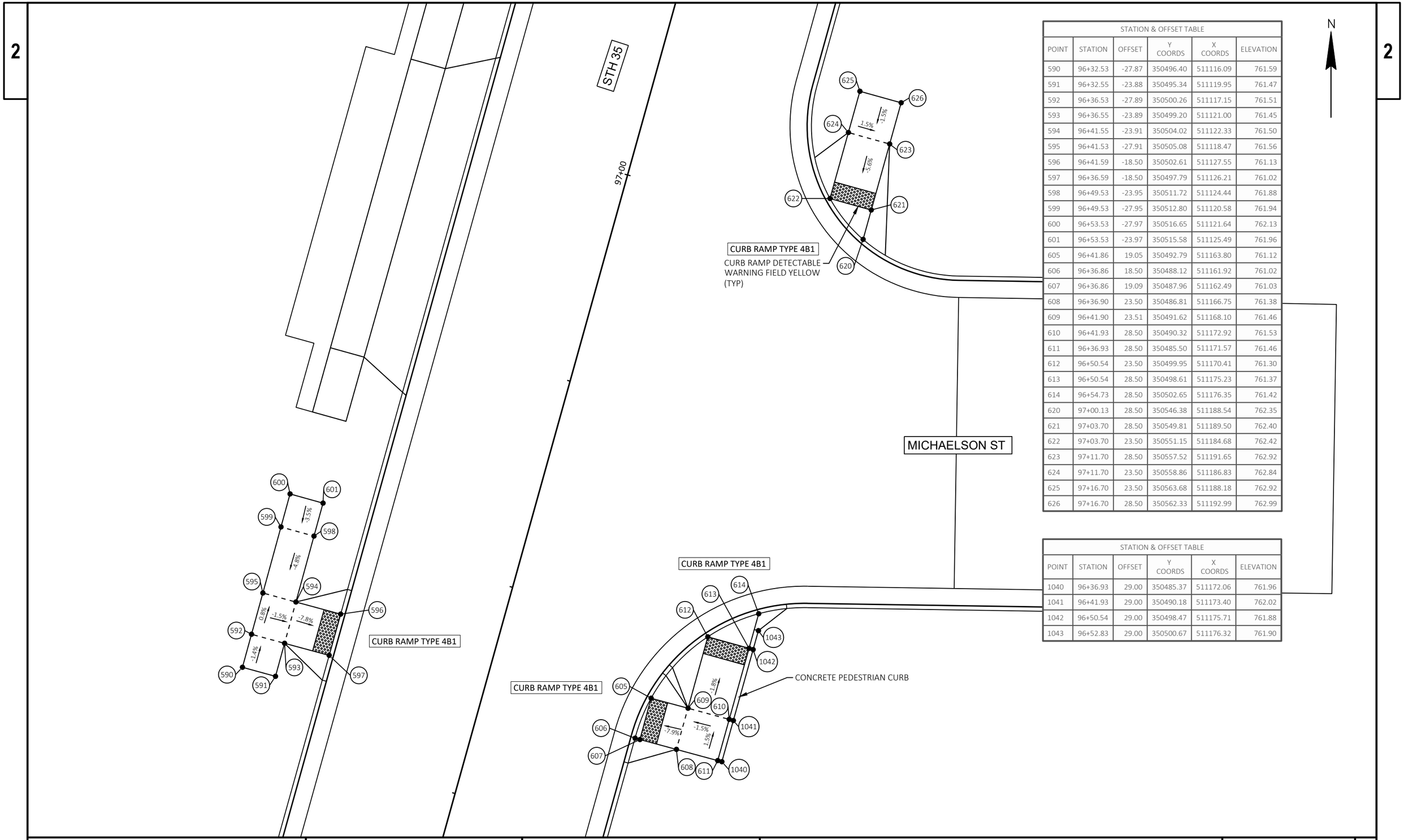
MONROE ST N

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1000	84+49.88	-48.52	349323.27	510945.30	743.22
1001	84+56.48	-35.93	349329.11	510958.26	743.66
1002	84+60.19	-32.60	349332.62	510961.81	743.74
1003	84+70.23	-28.13	349342.38	510966.86	744.36

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
528	83+70.65	-23.05	349241.57	510968.21	742.00
529	83+70.61	-28.05	349241.62	510963.21	742.05
530	83+80.71	-23.12	349251.64	510968.30	741.66
531	83+80.68	-28.12	349251.68	510963.30	741.57
532	83+83.16	-23.13	349254.09	510968.32	741.64
533	83+91.08	-28.19	349262.09	510963.40	741.46
534	83+60.61	-27.99	349231.62	510963.12	742.23
535	83+60.65	-23.03	349231.57	510968.08	742.20
536	83+63.60	25.50	349233.77	511016.65	743.08
537	83+66.36	30.50	349236.46	511021.69	743.11
538	83+66.36	25.50	349236.53	511016.69	743.04
539	83+77.40	30.50	349247.49	511021.86	742.83
540	83+77.40	25.50	349247.57	511016.86	742.79
541	83+79.82	25.50	349250.00	511016.90	742.75
542	83+88.28	30.50	349258.37	511022.03	742.93
543	83+63.60	30.38	349233.70	511021.52	743.17
545	84+46.28	45.34	349314.11	511038.78	744.55
546	84+52.19	48.27	349319.83	511042.05	744.37
547	84+51.76	37.19	349320.06	511030.96	744.14
548	84+55.31	33.67	349323.82	511027.66	744.16
549	84+56.80	42.27	349324.79	511036.34	744.23
550	84+60.55	38.95	349328.73	511033.24	744.28
551	84+63.94	28.05	349332.77	511022.57	744.70
552	84+67.21	35.02	349335.61	511029.72	744.80
553	84+69.84	33.92	349338.30	511028.78	744.84
554	84+73.19	33.17	349341.70	511028.23	744.86
555	84+90.08	29.50	349358.77	511025.57	744.97
560	84+40.47	-49.37	349313.93	510943.89	742.62
561	84+47.90	-33.66	349320.42	510960.02	743.28
562	84+43.96	-52.63	349317.61	510940.84	742.65
563	84+44.43	-47.33	349317.77	510946.17	742.84
564	84+50.03	-35.17	349322.63	510958.63	743.14
565	84+49.39	-48.43	349322.78	510945.36	743.22
566	84+51.23	-29.92	349323.52	510963.95	742.91
567	84+54.10	-38.07	349326.87	510955.98	743.16
568	84+55.00	-26.63	349327.09	510967.45	743.00
569	84+56.14	-35.55	349328.75	510958.61	743.16
570	84+59.86	-32.21	349332.27	510962.17	743.23
571	84+61.00	-22.85	349332.85	510971.59	743.71
572	84+62.01	-25.12	349333.99	510969.38	743.52
573	84+64.03	-29.70	349336.28	510964.92	743.59
574	84+70.13	-27.64	349342.25	510967.34	744.06
575	84+69.58	-22.66	349341.41	510972.29	743.99
576	84+75.00	-22.52	349346.81	510972.74	744.06
577	84+75.13	-27.57	349347.24	510967.71	744.14
578	84+52.83	-31.76	349325.22	510962.20	743.08
579	84+56.57	-28.43	349328.76	510965.75	743.16
580	84+83.13	-22.41	349354.91	510973.34	744.45
581	84+82.95	-27.41	349355.03	510968.34	744.51
582	84+88.49	-27.37	349360.56	510968.70	744.78
583	84+88.38	-23.51	349360.22	510972.55	744.71

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CURB RAMP DETAILS - STH 35/MONROE ST N	SHEET 86	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021311-cr
PLOT DATE : 7/29/2020 1:14 PM
PLOT BY : WOOLEVER, NATHAN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
590	96+32.53	-27.87	350496.40	511116.09	761.59
591	96+32.55	-23.88	350495.34	511119.95	761.47
592	96+36.53	-27.89	350500.26	511117.15	761.51
593	96+36.55	-23.89	350499.20	511121.00	761.45
594	96+41.55	-23.91	350504.02	511122.33	761.50
595	96+41.53	-27.91	350505.08	511118.47	761.56
596	96+41.59	-18.50	350502.61	511127.55	761.13
597	96+36.59	-18.50	350497.79	511126.21	761.02
598	96+49.53	-23.95	350511.72	511124.44	761.88
599	96+49.53	-27.95	350512.80	511120.58	761.94
600	96+53.53	-27.97	350516.65	511121.64	762.13
601	96+53.53	-23.97	350515.58	511125.49	761.96
605	96+41.86	19.05	350492.79	511163.80	761.12
606	96+36.86	18.50	350488.12	511161.92	761.02
607	96+36.86	19.09	350487.96	511162.49	761.03
608	96+36.90	23.50	350486.81	511166.75	761.38
609	96+41.90	23.51	350491.62	511168.10	761.46
610	96+41.93	28.50	350490.32	511172.92	761.53
611	96+36.93	28.50	350485.50	511171.57	761.46
612	96+50.54	23.50	350499.95	511170.41	761.30
613	96+50.54	28.50	350498.61	511175.23	761.37
614	96+54.73	28.50	350502.65	511176.35	761.42
620	97+00.13	28.50	350546.38	511188.54	762.35
621	97+03.70	28.50	350549.81	511189.50	762.40
622	97+03.70	23.50	350551.15	511184.68	762.42
623	97+11.70	28.50	350557.52	511191.65	762.92
624	97+11.70	23.50	350558.86	511186.83	762.84
625	97+16.70	23.50	350563.68	511188.18	762.92
626	97+16.70	28.50	350562.33	511192.99	762.99

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1040	96+36.93	29.00	350485.37	511172.06	761.96
1041	96+41.93	29.00	350490.18	511173.40	762.02
1042	96+50.54	29.00	350498.47	511175.71	761.88
1043	96+52.83	29.00	350500.67	511176.32	761.90

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CURB RAMP DETAILS - STH 35/MICHAELSON ST	SHEET 87	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021312-cr
PLOT DATE : 7/29/2020 1:14 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : ##########

2

2

N

STH 35

SOMMERS ST

PI: 111+01.58

111+00

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
635	110+42.06	-27.55	351854.07	511494.88	785.86
636	110+41.90	-23.69	351852.88	511498.56	785.85
637	110+45.94	-22.64	351856.50	511500.65	785.87
638	110+45.74	-27.64	351857.65	511495.78	785.90
639	110+51.01	-22.85	351861.43	511501.81	785.91
640	110+50.83	-27.85	351862.60	511496.95	785.94
641	110+56.86	-23.09	351867.13	511503.15	785.94
642	110+53.61	-27.96	351865.31	511497.59	785.96
643	110+53.28	-19.43	351862.71	511505.72	786.23
644	110+62.19	-24.10	351872.54	511503.61	785.93
645	110+59.46	-28.20	351871.01	511498.93	785.98
646	110+58.03	-21.33	351867.78	511505.16	785.85
647	110+65.77	-27.74	351876.97	511501.06	786.47
655	110+67.59	30.50	351863.08	511557.65	785.90
656	110+67.79	31.54	351862.99	511558.71	785.92
657	110+72.70	30.60	351867.97	511559.12	786.02
658	110+73.79	36.30	351867.50	511564.91	786.27
659	110+69.28	39.31	351862.34	511566.59	786.20
660	110+84.66	49.48	351874.43	511580.52	786.52
661	110+85.58	44.09	351876.76	511575.58	786.60
662	110+90.66	42.82	351882.00	511575.72	786.35
663	110+92.42	47.53	351882.43	511580.73	786.46
664	110+91.88	47.67	351881.87	511580.71	786.45

CURB RAMP DETECTABLE WARNING FIELD YELLOW

CURB RAMP TYPE 1

CURB RAMP TYPE 4B1

CURB RAMP TYPE 4B1

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CURB RAMP DETAILS - STH 35/SOMMERS ST	SHEET 88 E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021313-cr

PLOT DATE : 7/29/2020 1:14 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : ##########

2

2

EROSION CONTROL GENERAL NOTES

PLACE INLET PROTECTION TYPE C AT THE FIRST INLET DOWNSTREAM OF THE PROJECT ALONG EACH SIDE ROAD.

MATCHLINE STA 207+25

MATCHLINE STA 207+25

MATCHLINE STA 213+25

EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS 1, TYPE A
- SILT FENCE
- SLOPE INTERCEPT
- CULVERT PIPE CHECK
- RIPRAP MEDIUM WITH GEOTEXTILE TYPE R
- (A) INLET PROTECTION TYPE A
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (*C) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE C (AFTER CURB AND GUTTER INSTALLATION)
- (*D) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE D (AFTER CURB AND GUTTER INSTALLATION)

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	EROSION CONTROL	SHEET 89	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022001_ec

PLOT DATE : 7/30/2020 9:37 AM PLOT BY : BEN NESJA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS 1, TYPE A
- SILT FENCE
- SLOPE INTERCEPT
- CULVERT PIPE CHECK
- RIPRAP MEDIUM WITH GEOTEXTILE TYPE R
- (A) INLET PROTECTION TYPE A
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (*C) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE C (AFTER CURB AND GUTTER INSTALLATION)
- (*D) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE D (AFTER CURB AND GUTTER INSTALLATION)

RIPRAP
STH 35/2ND ST
214+00
215+00
216+00
217+00
218+00
219+00
220+00
221+00
222+00
223+00
224+00
225+00
MATCHLINE STA 213+25
MATCHLINE STA 219+25
MATCHLINE STA 219+25
MATCHLINE STA 225+25
CAUTION
CAUTION
TLE
TLE
TLE
BUCKEYE ST
312+00BU
COULEE RD
SOUTH
SIGN
INL
MH
FLAG

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	EROSION CONTROL	SHEET 90	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022002_ec
PLOT DATE : 7/30/2020 9:38 AM
PLOT BY : BEN NESJA
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

2

MATCHLINE STA 225+25

MATCHLINE STA 231+25

MATCHLINE STA 231+25

MATCHLINE STA 237+25

226+00 227+00 228+00 229+00 230+00 231+00

232+00 233+00 234+00 235+00 236+00 237+00

STH 35/2ND ST

STH 35/2ND ST

WISCONSIN ST

332+00WI

COMERCIAL ST

342+00CM

343+00CM

CAUTION

CAUTION

TLE

*D

D

N

EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS 1, TYPE A
- SILT FENCE
- SLOPE INTERCEPT
- CULVERT PIPE CHECK
- RIPRAP MEDIUM WITH GEOTEXTILE TYPE R
- (A) INLET PROTECTION TYPE A
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (*C) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE C (AFTER CURB AND GUTTER INSTALLATION)
- (*D) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE D (AFTER CURB AND GUTTER INSTALLATION)

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	EROSION CONTROL	SHEET 91	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022003_ec

PLOT DATE : 7/30/2020 9:38 AM PLOT BY : BEN NESJA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

N

MATCHLINE STA 237+25

352+00WA

WALNUT ST

362+00LO

LOCUST ST

MATCHLINE STA 18+25

238+00

239+00

240+00

241+00

242+00

18+00

STH 35/2ND ST

353+00WA

363+00LO

TLE

CAUTION

*D

EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS 1, TYPE A
- SILT FENCE
- SLOPE INTERCEPT
- CULVERT PIPE CHECK
- RIPRAP MEDIUM WITH GEOTEXTILE TYPE R
- (A) INLET PROTECTION TYPE A
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (*C) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE C (AFTER CURB AND GUTTER INSTALLATION)
- (*D) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE D (AFTER CURB AND GUTTER INSTALLATION)

N

MATCHLINE STA 18+25

372+00VI

VINE ST

373+00VI

MATCHLINE STA 24+25

19+00

20+00

21+00

22+00

23+00

24+00

STH 35/2ND ST

TLE

CAUTION

*D

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	EROSION CONTROL	SHEET 92	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022004_ec
PLOT DATE : 7/30/2020 9:38 AM
PLOT BY : BEN NESJA
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

MATCHLINE STA 24+25

MATCHLINE STA 30+25

MATCHLINE STA 30+25

MATCHLINE STA 36+25

25+00 26+00 27+00 28+00 29+00 30+00

31+00 32+00 33+00 34+00 35+00 36+00

384+00 385+00 387+00 388+00 391+00 392+00

STH 35/2ND ST

CAUTION

ELM ST

ORANGE ST

MYRTLE ST

TLE

*D

N

EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS 1, TYPE A
- SILT FENCE
- SLOPE INTERCEPT
- CULVERT PIPE CHECK
- RIPRAP MEDIUM WITH GEOTEXTILE TYPE R
- (A) INLET PROTECTION TYPE A
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (*C) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE C (AFTER CURB AND GUTTER INSTALLATION)
- (*D) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE D (AFTER CURB AND GUTTER INSTALLATION)

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	EROSION CONTROL	SHEET 93	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022005_ec

PLOT DATE : 7/30/2020 9:39 AM PLOT BY : BEN NESJA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

MATCHLINE STA 36+25

MATCHLINE STA 42+25

MATCHLINE STA 42+25

MATCHLINE STA 48+25

STH 35/2ND ST

ST CROIX ST

RIVER ST

37+00 38+00 39+00 40+00 41+00 42+00

43+00 44+00 45+00 46+00 47+00 48+00

394+00

396+00

397+00

398+00

CAUTION

TLE

*D

N

EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS 1, TYPE A
- SILT FENCE
- SLOPE INTERCEPT
- CULVERT PIPE CHECK
- RIPRAP MEDIUM WITH GEOTEXTILE TYPE R
- (A) INLET PROTECTION TYPE A
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (*C) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE C (AFTER CURB AND GUTTER INSTALLATION)
- (*D) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE D (AFTER CURB AND GUTTER INSTALLATION)

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	EROSION CONTROL	SHEET 94	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022006_ec

PLOT DATE : 7/30/2020 9:39 AM PLOT BY : BEN NESJA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

MATCHLINE STA 48+25

MATCHLINE STA 54+25

MATCHLINE STA 54+25

MATCHLINE STA 60+25

TLE

TLE

TLE

TLE

CAUTION

CAUTION

49+00

50+00

51+00

52+00

53+00

54+00

55+00

56+00

57+00

58+00

59+00

60+00

*D

MH

DIVISION ST

N

N

EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS 1, TYPE A
- SILT FENCE
- SLOPE INTERCEPT
- CULVERT PIPE CHECK
- RIPRAP MEDIUM WITH GEOTEXTILE TYPE R
- (A) INLET PROTECTION TYPE A
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (*C) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE C (AFTER CURB AND GUTTER INSTALLATION)
- (*D) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE D (AFTER CURB AND GUTTER INSTALLATION)

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	EROSION CONTROL	SHEET 95	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022007_ec

PLOT DATE : 7/30/2020 9:40 AM

PLOT BY : BEN NESJA

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

2

MATCHLINE STA 60+25

MATCHLINE STA 66+25

MATCHLINE STA 66+25

MATCHLINE STA 72+25

NORTH ST

SOUTH ST

405+00

61+00 62+00 63+00 64+00 65+00 66+00

67+00 68+00 69+00 70+00 71+00 72+00

CAUTION

CAUTION

RIPRAP

SIGN

MH

EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS 1, TYPE A
- SILT FENCE
- SLOPE INTERCEPT
- CULVERT PIPE CHECK
- RIPRAP MEDIUM WITH GEOTEXTILE TYPE R
- (A) INLET PROTECTION TYPE A
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (*C) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE C (AFTER CURB AND GUTTER INSTALLATION)
- (*D) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE D (AFTER CURB AND GUTTER INSTALLATION)

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	EROSION CONTROL	SHEET 96	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022008_ec

PLOT DATE : 7/30/2020 9:40 AM PLOT BY : BEN NESJA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

MATCHLINE STA 72+25

MATCHLINE STA 78+25

MATCHLINE STA 78+25

MATCHLINE STA 84+25

WISCONSIN ST N

ST CROIX ST N

MONROE ST N

460+00

410+00

412+00

420+00

73+00 74+00 75+00 76+00 77+00 78+00

79+00 80+00 81+00 82+00 83+00 84+00

CAUTION

TLE

*C

A

N

EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS 1, TYPE A
- SILT FENCE
- SLOPE INTERCEPT
- CULVERT PIPE CHECK
- RIPRAP MEDIUM WITH GEOTEXTILE TYPE R
- (A) INLET PROTECTION TYPE A
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (*C) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE C (AFTER CURB AND GUTTER INSTALLATION)
- (*D) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE D (AFTER CURB AND GUTTER INSTALLATION)

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	EROSION CONTROL	SHEET 97	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022009_ec

PLOT DATE : 7/30/2020 9:40 AM PLOT BY : BEN NESJA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

MATCHLINE STA 84+25

MATCHLINE STA 90+25

MONROE ST N

421+00

85+00 86+00 87+00 88+00 89+00 90+00

91+00 92+00 93+00 94+00 95+00 96+00

CAUTION

TLE

EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS 1, TYPE A
- SILT FENCE
- SLOPE INTERCEPT
- CULVERT PIPE CHECK
- RIPRAP MEDIUM WITH GEOTEXTILE TYPE R
- (A) INLET PROTECTION TYPE A
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (*C) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE C (AFTER CURB AND GUTTER INSTALLATION)
- (*D) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE D (AFTER CURB AND GUTTER INSTALLATION)

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	EROSION CONTROL	SHEET 98	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022010_ec

PLOT DATE : 7/30/2020 9:41 AM PLOT BY : BEN NESJA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

MATCHLINE STA 96+25

97+00 98+00 99+00 100+00 101+00 102+00

MATCHLINE STA 102+25

MATCHLINE STA 102+25

103+00 104+00 105+00 106+00 107+00 108+00

MATCHLINE STA 108+25

TLE

CAUTION

MICHAELSON ST N

42ND

EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS 1, TYPE A
- SILT FENCE
- SLOPE INTERCEPT
- CULVERT PIPE CHECK
- RIPRAP MEDIUM WITH GEOTEXTILE TYPE R
- (A) INLET PROTECTION TYPE A
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (*C) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE C (AFTER CURB AND GUTTER INSTALLATION)
- (*D) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE D (AFTER CURB AND GUTTER INSTALLATION)

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	EROSION CONTROL	SHEET 99	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022011_ec

PLOT DATE : 7/30/2020 9:41 AM PLOT BY : BEN NESJA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

MATCHLINE STA 108+25

MATCHLINE STA 113+50

MATCHLINE STA 113+50

TLE

CAUTION

*C

109+00

110+00

111+00

112+00

113+00

426+00

427+00

A

SOMMERS ST N

TLE

TLE

EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS 1, TYPE A
- SILT FENCE
- SLOPE INTERCEPT
- CULVERT PIPE CHECK
- RIPRAP MEDIUM WITH GEOTEXTILE TYPE R
- (A) INLET PROTECTION TYPE A
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (*C) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE C (AFTER CURB AND GUTTER INSTALLATION)
- (*D) INLET PROTECTION TYPE A (BEFORE CURB AND GUTTER INSTALLATION) INLET PROTECTION TYPE D (AFTER CURB AND GUTTER INSTALLATION)

MATCHLINE STA 113+50

114+00

115+00

116+00

117+00

118+00

119+00

CAUTION

TLE

TLE

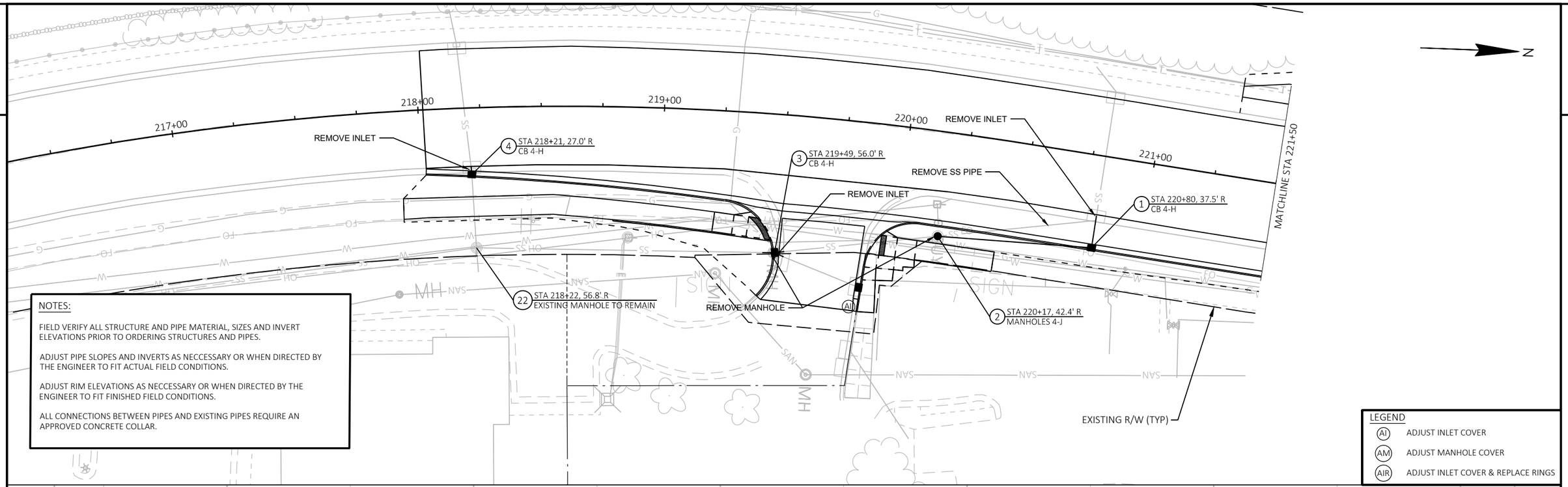
PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	EROSION CONTROL	SHEET 100	E

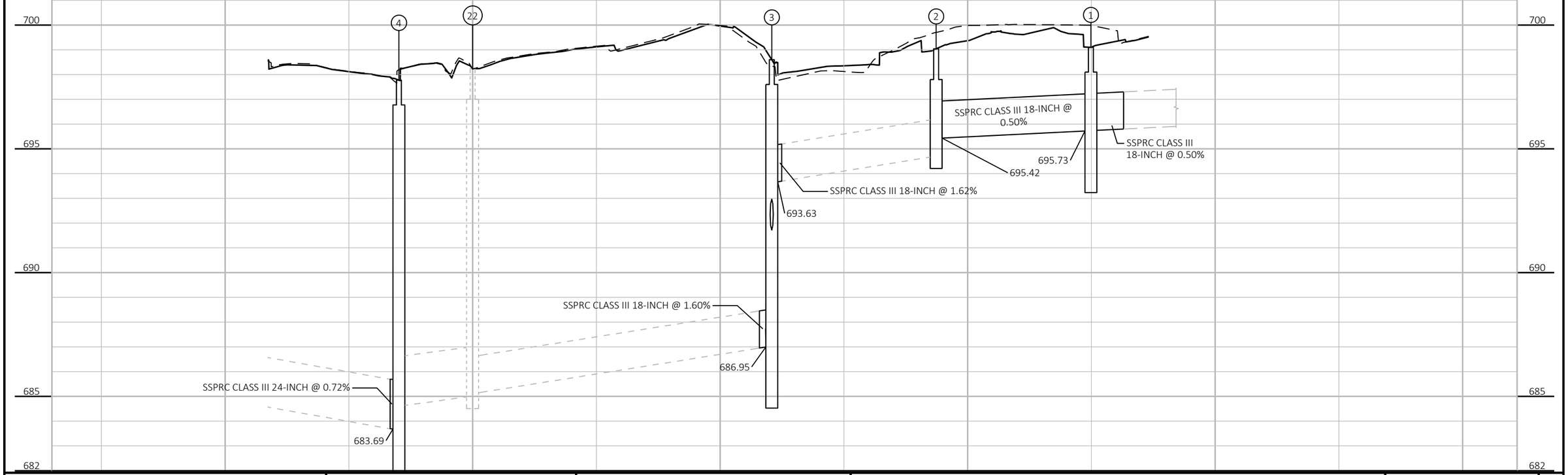
FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022012_ec

PLOT DATE : 7/30/2020 9:41 AM PLOT BY : BEN NESJA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

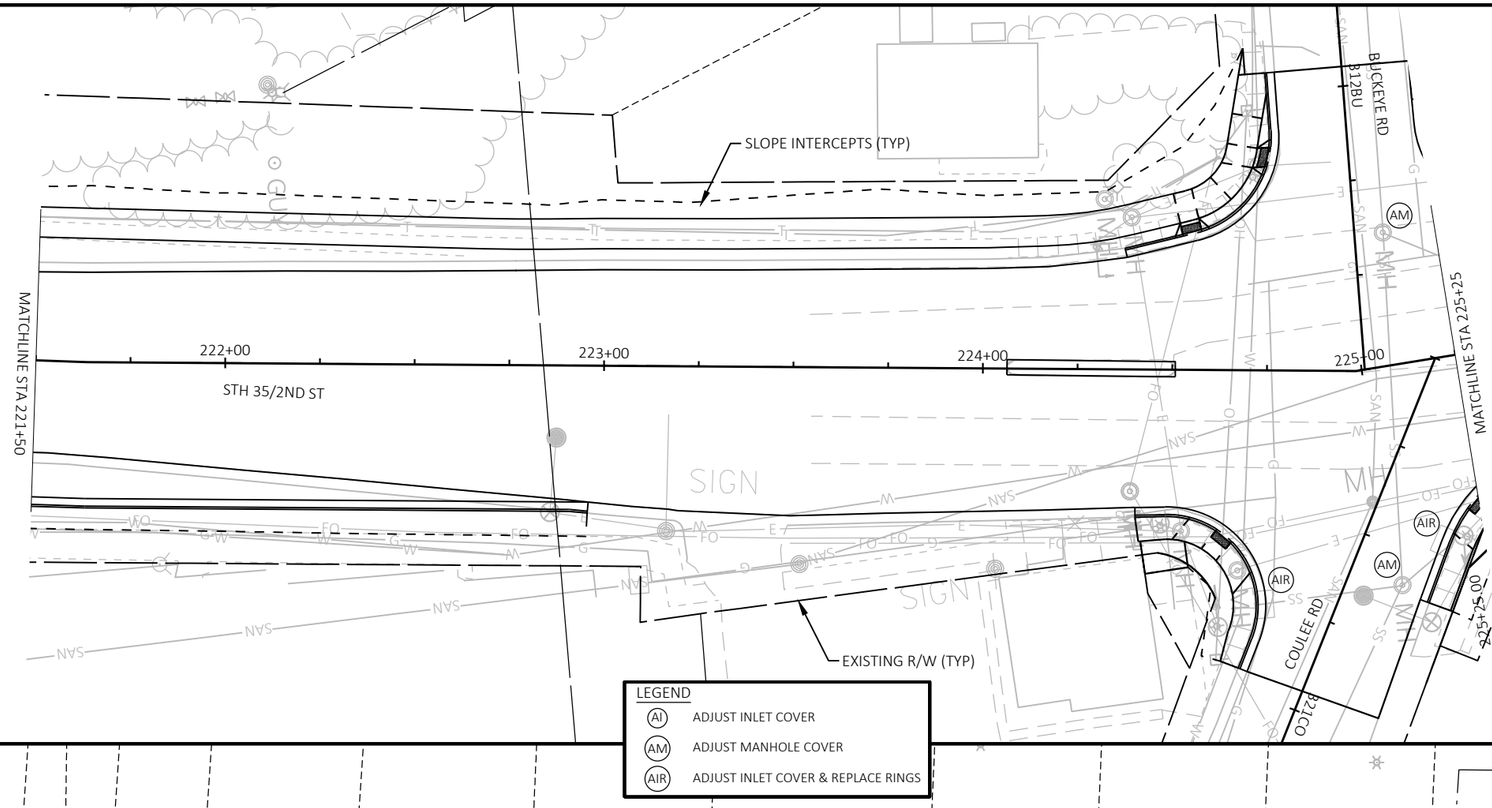
2





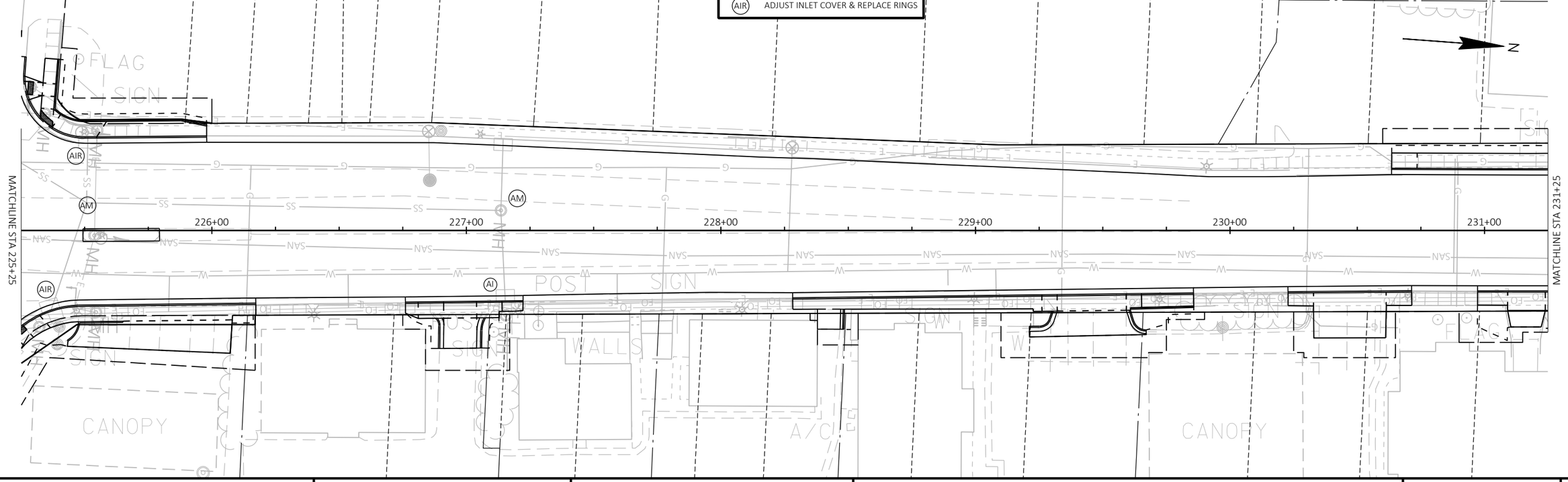
PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	STORM SEWER	SHEET 101	E

2



LEGEND

- (AI) ADJUST INLET COVER
- (AM) ADJUST MANHOLE COVER
- (AIR) ADJUST INLET COVER & REPLACE RINGS



PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	STORM SEWER	SHEET 102	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022502_ss

PLOT DATE : 7/30/2020 9:42 AM PLOT BY : BEN NESJA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

REFER TO CITY OF HUDSON WATER AND SANITARY SEWER PLANS.

332WI

342CM

343CM

MATCHLINE STA 231+25

MATCHLINE STA 237+25

232+00 233+00 234+00 235+00 236+00 237+00

LEGEND

(AI) ADJUST INLET COVER

(AM) ADJUST MANHOLE COVER

(AIR) ADJUST INLET COVER & REPLACE RINGS

352WA

353WA

362LO

REFER TO CITY OF HUDSON WATER AND SANITARY SEWER PLANS.

MATCHLINE STA 237+25

MATCHLINE STA 18+25

238+00 239+00 240+00 241+00 242+00 18+00

STA BACK = 242+87.90

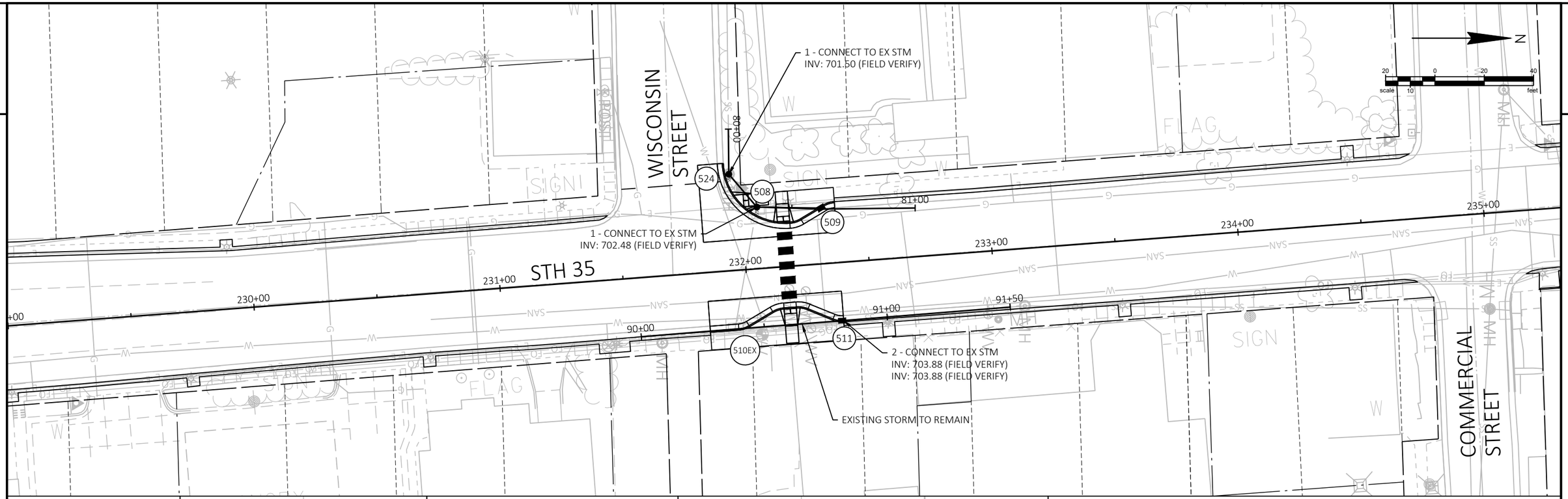
STA AHEAD = 17+87.90

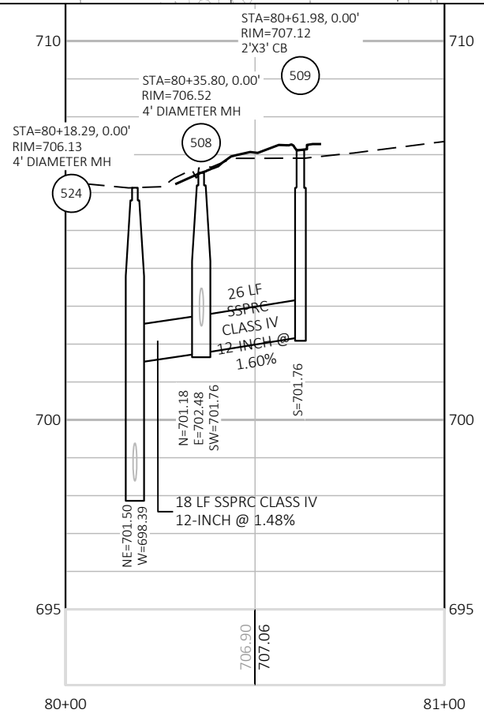
PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	STORM SEWER	SHEET 103	E

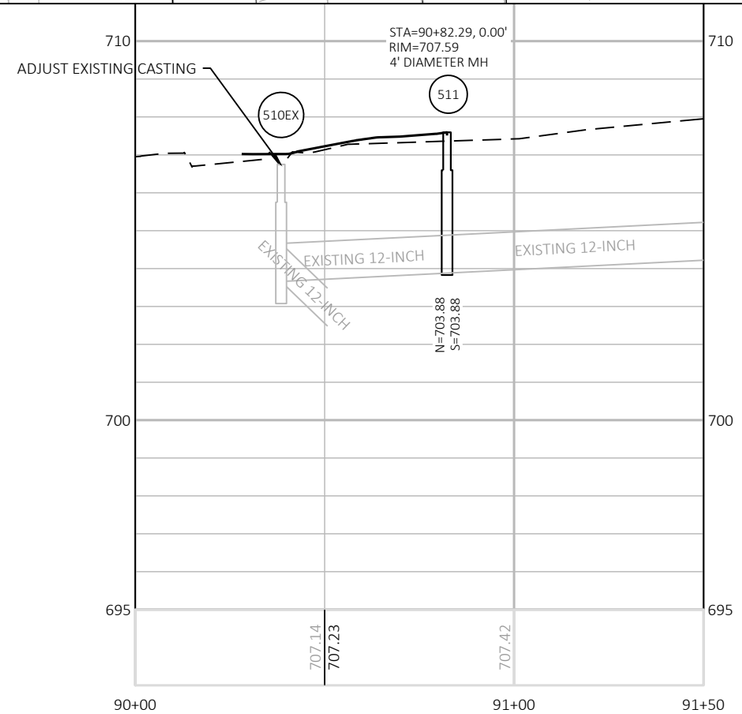
FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022503_ss

PLOT DATE : 7/30/2020 9:43 AM PLOT BY : BEN NESJA PLOT NAME : PLOT SCALE : ##########

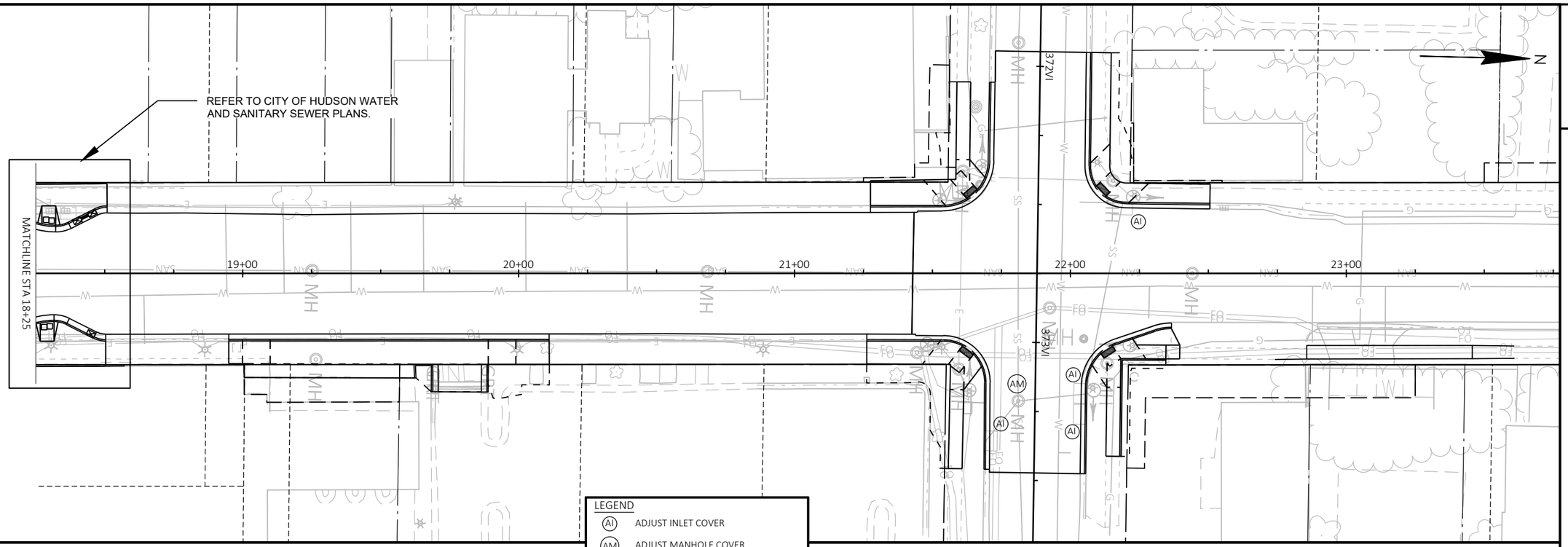
2







PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	PEDESTRIAN IMPROVEMENTS	SHEET 104	E



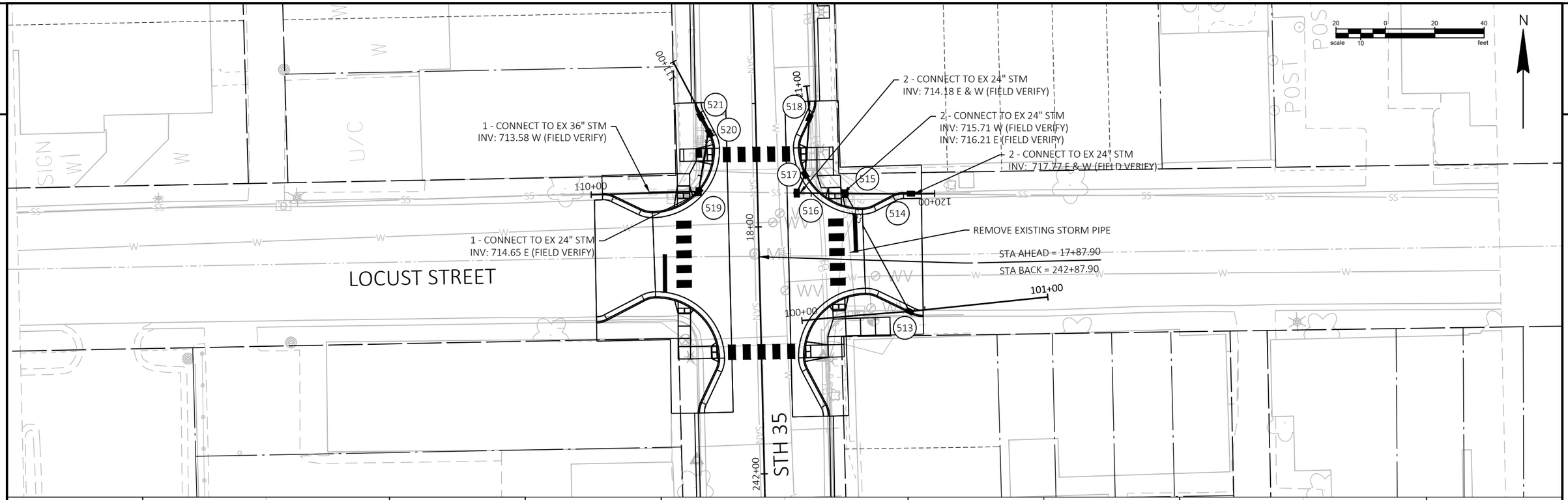
LEGEND

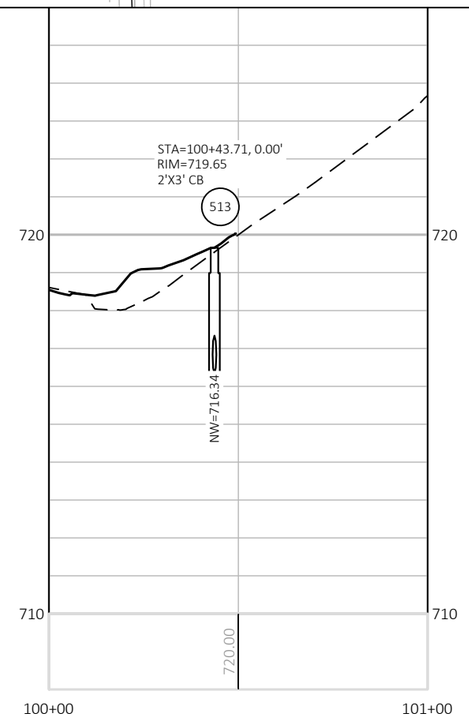
(AI)	ADJUST INLET COVER
(AM)	ADJUST MANHOLE COVER
(AIR)	ADJUST INLET COVER & REPLACE RINGS

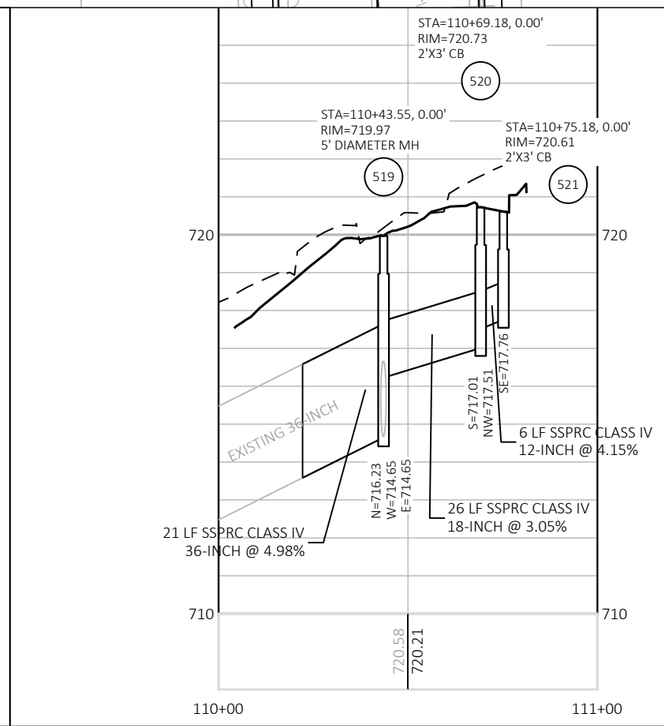
2

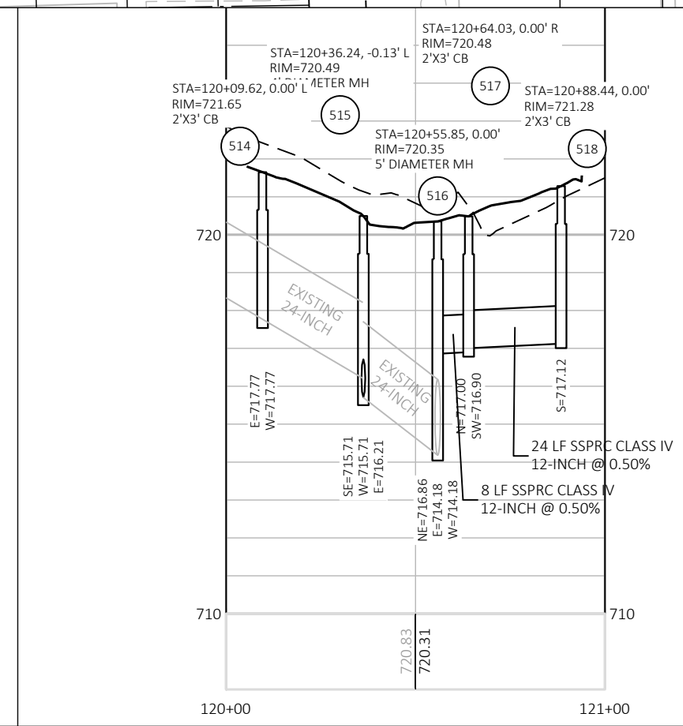
PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	STORM SEWER	SHEET 105	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022504_ss
PLOT DATE : 7/30/2020 9:43 AM
PLOT BY : BEN NESJA
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44



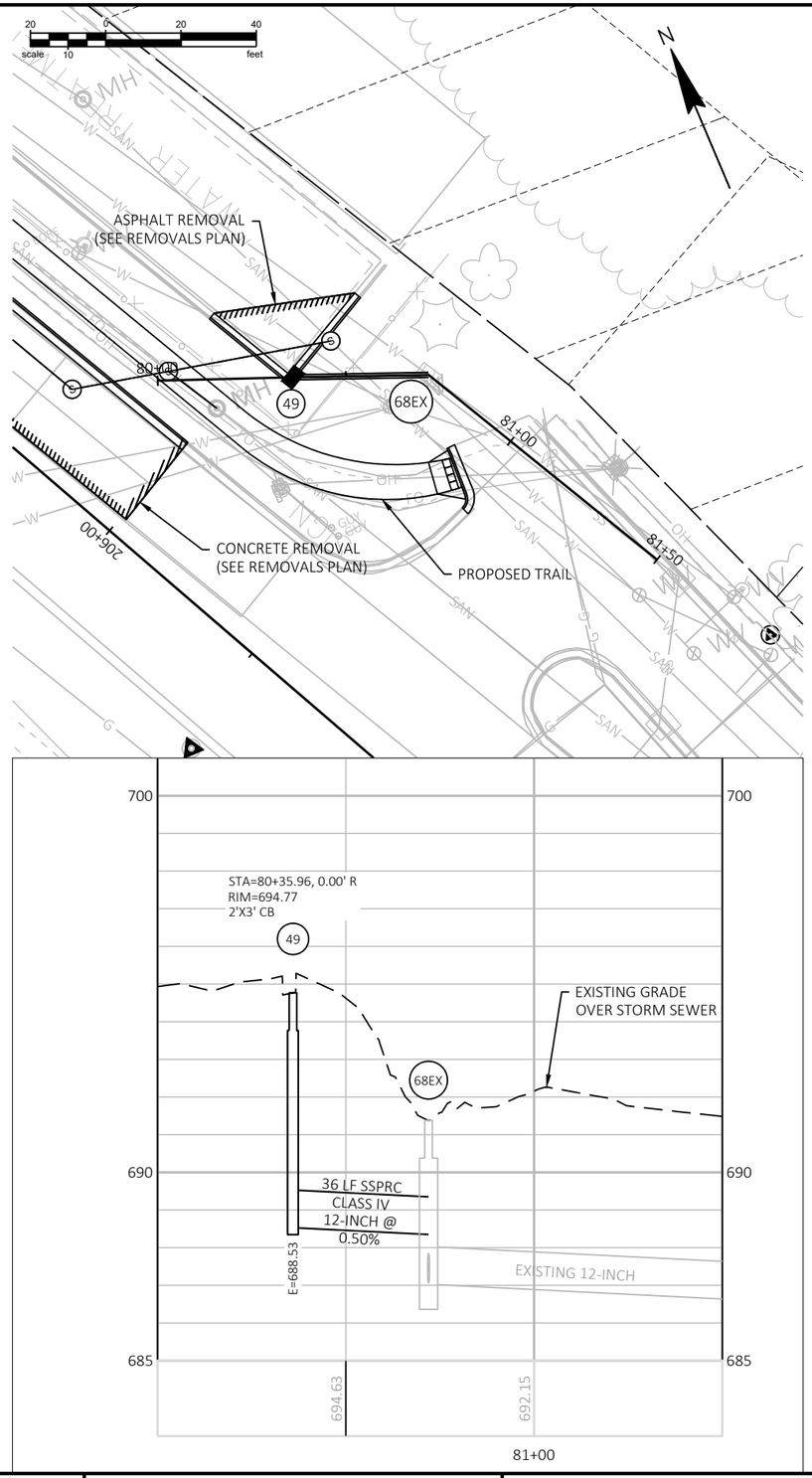






PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	PEDESTRIAN IMPROVEMENTS	SHEET 106	E

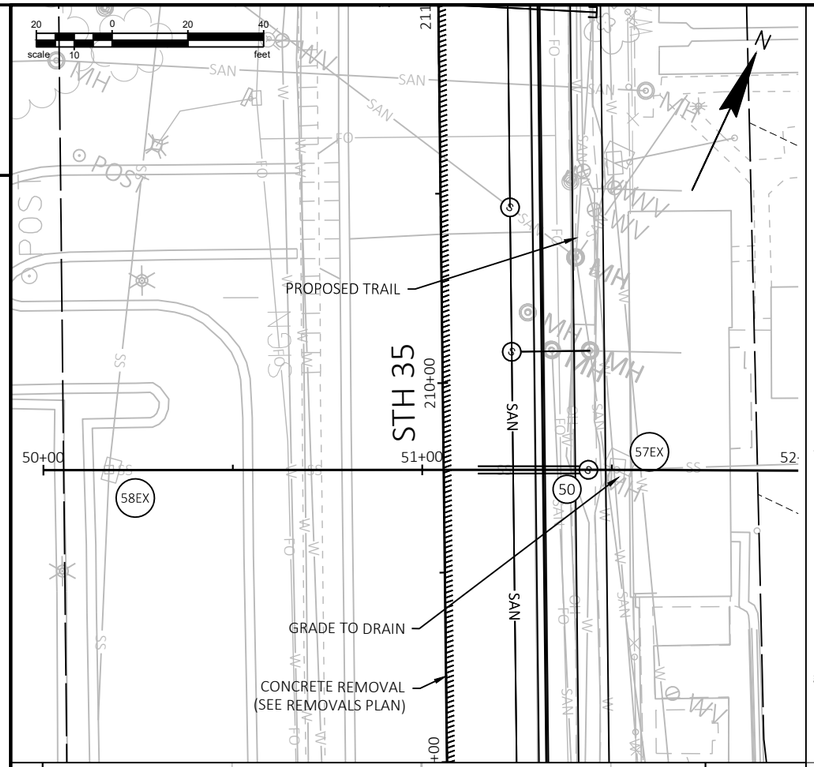
2

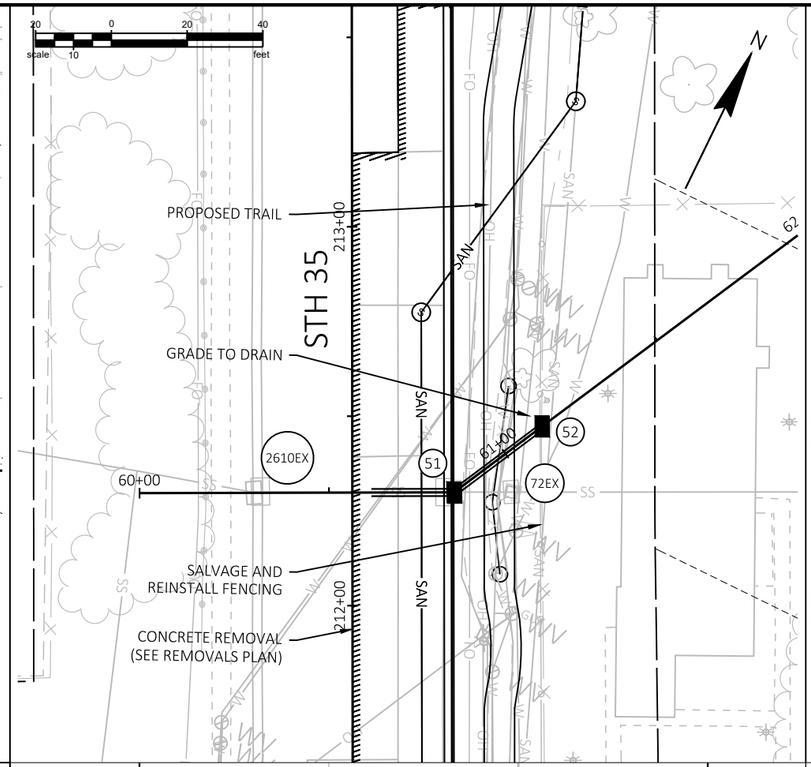


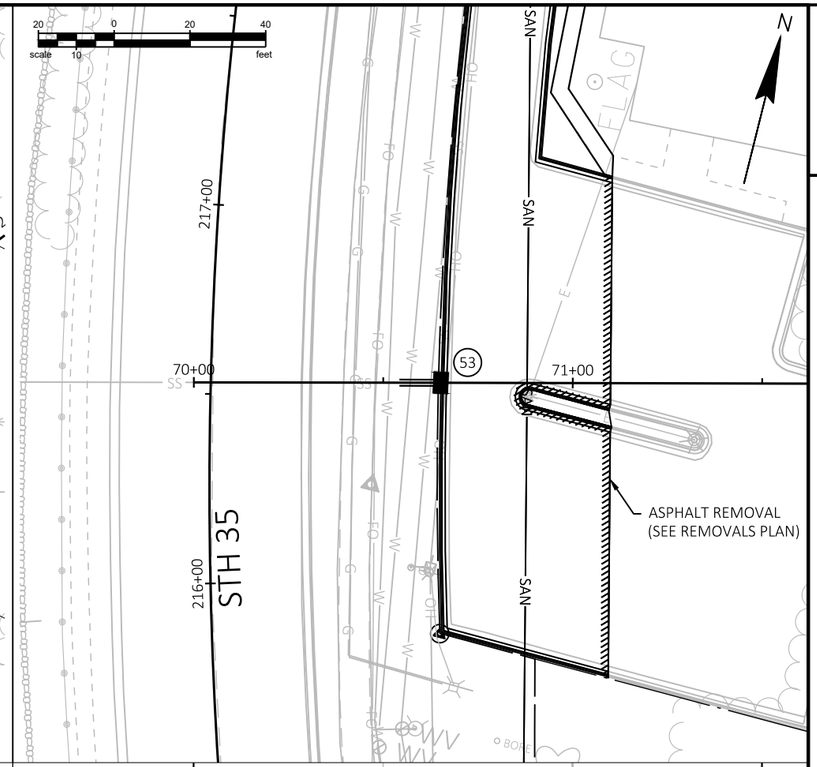
PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	PEDESTRIAN IMPROVEMENTS	SHEET 107	E

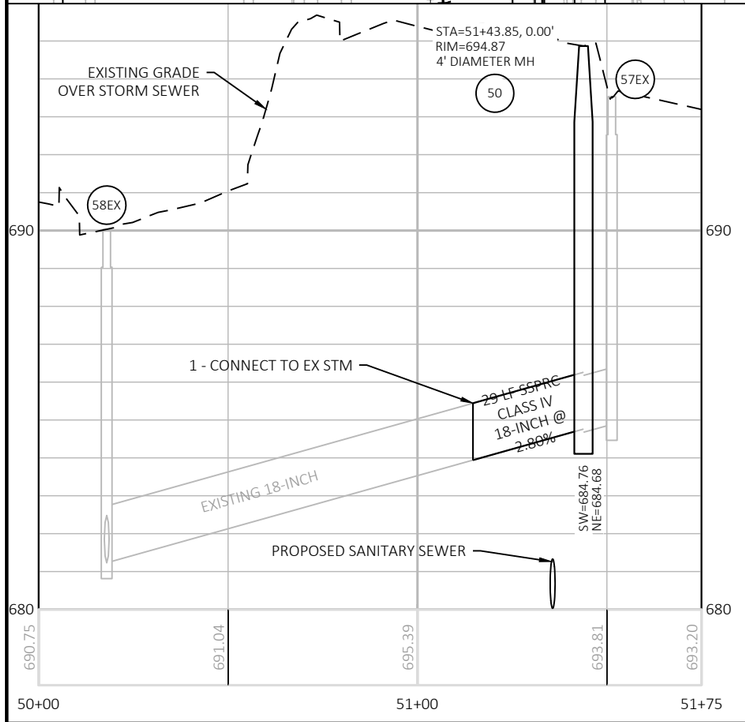
FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626PP - WWTP STORM.DWG
LAYOUT NAME - WWTP Storm 1

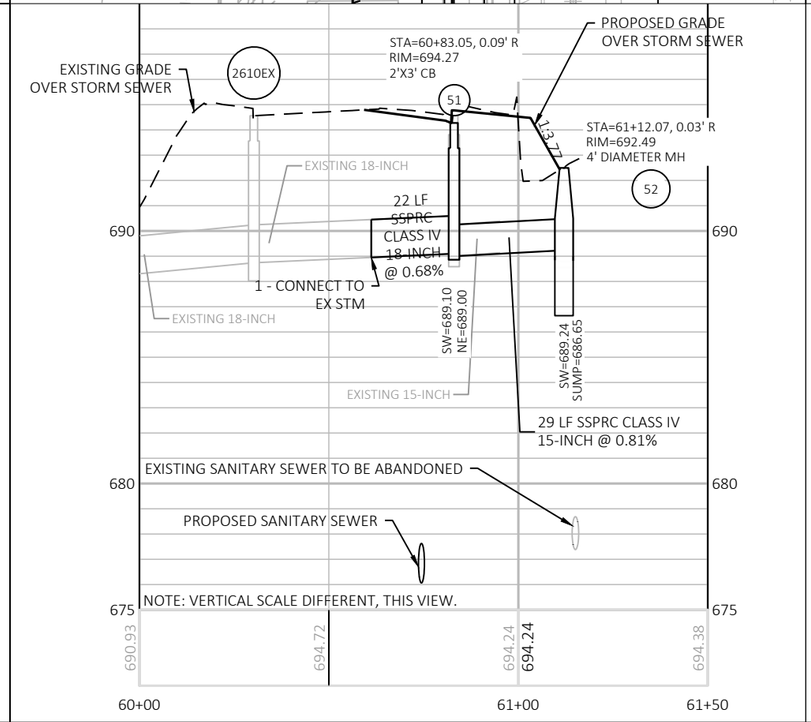
PLOT DATE : 9/4/2020 1:04 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : ##########

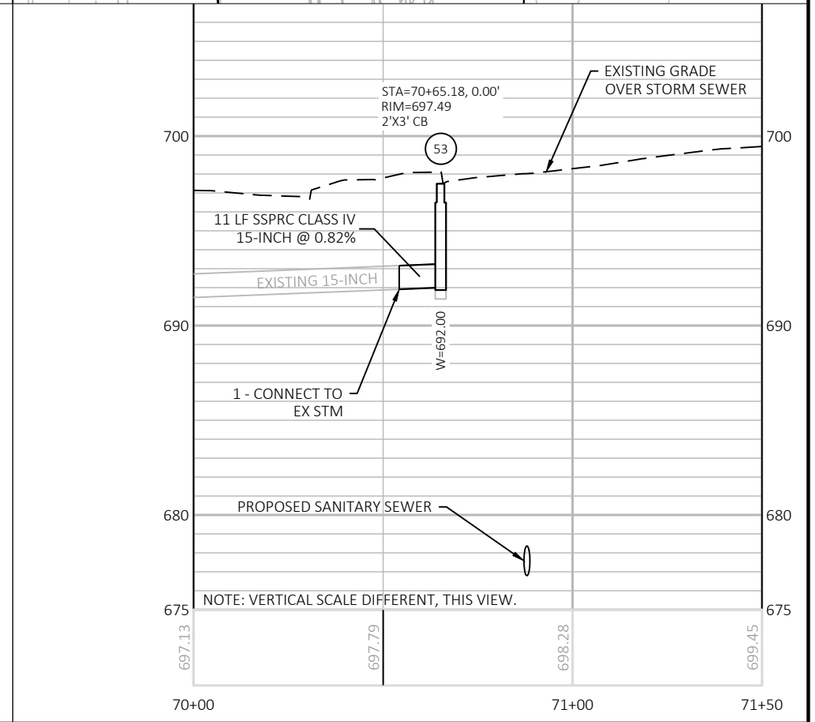




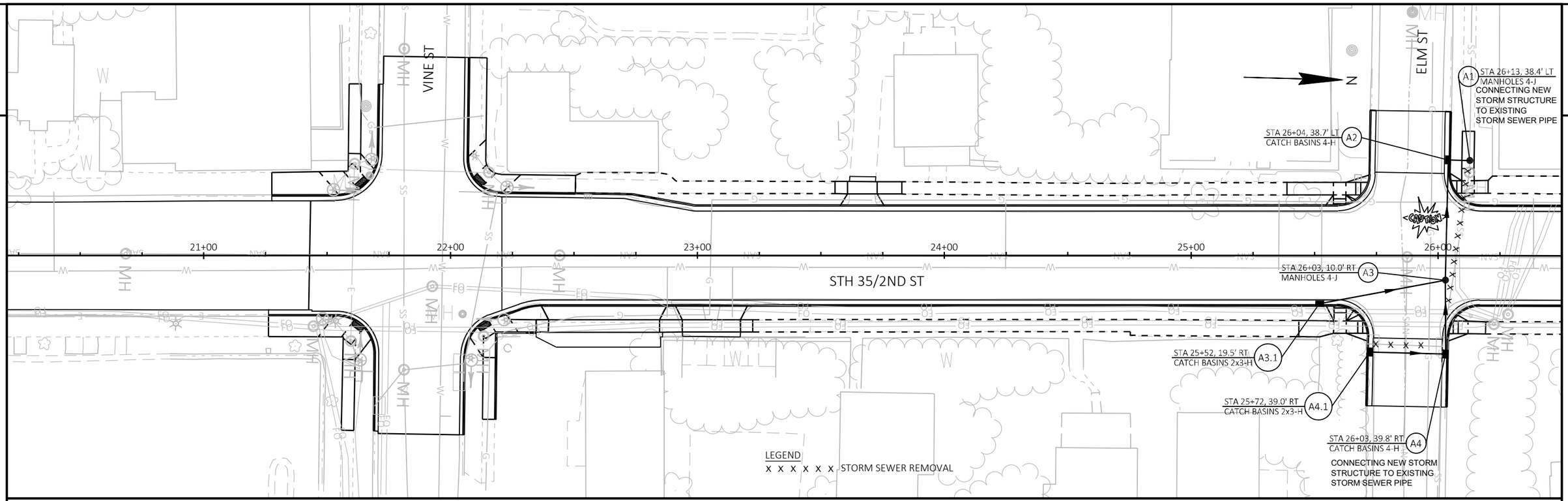


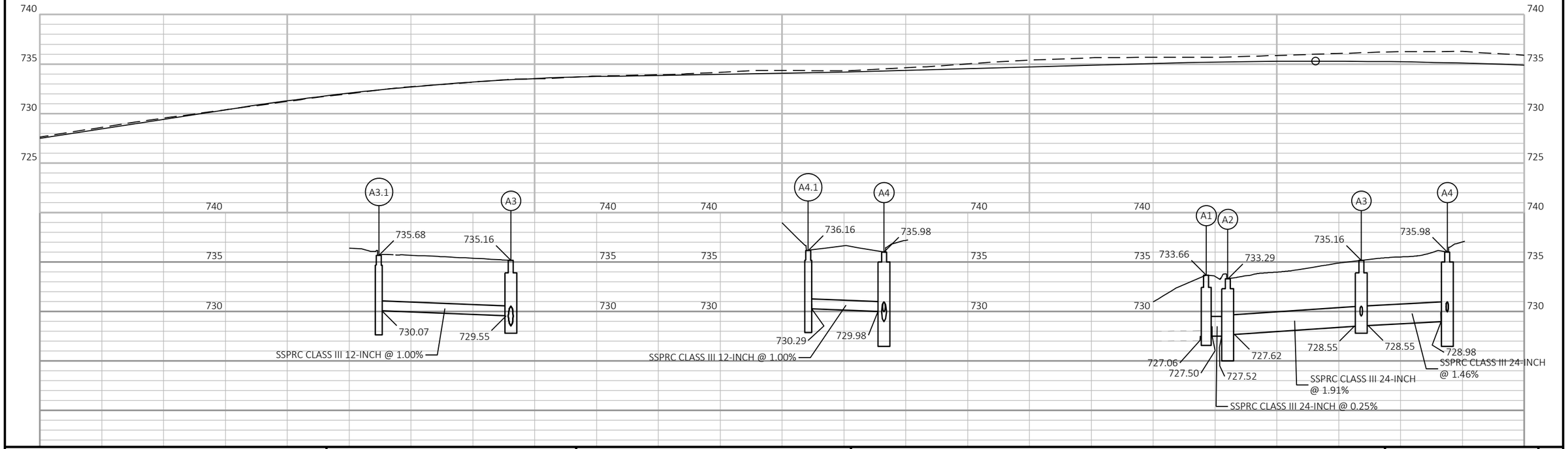




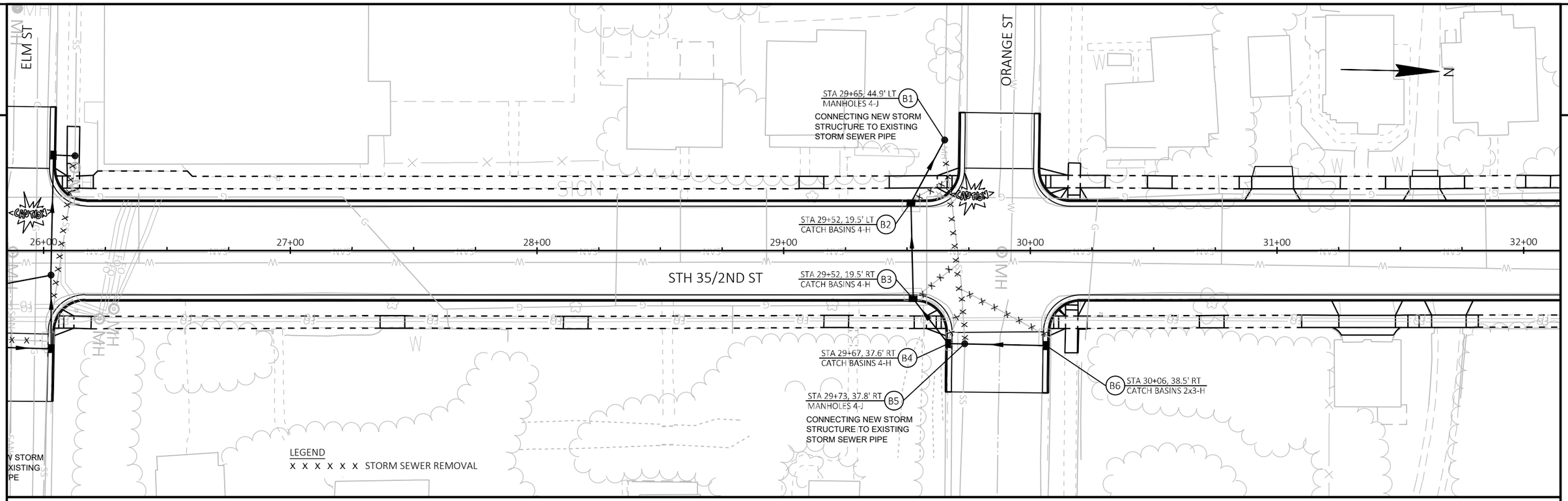


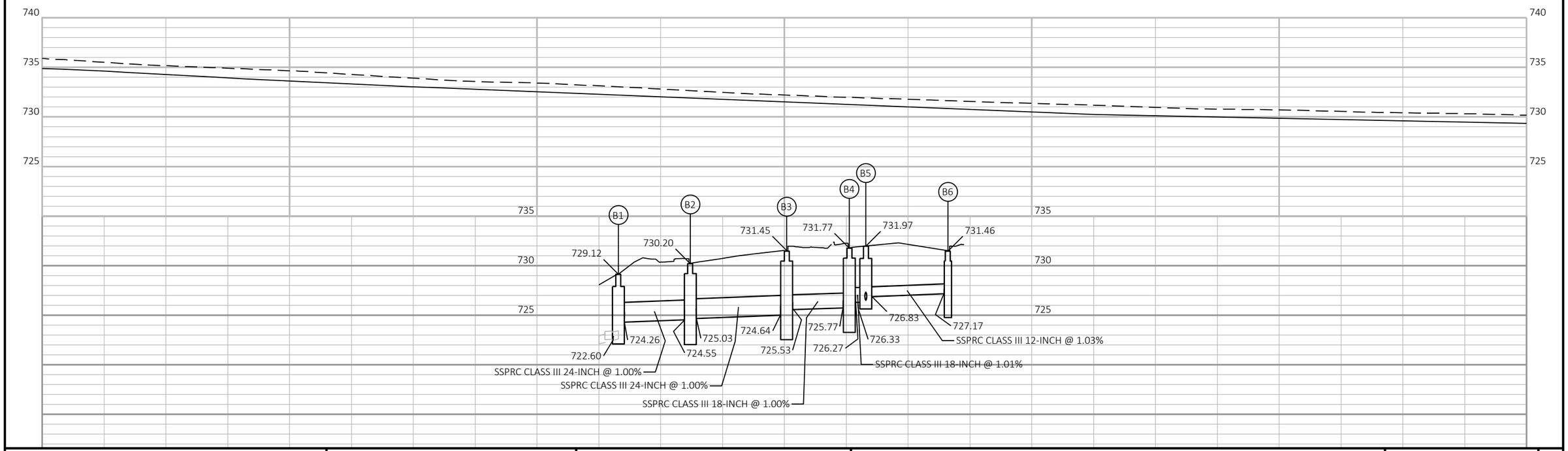
PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	PEDESTRIAN IMPROVEMENTS	SHEET 108	E





PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	STORM SEWER:	SHEET 109	E

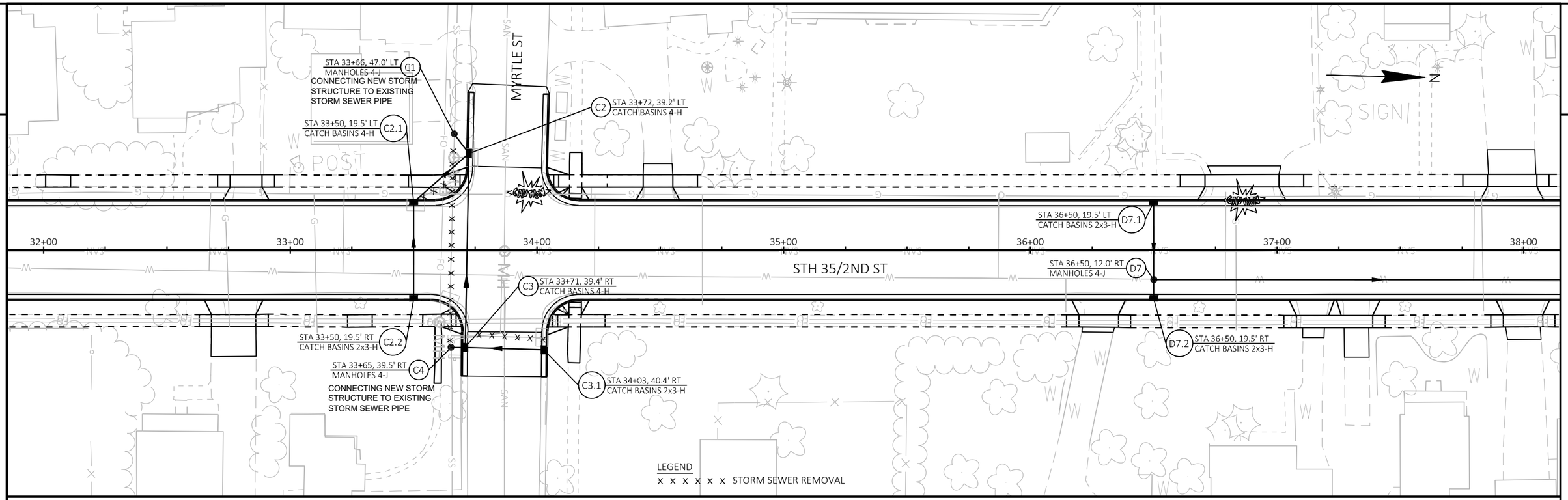


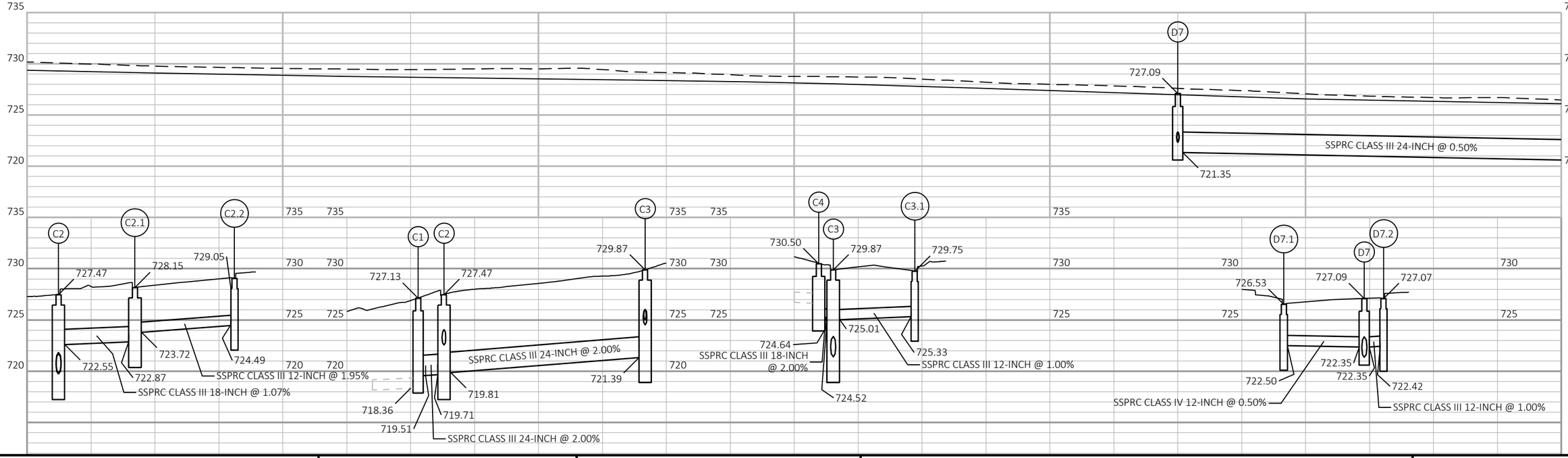


PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	STORM SEWER:	SHEET 110	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022502-ss
PLOT DATE : 7/27/2020 11:18 AM
PLOT BY : AYRES ASSOCIATES
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2





PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	STORM SEWER:	SHEET 111	E

2

2

STA 42+00, 64.1' LT
MANHOLES 4-J
D1
CONNECTING NEW STORM STRUCTURE TO EXISTING STORM SEWER PIPE

STA 41+94, 45.6' LT
CATCH BASINS 4-H
D1A

STA 41+49, 19.5' LT
CATCH BASINS 2x3-H
D3.1

ST CROIX ST

N

D6.1 STA 38+25, 19.5' LT
CATCH BASINS 2x3-H

STA 40+00, 19.5' LT
CATCH BASINS 2x3-H
D5.1

CAUTION

CAUTION

D4.1 STA 42+49, 19.5' LT
CATCH BASINS 2x3-H

STA 41+49, 3.3' RT
CATCH BASINS 4-Z
D3.2

D2 STA 41+92, 12.0' RT
MANHOLES 5-J

D4.2 STA 42+49, 3.3' RT
CATCH BASINS 4-Z

38+00 39+00 40+00 41+00 42+00 43+00 44+00

STH 35/2ND ST

D6 STA 38+25, 12.0' RT
MANHOLES 4-J

D4 STA 42+49, 12.0' RT
MANHOLES 4-J

STA 40+00, 19.5' RT
CATCH BASINS 2x3-H
D5.2

D5 STA 40+00, 12.0' RT
MANHOLES 4-J

STA 41+49, 12.0' RT
MANHOLES 4-J
D3

D6.2 STA 38+25, 19.5' RT
CATCH BASINS 2x3-H

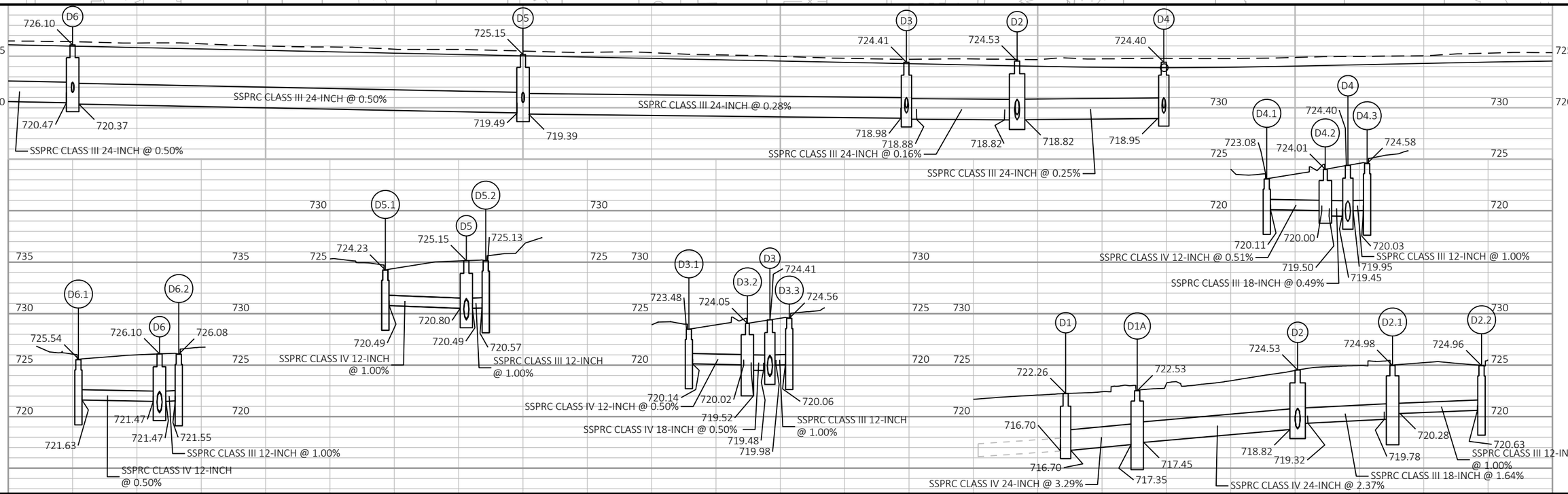
STA 41+49, 19.5' RT
CATCH BASINS 2x3-H
D3.3

D4.3 STA 42+49, 19.5' RT
CATCH BASINS 2x3-H

STA 41+84, 39.0' RT
CATCH BASINS 4-H
D2.1

D2.2 STA 42+18, 39.2' RT
CATCH BASINS 2x3-H

LEGEND
x x x x x x STORM SEWER REMOVAL



PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	STORM SEWER:	SHEET 112	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022504-ss
PLOT DATE : 1/12/2021 1:06 PM
PLOT BY : AYRES ASSOCIATES
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

2

RIVER ST

STA 46+82, 57.9' LT
CONNECTING NEW STORM SEWER PIPE TO EXISTING STORM SEWER PIPE

E1 STA 46+79, 42.4' LT
CATCH BASINS 4-H

E4.1 STA 47+00, 18.9' LT
CATCH BASINS 2x3-H

STA 48+75, 17.5' LT
CATCH BASINS 2x3-H E5.1

STA 46+77, 10.0' RT
MANHOLES 5-J E2

E4 STA 47+00, 10.0' RT
MANHOLES 4-J

STA 46+31, 19.5' RT
CATCH BASINS 2x3-H E3.3

STH 35/2ND ST

E5 STA 48+75, 10.0' RT
MANHOLES 4-J

STA 46+47, 38.0' RT
CATCH BASINS 2x3-H E3.2

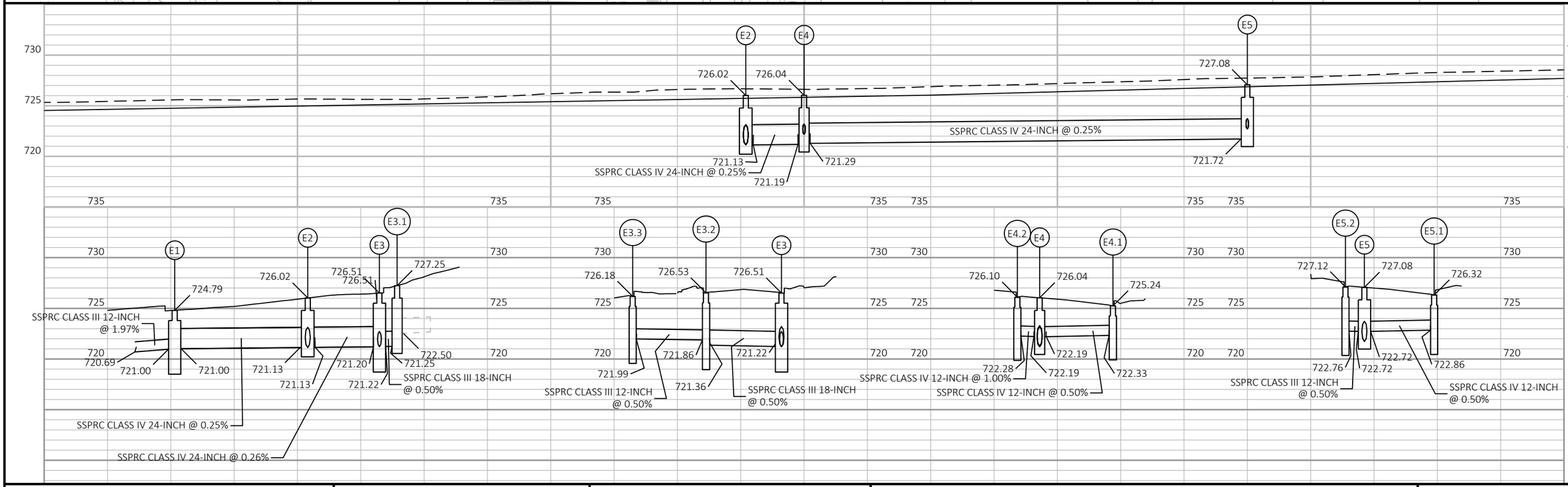
E4.2 STA 47+00, 18.8' RT
CATCH BASINS 2x3-H

E5.2 STA 48+75, 17.5' RT
CATCH BASINS 2x3-H

STA 46+77, 38.3' RT
CATCH BASINS 4-H E3

E3.1 STA 46+81, 43.7' RT
MANHOLES 4-J
CONNECTING NEW STORM STRUCTURE TO EXISTING STORM SEWER PIPE

LEGEND
x x x x x x STORM SEWER REMOVAL



PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	STORM SEWER:	SHEET 113	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022505-ss
PLOT DATE : 1/12/2021 1:06 PM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

2

DIVISION ST

N

G4 STA 51+35, 38.3' LT
CATCH BASINS 4-H
CONNECTING NEW STORM
STRUCTURE TO EXISTING
STORM SEWER PIPE

F7.1 STA 52+37, 16.5' LT
CATCH BASINS 2x3-H

STA 55+00, 8.0' LT
MANHOLES 4-J F6

F6.1 STA 55+00, 16.5' LT
CATCH BASINS 2x3-H

STA 52+37, 8.0' LT
MANHOLES 4-J F7

50+00 51+00 52+00 53+00 54+00 55+00 56+00

STH 35/2ND ST

STA 50+98, 20.3' RT
CATCH BASINS 2x3-H G5.2

STA 51+03, 49.8' RT
CATCH BASINS 4-H G5.1

G5 STA 51+34, 50.7' RT
CATCH BASINS 4-H
CONNECTING NEW STORM
STRUCTURE TO EXISTING
STORM SEWER PIPE

F7.2 STA 52+37, 16.5' RT
CATCH BASINS 2x3-H
CONNECTING NEW STORM
STRUCTURE TO EXISTING
STORM SEWER PIPE

F6.2 STA 55+00, 16.5' RT
CATCH BASINS 2x3-H
CONNECTING NEW STORM
STRUCTURE TO EXISTING
STORM SEWER PIPE

LEGEND
X X X X X X STORM SEWER REMOVAL

730 725 720 715 710 705

G5.2 G5.1 G5 F7 F6

728.33 730.00 730.12 726.37 714.58

724.44 724.29 723.79 723.63 720.64 708.88 708.28

SSPRC CLASS IV 12-INCH
@ 0.50%

SSPRC CLASS III 18-INCH
@ 0.50%

SSPRC CLASS III 24-INCH @ 4.47%

SSPRC CLASS III 24-INCH @ 5.95%

G4 G5

727.25 730.12 728.33

SSPRC CLASS IV 24-INCH @ 0.25%

723.30 723.30 723.53

F7.2 F7 F7.1

726.18 726.37 726.18

723.33 721.14 721.64 721.69 721.28

SSPRC CLASS III 12-INCH @ 0.65%

SSPRC CLASS III 18-INCH @ 0.60%

F6.1 F6 F6.2

714.36 714.58 714.36

710.03 709.94 709.38 709.53 709.88

SSPRC CLASS III 12-INCH
@ 0.65%

SSPRC CLASS III 18-INCH @ 0.60%

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	STORM SEWER:	SHEET 114	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022506-ss

PLOT DATE : 7/27/2020 11:19 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

STA 57+12, 8.0' LT
MANHOLES 4-J
F5A

F5.1
STA 57+65, 16.5' LT
CATCH BASINS 2x3-H

STA 57+65, 8.0' LT
MANHOLES 4-J
F5

F5.2
STA 57+61, 16.5' RT
CATCH BASINS 2x3-H

CONNECTING NEW STORM
STRUCTURE TO EXISTING
STORM SEWER PIPE

STA 61+08, 16.5' LT
CATCH BASINS 2x3-H
F4.1

STA 61+08, 8.0' LT
MANHOLES 4-J
F4

STA 61+08, 20.3' RT
CATCH BASINS 2x3-H
F4.2

STA 61+23, 58.6' RT
CATCH BASINS 2x3-H
F4.3

STA 62+17, 42.6' LT
CATCH BASINS 2x3-H
F3.1

STA 61+96, 16.5' LT
CATCH BASINS 4-H
F3.2

STA 61+96, 8.0' LT
MANHOLES 6-J
F3

STA 61+74, 35.9' RT
CATCH BASINS 2x3-H
F3.3

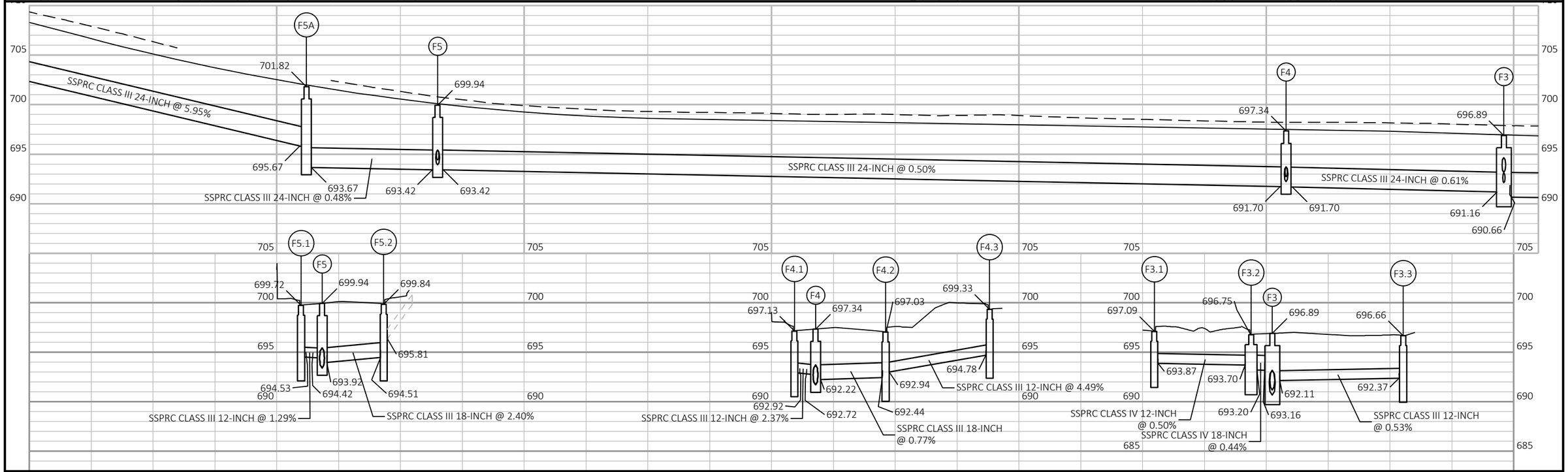
56+00 57+00 58+00 59+00 60+00 61+00 62+00

STH 35/2ND ST

SHOP RD

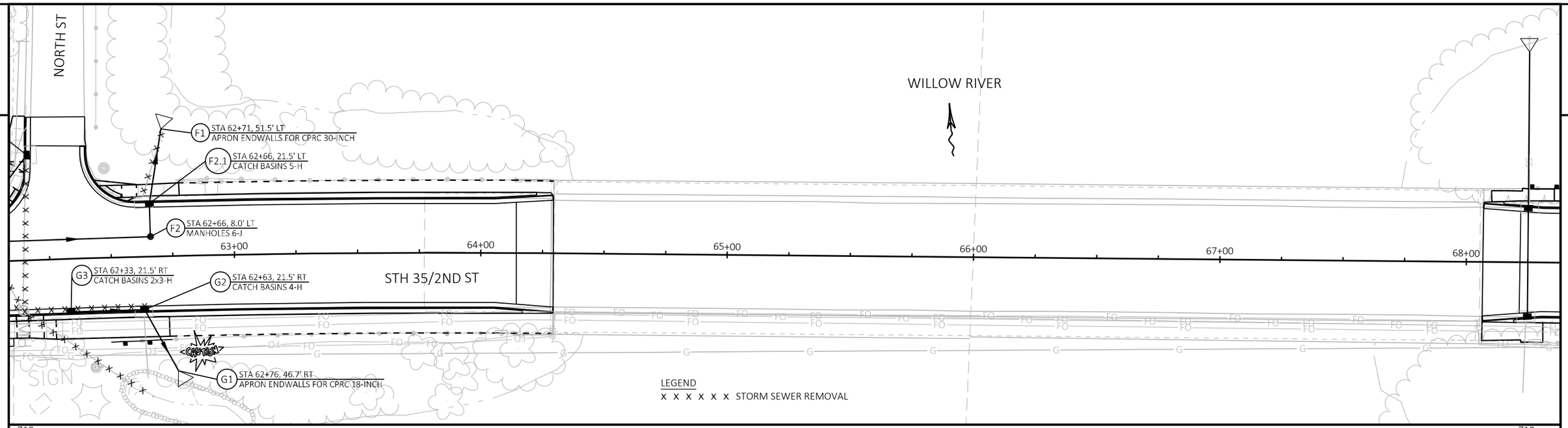
CAUTION

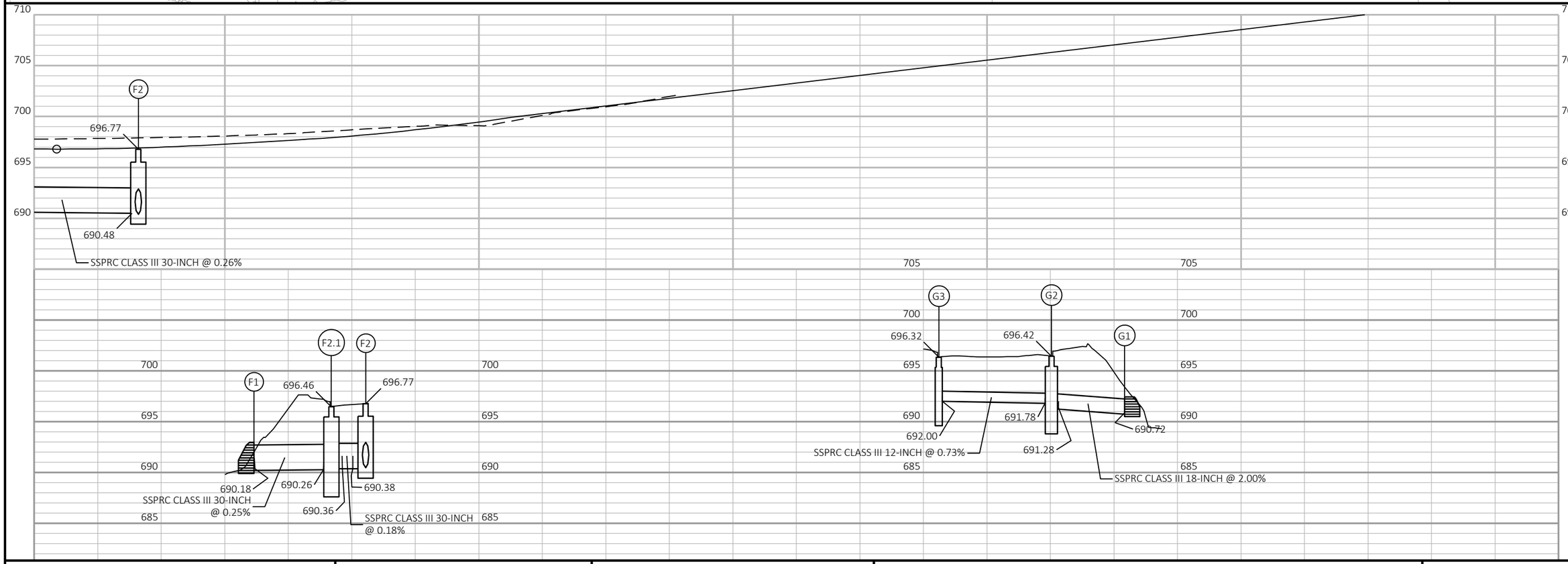
LEGEND
x x x x x x STORM SEWER REMOVAL



PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	STORM SEWER:	SHEET 115	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022507-ss
PLOT DATE : 7/28/2020 11:56 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 8080-07-70 / 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	STORM SEWER:	SHEET 116	E

2

H1 STA 68+25, 85.3' LT
APRON ENDWALLS FOR CPRC 12-INCH

H2 STA 68+25, 22.0' LT
INLETS 2x3-H

H3 STA 68+25, 22.0' RT
INLETS 2x3-H

STA 69+46, 50.1' RT
CONNECTING NEW STORM SEWER PIPE
TO EXISTING STORM SEWER PIPE

STA 69+57, 48.4' RT
INLETS 2x3-H

I2

I3 STA 69+86, 47.8' RT
INLETS 2x3-H

STA 70+39, 69.8' LT
APRON ENDWALLS FOR CPRC 36-INCH

J1

J1A STA 70+46, 67.3' LT
MANHOLES 6-J

STA 70+50, 21.5' LT
INLETS 6-H

J2

J3 STA 70+50, 10.5' RT
MANHOLES 6-J

J3.1 STA 70+50, 23.5' RT
INLETS 2x3-H

STH 35/6TH ST

SOUTH 9TH ST

WISCONSIN ST N

STA 74+00, 17.5' LT
INLETS 2x3-H

J4.1

STA 73+89, 12.0' RT
MANHOLES 5-J

J4

STA 73+34, 38.5' RT
INLETS 2x3-H

J4.4

STA 73+65, 36.5' RT
INLETS 2x3-H

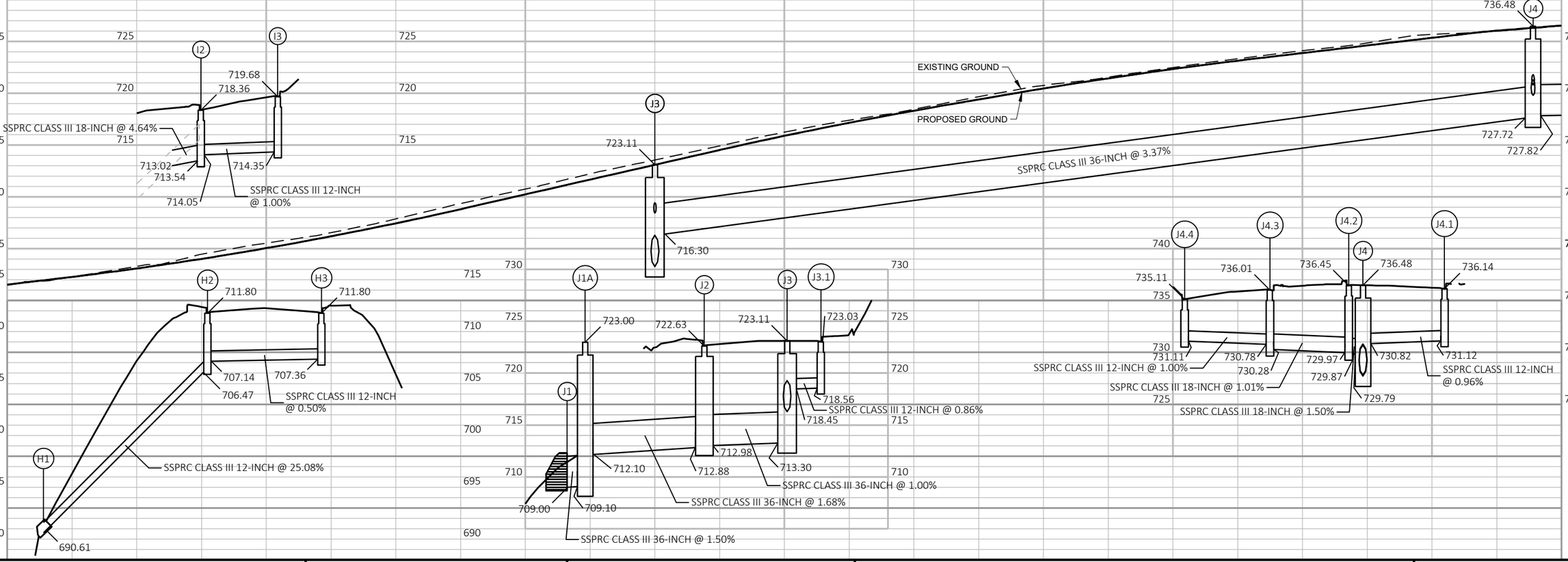
J4.3

STA 73+89, 17.5' RT
INLETS 2x3-H

J4.2

68+00 69+00 70+00 71+00 72+00 73+00 74+00

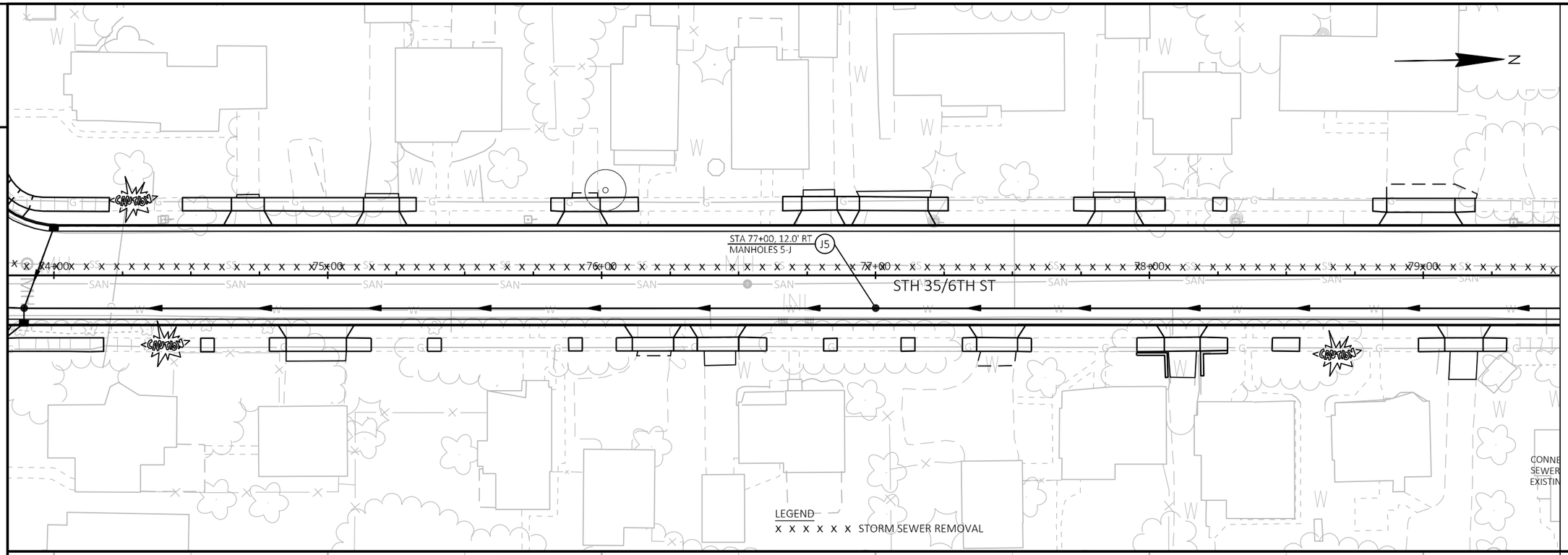
LEGEND
x x x x x x STORM SEWER REMOVAL

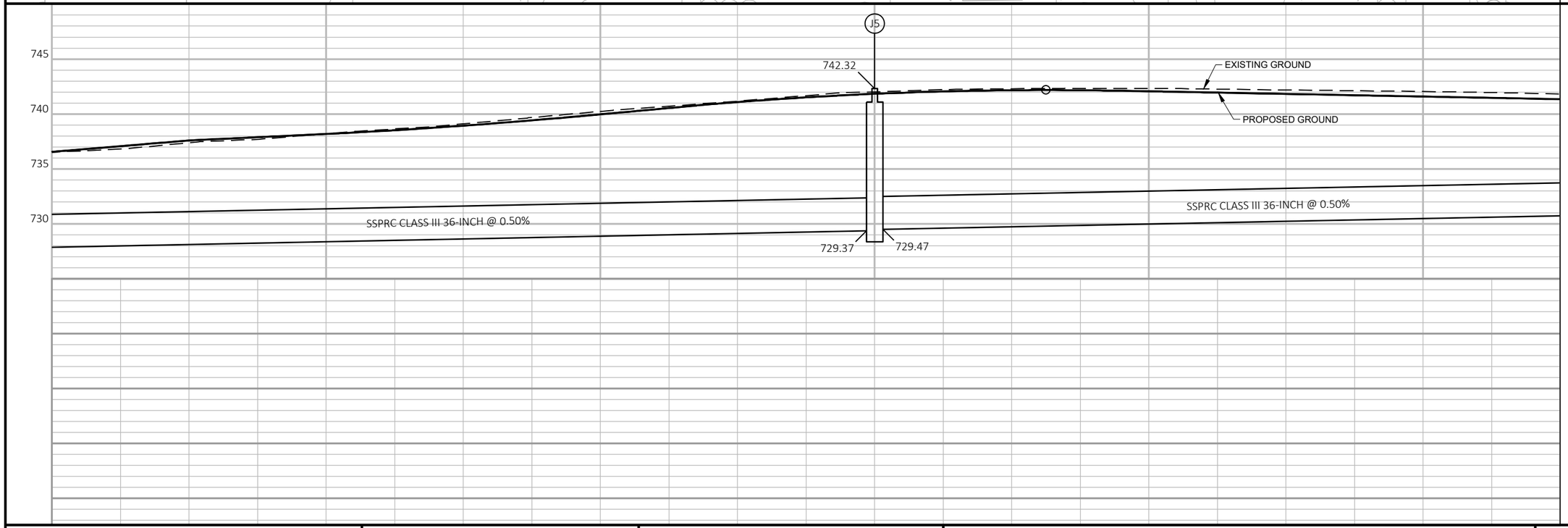


PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	STORM SEWER:	SHEET 117	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\SHEETSPLAN\022502-SS.DWG
LAYOUT NAME - 022509-ss
PLOT DATE : 7/28/2020 1:05 PM
PLOT BY : AYRES ASSOCIATES
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

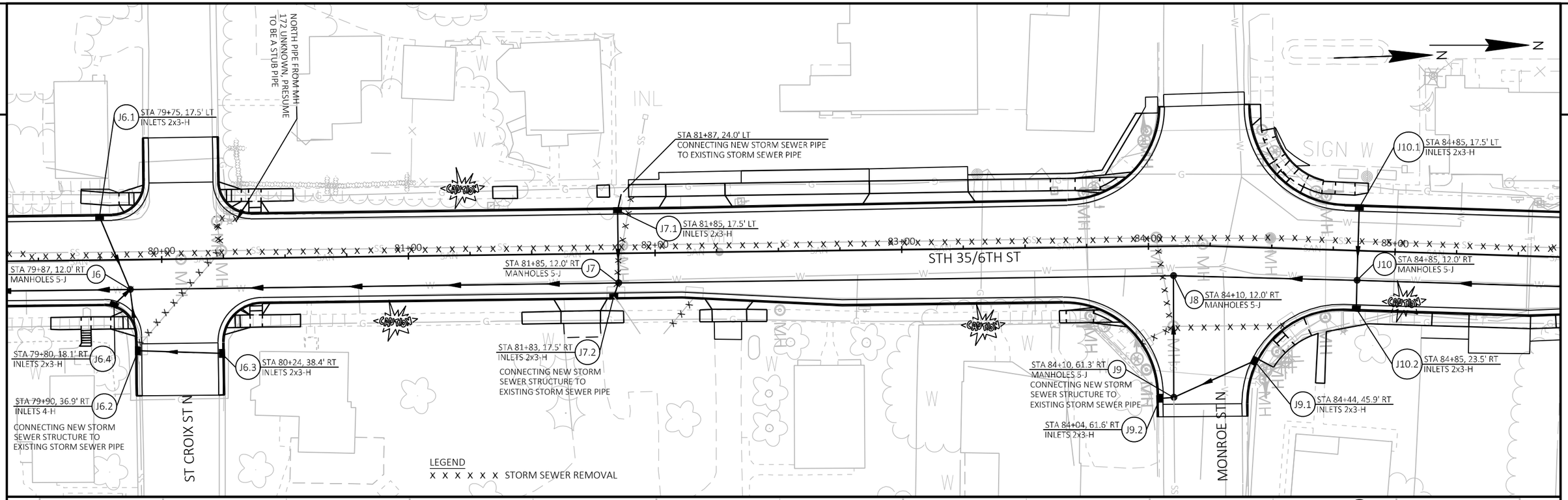
2

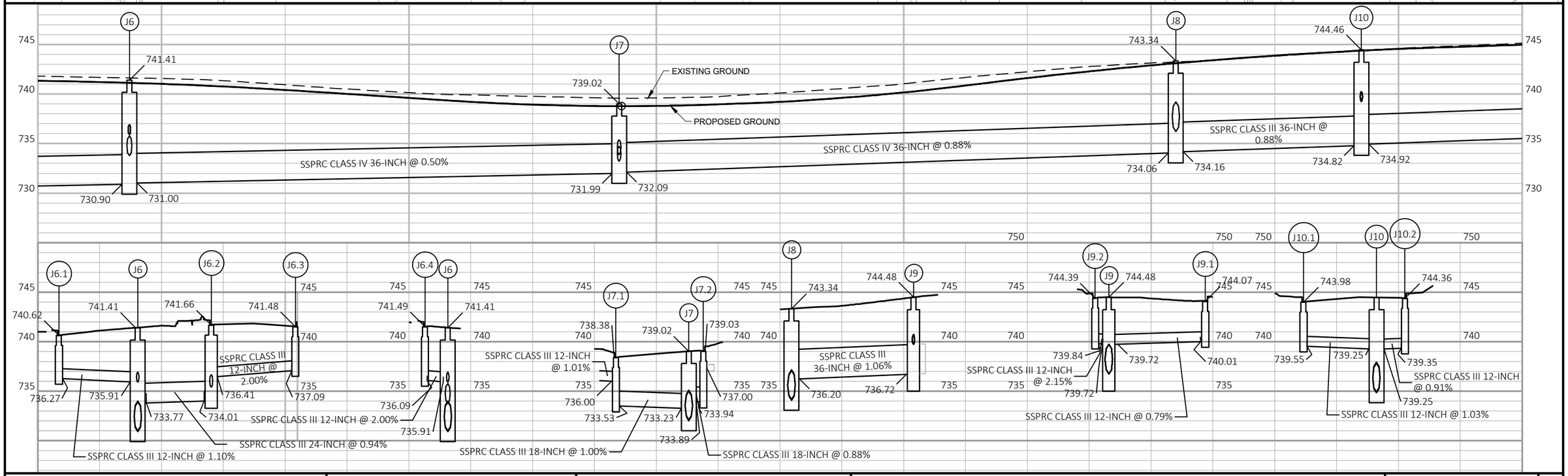




PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	STORM SEWER:	SHEET 118	E

2

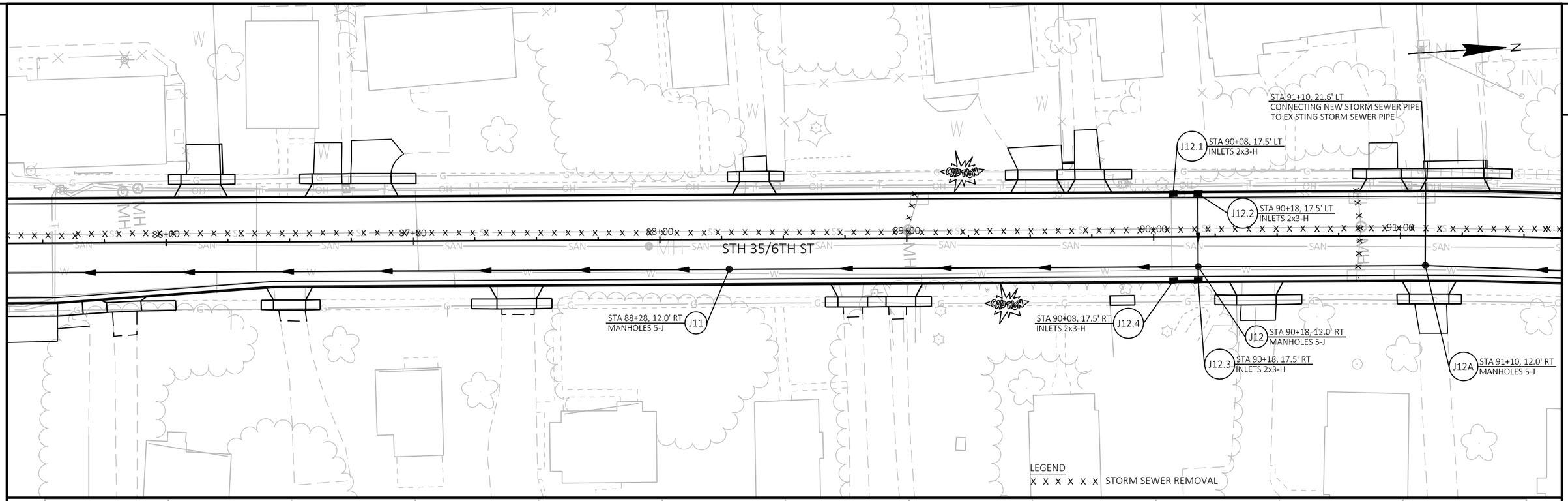


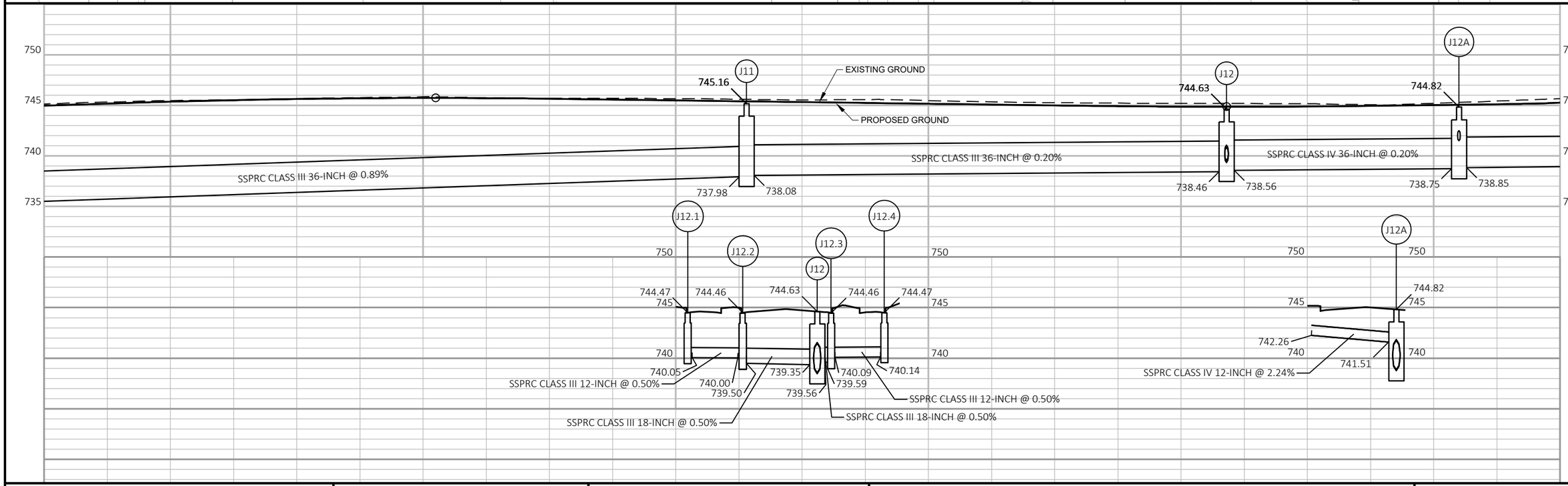


PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	STORM SEWER:	SHEET 119	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\SHEETSPLAN\022502-SS.DWG
LAYOUT NAME - 022511-ss
PLOT DATE : 7/28/2020 1:08 PM
PLOT BY : AYRES ASSOCIATES
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

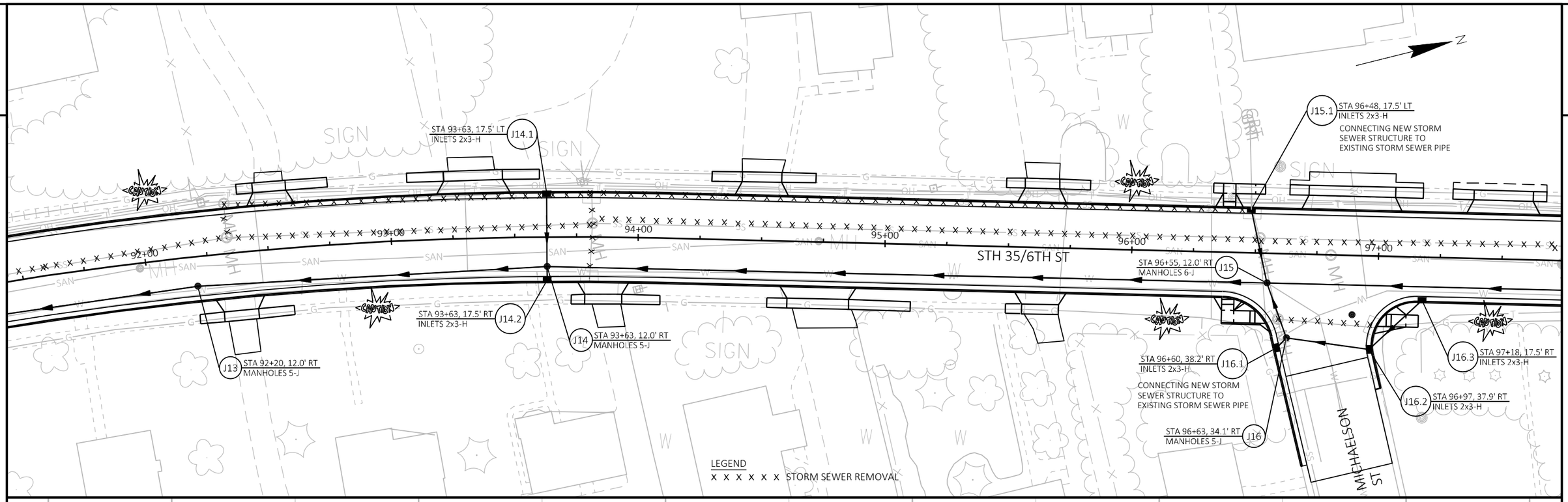
2

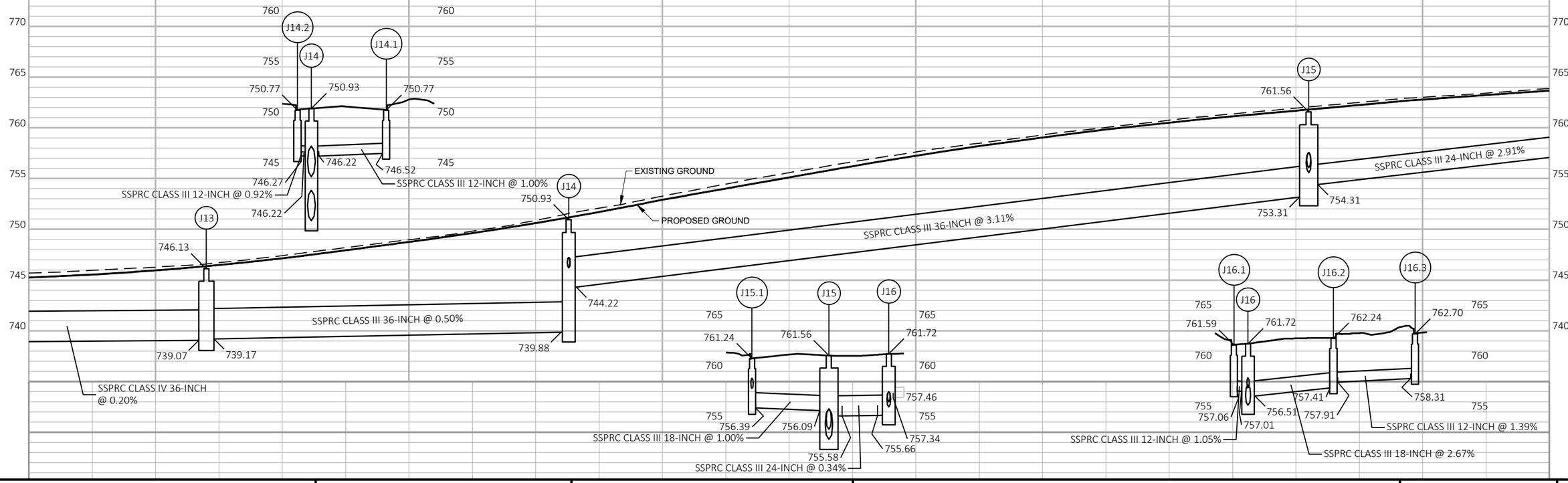




PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	STORM SEWER:	SHEET 120	E

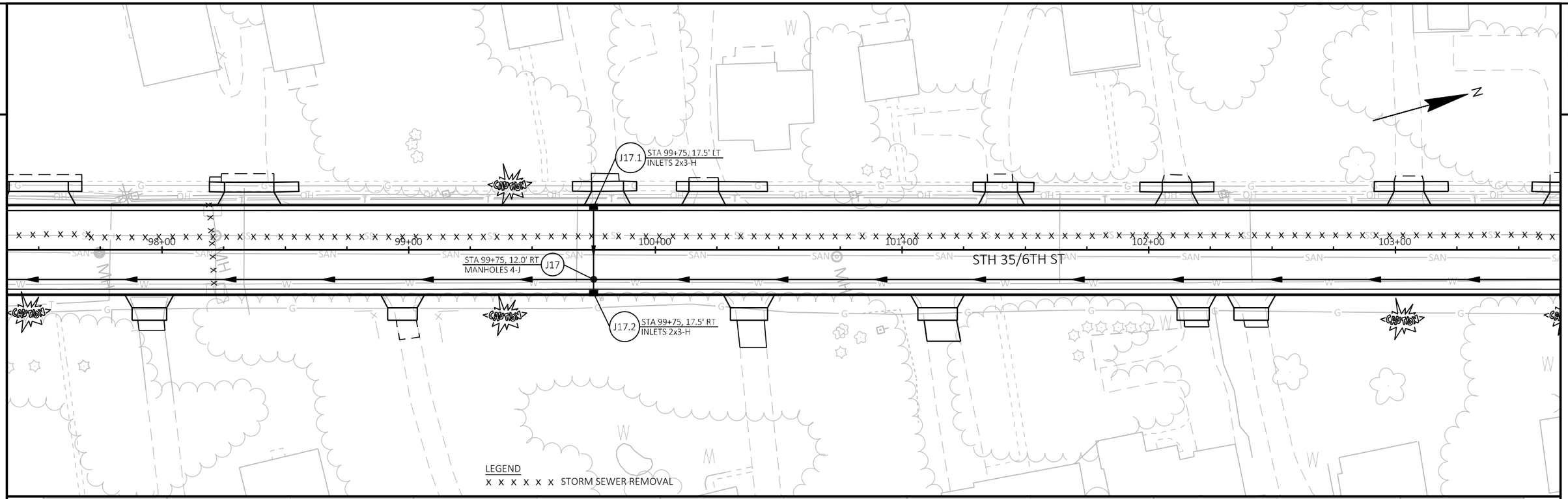
2

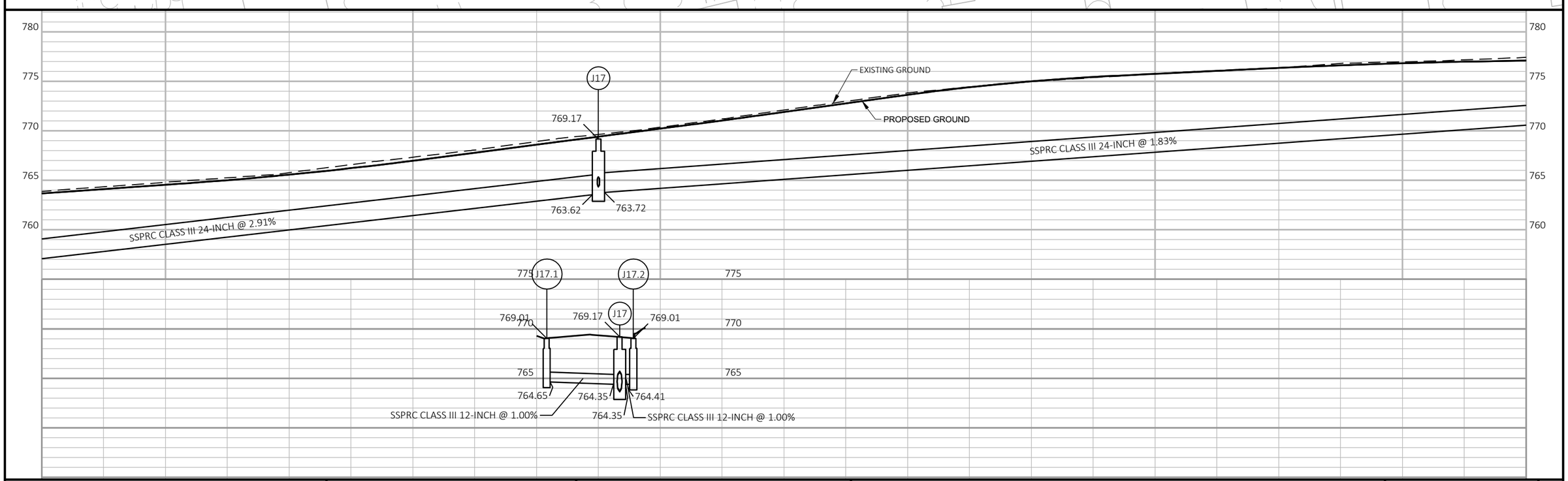




PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	STORM SEWER:	SHEET 121	E

2





PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	STORM SEWER:	SHEET 122	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\SHEETSPLAN\022502-SS.DWG
LAYOUT NAME - 022514-ss
PLOT DATE : 7/27/2020 10:28 AM
PLOT BY : AYRES ASSOCIATES
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

STA 103+82, 24.4' LT
CONNECTING NEW STORM SEWER PIPE
TO EXISTING STORM SEWER PIPE

J18.1 STA 103+83, 17.5' LT
INLETS 2x3-H

STA 106+25, 17.5' LT
INLETS 2x3-H J19.1

J20.1 STA 108+74, 17.5' LT
INLETS 2x3-H

104+00 105+00 106+00 107+00 108+00 109+00

J18 STA 103+83, 12.0' RT
MANHOLES 4-J

J19 STA 106+25, 12.0' RT
MANHOLES 4-J

STH 35/6TH ST

J20 STA 108+63, 12.0' RT
MANHOLES 6-J

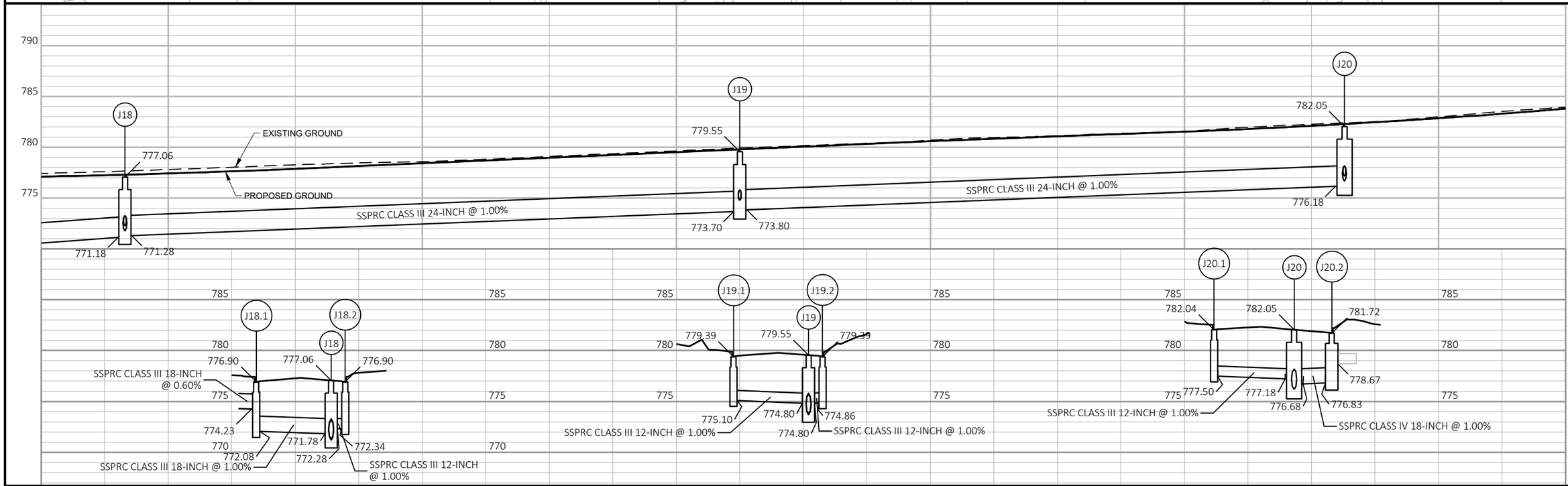
J18.2 STA 103+83, 17.5' RT
INLETS 2x3-H

STA 106+25, 17.5' RT
INLETS 2x3-H J19.2

STA 108+63, 26.8' RT
INLETS 4-H J20.2

CONNECTING NEW STORM
SEWER STRUCTURE TO
EXISTING STORM SEWER PIPE

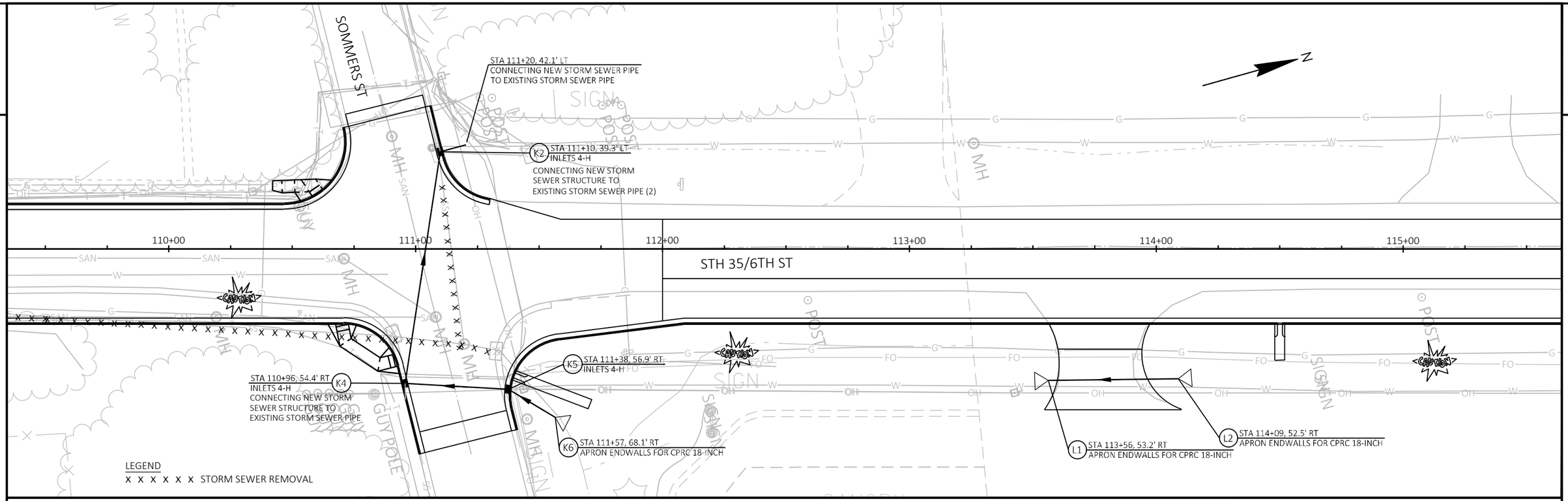
LEGEND
x x x x x x STORM SEWER REMOVAL



PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	STORM SEWER:	SHEET 123	E

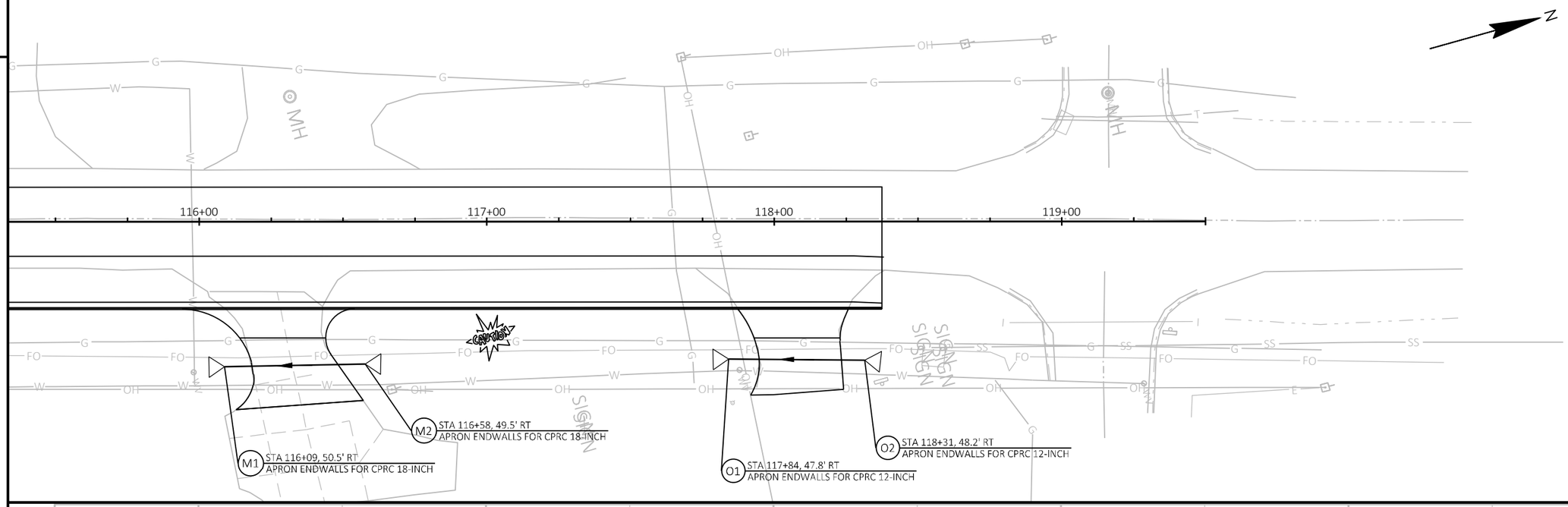
FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\SHEETSPLAN\022502-SS.DWG
LAYOUT NAME - 022515-ss
PLOT DATE : 7/27/2020 10:28 AM PLOT BY : AYRES ASSOCIATES PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

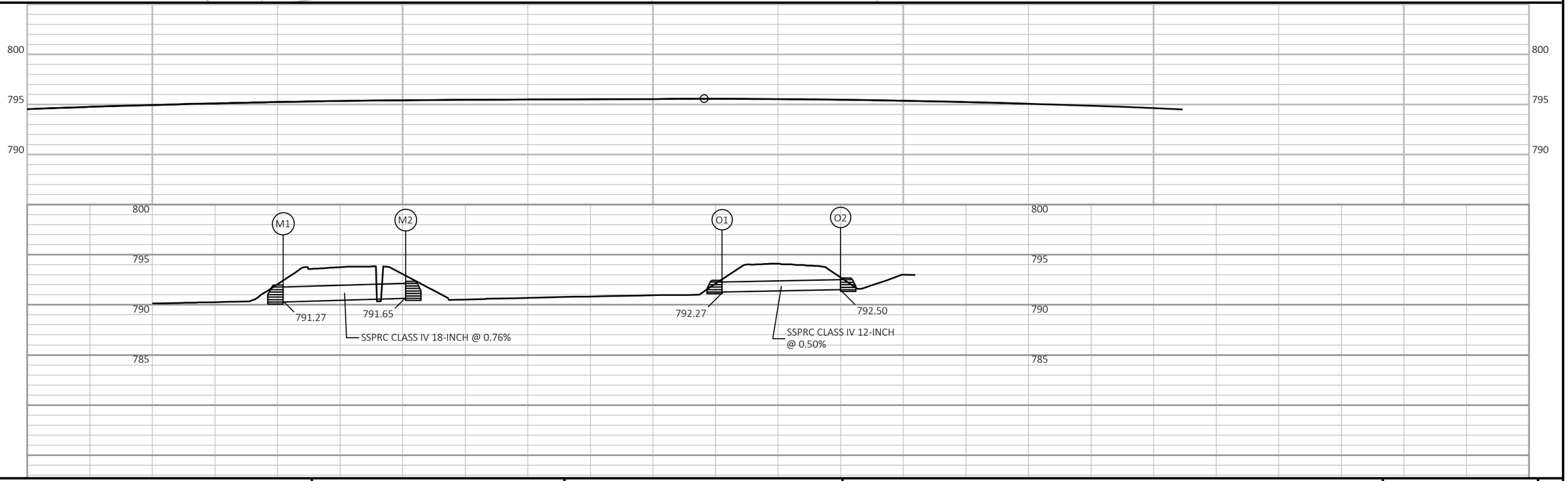
2



PROJECT NO: 8080-05-70 / 8080-02-73	HWY: STH 35	COUNTY: ST CROIX	STORM SEWER:	SHEET 124	E

2





PROJECT NO: 8080-02-73	HWY: STH 35	COUNTY: ST CROIX	STORM SEWER:	SHEET 125	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\022502-SS.DWG
LAYOUT NAME - 022517-ss
PLOT DATE : 10/1/2020 1:09 PM
PLOT BY : AYRES ASSOCIATES
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

scale 20 0 20 40 feet 10

16 LF 15" PVC PIPE @ 1.23%
BEGIN INV: 681.55
END INV: 681.35
1 - CONNECT TO EX MH

7 LF 8" PVC PIPE @ 0.69%
BEGIN INV: 681.43
END INV: 681.39
1 - CONNECT TO EX PIPE

CONCRETE ROADWAY

STH 35

10 LF 6" PVC PIPE @ 1.00%
BEGIN INV: 676.92
END INV: 676.82
1 - 24" X 6" WYE
1 - CONNECT TO EX PIPE

7 LF 18" PVC PIPE @ 0.29%
BEGIN INV: 675.95
END INV: 675.93
1 - CONNECT TO EX PIPE

JACK AND BORE
51 LF 30" STEEL CASING PIPE @ 1.88%
BEGIN INV: 684.51
END INV: 685.47
PLUG AT WEST END

206+00 207+00 208+00 209+00 210+00 211+00 266+10.00

261+00 262+00 263+00 264+00 265+00 266+00

ABANDON EX SAN

229EX

220EX

SEE SHEET 16

SEE SHEET 17

REPLACE FENCE

229EX TO REMAIN
PLUG SE INV

220EX TO REMAIN
PLUG NW INV

41 LF 8" PVC PIPE @ -0.72%
BEGIN INV: 678.86
END INV: 678.56
1 - CONNECT TO EX MH

ASPHALT TRAIL
SEE SHEETS 45-46

21 LF 24" PVC PIPE @ 0.22%
BEGIN INV: 675.69
END INV: 675.64
1 - CONNECT TO EX MH

72EX

74EX

74EX TO REMAIN
PLUG W INV
PLUG NW INV

72EX TO REMAIN
PLUG SE INV

32 LF 30" STEEL CASING PIPE @ 1.88%
BEGIN INV: 685.47
END INV: 686.07
PLUG AT EAST END

STA=260+35.85, 0.00'
RIM=695.57
4' DIAMETER MH

STA=260+79.77, 0.00'
RIM=694.92
5' DIAMETER MH

STA=261+05.75, 0.00'
RIM=694.68
4' DIAMETER MH

STA=263+14.78, 0.00'
RIM=695.21
4' DIAMETER MH

STA=264+81.82, 0.00'
RIM=694.99
5' DIAMETER MH

STA=265+19.94, 0.00'
RIM=694.81
5' DIAMETER MH

EXISTING GRADE OVER SANITARY SEWER

PROPOSED FUTURE OUTFALL

EXISTING OUTFALL

EXISTING 8" SANITARY SEWER TO REMAIN IN PLACE

ABANDON EXISTING 15" SANITARY SEWER IN PLACE

EXISTING STORM SEWER

26 LF
24" PVC PS115
@ 0.89%

44 LF
24" PVC PS115
@ 0.55%

209 LF 24" PVC PS115 @ 0.86%

167 LF 24" PVC PS115 @ 0.86%

38 LF
24" PVC PS115
@ 0.12%

231 LF 15" PVC PS115 @ 0.12%

EXISTING 15"
EXISTING 8"
EXISTING 18"

690
680
675

W=679.79
SE=681.39

E=679.55
W=679.45
SE=681.35

E=679.22
NW=679.12

SE=677.33
NW=677.23
NE=678.56

SE=675.79
NW=675.79
NE=675.69

SE=675.83
NW=675.93
W=675.93

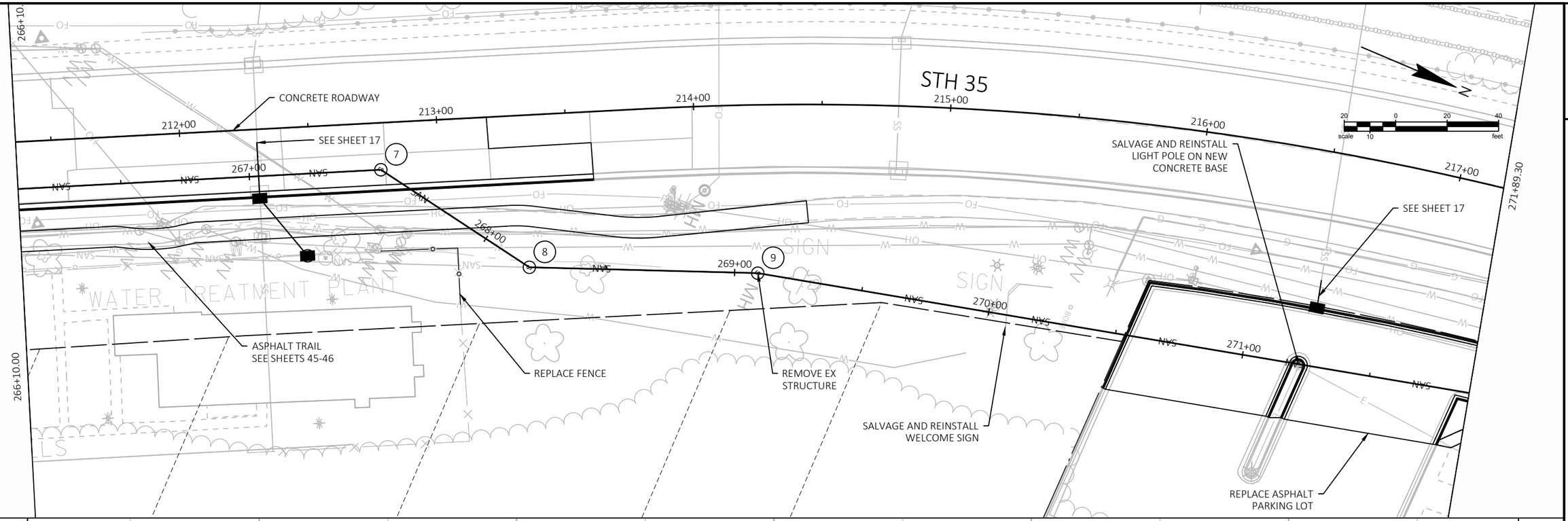
693.40 694.99 694.63 694.84 695.07 695.16 695.24 695.32 695.36 695.19 694.76 694.91 694.88 694.91

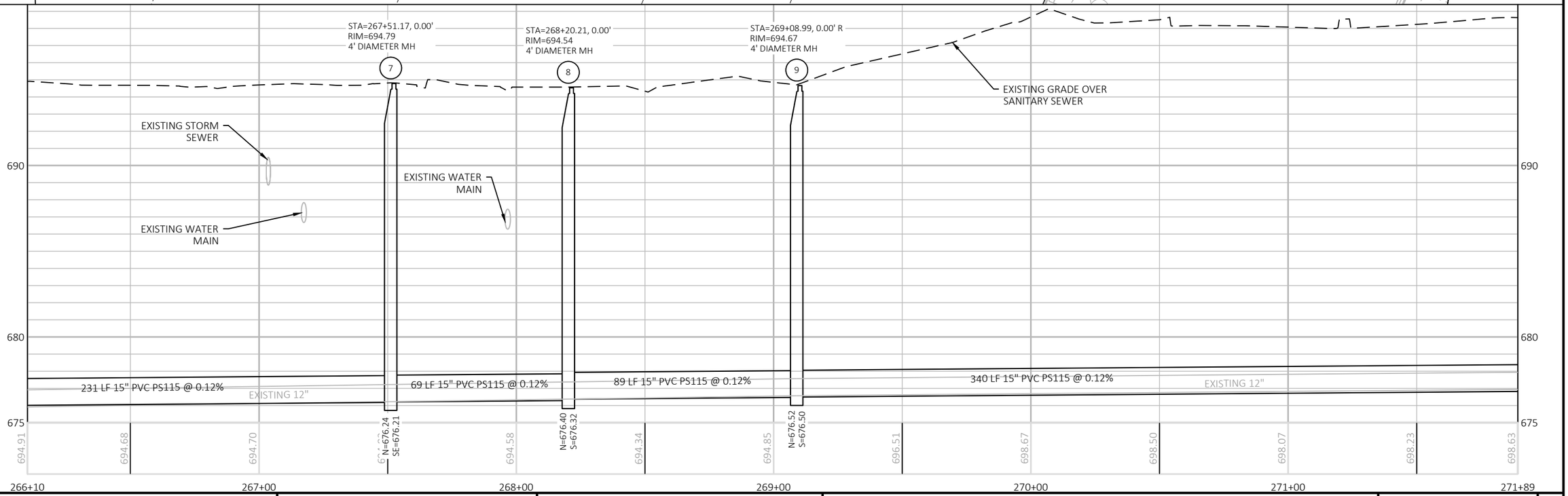
260+00 261+00 262+00 263+00 264+00 265+00 266+00 266+10

PROJECT NO: 8080-02-61	HWY: HWY 35	COUNTY: ST. CROIX	WASTEWATER TREATMENT PLANT	SHEET 126	E

FILE NAME : P:\FJH\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626PP - WWTP.DWG
LAYOUT NAME - Highway 35 - WWTP 1
PLOT DATE : 9/4/2020 1:17 PM
PLOT BY : SARAH AARTHUN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

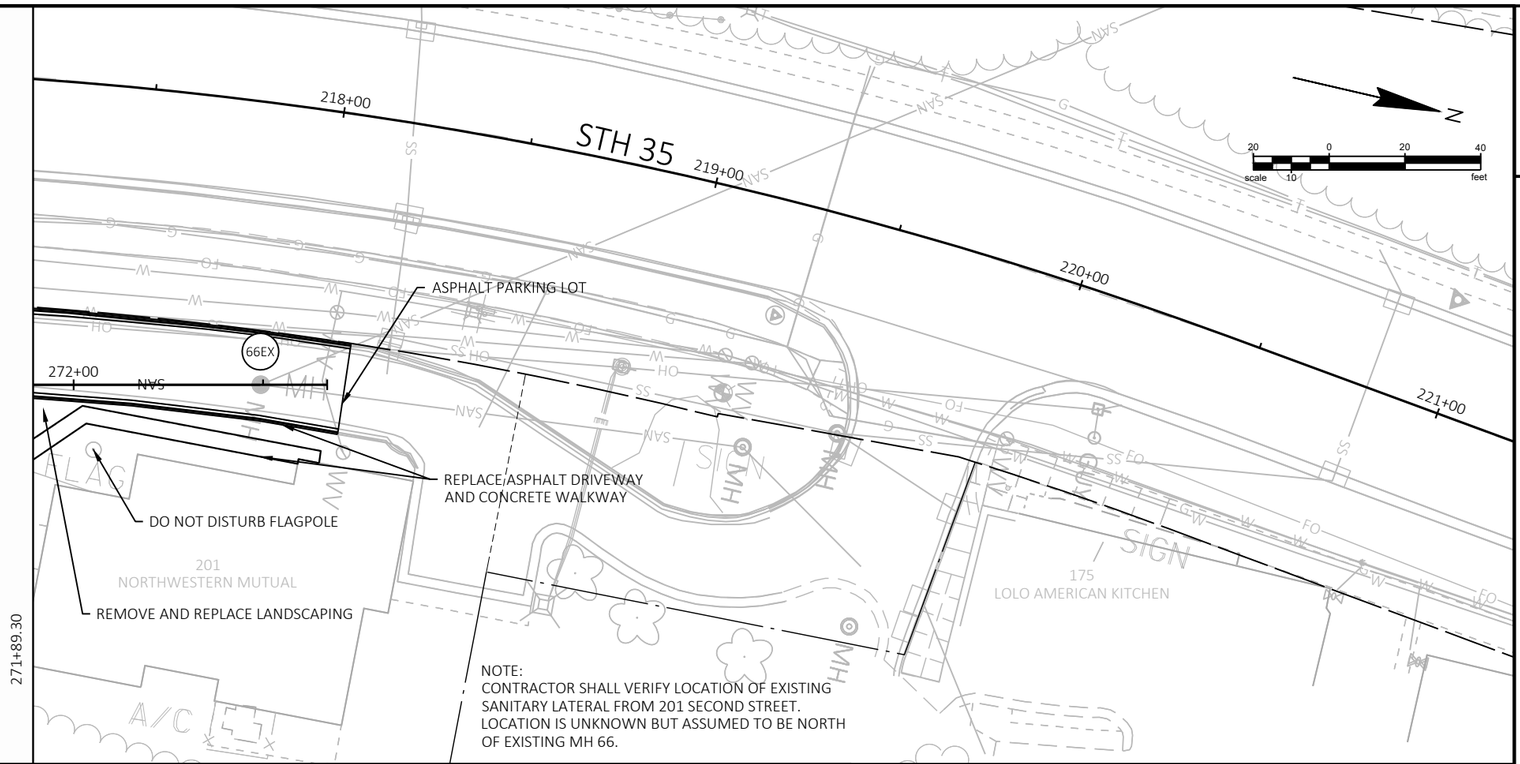


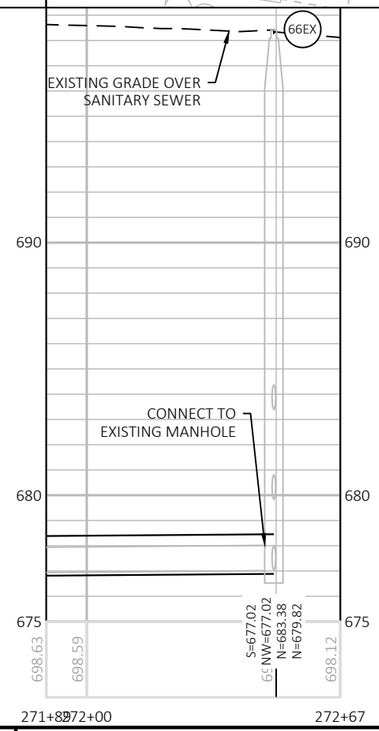


PROJECT NO: 8080-02-61	HWY: HWY 35	COUNTY: ST. CROIX	WASTEWATER TREATMENT PLANT	SHEET 127	E

FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626PP - WWTP.DWG
LAYOUT NAME - Highway 35 - WWTP 2
PLOT DATE : 9/4/2020 1:17 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

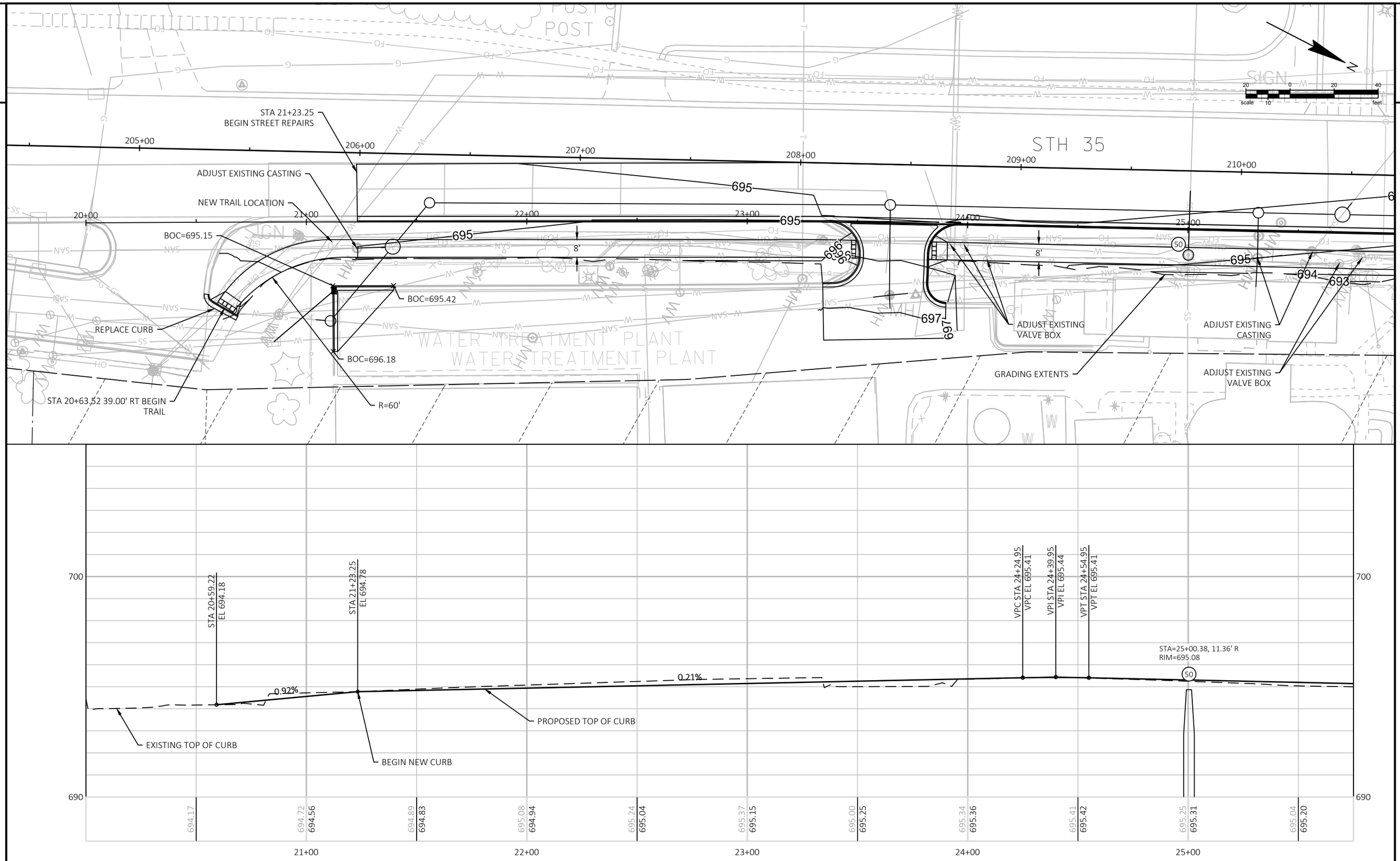




PROJECT NO: 8080-02-61	HWY: HWY 35	COUNTY: ST. CROIX	WASTEWATER TREATMENT PLANT	SHEET 128	E

FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626PP - WWTP.DWG
LAYOUT NAME - Highway 35 - WWTP 3
PLOT DATE : 9/4/2020 1:18 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

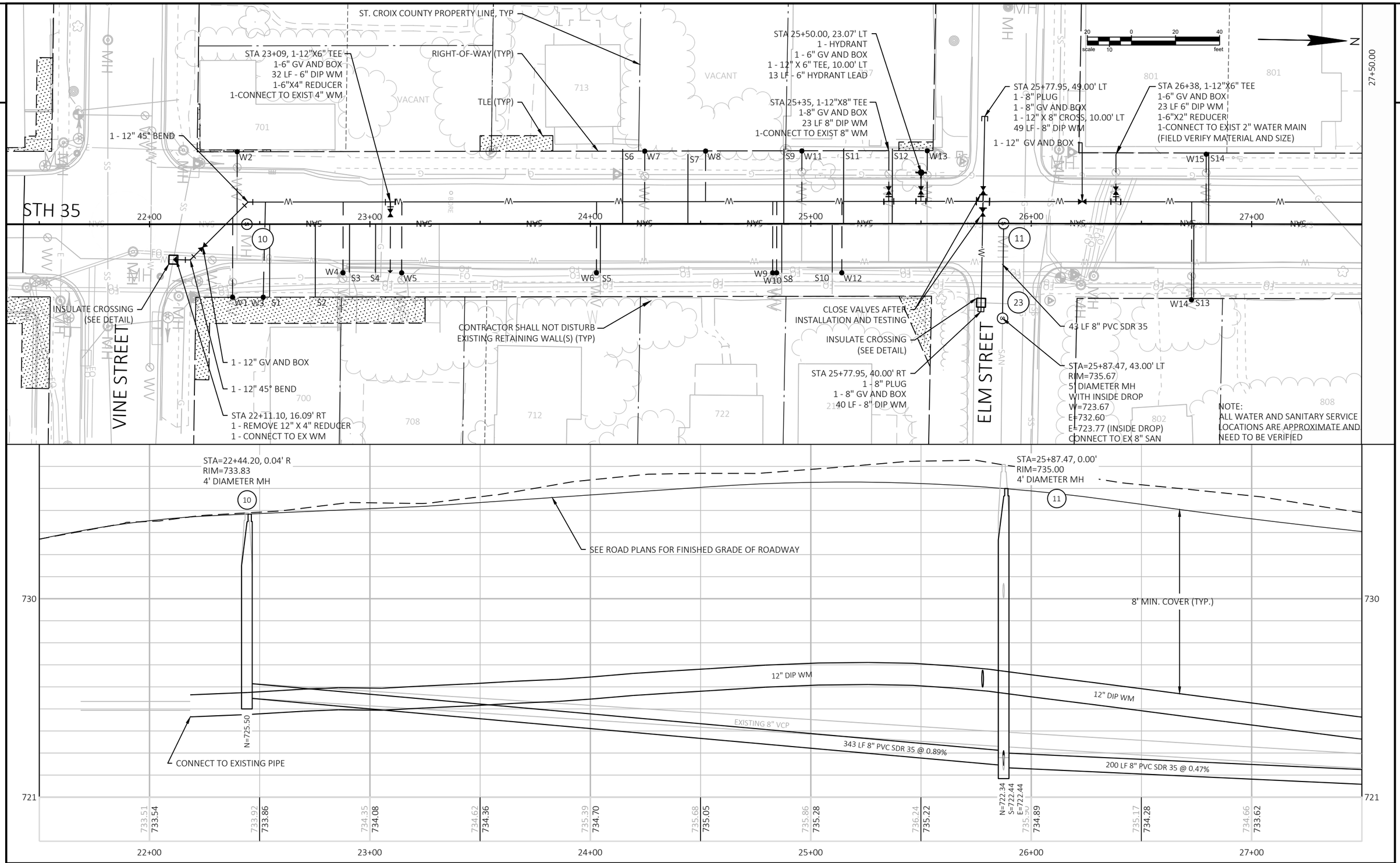


PROJECT NO: 8080-02-61	HWY: HWY 35	COUNTY: ST. CROIX	WASTEWATER TREATMENT PLANT	SHEET 129	E

FILE NAME : P:\FJH\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626PP - WWTP TRAIL.DWG
LAYOUT NAME - Trail PP - (5)
PLOT DATE : 9/4/2020 1:19 PM
PLOT BY : SARAH AARTHUN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

PROJECT NO: 8080-02-61	HWY: HWY 35	COUNTY: ST. CROIX	WASTEWATER TREATMENT PLANT	SHEET 130	E

FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626PP - WWTP TRAIL.DWG
LAYOUT NAME - Trail PP - (6)
PLOT DATE : 9/4/2020 1:19 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	STH 35	SHEET 131	E

STA 29+97.34, 46.00' LT
1 - 8" PLUG
1 - 8" GV AND BOX
1 - 12" X 8" CROSS, 10.00' LT
46 LF - 8" DIP WM

INSULATE CROSSING (SEE DETAIL)

ORANGE STREET

CLOSE VALVES AFTER INSTALLATION AND TESTING

STA 30+24.90, 23.07' LT
1 - HYDRANT
1 - 6" GV AND BOX
1 - 12" X 6" TEE, 10.00' LT
13 LF - 6" HYDRANT LEAD

ST. CROIX COUNTY PROPERTY LINE, TYP

RIGHT-OF-WAY (TYP)

TLE (TYP)

33+50.00

27+50.00

VACANT PARKING LOT

STH 35

28+00 29+00 30+00 31+00 32+00 33+00

W21 S20 S22 W22 S23 W24 S26 S27 W26 S28 W27 W29 S31 W31 S33 S34 W32 W35 S37

W20 S21 S24 W23 S25 W25 S29 S30 W28 S32 W30 W33 S35 S36 W34

12 13 14

CONTRACTOR SHALL NOT DISTURB EXISTING RETAINING WALL (TYP)

STA 29+97.34, 40.00' RT
1 - 8" PLUG
1 - 8" GV AND BOX
40 LF - 8" DIP WM

1 - 12" GV AND BOX

NOTE:
ALL WATER AND SANITARY SERVICE LOCATIONS ARE APPROXIMATE AND NEED TO BE VERIFIED

STA=27+87.18, 0.00' R
RIM=732.67
4' DIAMETER MH

STA=29+86.89, 0.00'
RIM=730.64
4' DIAMETER MH

STA=31+86.89, 0.00'
RIM=729.42
4' DIAMETER MH

8' MIN. COVER (TYP.)

SEE ROAD PLANS FOR FINISHED GRADE OF ROADWAY

12" DIP WM

EXISTING 8" VCP

200 LF 8" PVC SDR 35 @ 0.47%

200 LF 8" PVC SDR 35 @ 0.46%

12" DIP WM

EXISTING 8" VCP

200 LF 8" PVC SDR 35 @ 0.42%

N=721.31
S=721.41

N=720.28
S=720.38

N=719.25
S=719.35

730 720 718

733.42 732.54 732.82 732.03 732.21 731.52 731.78 731.01 731.36 730.50 730.97 730.12 730.70 729.87 730.42 729.61 730.17 729.36 729.77 729.10 729.55 728.87

28+00 29+00 30+00 31+00 32+00 33+00

PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	STH 35	SHEET 132	E

FILE NAME : P:\FJH\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HIGHWAY 35.DWG
LAYOUT NAME - Highway 35 - (2)
PLOT DATE : 10/15/2020 2:14 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

STA 34+26.90, 23.07' LT
1 - HYDRANT
1 - 6" GV AND BOX
1 - 12" X 6" TEE, 10.00' LT
13 LF - 6" HYDRANT LEAD

STA 33+96.73, 56.00' LT
1 - 8" PLUG
1 - 8" GV AND BOX
1 - 12" X 8" CROSS, 10.00' LT
56 LF - 8" DIP WM

INSULATE CROSSING (SEE DETAIL)

MYRTLE STREET

ST. CROIX COUNTY PROPERTY LINE, TYP

1 - 12" GV AND BOX

TLE (TYP)

RIGHT-OF-WAY (TYP)

STA 36+79, 12"X6" TEE
1-6" GV AND BOX
23 LF 6" DIP WM
1-6"X3" REDUCER
1-CONNECT TO EXIST 3" WM

STA 39+30.47, 23.07' LT
1 - HYDRANT
1 - 6" GV AND BOX
1 - 12" X 6" TEE, 10.00' LT
13 LF - 6" HYDRANT LEAD

1 - 12" GV AND BOX

STH 35

CLOSE VALVE AFTER INSTALLATION AND TESTING

INSULATE CROSSING (SEE DETAIL)

CONNECT TO EXISTING LATERAL. VERIFY SIZE AND MATERIAL.

STA 33+96.73, 55.00' RT
1 - 8" PLUG
1 - 8" GV AND BOX
55 LF - 8" DIP WM

STA 33+96.73, 50.00' RT
1 - HYDRANT
1 - 6" GV AND BOX
1 - 8" X 6" TEE, 50.00' RT
13 LF - 6" HYDRANT LEAD

NOTE:
ALL WATER AND SANITARY SERVICE LOCATIONS ARE APPROXIMATE AND NEED TO BE VERIFIED

STA=33+86.89, 0.00'
RIM=728.57
4' DIAMETER MH

STA=36+57.89, 0.00'
RIM=726.91
4' DIAMETER MH

STA=39+29.51, 0.00'
RIM=725.40
4' DIAMETER MH

SEE ROAD PLANS FOR FINISHED GRADE OF ROADWAY

8' MIN. COVER (TYP.)

EXISTING 8" VCP

271 LF 10" PVC SDR 35 @ 0.30%

12" DIP WM

272 LF 10" PVC SDR 35 @ 0.30%

12" DIP WM

N=718.32
S=718.42

N=717.40
S=717.50

N=716.49
S=716.59

729.51 728.53
729.14 728.37
728.78 728.13
728.51 727.80
728.00 727.39
727.60 726.97
727.06 726.56
726.71 726.34
726.48 726.12
726.28 725.84
725.99 725.57

730
720
715

34+00 35+00 36+00 37+00 38+00 39+00

PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	STH 35	SHEET 133	E

FILE NAME : P:\FJH\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HIGHWAY 35.DWG
LAYOUT NAME - Highway 35 - (3)

PLOT DATE : 10/15/2020 2:14 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

STA 42+16.54, 49.55' LT
1 - CONNECT TO EX WM
2 - 8" 45° BENDS

1 - 8" GV AND BOX

STA 42+10.72, 9.98' LT
1 - 12" X 8" CROSS

STA 42+40.26, 24.27' LT
1 - HYDRANT
1 - 6" GV AND BOX
1 - 12" X 6" TEE, 9.98' LT
15 LF - 6" HYDRANT LEAD

1 - 12" GV AND BOX

NOTE:
ALL WATER AND SANITARY SERVICE LOCATIONS ARE APPROXIMATE AND NEED TO BE VERIFIED

43 LF 10" PVC SDR 35 @2.33%
INV: 714.58 (FIELD Verify)
CONNECT TO EX 10" VCP SAN

LOWER WATER MAIN AT CROSSING
INSULATE CROSSING (SEE DETAIL)

N

scale 20 0 20 40 feet 10

45+50.00

W61 S61 S62 W62 W63 S64 W66 S67 S69 W67 S72 W69 S74 W71 S76 W73 S78 W76

40+00 41+00 42+00 43+00 44+00 45+00

STH 35

18 19

W60 S60 S63 W64 S65 W65 S66 S68 S70 W68 S71 W70 S73 W72 S75 W74 S77 S79 W75

INSULATE CROSSING (SEE DETAIL)

1 - 8" GV AND BOX

TLE (TYP)

ST CROIX ST

STA 41+79.01, 51.49' RT
1 - CONNECT TO EX WM
2 - 8" 45° BENDS
1 - OFFSET PACKAGE TO MAINTAIN
18" SEPARATION FROM SANITARY
AND STORM SEWER

43 LF 10" PVC SCR 35 @ 5.53%
INV: 718.06 (FIELD VERIFY)
CONNECT TO EX 10" VCP SAN

RIGHT-OF-WAY (TYP)

ST. CROIX COUNTY PROPERTY LINE, TYP

39+50.00

STA=42+00.51, 0.00'
RIM=724.02
4' DIAMETER MH

STA=44+32.76, 0.00'
RIM=724.68
4' DIAMETER MH

SEE ROAD PLANS FOR FINISHED GRADE OF ROADWAY

8' MIN. COVER (TYP.)

720 720

EXISTING 8" VCP

271 LF 10" PVC SDR 35 @ 0.30%

12" DIP WM

232 LF 8" PVC SDR 35 @ 0.40%

EXISTING 8" VCP

232 LF 8" PVC SDR 35 @ 0.40%

12" DIP WM

12" DIP WM

18"

N=715.68
S=715.68
E=715.68
W=715.58

N=716.71
S=716.61

712 712

725.50 725.04 | 725.34 724.78 | 724.99 724.53 | 724.69 724.28 | 724.66 724.02 | 724.78 723.89 | 724.88 724.03 | 725.05 724.30 | 725.34 724.54 | 725.58 724.76 | 725.67 724.97

40+00 41+00 42+00 43+00 44+00 45+00

PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	STH 35	SHEET 134	E

NOTE:
ALL WATER AND SANITARY SERVICE LOCATIONS ARE APPROXIMATE AND NEED TO BE VERIFIED

WORK TO BE DONE BY OTHERS

STA 46+75.16, 83.00' LT
1 - 8" PLUG
1 - 8" GV AND BOX
1 - 12" X 8" CROSS, 10.00' LT
83 LF - 8" DIP WM

CLOSE VALVE AFTER INSTALLATION AND TESTING

RIVER STREET

INSULATE CROSSING (SEE DETAIL)

1 - 12" GV AND BOX

ST. CROIX COUNTY PROPERTY LINE, TYP

TLE (TYP)

RIGHT-OF-WAY (TYP)

WORK TO BE DONE BY OTHERS

STA 51+10.04, 10.00' LT
1 - 12" X 12" TEE
1 - 12" X 8" REDUCER

STH 35

43 LF 8" PVC SCR 35

STA=46+65.01, 43.00' RT
RIM=726.43
5' DIAMETER MH
WITH INSIDE DROP
E=723.62
E=714.53 (INSIDE DROP)
W=714.43
CONNECT TO EX 8" SAN

CONNECT TO EXISTING LATERAL. VERIFY SIZE AND MATERIAL.

INSULATE CROSSING (SEE DETAIL)

STA 46+41.46, 50.00' RT
1 - HYDRANT
1 - 6" GV AND BOX
1 - 8" X 6" TEE, 50.00' RT
13 LF - 6" HYDRANT LEAD

STA 46+75.16, 55.00' RT
1 - 8" PLUG
1 - 8" GV AND BOX
55 LF - 8" DIP WM

INSULATE CROSSING (SEE DETAIL)

1 - 8" GV AND BOX

STA 51+09.93, 41.78' RT
1 - CONNECT TO EX WM
2 - 8" 45° BENDS

DIVISION ST

45+50.00

51+50.00

STA=46+65.01, 0.00'
RIM=725.69
4' DIAMETER MH

STA=48+92.37, 0.00'
RIM=726.99
4' DIAMETER MH

STA=51+19.72, 0.00'
RIM=728.13
4' DIAMETER MH

SEE ROAD PLANS FOR FINISHED GRADE OF ROADWAY

8' MIN. COVER (TYP.)

227 LF 8" PVC SDR 35 @ 0.40%

EXISTING 8" VCP

227 LF 8" PVC SDR 35 @ 0.40%

12" DIP WM

N=717.74
S=717.64
E=717.74

N=718.75
S=718.65

S=719.66
E=719.76
W=719.76

726.19	726.60	726.62	726.88	727.19
725.41	725.63	725.84	726.06	726.39

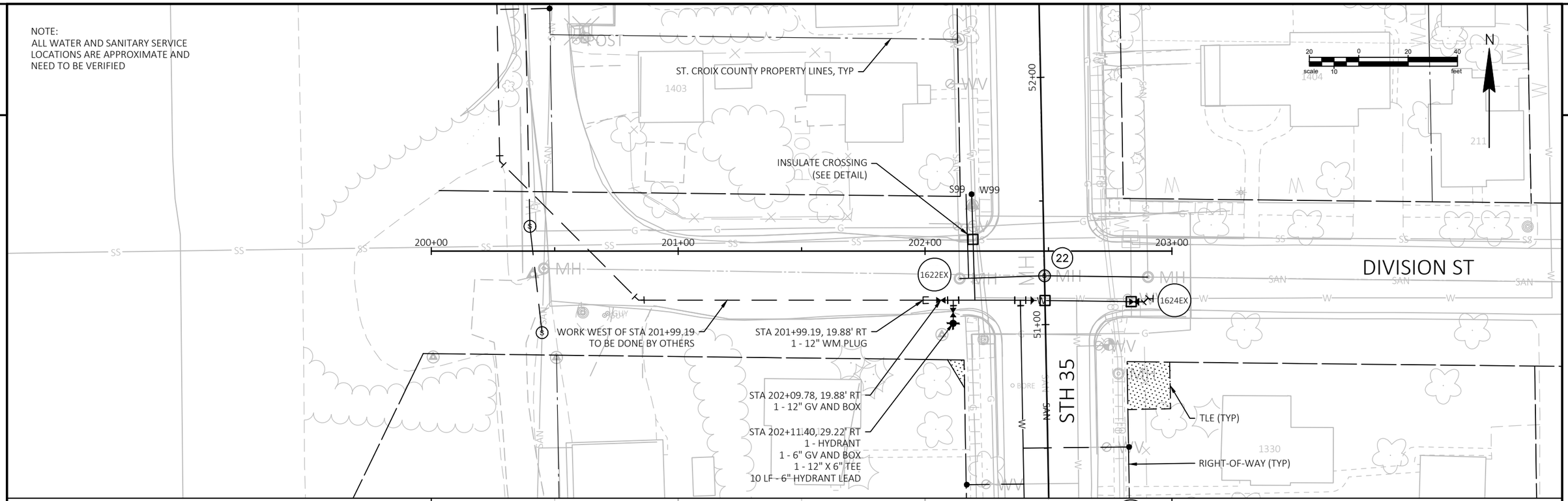
727.59	727.84	728.28	728.56	728.89	729.07
726.72	727.04	727.37	727.70	728.03	728.18

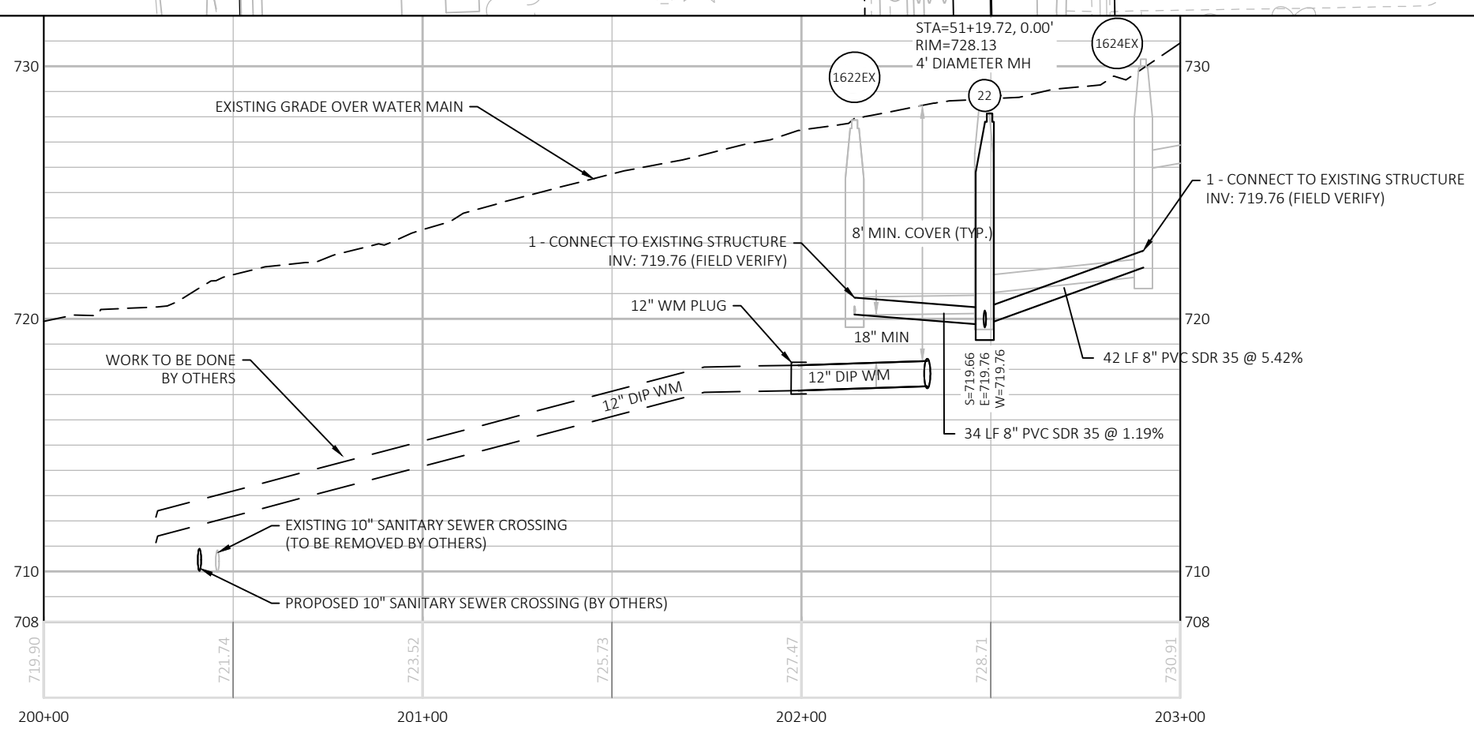
730
720
715

46+00 47+00 48+00 49+00 50+00 51+00

PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	STH 35	SHEET 135	E

NOTE:
ALL WATER AND SANITARY SERVICE LOCATIONS ARE APPROXIMATE AND NEED TO BE VERIFIED





PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	DIVISION STREET	SHEET 136	E

FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626PP - DIVISION STREET WATER.DWG
LAYOUT NAME - Highway 35 - Division Street Water
PLOT DATE : 10/15/2020 2:16 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTE:
ALL WATER AND SANITARY SERVICE LOCATIONS ARE APPROXIMATE AND NEED TO BE VERIFIED

STA 253+96.37, 14.33' LT
1 - HYDRANT
1 - 6" GV AND BOX
1 - 12" X 6" TEE
15 LF - 6" DIP WM

RIGHT-OF-WAY (TYP)

STA 253+89.33, 0.00'
1 - 12" WM PLUG

INSULATE CROSSING (SEE DETAIL)

STA 255+36.94, 0.00'
1 - HYDRANT
1 - 12" X 6" REDUCER
1 - 12" GV AND BOX
9 LF - 6" DIP WM

STA 255+21.94, 0.00'
1 - 12" X 12" TEE
1 - 12" X 4" REDUCER

STA 255+21.94, 15.00' RT
1 - 4" X 4" TEE
1 - 4" GV AND BOX
10 LF - 4" DIP WM
2 - CONNECT TO EX WM

TLE (TYP)

WORK WEST OF STA 253+89.33 TO BE DONE BY OTHERS

STA 254+46.35, 0.00'
2 - 12" 45° BENDS

STA 254+74.59, 0.00'
2 - 12" 45° BENDS

STA 255+11.07, 0.00'
1 - 12" GV AND BOX
1 - 12" 45° BEND

ST. CROIX COUNTRY PROPERTY LINE, TYP

NORTH STREET

STH 35

250+00 251+00 252+00 253+00 254+00 255+00 255+43 255+50 63+00 62+00

scale 10 20 0 20 40 feet

N

EXISTING GRADE OVER WATER MAIN

8' MIN. COVER (TYP.)

WORK TO BE DONE BY OTHERS

12" WM PLUG

12" DIP WM

NOTE: VERTICAL SCALE IS DIFFERENT, THIS SHEET ONLY.

720 710 700 690 680

720.51 719.71 716.02 712.17 707.88 703.65 700.09 697.63 697.47 697.36

250+00 251+00 252+00 253+00 254+00 255+00 255+50

PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	2ND STREET NORTH	SHEET 137	E

FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626PP - NORTH STREET EASTWESTWATER.DWG
LAYOUT NAME - Highway 35 - North Street EASTWESTWater
PLOT DATE : 9/4/2020 1:26 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

500 WISCONSIN ST N
WILLOW RIVER APARTMENTS LLC

STA 69+65, 10' LT
2 – 45° WTR BENDS

REMOVE MANHOLE

STA 73+00
TEMPORARY HYDRANT REQ'D
DUE TO CONSTRUCTION STAGING

512 WISCONSIN ST N
ARTHUR L & ROSEMARY KUNZE

STA 73+60.8, 10.0' LT
1 – 8"X8" CROSS
2 – 8" GV

STA 73+65, 80' LT
CONNECT TO EXIST WTR
2 – 45° BENDS
1 – 8" GV
1 – 8"X6" REDUCER

STA 73+74.2, 44.5'LT
HYDRANT
1 – 8"X6" TEE
1 – 6" GV
14LF – 6" HYD LEAD

80LF – 8" PVC @ 3.26%

72LF – 8" DI

SB-1

SAN MH 2

59LF – 8" PVC @ 3.64%

46LF – 8" DI

SAN MH 3

STH 35

4" INSULATION (TYP)

SAN MH 4

41LF – 8" DI

MATCHLINE
AT STATION – 73+90.00

STA 69+50.5, 41.6'RT
HYDRANT
1 – 6" GV
1 – 8"X6" TEE
11LF – 6" HYD LEAD

EXIST SAN MH

SAN MH 1

CLEAR & GRUB

STA 69+93, RT
21.5 LF – 4" SAN LAT
33.8 LF – 1" WTR LAT

STA 71+53, RT
44.0 LF – 4" SAN LAT
54.0 LF – 1" WTR LAT
(EXIST WTR SERVICE @
BACK OF HOUSE)

STA 73+59, 30' RT
CONNECT TO EXIST WTR
2 – 45° BENDS
1 – 8" GV

107 7TH ST N
SPENCER E & SHAWN E PORTER

108 6TH ST N
NICHOLAS W DUBORD

SOUTH STREET N

210 6TH ST N
ALEXANDRA NIEMANN

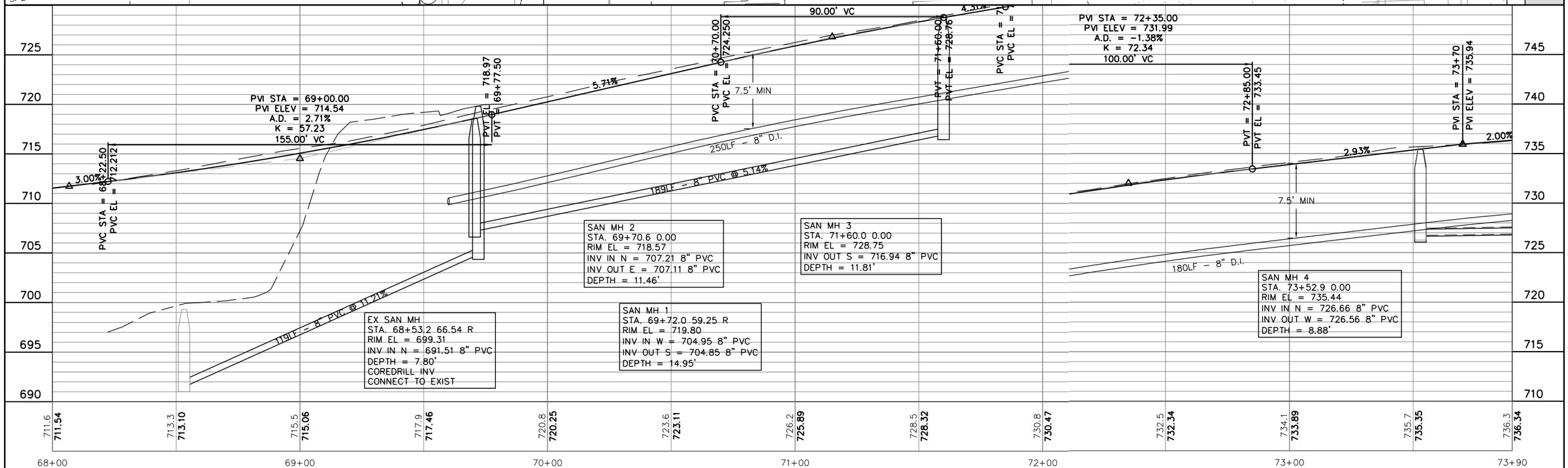
218 6TH ST N
CARMELLA M WRIGHT

604 WISCONSIN ST N
JENNIFER HAGER

WISCONSIN STREET N

EX 8" WTR

EX 6" WTR



PROJECT NO: 8080–05–70	HWY: STH 35	COUNTY: ST CROIX	UTILITY PLAN: SANITARY & WATER	SHEET 138 E

FILE NAME : I:\CLIENTS-MENO\N\N2636 VILLAGE OF NORTH HUDSON\091 STH 35 SANITARY SEWER & WATERMAIN REPLACEMENT\100 CAD\DWG\050101_PP_2636091.DWG PLOT DATE : 9/8/2020 8:49 AM PLOT BY : RYAN JONES PLOT NAME : PLOT SCALE : 1 IN : 40FT

WISDOT/CADDS SHEET 44

513 WISCONSIN ST N
PETER J & ANNE B YOUNG

309 6TH ST N
ANTHONY ZEZZA

311 6TH ST N
GREGORY A HANSEN

315 6TH ST N
KEVIN A JOHNSON

323 6TH ST N
PATRICIA A & RANDY BAKER

327 6TH ST N
(894 CTY RD N)
JOANN & CHARLES REISINGER

329 6TH ST N
NICHOLAS LISIECKI

339 6TH ST N
JUSTIN TESSIER

STA 74+44, LT
31.0 LF – 4" SAN LAT

STA 75+30, LT
21.0 LF – 1" WTR LAT
31.0 LF – 4" SAN LAT

STA 76+02, LT
21.0 LF – 1" WTR LAT
31.0 LF – 4" SAN LAT

STA 76+35.3, 30.0' LT
HYDRANT
1 – 8"X6" TEE
1 – 6" GV
1 – 8" GV
20LF – 6" HYD LEAD

STA 76+50, LT
21.0 LF – 1" WTR LAT
31.0 LF – 4" SAN LAT

STA 77+43, LT
31.0 LF – 4" SAN LAT
STA 77+51, LT
21.0 LF – 1" WTR LAT

STA 77+95, LT
21.0 LF – 1" WTR LAT
STA 78+20, LT
31.0 LF – 4" SAN LAT
(EXIST SERVICE
REPLACED ±2002)

STA 78+82, LT
30.9 LF – 4" SAN LAT
STA 78+87, LT
20.9 LF – 1" WTR LAT

STA 79+52, LT
20.9 LF – 1" WTR LAT
30.9 LF – 4" SAN LAT

STA 79+17.7, LT
30.9 LF – 4" SAN LAT
(FIELD VERIFY ACTIVE
SAN LAT)

10' TLE

R/W

MATCHLINE
AT STATION – 73+90.00

MATCHLINE
AT STATION – 79+80.00

SB-2

74+00 75+00 76+00 77+00 78+00 79+00

SAN MH 5

4" INSULATION (TYP)

STH 35

10'

R/W

10' TLE

STA 74+35, RT
29.0 LF – 4" SAN LAT

603 WISCONSIN ST N
KIRK E NELSON

605 WISCONSIN ST N
LAURA KAY DAVIS

STA 75+45, RT
39.0 LF – 1" WTR LAT
STA 75+93, RT
29.0 LF – 4" SAN LAT

303 6TH ST N
COURTNEY LESEMAN

STA 76+40, RT
39.0 LF – 1" WTR LAT
29.0 LF – 4" SAN LAT

316 6TH ST N
ETHAN YOUNG

STA 77+99, RT
38.6 LF – 1" WTR LAT
28.6 LF – 4" SAN LAT

324 6TH ST N
JULIE R MARKIE

STA 78+08, RT
39.1 LF – 1" WTR LAT
STA 78+24, RT
29.1 LF – 4" SAN LAT

326 6TH ST N
BRENDA RUPLES

STA 78+60, RT
29.1 LF – 4" SAN LAT
STA 78+85, RT
39.1 LF – 1" WTR LAT

332 6TH ST N
ANDREW J KUDRLE

STA 79+45, RT
39.1 LF – 1" WTR LAT
STA 79+75, RT
29.1 LF – 4" SAN LAT

338 6TH ST N
KAREN A OLSON

PVI STA = 75+45.00
PVI ELEV = 738.72
A.D. = 1.10%
K = 86.73
95.00' VC

PVI STA = 77+10.00
PVI ELEV = 742.49
A.D. = -2.76%
K = 57.94
160.00' VC

PVI STA = 80+10.00
PVI ELEV = 741.06
A.D. = -1.13%
K = 79.68
90.00' VC

PVI STA = 74+00
PVI ELEV = 736.54

PVI STA = 74+50
PVI ELEV = 737.59

PVC STA = 74+97.50
PVC EL = 738.155

PVT = 75+92.50
PVT EL = 739.81

PVC STA = 76+30.00
PVC EL = 740.662

HP STA = 77+62.38
HP ELEV = 742.17

PVT = 77+90.00
PVT EL = 742.11

PVC STA = 79+65.00
PVC EL = 741.274

PVT = 80+55.00
PVT EL = 740.34

SAN MH 5
STA 76+80.2 0.00
RIM EL = 741.59
INV IN N = 728.07 8" PVC
INV OUT S = 727.97 8" PVC
DEPTH = 13.62'

2.10% 1.19% 2.28% -0.48%

7.5' MIN

590LF – 8" D.I.

327LF – 8" PVC @ 0.40%

327LF – 8" PVC @ 0.40%

755 750 745 740 735 730 725 720

736.3 736.34 736.5 736.54 737.4 737.59 738.2 738.19 739.1 738.94 740.2 739.98 741.2 741.08 742.0 741.84 742.3 742.16 742.3 742.06 742.2 741.82 742.0 741.58 741.8 741.35 741.7 741.19

73+90 74+00 75+00 76+00 77+00 78+00 79+00 79+80

PROJECT NO: 8080–05–70	HWY: STH 35	COUNTY: ST CROIX	UTILITY PLAN: SANITARY & WATER	SHEET 139 E

FILE NAME : I:\CLIENTS-MENO\N\N2636 VILLAGE OF NORTH HUDSON\091 STH 35 SANITARY SEWER & WATERMAIN REPLACEMENT\100 CAD\DWG\050101_PP_2636091.DWG PLOT DATE : 9/8/2020 8:51 AM PLOT BY : RYAN JONES PLOT NAME : PLOT SCALE : 1 IN : 40FT

403 6TH ST N
DAVID D ALWIN

411 6TH ST N
DAVID O ALWIN

413 6TH ST N
DAVID O ALWIN

415 6TH ST N
413 6TH ST N LLC

501 6TH ST N
T CAMEL LLC

STA 82+50
TEMPORARY HYDRANT REQ'D
DUE TO CONSTRUCTION STAGING

STA 79+87.9, 34.0' LT
HYDRANT
1 – 8"X6" TEE
1 – 6" GV
1 – 8" GV
24LF – 6" HYD LEAD

STA 80+81, LT
29.7 LF – 4" SAN LAT
STA 80+84.6, LT
19.7 LF – 1" WTR LAT

STA 81+48, LT
29.8 LF – 4" SAN LAT
19.8 LF – 1" WTR LAT
(FIELD VERIFY WTR LOCATION)

STA 82+82, LT
20.0 LF – 1" WTR LAT
STA 82+87.0, LT
30.0 LF – 4" SAN LAT

STA 83+75, RT
20.1 LF – 1" WTR LAT

STA 83+80.0, 31.4' LT
HYDRANT
1 – 8"X6" TEE
1 – 6" GV
21.4LF – 6" HYD LEAD

STA 84+34, 28' LT
CONNECT TO EXIST WTR
1 – 12"X10" REDUCER

STA 84+33.9, 10' LT
1 – 8"X12" CROSS
1 – 8" GV
2 – 12" GV

STA 85+26, LT
30.1LF – 4" SAN LAT
20.1 LF – 6" WTR LAT
1 – 6" GV

MATCHLINE
AT STATION – 79+80.00

MATCHLINE
AT STATION – 85+70.00

10' TLE
R/W
SB–3
SB–4
SAN MH 6
SAN MH 7
SAN MH 8
STH 35
4" INSULATION (TYP)
18LF – 12" DI
32LF – 12" DI
PI = 84+21.53
80+00
81+00
82+00
83+00
84+00
85+00
ST CROIX STREET N
MONROE STREET N
EX 8" SAN
EX 10" WTR

STA 80+43, RT
30.3 LF – 4" SAN LAT
STA 80+80.1, RT
40.3 LF – 1" WTR LAT

STA 82+74, RT
30.0 LF – 4" SAN LAT
STA 82+81.1, RT
40.0 LF – 1" WTR LAT
(ADJUST WTR LAT AS NEEDED
TO AVOID CONC SIGN BASE)

STA 83+54, RT
40.0 LF – 1" WTR LAT
STA 83+59.5, RT
30.0 LF – 4" SAN LAT

STA 84+34, 22' RT
CONNECT TO EXIST WTR
1 – 12"X10" REDUCER

STA 84+58, RT
58.9 LF – 1" WTR LAT

404 6TH ST N
JAMES W BECHEL REVOCABLE TRUST

408 6TH ST N
EDWARD R ANDERSON

410 6TH ST N
DENNIS R LANGER

500 6TH ST N
(410 6TH ST N)
DENNIS R & MARY J LANGER

PVI STA = 80+10.00
PVI ELEV = 741.06
A.D. = –1.13%
K = 79.68
90.00' VC

PVI STA = 81+70.00
PVI ELEV = 738.49
A.D. = 2.48%
K = 42.40
105.00' VC
LP STA = 81+85.60
LP ELEV = 738.79

PVI STA = 82+78.00
PVI ELEV = 739.43
A.D. = 2.18%
K = 41.23
90.00' VC

PVI ELEV = 744.01
A.D. = –2.26%
K = 82.86
187.00' VC

PVC STA = 79+65.00
PVC EL = 741.274
PVT = 80+55.00
PVT EL = 740.34
PVC STA = 81+17.50
PVC EL = 739.333
PVT = 82+22.50
PVT EL = 738.95
PVC STA = 82+33.00
PVC EL = 739.038
PVT = 83+23.00
PVT EL = 740.80
PVC STA = 83+34.50
PVC EL = 741.155
PVT = 85+21.50
PVT EL = 744.75

–1.61%
0.87%
3.05%
0.80%
7.5' MIN
590LF – 8" D.I.
173LF – 8" PVC @ 2.05%
227LF – 8" PVC @ 0.40%
242LF – 8" PVC @ 0.40%

SAN MH 6
STA. 80+07.6 0.00
RIM EL = 740.96
INV IN N = 729.48 8" PVC
INV OUT S = 729.38 8" PVC
DEPTH = 11.58'

SAN MH 7
STA. 82+50.0 0.00
RIM EL = 739.22
INV IN N = 730.55 8" PVC
INV OUT S = 730.45 8" PVC
DEPTH = 8.77'

SAN MH 8
STA. 84+23.0 0.00
RIM EL = 743.39
INV IN N = 734.20 8" PVC
INV IN E = 734.20 8" PVC
INV OUT S = 734.10 8" PVC
INV OUT W = 734.10 8" PVC
DEPTH = 9.29'

755 750 745 740 735 730 725 720

741.7 **741.19** | 741.6 **741.03** | 740.9 **740.42** | 740.2 **739.61** | 739.8 **738.94** | 739.6 **738.81** | 740.1 **739.22** | 741.0 **740.17** | 742.3 **741.61** | 743.1 **742.90** | 743.8 **743.88** | 744.6 **744.56** | 745.1 **744.98** | 745.3 **745.14**

79+80 80+00 81+00 82+00 83+00 84+00 85+00 85+70

PROJECT NO: 8080–05–70	HWY: STH 35	COUNTY: ST CROIX	UTILITY PLAN: SANITARY & WATER	SHEET 140 E

FILE NAME : I:\CLIENTS-MENO\N\N2636 VILLAGE OF NORTH HUDSON\091 STH 35 SANITARY SEWER & WATERMAIN REPLACEMENT\100 CAD\DWG\050101_PP_2636091.DWG PLOT DATE : 9/8/2020 8:52 AM PLOT BY : RYAN JONES PLOT NAME : PLOT SCALE : 1 IN : 40FT

501 6TH ST N
T CAMEL LLC

509 6TH ST N
JAMES J THULL

515 6TH ST N
JANINE M NEWHOUSE

519 6TH ST N
JEANNE JOHNSON

523 6TH ST N
HENRY A & SUSAN A POMMERENING

527 6TH ST N
SAWYER C ARNDT

531 6TH ST N
BRIAN P MONTGOMERY

535 6TH ST N
(PO BOX 32, NEW RICHMOND 54017)
BAYLISS LLC

N

STA 86+28, LT
33.0 LF – 4" SAN LAT
STA 86+36.9, LT
23.0 LF – 1" WTR LAT

STA 87+01, LT
23.0 LF – 1" WTR LAT
STA 87+14.8, LT
33.0 LF – 4" SAN LAT

STA 87+65, 30.5' LT
HYDRANT
1 – 8"X6" TEE
1 – 6" GV
1 – 8" GV
20.5LF – 6" HYD LEAD

STA 88+28, LT
23.0 LF – 1" WTR LAT
STA 88+36.5, LT
33.0 LF – 4" SAN LAT

STA 89+36, LT
22.9 LF – 1" WTR LAT
32.9 LF – 4" SAN LAT

STA 90+07, LT
22.9 LF – 1" WTR LAT
32.9 LF – 4" SAN LAT

STA 90+45, LT
23.4 LF – 1" WTR LAT
33.4 LF – 4" SAN LAT

STA 91+35, LT
33.6 LF – 4" SAN LAT

MATCHLINE
AT STATION – 85+70.00

MATCHLINE
AT STATION – 91+60.00

10' TLE
R/W
SAN MH 9
4" INSULATION (TYP)
STH 35
SB-5
SAN MH 10
SAN MH 11
44LF – 8" PVC @ 0.40%
R/W
10' TLE

STA 86+21, RT
43.0 LF – 1" WTR LAT
STA 86+26.3, RT
33.0 LF – 4" SAN LAT

STA 87+11, RT
33.0 LF – 4" SAN LAT
STA 87+16.9, RT
43.0 LF – 1" WTR LAT

STA 87+69, RT
43.0 LF – 1" WTR LAT
33.0 LF – 4" SAN LAT

STA 88+08, RT
33.0 LF – 4" SAN LAT
STA 88+60.1, RT
43.1 LF – 1" WTR LAT

STA 88+90, 44' RT
HYDRANT
1 – 8"X6" TEE
1 – 6" GV
54LF – 6" HYD LEAD

STA 89+59, RT
33.1 LF – 4" SAN LAT

STA 89+06, RT
(3) 18 LF – 1" WTR LAT

STA 90+85, RT
33.2 LF – 4" SAN LAT
STA 90+97.2, RT
43.2 LF – 1" WTR LAT

STA 91+53, RT
41.5 LF – 1" WTR LAT

504 6TH ST N
AMBER YOCOM STROMBECK

510 6TH ST N
ANNETTE KINNEY

516 6TH ST N
(410 6TH ST N)
DENNIS ROGER & MARY J LANGER

520 6TH ST N
NICOLAS W & LISA A MEURETT

524 6TH ST N
JONATHAN M EVENS

532 6TH ST N
JEFFREY A & JOY C LETENDRE

538 6TH ST N
(16554 2ND ST, LAKELAND
SHORES MN 55403)
TORNING INVESTMENTS LLC

530 6TH ST N
KATHERINE L ALBERG

PVI STA = 86+00
PVI ELEV = 745.38

PVC STA = 86+25.00
PVC EL = 745.513

PVI STA = 86+90.00
PVI ELEV = 745.86
A.D. = –0.87%
K = 150.18
130.00' VC
HP STA = 87+05.09
HP ELEV = 745.73

PVT = 87+55.00
PVT EL = 745.64

0.53%

–0.33%

7.5' MIN

590LF – 8" D.I.

250LF – 8" PVC @ 0.44%

204LF – 8" PVC @ 0.40%

PVC STA = 89+60.00
PVC EL = 744.963

PVI STA = 90+15.00
PVI ELEV = 744.78
A.D. = 0.63%
K = 173.97
110.00' VC
LP STA = 90+17.81
LP ELEV = 744.87

PVT = 90+70.00
PVT EL = 744.94

0.30%

PVC STA = 91+22.50
PVC EL = 745.102

PVI STA = 91+95.00
PVI ELEV = 745.32
A.D. = 2.97%
K = 48.77
145.00' VC

PVT = 92+67.50
PVT EL = 747.69

SAN MH 9
STA. 86+50.0 0.00
RIM EL = 745.63
INV IN N = 735.11 8" PVC
INV OUT S = 735.11 8" PVC
DEPTH = 10.52'

SAN MH 10
STA. 89+00.0 0.00
RIM EL = 745.16
INV IN N = 736.21 8" PVC
INV IN E = 736.21 8" PVC
INV OUT S = 736.21 8" PVC
DEPTH = 8.95'

SAN MH 11
STA. 91+03.6 0.00
RIM EL = 745.04
INV IN N = 737.12 8" PVC
INV OUT S = 737.02 8" PVC
DEPTH = 8.02'

760 755 750 745 740 735 730 725

745.3 745.14 | 745.5 745.38 | 745.7 745.63 | 745.9 745.73 | 745.7 745.66 | 745.7 745.49 | 745.5 745.33 | 745.5 745.16 | 745.3 745.00 | 745.2 744.88 | 745.2 744.90 | 745.2 745.04 | 745.7 745.26 | 745.8 745.36

85+70 86+00 87+00 88+00 89+00 90+00 91+00 91+60

PROJECT NO: 8080–05–70	HWY: STH 35	COUNTY: ST CROIX	UTILITY PLAN: SANITARY & WATER	SHEET 141 E

535 6TH ST N
(PO BOX 32 NEW
RICHMOND WI 54017)
BAYLISS LLC

541 6TH ST N
(1185 MCKINLEY DR)
FLEX RENTALS LLC

545 6TH ST N
BIBLE BAPTIST CHURCH

551 6TH ST N
JASON GARY MOST

555 6TH ST N
CARL E & GAIL M NORDEN

601 6TH ST N
(1356 EGARD ST)
DAVID R KRUEGER

STA 91+65, LT
24.7 LF – 1" WTR LAT

STA 92+35, 31.0' LT
HYDRANT
1 – 8"X6" TEE
1 – 6" GV
1 – 8" GV
22LF – 6" HYD LEAD

STA 92+47, LT
23.0 LF – 1" WTR LAT
STA 92+65, LT
33.2 LF – 4" SAN LAT

STA 93+30, LT
25.1 LF – 1" WTR LAT
STA 93+68, LT
35.1 LF – 4" SAN LAT

STA 94+56, LT
23.0 LF – 1" WTR LAT
STA 95+06, LT
33.0 LF – 4" SAN LAT

STA 95+74, LT
23.0 LF – 1" WTR LAT >
STA 95+97, LT
33.0 LF – 4" SAN LAT >
STA 96+19, LT
33.0 LF – 4" SAN LAT >
(FIELD VERIFY ACTIVE SAN)

STA 96+30, 30.5' LT
HYDRANT
1 – 8"X6" TEE
1 – 6" GV
20.5LF – 6" HYD LEAD

STA 96+88, LT
23.0 LF – 1" WTR LAT
33.0 LF – 4" SAN LAT
STA 97+39, LT
33.0 LF – 4" SAN LAT
(FIELD VERIFY ACTIVE SAN)

STA 96+67, 10.0' LT
1 – 8"X8" TEE
1 – 11-1/4' BENDS
1 – 8" GV

N

10' TLE
R/W
MATCHLINE AT STATION – 91+60.00
MATCHLINE AT STATION – 97+50.00
SAN MH 12
SAN MH 13
SAN MH 14
SB 6
STH 35
P.I.: 94+07.89
4" INSULATION (TYP)
90LF – 8" DI
78LF – 8" PVC @ 2.35%
MICHAELSON STREET N
EX 8" WTR
EX 8" SAN

STA 91+85, RT
30.8 LF – 4" SAN LAT

538 6TH ST N
(16554 2ND ST S, LAKELAND
SHORES MN 55403)
TORNING INVESTMENTS LLC

STA 92+62, RT
42.4 LF – 1" WTR LAT
32.4 LF – 4" SAN LAT

542 6TH ST N
FREDERICK E BUTTKE

STA 93+54, RT
30.5 LF – 4" SAN LAT
STA 93+60, RT
41.2 LF – 1" WTR LAT

546 6TH ST N
ERIC JOYCE

STA 94+28, RT
43.0 LF – 1" WTR LAT
STA 94+32, RT
33.0 LF – 4" SAN LAT

550 6TH ST N
(N8855 1031ST ST, RIVER
FALLS WI 54022)
BUTLER RENTALS LLC

STA 94+85, RT
33.0 LF – 4" SAN LAT
STA 95+71, RT
43.0 LF – 1" WTR LAT

554 6TH ST N
JAMES J JR BOSCHUETZ

STA 96+57, RT
33.3 LF – 1" WTR LAT
41.4 LF – 4" SAN LAT

604 MICHAELSON ST N
JEFFREY A & DOREEN L CHAPIN

STA 97+05, RT
34.0 LF – 4" SAN LAT

STA 96+91, 77.5' RT
CONNECT TO EX WTR
1 – 8" GV

PVI STA = 91+95.00
PVI ELEV = 745.32
A.D. = 2.97%
K = 48.77
145.00' VC

PVI STA = 93+45.00
PVI ELEV = 750.23
A.D. = 1.60%
K = 56.27
90.00' VC

PVI STA = 95+45.00
PVI ELEV = 759.32
A.D. = -2.17%
K = 73.82
160.00' VC

PVC STA = 91+22.50
PVC EL = 745.102

PVT = 92+67.50
PVT EL = 747.69

PVC STA = 93+00.00
PVC EL = 748.757

PVT = 93+90.00
PVT EL = 752.42
PVI STA = 94+00
PVI ELEV = 752.91

PVC STA = 94+65.00
PVC EL = 755.783

PVT = 96+25.00
PVT EL = 761.12

PVI STA = 96+95
PVI ELEV = 762.70

3.27%
4.42%
-4.87%
2.25%
1.76%

7.5' MIN

590LF – 8" D.I.
273LF – 8" PVC @ 3.26%
158LF – 8" PVC @ 3.42%
146LF – 8" PVC @ 0.60%

SAN MH 12
STA. 92+50.0 0.00
RIM EL = 747.15
INV IN N = 738.10 8" PVC
INV OUT S = 737.99 8" PVC
DEPTH = 9.16'

SAN MH 13
STA. 94+07.9 0.00
RIM EL = 753.26
INV IN N = 743.60 8" PVC
INV OUT S = 743.50 8" PVC
DEPTH = 9.76'

SAN MH 14
STA. 96+80.6 0.00
RIM EL = 762.38
INV IN N = 752.60 8" PVC
INV IN E = 752.50 8" PVC
INV OUT S = 752.50 8" PVC
DEPTH = 9.88'

770 765 760 755 750 745 740 735

745.8 **745.36** | 746.3 **745.95** | 747.4 **747.15** | 749.0 **748.76** | 750.9 **750.62** | 753.3 **752.91** | 755.6 **755.12** | 757.6 **757.25** | 759.3 **759.05** | 760.8 **760.52** | 761.9 **761.69** | 763.0 **762.79** | 763.9 **763.67**

91+60 92+00 93+00 94+00 95+00 96+00 97+00 97+50

PROJECT NO: 8080–05–70	HWY: STH 35	COUNTY: ST CROIX	UTILITY PLAN: SANITARY & WATER	SHEET 142 E

FILE NAME : I:\CLIENTS-MENO\N\N2636 VILLAGE OF NORTH HUDSON\091 STH 35 SANITARY SEWER & WATERMAIN REPLACEMENT\100 CAD\DWG\050101_PP_2636091.DWG PLOT DATE : 9/8/2020 8:58 AM PLOT BY : RYAN JONES PLOT NAME : PLOT SCALE : 1 IN : 40FT

WISDOT/CADDS SHEET 44

2

605 6TH ST N
(740 REGAL RIDGE CR)
THOMAS P & TAMI M DATWYLER

609 6TH ST N
LYNN M WARD

613 6TH ST N
DUANE R & GLORIA J BONSE

617 6TH ST N
(636 7TH ST N)
ROBERT & TAMARA TURNER

621 6TH ST N
DANIEL S CARVER

625 6TH ST N
RUTH BYE

629 6TH ST N
LUANA J NYGAARD

STA 97+71 LT
23.0 LF – 1" WTR LAT
33.0 LF – 4" SAN LAT

STA 98+33, LT
23.0 LF – 1" WTR LAT
33.0 LF – 4" SAN LAT

STA 99+12, LT
33.0 LF – 4" SAN LAT
STA 99+69, LT
23.0 LF – 1" WTR LAT

STA 100+00, 30.5' LT
HYDRANT
1 – 8"X6" TEE
1 – 6" GV
20.5LF – 6" HYD LEAD

STA 100+13, LT
23.0 LF – 1" WTR LAT
STA 100+43, LT
33.0 LF – 4" SAN LAT

STA 101+04, LT
23.0 LF – 1" WTR LAT
33.0 LF – 4" SAN LAT

STA 101+64, LT
23.0 LF – 1" WTR LAT
33.0 LF – 4" SAN LAT

STA 102+41, LT
23.0 LF – 1" WTR LAT
STA 102+48, LT
33.0 LF – 4" SAN LAT

STA 103+08, LT
33.0 LF – 4" SAN LAT
STA 103+17, LT
23.0 LF – 1" WTR LAT

STA 103+37, 30.5' LT
HYDRANT
1 – 8"X6" TEE
1 – 6" GV
20.5LF – 6" HYD LEAD

N

10' TLE

R/W

MATCHLINE
AT STATION – 97+50.00

MATCHLINE
AT STATION – 103+40.00

98+00 | 99+00 | 100+00 | 101+00 | 102+00 | 103+00

SAN MH 15

STH 35

4" INSULATION (TYP)

R/W

10' TLE

STA 97+70, RT
43.0 LF – 1" WTR LAT

STA 98+36, RT
43.0 LF – 1" WTR LAT
33.0 LF – 4" SAN LAT

STA 98+85, RT
33.0 LF – 4" SAN LAT
STA 99+51, RT
43.0 LF – 1" WTR LAT

STA 99+96, RT
43.0 LF – 1" WTR LAT
33.0 LF – 4" SAN LAT

STA 101+44, RT
43.0 LF – 1" WTR LAT
33.0 LF – 4" SAN LAT

STA 102+04, RT
43.0 LF – 1" WTR LAT
33.0 LF – 4" SAN LAT

STA 103+01, RT
43.0 LF – 1" WTR LAT
33.0 LF – 4" SAN LAT

602 6TH ST N
(941 MEADOWOOD LN)
WILLIAM J & PAULA N KOTZ

606 6TH ST N
LESTER C &
LORI G (TR) RAYOME

610 6TH ST N
JAMES & VIOLA SHEDORE

614 6TH ST N
JANET M PASTIAN

618 6TH ST N
NORA ANN BETH JONES

622 6TH ST N
DANIEL J & CAITLIN J MARTY

626 6TH ST N
CRAIG BJORNSTAD

PVI STA = 98+55.00
PVI ELEV = 765.51
A.D. = 1.50%
K = 66.81
100.00' VC

PVI STA = 101+40.00
PVI ELEV = 775.04
A.D. = -2.27%
K = 39.62
90.00' VC

PVI STA = 102+85.00
PVI ELEV = 776.79
A.D. = -0.71%
K = 127.32
90.00' VC

PVC STA = 98+05.00
PVC EL = 764.632

PVT = 99+05.00
PVT EL = 767.14

PVI STA = 100+25
PVI ELEV = 771.04

PVC STA = 100+95.00
PVC EL = 773.475

PVT = 101+85.00
PVT EL = 775.58

PVC STA = 102+40.00
PVC EL = 776.247

PVT = 103+30.00
PVT EL = 777.02

1.76%
3.25%
3.48%
1.21%

7.5' MIN

590LF – 8" D.I.

400LF – 8" PVC @ 2.60%

400LF – 8" PVC @ 0.85%

SAN MH 15
STA. 100+80.6 0.00
RIM EL = 772.97
INV IN N = 763.10 8" PVC
INV OUT S = 763.00 8" PVC
DEPTH = 9.97'

785 | 780 | 775 | 770 | 765 | 760 | 755 | 750

763.9 **763.67** | 764.8 **764.54** | 765.8 **765.57** | 767.3 **766.98** | 768.9 **768.60** | 770.4 **770.23** | 772.1 **771.91** | 773.8 **773.65** | 775.0 **775.01** | 775.8 **775.76** | 776.4 **776.36** | 777.0 **776.83** | 777.3 **777.06**

97+50 | 98+00 | 99+00 | 100+00 | 101+00 | 102+00 | 103+00 | 103+40

PROJECT NO: 8080–05–70	HWY: STH 35	COUNTY: ST CROIX	UTILITY PLAN: SANITARY & WATER	SHEET 143 E

FILE NAME : I:\CLIENTS-MENO\N\N2636 VILLAGE OF NORTH HUDSON\091 STH 35 SANITARY SEWER & WATERMAIN REPLACEMENT\100 CAD\DWG\050101_PP_2636091.DWG PLOT DATE : 9/8/2020 8:58 AM PLOT BY : RYAN JONES PLOT NAME : PLOT SCALE : 1 IN : 40FT

WISDOT/CADDS SHEET 44

2

633 6TH ST N
KAY A LARSON

637 6TH ST N
(717 SOMMERS POINT N)
RONALD FULTON

643 6TH ST N
ALLEN E MCNAMEE

645 6TH ST N
ANTHONY P DE ROSE

647 6TH ST N
BART J GERMAIN

649 6TH ST N
(1374 HWY 65,
NEW RICHMOND WI 54017)
COLLEEN O'SHAUGHNESSY

STA 104+19, LT
33.0 LF – 4" SAN LAT
STA 104+53, LT
23.0 LF – 1" WTR LAT

STA 105+83, LT
23.0 LF – 1" WTR LAT
STA 106+15, LT
33.0 LF – 4" SAN LAT

STA 106+89, 30.5' LT
HYDRANT
1 – 8"X6" TEE
1 – 6" GV
20.5LF – 6" HYD LEAD

STA 107+19, LT
23.0 LF – 1" WTR LAT
STA 107+24, LT
33.0 LF – 4" SAN LAT

STA 108+02, LT
33.0 LF – 4" SAN LAT
STA 108+44, LT
23.0 LF – 1" WTR LAT

STA 108+83, LT
23.0 LF – 1" WTR LAT
STA 109+22, LT
33.0 LF – 4" SAN LAT

N

10' TLE
R/W

MATCHLINE
AT STATION – 103+40.00

SB–7

SAN MH 16

104+00 105+00 106+00 107+00 108+00 109+00

SAN MH 17

10'

4" INSULATION (TYP)

STH 35

43LF – 6" DI

MATCHLINE
AT STATION – 109+30.00

R/W
10' TLE

REMOVE MANHOLE

STA 103+71, RT
33.0 LF – 4" SAN LAT
STA 103+75.2, RT
43.0 LF – 1" WTR LAT

632 6TH ST N
BRADLEY R HETLAND

STA 104+62, RT
43.0 LF – 1" WTR LAT
33.0 LF – 4" SAN LAT

634 6TH ST N
MARK J TURNBULL, JASON C &
KATHLEEN R PELNAR

STA 105+49, RT
43.0 LF – 1" WTR LAT
33.0 LF – 4" SAN LAT

636 6TH ST N
RAE ANN PELNAR

STA 106+03, RT
33.0 LF – 4" SAN LAT
STA 106+09, RT
43.0 LF – 1" WTR LAT

638 6TH ST N
JAMES E & JULIANNA M MARKGRAF

STA 106+96, RT
33.0 LF – 4" SAN LAT

643 7TH ST N
CONNIE M PAULSON

STA 108+68, 10' LT
1 – 8"X6" TEE
1 – 6" GV
STA 108+68, 33' RT
CONNECT TO EXIST WTR

647 7TH ST N
ROBERT J & KATHLEEN M LUTY

EX. 6" WTR

STA 108+88, RT
43.0 LF – 1" WTR LAT
STA 109+11, RT
33.0 LF – 4" SAN LAT

651 7TH ST N
WARREN R EASTWOOD

2

PVI STA = 108+70.00
PVI ELEV = 782.18
A.D. = 1.09%
K = 138.12
150.00' VC

PVI STA = 104+05.00
PVI ELEV = 777.39
A.D. = 0.59%
K = 160.60
95.00' VC

PVC STA = 103+57.50
PVC EL = 777.152

PVT = 104+52.50
PVT EL = 777.91

SAN MH 16
STA. 104+80.6 0.00
RIM EL = 778.21
INV IN N = 766.60 8" PVC
INV OUT S = 766.50 8" PVC
DEPTH = 11.71'

PVI STA = 107+00
PVI ELEV = 780.61

PVC STA = 107+95.00
PVC EL = 781.487

PVT = 109+45.00
PVT EL = 783.69

0.50%
1.09%
0.92%

7.5' MIN

590LF – D.I.
269LF – 8" PVC @ 1.42%
274LF – 8" PVC @ 0.40%

SAN MH 17
STA. 107+49.7 0.00
RIM EL = 781.07
INV IN N = 770.54 8" PVC
INV OUT S = 770.43 8" PVC
DEPTH = 10.64'

795 790 785 780 775 770 765 760

777.3 777.06 777.4 777.12 777.8 777.42 778.3 777.88 778.6 778.43 779.1 778.97 779.6 779.52 780.2 780.06 780.7 780.61 781.1 781.07 781.6 781.53 782.3 782.10 783.0 782.86 783.6 783.39

103+40 104+00 105+00 106+00 107+00 108+00 109+00 109+30

PROJECT NO: 8080–05–70	HWY: STH 35	COUNTY: ST CROIX	UTILITY PLAN: SANITARY & WATER	SHEET 144 E

FILE NAME : I:\CLIENTS-MENO\N\N2636 VILLAGE OF NORTH HUDSON\091 STH 35 SANITARY SEWER & WATERMAIN REPLACEMENT\100 CAD\DWG\050101_PP_2636091.DWG PLOT DATE : 9/8/2020 8:59 AM PLOT BY : RYAN JONES PLOT NAME : PLOT SCALE : 1 IN : 40FT
WISDOT/CADDS SHEET 44

2

649 6TH ST N
COLLEEN O'SHAUGHNESSY

651 6TH ST N
NICOLLE GUNNLAUGSSON

703 6TH ST N
MARC A ZAPPA

709 6TH ST N
SEAN ROWAN

715 6TH ST N
ANTHONY T &
JANE E TRUST ZAPPA

STA 109+83, LT
23.0 LF – 1" WTR LAT
33.0 LF – 4" SAN LAT

STA 110+62, 31' LT
HYDRANT
1 – 8"X6" TEE
1 – 6" GV
21LF – 6" HYD LEAD

STA 110+89, 10' LT
1 – 8"X8" WET-TAP

10' TLE

R/W

EX 8" WTR

ADJUST GV

ADJUST MANHOLE COVER

SB-8

SAN MH 18

MATCHLINE
AT STATION 109+30.00

110+00

111+00

112+00

112+96

REMOVE MANHOLE

ADJUST GV

STH 35

ADJUST MANHOLE COVER

R/W

10' TLE

651 7TH ST N
WARREN R EASTWOOD

STA 110+19, LT
29.0 LF – 4" SAN LAT

SOMMERS STREET N

R/W

ADJUST GV

704 6TH ST N
SUSAN K MANNING

702 6TH ST N
ERICKSON OIL PRODUCTS INC

710 6TH ST N
ZAPPA COMPANY LLC

PVI STA = 108+70.00
PVI ELEV = 782.18
A.D. = 1.09%
K = 138.12
150.00' VC

PVC STA = 107+95.00
PVC EL = 781.487

PVT = 109+45.00
PVT EL = 783.69

PVI STA = 109+75
PVI ELEV = 784.29

PVI STA = 111+60
PVI ELEV = 788.73

2.01%

2.40%

1.61%

7.5' MIN

160LF – 8" D.I.

SAN MH 18
STA. 110+24.2 0.00
RIM EL = 785.47
INV OUT S = 771.63 8" PVC
DEPTH = 13.84'

800
795
790
785
780
775
770
765

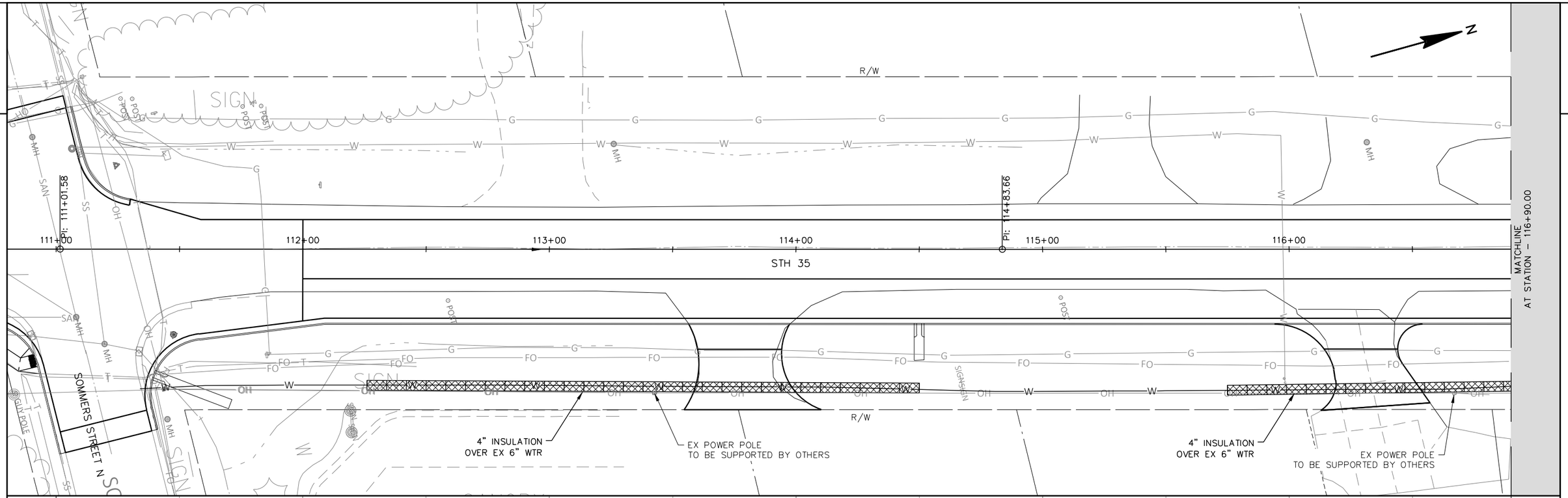
783.6 **783.39**
783.9 **783.79**
785.0 **784.89**
786.2 **786.09**
787.2 **787.29**
788.3 **788.49**
789.3 **789.37**
790.1 **790.18**
790.8 **790.91**

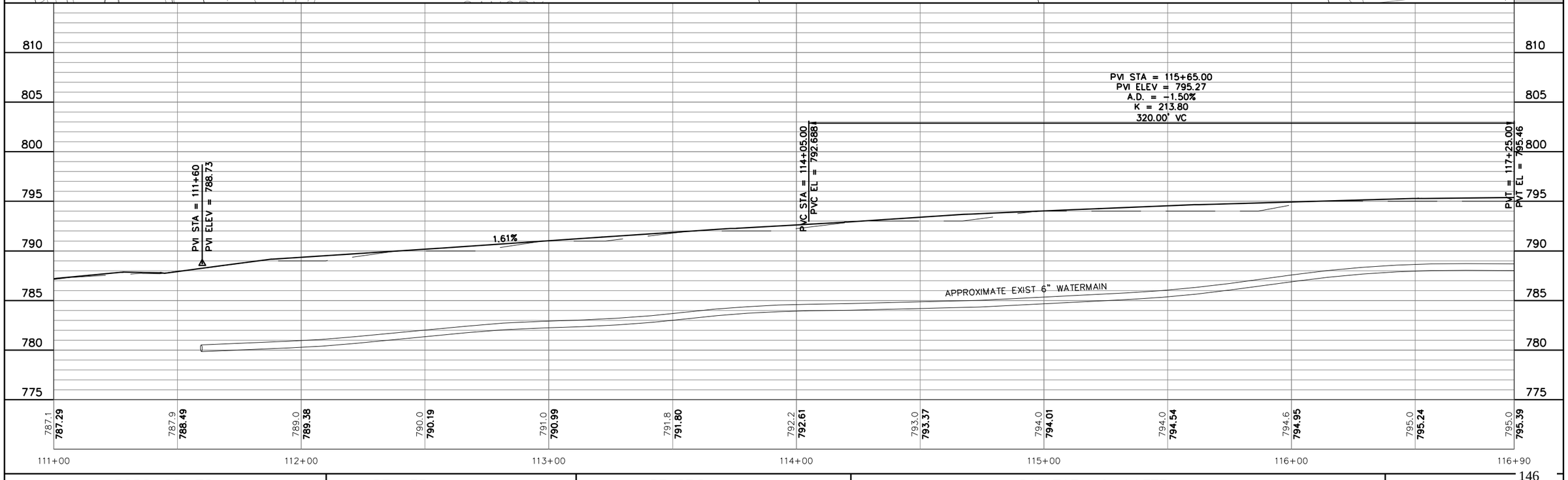
109+30
110+00
111+00
112+00
112+95.62

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	UTILITY PLAN: SANITARY & WATER	SHEET 145 E

FILE NAME : I:\CLIENTS-MENO\N\N2636 VILLAGE OF NORTH HUDSON\091 STH 35 SANITARY SEWER & WATERMAIN REPLACEMENT\100 CAD\DWG\050101_PP_2636091.DWG PLOT DATE : 9/8/2020 8:59 AM PLOT BY : RYAN JONES PLOT NAME : PLOT SCALE : 1 IN : 40FT

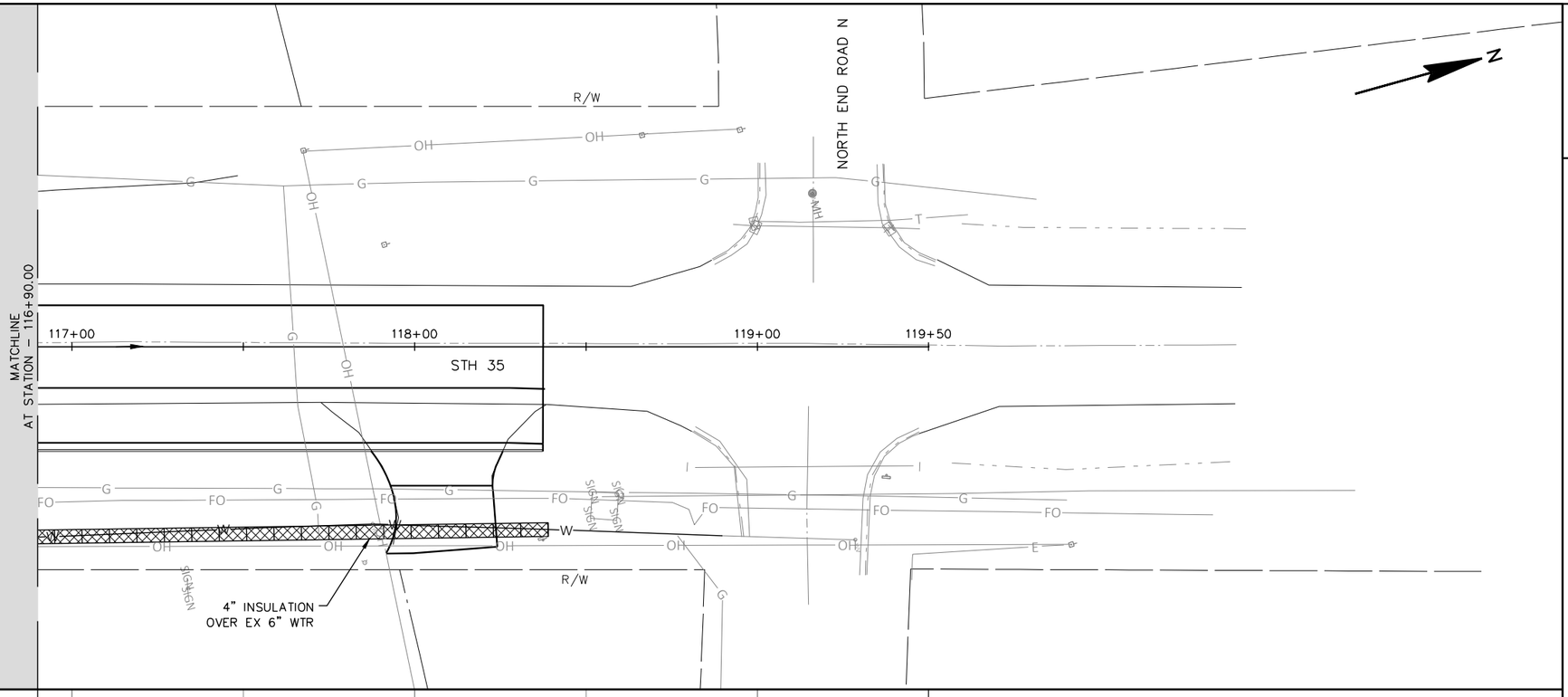
2

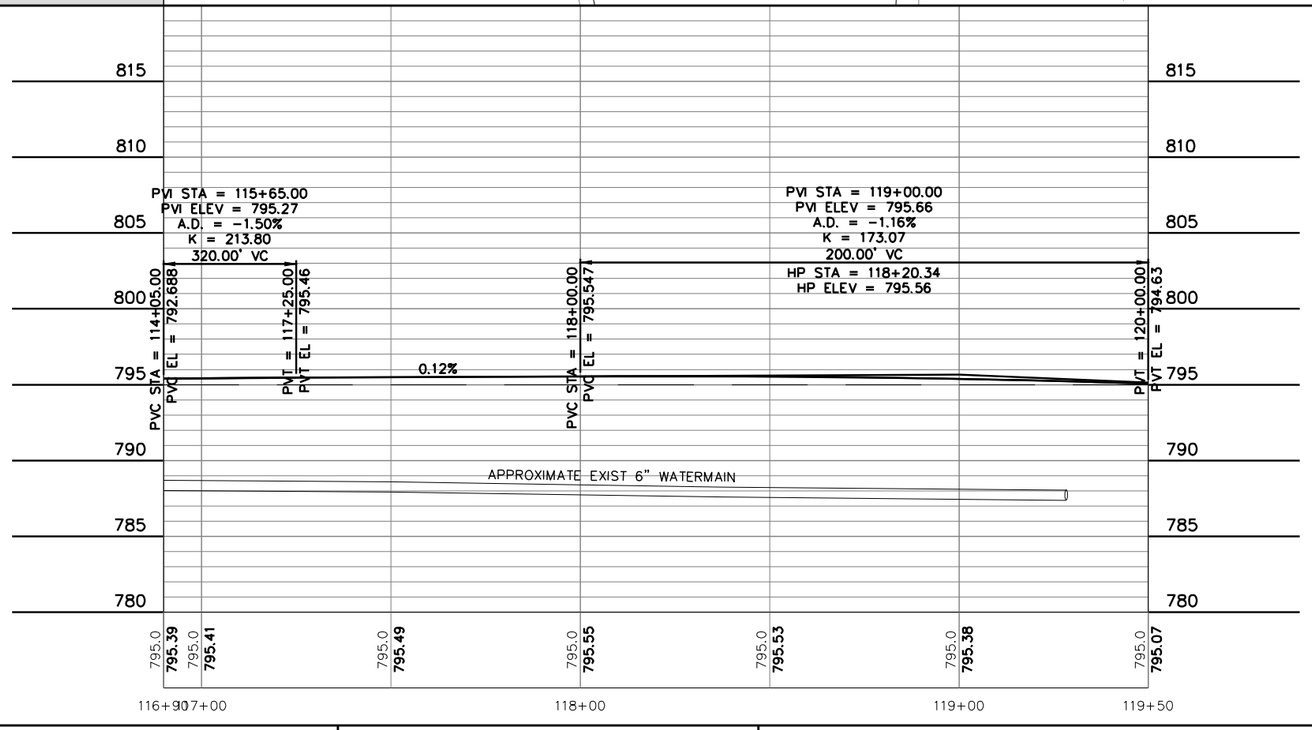




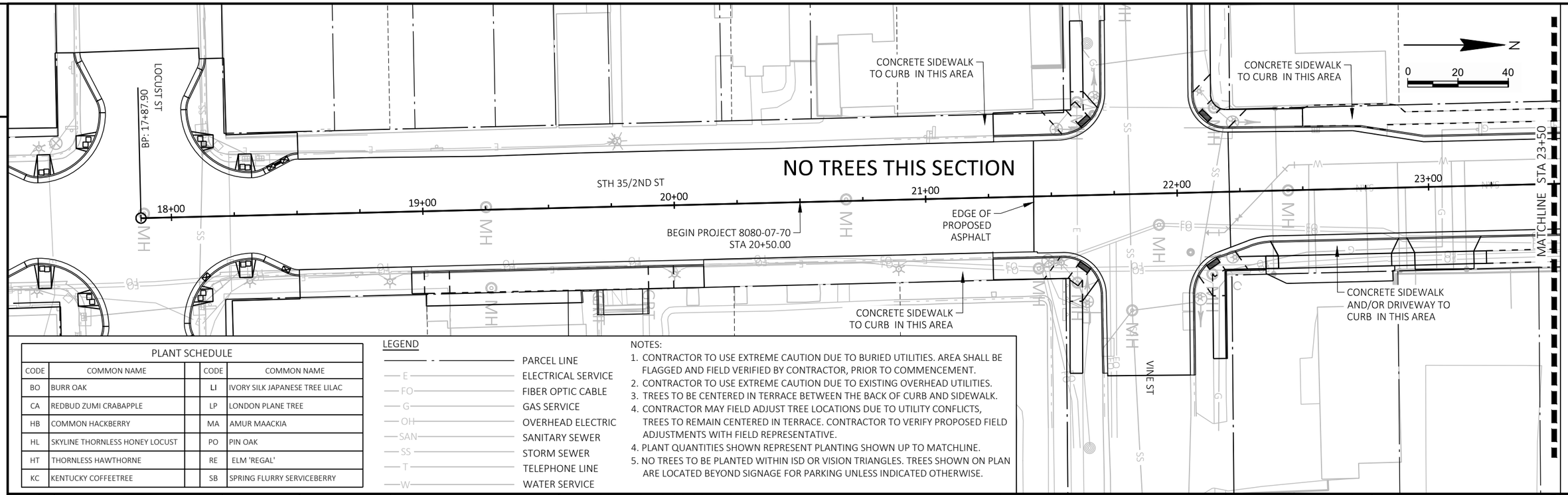
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: SANITARY & WATER	SHEET 146

2





PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: SANITARY & WATER	SHEET 147 E

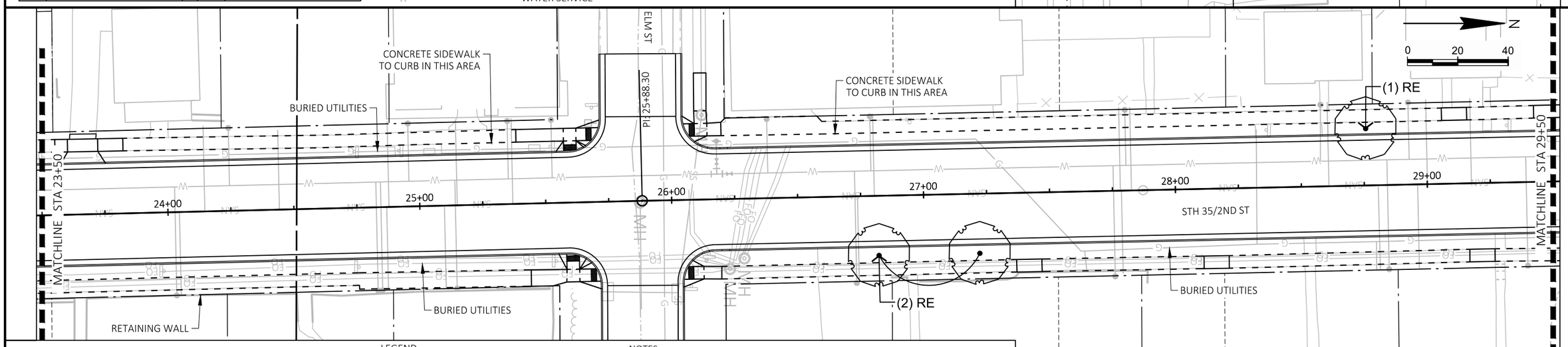


PLANT SCHEDULE				
CODE	COMMON NAME		CODE	COMMON NAME
BO	BURR OAK		LI	IVORY SILK JAPANESE TREE LILAC
CA	REDBUD ZUMI CRABAPPLE		LP	LONDON PLANE TREE
HB	COMMON HACKBERRY		MA	AMUR MAACKIA
HL	SKYLINE THORNLESS HONEY LOCUST		PO	PIN OAK
HT	THORNLESS HAWTHORNE		RE	ELM 'REGAL'
KC	KENTUCKY COFFEETREE		SB	SPRING FLURRY SERVICEBERRY

LEGEND

- PARCEL LINE
- E — ELECTRICAL SERVICE
- FO — FIBER OPTIC CABLE
- G — GAS SERVICE
- OH — OVERHEAD ELECTRIC
- SAN — SANITARY SEWER
- SS — STORM SEWER
- T — TELEPHONE LINE
- W — WATER SERVICE

NOTES:
1. CONTRACTOR TO USE EXTREME CAUTION DUE TO BURIED UTILITIES. AREA SHALL BE FLAGGED AND FIELD VERIFIED BY CONTRACTOR, PRIOR TO COMMENCEMENT.
2. CONTRACTOR TO USE EXTREME CAUTION DUE TO EXISTING OVERHEAD UTILITIES.
3. TREES TO BE CENTERED IN TERRACE BETWEEN THE BACK OF CURB AND SIDEWALK.
4. CONTRACTOR MAY FIELD ADJUST TREE LOCATIONS DUE TO UTILITY CONFLICTS, TREES TO REMAIN CENTERED IN TERRACE. CONTRACTOR TO VERIFY PROPOSED FIELD ADJUSTMENTS WITH FIELD REPRESENTATIVE.
4. PLANT QUANTITIES SHOWN REPRESENT PLANTING SHOWN UP TO MATCHLINE.
5. NO TREES TO BE PLANTED WITHIN ISD OR VISION TRIANGLES. TREES SHOWN ON PLAN ARE LOCATED BEYOND SIGNAGE FOR PARKING UNLESS INDICATED OTHERWISE.



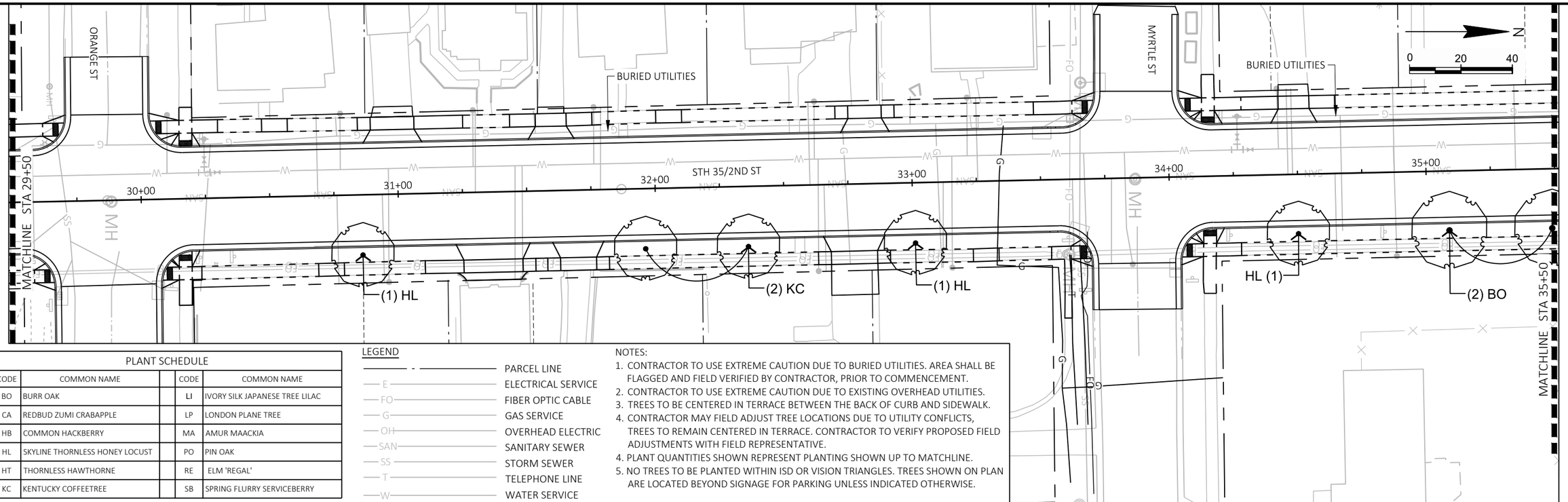
PLANT SCHEDULE				
CODE	COMMON NAME		CODE	COMMON NAME
BO	BURR OAK		LI	IVORY SILK JAPANESE TREE LILAC
CA	REDBUD ZUMI CRABAPPLE		LP	LONDON PLANE TREE
HB	COMMON HACKBERRY		MA	AMUR MAACKIA
HL	SKYLINE THORNLESS HONEY LOCUST		PO	PIN OAK
HT	THORNLESS HAWTHORNE		RE	ELM 'REGAL'
KC	KENTUCKY COFFEETREE		SB	SPRING FLURRY SERVICEBERRY

LEGEND

- PARCEL LINE
- E — ELECTRICAL SERVICE
- FO — FIBER OPTIC CABLE
- G — GAS SERVICE
- OH — OVERHEAD ELECTRIC
- SAN — SANITARY SEWER
- SS — STORM SEWER
- T — TELEPHONE LINE
- W — WATER SERVICE

NOTES:
1. CONTRACTOR TO USE EXTREME CAUTION DUE TO BURIED UTILITIES. AREA SHALL BE FLAGGED AND FIELD VERIFIED BY CONTRACTOR, PRIOR TO COMMENCEMENT.
2. CONTRACTOR TO USE EXTREME CAUTION DUE TO EXISTING OVERHEAD UTILITIES.
3. TREES TO BE CENTERED IN TERRACE BETWEEN THE BACK OF CURB AND SIDEWALK.
4. CONTRACTOR MAY FIELD ADJUST TREE LOCATIONS DUE TO UTILITY CONFLICTS, TREES TO REMAIN CENTERED IN TERRACE. CONTRACTOR TO VERIFY PROPOSED FIELD ADJUSTMENTS WITH FIELD REPRESENTATIVE.
4. PLANT QUANTITIES SHOWN REPRESENT PLANTING SHOWN UP TO MATCHLINE.
5. NO TREES TO BE PLANTED WITHIN ISD OR VISION TRIANGLES. TREES SHOWN ON PLAN ARE LOCATED BEYOND SIGNAGE FOR PARKING UNLESS INDICATED OTHERWISE.

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	LANDSCAPE PLAN: STA 18+00 TO 29+50	SHEET 148	E



PLANT SCHEDULE				
CODE	COMMON NAME		CODE	COMMON NAME
BO	BURR OAK		LI	IVORY SILK JAPANESE TREE LILAC
CA	REDBUD ZUMI CRABAPPLE		LP	LONDON PLANE TREE
HB	COMMON HACKBERRY		MA	AMUR MAACKIA
HL	SKYLINE THORNLESS HONEY LOCUST		PO	PIN OAK
HT	THORNLESS HAWTHORNE		RE	ELM 'REGAL'
KC	KENTUCKY COFFEETREE		SB	SPRING FLURRY SERVICEBERRY

LEGEND

- PARCEL LINE
- E — ELECTRICAL SERVICE
- FO — FIBER OPTIC CABLE
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NOTES:
1. CONTRACTOR TO USE EXTREME CAUTION DUE TO BURIED UTILITIES. AREA SHALL BE FLAGGED AND FIELD VERIFIED BY CONTRACTOR, PRIOR TO COMMENCEMENT.
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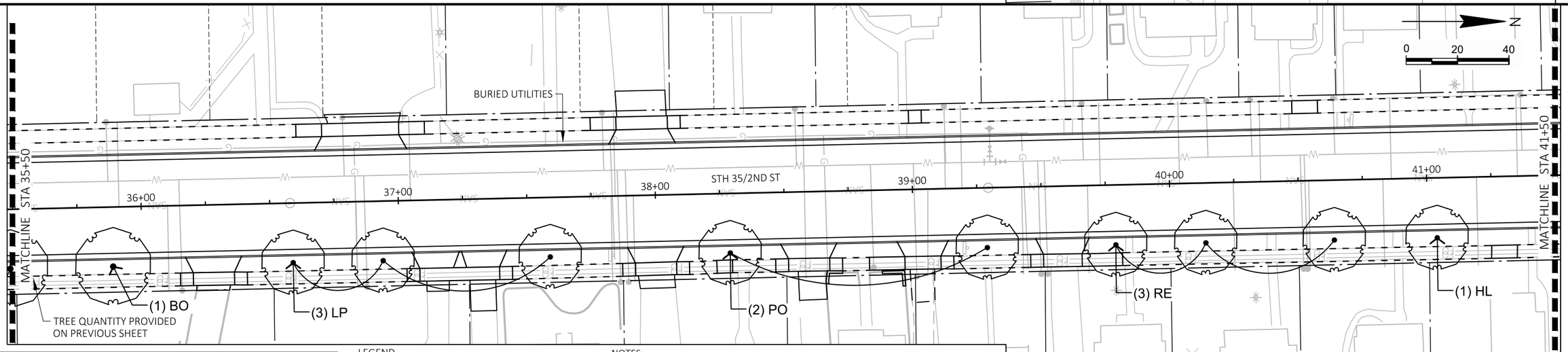

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CODE	COMMON NAME		CODE	COMMON NAME
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HL	SKYLINE THORNLESS HONEY LOCUST		PO	PIN OAK
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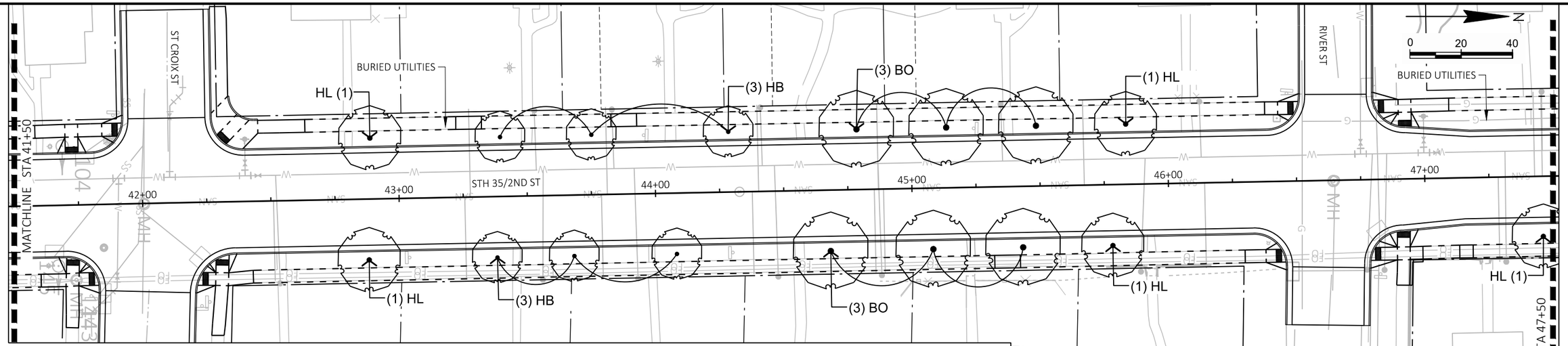
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	LANDSCAPE PLAN: STA 29+50 TO 41+50	SHEET 149	E



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HL	SKYLINE THORNLESS HONEY LOCUST		PO	PIN OAK
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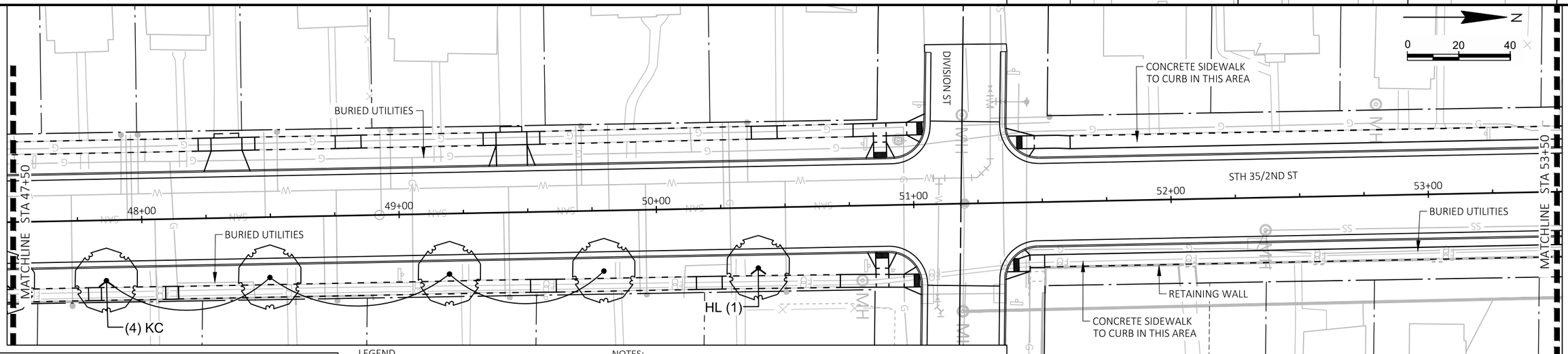

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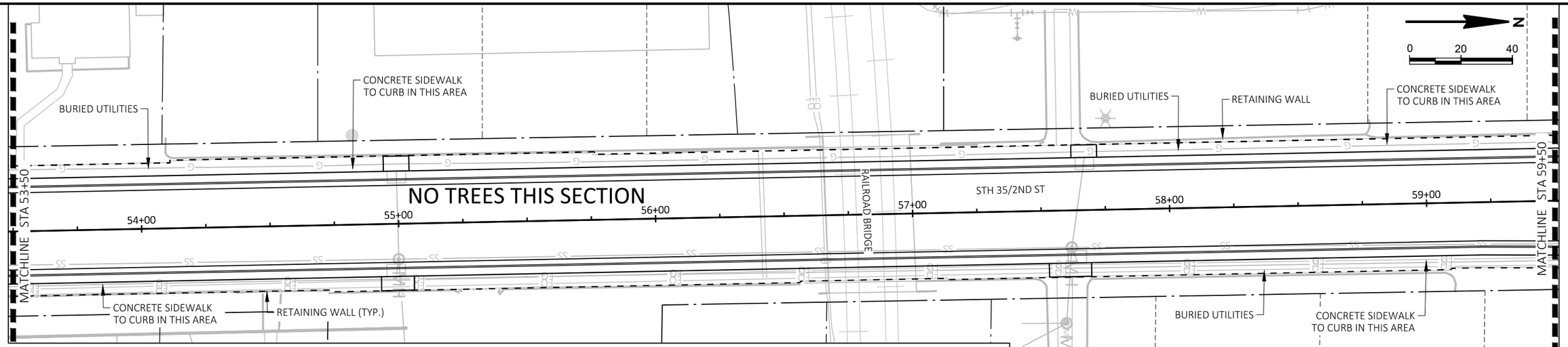
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	LANDSCAPE PLAN: STA 41+50 TO 53+50	SHEET 150	E



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CODE	COMMON NAME		CODE	COMMON NAME
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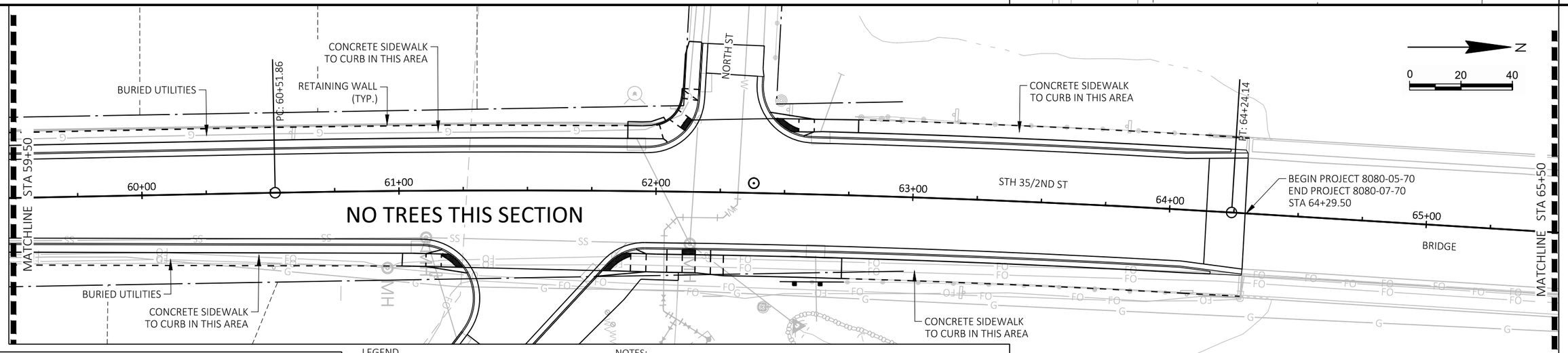

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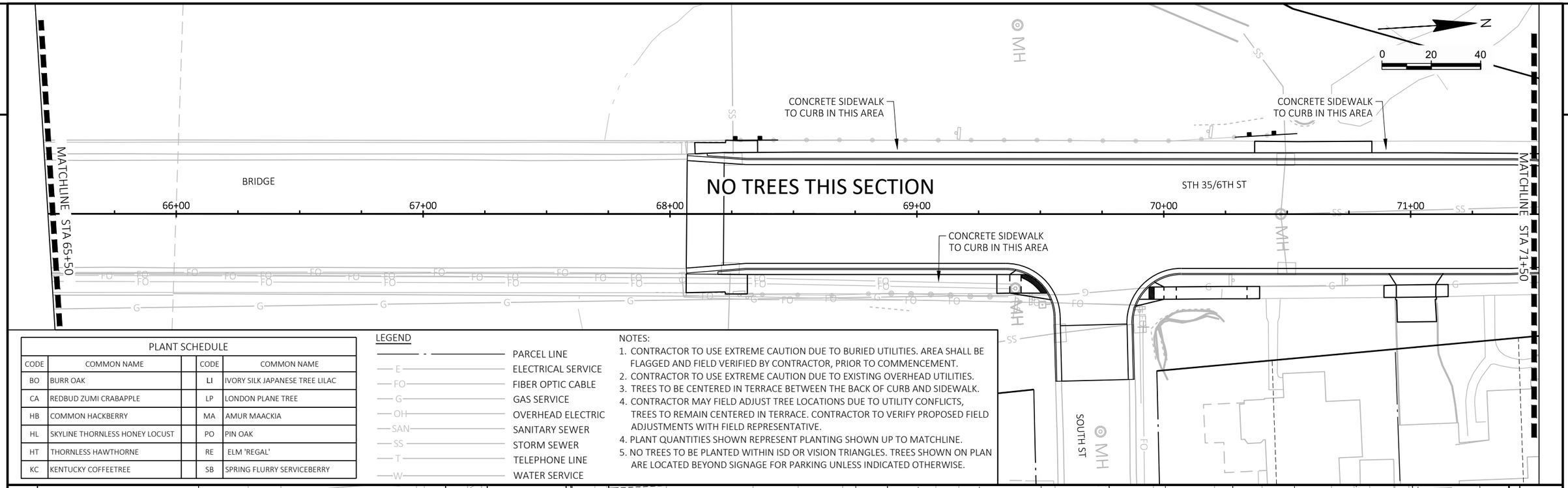
PROJECT NO: 8080-07-70/8080-05-70	HWY: STH 35	COUNTY: ST CROIX	LANDSCAPE PLAN: STA 53+50 TO 65+50	SHEET 151	E

2



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CODE	COMMON NAME		CODE	COMMON NAME
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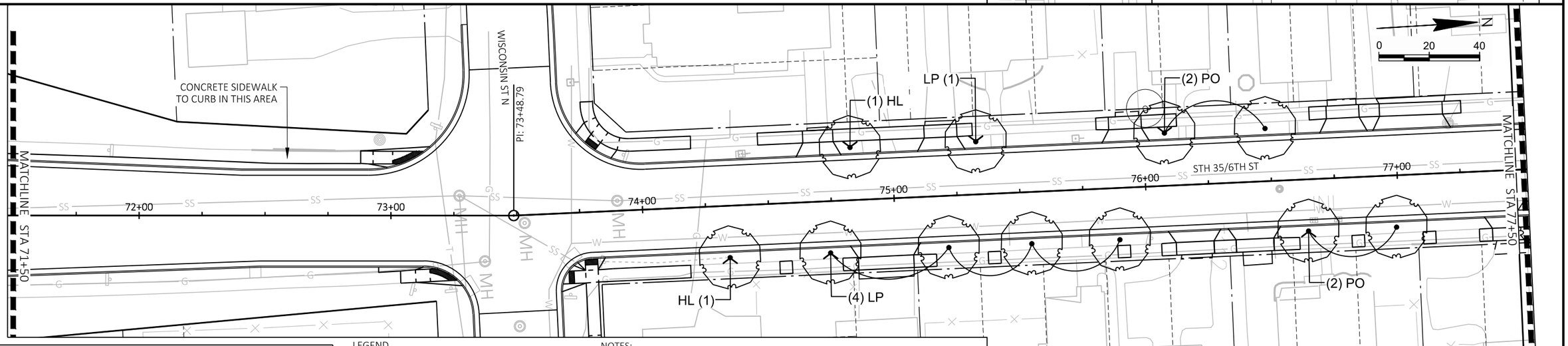

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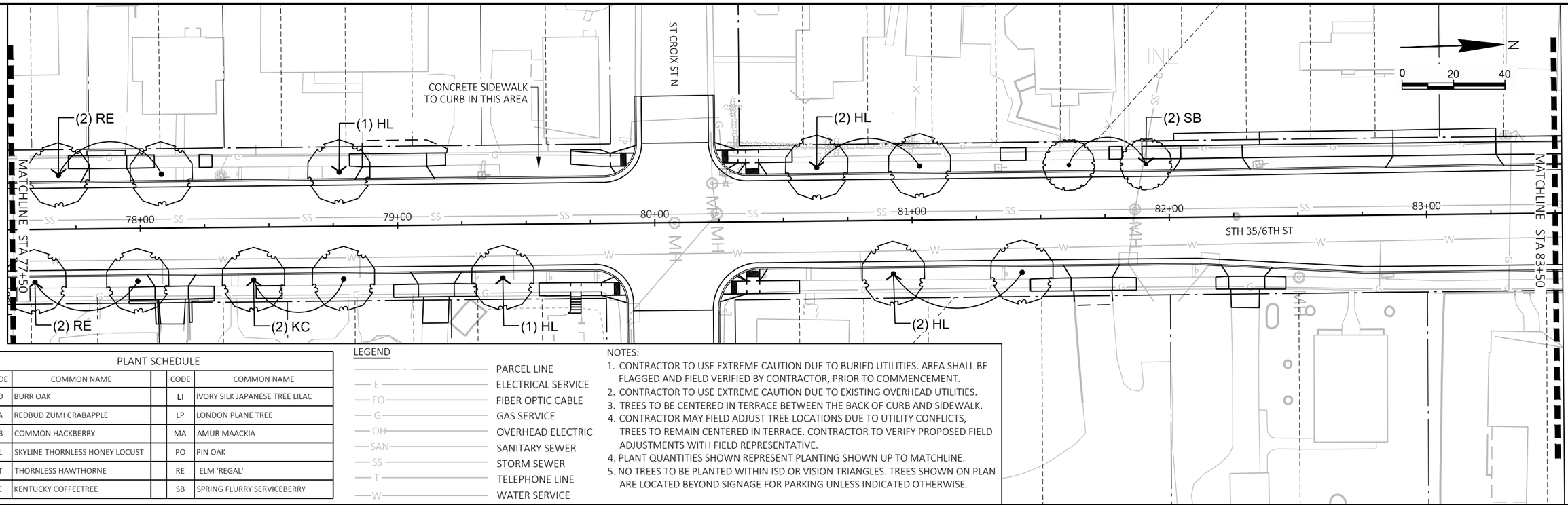
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	LANDSCAPE PLAN: STA 65+50 TO 77+50	SHEET 152	E



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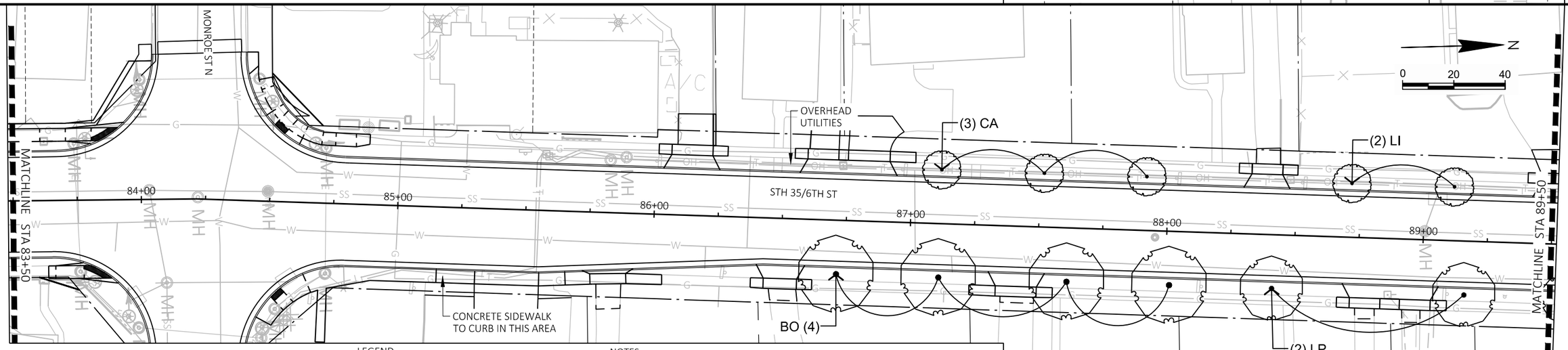

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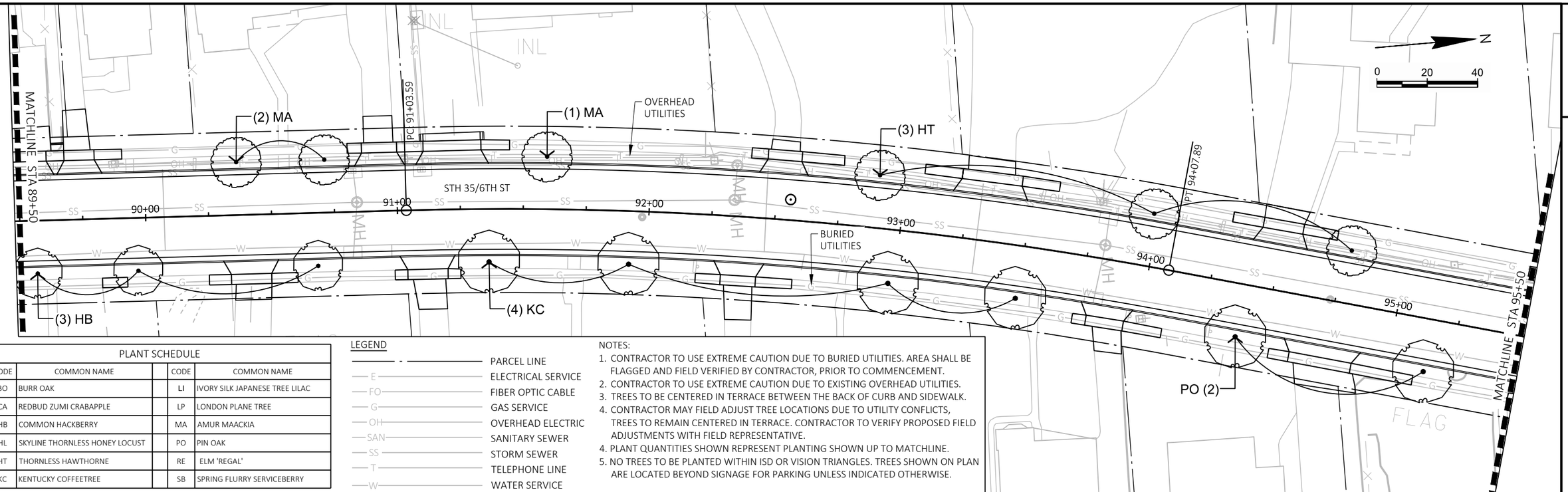

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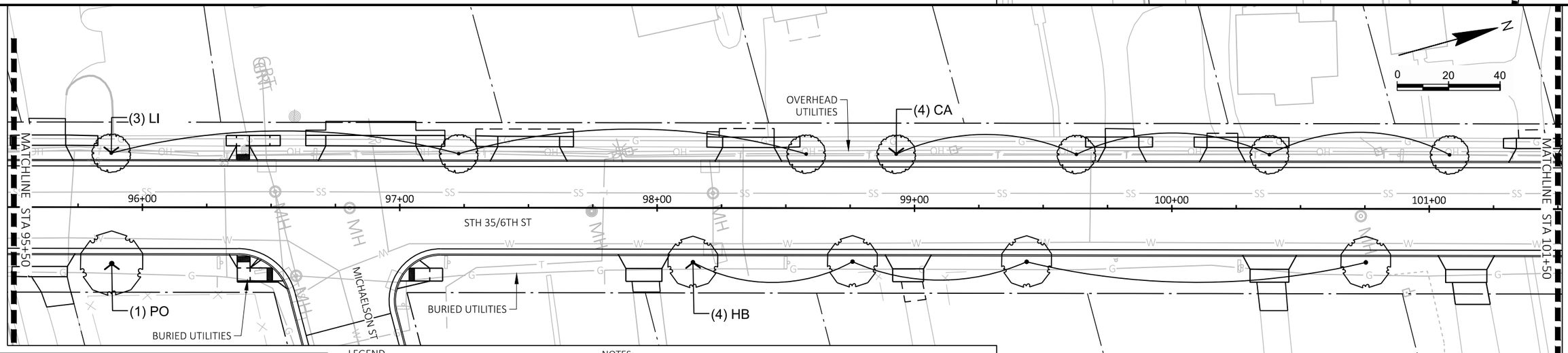

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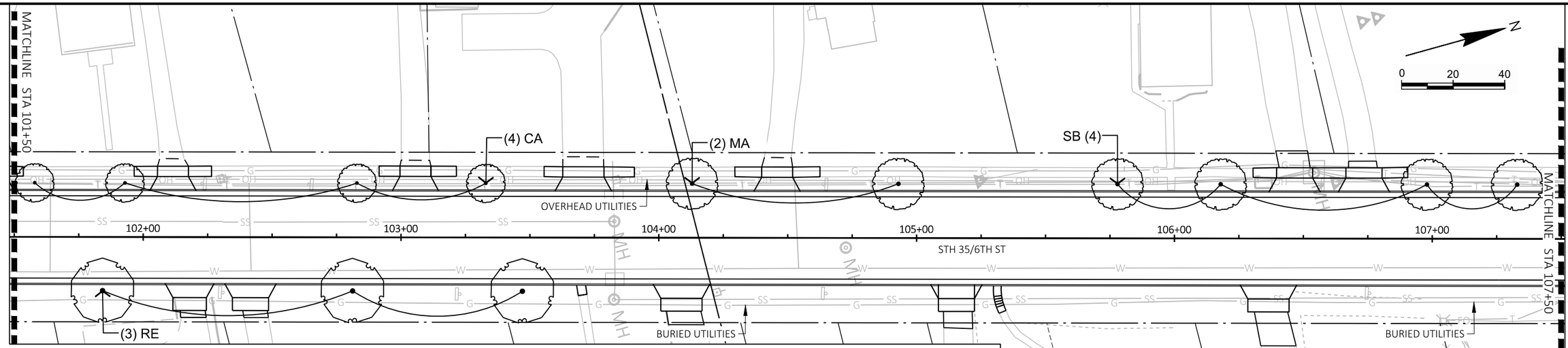
5. NO TREES TO BE PLANTED WITHIN ISD OR VISION TRIANGLES. TREES SHOWN ON PLAN ARE LOCATED BEYOND SIGNAGE FOR PARKING UNLESS INDICATED OTHERWISE.

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	LANDSCAPE PLAN: STA 89+50 TO 101+50	SHEET 154	E

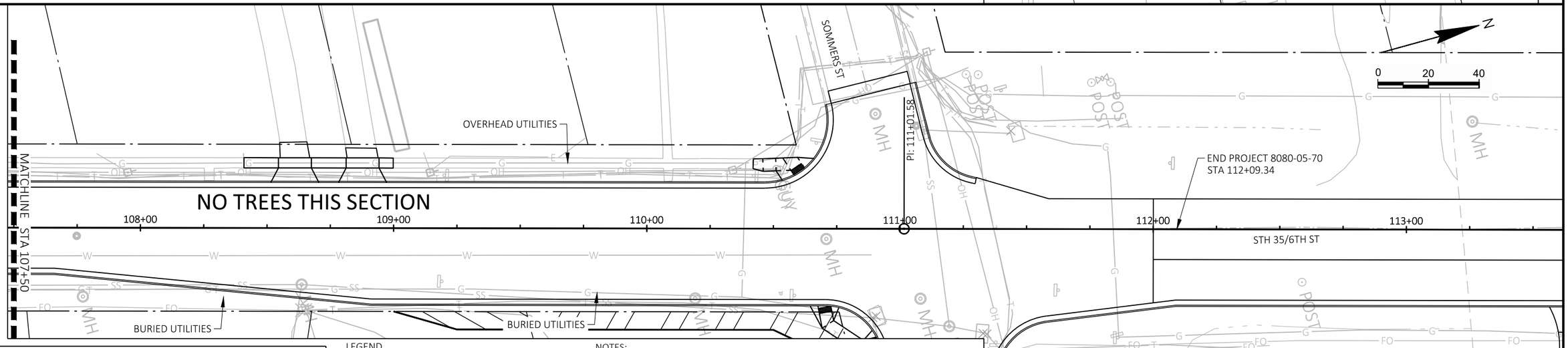


PLANT SCHEDULE				
CODE	COMMON NAME		CODE	COMMON NAME
BO	BURR OAK		LI	IVORY SILK JAPANESE TREE LILAC
CA	REDBUD ZUMI CRABAPPLE		LP	LONDON PLANE TREE
HB	COMMON HACKBERRY		MA	AMUR MAACKIA
HL	SKYLINE THORNLESS HONEY LOCUST		PO	PIN OAK
HT	THORNLESS HAWTHORNE		RE	ELM 'REGAL'
KC	KENTUCKY COFFEETREE		SB	SPRING FLURRY SERVICEBERRY

LEGEND

- PARCEL LINE
- E — ELECTRICAL SERVICE
- FO — FIBER OPTIC CABLE
- G — GAS SERVICE
- OH — OVERHEAD ELECTRIC
- SAN — SANITARY SEWER
- SS — STORM SEWER
- T — TELEPHONE LINE
- W — WATER SERVICE

NOTES:
1. CONTRACTOR TO USE EXTREME CAUTION DUE TO BURIED UTILITIES. AREA SHALL BE FLAGGED AND FIELD VERIFIED BY CONTRACTOR, PRIOR TO COMMENCEMENT.
2. CONTRACTOR TO USE EXTREME CAUTION DUE TO EXISTING OVERHEAD UTILITIES.
3. TREES TO BE CENTERED IN TERRACE BETWEEN THE BACK OF CURB AND SIDEWALK.
4. CONTRACTOR MAY FIELD ADJUST TREE LOCATIONS DUE TO UTILITY CONFLICTS, TREES TO REMAIN CENTERED IN TERRACE. CONTRACTOR TO VERIFY PROPOSED FIELD ADJUSTMENTS WITH FIELD REPRESENTATIVE.
4. PLANT QUANTITIES SHOWN REPRESENT PLANTING SHOWN UP TO MATCHLINE.
5. NO TREES TO BE PLANTED WITHIN ISD OR VISION TRIANGLES. TREES SHOWN ON PLAN ARE LOCATED BEYOND SIGNAGE FOR PARKING UNLESS INDICATED OTHERWISE.



PLANT SCHEDULE				
CODE	COMMON NAME		CODE	COMMON NAME
BO	BURR OAK		LI	IVORY SILK JAPANESE TREE LILAC
CA	REDBUD ZUMI CRABAPPLE		LP	LONDON PLANE TREE
HB	COMMON HACKBERRY		MA	AMUR MAACKIA
HL	SKYLINE THORNLESS HONEY LOCUST		PO	PIN OAK
HT	THORNLESS HAWTHORNE		RE	ELM 'REGAL'
KC	KENTUCKY COFFEETREE		SB	SPRING FLURRY SERVICEBERRY

LEGEND

- PARCEL LINE
- E — ELECTRICAL SERVICE
- FO — FIBER OPTIC CABLE
- G — GAS SERVICE
- OH — OVERHEAD ELECTRIC
- SAN — SANITARY SEWER
- SS — STORM SEWER
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NOTES:
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3. TREES TO BE CENTERED IN TERRACE BETWEEN THE BACK OF CURB AND SIDEWALK.
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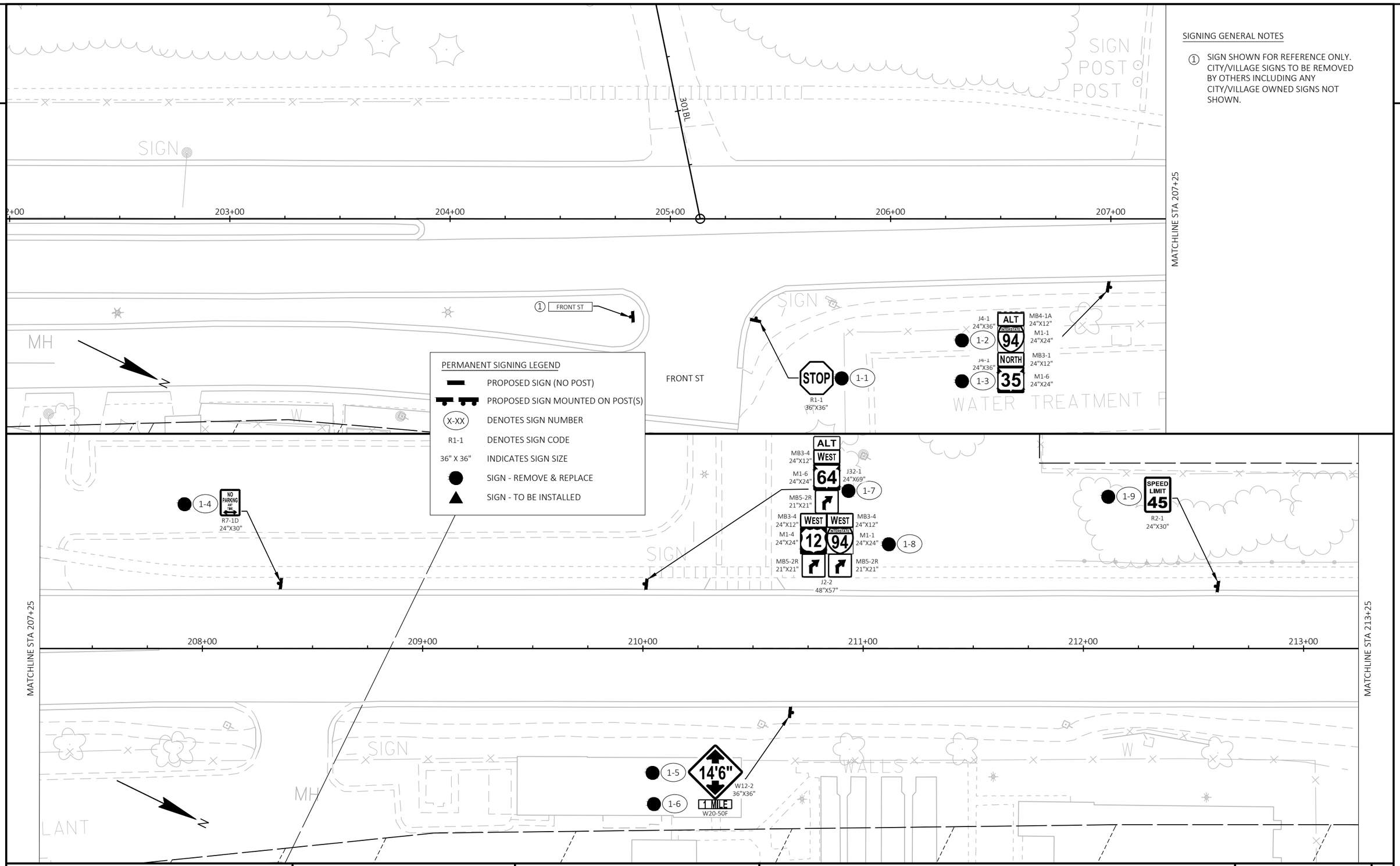
4. PLANT QUANTITIES SHOWN REPRESENT PLANTING SHOWN UP TO MATCHLINE.
5. NO TREES TO BE PLANTED WITHIN ISD OR VISION TRIANGLES. TREES SHOWN ON PLAN ARE LOCATED BEYOND SIGNAGE FOR PARKING UNLESS INDICATED OTHERWISE.

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	LANDSCAPE PLAN: STA 101+50 TO 111+00	SHEET 155	E

2

SIGNING GENERAL NOTES

① SIGN SHOWN FOR REFERENCE ONLY. CITY/VILLAGE SIGNS TO BE REMOVED BY OTHERS INCLUDING ANY CITY/VILLAGE OWNED SIGNS NOT SHOWN.



PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PERMANENT SIGNING	SHEET 156	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023201_ps
PLOT DATE : 7/30/2020 9:43 AM
PLOT BY : BEN NESJA
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

2

MATCHLINE STA 213+25

214+00

215+00

216+00

217+00

218+00

219+00

MATCHLINE STA 219+25

RIPRAP

SIGN

SIGN

MH

FLAG

SIG

2-1 NO PARKING ANY TIME R7-1D 24"X30"

MB3-2 24"X12" EAST M1-1 24"X24" MB6-1 21"X21" | EAST 94 WISCONSIN | 12 | SOUTH 35 | MB3-2 24"X12" MB3-3 24"X12" M1-4 24"X24" M1-6 24"X24" MB6-1 21"X21" MB6-1 21"X21"

2-2 J2-3 72"X57"

2-3 SPEED LIMIT 25 W13-5

2-4 ONLY ONLY ONLY R3-8W 54"X30"

PERMANENT SIGNING LEGEND

- PROPOSED SIGN (NO POST)
- PROPOSED SIGN MOUNTED ON POST(S)
- (X-XX) DENOTES SIGN NUMBER
- R1-1 DENOTES SIGN CODE
- 36" X 36" INDICATES SIGN SIZE
- SIGN - REMOVE & REPLACE
- SIGN - TO BE INSTALLED

2-5 MB2-1 21"X15" JCT 12 | JCT 94 WISCONSIN MB2-1 21"X15" M1-4 24"X24" M1-1 24"X24" J1-2 48"X39"

2-6 R3-2 30"X30"

2-10 SPEED LIMIT 45 R2-1 24"X30"

① THIS SIDE OF STREET

2-13 MB4-1A 24"X12" MB3-2 24"X12" M1-1 24"X24" | ALT EAST 94 WISCONSIN | J3-1 24"X57"

MB6-1 21"X21"

2-14 MB4-1A 24"X12" MB3-4 24"X12" M1-1 24"X24" | ALT WEST 94 WISCONSIN | J3-1 24"X57" MB6-1 21"X21"

2-16 ONLY R3-5L 42"X48"

2-17 ONLY R3-5A 42"X48"

2-18 ONLY R3-5R 42"X48"

SIGNS MOUNTED ON TRAFFIC SIGNAL: BUCKEYE ST / SECOND ST

2-19 STOP R1-1F 30"X30"

312+00BU

BUCKEYE ST

MATCHLINE STA 219+25

220+00

221+00

222+00

223+00

224+00

225+00

MATCHLINE STA 225+25

STH 35/2ND ST

SIGN

SIGN

MH

2-7 R1-1 STOP 30"X30"

2-8 ONLY R3-5OR 30"X36"

2-9 W3-3 36"X36"

2-11 R2-1 SPEED LIMIT 25 30"X36" | NO PARKING EMPTY SCAT OR WATERCRAFT TRAILERS ON PUBLIC STREETS OR CITY OWNED LOTS ①

TRUCKS OVER 4 TONS MUST USE TRUCK ROUTE ①

2-12 TRUCK ROUTE R14-1 24"X18"

① ANYTIME

REMOVE

REMOVE

SIGN MOUNTED ON TRAFFIC SIGNAL: COULEE RD / SECOND ST

2-15 STOP R1-1F 30"X30"

SIGN MOUNTED ON TRAFFIC SIGNAL

2-20 STOP R1-1F 30"X30"

COULEE RD

310+00LE

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PERMANENT SIGNING	SHEET 157	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023202_ps

PLOT DATE : 9/14/2020 4:46 PM PLOT BY : BRAD BECKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

MATCHLINE STA 225+25

SIGN MOUNTED ON TRAFFIC SIGNAL

3-2 STOP R1-1F 30"X30"

STOP REMOVE

3-3 ONLY R3-5L 42"X48"

3-4 ONLY R3-5A 42"X48"

3-5 R3-6R 42"X48"

REMOVE

3-6 W3-3 36"X36"

SIGN MOUNTED ON LIGHT POLE

SPEED LIMIT 25 R2-1 24"X30"

3-7

226+00 227+00 228+00 229+00 230+00 231+00

STH 35/2ND ST

MATCHLINE STA 231+25

SIGNS MOUNTED ON TRAFFIC SIGNAL

LEFT TURN YIELD ON GREEN

REMOVE

THIS SIDE OF STREET ①

R3-2 24"X24" ①

SIGN MOUNTED ON TRAFFIC SIGNAL

3-1 M3-1 24"X12" NORTH M1-6 24"X24" 35 I4-1 24"X36"

PERMANENT SIGNING LEGEND

- PROPOSED SIGN (NO POST)
- PROPOSED SIGN MOUNTED ON POST(S)
- X-XX DENOTES SIGN NUMBER
- R1-1 DENOTES SIGN CODE
- 36" X 36" INDICATES SIGN SIZE
- SIGN - REMOVE & REPLACE
- SIGN - TO BE INSTALLED

N

WISCONSIN ST SECOND ST ①

3-9 STOP R1-1 30"X30"

SIGN MOUNTED ON LIGHT POLE ① 2:30 AM TO 4:30 AM

3-10 STATE PARK VEHICLE R1-6 12"X36"

15 MINUTE PARKING MON - FRI 8AM - 5PM ①

STATE PARK VEHICLE ① R7-8A 12"X18"

SECOND ST COMMERCIAL ST ①

SIGN MOUNTED ON LIGHT POLE ① 2:30 AM TO 4:30 AM

3-11 STOP R1-1 30"X30"

3-13 WHITE WAY R1-6 12"X36"

SIGN MOUNTED ON LIGHT POLE ① 2:30 AM TO 4:30 AM

332+00W

342+00CM

343+00CM

WISCONSIN ST

COMMERCIAL ST

MATCHLINE STA 231+50

232+00 233+00 234+00 235+00 236+00 237+00

STH 35/2ND ST

MATCHLINE STA 237+25

SIGNS MOUNTED ON LIGHT POLE

3-8 SPEED LIMIT 25 R2-1 24"X30" ① 2:30 AM TO 4:30 AM

SIGN MOUNTED ON LIGHT POLE ① 2:30 AM TO 4:30 AM

SIGN MOUNTED ON LIGHT POLE ① 2:30 AM TO 4:30 AM

3-12 STOP R1-1 30"X30"

N

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PERMANENT SIGNING	SHEET 158	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023203_ps

PLOT DATE : 7/30/2020 9:44 AM PLOT BY : BEN NESJA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

MATCHLINE STA 237+25

238+00

239+00

240+00

241+00

242+00

18+00

MATCHLINE STA 18+25

352+00WA

353+00WA

362+00LO

363+00LO

WALNUT ST

LOCUST ST

SIGNS MOUNTED ON TRAFFIC SIGNAL
WALNUT ST
SECOND ST
STOP
R1-1F 30"X30"
4-2

10 MINUTE PARKING PHSE TWO SPACES

SIGNS MOUNTED ON TRAFFIC SIGNAL
STOP
R1-1F 30"X30"
4-3

R10-11B SIZE
NO RIGHT TURN ON RED
4-4

SIGNS MOUNTED ON LIGHT POLE
2:30 AM TO 4:30 AM

SIGN MOUNTED ON TRAFFIC SIGNAL
STOP
R1-1F 30"X30"
4-8

15 MINUTE LOADING ZONE

SIGNS MOUNTED ON LIGHT POLE
R3-4 24"X24"
2:30 AM TO 4:30 AM

4-9
STOP
R1-1 30"X30"

15 MINUTE PARKING

SIGN MOUNTED ON TRAFFIC SIGNAL
STOP
R1-1F 30"X30"
4-1

SIGN MOUNTED ON TRAFFIC SIGNAL
STOP
R1-1F 30"X30"
4-7

SIGNS MOUNTED ON LIGHT POLE
2:30 AM TO 4:30 AM

R7-8A 12"X18"
FINES DOUBLED IN WORK ZONES

LOCUST ST
SECOND ST
4-10
STOP
R1-1 30"X30"

NO RIGHT TURN ON RED
4-5

SIGN MOUNTED ON TRAFFIC SIGNAL
STOP
R1-1F 30"X30"
4-6

N

PERMANENT SIGNING LEGEND

- PROPOSED SIGN (NO POST)
- PROPOSED SIGN MOUNTED ON POST(S)
- X-XX — DENOTES SIGN NUMBER
- R1-1 — DENOTES SIGN CODE
- 36" X 36" — INDICATES SIGN SIZE
- SIGN - REMOVE & REPLACE
- SIGN - TO BE INSTALLED

MATCHLINE STA 18+25

19+00

20+00

21+00

22+00

23+00

24+00

MATCHLINE STA 24+25

372+00VI

373+00VI

VINE ST

SIGN MOUNTED ON TRAFFIC SIGNAL
STOP
R1-1F 30"X30"
4-13

SIGNS MOUNTED ON TRAFFIC SIGNAL
VINE ST
SECOND ST
STOP
R1-1F 30"X30"
4-14

SIGNS MOUNTED ON LIGHT POLE
2:30 AM TO 4:30 AM

R7-8A 12"X18"
FINES DOUBLED IN WORK ZONES

SIGN MOUNTED ON TRAFFIC SIGNAL

HERE BACK TO CONDUCE

P PUBLIC PARKING

STATE LAW STOP FOR PEDESTRIAN IN CROSSWALK
4-11
R1-6 12"X36"

15 MINUTE LOADING ZONE

SIGNS MOUNTED ON LIGHT POLE
2:30 AM TO 4:30 AM

SKATEBOARDS NOT ALLOWED ON STREETS, ETC.

SIGNS MOUNTED ON LIGHT POLE
R3-4 24"X24"
2:30 AM TO 4:30 AM

15 MINUTE PARKING MON - FRI 8AM - 5PM

SIGNS MOUNTED ON TRAFFIC SIGNAL
LIBRARY
TWO-SIDED
STOP
R1-1F 30"X30"
4-12

ST. PAUL'S EPISCOPAL CHURCH
TWO-SIDED
H
D9-2 24"X24"

UNITED METHODIST CHURCH
TWO-SIDED

PRESBYTERIAN CHURCH (U.S.A.)
TWO-SIDED

HERE BACK TO CONDUCE

SPEED LIMIT 25
R2-1 24"X30"
4-15

N

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PERMANENT SIGNING	SHEET 159	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023204_ps

PLOT DATE : 7/30/2020 9:44 AM

PLOT BY : BEN NESJA

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

2

MATCHLINE STA 24+25

MATCHLINE STA 30+25

25+00 26+00 27+00 28+00 29+00 30+00

D9-2 24"X24"

H

15 MINUTE PARKING FROM HERE BACK TO CORNER

W11-2 30"X30" S16-7L 24"X12"

5-3

5-4

R1-6 12"X36"

ELM ST

STOP R1-1 30"X30"

5-5

5-7

SPEED LIMIT 25 R2-1 24"X30"

J4-1 24"X36"

MB4-1A 24"X12"

ALT

INTERSTATE 94

M1-1 24"X24"

5-8

MB4-1A 24"X12"

M1-6 24"X24"

ALT

64

5-9

J4-1 24"X36"

STOP R1-1 30"X30"

5-10

ORANGE ST

W11-2 30"X30"

5-14

R1-6 12"X36"

5-12

ELM ST

SECOND ST

1

SECOND ST

ORANGE ST

1

BETH IMMANUEL

TWO-SIDED

STOP R1-1 30"X30"

5-11

W11-2 30"X30"

5-13

5-1

ALT

INTERSTATE 94

MB4-1A 24"X12"

M1-1 24"X24"

J4-1 24"X36"

W11-2 30"X30" S16-7L 24"X12"

5-2

5-6

STOP R1-1 30"X30"

N

PERMANENT SIGNING LEGEND

▬	PROPOSED SIGN (NO POST)
▬●	PROPOSED SIGN MOUNTED ON POST(S)
X-XX	DENOTES SIGN NUMBER
R1-1	DENOTES SIGN CODE
36" X 36"	INDICATES SIGN SIZE
●	SIGN - REMOVE & REPLACE
▲	SIGN - TO BE INSTALLED

MATCHLINE STA 30+25

MATCHLINE STA 36+25

31+00 32+00 33+00 34+00 35+00 36+00

STOP R1-1 30"X30"

5-16

MYRTLE ST

W11-2 30"X30" S16-7L 24"X12"

5-19

HOW TO USE CROSSWALK FLAGS

1

R1-6 12"X36"

5-18

NORTH

35

M3-1 24"X12"

M1-6 24"X24"

J4-1 24"X36"

5-15

MYRTLE ST

SECOND ST

1

TWO-SIDED

OCTAGON HOUSE MUSEUM & GIFT SHOP

1

TWO-SIDED

BETHEL LUTHERAN CHURCH

1

STOP R1-1 30"X30"

5-17

5-20

W11-2 30"X30" S16-7L 24"X12"

HOW TO USE CROSSWALK FLAGS

1

AHEAD

S1-1 36"X36"

S16-9P 24"X12"

5-21

N

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PERMANENT SIGNING	SHEET 160	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023205_ps

PLOT DATE : 7/30/2020 9:45 AM PLOT BY : BEN NESJA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

MATCHLINE STA 36+25

MATCHLINE STA 42+25

MATCHLINE STA 42+25

MATCHLINE STA 48+25

37+00 38+00 39+00 40+00 41+00 42+00

43+00 44+00 45+00 46+00 47+00 48+00

RESIDENT PARKING ONLY
VISITORS MUST PARK ON STREET ONLY
1
6-1

6-2
END SCHOOL ZONE
S5-2
24"X30"

SCHOOL SPEED LIMIT 15 WHEN CHILDREN ARE PRESENT
S4-51
24"X48"

SIGN

REMOVE

PERMANENT SIGNING LEGEND

- PROPOSED SIGN (NO POST)
- PROPOSED SIGN MOUNTED ON POST(S)
- (X-XX) DENOTES SIGN NUMBER
- R1-1 DENOTES SIGN CODE
- 36" X 36" INDICATES SIGN SIZE
- SIGN - REMOVE & REPLACE
- SIGN - TO BE INSTALLED

6-3
MB3-3
24"X12"
M1-6
24"X24"
SOUTH
35
J4-1
24"X36"

1
R7-1R
18"X24"

SIGNS MOUNTED ON TRAFFIC SIGNAL
S1-1
36"X36"
S16-7R
24"X12"
6-5

SIGNS MOUNTED ON TRAFFIC SIGNAL
S1-1
36"X36"
S16-7L
24"X12"
6-8

STOP
R1-1
30"X30"
6-9

ST CROIX ST

SECOND ST
ST CROIX ST
1
TRINITY LUTHERAN

1
R4-7
24"X30"
6-4

SIGNS MOUNTED ON TRAFFIC SIGNAL
S1-1
36"X36"
S16-7L
24"X12"
6-6

SIGNS MOUNTED ON TRAFFIC SIGNAL
S1-1
36"X36"
S16-7R
24"X12"
6-7

STOP
R1-1
30"X30"
6-10

N

R4-7
24"X30"
6-11

1

REMOVE

SCHOOL SPEED LIMIT 15 WHEN CHILDREN ARE PRESENT
S4-51
24"X48"
6-14

STOP
R1-1
30"X30"
6-17

RIVER ST

D11-1
24"X18"
BIKE ROUTE
M6-1
21"X21"

R3-17
30"X24"
BIKE LANE
ENDS
R3-17BP
30"X12"
6-19

AHEAD
S1-1
36"X36"
S16-9P
24"X12"
6-20

NORTH
35
MB3-1
24"X12"
M1-6
24"X24"
J4-1
24"X36"
6-12

1

SPEED LIMIT 25
R2-1
24"X30"
6-13

END SCHOOL ZONE
S5-2
24"X30"
6-15

BIKE LANE AHEAD
R3-17
30"X24"
R3-17AP
30"X12"
6-16

RIVER ST
SECOND ST
1
STOP
R1-1
30"X30"
6-18

N

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PERMANENT SIGNING	SHEET 161	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023206_ps

PLOT DATE : 7/30/2020 9:45 AM PLOT BY : BEN NESJA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

MATCHLINE STA 48+25

49+00 50+00 51+00 52+00 53+00 54+00

MATCHLINE STA 54+25

MATCHLINE STA 54+25

55+00 56+00 57+00 58+00 59+00 60+00

MATCHLINE STA 60+25

2

DIVISION ST

MH

7-1 W12-2 36"X36" 14'6"

7-2 R8-3 18"X24"

7-3 R8-3 18"X24"

7-4 R3-17 30"X24" BIKE LANE

7-5 R2-1 24"X30" SPEED LIMIT 25 NO ENGINE BRAKING

7-6 R2-1 24"X30" SPEED LIMIT 25

7-7 R1-1 30"X30" STOP

7-8 R1-1 30"X30" STOP

SECOND ST
DIVISION ST
①

7-9 R3-17 30"X24" BIKE LANE

7-10 R8-3 18"X24"

7-11 R8-3 18"X24"

① W14-1 30"X30" DEAD END
SLOW
CHILDREN AT PLAY

M1-85 24"X24" ①
HISTORIC MARKER

7-12 R8-3 18"X24"

7-13 R8-3 18"X24"

7-14 W12-2 36"X36" 14'6"

7-15 W12-2 36"X36" 14'6"

7-16 R8-3 18"X24"

7-17 R8-3 18"X24"

7-18 R8-3 18"X24"

7-19 R8-3 18"X24"

PERMANENT SIGNING LEGEND

▬	PROPOSED SIGN (NO POST)
▬ ▬	PROPOSED SIGN MOUNTED ON POST(S)
X-XX	DENOTES SIGN NUMBER
R1-1	DENOTES SIGN CODE
36" X 36"	INDICATES SIGN SIZE
●	SIGN - REMOVE & REPLACE
▲	SIGN - TO BE INSTALLED

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PERMANENT SIGNING	SHEET 162	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023207_ps

PLOT DATE : 7/30/2020 9:45 AM PLOT BY : BEN NESJA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

WELCOME HUDSON IS A CRIME WATCH COMMUNITY ①

HUDSON PARKING ORDINANCE ①

STOP R1-1 30"X30" 8-2

NORTH ST

SECOND ST / DIVISION ST ①

R3-17 30"X24" BIKE LANE AHEAD
R3-17AP 30"X12" 8-3

14'6" 8-4
W12-2 36"X36"
CLEARANCE AT CENTER 14'6" W12-2A 42"X18" 8-5

HUDSON POPULATION 12,719
I2-3 60"X24" 8-7

MATCHLINE STA 60+25

61+00 62+00 63+00 64+00 65+00 66+00

MH

8-1
R3-17 30"X24" BIKE LANE ENDS
R3-17BP 30"X12"

N

WASTE OIL RECYCLING CENTER ①
TWO-SIDED

SPEED LIMIT 25 8-6
R2-1 24"X30"

PERMANENT SIGNING LEGEND

	PROPOSED SIGN (NO POST)
	PROPOSED SIGN MOUNTED ON POST(S)
X-XX	DENOTES SIGN NUMBER
R1-1	DENOTES SIGN CODE
36" X 36"	INDICATES SIGN SIZE
●	SIGN - REMOVE & REPLACE
▲	SIGN - TO BE INSTALLED

MATCHLINE STA 66+25

2

J4-1 24"X36" ALT INTERSTATE 94 MB4-1A 24"X12" M1-1 24"X24" 8-10

ALT 64 MB4-1A 24"X12" M1-6 24"X24" 8-11
J4-1 24"X36"

NO PARKING ANY TIME 8-13
R7-1D 18"X24"

8-17 SPEED LIMIT 25
R2-1 24"X30"

MATCHLINE STA 72+25

67+00 68+00 69+00 70+00 71+00 72+00

N

8-8 NO ENGINE BRAKING EXCEPT IN EMERGENCY MOTOR CITY LIMIT
R10-64 30"X36"

8-9 NORTH HUDSON POPULATION 3,768
I2-3 90"X24"

SOUTH ST N
SIXTH ST N ①

SOUTH ST

8-12 STOP R1-1 30"X30"

NO PARKING ANY TIME 8-14
R7-1L 24"X30"

SPEED LIMIT 25 8-15
R2-1 24"X30"

MB4-1A 24"X12" M1-1 24"X24" ALT INTERSTATE 94 8-16
J4-1 24"X36"

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PERMANENT SIGNING	SHEET 163	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023208_ps

PLOT DATE : 7/30/2020 9:46 AM PLOT BY : BEN NESJA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

MATCHLINE STA 72+25

MATCHLINE STA 78+25

MATCHLINE STA 78+25

MATCHLINE STA 84+25

WISCONSIN ST

ST CROIX ST N

MONROE ST N

73+00 74+00 75+00 76+00 77+00 78+00

79+00 80+00 81+00 82+00 83+00 84+00

MH

9-1 NO PARKING ANY TIME R7-1D 24"X30"

9-2 STOP R1-1 30"X30"

9-3 STOP R1-1 30"X30"

9-4 NO PARKING ANY TIME R7-1D 24"X30"

9-5 NO PARKING ANY TIME R7-1D 18"X24"

9-6 NO PARKING ANY TIME R7-1D 24"X30"

9-7 NO PARKING ANY TIME R7-1D 18"X24"

WISCONSIN ST N
SIXTH ST N
①

N

PERMANENT SIGNING LEGEND

	PROPOSED SIGN (NO POST)
	PROPOSED SIGN MOUNTED ON POST(S)
X-XX	DENOTES SIGN NUMBER
R1-1	DENOTES SIGN CODE
36" X 36"	INDICATES SIGN SIZE
●	SIGN - REMOVE & REPLACE
▲	SIGN - TO BE INSTALLED

9-8 SOUTH 35 MB3-3 24"X12" M1-6 24"X24" J4-1 24"X36"

9-9 NO PARKING ANY TIME R7-1D 18"X24"

9-10 NO PARKING ANY TIME R7-1D 24"X30"

9-11 STOP R1-1 30"X30"

9-12 STOP R1-1 30"X30"

9-13 SPEED LIMIT 25 R2-1 24"X30"

9-14 END SCHOOL ZONE S5-2 24"X30"

9-15 W24-3

9-16 S1-1 36"X36"

9-17 AHEAD S16-9P 24"X12"

9-18 FINES HIGHER R2-6P 24"X18"

9-19 ONLY

9-20 NO PARKING ANY TIME R7-1D 24"X30"

9-21 R3-8LF 36"X30"

9-22 SIGNS MOUNTED ON OVERHEAD POLE
ONLY R3-5L 42"X48"
R3-6R 42"X48"

9-23 NO PARKING ANY TIME R7-1D 24"X30"

9-24 SIGN MOUNTED ON TRAFFIC SIGNAL NO PARKING ANY TIME R7-1D 18"X24"

9-25 SIGN MOUNTED ON TRAFFIC SIGNAL STOP R1-1F 30"X30"

9-26 SIGN MOUNTED ON TRAFFIC SIGNAL STOP R1-1F 36"X36"

SIXTH ST N
ST CROIX ST N
①

VILLAGE HALL POLICE DEPT ONE BLOCK ①

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PERMANENT SIGNING	SHEET 164 E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 023209_ps

PLOT DATE : 10/9/2020 11:35 AM PLOT BY : BRAD BECKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

MATCHLINE STA 84+25

MATCHLINE STA 90+25

SIGN MOUNTED ON TRAFFIC SIGNAL

10-2 NO PARKING ANY TIME R7-1D 18"X24"

SIGN MOUNTED ON TRAFFIC SIGNAL

9-27 STOP R1-1F 36"X36"

SIGNS MOUNTED ON OVERHEAD POLE

10-5 ONLY R3-5L 42"X48"

10-6 R3-6R 42"X48"

10-8 NO PARKING ANY TIME R7-1D 18"X24"

10-9 W03-3

10-10 NO PARKING ANY TIME R7-1D 18"X24"

10-12 10-13 10-14 AHEAD FINES HIGHER S1-1 36"X36" S16-9P 30"X18" R2-6P 24"X18"

MB3-3 24"X12" M1-6 24"X24" SOUTH 35 J4-1 24"X36" 10-16

85+00 86+00 87+00 88+00 89+00 90+00

MH

10-4 SPEED LIMIT 25 R2-1 24"X30"

SIGN MOUNTED ON TRAFFIC SIGNAL

1 MONROE ST N SIXTH ST N

10-3 NO PARKING ANY TIME R7-1D 24"X30"

10-7 NO PARKING ANY TIME R7-1D 24"X30"

SIGN MOUNTED ON TRAFFIC SIGNAL

10-1 STOP R1-1F 30"X30"

N

10-11 NO PARKING ANY TIME R7-1D 24"X30"

10-15 NORTH 35 MB3-1 24"X12" M1-6 24"X24" J4-1 24"X36"

PERMANENT SIGNING LEGEND

- PROPOSED SIGN (NO POST)
- PROPOSED SIGN MOUNTED ON POST(S)
- X-XX DENOTES SIGN NUMBER
- R1-1 DENOTES SIGN CODE
- 36" X 36" INDICATES SIGN SIZE
- SIGN - REMOVE & REPLACE
- SIGN - TO BE INSTALLED

10-17 NO PARKING ANY TIME R7-1D 18"X24"

10-19 SPEED LIMIT 25 R2-1 24"X30"

10-24 NO PARKING ANY TIME R7-1D 18"X24"

SIGN

FLAG

91+00 92+00 93+00 94+00 95+00 96+00

MH

10-18 NO PARKING ANY TIME R7-1D 24"X30"

N

10-20 10-21 10-22 AHEAD FINES HIGHER S1-1 36"X36" S16-9P 30"X18" R2-6P 24"X18"

10-23 NO PARKING ANY TIME R7-1D 24"X30"

MATCHLINE STA 90+25

MATCHLINE STA 96+25

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PERMANENT SIGNING	SHEET 165	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 0232010_ps
PLOT DATE : 10/9/2020 11:36 AM
PLOT BY : BRAD BECKER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

MATCHLINE STA 96+25

97+00 98+00 99+00 100+00 101+00 102+00

MATCHLINE STA 102+25

SIXTH ST N
MICHAELSON ST N
1

MICHAELSON ST N

11-01 S1-1 36"X36" S16-7L 30"X18"
11-02

11-03 11-04 S1-1 36"X36" S16-7L 24"X12"

11-05 STOP R1-1 30"X30"

11-06 SPEED LIMIT 25 R2-1 24"X30"

11-07 NO PARKING ANY TIME R7-1D 24"X30"

11-08 NO PARKING ANY TIME R7-1D 24"X30"

11-09 11-10 11-11 S1-1 36"X36" AHEAD FINES HIGHER S16-9P 30"X18" R2-6P 24"X18"

11-12 NO PARKING ANY TIME R7-1D 18"X24"

PERMANENT SIGNING LEGEND

▬	PROPOSED SIGN (NO POST)
▬ ▬	PROPOSED SIGN MOUNTED ON POST(S)
X-XX	DENOTES SIGN NUMBER
R1-1	DENOTES SIGN CODE
36" X 36"	INDICATES SIGN SIZE
●	SIGN - REMOVE & REPLACE
▲	SIGN - TO BE INSTALLED

MATCHLINE STA 102+25

103+00 104+00 105+00 106+00 107+00 108+00

MATCHLINE STA 108+25

11-13 NO PARKING ANY TIME R7-1D 18"X24"

11-14 SPEED LIMIT 25 R2-1 24"X30"

11-15 11-16 SPEED LIMIT 25 END SCHOOL ZONE R2-1 24"X30" S5-2 24"X30"

11-17 NO PARKING ANY TIME R7-1D 24"X30"

11-18 NO PARKING ANY TIME R7-1D 18"X24"

11-19 NO PARKING ANY TIME R7-1D 18"X24"

11-20 NO PARKING ANY TIME R7-1D 24"X30"

MH

2

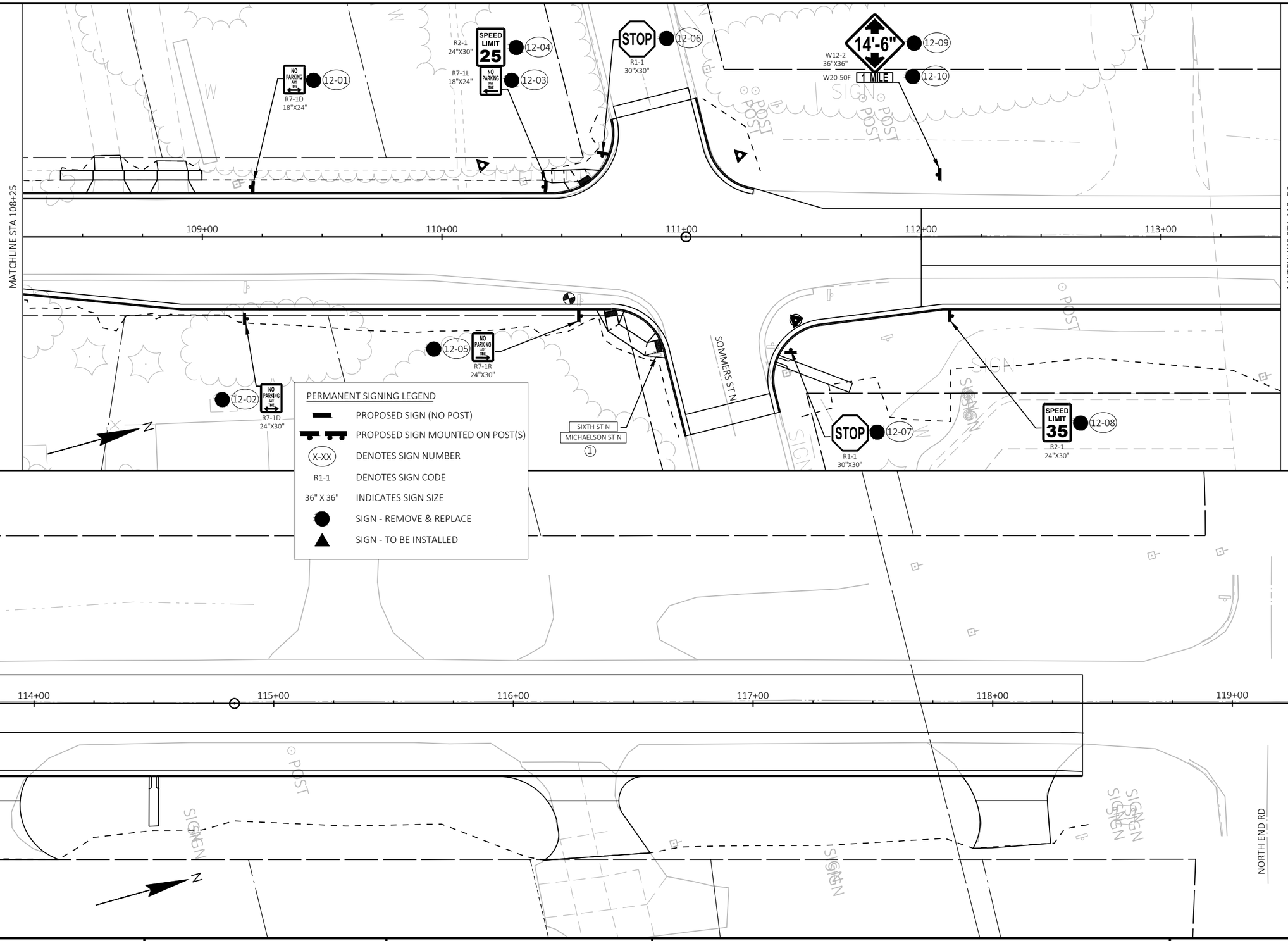
PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PERMANENT SIGNING	SHEET 166	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 0232011_ps

PLOT DATE : 7/30/2020 9:47 AM PLOT BY : BEN NESJA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

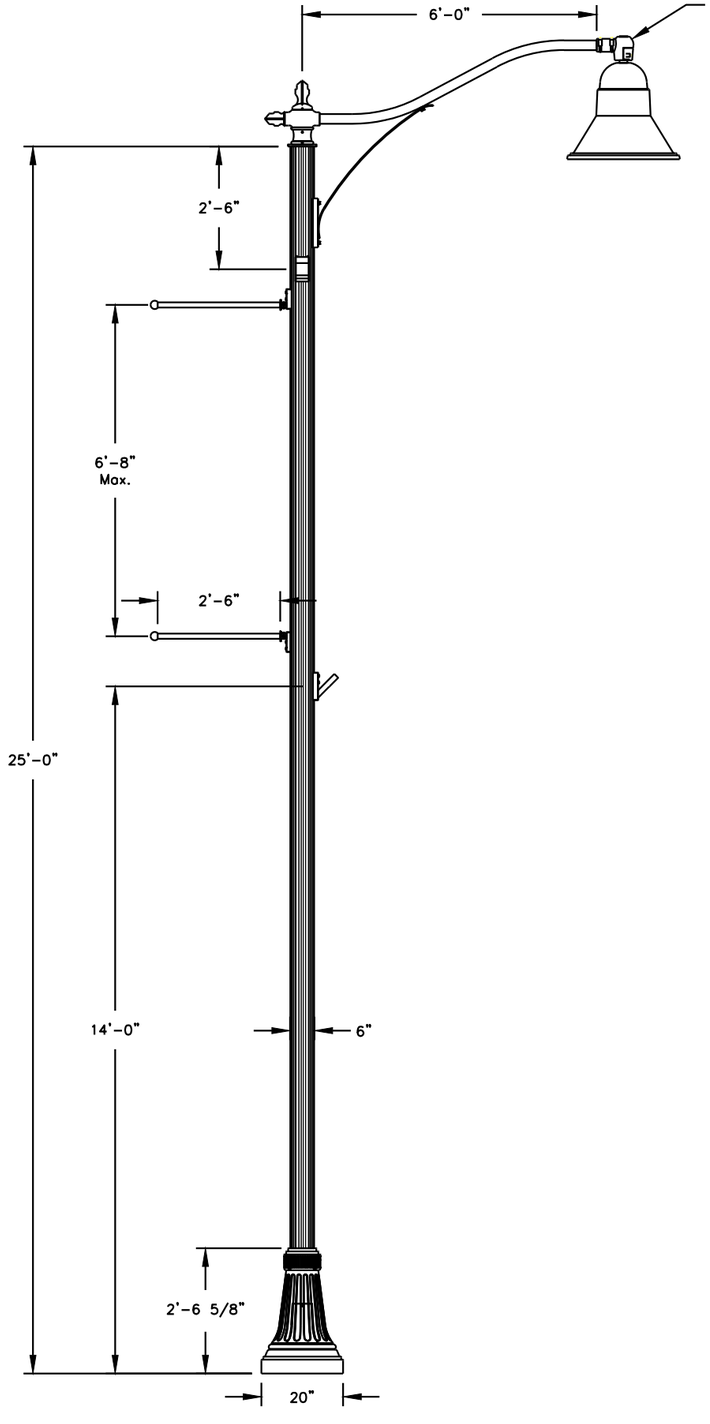
2



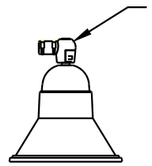
PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PERMANENT SIGNING	SHEET 167	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\023201_PS.DWG
LAYOUT NAME - 0232012_ps

PLOT DATE : 7/30/2020 9:47 AM PLOT BY : BEN NESJA PLOT NAME : PLOT SCALE : 1 IN:40 FT



LIGHTING UNIT TYPE SPECIAL



LUMINAIRE TYPE SPECIAL

EQUIPMENT SCHEDULE – FOR INFORMATION ONLY

SYMBOL	DESCRIPTION	LAMP SOURCE	MOUNTING	OPTICS	MANUFACTURER & SERIES #
	LIGHTING UNIT TYPE SPECIAL PENDANT STYLE LED LUMINAIRE WITH WIRELESS COMMUNICATION NODE, 6' DECORATIVE "S" CURVE ARM, ON SMART TRAC FLUTED ALUMINUM POLE W/ 20A WR-RATED GFCI RECEPTACLE W/ METTALLIC IN-USE COVER, FLAG HOLDER, AND BANNER ARMS.	120 WATT 3000K	25'-0" POLE ON CONCRETE BASE TYPE SPECIAL	TYPE III	CYCLONE CAMPANA- LUMINAIRE: CN55P1A-FGC-3-120W-3K-240V-ADV-BK-TX-7PIN HAPCO SMARTTRAC- POLE: SKTB010819A
	LUMINAIRE TYPE SPECIAL PENDANT STYLE LED LUMINAIRE WITH WIRELESS COMMUNICATION NODE,	120 WATT 3000K	EXISTING SIGNAL POLE	TYPE III	CYCLONE CAMPANA- LUMINAIRE: CN55P1A-FGC-3-120W-3K-240W-ADV-BK-TX-7PIN

2

GENERAL NOTES

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER EXCEPT WHEN EXCAVATING WITHIN 18-INCHES OF UNDERGROUND UTILITIES. WHEN EXCAVATING WITHIN 18-INCHES OF UTILITIES THE BASE SHALL BE DUG BY HAND.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS 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 AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X 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 NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC 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).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL 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.

ANCHOR RODS SHALL BE PROVIDED BY POLE SUPPLIER. TWO GALVANIZED HEX NUTS & WASHERS PER ANCHOR BOLT.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWERED 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 BY THE ENGINEER.

(2) ANCHOR RODS BY POLE SUPPLIER. TWO GALVANIZED HEX NUTS & WASHERS PER ANCHOR BOLT.

(3) (6) NO. 4 X 4'-8" BAR STEEL REINFORCEMENT.

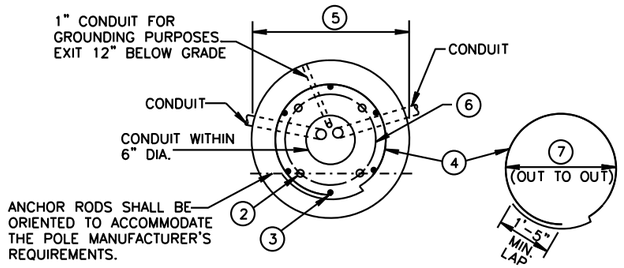
(4) (5) NO. 4 X 6'-2" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

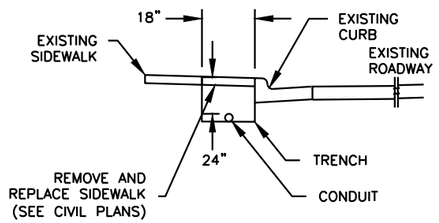
(5) 20".

(6) BOLT CIRCLE PER POLE MANUFACTURER'S REQUIREMENTS.

(7) 1'-2".

BOLT CIRCLE SHALL BE PERFECTLY CENTERED IN CONCRETE BASE. ANY BASE THAT FAILS TO MEET THIS REQUIREMENT SHALL BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

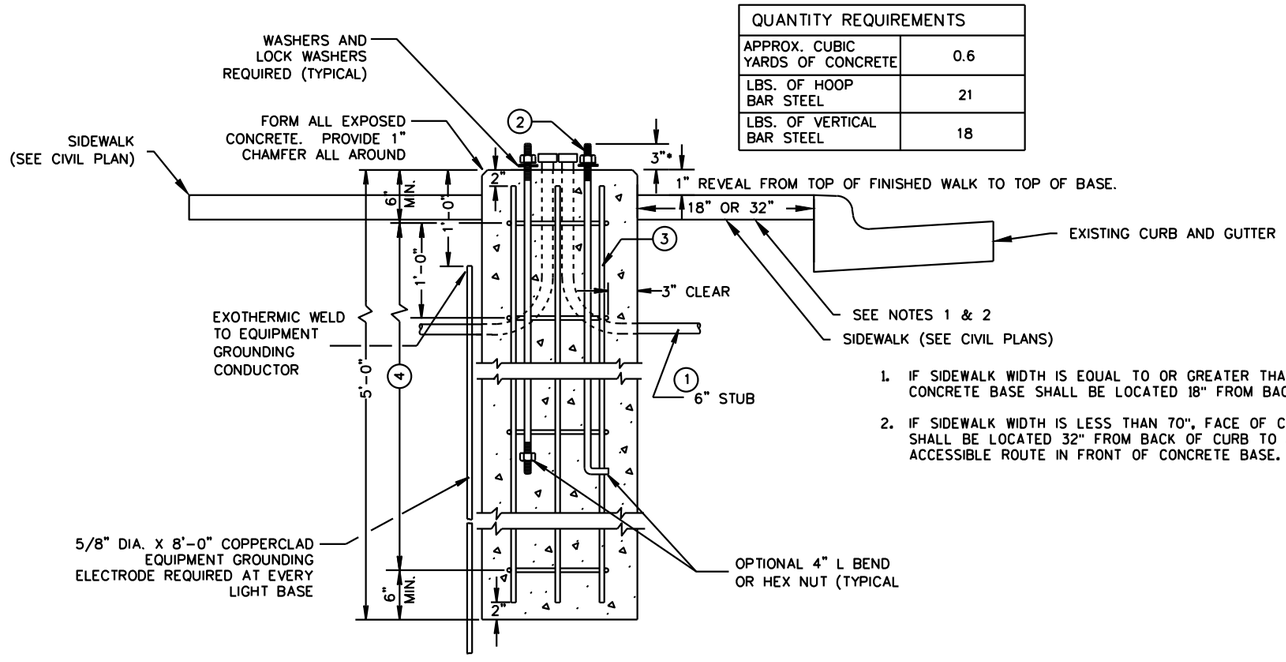




CONDUIT PLACEMENT DETAIL

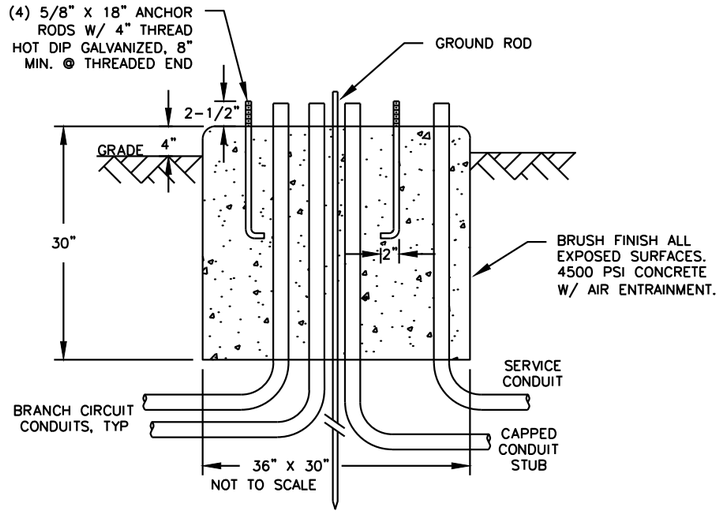
* ANY ANCHOR ROD PROJECTION SHALL BE PER MANUFACTURER'S REQUIREMENTS.

QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	0.6
LBS. OF HOOP BAR STEEL	21
LBS. OF VERTICAL BAR STEEL	18

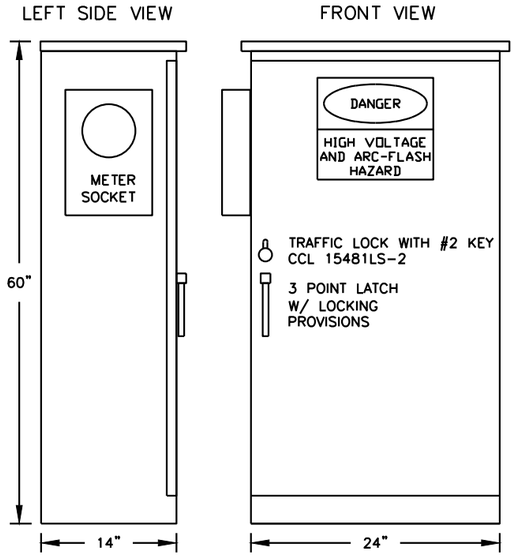


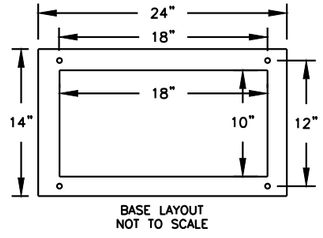
1. IF SIDEWALK WIDTH IS EQUAL TO OR GREATER THAN 70", FACE OF CONCRETE BASE SHALL BE LOCATED 18" FROM BACK OF CURB.
2. IF SIDEWALK WIDTH IS LESS THAN 70", FACE OF CONCRETE BASE SHALL BE LOCATED 32" FROM BACK OF CURB TO ACCOMMODATE ACCESSIBLE ROUTE IN FRONT OF CONCRETE BASE.

CONCRETE BASE TYPE SPECIAL



CONCRETE CONTROL CABINET BASE TYPE SPECIAL





CABINET CONSTRUCTION

-NEMA 3R
-INTERIOR COMPONENTS MOUNTED ON BACK PANEL BEHIND DEAD FRONT
-1/8" ANODIZED ALUMINUM (DURANODIC BLACK)
-NEOPRENE GASKETED DOORS
-STAINLESS STEEL HARDWARE
-ETL LISTED IN ACCORDANCE WITH UL508A

SERVICE CABINET NOTES:

A. PROVIDE METER SOCKET PER UTILITY COMPANY REQUIREMENTS.

B. CIRCUIT BREAKERS SHALL BE 120/240 VOLT AC, 60Hz AND SHALL BE CLEARLY MARKED WITH THE "ON" AND "OFF" POSITIONS AND IDENTIFIED WITH THE LOAD WHICH IT IS CARRYING.

C. SHORT CIRCUIT RATING – 22,000 AIC SYMMETRICAL.

D. 3-POSITION SELECTOR SWITCH ALLEN BRADLEY #800T-J2A.

E. CIRCUIT CONTACTORS SHALL HAVE A 240 VOLT RATING, WITH 120 VOLT COIL.

F. PROVIDE PANEL WITH DIMENSIONS AS REQUIRED TO FIT EQUIPMENT PROPOSED.

G. PROVIDE 50KA SURGE PROTECTOR.

H. PROVIDE A 25-OHM GROUND AT CABINET AS PER NEC.

I. TIME CLOCK SHALL BE NEMA 3R WITH A CAPACITOR BACK-UP, AUTOMATIC DAYLIGHT SAVINGS TIME, AND LEAP YEAR ADJUSTMENTS. TORK, MODEL E101B.

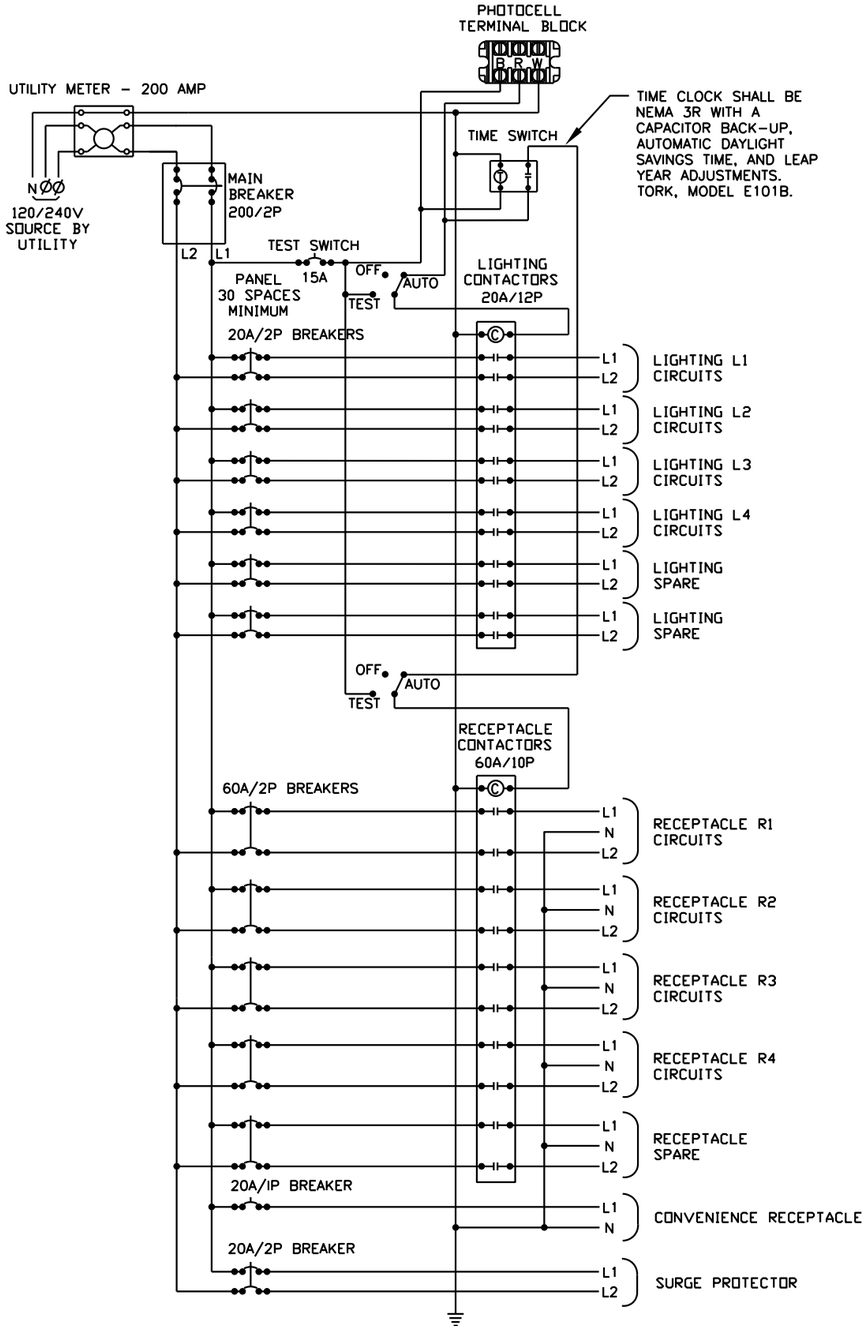
J. PROVIDE 20A WR-RATED GFCI RECEPTACLE MOUNTED TO CABINET DEAD-FRONT.

K. BOTH PHOTOCONTROL AND ITS SOCKET SHALL BE 3 TERMINAL, POLARIZED, TWIST-LOCK TYPE. IT SHALL BE EQUIPPED WITH A MOVRO TYPE LIGHTNING ARRESTER.

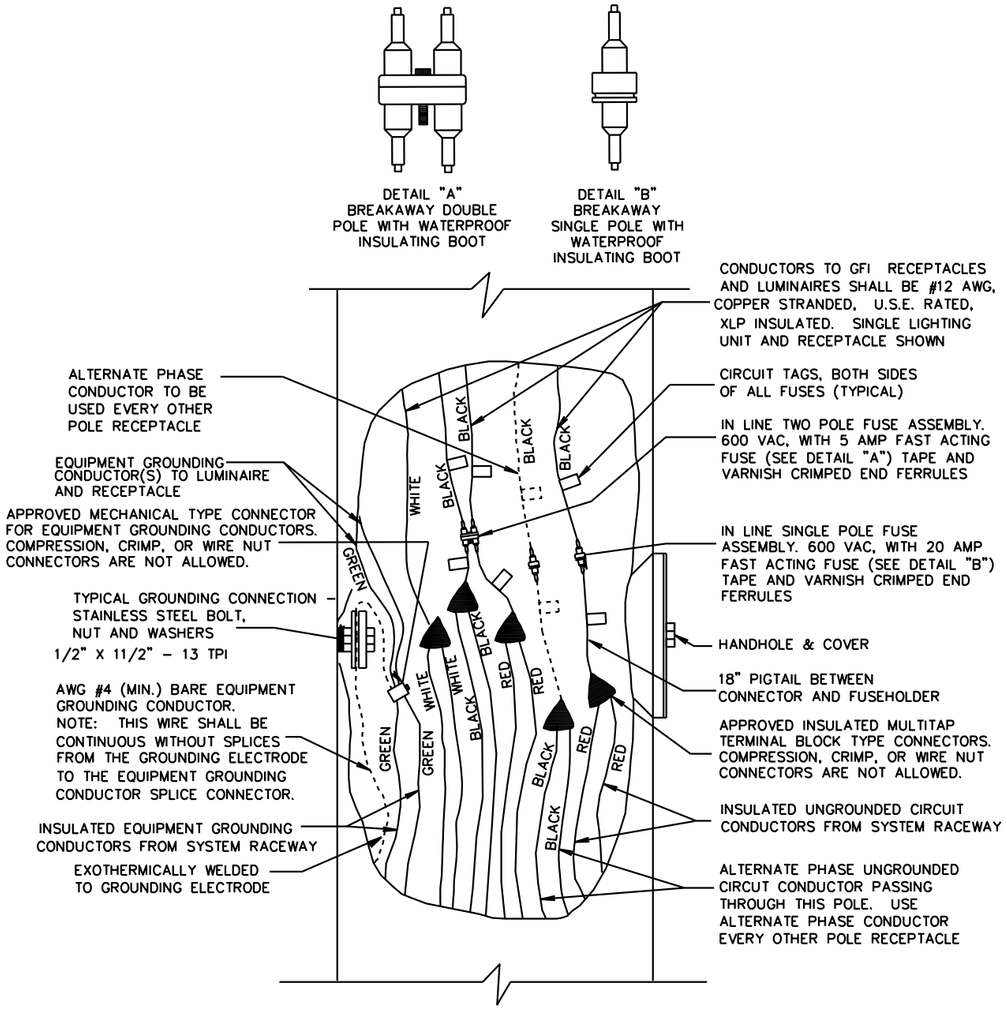
L. CABINET SHALL BE MANUFACTURED BY POVOLNY SPECIALTIES INC. 651.452.7335.

M. COORDINATE SERVICE CONNECTION WITH BRIAN MELLO AT XCEL ENERGY, 715-377-1810.

LIGHTING CONTROL CABINET TYPE SPECIAL DETAILS



SERVICE CABINET SCHEMATIC



2 WIRE – 240 VAC (UNGROUNDED CONDUCTOR) AND
3 WIRE – 120 VAC (UNGROUNDED CONDUCTOR) WITH GROUNDED CONDUCTOR AND WITH EQUIPMENT GROUNDING CONDUCTOR FOR GFI RECEPTACLES

NOTE: REFER TO S.D.D. "NON–FREEWAY LIGHTING UNIT POLE WIRING" FOR FUSING INFORMATION

POLE WIRING DETAIL

2

EXISTING LEGEND	
⊠	EXISTING LIGHTING CONTROL CABINET
⊕	EXISTING PULL BOX
------	EXISTING CABLE AND/OR CONDUIT
	EXISTING 35' UTILITARIAN STREET LIGHT
	EXISTING DECORATIVE STREET LIGHT
	EXISTING TRAFFIC SIGNAL

KEY NOTES:

1. REMOVE CABLES AND/OR CONDUIT
2. SALVAGE LIGHTING UNIT
3. REMOVE CONCRETE BASES
4. SALVAGE LUMINAIRE
5. REMOVE PULL BOXES
6. DISCONNECT EXISTING LIGHTING CIRCUITRY

GENERAL NOTES:

1. A MAINTENANCE STRIP OF CONCRETE SIDEWALK SHALL BE REMOVED BEHIND THE BACK OF CURB TO ALLOW FOR CONDUIT REMOVAL. IN LIGHTING UNIT REMOVAL LOCATIONS AN ENTIRE PANEL SHALL BE REMOVED AND REPLACED TO ALLOW FOR REMOVAL OF CONCRETE BASE. SEE CIVIL PLAN FOR CONCRETE WORK.
2. CONTRACTOR TO COORDINATE MINIMUM LIGHTING LEVELS DURING CONSTRUCTION WITH CITY OF HUDSON.

N

25 0 25 50
scale 12.5 feet

BUCKEYE ST

STH 35 (2ND ST)

COULEE ST

MATCHLINE – STA. 231+00

X-1 X-2 X-3 X-4 X-5 X-6 X-7 X-34 X-35

POST SIGN FLAG SIGN WALLS CANOPY A/C FILLER CAP W

PROJECT NO: 8080-02-60/07-70	HWY: STH 35	COUNTY: ST. CROIX	LIGHTING PLAN - REMOVALS	SHEET	E

FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HU148921_LTREM.DWG
LAYOUT NAME - 5

PLOT DATE : 9/4/2020 1:28 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1:50

EXISTING LEGEND	
	EXISTING LIGHTING CONTROL CABINET
	EXISTING PULL BOX
	EXISTING CABLE AND/OR CONDUIT
	EXISTING 35' UTILITARIAN STREET LIGHT
	EXISTING DECORATIVE STREET LIGHT
	EXISTING TRAFFIC SIGNAL

KEY NOTES:

1. REMOVE CABLES AND/OR CONDUIT
2. SALVAGE LIGHTING UNIT
3. REMOVE CONCRETE BASES
4. SALVAGE LUMINAIRE
5. REMOVE PULL BOXES
6. DISCONNECT EXISTING LIGHTING CIRCUITRY

GENERAL NOTES:

1. A MAINTENANCE STRIP OF CONCRETE SIDEWALK SHALL BE REMOVED BEHIND THE BACK OF CURB TO ALLOW FOR CONDUIT REMOVAL. IN LIGHTING UNIT REMOVAL LOCATIONS AN ENTIRE PANEL SHALL BE REMOVED AND REPLACED TO ALLOW FOR REMOVAL OF CONCRETE BASE. SEE CIVIL PLAN FOR CONCRETE WORK.
2. CONTRACTOR TO COORDINATE MINIMUM LIGHTING LEVELS DURING CONSTRUCTION WITH CITY OF HUDSON.

N

25 0 25 50
scale 12.5 feet

WISCONSIN ST

COMMERCIAL ST

STH 35 (2ND ST)

MATCHLINE – STA. 231+00

MATCHLINE – STA. 238+00

232+00 233+00 234+00 235+00 236+00 237+00

X-8 X-9 X-10 X-11 X-12 X-13 X-14 X-15

X-33 X-32 X-31

SIGN FLAG RUINS INL POST W

PROJECT NO: 8080-02-60/07-70	HWY: STH 35	COUNTY: ST. CROIX	LIGHTING PLAN - REMOVALS	SHEET 173	E

FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HU148921_LTREM.DWG
LAYOUT NAME - 6

PLOT DATE : 9/4/2020 1:28 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1:50

WISDOT/CADDS SHEET 42

2

EXISTING LEGEND

- EXISTING LIGHTING CONTROL CABINET
- EXISTING PULL BOX
- EXISTING CABLE AND/OR CONDUIT
- EXISTING 35' UTILITARIAN STREET LIGHT
- EXISTING DECORATIVE STREET LIGHT
- EXISTING TRAFFIC SIGNAL

KEY NOTES:

1. REMOVE CABLES AND/OR CONDUIT
2. SALVAGE LIGHTING UNIT
3. REMOVE CONCRETE BASES
4. SALVAGE LUMINAIRE
5. REMOVE PULL BOXES
6. DISCONNECT EXISTING LIGHTING CIRCUITRY

GENERAL NOTES:

1. A MAINTENANCE STRIP OF CONCRETE SIDEWALK SHALL BE REMOVED BEHIND THE BACK OF CURB TO ALLOW FOR CONDUIT REMOVAL. IN LIGHTING UNIT REMOVAL LOCATIONS AN ENTIRE PANEL SHALL BE REMOVED AND REPLACED TO ALLOW FOR REMOVAL OF CONCRETE BASE. SEE CIVIL PLAN FOR CONCRETE WORK.
2. CONTRACTOR TO COORDINATE MINIMUM LIGHTING LEVELS DURING CONSTRUCTION WITH CITY OF HUDSON.

N

25 0 25 50
scale 12.5 feet

WALNUT ST

LOCUST ST

STH 35 (2ND ST)

MATCHLINE – STA. 238+00

MATCHLINE – STA. 20+10

X-16 X-17 X-18 X-19 X-20 X-21 X-22 X-23 X-24 X-27 X-28 X-29 X-30

XLPB1 XLPB2 XLPB3 XLPB4

EXISTING LIGHTING CONTROL CABINET "A"

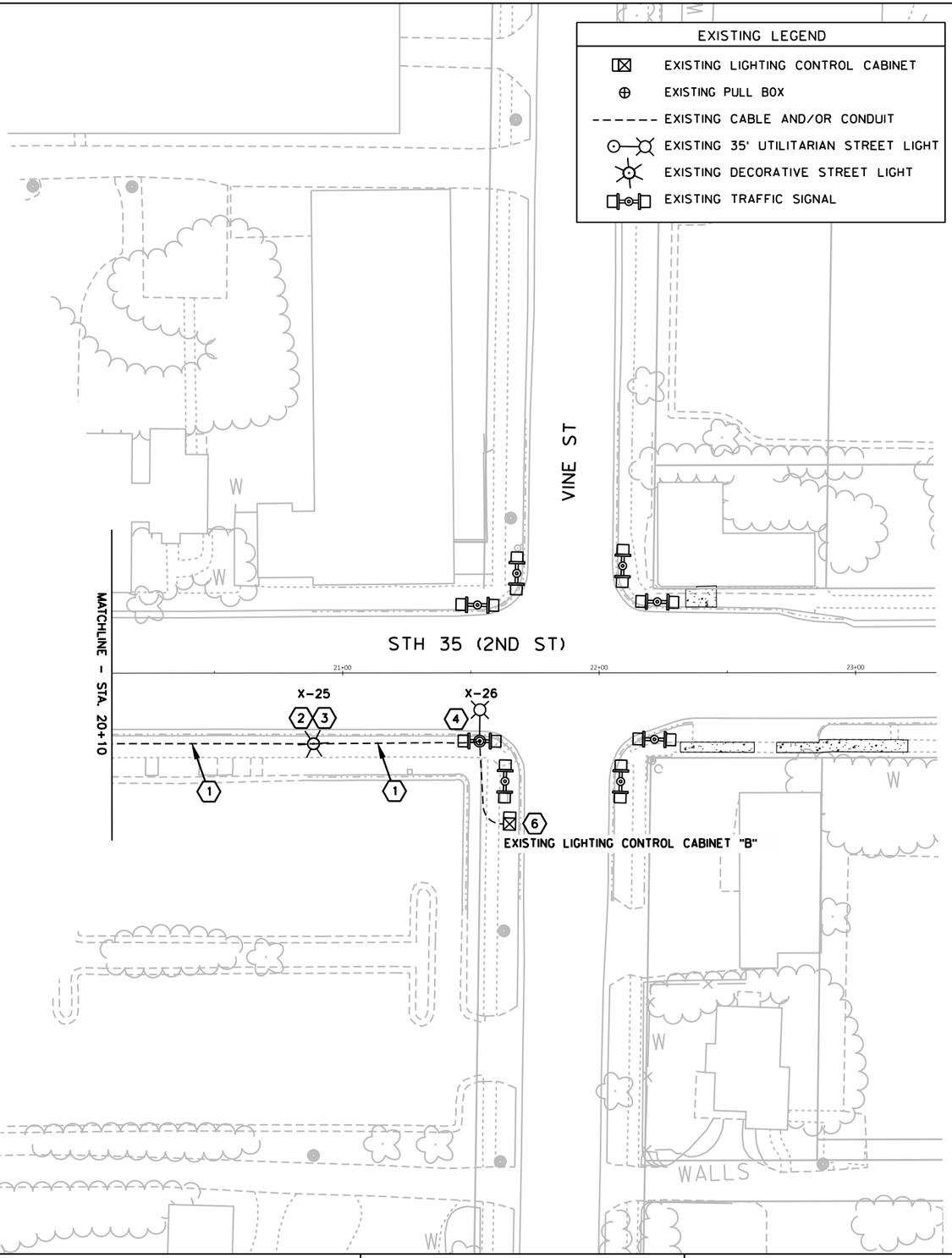
239+00 240+00 241+00 242+00 18+00 19+00 20+00

PROJECT NO: 8080-02-60/07-70	HWY: STH 35	COUNTY: ST. CROIX	LIGHTING PLAN - REMOVALS	SHEET 174 E

FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HU148921_LTREM.DWG
LAYOUT NAME - 7

PLOT DATE : 9/4/2020 1:29 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1:50

WISDOT/CADDS SHEET 42



KEY NOTES:

1. REMOVE CABLES AND/OR CONDUIT
2. SALVAGE LIGHTING UNIT
3. REMOVE CONCRETE BASES
4. SALVAGE LUMINAIRE
5. REMOVE PULL BOXES
6. DISCONNECT EXISTING LIGHTING CIRCUITRY

GENERAL NOTES:

1. A MAINTENANCE STRIP OF CONCRETE SIDEWALK SHALL BE REMOVED BEHIND THE BACK OF CURB TO ALLOW FOR CONDUIT REMOVAL. IN LIGHTING UNIT REMOVAL LOCATIONS AN ENTIRE PANEL SHALL BE REMOVED AND REPLACED TO ALLOW FOR REMOVAL OF CONCRETE BASE. SEE CIVIL PLAN FOR CONCRETE WORK.
2. CONTRACTOR TO COORDINATE MINIMUM LIGHTING LEVELS DURING CONSTRUCTION WITH CITY OF HUDSON.

N

25 0 25 50
scale 12.5 feet

2

PROJECT NO: 8080-02-60/07-70	HWY: STH 35	COUNTY: ST. CROIX	LIGHTING PLAN - REMOVALS	SHEET 175	E

2

PROPOSED LIGHTING UNIT

LW-AL-BT-L1-R1-(LCC-X-__)

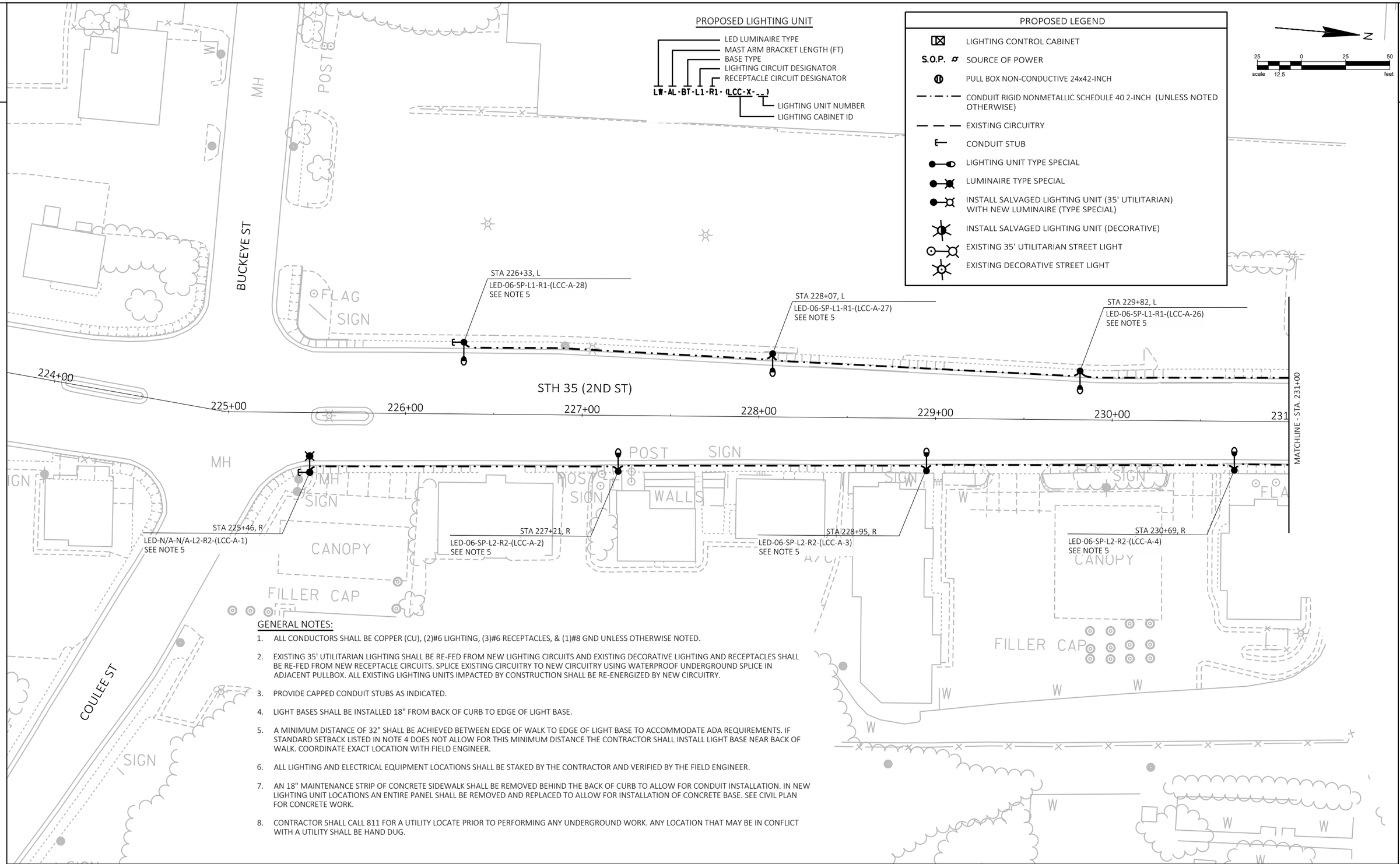
- LED LUMINAIRE TYPE
- MAST ARM BRACKET LENGTH (FT)
- BASE TYPE
- LIGHTING CIRCUIT DESIGNATOR
- RECEPTACLE CIRCUIT DESIGNATOR
- LIGHTING UNIT NUMBER
- LIGHTING CABINET ID

PROPOSED LEGEND

	LIGHTING CONTROL CABINET
S.O.P.	SOURCE OF POWER
	PULL BOX NON-CONDUCTIVE 24x42-INCH
	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS NOTED OTHERWISE)
	EXISTING CIRCUITRY
	CONDUIT STUB
	LIGHTING UNIT TYPE SPECIAL
	LUMINAIRE TYPE SPECIAL
	INSTALL SALVAGED LIGHTING UNIT (35' UTILITARIAN) WITH NEW LUMINAIRE (TYPE SPECIAL)
	INSTALL SALVAGED LIGHTING UNIT (DECORATIVE)
	EXISTING 35' UTILITARIAN STREET LIGHT
	EXISTING DECORATIVE STREET LIGHT

N

25 0 25 50
scale 12.5 feet



GENERAL NOTES:

1. ALL CONDUCTORS SHALL BE COPPER (CU), (2)#6 LIGHTING, (3)#6 RECEPTACLES, & (1)#8 GND UNLESS OTHERWISE NOTED.
2. EXISTING 35' UTILITARIAN LIGHTING SHALL BE RE-FED FROM NEW LIGHTING CIRCUITS AND EXISTING DECORATIVE LIGHTING AND RECEPTACLES SHALL BE RE-FED FROM NEW RECEPTACLE CIRCUITS. SPLICE EXISTING CIRCUITRY TO NEW CIRCUITRY USING WATERPROOF UNDERGROUND SPLICE IN ADJACENT PULLBOX. ALL EXISTING LIGHTING UNITS IMPACTED BY CONSTRUCTION SHALL BE RE-ENERGIZED BY NEW CIRCUITRY.
3. PROVIDE CAPPED CONDUIT STUBS AS INDICATED.
4. LIGHT BASES SHALL BE INSTALLED 18" FROM BACK OF CURB TO EDGE OF LIGHT BASE.
5. A MINIMUM DISTANCE OF 32" SHALL BE ACHIEVED BETWEEN EDGE OF WALK TO EDGE OF LIGHT BASE TO ACCOMMODATE ADA REQUIREMENTS. IF STANDARD SETBACK LISTED IN NOTE 4 DOES NOT ALLOW FOR THIS MINIMUM DISTANCE THE CONTRACTOR SHALL INSTALL LIGHT BASE NEAR BACK OF WALK. COORDINATE EXACT LOCATION WITH FIELD ENGINEER.
6. ALL LIGHTING AND ELECTRICAL EQUIPMENT LOCATIONS SHALL BE STAKED BY THE CONTRACTOR AND VERIFIED BY THE FIELD ENGINEER.
7. AN 18" MAINTENANCE STRIP OF CONCRETE SIDEWALK SHALL BE REMOVED BEHIND THE BACK OF CURB TO ALLOW FOR CONDUIT INSTALLATION. IN NEW LIGHTING UNIT LOCATIONS AN ENTIRE PANEL SHALL BE REMOVED AND REPLACED TO ALLOW FOR INSTALLATION OF CONCRETE BASE. SEE CIVIL PLAN FOR CONCRETE WORK.
8. CONTRACTOR SHALL CALL 811 FOR A UTILITY LOCATE PRIOR TO PERFORMING ANY UNDERGROUND WORK. ANY LOCATION THAT MAY BE IN CONFLICT WITH A UTILITY SHALL BE HAND DUG.

PROJECT NO: 8080-02-60/07-70	HWY: STH 35	COUNTY: ST. CROIX	LIGHTING PLAN - PROPOSED	SHEET 176	E

2

PROPOSED LIGHTING UNIT

LED LUMINAIRE TYPE
MAST ARM BRACKET LENGTH (FT)
BASE TYPE
LIGHTING CIRCUIT DESIGNATOR
RECEPTACLE CIRCUIT DESIGNATOR

LW-AL-BT-L1-R1-(LCC-X-__)

LIGHTING UNIT NUMBER
LIGHTING CABINET ID

PROPOSED LEGEND

- LIGHTING CONTROL CABINET
- S.O.P. SOURCE OF POWER
- PULL BOX NON-CONDUCTIVE 24x42-INCH
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS NOTED OTHERWISE)
- EXISTING CIRCUITRY
- CONDUIT STUB
- LIGHTING UNIT TYPE SPECIAL
- LUMINAIRE TYPE SPECIAL
- INSTALL SALVAGED LIGHTING UNIT (35' UTILITARIAN) WITH NEW LUMINAIRE (TYPE SPECIAL)
- INSTALL SALVAGED LIGHTING UNIT (DECORATIVE)
- EXISTING 35' UTILITARIAN STREET LIGHT
- EXISTING DECORATIVE STREET LIGHT

N

25 0 25 50
scale 12.5 feet

WISCONSIN ST

COMMERCIAL ST

STH 35 (2ND ST)

MATCHLINE - STA. 231+00

MATCHLINE - STA. 238+00

STA 231+38, L
LED-06-SP-L1-R1-(LCC-A-25)
SEE NOTE 5

STA 232+95, L
LED-06-SP-L1-R1-(LCC-A-24)

STA 234+62, L
LED-06-SP-L1-R1-(LCC-A-23)

STA 234+65, L
LCC-A

3" NMC
(4)#6 LIGHTING
(6)#6 RECEPTACLES
AND (2)#8 GND

S.O.P.

LPB12

LPB11

STA 236+08, L
LED-06-SP-L3-R3-(LCC-A-22)

STA 237+74, L
LED-06-SP-L3-R3-(LCC-A-21)

CONDUIT SPECIAL 2"
(DIRECTIONAL BORE UNDER WISCONSIN ST)

CONDUIT SPECIAL 3" (DIRECTIONAL BORE)
W/ (4)#6 LIGHTING, (6)#6 RECEPTACLES, & (2)#8 GND

CONDUIT SPECIAL 3"
(DIRECTIONAL BORE)

LPB1

LPB2

ADJUST EXISTING VALVE BOX

STA 232+05, R
LED-06-SP-L2-R2-(LCC-A-5)

STA 233+79, R
LED-06-SP-L2-R2-(LCC-A-6)

STA 235+25, R
LED-06-SP-L4-R4(LCC-A-7)

STA 236+91, R
LED-06-SP-L4-R4(LCC-A-8)

GENERAL NOTES:

1. ALL CONDUCTORS SHALL BE COPPER (CU), (2)#6 LIGHTING, (3)#6 RECEPTACLES, & (1)#8 GND UNLESS OTHERWISE NOTED.
2. EXISTING 35' UTILITARIAN LIGHTING SHALL BE RE-FED FROM NEW LIGHTING CIRCUITS AND EXISTING DECORATIVE LIGHTING AND RECEPTACLES SHALL BE RE-FED FROM NEW RECEPTACLE CIRCUITS. SPLICE EXISTING CIRCUITRY TO NEW CIRCUITRY USING WATERPROOF UNDERGROUND SPLICE IN ADJACENT PULLBOX. ALL EXISTING LIGHTING UNITS IMPACTED BY CONSTRUCTION SHALL BE RE-ENERGIZED BY NEW CIRCUITRY.
3. PROVIDE CAPPED CONDUIT STUBS AS INDICATED.
4. LIGHT BASES SHALL BE INSTALLED 18" FROM BACK OF CURB TO EDGE OF LIGHT BASE.
5. A MINIMUM DISTANCE OF 32" SHALL BE ACHIEVED BETWEEN EDGE OF WALK TO EDGE OF LIGHT BASE TO ACCOMMODATE ADA REQUIREMENTS. IF STANDARD SETBACK LISTED IN NOTE 4 DOES NOT ALLOW FOR THIS MINIMUM DISTANCE THE CONTRACTOR SHALL INSTALL LIGHT BASE NEAR BACK OF WALK. COORDINATE EXACT LOCATION WITH FIELD ENGINEER.
6. ALL LIGHTING AND ELECTRICAL EQUIPMENT LOCATIONS SHALL BE STAKED BY THE CONTRACTOR AND VERIFIED BY THE FIELD ENGINEER.
7. AN 18" MAINTENANCE STRIP OF CONCRETE SIDEWALK SHALL BE REMOVED BEHIND THE BACK OF CURB TO ALLOW FOR CONDUIT INSTALLATION. IN NEW LIGHTING UNIT LOCATIONS AN ENTIRE PANEL SHALL BE REMOVED AND REPLACED TO ALLOW FOR INSTALLATION OF CONCRETE BASE. SEE CIVIL PLAN FOR CONCRETE WORK.
8. CONTRACTOR SHALL CALL 811 FOR A UTILITY LOCATE PRIOR TO PERFORMING ANY UNDERGROUND WORK. ANY LOCATION THAT MAY BE IN CONFLICT WITH A UTILITY SHALL BE HAND DUG.

PROJECT NO: 8080-02-60/07-70	HWY: STH 35	COUNTY: ST. CROIX	LIGHTING PLAN - PROPOSED	SHEET 177	E

2

2

PROPOSED LIGHTING UNIT

LED LUMINAIRE TYPE
MAST ARM BRACKET LENGTH (FT)
BASE TYPE
LIGHTING CIRCUIT DESIGNATOR
RECEPTACLE CIRCUIT DESIGNATOR

LW-AL-BT-L1-R1-(LCC-X-__)

LIGHTING UNIT NUMBER
LIGHTING CABINET ID

PROPOSED LEGEND

- LIGHTING CONTROL CABINET
- S.O.P. SOURCE OF POWER
- PULL BOX NON-CONDUCTIVE 24x42-INCH
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS NOTED OTHERWISE)
- EXISTING CIRCUITRY
- CONDUIT STUB
- LIGHTING UNIT TYPE SPECIAL
- LUMINAIRE TYPE SPECIAL
- INSTALL SALVAGED LIGHTING UNIT (35' UTILITARIAN) WITH NEW LUMINAIRE (TYPE SPECIAL)
- INSTALL SALVAGED LIGHTING UNIT (DECORATIVE)
- EXISTING 35' UTILITARIAN STREET LIGHT
- EXISTING DECORATIVE STREET LIGHT

N

scale 25 0 25 50 feet, 12.5

WALNUT ST

LOCUST ST

STH 35 (2ND ST)

MATCHLINE - STA. 238+00

MATCHLINE - STA. 20+10

LPB10 LPB9 LPB8 LPB7

LPB3 LPB4 LPB5 LPB6

STA 242+36, L
LED-06-SP-L3-R3-(LCC-A-18)

STA 239+32, L
LED-N/A-N/A-L3-R3-(LCC-A-20)

STA 240+84, L
LED-06-SP-L3-R3-(LCC-A-19)

STA 18+17, L
SALVAGE-(LCC-A-29)

STA 19+21, L
LED-06-SP-L3-R3-(LCC-A-17)

ADJUST EXISTING VALVE BOX

239+00 240+00 241+00 242+00 18+00 19+00 20+00

CONDUIT SPECIAL 3" (DIRECTIONAL BORE)

CONDUIT SPECIAL 3"

STA 238+57, R
LED-N/A-N/A-L4-R4-(LCC-A-9)

STA 240+08, R
LED-06-SP-L4-R4-(LCC-A-10)

STA 241+60, R
LED-06-SP-L4-R4-(LCC-A-11)

STA 19+98, R
LED-06-SP-L4-R4-(LCC-A-13)

STA 18+43, R
LED-06-SP-L4-R4-(LCC-A-12)

EXISTING LIGHTING CONTROL CABINET

GENERAL NOTES:

1. ALL CONDUCTORS SHALL BE COPPER (CU), (2)#6 LIGHTING, (3)#6 RECEPTACLES, & (1)#8 GND UNLESS OTHERWISE NOTED.
2. EXISTING 35' UTILITARIAN LIGHTING SHALL BE RE-FED FROM NEW LIGHTING CIRCUITS AND EXISTING DECORATIVE LIGHTING AND RECEPTACLES SHALL BE RE-FED FROM NEW RECEPTACLE CIRCUITS. SPLICE EXISTING CIRCUITRY TO NEW CIRCUITRY USING WATERPROOF UNDERGROUND SPLICE IN ADJACENT PULLBOX. ALL EXISTING LIGHTING UNITS IMPACTED BY CONSTRUCTION SHALL BE RE-ENERGIZED BY NEW CIRCUITRY.
3. PROVIDE CAPPED CONDUIT STUBS AS INDICATED.
4. LIGHT BASES SHALL BE INSTALLED 18" FROM BACK OF CURB TO EDGE OF LIGHT BASE.
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8. CONTRACTOR SHALL CALL 811 FOR A UTILITY LOCATE PRIOR TO PERFORMING ANY UNDERGROUND WORK. ANY LOCATION THAT MAY BE IN CONFLICT WITH A UTILITY SHALL BE HAND DUG.

PROJECT NO: 8080-02-60/07-70	HWY: STH 35	COUNTY: ST. CROIX	LIGHTING PLAN - PROPOSED	SHEET 178 E

2

PROPOSED LIGHTING UNIT

LED LUMINAIRE TYPE
MAST ARM BRACKET LENGTH (FT)
BASE TYPE
LIGHTING CIRCUIT DESIGNATOR
RECEPTACLE CIRCUIT DESIGNATOR
LIGHTING UNIT NUMBER
LIGHTING CABINET ID

LW-AL-BT-L1-R1-(LCC-X-__)

PROPOSED LEGEND

- LIGHTING CONTROL CABINET
- S.O.P. SOURCE OF POWER
- PULL BOX NON-CONDUCTIVE 24x42-INCH
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS NOTED OTHERWISE)
- EXISTING CIRCUITRY
- CONDUIT STUB
- LIGHTING UNIT TYPE SPECIAL
- LUMINAIRE TYPE SPECIAL
- INSTALL SALVAGED LIGHTING UNIT (35' UTILITARIAN) WITH NEW LUMINAIRE (TYPE SPECIAL)
- INSTALL SALVAGED LIGHTING UNIT (DECORATIVE)
- EXISTING 35' UTILITARIAN STREET LIGHT
- EXISTING DECORATIVE STREET LIGHT

N

25 0 25 50
scale 12.5 feet

POST INL POST

VINE ST

STA 20+76, L
LED-06-SP-L3-R3-(LCC-A-16)

STA 22+29, L
LED-N/A-SP-L3-R3-(LCC-A-15)

STH 35 (2ND ST)

CONDUIT SPECIAL 2"
(DIRECTIONAL BORE UNDER VINE ST)

21+00 22+00 23+00 24+00 25+

MATCHLINE - STA. 20+10

MATCHLINE - STA. 25+00

STA 21+53, R
LED-N/A-N/A-L4-R4-(LCC-A-14)

W

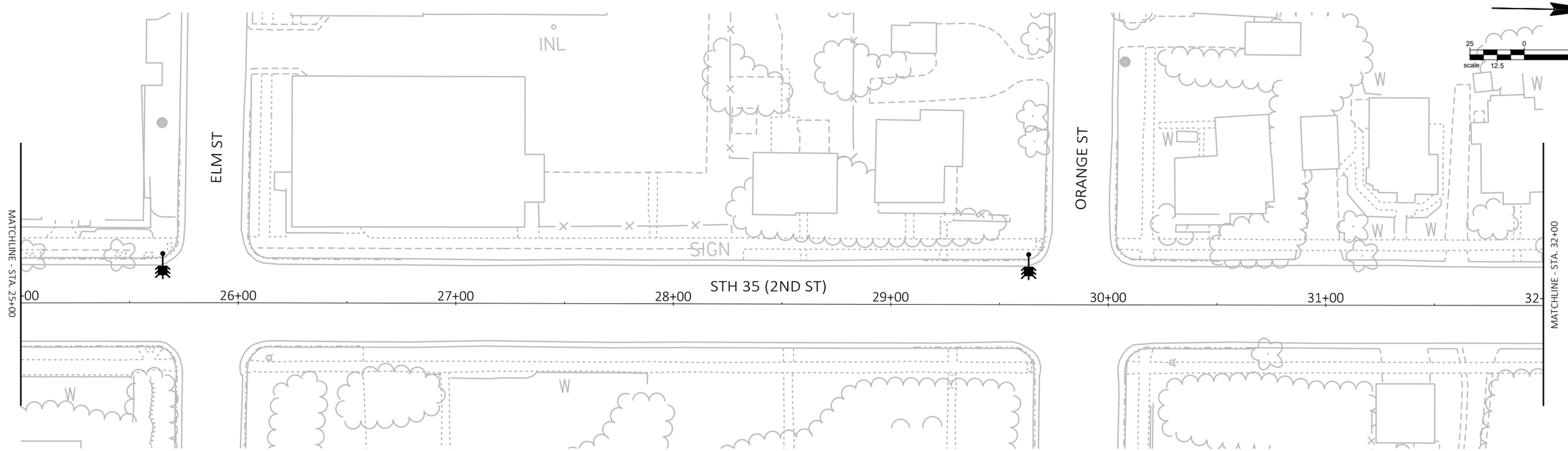
WALLS

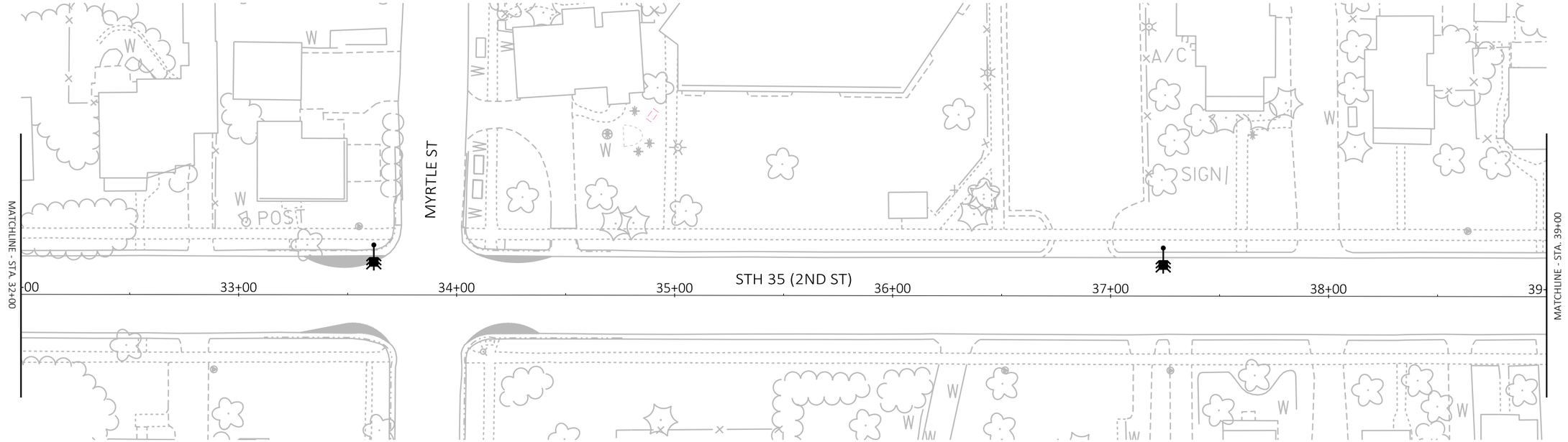
GENERAL NOTES:

1. ALL CONDUCTORS SHALL BE COPPER (CU), (2)#6 LIGHTING, (3)#6 RECEPTACLES, & (1)#8 GND UNLESS OTHERWISE NOTED.
2. EXISTING 35' UTILITARIAN LIGHTING SHALL BE RE-FED FROM NEW LIGHTING CIRCUITS AND EXISTING DECORATIVE LIGHTING AND RECEPTACLES SHALL BE RE-FED FROM NEW RECEPTACLE CIRCUITS. SPLICE EXISTING CIRCUITRY TO NEW CIRCUITRY USING WATERPROOF UNDERGROUND SPLICE IN ADJACENT PULLBOX. ALL EXISTING LIGHTING UNITS IMPACTED BY CONSTRUCTION SHALL BE RE-ENERGIZED BY NEW CIRCUITRY.
3. PROVIDE CAPPED CONDUIT STUBS AS INDICATED.
4. LIGHT BASES SHALL BE INSTALLED 18" FROM BACK OF CURB TO EDGE OF LIGHT BASE.
5. A MINIMUM DISTANCE OF 32" SHALL BE ACHIEVED BETWEEN EDGE OF WALK TO EDGE OF LIGHT BASE TO ACCOMMODATE ADA REQUIREMENTS. IF STANDARD SETBACK LISTED IN NOTE 4 DOES NOT ALLOW FOR THIS MINIMUM DISTANCE THE CONTRACTOR SHALL INSTALL LIGHT BASE NEAR BACK OF WALK. COORDINATE EXACT LOCATION WITH FIELD ENGINEER.
6. ALL LIGHTING AND ELECTRICAL EQUIPMENT LOCATIONS SHALL BE STAKED BY THE CONTRACTOR AND VERIFIED BY THE FIELD ENGINEER.
7. AN 18" MAINTENANCE STRIP OF CONCRETE SIDEWALK SHALL BE REMOVED BEHIND THE BACK OF CURB TO ALLOW FOR CONDUIT INSTALLATION. IN NEW LIGHTING UNIT LOCATIONS AN ENTIRE PANEL SHALL BE REMOVED AND REPLACED TO ALLOW FOR INSTALLATION OF CONCRETE BASE. SEE CIVIL PLAN FOR CONCRETE WORK.
8. CONTRACTOR SHALL CALL 811 FOR A UTILITY LOCATE PRIOR TO PERFORMING ANY UNDERGROUND WORK. ANY LOCATION THAT MAY BE IN CONFLICT WITH A UTILITY SHALL BE HAND DUG.

PROJECT NO: 8080-02-60/07-70	HWY: STH 35	COUNTY: ST. CROIX	LIGHTING PLAN - PROPOSED	SHEET 179	E

2





GENERAL NOTES:

1. "LIGHTING UNIT BY UTILITY" SHOWN IN APPROXIMATE LOCATION, ACTUAL LOCATION TO BE DETERMINED BY UTILITY

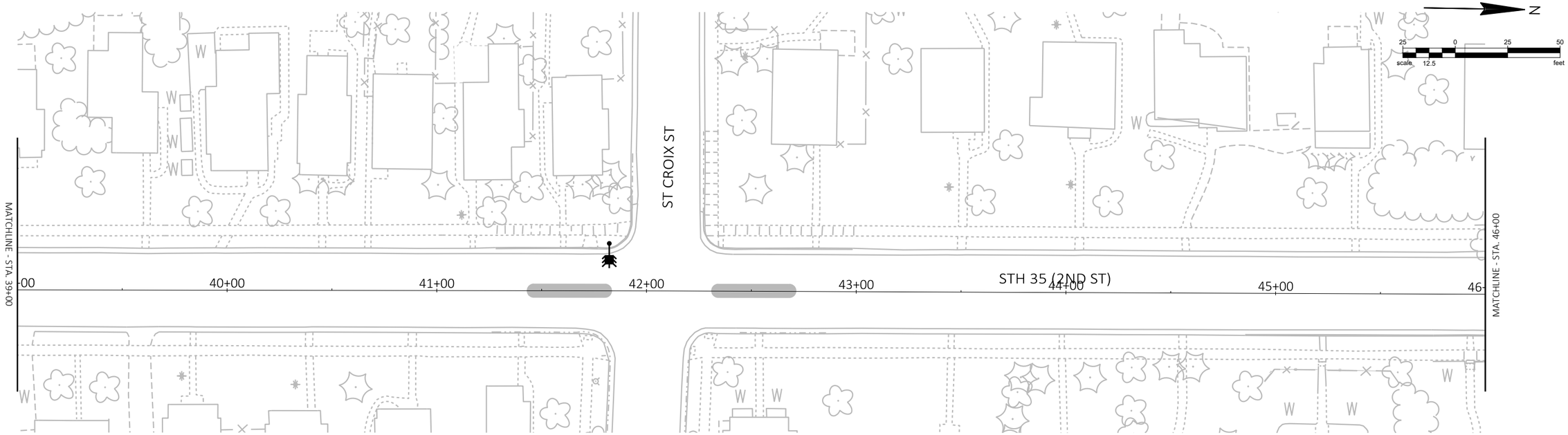
PROPOSED LEGEND	
	LIGHTING UNIT FURNISHED AND INSTALLED BY UTILITY

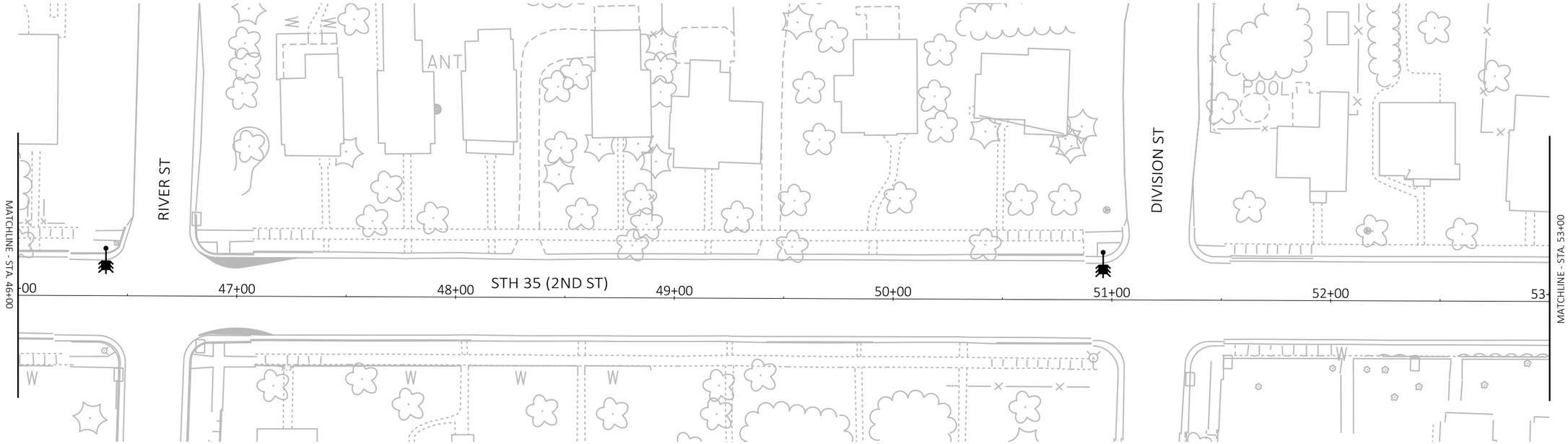
PROJECT NO: 8080-02-60/07-70	HWY: STH 35	COUNTY: ST. CROIX	LIGHTING PLAN - PROPOSED	SHEET 180	E

FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HU148921_LT1.DWG
LAYOUT NAME - 13

PLOT DATE : 9/4/2020 1:32 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1:50

2





GENERAL NOTES:

1. "LIGHTING UNIT BY UTILITY" SHOWN IN APPROXIMATE LOCATION, ACTUAL LOCATION TO BE DETERMINED BY UTILITY

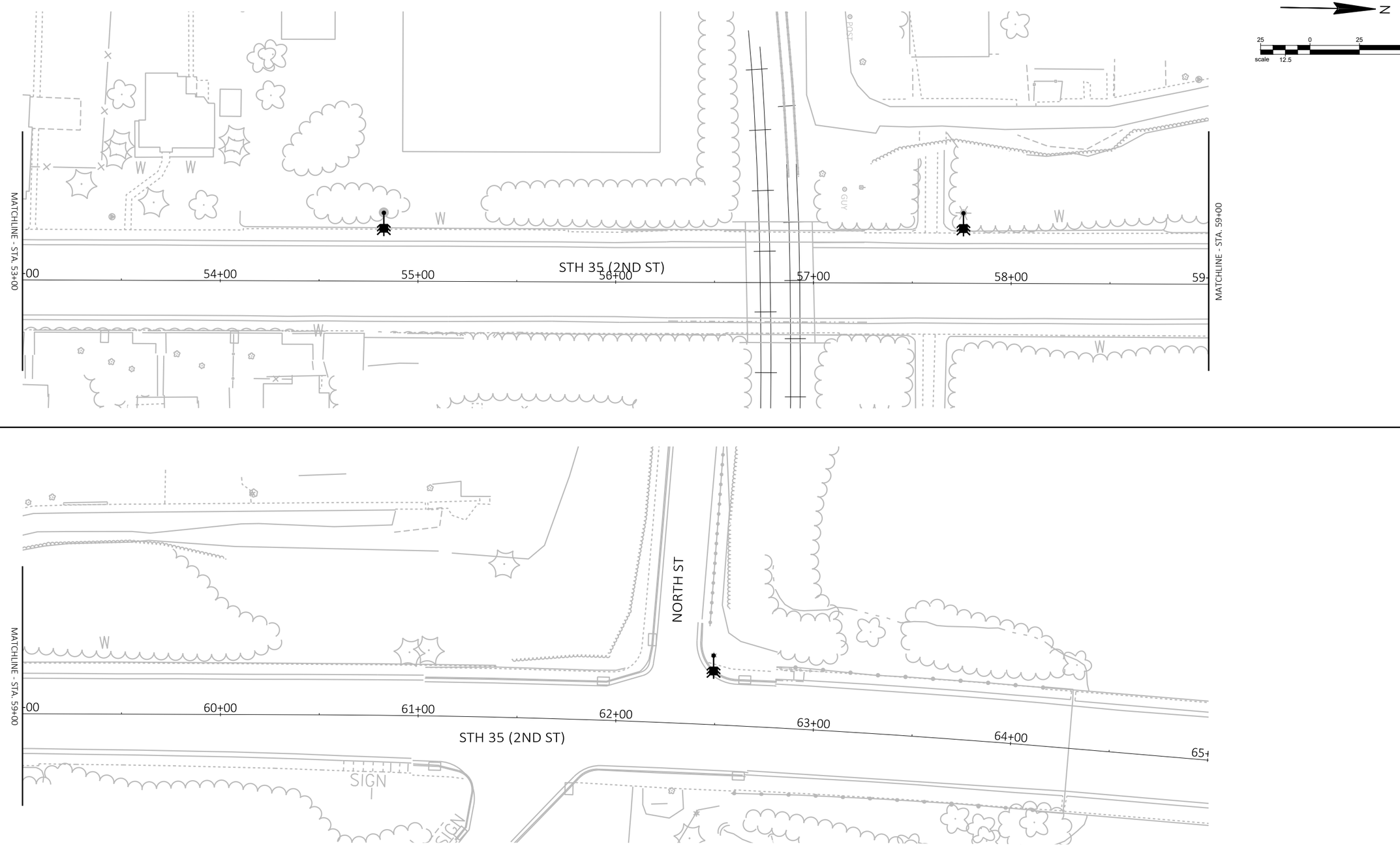
PROPOSED LEGEND	
	LIGHTING UNIT FURNISHED AND INSTALLED BY UTILITY

PROJECT NO: 8080-02-60/07-70	HWY: STH 35	COUNTY: ST. CROIX	LIGHTING PLAN - PROPOSED	SHEET 181	E

FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HU148921_LT1.DWG
LAYOUT NAME - 14

PLOT DATE : 9/4/2020 1:32 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1:50

2



GENERAL NOTES:

1. "LIGHTING UNIT BY UTILITY" SHOWN IN APPROXIMATE LOCATION, ACTUAL LOCATION TO BE DETERMINED BY UTILITY

PROPOSED LEGEND	
	LIGHTING UNIT FURNISHED AND INSTALLED BY UTILITY

PROJECT NO: 8080-02-60/07-70	HWY: STH 35	COUNTY: ST. CROIX	LIGHTING PLAN - PROPOSED	SHEET 182	E

FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HU148921_LT1.DWG
LAYOUT NAME - 15

PLOT DATE : 9/4/2020 1:32 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1:50

2

2

N

APPROXIMATE PROPERTY LINE (TYP)

ST CROIX ST

SPEED LIMIT 25

APPROXIMATE EXISTING ROW (TYP)

CAUTION

CAUTION

SB2

PB2

SB3

PB3

POSTED SPEED LIMIT 25

STH 35 (2ND ST)

41

42

43

STH 35 (2ND ST)

POSTED SPEED LIMIT 25

PB1

SB1

PB4

SB4

SPEED LIMIT 25

ST CROIX ST

LEGEND

- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- RRFB, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- PULL BOX, 24" X 42"
- PUSH BUTTON
- SERVICE POLE
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED PRIOR TO ACCEPTANCE AND PAYMENT BY THE DEPARTMENT. CONTACT THE CITY OF HUDSON PUBLIC WORKS DEPARTMENT TO MAKE ARRANGEMENTS (715-716-5746).
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. REMOVE EXISTING PEDESTRIAN BEACONS AND CONCRETE BASES.

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	RRFB (RAPID RECTANGULAR FLASHING BEACON) PLAN	SHEET 183	E

FILE NAME : \\SP3020-1\PROJECTS\FJ\H\HUDSO\148921\S-FINAL-DSGN\51-DRAWINGS\148921_SP (RRFB).DWG PLOT DATE : 9/4/2020 2:12 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1 IN = 20.0 FT

2

LEGEND

- CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
- 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
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- B PUSH BUTTON
- LOOP DETECTOR
- PULL BOX STEEL, 24" X 36"
- PULL BOX STEEL, 24" X 42"

LEGEND cont.

- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- Y YELLOW ARROW CIRCULAR INDICATOR
- G GREEN ARROW CIRCULAR INDICATOR
- XX DON'T WALK INDICATOR 16"
- 88 WALK INDICATOR 16"

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

N

BUCKEYE ST

ABANDON

ABANDON

ABANDON

R/W

STH 35

224+00

225+00

226+00

MATCH LINE 223+50

MATCH LINE 226+50

PB1/7 PB2 PB3 PB4 PB5 PB6 PB7 PB8 PB9 PB10 PB11 PB13

SB1/7 SB2 SB3/4 SB5 SB8/13 SB9 SB6 SB10/11 SB12

15'

COULEE RD

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED FIVE (5) DAYS PRIOR TO PLACING SIGNAL CABLE INTO THE SYSTEM. CONTACT THE ELECTRICAL FIELD UNIT AT (715) 577-3854.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
3. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICTS WITH EXISTING UTILITY FACILITIES.
4. WISDOT TO INSTALL TRAFFIC SIGNAL CABINET AND CONTROLLER.

TRAFFIC CONTROL SIGNAL

STH 35 & COULEE RD/BUCKEYE ST
CITY OF HUDSON
ST CROIX

CABINET TYPE: EXISTING
SIGNAL NO. CONTROLLER TYPE: EXISTING

REGION CONTACT:
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC

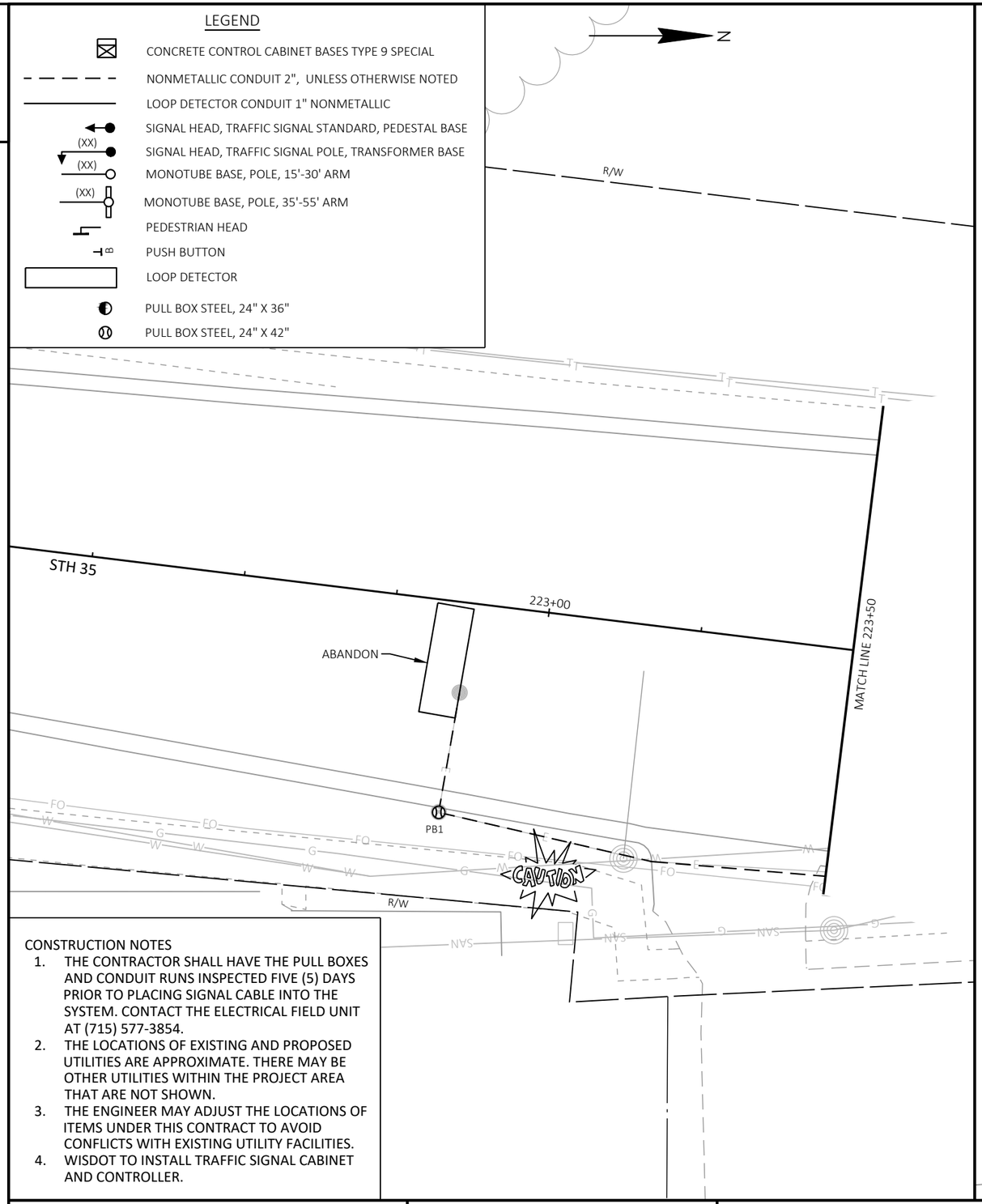
PROJECT NO: 8080-02-72	HWY: STH 35	COUNTY: ST CROIX	TRAFFIC SIGNAL REMOVAL PLAN - COULEE RD	SHEET 184	E

FILE NAME : C:\WORK FROM HOME\41079110 - STH 35 - HUDSON\C3D\SHEETSPLAN\024001_SRP.DWG
LAYOUT NAME - COULEE RD
PLOT DATE : 9/1/2020 2:42 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : Custom
WISDOT/CADDS SHEET 42

2

LEGEND

- CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
- 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
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- PB PUSH BUTTON
- LOOP DETECTOR
- PULL BOX STEEL, 24" X 36"
- PULL BOX STEEL, 24" X 42"



CONSTRUCTION NOTES

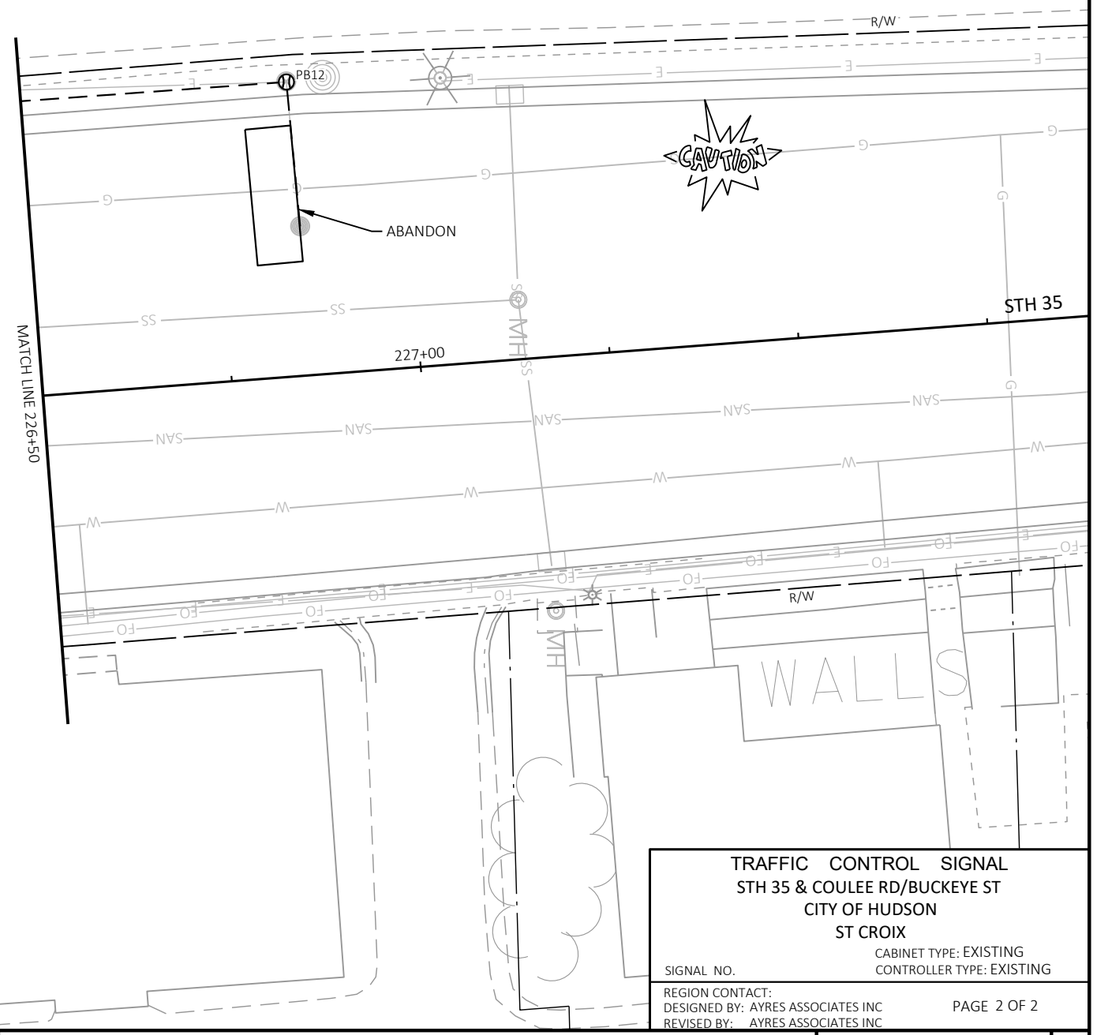
1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED FIVE (5) DAYS PRIOR TO PLACING SIGNAL CABLE INTO THE SYSTEM. CONTACT THE ELECTRICAL FIELD UNIT AT (715) 577-3854.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
3. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICTS WITH EXISTING UTILITY FACILITIES.
4. WISDOT TO INSTALL TRAFFIC SIGNAL CABINET AND CONTROLLER.

LEGEND cont.

- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- Y YELLOW ARROW CIRCULAR INDICATOR
- G GREEN ARROW CIRCULAR INDICATOR
- XX DON'T WALK INDICATOR 16"
- 08 WALK INDICATOR 16"

NOTES:

- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL
STH 35 & COULEE RD/BUCKEYE ST
CITY OF HUDSON
ST CROIX

CABINET TYPE: EXISTING
SIGNAL NO. CONTROLLER TYPE: EXISTING

REGION CONTACT:
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC

PAGE 2 OF 2

PROJECT NO: 8080-02-72	HWY: STH 35	COUNTY: ST CROIX	TRAFFIC SIGNAL REMOVAL PLAN - COULEE RD (2)	SHEET 185	E

FILE NAME : C:\WORK FROM HOME\41079110 - STH 35 - HUDSON\C3D\SHEETSPLAN\024001_SRP.DWG
LAYOUT NAME - COULEE RD (2)

PLOT DATE : 9/1/2020 2:42 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : Custom

WISDOT/CADDS SHEET 42

LEGEND

- CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
- 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
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- PUSH BUTTON
- EMERGENCY VEHICLE PRE-EMPTION DEVICE
- LUMINAIRE, TRAFFIC POLE, LED C
- VIDEO DETECTION AREA
- PULL BOX NON-CONDUCTIVE, 24" X 36"
- PULL BOX NON-CONDUCTIVE, 24" X 42"

LEGEND cont.

- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- FLASHING YELLOW ARROW; YELLOW ARROW CIRCULAR INDICATOR
- GREEN ARROW CIRCULAR INDICATOR
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

MONOTUBE STRUCTURE NUMBERS	
POLE NO.	STRUCTURE NO.
SB2	S-55-073-02
SB5	S-55-073-01
SB7	S-55-073-04
SB10	S-55-073-03

BUCKEYE ST
SPEED LIMIT = 25 MPH
STH 35
CABINET
EX. R/W
PROP. R/W
SB1 SB2 SB3 SB4 SB5 SB6 SB7 SB8 SB9 SB10 SB11
PB1 PB3 PB4 PB7 PB8 PB9 PB10 PB12
41 11 61 51 21 31
16' x 20'
6' x 50'
6' x 15'
6' x 20'
180'
224+00 225+00 226+00
2-3"
3-3"
55'
45'
20'
CAUTION
COULEE RD
SPEED LIMIT = 25 MPH

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED FIVE (5) DAYS PRIOR TO PLACING SIGNAL CABLE INTO THE SYSTEM. CONTACT THE ELECTRICAL FIELD UNIT AT (715) 577-3854.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
3. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICTS WITH EXISTING UTILITY FACILITIES.
4. PEDESTRIAN PUSH BUTTONS SHALL BE AUDIBLE, WITH MAKE AND MODEL ACCEPTABLE TO THE CITY.
5. MONOTUBE SIGNAL/LIGHT POLE STRUCTURES AT COULEE RD INTERSECTION SHALL BE BLACK IN COLOR (FEDERAL COLOR CODE: 17038). ADDITIONAL COSTS FOR COLOR BY CITY.

TRAFFIC CONTROL SIGNAL

STH 35 & COULEE RD/BUCKEYE ST
CITY OF HUDSON
ST CROIX COUNTY

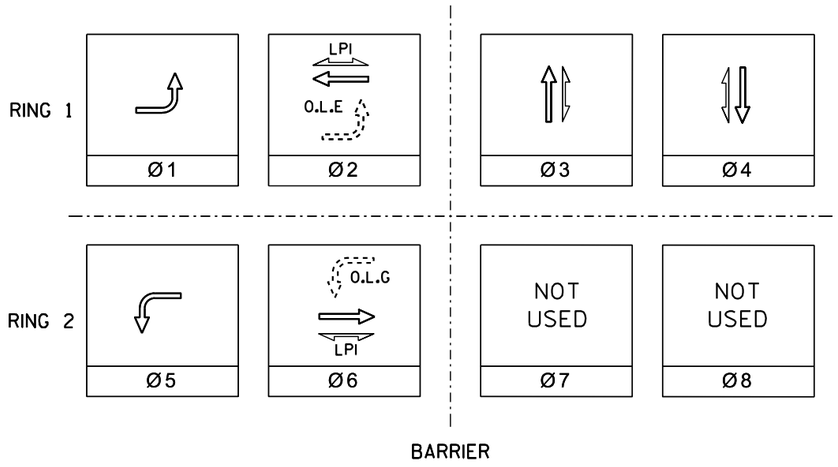
SIGNAL NO.
CABINET TYPE: TS2
CONTROLLER TYPE: ASC/3

REGION CONTACT:
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC

PROJECT NO: 8080-02-72	HWY: STH 35	COUNTY: ST CROIX	TRAFFIC SIGNAL PLAN - COULEE RD	SHEET 186	E

FILE NAME : C:\WORK FROM HOME\41079110 - STH 35 - HUDSON\C3D\SHEETSPLAN\024201_SP.DWG
LAYOUT NAME - COULEE RD
PLOT DATE : 10/8/2020 11:21 AM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : Custom
WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	4,5	R
Ø2	6,7,8	Y
Ø3	11,12,13	
Ø4	14,15,16	R
Ø5	9,10	R
Ø6	1,2,3	Y
Ø2P	21,22	
Ø3P	31,32	
Ø4P	41,42	
Ø6P	61,62	
OLE	4,5	
OLF		
OLG	9,10	
OLH		



CONTROLLER LOGIC

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

TYPE OF INTERCONNECT/COMMUNICATION

NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION

NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLER NUMBER	S -
SIGNAL SYSTEM NUMBER	SS- -

GENERAL NOTES:

1. PHASE 3 AND PHASE 4 ARE NOT TO RUN CONCURRENTLY.
2. "LEADING PEDESTRIAN INTERVAL" (LPI) OF 4 SECONDS FOR PHASES 2 AND 6 WHEN PEDESTRIAN PHASE IS ACTIVATED.

TYPE OF LIGHTING

BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN VIDEO DETECTION	11	21	51	31													PLAN VIDEO DETECTION
CALLED PHASE	1	2	5	3													CALLED PHASE
CALL OPTION	X	X	X	X													CALL OPTION
DELAY TIME																	DELAY TIME
EXTENSION OPTION	X	X	X	X													EXTENSION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL	X	X	X	X													USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE
LEADING PEDESTRIAN INTERVAL																	LEADING PEDESTRIAN INTERVAL

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN VIDEO DETECTION	41	61															PLAN VIDEO DETECTION
CALLED PHASE	4	6															CALLED PHASE
CALL OPTION	X	X															CALL OPTION
DELAY TIME																	DELAY TIME
EXTENSION OPTION	X	X															EXTENSION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL	X	X															USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE
LEADING PEDESTRIAN INTERVAL	X	X															LEADING PEDESTRIAN INTERVAL

TYPE OF PRE-EMPT

NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWARE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TRAFFIC CONTROL SIGNAL
STH 35 & COULEE RD/BUCKEYE ST
CITY OF HUDSON
ST CROIX COUNTY
CABINET TYPE: TS2
SIGNAL NO. CONTROLLER TYPE: ASC/3
REGION CONTACT:
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC

PROJECT NO: 8080-02-72	HWY: STH 35	COUNTY: ST CROIX	TRAFFIC SIGNAL PLAN - COULEE RD - SEQUENCE OF OPERATIONS	SHEET 187	E

FILE NAME : C:\WORK FROM HOME\41079110 - STH 35 - HUDSON\C3D\SHEETSPLAN\024201_SP.DWG
LAYOUT NAME - SEQUENCE OF OPERATIONS
PLOT DATE : 10/7/2020 11:14 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

CB1 TO	AWG 14 # OF CONDUCTORS	SIGNAL HEAD NO.	JUMPER	SIGNAL INDICATION WIRE COLOR								
				RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FL YELLOW>	D/WALK	WALK
SB1	9	12		RED	ORG	GRN			GRN			
		14		RED/BLK	WHT/BLK	GRN/BLK						
		22									BLK	BLU
SB2	9	13		RED	ORG	GRN			GRN			
		21									BLK	BLU
SB3	5	31									RED	GRN
SB4	9	4					RED/BLK	BLU	GRN/BLK	BLK		
		6		RED	ORG	GRN						
SB5	12	2		RED	ORG	GRN						
		3		RED	ORG	GRN						
		5					RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT		
		62									BLK	BLU
SB6	12	11		RED	ORG	GRN						
		15		RED/BLK	WHT/BLK	GRN/BLK			GRN/BLK			
		32									BLK	BLU
SB7	5	16		RED	ORG	GRN			GRN			
SB8	5	42									RED	GRN
SB9	12	1		RED	ORG	GRN						
		9					RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT		
		61									BLK	BLU
SB10	9	7		RED	ORG	GRN						
		8		RED	ORG	GRN						
		10					RED/BLK	BLU	GRN/BLK	BLK		
SB11	5	41									RED	GRN

EQUIPMENT GROUNDING CONDUCTOR 10 AWG GREEN XLP	
FROM	TO
CABINET	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	CABINET
CABINET	SB11

LEAD-IN CABLE TO PUSH BUTTONS	
FROM	TO
CABINET	SB1
CABINET	SB2
CABINET	SB3
CABINET	SB5
CABINET	SB6
CABINET	SB8
CABINET	SB9
CABINET	SB11

SIGNAL WIRE COLOR CODING			
	BLK = black	RED= red	GRN= green
	WHT = white	BLU= blue	ORG= orange

NOTE:

1. Use the white conductor in the cable assembly as the grounded conductor for all traffic signal indications
2. Ensure the grounded conductor in the feeder cableand the pole cables are both 18" longer than the ungrounded conductors

TRAFFIC CONTROL SIGNAL
STH 35 & COULEE RD/BUCKEYE ST
CITY OF HUDSON
ST CROIX COUNTY
SIGNAL NO.
CABINET TYPE: TS2
CONTROLLER TYPE: ASC/3
REGION CONTACT:
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC
PAGE 3 OF 4

2

STH 35 & COULEE ROAD/BUCKEYE STREET

Permanent Signal Timings

Parameter	Phases							
	NBL	SBT	--	EBT	SBL	NBT	--	WBT
	1	2	3	4	5	6	7	8
Min Green	5	10		7	5	10		7
Passage	2.5	3.5		2.5	2.5	3.5		2.5
Yellow	3.0	3.0		3.0	3.0	3.0		3.0
All Red	3.0	3.0		3.0	3.0	3.0		3.0
Max 1	25	60		40	25	60		40
Added Init	--	--		--	--	--		--
Max Initial	--	--		--	--	--		--
TBR	--	10.0		--	--	10.0		--
TTR	--	10.0		--	--	10.0		--
Min Gap	2.5	1.5		2.5	2.5	1.5		2.5
Walk	--	7.0		7.0	--	7.0		7.0
Don't Walk	--	14.0		23.0	--	14.0		22.0
Recall	None	Min		None	None	Min		None
Cycle 1 - 6:00 AM - 9:00 AM; Monday - Friday (Actuated Uncoordinated)								
Cycle length (s)	80							
Splits	11	31	--	13	16	26	--	25
Offset	--							
Cycle 2 - 3:00 PM - 6:00 PM; Monday - Friday (Actuated Uncoordinated)								
Cycle length (s)	90							
Splits	19	31	--	17	15	35	--	23
Offset	--							

TRAFFIC CONTROL SIGNAL
STH 35 & COULEE RD/BUCKEYE ST
CITY OF HUDSON
ST CROIX COUNTY

CABINET TYPE: TS2
SIGNAL NO. CONTROLLER TYPE: ASC/3

REGION CONTACT:
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC

FILE NAME : C:\WORK FROM HOME\41079110 - STH 35 - HUDSON\C3D\SHEETSPLAN\024201_SP.DWG
LAYOUT NAME - SIGNAL TIMING
PLOT DATE : 10/7/2020 11:14 AM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

LEGEND

- CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
- 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
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- PB PUSH BUTTON
- VIDEO DETECTION AREA
- PULL BOX STEEL, 24" X 36"
- PULL BOX STEEL, 24" X 42"

LEGEND cont.

- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- FYA FLASHING YELLOW ARROW; YELLOW ARROW CIRCULAR INDICATOR
- GA GREEN ARROW CIRCULAR INDICATOR
- XX DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

N

BUCKEYE ST

TEMPORARY SIGNAL POLE
STA 224+57, 59' LT

EXISTING TRAFFIC
CONTROLLER TO REMAIN

TEMPORARY SIGNAL POLE
STA 225+32, 51' LT

24" WHITE STOP BAR

WHITE ARROW, TYPE 3

WHITE ARROW, TYPE 2

STH 35 (2ND ST)

224+00

225+00

226+00

WHITE ARROW, TYPE 2

8" WHITE CHANNELIZING

WHITE ARROW, TYPE 3

24" WHITE STOP BAR

TEMPORARY SIGNAL POLE
STA 224+50, 42' RT

TEMPORARY SIGNAL POLE
STA 225+31, 44' RT

COULEE RD

CAUTION

R/W

MH

10' 10' 4' 22' 10' 10' 18' 18' 10' 10' 14' 18' 10' 10' 10' 10' 10'

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED FIVE (5) DAYS PRIOR TO PLACING SIGNAL CABLE INTO THE SYSTEM. CONTACT THE ELECTRICAL FIELD UNIT AT (715) 577-3854.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
3. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICTS WITH EXISTING UTILITY FACILITIES.

TRAFFIC CONTROL SIGNAL
STH 35 & COULEE RD/BUCKEYE ST
CITY OF HUDSON
ST CROIX COUNTY

CABINET TYPE: EXISTING
SIGNAL NO. CONTROLLER TYPE: EXISTING

REGION CONTACT:
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC

PAGE xx OF xx

PROJECT NO: 8080-02-72	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY TRAFFIC SIGNAL PLAN - COULEE RD - STAGE 1	SHEET 190	E

FILE NAME : C:\WORK FROM HOME\41079110 - STH 35 - HUDSON\C3D\SHEETSPLAN\025100_TC TEMP SIGNALS.DWG
LAYOUT NAME - Coulee Rd - STAGE 1

PLOT DATE : 9/3/2020 12:34 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

LEGEND

- CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
- 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
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- PB PUSH BUTTON
- VIDEO DETECTION AREA
- PULL BOX STEEL, 24" X 36"
- PULL BOX STEEL, 24" X 42"

LEGEND cont.

- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- FYA FLASHING YELLOW ARROW; YELLOW ARROW CIRCULAR INDICATOR
- GA GREEN ARROW CIRCULAR INDICATOR
- XX DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

N

BUCKEYE ST

TEMPORARY SIGNAL POLE
STA 224+57, 59' LT

EXISTING TRAFFIC
CONTROLLER TO REMAIN

TEMPORARY SIGNAL POLE
STA 225+32, 51' LT

10' 10' 4'

36' 12' 10'

CAUTION

8" WHITE CHANNELIZING

24" WHITE STOP BAR

STH 35 (2ND ST)

224+00

225+00

226+00

STH 35 (2ND ST)

8" WHITE CHANNELIZING

24" WHITE STOP BAR

10' 12' 12'

14' 18'

18' 10' 10'

TEMPORARY SIGNAL POLE
STA 224+50, 42' RT

TEMPORARY SIGNAL POLE
STA 225+31, 44' RT

COULEE RD

R/W

MH

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED FIVE (5) DAYS PRIOR TO PLACING SIGNAL CABLE INTO THE SYSTEM. CONTACT THE ELECTRICAL FIELD UNIT AT (715) 577-3854.
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3. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICTS WITH EXISTING UTILITY FACILITIES.

TRAFFIC CONTROL SIGNAL
STH 35 & COULEE RD/BUCKEYE ST
CITY OF HUDSON
ST CROIX COUNTY

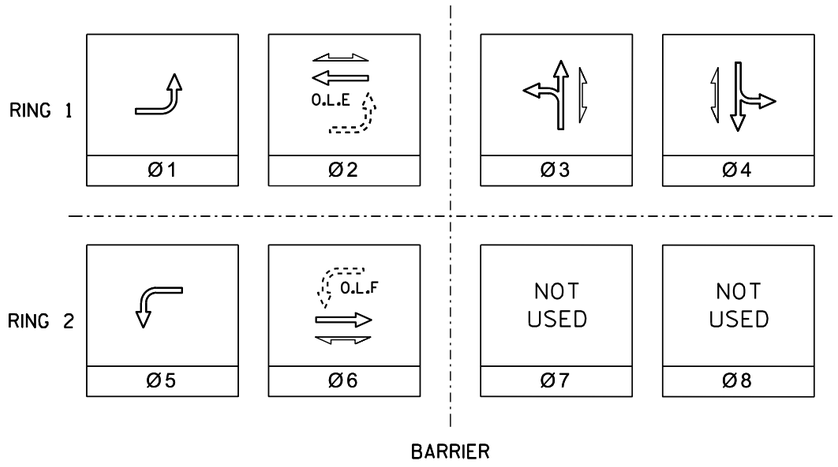
SIGNAL NO.
CABINET TYPE: EXISTING
CONTROLLER TYPE: EXISTING

REGION CONTACT:
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC

PAGE xx OF xx

PROJECT NO: 8080-02-72	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY TRAFFIC SIGNAL PLAN - COULEE RD - STAGE 2	SHEET 191	E

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



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W/Ø	PHASE RECALL	PHASE ACTIVE
1		6	MAX.	X
2	X	6	MAX.	X
3			MAX.	X
4			MAX.	X
5		2	MAX.	X
6	X	2	MAX.	X

GENERAL NOTES:

PHASE 3 AND PHASE 4 SHALL NOT RUN CONCURRENTLY.

TYPE OF INTERCONNECT/COMMUNICATION

NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION

NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLER NUMBER	S -
SIGNAL SYSTEM NUMBER	SS- -

N

TYPE OF LIGHTING

BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN VIDEO DETECTION																	PLAN VIDEO DETECTION
CALLED PHASE																	CALLED PHASE
CALL OPTION																	CALL OPTION
DELAY TIME																	DELAY TIME
EXTENSION OPTION																	EXTENSION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL																	USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN VIDEO DETECTION																	PLAN VIDEO DETECTION
CALLED PHASE																	CALLED PHASE
CALL OPTION																	CALL OPTION
DELAY TIME																	DELAY TIME
EXTENSION OPTION																	EXTENSION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL																	USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

TYPE OF PRE-EMPT

NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWARE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TRAFFIC CONTROL SIGNAL
STH 35 & COULEE RD/BUCKEYE ST
CITY OF HUDSON
ST CROIX COUNTY

CABINET TYPE: EXISTING
SIGNAL NO. CONTROLLER TYPE: EXISTING

REGION CONTACT:
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC

PAGE xx OF xx

PROJECT NO: 8080-02-72	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY TRAFFIC SIGNAL PLAN - COULEE RD - SEQUENCE OF OPERATIONS	SHEET 192	E

2

STH 35 & COULEE ROAD/BUCKEYE STREET

Temporary Signal Timings

Stage 1 & 2

Parameter	Phases							
	NBL	SBT	WBT	EBT	SBL	NBT	--	--
	1	2	3	4	5	6	7	8
Min Green	5	10	7	7	5	10		
Passage	--	--	--	--	--	--		
Yellow	3.0	3.0	3.0	3.0	3.0	3.0		
All Red	3.0	3.0	3.0	3.0	3.0	3.0		
Max 1	25	50	40	40	25	50		
Added Init								
Max Initial								
TBR								
TTR								
Min Gap								
Walk	--	7.0	7.0	7.0	--	7.0		
Don't Walk	--	14.0	22.0	23.0	--	14.0		
Recall	Max	Max	Max	Max	Max	Max		

Cycle 1 - 12:00 AM - 12:00 PM; Sunday - Saturday (Pretimed)								
Cycle length (s)	130							
Splits	12	47	35	36	19	40	--	--
Offset	--							

Cycle 2 - 12:00 PM - 12:00 AM; Sunday - Saturday (Pretimed)								
Cycle length (s)	140							
Splits	22	47	35	36	16	53	--	--
Offset	--							

SPLITS SELECTED TO ACCOMMODATE PEDESTRIAN CLEARANCE EVERY CYCLE

TRAFFIC CONTROL SIGNAL
STH 35 & COULEE RD/BUCKEYE ST
CITY OF HUDSON
ST CROIX COUNTY

SIGNAL NO.
CABINET TYPE: EXISTING
CONTROLLER TYPE: EXISTING

REGION CONTACT:
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC

PAGE xx OF xx

2

LEGEND

- CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD
- PB PUSH BUTTON
- PULL BOX STEEL, 24" X 36"
- PULL BOX STEEL, 24" X 42"

LEGEND cont.

- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- YELLOW ARROW CIRCULAR INDICATOR
- GREEN ARROW CIRCULAR INDICATOR
- XX DON'T WALK INDICATOR 16"
- WALK INDICATOR 16"

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

N

STH 35/6TH STREET

85+00

84+00

MONROE ST

R/W

MH

OH

SS

W

G

SAN

21

52

51

42

82

12

61

11

9

PB1 PB2 PB3 PB4 PB5 PB6 PB7 PB8 PB9

SB1 SB2 SB3 SB4 SB5 SB6 SB7 SB8

15'

15'

CAUTION

LUMINAIRE TO BE REMOVED BY UTILITY OWNER

CONSTRUCTION NOTES

1. SALVAGE, DISASSEMBLE, AND RETURN EXISTING POLES, SIGNALS, LUMINAIRES, AND ARMS TO WISDOT. CONTACT ELECTRICAL FIELD UNIT AT (715) 577-3854 PRIOR TO REMOVAL AND RETURN.
2. WISDOT WILL REMOVE EXISTING SIGNAL CABINET.

TRAFFIC CONTROL SIGNAL
STH 35/6TH STREET N & MONROE ST
VILLAGE OF NORTH HUDSON
ST CROIX COUNTY

SIGNAL NO. S 55-0840
CABINET TYPE: EXISTING
CONTROLLER TYPE: EXISTING

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT: DAVE FENSKE
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC

PAGE 1 OF 1

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	TRAFFIC SIGNAL REMOVAL PLAN - MONROE ST	SHEET 194	E

FILE NAME : C:\WORK FROM HOME\41079100 - STH 35 - HUDSON\C3D\SHEETSPLAN\024002_SRP.DWG
LAYOUT NAME - MONROE ST
PLOT DATE : 7/17/2020 12:25 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : Custom

WISDOT/CADDS SHEET 42

LEGEND

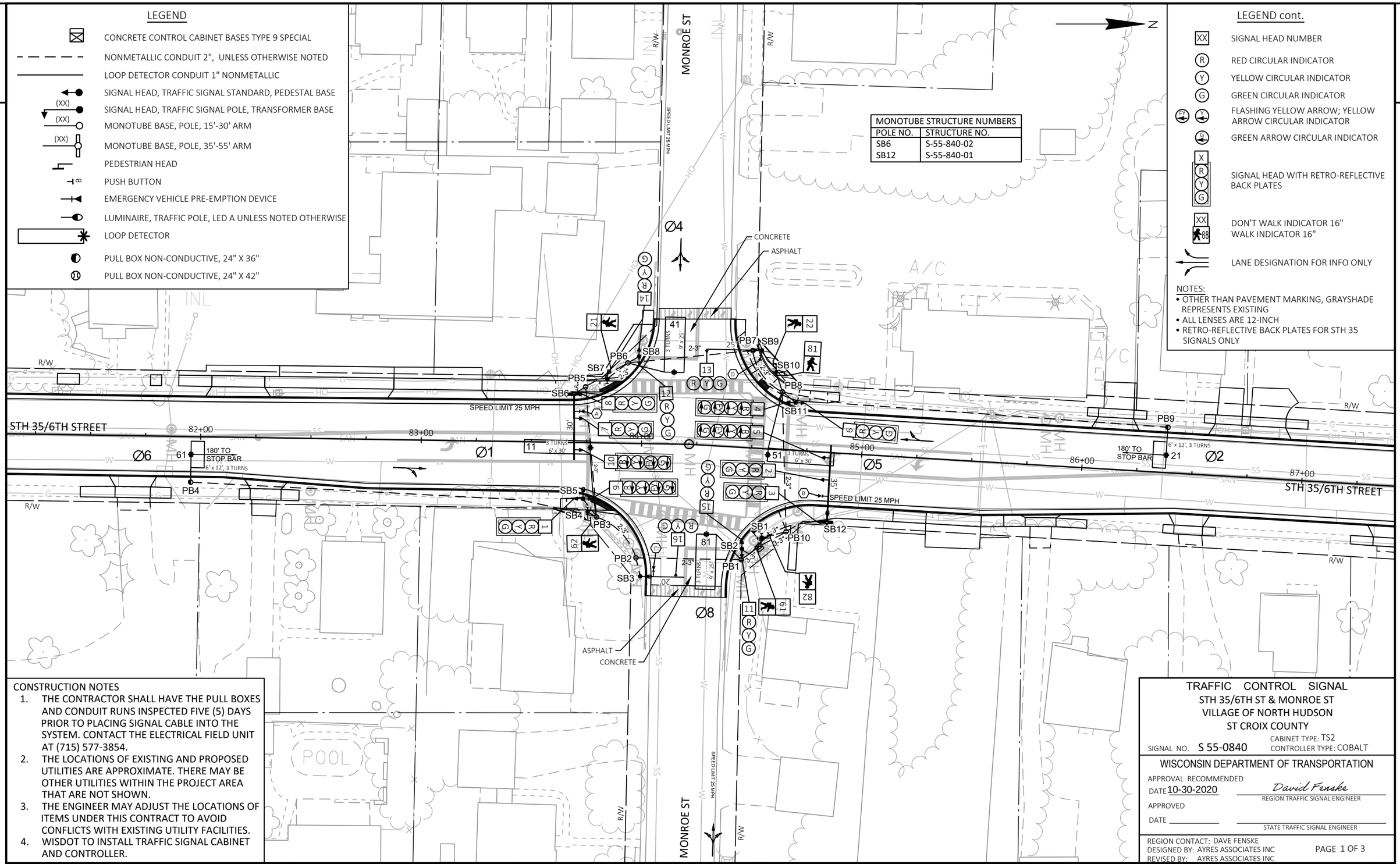
- CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- PUSH BUTTON
- EMERGENCY VEHICLE PRE-EMPTION DEVICE
- LUMINAIRE, TRAFFIC POLE, LED A UNLESS NOTED OTHERWISE
- LOOP DETECTOR
- PULL BOX NON-CONDUCTIVE, 24" X 36"
- PULL BOX NON-CONDUCTIVE, 24" X 42"

LEGEND cont.

- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- FY Y FLASHING YELLOW ARROW; YELLOW ARROW CIRCULAR INDICATOR
- G GREEN ARROW CIRCULAR INDICATOR
- X R Y G SIGNAL HEAD WITH RETRO-REFLECTIVE BACK PLATES
- XX 88 DON'T WALK INDICATOR 16" WALK INDICATOR 16"
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- OTHER THAN PAVEMENT MARKING, GRAYSHADE REPRESENTS EXISTING
- ALL LENSES ARE 12-INCH
- RETRO-REFLECTIVE BACK PLATES FOR STH 35 SIGNALS ONLY

MONOTUBE STRUCTURE NUMBERS	
POLE NO.	STRUCTURE NO.
SB6	S-55-840-02
SB12	S-55-840-01



CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED FIVE (5) DAYS PRIOR TO PLACING SIGNAL CABLE INTO THE SYSTEM. CONTACT THE ELECTRICAL FIELD UNIT AT (715) 577-3854.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
3. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICTS WITH EXISTING UTILITY FACILITIES.
4. WISDOT TO INSTALL TRAFFIC SIGNAL CABINET AND CONTROLLER.

TRAFFIC CONTROL SIGNAL

STH 35/6TH ST & MONROE ST
VILLAGE OF NORTH HUDSON
ST CROIX COUNTY

SIGNAL NO. S 55-0840
CABINET TYPE: TS2
CONTROLLER TYPE: COBALT

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 10-30-2020 David Fenske
REGION TRAFFIC SIGNAL ENGINEER

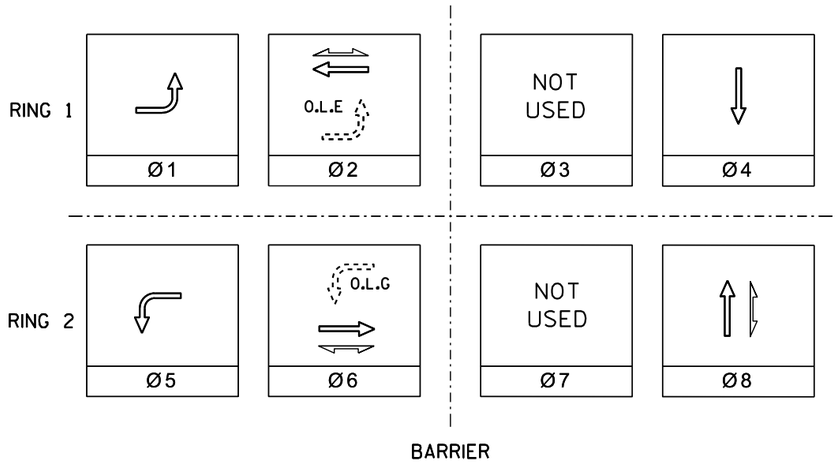
APPROVED
DATE _____
STATE TRAFFIC SIGNAL ENGINEER

REGION CONTACT: DAVE FENSKE
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	TRAFFIC SIGNAL PLAN - MONROE ST	SHEET 195 E

FILE NAME : C:\WORK FROM HOME\41079110 - STH 35 - HUDSON\C3D\SHEETSPLAN\024202_SP (40 SC).DWG
LAYOUT NAME - MONROE ST
PLOT DATE : 10/7/2020 2:17 PM
PLOT BY : MUENCH, DOUGLAS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	4,5	R
Ø2	6,7,8	Y
Ø4	14,15,16	R
Ø5	9,10	R
Ø6	1,2,3	Y
Ø8	11,12,13	R
Ø2P	21,22	
Ø6P	61,62	
Ø8P	81,82	
OLE	4,5	
OLF		
OLG	9,10	
OLH		



CONTROLLER LOGIC

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

TYPE OF INTERCONNECT/COMMUNICATION

NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

GENERAL NOTES:

TYPE OF COORDINATION

NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLER NUMBER	S -
SIGNAL SYSTEM NUMBER	SS- -

N

TYPE OF LIGHTING

BY OTHER AGENCY	X
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	11	41	61														PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	4	6														CALLED PHASE
CALL OPTION	X	X	X														CALL OPTION
DELAY TIME																	DELAY TIME
EXTENSION OPTION	X	X	X														EXTENSION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL	X	X	X														USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	21	51	81														PLAN LOOP DETECTOr*(S)
CALLED PHASE	2	5	8														CALLED PHASE
CALL OPTION	X	X	X														CALL OPTION
DELAY TIME																	DELAY TIME
EXTENSION OPTION	X	X	X														EXTENSION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL	X	X	X														USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

TYPE OF PRE-EMPT

NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	X
TOMAR	
HARDWARE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TRAFFIC CONTROL SIGNAL
STH 35 & MONROE ST
VILLAGE OF NORTH HUDSON
ST CROIX COUNTY
CABINET TYPE: TS2
SIGNAL NO. S 55-0840 CONTROLLER TYPE: COBALT
REGION CONTACT: DAVE FENSKE
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC

FILE NAME : C:\WORK FROM HOME\41079110 - STH 35 - HUDSON\C3D\SHEETSPLAN\024202_SP (40 SC).DWG
LAYOUT NAME - SEQUENCE OF OPERATIONS
PLOT DATE : 10/7/2020 2:17 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

CB1 TO	AWG 14 # OF CONDUCTORS	SIGNAL HEAD NO.	JUMPER	SIGNAL INDICATION WIRE COLOR								
				RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FL YELLOW>	D/WALK	WALK
SB1	5	61									RED	GRN
		82									BLK	ORG
SB2	9	11		RED	ORG	GRN						
		15		RED/BLK	WHT/BLK	GRN/BLK						
SB3	5	16		RED	ORG	GRN						
SB4	5	62									RED	GRN
SB5	9	1		RED	ORG	GRN						
		9					RED/BLK	BLU	GRN/BLK	BLK		
SB6	9	7		RED	ORG	GRN						
		8		RED	ORG	GRN						
		10					RED/BLK	BLU	GRN/BLK	BLK		
SB7	5	21									RED	GRN
SB8	9	12		RED	ORG	GRN						
		14		RED/BLK	WHT/BLK	GRN/BLK						
SB9	5	13		RED	ORG	GRN						
SB10	5	22									RED	GRN
		81									BLK	ORG
SB11	9	4					RED/BLK	BLU	GRN/BLK	BLK		
		6		RED	ORG	GRN						
SB12	9	2		RED	ORG	GRN						
		3		RED	ORG	GRN						
		5					RED/BLK	BLU	GRN/BLK	BLK		

EQUIPMENT GROUNDING CONDUCTOR 10 AWG GREEN XLP	
FROM	TO
CABINET	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	SB1
SB1	CABINET

LEAD-IN CABLE TO PUSH BUTTONS	
FROM	TO
CABINET	SB1 (61, 82)
CABINET	SB4
CABINET	SB7
CABINET	SB10 (22, 81)

LIGHTING 2-12 UF WITH GROUND	
FROM	TO
CABINET	SB5
CABINET	SB12

SIGNAL WIRE COLOR CODING			
	BLK = black	RED= red	GRN= green
	WHT = white	BLU= blue	ORG= orange

NOTE:

1. Use the white conductor in the cable assembly as the grounded conductor for all traffic signal indications
2. Ensure the grounded conductor in the feeder cable and the pole cables are both 18" longer than the ungrounded conductors

TRAFFIC CONTROL SIGNAL
STH 35 & MONROE ST
VILLAGE OF NORTH HUDSON
ST CROIX COUNTY
SIGNAL NO. S 55-0840
CABINET TYPE: TS2
CONTROLLER TYPE: COBALT
REGION CONTACT: DAVE FENSKE
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC
PAGE 3 OF 3

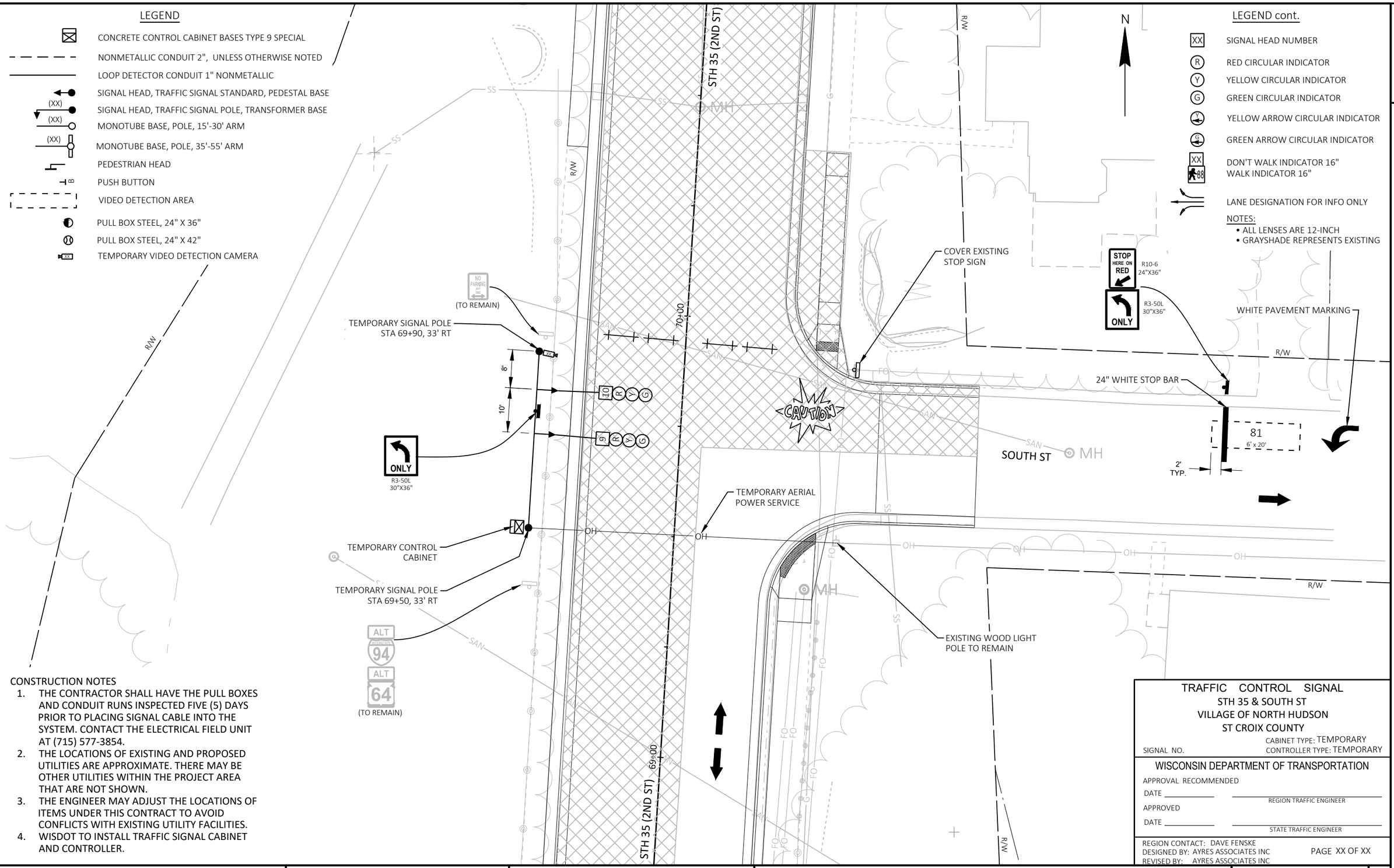
LEGEND

- CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
- 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
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- B PUSH BUTTON
- VIDEO DETECTION AREA
- PULL BOX STEEL, 24" X 36"
- PULL BOX STEEL, 24" X 42"
- XX TEMPORARY VIDEO DETECTION CAMERA

LEGEND cont.

- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- Y YELLOW ARROW CIRCULAR INDICATOR
- G GREEN ARROW CIRCULAR INDICATOR
- XX DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING



CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED FIVE (5) DAYS PRIOR TO PLACING SIGNAL CABLE INTO THE SYSTEM. CONTACT THE ELECTRICAL FIELD UNIT AT (715) 577-3854.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
3. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICTS WITH EXISTING UTILITY FACILITIES.
4. WISDOT TO INSTALL TRAFFIC SIGNAL CABINET AND CONTROLLER.

TRAFFIC CONTROL SIGNAL
STH 35 & SOUTH ST
VILLAGE OF NORTH HUDSON
ST CROIX COUNTY

SIGNAL NO.
CABINET TYPE: TEMPORARY
CONTROLLER TYPE: TEMPORARY

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT: DAVE FENSKE
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC

PAGE XX OF XX

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY TRAFFIC SIGNAL PLAN - SOUTH ST - STAGE 3	SHEET 198	E

FILE NAME : C:\WORK FROM HOME\41079110 - STH 35 - HUDSON\C3D\SHEETSPLAN\025100_TC TEMP SIGNALS.DWG
LAYOUT NAME - South St - STAGE 3
PLOT DATE : 9/3/2020 12:36 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########

2

LEGEND

- CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
- 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
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- PUSH BUTTON
- VIDEO DETECTION AREA
- PULL BOX STEEL, 24" X 36"
- PULL BOX STEEL, 24" X 42"
- TEMPORARY VIDEO DETECTION CAMERA

LEGEND cont.

- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- YELLOW ARROW CIRCULAR INDICATOR
- GREEN ARROW CIRCULAR INDICATOR
- XX DON'T WALK INDICATOR 16"
  WALK INDICATOR 16"
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

N

STH 35 (2ND ST)

R/W

SS

MH

SAN

FO

OH

G

70+00

69+00

NO PARKING ANY TIME (TO REMAIN)

TEMPORARY SIGNAL POLE
STA 69+90, 33' RT

8'

10'

10 R Y G

9 R Y G

ONLY
R3-50L
30"X36"

TEMPORARY AERIAL
POWER SERVICE

TEMPORARY CONTROL
CABINET

TEMPORARY SIGNAL POLE
STA 69+50, 33' RT

ALT 94 (TO REMAIN)

ALT 64 (TO REMAIN)

CAUTION

COVER EXISTING
STOP SIGN

STOP HERE ON RED
R10-6
24"X36"

ONLY
R3-50L
30"X36"

WHITE PAVEMENT MARKING

24" WHITE STOP BAR

81
6' x 20'

2'
TYP.

SOUTH ST

EXISTING WOOD LIGHT
POLE TO REMAIN

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED FIVE (5) DAYS PRIOR TO PLACING SIGNAL CABLE INTO THE SYSTEM. CONTACT THE ELECTRICAL FIELD UNIT AT (715) 577-3854.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
3. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICTS WITH EXISTING UTILITY FACILITIES.

TRAFFIC CONTROL SIGNAL

STH 35 & SOUTH ST
VILLAGE OF NORTH HUDSON
ST CROIX COUNTY

SIGNAL NO.
CABINET TYPE: TEMPORARY
CONTROLLER TYPE: TEMPORARY

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT: DAVE FENSKE
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC

PAGE XX OF XX

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY TRAFFIC SIGNAL PLAN - SOUTH ST - STAGE 4	SHEET 199	E

FILE NAME : C:\WORK FROM HOME\41079110 - STH 35 - HUDSON\C3D\SHEETSPLAN\025100_TC TEMP SIGNALS.DWG
LAYOUT NAME - South St - STAGE 4
PLOT DATE : 9/3/2020 12:36 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

8080-07-70 STH 35 HUDSON LAKE MALLALIEU BRIDGE

PROPOSED SIGNAL TIMINGS (SEC.)				
PHASE 1 SOUTH ST WB	PHASE 2 NORTH ST EB	PHASE 3 SHOP RD WB	PHASE 4 DIVISION ST EB/WB	PROGRAM TYPE
10	5	8	10	MINIMUM GREEN TIME
5	5	5	5	MAXIMUM PASSAGE TIME DURING GREEN PHASE
3	3	3	3	MINIMUM PASSAGE TIME DURING GREEN PHASE
15	15	15	15	START OF REDUCTION OF PASSAGE FROM MAX. TO MIN. DURING GREEN PHASE
0	0	0	0	TIME TO REDUCE PASSAGE FROM MAX. TO MIN. DURING GREEN PHASE
50	25	25	50	MAXIMUM GREEN TIME
4	4	4	4	YELLOW
29	2	40	66	ALL-RED
MIN	NONE	MIN	MIN	RECALL MODE
SIGNALS OPERATE UNDER ACTUATION CONTROL				

CONTRACTOR SHALL REVIEW SIGNALS AFTER PROGRAMMING TO ASSURE THERE IS ADEQUATE TIMING AND THERE ARE NO CONFLICTING MOVEMENTS.

IF THERE ARE QUESTIONS REGARDING THE TIMINGS PLEASE CONTACT TRAFFIC ENGINEER

TRAFFIC CONTROL SIGNAL
STH 35 & SOUTH ST
VILLAGE OF NORTH HUDSON
ST CROIX COUNTY

SIGNAL NO.
CABINET TYPE: TEMPORARY
CONTROLLER TYPE: TEMPORARY

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ _____ STATE TRAFFIC ENGINEER

REGION CONTACT: DAVE FENSKE
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC

PAGE XX OF XX

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY TRAFFIC SIGNAL PLAN - SOUTH ST - SIGNAL TIMING	SHEET 200	E

FILE NAME : C:\WORK FROM HOME\41079110 - STH 35 - HUDSON\C3D\SHEETSPLAN\025100_TC TEMP SIGNALS.DWG
LAYOUT NAME - - SOUTH ST - SIGNAL TIMING
PLOT DATE : 9/3/2020 12:36 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
- 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
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- PUSH BUTTON
- VIDEO DETECTION AREA
- PULL BOX STEEL, 24" X 36"
- PULL BOX STEEL, 24" X 42"

LEGEND cont.

- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- YELLOW ARROW CIRCULAR INDICATOR
- GREEN ARROW CIRCULAR INDICATOR
- XX DON'T WALK INDICATOR 16"
  WALK INDICATOR 16"
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

N

STH 35 (2ND ST)

WALNUT ST

WALNUT ST

CAUTION

R/W

MH

239+00

CONSTRUCTION NOTES
1. MAINTAIN EXISTING SIGNALS. CONSTRUCTION EQUIPMENT TO AVOID BLOCKING SIGNAL VISIBILITY.

TRAFFIC CONTROL SIGNAL
STH 35 & WALNUT ST
CITY OF HUDSON
ST CROIX COUNTY
CABINET TYPE: EXISTING
SIGNAL NO. CONTROLLER TYPE: EXISTING
REGION CONTACT:
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC
PAGE xx OF xx

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY TRAFFIC SIGNAL PLAN - WALNUT ST - STAGE 1	SHEET 201	E

FILE NAME : C:\WORK FROM HOME\41079110 - STH 35 - HUDSON\C3D\SHEETSPLAN\025100_TC TEMP SIGNALS.DWG
LAYOUT NAME - Walnut St - STAGE 1
PLOT DATE : 9/3/2020 12:35 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

LEGEND

- CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
- 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
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- PB PUSH BUTTON
- VIDEO DETECTION AREA
- PULL BOX STEEL, 24" X 36"
- PULL BOX STEEL, 24" X 42"

LEGEND cont.

- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- YELLOW ARROW CIRCULAR INDICATOR
- GREEN ARROW CIRCULAR INDICATOR
- XX DON'T WALK INDICATOR 16"
  WALK INDICATOR 16"
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

N

STH 35 (2ND ST)

WALNUT ST

WALNUT ST

R/W

MH

CAUTION

239+00

CONSTRUCTION NOTES
1. MAINTAIN EXISTING SIGNALS. CONSTRUCTION EQUIPMENT TO AVOID BLOCKING SIGNAL VISIBILITY.

TRAFFIC CONTROL SIGNAL
STH 35 & WALNUT ST
CITY OF HUDSON
ST CROIX COUNTY

SIGNAL NO.
CABINET TYPE: EXISTING
CONTROLLER TYPE: EXISTING

REGION CONTACT:
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC

PAGE xx OF xx

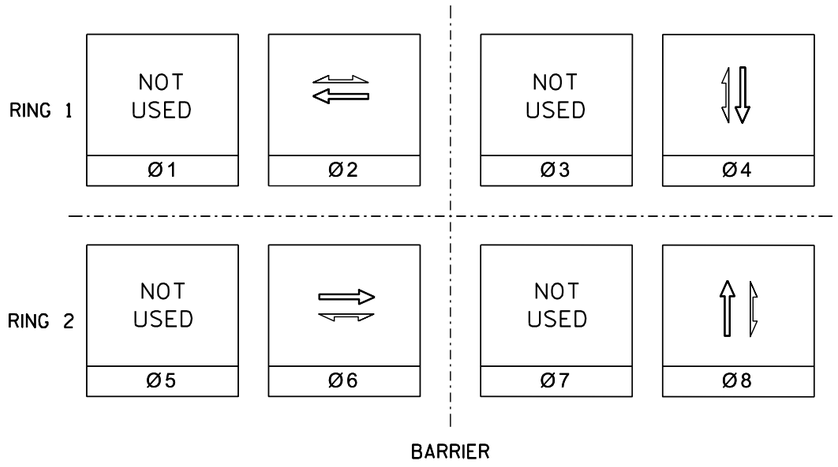
PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY TRAFFIC SIGNAL PLAN - WALNUT ST - STAGE 2	SHEET 202	E

FILE NAME : C:\WORK FROM HOME\41079110 - STH 35 - HUDSON\C3D\SHEETSPLAN\025100_TC TEMP SIGNALS.DWG
LAYOUT NAME - Walnut St - STAGE 2

PLOT DATE : 9/3/2020 12:35 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	4,5,6	R
Ø4	7,8,9	R
Ø5		
Ø6	1,2,3	R
Ø8	10,11,12	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLE		
OLF		
OLG		
OLH		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W/Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X		MAX.	X
4			MAX.	X
5				
6	X		MAX.	X
8			MAX.	X

GENERAL NOTES:

TYPE OF INTERCONNECT/COMMUNICATION

NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION

NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLER NUMBER	S -
SIGNAL SYSTEM NUMBER	SS- -

N

TYPE OF LIGHTING

BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN VIDEO DETECTION																	PLAN VIDEO DETECTION
CALLED PHASE																	CALLED PHASE
CALL OPTION																	CALL OPTION
DELAY TIME																	DELAY TIME
EXTENSION OPTION																	EXTENSION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL																	USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN VIDEO DETECTION																	PLAN VIDEO DETECTION
CALLED PHASE																	CALLED PHASE
CALL OPTION																	CALL OPTION
DELAY TIME																	DELAY TIME
EXTENSION OPTION																	EXTENSION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL																	USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

TYPE OF PRE-EMPT

NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWARE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TRAFFIC CONTROL SIGNAL
STH 35 & WALNUT ST
CITY OF HUDSON
ST CROIX COUNTY
CABINET TYPE: EXISTING
SIGNAL NO. CONTROLLER TYPE: EXISTING
REGION CONTACT:
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC
PAGE xx OF xx

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY TRAFFIC SIGNAL PLAN - WALNUT ST - SEQUENCE OF OPERATIONS	SHEET 203	E

STH 35 & WALNUT STREET

Temporary Signal Timings

Stage 1 & 2

Parameter	Phases							
	--	SBT	--	EBT	--	NBT	--	WBT
	1	2	3	4	5	6	7	8
Min Green		10		7		10		7
Passage		--		--		--		--
Yellow		3.0		3.0		3.0		3.0
All Red		2.5		2.5		2.5		2.5
Max 1		50		40		50		40
Added Init								
Max Initial								
TBR								
TTR								
Min Gap								
Walk		7.0		7.0		7.0		7.0
Don't Walk		13.0		14.0		13.0		16.0
Recall		Max		Max		Max		Max

Cycle 1 - 12:00 AM - 12:00 AM; Sunday - Saturday (Pretimed)								
Cycle length (s)	60							
Splits	--	31	--	29	--	31	--	29
Offset	--							

TRAFFIC CONTROL SIGNAL
STH 35 & WALNUT ST
CITY OF HUDSON
ST CROIX COUNTY

CABINET TYPE: EXISTING
SIGNAL NO. CONTROLLER TYPE: EXISTING

REGION CONTACT:
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC

PAGE xx OF xx

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY TRAFFIC SIGNAL PLAN - WALNUT ST - SIGNAL TIMING	SHEET 204	E

FILE NAME : C:\WORK FROM HOME\41079110 - STH 35 - HUDSON\C3D\SHEETSPLAN\025100_TC TEMP SIGNALS.DWG
LAYOUT NAME - - WALNUT ST - SIGNAL TIMING
PLOT DATE : 9/3/2020 12:35 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

LEGEND

- CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
- 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
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- PB PUSH BUTTON
- VIDEO DETECTION AREA
- PULL BOX STEEL, 24" X 36"
- PULL BOX STEEL, 24" X 42"
- XX TEMPORARY VIDEO DETECTION CAMERA

LEGEND cont.

- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- Y YELLOW ARROW CIRCULAR INDICATOR
- G GREEN ARROW CIRCULAR INDICATOR
- XX DON'T WALK INDICATOR 16"
- WALK INDICATOR 16"
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

N

STH 35 (2ND ST)

52+00

TEMPORARY SIGNAL POLE
STA 51+43, 34' RT

NO TURN ON RED
R10-11B
24"X24"

R3-2
24"X24"

CAUTION

51+00

DIVISION ST

41
6' x 20'

24" WHITE STOP BAR

R3-1
24"X24"

STOP HERE ON RED
R10-6
24"X36"

COVER EXISTING
STOP SIGN

TEMPORARY CONTROL
CABINET

TEMPORARY SIGNAL POLE
STA 50+95, 34' LT

EXISTING LIGHT POLE
TO REMAIN

TEMPORARY SIGNAL POLE
STA 50+95, 34' RT

STOP HERE ON RED
R10-6
24"X36"

NO TURN ON RED
R10-11B
24"X24"

24" WHITE STOP BAR

81
6' x 20'

2'
TYP.

DIVISION ST

R/W

SS

SAN

MH

OH

W

G

FO

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED FIVE (5) DAYS PRIOR TO PLACING SIGNAL CABLE INTO THE SYSTEM. CONTACT THE ELECTRICAL FIELD UNIT AT (715) 577-3854.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
3. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICTS WITH EXISTING UTILITY FACILITIES.
4. WISDOT TO INSTALL TRAFFIC SIGNAL CABINET AND CONTROLLER.

TRAFFIC CONTROL SIGNAL
STH 35 & DIVISION ST
CITY OF HUDSON
ST CROIX COUNTY

SIGNAL NO.
CABINET TYPE: TEMPORARY
CONTROLLER TYPE: TEMPORARY

REGION CONTACT:
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC

PAGE xx OF xx

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY TRAFFIC SIGNAL PLAN - DIVISION ST - STAGE 3	SHEET 205	E

FILE NAME : C:\WORK FROM HOME\41079110 - STH 35 - HUDSON\C3D\SHEETSPLAN\025100_TC TEMP SIGNALS.DWG
LAYOUT NAME - Division St - STAGE 3

PLOT DATE : 9/3/2020 12:35 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

LEGEND

- CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
- 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
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- PUSH BUTTON
- VIDEO DETECTION AREA
- PULL BOX STEEL, 24" X 36"
- PULL BOX STEEL, 24" X 42"
- XX TEMPORARY VIDEO DETECTION CAMERA

LEGEND cont.

- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- Y YELLOW ARROW CIRCULAR INDICATOR
- G GREEN ARROW CIRCULAR INDICATOR
- XX DON'T WALK INDICATOR 16"
- WALK INDICATOR 16"
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

N

STH 35 (2ND ST)

DIVISION ST

TEMPORARY SIGNAL POLE STA 51+43, 34' RT

NO TURN ON RED R10-11B 24"X24"

R3-2 24"X24"

41 6' x 20'

CAUTION

R3-1 24"X24"

COVER EXISTING STOP SIGN

STOP HERE ON RED R10-6 24"X36"

TEMPORARY CONTROL CABINET

TEMPORARY SIGNAL POLE STA 50+95, 34' LT

EXISTING LIGHT POLE TO REMAIN

TEMPORARY SIGNAL POLE STA 51+43, 34' RT

COVER EXISTING STOP SIGN

24" WHITE STOP BAR

81 6' x 20'

2' TYP.

R3-1 24"X24"

CAUTION

TEMPORARY SIGNAL POLE STA 50+95, 34' RT

R/W

SS SAN OH G W T FO MH

51+00 52+00

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED FIVE (5) DAYS PRIOR TO PLACING SIGNAL CABLE INTO THE SYSTEM. CONTACT THE ELECTRICAL FIELD UNIT AT (715) 577-3854.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
3. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICTS WITH EXISTING UTILITY FACILITIES.

TRAFFIC CONTROL SIGNAL
STH 35 & DIVISION ST
CITY OF HUDSON
ST CROIX COUNTY

CABINET TYPE: TEMPORARY
SIGNAL NO. CONTROLLER TYPE: TEMPORARY

REGION CONTACT:
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC

PAGE xx OF xx

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY TRAFFIC SIGNAL PLAN - DIVISION ST - STAGE 4	SHEET 206	E

FILE NAME : C:\WORK FROM HOME\41079110 - STH 35 - HUDSON\C3D\SHEETSPLAN\025100_TC TEMP SIGNALS.DWG
LAYOUT NAME - Division St - STAGE 4

PLOT DATE : 9/3/2020 12:36 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

8080-07-70 STH 35 HUDSON LAKE MALLALIEU BRIDGE

PROPOSED SIGNAL TIMINGS (SEC.)				
PHASE 1 SOUTH ST WB	PHASE 2 NORTH ST EB	PHASE 3 SHOP RD WB	PHASE 4 DIVISION ST EB/WB	PROGRAM TYPE
10	5	8	10	MINIMUM GREEN TIME
5	5	5	5	MAXIMUM PASSAGE TIME DURING GREEN PHASE
3	3	3	3	MINIMUM PASSAGE TIME DURING GREEN PHASE
15	15	15	15	START OF REDUCTION OF PASSAGE FROM MAX. TO MIN. DURING GREEN PHASE
0	0	0	0	TIME TO REDUCE PASSAGE FROM MAX. TO MIN. DURING GREEN PHASE
50	25	25	50	MAXIMUM GREEN TIME
4	4	4	4	YELLOW
29	2	40	66	ALL-RED
MIN	NONE	MIN	MIN	RECALL MODE
SIGNALS OPERATE UNDER ACTUATION CONTROL				

CONTRACTOR SHALL REVIEW SIGNALS AFTER PROGRAMMING TO ASSURE THERE IS ADEQUATE TIMING AND THERE ARE NO CONFLICTING MOVEMENTS.

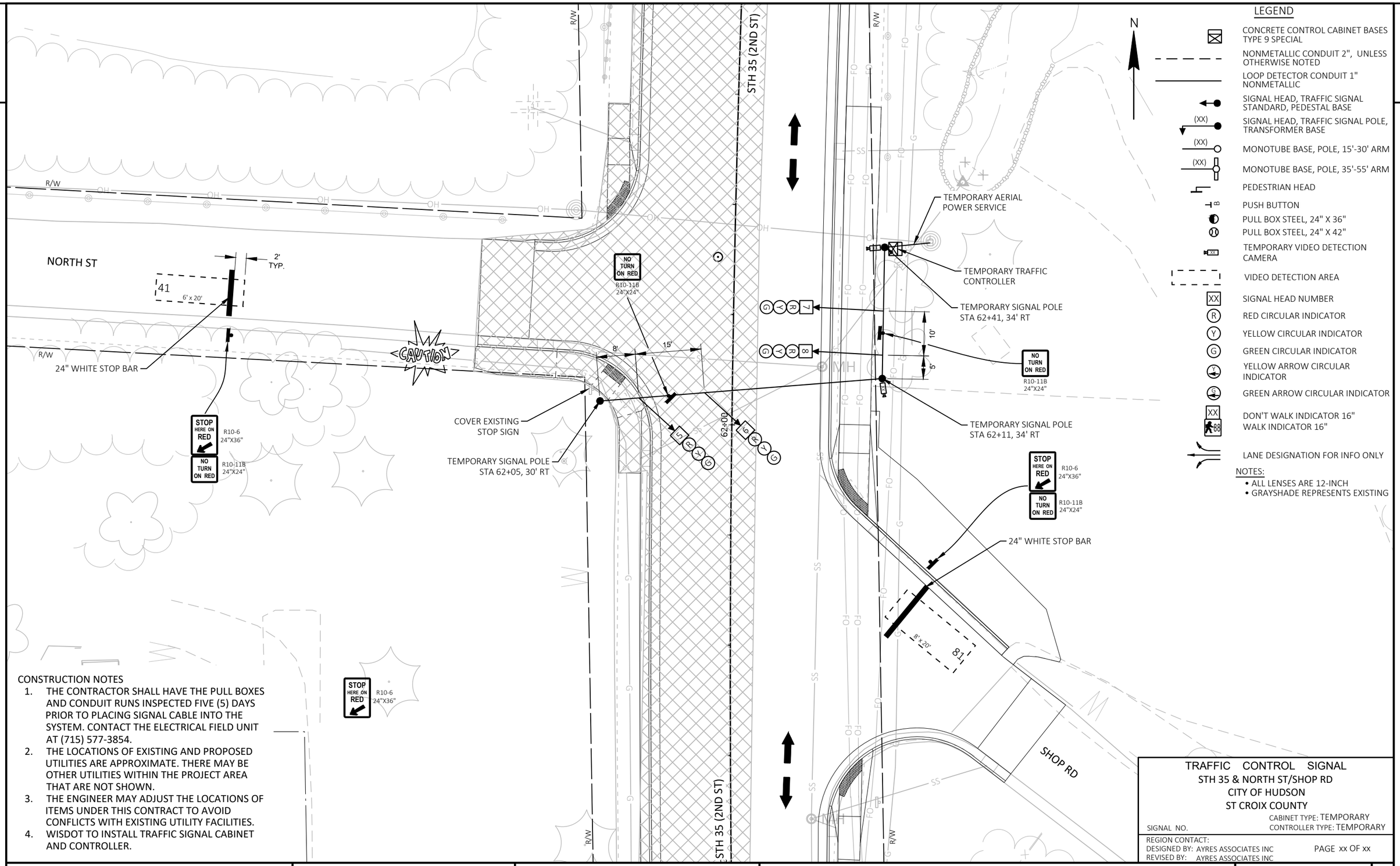
IF THERE ARE QUESTIONS REGARDING THE TIMINGS PLEASE CONTACT TRAFFIC ENGINEER

TRAFFIC CONTROL SIGNAL
STH 35 & DIVISION ST
CITY OF HUDSON
ST CROIX COUNTY

CABINET TYPE: TEMPORARY
SIGNAL NO. CONTROLLER TYPE: TEMPORARY

REGION CONTACT:
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC

PAGE xx OF xx



LEGEND

- CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
- 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
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- PB PUSH BUTTON
- PULL BOX STEEL, 24" X 36"
- PULL BOX STEEL, 24" X 42"
- XX TEMPORARY VIDEO DETECTION CAMERA
- VIDEO DETECTION AREA
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- YELLOW ARROW CIRCULAR INDICATOR
- GREEN ARROW CIRCULAR INDICATOR
- XX DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

CONSTRUCTION NOTES
1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED FIVE (5) DAYS PRIOR TO PLACING SIGNAL CABLE INTO THE SYSTEM. CONTACT THE ELECTRICAL FIELD UNIT AT (715) 577-3854.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
3. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICTS WITH EXISTING UTILITY FACILITIES.
4. WISDOT TO INSTALL TRAFFIC SIGNAL CABINET AND CONTROLLER.

TRAFFIC CONTROL SIGNAL
STH 35 & NORTH ST/SHOP RD
CITY OF HUDSON
ST CROIX COUNTY

SIGNAL NO.
CABINET TYPE: TEMPORARY
CONTROLLER TYPE: TEMPORARY

REGION CONTACT:
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC

PAGE xx OF xx

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY TRAFFIC SIGNAL PLAN - NORTH ST - STAGE 3	SHEET 208	E

NORTH ST

R/W

OH

STH 35 (2ND ST)

2' TYP.

NO TURN ON RED
R10-11B
24"X24"

41
6' x 20'

CAUTION

24" WHITE STOP BAR

COVER EXISTING STOP SIGN

8'

15'

TEMPORARY SIGNAL POLE
STA 62+05, 30' RT

62+00

TEMPORARY AERIAL
POWER SERVICE

TEMPORARY TRAFFIC
CONTROLLER

TEMPORARY SIGNAL POLE
STA 62+41, 34' RT

10'

5'

TEMPORARY SIGNAL POLE
STA 62+11, 34' RT

SS

FO

MH

61+00

STH 35 (2ND ST)

SHOP RD

STOP HERE ON RED
R10-6
24"X36"

NO TURN ON RED
R10-11B
24"X24"

24" WHITE STOP BAR

8' x 20'

41

N

LEGEND

- CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
- 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
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD
- B PUSH BUTTON
- PULL BOX STEEL, 24" X 36"
- PULL BOX STEEL, 24" X 42"
- XX TEMPORARY VIDEO DETECTION CAMERA
- VIDEO DETECTION AREA
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- YELLOW ARROW CIRCULAR INDICATOR
- GREEN ARROW CIRCULAR INDICATOR
- XX DON'T WALK INDICATOR 16"
  88 WALK INDICATOR 16"
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

CONSTRUCTION NOTES
1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED FIVE (5) DAYS PRIOR TO PLACING SIGNAL CABLE INTO THE SYSTEM. CONTACT THE ELECTRICAL FIELD UNIT AT (715) 577-3854.
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3. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICTS WITH EXISTING UTILITY FACILITIES.

TRAFFIC CONTROL SIGNAL
STH 35 & NORTH ST/SHOP RD
CITY OF HUDSON
ST CROIX COUNTY

CABINET TYPE: TEMPORARY
SIGNAL NO. CONTROLLER TYPE: TEMPORARY

REGION CONTACT:
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC

PAGE xx OF xx

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY TRAFFIC SIGNAL PLAN - NORTH ST - STAGE 4	SHEET 209	E

FILE NAME : C:\WORK FROM HOME\41079110 - STH 35 - HUDSON\C3D\SHEETSPLAN\025100_TC TEMP SIGNALS.DWG
LAYOUT NAME - North St - STAGE 4
PLOT DATE : 9/3/2020 12:36 PM PLOT BY : MUENCH, DOUGLAS PLOT NAME : PLOT SCALE : ##########

2

8080-07-70 STH 35 HUDSON LAKE MALLALIEU BRIDGE

PROPOSED SIGNAL TIMINGS (SEC.)				
PHASE 1 SOUTH ST WB	PHASE 2 NORTH ST EB	PHASE 3 SHOP RD WB	PHASE 4 DIVISION ST EB/WB	PROGRAM TYPE
10	5	8	10	MINIMUM GREEN TIME
5	5	5	5	MAXIMUM PASSAGE TIME DURING GREEN PHASE
3	3	3	3	MINIMUM PASSAGE TIME DURING GREEN PHASE
15	15	15	15	START OF REDUCTION OF PASSAGE FROM MAX. TO MIN. DURING GREEN PHASE
0	0	0	0	TIME TO REDUCE PASSAGE FROM MAX. TO MIN. DURING GREEN PHASE
50	25	25	50	MAXIMUM GREEN TIME
4	4	4	4	YELLOW
29	2	40	66	ALL-RED
MIN	NONE	MIN	MIN	RECALL MODE
SIGNALS OPERATE UNDER ACTUATION CONTROL				

CONTRACTOR SHALL REVIEW SIGNALS AFTER PROGRAMMING TO ASSURE THERE IS ADEQUATE TIMING AND THERE ARE NO CONFLICTING MOVEMENTS.

IF THERE ARE QUESTIONS REGARDING THE TIMINGS PLEASE CONTACT TRAFFIC ENGINEER

TRAFFIC CONTROL SIGNAL
STH 35 & NORTH ST/SHOP RD
CITY OF HUDSON
ST CROIX COUNTY

SIGNAL NO.

CABINET TYPE: TEMPORARY
CONTROLLER TYPE: TEMPORARY

REGION CONTACT:
DESIGNED BY: AYRES ASSOCIATES INC
REVISED BY: AYRES ASSOCIATES INC

PAGE xx OF xx

2

2

MARKING LEGEND

MWE	MARKING LINE EPOXY 4-INCH (SINGLE WHITE)
MYE	MARKING LINE EPOXY 4-INCH (SINGLE YELLOW)
MDYE	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
MSYE	MARKING LINE EPOXY 4-INCH (SKIPS, YELLOW)
MSWE	MARKING LINE EPOXY 4-INCH (SKIPS, WHITE)
MCWE24	MARKING CROSSWALK EPOXY BLOCK STYLE, 24-INCH (WHITE)
MCWGE	MARKING CROSSWALK GROOVED EPOXY LADDER PATTERN 36-INCH (WHITE)
MCWET	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
MCE	MARKING CURB EPOXY (YELLOW)
MAE	MARKING ARROW EPOXY (TYPE 2, WHITE)
MSLE	MARKING STOP LINE EPOXY 18-INCH (WHITE)
MWOE	MARKING WORD EPOXY (WHITE)
MSE	MARKING SYMBOL EPOXY (WHITE)
MDE12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
MWE8	MARKING LINE EPOXY 8-INCH (WHITE)
MPSE	MARKING PARKING STALL EPOXY

301+00BL

MDYE
MSWE
MDE12
MDYE
MSWE

202+00 203+00 204+00 205+00 206+00 207+00

STH 35/2ND ST

MATCHLINE STA 207+25

SIGN
POST
POST
SIGN
MH
FRONT ST
WATER TREATMENT F

MATCHLINE STA 207+25

MSWE
MDYE
MSWE

208+00 209+00 210+00 211+00 212+00 213+00

STH 35/2ND ST

MATCHLINE STA 213+25

SIGN
MH
WALLS
W
PLANT

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PAVEMENT MARKING	SHEET 211	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024501_pm

PLOT DATE : 11/5/2020 6:08 PM PLOT BY : BRAD BECKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

RIPRAP

N

MSWE

MDYE

214+00

215+00

216+00

217+00

218+00

219+00

STH 35/2ND ST

MDYE

MDE12

MDYE

MSWE

MATCHLINE STA 213+25

MATCHLINE STA 219+25

SIGN

SIGN

MH

FLAG

SIG

MARKING LEGEND

MWE	MARKING LINE EPOXY 4-INCH (SINGLE WHITE)
MYE	MARKING LINE EPOXY 4-INCH (SINGLE YELLOW)
MDYE	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
MSYE	MARKING LINE EPOXY 4-INCH (SKIPS, YELLOW)
MSWE	MARKING LINE EPOXY 4-INCH (SKIPS, WHITE)
MCWE24	MARKING CROSSWALK EPOXY BLOCK STYLE, 24-INCH (WHITE)
MCWGE	MARKING CROSSWALK GROOVED EPOXY LADDER PATTERN 36-INCH (WHITE)
MCWET	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
MCE	MARKING CURB EPOXY (YELLOW)
MAE	MARKING ARROW EPOXY (TYPE 2, WHITE)
MSLE	MARKING STOP LINE EPOXY 18-INCH (WHITE)
MWOE	MARKING WORD EPOXY (WHITE)
MSE	MARKING SYMBOL EPOXY (WHITE)
MDE12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
MWE8	MARKING LINE EPOXY 8-INCH (WHITE)
MPSE	MARKING PARKING STALL EPOXY

N

BUCKEYEST

312+00BU

MSLE

MSWE

MDE12

MDYE

220+00

221+00

222+00

223+00

225+00

MDYE

STH 35/2ND ST

MSWE

MAE

MWE8

MAE

MWOE

MWE8

MCWGE

MCE

MSLE

MSLE

MCE

COULEE RD

MATCHLINE STA 219+25

MATCHLINE STA 225+25

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PAVEMENT MARKING	SHEET 212	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024502_pm

PLOT DATE : 11/5/2020 6:08 PM PLOT BY : BRAD BECKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

MCE
MCWGE
MARKING ARROW EPOXY (TYPE 3)
MARKING CHEVRON EPOXY 24-INCH
MARKING ARROW EPOXY (TYPE 3)
MWE8
MWE8
MAE
MSLE
MWOE
MDYE
MAE
MCE
MWE
MCE
MCE
MATCHLINE STA 225+25
MATCHLINE STA 231+25
226+00
227+00
228+00
229+00
230+00
231+00
STH 35/2ND ST
N

MARKING LEGEND

MWE	MARKING LINE EPOXY 4-INCH (SINGLE WHITE)
MYE	MARKING LINE EPOXY 4-INCH (SINGLE YELLOW)
MDYE	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
MSYE	MARKING LINE EPOXY 4-INCH (SKIPS, YELLOW)
MSWE	MARKING LINE EPOXY 4-INCH (SKIPS, WHITE)
MCWE24	MARKING CROSSWALK EPOXY BLOCK STYLE, 24-INCH (WHITE)
MCWGE	MARKING CROSSWALK GROOVED EPOXY LADDER PATTERN 36-INCH (WHITE)
MCWET	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
MCE	MARKING CURB EPOXY (YELLOW)
MAE	MARKING ARROW EPOXY (TYPE 2, WHITE)
MSLE	MARKING STOP LINE EPOXY 18-INCH (WHITE)
MWOE	MARKING WORD EPOXY (WHITE)
MSE	MARKING SYMBOL EPOXY (WHITE)
MDE12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
MWE8	MARKING LINE EPOXY 8-INCH (WHITE)
MPSE	MARKING PARKING STALL EPOXY

WISCONSIN ST
332+00WI
342+00CM
COMERCIAL ST
343+00CM
MCE
MSLE
MCE
MPSE
MCE
MCE
MSLE
MCE
MDYE
MDYE
MCWGE
MCE
MCE
MCE
MSLE
MCWGE
MDYE
MATCHLINE STA 231+25
MATCHLINE STA 237+25
232+00
233+00
234+00
235+00
236+00
237+00
STH 35/2ND ST
N

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PAVEMENT MARKING	SHEET 213	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024503_pm
PLOT DATE : 11/5/2020 6:08 PM
PLOT BY : BRAD BECKER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

2

MATCHLINE STA 237+25

MATCHLINE STA 18+25

MATCHLINE STA 18+25

MATCHLINE STA 24+25

352+00WA

WALNUT ST

362+00LO

LOCUST ST

353+00WA

363+00LO

372+00VI

VINE ST

373+00VI

STH 35/2ND ST

238+00

239+00

240+00

241+00

242+00

18+00

19+00

20+00

21+00

22+00

23+00

24+00

MSLE

MCE

MPSE (TYP)

MDYE

MCWGE

MARKING ARROW EPOXY (TYPE 3, WHITE)

MWE8

MARKING LEGEND

MWE	MARKING LINE EPOXY 4-INCH (SINGLE WHITE)
MYE	MARKING LINE EPOXY 4-INCH (SINGLE YELLOW)
MDYE	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
MSYE	MARKING LINE EPOXY 4-INCH (SKIPS, YELLOW)
MSWE	MARKING LINE EPOXY 4-INCH (SKIPS, WHITE)
MCWE24	MARKING CROSSWALK EPOXY BLOCK STYLE, 24-INCH (WHITE)
MCWGE	MARKING CROSSWALK GROOVED EPOXY LADDER PATTERN 36-INCH (WHITE)
MCWET	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
MCE	MARKING CURB EPOXY (YELLOW)
MAE	MARKING ARROW EPOXY (TYPE 2, WHITE)
MSLE	MARKING STOP LINE EPOXY 18-INCH (WHITE)
MWOE	MARKING WORD EPOXY (WHITE)
MSE	MARKING SYMBOL EPOXY (WHITE)
MDE12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
MWE8	MARKING LINE EPOXY 8-INCH (WHITE)
MPSE	MARKING PARKING STALL EPOXY

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PAVEMENT MARKING	SHEET 214 E

2

2

MATCHLINE STA 24+25

MATCHLINE STA 30+25

MATCHLINE STA 30+25

MATCHLINE STA 36+25

25+00 26+00 27+00 28+00 29+00 30+00

31+00 32+00 33+00 34+00 35+00 36+00

STH 35/2ND ST

STH 35/2ND ST

MSLE

MCE

MDYE

MCWE24

ELM ST

ORANGE ST

MYRTLE ST

N

N

SIGN

MH

W

MARKING LEGEND

MWE	MARKING LINE EPOXY 4-INCH (SINGLE WHITE)
MYE	MARKING LINE EPOXY 4-INCH (SINGLE YELLOW)
MDYE	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
MSYE	MARKING LINE EPOXY 4-INCH (SKIPS, YELLOW)
MSWE	MARKING LINE EPOXY 4-INCH (SKIPS, WHITE)
MCWE24	MARKING CROSSWALK EPOXY BLOCK STYLE, 24-INCH (WHITE)
MCWGE	MARKING CROSSWALK GROOVED EPOXY LADDER PATTERN 36-INCH (WHITE)
MCWET	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
MCE	MARKING CURB EPOXY (YELLOW)
MAE	MARKING ARROW EPOXY (TYPE 2, WHITE)
MSLE	MARKING STOP LINE EPOXY 18-INCH (WHITE)
MWOE	MARKING WORD EPOXY (WHITE)
MSE	MARKING SYMBOL EPOXY (WHITE)
MDE12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
MWE8	MARKING LINE EPOXY 8-INCH (WHITE)
MPSE	MARKING PARKING STALL EPOXY

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PAVEMENT MARKING	SHEET 215 E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024505_pm

PLOT DATE : 11/5/2020 6:09 PM PLOT BY : BRAD BECKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

MATCHLINE STA 36+25

MATCHLINE STA 42+25

MATCHLINE STA 42+25

MATCHLINE STA 48+25

STH 35/2ND ST

ST CROIX ST

RIVER ST

N

MCE

MDYE

MARKING ISLAND NOSE EPOXY

MSLE

MWOE

MCWE24

MAE

MSE

MWE

37+00

38+00

39+00

40+00

41+00

42+00

43+00

44+00

45+00

46+00

47+00

48+00

MARKING LEGEND

MWE	MARKING LINE EPOXY 4-INCH (SINGLE WHITE)
MYE	MARKING LINE EPOXY 4-INCH (SINGLE YELLOW)
MDYE	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
MSYE	MARKING LINE EPOXY 4-INCH (SKIPS, YELLOW)
MSWE	MARKING LINE EPOXY 4-INCH (SKIPS, WHITE)
MCWE24	MARKING CROSSWALK EPOXY BLOCK STYLE, 24-INCH (WHITE)
MCWGE	MARKING CROSSWALK GROOVED EPOXY LADDER PATTERN 36-INCH (WHITE)
MCWET	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
MCE	MARKING CURB EPOXY (YELLOW)
MAE	MARKING ARROW EPOXY (TYPE 2, WHITE)
MSLE	MARKING STOP LINE EPOXY 18-INCH (WHITE)
MWOE	MARKING WORD EPOXY (WHITE)
MSE	MARKING SYMBOL EPOXY (WHITE)
MDE12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
MWE8	MARKING LINE EPOXY 8-INCH (WHITE)
MPSE	MARKING PARKING STALL EPOXY

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PAVEMENT MARKING	SHEET 216 E

2

2

MATCHLINE STA 48+25

MATCHLINE STA 54+25

MATCHLINE STA 54+25

MATCHLINE STA 60+25

MSLE

MAE

MSE

MWE

MDYE

MH

MCWE24

DIVISION ST

49+00

50+00

51+00

52+00

53+00

54+00

55+00

56+00

57+00

58+00

59+00

60+00

N

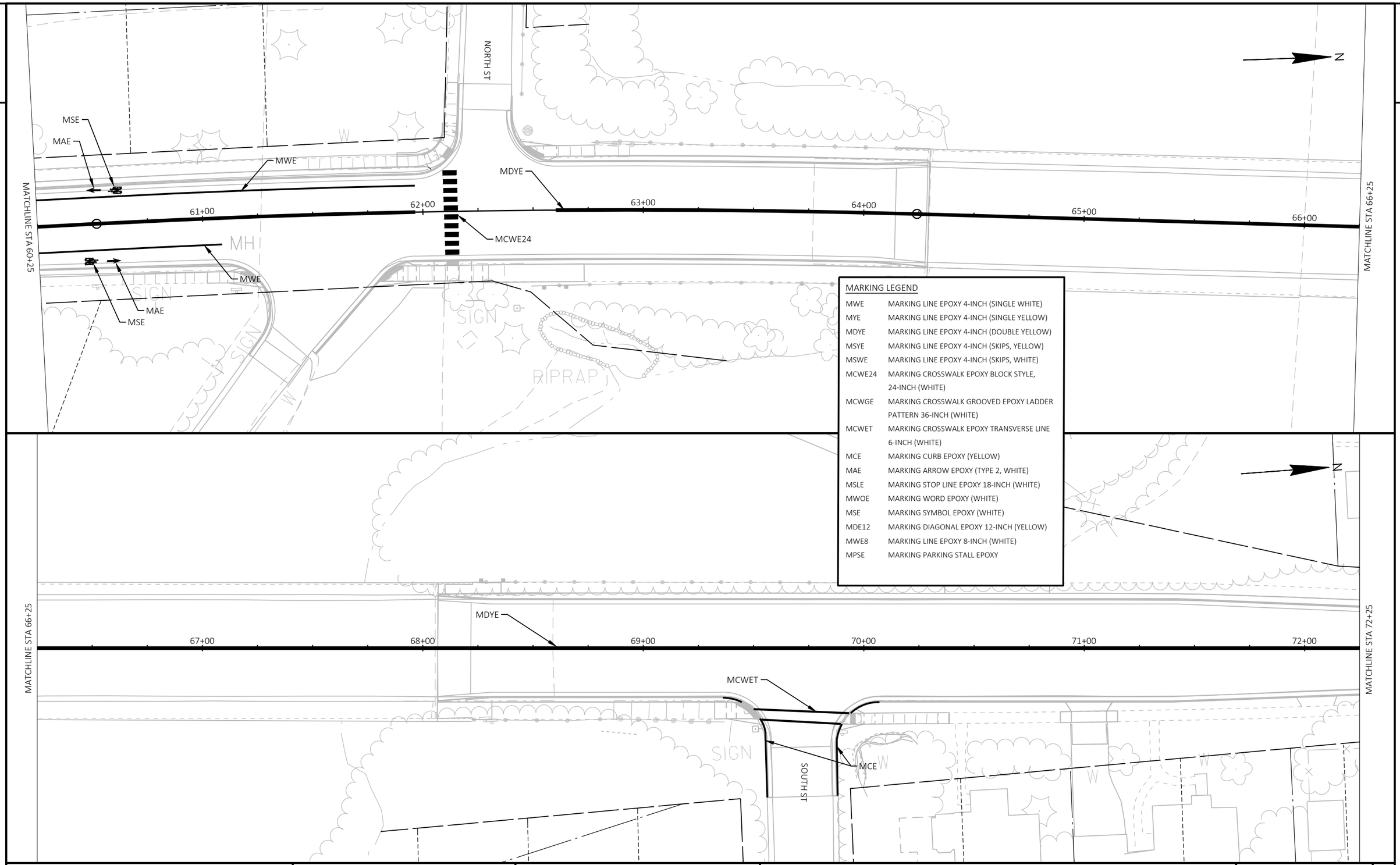
MARKING LEGEND

MWE	MARKING LINE EPOXY 4-INCH (SINGLE WHITE)
MYE	MARKING LINE EPOXY 4-INCH (SINGLE YELLOW)
MDYE	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
MSYE	MARKING LINE EPOXY 4-INCH (SKIPS, YELLOW)
MSWE	MARKING LINE EPOXY 4-INCH (SKIPS, WHITE)
MCWE24	MARKING CROSSWALK EPOXY BLOCK STYLE, 24-INCH (WHITE)
MCWGE	MARKING CROSSWALK GROOVED EPOXY LADDER PATTERN 36-INCH (WHITE)
MCWET	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
MCE	MARKING CURB EPOXY (YELLOW)
MAE	MARKING ARROW EPOXY (TYPE 2, WHITE)
MSLE	MARKING STOP LINE EPOXY 18-INCH (WHITE)
MWOE	MARKING WORD EPOXY (WHITE)
MSE	MARKING SYMBOL EPOXY (WHITE)
MDE12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
MWE8	MARKING LINE EPOXY 8-INCH (WHITE)
MPSE	MARKING PARKING STALL EPOXY

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PAVEMENT MARKING	SHEET 217	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024507_pm
PLOT DATE : 11/5/2020 6:09 PM
PLOT BY : BRAD BECKER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2



MARKING LEGEND

MWE	MARKING LINE EPOXY 4-INCH (SINGLE WHITE)
MYE	MARKING LINE EPOXY 4-INCH (SINGLE YELLOW)
MDYE	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
MSYE	MARKING LINE EPOXY 4-INCH (SKIPS, YELLOW)
MSWE	MARKING LINE EPOXY 4-INCH (SKIPS, WHITE)
MCWE24	MARKING CROSSWALK EPOXY BLOCK STYLE, 24-INCH (WHITE)
MCWGE	MARKING CROSSWALK GROOVED EPOXY LADDER PATTERN 36-INCH (WHITE)
MCWET	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
MCE	MARKING CURB EPOXY (YELLOW)
MAE	MARKING ARROW EPOXY (TYPE 2, WHITE)
MSLE	MARKING STOP LINE EPOXY 18-INCH (WHITE)
MWOE	MARKING WORD EPOXY (WHITE)
MSE	MARKING SYMBOL EPOXY (WHITE)
MDE12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
MWE8	MARKING LINE EPOXY 8-INCH (WHITE)
MPSE	MARKING PARKING STALL EPOXY

2

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PAVEMENT MARKING	SHEET 218	E

2

2

MATCHLINE STA 72+25

MATCHLINE STA 78+25

MATCHLINE STA 78+25

MATCHLINE STA 84+25

MCE

MDYE

MDYE

MCWET

MCWE24

MSLE

MCE

WISCONSIN ST N

MWE

MDYE

MDYE

MCWE24

MWE

ST CROIX ST N

MSLE

MCE

MAE

MCWE24

MCWET

MWE8

MSLE

MCE

MONROE ST N

73+00 74+00 75+00 76+00 77+00 78+00

79+00 80+00 81+00 82+00 84+00

MH MH MH MH

POOL

N

N

MARKING LEGEND

MWE	MARKING LINE EPOXY 4-INCH (SINGLE WHITE)
MYE	MARKING LINE EPOXY 4-INCH (SINGLE YELLOW)
MDYE	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
MSYE	MARKING LINE EPOXY 4-INCH (SKIPS, YELLOW)
MSWE	MARKING LINE EPOXY 4-INCH (SKIPS, WHITE)
MCWE24	MARKING CROSSWALK EPOXY BLOCK STYLE, 24-INCH (WHITE)
MCWGE	MARKING CROSSWALK GROOVED EPOXY LADDER PATTERN 36-INCH (WHITE)
MCWET	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
MCE	MARKING CURB EPOXY (YELLOW)
MAE	MARKING ARROW EPOXY (TYPE 2, WHITE)
MSLE	MARKING STOP LINE EPOXY 18-INCH (WHITE)
MWOE	MARKING WORD EPOXY (WHITE)
MSE	MARKING SYMBOL EPOXY (WHITE)
MDE12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
MWE8	MARKING LINE EPOXY 8-INCH (WHITE)
MPSE	MARKING PARKING STALL EPOXY

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PAVEMENT MARKING	SHEET 219	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024509_pm

PLOT DATE : 11/5/2020 6:10 PM PLOT BY : BRAD BECKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

MATCHLINE STA 84+25

MATCHLINE STA 90+25

MATCHLINE STA 90+25

MATCHLINE STA 96+25

MONROE ST N

MCE

MCWET

MCE

MWE8

MCWE24

MDYE

MAE

MSLE

MCWET

MCE

85+00

86+00

87+00

88+00

89+00

90+00

91+00

92+00

93+00

94+00

95+00

96+00

MH

MH

MH

MDYE

N

N

A/C

A/C

SIGN

W

FLAG

FLAG

SIGN

FLAG

MARKING LEGEND

MWE	MARKING LINE EPOXY 4-INCH (SINGLE WHITE)
MYE	MARKING LINE EPOXY 4-INCH (SINGLE YELLOW)
MDYE	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
MSYE	MARKING LINE EPOXY 4-INCH (SKIPS, YELLOW)
MSWE	MARKING LINE EPOXY 4-INCH (SKIPS, WHITE)
MCWE24	MARKING CROSSWALK EPOXY BLOCK STYLE, 24-INCH (WHITE)
MCWGE	MARKING CROSSWALK GROOVED EPOXY LADDER PATTERN 36-INCH (WHITE)
MCWET	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
MCE	MARKING CURB EPOXY (YELLOW)
MAE	MARKING ARROW EPOXY (TYPE 2, WHITE)
MSLE	MARKING STOP LINE EPOXY 18-INCH (WHITE)
MWOE	MARKING WORD EPOXY (WHITE)
MSE	MARKING SYMBOL EPOXY (WHITE)
MDE12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
MWE8	MARKING LINE EPOXY 8-INCH (WHITE)
MPSE	MARKING PARKING STALL EPOXY

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PAVEMENT MARKING	SHEET 220	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 0245010_pm

PLOT DATE : 11/5/2020 6:10 PM PLOT BY : BRAD BECKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

MATCHLINE STA 96+25

MATCHLINE STA 102+25

97+00 98+00 99+00 100+00 101+00 102+00

MDYE

MYE

MSYE

MCWE24

MICHAELSON ST N

SIGN

N

MARKING LEGEND

MWE	MARKING LINE EPOXY 4-INCH (SINGLE WHITE)
MYE	MARKING LINE EPOXY 4-INCH (SINGLE YELLOW)
MDYE	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
MSYE	MARKING LINE EPOXY 4-INCH (SKIPS, YELLOW)
MSWE	MARKING LINE EPOXY 4-INCH (SKIPS, WHITE)
MCWE24	MARKING CROSSWALK EPOXY BLOCK STYLE, 24-INCH (WHITE)
MCWGE	MARKING CROSSWALK GROOVED EPOXY LADDER PATTERN 36-INCH (WHITE)
MCWET	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
MCE	MARKING CURB EPOXY (YELLOW)
MAE	MARKING ARROW EPOXY (TYPE 2, WHITE)
MSLE	MARKING STOP LINE EPOXY 18-INCH (WHITE)
MWOE	MARKING WORD EPOXY (WHITE)
MSE	MARKING SYMBOL EPOXY (WHITE)
MDE12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
MWE8	MARKING LINE EPOXY 8-INCH (WHITE)
MPSE	MARKING PARKING STALL EPOXY

MATCHLINE STA 102+25

MATCHLINE STA 108+25

103+00 104+00 105+00 106+00 107+00 108+00

MYE

MSYE

MDYE

MDE12

N

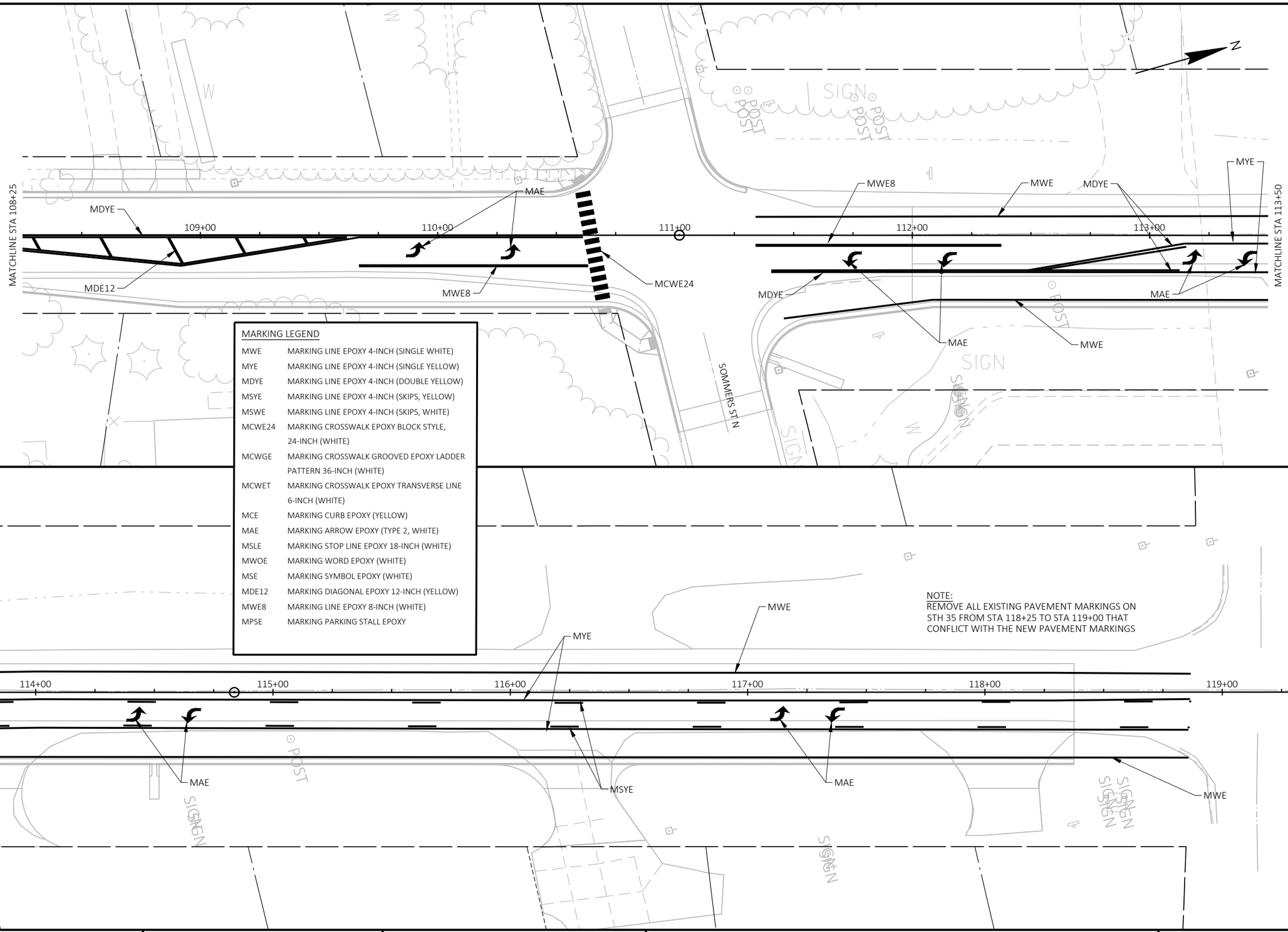
PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PAVEMENT MARKING	SHEET 221	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 0245011_pm

PLOT DATE : 11/5/2020 6:10 PM PLOT BY : BRAD BECKER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



MARKING LEGEND

MWE	MARKING LINE EPOXY 4-INCH (SINGLE WHITE)
MYE	MARKING LINE EPOXY 4-INCH (SINGLE YELLOW)
MDYE	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
MSYE	MARKING LINE EPOXY 4-INCH (SKIPS, YELLOW)
MSWE	MARKING LINE EPOXY 4-INCH (SKIPS, WHITE)
MCWE24	MARKING CROSSWALK EPOXY BLOCK STYLE, 24-INCH (WHITE)
MCWGE	MARKING CROSSWALK GROOVED EPOXY LADDER PATTERN 36-INCH (WHITE)
MCWET	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
MCE	MARKING CURB EPOXY (YELLOW)
MAE	MARKING ARROW EPOXY (TYPE 2, WHITE)
MSLE	MARKING STOP LINE EPOXY 18-INCH (WHITE)
MWOE	MARKING WORD EPOXY (WHITE)
MSE	MARKING SYMBOL EPOXY (WHITE)
MDE12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
MWE8	MARKING LINE EPOXY 8-INCH (WHITE)
MPSE	MARKING PARKING STALL EPOXY

NOTE:
REMOVE ALL EXISTING PAVEMENT MARKINGS ON STH 35 FROM STA 118+25 TO STA 119+00 THAT CONFLICT WITH THE NEW PAVEMENT MARKINGS

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PAVEMENT MARKING	SHEET 222	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 0245012_pm
PLOT DATE : 11/5/2020 6:11 PM
PLOT BY : BRAD BECKER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

GENERAL TRAFFIC CONTROL NOTES:

ALL SIGNS SHALL BE FURNISHED BY THE CONTRACTOR.

SIGN SPACING, SIGN CODES, SIGN SIZES, AND OTHER GENERAL NOTES SHALL BE IN ACCORDANCE WITH THE APPLICABLE SDD'S.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS IS APPROXIMATE AND SHALL BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS WITH APPROVAL BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS NOTED OTHERWISE.

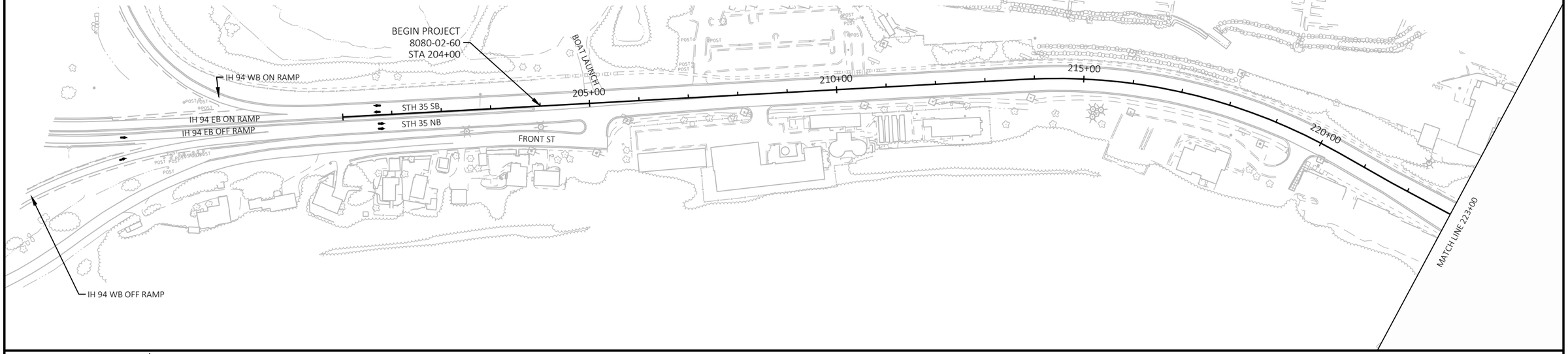
'WO' AND 'MO' ARE THE SAME AS 'W' AND 'M' SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS OR PAVEMENT MARKING, TEMPORARY OR EXISTING, THAT CONFLICT WITH THE STAGE SPECIFIC.

TRAFFIC PATTERN SHALL BE REMOVED OR COVERED WITH APPROVAL BY THE ENGINEER.

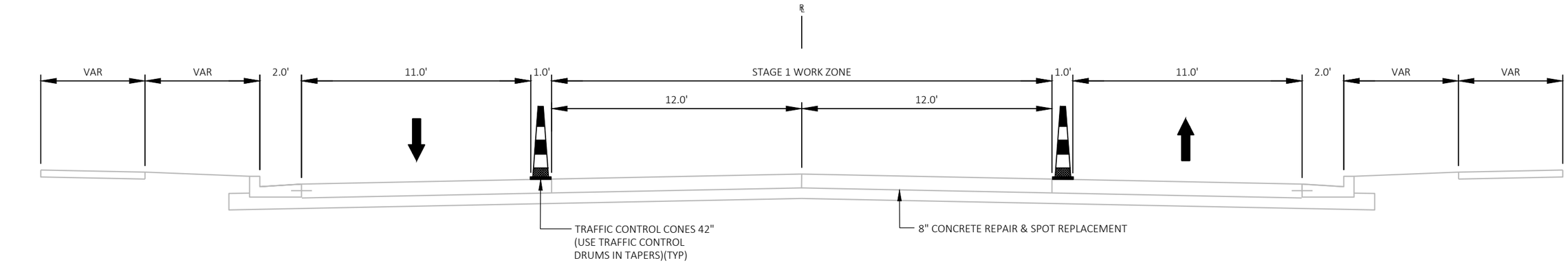
CONSTRUCTION OPERATIONS SHALL NOT CLOSE ADJACENT INTERSECTIONS CONCURRENTLY.

MAINTAIN PEDESTRIAN ACCESS WITHIN PROJECT LIMITS AND WHEN NECESSARY PROVIDE TEMPORARY PEDESTRIAN ACCOMMODATIONS IN ACCORDANCE WITH SDD:TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION.

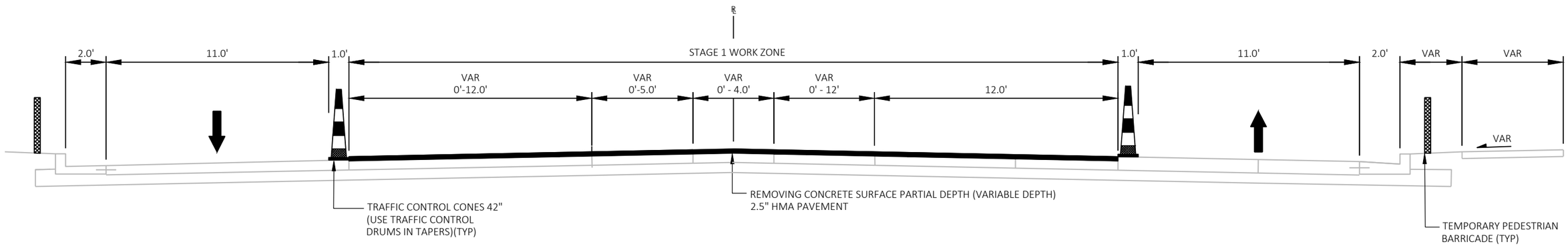


PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	STAGING PLANS - OVERVIEW	SHEET 223	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\SHEET SETS\025100_TC_OV.DWG
LAYOUT NAME - 025100_tc_ov
PLOT DATE : 7/30/2020 9:52 AM
PLOT BY : BEN NESJA
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44



STAGE 1 TYPICAL SECTION
204+00 TO 218+02

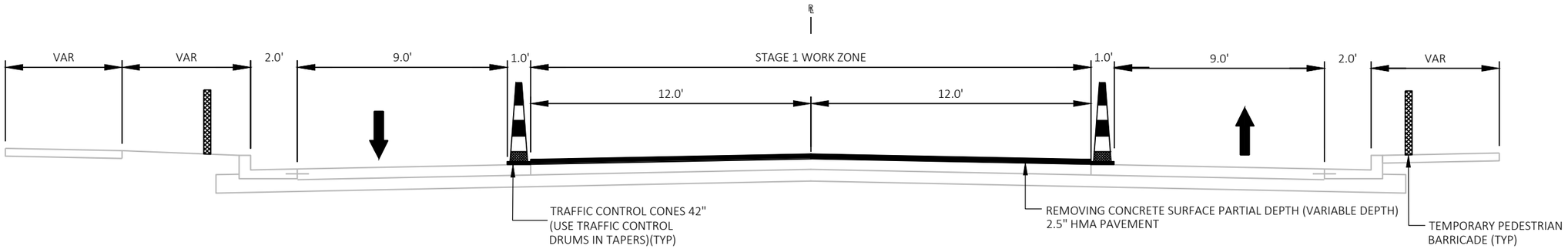


STAGE 1 TYPICAL SECTION
STA 218+02 TO 223+17

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	TRAFFIC CONTROL TYPICAL SECTIONS (STAGE 1)	SHEET 224	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\025100_TC_TS.DWG
LAYOUT NAME - 025101_tc_ts
PLOT DATE : 7/30/2020 9:52 AM
PLOT BY : BEN NESJA
PLOT NAME :
PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

2

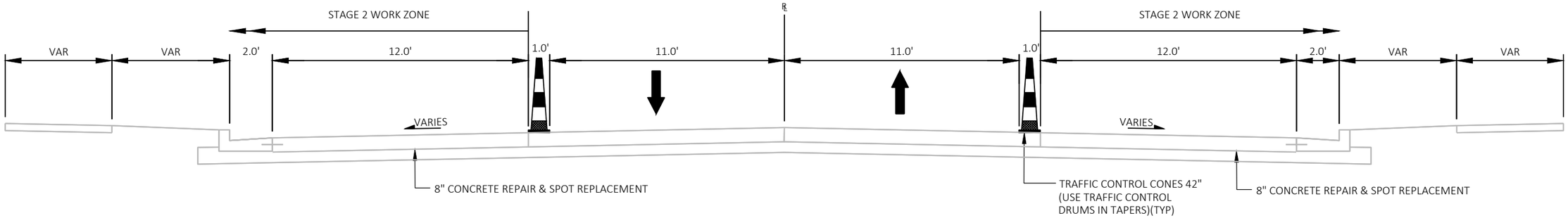


STAGE 1 TYPICAL SECTION
STA 223+17 TO 242+87.90
17+87.90 AHD TO 22+20.80

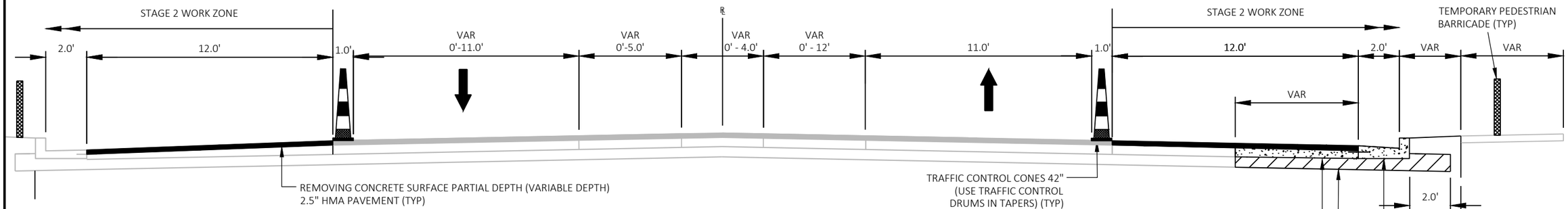
PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	TRAFFIC CONTROL TYPICAL SECTIONS (STAGE 1)	SHEET 225	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\025100_TC_TS.DWG
LAYOUT NAME - 025102_tc_ts
PLOT DATE : 7/30/2020 9:52 AM
PLOT BY : BEN NESJA
PLOT NAME :
PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

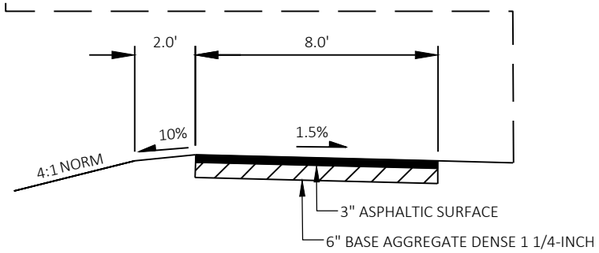
2



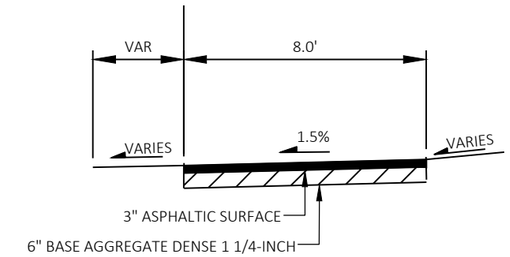
STAGE 2 TYPICAL SECTION
204+00 TO 218+02



STAGE 2 TYPICAL SECTION
STA 218+02 TO 223+17



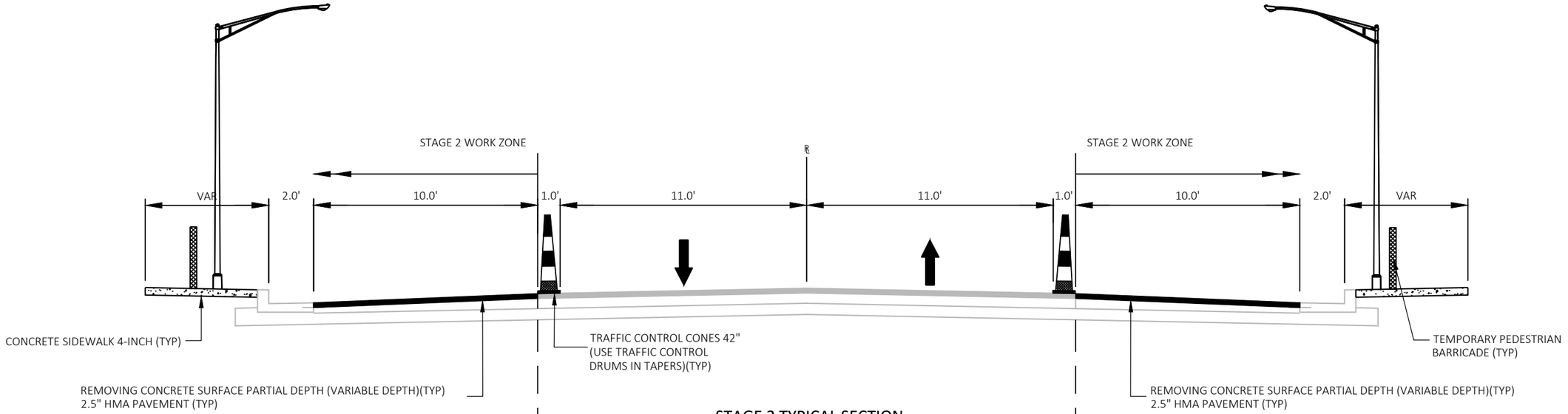
STAGE 2 TYPICAL FINISHED PARTIAL SECTION - SHARED-USE PATH
STA 221+31 TO 224+56



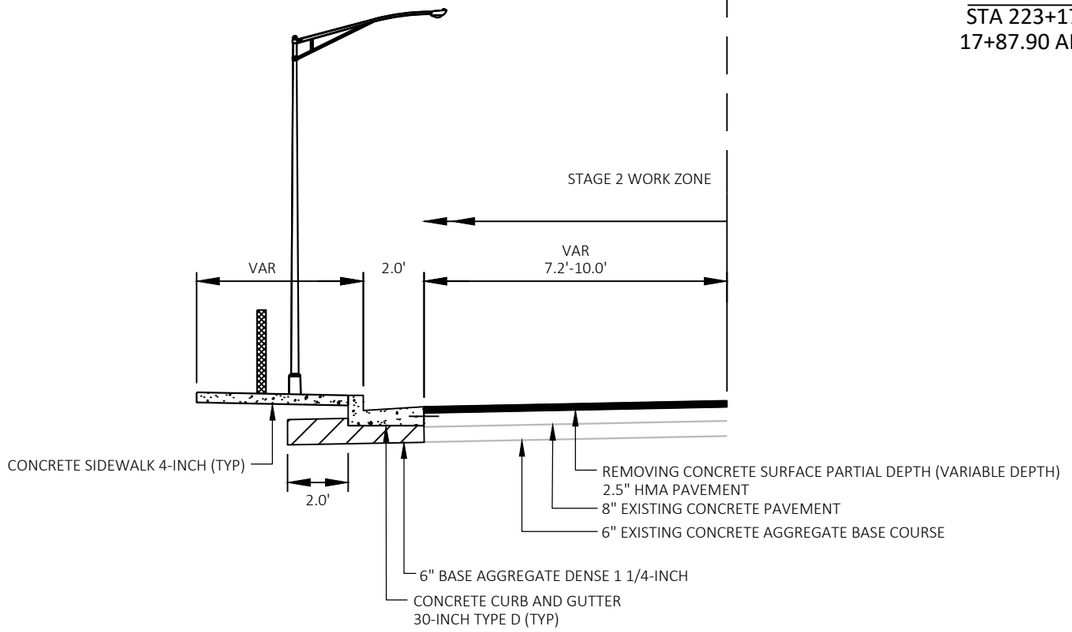
STAGE 2 TYPICAL FINISHED PARTIAL SECTION - SHARED-USE PATH
STA 217+95.00 TO STA 219+22.56

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	TRAFFIC CONTROL TYPICAL SECTIONS (STAGE 2)	SHEET 226	E

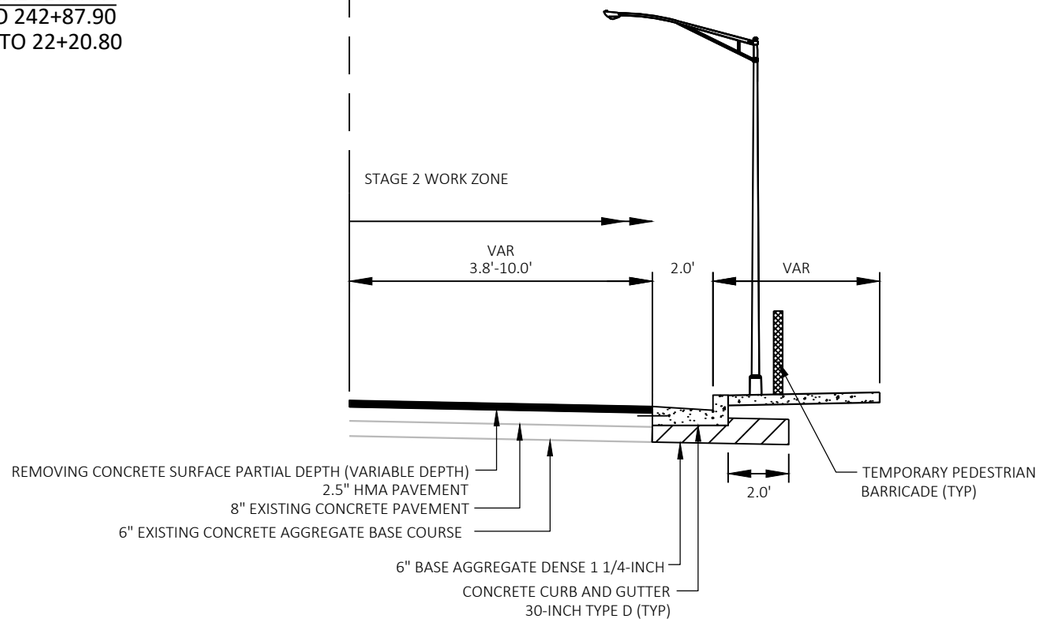
FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\025100_TC_TS.DWG
LAYOUT NAME - 025103_tc_ts
PLOT DATE : 7/30/2020 9:52 AM
PLOT BY : BEN NESJA
PLOT NAME :
PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42



STAGE 2 TYPICAL SECTION
STA 223+17 TO 242+87.90
17+87.90 AHD TO 22+20.80



STAGE 2 TYPICAL PARTIAL SECTION - SB BUMPOUTS
STA 231+92 TO 232+38
STA 242+25 TO 242+75
STA 18+05 TO 18+50

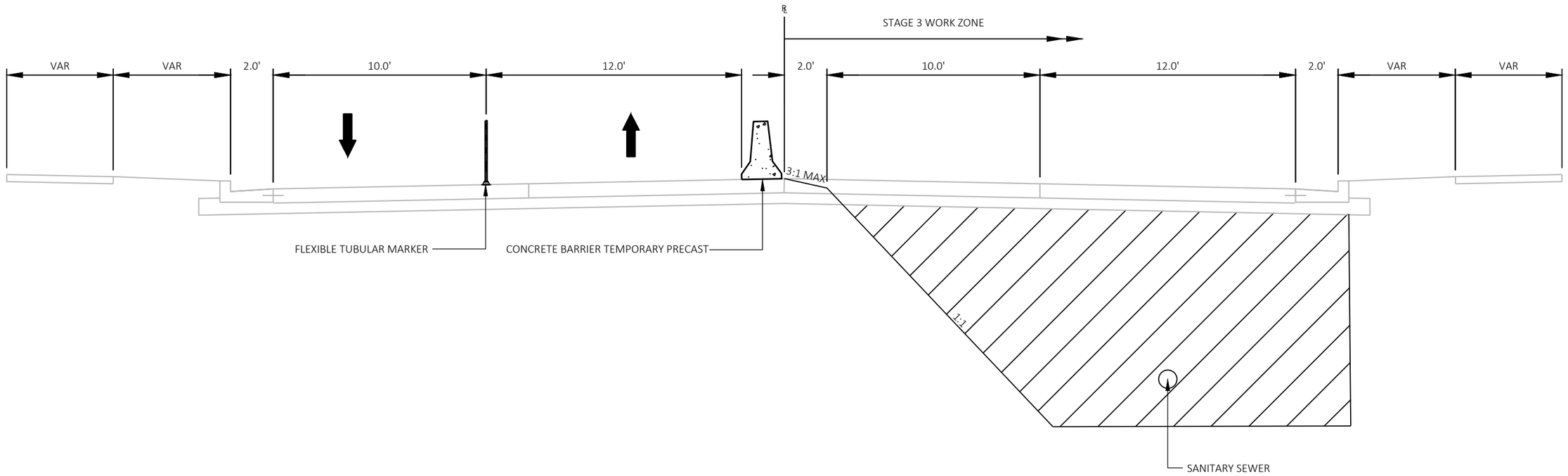


STAGE 2 TYPICAL PARTIAL SECTION - NB BUMPOUTS
STA 231+95 TO 232+35
STA 242+17 TO 242+69
STA 18+10 TO 18+64

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	TRAFFIC CONTROL TYPICAL SECTIONS (STAGE 2)	SHEET 227	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\025100_TC_TS.DWG
LAYOUT NAME - 025104_tc_ts
PLOT DATE : 7/30/2020 9:52 AM
PLOT BY : BEN NESJA
PLOT NAME :
PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

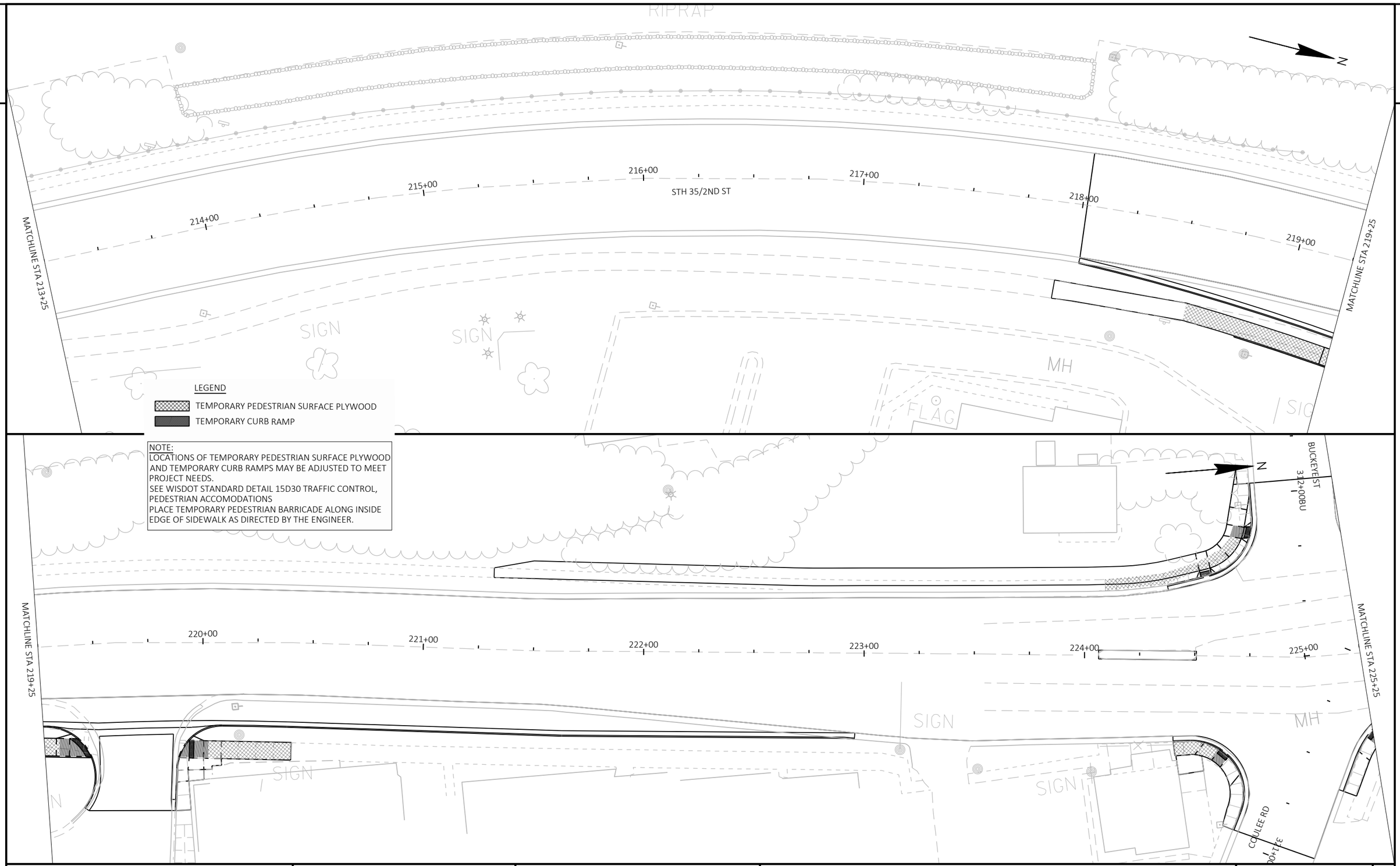
2



STAGE 3 TYPICAL SECTION
204+00 TO 218+02

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	TRAFFIC CONTROL TYPICAL SECTIONS (STAGE 3)	SHEET 228	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\025100_TC_TS.DWG
LAYOUT NAME - 025105_tc_ts
PLOT DATE : 7/30/2020 9:52 AM PLOT BY : BEN NESJA PLOT NAME : PLOT SCALE : 1 IN:5 FT



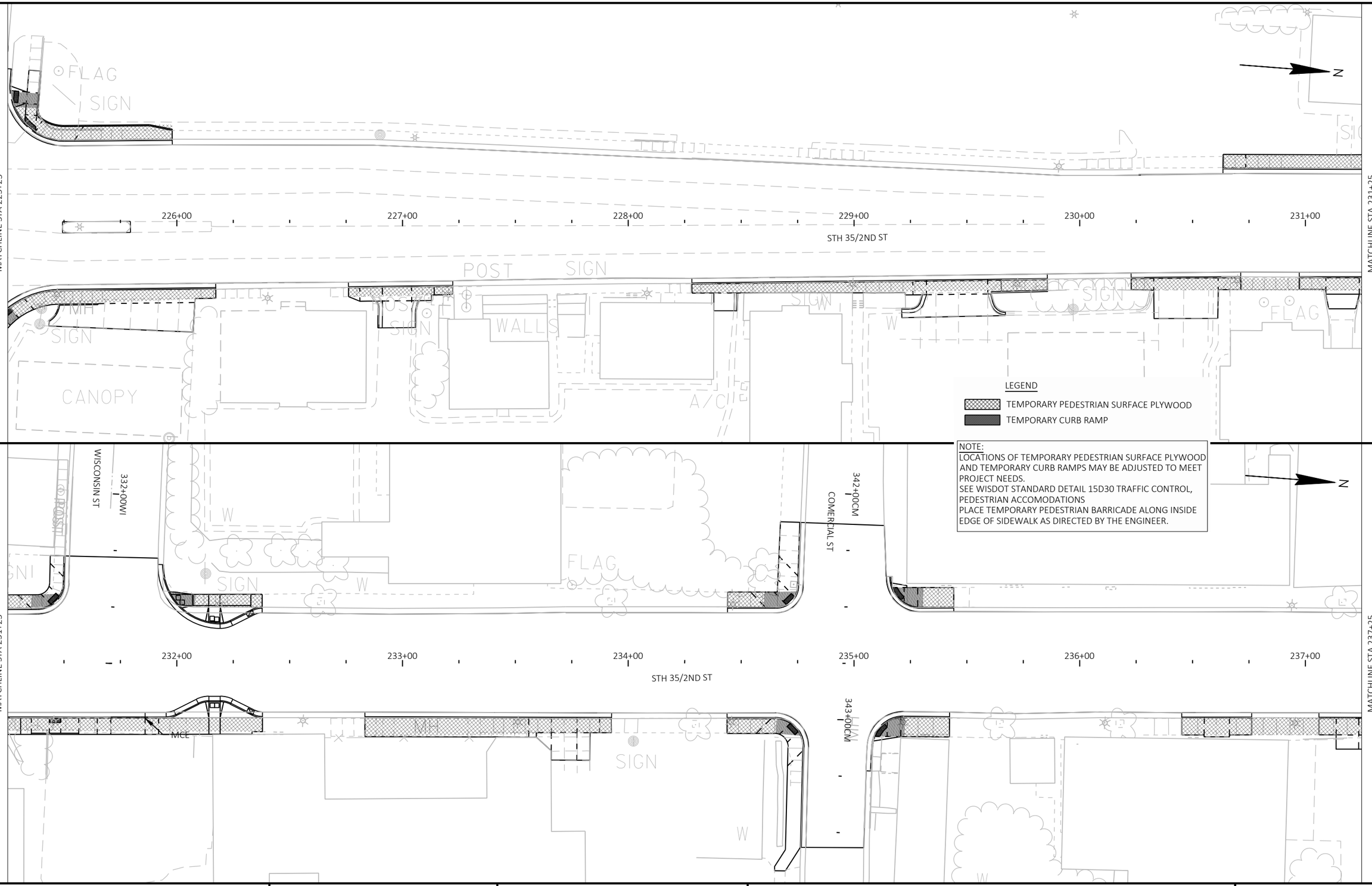
PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY PEDESTRIAN ACCOMODATION PLAN	SHEET 229	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\025102-TC_PED.DWG
LAYOUT NAME - 025102-01-tc_ped

PLOT DATE : 7/30/2020 9:53 AM PLOT BY : BEN NESJA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



2

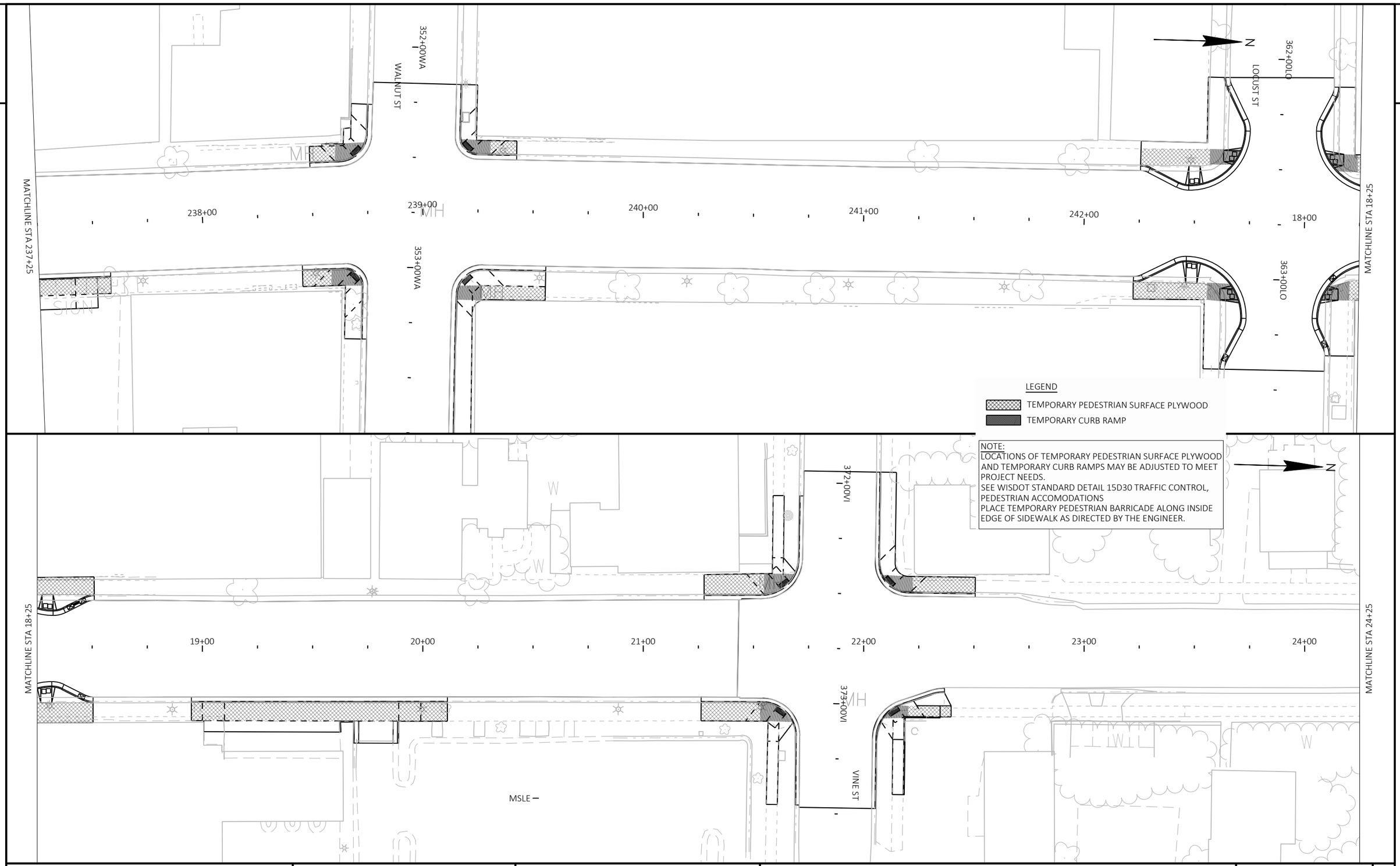
PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY PEDESTRIAN ACCOMODATION PLAN	SHEET 230	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\025102-TC_PED.DWG
LAYOUT NAME - 025102-02-tc_ped

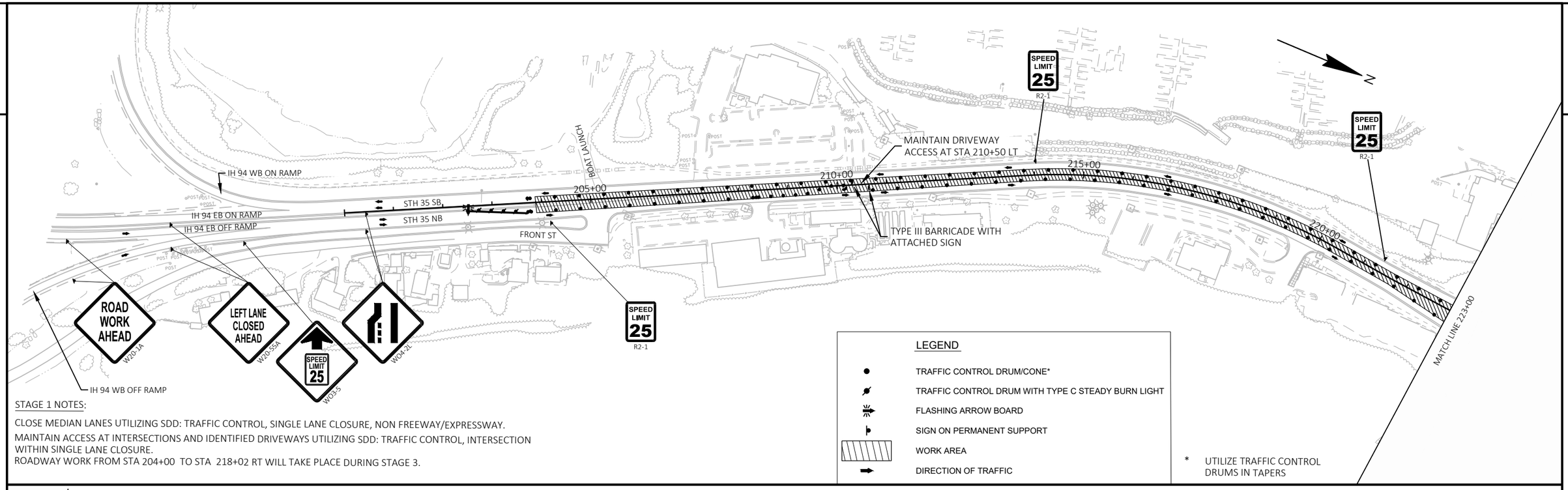
PLOT DATE : 7/30/2020 9:53 AM PLOT BY : BEN NESJA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY PEDESTRIAN ACCOMODATION PLAN	SHEET 231	E

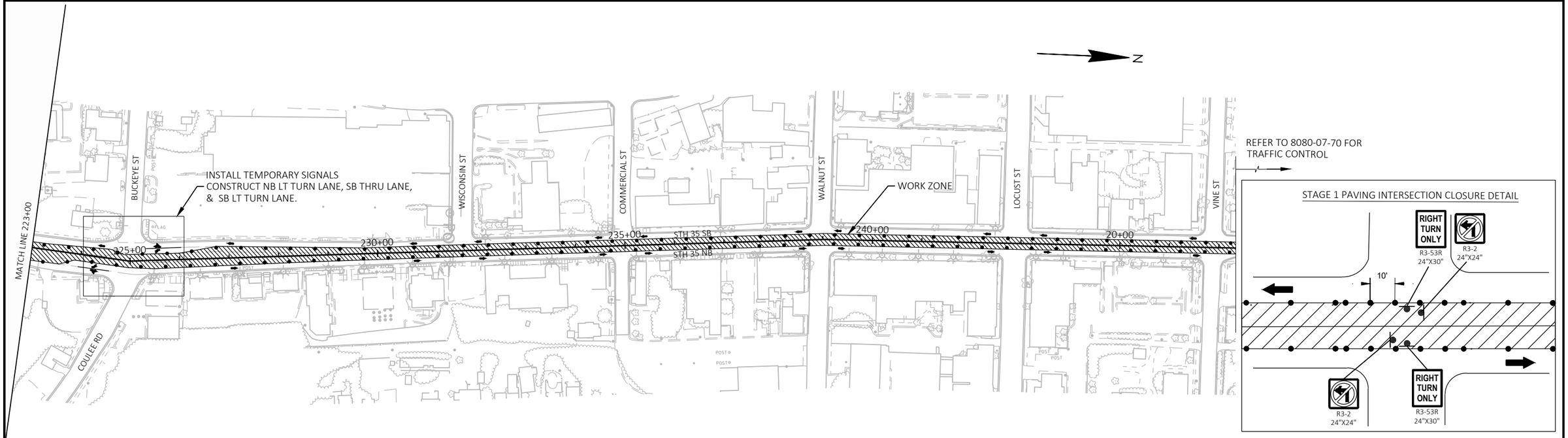


STAGE 1 NOTES:

CLOSE MEDIAN LANES UTILIZING SDD: TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY.

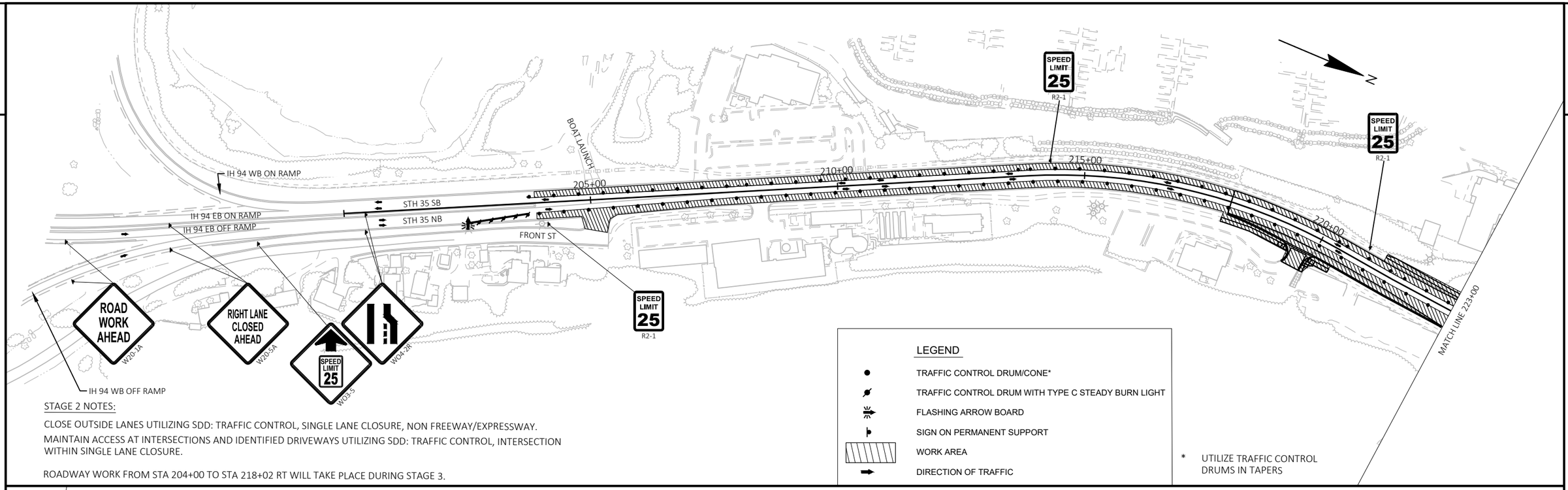
MAINTAIN ACCESS AT INTERSECTIONS AND IDENTIFIED DRIVEWAYS UTILIZING SDD: TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE.

ROADWAY WORK FROM STA 204+00 TO STA 218+02 RT WILL TAKE PLACE DURING STAGE 3.



PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	TRAFFIC CONTROL - STAGE 1	SHEET 232	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\026001_S1.DWG
LAYOUT NAME - 026001_s1
PLOT DATE : 7/30/2020 9:54 AM
PLOT BY : BEN NESJA
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

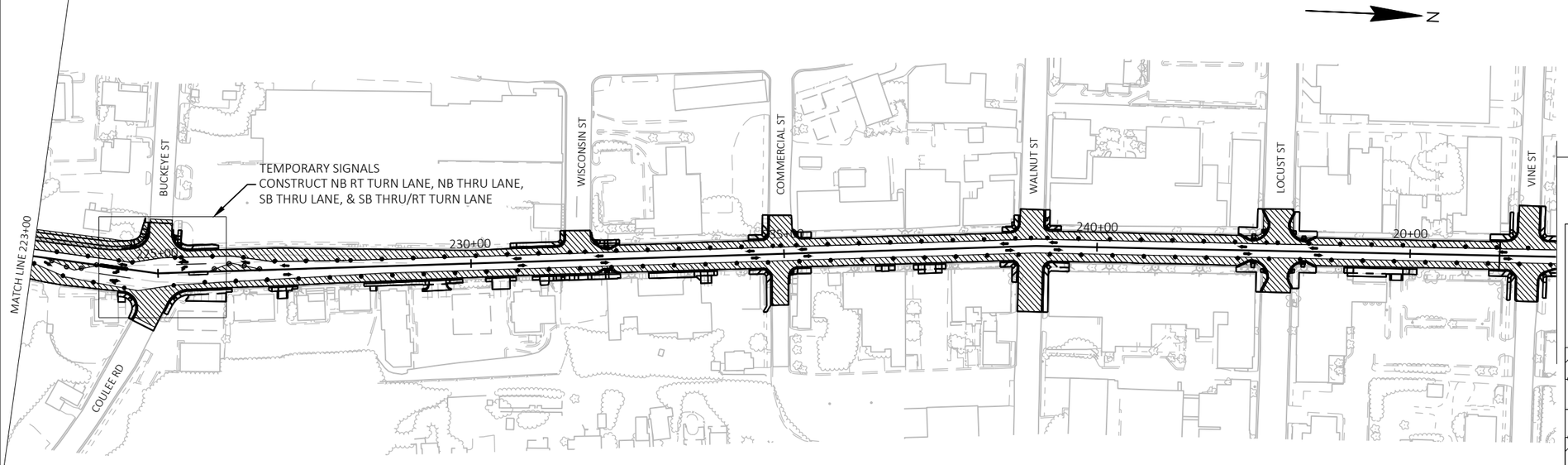


STAGE 2 NOTES:

CLOSE OUTSIDE LANES UTILIZING SDD: TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY.

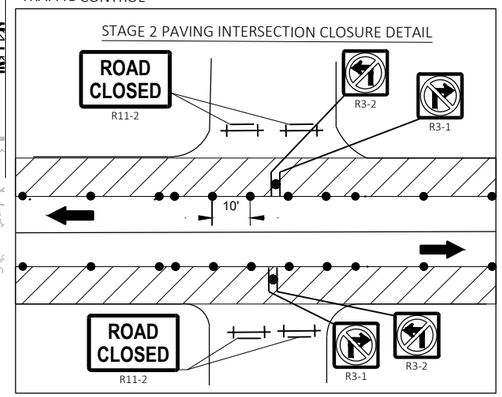
MAINTAIN ACCESS AT INTERSECTIONS AND IDENTIFIED DRIVEWAYS UTILIZING SDD: TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE.

ROADWAY WORK FROM STA 204+00 TO STA 218+02 RT WILL TAKE PLACE DURING STAGE 3.



REFER TO 8080-07-70 FOR TRAFFIC CONTROL

STAGE 2 PAVING INTERSECTION CLOSURE DETAIL



PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	TRAFFIC CONTROL - STAGE 2	SHEET 233	E

STAGE 3 NOTES:

CLOSE OUTSIDE LANES UTILIZING SDD: TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON FREEWAY/EXPRESSWAY.

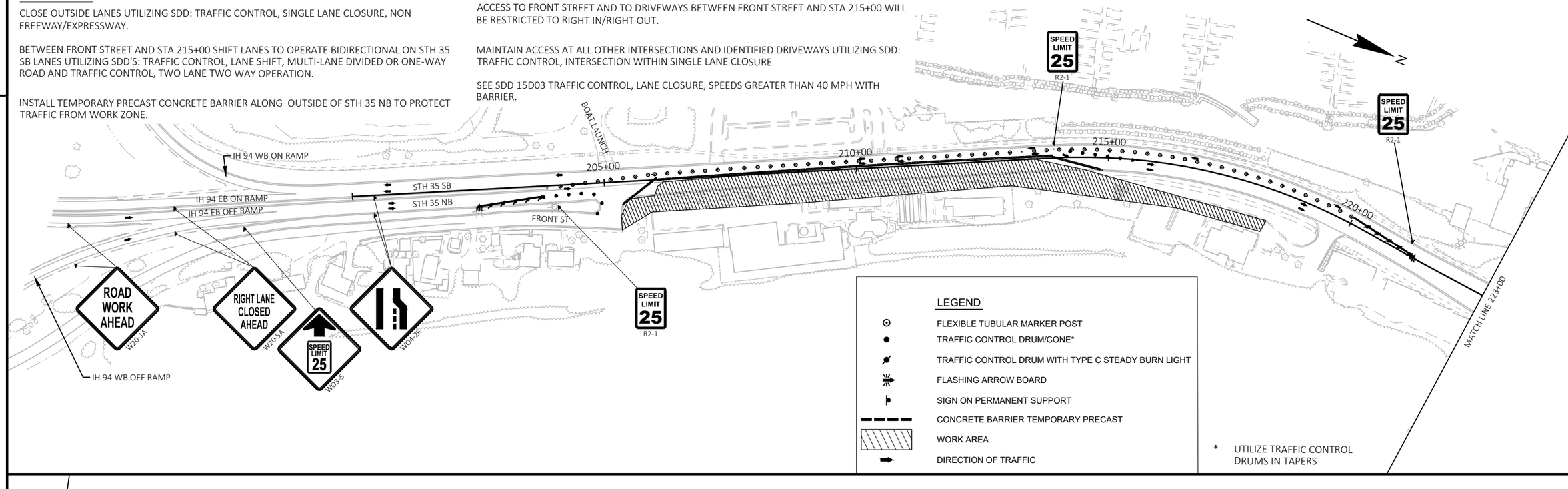
BETWEEN FRONT STREET AND STA 215+00 SHIFT LANES TO OPERATE BIDIRECTIONAL ON STH 35 SB LANES UTILIZING SDD'S: TRAFFIC CONTROL, LANE SHIFT, MULTI-LANE DIVIDED OR ONE-WAY ROAD AND TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION.

INSTALL TEMPORARY PRECAST CONCRETE BARRIER ALONG OUTSIDE OF STH 35 NB TO PROTECT TRAFFIC FROM WORK ZONE.

ACCESS TO FRONT STREET AND TO DRIVEWAYS BETWEEN FRONT STREET AND STA 215+00 WILL BE RESTRICTED TO RIGHT IN/RIGHT OUT.

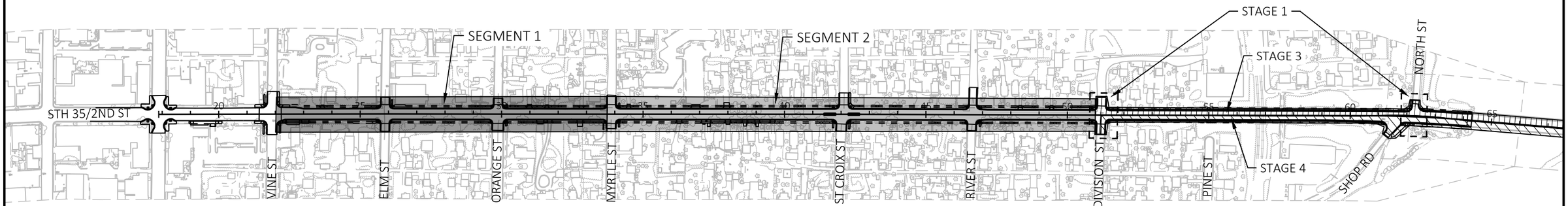
MAINTAIN ACCESS AT ALL OTHER INTERSECTIONS AND IDENTIFIED DRIVEWAYS UTILIZING SDD: TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE

SEE SDD 15D03 TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 MPH WITH BARRIER.



PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	TRAFFIC CONTROL - STAGE 3	SHEET 234	E

SEE SDD'S "BARRICADES AND SIGNS FOR MAINLINE CLOSURES", "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES", AND "TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS" FOR ADDITIONAL INFORMATION.



TRAFFIC CONTROL GENERAL NOTES

TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON CONTRACTOR METHODS OR SEQUENCE OF OPERATION.

ADJUST SIGN SPACING TO AVOID CONFLICT WITH AND TO PROVIDE A MINIMUM SPACING OF 200 FEET (500 FEET DESIRABLE) TO EXISTING SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

REMOVE OR COVER ANY TEMPORARY OR EXISTING SIGNS THAT CONFLICT WITH "IN USE" TRAFFIC CONTROL.

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 OF 1500 FEET IN FRONT OF DRUMS.

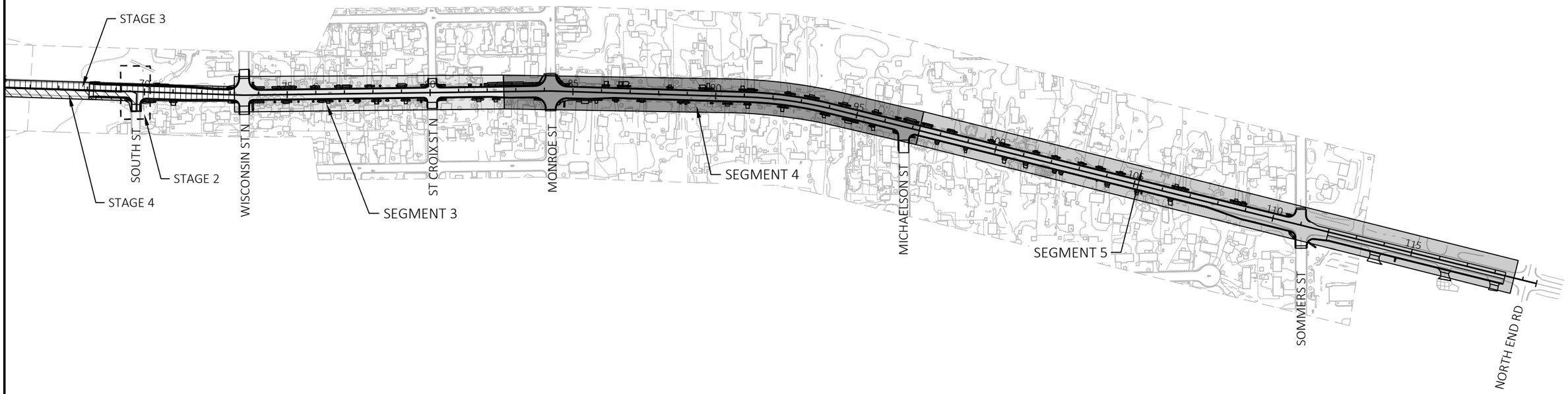
IF LANE CLOSURES ARE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

WARNING LIGHTS SHALL NOT BE WORKING ON "COVERED" OR "DOWNED" SIGNS OR BARRICADES.

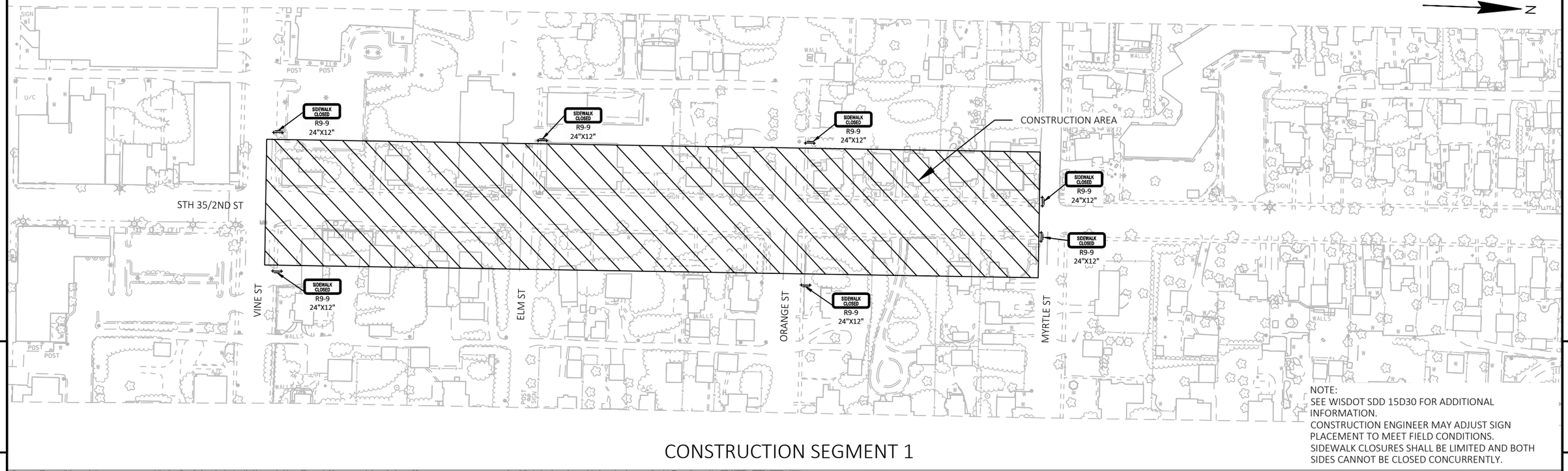
DURING HOURS OF DARKNESS, ALL BARRICADES USED TO SHIELD A HAZARD SHALL BE EQUIPPED WITH TYPE "A" LIGHTS.

REMOVE ALL EXISTING PAVEMENT MARKINGS CONFLICTING WITH THE TRAFFIC CONTROL OR NOT APPROPRIATE TO THE TRAVEL PATH FOR OPERATIONS IN PLACE FOR MORE THAN 4 CONTINUOUS DAYS.

FOR TEMPORARY PAVEMENT MARKINGS CALLED OUT AS REFLECTIVE PAINT/REMOVABLE TAPE THE INTENT IS TO USE REMOVABLE TAPE IN AREAS DIAGONAL TO FINAL LANES OF CONCRETE AND REFLECTIVE PAINT ELSEWHERE. THE ENGINEER MAY MODIFY THE LOCATIONS OF REFLECTIVE PAINT/REMOVABLE TAPE TO FIT FIELD CONDITIONS AND SAFETY CONCERNS.

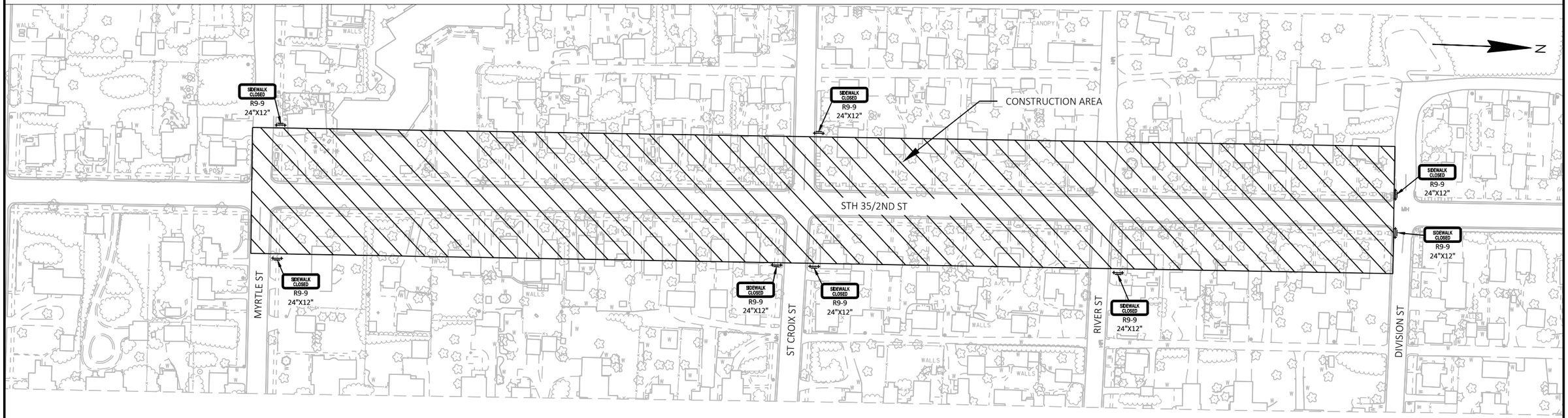


PROJECT NO: ALL PROJECT ID'S	HWY: STH 35	COUNTY: ST CROIX	TRAFFIC CONTROL SEGMENT OVERVIEW	SHEET 235	E



NOTE:
SEE WISDOT SDD 15D30 FOR ADDITIONAL INFORMATION.
CONSTRUCTION ENGINEER MAY ADJUST SIGN PLACEMENT TO MEET FIELD CONDITIONS.
SIDEWALK CLOSURES SHALL BE LIMITED AND BOTH SIDES CANNOT BE CLOSED CONCURRENTLY.

CONSTRUCTION SEGMENT 1

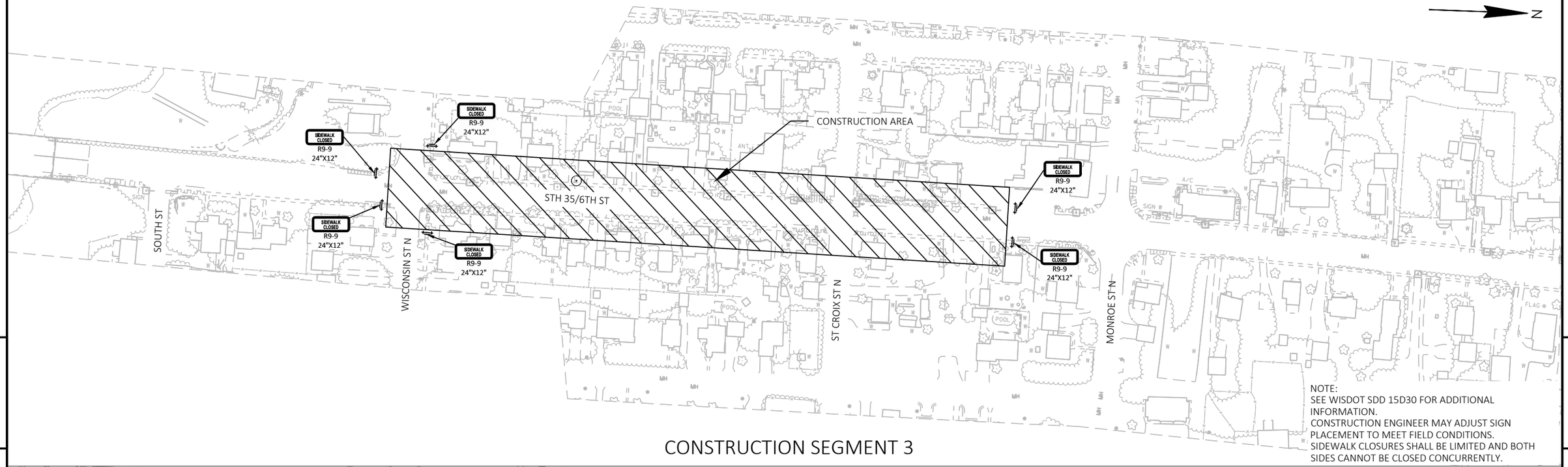


CONSTRUCTION SEGMENT 2

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	PEDESTRIAN TRAFFIC CONTROL - SEGMENT 1 AND 2	SHEET 236	E

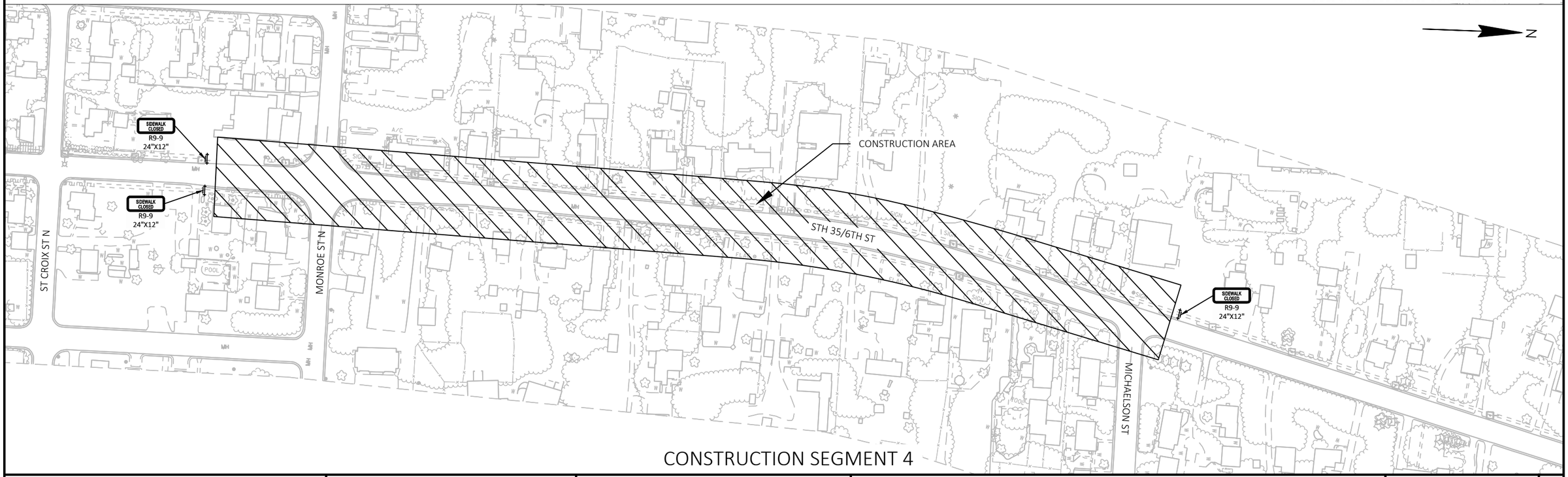
FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\025103-TC.DWG
LAYOUT NAME - SEG 1&2
PLOT DATE : 7/29/2020 1:17 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1IN:150 FT

WISDOT/CADDS SHEET 44



NOTE:
SEE WISDOT SDD 15D30 FOR ADDITIONAL INFORMATION.
CONSTRUCTION ENGINEER MAY ADJUST SIGN PLACEMENT TO MEET FIELD CONDITIONS.
SIDEWALK CLOSURES SHALL BE LIMITED AND BOTH SIDES CANNOT BE CLOSED CONCURRENTLY.

CONSTRUCTION SEGMENT 3

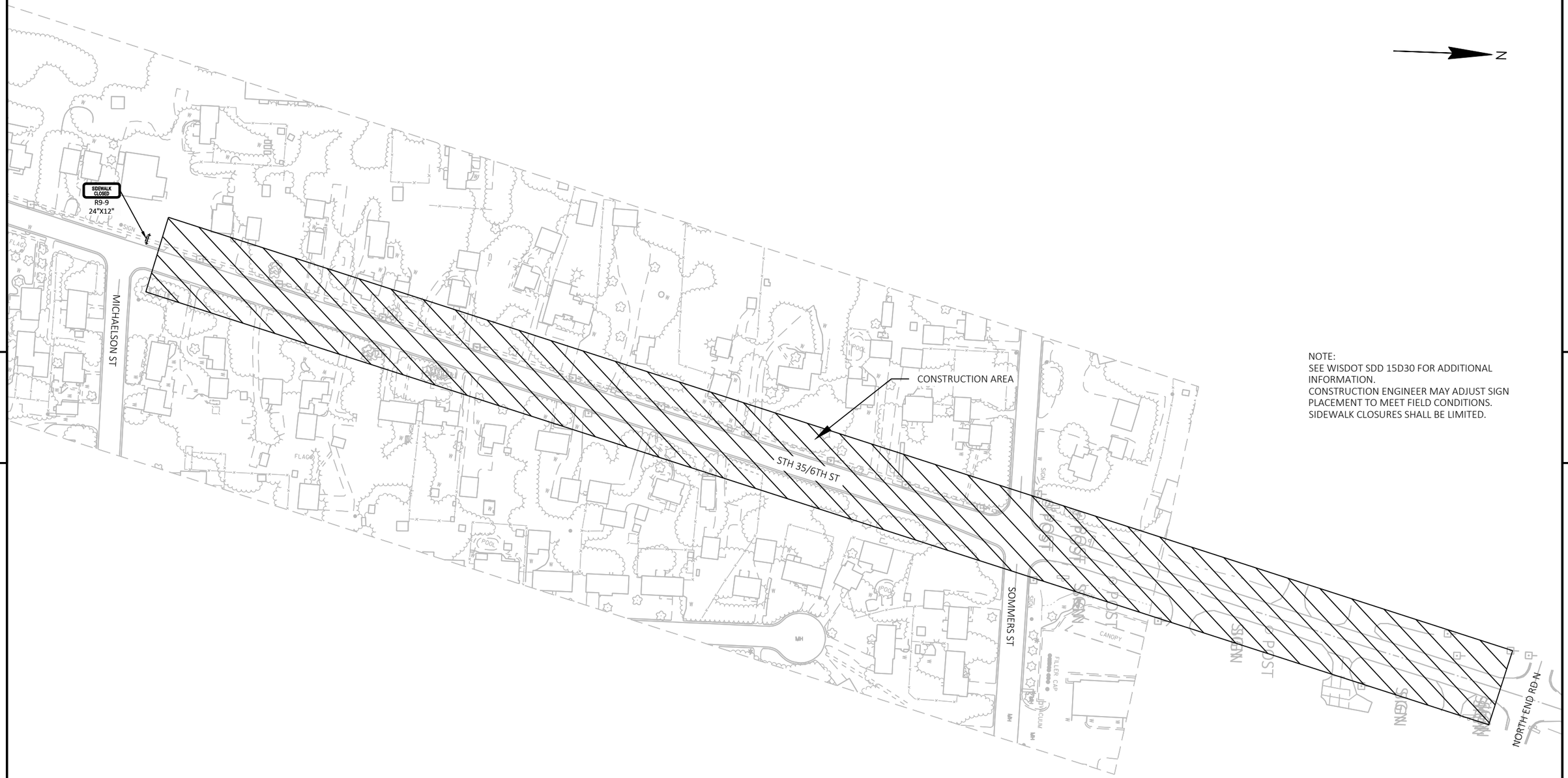


CONSTRUCTION SEGMENT 4

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	PEDESTRIAN TRAFFIC CONTROL - SEGMENT 3 AND 4	SHEET 237 E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\025103-TC.DWG
LAYOUT NAME - SEG 3&4
PLOT DATE : 7/29/2020 1:18 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1IN:150 FT

WISDOT/CADDS SHEET 44



NOTE:
SEE WISDOT SDD 15D30 FOR ADDITIONAL INFORMATION.
CONSTRUCTION ENGINEER MAY ADJUST SIGN PLACEMENT TO MEET FIELD CONDITIONS.
SIDEWALK CLOSURES SHALL BE LIMITED.

5

5

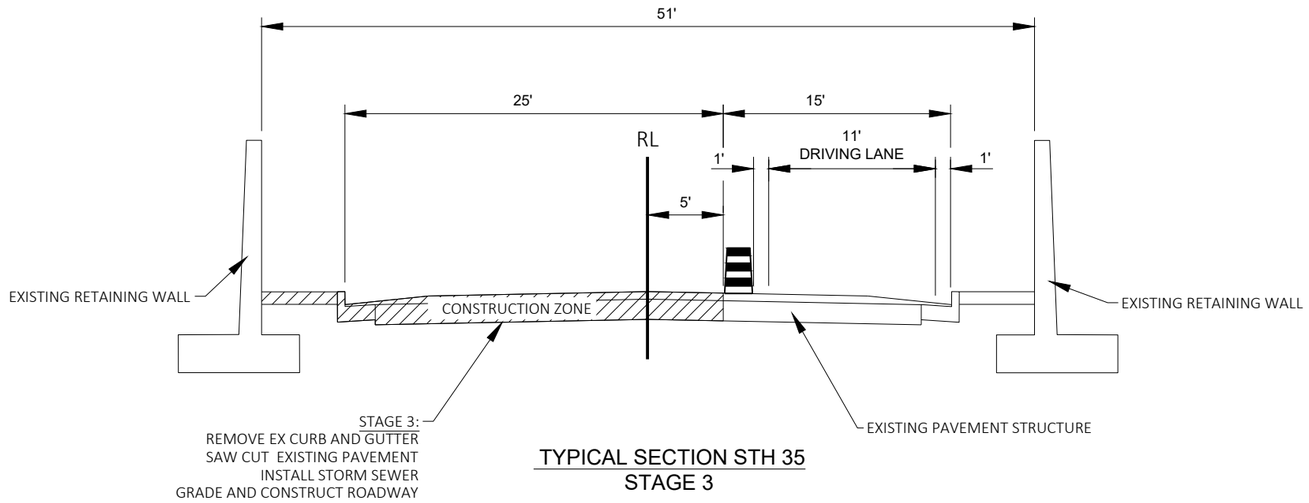
CONSTRUCTION SEGMENT 5

PROJECT NO: 8080-05-70/8080-02-73	HWY: STH 35	COUNTY: ST CROIX	PEDESTRIAN TRAFFIC CONTROL - SEGMENT 5	SHEET 238	E

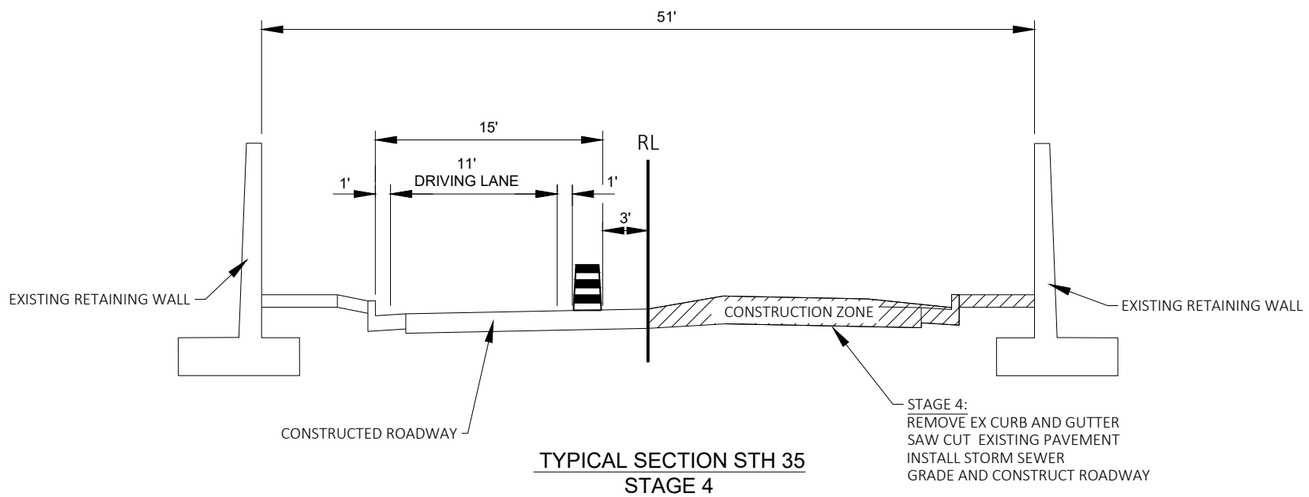
FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\025103-TC.DWG
LAYOUT NAME - SEG 5

PLOT DATE : 7/29/2020 1:18 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1IN:150 FT

2

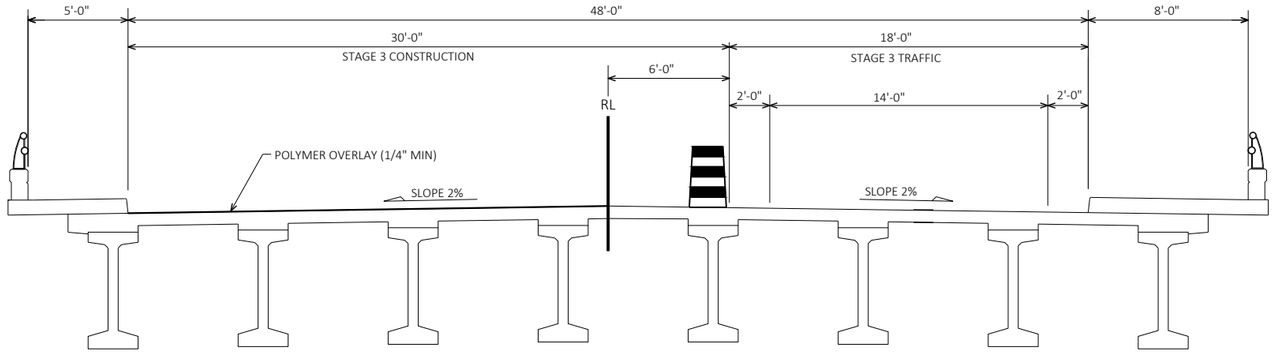


TYPICAL SECTION STH 35
STAGE 3

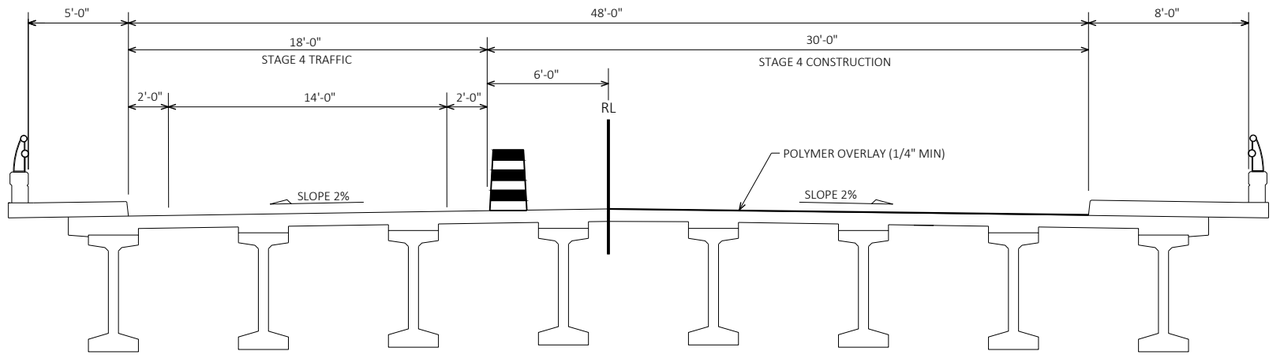


TYPICAL SECTION STH 35
STAGE 4

2



CROSS SECTION THRU BRIDGE
STAGE 3



CROSS SECTION THRU BRIDGE
STAGE 4

STAGE 1

TRAFFIC - DIVISION ST (WEST) WILL HAVE ACCESS FROM DIVISION ST ONLY. NORTH ST/SHOP RD WILL HAVE ACCESS FROM THE NORTH ON STH 35 ONLY. PARTIAL CLOSURES WILL BE NECESSARY TO COMPLETE THE WORK. THE CONTRACTOR SHALL PROVIDE ACCESS AT ALL TIMES TO PROPERTIES WEST OF THE INTERSECTIONS.

CONSTRUCTION - INSTALLATION OF STORM SEWER, SANITARY SEWER, AND WATER MAIN AT THE STH 35/DIVISION ST INTERSECTION AND STH 35/NORTH ST INTERSECTION .

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

ROAD CLOSED
R11-2
48"X30"

WORK ZONE

(4)

STH 35/2ND ST

44 46 48 50 52 54 56 58

SIDEWALK CLOSED
R9-9
24"X12"

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

RIVER ST

DIVISION ST

SEE SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES", "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" AND "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" FOR ADDITIONAL DETAILS.

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

NORTH ST

ROAD CLOSED
R11-2
48"X30"

WORK ZONE

(4)

STH 35/2ND ST

60 62 64 66 68 70 72 74

STH 35/6TH ST

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

SHOP RD

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

(3)

ROAD CLOSED
R11-2
48"X30"

SOUTH ST

WISCONSIN ST

PROJECT NO: 8080-07-70/05-70	HWY: USH 35	COUNTY: ST CROIX	TRAFFIC CONTROL - STAGE 1	SHEET 241	E

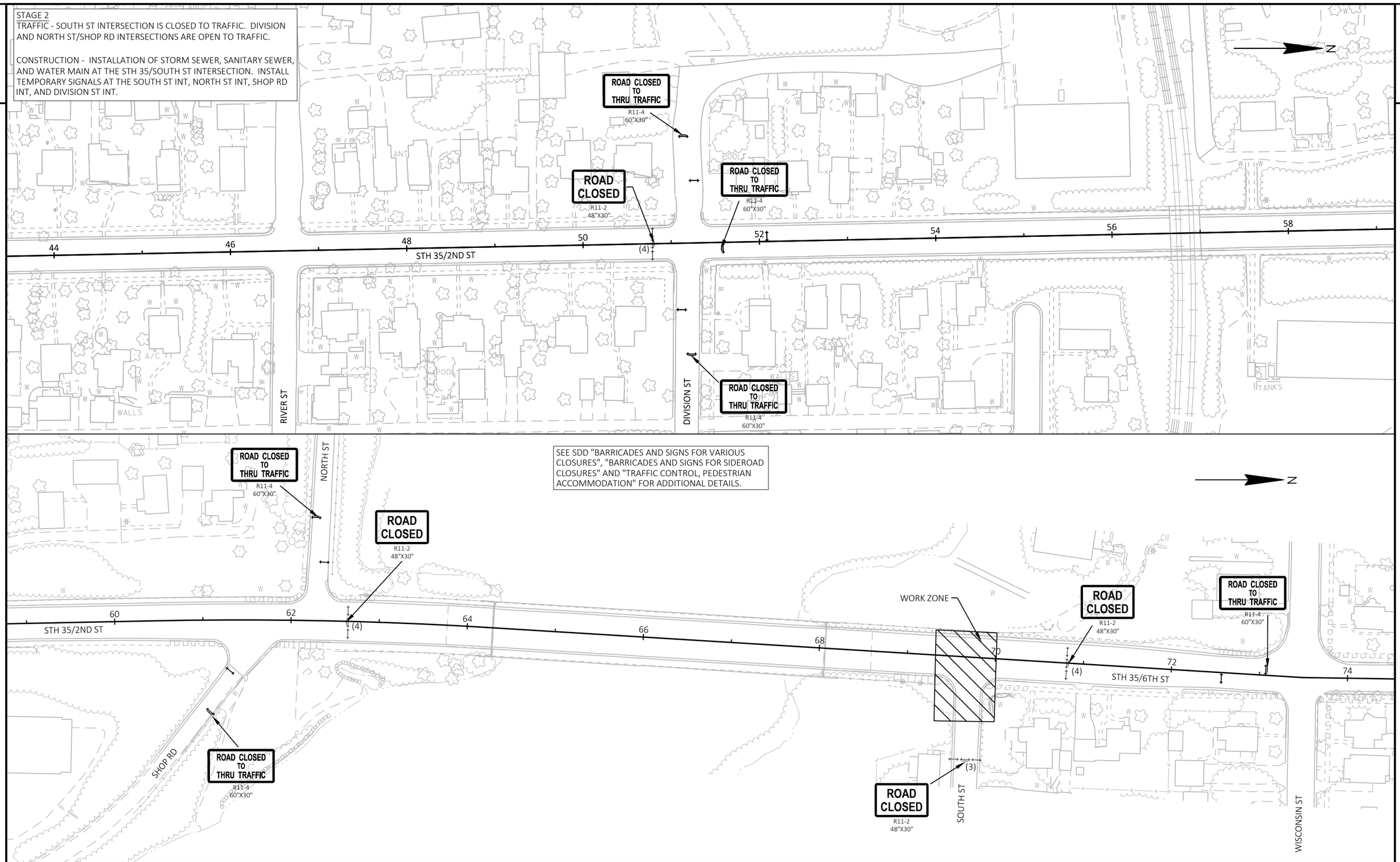
FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 026001-s1

PLOT DATE : 7/29/2020 1:18 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

STAGE 2
TRAFFIC - SOUTH ST INTERSECTION IS CLOSED TO TRAFFIC. DIVISION AND NORTH ST/SHOP RD INTERSECTIONS ARE OPEN TO TRAFFIC.

CONSTRUCTION - INSTALLATION OF STORM SEWER, SANITARY SEWER, AND WATER MAIN AT THE STH 35/SOUTH ST INTERSECTION. INSTALL TEMPORARY SIGNALS AT THE SOUTH ST INT, NORTH ST INT, SHOP RD INT, AND DIVISION ST INT.



PROJECT NO: 8080-07-70/05-70	HWY: USH 35	COUNTY: ST CROIX	TRAFFIC CONTROL - STAGE 2	SHEET 242	E

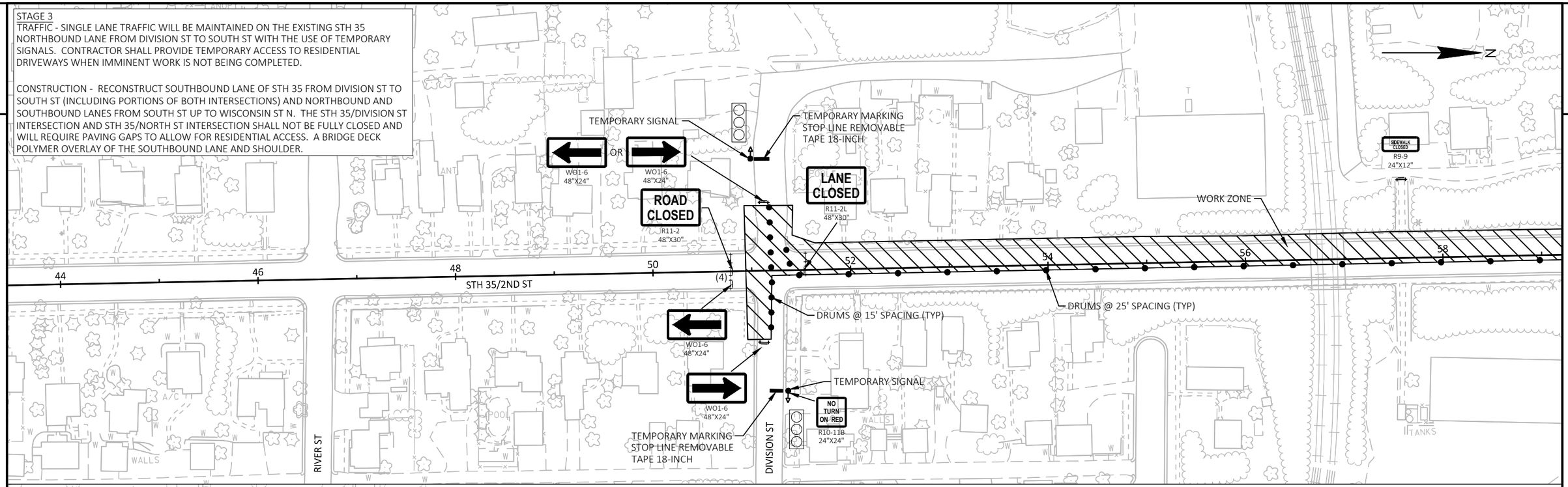
FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\026001-S2.DWG
LAYOUT NAME - 026001-s2

PLOT DATE : 7/29/2020 1:19 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

STAGE 3

TRAFFIC - SINGLE LANE TRAFFIC WILL BE MAINTAINED ON THE EXISTING STH 35 NORTHBOUND LANE FROM DIVISION ST TO SOUTH ST WITH THE USE OF TEMPORARY SIGNALS. CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO RESIDENTIAL DRIVEWAYS WHEN IMMINENT WORK IS NOT BEING COMPLETED.

CONSTRUCTION - RECONSTRUCT SOUTHBOUND LANE OF STH 35 FROM DIVISION ST TO SOUTH ST (INCLUDING PORTIONS OF BOTH INTERSECTIONS) AND NORTHBOUND AND SOUTHBOUND LANES FROM SOUTH ST UP TO WISCONSIN ST N. THE STH 35/DIVISION ST INTERSECTION AND STH 35/NORTH ST INTERSECTION SHALL NOT BE FULLY CLOSED AND WILL REQUIRE PAVING GAPS TO ALLOW FOR RESIDENTIAL ACCESS. A BRIDGE DECK POLYMER OVERLAY OF THE SOUTHBOUND LANE AND SHOULDER.



SEE SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES", "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" AND "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" FOR ADDITIONAL DETAILS.

SEE SDD "TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE" FOR ADDITIONAL DETAILS.

PROJECT NO: 8080-07-70/05-70	HWY: USH 35	COUNTY: ST CROIX	TRAFFIC CONTROL - STAGE 3	SHEET 243	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\026001-S3.DWG
LAYOUT NAME - 026001-s3

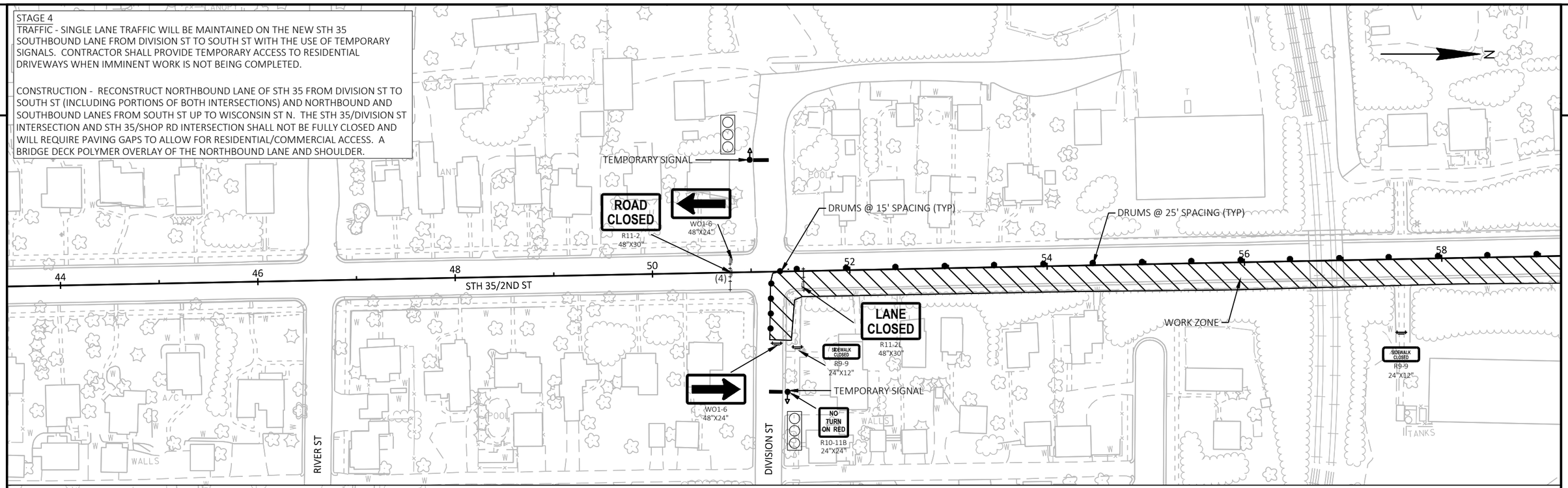
PLOT DATE : 7/29/2020 1:19 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 41

2

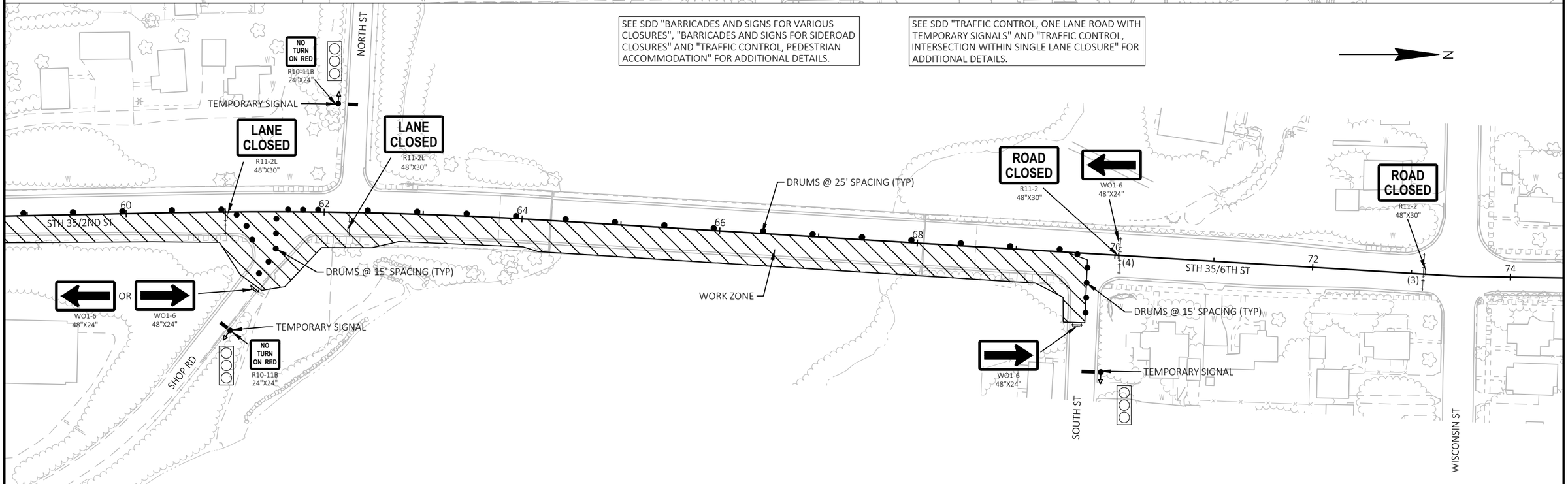
STAGE 4
TRAFFIC - SINGLE LANE TRAFFIC WILL BE MAINTAINED ON THE NEW STH 35 SOUTHBOUND LANE FROM DIVISION ST TO SOUTH ST WITH THE USE OF TEMPORARY SIGNALS. CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO RESIDENTIAL DRIVEWAYS WHEN IMMINENT WORK IS NOT BEING COMPLETED.

CONSTRUCTION - RECONSTRUCT NORTHBOUND LANE OF STH 35 FROM DIVISION ST TO SOUTH ST (INCLUDING PORTIONS OF BOTH INTERSECTIONS) AND NORTHBOUND AND SOUTHBOUND LANES FROM SOUTH ST UP TO WISCONSIN ST N. THE STH 35/DIVISION ST INTERSECTION AND STH 35/SHOP RD INTERSECTION SHALL NOT BE FULLY CLOSED AND WILL REQUIRE PAVING GAPS TO ALLOW FOR RESIDENTIAL/COMMERCIAL ACCESS. A BRIDGE DECK POLYMER OVERLAY OF THE NORTHBOUND LANE AND SHOULDER.



SEE SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES", "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" AND "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" FOR ADDITIONAL DETAILS.

SEE SDD "TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS" AND "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE" FOR ADDITIONAL DETAILS.



PROJECT NO: 8080-07-70/05-70	HWY: USH 35	COUNTY: ST CROIX	TRAFFIC CONTROL - STAGE 4	SHEET 244	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\026001-S4.DWG
LAYOUT NAME - 026001-s4
PLOT DATE : 7/29/2020 1:20 PM
PLOT BY : WOOLEVER, NATHAN
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

2

2

18+00 19+00 20+00 STH 35/2ND ST 21+00 22+00 23+00

381+00

N

+29 +51

MH

W

W

BEGIN PROJECT 8080-07-70
END PROJECT 8080-02-30
STA 22+20.80

MH

VINE ST

382+00

+27 +23

LEGEND

TEMPORARY PEDESTRIAN SURFACE PLYWOOD

TEMPORARY CURB RAMP

NOTE:
LOCATIONS OF TEMPORARY PEDESTRIAN SURFACE PLYWOOD AND TEMPORARY CURB RAMPS MAY BE ADJUSTED TO MEET PROJECT NEEDS.
SEE WISDOT STANDARD DETAIL 15D30 TRAFFIC CONTROL, PEDESTRIAN ACCOMODATIONS

N

+04 +63 +77 +54

+32 +49 +68 +92 +67 +94 +47 +72 +82 +29

MH

SIGN

384+00

24+00 25+00 STH 35/2ND ST 26+00 27+00 28+00 29+00

+92 +16 +70 +25

W

W

+62 +85 +36 +46 +64 +90 +11 +21 +70 +07 +16 +26 +30 +50

W

ELM ST

385+00

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY PEDESTIAN ACCOMODATION PLAN	SHEET 245	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\025102-TC.DWG
LAYOUT NAME - 025102-01-tc

PLOT DATE : 7/29/2020 1:22 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

STH 35/2ND ST

30+00 31+00 32+00 33+00 34+00 35+00

387+00LT

391+00RT

ORANGE ST

388+00LT

MYRTLE ST

392+00RT

N

LEGEND

TEMPORARY PEDESTRIAN SURFACE PLYWOOD

TEMPORARY CURB RAMP

NOTE:
LOCATIONS OF TEMPORARY PEDESTRIAN SURFACE PLYWOOD AND TEMPORARY CURB RAMPS MAY BE ADJUSTED TO MEET PROJECT NEEDS.
SEE WISDOT STANDARD DETAIL 15D30 TRAFFIC CONTROL, PEDESTRIAN ACCOMODATIONS

STH 35/2ND ST

36+00 37+00 38+00 39+00 40+00 41+00

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY PEDESTIAN ACCOMODATION PLAN	SHEET 246	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\025102-TC.DWG
LAYOUT NAME - 025102-02-tc

PLOT DATE : 7/29/2020 1:22 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

42+00

43+00

44+00

STH 35/2ND ST

45+00

46+00

47+00

394+00N

397+00P

+50 +03 +53 +17 +95 +29 +53 +76 +98 +24 +46 +56 +78 +00 +25 +91 +11 +32 +57

395+00N

ST CROIX ST

398+00P

RIVER ST

+72 +03 +21 +25 +40 +64 +14 +37 +44 +04 +27 +59 +74 +00 +31 +42 +78 +25 +99 +13 +44 +04 +20 +24

LEGEND

TEMPORARY PEDESTRIAN SURFACE PLYWOOD

TEMPORARY CURB RAMP

NOTE:
LOCATIONS OF TEMPORARY PEDESTRIAN SURFACE PLYWOOD AND TEMPORARY CURB RAMPS MAY BE ADJUSTED TO MEET PROJECT NEEDS.
SEE WISDOT STANDARD DETAIL 15D30 TRAFFIC CONTROL, PEDESTRIAN ACCOMODATIONS

+57 +81 +10 +37 +64 +76 +08 +58 +93 +15 +47 +51 +61 +29 +44

48+00

49+00

STH 35/2ND ST

50+00

51+00

52+00

53+00

400+00C

DIVISION ST

+44 +94 +17 +59 +87 +30 +61 +83 +07 +15 +25 +35 +62 +81 +96 +29 +47

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY PEDESTIAN ACCOMODATION PLAN	SHEET 247	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\025102-TC.DWG
LAYOUT NAME - 025102-03-tc

PLOT DATE : 7/29/2020 1:23 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

N

54+00 55+00 56+00 STH 35/2ND ST 57+00 58+00 59+00

+94 +04 +62 +72 +93 +06 +53 +70

LEGEND

TEMPORARY PEDESTRIAN SURFACE PLYWOOD

TEMPORARY CURB RAMP

NOTE:
LOCATIONS OF TEMPORARY PEDESTRIAN SURFACE PLYWOOD AND TEMPORARY CURB RAMPS MAY BE ADJUSTED TO MEET PROJECT NEEDS.
SEE WISDOT STANDARD DETAIL 15D30 TRAFFIC CONTROL, PEDESTRIAN ACCOMODATIONS

N

NORTH ST

405+00S

+61 +78

60+00 61+00 62+00 STH 35/2ND ST 63+00 64+00 65+00

MH

SIGN

SIGN

SIGN

RIPRAP

+98 +19 +49 +73

SHOP RD

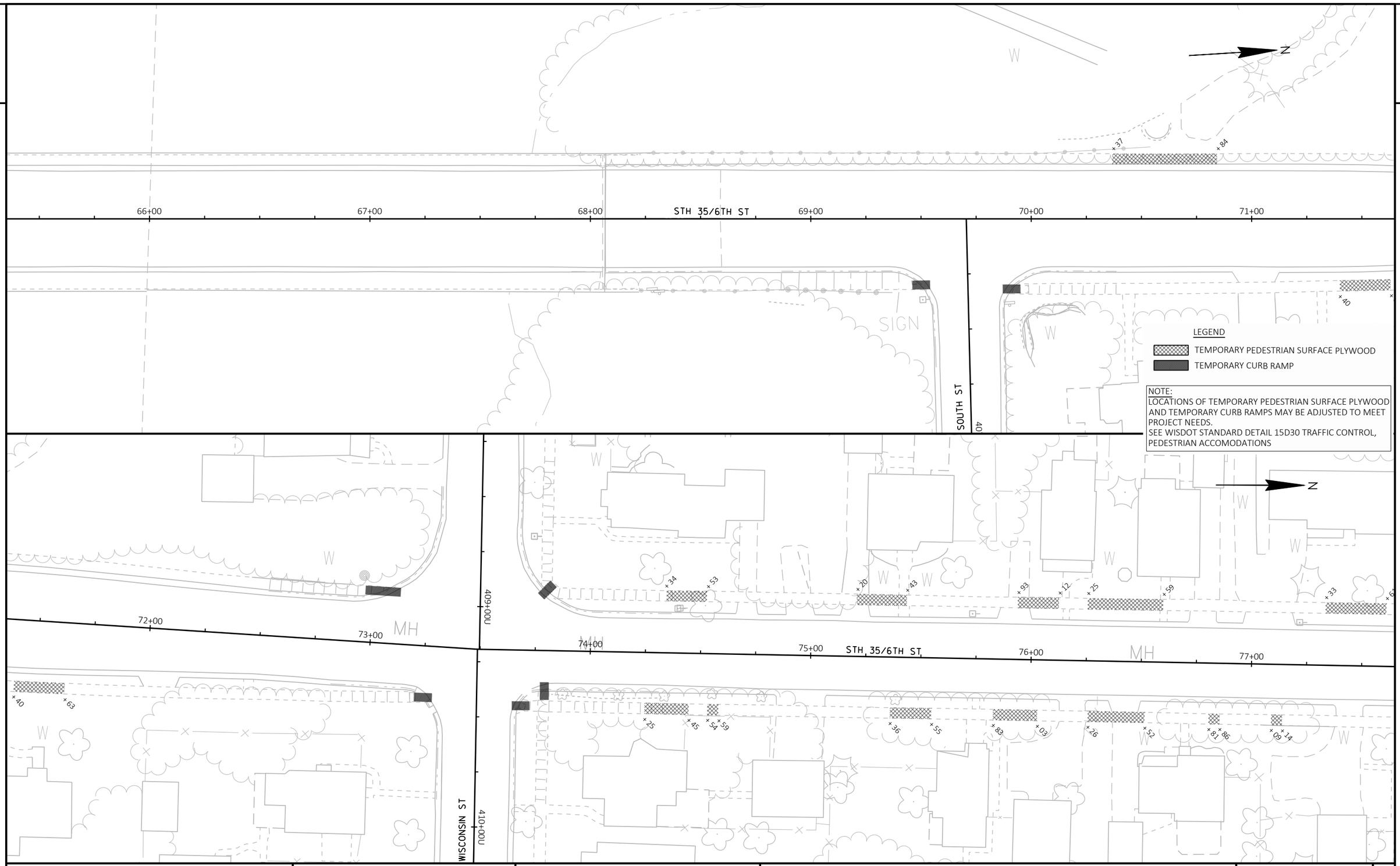
BEGIN PROJECT 8080-07-70
END PROJECT 8080-05-70
STA 64+29.50

PROJECT NO: 8080-07-70/8080-05-70	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY PEDESTIAN ACCOMODATION PLAN	SHEET 248	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\025102-TC.DWG
LAYOUT NAME - 025102-04-tc

PLOT DATE : 7/29/2020 1:23 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY PEDESTRIAN ACCOMODATION PLAN	SHEET 249	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\025102-TC.DWG
LAYOUT NAME - 025102-05-tc
PLOT DATE : 7/29/2020 1:23 PM
PLOT BY : WOOLEVER, NATHAN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

2

78+00 79+00 80+00 81+00 STH 35/6TH ST 82+00 83+00

412+00W

ST CROIX ST N

420+00W

421+00W

MONROE ST N

84+00 85+00 86+00 STH 35/6TH ST 87+00 88+00 89+00

LEGEND

TEMPORARY PEDESTRIAN SURFACE PLYWOOD

TEMPORARY CURB RAMP

NOTE:
LOCATIONS OF TEMPORARY PEDESTRIAN SURFACE PLYWOOD AND TEMPORARY CURB RAMPS MAY BE ADJUSTED TO MEET PROJECT NEEDS.
SEE WISDOT STANDARD DETAIL 15D30 TRAFFIC CONTROL, PEDESTRIAN ACCOMODATIONS

N

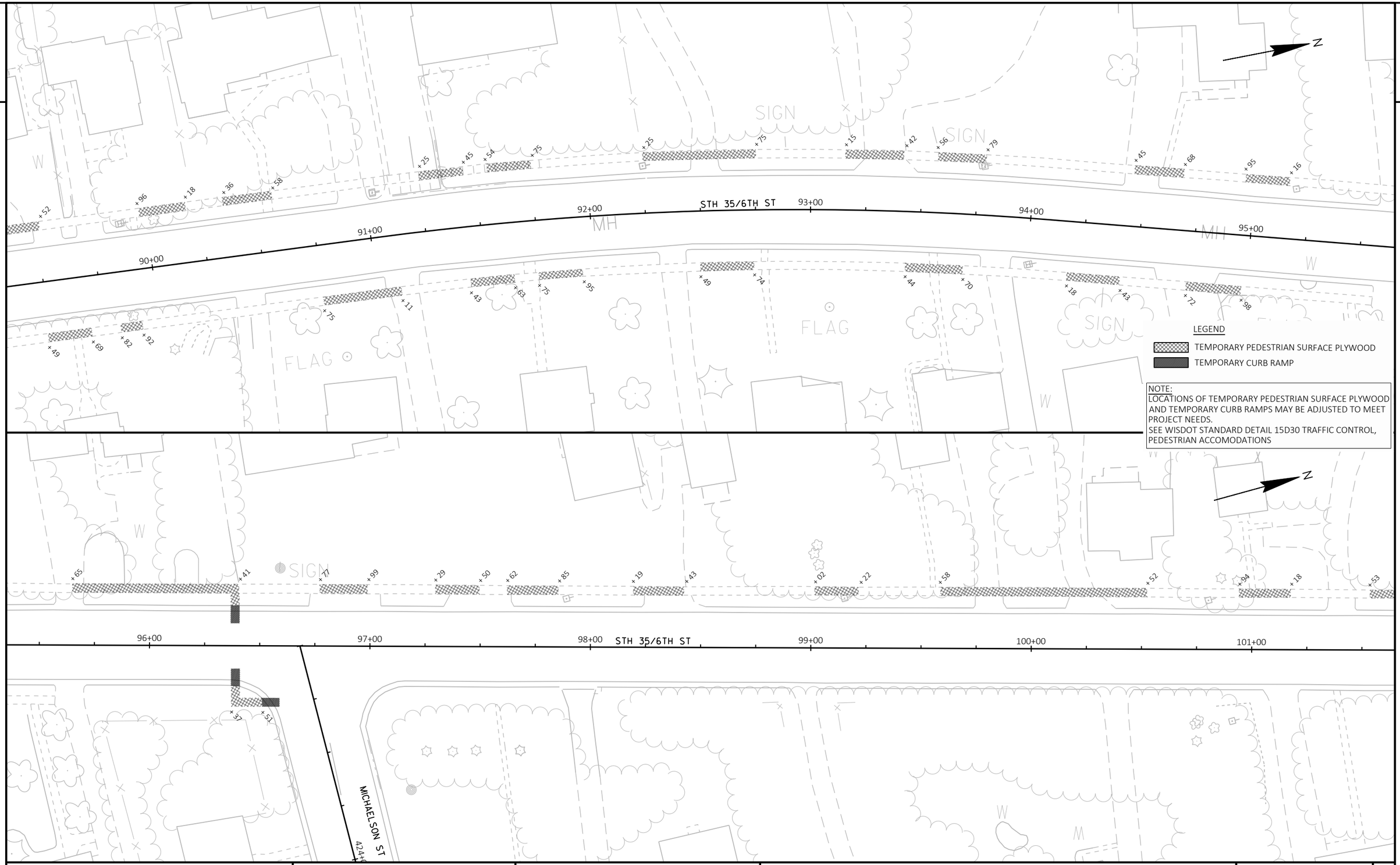
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY PEDESTIAN ACCOMODATION PLAN	SHEET 250	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\025102-TC.DWG
LAYOUT NAME - 025102-06-tc

PLOT DATE : 7/29/2020 1:23 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



LEGEND

TEMPORARY PEDESTRIAN SURFACE PLYWOOD

TEMPORARY CURB RAMP

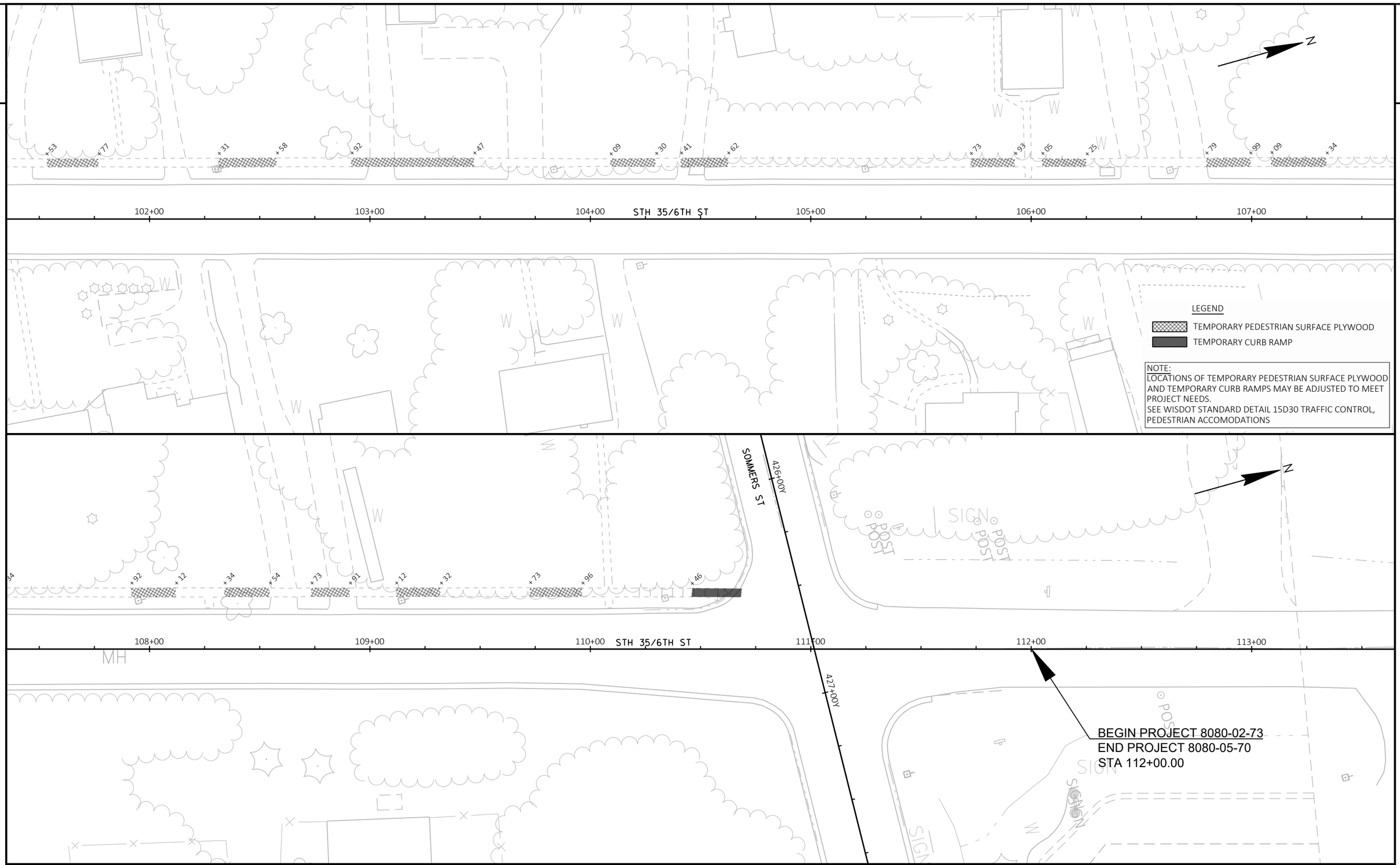
NOTE:
LOCATIONS OF TEMPORARY PEDESTRIAN SURFACE PLYWOOD AND TEMPORARY CURB RAMPS MAY BE ADJUSTED TO MEET PROJECT NEEDS.
SEE WISDOT STANDARD DETAIL 15D30 TRAFFIC CONTROL, PEDESTRIAN ACCOMODATIONS

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY PEDESTIAN ACCOMODATION PLAN	SHEET 251	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\025102-TC.DWG
LAYOUT NAME - 025102-07-tc

PLOT DATE : 7/29/2020 1:23 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



2

PROJECT NO: 8080-05-70/02-73	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY PEDESTRIAN ACCOMODATION PLAN	SHEET 252	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\025102-TC.DWG
LAYOUT NAME - 025102-08-tc

PLOT DATE : 7/29/2020 1:24 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

END PROJECT 8080-02-73
STA 118+37.50

N

114+00 115+00 116+00 STH 35/6TH ST 117+00 118+00 119+00

POST

SIGN

SIGN

SIGN

SIGN

SIGN

LEGEND

TEMPORARY PEDESTRIAN SURFACE PLYWOOD

TEMPORARY CURB RAMP

NOTE:
LOCATIONS OF TEMPORARY PEDESTRIAN SURFACE PLYWOOD AND TEMPORARY CURB RAMPS MAY BE ADJUSTED TO MEET PROJECT NEEDS.
SEE WISDOT STANDARD DETAIL 15D30 TRAFFIC CONTROL, PEDESTRIAN ACCOMODATIONS

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY PEDESTIAN ACCOMODATION PLAN	SHEET 253	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\025102-TC.DWG
LAYOUT NAME - 025102-09-tc

PLOT DATE : 7/29/2020 1:24 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

GENERAL NOTES:

DRAWING IS NOT TO SCALE.

ALL TRAFFIC CONTROL SIGNS AND DEVICES AND THEIR LOCATION SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD), THE PLANS, STANDARD SPECIFICATIONS, CONTRACT AND APPLICABLE STANDARD DETAIL DRAWINGS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

SIGNS IN CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE COVERED AS DIRECTED BY THE ENGINEER AND PAID UNDER THE ITEM "TRAFFIC CONTROL COVERING SIGNS TYPE II".

LEGEND

- PROPOSED GROUND MOUNTED SIGN POST
- DETOUR ROUTE
- WORK ZONE - WIDTH RESTRICTION
- WORK ZONE - ROAD CLOSED
- COVER EXISTING SIGN

DETOUR SIGN PLATE LEGEND

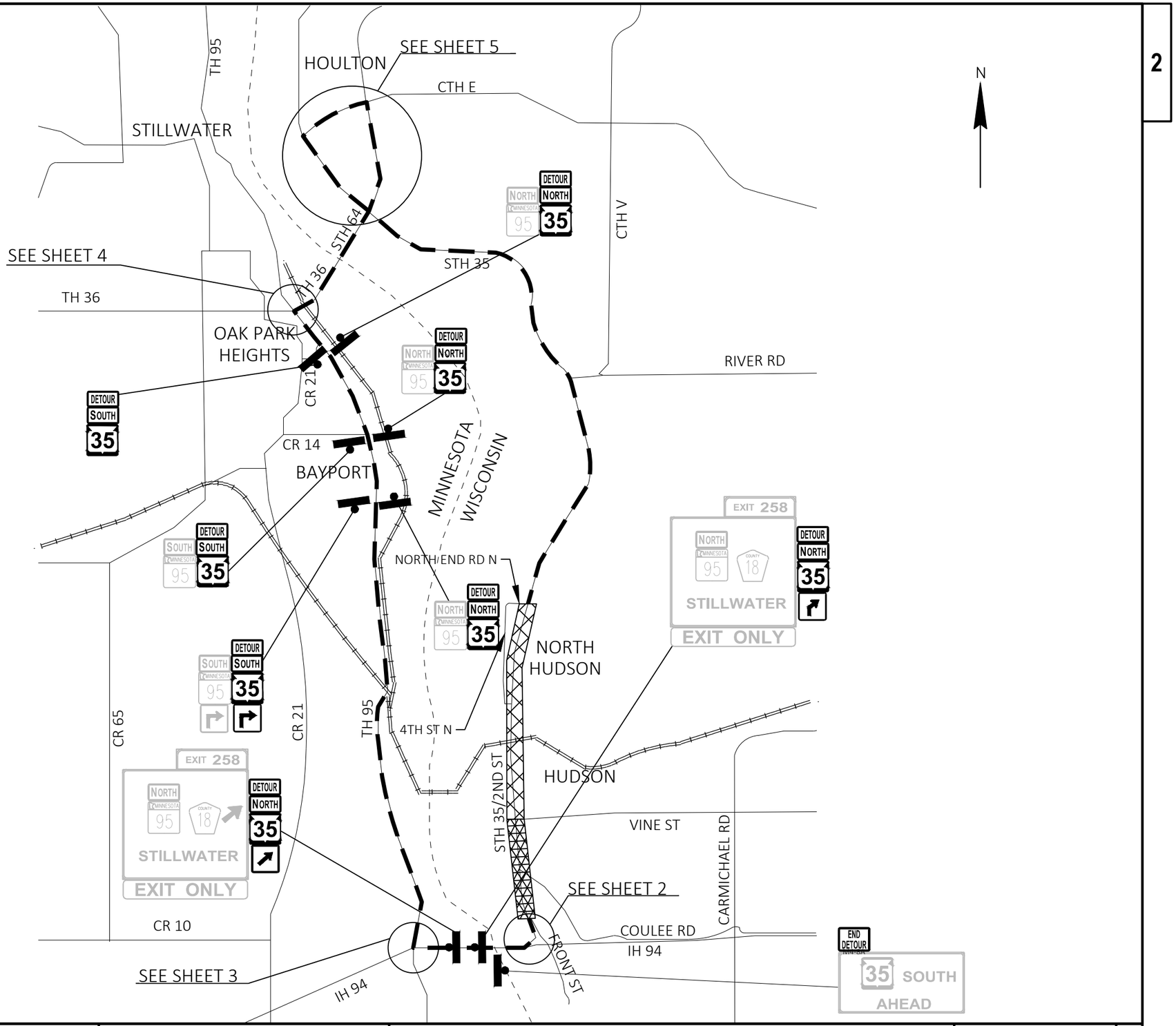
DETOUR M4-8 24"X12" | NORTH M3-1 24"X12" | M6-1 21"X21" | M5-1R 21"X21"

END DETOUR M4-8A 24"X18" | SOUTH M3-3 24"X12" | M6-1 21"X21" | M5-1L 21"X21"

35 M1-6 24"X24" | M6-1 21"X21" | M5-2R 21"X21"

DETOUR AHEAD 48"X48" W20-2A | M6-2 21"X21" | M5-2L 21"X21"

M6-2 21"X21"



PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	DETOUR OVERVIEW	SHEET 254	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\027001_DT.DWG
LAYOUT NAME - 027001_dt

PLOT DATE : 1/4/2021 1:36 PM PLOT BY : BRAD BECKER PLOT NAME : ############

WISDOT/CADDS SHEET 42

2

GENERAL NOTES:

DRAWING IS NOT TO SCALE.

ALL TRAFFIC CONTROL SIGNS AND DEVICES AND THEIR LOCATION SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD), THE PLANS, STANDARD SPECIFICATIONS, CONTRACT AND APPLICABLE STANDARD DETAIL DRAWINGS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

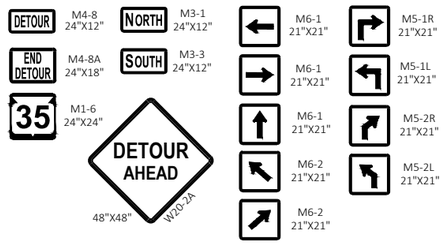
SIGNS IN CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE COVERED AS DIRECTED BY THE ENGINEER AND PAID UNDER THE ITEM "TRAFFIC CONTROL COVERING SIGNS TYPE II".

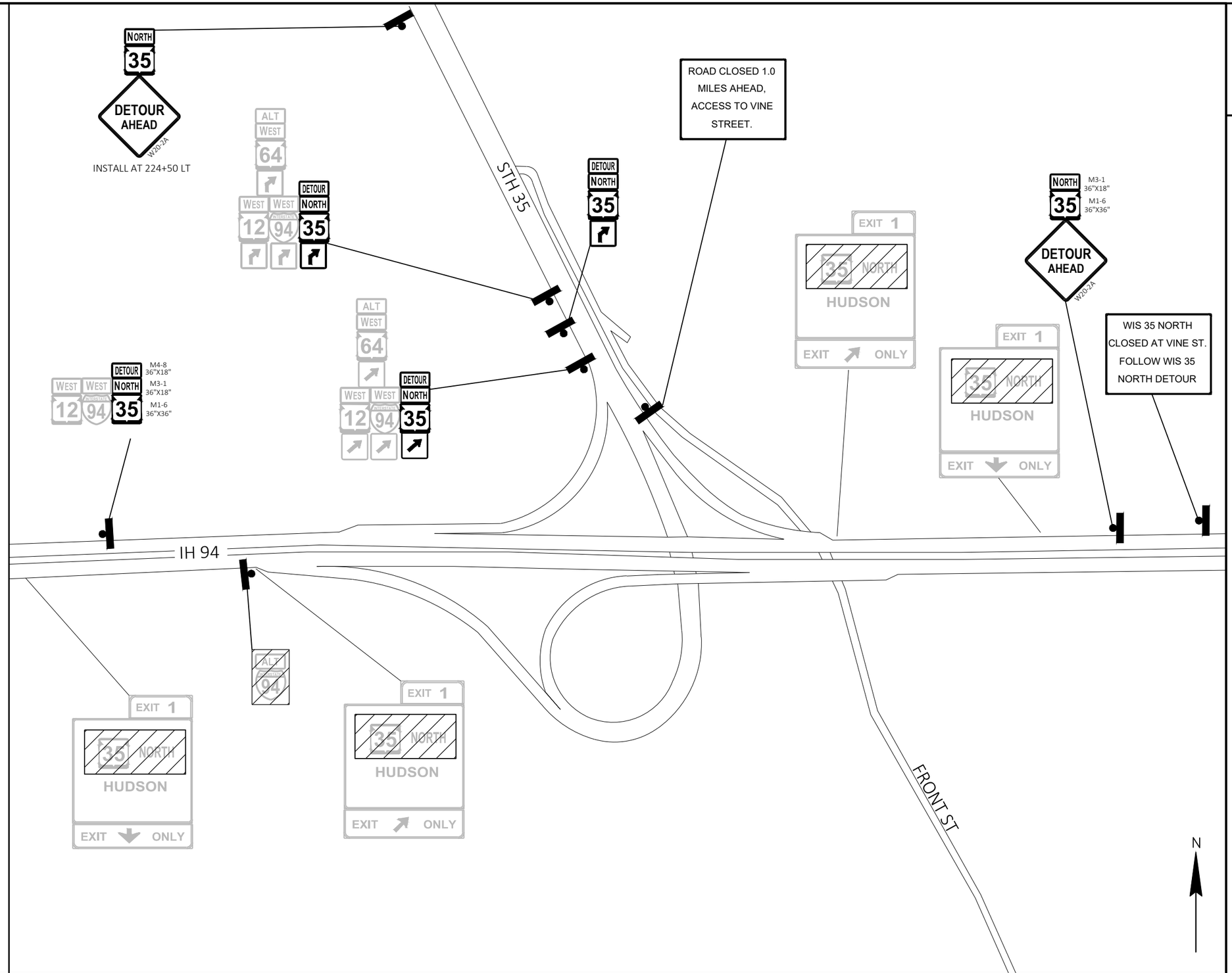
LEGEND

COVER EXISTING SIGN

PROPOSED GROUND MOUNTED SIGN POST

DETOUR SIGN PLATE LEGEND





PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	DETOUR SHEET 2	SHEET 255	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\027001_DT.DWG
LAYOUT NAME - 027002_dt

PLOT DATE : 1/4/2021 1:36 PM PLOT BY : BRAD BECKER PLOT NAME : PLOT SCALE : ############

WISDOT/CADDS SHEET 42

2

GENERAL NOTES:

DRAWING IS NOT TO SCALE.

ALL TRAFFIC CONTROL SIGNS AND DEVICES AND THEIR LOCATION SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD), THE PLANS, STANDARD SPECIFICATIONS, CONTRACT AND APPLICABLE STANDARD DETAIL DRAWINGS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

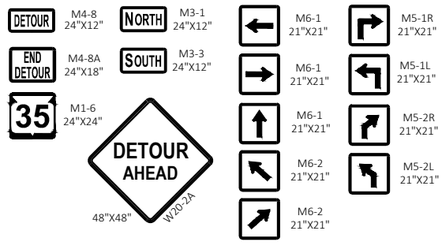
SIGNS IN CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE COVERED AS DIRECTED BY THE ENGINEER AND PAID UNDER THE ITEM "TRAFFIC CONTROL COVERING SIGNS TYPE II".

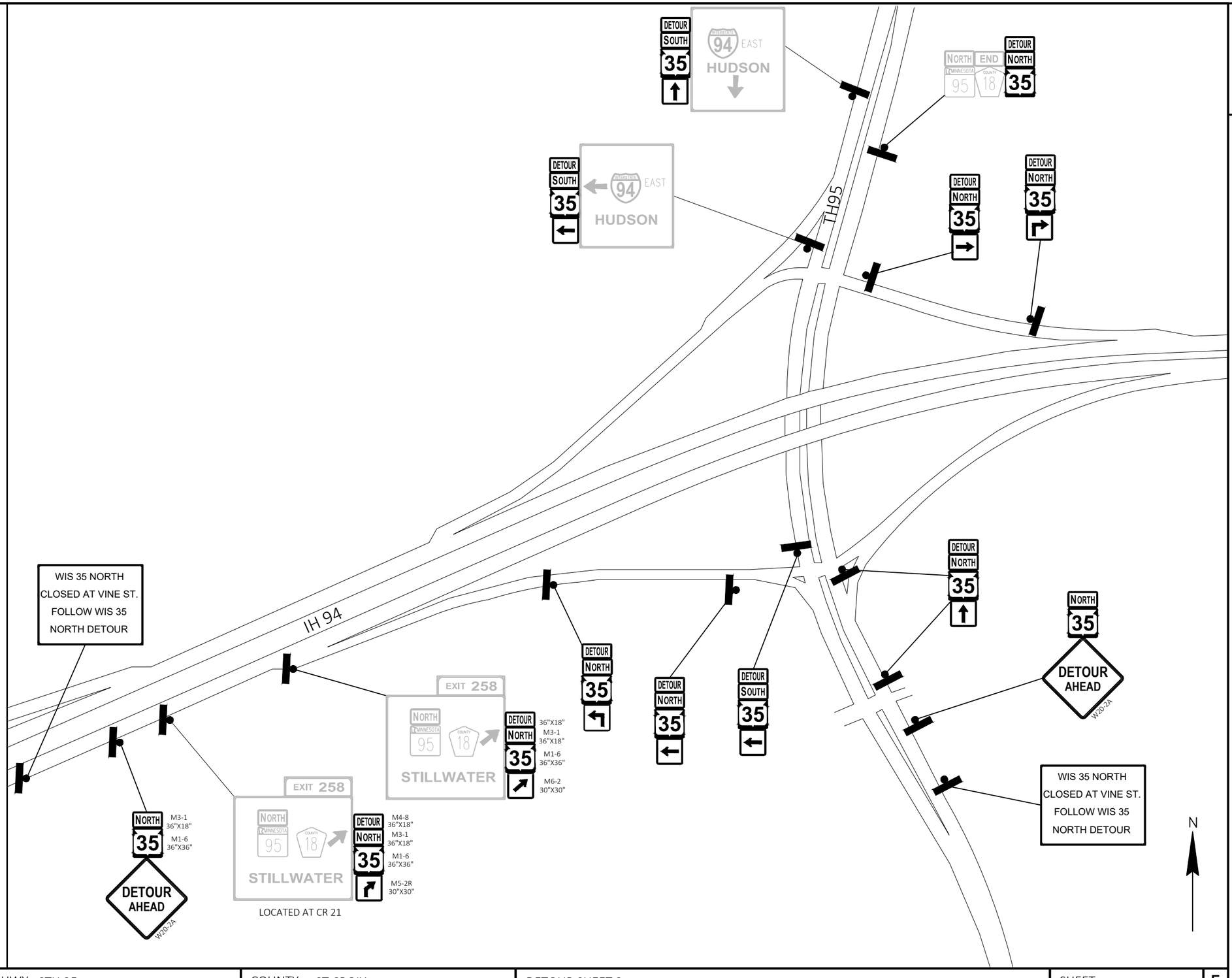
LEGEND

COVER EXISTING SIGN

PROPOSED GROUND MOUNTED SIGN POST

DETOUR SIGN PLATE LEGEND





PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	DETOUR SHEET 3	SHEET 256	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\027001_DT.DWG
LAYOUT NAME - 027003_dt

PLOT DATE : 1/4/2021 1:36 PM PLOT BY : BRAD BECKER PLOT NAME : PLOT SCALE : ##########

2

GENERAL NOTES:

DRAWING IS NOT TO SCALE.

ALL TRAFFIC CONTROL SIGNS AND DEVICES AND THEIR LOCATION SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD), THE PLANS, STANDARD SPECIFICATIONS, CONTRACT AND APPLICABLE STANDARD DETAIL DRAWINGS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

SIGNS IN CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE COVERED AS DIRECTED BY THE ENGINEER AND PAID UNDER THE ITEM "TRAFFIC CONTROL COVERING SIGNS TYPE II".

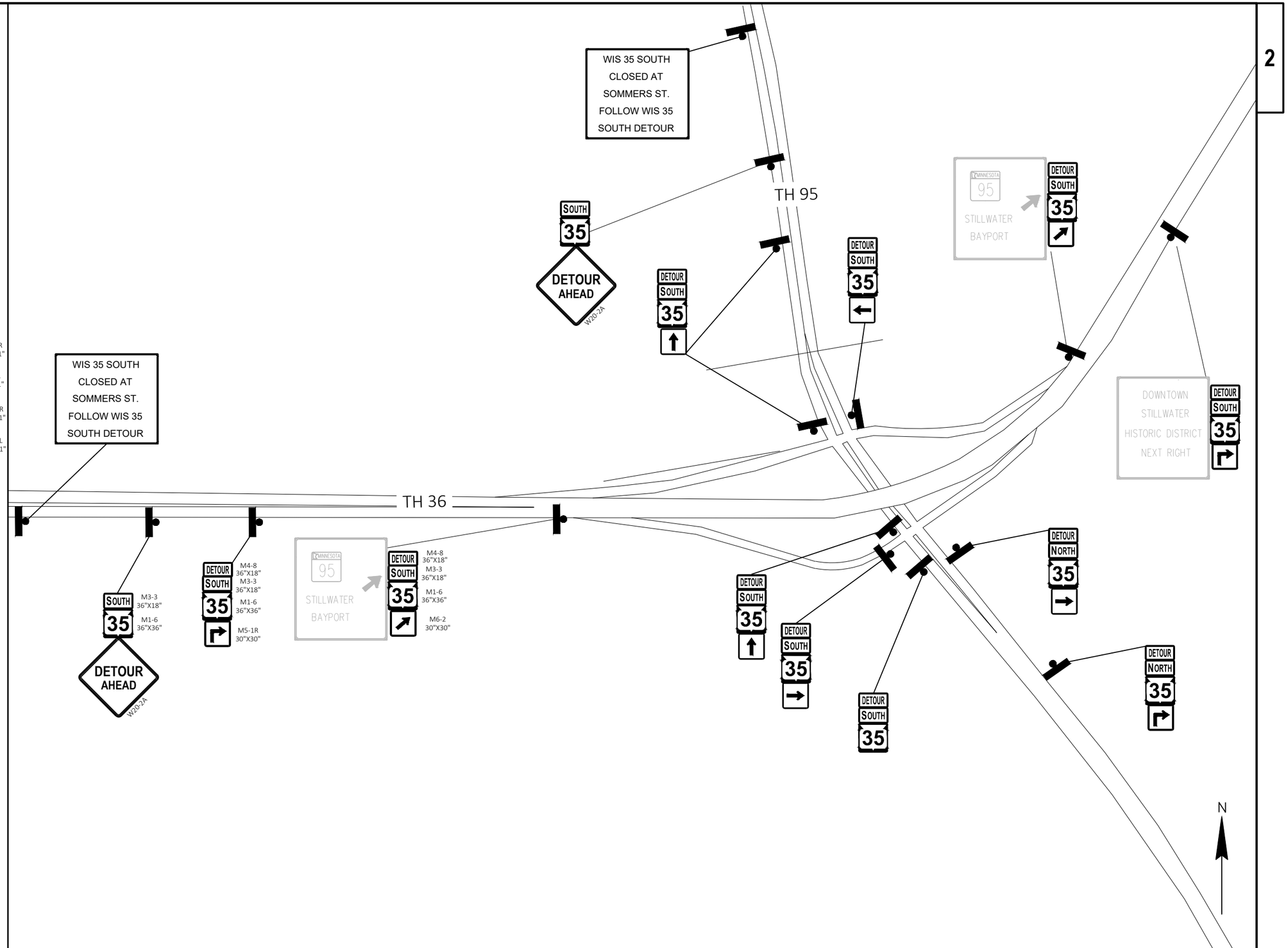
LEGEND

COVER EXISTING SIGN

PROPOSED GROUND MOUNTED SIGN POST

DETOUR SIGN PLATE LEGEND

DETOUR M4-8 24"X12"
END DETOUR M4-8A 24"X18"
35 M1-6 24"X24"
NORTH M3-1 24"X12"
SOUTH M3-3 24"X12"
DETOUR AHEAD W20-2A 48"X48"
M6-1 21"X21"
M6-1 21"X21"
M6-1 21"X21"
M6-2 21"X21"
M6-2 21"X21"
M5-1R 21"X21"
M5-1L 21"X21"
M5-2R 21"X21"
M5-2L 21"X21"



PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	DETOUR SHEET 4	SHEET 257	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\027001_DT.DWG
LAYOUT NAME - 027004_dt

PLOT DATE : 1/4/2021 1:36 PM PLOT BY : BRAD BECKER PLOT NAME : PLOT SCALE : ############

WISDOT/CADDS SHEET 42

2

GENERAL NOTES:

DRAWING IS NOT TO SCALE.

ALL TRAFFIC CONTROL SIGNS AND DEVICES AND THEIR LOCATION SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD), THE PLANS, STANDARD SPECIFICATIONS, CONTRACT AND APPLICABLE STANDARD DETAIL DRAWINGS.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

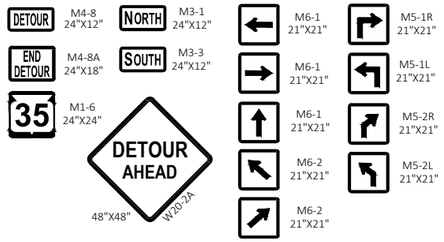
SIGNS IN CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE COVERED AS DIRECTED BY THE ENGINEER AND PAID UNDER THE ITEM "TRAFFIC CONTROL COVERING SIGNS TYPE II".

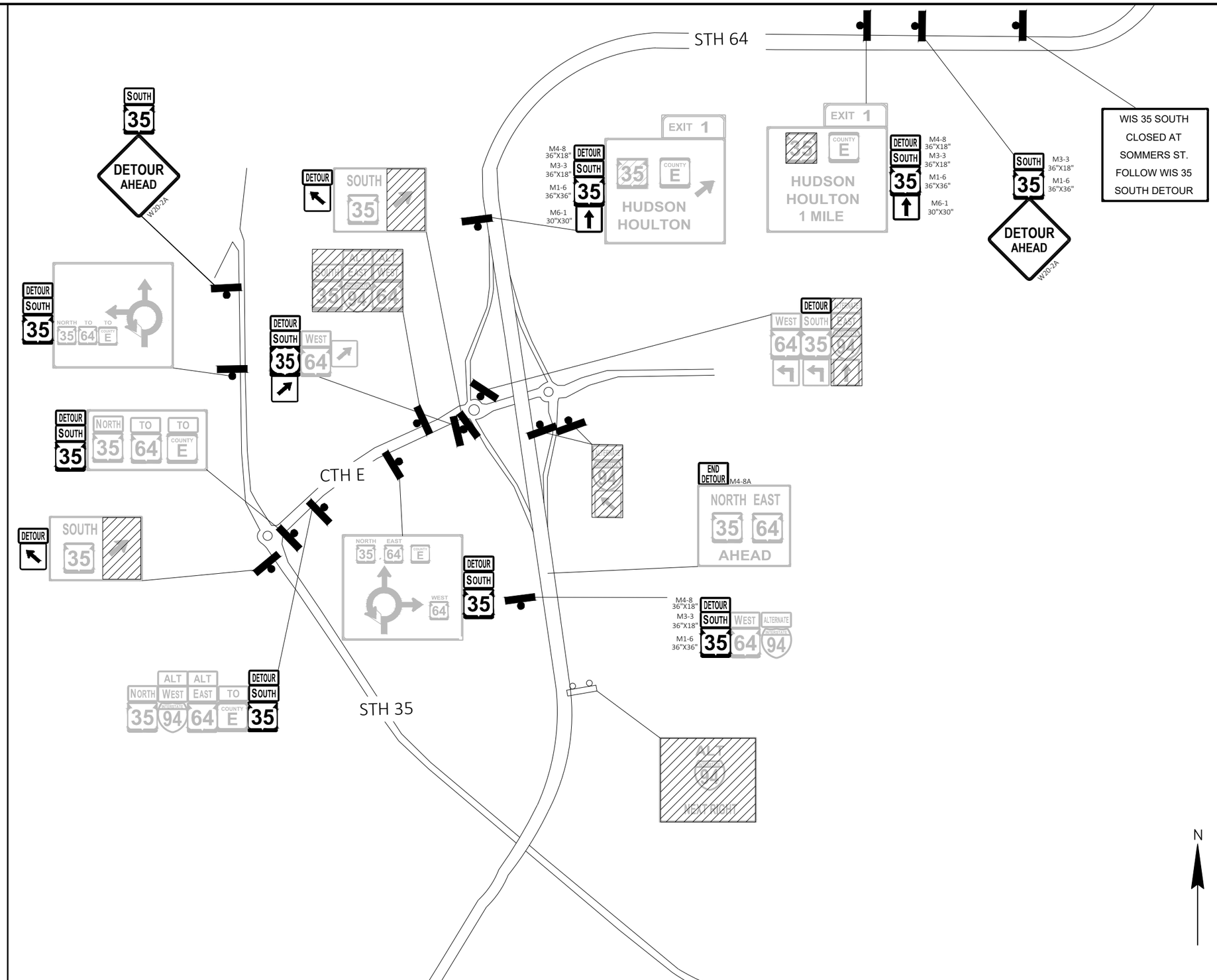
LEGEND

COVER EXISTING SIGN

PROPOSED GROUND MOUNTED SIGN POST

DETOUR SIGN PLATE LEGEND





PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	DETOUR SHEET 5	SHEET 258	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\027001_DT.DWG
LAYOUT NAME - 027005_dt

PLOT DATE : 1/4/2021 1:36 PM PLOT BY : BRAD BECKER PLOT NAME :

WISDOT/CADDS SHEET 42

Estimate Of Quantities

Line	Item	Item Description	Unit	Total	8080-02-60 Qty	8080-02-61 Qty	8080-02-72 Qty	8080-02-73 Qty	8080-05-70 Qty	8080-05-72 Qty	8080-07-70 Qty	8080-07-72 Qty
0002	201.0105	Clearing	STA	45.000	1.000	9.000			11.000	1.000	23.000	
0004	201.0205	Grubbing	STA	45.000	1.000	9.000			11.000	1.000	23.000	
0006	204.0100	Removing Concrete Pavement	SY	22,193.000	666.000	2,006.000		140.000	1,161.000		18,220.000	
0008	204.0105	Removing Pavement Butt Joints	SY	555.000	246.000		267.000				42.000	
0010	204.0109.S	Removing Concrete Surface Partial Depth	SF	150,165.000	100,330.000		49,835.000					
0012	204.0110	Removing Asphaltic Surface	SY	2,248.000	252.000	1,833.000				163.000		
0014	204.0115	Removing Asphaltic Surface Butt Joints	SY	502.000	370.000		118.000	14.000				
0016	204.0120	Removing Asphaltic Surface Milling	SY	2,875.000	820.000			2,055.000				
0018	204.0150	Removing Curb & Gutter	LF	16,220.000	2,433.000	1,327.000	884.000		8,985.000	38.000	2,553.000	
0020	204.0155	Removing Concrete Sidewalk	SY	9,914.000	2,738.000	75.000	577.000		1,055.000	599.000	4,870.000	
0022	204.0185	Removing Masonry	CY	0.150					0.150			
0024	204.0195	Removing Concrete Bases	EACH	51.000	32.000		9.000		8.000		2.000	
0026	204.0210	Removing Manholes	EACH	28.000					20.000		8.000	
0028	204.0220	Removing Inlets	EACH	63.000					31.000		32.000	
0030	204.0245	Removing Storm Sewer (size) 01. All pipe sizes	LF	8,468.000					6,129.000		2,339.000	
0032	205.0100	Excavation Common	CY	27,992.000	223.000	890.000	557.000	1,096.000	11,413.000	170.000	13,643.000	
0034	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 8080-02-60	LS	1.000	1.000							
0036	211.0100	Prepare Foundation for Asphaltic Paving (project) 03. 8080-02-72	LS	1.000			1.000					
0038	213.0100	Finishing Roadway (project) 01.8080-02-60	EACH	1.000	1.000							
0040	213.0100	Finishing Roadway (project) 02.8080-02-61	EACH	1.000		1.000						
0042	213.0100	Finishing Roadway (project) 03.8080-02-72	EACH	1.000			1.000					
0044	213.0100	Finishing Roadway (project) 04.8080-02-73	EACH	1.000				1.000				
0046	213.0100	Finishing Roadway (project) 05.8080-05-70	EACH	1.000					1.000			
0048	213.0100	Finishing Roadway (project) 06.8080-05-72	EACH	1.000						1.000		
0050	213.0100	Finishing Roadway (project) 07.8080-07-70	EACH	1.000							1.000	
0052	213.0100	Finishing Roadway (project) 08.8080-07-72	EACH	1.000								1.000
0054	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	26,317.000	1,798.000	2,133.000	1,277.000	1,168.000	9,242.000	290.000	10,409.000	
0056	390.0303	Base Patching Concrete	SY	67.000	20.000		47.000					
0058	405.0100	Coloring Concrete WisDOT Red	CY	32.000	32.000							
0060	415.0080	Concrete Pavement 8-Inch	SY	37,766.000	487.000	1,991.000			18,272.000		17,016.000	
0062	415.0210	Concrete Pavement Gaps	EACH	5.000					1.000		4.000	
0064	415.0410	Concrete Pavement Approach Slab	SY	144.000					72.000		72.000	
0066	415.1080	Concrete Pavement HES 8-Inch	SY	512.000					243.000		269.000	
0068	415.4100	Concrete Pavement Joint Filling	SY	40,211.000					20,696.000		19,515.000	
0070	415.5110.S	Concrete Pavement Joint Layout 01. 8080-05-70	LS	1.000					1.000			
0072	415.5110.S	Concrete Pavement Joint Layout 02. 8080-07-70	LS	1.000							1.000	
0074	415.5110.S	Concrete Pavement Joint Layout 04. 8080-02-61	LS	1.000		1.000						
0076	416.0160	Concrete Driveway 6-Inch	SY	2,509.000	351.000		107.000	207.000	1,298.000		546.000	

					8080-02-60	8080-02-61	8080-02-72	8080-02-73	8080-05-70	8080-05-72	8080-07-70	8080-07-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0078	416.0610	Drilled Tie Bars	EACH	1,656.000	839.000	305.000	400.000		36.000		76.000	
0080	416.0620	Drilled Dowel Bars	EACH	3,034.000	2,817.000	32.000			89.000		96.000	
0082	450.4000	HMA Cold Weather Paving	TON	715.000				715.000				
0084	455.0605	Tack Coat	GAL	1,643.000	847.000	20.000	431.000	245.000	31.000	8.000	61.000	
0086	460.2000	Incentive Density HMA Pavement	DOL	2,426.000	1,096.000		560.000	460.000	80.000	30.000	200.000	
0088	460.6645	HMA Pavement 5 MT 58-34 V	TON	3,776.000	1,701.000		886.000	715.000	125.000	46.000	303.000	
0090	465.0105	Asphaltic Surface	TON	513.000	154.000	359.000						
0092	465.0110	Asphaltic Surface Patching	TON	120.000	95.000		25.000					
0094	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	133.000				29.000	74.000		30.000	
0096	465.0315	Asphaltic Flumes	SY	22.000				7.000	15.000			
0098	509.0301	Preparation Decks Type 1	SY	100.000					100.000			
0100	509.0302	Preparation Decks Type 2	SY	25.000					25.000			
0102	509.0310.S	Sawing Pavement Deck Preparation Areas	LF	200.000					200.000			
0104	509.2000	Full-Depth Deck Repair	SY	5.000					5.000			
0106	509.2100.S	Concrete Masonry Deck Repair	CY	10.000					10.000			
0108	509.5100.S	Polymer Overlay	SY	2,020.000					2,020.000			
0110	520.8000	Concrete Collars for Pipe	EACH	5.000			5.000					
0112	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	3.000				2.000	1.000			
0114	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	6.000				4.000	1.000		1.000	
0116	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	1.000							1.000	
0118	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	1.000					1.000			
0120	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	134.000							134.000	
0122	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	7.000					7.000			
0124	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	20,545.000	1,940.000	765.000	925.000		8,724.000		8,191.000	
0126	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	2,457.000	138.000	585.000		638.000	304.000	44.000	748.000	
0128	601.0600	Concrete Curb Pedestrian	LF	288.000	52.000		134.000		52.000		50.000	
0130	602.0405	Concrete Sidewalk 4-Inch	SF	70,133.000	6,920.000		1,642.000		11,310.000	5,391.000	44,870.000	
0132	602.0415	Concrete Sidewalk 6-Inch	SF	22,861.000	15,210.000	928.000	1,089.000				5,634.000	
0134	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	160.000					160.000			
0136	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	646.000	230.000	48.000	56.000				312.000	
0138	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	103.000					103.000			
0140	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	126.000	25.000		46.000				55.000	
0142	602.1500	Concrete Steps	SF	32.000					32.000			
0144	603.8000	Concrete Barrier Temporary Precast Delivered	LF	972.000	972.000							
0146	603.8125	Concrete Barrier Temporary Precast Installed	LF	972.000	972.000							
0148	606.0200	Riprap Medium	CY	28.000					8.000		20.000	

					8080-02-60	8080-02-61	8080-02-72	8080-02-73	8080-05-70	8080-05-72	8080-07-70	8080-07-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0150	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	1,109.000				48.000	593.000		468.000	
0152	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	749.000			83.000	102.000	262.000		302.000	
0154	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	3,158.000			5.000		1,352.000		1,801.000	
0156	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	115.000							115.000	
0158	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	2,113.000					2,113.000			
0160	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	475.000	136.000	36.000			33.000		270.000	
0162	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	40.000		40.000						
0164	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	132.000	26.000	51.000			37.000		18.000	
0166	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	446.000							446.000	
0168	608.0436	Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	LF	645.000	21.000				624.000			
0170	611.0530	Manhole Covers Type J	EACH	49.000	3.000	1.000	1.000		20.000		24.000	
0172	611.0612	Inlet Covers Type C	EACH	1.000		1.000						
0174	611.0624	Inlet Covers Type H	EACH	110.000	10.000	3.000	3.000		41.000		53.000	
0176	611.0666	Inlet Covers Type Z	EACH	2.000							2.000	
0178	611.1004	Catch Basins 4-FT Diameter	EACH	22.000			3.000				19.000	
0180	611.1005	Catch Basins 5-FT Diameter	EACH	1.000							1.000	
0182	611.1230	Catch Basins 2x3-FT	EACH	35.000							35.000	
0184	611.2004	Manholes 4-FT Diameter	EACH	29.000	3.000	2.000	1.000		3.000		20.000	
0186	611.2005	Manholes 5-FT Diameter	EACH	17.000	2.000				13.000		2.000	
0188	611.2006	Manholes 6-FT Diameter	EACH	6.000					4.000		2.000	
0190	611.3004	Inlets 4-FT Diameter	EACH	6.000	1.000				5.000			
0192	611.3230	Inlets 2x3-FT	EACH	45.000	7.000	3.000			35.000			
0194	611.8110	Adjusting Manhole Covers	EACH	12.000	6.000		6.000					
0196	611.8115	Adjusting Inlet Covers	EACH	15.000	13.000		2.000					
0198	611.8120.S	Cover Plates Temporary	EACH	12.000	6.000		6.000					
0200	616.0700.S	Fence Safety	LF	2,760.000					960.000		1,800.000	
0202	618.0100	Maintenance And Repair of Haul Roads (project) 01. 8080-02-60	EACH	1.000	1.000							
0204	618.0100	Maintenance And Repair of Haul Roads (project) 02. 8080-02-72	EACH	1.000			1.000					
0206	618.0100	Maintenance And Repair of Haul Roads (project) 03. 8080-02-73	EACH	1.000				1.000				

					8080-02-60	8080-02-61	8080-02-72	8080-02-73	8080-05-70	8080-05-72	8080-07-70	8080-07-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0208	618.0100	Maintenance And Repair of Haul Roads (project) 04. 8080-05-70	EACH	1.000					1.000			
0210	618.0100	Maintenance And Repair of Haul Roads (project) 05. 8080-07-70	EACH	1.000							1.000	
0212	619.1000	Mobilization	EACH	1.000	0.100	0.100	0.100	0.100	0.200	0.100	0.200	0.100
0214	620.0300	Concrete Median Sloped Nose	SF	128.000							128.000	
0216	624.0100	Water	MGAL	564.000				38.000	268.000		258.000	
0218	625.0100	Topsoil	SY	7,652.000	306.000		471.000	1,455.000	2,626.000		2,794.000	
0220	625.0500	Salvaged Topsoil	SY	3,280.000	131.000		202.000	624.000	1,125.000		1,198.000	
0222	627.0200	Mulching	SY	2,751.000	275.000		275.000	688.000	688.000		825.000	
0224	628.1504	Silt Fence	LF	735.000			361.000		374.000			
0226	628.1905	Mobilizations Erosion Control	EACH	11.000	3.000		1.000	1.000	3.000		3.000	
0228	628.1910	Mobilizations Emergency Erosion Control	EACH	5.000	1.000		1.000	1.000	1.000		1.000	
0230	628.2006	Erosion Mat Urban Class I Type A	SY	10,931.000	436.000		673.000	2,079.000	3,751.000		3,992.000	
0232	628.7005	Inlet Protection Type A	EACH	128.000	16.000		8.000		53.000		51.000	
0234	628.7015	Inlet Protection Type C	EACH	72.000	10.000		2.000		50.000		10.000	
0236	628.7020	Inlet Protection Type D	EACH	92.000	27.000		14.000				51.000	
0238	628.7555	Culvert Pipe Checks	EACH	6.000				4.000	2.000			
0240	629.0210	Fertilizer Type B	CWT	6.900	0.300		0.400	1.300	2.400		2.500	
0242	630.0140	Seeding Mixture No. 40	LB	299.000	13.000		19.000	57.000	102.000		108.000	
0244	630.0200	Seeding Temporary	LB	50.000	5.000		5.000	10.000	15.000		15.000	
0246	630.0500	Seed Water	MGAL	240.000	11.000		16.000	38.000	85.000		90.000	
0248	632.0101	Trees (species) (size) (root) 01. Bur Oak	EACH	13.000					4.000		9.000	
0250	632.0101	Trees (species) (size) (root) 02. Rebbud Zumi Crabapple	EACH	11.000					11.000			
0252	632.0101	Trees (species) (size) (root) 03. Amur Maackia	EACH	5.000					5.000			
0254	632.0101	Trees (species) (size) (root) 04. Common Hackberry	EACH	13.000					7.000		6.000	
0256	632.0101	Trees (species) (size) (root) 05. Skyline Honeylocust	EACH	18.000					8.000		10.000	
0258	632.0101	Trees (species) (size) (root) 06. Thornless Hawthorne	EACH	3.000					3.000			
0260	632.0101	Trees (species) (size) (root) 07. Kentuckey Coffeetree	EACH	6.000					6.000			
0262	632.0101	Trees (species) (size) (root) 07. Kentuckey Coffetree	EACH	6.000							6.000	
0264	632.0101	Trees (species) (size) (root) 08. Ivory Silk Japanese Tree Lilac	EACH	5.000					5.000			
0266	632.0101	Trees (species) (size) (root) 09. London Planetree	EACH	10.000					7.000		3.000	
0268	632.0101	Trees (species) (size) (root) 10. Pin Oak	EACH	9.000					7.000		2.000	
0270	632.0101	Trees (species) (size) (root) 11. Elm Regal	EACH	13.000					7.000		6.000	
0272	632.0101	Trees (species) (size) (root) 12. Spring Flurry Serviceberry	EACH	6.000					6.000			
0274	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	20.000					10.000		10.000	
0276	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	101.000	8.000		5.000	1.000	46.000		41.000	
0278	634.0816	Posts Tubular Steel 2x2-Inch X 16-FT	EACH	57.000	9.000		3.000	1.000	19.000		25.000	

					8080-02-60	8080-02-61	8080-02-72	8080-02-73	8080-05-70	8080-05-72	8080-07-70	8080-07-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0280	637.2210	Signs Type II Reflective H	SF	1,042.240	236.640		146.040	5.000	373.790		280.770	
0282	637.2230	Signs Type II Reflective F	SF	284.840	28.670		9.000	10.670	99.000		137.500	
0284	638.2602	Removing Signs Type II	EACH	196.000	36.000		19.000	3.000	76.000		62.000	
0286	638.3000	Removing Small Sign Supports	EACH	137.000	17.000		8.000	2.000	65.000		45.000	
0288	642.5001	Field Office Type B	EACH	1.000	0.100	0.100	0.100	0.100	0.200	0.100	0.200	0.100
0290	643.0300	Traffic Control Drums	DAY	16,510.000	4,694.000		1,094.000	950.000	3,993.000		5,779.000	
0292	643.0410	Traffic Control Barricades Type II	DAY	3,833.000	886.000		216.000		1,089.000		1,642.000	
0294	643.0420	Traffic Control Barricades Type III	DAY	12,482.000	439.000		129.000	198.000	5,625.000		6,091.000	
0296	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	77.000	60.000		17.000					
0298	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	77.000	60.000		17.000					
0300	643.0705	Traffic Control Warning Lights Type A	DAY	24,112.000	878.000		258.000	540.000	10,942.000		11,494.000	
0302	643.0715	Traffic Control Warning Lights Type C	DAY	496.000	430.000		66.000					
0304	643.0800	Traffic Control Arrow Boards	DAY	57.000	46.000		11.000					
0306	643.0900	Traffic Control Signs	DAY	21,259.000	11,884.000		467.000	583.000	3,184.000		5,141.000	
0308	643.0910	Traffic Control Covering Signs Type I	EACH	10.000	10.000							
0310	643.0920	Traffic Control Covering Signs Type II	EACH	5.000	5.000							
0312	643.1000	Traffic Control Signs Fixed Message	SF	150.000	150.000							
0314	643.1050	Traffic Control Signs PCMS	DAY	28.000	28.000							
0316	643.1070	Traffic Control Cones 42-Inch	DAY	5,267.000	4,948.000		319.000					
0318	643.5000	Traffic Control	EACH	1.000	0.200		0.200	0.200	0.200		0.200	
0320	644.1420	Temporary Pedestrian Surface Plywood	SF	26,298.000	1,792.000		768.000		9,379.000		14,359.000	
0322	644.1601	Temporary Pedestrian Curb Ramp	DAY	4,512.000	336.000		144.000		1,260.000		2,772.000	
0324	644.1810	Temporary Pedestrian Barricade	LF	8,642.000	7,012.000		1,630.000					
0326	645.0130	Geotextile Type R	SY	84.000	4.000				30.000		50.000	
0328	646.1020	Marking Line Epoxy 4-Inch	LF	36,735.000	9,909.000		3,892.000	3,892.000	8,772.000		10,270.000	
0330	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	1,722.000		1,722.000						
0332	646.3020	Marking Line Epoxy 8-Inch	LF	2,230.000	611.000		1,186.000	32.000	351.000		50.000	
0334	646.5020	Marking Arrow Epoxy	EACH	36.000	4.000		6.000	7.000	6.000		13.000	
0336	646.5120	Marking Word Epoxy	EACH	7.000			3.000				4.000	
0338	646.5220	Marking Symbol Epoxy	EACH	12.000							12.000	
0340	646.6120	Marking Stop Line Epoxy 18-Inch	LF	701.000	222.000		125.000		129.000		225.000	
0342	646.7120	Marking Diagonal Epoxy 12-Inch	LF	206.000	92.000		71.000		43.000			
0344	646.7220	Marking Chevron Epoxy 24-Inch	LF	62.000	44.000		18.000					
0346	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	415.000					415.000			
0348	646.7520	Marking Crosswalk Epoxy Block Style 24-Inch	LF	1,092.000					330.000		762.000	
0350	646.8120	Marking Curb Epoxy	LF	3,907.000	1,782.000		327.000		626.000		1,172.000	
0352	646.8220	Marking Island Nose Epoxy	EACH	4.000							4.000	
0354	646.8320	Marking Parking Stall Epoxy	LF	1,007.000	1,007.000							
0356	646.9000	Marking Removal Line 4-Inch	LF	3,188.000	2,600.000		300.000	288.000				
0358	646.9100	Marking Removal Line 8-Inch	LF	150.000	100.000			50.000				

					8080-02-60	8080-02-61	8080-02-72	8080-02-73	8080-05-70	8080-05-72	8080-07-70	8080-07-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0360	649.0105	Temporary Marking Line Paint 4-Inch	LF	10,074.000	3,414.000		3,814.000	2,846.000				
0362	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	5,250.000	4,269.000		981.000					
0364	649.0550	Temporary Marking Arrow Removable Tape	EACH	8.000			8.000					
0366	650.4000	Construction Staking Storm Sewer	EACH	162.000	14.000	5.000	4.000		61.000		78.000	
0368	650.4500	Construction Staking Subgrade	LF	9,922.000				736.000	4,582.000		4,604.000	
0370	650.5000	Construction Staking Base	LF	1,265.000				682.000	189.000		394.000	
0372	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	5,529.000	2,389.000	1,350.000	1,032.000	638.000			120.000	
0374	650.7000	Construction Staking Concrete Pavement	LF	10,089.000	180.000	761.000	490.000	55.000	4,393.000		4,210.000	
0376	650.8000	Construction Staking Resurfacing Reference	LF	3,479.000	2,026.000		815.000	638.000				
0378	650.8500	Construction Staking Electrical Installations (project) 01. 8080-02-60	LS	1.000	1.000							
0380	650.8500	Construction Staking Electrical Installations (project) 02. 8080-02-72	LS	1.000			1.000					
0382	650.8500	Construction Staking Electrical Installations (project) 03. 8080-05-70	LS	1.000					1.000			
0384	650.8500	Construction Staking Electrical Installations (project) 04. 8080-07-70	LS	1.000							1.000	
0386	650.8500	Construction Staking Electrical Installations (project) 05. 8080-02-60	LS	1.000	1.000							
0388	650.9000	Construction Staking Curb Ramps	EACH	102.000	25.000	3.000	8.000		24.000		42.000	
0390	650.9910	Construction Staking Supplemental Control (project) 01. 8080-02-60	LS	1.000	1.000							
0392	650.9910	Construction Staking Supplemental Control (project) 02. 8080-02-72	LS	1.000			1.000					
0394	650.9910	Construction Staking Supplemental Control (project) 03. 8080-02-73	LS	1.000				1.000				
0396	650.9910	Construction Staking Supplemental Control (project) 04. 8080-05-70	LS	1.000					1.000			
0398	650.9910	Construction Staking Supplemental Control (project) 05. 8080-07-70	LS	1.000							1.000	
0400	650.9920	Construction Staking Slope Stakes	LF	3,394.000			548.000	638.000	1,814.000		394.000	
0402	651.1000.S	Signal Controller Training	LS	1.000			1.000					
0404	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	4,412.000	3,749.000		93.000		300.000		270.000	
0406	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	1,674.000	40.000		850.000		784.000			
0408	652.0605	Conduit Special 2-Inch	LF	134.000	134.000							
0410	652.0615	Conduit Special 3-Inch	LF	438.000	438.000							
0412	652.0800	Conduit Loop Detector	LF	976.000					976.000			
0414	653.0140	Pull Boxes Steel 24x42-Inch	EACH	4.000							4.000	
0416	653.0154	Pull Boxes Non-Conductive 24x36-Inch	EACH	2.000					2.000			
0418	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	28.000	12.000		8.000		8.000			
0420	653.0905	Removing Pull Boxes	EACH	27.000	4.000		12.000		11.000			
0422	654.0101	Concrete Bases Type 1	EACH	18.000			7.000		7.000		4.000	

					8080-02-60	8080-02-61	8080-02-72	8080-02-73	8080-05-70	8080-05-72	8080-07-70	8080-07-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0424	654.0102	Concrete Bases Type 2	EACH	4.000	1.000				3.000			
0426	654.0110	Concrete Bases Type 10	EACH	3.000			2.000		1.000			
0428	654.0113	Concrete Bases Type 13	EACH	2.000			2.000					
0430	654.0120	Concrete Bases Type 10-Special	EACH	2.000			1.000		1.000			
0432	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	2.000			1.000		1.000			
0434	655.0230	Cable Traffic Signal 5-14 AWG	LF	2,208.000			943.000		1,265.000			
0436	655.0250	Cable Traffic Signal 9-14 AWG	LF	878.000			246.000		632.000			
0438	655.0260	Cable Traffic Signal 12-14 AWG	LF	595.000			595.000					
0440	655.0305	Cable Type UF 2-12 AWG Grounded	LF	676.000			384.000		292.000			
0442	655.0320	Cable Type UF 2-10 AWG Grounded	LF	489.000							489.000	
0444	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	1,407.000			714.000		693.000			
0446	655.0610	Electrical Wire Lighting 12 AWG	LF	6,051.000	5,040.000		525.000		486.000			
0448	655.0620	Electrical Wire Lighting 8 AWG	LF	4,943.000	4,943.000							
0450	655.0625	Electrical Wire Lighting 6 AWG	LF	24,715.000	24,715.000							
0452	655.0700	Loop Detector Lead In Cable	LF	1,488.000					1,488.000			
0454	655.0800	Loop Detector Wire	LF	2,928.000					2,928.000			
0456	655.0900	Traffic Signal EVP Detector Cable	LF	1,154.000			647.000		507.000			
0458	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. STH 35 & Coulee Rd/Buckeye St	LS	1.000			1.000					
0460	656.0200	Electrical Service Meter Breaker Pedestal (location) 02. STH 35 & Monroe Intersection	LS	1.000					1.000			
0462	657.0100	Pedestal Bases	EACH	14.000			7.000		7.000			
0464	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	3.000					3.000			
0466	657.0310	Poles Type 3	EACH	3.000					3.000			
0468	657.0345	Poles Type 9	EACH	1.000					1.000			
0470	657.0350	Poles Type 10	EACH	2.000			2.000					
0472	657.0352	Poles Type 10-Special	EACH	2.000			1.000		1.000			
0474	657.0360	Poles Type 13	EACH	2.000			2.000					
0476	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	7.000			4.000		3.000			
0478	657.0430	Traffic Signal Standards Aluminum 10-FT	EACH	7.000			3.000		4.000			
0480	657.0520	Monotube Arms 20-FT	EACH	2.000			2.000					
0482	657.0530	Monotube Arms 30-FT	EACH	1.000					1.000			
0484	657.0536	Monotube Arms 35-FT-Special	EACH	1.000					1.000			
0486	657.0546	Monotube Arms 45-FT-Special	EACH	1.000			1.000					
0488	657.0555	Monotube Arms 55-FT	EACH	1.000			1.000					
0490	657.0590	Trombone Arms 20-FT	EACH	1.000					1.000			
0492	657.0595	Trombone Arms 25-FT	EACH	1.000					1.000			
0494	657.0609	Luminaire Arms Single Member 4-Inch Clamp 6-FT	EACH	2.000					2.000			
0496	657.0704	Luminaire Arms Truss Type 4-Inch Clamp 10-FT	EACH	1.000					1.000			
0498	657.0808	Luminaire Arms Steel 8-FT	EACH	2.000			1.000		1.000			

Line	Item	Item Description	Unit	Total	8080-02-60 Qty	8080-02-61 Qty	8080-02-72 Qty	8080-02-73 Qty	8080-05-70 Qty	8080-05-72 Qty	8080-07-70 Qty	8080-07-72 Qty
0500	657.0810	Luminaire Arms Steel 10-FT	EACH	2.000			2.000					
0502	657.0812	Luminaire Arms Steel 12-FT	EACH	1.000					1.000			
0504	657.0815	Luminaire Arms Steel 15-FT	EACH	1.000			1.000					
0506	658.0173	Traffic Signal Face 3S 12-Inch	EACH	18.000			6.000		12.000			
0508	658.0174	Traffic Signal Face 4S 12-Inch	EACH	16.000			12.000		4.000			
0510	658.0416	Pedestrian Signal Face 16-Inch	EACH	12.000			6.000		6.000			
0512	658.0500	Pedestrian Push Buttons	EACH	12.000			6.000		6.000			
0514	658.5069	Signal Mounting Hardware (location) 01. STH 35 & Coulee Rd/Buckeye St	LS	1.000			1.000					
0516	658.5069	Signal Mounting Hardware (location) 02. STH 35 & Monroe Intersection	LS	1.000					1.000			
0518	659.1115	Luminaires Utility LED A	EACH	4.000					4.000			
0520	659.1125	Luminaires Utility LED C	EACH	4.000			4.000					
0522	661.0200	Temporary Traffic Signals for Intersections (location) 01. STH 35 & Coulee Rd/Buckeye St	LS	1.000			1.000					
0524	661.0200	Temporary Traffic Signals for Intersections (location) 02. STH 35 & Division Street	LS	1.000							1.000	
0526	661.0200	Temporary Traffic Signals for Intersections (location) 03. STH 35 & North Street/Shop Road	LS	1.000							1.000	
0528	661.0200	Temporary Traffic Signals for Intersections (location) 04. STH 35 & South Street	LS	1.000					1.000			
0530	690.0150	Sawing Asphalt	LF	4,076.000	862.000	275.000	111.000	727.000	1,452.000		649.000	
0532	690.0250	Sawing Concrete	LF	18,036.000	11,085.000	871.000	264.000	45.000	880.000	680.000	4,211.000	
0534	715.0415	Incentive Strength Concrete Pavement	DOL	23,913.000		2,600.000			10,964.000		10,349.000	
0536	715.0710	Optimized Aggregate Gradation Incentive	DOL	46,360.000					23,850.000		22,510.000	
0538	740.0440	Incentive IRI Ride	DOL	6,500.000					3,320.000		3,180.000	
0540	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,400.000					700.000		700.000	
0542	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,600.000					800.000		800.000	
0544	SPV.0060	Special 01. Gate Valve & Box 4-Inch	EACH	1.000								1.000
0546	SPV.0060	Special 02. Gate Valve & Box 6-Inch	EACH	27.000						15.000		12.000
0548	SPV.0060	Special 03. Gate Valve & Box 8-Inch	EACH	27.000						15.000		12.000
0550	SPV.0060	Special 04. Gate Valve & Box 12-Inch	EACH	12.000						2.000		10.000
0552	SPV.0060	Special 05. Remove Hydrant	EACH	11.000						5.000		6.000
0554	SPV.0060	Special 06. Hydrant	EACH	23.000						13.000		10.000
0556	SPV.0060	Special 07. Connect to Existing Water Main	EACH	18.000						8.000		10.000
0558	SPV.0060	Special 08. Curb Stop & Box 1-Inch	EACH	152.000						76.000		76.000
0560	SPV.0060	Special 09. Curb Stop & Box 1 1/2-Inch	EACH	5.000								5.000
0562	SPV.0060	Special 10. Corporation 1-Inch	EACH	152.000						76.000		76.000
0564	SPV.0060	Special 11. Corporation 1 1/2-Inch	EACH	5.000								5.000
0566	SPV.0060	Special 12. Connect to Existing Water Service	EACH	157.000						76.000		81.000
0568	SPV.0060	Special 13. Sanitary Manhole 4-FT Diameter	EACH	37.000		6.000				18.000		13.000

					8080-02-60	8080-02-61	8080-02-72	8080-02-73	8080-05-70	8080-05-72	8080-07-70	8080-07-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0570	SPV.0060	Special 14. Sanitary Manhole 5-FT Diameter	EACH	5.000		3.000						2.000
0572	SPV.0060	Special 15. Sanitary Service Wye 8x4-Inch	EACH	135.000						79.000		56.000
0574	SPV.0060	Special 16. Sanitary Service Wye 8x6-Inch	EACH	6.000								6.000
0576	SPV.0060	Special 17. Sanitary Service Wye 10x4-Inch	EACH	25.000								25.000
0578	SPV.0060	Special 18. Sanitary Service Wye 10x6-Inch	EACH	3.000								3.000
0580	SPV.0060	Special 19. Sanitary Service Wye 24x6-Inch	EACH	1.000		1.000						
0582	SPV.0060	Special 20. Connect to Existing Sanitary Sewer Service	EACH	169.000		1.000				79.000		89.000
0584	SPV.0060	Special 21. Connect to Existing Sanitary Manhole	EACH	7.000		4.000				1.000		2.000
0586	SPV.0060	Special 22. Connect to Existing Sanitary Sewer	EACH	11.000		2.000				4.000		5.000
0588	SPV.0060	Special 23. Remove Existing Structure	EACH	28.000		3.000				17.000		8.000
0590	SPV.0060	Special 24. Adjust Existing Casting	EACH	6.000	1.000	3.000				2.000		
0592	SPV.0060	Special 25. Concrete Base Type Special	EACH	25.000	25.000							
0594	SPV.0060	Special 26. Concrete Control Cabinet Base Type Special	EACH	1.000	1.000							
0596	SPV.0060	Special 27. Lighting Control Cabinet Type Special	EACH	1.000	1.000							
0598	SPV.0060	Special 28. Salvage Lighting Unit	EACH	31.000	31.000							
0600	SPV.0060	Special 29. Salvage Luminaire	EACH	4.000	4.000							
0602	SPV.0060	Special 30. Lighting Unit Type Special	EACH	23.000	23.000							
0604	SPV.0060	Special 31. Luminaire Type Special	EACH	4.000	4.000							
0606	SPV.0060	Special 32. Install Salvaged Lighting Unit	EACH	1.000	1.000							
0608	SPV.0060	Special 33. Install Salvaged Lighting Unit With New Luminaire	EACH	1.000	1.000							
0610	SPV.0060	Special 34. Adjust Existing Valve Box	EACH	23.000	9.000	11.000				3.000		
0612	SPV.0060	Special 35. Connecting New Storm Structure to Existing Storm Sewer Pipe	EACH	23.000					9.000		14.000	
0614	SPV.0060	Special 36. Connecting New Storm Sewer Pipe to Existing Storm Sewer Pipe	EACH	6.000					5.000		1.000	
0616	SPV.0060	Special 37. Inlets 6-FT Diameter	EACH	1.000					1.000			
0618	SPV.0060	Special 38. Adjusting Inlet Covers and Replacing Rings	EACH	4.000			4.000					
0620	SPV.0085	Special 01. Water Main Fittings	LB	5,709.000						1,920.000		3,789.000
0622	SPV.0090	Special 01. Water Main Ductile Iron 4-Inch	LF	10.000								10.000
0624	SPV.0090	Special 02. Water Main Ductile Iron 6-Inch	LF	558.000						353.000		205.000
0626	SPV.0090	Special 03. Water Main Ductile Iron 8-Inch	LF	4,992.000						4,383.000		609.000
0628	SPV.0090	Special 04. Water Main Ductile Iron 12-Inch	LF	3,163.000						50.000		3,113.000
0630	SPV.0090	Special 05. Water Service Copper 1-Inch	LF	4,818.000						2,369.000		2,449.000
0632	SPV.0090	Special 06. Water Service Copper 1 1/2-Inch	LF	167.000								167.000
0634	SPV.0090	Special 07. Sanitary Sewer PVC 8-Inch	LF	6,510.000		48.000				4,239.000		2,223.000
0636	SPV.0090	Special 08. Sanitary Sewer PVC 10-Inch	LF	900.000								900.000
0638	SPV.0090	Special 09. Sanitary Sewer PVC 15-Inch	LF	745.000		745.000						
0640	SPV.0090	Special 10. Sanitary Sewer PVC 18-Inch	LF	7.000		7.000						
0642	SPV.0090	Special 11. Sanitary Sewer PVC 24-Inch	LF	505.000		505.000						

					8080-02-60	8080-02-61	8080-02-72	8080-02-73	8080-05-70	8080-05-72	8080-07-70	8080-07-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0644	SPV.0090	Special 12. Sanitary Sewer Steel Casing 30-Inch	LF	32.000		32.000						
0646	SPV.0090	Special 13. Sanitary Sewer Steel Casing 30-Inch Special	LF	51.000		51.000						
0648	SPV.0090	Special 14. Sanitary Service PVC 4-Inch	LF	5,257.000						2,533.000		2,724.000
0650	SPV.0090	Special 15. Sanitary Service PVC 6-Inch	LF	298.000		10.000						288.000
0652	SPV.0090	Special 18. Remove Retaining Walls	LF	50.000		50.000						
0654	SPV.0090	Special 19. Salvage and Reinstall Fence	LF	185.000		185.000						
0656	SPV.0090	Special 20. Salvage and Reinstall Beam Guard	LF	65.000					40.000		25.000	
0658	SPV.0090	Special 21. Salvage Modular Block Retaining Wall	LF	130.000	27.000				50.000		53.000	
0660	SPV.0090	Special 22. Retaining Wall Footing	LF	103.000					50.000		53.000	
0662	SPV.0090	Special 23. Marking Crosswalk Grooved Epoxy Ladder Pattern 36-Inch	LF	982.000	732.000		250.000					
0664	SPV.0090	Special 24. Concrete Curb and Gutter24-Inch Type A	LF	50.000							50.000	
0666	SPV.0090	Special 25. Cure and Seal Treatment Concrete Curb and Gutter	LF	23,615.000	2,366.000	1,350.000	925.000	638.000	9,169.000	44.000	9,123.000	
0668	SPV.0090	Special 26. Cure and Seal Treatment Concrete Curb Pedestrian	LF	288.000	52.000				52.000	134.000	50.000	
0670	SPV.0090	Special 27. Concrete Curb and Gutter 24-Inch Type D	LF	288.000	288.000							
0672	SPV.0105	Special 01. Abandon Existing Water System, 8080-05-72	LS	1.000						1.000		
0674	SPV.0105	Special 02. Abandon Existing Sanitary System, 8080-02-61	LS	1.000		1.000						
0676	SPV.0105	Special 03. Inside Drop	LS	1.000								1.000
0678	SPV.0105	Special 05. Salvage and Reinstall Light Pole	LS	1.000	1.000							
0680	SPV.0105	Special 06. Salvage and Reinstall Sign	LS	1.000		1.000						
0682	SPV.0105	Special 07. Remove Pedestrian Beacon STH 35 & St. Croix Street	LS	1.000							1.000	
0684	SPV.0105	Special 08. AC Powered RRFB System STH 35 & St. Croix Street	LS	1.000							1.000	
0686	SPV.0105	Special 09. Remove and Salvage Traffic Signals, STH 35 and Coulee Road	LS	1.000			1.000					
0688	SPV.0105	Special 10. Remove and Salvage Traffic Signals, STH 35 and Monroe Street	LS	1.000					1.000			
0690	SPV.0105	Special 11. Temporary Non-Intrusive Vehicle Detection System, STH 35 & Division Street	LS	1.000							1.000	
0692	SPV.0105	Special 12. Temporary Non-Intrusive Vehicle Detection System, STH 35 & North Street/Shop	LS	1.000							1.000	
0694	SPV.0105	Special 13. Temporary Non-Intrusive Vehicle Detection System, STH 35 & South Street	LS	1.000					1.000			
0696	SPV.0105	Special 14. Traffic Signal Controller and Cabinet Fully Actuated 8 Phase, STH 35 & Coule	LS	1.000			1.000					
0698	SPV.0105	Special 15. Emergency Vehicle Preemtion System, STH 35 & Coulee Road	LS	1.000			1.000					

Line	Item	Item Description	Unit	Total	8080-02-60 Qty	8080-02-61 Qty	8080-02-72 Qty	8080-02-73 Qty	8080-05-70 Qty	8080-05-72 Qty	8080-07-70 Qty	8080-07-72 Qty
0700	SPV.0105	Special 16. Install State Furnished EVP Detector Heads, STH 35 & Monroe Street	LS	1.000					1.000			
0702	SPV.0105	Special 17. Furnish and Install Video Vehicular Detection System, STH 35 & Coulee Rd/Buc	LS	1.000			1.000					
0704	SPV.0105	Special 18. Abandon Existing Water System, 8080-07-72	LS	1.000								1.000
0706	SPV.0105	Special 19. Abandon Existing Sanitary System, 8080-05-72	LS	1.000						1.000		
0708	SPV.0105	Special 20. Abandon Existing Sanitary System, 8080-07-72	LS	1.000								1.000
0710	SPV.0165	Special 01. Insulation	SF	4,232.000						3,592.000		640.000
0712	SPV.0165	Special 02. Remove, Salvage and Reinstall Brick Pavers	SF	221.000					200.000		21.000	
0714	SPV.0165	Special 03. Cure and Seal Treatment Concrete Median Slope Nose	SF	128.000							128.000	
0716	SPV.0165	Special 04. Cure and Seal Treatment Concrete Sidewalk	SF	92,994.000	22,130.000	928.000	2,731.000		11,310.000	5,391.000	50,504.000	
0718	SPV.0165	Special 05. Cure and Seal Treatment Concrete Steps	SF	32.000					32.000			
0720	SPV.0180	Special 02. Concrete Pavement 5 1/2-Inch	SY	635.000			635.000					
0722	SPV.0180	Special 03. Concrete Pavement Repair Doweled	SY	1,021.000	1,021.000							
0724	SPV.0180	Special 04. Concrete Pavement Replacement Doweled	SY	567.000	567.000							
0726	SPV.0180	Special 05. 30" Concrete Centerline Repair	SY	29.000	29.000							
0728	SPV.0200	Special 01. Excess Manhole Depth	VF	163.000		86.000				49.000		28.000

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8080-02-60

CITY OF HUDSON, SECOND STREET
FRONT STREET TO VINE STREET
STH 35
ST CROIX COUNTY

CATEGORY 0010 ROADWAY CONSTRUCTION
CATEGORY 0020 ROADWAY CONSTRUCTION: CITY OF HUDSON
CATEGORY 0030 NON-PARTICIPATING: LIGHTING
CATEGORY 0040 NON-PARTICIPATING: PARKING LANES

8080-02-61

CITY OF HUDSON, SECOND STREET
FRONT STREET TO VINE STREET
(SANITARY SEWER)
STH 35
ST CROIX COUNTY

CATEGORY 0010 SANITARY SEWER AND WATER UTILITIES

8080-02-72

CITY OF HUDSON, SECOND STREET
COULEE INTERSECTION
STH 35
ST CROIX COUNTY

CATEGORY 0010: ROADWAY CONSTRUCTION: SAFETY

8080-07-70

CITY OF HUDSON, SECOND STREET
VINE STREET TO WILLOW RIVER
STH 35
ST CROIX COUNTY

CATEGORY 0010 ROADWAY CONSTRUCTION
CATEGORY 0020 NON-PARTICIPATING: ROADWAY CITY OF HUDSON

8080-07-72

CITY OF HUDSON, SECOND STREET
VINE STREET TO WILLOW RIVER
(SANITARY SEWER AND WATER)
STH 35
ST CROIX COUNTY

CATEGORY 0010 - WATER & SANITARY UTILITIES

8080-05-70

VILLAGE NORTH HUDSON, 6TH STREET
LAKE MALLALIEU BRIDGE - SOMMERS ST
STH 35
ST CROIX COUNTY

CATEGORY 0010 ROADWAY CONSTRUCTION
CATEGORY 0020 NEW/UPSIZED TRUNKLINE STORM SEWER
CATEGORY 0030 BRIDGE CONSTR: LAKE MALLALIEU B-55-0073
CATEGORY 0040 LANDSCAPING

8080-05-72

VILLAGE NORTH HUDSON, 6TH STREET
LAKE MALLALIEU BRIDGE - SOMMERS ST
(SANITARY SEWER AND WATER)
STH 35
ST CROIX COUNTY

CATEGORY 0010: SANITARY SEWER AND WATER

8080-02-73

VILLAGE NORTH HUDSON, 6TH STREET
SOMMERS ST TO NORTH END RD
STH 35
ST CROIX COUNTY

CATEGORY 0010 ROADWAY CONSTRUCTION: SAFETY

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CLEARING & GRUBBING

CATEGORY	STATION TO STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA
0010	27+00 – 37+00	STH 35	10	10
	384+00K – 385+00K	ELM	1	1
	38+00 – 42+00	STH 35	4	4
	43+00 – 44+00	STH 35	1	1
	45+00 – 46+00	STH 35	1	1
	47+00 – 51+00	STH 35	4	4
	62+00 – 63+00	STH 35	1.0	1
CATEGORY 0010 SUBTOTALS			**22**	**22**
0020	44+00 – 45+00	STH 35	1	1
CATEGORY 0020 SUBTOTALS			**1**	**1**
	PROJECT ID 8080-07-70 SUMMARY		**23**	**23**
0010	68+00 – 69+00	STH 35	1	1
	70+00 – 71+00	STH 35	1	1
	73+00 – 79+00	STH 35	6	6
	81+00 – 82+00	STH 35	1	1
	89+00 – 91+00	STH 35	2	2
	PROJECT ID 8080-05-70 SUMMARY		**11**	**11**
0010	68+50 – 69+50	STH 35	1	1
	PROJECT ID 8080-05-72 SUMMARY		**1**	**1**
0020	242+00 – 18+00	STH 35	1	1
	PROJECT ID 8080-02-60 SUMMARY		**1**	**1**
0010	205+00 – 208+00	STH 35	3	3
	210+00 – 216+00	STH 35	6	6
	PROJECT ID 8080-02-61 SUMMARY		**9**	**9**
	PROJECT TOTALS		**45**	**45**

REMOVING ASPHALTIC SURFACE MILLING

CATEGORY	STATION TO STATION	LOCATION	204.0120 SY
0010	SOMMERS TO NORTH END	STH 35	2055
	PROJECT ID 8080-02-73 SUMMARY		**2055**
0010	VINE ST	STH 35	680
CATEGORY 0010 SUBTOTAL			**680**
0040	VINE ST	STH 35	140
CATEGORY 0040 SUBTOTAL			**140**
	PROJECT ID 8080-02-60 SUMMARY		**820**
	PROJECT TOTAL		**2875**

REMOVING PAVEMENT

CATEGORY	STATION TO STATION	LOCATION	204.0100 CONCRETE PAVEMENT SY	204.0105 BUTT JOINTS SY	204.0110 ASPHALTIC SURFACE SY	204.0115 ASPHALTIC SURFACE BUTT JOINTS SY
0010	VINE TO SHOP	STH 35	17770	---	---	---
	VINE TO ELM	LT	12	---	---	---
	VINE TO ELM	RT	86	---	---	---
	ORANGE TO MYRTLE	LT	45	---	---	---
	ORANGE TO MYRTLE	RT	64	---	---	---
	MYRTLE TO ST CROIX	LT	66	---	---	---
	MYRTLE TO ST CROIX	RT	108	---	---	---
	RIVER TO DIVISION	LT	27	---	---	---
CATEGORY 0010 SUBTOTALS			**18178**	**---**	**---**	**---**
0020	VINE INTERSECTION	STH 35	42	42	---	---
CATEGORY 0020 SUBTOTALS			**42**	**42**	**---**	**---**
	PROJECT ID 8080-07-70 SUMMARY		**18220**	**42**	**---**	**---**
0010	SOUTH TO WISCONSIN N	RT	27	---	---	---
	WISCONSIN N TO ST CROIX N	LT	128	---	---	---
	WISCONSIN N TO ST CROIX N	RT	111	---	---	---
	ST CROIX N TO MONROE	LT	173	---	---	---
	ST CROIX N TO MONROE	RT	34	---	---	---
	MONROE TO MICHAELSON	LT	236	---	---	---
	MONROE TO MICHAELSON	RT	166	---	---	---
	MICHAELSON TO SOMMERS	LT	243	---	---	---
	MICHAELSON TO SOMMERS	RT	43	---	---	---
	PROJECT ID 8080-05-70 SUMMARY		**1161**	**---**	**---**	**---**
0010	WISCONSIN N		---	---	47	---
	MICHAELSON		---	---	116	---
	PROJECT ID 8080-05-72 SUMMARY		**---**	**---**	**163**	**---**
0010	SOMMERS TO NORTH END	RT	140	---	---	---
	NORTH END RD INTERSECTION	STH 35	---	---	---	14
	PROJECT ID 8080-02-73 SUMMARY		**140**	**---**	**---**	**14**
0010	WISCONSIN ST	LT/RT	---	---	---	44
	COMMERCIAL ST	LT/RT	---	---	---	68
	WALNUT ST	LT/RT	---	---	---	85
	LOCUST ST	LT/RT	---	---	---	99
	VINE ST	LT/RT	---	---	---	74
	21+50	STH 35	---	246	---	---
CATEGORY 0010 SUBTOTALS			**---**	**246**	**---**	**370**
0020	231+81 – 231+89	WISCONSIN	---	---	7	---
	231+81 – 232+35	LT/RT	138	---	---	---
	242+20 – 18+48	LT/RT	528	---	---	---
	242+62 – 18+09	LOCUST	---	---	245	---
CATEGORY 0020 SUBTOTALS			**666**	**---**	**252**	**---**
	PROJECT ID 8080-02-60 SUMMARY		**666**	**246**	**252**	**370**

~ CONTINUE ~

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ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

REMOVING PAVEMENT ~ CONTINUED ~

CATEGORY	STATION TO STATION	LOCATION	204.0100 CONCRETE PAVEMENT SY	204.0105 BUTT JOINTS SY	204.0110 ASPHALTIC SURFACE SY	204.0115 ASPHALTIC SURFACE BUTT JOINTS SY
0010	218+02	STH 35	---	267	---	---
	219+65	RT	---	---	---	39
	COULEE RD	STH 35	---	---	---	79
	PROJECT ID 8080-02-72 SUMMARY		**---**	**267**	**---**	**118**
0010	205+99 - 213+60	RT	2006	---	---	---
	205+35 - 214+44	RT	---	---	713	---
	205+92 - 206+16	RT	---	---	39	---
	208+11 - 208+67	RT	---	---	249	---
	215+72 - 218+31	RT	---	---	832	---
	PROJECT ID 8080-02-61 SUMMARY		**2006**	**---**	**1833**	**---**
	PROJECT TOTALS		**22193**	**555**	**2248**	**502**

REMOVING CURB & GUTTER

CATEGORY	STATION TO STATION	LOCATION	204.0150 LF
0010	VINE TO ELM	LT	118
	VINE TO ELM	RT	177
	ELM TO ORANGE	LT	84
	ELM TO ORANGE	RT	94
	ORANGE TO MYRTLE	LT	75
	ORANGE TO MYRTLE	RT	83
	MYRTLE TO ST CROIX	LT	88
	MYRTLE TO ST CROIX	RT	85
	ST CROIX TO RIVER	LT	74
	ST CROIX TO RIVER	RT	86
	RIVER TO DIVISION	LT	44
	RIVER TO DIVISION	RT	100
	DIVISION TO NORTH	LT	497
	DIVISION TO SHOP	RT	448
	NORTH TO WILLOW BRIDGE	LT	204
	SHOP TO WILLOW BRIDGE	RT	296
	PROJECT ID 8080-07-70 SUMMARY		**2553**
0010	WILLOW BRIDGE TO SOUTH	RT	185
	SOUTH TO WISCONSIN N	RT	422
	WILLOW BRIDGE TO WISCONSIN N	LT	561
	WISCONSIN N TO ST CROIX N	RT	698
	WISCONSIN N TO ST CROIX N	LT	698
	ST CROIX N TO MONROE	RT	440
	ST CROIX N TO MONROE	LT	433
	MONROE TO MICHAELSON	RT	1279
	MICHAELSON TO SOMMERS	RT	1539
	MONROE TO SOMMERS	LT	2730
	PROJECT ID 8080-05-70 SUMMARY		**8985**

~ CONTINUE ~

REMOVING CONCRETE SURFACE PARTIAL DEPTH

CATEGORY	STATION TO STATION	LOCATION	204.0109.S SY
0010	226+17 - 242+87.90	STH 35	56580
	17+87.90 - 22+20.80	STH 35	9260
CATEGORY 0010 SUBTOTAL			**65840**
0040	226+17 - 242+87.90	STH 35	28240
	17+87.90 - 22+20.80	STH 35	6250
CATEGORY 0040 SUBTOTAL			**34490**
	PROJECT ID 8080-02-60 SUMMARY		**100330**
0010	218+02 - 222+96	STH 35	49835
	PROJECT ID 8080-02-72 SUMMARY		**49835**
	PROJECT TOTAL		**150165**

REMOVING CURB & GUTTER ~ CONTINUED ~

CATEGORY	STATION TO STATION	LOCATION	204.0150 LF
0010	WISCONSIN ST N		14
	MICHAELSON		24
	PROJECT ID 8080-05-72 SUMMARY		**38**
0010	226+17 - 242+87.90	RT	444
	17+87.90 - 22+20.80	RT	117
	WISCONSIN ST	LT/RT	306
	COMMERCIAL ST	LT/RT	241
	WALNUT ST	LT/RT	272
	LOCUST ST	LT/RT	291
	VINE ST	LT/RT	334
CATEGORY 0010 SUBTOTAL			**2005**
0020	231+71 - 232+35	WISCONSIN	116
	242+20 - 242+62	LOCUST	156
	18+07 - 18+48	LOCUST	156
CATEGORY 0020 SUBTOTAL			**428**
	PROJECT ID 8080-02-60 SUMMARY		**2433**
0010	205+440	RT	18
	205+90 - 206+17	RT	55
	206+00 - 208+29	RT	259
	208+56 - 213+60	RT	538
	215+71 - 218+30	RT	457
	PROJECT ID 8080-02-61 SUMMARY		**1327**
0010	218+02 - 222+96	RT	530
	COULEE RD	LT/RT	354
	PROJECT ID 8080-02-72 SUMMARY		**884**
	PROJECT TOTAL		**16220**

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

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REMOVING CONCRETE SIDEWALK

CATEGORY	STATION TO STATION	LOCATION	204.0155 SY
0010	VINE TO ELM	LT	61
	VINE TO ELM	RT	33
	ELM TO ORANGE	LT	161
	ELM TO ORANGE	RT	38
	ORANGE TO MYRTLE	LT	83
	ORANGE TO MYRTLE	RT	70
	MYRTLE TO ST CROIX	LT	104
	MYRTLE TO ST CROIX	RT	127
	ST CROIX TO RIVER	LT	86
	ST CROIX TO RIVER	RT	58
	RIVER TO DIVISION	LT	75
	RIVER TO DIVISION	RT	66
	DIVISION TO NORTH	LT	74
	DIVISION TO SHOP	RT	85
	NORTH TO WILLOW BRIDGE	LT	40
	SHOP TO WILLOW BRIDGE	RT	73
CATEGORY 0010 SUBTOTAL			**1233**
0020	VINE TO ELM	LT/RT	296
	ELM TO ORANGE	LT/RT	352
	ORANGE TO MYRTLE	LT/RT	244
	MYRTLE TO ST CROIX	LT/RT	625
	ST CROIX TO RIVER	LT/RT	407
	RIVER TO DIVISION	LT/RT	355
	DIVISION TO NORTH	LT	603
	DIVISION TO SHOP	RT	531
	NORTH TO WILLOW RIVER	LT	85
	SHOP TO WILLOW RIVER	RT	139
CATEGORY 0020 SUBTOTAL			**3637**
	PROJECT ID 8080-07-70 SUMMARY		**4870**
0010	WILLOW BRIDGE TO SOUTH	RT	34
	WILLOW BRIDGE TO WISCONSIN N	LT	47
	SOUTH TO WISCONSIN N	RT	44
	WISCONSIN N TO ST CROIX N	LT	178
	WISCONSIN N TO ST CROIX N	RT	144
	ST CROIX N TO MONROE	LT	83
	ST CROIX N TO MONROE	RT	63
	MONROE TO MICHAELSON	LT	156
	MONROE TO MICHAELSON	RT	178
	MICHAELSON TO SOMMERS	LT	123
	MICHAELSON TO SOMMERS	RT	6
	PROJECT ID 8080-05-70 SUMMARY		**1055**
0010	SOUTH TO WISCONSIN N	LT/RT	12
	WISCONSIN N TO ST CROIX N	LT/RT	155
	ST CROIX N TO MONROE	LT/RT	62
	MONROE TO MICHAELSON	LT/RT	225
	MICHAEALSON TO SOMMERS	LT/RT	145
	PROJECT ID 8080-05-72 SUMMARY		**599**

~ CONTINUE ~

REMOVING CONCRETE SIDEWALK ~ CONTINUED ~

CATEGORY	STATION TO STATION	LOCATION	204.0155 SY
0010	226+17 - 242+87.90	RT	304
	17+87.90 - 22+20.80	RT	109
	WISCONSIN ST	LT/RT	182
	COMMERCIAL ST	LT/RT	184
	WALNUT ST	LT/RT	218
	LOCUST ST	LT/RT	208
	VINE ST	LT/RT	217
CATEGORY 0010 SUBTOTAL			**1422**
0020	231+84 - 232+39	LT/RT	73
	242+23 - 242+60	LT/RT	125
	18+09 - 18+51	LT/RT	132
CATEGORY 0020 SUBTOTAL			**330**
0030	225+37 - 231+84	RT	127
	226+27 - 231+37	LT	95
	232+38 - 234+74	LT/RT	158
	235+05 - 238+73	LT/RT	222
	239+10 - 242+26	LT/RT	175
	18+50 - 21+54	LT/RT	203
	22+13 - 22+31	LT	6
CATEGORY 0030 SUBTOTAL			**986**
	PROJECT ID 8080-02-60 SUMMARY		**2738**
0010	210+80 - 211+18	LT	21
	216+43 - 216+54	RT	11
	217+16 - 218+07	RT	43
	PROJECT ID 8080-02-61 SUMMARY		**75**
0010	218+02 - 222+96	RT	214
	COULEE RD	LT/RT	363
	PROJECT ID 8080-02-72 SUMMARY		**577**
	PROJECT TOTAL		**9914**

REMOVING MASONRY

STATION	LOCATION	204.0185 CY
89+63	LT	0.15
PROJECT ID 8080-05-70 SUMMARY		**0.15**

PREPARE FOUNDATION FOR ASPHALTIC PAVING

STATION TO STATION	LOCATION	211.0100 LS
PROJECT ID 8080-02-60	STH 35	1
PROJECT ID 8080-02-60 SUMMARY		**1**
PROJECT ID 8080-02-72	STH 35	1
PROJECT ID 8080-02-72 SUMMARY		**1**
PROJECT TOTAL		**2**

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ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

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REMOVING STORM MANHOLES

CATEGORY	STATION	LOCATION	204.0210 EACH
0010	26+13	34' LT	1
	29+65	45' LT	1
	33+66	38' LT	1
	52+37	13' RT	1
	55+00	14' RT	1
	57+61	14' RT	1
	61+10	18' RT	1
	62+17	20' RT	1
PROJECT ID 8080-07-70 SUMMARY			**8**
0020	70+47	0'	1
	73+28	8' LT	1
	73+90	5' LT	1
	80+22	15' LT	1
	80+23	3' LT	1
	81+87	3' LT	1
	84+03	3' LT	1
	84+50	3' LT	1
	89+00	3' LT	1
	90+84	4' LT	1
	92+34	7' LT	1
	92+34	20' LT	1
	93+84	6' LT	1
	96+52	6' LT	1
	96+59	27' RT	1
	98+22	6' LT	1
	103+83	6' LT	1
	103+83	24' RT	1
	108+63	22' RT	1
	111+14	38' RT	1
PROJECT ID 8080-05-70 SUMMARY			**20**
PROJECT TOTAL			**28**

REMOVING INLETS

CATEGORY	STATION	LOCATION	204.0220 EACH
0010	25+72	37' RT	1
	26+03	38' RT	1
	29+52	19' RT	1
	29+52	19' LT	1
	29+67	37' RT	1
	30+06	37' RT	1
	33+50	19' LT	1
	33+65	20' RT	1
	33+73	46' LT	1
	34+03	35' RT	1
	41+65	18' RT	1
	41+78	18' LT	1
	41+84	39' RT	2

~ CONTINUE ~

REMOVING INLETS ~ CONTINUED ~

CATEGORY	STATION	LOCATION	204.0220 EACH
	42+21	10' RT	1
	46+47	35' RT	1
	46+79	37' LT	1
	46+81	20' RT	1
	51+05	35' RT	1
	51+34	35' RT	1
	52+35	17' RT	1
	55+00	18' RT	1
	55+00	18' LT	1
	57+62	18' RT	1
	57+67	18' LT	1
	61+08	22' RT	1
	61+23	60' RT	1
	61+74	34' RT	1
	61+92	18' LT	1
	62+18	43' LT	1
	62+63	22' RT	1
	62+65	22' LT	1
PROJECT ID 8080-07-70 SUMMARY			**32**
0020	68+25	22' LT	1
	68+25	22' RT	1
	69+57	48' RT	1
	69+90	44' RT	1
	70+50	22' LT	1
	70+50	24' RT	1
	73+29	28' RT	1
	73+70	17' RT	1
	79+90	35' RT	1
	80+27	17' LT	1
	81+83	18' RT	1
	82+16	18' RT	1
	84+00	38' RT	1
	84+55	30' RT	1
	89+05	18' LT	1
	90+83	18' LT	1
	90+83	18' RT	1
	91+10	18' LT	1
	93+81	18' LT	1
	93+81	18' RT	1
	96+48	18' LT	1
	96+56	28' RT	1
	96+97	28' RT	1
	98+21	18' LT	1
	98+23	18' RT	1
	103+83	18' LT	1
	103+83	18' RT	1
	110+92	35' RT	1
	111+13	40' LT	1
	111+31	41' RT	1
	111+45	38' LT	1
PROJECT ID 8080-05-70 SUMMARY			**31**
PROJECT TOTAL			**63**

REMOVING STORM SEWER

CATEGORY	STATION TO STATION	LOCATION	DESCRIPTION	204.0245 LF
0010	26+03 – 26+13	LT & RT	12" SS LATERAL	72
	26+13 – 26+13	LT	12" SS LATERAL	26
	29+50 – 29+68	LT	10" SS LATERAL	18
	29+52 – 29+70	RT	10" SS LATERAL	23
	29+65 – 29+65	LT	10" SS LATERAL	5
	29+65 – 29+72	LT & RT	10" SS LATERAL	61
	29+68 – 29+72	RT	10" SS LATERAL	16
	29+72 – 29+72	RT	10" SS LATERAL	21
	29+72 – 29+72	RT	10" SS LATERAL	11
	29+72 – 30+10	RT	10" SS LATERAL	41
	33+65 – 33+65	LT & RT	10" SS LATERAL	56
	33+65 – 33+65	LT	12" SS LATERAL	28
	33+65 – 33+66	RT	12" SS LATERAL	29
	33+71 – 34+03	RT	10" SS LATERAL	38
	41+65 – 41+65	RT	12" SS LATERAL	23
	41+65 – 42+00	LT & RT	10" SS LATERAL	56
	41+84 – 42+00	RT	10" SS LATERAL	37
	42+00 – 42+00	LT & RT	10" SS LATERAL	39
	42+00 – 42+00	LT	15" SS LATERAL	67
	42+00 – 42+19	RT	10" SS LATERAL	32
	46+47 – 46+81	RT	12" SS LATERAL	30
	46+81 – 46+81	LT	12" SS LATERAL	22
	46+81 – 46+81	LT & RT	12" SS LATERAL	63
	46+81 – 46+81	RT	15" SS LATERAL	35
	51+03 – 51+34	RT	12" SS LATERAL	31
	51+34 – 51+35	LT & RT	12" SS LATERAL	88
	51+34 – 51+34	RT	8" SS LATERAL	27
	52+36 – 52+38	RT	8" SS LATERAL	15
	52+38 – 55+00	RT	12" SS MAIN	262
	55+00 – 55+00	LT & RT	12" SS LATERAL	34
	55+00 – 55+00	RT	12" SS LATERAL	7
	55+00 – 57+62	RT	18" SS MAIN	262
	57+60 – 57+61	RT	15" SS LATERAL	14
	57+61 – 57+63	RT	12" SS LATERAL	6
	57+61 – 57+66	LT & RT	12" SS LATERAL	35
	57+61 – 61+08	RT	24" SS MAIN	349
	61+07 – 61+08	RT	10" SS LATERAL	6
	61+08 – 61+23	RT	12" SS LATERAL	42
	61+08 – 62+15	RT	30" SS MAIN	100
	61+74 – 61+88	RT	12" SS MAIN	43
	62+15 – 62+15	LT & RT	12" SS LATERAL	61
	62+15 – 62+55	RT	30" SS LATERAL	50
	62+62 – 62+66	LT	18" SS LATERAL	31
	62+63 – 62+63	RT	18" SS LATERAL	27
PROJECT ID 8080-07-70 SUMMARY				**2339**

~ CONTINUE ~

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ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

3

REMOVING STORM SEWER ~ CONTINUED ~

CATEGORY	STATION TO STATION	LOCATION	DESCRIPTION	204.0245 LF
0020	70+34 - 70+50	LT	24" SS LATERAL	77
	70+47 - 70+50	RT	10" SS LATERAL	24
	70+47 - 73+27	LT	24" SS MAIN	280
	73+27 - 73+28	LT & RT	12" SS LATERAL	37
	73+27 - 73+41	LT & RT	12" SS LATERAL	52
	73+27 - 73+90	LT	30" SS MAIN	63
	73+90 - 80+24	LT	30" SS MAIN	634
	79+91 - 79+91	RT	15" SS LATERAL	6
	79+91 - 80+24	LT & RT	15" SS LATERAL	51
	80+22 - 80+24	LT	18" SS LATERAL	12
	80+24 - 81+87	LT	30" SS MAIN	162
	81+84 - 81+87	LT & RT	15" SS LATERAL	21
	81+86 - 81+87	LT	12" SS LATERAL	15
	81+86 - 81+98	LT	12" SS LATERAL	36
	81+87 - 83+29	LT	30" SS MAIN	142
	83+29 - 84+04	LT	12" SS MAIN	75
	83+93 - 84+08	RT	12" SS LATERAL	15
	84+04 - 84+08	LT & RT	36" SS LATERAL	37
	84+04 - 84+50	LT	30" SS MAIN	46
	84+08 - 84+08	RT	36" SS LATERAL	59
	84+08 - 84+56	RT	12" SS LATERAL	48
	84+50 - 89+00	LT	30" SS MAIN	451
	89+00 - 89+06	LT	12" SS LATERAL	16
	89+00 - 90+84	LT	30" SS MAIN	184
	89+06 - 90+83	LT	12" SS LATERAL	178
	89+82 - 90+84	RT	12" SS LATERAL	22
	89+83 - 90+84	LT	12" SS LATERAL	14
	89+83 - 91+09	LT	12" SS LATERAL	26
	89+83 - 92+34	LT	24" SS MAIN	150
	91+09 - 91+09	LT	12" SS LATERAL	58
	91+09 - 92+34	LT	12" SS LATERAL	125
	92+34 - 92+34	LT	15" SS LATERAL	14
	92+34 - 93+ 83	LT	12" SS LATERAL	149
	92+34 - 93+ 83	LT	15" SS MAIN	148
	93+83 - 93+83	LT & RT	12" SS LATERAL	23
	93+83 - 93+83	LT	12" SS LATERAL	12
	93+83 - 96+50	LT	12" SS LATERAL	268
	93+83 - 96+51	LT	15" SS MAIN	271
	96+50 - 98+22	LT	12" SS LATERAL	172
	96+50 - 96+51	LT	12" SS LATERAL	12
	96+51 - 96+51	RT	12" SS LATERAL	22
	96+51 - 98+22	LT	15" SS MAIN	170
	96+51 - 96+58	LT & RT	12" SS LATERAL	34
	96+53 - 96+58	RT	12" SS LATERAL	5
	96+54 - 96+54	RT	12" SS LATERAL	13
	96+58 - 96+58	RT	12" SS LATERAL	11
	96+58 - 97+00	RT	10" SS LATERAL	40
	98+22 - 98+22	LT	12" SS LATERAL	13
	98+22 - 98+22	LT	15" SS LATERAL	24
	98+22 - 103+83	LT	18" SS MAIN	561
	103 +83 -103+83	LT	18" SS LATERAL	52
	103 +83 -103+83	LT & RT	15" SS LATERAL	24
	103 +83 -103+83	RT	18" SS LATERAL	6
	103+83 - 108+64	RT	15" SS MAIN	481
	108+42 - 108+64	RT	12" SS LATERAL	14

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REMOVING STORM SEWER ~ CONTINUED ~

CATEGORY	STATION TO STATION	LOCATION	DESCRIPTION	204.0245 LF
	108+64 - 110+90	RT	15" SS MAIN	226
	110+90 - 111+00	RT	12" SS LATERAL	48
	110+90 - 111+20	RT	15" SS MAIN	30
	111+15 - 111+20	LT & RT	15" SS LATERAL	78
	111 +15 - 111+15	LT	18" SS LATERAL	20
	111 +15 - 111+35	LT	12" SS LATERAL	22
	111+20 - 111+35	RT	12" SS LATERAL	15
	111+35 - 111+55	RT	12" SS LATERAL	35
	PROJECT ID 8080-05-70 SUMMARY			**6129**
	PROJECT TOTAL			**8468**

FINISHING ROADWAY

PROJECT	213.0100.01 EACH	213.0100.02 EACH	213.0100.03 EACH	213.0100.04 EACH	213.0100.05 EACH	213.0100.06 EACH	213.0100.07 EACH	213.0100.08 EACH
PROJECT ID 8080-02-60	**1**	---	---	---	---	---	---	---
PROJECT ID 8080-02-62	---	**1**	---	---	---	---	---	---
PROJECT ID 8080-02-72	---	---	**1**	---	---	---	---	---
PROJECT ID 8080-02-73	---	---	---	**1**	---	---	---	---
PROJECT ID 8080-05-70	---	---	---	---	**1**	---	---	---
PROJECT ID 8080-05-72	---	---	---	---	---	**1**	---	---
PROJECT ID 8080-07-70	---	---	---	---	---	---	**1**	---
PROJECT ID 8080-07-72	---	---	---	---	---	---	---	**1**
PROJECT TOTALS	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

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EARTHWORK SUMMARY

CATEGORY	DIVISION	STATION TO STATION	LOCATION	205.0100 EXCAVATION COMMON CY	SALVAGED/ UNUSABLE PAVEMENT MATERIAL CY	(6) AVAILABLE MATERIAL CY	UNEXPANDED FILL CY	(2) (4) EXPANDED FILL CY	(5) MASS ORDINATE +/- CY	(1) WASTE CY
0010	VINE TO DIVISION	22+20.80 - 51+50	STH 35	7696	3988	3708	9	12	3696	3696
	DIVISION TO WILLOW BRIDGE	51+50 - 64+29.5	STH 35	3391	1840	1446	---	---	1551	1551
	SIDE ROADS - ELM TO NORTH	25+65 - 62+50	---	1316	242	1074	4	5	1068	1068
	CURB RAMPS AND SIDEWALKS	25+30 - 62+75	---	230	77	153	---	---	153	153
CATEGORY 0010 SUBTOTALS				**12633**	**6147**	**6381**	**13**	**17**	**6468**	**6468**
0020	SIDEWALKS - CITY OF HUDSON	22+20.80 - 64+29.5	---	1010	405	605	---	---	605	605
CATEGORY 0020 SUBTOTALS				**1010**	**405**	**605**	**---**	**---**	**605**	**605**
	PROJECT ID 8080-07-70 SUMMARY			**13643**	**6552**	**6986**	**13**	**17**	**7073**	**7073**
0010	WILLOW BRIDGE TO MONROE	68+06.8 - 84+80	STH 35	3766	2376	1390	1	1	1389	1389
	MONROE TO SOMMERS	84+80 - 112+00	STH 35	6408	3589	2819	9	12	2807	2807
	SIDE ROADS - SOUTH TO SOMMERS	69+50 - 112+00	---	1079	173	906	12	16	890	890
	CURB RAMPS AND SIDEWALKS	69+32 - 110+75	---	160	55	105	---	---	105	105
	PROJECT ID 8080-05-70 SUMMARY			**11413**	**6193**	**5220**	**22**	**29**	**5191**	**5191**
0010	SIDEWALKS - VILLAGE OF NORTH HUDSON	68+06.8 - 112+00	---	170	70	100	---	---	100	100
	PROJECT ID 8080-05-72 SUMMARY			**170**	**70**	**100**	**---**	**---**	**100**	**100**
0010	SOMMERS TO NORTH END	112+00 - 118+75	STH 35	1096	51	1045	335	436	610	610
	PROJECT ID 8080-02-73 SUMMARY			**1096**	**51**	**1045**	**335**	**436**	**610**	**610**
0010	FRONT TO VINE	217+98 - 221+50	STH 35	557	24	533	27	54	523	---
	PROJECT ID 8080-02-72 SUMMARY			**557**	**24**	**533**	**27**	**54**	**523**	**---**
0020	FRONT TO VINE	217+98 - 221+50	STH 35	223	223	---	---	---	---	---
	PROJECT ID 8080-02-60 SUMMARY			223	223	---	---	---	---	---
0010	FRONT TO VINE	217+98 - 221+50	STH 35	890	890	---	---	---	---	---
	PROJECT ID 8080-02-61 SUMMARY			890	890	---	---	---	---	---
	PROJECT TOTALS			**27992**	**14004**	**13883**	**397**	**536**	**13497**	**12974**

(1) WASTE = EXPANDED FILL - EXCAVATION COMMON (FOR INFORMATION ONLY - NOT A BID ITEM)
(2) EXPANSION FACTOR = 1.30
(3) BORROW = EXPANDED FILL - EXCAVATION COMMON
(4) EXPANDED FILL = UNEXPANDED FILL * EXPANSION FACTOR
(5) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. MINUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. PLUS INDICATES A SHORTAGE OF
(6) AVAILABLE MATERIAL = COMMON EXCAVATION - SALVAGED/UNUSABLE MATERIAL

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

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BASE AGGREGATE DENSE 1 1/4-INCH

CATEGORY	STATION TO STATION	LOCATION	305.0120 TON
0010	VINE TO WILLOW BRIDGE	STH 35	6050
	ELM	LT/RT	97
	ORANGE	LT/RT	98
	MYRTLE	LT/RT	96
	ST CROIX	LT/RT	156
	RIVER	LT/RT	146
	DIVISION	LT/RT	119
	SHOP	RT	12
	NORTH	LT	15
	VINE TO ELM SW	LT	16
	VINE TO ELM SW	RT	52
	ELM TO ORANGE SW	LT	14
	ELM TO ORANGE SW	RT	13
	ORANGE TO MYRTLE SW	LT	47
	ORANGE TO MYRTLE SW	RT	57
	MYRTLE TO ST CROIX SW	LT	68
	MYRTLE TO ST CROIXSW	RT	107
	MEDIAN ISLANDS		9
	ST CROIX TO RIVER SW	LT	27
	ST CROIX TO RIVER SW	RT	21
	RIVER TO DIVISION SW	LT	37
	RIVER TO DIVISION SW	RT	24
	DIVISION TO NORTH SW	LT	146
	DIVISION TO SHOP SW	RT	138
	NORTH TO WILLOW BRIDGE SW	LT	26
	SHOP TO WILLOW BRIDGE SW	RT	69
	BOAT RAMP	RT	27
	RETAINING WALL FOOTING		5
	TEMPORARY SIDEWALK		350
CATEGORY 0010 SUBTOTAL			**8042**
0020	VINE TO ELM SW	LT/RT	115
	ELM TO ORANGE SW	LT/RT	120
	ORANGE TO MYRTLE SW	LT/RT	90
	MYRTLE TO ST CROIX SW	LT/RT	260
	ST CROIX TO RIVER SW	LT/RT	140
	RIVER TO DIVISION SW	LT/RT	120
	DIVISION TO NORTH SW	LT	205
	DIVISION TO SHOP SW	RT	180
	NORTH TO WILLOW BRIDGE SW	LT	30
	SHOP TO WILLOW BRIDGE SW	RT	50
	22+50 - 46+50	PARKING LANES	1057
CATEGORY 0020 SUBTOTAL			**2367**
	PROJECT ID 8080-07-70 SUMMARY		**10409**
0010	WILLOW BRIDGE TO SOMMERS	STH 35	7650
	SOUTH	RT	40
	WISCONSIN N	LT/RT	104
	ST CROIX N	LT/RT	74
	MONROE	LT/RT	23

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BASE AGGREGATE DENSE 1 1/4-INCH

CATEGORY	STATION TO STATION	LOCATION	305.0120 TON
	SOMMERS	LT/RT	32
	WILLOW BRIDGE TO WISCONSIN N SW	LT	61
	WILLOW BRIDGE TO SOUTH SW	RT	22
	SOUTH TO WISCONSIN N SW	RT	28
	WISCONSIN N TO ST CROIX N SW	LT	100
	WISCONSIN N TO ST CROIX N SW	RT	96
	ST CROIX N TO MONROE SW	LT	93
	ST CROIX N TO MONROE SW	RT	36
	MONROE TO SOMMERS SW	LT	329
	MONROE TO MICHAELSON SW	RT	171
	MICHAELSON TO SOMMERS SW	RT	92
	RETAINING WALL FOOTING		5
	TEMPORARY SIDEWALK		250
	PROJECT ID 8080-05-70 SUMMARY		**9242**
0010	WILLOW BRIDGE TO WISCONSIN N		4
	WISCONSIN N		24
	WISCONSIN N TO ST CROIX N		52
	ST CROIX N TO MONROE		21
	MONROE TO MICHAELSON		75
	MICHAELSON		65
	MICHAELSON TO SOMMERS		49
	PROJECT ID 8080-05-72 SUMMARY		**290**
0010	SOMMERS TO NORTH END		1168
	PROJECT ID 8080-02-73 SUMMARY		**1168**
0010	226+17 - 242+87.90	RT	448
	17+87.90 - 22+20.80	RT	171
	WISCONSIN ST	LT/RT	93
	COMMERCIAL ST	LT/RT	120
	WALNUT ST	LT/RT	136
	VINE ST	LT/RT	148
CATEGORY 0010 SUBTOTAL			**1116**
0020	221+30 - 224+50	LT	281
	231+84 - 232+38	WISCONSIN	58
	242+23 - 18+51	LOCUST	343
CATEGORY 0020 SUBTOTAL			**682**
	PROJECT ID 8080-02-60 SUMMARY		**1798**
0010	205+99 - 213+60	STH 35	836
	205+40 - 214+45	TRAIL	401
	205+92 - 208+67	PARKING LOT	237
	215+72 -218+11	PARKING LOT	659
	PROJECT ID 8080-02-61 SUMMARY		**2133**
0010	218+02 - 226+17	RT	1003
	COULEE RD	LT/RT	274
	PROJECT ID 8080-02-72 SUMMARY		**1277**
	PROJECT TOTAL		**25149**

BASE PATCHING CONCRETE

STATION TO STATION	LOCATION	390.0303 SY	REMARKS
UNDISTRIBUTED	LT/RT	20	STORM SEWER ADJUSTMENTS
PROJECT ID 8080-02-60 SUMMARY		**20**	
COULEE RD	LT/RT	37	
UNDISTRIBUTED	LT/RT	10	STORM SEWER ADJUSTMENTS
PROJECT ID 8080-02-72 SUMMARY		**47**	
PROJECT TOTAL		**67**	

COLORING CONCRETE WISDOT RED

CATEGORY	STATION TO STATION	LOCATION	405.0100 CY
0020	231+84 - 232+38	WISCONSIN	5
	242+23 - 242+72	LOCUST	15
	18+07 -18+57	LOCUST	12
	PROJECT ID 8080-02-60 SUMMARY		**32**
	PROJECT TOTAL		**32**

CONCRETE PAVEMENT 8-INCH

CATEGORY	STATION TO STATION	LOCATION	415.0080 SY
0010	22+20.77 - 64+14.4	STH 35	13848
CATEGORY 0010 SUBTOTAL			**13848**
0020	22+50 - 46+50	PARKING LANES	3168
CATEGORY 0020 SUBTOTAL			**3168**
	PROJECT ID 8080-07-70 SUMMARY		**17016**
0010	68+21.77- 112+00	STH 35	18272
	PROJECT ID 8080-05-70 SUMMARY		**18272**
0020	231+84 - 232+38	WISCONSIN	110
	242+23 - 18+51	LOCUST	377
	PROJECT ID 8080-02-60 SUMMARY		**487**
0010	205+99 - 213+60	STH 35	1991
	PROJECT ID 8080-02-61 SUMMARY		**1991**
	PROJECT TOTAL		**37766**

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

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CONCRETE PAVEMENT GAPS

STATION TO STATION	LOCATION	415.0210 EACH
36+86 - 37+00	STH 35	1
51+06 - 51+20	STH 35	1
61+34 - 61+79	STH 35	1
62+06 - 62+31	STH 35	1
PROJECT ID 8080-07-70 SUMMARY		**4**
110+84 - 110+99	STH 35	1
PROJECT ID 8080-05-70 SUMMARY		**1**
PROJECT TOTAL		**5**

CONCRETE PAVEMENT APPROACH SLAB

STATION	LOCATION	415.0410 SY
64+22	STH 35	72
PROJECT ID 8080-07-70 SUMMARY		**72**
68+15	STH 35	72
PROJECT ID 8080-05-70 SUMMARY		**72**
PROJECT TOTAL		**144**

CONCRETE PAVEMENT HES 8-INCH

STATION TO STATION	LOCATION	415.1080 SY
36+86 - 37+00	STH 35(SB)	31
51+06 - 51+20	STH 35	100
61+34 - 61+79	STH 35	95
62+06 - 62+31	STH 35	43
PROJECT ID 8080-07-70 SUMMARY		**269**
110+84 - 110+99	STH 35	243
PROJECT ID 8080-05-70 SUMMARY		**243**
PROJECT TOTAL		**512**

CONCRETE PAVEMENT JOINT FILLING

STATION TO STATION	LOCATION	415.4100 SY
22+20.77 - 64+14.4	STH 35	19515
PROJECT ID 8080-07-70 SUMMARY		**19515**
68+21.77- 112+00	STH 35	20696
PROJECT ID 8080-05-70 SUMMARY		**20696**
PROJECT TOTAL		**40211**

CONCRETE PAVEMENT JOINT LAYOUT

STATION TO STATION	LOCATION	415.5110.S.01 JOINT LAYOUT LS	415.5110.S.02 JOINT LAYOUT LS	415.5110.S.03 JOINT LAYOUT LS
22+20.77 - 64+14.4	STH 35	1	---	---
PROJECT ID 8080-07-70 SUMMARY		**1**	**---**	**---**
68+21.77- 112+00	STH 35	---	1	---
PROJECT ID 8080-05-70 SUMMARY		**---**	**1**	**---**
205+99 - 213+60	STH 35	---	---	1
PROJECT ID 8080-02-61 SUMMARY		**---**	**---**	**1**
PROJECT TOTALS		**1**	**1**	**1**

DRILLED BARS

CATEGORY	STATION TO STATION	LOCATION	416.0610 TIE BARS EACH	416.0620 DOWEL BARS EACH
0010	36+86 - 37+00	STH 35	34	---
	51+06 - 51+20	STH 35	12	45
	61+34 - 61+79	STH 35	19	31
	62+06 - 62+31	STH 35	11	20
	PROJECT ID 8080-07-70 SUMMARY		**76**	**96**
0010	110+84 - 110+99	STH 35	36	89
	PROJECT ID 8080-05-70 SUMMARY		**36**	**89**
0010	204+00 - 218+02	STH 35	403	2742
CATEGORY 0010 SUBTOTAL			**403**	**2742**
0020	231+84 - 232+38	WISCONSIN	130	36
	242+23 - 18+51	LOCUST	306	39
CATEGORY 0020 SUBMITTAL			436	75
	PROJECT ID 8080-02-60 SUMMARY		**839**	**2817**
0010	205+99 - 213+60		305	32
	PROJECT ID 8080-02-61 SUMMARY		**305**	**32**
0010	218+02 - 226+17	STH 35	400	---
	PROJECT ID 8080-02-72 SUMMARY		**400**	**---**
	PROJECT TOTALS		**1656**	**3034**

CONCRETE PAVEMENT REPAIR

STATION TO STATION	LOCATION	SPV.0180.03 CONCRETE PAVEMENT REPAIR DOWELED SY	SPV.0180.04 CONCRETE PAVEMENT REPLACEMENT DOWELED SY	SPV.0180.05 30" CONCRETE CENTERLINE REPAIR SY
204+00 - 218+02	STH 35	1021	567	29
PROJECT ID 8080-02-60 SUMMARY		**1021**	**567**	**29**
PROJECT TOTALS		**1021**	**567**	**29**

CONCRETE PAVEMENT 5 1/2-INCH

STATION TO STATION	LOCATION	SPV.0180.02 SY
218+02 - 226+17	RT	635
PROJECT ID 8080-02-72 SUMMARY		**635**
PROJECT TOTAL		**635**

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

CONCRETE DRIVEWAY & CONCRETE SIDEWALK

CATEGORY	STATION TO STATION	LOCATION	416.0160 DRIVEWAY 6-INCH SY	602.0405 SIDEWALK 4-INCH SF	602.0415 SIDEWALK 6-INCH SF
0010	VINE TO ELM	LT	14	174	116
	VINE TO ELM	RT	86	189	137
	ELM TO ORANGE	LT	---	274	113
	ELM TO ORANGE	RT	---	138	168
	ORANGE TO MYRTLE	LT	57	490	237
	ORANGE TO MYRTLE	RT	103	425	204
	MYRTLE TO ST CROIX	LT	74	523	299
	MYRTLE TO ST CROIX	RT	171	717	260
	MEDIAN ISLANDS		---	335	---
	ST CROIX TO RIVER	LT	---	437	290
	ST CROIX TO RIVER	RT	---	182	218
	RIVER TO DIVISION	LT	41	236	397
	RIVER TO DIVISION	RT	---	313	326
	DIVISION TO NORTH	LT	---	3531	219
	DIVISION TO SHOP	RT	---	3067	224
	NORTH TO WILLOW BRIDGE	LT	---	397	118
	SHOP TO WILLOW BRIDGE	RT	---	757	370
CATEGORY 0010 SUBTOTALS			**546**	**12185**	3696
0020	VINE TO ELM	LT/RT	---	2656	445
	ELM TO ORANGE	LT/RT	---	3165	---
	ORANGE TO MYRTLE	LT/RT	---	2192	120
	MYRTLE TO ST CROIX	LT/RT	---	5617	1373
	ST CROIX TO RIVER	LT/RT	---	3658	---
	RIVER TO DIVISION	LT/RT	---	3193	---
	DIVISION TO NORTH	LT	---	5427	---
	DIVISION TO SHOP	RT	---	4773	
	NORTH TO WILLOW BRIDGE	LT	---	759	---
	SHOP TO WILLOW BRIDGE	RT	---	1245	---
CATEGORY 0020 SUBTOTALS			**---**	**32685**	**1938**
	PROJECT ID 8080-07-70 SUMMARY		**546**	**44870**	**5634**
0010	WILLOW BRIDGE TO SOUTH	RT	---	583	---
	WILLOW BRIDGE TO WISCONSIN N	LT	---	1632	---
	SOUTH TO WISCONSIN N	RT	18	445	---
	WISCONSIN N TO ST CROIX N	LT	143	1156	---
	WISCONSIN N TO ST CROIX N	RT	127	1244	---
	ST CROIX N TO MONROE	LT	90	1487	---
	ST CROIX N TO MONROE	RT	34	510	---
	MONROE TO MICHAELSON	LT	262	1251	---
	MONROE TO MICHAELSON	RT	195	1583	---
	MICHAELSON TO SOMMERS	LT	253	1085	---
	MICHAELSON TO SOMMERS	RT	176	334	---
	PROJECT ID 8080-05-70 SUMMARY		**1298**	**11310**	---
0010	SOUTH TO WISCONSIN N	LT/RT	---	108	---
	WISCONSIN N TO ST CROIX N	LT/RT	---	1395	---
	ST CROIX N TO MONROE	LT/RT	---	558	---
	MONROE TO MICHAELSON	LT/RT	---	2025	---
	MICHAEALSON TO SOMMERS	LT/RT	---	1305	---
	PROJECT ID 8080-05-72 SUMMARY		**---**	**5391**	**---**

~ CONTINUE ~

CONCRETE DRIVEWAY & CONCRETE SIDEWALK ~ CONTINUED ~

CATEGORY	STATION TO STATION	LOCATION	416.0160 DRIVEWAY 6-INCH SY	602.0405 SIDEWALK 4-INCH SF	602.0415 SIDEWALK 6-INCH SF
0010	SOMMERS TO NORTH END	RT	207	---	---
	PROJECT ID 8080-02-73 SUMMARY		**207**	**---**	**---**
0010	226+17 - 242+87.9	RT	230	2267	---
	242+87.9 - 22+20.80	RT	121	360	---
	WISCONSIN ST	LT/RT	---	728	299
	COMMERCIAL ST	LT/RT	---	1002	517
	WALNUT ST	LT/RT	---	1265	716
	VINE ST	LT/RT	---	1298	710
CATEGORY 0010 SUBTOTAL			**351**	**6920**	**2242**
0020	231+84 - 232+38	LT/RT	**---**	**---**	943
	242+23 - 242+72	LT/RT	**---**	**---**	2075
	18+07 - 18+57	LT/RT	**---**	**---**	1807
CATEGORY 0020 SUBTOTALS			**---**	**---**	**4825**
0030	225+37 - 231+84	RT	---	---	1147
	226+27 - 231+37	LT	---	---	855
	232+38 - 234+74	LT/RT	---	---	1304
	235+05 - 238-73	LT/RT	---	---	1999
	239+10 - 242+25	LT/RT	---	---	1584
	18+43 - 21+54	LT/RT	---	---	1202
	22+13 - 22+31	LT	---	---	52
CATEGORY 0030 SUBTOTAL			**---**	**---**	**8143**
	PROJECT ID 8080-02-60 SUMMARY		**351**	**6920**	**15210**
0010	205+34 - 205+48	RT	---	---	73
	208+19 - 208+27	RT	---	---	93
	208+59 - 208+67	RT	---	---	90
	210+80 - 211+18	LT	---	---	189
	216+43 - 216+53	RT	---	---	96
	217+16 - 218+07	RT	---	---	387
	PROJECT ID 8080-02-61 SUMMARY		**---**	**---**	**928**
0010	COULEE RD	LT/RT	107	---	384
	WALNUT ST	RT	---	422	705
	VINE ST	LT/RT	---	1220	---
	PROJECT ID 8080-02-72 SUMMARY		**107**	**1642**	**1089**
	PROJECT TOTALS		**2509**	**70133**	**22861**

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

HMA PAVEMENT ITEMS

CATEGORY	STATION TO STATION	460.6645 5 MT 58-34 V TON	455.0605 TACK COAT GAL	450.4000 HMA COLD WEATHER PAVING
0010	ELM	37	8	---
	ORANGE	39	9	---
	MYRTLE	37	8	---
	ST CROIX	63	12	---
	RIVER	54	10	---
	DIVISION	46	10	---
	SHOP	5	1	---
	NORTH	7	1	---
CATEGORY 0010 SUBTOTALS		**288**	**59**	**---**
0020	VINE	15	2	---
CATEGORY 0020 SUBTOTALS		**15**	**2**	**---**
	PROJECT ID 8080-07-70 SUMMARY	**303**	**61**	**---**
0010	SOUTH	16	3	---
	WISCONSIN N	41	8	---
	ST CROIX N	29	6	---
	MONROE	10	7	---
	MICHAELSON	15	3	---
	SOMMERS	14	3	---
	PROJECT ID 8080-05-70 SUMMARY	**125**	**31**	**---**
0010	WISCONSIN N	13	2	---
	MICHAELSON	33	6	---
	PROJECT ID 8080-05-72 SUMMARY	**46**	**8**	**---**
0010	112+00 - 118+37.5	715	245	715
	PROJECT ID 8080-02-73 SUMMARY	**715**	**245**	**715**
0010	226+17 - 242+87.90	904	441	---
	17+87.90 - 22+20.80	246	120	---
CATEGORY 0010 SUBTOTALS		**1150**	**561**	**---**
0020	231+84 - 231+92	---	1	---
	242+65 - 18+12	---	16	---
CATEGORY 0020 SUBTOTALS		**---**	**17**	**---**
0040	226+17 - 242+87.90	451	220	---
	17+87.90 - 22+20.80	100	49	---
CATEGORY 0040 SUBTOTALS		**551**	**269**	**---**
	PROJECT ID 8080-02-60 SUMMARY	**1701**	**847**	**---**
0010	205+92 - 206+17	---	3	---
	208+11 - 208+67	---	17	---
	PROJECT ID 8080-02-61 SUMMARY	**---**	**20**	**---**

~ CONTINUE ~

HMA PAVEMENT ITEMS

~ CONTINUED ~

CATEGORY	STATION TO STATION	460.6645 5 MT 58-34 V TON	455.0605 TACK COAT GAL	450.4000 HMA COLD WEATHER PAVING
0010	218+02 - 226+17	886	431	---
	PROJECT ID 8080-02-72 SUMMARY	**886**	**431**	**---**
	PROJECT TOTALS	**3776**	**1643**	**715**

ASPHALTIC SURFACE

CATEGORY	STATION TO STATION	LOCATION	465.0105* TON	465.0110** PATCHING TON
0010	226+17 - 242+87.90	STH 35	40	50
	17+87.90 - 22+20.80	STH 35	10	25
CATEGORY 0010 SUBTOTALS			**50**	**75**
0020	218+02 - 226+17	PATHS, STH 35	50	---
	231+84 - 231+92	STH 35	2	
	242+65 - 18+12	STH 35	52	
CATEGORY 0020 SUBTOTALS			**104**	**---**
0040	226+17 - 242+87.90	STH 35	---	10
	17+87.90 - 22+20.80	STH 35	---	10
CATEGORY 0040 SUBTOTALS			**---**	**20**
	PROJECT ID 8080-02-60 SUMMARY		**154**	**95**
0010	205+40 - 208+09	TRAIL	33	---
	208+67 - 214+45	TRAIL	65	---
	205+92 - 206+17	PARKING LOT	10	---
	208+11 - 208+67	PLANT ENTRANCE	60	---
	215+72 - 218+11	PARKING LOT	191	---
	PROJECT ID 8080-02-61 SUMMARY		**359**	**---**
0010	**218+02 - 226+17**	**STH 35**	**---**	**25**
	PROJECT ID 8080-02-72 SUMMARY		**---**	**25**
	PROJECT TOTALS		**513**	**120**

*FOR FILLING CONCRETE JOINTS, WEDGING AND LEVELING
**FOR TRAFFIC POP-OUTS TEMP RAMPS, MINOR REPAIRS, ETC.

CONCRETE CURB AND GUTTER 24-INCH

STATION TO STATION	LOCATION	SPV.0090.27 TYPE D LF
VINE ST	LT/RT	288
PROJECT ID 8080-02-60 SUMMARY		**288**
PROJECT TOTALS		**288**

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

STATION TO STATION	LOCATION	465.0120 TON
VINE TO ELM (2)	LT/RT	6
ORANGE TO MYRTLE (1)	LT	1
MYRTLE TO ST CROIX (5)	LT/RT	9
SHOP TO WILLOW BRIDGE (1)	RT	14
PROJECT ID 8080-07-70 SUMMARY		**30**
SOUTH TO WISCONSIN N	RT	3
WISCONSIN N TO ST CROIX N (5)	LT/RT	5
ST CROIX N TO MONROE (3)	LT/RT	6
MONROE TO MICHAELSON (7)	RT	20
MONROE TO SOMMERS (15)	LT	30
MICHAELSON TO SOMMERS (6)	RT	10
PROJECT ID 8080-05-70 SUMMARY		**74**
SOMMERS TO NORTH END (2)	STH 35	29
PROJECT ID 8080-02-73 SUMMARY		**29**
PROJECT TOTAL		**133**

ASPHALTIC FLUMES

STATION TO STATION	LOCATION	465.0315 SY
111+40	RT	15
PROJECT ID 8080-05-70		**15**
114+50	RT	7
PROJECT ID 8080-02-73 SUMMARY		**7**
PROJECT TOTAL		**22**

CONCRETE CURB AND GUTTER 18-INCH

STATION TO STATION	LOCATION	601.0405 TYPE A LF	601.0407 TYPE D LF
41+45 - 41+79	MEDIAN	68	---
42+26.5 - 42+59.5	MEDIAN	66	---
PROJECT ID 8080-07-70 SUMMARY		**134**	**0**
91+23	DRWY LT	---	7
PROJECT ID 8080-05-70 SUMMARY		**0**	**7**
PROJECT TOTALS		**134**	**7**

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

3

APRON ENDWALLS FOR CPRC

CATEGORY	STRUCTURE	STATION	OFFSET	522.1012 12-INCH EACH	522.1018 18-INCH EACH	522.1030 30-INCH EACH	522.1036 36-INCH EACH
0010	F1	62+71	51.5' LT	---	---	1	---
	G1	62+76	46.7' RT	---	1	---	---
	PROJECT ID 8080-07-70 SUMMARY			**0**	**1**	**1**	**0**
0020	H1	68+25	85.3' LT	1	---	---	---
	J1	70+39	69.8' LT	---	---	---	1
	K6	111+57	68.1' RT	---	1	---	---
	PROJECT ID 8080-05-70 SUMMARY			**1**	**1**	**0**	**1**
0020	L1	113+52	48.4' RT	---	1	---	---
	L2	114+05	47.7' RT	---	1	---	---
	M1	116+06	45.5' RT	---	1	---	---
	M2	116+55	44.5' RT	---	1	---	---
	M1	117+84	43.1' RT	1	---	---	---
	M2	118+31	43.5' RT	1	---	---	---
	PROJECT ID 8080-02-73 SUMMARY			**2**	**4**	**0**	**0**
	PROJECT TOTALS			**3**	**6**	**1**	**1**

CONNECTING NEW STORM SEWER PIPE TO EXISTING STORM SEWER PIPE

CATEGORY	STATION	LOCATION	SPV.0060.36 EACH
0010	46+82	57.9' LT	1
	PROJECT ID 8080-07-70 SUMMARY		**1**
0020	69+46	50.1' RT	1
	81+87	24.0' LT	1
	91+10	21.6' LT	1
	103+82	24.4' LT	1
	111+20	42.1' LT	1
	PROJECT ID 8080-05-70 SUMMARY		**5**
	PROJECT TOTAL		**6**

2

CONNECTING NEW STORM SEWER STRUCTURE TO EXISTING STORM SEWER PIPE

CATEGORY	STATION	LOCATION	SPV.0060.35 EACH
0010	26+03	39.8' RT	1
	26+13	38.4' LT	1
	29+65	44.9' LT	1
	29+73	37.8' RT	1
	33+65	39.5' RT	1
	33+66	47.0' LT	1
	42+00	61.4' LT	1
	46+81	43.7' RT	1
	46+82	57.9' LT	1
	51+34	50.7' RT	1
	51+35	38.3' LT	1
	52+37	16.5' RT	1
	55+00	16.5' RT	1
	57+61	16.5' RT	1
	PROJECT ID 8080-07-70 SUMMARY		**14**
0020	79+90	36.9' RT	1
	81+83	17.5' RT	1
	84+10	61.3' RT	1
	96+48	17.5' LT	1
	96+60	38.2' RT	1
	108+63	26.8' RT	1
	110+96	54.4' RT	1
	111+10	39.3' LT	2
	PROJECT ID 8080-05-70 SUMMARY		**9**
	PROJECT TOTAL		**23**

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

STORM SEWER PIPE REINFORCED CONCRETE

				608.0312	608.0318	608.0324 CLASS III	608.0330	608.0336	608.0412	608.0418 CLASS IV	608.0424	608.0436			
				12-INCH	18-INCH	24-INCH	30-INCH	36-INCH	12-INCH	18-INCH	24-INCH	36-INCH	INLET	DISCHARGE	SLOPE
CATEGORY	FROM	-	TO	LF	LF	LF	LF	LF	LF	LF	LF	LF	ELEVATION	ELEVATION	FT/FT
0010	A2	-	A1	---	---	9	---	---	---	---	---	---	727.52	727.50	0.0025
	A3	-	A2	---	---	49	---	---	---	---	---	---	728.55	727.62	0.0191
	A4	-	A3	---	---	29	---	---	---	---	---	---	728.98	728.55	0.0146
	A3.1	-	A3	52	---	---	---	---	---	---	---	---	730.07	729.55	0.0100
	A4.1	-	A4	31	---	---	---	---	---	---	---	---	730.29	729.98	0.0100
	B2	-	B1	---	---	29	---	---	---	---	---	---	724.55	724.26	0.0100
	B3	-	B2	---	---	39	---	---	---	---	---	---	725.03	724.64	0.0100
	B4	-	B3	---	23	---	---	---	---	---	---	---	725.77	725.53	0.0100
	B5	-	B4	---	7	---	---	---	---	---	---	---	726.33	726.27	0.0101
	B6	-	B5	34	---	---	---	---	---	---	---	---	727.17	726.83	0.0103
	C2	-	C1	---	---	10	---	---	---	---	---	---	719.71	719.51	0.0200
	C2.1	-	C2.2	39	---	---	---	---	---	---	---	---	724.49	723.72	0.0195
	C2.1	-	C2	---	30	---	---	---	---	---	---	---	722.87	722.55	0.0107
	C3	-	C2	---	---	79	---	---	---	---	---	---	721.39	719.81	0.0200
	C4	-	C3	---	6	---	---	---	---	---	---	---	724.64	724.52	0.0200
	C3.1	-	C3	32	---	---	---	---	---	---	---	---	725.33	725.01	0.0100
	D1A	-	D1A	---	---	---	---	---	---	---	20	---	717.35	716.70	0.0329
	D2	-	D1A	---	---	---	---	---	---	---	58	---	718.82	717.45	0.0237
	D2.1	-	D2	---	28	---	---	---	---	---	---	---	719.78	719.32	0.0164
	D2.2	-	D2.1	35	---	---	---	---	---	---	---	---	720.63	720.28	0.0100
	D3	-	D2	---	---	42	---	---	---	---	---	---	718.88	718.82	0.0160
	D3.2	-	D3	---	---	---	---	---	---	9	---	---	719.52	719.48	0.0050
	D3.1	-	D3.2	---	---	---	---	---	23	---	---	---	720.14	720.02	0.0050
	D3.3	-	D3	8	---	---	---	---	---	---	---	---	720.06	719.98	0.0100
	D4	-	D2	---	---	57	---	---	---	---	---	---	718.95	718.82	0.0025
	D4.1	-	D4.2	---	---	---	---	---	23	---	---	---	720.11	720.00	0.0051
	D4.2	-	D4	---	9	---	---	---	---	---	---	---	719.50	719.45	0.0049
	D4.3	-	D4	8	---	---	---	---	---	---	---	---	720.03	719.95	0.0100
	D5	-	D3	---	---	149	---	---	---	---	---	---	719.39	718.98	0.0028
	D5.1	-	D5	---	---	---	---	---	31	---	---	---	720.80	720.49	0.0100
	D5.2	-	D5	8	---	---	---	---	---	---	---	---	720.57	720.49	0.0100
	D6	-	D5	---	---	175	---	---	---	---	---	---	720.37	719.49	0.0050
	D6.1	-	D6	---	---	---	---	---	32	---	---	---	721.63	721.47	0.0050
	D6.2	-	D6	8	---	---	---	---	---	---	---	---	721.55	721.47	0.0100
	D7	-	D6	---	---	175	---	---	---	---	---	---	721.35	720.47	0.0050
	D7.1	-	D7	---	---	---	---	---	32	---	---	---	722.50	722.35	0.0050
	D7.2	-	D7	8	---	---	---	---	---	---	---	---	722.42	722.35	0.0100
	E1		EX	16	---	---	---	---	---	---	---	---	721.00	720.69	0.0197
	E2	-	E1	---	---	---	---	---	---	---	52	---	721.13	721.00	0.0025
	E3	-	E2	---	---	---	---	---	---	---	29	---	721.20	721.13	0.0026
	E3.1	-	E3	---	7	---	---	---	---	---	---	---	721.25	721.22	0.0050
	E3.2	-	E3	---	30	---	---	---	---	---	---	---	721.36	721.22	0.0050
	E3.3	-	E3.2	25	---	---	---	---	---	---	---	---	721.99	721.86	0.0050
	E4	-	E2	---	---	---	---	---	---	---	23	---	721.19	721.13	0.0025
	E4.1	-	E4	---	---	---	---	---	29	---	---	---	722.33	722.19	0.0050
	E4.2	-	E4	---	---	---	---	---	9	---	---	---	722.28	722.19	0.0100
	E5	-	E4	---	---	---	---	---	---	---	175	---	721.72	721.29	0.0025
	E5.1	-	E5	---	---	---	---	---	27	---	---	---	722.86	722.72	0.0050

~ CONTINUE ~

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

STORM SEWER PIPE REINFORCED CONCRETE ~ CONTINUED ~

				608.0312	608.0318	608.0324	608.0330	608.0336	608.0412	608.0418	608.0424	608.0436			
						CLASS III					CLASS IV				
				12-INCH	18-INCH	24-INCH	30-INCH	36-INCH	12-INCH	18-INCH	24-INCH	36-INCH	INLET	DISCHARGE	SLOPE
CATEGORY	FROM	-	TO	LF	LF	LF	LF	LF	LF	LF	LF	LF	ELEVATION	ELEVATION	FT/FT
	E5.2	-	E5	7	---	---	---	---	---	---	---	---	722.76	722.72	0.0050
0010	F2	-	F2.1	---	---	---	14	---	---	---	---	---	690.38	690.36	0.0018
	F2.1	-	F1	---	---	---	31	---	---	---	---	---	690.26	690.18	0.0025
	F3	-	F2	---	---	---	70	---	---	---	---	---	690.66	690.48	0.0026
	F3.1	-	F3.2	---	---	---	---	---	34	---	---	---	693.87	693.70	0.0050
	F3.2	-	F3	---	---	---	---	---	---	9	---	---	693.20	693.16	0.0044
	F3.3	-	F3	50	---	---	---	---	---	---	---	---	692.37	692.11	0.0053
	F4	-	F3	---	---	88	---	---	---	---	---	---	691.70	691.16	0.0061
	F4.1	-	F4	9	---	---	---	---	---	---	---	---	692.92	692.72	0.0237
	F4.2	-	F4	---	28	---	---	---	---	---	---	---	692.44	692.22	0.0077
	F4.3	-	F4.2	41	---	---	---	---	---	---	---	---	694.78	692.94	0.0449
	F5	-	F4	---	---	343	---	---	---	---	---	---	693.42	691.70	0.0050
	F5.1	-	F5	9	---	---	---	---	---	---	---	---	694.53	694.42	0.0129
	F5.2	-	F5	---	25	---	---	---	---	---	---	---	694.51	693.92	0.0240
	F5A	-	F5	---	---	53	---	---	---	---	---	---	693.67	693.42	0.0048
	F6	-	F5A	---	---	212	---	---	---	---	---	---	708.28	695.67	0.0595
	F6.1	-	F6	9	---	---	---	---	---	---	---	---	709.94	709.88	0.0065
	F6.2	-	F6	---	25	---	---	---	---	---	---	---	709.53	709.38	0.0060
	F7	-	F6	---	---	263	---	---	---	---	---	---	720.64	708.88	0.0447
	F7.1	-	F7	9	---	---	---	---	---	---	---	---	721.69	721.64	0.0065
	F7.2	-	F7	---	25	---	---	---	---	---	---	---	721.28	721.14	0.0060
	G2	-	G1	---	28	---	---	---	---	---	---	---	691.28	690.72	0.0200
	G3	-	G2	30	---	---	---	---	---	---	---	---	692.00	691.78	0.0073
	G5	-	G4	---	---	---	---	---	---	---	89	---	723.53	723.30	0.0025
	G5.1	-	G5	---	31	---	---	---	---	---	---	---	723.79	723.63	0.0050
	G5.2	-	G5	---	---	---	---	---	30	---	---	---	724.44	724.29	0.0050
	PROJECT ID 8080-07-70 SUMMARY			**468**	**302**	**1801**	**115**	**0**	**270**	**18**	**446**	**0**			
0020	H2	-	H1	66	---	---	---	---	---	---	---	---	706.47	690.61	0.2508
	H3	-	H2	44	---	---	---	---	---	---	---	---	707.36	707.14	0.0050
	I2	-	I3	30	---	---	---	---	---	---	---	---	714.35	714.05	0.0100
	I2	-	EX	---	11	---	---	---	---	---	---	---	713.54	713.02	0.0464
	J2	-	J1A	---	---	---	---	46	---	---	---	---	712.88	712.10	0.0168
	J1A	-	J1	---	---	---	---	7	---	---	---	---	709.10	709.00	0.0150
	J3	-	J2	---	---	---	---	32	---	---	---	---	713.30	712.98	0.0100
	J3.1	-	J3	13	---	---	---	---	---	---	---	---	718.56	718.45	0.0086
	J4	-	J3	---	---	---	---	340	---	---	---	---	727.72	716.30	0.0337
	J4.1	-	J4	31	---	---	---	---	---	---	---	---	731.12	730.82	0.0096
	J4.2	-	J4	---	6	---	---	---	---	---	---	---	729.87	729.79	0.0150
	J4.3	-	J4.2	---	30	---	---	---	---	---	---	---	730.28	729.97	0.0101
	J4.4	-	J4.3	33	---	---	---	---	---	---	---	---	731.11	730.78	0.0100
	J5	-	J4	---	---	---	---	311	---	---	---	---	729.37	727.82	0.0050
	J6	-	J5	---	---	---	---	287	---	---	---	---	730.90	729.47	0.0050
	J6.1	-	J6	32	---	---	---	---	---	---	---	---	736.27	735.91	0.0110
	J6.2	-	J6	---	---	25	---	---	---	---	---	---	734.01	733.77	0.0094
	J6.3	-	J6.2	34	---	---	---	---	---	---	---	---	737.09	736.41	0.0200
	J6.4	-	J6	9	---	---	---	---	---	---	---	---	736.09	735.91	0.0200
	J7	-	J6	---	---	---	---	---	---	---	---	198	731.99	731.00	0.0050
	EX	-	J7.1	7	---	---	---	---	---	---	---	---	736.10	736.00	0.0101

~ CONTINUE ~

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

STORM SEWER PIPE REINFORCED CONCRETE

~ CONTINUED ~

CATEGORY	FROM	–	TO	608.0312 12-INCH LF	608.0318 18-INCH LF	608.0324 CLASS III 24-INCH LF	608.0330 30-INCH LF	608.0336 36-INCH LF	608.0412 CLASS IV 12-INCH LF	608.0418 18-INCH LF	608.0424 24-INCH LF	608.0436 36-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
	J7.1	–	J7	---	30	---	---	---	---	---	---	---	733.53	733.23	0.0100
0020	J7.2	–	J7	---	6	---	---	---	---	---	---	---	733.94	733.89	0.0088
	J8	–	J7	---	---	---	---	---	---	---	---	225	734.06	732.09	0.0088
	J9	–	J8	---	---	---	---	49	---	---	---	---	736.72	736.20	0.0106
	J9.1	–	J9	36	---	---	---	---	---	---	---	---	740.01	739.72	0.0100
	J9.2	–	J9	6	---	---	---	---	---	---	---	---	739.84	739.72	0.0215
	J10	–	J8	---	---	---	---	74	---	---	---	---	734.82	734.16	0.0088
	J10.1	–	J10	30	---	---	---	---	---	---	---	---	739.55	739.25	0.0103
	J10.2	–	J10	10	---	---	---	---	---	---	---	---	739.35	739.25	0.0091
	J11	–	J10	---	---	---	---	343	---	---	---	---	737.98	734.92	0.0089
	J12	–	J11	---	---	---	---	190	---	---	---	---	738.46	738.08	0.0020
	J12.1	–	J12.2	10	---	---	---	---	---	---	---	---	740.05	740.00	0.0050
	J12.2	–	J12	---	30	---	---	---	---	---	---	---	739.50	739.35	0.0050
	J12.3	–	J12	---	6	---	---	---	---	---	---	---	739.59	739.56	0.0050
	J12.4	–	J12.3	10	---	---	---	---	---	---	---	---	740.14	740.09	0.0050
	EX	–	J12A	---	---	---	---	---	33	---	---	---	742.26	741.51	0.0224
	J12A	–	J12	---	---	---	---	---	---	---	---	92	738.75	738.56	0.0020
	J13	–	J12A	---	---	---	---	---	---	---	---	109	739.07	738.85	0.0020
	J14	–	J13	---	---	---	---	143	---	---	---	---	739.88	739.17	0.0050
	J14.1	–	J14	30	---	---	---	---	---	---	---	---	746.52	746.22	0.0100
	J14.2	–	J14	6	---	---	---	---	---	---	---	---	746.27	746.22	0.0092
	J15	–	J14	---	---	---	---	291	---	---	---	---	753.31	744.22	0.0311
	J15.1	–	J15	---	30	---	---	---	---	---	---	---	756.39	756.09	0.0100
	J16	–	J15	---	---	24	---	---	---	---	---	---	755.66	755.58	0.0034
	J16.1	–	J16	6	---	---	---	---	---	---	---	---	757.06	757.01	0.0105
	J16.2	–	J16	---	34	---	---	---	---	---	---	---	757.41	756.51	0.0267
	J16.3	–	J16.2	30	---	---	---	---	---	---	---	---	758.31	757.91	0.0139
	J17	–	J15	---	---	320	---	---	---	---	---	---	763.62	754.31	0.0291
	J17.1	–	J17	30	---	---	---	---	---	---	---	---	764.65	764.35	0.0100
	J17.2	–	J17	6	---	---	---	---	---	---	---	---	764.41	764.35	0.0100
	J18	–	J17	---	---	408	---	---	---	---	---	---	771.18	763.72	0.0183
	EX	–	J18.1	---	7	---	---	---	---	---	---	---	774.30	774.23	0.0060
	J18.1	–	J18	---	30	---	---	---	---	---	---	---	772.08	771.78	0.0100
	J18.2	–	J18	6	---	---	---	---	---	---	---	---	772.34	772.28	0.0100
	J19	–	J18	---	---	242	---	---	---	---	---	---	773.70	771.28	0.0100
	J19.1	–	J19	30	---	---	---	---	---	---	---	---	775.10	774.80	0.0100
	J19.2	–	J19	6	---	---	---	---	---	---	---	---	774.86	774.80	0.0100
	J20	–	J19	---	---	238	---	---	---	---	---	---	776.18	773.80	0.0100
	J20.1	–	J20	31	---	---	---	---	---	---	---	---	777.50	777.18	0.0100
	J20.2	–	J20	---	---	---	---	---	---	15	---	---	776.83	776.68	0.0100
	K2	–	EX	11	---	---	---	---	---	---	---	---	779.60	779.50	0.0096
	K4	–	K2	---	---	95	---	---	---	---	---	---	781.02	779.10	0.0202
	K5	–	K4	---	42	---	---	---	---	---	---	---	781.82	781.52	0.0072
	K6	–	K5	---	---	---	---	---	---	22	---	---	783.43	782.75	0.0307
	PROJECT ID 8080-05-70 SUMMARY			**593**	**262**	**1352**	**0**	**2113**	**33**	**37**	**0**	**624**			
0020	L2	–	L1	---	---	---	---	---	---	53	---	---	788.36	787.80	0.0107
	M2	–	M1	---	---	---	---	---	---	49	---	---	791.65	791.27	0.0076
	O2	–	O1	---	---	---	---	---	48	---	---	---	792.50	792.27	0.0050
	PROJECT ID 8080-02-73 SUMMARY			**0**	**0**	**0**	**0**	**0**	**48**	**102**	**0**	**0**			
	PROJECT TOTALS			**1061**	**564**	**3153**	**115**	**2113**	**351**	**157**	**446**	**624**			

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

STORM SEWER STRUCTURES

CATEGORY	STRUCTURE	STATION	*** OFFSET*	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.0666 INLET COVERS TYPE Z EACH	611.2004 MANHOLES 4-FT DIA EACH	611.2005 MANHOLES 5-FT DIA EACH	611.2006 MANHOLES 6-FT DIA EACH	611.1004 CATCH BASINS 4-FT DIA EACH	611.1005 CATCH BASINS 5-FT DIA EACH	611.1230 CATCH BASINS 2X3-FT EACH	611.3004 INLETS 4-FT DIA EACH	SPV.0060.37 INLETS 6-FT DIA EACH	611.3230 INLETS 2X3-FT EACH	**** RIM ELEVATION	* INVERT ELEVATION
0010	A1	26+13	38.4' LT	1	---	---	1	---	---	---	---	---	---	---	---	733.66	727.06
	A2	26+04	38.7' LT	---	1	---	---	---	---	1	---	---	---	---	---	733.29	727.52
	A3	26+03	10.0' RT	1	---	---	1	---	---	---	---	---	---	---	---	735.16	728.55
	A3.1	25+52	19.5' RT	---	1	---	---	---	---	---	---	1	---	---	---	735.68	730.07
	A4	26+03	39.8' RT	---	1	---	---	---	---	1	---	---	---	---	---	735.98	729.98
	A4.1	25+72	39.0' RT	---	1	---	---	---	---	---	---	1	---	---	---	736.16	730.29
	B1	29+65	44.9' LT	1	---	---	1	---	---	---	---	---	---	---	---	729.12	722.60
	B2	29+52	19.5' LT	---	1	---	---	---	---	1	---	---	---	---	---	730.20	724.55
	B3	29+52	19.5' RT	---	1	---	---	---	---	1	---	---	---	---	---	731.45	724.64
	B4	29+67	37.6' RT	---	1	---	---	---	---	1	---	---	---	---	---	731.77	725.77
	B5	29+73	37.8' RT	1	---	---	1	---	---	---	---	---	---	---	---	731.97	726.33
	B6	30+06	38.5' RT	---	1	---	---	---	---	---	---	1	---	---	---	731.46	727.17
	C1	33+66	47.0' LT	1	---	---	1	---	---	---	---	---	---	---	---	727.13	718.36
	C2	33+72	39.2' LT	---	1	---	---	---	---	1	---	---	---	---	---	727.47	719.71
	C2.1	33+50	19.5' LT	---	1	---	---	---	---	1	---	---	---	---	---	728.15	722.87
	C2.2	33+50	19.5' RT	---	1	---	---	---	---	---	---	1	---	---	---	729.05	724.49
	C3	33+71	39.4' RT	---	1	---	---	---	---	1	---	---	---	---	---	729.87	721.39
	C3.1	34+03	40.4' RT	---	1	---	---	---	---	---	---	1	---	---	---	729.75	725.33
	C4	33+65	39.5' RT	1	---	---	1	---	---	---	---	---	---	---	---	730.50	724.64
	D1	42+00	64.1' LT	1	---	---	1	---	---	---	---	---	---	---	---	722.26	716.70
	D1A	41+94	45.6' LT	---	1	---	---	---	---	1	---	---	---	---	---	722.53	717.35
	D2	41+92	12.0' RT	1	---	---	---	1	---	---	---	---	---	---	---	724.53	718.82
	D2.1	41+84	39.0' RT	---	1	---	---	---	---	1	---	---	---	---	---	724.96	719.78
	D2.2	42+18	39.2' RT	---	1	---	---	---	---	---	---	1	---	---	---	725.02	720.63
	D3	41+49	12.0' RT	1	---	---	1	---	---	---	---	---	---	---	---	724.41	718.88
	D3.1	41+49	19.5' LT	---	1	---	---	---	---	---	---	1	---	---	---	723.48	720.14
	D3.2	41+49	3.3' RT	---	---	1	---	---	---	1	---	---	---	---	---	724.05	719.52
	D3.3	41+49	19.5' RT	---	1	---	---	---	---	---	---	1	---	---	---	724.56	720.06
	D4	42+49	12' RT	1	---	---	1	---	---	---	---	---	---	---	---	724.40	718.95
	D4.1	42+49	19.2' LT	---	1	---	---	---	---	---	---	1	---	---	---	723.08	720.11
	D4.2	42+49	3.3' RT	---	---	1	---	---	---	1	---	---	---	---	---	724.01	719.50
	D4.3	42+49	19.2' RT	---	1	---	---	---	---	---	---	1	---	---	---	724.58	720.03
	D5	40+00	12.0' RT	1	---	---	1	---	---	---	---	---	---	---	---	725.15	719.39
	D5.1	40+00	19.5' LT	---	1	---	---	---	---	---	---	1	---	---	---	724.23	720.49
	D5.2	40+00	19.5' RT	---	1	---	---	---	---	---	---	1	---	---	---	725.13	720.57
	D6	38+25	12.0' RT	1	---	---	1	---	---	---	---	---	---	---	---	726.10	720.37
	D6.1	38+25	19.5' LT	---	1	---	---	---	---	---	---	1	---	---	---	725.54	721.63
	D6.2	38+25	19.5' RT	---	1	---	---	---	---	---	---	1	---	---	---	726.08	721.55
	D7	36+50	12.0' RT	1	---	---	1	---	---	---	---	---	---	---	---	727.09	721.35
	D7.1	36+50	19.5' LT	---	1	---	---	---	---	---	---	1	---	---	---	726.53	722.50
	D7.2	36+50	19.5' RT	---	1	---	---	---	---	---	---	1	---	---	---	727.07	722.42
	E1	46+79	42.4' LT	---	1	---	---	---	---	1	---	---	---	---	---	724.79	721.00
	E2	46+77	10.0' RT	1	---	---	---	1	---	---	---	---	---	---	---	726.02	721.13
	E3	46+77	38.3' RT	---	1	---	---	---	---	1	---	---	---	---	---	726.51	721.20
	E3.1	46+81	43.7' RT	1	---	---	1	---	---	---	---	---	---	---	---	727.25	721.25
	E3.2	46+47	38.0' RT	---	1	---	---	---	---	---	---	1	---	---	---	726.53	721.36
	E3.3	46+31	19.5' RT	---	1	---	---	---	---	---	---	1	---	---	---	726.18	721.99
	E4	47+00	10.0' RT	1	---	---	1	---	---	---	---	---	---	---	---	726.04	721.19
	E4.1	47+00	18.9' LT	---	1	---	---	---	---	---	---	1	---	---	---	725.24	722.33
	E4.2	47+00	18.8' RT	---	1	---	---	---	---	---	---	1	---	---	---	726.10	722.28
	E5	48+75	10.0' RT	1	---	---	1	---	---	---	---	---	---	---	---	727.08	721.72

~ CONTINUE ~

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

STORM SEWER STRUCTURES ~ CONTINUED ~

CATEGORY	STRUCTURE	STATION	*** OFFSET*	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.0666 INLET COVERS TYPE Z EACH	611.2004 MANHOLES 4-FT DIA EACH	611.2005 MANHOLES 5-FT DIA EACH	611.2006 MANHOLES 6-FT DIA EACH	611.1004 CATCH BASINS 4-FT DIA EACH	611.1005 CATCH BASINS 5-FT DIA EACH	611.1230 CATCH BASINS 2X3-FT EACH	611.3004 INLETS 4-FT DIA EACH	SPV.0060.37 INLETS 6-FT DIA EACH	611.3230 INLETS 2X3-FT EACH	**** RIM ELEVATION	* INVERT ELEVATION
	E5.1	48+75	17.5' LT	---	1	---	---	---	---	---	---	1	---	---	---	726.32	722.86
0010	E5.2	48+75	17.5' RT	---	1	---	---	---	---	---	---	1	---	---	---	727.12	722.76
	F2	62+66	8.0' LT	1	---	---	---	---	1	---	---	---	---	---	---	696.77	690.48
	F2.1	62+66	21.5' LT	---	1	---	---	---	---	---	1	---	---	---	---	696.46	690.26
	F3	61+96	8.0' LT	1	---	---	---	---	1	---	---	---	---	---	---	696.89	690.66
	F3.1	62+17	42.6' LT	---	1	---	---	---	---	---	---	1	---	---	---	697.09	693.87
	F3.2	61+97	16.5' LT	---	1	---	---	---	---	1	---	---	---	---	---	696.75	693.20
	F3.3	61+74	35.9' RT	---	1	---	---	---	---	---	---	1	---	---	---	696.66	692.37
	F4	61+08	8.0' LT	1	---	---	1	---	---	---	---	---	---	---	---	697.34	691.70
	F4.1	61+08	16.5' LT	---	1	---	---	---	---	---	---	1	---	---	---	697.13	692.92
	F4.2	61+08	20.3' RT	---	1	---	---	---	---	---	---	1	---	---	---	697.03	692.44
	F4.3	61+23	58.6' RT	---	1	---	---	---	---	---	---	1	---	---	---	699.33	694.78
	F5	57+65	8.0' LT	1	---	---	1	---	---	---	---	---	---	---	---	699.94	693.42
	F5.1	57+65	16.5' LT	---	1	---	---	---	---	---	---	1	---	---	---	699.72	694.53
	F5.2	57+61	16.5' RT	---	1	---	---	---	---	---	---	1	---	---	---	699.84	694.51
	F5A	57+12	8.0' LT	1	---	---	1	---	---	---	---	---	---	---	---	701.82	693.67
	F6	55+00	8.0' LT	1	---	---	1	---	---	---	---	---	---	---	---	714.58	708.28
	F6.1	55+00	16.5' LT	---	1	---	---	---	---	---	---	1	---	---	---	714.36	709.94
	F6.2	55+00	16.5' RT	---	1	---	---	---	---	---	---	1	---	---	---	714.36	709.53
	F7	52+37	8.0' LT	1	---	---	1	---	---	---	---	---	---	---	---	726.37	720.64
	F7.1	52+37	16.5' LT	---	1	---	---	---	---	---	---	1	---	---	---	726.18	721.69
	F7.2	52+37	16.5' RT	---	1	---	---	---	---	---	---	1	---	---	---	726.18	721.28
	G2	62+63	21.5' RT	---	1	---	---	---	---	1	---	---	---	---	---	696.40	690.25
	G3	62+33	21.5' RT	---	1	---	---	---	---	---	---	1	---	---	---	696.35	691.78
	G4	51+35	38.3' LT	---	1	---	---	---	---	1	---	---	---	---	---	727.25	723.30
	G5	51+34	50.7' RT	---	1	---	---	---	---	1	---	---	---	---	---	730.12	723.53
	G5.1	51+03	49.8' RT	---	1	---	---	---	---	1	---	---	---	---	---	730.00	723.79
	G5.2	50+98	20.3' RT	---	1	---	---	---	---	---	---	1	---	---	---	728.33	724.44
	PROJECT ID 8080-07-70 SUMMARY			**24**	**53**	**2**	**20**	**2**	**2**	**19**	**1**	**35**	**0**	**0**	**0**		
0020	H2	68+25	22' LT	---	1	---	---	---	---	---	---	---	---	---	1	711.80	706.47
	H3	68+25	22' RT	---	1	---	---	---	---	---	---	---	---	---	1	711.80	707.36
	I2	69+57	48.4' RT	---	1	---	---	---	---	---	---	---	---	---	1	718.36	713.54
	I3	69+86	47.8' RT	---	1	---	---	---	---	---	---	---	---	---	1	719.68	714.35
	J1A	70+46	67.3' LT	1	---	---	---	---	1	---	---	---	---	---	---	723.00	709.10
	J2	70+50	21.5' LT	---	1	---	---	---	---	---	---	---	---	1	---	722.63	712.88
	J3	70+50	10.5' RT	1	---	---	---	---	1	---	---	---	---	---	---	723.11	713.30
	J3.1	70+50	23.5' RT	---	1	---	---	---	---	---	---	---	---	---	1	723.03	718.56
	J4	73+89	12' RT	1	---	---	---	1	---	---	---	---	---	---	---	736.48	727.72
	J4.1	74+00	17.5' LT	---	1	---	---	---	---	---	---	---	---	---	1	736.14	731.12
	J4.2	73+89	17.5' RT	---	1	---	---	---	---	---	---	---	---	---	1	736.45	729.87
	J4.3	73+65	36.5' RT	---	1	---	---	---	---	---	---	---	---	---	1	736.01	730.28
	J4.4	73+34	38.5' RT	---	1	---	---	---	---	---	---	---	---	---	1	735.11	731.11
	J5	77+00	12' RT	1	---	---	---	1	---	---	---	---	---	---	---	742.32	729.37
	J6	79+87	12' RT	1	---	---	---	1	---	---	---	---	---	---	---	741.41	730.90
	J6.1	79+75	17.5' LT	---	1	---	---	---	---	---	---	---	---	---	1	740.62	736.27
	J6.2	79+90	36.9' RT	---	1	---	---	---	---	---	---	---	1	---	---	741.66	734.01
	J6.3	80+24	38.4' RT	---	1	---	---	---	---	---	---	---	---	---	1	741.48	737.09
	J6.4	79+80	18.1' RT	---	1	---	---	---	---	---	---	---	---	---	1	741.49	736.09
	J7	81+85	12' RT	1	---	---	---	1	---	---	---	---	---	---	---	739.02	731.99
	J7.1	81+85	17.5' LT	---	1	---	---	---	---	---	---	---	---	---	1	738.38	733.53

~ CONTINUE ~

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

STORM SEWER STRUCTURES ~ CONTINUED ~

CATEGORY	STRUCTURE	STATION	*** OFFSET*	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.0666 INLET COVERS TYPE Z EACH	611.2004 MANHOLES 4-FT DIA EACH	611.2005 MANHOLES 5-FT DIA EACH	611.2006 MANHOLES 6-FT DIA EACH	611.1004 CATCH BASINS 4-FT DIA EACH	611.1005 CATCH BASINS 5-FT DIA EACH	611.1230 CATCH BASINS 2X3-FT EACH	611.3004 INLETS 4-FT DIA EACH	SPV.0060.37 INLETS 6-FT DIA EACH	611.3230 INLETS 2X3-FT EACH	**** RIM ELEVATION	* INVERT ELEVATION	
0020	J7.2	81+83	17.5' RT	---	1	---	---	---	---	---	---	---	---	---	1	739.03	733.94	4.26
	J8	84+10	12' RT	1	---	---	---	1	---	---	---	---	---	---	---	743.34	734.06	8.03
	J9	84+10	61.3' RT	1	---	---	---	1	---	---	---	---	---	---	---	744.48	736.72	6.51
	J9.1	84+44	45.9' RT	---	1	---	---	---	---	---	---	---	---	---	1	744.07	740.01	3.23
	J9.2	84+04	61.6' RT	---	1	---	---	---	---	---	---	---	---	---	1	744.39	739.84	3.72
	J10	84+85	12' RT	1	---	---	---	1	---	---	---	---	---	---	---	744.36	734.82	8.29
	J10.1	84+85	17.5' LT	---	1	---	---	---	---	---	---	---	---	---	1	743.98	739.55	3.60
	J10.2	84+85	23.5' RT	---	1	---	---	---	---	---	---	---	---	---	1	744.26	739.35	4.08
	J11	88+28	12' RT	1	---	---	---	1	---	---	---	---	---	---	---	745.16	737.98	5.93
	J12	90+18	12' RT	1	---	---	---	1	---	---	---	---	---	---	---	744.63	738.46	4.92
	J12.1	90+08	17.5' LT	---	1	---	---	---	---	---	---	---	---	---	1	744.47	740.05	3.59
	J12.2	90+18	17.5' LT	---	1	---	---	---	---	---	---	---	---	---	1	744.46	739.50	4.13
	J12.3	90+18	17.5' RT	---	1	---	---	---	---	---	---	---	---	---	1	744.46	739.59	4.04
	J12.4	90+08	17.5' RT	---	1	---	---	---	---	---	---	---	---	---	1	744.47	740.14	3.50
	J12A	91+10	12' RT	1	---	---	---	1	---	---	---	---	---	---	---	744.82	738.75	4.82
	J13	92+20	12' RT	1	---	---	---	1	---	---	---	---	---	---	---	746.13	739.07	5.81
	J14	93+63	12' RT	1	---	---	---	1	---	---	---	---	---	---	---	750.93	739.88	9.80
	J14.1	93+63	17.5' LT	---	1	---	---	---	---	---	---	---	---	---	1	750.77	746.52	3.42
	J14.2	93+63	17.5' RT	---	1	---	---	---	---	---	---	---	---	---	1	750.77	746.27	3.67
	J15	96+55	12' RT	1	---	---	---	---	1	---	---	---	---	---	---	761.56	753.31	7.00
	J15.1	96+48	17.5' LT	---	1	---	---	---	---	---	---	---	---	---	1	761.24	756.39	4.02
	J16	96+63	34.1' RT	1	---	---	---	1	---	---	---	---	---	---	---	761.72	755.66	4.81
	J16.1	96+60	38.2' RT	---	1	---	---	---	---	---	---	---	---	---	1	761.59	757.06	3.70
	J16.2	96+97	37.9' RT	---	1	---	---	---	---	---	---	---	---	---	1	762.24	757.41	4.00
	J16.3	97+18	17.5' RT	---	1	---	---	---	---	---	---	---	---	---	1	762.70	758.31	3.56
	J17	99+75	12' RT	1	---	---	1	---	---	---	---	---	---	---	---	769.17	763.62	4.30
	J17.1	99+75	17.5' LT	---	1	---	---	---	---	---	---	---	---	---	1	769.01	764.65	3.53
	J17.2	99+75	17.5' RT	---	1	---	---	---	---	---	---	---	---	---	1	769.01	764.41	3.77
	J18	103+83	12' RT	1	---	---	1	---	---	---	---	---	---	---	---	777.06	771.18	4.63
	J18.1	103+83	17.5' LT	---	1	---	---	---	---	---	---	---	---	---	1	776.90	772.08	3.99
	J18.2	103+83	17.5' RT	---	1	---	---	---	---	---	---	---	---	---	1	776.90	772.34	3.73
	J19	106+25	12' RT	1	---	---	1	---	---	---	---	---	---	---	---	779.55	773.70	4.60
	J19.1	106+25	17.5' LT	---	1	---	---	---	---	---	---	---	---	---	1	779.39	775.10	3.46
	J19.2	106+25	17.5' RT	---	1	---	---	---	---	---	---	---	---	---	1	779.39	774.86	3.70
	J20	108+63	12' RT	1	---	---	---	---	1	---	---	---	---	---	---	782.05	776.18	4.62
	J20.1	108+74	17.5' LT	---	1	---	---	---	---	---	---	---	---	---	1	782.04	777.50	3.71
	J20.2	108+63	26.8' RT	---	1	---	---	---	---	---	---	---	1	---	---	781.72	776.83	4.06
	K2	111+10	39.3' LT	---	1	---	---	---	---	---	---	---	1	---	---	786.02	779.00	6.19
	K4	110+96	54.4' RT	---	1	---	---	---	---	---	---	---	1	---	---	786.60	782.02	3.75
	K5	111+38	56.9' RT	---	1	---	---	---	---	---	---	---	1	---	---	786.70	781.82	4.05
	PROJECT ID 8080-05-70 SUMMARY			**20**	**41**	**0**	**3**	**13**	**4**	**0**	**0**	**0**	**5**	**1**	**35**			
	PROJECT TOTALS			**44**	**94**	**2**	**23**	**15**	**6**	**19**	**1**	**35**	**5**	**1**	**35**			

* FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. CATCH BASIN DEPTH INCLUDES A 2-FOOT SUMP.
FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE
** DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT (INLETS)
DEPTH = RIM ELEV - INVERT - COVER HEIGHT - 6-INCH ADJUSTMENT RINGS HEIGHT + 2-FOOT SUMP AS REQUIRED (CATCH BASINS)
*** STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
**** RIM FOR CURB INLETS COVERS EQUALS FLOWLINE

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

CONCRETE CURB AND GUTTER 30-INCH

CATEGORY	STATION TO STATION	LOCATION	601.0409 TYPE A LF	601.0411 TYPE D LF
0010	VINE TO ELM	LT	295	---
	VINE TO ELM	RT	365	---
	ELM	LT/RT	---	106
	ELM TO ORANGE	LT	383	---
	ELM TO ORANGE	RT	379	---
	ORANGE	LT/RT	---	95
	ORANGE TO MYRTLE	LT	385	---
	ORANGE TO MYRTLE	RT	378	---
	MYRTLE	LT/RT	---	96
	MYRTLE TO ST CROIX	LT	805	---
	MYRTLE TO ST CROIX	RT	795	---
	ST CROIX	LT/RT	---	136
	ST CROIX TO RIVER	LT	441	---
	ST CROIX TO RIVER	RT	443	---
	RIVER	LT/RT	---	166
	RIVER TO DIVISION	LT	442	---
	RIVER TO DIVISION	RT	442	---
	DIVISION	LT/RT	---	127
	DIVISION TO NORTH	LT	1109	---
	DIVISION TO SHOP	RT	1028	---
	SHOP	RT	---	10
	NORTH	RT	---	12
	NORTH TO WILLOW BRIDGE	LT	205	---
	SHOP TO WILLOW BRIDGE	RT	296	---
	PROJECT ID 8080-07-70 SUMMARY		**8191**	**748**
0010	WILLOW BRIDGE TO SOUTH	RT	164	---
	SOUTH	LT/RT	---	46
	SOUTH TO WISCONSIN N	RT	369	---
	WILLOW BRIDGE TO WISCONSIN N	LT	546	---
	WISCONSIN N	LT/RT	---	96
	WISCONSIN N TO ST CROIX N	RT	648	---
	WISCONSIN N TO ST CROIX N	LT	659	---
	ST CROIX N	LT/RT	---	82
	ST CROIX N TO MONROE	RT	410	---
	ST CROIX N TO MONROE	LT	411	---
	MONROE	RT	---	10
	MONROE TO MICHAELSON	RT	1260	---
	MICHAELSON	RT	---	28
	MICHAELSON	RT	---	24
	MICHAELSON TO SOMMERS	RT	1528	---
	MONROE TO SOMMERS	LT	2729	---
	SOMMERS	LT/RT	---	18
	PROJECT ID 8080-05-70 SUMMARY		**8724**	**304**
0010	WISCONSIN N	LT	---	14
	MICHAELSON		---	30
	PROJECT ID 8080-05-72 SUMMARY		**---**	**44**
0010	SOMMERS TO NORTH END	RT	---	638
	PROJECT ID 8080-02-73 SUMMARY		**---**	**638**

~ CONTINUE ~

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

CONCRETE CURB AND GUTTER 30-INCH ~ CONTINUED ~

CATEGORY	STATION TO STATION	LOCATION	601.0409 TYPE A LF	601.0411 TYPE D LF
0010	226+17 - 242+87.9	RT	466	33
	242+87.9 - 22+20.80	RT	137	---
	WISCONSIN ST	LT/RT	415	---
	COMMERCIAL ST	LT/RT	241	---
	WALNUT ST	LT/RT	272	---
	VINE ST	LT/RT	47	---
	CATEGORY 0010 SUBTOTALS		**1578**	**33**
0020	231+84 - 232+38	LT/RT	111	7
	242+23 - 242+75	LT/RT	131	51
	18+04 - 18+51	LT/RT	120	47
	CATEGORY 0020 SUBTOTALS		362	105
	PROJECT ID 8080-02-60 SUMMARY		**1940**	**138**
0010	205+31 - 205+46	RT	---	18
	206+00 - 213+60	C/L	765	---
	205+85 - 206+17	RT	---	56
	208+10 - 208+28	RT	---	48
	208+59 - 208+70	RT	---	47
	215+71 - 218+29	RT	---	259
	216+41 - 215+59	RT	---	52
	217+15 - 218+80	RT	---	105
	PROJECT ID 8080-02-61 SUMMARY		**765**	**585**
0010	218+02 - 226+17	RT	571	---
	COULEE RD	LT/RT	354	---
	PROJECT ID 8080-02-72 SUMMARY		**925**	**---**
	PROJECT TOTALS		**20545**	**2457**

MOBILIZATION

PROJECT	619.1000 EACH	628.1905 EROSION CONTROL EACH	628.1910 EMERGENCY EROSION CONTROL EACH
PROJECT ID 8080-07-70 SUMMARY	**0.20**	**3**	**1**
PROJECT ID 8080-05-70 SUMMARY	**0.20**	**3**	**1**
PROJECT ID 8080-02-73 SUMMARY	**0.10**	**1**	**1**
PROJECT ID 8080-02-60 SUMMARY	**0.10**	**3**	**1**
PROJECT ID 8080-02-61 SUMMARY	**0.10**	**---**	**---**
PROJECT ID 8080-02-72 SUMMARY	**0.10**	**1**	**1**
PROJECT ID 8080-07-72 SUMMARY	**0.10**	**---**	**---**
PROJECT ID 8080-05-72 SUMMARY	**0.10**	**---**	**---**
PROJECT TOTALS	**1**	**11**	**5**

CONCRETE CURB PEDESTRIAN

STATION TO STATION	LOCATION	601.0600 LF
STH 35/ORANGE NE QUAD	RT	14
STH 35/ST CROIX NW QUAD	LT	17
STH 35/NORTH SW QUAD	LT	19
PROJECT ID 8080-07-70 SUMMARY		**50**
STH 35/MONROE NW QUAD	LT	31
89+63	LT	5
STH 35/MICHAELSON SE QUAD	RT	16
PROJECT ID 8080-05-70 SUMMARY		**52**
VINE ST	RT	52
PROJECT ID 8080-02-60 SUMMARY		**52**
218+02 - 226+17	LT	65
COULEE RD	LT	69
PROJECT ID 8080-02-72 SUMMARY		**134**
PROJECT TOTAL		**288**

CONCRETE STEPS

STATION	LOCATION	602.1500 SF
79+69	RT	20
105+31	RT	12
PROJECT ID 8080-05-70 SUMMARY		**32**
PROJECT TOTAL		**32**

FENCE SAEFTY

LOCATION	616.0700.S LF
UNDISTRIBUTED	1800
PROJECT ID 8080-07-70 SUMMARY	**1800**
UNDISTRIBUTED	960
PROJECT ID 8080-05-70 SUMMARY	**960**
PROJECT TOTAL	**2760**

CURB RAMP DETECTABLE WARNING FIELD

CATEGORY	LOCATION	602.0505 YELLOW SF	602.0605 YELLOW RADIAL SF	602.0515 NATURAL PATINA SF	602.0615 NATURAL PATINA RADIAL SF
0010	STH 35/ELM	---	---	48	---
	STH 35/ORANGE	---	---	48	---
	STH 35/MYRTLE	---	---	48	---
	STH 35/ST CROIX	---	---	56	---
	STH 35/RIVER	---	---	48	---
	STH 35/DIVISION	---	---	48	---
	STH 35/SHOP	---	---	8	38
	STH 35/NORTH	---	---	8	17
	PROJECT ID 8080-07-70 SUMMARY	**---**	**---**	**312**	**55**
0010	STH 35/SOUTH	16	23	---	---
	STH 35/WISCONSIN	24	42	---	---
	STH 35/ST CROIX N	48	---	---	---
	STH 35/MONROE	16	38	---	---
	STH 35/MICHAELSON	32	---	---	---
	STH 35/SOMMERS	24	---	---	---
	PROJECT ID 8080-05-70 SUMMARY	**160**	**103**	**---**	**---**
0010	STH 35/WISCONSIN	---	---	20	---
	STH 35/COMMERCIAL	---	---	20	25
	STH 35/WALNUT	---	---	40	---
	STH 35/VINE	---	---	40	---
CATEGORY 0010 SUBTOTALS		**---**	**---**	**120**	**25**
0020	232+02	---	---	10	---
	232+17	---	---	20	---
	242+50	---	---	20	---
	242+67	---	---	20	---
	18+11	---	---	10	---
	18+14	---	---	10	---
	18+30	---	---	20	---
CATEGORY 0020 SUBTOTALS		**---**	**---**	**110**	**---**
	PROJECT ID 8080-02-60 SUMMARY	**---**	**---**	**120**	**25**
0010	205+42	---	---	16	---
	208+25	---	---	16	---
	208+61	---	---	16	---
	PROJECT ID 8080-02-61 SUMMARY	**---**	**---**	**48**	**---**
0010	STH 35/LOLO'S CAFE	---	---	16	22
	STH 35/COULEE	---	---	40	24
	PROJECT ID 8080-02-72 SUMMARY	**---**	**---**	**56**	**46**
	PROJECT TOTALS	**160**	**103**	**536**	**126**

CONCRETE BARRIER TEMPORARY PRECAST

LOCATION/STAGE	603.8000 DELIVERED LF	603.8125 INSTALLED LF
204+00 – 218+02 / STAGE 3	972	972
PROJECT ID 8080-02-60 SUMMARY	**972**	**972**
PROJECT TOTALS	**972**	**972**

MAINTENANCE AND REPAIR OF HAUL ROADS

PROJECT	618.0100 EACH
PROJECT ID 8080-07-70 SUMMARY	**1**
PROJECT ID 8080-05-70 SUMMARY	**1**
PROJECT ID 8080-02-73 SUMMARY	**1**
PROJECT ID 8080-02-60 SUMMARY	**1**
PROJECT ID 8080-02-72 SUMMARY	**1**
PROJECT TOTAL	**5**

CONCRETE MEDIAN SLOPED NOSE

STATION	LOCATION	TYPE	620.0300 SF
41+45	MEDIAN	1	48
41+79	MEDIAN	2	16
42+26.5	MEDIAN	2	16
42+59.5	MEDIAN	1	48
PROJECT ID 8080-07-70 SUMMARY			**128**
PROJECT TOTAL			**128**

WATER

LOCATION	624.0100 MGAL
BASE COMPACTION	129
DUST CONTROL	129
PROJECT ID 8080-07-70 SUMMARY	**258**
BASE COMPACTION	134
DUST CONTROL	134
PROJECT ID 8080-05-70 SUMMARY	**268**
BASEC COMPACTION	19
DUST CONTROL	19
PROJECT ID 8080-02-73 SUMMARY	**38**
PROJECT TOTAL	**564**

FLEXIBLE TUBULAR MARKERS

LOCATION/STAGE	643.0500 POSTS EACH	643.0600 BASES EACH
204+00 – 218+02 / STAGE 3	57	57
226+17 – 242+87.90 / STAGE 2	3	3
PROJECT ID 8080-02-60 SUMMARY	**60**	**60**
218+02 – 226+17 / STAGE 2	8	8
218+02 – 226+17 / STAGE 3	9	9
PROJECT ID 8080-02-72 SUMMARY	**17**	**17**
PROJECT TOTALS	**77**	**77**

TRAFFIC CONTROL

PROJECT	643.5000 EACH
PROJECT ID 8080-07-70 SUMMARY	**0.20**
PROJECT ID 8080-05-70 SUMMARY	**0.20**
PROJECT ID 8080-02-73 SUMMARY	**0.20**
PROJECT ID 8080-02-60 SUMMARY	**0.20**
PROJECT ID 8080-02-72 SUMMARY	**0.20**
PROJECT TOTAL	**1**

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

3

2

STORM SEWER ITEMS

STATION TO STATION	LOCATION	520.8000 CONCRETE COLARS FOR PIPE EACH	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.1004 CATCH BASINS 4-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	SPV.0060.38 ADJUSTING INLET COVERS & REPLACING RINGS EACH	611.8120.S COVER PLATES TEMPORARY EACH
226+17 - 242+87.90	LT	---	---	---	---	---	---	---	3	2	---	3
226+17 - 242+87.90	RT	---	---	---	---	---	---	---	2	7	---	2
17+87.90 - 22+20.80	LT	---	---	---	---	---	---	---	---	1	---	---
17+87.90 - 22+20.80	RT	---	---	---	---	---	---	---	1	3	---	1
PROJECT ID 8080-02-60 SUMMARY		---	**---**	**---**	**---**	**---**	**---**	**---**	**6**	**13**	**---**	**6**
218+02 - 226+17	LT	---	---	---	---	---	---	---	2	1	1	2
218+02 - 226+17	RT	5	83	5	1	3	3	1	4	1	3	4
PROJECT ID 8080-02-72 SUMMARY		**5**	**83**	**5**	**1**	**3**	**3**	**1**	**6**	**2**	**4**	**6**
PROJECT TOTALS		**5**	**83**	**5**	**1**	**3**	**3**	**1**	**12**	**15**	**4**	**12**

STORM SEWER ITEMS

CATEGORY	STRUCTURE NUMBER	SPV.0060.24 ADJUST EXISTING CASTING EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH
0020	508	---	1	---	---	1	---	---	---
	509	---	---	---	1	---	---	---	1
	510EX	1	---	---	---	---	---	---	---
	511	---	---	---	1	1	---	---	---
	513	---	---	---	1	---	---	---	1
	514	---	---	---	1	---	---	---	1
	515	---	---	---	1	---	---	1	---
	516	---	1	---	---	---	1	---	---
	517	---	---	---	1	---	---	---	1
	518	---	---	---	1	---	---	---	1
	519	---	---	---	1	---	1	---	---
	520	---	---	---	1	---	---	---	1
	521	---	---	---	1	---	---	---	1
	524	---	1	---	---	1	---	---	---
PROJECT ID 8080-02-60 SUMMARY		**1**	**3**	**---**	**10**	**3**	**2**	**1**	**7**
0010	49	---	---	---	1	---	---	---	1
	50	---	1	---	---	1	---	---	
	51	---	---	---	1	---	---	---	1
	52	---	---	1	---	1	---	---	
	53	---	---	---	1	---	---	---	1
PROJECT ID 8080-02-61 SUMMARY		**---**	**1**	**1**	**3**	**2**	**---**	**---**	**3**
PROJECT TOTALS		**1**	**4**	**1**	**13**	**5**	**2**	**1**	**10**

STORM SEWER PIPE REINFORCED CONCRETE CLASS IV

CATEGORY	FROM STRUCTURE	TO STRUCTURE	608.0412 12-INCH LF	608.042 15-INCH LF	608.0418 18-INCH LF	608.0436 36-INCH LF
0020	508	524	18	---	---	---
	509	508	26	---	---	---
	513	515	54	---	---	---
	517	516	8	---	---	---
	518	517	24	---	---	---
	519	EXISTING PIPE	---	---	---	21
	520	519	---	---	26	---
	521	520	6	---	---	---
PROJECT ID 8080-02-60 SUMMARY			**136**	**---**	**26**	**21**
0010	49	68EX	36	---	---	---
	50	EXISTING PIPE	---	---	29	---
	51	EXISTING PIPE	---	---	22	---
	52	51	---	29	---	---
	53	EXISTING PIPE	---	11	---	---
PROJECT ID 8080-02-61 SUMMARY			**36**	**40**	**51**	**---**
PROJECT TOTALS			**172**	**40**	**77**	**21**

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

3

2

LANDSCAPE ITEMS

CATEGORY	lOCATION/STATION TO STATION	632.0101.01 TREES BUR OAK B&B,2" CAL. EA	632.0101.02 TREES REDBUD ZUMI CRABAPPLE B&B,2" CAL. EA	632.0101.03 TREES AMUR MAACKIA B&B,2" CAL. EA	632.0101.04 TREES COMMON HACKBERRY B&B,2" CAL. EA	632.0101.05 TREES SKYLINE HONEYLOCUST B&B,2" CAL. EA	632.0101.06 TREES THORNLESS HAWTHORNE B&B,2" CAL. EA	632.0101.07 TREES KENTUCKY COFFEETREE B&B,2" CAL. EA	632.0101.08 TREES IVORY SILK TREE LILAC B&B,2" CAL. EA	632.0101.09 TREES LONDON PLANETREE B&B,2" CAL. EA	632.0101.10 TREES PIN OAK B&B,2" CAL. EA	632.0101.11 TREES ELM REGAL' B&B,2" CAL. EA	632.0101.12 TREES SPRING FLURRY SERVICEBERRY B&B,2" CAL. EA
0010	ELM - DIVISION												
	20+50 - 23+50	-	-	-	-	-	-	-	-	-	-	-	-
	23+50 - 29+50	-	-	-	-	-	-	-	-	-	-	3	-
	29+50 - 35+50	2	-	-	-	3	-	2	-	-	-	-	-
	35+50 - 41+50	1	-	-	-	1	-	-	-	3	2	3	-
	41+50 - 47+50	6	-	-	6	5	-	-	-	-	-	-	-
	47+50 - 53+50	-	-	-	-	1	-	4	-	-	-	-	-
	53+50 - 59+50	-	-	-	-	-	-	-	-	-	-	-	-
	59+50 - 64+29.50	-	-	-	-	-	-	-	-	-	-	-	-
	PROJECT ID 8080-07-70 SUMMARY	**9**	**0**	**0**	**6**	**10**	**0**	**6**	**0**	**3**	**2**	**6**	**0**
0040	WISCONSIN N - SOMMERS												
	65+50 - 71+50	-	-	-	-	-	-	-	-	-	-	-	-
	71+50 - 77+50	-	-	-	-	2	-	-	-	5	4	-	-
	77+50 - 83+50	-	-	-	-	6	-	2	-	-	-	4	2
	83+50 - 89+50	4	3	-	-	-	-	-	2	2	-	-	-
	89+50 - 95+50	-	-	3	3	-	3	4	-	-	2	-	-
	95+50 - 101+50	-	4	-	4	-	-	-	3	-	1	-	-
	101+50 - 107+50	-	4	2	-	-	-	-	-	-	-	3	4
	107+50 - 112+09.34	-	-	-	-	-	-	-	-	-	-	-	-
	PROJECT ID 8080-05-70 SUMMARY	**4**	**11**	**5**	**7**	**8**	**3**	**6**	**5**	**7**	**7**	**7**	**6**
	PROJECT TOTALS	**13**	**11**	**5**	**13**	**18**	**3**	**12**	**5**	**10**	**9**	**13**	**6**

PLANT DATA CHART

SYM	COMMON NAME DECIDUOUS TREES	SCIENTIFIC NAME	TYPE	AVG. MATURE HEIGHT	SIZE (CAL. OR HT.) WHEN PLANTED	ROOT ZONE MODE	MINIMUM SIZE BALL/POT DIAM	BALL/POT DEPTH	PLANT HOLE DEPTH	BRACE OR GUY REQ'D GUY	BRACE	FERT. UNITS REQ'D	RODENT PROTECT DIAM.	MULCH RING DIA.
BO	Burr Oak	Quercus macrocarpa	1	50'	2" Cal.	B&B	24"	14"	14"	NO	NO	4	NO	60"
CA	Redbud Zume Crabapple	Malus x sumi 'Calocarpa'	3	20'	2" Cal.	B&B	24"	14"	14"	NO	NO	2	NO	60"
CC	Amur Maackia	Prunus maackii	3	20'	2" Cal.	B&B	24"	14"	14"	NO	NO	2	NO	60"
HB	Common Hackberry	Celtis occidentalis	1	50'	2" Cal.	B&B	24"	14"	14"	NO	NO	4	NO	60"
HL	Skyline Honeylocust	Gleditisia triacanthos f. inermis ‘Skycole'	1	50'	2" Cal.	B&B	24"	14"	14"	NO	NO	4	NO	60"
HT	Thorless Hawthorne	Crataegus crus-galli 'Inermis'	3	20'	2" Cal.	B&B	24"	14"	14"	NO	NO	2	NO	60"
KC	Kentucky Coffeetree, Espresso	Gymnocladus dioicus 'Espresso'	1	60'	2" Cal.	B&B	24"	14"	14"	NO	NO	4	NO	60"
LI	Ivory Silk Japanese Tree Lilac	Syringa reticulata 'Ivory Silk'	3	20'	2" Cal.	B&B	24"	14"	14"	NO	NO	2	NO	60"
LP	London Plane Tree	Platanus x acerifolia	1	50'	2" Cal.	B&B	24"	14"	14"	NO	NO	4	NO	60"
PO	Pin Oak	Quercus palustris	1	50'	2" Cal.	B&B	24"	14"	14"	NO	NO	4	NO	60"
RE	Elm 'Regal'	Ulmus 'Regal'	1	50'	2" Cal.	B&B	24"	14"	14"	NO	NO	4	NO	60"
SB	Spring Flurry Serviceberry	Amelanchier laevis 'JFS-ARB' ™	3	20'	2" Cal.	B&B	24"	14"	14"	NO	NO	2	NO	60"

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

3

2

LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES

CATEGORY	LOCATION/STATION TO STATION	632.9101 EA
0010	ELM - DIVISION	10
	PROJECT ID 8080-07-70 SUMMARY	**10**
0040	WISCONSIN N - SOMMERS	10
	PROJECT ID 8080-05-70 SUMMARY	**10**
	PROJECT TOTAL	**20**

FIELD OFFICE TYPE B

PROJECT	642.5001 EACH
PROJECT ID 8080-07-70 SUMMARY	**0.20**
PROJECT ID 8080-05-70 SUMMARY	**0.20**
PROJECT ID 8080-02-73 SUMMARY	**0.10**
PROJECT ID 8080-02-60 SUMMARY	**0.10**
PROJECT ID 8080-02-61 SUMMARY	**0.10**
PROJECT ID 8080-02-72 SUMMARY	**0.10**
PROJECT ID 8080-07-72 SUMMARY	**0.10**
PROJECT ID 8080-05-72 SUMMARY	**0.10**
PROJECT TOTAL	**1**

EROSION CONTROL ITEMS

STATION TO STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	625.0100 TOPSOIL SY	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	628.1504 SILT FENCE LF	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	628.7555 CULVERT PIPE CHECK EACH	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL	645.0130 GEOTEXTILE TYPE R SY
204+00 - 218+02	LT/RT	---	---	---	---	---	---	---	---	5	---	---	---	---	---	---
226+17 - 242+87.90	LT/RT	---	148	63	---	---	211	11	---	14	---	0	6	---	5	---
17+87.90 - 22+20.80	LT/RT	---	158	68	---	---	225	5	---	8	---	0.14	7	---	6	4
Undistributed		---	---	---	275	---	---	---	10	---	---	---	---	5	---	---
PROJECT ID 8080-02-60 SUMMARY		**---**	**306**	**131**	**275**	**---**	**436**	**16**	**10**	**27**	**---**	**0.3**	**13**	**5**	**11**	**4**
218+02 - 226+17	LT/RT	---	471	202	---	361	673	8	---	14	---	0.4	19	---	16	---
Undistributed		---	---	---	275	---	---	---	2	---	---	---	---	5	---	---
PROJECT ID 8080-02-72 SUMMARY		**---**	**471**	**202**	**275**	**361**	**673**	**8**	**2**	**14**	**---**	**0.4**	**19**	**5**	**16**	**---**
22+20.80 - 64+29.50	LT/RT	20	2794	1198	---	---	3992	51	---	51	---	2.5	108	---	90	50
Undistributed		---	---	---	825	---	---	---	10	---	---	---	---	15	---	---
PROJECT ID 8080-07-70 SUMMARY		**20**	**2794**	**1198**	**825**	**---**	**3992**	**51**	**10**	**51**	**---**	**2.5**	**108**	**15**	**90**	**50**
64+29.50 - 112+00	LT/RT	8	2626	1125	---	374	3751	53	50	---	2	2.4	102	---	85	30
Undistributed		---	---	---	688	---	---	---	---	---	---	---	---	15	---	---
PROJECT ID 8080-05-70 SUMMARY		**8**	**2626**	**1125**	**688**	**374**	**3751**	**53**	**50**	**---**	**2**	**2.4**	**102**	**15**	**85**	**30**
112+00 - 118+50	LT/RT	---	1455	624	---	---	2079	---	---	---	4	1.31	57	---	38	---
Undistributed		---	---	---	688	---	---	---	---	---	---	---	---	10	---	---
PROJECT ID 8080-02-73 SUMMARY		**---**	**1455**	**624**	**688**	**---**	**2079**	**---**	**---**	**---**	**4**	**1.3**	**57**	**10**	**38**	**---**
PROJECT TOTALS		**28**	7652	3280	**2750**	**735**	**10931**	**128**	**72**	92	**6**	**6.9**	**299**	**50**	**240**	**84**

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

ERECTION AND REMOVAL OF TYPE II SIGNS AND SUPPORTS

CATEGORY 0010	SIGN NO.	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 REFLECTIVE F SF	634.0814 POSTS TUBULAR STEEL 2x2x14 EACH	634.0816 2x2x16 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
	1-1	R1-1	36 X 36	7.46		---	1	1	1	
	1-2	J4-1	24 X 36	6.00		---	1	1	1	SEE PLAN SHEET
	1-3	J4-1	24 X 36	6.00		---	---	1	---	SEE PLAN SHEET
	1-4	R7-1D	24 X 30	5.00		1	---	1	1	
	1-5	W12-2	36 X 36		9.00	---	1	1	1	
	1-6	W20-50F	30 X 8		1.67	---	---	1	---	
	1-7	J32-1	24 X 69	11.50		---	1	1	1	SEE PLAN SHEET
	1-8	J2-2	48 X 57	19.00		---	---	1	---	
	1-9	R2-1	24 X 30	5.00		1	---	1	1	
	2-1	R7-1D	24 X 30	5.00		1	---	1	1	
	2-2	J2-3	72 X 57	28.50		---	1	1	1	SEE PLAN SHEET
	2-3	WO3-5	36 X 36		9.00	---	1	1	1	
	3-3	R3-5L	42 X 48	14		---	---	1	---	
	3-4	R3-5A	42 X 48	14		---	---	1	---	
	3-5	R3-5R	42 X 48	14		---	---	1	---	
	3-6	W3-3	36 X 36		9.00	---	1	1	1	
	3-7	R2-1	24 X 30	5.00		---	---	1	---	
	3-8	R2-1	24 X 30	5.00		---	---	1	---	
	3-9	R1-1	30 X 30	7.46		1	---	1	1	
	3-10	R1-6	12 X 36	3.00		---	---	1	---	
	3-11	R1-1	36 X 36	7.46		---	1	1	1	
	3-12	R1-1	36 X 36	7.46		---	1	1	1	
	3-13	R1-6	12 X 36	3.00		---	---	1	---	
	4-1	R1-1F	30 X 30	5.18		---	---	1	---	
	4-2	R1-1F	30 X 30	5.18		---	---	1	---	
	4-3	R1-1F	30 X 30	5.18		---	---	1	---	
	4-4	R10-11B	24 X 24	4.00		1	---	1	1	
	4-5	R10-11B	24 X 24	4.00		1	---	1	1	
	4-6	R1-1F	30 X 30	5.18		---	---	1	---	
	4-7	R1-1F	30 X 30	5.18		---	---	1	---	
	4-8	R1-1F	30 X 30	5.18		---	---	1	---	
	4-9	R1-1	30 X 30	5.18		1	---	1	1	
	4-10	R1-1	30 X 30	5.18		1	---	1	1	
	4-11	R1-6	12 X 36	3.00		---	---	1	---	
	4-12	R1-1F	30 X 30	5.18		---	---	1	---	
	4-13	R1-1F	30 X 30	5.18		---	---	1	---	
PROJECT ID 8080-02-60 SUMMARY				**236.64**	**28.67**	**8**	**9**	**36**	**17**	
	2-4	R3-8W	54 X 30	11.25		1	---	1	1	
	2-5	J1-2	48 X 39	13.00		---	1	1	1	SEE PLAN SHEETS
	2-6	R3-2	30 X 30	6.25		1	---	1	1	
	2-7	R1-1	30 X 30	5.18		---	1	1	1	
	2-8	R3-50R	30 X 36	7.50		---	---	1	---	
	2-9	W3-3	36 X 36		9.00	---	1	1	1	
	2-10	R2-1	24 X 30	5.00		1	---	1	1	
	2-11	R2-1	24 X 30	5.00		1	---	1	1	
	2-12	R14-1	24 X 18	3.00		1	---	1	1	
	2-13	J3-1	24 X 57	9.50		---	---	1	---	SEE PLAN SHEETS
	2-14	J3-1	24 X 57	9.50		---	---	1	---	
	2-15	R1-1F	30 X 30	5.18		---	---	1	---	
	2-16	R3-5L	42 X 48	14.00		---	---	1	---	
	2-17	R3-5A	42 X 48	14.00		---	---	1	---	
	2-18	R3-5R	42 X 48	14.00		---	---	1	---	
	2-19	R1-1F	30 X 30	6.25		---	---	1	---	
	2-20	R1-1F	30 X 30	6.25		---	---	1	---	

~ CONTINUE ~

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

ERECTION AND REMOVAL OF TYPE II SIGNS AND SUPPORTS

~ CONTINUED ~

CATEGORY 0010	SIGN NO.	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0814 POSTS TUBULAR STEEL 2x2x14 EACH	634.0816 POSTS TUBULAR STEEL 2x2x16 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
	3-1	J4-1	24 X 36	6.00		---	---	1	---	SEE PLAN SHEETS
	3-2	R1-1F	30 X 30	5.18		---	---	1	---	SEE PLAN SHEETS
PROJECT ID 8080-02-72 SUMMARY				**146.04**	**9.00**	**5**	**3**	**19**	**8**	
	4-14	R1-1F	30 X 30	5.18		1	---	1	1	
	4-15	R2-1	24 X 30	5.00		1	---	1	1	
	5-1	J4-1	24 X 36	6.00		---	1	1	1	SEE PLAN SHEETS
	5-2	W11-2	30 X 30		6.25	---	1	1	1	
		S16-7L	24 X 12		2.00	---	---	1	---	
	5-3	W11-2	30 X 30		6.25	---	1	1	1	
		S16-7L	24 X 12		2.00	---	---	1	---	
	5-4	R1-1	30 X 30	5.18		1	---	1	1	
	5-5	R1-1	30 X 30	5.18		1	---	1	1	
	5-6	R1-1	30 X 30	5.18		1	---	1	1	
	5-7	R2-1	24 X 30	5.00		1	---	1	1	
	5-8	J4-1	24 X 36	6.00		---	1	1	1	SEE PLAN SHEETS
	5-9	J4-1	24 X 36	6.00		---	---	1	---	SEE PLAN SHEETS
	5-10	R1-1	30 X 30	5.18		1	---	1	1	
	5-11	R1-1	30 X 30	5.18		1	---	1	1	
	5-12	R1-6	12 X 36	3.00		---	---	1	---	
	5-13	W11-2	30 X 30		6.25	1	---	1	1	
	5-14	W11-2	30 X 30		6.25	1	---	1	1	
	5-15	J4-1	24 X 36	6.00		---	1	1	1	SEE PLAN SHEETS
	5-16	R1-1	30 X 30	5.18		1	---	1	1	
	5-17	R1-1	30 X 30	5.18		1	---	1	1	
	5-18	R1-6	12 X 36	3.00		---	---	1	---	
	5-19	W11-2	30 X 30		6.25	---	1	1	1	
		S16-7L	24 X 12		2.00	---	---	1	---	
	5-20	W11-2	30 X 30		6.25	---	1	1	1	
		S16-7L	24 X 12		2.00	---	---	1	---	
	5-21	S1-1	36 X 36		9.00	---	1	1	1	
		S16-9P	24 X 12		2.00	---	---	1	---	
	6-1	S4-51	24 X 48		8.00	---	1	1	1	
	6-2	S5-2	24 X 30		5.00	1	---	---	---	
	6-3	J4-1	24 X 36	6.00		---	1	1	1	SEE PLAN SHEETS
	6-4	R4-7	24 X 30	5.00		1	---	---	---	
	6-5	S1-1	36 X 36		9.00	---	1	1	1	
		S16-7R	24 X 12		2.00	---	---	1	---	
	6-6	S1-1	36 X 36		9.00	---	1	1	1	
		S16-7L	24 X 12		2.00	---	---	1	---	
	6-7	S1-1	36 X 36		9.00	---	1	1	1	
		S16-7R	24 X 12		2.00	---	---	1	---	
	6-8	S1-1	36 X 36		9.00	---	1	1	1	
		S16-7L	24 X 12		2.00	---	---	1	---	
	6-9	R1-1	30 X 30	5.18		1	---	1	1	
	6-10	R1-1	30 X 30	5.18		1	---	1	1	
	6-11	R4-7	24 X 30	5.00		1	---	1	---	
	6-12	J4-1	24 X 36	6.00		---	1	1	1	SEE PLAN SHEETS
	6-13	R2-1	24 X 30	5.00		1	---	1	1	
	6-14	S4-51	24 X 48		8.00	---	1	1	1	
	6-15	S5-2	24 X 30		5.00	1	---	---	---	
	6-16	R3-17	30 X 24	5.00		---	1	---	---	
		R3-17AP	30 X 12	2.50		---	---	---	---	
	6-17	R1-1	30 X 30	5.18		1	---	1	1	
	6-18	R1-1	30 X 30	5.18		1	---	1	1	

~ CONTINUE ~

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

ERECTION AND REMOVAL OF TYPE II SIGNS AND SUPPORTS

~ CONTINUED ~

CATEGORY 0010	SIGN NO.	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0814 POSTS TUBULAR STEEL 2x2x14 EACH	634.0816 POSTS TUBULAR STEEL 2x2x16 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
	6-19	R3-17	30 X 24	5.00		---	1	---	---	
		R3-17BP	30 X 12	2.50		---	---	---	---	
	6-20	S1-1	36 X 36		9.00	---	1	1	1	
		S16-9P	24 X 12		2.00	---	---	1	---	
	7-1	W12-2	36 X 36	9.00		---	1	1	1	
	7-2	R8-3	18 X 24	3.00		1	---	---	---	
	7-3	R8-3	18 X 24	3.00		1	---	---	---	
	7-4	R3-17	30 X 24	5.00		1	---	---	---	
	7-5	R2-1	24 X 30	5.00		1	---	1	1	
	7-6	R2-1	24 X 30	5.00		1	---	1	1	
	7-7	R1-1	30 X 30	5.18		1	---	1	1	
	7-8	R1-1	30 X 30	5.18		1	---	1	1	
	7-9	R3-17	30 X 24	5.00		1	---	---	---	
	7-10	R8-3	18 X 24	3.00		1	---	---	---	
	711	R8-3	18 X 24	3.00		1	---	---	---	
	7-12	R8-3	18 X 24	3.00		1	---	---	---	
	7-13	R8-3	18 X 24	3.00		1	---	1	---	
	7-14	W12-2	36 X 36	9.00		---	1	1	1	
	7-15	W12-2	36 X 36	9.00		---	1	---	1	
	7-16	R8-3	18 X 24	3.00		1	---	---	---	
	7-17	R8-3	18 X 24	3.00		1	---	---	---	
	7-18	R8-3	18 X 24	3.00		1	---	---	---	
	7-19	R8-3	18 X 24	3.00		1	---	---	---	
	8-1	R3-17	30 X 24	5.00		---	1	---	---	
		R3-17AP	30 X 12	2.50		---	---	---	---	
	8-2	R2-1	24 X 30	5.00		1	---	1	1	
	8-3	R3-17	30 X 24	5.00		---	1	1	---	
		R3-17AP	30 X 12	2.50		---	---	1	---	
	8-4	W12-2	36 X 36	9.00		---	1	1	1	
	8-5	W12-2A	42 X 18	5.25		1	---	1	---	
	8-6	R2-1	24 X 30	5.00		1	---	1	1	
	8-7	I2-3	60 X 24	10.00		1	---	1	1	
PROJECT ID 8080-07-70 SUMMARY				**280.77**	**137.50**	**41**	**25**	**62**	**45**	
0010	8-8	R10-64	30 X 36	7.50		---	1	1	1	
	8-9	I2-3	90 X 24	15.00		1	---	1	1	
	8-10	J4-1	24 X 36	6.00		---	1	1	1	SEE PLAN SHEETS
	8-11	J4-1	24 X 36	6.00		---	1	1	1	SEE PLAN SHEETS
	8-12	R1-1	30 X 30	5.18		**1**	**---**	**1**	**1**	
	8-13	R7-1D	18 X 24	3.00		1	---	1	1	
	8-14	R7-1L	18 X 24	3.00		**1**	**---**	**1**	**1**	
	8-15	R2-1	24 X 30	5		1	---	1	1	
	8-16	J4-1	24 X 36	6		---	1	1	1	SEE PLAN SHEETS
	8-17	R2-1	24 X 30	5		1	---	1	1	
	9-1	R7-1D	18 X 24	3		1	---	1	1	
	9-2	R1-1	30 X 30	5.18		1	---	1	1	
	9-3	R1-1	30 X 30	5.18		1	---	1	1	
	9-4	R7-1D	18 X 24	3		1	---	1	1	
	9-5	R7-1D	18 X 24	3		1	---	1	1	
	9-6	R7-1D	18 X 24	3		1	---	1	1	
	9-7	R7-1D	18 X 24	3		1	---	1	1	
	9-8	J4-1	24 X 36	6		---	1	1	1	SEE PLAN SHEETS
	9-9	R7-1D	18 X 24	3		1	---	1	1	
	9-10	R7-1D	18 X 24	3		1	---	1	1	

~ CONTINUE ~

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

ERECTION AND REMOVAL OF TYPE II SIGNS AND SUPPORTS

~ CONTINUE ~

CATEGORY 0010	SIGN NO.	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0814 POSTS TUBULAR STEEL 2x2x14 EACH	634.0816 POSTS TUBULAR STEEL 2x2x16 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
	9-11	R1-1	30 X 30	5.18		1	---	1	1	
	9-12	R1-1	30 X 30	5.18		1	---	1	1	
	9-13	R2-1	24 X 30	5		1	---	1	1	
	9-14	S5-2	24 X 30		5	1	---	1	1	
	9-15	WO3-3	48 X 48		16	---	1	1	1	
	9-16	S1-1	36 X 36		9	---	1	1	1	
	9-17	S16-9P	24 X 12		2	---	---	---	---	
	9-18	R2-6P	24 X 18	3		---	---	---	---	
	9-19	R3-8LF	36 X 30	7.5		1	---	1	1	
	9-20	R7-1D	18 X 24	3		1	---	1	1	
	9-21	R3-5L	42 X 48	14		---	---	1	---	
	9-22	R3-6R	42 X 48	14		---	---	1	---	
	9-23	R7-1D	18 X 24	3		---	---	1	---	
	9-24	R7-1D	18 X 24	3		---	---	1	---	
	9-25	R1-1F	30 X 30	6.25		---	---	1	---	
	9-26	R1-1F	36 X 36	7.46		---	---	---	---	
	9-27	R1-1F	36 X 36	7.46		---	---	---	---	
	10-1	R1-1	30 X 30	5.18		1	---	1	1	
	10-2	R7-1D	18 X 24	3		---	---	1	---	
	10-3	R7-1D	18 X 24	3		---	---	1	---	
	10-4	R2-1	24 X 30	5		1	---	1	1	
	10-5	R3-5L	42 X 48	14		---	---	1	---	
	10-6	R3-6R	42 X 48	14		---	---	1	---	
	10-7	R7-1D	18 X 24	3		1	---	1	1	
	10-8	R7-1D	18 X 24	3		1	---	1	1	
	10-9	WO3-3	48 X 48	16	16	---	1	1	1	
	10-10	R7-1D	18 X 24	3		---	1	1	1	
	10-11	R7-1D	18 X 24	3		---	1	1	1	
	10-12	S1-1	36 X 36		9	---	1	1	1	
	10-13	S16-9P	24 X 12		2	---	---	---	---	
	10-14	R2-6P	24 X 18	3		---	---	---	---	
	10-15	J4-1	24 X 36	6		---	1	1	1	SEE PLAN SHEETS
	10-16	J4-1	24 X 36	6		---	1	1	1	SEE PLAN SHEETS
	10-17	R7-1D	18 X 24	3		1	---	1	1	
	10-18	R7-1D	18 X 24	3		1	---	1	1	
	10-19	R2-1	24 X 30	5		1	---	1	1	
	10-20	S1-1	36 X 36		9	---	1	1	1	
	10-21	S16-9P	24 X 12		2	---	---	---	---	
	10-22	R2-6P	24 X 18	3		---	---	---	---	
	10-23	R7-1D	18 X 24	3		1	---	1	1	
	10-24	R7-1D	18 X 24	3		1	---	1	1	
	11-1	S1-1	36 X 36	9		---	1	1	1	
	11-2	S16-7L	24 X 12		2	---	---	---	---	
	11-3	S1-1	36 X 36		9	---	1	1	1	
	11-4	S16-7L	24 X 12		2	---	---	---	---	
	11-5	R1-1	30 X 30	5.18		1	---	1	1	
	11-6	R2-1	24 X 30	5		1	---	1	1	
	11-7	R7-1D	18 X 24	3		1	---	1	1	
	11-8	R7-1D	18 X 24	3		1	---	1	1	
	11-9	S1-1	36 X 36		9	---	1	1	1	
	11-10	S16-9P	24 X 12		2	---	---	---	---	
	11-11	R2-6P	24 X 18	3		---	---	---	---	
	11-12	R7-1D	18 X 24	3		1	---	1	1	
	11-13	R7-1D	18 X 24	3		1	---	1	1	

~ CONTINUE ~

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

ERECTION AND REMOVAL OF TYPE II SIGNS AND SUPPORTS

~ CONTINUED ~

CATEGORY 0010	SIGN NO.	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0814 POSTS TUBULAR STEEL 2x2x14 EACH	634.0816 POSTS TUBULAR STEEL 2x2x16 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
	11-14	R2-1	24 X 30	5		1	---	1	1	
	11-15	R2-1	24 X 30	5		---	1	1	1	
	11-16	S5-2	24 X 30		5	---	---	1	---	
	11-17	R7-1D	18 X 24	3		1	---	1	1	
	11-18	R7-1D	18 X 24	3		1	---	1	1	
	11-19	R7-1D	18 X 24	3		1	---	1	1	
	11-20	R7-1D	18 X 24	3		1	---	1	1	
	12-1	R7-1D	18 X 24	3		1	---	1	1	
	12-2	R7-1D	18 X 24	3		1	---	1	1	
	12-4	R2-1	24 X 30	5		---	1	1	1	
	12-3	R7-1L	18 X 24	3		---	---	1	---	
	12-5	R7-1R	18 X 24	3		1	---	1	1	
	12-6	R1-1	30 X 30	5.18		1	---	1	1	
	12-7	R1-1	30 X 30	5.18		1	---	1	1	
PROJECT ID 8080-05-70 SUMMARY				**373.79**	**99**	**46**	**19**	**76**	**65**	
	12-9	W12-2	36 X 36		9	---	1	1	1	
	12-10	W20-50F	30 X 8		1.67	---	---	1	---	
	12-8	R2-1	24 X 30	5		1	---	1	1	
PROJECT ID 8080-02-73 SUMMARY				**5**	**10.67**	**1**	**1**	**3**	**2**	
PROJECT TOTAL				**1042.24**	**285**	**101**	**57**	**196**	**137**	

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

3

2

TRAFFIC CONTROL ITEMS

LOCATION/STAGE	NUMBER OF DAYS	643.0300 DRUMS EACH	643.0300 DRUMS DAY	643.0410 BARRICADES TYPE II EACH	643.0410 BARRICADES TYPE II DAY	643.0420 BARRICADES TYPE III EACH	643.0420 BARRICADES TYPE III DAY	643.0705 WARNING LIGHTS TYPE A EACH	643.0705 WARNING LIGHTS TYPE A DAY	643.0715 WARNING LIGHTS TYPE C EACH	643.0715 WARNING LIGHTS TYPE C DAY	643.0800 ARROW BOARDS EACH	643.0800 ARROW BOARDS DAY	643.0900 SIGNS EACH	643.0900 SIGNS DAY	643.0910 ** COVERING SIGNS TYPE I EACH	643.0920 ** COVERING SIGNS TYPE II EACH	643.1000 SIGNS FIXED MESSAGE SF	643.1050 SIGNS PCMS DAY	643.1070 CONES 42-INCH EACH	643.1070 CONES 42-INCH DAY
VINE - MYRTLE	90	10	600	7	630	20	1800	40	3600	---	---	---	---	17	1530	---	---	---	---	---	---
MYRTLE - DIVISION	90	10	600	8	720	26	2340	52	4680	---	---	---	---	18	1620	---	---	---	---	---	---
DIVISION - WILLOW BRIDGE / STAGE 1	7	32	224	1	7	20	140	26	182	---	---	---	---	11	77	---	---	---	---	---	---
DIVISION - WILLOW BRIDGE / STAGE 2	7	---	---	---	---	18	126	26	182	---	---	---	---	7	49	---	---	---	---	---	---
DIVISION - WILLOW BRIDGE / STAGE 3	45	45	2025	1	45	13	585	21	945	---	---	---	---	15	675	---	---	---	---	---	---
DIVISION - WILLOW BRIDGE / STAGE 4	45	40	1800	2	90	12	540	19	855	---	---	---	---	16	720	---	---	---	---	---	---
UNDISTRIBUTED			530		150		560		1050						470						
PROJECT ID 8080-07-70 SUMMARY			**5779**		**1642**		**6091**		**11494**		**---**		**---**		**5141**	**---**	**---**	**---**	**---**		**---**
WILLOW BRIDGE - WISCONSIN N / STAGE 1	7	---	---	--	---	5	35	6	42	---	---	---	---	2	14	---	---	---	---	---	---
WILLOW BRIDGE - WISCONSIN N / STAGE 2	7	---	---	--	---	9	---	11	---	---	---	---	---	3	---	---	---	---	---	---	---
WILLOW BRIDGE - WISCONSIN N / STAGE 3	45	15	450	2	90	8	240	12	360	---	---	---	---	6	180	---	---	---	---	---	---
WILLOW BRIDGE - WISCONSIN N / STAGE 4	45	16	480	2	90	8	240	12	360	---	---	---	---	6	180	---	---	---	---	---	---
WISCONSIN N - MONROE	90	10	900	6	540	20	1800	40	3600	---	---	---	---	12	1080	---	---	---	---	---	---
MONROE - MICHAELSON	90	10	900	3	270	17	1530	34	3060	---	---	---	---	9	810	---	---	---	---	---	---
MICHAELSON - SOMMERS	90	10	900	1	---	14	1260	28	2520	---	---	---	---	7	630	---	---	---	---	---	---
UNDISTRIBUTED			363		99		520		1000						290						
PROJECT ID 8080-05-70 SUMMARY			**3993**		**1089**		**5625**		**10942**		**---**		**---**		**3184**	**---**	**---**	**---**	**---**		**---**
SOMMERS - NORTH END	30	30	900	---	---	6	180	18	540	---	---	---	---	23	530	---	---	---	---	---	---
UNDISTRIBUTED			50				18								53						
PROJECT ID 8080-02-73 SUMMARY			**950**		**---**		**198**		**540**		**---**		**---**		**583**	**---**	**---**	**---**	**---**		**---**
204+00 - 218+02 / STAGE 1	11	11	121	2	22	2	22	4	44	6	66	1	11	14	154	---	---	---	---	56	616
204+00 - 218+02 / STAGE 2	24	63	1512	---	---	---	---	---	---	6	144	1	24	12	288	---	---	---	---	58	1392
204+00 - 218+02 / STAGE 3	11	20	220	---	---	3	33	6	66	20	220	1	11	12	132	---	---	---	---	---	---
PED RAMPS / STAGE 2	24	32	768	36	864	16	384	32	768	---	---	---	---	52	1248	---	---	---	---	---	---
226+17 - 242+87.90 / STAGE 1	11	3	33	---	---	---	---	---	---	---	---	---	---	12	132	---	---	---	---	66	726
226+17 - 242+87.90 / STAGE 2	24	67	1608	---	---	---	---	---	---	---	---	---	---	12	288	---	---	---	---	66	1584
226+17 - 242+87.90 / STAGE 3	11	---	---	---	---	---	---	---	---	---	---	---	---	2	22	---	---	---	---	---	---
17+87.90 - 22+20.80 / STAGE 1	11	---	---	---	---	---	---	---	---	---	---	---	---	12	132	---	---	---	---	18	198
17+87.90 - 22+20.80 / STAGE 2	24	18	432	---	---	---	---	---	---	---	---	---	---	12	288	---	---	---	---	18	432
DETOUR	46	---	---	---	---	---	---	---	---	---	---	---	---	200	9200	10	5	150	28	---	---
PROJECT ID 8080-02-60 SUMMARY			**4694**		**886**		**439**		**878**		**430**		**46**		**11884**	**10**	**5**	**150**	**28**		**4948**
218+02 - 226+17 / STAGE 1	11	4	44	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	29	319
218+02 - 226+17 / STAGE 2	24	33	792	---	---	---	---	---	---	---	---	---	---	6	144	---	---	---	---	---	---
218+02 - 226+17 / STAGE 3	11	6	66	---	---	3	33	6	66	6	66	1	11	1	11	---	---	---	---	---	---
PED RAMPS / STAGE 2	24	8	192	9	216	4	96	8	192	---	---	---	---	13	312	---	---	---	---	---	---
PROJECT ID 8080-02-72 SUMMARY			**1094**		**216**		**129**		**258**		**66**		**11**		**467**	**---**	**---**	**---**	**---**		**319**
PROJECT TOTALS			**16510**		**3833**		**12482**		**24112**		**496**		**57**		**21259**	**10**	**5**	**150**	**28**		**5267**

* VINE TO DIVISION AND WISCONSIN N TO NORTH END, USE 4 TYPE III ON MAINLINE AND 3 TYPE III ON SIDE STREETS.
** TRAFFIC CONTROL COVERING SIGNS = 1 CYCLE

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

TEMPORARY PEDESTRIAN SURFACE PLYWOOD

LOCATION	644.1420 SF
VINE TO ELM	1743
ELM TO ORANGE	1360
ORANGE TO MYRTLE	1476
MYRTLE TO ST CROIX	4016
ST CROIX TO RIVER	2120
RIVER TO DIVISION	2078
DIVISION TO SHOP	243
DIVISION TO NORTH	240
SHOP TO WILLOW BRIDGE	333
NORTH TO WILLOW BRIDGE	86
UNDISTRIBUTED	664
PROJECT ID 8080-07-70 SUMMARY	**14359**
SOUTH TO WISCONSIN N	111
WILLOW BRIDGE TO WISCONSIN N	223
WISCONSIN N TO ST CROIX N	2195
ST CROIX N TO MONROE	920
MONROE TO MICHAELSON	3279
MICHAELSON TO SOMMERS	2204
UNDISTRIBUTED	447
PROJECT ID 8080-05-70 SUMMARY	**9379**
WISCONSIN	256
COMMERCIAL	512
WALNUT	512
VINE	512
PROJECTID 8080-02-60 SUMMARY	**1792**
219+65	256
COULEE	512
PROJECT ID 8080-02-72 SUMMARY	**768**
PROJECT TOTAL	**26298**

TEMPORARY PEDESTRIAN BARRICADE

LOCATION/STAGE	644.1810 LF
204+00 - 218+02 / STAGE 1	2804
226+17 - 242+87.90 / STAGE 1	3342
17+87.90 - 22+20.80 / STAGE 1	866
PROJECT ID 8080-02-60 SUMMARY	**7012**
218+02 - 226+17 / STAGE 1	1630
PROJECT ID 8080-02-72 SUMMARY	**1630**
PROJECT TOTAL	**8642**

TEMPORARY CURB RAMP

LOCATION	644.1601 DAY	NUMBER OF RAMPS
ELM	360	6
ORANGE	360	6
MYRTLE	360	6
ST CROIX	600	10
RIVER	360	6
DIVISION	240	4
NORTH	120	2
SHOP	120	2
UNDISTRIBUTED	252	---
PROJECT ID 8080-07-70 SUMMARY	**2772**	
SOUTH	120	2
WISCONSIN N	300	5
ST CROIX N	240	4
MONROE	240	4
MICHAELSON	180	3
SOMMERS	60	1
UNDISTRIBUTED	120	---
PROJECT ID 8080-05-70 SUMMARY	**1260**	
WISCONSIN	48	2
COMMERCIAL	96	4
WALNUT	96	4
VINE	96	4
PROJECTID 8080-02-60 SUMMARY	**336**	
219+65	48	2
COULEE	96	4
PROJECT ID 8080-02-72 SUMMARY	**144**	
PROJECT TOTAL	**4512**	

MARKING REMOVAL LINE

STATION TO STATION	LOCATION	646.9000 4-INCH LF	646.9100 8-INCH LF
204+00 - 218+02	LT/RT	2600	100
PROJECT ID 8080-02-60 SUMMARY		**2600**	**100**
218+02 - 226+17	LT/RT	300	---
PROJECT ID 8080-02-72 SUMMARY		**300**	**---**
112+00 - 118+50	LT/RT	288	50
PROJECT ID 8080-02-73 SUMMARY		**288**	**50**
PROJECT TOTALS		**3188**	**150**

MARKING LINE GROOVED WET REF EPOXY 4-INCH

STATION TO STATION	LOCATION	646.1040 YELLOW LF	646.1040 WHITE LF
205+99 - 213+60	LT/RT	1530	192
PROJECT ID 8080-02-61 SUMMARY		**1530**	**192**
PROJECT TOTALS		**1530**	**192**

MARKING PARKING STALL EPOXY

CATEGORY	STATION TO STATION	LOCATION	646.8320 WHITE LF
0040	226+17 - 242+87.90	LT/RT	828
	17+87.90 - 22+20.80	LT/RT	179
	PROJECT ID 8080-02-60 SUMMARY		**1007**

TEMPORARY MARKING ITEMS

STATION TO STATION	LOCATION	649.0105 LINE PAINT 4-INCH WHITE LF	649.0105 LINE PAINT 4-INCH YELLOW LF	649.0150 LINE REMOVABLE TAPE 4-INCH WHITE LF	649.0150 LINE REMOVABLE TAPE 4-INCH YELLOW LF	649.0550 ARROW REMOVABLE TAPE EACH
204+00 - 218+02	LT/RT	---	---	1423	2846	---
226+17 - 242+87.90	LT/RT	---	2771	---	---	---
17+87.90 - 22+20.80	LT/RT	---	643	---	---	---
PROJECT ID 8080-02-60 SUMMARY		**---**	**3414**	**1423**	**2846**	**---**
218+02 - 226+17	LT/RT	900	2914	577	404	8
PROJECT ID 8080-02-72 SUMMARY		**900**	**2914**	**577**	**404**	**8**
112+00 - 118+50	LT/RT	1360	1486	---	---	---
PROJECT ID 8080-02-73 SUMMARY		**1360**	**1486**	**---**	**---**	**---**
PROJECT TOTALS		**2260**	**7814**	**2000**	**3250**	**8**

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

PAVEMENT MARKING EPOXY

STATION TO STATION	LOCATION	646.1020 LINE 4-INCH YELLOW LF	646.1020 LINE 4-INCH WHITE LF	646.1020 SKIPS YELLOW LF	646.1020 12.5 FT LINE 37.5 FT SKIP WHITE LF	646.3020 LINE 8-INCH WHITE LF	646.5020 ARROW TYPE 2 WHITE EACH	646.5020 ARROW TYPE 3 WHITE EACH	646.5120 WORD WHITE EACH	646.5220 SYMBOL WHITE EACH	646.6120 STOP LINE 18-INCH WHITE LF	646.7120 DIAGONAL 12-INCH YELLOW LF	646.7220 CHEVRON 24-INCH WHITE LF	646.7520 CROSSWALK BLOCK STYLE 24-INCH WHITE LF	646.7420 CROSSWALK TRANSVERSE LINE 6-INCH WHITE LF	646.8120 CURB YELLOW LF	646.8220 ISLAND NOSE YELLOW EACH
204+00 - 218+02	LT/RT	3570	---	---	2835	---	---	---	---	---	---	92	---	---	---	---	---
226+17 - 242+87.90	LT/RT	2771	---	---	90	523	1	1	---	---	134	---	44	---	---	1240	---
17+87.90 - 22+20.80	LT/RT	643	---	---	---	88		2	---	---	88	---	---	---	---	542	---
PROJECT ID 8080-02-60 SUMMARY		**6984**	**---**	**---**	**2925**	**611**	**1**	**3**	**---**	**---**	**222**	**92**	**44**	**---**	**---**	**1782**	**---**
218+02 - 226+17	**LT/RT**	**2914**	**900**	**---**	**78**	**1186**	**5**	**1**	**3**		**125**	**71**	**18**	**---**	**---**	**327**	**---**
PROJECT ID 8080-02-72 SUMMARY		**2914**	**900**	**---**	**78**	**1186**	**5**	**1**	**3**		**125**	**71**	**18**	**---**	**---**	**327**	**---**
22+20.80 - 64+29.5	LT/RT	7440	2700	---	---	50	12	1	4	12	225	---	---	762	---	1172	4
PROJECT ID 8080-07-70 SUMMARY		**7570**	**2700**	**---**	**---**	**50**	**12**	**1**	**4**	**12**	**225**	**---**	**---**	**762**	**---**	**1172**	**4**
64+29.50 - 112+09.34	LT/RT	7972	---	800	---	351	6				129	43	---	330	415	626	---
PROJECT ID 8080-05-70 SUMMARY		**7972**	**---**	**800**	**---**	**351**	**6**	**---**	**---**	**---**	**129**	**43**	**---**	**330**	**415**	**626**	**---**
112+09.34 - 118+50	LT/RT	1486	1260	1146	---	32	7				---	---	---	---	---	---	---
PROJECT ID 8080-02-73 SUMMARY		**1486**	**1260**	**1146**	**---**	**32**	**7**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
PROJECT TOTALS		**26926**	**4860**	**1946**	**3003**	**2230**	**31**	**5**	**7**	**12**	**701**	**206**	**62**	**1092**	**415**	**3907**	**4**

MARKING CROSSWALK GROOVED EPOXY LADDER PATTERN 36-INCH

CATEGORY	STATION TO STATION	LOCATION	COLOR	SPV.0090.23 LF
0020	226+17 - 242+87.90	LT/RT	WHITE	501
	17+87.90 - 22+20.80	LT/RT	WHITE	231
	PROJECT ID 8080-02-60 SUMMARY			**732**
0020	218+02 - 226+17	LT/RT	WHITE	250
	PROJECT ID 8080-02-72 SUMMARY			**250**
	PROJECT TOTAL			**982**

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

3

CONSTRUCTION STAKING

CATEGORY	STATION TO STATION	650.4000 STORM SEWER EACH	650.4500 SUBGRADE LF	650.5000 BASE LF	650.7000 CONCRETE LF	650.8000 RESURFACING REFERENCE LF	650.9920 SLOPE STAKES LF
0010	22+20 – 64+30	78	4210	---	4210	---	---
	ELM	---	53	53	---	---	53
	ORANGE	---	48	48	---	---	48
	MYRTLE	---	51	51	---	---	51
	ST CROIX	---	68	68	---	---	68
	RIVER	---	86	86	---	---	86
	DIVISION	---	66	66	---	---	66
	SHOP	---	10	10	---	---	10
	NORTH	---	12	12	---	---	12
	PROJECT ID 8080-07-70 SUMMARY	**78**	**4604**	**394**	**4210**	**---**	**394**
0010	68+07 – 112+00	61	4393	---	4393	---	1625
	SOUTH	---	23	23	---	---	23
	WISCONSIN N	---	61	61	---	---	61
	ST CROIX N	---	41	41	---	---	41
	MONROE	---	5	5	---	---	5
	MICHAELSON	---	45	45	---	---	45
	SOMMERS	---	14	14	---	---	14
	PROJECT ID 8080-05-70 SUMMARY	**61**	**4582**	**189**	**4393**	**---**	**1814**
0010	112+00 – 118+38	---	736	682	55	638	638
	PROJECT ID 8080-02-73 SUMMARY	**---**	**736**	**682**	**55**	**638**	**638**
0010	226+17 – 242+87.9	---	---	---	---	1671	---
	242+87.9 – 22+20.80	---	---	---	---	355	---
	CATEGORY 0010 SUBTOTAL	**---**	**---**	**---**	**---**	**2026**	**---**
0020	231+84 – 232+38	---	---	---	54	---	---
	242+25 – 18+51	---	---	---	126	---	---
	FRONT ST TO VINE ST	14	---	---	---	---	---
	CATEGORY 0020 SUBTOTAL	**14**	**---**	**---**	**180**	**---**	**---**
	PROJECT ID 8080-02-60 SUMMARY	**14**	**---**	**---**	**180**	**2026**	**---**
0010	FRONT ST TO VINE ST	5	---	---	---	---	---
	205+99 – 213+60	---	---	---	761	---	---
	PROJECT ID 8080-02-61 SUMMARY	**5**	**---**	**---**	**761**	**---**	**---**
0010	218+02 – 226+17	4	---	---	490	815	548
	PROJECT ID 8080-02-72 SUMMARY	**4**	**---**	**---**	**490**	**815**	**548**
	PROJECT TOTALS	**162**	**9922**	**1265**	**10089**	**3479**	**3394**

CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER

CATEGORY	STATION TO STATION	LOCATION	650.5500 LF
0010	RIVER (WEST)	LT/RT	120
	PROJECT ID 8080-07-70 SUMMARY		**120**
0010	SOMMERS TO NORTH END	RT	638
	PROJECT ID 8080-02-73 SUMMARY		**638**
0010	226+17 – 242+87.9	RT	696
	242+87.9 – 22+20.80	RT	258
	STH 35 / WISCONSIN ST	LT/RT	415
	STH 35 / COMMERCIAL S	LT/RT	241
	STH 35 / WALNUT ST	LT/RT	272
	STH 35 / VINE ST	LT/RT	47
	CATEGORY 0010 SUBTOTAL		**1929**
0020	231+84 – 232+38	LT/RT	118
	242+23 – 242+75	LT/RT	182
	18+04 – 18+51	LT/RT	160
	CATEGORY 0020 SUBTOTAL		**460**
	PROJECT ID 8080-02-60 SUMMARY		**2389**
0010	205+31 – 205+46		18
	206+00 – 213+60		765
	205+85 – 206+17		56
	208+10 – 208+28		48
	208+59 – 208+70		47
	215+71 – 218+29		259
	216+41 – 216+59		52
	217+15 – 218+30		105
	PROJECT ID 8080-02-61 SUMMARY		**1350**
0010	218+02 – 226+17	RT	571
	STH 35 / COULEE ST	LT/RT	461
	PROJECT ID 8080-02-72 SUMMARY		**1032**
	PROJECT TOTAL		**5529**

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ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

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CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS

CATEGORY	LOCATION	650.8500.01 LS	650.8500.02 LS	650.8500.03 LS	650.8500.04 LS
0010	**PROJECT ID 8080-02-60**	**0.5**	**---**	**---**	**---**
0030	**PROJECT ID 8080-02-60**	**0.5**	**---**	**---**	**---**
	PROJECT ID 8080-02-60	**1**	**---**	**---**	**---**
0010	**PROJECT ID 8080-02-72**	**---**	**1**	**---**	**---**
0010	**PROJECT ID 8080-05-70**	**---**	**---**	**1**	**---**
0020	**PROJECT ID 8080-07-70**	**---**	**---**	**---**	**1**
	PROJECT TOTALS	**1**	**1**	**1**	**1**

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL

PROJECT	650.9910.01 LS	650.9910.02 LS	650.9910.03 LS	650.9910.04 LS	650.9910.05 LS
PROJECT ID 8080-02-60	**1**	**---**	**---**	**---**	**---**
PROJECT ID 8080-02-72	**---**	**1**	**---**	**---**	**---**
PROJECT ID 8080-02-73	**---**	**---**	**1**	**---**	**---**
PROJECT ID 8080-05-70	**---**	**---**	**---**	**1**	**---**
PROJECT ID 8080-07-70	**---**	**---**	**---**	**---**	**1**
PROJECT TOTALS	**1**	**1**	**1**	**1**	**1**

CONSTRUCTION STAKING CURB RAMPS

CATEGORY	LOCATION	650.9000 EACH
0010	STH 35/ELM	6
	STH 35/ORANGE	6
	STH 35/MYRTLE	6
	STH 35/ST CROIX	7
	STH 35/RIVER	6
	STH 35/DIVISION	6
	STH 35/SHOP	3
	STH 35/NORTH	2
	PROJECT ID 8080-07-70 SUMMARY	**42**
0010	STH 35/SOUTH	2
	STH 35/WISCONSIN	5
	STH 35/ST CROIX N	6
	STH 35/MONROE	4
	STH 35/MICHAELSON	4
	STH 35/SOMMERS	3
	PROJECT ID 8080-05-70 SUMMARY	**24**
0010	STH 35 / WISCONSIN ST	2
	STH 35 / COMMERCIAL ST	4
	STH 35 / WALNUT ST	4
	STH 35 / VINE ST	4
CATEGORY 0010 SUBTOTAL		**14**
0020	232+02	1
	232+17	2
	242+50	2
	242+67	2
	18+11	1
	18+14	1
	18+30	2
CATEGORY 0020 SUBTOTAL		**11**
	PROJECT ID 8080-02-60 SUMMARY	**25**
0010	205+42	1
	208+25	1
	208+61	1
	PROJECT ID 8080-02-61 SUMMARY	**3**
0010	218+02 - 226+17	2
	STH 35 / COULEE ST	6
	PROJECT ID 8080-02-72 SUMMARY	**8**
	PROJECT TOTAL	**102**

SAWING

CATEGORY	LOCATION	690.0150 ASPHALT LF	690.0250 CONCRETE LF
0010	VINE TO ELM	127	251
	ELM TO ORANGE	65	288
	ORANGE TO MYRTLE	70	237
	MYRTLE TO ST CROIX	151	181
	ST CROIX TO RIVER	59	66
	RIVER TO DIVISION	60	168
	DIVISION TO NORTH/SHOP	42	1549
	NORTH TO WILLOW BRIDGE	---	63
	SHOP TO WILLOW BRIDGE	75	168
CATEGORY 0010 SUBTOTAL		**649**	**2971**
0020	VINE TO ELM	---	139
	ELM TO ORANGE	---	145
	ORANGE TO MYRTLE	---	133
	MYRTLE TO ST CROIX	---	458
	ST CROIX TO RIVER	---	198
	RIVER TO DIVISION	---	153
	DIVISION TO NORTH/SHOP	---	14
CATEGORY 0020 SUBTOTAL		**---**	**1240**
	PROJECT ID 8080-07-70 SUMMARY	**---**	**4211**
0010	WILLOW BRIDGE TO SOUTH	180	29
	WILLOW BRIDGE TO WISCONSIN N	32	30
	SOUTH TO WISCONSIN N	127	25
	WISCONSIN N TO ST CROIX N	145	244
	ST CROIX N TO MONROE	159	180
	MONROE TO SOMMERS	471	245
	MONROE TO MICHAELSON	185	89
	MICHAELSON TO SOMMERS	153	38
	PROJECT ID 8080-05-70 SUMMARY	**1452**	**880**
0010	SOUTH TO WISCONSIN N	---	10
	WISCONSIN N TO ST CROIX N	---	180
	ST CROIX N TO MONROE	---	60
	MONROE TO MICHAELSON	---	250
	MICHAELSON TO SOMMERS	---	180
	PROJECT ID 8080-05-72 SUMMARY	**---**	**680**
0010	SOMMERS TO NORTH END	727	45
	PROJECT ID 8080-02-73 SUMMARY	**727**	**45**
0010	204+00 - 218+02	---	5587
	226+17 - 242+87.90	80	276
	17+87.90 - 22+20.80	---	109
	WISCONSIN ST	40	56
	COMMERCIAL ST	84	95
	WALNUT ST	76	140
	LOCUST ST	93	---
	VINE ST	382	133
CATEGORY 0010 SUBTOTAL		**755**	**6396**

~ CONTINUE ~

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ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

SAWING ~ CONTINUED ~

CATEGORY	LOCATION	690.0150 ASPHALT LF	690.0250 CONCRETE LF
0020	231+84 - 232+46	15	180
	242+23 - 18+51	---	308
	242+62 - 18+09	92	---
CATEGORY 0020 SUBMITTAL		**107**	**488**
0030	225+37 - 231+84	---	697
	226+27 - 231+40	---	548
	232+38 - 234+78	---	592
	235+08 - 238+68	---	428
	235+24 - 238+73	---	431
	239+10 - 242+25	---	766
	18+46 - 21+45	---	713
	22+13 - 22+31	---	26
CATEGORY 0030 SUBMITTAL		**---**	**4201**
	PROJECT ID 8080-02-60 SUMMARY	**862**	**11085**
0010	205+40 - 205+40	---	5
	205+90 - 206+17	35	5
	206+00 - 213+60	---	815
	208+12 - 208+67	92	5
	210+80 - 211+18	---	10
	214+43 - 214+43	10	---
	215+71 - 218+30	138	15
	217+15 - 218+07	---	16
	PROJECT ID 8080-02-61 SUMMARY	**275**	**871**
0010	218+02		51
	218+02 - 226+17	38	49
	COULEE RD	73	164
	PROJECT ID 8080-02-72 SUMMARY	**111**	**264**
	PROJECT TOTALS	**3427**	**15065**

SALVAGE AND REINSTALL BEAM GUARD

STATION TO STATION	LOCATION	SPV.0090.20 LF
62+49	STH 35, RT	25
PROJECT ID 8080-07-70 SUMMARY		**25**
68+25	STH 35, LT	15
70+45	STH 35, LT	25
PROJECT ID 8080-05-70 SUMMARY		**40**
PROJECT TOTAL		**65**

SALVAGE RETAINING WALL

STATION TO STATION	LOCATION	SPV.0090.21 LF
38+65 - 38+72	STH 35, RT	10
38+87 - 38+96	STH 35, RT	14
46+93 - 46+99	STH 35, RT	14
61+89 - 62+03	STH 35, LT	15
PROJECT ID 8080-07-70 SUMMARY		**53**
86+22	STH 35, LT	13
77+95 - 78+07	STH 35, RT	37
PROJECT ID 8080-05-70 SUMMARY		**50**
229+60 - 229+87	STH 35, RT	27
PROJECT ID 8080-02-60 SUMMARY		**27**
PROJECT TOTAL		**130**

CONCRETE CURB AND GUTTER 24-INCH TYPE A

STATION TO STATION	LOCATION	SPV.0090.24 LF
22+20 - 22+70	STH 35, LT	50
PROJECT ID 8080-07-70 SUMMARY		**50**
PROJECT TOTAL		**50**

TRAFFIC SIGNAL CONTROLLER TRAINING

LOCATION	651.1000.S LS
COULEE INTERSECTION	1
PROJECT ID 8080-02-72 SUMMARY	**1**
PROJECT TOTAL	**1**

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

CURE AND SEAL TREATMENT CONCRETE

	PROJECT	SPV.0165.03 MEDIAN SLOPE NOSE SF	SPV.0165.04 SIDEWALK SF	SPV.0090.25 CURB AND GUTTER LF	SPV.0090.26 CURB PEDESTRIAN LF	SPV.0165.05 STEPS SF
0010	8080-02-60	---	9162	1899	52	---
CATEGORY 0010 SUBTOTAL		**---**	**9162**	**1899**	**52**	**---**
0020	8080-02-60	---	4825	467	---	---
CATEGORY 0020 SUBTOTAL		**---**	**4825**	**467**	**---**	**---**
0030	8080-02-60	---	8143	---	---	---
CATEGORY 0030 SUBTOTAL		**---**	**8143**	**---**	**---**	**---**
PROJECT ID 8080-02-60 SUMMARY		**---**	**22130**	**2366**	**52**	**---**
0010	8080-02-72	---	2731	925	---	---
PROJECT ID 8080-02-72 SUMMARY		**---**	**2731**	**925**	**---**	**---**
0010	8080-07-70	128	15881	9123	50	---
CATEGORY 0010 SUBTOTAL		**128**	**15881**	**9123**	**50**	**---**
0020	8080-07-70	---	34623	---	---	---
CATEGORY 0020 SUBTOTAL		---	34623	---	---	---
PROJECT ID 8080-07-70 SUMMARY		**128**	**50504**	**9123**	**50**	**---**
0010	8080-05-70	---	11310	9169	52	32
PROJECT ID 8080-05-70 SUMMARY		**---**	**11310**	**9169**	**52**	**32**
0010	8080-05-72	---	5391	44	134	---
PROJECT ID 8080-05-72 SUMMARY		**---**	**5391**	**44**	**134**	**---**
0010	8080-02-73	---	---	638	---	---
PROJECT ID 8080-02-73 SUMMARY		**---**	**---**	**638**	**---**	**---**
0010	8080-02-61	---	928	1350	---	---
PROJECT ID 8080-02-61 SUMMARY		**---**	**928**	**1350**	**---**	**---**
PROJECT TOTAL		**128**	**92994**	**23615**	**288**	**32**

REMOVE, SALVAGE AND REINSTALL BRICK PAVERS

STATION TO STATION	LOCATION	SPV.0165.21 SF
31+70	DRWY RT	21
PROJECT ID 8080-07-70 SUMMARY		**21**
83+30 - 84+04	STH 35, LT	200
PROJECT ID 8080-05-70 SUMMARY		**200**
PROJECT TOTAL		**221**

RETAINING WALL FOOTING

STATION TO STATION	LOCATION	SPV.0090.22 LF
38+65 - 38+72	STH 35, RT	10
38+87 - 38+96	STH 35, RT	14
46+93 - 46+99	STH 35, RT	14
61+89 - 62+03	STH 35, LT	15
PROJECT ID 8080-07-70 SUMMARY		**53**
77+95 - 78+07	STH 35, RT	37
86+22	STH 35, LT	13
PROJECT ID 8080-05-70 SUMMARY		**50**
PROJECT TOTAL		**103**

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

CONCRETE BASES

INTERSECTION: STH 35 & COULEE RD/BUCKEYE ST

BASE NO.	STATION	OFFSET	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	654.0110 CONCRETE BASES TYPE 10 EACH	654.0113 CONCRETE BASES TYPE 13 EACH	654.0120 CONCRETE BASES TYPE 10 SPECIAL EACH	654.0217 CONCRETE CONTROL CABINET BASE TYPE 9 SPECIAL EACH
CABINET	224+59	64' LT	---	---	---	---	---	1
SB1	224+83	65' LT	1	---	---	---	---	---
SB2	225+32	60' LT	---	---	1	---	---	---
SB3	225+40	48' LT	1	---	---	---	---	---
SB4	225+46	42' LT	1	---	---	---	---	---
SB5	225+35	41' RT	---	---	---	---	1	---
SB6	225+26	48' RT	1	---	---	---	---	---
SB7	224+54	59' RT	---	---	1	---	---	---
SB8	224+53	29' RT	1	---	---	---	---	---
SB9	224+45	38' RT	1	---	---	---	---	---
SB10	224+64	56' LT	---	---	---	1	---	---
SB11	224+57	46' LT	1	---	---	---	---	---
PROJECT ID 8080-02-72 SUMMARY			**7**	**0**	**2**	**1**	**1**	**1**

INTERSECTION: STH 35 & MONROE ST

CABINET	84+56	45.0 RT	---	---	---	---	---	1
SB1	84+57	40.5 RT	1	---	---	---	---	---
SB2	84+48	46.0 RT	1	---	---	---	---	---
SB3	84+00	60.0 RT	---	1	---	---	---	---
SB4	83+76	30.5 RT	1	---	---	---	---	---
SB5	83+74	25.0 RT	---	1	---	---	---	---
SB6	83+69	22.0 LT	---	---	1	---	---	---
SB7	83+84	29.0 LT	1	---	---	---	---	---
SB8	83+98	39.0 LT	1	---	---	---	---	---
SB9	84+52	44.5 LT	---	1	---	---	---	---
SB10	84+59	35.0 LT	1	---	---	---	---	---
SB11	84+69	22.0 LT	1	---	---	---	---	---
SB12	84+63	38.0 RT		---	---	---	1	---
PROJECT ID 8080-05-70 SUMMARY			**7**	**3**	**1**	**0**	**1**	**1**
PROJECT TOTALS			**14**	**3**	**3**	**1**	**2**	**2**

REMOVING CONCRETE BASES

INTERSECTION	204.0195 EACH
STH 35 & COULEE RD/BUCKEYE ST	9
PROJECT ID 8080-02-72 SUMMARY	**9**
STH 35 & MONROE ST	8
PROJECT ID 8080-05-70 SUMMARY	**8**
PROJECT TOTAL	**17**

REMOVING PULL BOXES

INTERSECTION	653.0905 EACH
STH 35 & COULEE RD/BUCKEYE ST	12
PROJECT ID 8080-02-72 SUMMARY	**12**
STH 35 & MONROE ST	11
PROJECT ID 8080-05-70 SUMMARY	**11**
PROJECT TOTAL	**23**

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

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LOOP DETECTORS

INTERSECTION: STH 35 & MONROE ST

LOOP NO.	HOME RUN PB.	LOCATION^	SIZE (FT. X FT.)	NO. OF TURNS	PAVEMENT	SDD INSTALLATION REFERENCE	652.0800 CONDUIT LOOP DETECTOR LF	655.0700* LOOP DETECTOR LEAD-IN CABLE LF	655.0800 LOOP DETECTOR WIRE LF
11	PB3	83+45 2' RT	6' X 30'	3	ASPHALT	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)SDD 9F15-4b	132	118	396
21	PB9	86+38 8' LT	6' X 12'	3	ASPHALT	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)SDD 9F15-4b	56	281	168
41	PB6	83+98 32' LT	9' X 25'	3	ASPHALT	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)SDD 9F15-4b	108	179	324
51	PB8	84+89 3' RT	6' X 30'	3	ASPHALT	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)SDD 9F15-4b	132	87	396
61	PB4	81+96 8' RT	6' X 12'	3	ASPHALT	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)SDD 9F15-4b	60	289	180
81	PB1	84+45 40' RT	9' X 25'	3	ASPHALT	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)SDD 9F15-4b	88	16	264
PROJECT ID 8080-05-70 SUMMARY							**976**	**1488**	**2928**

^ LOCATION IS TO THE FRONT CENTER OF THE DETECTOR

* ADDITIONAL QUANTITIES UNDER THE 'SIGNAL CABLE' SECTION

CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS

LOCATION	650.8500 LS
STH 35 & COULEE RD/BUCKEYE ST	1
PROJECT ID 8080-02-72 SUMMARY	1
STH 35 & MONROE STREET	1
PROJECT ID 8080-05-70 SUMMARY	1
PROJECT TOTAL	**2**

VIDEO VEHICULAR DETECTION SYSTEM

	SPV.0105.17 FURNISH AND INSTALL VIDEO VEHICULAR DETECTION SYSTEM, STH 35 & COULEE RD / BUCKEYE ST L.S.
PROJECT ID 8080-02-72 SUMMARY	**1**
PROJECT TOTAL	**1**

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

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EQUIPMENT GROUNDING CONDUCTORS

INTERSECTION: STH 35 & COULEE ST / BUCKEYE ST

FROM	TO	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF
EQUIPMENT GROUNDING CONDUCTORS		
CABINET	SB1	34
SB1	SB2	106
SB2	SB3	47
SB3	SB4	25
SB4	SB5	143
SB5	SB6	106
SB6	SB7	99
SB7	SB8	26
SB8	SB9	69
CABINET	SB10	28
CABINET	SB11	31
PROJECT ID 8080-02-72 SUMMARY		**714**

EQUIPMENT GROUNDING CONDUCTORS - CONTINUED

INTERSECTION: STH 35 & MONROE ST

FROM	TO	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF
EQUIPMENT GROUNDING CONDUCTORS		
CABINET	SB1	5
CABINET	SB2	25
SB2	SB3	78
SB3	SB4	65
SB4	SB5	35
SB5	SB6	95
SB6	SB7	30
SB7	SB8	35
SB8	SB9	85
SB9	SB10	65
SB10	SB11	30
SB11	SB12	105
SB12	SB1	40
PROJECT ID 8080-05-70 SUMMARY		**693**
PROJECT TOTAL		**1407**

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ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

PULL BOXES NON-CONDUCTIVE

INTERSECTION: STH 35 & COULEE RD/BUCKEYE ST

PB NO.	STATION	OFFSET		653.0154 24x36-INCH EACH	653.0164 24x42-INCH EACH
PB1	224+69	61'	LT	---	1
PB2					
PB3	225+36	56'	LT	---	1
PB4	225+47	40'	LT	---	1
PB5					
PB6					
PB7	225+46	33'	RT	---	1
PB8	225+12	63'	RT	---	1
PB9	224+60	55'	RT	---	1
PB10	224+44	32'	RT	---	1
PB11					
PB12	224+53	56'	LT	---	1
PROJECT ID 8080-02-72 SUMMARY				**0**	**8**

INTERSECTION: STH 35 & MONROE ST

PB1	84+48	51'	RT	---	1
PB2	83+98	52'	RT	---	1
PB3	83+80	34'	RT	---	1
PB4	81+96	21'	RT	1	---
PB5	83+74	25'	LT	---	1
PB6	83+98	41'	LT	---	1
PB7	84+48	44'	LT	---	1
PB8	84+62	26'	LT	---	1
PB9	86+38	21'	LT	1	---
PB10	84+68	37'	RT	---	1
PROJECT ID 8080-05-70 SUMMARY				**2**	**8**
PROJECT TOTALS				**2**	**16**

SIGNAL MOUNTING HARDWARE

LOCATION	658.5069.01 LS	658.5069.02 LS
.01 STH 35 & COULEE RD / BUCKEYE ST	1	--
PROJECT ID 8080-02-72 SUMMARY	**1**	**0**
.02 STH 35 & MONROE ST	--	1
PROJECT ID 8080-05-70 SUMMARY	**0**	**1**
PROJECT TOTALS	**1**	**1**

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION	656.0200.01 LS	656.0200.02 LS
.01 STH 35 & COULEE RD / BUCKEYE ST	1	--
PROJECT ID 8080-02-72 SUMMARY	**1**	**0**
.02 STH 35 & MONROE ST	--	1
PROJECT ID 8080-05-70 SUMMARY	**0**	**1**
PROJECT TOTALS	**1**	**1**

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

SIGNAL CABLE

INTERSECTION: STH 35 & COULEE RD / BUCKEYE ST

FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0250 CABLE TRAFFIC SIGNAL 9-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF
CABINET	SB1	--	--	31	--
SB1	FACE 12	22	--	--	--
SB1	FACE 14	22	--	--	--
SB1	FACE 22	15	--	--	--
CABINET	SB2	--	--	95	--
SB2	FACE 13	46	--	--	--
SB2	FACE 21	15	--	--	--
CABINET	SB3	125	--	--	--
SB3	FACE 31	15	--	--	--
CABINET	SB4	--	--	120	--
SB4	FACE 4	22	--	--	--
SB4	FACE 6	21	--	--	--
CABINET	SB5	--	--	--	206
SB5	FACE 2	45	--	--	--
SB5	FACE 3	55	--	--	--
SB5	FACE 5	66	--	--	--
SB5	FACE 62	15	--	--	--
CABINET	SB6		--	--	270
SB6	FACE 11	21	--	--	--
SB6	FACE 15	22	--	--	--
SB6	FACE 32	15	--	--	--
CABINET	SB7	157	--	--	--
SB7	FACE 16	46	--	--	--
CABINET	SB8	162	--	--	--
SB8	FACE 42	15	--	--	--
CABINET	SB9	--	--	--	119
SB9	FACE 1	21	--	--	--
SB9	FACE 9	22	--	--	--
SB9	FACE 61	15	--	--	--
CABINET	SB10	--	--	24	--
SB10	FACE 7	65	--	--	--
SB10	FACE 8	55	--	--	--
SB10	FACE 10	76	--	--	--
CABINET	SB11	27	--	--	--
SB11	FACE 41	15	--	--	--
PROJECT ID 8080-02-72 SUMMARY		**943**	**0**	**246**	**595**

SIGNAL CABLE - CONTINUED

INTERSECTION: STH 35 & MONROE ST

FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0250 CABLE TRAFFIC SIGNAL 9-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF
CABINET	SB1	34	--	--	--
SB1	FACE 61	15	--	--	--
SB1	FACE 82	15	--	--	--
CABINET	SB2	--	--	21	--
SB2	FACE 11	19	--	--	--
SB2	FACE 15	19	--	--	--
CABINET	SB3	80	--	--	--
SB3	FACE 16	45	--	--	--
CABINET	SB4	108	--	--	--
SB4	FACE 62	15			
CABINET	SB5	--	--	110	--
SB5	FACE 1	21	--	--	--
SB5	FACE 9	22	--	--	--
CABINET	SB6	--	--	177	--
SB6	FACE 7	42	--	--	--
SB6	FACE 8	30	--	--	--
SB6	FACE 10	51	--	--	--
CABINET	SB7	179	--	--	--
SB7	FACE 21	15	--	--	--
CABINET	SB8	--	--	179	--
SB8	FACE 12	19	--	--	--
SB8	FACE 14	19	--	--	--
CABINET	SB9	128	--	--	--
SB9	FACE 13	50	--	--	--
CABINET	SB10	102	--	--	--
SB10	FACE 22	15	--	--	--
SB10	FACE 81	15	--	--	--
CABINET	SB11	--	--	104	--
SB11	FACE 4	22	--	--	--
SB11	FACE 6	21	--	--	--
CABINET	SB12	--	--	41	--
SB12	FACE 2	55	--	--	--
SB12	FACE 3	43	--	--	--
SB12	FACE 5	66	--	--	--
PROJECT ID 8080-05-70 SUMMARY		**1265**	**0**	**632**	**0**
PROJECT TOTALS		**2208**	**0**	**878**	**595**

* ADDITIONAL QUANTITIES WITH THE 'LOOP DETECTORS' SECTION

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL BASES, ARMS, AND POLES

INTERSECTION: STH 35 & COULEE RD / BUCKEYE ST

BASE NO.	657.0100 PED. BASE EACH	657.0255 TRANS. BASE 11 1/2-INCH BOLT CIRCLE EACH	657.0310 POLE TYPE 3 EACH	657.0425 15-FOOT STAND. EACH	657.0430 10-FOOT STAND. EACH	657.0590 20-FOOT TROMB. EACH	657.0595 25-FOOT TROMB. EACH	657.0345 POLES TYPE 9 EACH	657.0350 POLES TYPE 10 EACH	657.0352 POLES YPE 10 SPECIAL EACH	657.0360 POLES TYPE 13 EACH	657.0520 20-FT	657.0530 30-FT	675.0536 SPECIAL MONOTUBE ARMS 35-FOOT	657.0546 SPECIAL 45-FT	657.0555 55-FT
SB1	1	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---
SB2	---	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---
SB3	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---
SB4	1	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---
SB5	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1	---
SB6	1	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---
SB7	---	---	---	---	---	---	---	---	1	---	---	1	---	---	---	---
SB8	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---
SB9	1	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---
SB10	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
SB11	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---
PROJECT ID 8080-02-72 SUMMARY	**7**	**0**	**0**	**4**	**3**	**0**	**0**	**0**	**2**	**1**	**1**	**2**	**0**	**0**	**1**	**1**

INTERSECTION: STH 35 & MONROE ST

BASE NO.	657.0100 PED. BASE EACH	657.0255 TRANS. BASE 11 1/2-INCH BOLT CIRCLE EACH	657.0310 POLE TYPE 3 EACH	657.0425 15-FOOT STAND. EACH	657.0430 10-FOOT STAND. EACH	657.0590 20-FOOT TROMB. EACH	657.0595 25-FOOT TROMB. EACH	657.0345 POLES TYPE 9 EACH	657.0350 POLES TYPE 10 EACH	657.0352 POLES YPE 10 SPECIAL EACH	657.0360 POLES TYPE 13 EACH	657.0520 20-FT	657.0530 30-FT	675.0536 SPECIAL MONOTUBE ARMS 35-FOOT	657.0546 SPECIAL 45-FT	657.0555 55-FT
SB1	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---
SB2	1	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---
SB3	---	1	1	---	---	1	---	---	---	---	---	---	---	---	---	---
SB4	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---
SB5	---	1	1	---	---	---	---	---	---	---	---	---	---	---	---	---
SB6	---		---	---	---	---	---	1	---	---	---	---	1	---	---	---
SB7	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---
SB8	1	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---
SB9	---	1	1	---	---	---	1	---	---	---	---	---	---	---	---	---
SB10	1	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---
SB11	1	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---
SB12	---		---	---	---	---	---	---	---	1	---	---	---	1	---	---
PROJECT ID 8080-05-70 SUMMARY	**7**	**3**	**3**	**3**	**4**	**1**	**1**	**1**	**0**	**1**	**0**	**0**	**1**	**1**	**0**	**0**
PROJECT TOTALS	**14**	**3**	**3**	**7**	**7**	**1**	**1**	**1**	**2**	**2**	**1**	**2**	**1**	**1**	**1**	**1**

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL FACES

INTERSECTION: STH 35 & COULEE RD / BUCKEYE ST

SB NO.	FACE NO.	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH	658.0500 PEDESTRIAN PUSH BUTTON EACH
SB1	12	---	1	---	---
	14	1	---	---	---
	22	---	---	1	---
	BUTTON	---	---	---	1
SB2	13	---	4	---	---
	21	---	---	1	---
	BUTTON	---	---	---	1
SB3	31	---	---	1	---
	BUTTON	---	1	---	1
SB4	4	---	1	---	---
	6	1	---	---	---
SB5	2	1	1	---	---
	3	1	---	---	---
	5	---	1	---	---
	62	---	---	1	---
	BUTTON	---	---	---	1
SB6	11	1	---	---	---
	15	---	1	---	---
	32	---	---	1	---
	BUTTON	---	---	---	1
SB7	16	---	1	---	---
SB8	42	---	---	1	---
	BUTTON	---	---	---	1
SB9	1	1	---	---	---
	9	---	1	---	---
	61	---	---	1	---
	BUTTON	---	---	---	1
SB10	7	1	---	---	---
	8	1	---	---	---
	10	---	1	---	---
SB11	41	---	---	1	---
	BUTTON	---	---	---	1
PROJECT ID 8080-02-72 SUMMARY		**6**	**12**	**6**	**6**

TRAFFIC SIGNAL FACES - CONTINUED

INTERSECTION: STH 35 & MONROE ST

SB NO.	FACE NO.	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH	658.0500 PEDESTRIAN PUSH BUTTON EACH
SB1	61	---	---	1	
	82	---	---	1	---
	BUTTON	---	---	---	2
SB2	11	1	---	---	---
	15	1	---	---	---
SB3	16	1	---	---	---
SB4	62	---	---	1	---
	BUTTON	---	---	---	1
SB5	1	1	---	---	---
	9	---	1	---	---
SB6	7	1	---	---	---
	8	1	---	---	---
	10	---	1	---	---
SB7	21	---	---	1	---
	BUTTON	---	---	---	1
SB8	12	1	---	---	---
	14	1	---	---	---
SB9	13	1	---	---	---
SB10	22	---	---	1	---
	81	---	---	1	---
	BUTTON	---	---	---	2
SB11	4	---	1	---	---
	6	1	---	---	---
SB12	2	1	---	---	---
	3	1	---	---	---
	5	---	1	---	---
PROJECT ID 8080-05-70 SUMMARY		12	4	6	6
PROJECT TOTALS		**17**	**17**	**12**	**12**

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

3

REMOVE AND SALVAGE TRAFFIC SIGNALS

LOCATION	SPV.0105.09 LS
STH 35 & COULEE RD / BUCKEYE ST	1
PROJECT ID 8080-02-72 SUMMARY	**1**

LOCATION	SPV.0105.10 LS
STH 35 & MONROE ST	1
PROJECT ID 8080-05-70 SUMMARY	**1**
PROJECT TOTAL	**1**

TEMPORARY NON-INTRUSIVE VEHICLE DETECTION FOR INTERSECTIONS

LOCATION	SPV.0105.11 LS
STH 35 & DIVISION STREET	1

LOCATION	SPV.0105.12 LS
STH 35 & NORTH STREET/SHOP ROAD	1
PROJECT ID 8080-07-70 SUMMARY	**2**

LOCATION	SPV.0105.13 LS
STH 35 & SOUTH STREET	1
PROJECT ID 8080-05-70 SUMMARY	**1**

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS

LOCATION	661.0200.01 LS
STH 35 & COULEE RD / BUCKEYE ST	1
PROJECT ID 8080-02-72 SUMMARY	**1**
STH 35 & DIVISION ST	1
STH 35 & NORTH ST	1
PROJECT ID 8080-07-70 SUMMARY	**2**
STH 35 & SOUTH ST	1
PROJECT ID 8080-05-70 SUMMARY	**1**
PROJECT TOTAL	**4**

TRAFFIC SIGNAL CABINET & CONTROLLER FULLY ACTUATED 8 PHASE

LOCATION	SPV.0105.14 LS
STH 35 & COULEE RD/BUCKEYE ST	1
PROJECT ID 8080-02-72 SUMMARY	1
STH 35 & MONROE ST	0
PROJECT ID 8080-05-72 SUMMARY	0
PROJECT TOTAL	**1**

EMERGENCY VEHICLE PREEMPTION CABLE

FROM	TO	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE LF
STH35 @ COULEE RD		
SB2	CONTROLLER	130
SB5	CONTROLLER	252
SB7	CONTROLLER	186
SB10	CONTROLLER	79
INTERSECTION TOTAL		**647**
PROJECT ID 8080-02-72 SUMMARY		**647**
STH35 @ MONROE ST		
SB3	CONTROLLER	120
SB6	CONTROLLER	257
SB9	CONTROLLER	171
SB12	CONTROLLER	79
INTERSECTION TOTAL		**507**
PROJECT ID 8080-05-70 SUMMARY		**507**
PROJECT TOTAL		**1154**

EMERGENCY VEHICLE PREEMPTION SYSTEM, STH 35

LOCATION	SPV.0105.15 LS
STH 35 & COULEE RD/BUCKEYE ST	1
PROJECT ID 8080-02-72 SUMMARY	1
PROJECT TOTAL	**1**

INSTALL STATE FURNISHED EVP DETECTOR HEADS, STH 35 & MONROE STREET

LOCATION	SPV.0105.16 LS
STH 35 & MONROE STREET	1
PROJECT ID 8080-05-70 SUMMARY	1
PROJECT TOTAL	**1**

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

CONDUIT

INTERSECTION: STH 35 & COULEE RD/BUCKEYE ST

FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
CABINET	PB1	---	30
CABINET	PB8	---	30
PB1	PB2	---	134
PB2	PB3	---	40
PB3	PB4	---	146
PB4	PB5	---	100
PB5	PB6	---	106
PB6	PB7	---	64
PB7	PB8	---	180
PB1	SB1	15	---
PB1	SB10	---	8
PB2	SB2	6	---
PB3	SB3	10	---
PB3	SB4	5	---
PB4	SB5	---	12
PB5	SB6	20	---
PB6	SB7	7	---
PB6	SB8	12	---
PB7	SB9	7	---
PB8	SB11	11	---
PROJECT ID 8080-02-72 SUMMARY		**93**	**850**

CONDUIT - CONTINUED

INTERSECTION: STH 35 & MONROE ST

FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
CABINET	PB1	---	30
PB1	PB2	---	90
PB2	PB3	---	50
PB3	PB4	150	---
PB3	PB5	---	120
PB5	PB6	---	40
PB6	PB7	---	110
PB7	PB8	---	60
PB8	PB9	150	---
PB8	PB10	---	130
PB10	CABINET	---	45
PB1	SB2	---	5
PB2	SB3	---	10
PB3	SB4	---	5
PB3	SB5	---	10
PB5	SB6	---	6
PB6	SB7	---	10
PB6	SB8	---	6
PB7	SB9	---	5
PB8	SB10	---	10
PB10	SB11	---	10
PB10	SB12	---	20
PB10	SB1	---	12
PROJECT ID 8080-05-70 SUMMARY		**300**	**784**
PROJECT TOTALS		**393**	**1634**

ALL ITEMS ON THIS SHEET
ARE CATEGORY 0010
UNLESS OTHERWISE NOTED

LIGHTING UNITS

INTERSECTION: STH 35 & COULEE RD / BUCKEYE RD									
BASE NO.	657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	657.0615 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 8-FT EACH	657.0704 LUMINAIRE ARMS TRUSS TYPE 4-INCH CLAMP 10-FT EACH	657.0808 LUMINAIRE ARMS STEEL 8-FT EACH	657.0810 LUMINAIRE ARMS STEEL 10-FT EACH	657.0812 LUMINAIRE ARMS STEEL 12-FT EACH	657.0815 LUMINAIRE ARMS STEEL 15-FT EACH	659.1115 LIGHTING UTILITY LED A EACH	659.1125 LIGHTING UTILITY LED C EACH
SB2				1					1
SB5					1				1
SB7					1				1
SB10							1		1
PROJECT ID 8080-02-72 SUMMARY	**0**	**0**	**0**	**1**	**2**	**0**	**1**	**0**	**4**
INTERSECTION: STH 35 & MONROE ST									
SB3	1							1	
SB5	1							1	
SB9			1					1	
SB12				1		1		1	
PROJECT ID 8080-05-70 SUMMARY	**2**	**0**	**1**	**1**	**0**	**1**	**0**	**4**	**0**
PROJECT TOTALS	**2**	**0**	**1**	**2**	**2**	**1**	**1**	**4**	**4**

ELECTRICAL WIRE LIGHTING

STH 35 AT COULEE RD

BASE.	SLACK	# OF PL BXS	POLE HEIGHT	LENGTH	HAND HOLE TERMINATOR WIRE	# LIGHTS	ARM LENGTH	655.0305 CABLE TYPE UF 2-12 AWG GROUNDED LF 2-#12	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF #12
CABINET TO SB10	6	1	30	20	3	1	15	26	144
SB10 TO SB2	6	2	30	75	3	1	8	87	123
SB2 TO SB5	6	3	30	105	3	1	10	123	129
CABINET TO SB7	6	3	30	130	3	1	10	148	129
PROJECT 8080-02-72 TOTAL								384	525

BASE.	SLACK	# OF PL BXS	POLE HEIGHT	LENGTH	WIRE	# LIGHTS	ARM LENGTH	#8	#12
CABINET TO SB3	6	2	30	65	3	1	6	77	117
SB3 TO SB5	6	1	30	45	3	1	6	51	117
CABINET TO SB 12	6	1	30	35	3	1	8	41	123
SB12 TO SB9	6	3	30	105	3	1	10	123	129
PROJECT 8080-05-70 TOTAL								292	486
PROJECT TOTAL								676	1011

ALL ITEMS ON THIS SHEET ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

ELECTRICAL SYSTEM ITEMS

CATEGORY	LOCATION	CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS 650.8500 LS	REMOVING PEDESTRIAN BEACON SPV.0105.07 LS	AC POWERED RRFB SYSTEM SPV.0105.08 LS
0030	PROJECT	1	-	-
CATEGORY 0030 SUBTOTALS		1	0	0
	PROJECT ID 8080-02-60 SUMMARY	1	0	0
0020	PROJECT	1	-	-
	STH 35 (2ND STREET) & ST. CROIX STRE	-	1	1
CATEGORY 0020 SUBTOTALS		1	1	1
	PROJECT ID 8080-07-70 SUMMARY	1	1	1
	PROJECT TOTAL	2	1	1

ABANDON UTILITY ITEMS

CATEGORY	LOCATION	ABANDON EXISTING WATER SYSTEM SPV.0105.01 LS	ABANDON EXISTING SANITARY SYSTEM SPV.0105.02 LS
0010	PROJECT	-	1
CATEGORY 0010 SUBTOTALS		0	1
	PROJECT ID 8080-02-61 SUMMARY	0	1
0010	PROJECT	1	1
CATEGORY 0010 SUBTOTALS		1	1
	PROJECT ID 8080-07-72 SUMMARY	1	1
	PROJECT TOTAL	1	2

ADJUST EXISTING VALVE BOX

CATEGORY	STATION	LOCATION	SPV.0060.34 EACH
0020	232+14	26' LT	1
	232+25	26' RT	1
	232+97	26' RT	1
	242+66	45' RT	1
	242+79	47' RT	1
	18+21	52' LT	1
	18+25	32' RT	1
	19+39	26' LT	1
	232+05	20' RT	1
CATEGORY 0020 SUBTOTALS			9
		PROJECT ID 8080-02-60 SUMMARY	9
0010	208+19	36' RT	1
	208+25	36' RT	1
	208+36	42' RT	1
	210+45	41' RT	1
	210+56	38' RT	1
	211+83	37' RT	1
	211+98	42' RT	1
	212+08	38' RT	1
	212+20	43' RT	1
	212+76	42' RT	1
	212+87	44' RT	1
CATEGORY 0010 SUBTOTALS			11
		PROJECT ID 8080-02-61 SUMMARY	11
		PROJECT TOTAL	20

LIGHTING SYSTEM ITEMS

CATEGORY	FROM	TO	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH 652.0225 LF	CABLE TYPE UF 2 - 10 AWG GROUNDED 655.0320 LF
0020	PB1	PB2	44	-
	PB1	PB4	73	-
	PB2	PB3	72	-
	PB2	SERVICE	17	-
	PB3	PB4	46	-
	PB1	SB1	8	-
	PB2	SB2	4	-
	PB3	SB3	3	-
	PB4	SB4	3	-
	SB1	SB4	-	123
	SERVICE	SB2	-	51
	SB2	SB1	-	97
	SB2	SB3	-	126
	SB3	SB4	-	92
CATEGORY 0020 SUBTOTALS			270	489
		PROJECT ID 8080-07-70 SUMMARY	270	489
		PROJECT TOTAL	270	489

3

PULL BOXES STEEL

CATEGORY	STATION	LOCATION	PULL BOXES STEEL 24X42-INCH 653.0140 EACH
0020	41+62	22' RT	1
	41+63	22' LT	1
	42+39	22' LT	1
	42+35	24'RT	1
CATEGORY 0020 SUBTOTALS			4
	PROJECT ID 8080-07-70 SUMMARY		4
	PROJECT TOTAL		4

PULL BOX ITEMS

CATEGORY	NO.	PULL BOXES NON-CONDUCTIVE 24X42-INCH 653.0164 EACH	REMOVING PULL BOXES 653.0905 EACH
0030	XLPB1	-	1
	XLPB2	-	1
	XLPB3	-	1
	XLPB4	-	1
	LPB1	1	-
	LPB2	1	-
	LPB3	1	-
	LPB4	1	-
	LPB5	1	-
	LPB6	1	-
	LPB7	1	-
	LPB8	1	-
	LPB9	1	-
	LPB10	1	-
	LPB11	1	-
	LPB12	1	-
CATEGORY 0030 SUBTOTALS		12	4
PROJECT ID 8080-02-60 SUMMARY		12	4
PROJECT TOTAL		12	4

3

REMOVE, SALVAGE AND REINSTALL ITEMS

CATEGORY	STATION	LOCATION	SANITARY SEWER STEEL CASING 30-INCH SPV.0090.12 LF	SANITARY SEWER STEEL CASING 30-INCH SPECIAL SPV.0090.13 LF	REMOVE EXISTING STRUCTURE SPV.0060.23 EACH	REMOVE RETAINING WALLS SPV.0090.18 LF	SALVAGE AND REINSTALL FENCE SPV.0090.19 LF	SALVAGE AND REINSTALL SIGN SPV.0105.06 LS
0010	211+00	LT/RT	-	51	-	-	-	-
	211+00	RT	32	-	-	-	-	-
	206+18	RT	-	-	-	-	133	-
	210+08	29' RT	-	-	1	-	-	-
	210+18	23' RT	-	-	1	-	-	-
	212+33	RT	-	-	-	50	-	-
	212+91	RT	-	-	-	-	52	-
	214+24	65' RT	-	-	1	-	-	-
	215+30	RT	-	-	-	-	-	1
CATEGORY 0010 SUBTOTALS			32	51	3	50	185	1
	PROJECT ID 8080-02-61 SUMMARY		32	51	3	50	185	1
	PROJECT TOTAL		32	51	3	50	185	1

3

3

CONCRETE BASE ITEMS

CATEGORY	LIGHTING UNIT NO. OR STATION	LOCATION	REMOVING CONCRETE BASES 204.0195 EACH	CONCRETE BASE TYPE 1 654.0101 EACH	CONCRETE BASE TYPE 2 654.0102 EACH	SALVAGE AND REINSTALL LIGHT POLE SPV.0105.05 EACH
0030	216+51	84' RT	1	-	1	1
	X-2		1	-	-	-
	X-3		1	-	-	-
	X-4		1	-	-	-
	X-5		1	-	-	-
	X-6		1	-	-	-
	X-7		1	-	-	-
	X-8		1	-	-	-
	X-9		1	-	-	-
	X-10		1	-	-	-
	X-11		1	-	-	-
	X-12		1	-	-	-
	X-13		1	-	-	-
	X-14		1	-	-	-
	X-15		1	-	-	-
	X-17		1	-	-	-
	X-18		1	-	-	-
	X-19		1	-	-	-
	X-20		1	-	-	-
	X-21		1	-	-	-
	X-22		1	-	-	-
	X-23		1	-	-	-
	X-24		1	-	-	-
	X-25		1	-	-	-
	X-27		1	-	-	-
	X-28		1	-	-	-
	X-29		1	-	-	-
	X-31		1	-	-	-
	X-32		1	-	-	-
	X-33		1	-	-	-
	X-34		1	-	-	-
	X-35		1	-	-	-
CATEGORY 0030 SUBTOTALS			32	0	1	1
	PROJECT ID 8080-02-60 SUMMARY		32	0	1	1
0020	SB1		1	1	-	-
	SB2		1	1	-	-
	SB3		-	1	-	-
	SB4		-	1	-	-
CATEGORY 0020 SUBTOTALS			2	4	0	0
	PROJECT ID 8080-07-70 SUMMARY		2	4	0	0
	PROJECT TOTAL		34	4	1	1

LIGHTING ELECTRICAL WIRE AND CONDUIT ITEMS

CATEGORY	FROM	TO	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH 652.0225 LF	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH 652.0235 LF	CONDUIT SPECIAL 2-INCH 652.0605 LF	CONDUIT SPECIAL 3-INCH 652.0615 LF	ELECTRICAL WIRE LIGHTING 12 AWG 655.0610 LF	ELECTRICAL WIRE LIGHTING 8 AWG 655.0620 LF	ELECTRICAL WIRE LIGHTING 6 AWG 655.0625 LF
0030	LCC-A	LPB12	-	20	-	-	-	30	150
	LPB12	LCC-A-23	12	-	-	-	180	22	110
	LCC-A-23	LCC-A-24	167	-	-	-	180	177	885
	LCC-A-24	WISCONSIN ST	95	-	-	-	-	105	525
	WISCONSIN ST	LCC-A-25	-	-	63	-	180	73	365
	LCC-A-25	LCC-A-26	156	-	-	-	180	166	830
	LCC-A-26	LCC-A-27	174	-	-	-	180	184	920
	LCC-A-27	LCC-A-28	175	-	-	-	180	185	925
	LCC-A	LPB12	-	-	-	-	-	30	150
	LPB12	LPB1	-	-	-	72	-	82	410
	LPB1	LCC-A-6	89	-	-	-	180	99	495
	LCC-A-6	LCC-A-5	174	-	-	-	180	184	920
	LCC-A-5	LCC-A-4	135	-	-	-	180	145	725
	LCC-A-4	LCC-A-3	175	-	-	-	180	185	925
	LCC-A-3	LCC-A-2	175	-	-	-	180	185	925
	LCC-A-1	LCC-A-3	175	-	-	-	180	185	925
	LCC-A	LPB12	-	20	-	-	-	30	150
	LPB12	LPB11	-	-	-	56	-	66	330
	LPB11	LCC-A-22	82	-	-	-	180	92	460
	LCC-A-22	LCC-A-21	166	-	-	-	180	176	880
	LCC-A-21	LPB10	89	-	-	-	-	99	495
	LPB10	LPB9	-	-	-	63	-	73	365
	LPB9	LCC-A-20	8	-	-	-	180	18	90
	LCC-A-20	LCC-A-19	152	-	-	-	180	162	810
	LCC-A-19	LCC-A-18	152	-	-	-	180	162	810
	LCC-A-18	LPB8	19	-	-	-	-	29	145
	LPB8	LPB7	-	-	-	70	-	80	400
	LPB7	LCC-A-29	32	-	-	-	-	42	210
	LPB7	LCC-A-17	96	-	-	-	180	106	530
	LCC-A-17	LCC-A-16	155	-	-	-	180	165	825
	LCC-A-16	VINE ST	83	-	-	-	-	93	465
	VINE ST	LCC-A-15	-	-	71	-	180	81	405
	LCC-A	LPB12	-	-	-	-	-	30	150
	LPB12	LPB1	-	-	-	-	-	82	410
	LPB1	LPB2	-	-	-	47	-	57	285
	LPB2	LCC-A-7	13	-	-	-	180	23	115
	LCC-A-7	LCC-A-8	166	-	-	-	180	176	880
	LCC-A-8	LCC-A-9	166	-	-	-	180	176	880
	LCC-A-9	LPB3	7	-	-	-	-	17	85
	LPB3	LPB4	-	-	-	62	-	72	360
	LPB4	LCC-A-10	84	-	-	-	180	94	470
	LCC-A-10	LCC-A-11	152	-	-	-	180	162	810
	LCC-A-11	LPB5	95	-	-	-	-	105	525
	LPB5	LPB6	-	-	-	68	-	78	390
	LPB6	LCC-A-12	20	-	-	-	180	30	150
	LCC-A-12	LCC-A-13	155	-	-	-	180	165	825
	LCC-A-13	LCC-A-14	155	-	-	-	180	165	825
CATEGORY 0030 SUBTOTALS			3749	40	134	438	5040	4943	24715
	PROJECT ID 8080-02-60 SUMMARY		3749	40	134	438	5040	4943	24715
	PROJECT TOTAL		3749	40	134	438	5040	4943	24715

LIGHTING UNIT ITEMS

CATEGORY	LIGHTING UNIT NO.	CONCRETE CONTROL CABINET BASE TYPE SPECIAL SPV.0060.26 EACH	LIGHTING CONTROL CABINET TYPE SPECIAL SPV.0060.27 EACH	SALVAGE LIGHTING UNIT SPV 0060.28 EACH	SALVAGE LUMINAIRE SPV 0060.29 EACH	CONCRETE BASE TYPE SPECIAL SPV 0060.25 EACH	LIGHTING UNIT TYPE SPECIAL SPV 0060.30 EACH	LUMINAIRE TYPE SPECIAL (NO UNIT) SPV 0060.31 EACH	INSTALL SALVAGED LIGHTING UNIT WITH NEW LUMINAIRE SPV 0060.33 EACH	INSTALL SALVAGED LIGHTING UNIT SPV 0060.32 EACH
0030	X-1	-	-	-	1	-	-	-	-	-
	X-2	-	-	1	-	-	-	-	-	-
	X-3	-	-	1	-	-	-	-	-	-
	X-4	-	-	1	-	-	-	-	-	-
	X-5	-	-	1	-	-	-	-	-	-
	X-6	-	-	1	-	-	-	-	-	-
	X-7	-	-	1	-	-	-	-	-	-
	X-8	-	-	1	-	-	-	-	-	-
	X-9	-	-	1	-	-	-	-	-	-
	X-10	-	-	1	-	-	-	-	-	-
	X-11	-	-	1	-	-	-	-	-	-
	X-12	-	-	1	-	-	-	-	-	-
	X-13	-	-	1	-	-	-	-	-	-
	X-14	-	-	1	-	-	-	-	-	-
	X-15	-	-	1	-	-	-	-	-	-
	X-16	-	-	-	1	-	-	-	-	-
	X-17	-	-	1	-	-	-	-	-	-
	X-18	-	-	1	-	-	-	-	-	-
	X-19	-	-	1	-	-	-	-	-	-
	X-20	-	-	1	-	-	-	-	-	-
	X-21	-	-	1	-	-	-	-	-	-
	X-22	-	-	1	-	-	-	-	-	-
	X-23	-	-	1	-	-	-	-	-	-
	X-24	-	-	1	-	-	-	-	-	-
	X-25	-	-	1	-	-	-	-	-	-
	X-26	-	-	-	1	-	-	-	-	-
	X-27	-	-	1	-	-	-	-	-	-
	X-28	-	-	1	-	-	-	-	-	-
	X-29	-	-	1	-	-	-	-	-	-
	X-30	-	-	-	1	-	-	-	-	-
	X-31	-	-	1	-	-	-	-	-	-
	X-32	-	-	1	-	-	-	-	-	-
	X-33	-	-	1	-	-	-	-	-	-
	X-34	-	-	1	-	-	-	-	-	-
	X-35	-	-	1	-	-	-	-	-	-
	LCC-A	1	1							
	LCC-A-1	-	-	-	-	-	-	1	-	-
	LCC-A-2	-	-	-	-	1	1	-	-	-
	LCC-A-3	-	-	-	-	1	1	-	-	-
	LCC-A-4	-	-	-	-	1	1	-	-	-
	LCC-A-5	-	-	-	-	1	1	-	-	-
	LCC-A-6	-	-	-	-	1	1	-	-	-
	LCC-A-7	-	-	-	-	1	1	-	-	-
	LCC-A-8	-	-	-	-	1	1	-	-	-
	LCC-A-9	-	-	-	-	-	-	1	-	-
	LCC-A-10	-	-	-	-	1	1	-	-	-
	LCC-A-11	-	-	-	-	1	1	-	-	-
	LCC-A-12	-	-	-	-	1	1	-	-	-
	LCC-A-13	-	-	-	-	1	1	-	-	-
	LCC-A-14	-	-	-	-	-	-	1	-	-
	LCC-A-15	-	-	-	-	1	-	-	1	-
CATEGORY 0030 SUBTOTALS		1	1	31	4	12	11	3	1	0

3

LIGHTING UNIT ITEMS

CATEGORY	LIGHTING UNIT NO.	CONCRETE CONTROL CABINET BASE TYPE SPECIAL SPV.0060.26 EACH	LIGHTING CONTROL CABINET TYPE SPECIAL SPV.0060.27 EACH	SALVAGE LIGHTING UNIT SPV 0060.28 EACH	SALVAGE LUMINAIRE SPV 0060.29 EACH	CONCRETE BASE TYPE SPECIAL SPV 0060.25 EACH	LIGHTING UNIT TYPE SPECIAL SPV 0060.30 EACH	LUMINAIRE UNIT TYPE SPECIAL SPV 0060.31 EACH	INSTALL SALVAGED LIGHTING UNIT WITH NEW LUMINAIRE SPV 0060.33 EACH	INSTALL SALVAGED LIGHTING UNIT SPV 0060.32 EACH
0030	LCC-A-16	-	-	-	-	1	1	-	-	-
	LCC-A-17	-	-	-	-	1	1	-	-	-
	LCC-A-18	-	-	-	-	1	1	-	-	-
	LCC-A-19	-	-	-	-	1	1	-	-	-
	LCC-A-20	-	-	-	-	-	-	1	-	-
	LCC-A-21	-	-	-	-	1	1	-	-	-
	LCC-A-22	-	-	-	-	1	1	-	-	-
	LCC-A-23	-	-	-	-	1	1	-	-	-
	LCC-A-24	-	-	-	-	1	1	-	-	-
	LCC-A-25	-	-	-	-	1	1	-	-	-
	LCC-A-26	-	-	-	-	1	1	-	-	-
	LCC-A-27	-	-	-	-	1	1	-	-	-
	LCC-A-28	-	-	-	-	1	1	-	-	-
	LCC-A-29	-	-	-	-	1	-	-	-	1
CATEGORY 0030 SUBTOTALS		0	0	0	0	13	12	1	0	1
CATEGORY 0030 TOTALS		1	1	31	4	25	23	4	1	1
PROJECT ID 8080-02-60 SUMMARY		1	1	31	4	25	23	4	1	1
PROJECT TOTAL		1	1	31	4	25	23	4	1	1

3

SANITARY SEWER STRUCTURE ITEMS

CATEGORY	STRUCTURE NUMBER	REMOVE EXISTING STRUCTURE SPV.0060.23 EACH	ADJUST EXISTING CASTING SPV.0060.24 EACH	SANITARY MANHOLE 4-FT DIAMETER SPV.0060.13 EACH	SANITARY MANHOLE 5-FT DIAMETER SPV.0060.14 EACH	INSIDE DROP SPV.0060.35 EACH	EXCESS MANHOLE DEPTH SPV.0020.01 VF
0010	72EX	-	1	-	-	-	-
	74EX	-	1	-	-	-	-
	100EX	-	1	-	-	-	-
	1	-	-	1	-	-	7.78
	2	-	-	-	1	-	7.60
	3	-	-	1	-	-	7.69
	4	-	-	1	-	-	10.04
	5	-	-	-	1	-	11.3
	6	-	-	-	1	-	10.98
	7	-	-	1	-	-	10.58
	8	-	-	1	-	-	10.22
	9	-	-	1	-	-	10.17
CATEGORY 0010 SUBTOTALS		0	3	6	3	0	86
PROJECT ID 8080-02-61 SUMMARY		0	3	6	3	0	86
0010	10	-	-	1	-	-	0.33
	1775EX	1	-	-	-	-	-
	11	-	-	1	-	-	4.66
	1723EX	1	-	-	-	-	-
	12	-	-	1	-	-	3.36
	13	-	-	1	-	-	2.36
	1729EX	1	-	-	-	-	-
	14	-	-	1	-	-	2.17
	15	-	-	1	-	-	2.25
	1688EX	1	-	-	-	-	-
	16	-	-	1	-	-	1.51
	1684EX	1	-	-	-	-	-
	17	-	-	1	-	-	0.91
	18	-	-	1	-	-	0.44
	1673EX	1	-	-	-	-	-
	19	-	-	1	-	-	-
	20	-	-	1	-	-	-
	1619EX	1	-	-	-	-	-
	21	-	-	1	-	-	0.34
	22	-	-	1	-	-	0.47
	23	-	-	-	1	1	4.66
	24	-	-	-	1	1	4.19
	1623EX	1	-	-	-	-	-
CATEGORY 0010 SUBTOTAL		8	0	13	2	2	28
PROJECT ID 8080-07-72 SUMMARY		8	0	13	2	2	28
PROJECT TOTAL		8	3	19	5	2	114

3

SANITARY SEWER PIPE ITEMS

CATEGORY	FROM STRUCT.	TO STRUCT.	CONNECT TO EXISTING SANITARY MANHOLE SPV.0060.21 EACH	CONNECT TO EXISTING SANITARY SEWER SPV.0060.22 EACH	SANITARY SEWER PVC 8-INCH SPV.0090.07 LF	SANITARY SEWER PVC 10-INCH SPV.0090.08 LF	SANITARY SEWER PVC 15-INCH SPV.0090.09 LF	SANITARY SEWER PVC 18-INCH SPV.0090.10 LF	SANITARY SEWER PVC 24-INCH SPV.0090.11 LF
0010	EXIST. PIPE	1	-	1	7	-	-	-	-
	1	2	-	-	-	-	-	-	44
	EXIST. MANHOLE	2	1	-	-	-	16	-	-
	2	3	-	-	-	-	-	-	26
	3	4	-	-	-	-	-	-	209
	220EX	4	1	-	41	-	-	-	-
	4	5	-	-	-	-	-	-	167
	72EX	5	1	-	-	-	-	-	21
	5	6	-	-	-	-	-	-	38
	EXIST. PIPE	6	-	1	-	-	-	7	-
	66EX	9	1	-	-	-	340	-	-
	9	8	-	-	-	-	89	-	-
	8	7	-	-	-	-	69	-	-
	7	6	-	-	-	-	231	-	-
CATEGORY 0010 SUBTOTAL			4	2	48	0	745	7	505
	PROJECT ID 8080-02-61 SUMMARY		4	2	48	0	745	7	505
0010	SOUTH PIPE	10	-	1	-	-	-	-	-
	10	11	-	-	343	-	-	-	-
	11	23	-	-	43	-	-	-	-
	11	12	-	-	200	-	-	-	-
	12	13	-	-	200	-	-	-	-
	13	14	-	-	200	-	-	-	-
	14	15	-	-	200	-	-	-	-
	15	16	-	-	-	271	-	-	-
	16	17	-	-	-	272	-	-	-
	17	18	-	-	-	271	-	-	-
	EAST PIPE	18	-	1	-	43	-	-	-
	18	WEST PIPE	-	1	-	43	-	-	-
	1622EX	22	1	-	34	-	-	-	-
	1624EX	22	1	-	42	-	-	-	-
	22	21	-	-	227	-	-	-	-
	21	20	-	-	227	-	-	-	-
	20	24	-	-	43	-	-	-	-
	20	19	-	-	232	-	-	-	-
	19	18	-	-	232	-	-	-	-
	23	EAST PIPE	-	1	5	-	-	-	-
	24	EAST PIPE	-	1	5	-	-	-	-
CATEGORY 0010 SUBTOTAL			2	5	2233	900	0	0	0
	PROJECT ID 8080-07-72 SUMMARY		2	5	2233	900	0	0	0
	PROJECT TOTAL		6	7	2281	900	745	7	505

SANITARY SERVICE ITEMS

CATEGORY	NAME	STATION	SANITARY SERVICE WYE 24X6-INCH SPV.0060.19 EACH	CONNECT TO EXISTING SANITARY SERVICE SPV.0060.20 EACH	SANITARY SERVICE PVC 6-INCH SPV.0090.15 LF	SANITARY SERVICE WYE 8X4-INCH SPV.0060.15 EACH	SANITARY SERVICE WYE 8X6-INCH SPV.0060.16 EACH	SANITARY SERVICE WYE 10X4-INCH SPV.0060.17 EACH	SANITARY SERVICE WYE 10X6-INCH SPV.0060.18 EACH	CONNECT TO EXISTING SANITARY SEWER SERVICE SPV.0060.20 EACH	SANITARY SERVICE PVC 4-INCH SPV.0090.14 LF	SANITARY SERVICE PVC 6-INCH SPV.0090.15 LF
0010		208+71	1	1	10	-	-	-	-	-	-	-
CATEGORY 0010 SUBTOTALS			1	1	10	0	0	0	0	0	0	0
	PROJECT ID 8080-02-61 SUMMARY		1	1	10	0	0	0	0	0	0	0
0010	S1	22+54	-	-	-	1	-	-	-	1	33	-
	S2	22+75	-	-	-	1	-	-	-	1	33	-
	S3	22+91	-	-	-	1	-	-	-	1	22	-
	S4	23+03	-	-	-	-	1	-	-	1	-	22
	S5	24+05	-	-	-	-	1	-	-	1	-	22
	S6	24+15	-	-	-	1	-	-	-	1	35	-
	S7	24+44	-	-	-	1	-	-	-	1	35	-
	S8	24+87	-	-	-	1	-	-	-	1	22	-
	S9	24+88	-	-	-	1	-	-	-	1	35	-
	S10	25+10	-	-	-	1	-	-	-	1	22	-
	S11	25+15	-	-	-	1	-	-	-	1	35	-
	S12	25+37	-	-	-	-	1	-	-	1	-	35
	S13	26+74	-	-	-	-	1	-	-	1	-	36
	S14	26+80	-	-	-	-	1	-	-	1	-	34
	S20	27+78	-	-	-	1	-	-	-	1	34	-
	S21	27+79	-	-	-	1	-	-	-	1	23	-
	S22	27+83	-	-	-	1	-	-	-	1	34	-
	S23	28+61	-	-	-	1	-	-	-	1	34	-
	S24	28+81	-	-	-	1	-	-	-	1	36	-
	S25	28+96	-	-	-	1	-	-	-	1	36	-
	S26	29+00	-	-	-	1	-	-	-	1	34	-
	S27	29+18	-	-	-	1	-	-	-	1	34	-
	S28	30+69	-	-	-	1	-	-	-	1	34	-
	S29	30+76	-	-	-	1	-	-	-	1	36	-
	S30	30+94	-	-	-	1	-	-	-	1	36	-
	S31	31+31	-	-	-	1	-	-	-	1	34	-
	S32	31+45	-	-	-	1	-	-	-	1	25	-
	S33	31+79	-	-	-	1	-	-	-	1	34	-
	S34	32+60	-	-	-	1	-	-	-	1	34	-
	S35	32+66	-	-	-	1	-	-	-	1	36	-
	S36	33+11	-	-	-	1	-	-	-	1	36	-
	S37	33+25	-	-	-	1	-	-	-	1	34	-
	S40	33+62	-	-	-	1	-	-	-	-	35	-
	S41	33+77	-	-	-	1	-	-	-	1	35	-
	S42	34+46	-	-	-	-	-	1	-	1	35	-
	S43	34+48	-	-	-	-	-	1	-	1	35	-
	S44	34+65	-	-	-	-	-	1	-	1	35	-
	S45	34+88	-	-	-	-	-	1	-	1	35	-
	S46	35+35	-	-	-	-	-	-	1	1	-	35
	S47	35+91	-	-	-	-	-	-	1	1	-	35
	S48	36+10	-	-	-	-	-	1	-	1	35	-
	S49	36+84	-	-	-	-	-	1	-	1	35	-
	S50	37+05	-	-	-	-	-	-	1	1	-	35
	S51	37+83	-	-	-	-	-	1	-	1	35	-
	S52	37+84	-	-	-	-	-	1	-	1	35	-
	S53	37+91	-	-	-	-	-	1	-	1	35	-
	S54	38+58	-	-	-	-	-	1	-	1	35	-
	S55	38+58	-	-	-	-	-	1	-	1	35	-
	S56	39+05	-	-	-	-	-	1	-	1	25	-
	S57	39+13	-	-	-	-	-	1	-	1	33	-
CATEGORY 0010 SUBTOTALS			0	0	0	29	5	13	3	49	1389	254

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SANITARY SERVICE ITEMS

CATEGORY	NAME	STATION	SANITARY SERVICE WYE 24X6-INCH SPV.0060.19 EACH	CONNECT TO EXISTING SANITARY SERVICE SPV.0060.20 EACH	SANITARY SERVICE PVC 6-INCH SPV.0090.15 LF	SANITARY SERVICE WYE 8X4-INCH SPV.0060.15 EACH	SANITARY SERVICE WYE 8X6-INCH SPV.0060.16 EACH	SANITARY SERVICE WYE 10X4-INCH SPV.0060.17 EACH	SANITARY SERVICE WYE 10X6-INCH SPV.0060.18 EACH	CONNECT TO EXISTING SANITARY SEWER SERVICE SPV.0060.20 EACH	SANITARY SERVICE PVC 4-INCH SPV.0090.14 LF	SANITARY SERVICE PVC 6-INCH SPV.0090.15 LF
0010	S58	39+19	-	-	-	-	-	1	-	1	35	-
	S59	39+43	-	-	-	-	-	1	-	1	35	-
	S60	39+68	-	-	-	-	-	1	-	1	35	-
	S61	39+73	-	-	-	-	-	1	-	1	35	-
	S62	40+04	-	-	-	-	-	1	-	1	35	-
	S63	40+25	-	-	-	-	-	1	-	1	35	-
	S64	40+36	-	-	-	-	-	1	-	1	35	-
	S65	40+54	-	-	-	-	-	1	-	1	35	-
	S66	40+83	-	-	-	-	-	1	-	1	35	-
	S67	40+86	-	-	-	-	-	1	-	1	35	-
	S68	41+19	-	-	-	-	-	1	-	1	35	-
	S69	41+35	-	-	-	-	-	1	-	1	35	-
	S70	42+51	-	-	-	1	-	-	-	1	35	-
	S71	43+26	-	-	-	1	-	-	-	1	35	-
	S72	43+28	-	-	-	1	-	-	-	1	35	-
	S73	43+79	-	-	-	1	-	-	-	1	35	-
	S74	43+81	-	-	-	1	-	-	-	1	35	-
	S75	44+38	-	-	-	1	-	-	-	1	35	-
	S76	44+40	-	-	-	1	-	-	-	1	35	-
	S77	44+85	-	-	-	1	-	-	-	1	35	-
	S78	44+87	-	-	-	1	-	-	-	1	35	-
	S79	44+89	-	-	-	1	-	-	-	1	35	-
	S80	45+67	-	-	-	1	-	-	-	1	35	-
	S81	46+14	-	-	-	1	-	-	-	1	35	-
	S82	47+29	-	-	-	1	-	-	-	1	25	-
	S83	47+43	-	-	-	1	-	-	-	1	35	-
	S84	47+46	-	-	-	1	-	-	-	1	35	-
	S85	47+94	-	-	-	1	-	-	-	1	35	-
	S86	47+96	-	-	-	1	-	-	-	1	35	-
	S87	48+05	-	-	-	1	-	-	-	1	25	-
	S88	48+48	-	-	-	1	-	-	-	1	35	-
	S89	48+71	-	-	-	1	-	-	-	1	25	-
	S90	48+93	-	-	-	1	-	-	-	1	35	-
	S91	49+41	-	-	-	1	-	-	-	1	35	-
	S92	49+69	-	-	-	1	-	-	-	1	35	-
	S93	49+82	-	-	-	1	-	-	-	1	35	-
	S94	49+93	-	-	-	1	-	-	-	1	35	-
	S95	50+26	-	-	-	1	-	-	-	1	35	-
	S96	50+29	-	-	-	1	-	-	-	1	35	-
	S99	202+17	-	-	-	-	1	-	-	1	-	34
CATEGORY 0010 SUBTOTALS			0	0	0	27	1	12	0	40	1335	34
PROJECT ID 8080-07-72 SUMMARY			0	0	0	56	6	25	3	89	2724	288
PROJECT TOTAL			1	1	10	56	6	25	3	89	2724	288

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WATER MAIN ITEMS

CATEGORY	STATION - STATION	LOCATION	GATE VALVE & BOX 4-INCH SPV.0060.01 EACH	GATE VALVE & BOX 6-INCH SPV.0060.02 EACH	GATE VALVE & BOX 8-INCH SPV.0060.03 EACH	GATE VALVE & BOX 12-INCH SPV.0060.04 EACH	REMOVE HYDRANT SPV.0060.05 EACH	HYDRANT SPV.0060.06 EACH	CONNECT TO EXISTING WATER MAIN SPV.0060.07 EACH	WATER MAIN FITTINGS SPV.0085.01 LB	WATER MAIN DUCTILE IRON 4-INCH SPV.0090.01 LF	WATER MAIN DUCTILE IRON 6-INCH SPV.0090.02 LF	WATER MAIN DUCTILE IRON 8-INCH SPV.0090.03 LF	WATER MAIN DUCTILE IRON 12-INCH SPV.0090.04 LF	INSULATION SPV.0165.01 SF
0010	22+11 - 25+77	LT & RT	-	2	1	1	-	1	3	599	-	45	23	378	32
	25+78 - 29+76	LT & RT	-	1	2	1	1	-	1	201	-	23	89	399	64
	29+77 - 33+96	LT & RT	-	1	2	1	1	1	-	311	-	13	86	419	64
	33+97 - 39+29	LT & RT	-	3	2	1	1	2	1	493	-	49	111	533	32
	39+30 - 41+90	LT & RT	-	1	-	1	1	1	-	110	-	13	-	260	-
	41+91 - 42+39	LT & RT	-	-	2	-	-	-	2	333	-	-	108	49	136
	42+40 - 46+74	LT & RT	-	-	-	1	1	-	-	-	-	-	-	434	-
	46+75 - 51+50	LT & RT	-	3	3	2	1	3	1	848	-	38	192	496	216
	62+00 - 62+50	LT & RT	1	1	-	2	-	2	2	894	10	24	-	145	96
CATEGORY 0010 SUBTOTAL			1	12	12	10	6	10	10	3789	10	205	609	3113	640
PROJECT ID 8080-07-72			1	12	12	10	6	10	10	3789	10	205	609	3113	640
PROJECT TOTAL			1	12	12	10	6	10	10	3789	10	205	609	3113	640

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WATER SERVICE ITEMS

CATEGORY	NAME	STATION	CURB STOP & BOX 1-INCH SPV.0060.08 EACH	CURB STOP & BOX 1 1/2-INCH SPV.0060.09 EACH	CORPORATION 1-INCH SPV.0060.10 EACH	CORPORATION 1 1/2-INCH SPV.0060.11 EACH	CONNECT TO EXISTING WATER SERVICE SPV.0060.12 EACH	WATER SERVICE COPPER 1-INCH SPV.0090.05 LF	WATER SERVICE COPPER 1 1/2-INCH SPV.0090.06 LF
0010	W1	22+38	1	-	1	-	1	36	-
	W2	22+40	1	-	1	-	1	28	-
	W3	22+52	1	-	1	-	1	43	-
	W4	22+88	1	-	1	-	1	32	-
	W5	23+14	-	1	-	1	1	-	32
	W6	24+03	1	-	1	-	1	32	-
	W7	24+25	1	-	1	-	1	24	-
	W8	24+52	1	-	1	-	1	24	-
	W9	24+83	1	-	1	-	1	32	-
	W10	24+84	1	-	1	-	1	32	-
	W11	24+96	1	-	1	-	1	24	-
	W12	25+14	1	-	1	-	1	32	-
	W13	25+53	1	-	1	-	1	24	-
	W14	26+73	-	1	-	1	1	-	45
	W15	26+79	-	1	-	1	1	-	23
	W20	27+75	1	-	1	-	1	33	-
	W21	27+81	1	-	1	-	1	23	-
	W22	28+58	1	-	1	-	1	23	-
	W23	28+84	1	-	1	-	1	45	-
	W24	28+93	1	-	1	-	1	23	-
	W25	29+39	1	-	1	-	1	45	-
	W26	30+11	1	-	1	-	1	23	-
	W27	30+78	1	-	1	-	1	23	-
	W28	30+96	1	-	1	-	1	45	-
	W29	31+30	1	-	1	-	1	23	-
	W30	31+48	1	-	1	-	1	35	-
	W31	31+77	1	-	1	-	1	23	-
	W32	32+63	1	-	1	-	1	23	-
	W33	32+63	1	-	1	-	1	45	-
	W34	33+15	1	-	1	-	1	45	-
	W35	33+22	1	-	1	-	1	23	-
	W40	33+67	1	-	1	-	1	44	-
	W41	33+90	1	-	1	-	1	14	-
	W42	34+43	1	-	1	-	1	24	-
	W43	34+88	1	-	1	-	1	44	-
	W44	35+87	-	1	-	1	1	-	24
	W45	36+15	1	-	1	-	1	44	-
	W46	36+87	1	-	1	-	1	44	-
	W47	37+80	1	-	1	-	1	24	-
	W48	37+86	1	-	1	-	1	44	-
	W49	37+89	1	-	1	-	1	44	-
	W50	38+55	1	-	1	-	1	24	-
	W51	38+84	1	-	1	-	1	35	-
	W52	39+01	1	-	1	-	1	35	-
	W53	39+13	1	-	1	-	1	24	-
	W54	39+49	1	-	1	-	1	44	-
CATEGORY 0010 SUBTOTAL			42	4	42	4	46	1351	124

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WATER SERVICE ITEMS

CATEGORY	NAME	STATION	CURB STOP & BOX 1-INCH SPV.0060.08 EACH	CURB STOP & BOX 1 1/2-INCH SPV.0060.09 EACH	CORPORATION 1-INCH SPV.0060.10 EACH	CORPORATION 1 1/2-INCH SPV.0060.11 EACH	CONNECT TO EXISTING WATER SERVICE SPV.0060.12 EACH	WATER SERVICE COPPER 1-INCH SPV.0090.05 LF	WATER SERVICE COPPER 1 1/2-INCH SPV.0090.06 LF
0010	W60	39+52	1	-	1	-	1	44	-
	W61	39+67	1	-	1	-	1	24	-
	W62	40+15	1	-	1	-	1	24	-
	W63	40+32	1	-	1	-	1	24	-
	W64	40+52	1	-	1	-	1	44	-
	W65	40+53	1	-	1	-	1	44	-
	W66	40+64	1	-	1	-	1	24	-
	W67	41+37	1	-	1	-	1	24	-
	W68	42+52	1	-	1	-	1	44	-
	W69	43+53	1	-	1	-	1	24	-
	W70	43+55	1	-	1	-	1	44	-
	W71	43+84	1	-	1	-	1	24	-
	W72	43+93	1	-	1	-	1	44	-
	W73	44+41	1	-	1	-	1	24	-
	W74	44+47	1	-	1	-	1	35	-
	W75	44+88	1	-	1	-	1	44	-
	W76	45+35	1	-	1	-	1	24	-
	W80	45+89	1	-	1	-	1	35	-
	W81	46+13	1	-	1	-	1	24	-
	W82	46+65	1	-	1	-	1	30	-
	W83	46+84	1	-	1	-	1	45	-
	W84	47+31	1	-	1	-	1	35	-
	W85	47+46	1	-	1	-	1	24	-
	W86	47+73	1	-	1	-	1	35	-
	W87	47+93	1	-	1	-	1	24	-
	W88	47+99	1	-	1	-	1	24	-
	W89	48+53	1	-	1	-	1	24	-
	W90	48+75	1	-	1	-	1	35	-
	W91	48+97	1	-	1	-	1	24	-
	W92	49+42	1	-	1	-	1	44	-
	W93	49+71	1	-	1	-	1	24	-
	W94	49+96	1	-	1	-	1	44	-
	W95	50+36	1	-	1	-	1	24	-
	W96	50+50	1	-	1	-	1	44	-
	W99	202+15	-	1	-	1	1	-	43
CATEGORY 0010 SUBTOTAL			34	1	34	1	35	1098	43
CATEGORY 0010 TOTAL			76	5	76	5	81	2449	167
PROJECT ID 8080-07-72 SUMM			76	5	76	5	81	2449	167
PROJECT TOTAL			76	5	76	5	81	2449	167

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ABANDON UTILITIES

LOCATION	ABANDON EXISTING SANITARY SYSTEM SPV.0105.02 LS	ABANDON EXISTING WATER SYSTEM SPV.0105.01 LS
PROJECT	1	1
ITEM TOTALS	1	1

ADJUST STRUCTURES

LOCATION	ADJUST EXISTING CASTING SPV.0060.24 EA	ADJUST EXISTING VALVE BOX SPV.0060.34 EA
110+50 - 111+50	2	3
ITEM TOTALS	2	3

SANITARY SEWER PIPES

FROM STRUCT.	TO STRUCT.	CONNECT TO EXISTING SANITARY MANHOLE SPV.0060.21 EA	CONNECT TO EXISTING SANITARY SEWER SPV.0060.22 EA	SANITARY SEWER PVC 8-INCH SPV.0090.07 SF
EXIST SAN MH	SAN MH 1	1	-	119
SAN MH 1	SAN MH 2	-	-	59
SAN MH 2	SAN MH 3	-	-	189
EXIST PIPE	SAN MH 4	-	1	80
SAN MH 4	SAN MH 5	-	-	327
SAN MH 5	SAN MH 6	-	-	327
SAN MH 6	SAN MH 7	-	-	242
SAN MH 7	SAN MH 8	-	2	173
SAN MH 8	SAN MH 9	-	-	227
SAN MH 9	SAN MH 10	-	-	250
SAN MH 10	STUB	-	-	44
SAN MH 10	SAN MH 11	-	-	204
SAN MH 11	SAN MH 12	-	-	146
SAN MH 12	SAN MH 13	-	-	158
SAN MH 13	SAN MH 14	-	-	273
SAN MH 14	EXIST PIPE	-	1	78
SAN MH 14	SAN MH 15	-	-	400
SAN MH 15	SAN MH 16	-	-	400
SAN MH 16	SAN MH 17	-	-	269
SAN MH 17	SAN MH 18	-	-	274
ITEM TOTALS		1	4	4239

REMOVE HYDRANT

STATION	LOCATION	SPV.0060.05 EA
73+75	30' RT	1
83+89	40' RT	1
89+32	21' RT	1
99+78	20' RT	1
110+53	26' RT	1
ITEM TOTALS		5

SANITARY SEWER STRUCTURES

FROM STRUCT.	SANITARY MANHOLE 4-FT DIAMETER SPV.0060.13 EA	EXCESS MANHOLE DEPTH SPV.0200.01 VF
SAN MH 1	1	6.95
SAN MH 2	1	3.46
SAN MH 3	1	3.81
SAN MH 4	1	0.88
SAN MH 5	1	5.62
SAN MH 6	1	3.65
SAN MH 7	1	0.71
SAN MH 8	1	1.28
SAN MH 9	1	2.40
SAN MH 10	1	0.96
SAN MH 11	1	0.02
SAN MH 12	1	1.16
SAN MH 13	1	1.76
SAN MH 14	1	1.88
SAN MH 15	1	1.97
SAN MH 16	1	3.71
SAN MH 17	1	2.64
SAN MH 18	1	5.77
ITEM TOTALS	18	49

REMOVE EXISTING STRUCTURE

STATION	LOCATION	SPV.0060.23 EA
70+12	44' LT	1
73+53	3' RT	1
76+53	3' RT	1
80+07	0' RT	1
82+26	0' RT	1
84+23	0' RT	1
87+96	2' RT	1
91+97	2' RT	1
94+72	0' RT	1
96+81	2' RT	1
97+75	1' RT	1
100+74	3' RT	1
104+72	3' RT	1
107+75	3' RT	1
107+77	27' RT	1
110+19	28' RT	1
110+71	4' RT	1
ITEM TOTALS		17

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PROJECT NO: 8080-05-72	HWY: STH 35	COUNTY: ST. CROIX	TYPICAL SECTIONS	SHEET	E

WATER MAIN

STATION-STATION	LOCATION	GATE VALVE & BOX 6-INCH SPV.0060.02 EA	GATE VALVE & BOX 8-INCH SPV.0060.03 EA	GATE VALVE & BOX 12-INCH SPV.0060.04 EA	HYDRANT SPV.0060.06 EA	CONNECT TO EXISTING WATER MAIN SPV.0060.07 EA	WATER MAIN SPV.0085.01 EA	WATER MAIN DUCTILE IRON 6-INCH SPV.0090.02 LF	WATER MAIN DUCTILE IRON 8-INCH SPV.0090.03 LF	WATER MAIN DUCTILE IRON 12-INCH SPV.0090.04 LF	INSULATION SPV.0165.01 SF
69+00 - 73+90	LT & RT	2	4	-	2	2	411	25	592	-	128
73+90 - 79+80	LT	1	1	-	1	-	75	20	590	-	256
79+80 - 85+70	LT & RT	3	2	2	3	3	501	65	590	50	256
85+70 - 91+60	LT & RT	2	1	-	1	-	150	75	590	-	256
91+60 - 97+50	LT & RT	2	3	-	2	1	277	43	681	-	256
97+50 - 103+40	LT	2	2	-	2	-	150	41	590	-	256
103+40 - 109+30	LT & RT	2	1	-	1	1	194	63	590	-	224
109+30 - 111+00	LT	1	1	-	1	1	162	21	160	-	-
112+25 - 114+50	RT	-	-	-	-	-	-	-	-	-	900
115+75 - 118+50	RT	-	-	-	-	-	-	-	-	-	1060
ITEM TOTALS		15	15	2	13	8	1920	353	4383	50	3592

SANITARY SERVICES

STATION	LOCATION	SANITARY SERVICE WYE 8X4-INCH SPV.0060.15 EA	CONNECT TO EXISTING SANITARY SEWER SERVICE SPV.0060.20 EA	SANITARY SERVICE PVC 4-INCH SPV.0090.14 LF
69+93	RT	1	1	22
71+53	RT	1	1	44
74+35	RT	1	1	29
74+44	LT	1	1	31
75+30	LT	1	1	21
75+93	RT	1	1	29
76+02	LT	1	1	31
76+40	RT	1	1	29
76+50	LT	1	1	31
77+43	LT	1	1	31
77+99	RT	1	1	29
78+19	LT	1	1	31
78+24	RT	1	1	29
78+60	RT	1	1	29
78+82	LT	1	1	31
79+18	LT	1	1	31
79+52	LT	1	1	31
79+75	RT	1	1	29
80+43	RT	1	1	30
80+81	LT	1	1	30
81+48	LT	1	1	30
82+74	RT	1	1	30
82+82	LT	1	1	30
83+60	RT	1	1	30
85+26	LT	1	1	30
86+26	RT	1	1	33
86+28	LT	1	1	33
87+11	RT	1	1	33
87+14	LT	1	1	33
87+69	RT	1	1	33
88+36	LT	1	1	33
88+08	RT	1	1	33
89+36	LT	1	1	33
89+59	RT	1	1	33
90+07	LT	1	1	33
90+45	LT	1	1	33
90+85	RT	1	1	33
91+35	LT	1	1	34
91+85	RT	1	1	31
92+62	RT	1	1	32
92+65	LT	1	1	33
93+54	RT	1	1	31
93+68	LT	1	1	35
94+32	RT	1	1	33
94+85	RT	1	1	33
95+06	LT	1	1	33
95+97	LT	1	1	33
96+19	LT	1	1	33
96+57	RT	1	1	41
96+88	LT	1	1	33
97+05	RT	1	1	34
97+39	LT	1	1	33
97+71	LT	1	1	33
98+33	LT	1	1	33
98+36	RT	1	1	33
98+85	RT	1	1	33
99+12	LT	1	1	33
99+96	RT	1	1	33
100+43	LT	1	1	33
101+04	LT	1	1	33
101+44	RT	1	1	33
101+64	LT	1	1	33
102+04	RT	1	1	33
102+41	LT	1	1	33
103+01	RT	1	1	33
103+08	LT	1	1	33
103+71	RT	1	1	33
104+19	LT	1	1	33
104+62	RT	1	1	33
105+49	RT	1	1	33
106+03	RT	1	1	33
106+15	LT	1	1	33
106+96	RT	1	1	33
107+24	LT	1	1	33
108+02	LT	1	1	33
109+11	RT	1	1	33
109+22	LT	1	1	33
109+83	LT	1	1	33
110+19	RT	1	1	29
ITEM TOTALS		79	79	2533

WATERS SERVICES

STATION	LOCATION	CURB STOP & BOX 1-INCH SPV.0060.08 EA	CORPORATION 1-INCH SPV.0060.10 EA	CONNECT TO EXISTING WATER SERVICE SPV.0060.12 EA	WATER SERVICE COPPER 1-INCH SPV.0090.05 LF
69+93	RT	1	1	1	34
71+53	RT	1	1	1	54
75+30	LT	1	1	1	21
75+45	RT	1	1	1	39
76+02	LT	1	1	1	21
76+40	RT	1	1	1	39
76+50	LT	1	1	1	21
77+50	LT	1	1	1	21
77+99	RT	1	1	1	39
77+95	LT	1	1	1	21
78+08	RT	1	1	1	39
78+85	RT	1	1	1	39
78+87	LT	1	1	1	21
79+45	RT	1	1	1	39
79+52	LT	1	1	1	21
80+80	RT	1	1	1	40
80+85	LT	1	1	1	20
81+48	LT	1	1	1	20
82+81	RT	1	1	1	40
82+82	LT	1	1	1	20
83+54	RT	1	1	1	40
83+75	RT	1	1	1	20
84+58	RT	1	1	1	59
85+26	LT	1	1	1	20
86+21	RT	1	1	1	43
86+36	LT	1	1	1	23
87+01	LT	1	1	1	23
87+17	RT	1	1	1	43
87+69	RT	1	1	1	43
88+28	LT	1	1	1	23
88+60	RT	1	1	1	43
89+06	RT	3	3	3	54
89+36	LT	1	1	1	23
90+07	LT	1	1	1	23
90+45	LT	1	1	1	23
90+97	RT	1	1	1	43
91+53	RT	1	1	1	42
91+65	LT	1	1	1	25
92+47	LT	1	1	1	23
92+62	RT	1	1	1	42
93+30	LT	1	1	1	25
93+60	RT	1	1	1	41
94+28	RT	1	1	1	43
94+56	LT	1	1	1	23
95+71	RT	1	1	1	43
95+74	LT	1	1	1	23
96+57	RT	1	1	1	33
96+88	LT	1	1	1	23
97+70	RT	1	1	1	43
97+71	LT	1	1	1	23
98+33	LT	1	1	1	23
98+36	RT	1	1	1	43
99+51	RT	1	1	1	43
99+69	LT	1	1	1	23
99+96	RT	1	1	1	33
100+13	LT	1	1	1	23
101+04	LT	1	1	1	23
101+44	RT	1	1	1	43
101+64	LT	1	1	1	23
102+04	RT	1	1	1	43
102+41	LT	1	1	1	23
103+01	RT	1	1	1	43
103+17	LT	1	1	1	23
103+75	RT	1	1	1	43
104+19	LT	1	1	1	23
104+62	RT	1	1	1	43
105+49	RT	1	1	1	43
105+83	LT	1	1	1	23
106+03	RT	1	1	1	43
107+19	LT	1	1	1	23
108+44	LT	1	1	1	23
108+83	LT	1	1	1	23
108+88	RT	1	1	1	43
109+83	LT	1	1	1	23
ITEM TOTALS		76	76	76	2369

PROJECT NO: 8080-05-72	HWY: STH 35	COUNTY: ST. CROIX	TYPICAL SECTIONS	SHEET E

TRANSPORTATION PROJECT PLAT NO: 8080-07-20-4.01 AMENDMENT NO. 1 REMOVES PARCEL 1 OF TRANSPORTATION PROJECT PLAT 8080-07-20-4.01 RECORDED AS DOCUMENT NO: 1097942, VOLUME TPP1, PAGES 175.

THAT PART OF LOT 2 OF BLOCK E, ALDRICH'S ADDITION AND PART OF LOT 7 OF BLOCK E, COMSTOCK & DENNISTON'S 2ND ADDITION AND PART OF LOT 11 AND 12 OF BLOCK F, PLAT OF WILLOW RIVER AND PART OF LOT 1 OF BLOCK B, ALDRICH'S ADDITION, AND PART OF OUTLOTS 201, 202, 203 AND 205, VACATED KINNICKINNIC STREET, ASSESSORS PLAT OF HUDSON AND LOTS 1 THRU 6 OF BLOCK L, PLAT OF WILLOW RIVER, LOCATED IN PART OF GOVERNMENT LOT 2, ALL IN SECTION 25, TOWNSHIP 29 NORTH, RANGE 20 WEST, CITY OF HUDSON, ST CROIX COUNTY, WISCONSIN.

RELOCATION ORDER STH 35 CITY OF HUDSON, SECOND STREET; VILLAGE NORTH HUDSON, 6TH STREET (COULEE RD - NORTH END RD), ST CROIX COUNTY.

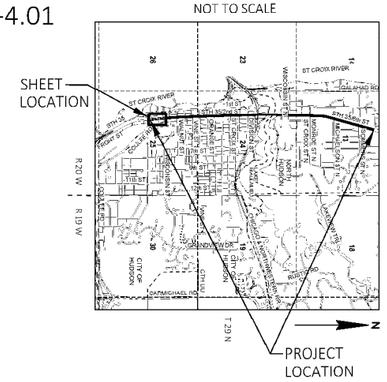
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF HUDSON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF HUDSON HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF HUDSON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, 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 ST CROIX COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1095850.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ST CROIX 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 DL4290.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 2" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING ACCESS CONTROL ALONG STH 35 HAS BEEN ESTABLISHED FROM MAP OF CONTROLLED - ACCESS, CA 028-2(1), 06-5(1), 06-4(1) ST CROIX.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE CITY OF HUDSON.

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SF REQUIRED			TLE SF
			NEW	EXISTING	TOTAL	
-	-	-	-	-	-	-
2	RIVER CITY CENTER LLC	FEE/TLE	69	-	69	614
3	219 2ND STREET LLC	TLE	-	-	-	579
4	REISCH INC	TLE	-	-	-	320
5	JAIME L BLECHSCHMIDT ADOMAITIS	TLE	-	-	-	185
6	CAP OPERATIONS INC	FEE/TLE	416	-	416	1510
7	LAKEVIEW ENTERPRISES	FEE/TLE	12	-	12	657
8	RED HOOK HOLDINGS LLC	TLE	-	-	-	143
9	206 2ND STREET LLC	TLE	-	-	-	1046
-	-	-	-	-	-	-
11	ERICKSON OIL PRODUCTS INC	TLE	-	-	-	1442

1098998
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
RECEIVED FOR RECORD
03/19/2020 12:06 PM
EXEMPT #
PLAT FEE 25.00
VOLUME: TPP1
PAGES: 179
PAGES: 1
****The above recording information verifies that this document has been electronically recorded & returned to the submitter**

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8080-07-20-4.01
AMENDMENT NO. 1

COURSE TABLE			
FROM	TO	DIRECTION	DISTANCE
2920247	708	S 00° 01' 16" E	2431.70'
708	299	S 89° 58' 44" W	1192.97'
299	414	N 64° 52' 02" W	32.45'
414	415	N 39° 03' 23" W	33.31'
415	416	N 04° 21' 28" W	70.00'
416	417	S 85° 38' 32" W	3.66'
417	712	N 04° 32' 38" W	525.16'
712	336	S 85° 50' 40" W	66.00'
336	337	S 04° 32' 38" E	233.25'
337	338	S 02° 06' 07" E	223.09'
338	418	S 04° 32' 38" E	86.23'
418	419	S 04° 01' 41" W	12.10'
419	420	S 04° 41' 34" E	40.03'
303	304	S 23° 26' 32" W	71.78'
304	312	S 40° 44' 37" E	42.05'
312	329	N 87° 20' 16" E	99.18'
300	299	N 26° 37' 33" E	60.02'

COURSE TABLE - SEGMENTS			
FROM	TO	DIRECTION	DISTANCE
712	758	S 85° 50' 40" W	31.64'
758	336	S 85° 50' 40" W	34.36'
303	757	S 23° 26' 32" W	36.89'
757	304	S 23° 26' 32" W	34.89'
312	756	N 87° 20' 16" E	50.33'
756	329	N 87° 20' 16" E	48.85'
300	704	N 26° 37' 33" E	30.40'
704	299	N 26° 37' 33" E	29.62'

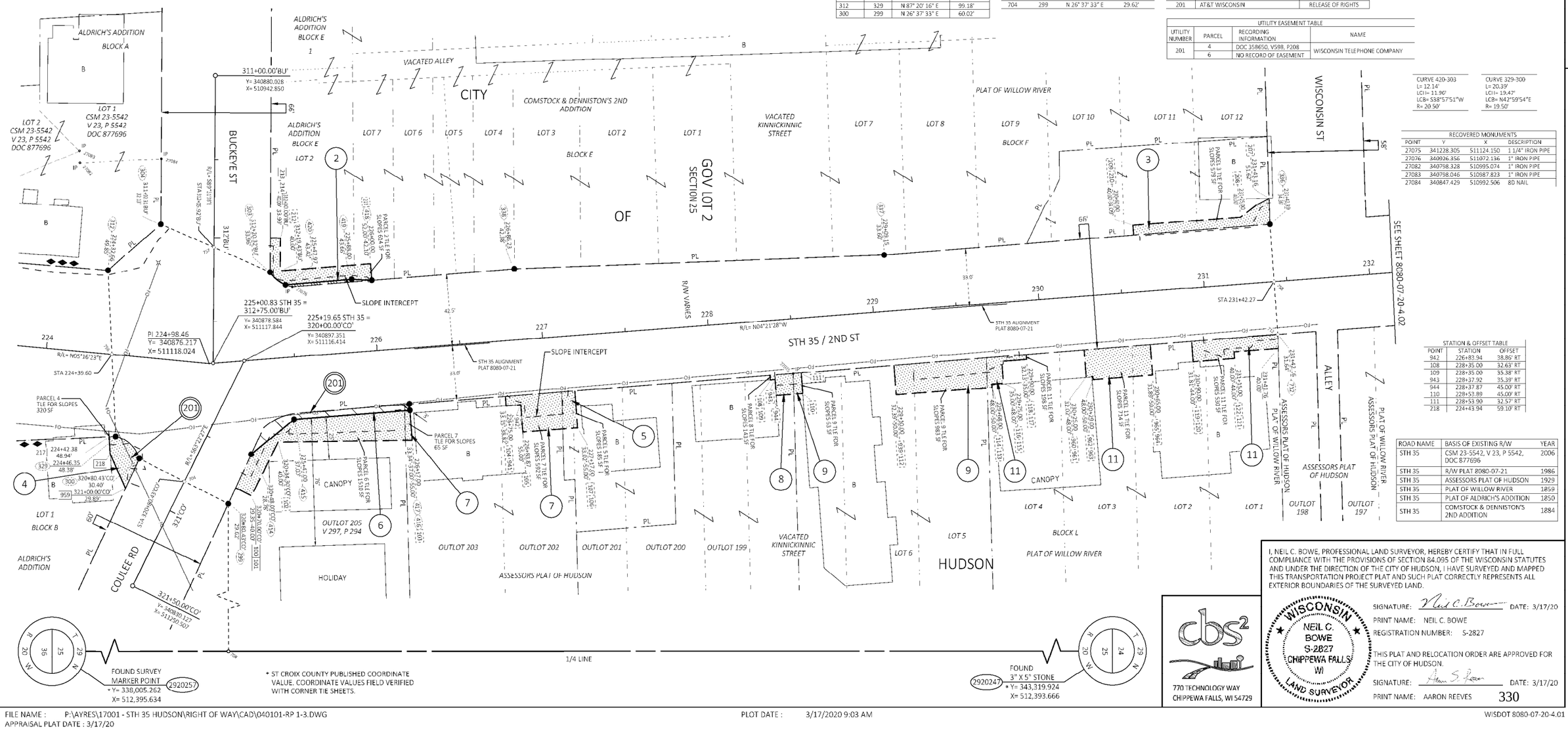
COURSE TABLE - 1/4 LINE			
FROM	TO	DIRECTION	DISTANCE
2920257	708	N 00° 01' 16" W	2882.86'
2920257	2920247	N 00° 01' 16" W	5314.56'

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
201	AT&T WISCONSIN	RELEASE OF RIGHTS

UTILITY EASEMENT TABLE			
UTILITY NUMBER	PARCEL	RECORDING INFORMATION	NAME
201	4	DOC 358650, V598, P208	WISCONSIN TELEPHONE COMPANY
	6	NO RECORD OF EASEMENT	

N

SCALE, FEET
0 30 60



CURVE 420-303
L= 12.14'
LCH= 11.96'
LCB= S38°57'51"W
R= 20.50'

CURVE 329-300
L= 20.39'
LCH= 19.47'
LCB= N42°59'54"E
R= 19.50'

RECOVERED MONUMENTS			
POINT	Y	X	DESCRIPTION
27075	341228.305	511124.150	1 1/4" IRON PIPE
27076	340926.356	511072.136	1" IRON PIPE
27082	340758.328	510995.074	1" IRON PIPE
27083	340798.046	510987.823	1" IRON PIPE
27084	340847.429	510992.506	8D NAIL

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
942	226+83.94	38.86' RT
108	228+35.00	32.63' RT
109	228+35.00	35.38' RT
943	228+37.92	35.39' RT
944	228+37.87	45.00' RT
110	228+52.89	45.00' RT
111	228+53.90	32.57' RT
218	224+43.94	59.10' RT

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 35	CSM 23-5542, V 23, P 5542, DOC 877696	2006
STH 35	R/W PLAT 8080-07-21	1986
STH 35	ASSESSORS PLAT OF HUDSON	1929
STH 35	PLAT OF WILLOW RIVER	1859
STH 35	PLAT OF ALDRICH'S ADDITION	1850
STH 35	COMSTOCK & DENNISTON'S 2ND ADDITION	1884

* ST CROIX COUNTY PUBLISHED COORDINATE VALUE. COORDINATE VALUES FIELD VERIFIED WITH CORNER TIE SHEETS.

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 CITY OF HUDSON, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 3/17/20
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF HUDSON.

SIGNATURE: _____ DATE: 3/17/20
PRINT NAME: AARON REEVES

330

cbs2
770 TECHNOLOGY WAY
CHIPPEWA FALLS, WI 54729

WISCONSIN
NEIL C. BOWE
S-2827
CHIPPEWA FALLS
WI
LAND SURVEYOR

FILE NAME : P:\AYRES\17001 - STH 35 HUDSON\RIGHT OF WAY\CAD\040101-RP 1-3.DWG
APPRAISAL PLAT DATE : 3/17/20

PLOT DATE : 3/17/2020 9:03 AM

WISDOT 8080-07-20-4.01

TRANSPORTATION PROJECT PLAT NO: 8080-07-20-4.02

THAT PART OF LOT 7 AND 12 OF BLOCK G, LOT 9 OF BLOCK H, PLAT OF WILLOW RIVER, OUTLOTS 198 AND 197, ASSESSORS PLAT OF HUDSON, LOTS 1 THRU 6, BLOCK K, LOT 7 OF BLOCK J, PLAT OF WILLOW RIVER, LOCATED IN PART OF GOVERNMENT LOT 2, AND PART OF LOT 16 OF BLOCK H, LOTS 1, 4 AND 5 OF BLOCK J, PLAT OF WILLOW RIVER, LOCATED IN PART OF GOVERNMENT LOT 1, ALL IN SECTION 25, TOWNSHIP 29 NORTH, RANGE 20 WEST, CITY OF HUDSON, ST CROIX COUNTY, WISCONSIN.

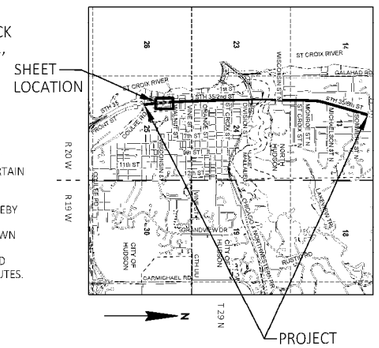
RELOCATION ORDER STH 35 CITY OF HUDSON, SECOND STREET; VILLAGE NORTH HUDSON, 6TH STREET (COULEE RD - NORTH END RD), ST CROIX COUNTY.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF HUDSON 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 62.22, WISCONSIN STATUTES, THE CITY OF HUDSON HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF HUDSON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, 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 ST CROIX COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1095850.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ST CROIX COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ⅝" 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 CITY OF HUDSON.

COURSE TABLE

FROM	TO	DIRECTION	DISTANCE
2920247	710	S 00° 01' 16" E	1378.86'
710	332	S 88° 07' 19" W	1322.60'
332	339	N 04° 10' 49" W	343.57'
339	27462	N 02° 42' 05" W	58.02'
27462	343	S 89° 13' 31" W	66.01'
343	27454	S 02° 35' 34" E	58.03'
27454	333	S 04° 10' 49" E	342.04'
333	334	S 04° 33' 00" E	58.04'
334	335	S 04° 13' 48" E	267.64'
335	336	S 04° 22' 24" E	58.06'
336	712	N 85° 50' 40" E	66.00'
712	434	N 04° 32' 38" W	23.03'
434	435	N 04° 17' 51" W	13.01'
435	331	N 04° 13' 48" W	298.92'
331	332	N 04° 39' 52" W	43.36'

COURSE TABLE - SEGMENTS

FROM	TO	DIRECTION	DISTANCE
339	768	N 02° 42' 05" W	28.77'
768	27462	N 02° 42' 05" W	29.25'
27462	714	S 89° 13' 31" W	33.70'
714	343	S 89° 13' 31" W	32.31'
343	767	S 02° 35' 34" E	29.43'
767	27454	S 02° 35' 34" E	28.60'
333	778	S 04° 33' 00" E	30.07'
778	334	S 04° 33' 00" E	27.97'
336	758	N 85° 50' 40" E	34.36'
758	712	N 85° 50' 40" E	31.64'
331	777	N 04° 39' 52" W	16.66'
777	332	N 04° 39' 52" W	26.70'

COURSE TABLE - 1/4 LINE

FROM	TO	DIRECTION	DISTANCE
2920257	710	S 00° 01' 16" E	3935.70'
2920247	2920257	S 00° 01' 16" E	5314.56'

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 35	ASSESSORS PLAT OF HUDSON	1929
STH 35	PLAT OF WILLOW RIVER	1859

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
200	XCEL ENERGY (ELECTRIC)	RELEASE OF RIGHTS
201	AT&T WISCONSIN	RELEASE OF RIGHTS

UTILITY EASEMENT TABLE

UTILITY NUMBER	PARCEL	RECORDING INFORMATION	NAME
200	12	DOC 318137, V502, P234	NORTHERN STATES POWER COMPANY
201	12	DOC 227407, P461	
201	12	DOC 319107, V504, P404	WISCONSIN TELEPHONE COMPANY

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SF REQUIRED			TLE SF
			NEW	EXISTING	TOTAL	
12	FIRST NATIONAL BANK OF HUDSON	TLE	-	-	-	27
13	OLD TOWN WATER'S EDGE LLC	TLE	-	-	-	579
14	401 DESIGN GROUP LLC	TLE	-	-	-	32
-	-	-	-	-	-	-
16	CRAMER RIVERBANK JUNCTION LLC	TLE	-	-	-	118
17	ST CROIX INVESTMENT PROPERTIES LLC	TLE	-	-	-	593
18	THREE TEN LLC	TLE	-	-	-	1434
19	GERRARD DEVELOPMENT LLC	TLE	-	-	-	37
-	-	-	-	-	-	-
21	JEFFREY JOHNSON FAMILY LLP	TLE	-	-	-	29
22	JOHN R & PATRICIA LEA BENDER	TLE	-	-	-	226
-	-	-	-	-	-	-
24	ECKBERG HOLDINGS WI LLC	TLE	-	-	-	78

1097944
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
RECEIVED FOR RECORD
02/28/2020 09:31 AM
EXEMPT #
PLAT FEE 25.00
VOLUME: TPP1
PAGES: 176
PAGES: 1
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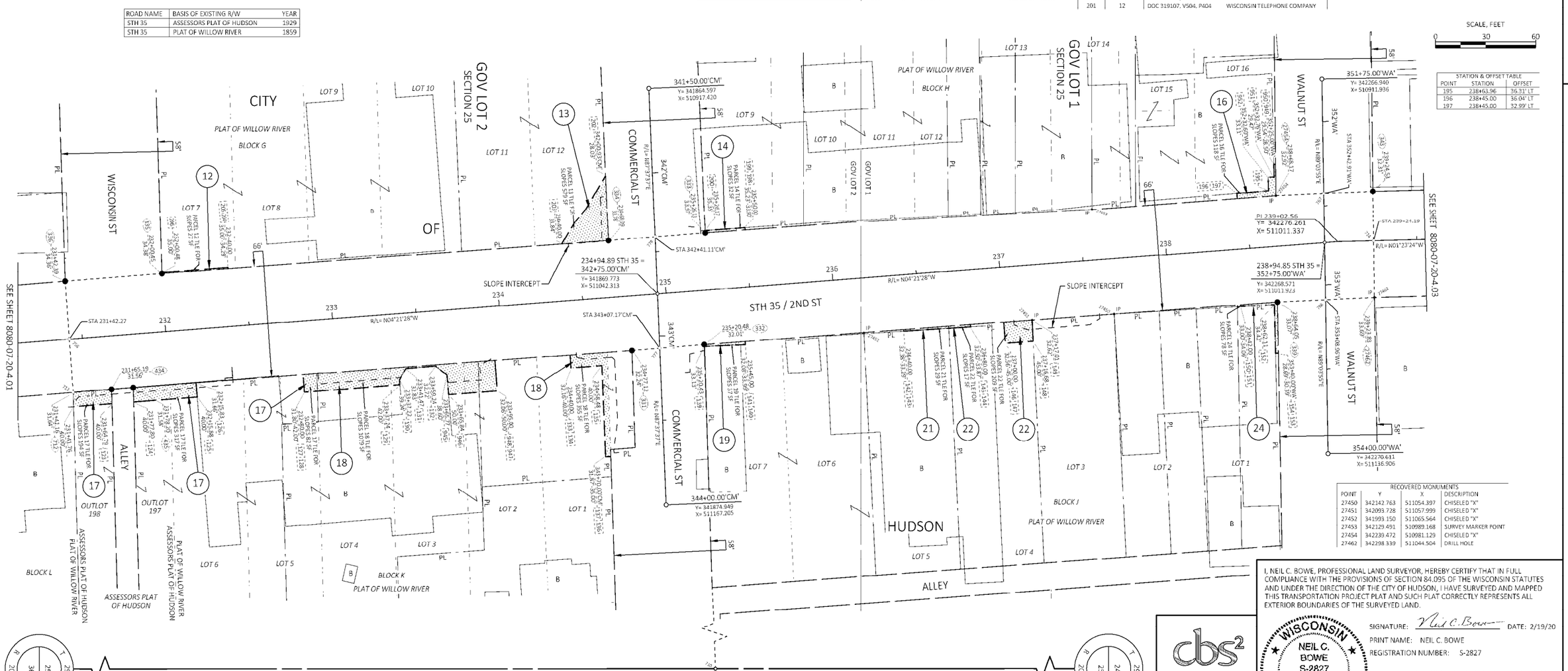
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8080-07-20-4.02



SCALE, FEET
0 30 60

STATION & OFFSET TABLE

POINT	STATION	OFFSET
195	238+63.96	36.31' LT
196	238+45.00	36.04' LT
197	238+45.00	32.99' LT

RECOVERED MONUMENTS

POINT	Y	X	DESCRIPTION
27450	342142.763	511054.397	CHISELED "X"
27451	342093.728	511057.999	CHISELED "X"
27452	341993.150	511065.564	CHISELED "X"
27453	342129.491	510989.168	SURVEY MARKER POINT
27454	342230.472	510981.129	CHISELED "X"
27462	342298.339	511044.504	DRILL HOLE

FOUND SURVEY MARKER POINT 2920257
* Y= 338,005.262
X= 512,395.634

* ST CROIX COUNTY PUBLISHED COORDINATE VALUE. COORDINATE VALUES FIELD VERIFIED WITH CORNER TIE SHEETS.

FOUND 3" X 5" STONE 2920247
* Y= 343,319.924
X= 512,393.666

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 CITY OF HUDSON, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Neil C. Bowe DATE: 2/19/20
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

WISCONSIN NEIL C. BOWE S-2827 CHIPPEWA FALLS WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF HUDSON.

SIGNATURE: DATE: 2/19/20
PRINT NAME: AARON REEVES 331

FILE NAME : P:\AYRES\17001 - STH 35 HUDSON\RIGHT OF WAY\CAD\040101-RP 1-3.DWG
APPRAISAL PLAT DATE : 2/19/20

PLOT DATE : 2/27/2020 4:35 PM

WISDOT 8080-07-20-4.02

TRANSPORTATION PROJECT PLAT NO: 8080-07-20-4.03

THAT PART OF LOTS 1 AND 5 OF BLOCK 13, AND LOTS 1 AND 5 OF BLOCK 12, PLAT OF BUENAVISTA, LOTS 1 AND 6 OF BLOCK I, PLAT OF WILLOW RIVER, LOTS 6 AND 7, BLOCK 11, PLAT OF BUENAVISTA, LOCATED IN PART OF GOVERNMENT LOT 1, ALL IN SECTION 25, TOWNSHIP 29 NORTH, RANGE 20 WEST, CITY OF HUDSON, ST CROIX COUNTY, WISCONSIN.

RELOCATION ORDER STH 35 CITY OF HUDSON, SECOND STREET; VILLAGE NORTH HUDSON, 6TH STREET (COULEE RD - NORTH END RD), ST CROIX COUNTY.

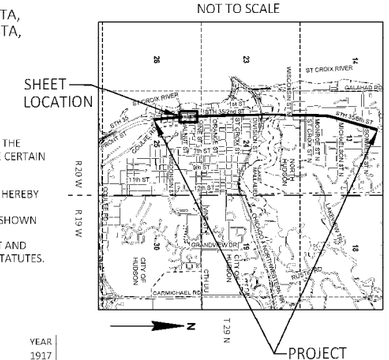
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF HUDSON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF HUDSON HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF HUDSON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

LOCATION SKETCH

NOT TO SCALE



ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 35	WILLIAMS' SUBDIVISION	1917
STH 35	PLAT OF WILLOW RIVER	1859
STH 35	PLAT OF BUENAVISTA	1848

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN ST CROIX COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1095850.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ST CROIX COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO TIE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE CITY OF HUDSON.

COURSE TABLE

FROM	TO	DIRECTION	DISTANCE
2920247	718	S 00° 01' 16" E	670.85'
718	27459	S 89° 09' 35" W	1358.71'
27459	340	N 00° 55' 17" W	66.00'
340	344	N 01° 25' 22" W	334.24'
344	345	N 01° 10' 04" W	66.00'
345	354	S 89° 11' 12" W	66.00'
354	355	S 01° 10' 04" E	66.00'
355	341	S 01° 25' 22" E	333.97'
341	342	S 00° 55' 07" E	66.00'
342	343	S 01° 35' 06" E	331.16'
343	27462	N 89° 13' 31" E	66.00'
27462	27459	N 01° 35' 06" W	330.93'

COURSE TABLE - SEGMENTS

FROM	TO	DIRECTION	DISTANCE
27459	770	N 00° 55' 17" W	32.76'
770	340	N 00° 55' 17" W	33.24'
344	759	N 01° 10' 04" W	32.42'
759	345	N 01° 10' 04" W	33.58'
345	719	S 89° 11' 12" W	33.17'
719	354	S 89° 11' 12" W	32.83'
354	760	S 01° 10' 04" E	33.24'
760	355	S 01° 10' 04" E	32.76'
341	769	S 00° 55' 07" E	33.58'
769	342	S 00° 55' 07" E	32.42'
343	714	N 89° 13' 31" E	32.31'
714	27462	N 89° 13' 31" E	33.69'

COURSE TABLE - 1/4 LINE

FROM	TO	DIRECTION	DISTANCE
2920257	718	N 00° 01' 16" W	4643.71'
2920247	2920257	S 00° 01' 16" E	5314.56'

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SF REQUIRED NEW	R/W SF REQUIRED EXISTING	R/W SF REQUIRED TOTAL	TLE SF
26	RODE-WARNKEN PROPERTIES LLC	TLE	-	-	-	48
27	MONARCH VENTURES LLC	TLE	-	-	-	146
28	HUDSON REAL ESTATE LLC	TLE	-	-	-	23
29	WHPC - ST CROIX COUNTY II LLC	TLE	-	-	-	372
-	-	-	-	-	-	-
31	CRAMER STEVENS MANOR LLC	TLE	-	-	-	306
32	MARK L & BEVERLY G ANDERSON	TLE	-	-	-	206
33	WELLS FARGO BANK, NATIONAL ASSOCIATION F/K/A/ STATE BANK OF HUDSON	TLE	-	-	-	851
-	-	-	-	-	-	-

1097945
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
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PROJECT NUMBER 8080-07-20-4.03

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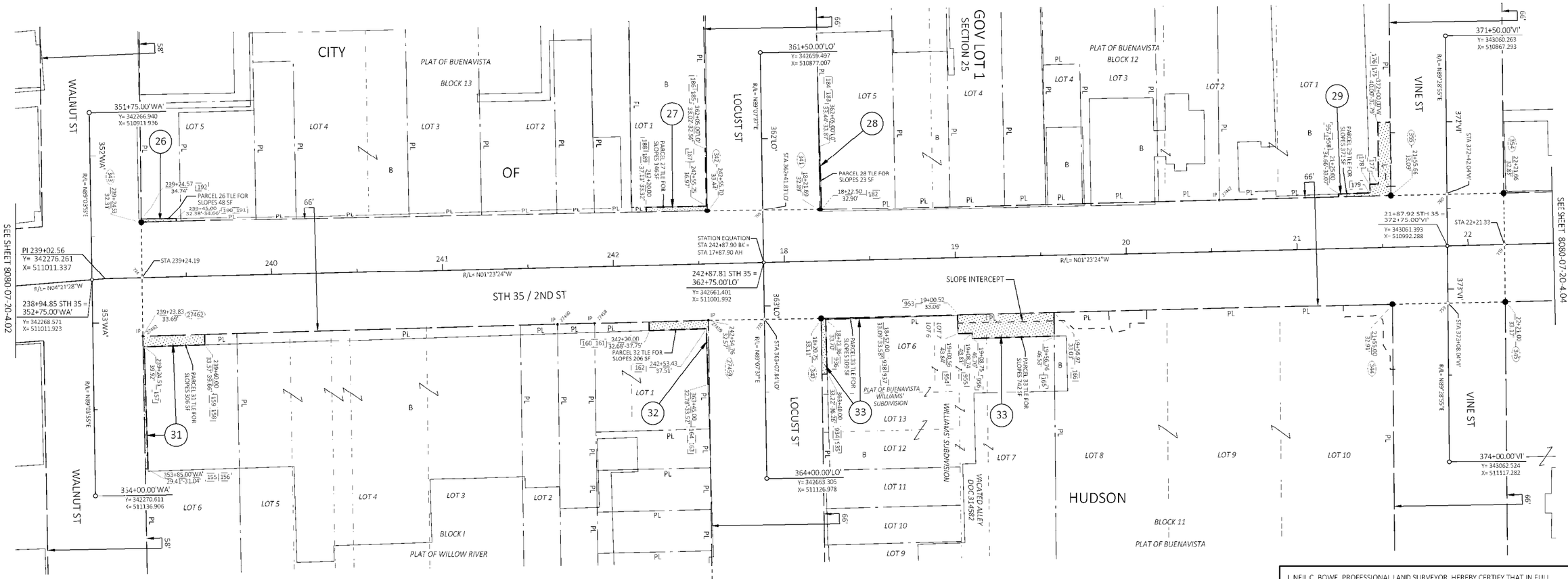
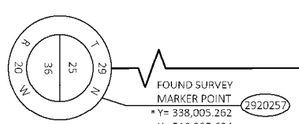


STATION & OFFSET TABLE

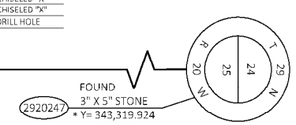
POINT	STATION	OFFSET
177	21+48.53	40.00' LT
178	21+43.49	40.00' LT
179	21+43.54	34.84' LT

RECOVERED MONUMENTS

POINT	Y	X	DESCRIPTION
27447	342928.002	510962.490	1 1/4" IRON PIPE
27458	342562.530	511037.198	CHISELED "X"
27459	342629.144	511035.351	CHISELED "X"
27460	342540.902	511037.966	CHISELED "X"
27462	342298.339	511044.504	DRILL HOLE



* ST CROIX COUNTY PUBLISHED COORDINATE VALUE. COORDINATE VALUES FIELD VERIFIED WITH CORNER TIE SHEETS.



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 CITY OF HUDSON, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Neil C. Bowe DATE: 2/19/20
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

WISCONSIN NEIL C. BOWE S-2827 CHIPPEWA FALLS WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF HUDSON.

SIGNATURE: Aaron S. Reeves DATE: 2/19/20
PRINT NAME: AARON REEVES 332

FILE NAME : P:\AYRES\17001 - STH 35 HUDSON\RIGHT OF WAY\CAD\040101-RP 1-3.DWG
APPRAISAL PLAT DATE : 2/19/20

PLOT DATE : 2/27/2020 4:35 PM

TRANSPORTATION PROJECT PLAT NO: 8080-07-20-4.04

THAT PART OF LOT 2 OF CSM 24-5725, V 24, P 5725, DOC 921047, AND PART OF LOT 3 OF BLOCK 9 AND LOTS 6 & 7 OF BLOCK 10, PLAT OF BUENAVISTA, LOCATED IN AND INCLUDING PART OF GOVERNMENT LOT 1, SECTION 25, AND PART OF LOT 1 OF BLOCK 9 AND LOT 10 OF BLOCK 10, PLAT OF BUENAVISTA, AND PART OF LOT 1 OF BLOCK 6, PLAT OF DANIEL MEARS' ADDITION, AND PART OF LOT 10 OF BLOCK 1, PLAT OF HALL & FERRIDAY'S ADDITION, LOCATED IN AND INCLUDING PART OF GOVERNMENT LOT 2, SECTION 24, ALL IN TOWNSHIP 29 NORTH, RANGE 20 WEST, CITY OF HUDSON, ST CROIX COUNTY, WISCONSIN.

RELOCATION ORDER STH 35 CITY OF HUDSON, SECOND STREET; VILLAGE NORTH HUDSON, 6TH STREET (COULEE RD - NORTH END RD), ST CROIX COUNTY.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF HUDSON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

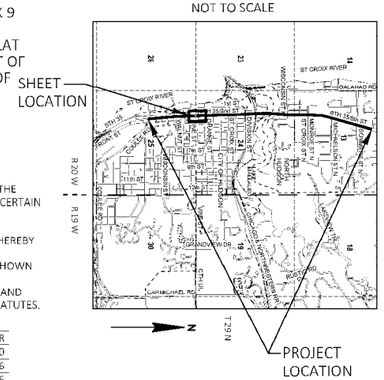
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF HUDSON HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF HUDSON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 35	CSM V 24, P 5725, DOC 921047	2010
STH 35	PLAT OF DANIEL MEARS' ADDITION	1856
STH 35	PLAT OF HALL & FERRIDAY'S ADDITION	1856
STH 35	PLAT OF BUENAVISTA	1848

LOCATION SKETCH

NOT TO SCALE



FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN ST CROIX COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1095850.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ST CROIX COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 2" 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 CITY OF HUDSON.

COURSE TABLE			
FROM	TO	DIRECTION	DISTANCE
2920247	723	N 00° 29' 17" W	114.41'
723	346	S 89° 46' 28" W	1376.41'
346	347	N 00° 28' 31" W	66.00'
347	348	N 01° 15' 40" W	332.88'
348	349	N 00° 23' 36" W	66.00'
349	352	S 89° 16' 14" W	66.01'
352	353	S 00° 23' 44" E	66.00'
353	27207	S 01° 15' 40" E	332.80'
27207	27208	S 00° 28' 30" E	66.12'
27208	354	S 01° 26' 07" E	333.80'
354	345	N 89° 11' 12" E	66.00'
345	346	N 01° 26' 07" W	333.75'

COURSE TABLE - SEGMENTS			
FROM	TO	DIRECTION	DISTANCE
349	724	S 89° 16' 14" W	34.59'
724	352	S 89° 16' 14" W	31.42'
354	719	N 89° 11' 12" E	32.83'
719	345	N 89° 11' 12" E	33.17'

COURSE TABLE - 1/4 LINE			
FROM	TO	DIRECTION	DISTANCE
723	2920137	N 00° 29' 17" W	5160.18'
2920137	2920247	S 00° 29' 17" E	5274.59'

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SF REQUIRED			TLE SF
			NEW	EXISTING	TOTAL	
36	701 SECOND ST LLC	TLE	-	-	-	86
37	JANE M BOROFKA	TLE	-	-	-	196
38	NOR-LAKE INC	TLE	-	-	-	61
39	DRUSCILLA M HOBBINS	TLE	-	-	-	25
-	-	-	-	-	-	-
41	MICHAEL D & JULIE M LESHER	TLE	-	-	-	947
42	FRIESE PROPERTIES LLC	TLE	-	-	-	453
43	DEREK HAYS EVENSON	TLE	-	-	-	237
44	JULIAN W PRICE	TLE	-	-	-	18

1097856
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
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VOLUME: TPP1
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PAGES: 1
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PROJECT NUMBER 8080-07-20-4.04

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SCALE, FEET
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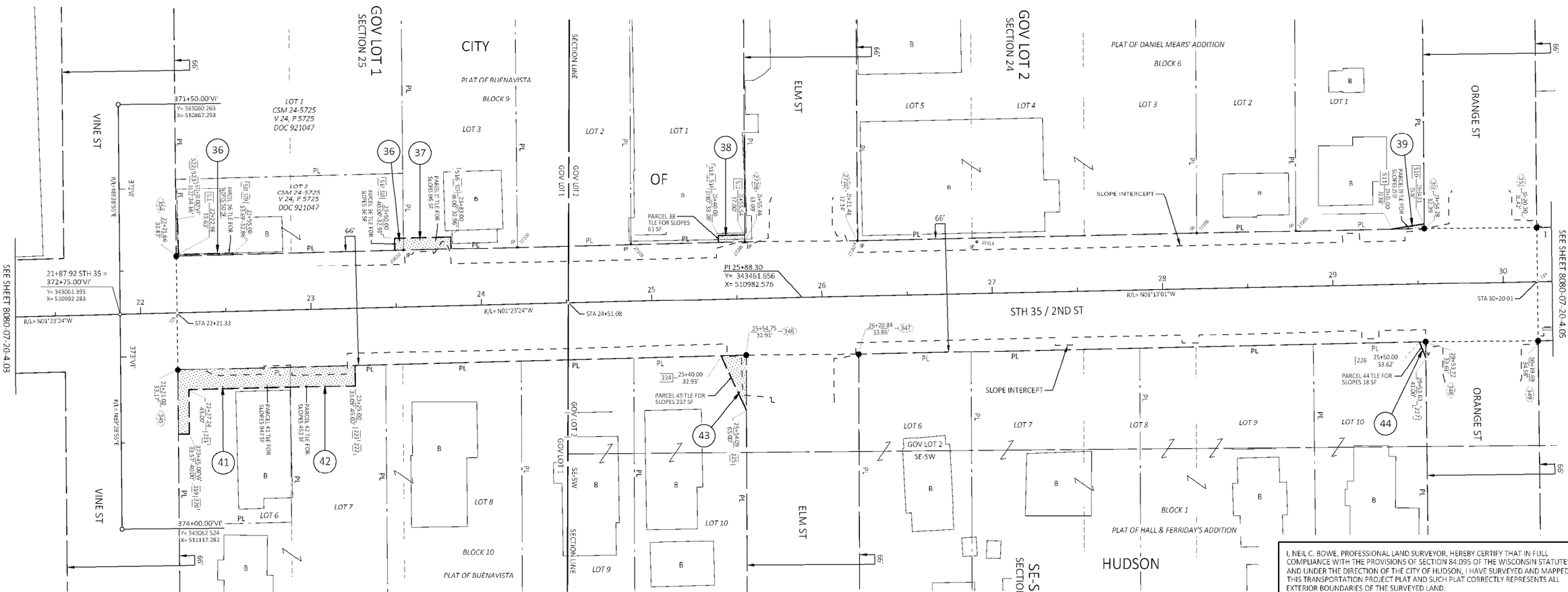


RECOVERED MONUMENTS			
POINT	Y	X	DESCRIPTION
25314	343564.241	510950.317	1" IRON PIPE
26610	343227.725	510955.307	3/4" REBAR W/YCAP
27205	343751.450	510943.880	1" IRON PIPE
27206	343693.303	510945.398	1" IRON PIPE
27207	343494.145	510949.741	1 1/4" IRON PIPE
27208	343428.023	510950.289	1 1/4" IRON PIPE
27209	343361.183	510951.647	1" IRON PIPE
27210	343294.538	510953.406	3/4" REBAR

2920247 FOUND 3" X 5" STONE
* Y= 343,319.924
X= 512,393.666

1/4 LINE

2920137 FOUND 3/4" REBAR
* Y= 348,594.318
X= 512,348.743

* ST CROIX COUNTY PUBLISHED COORDINATE VALUE. COORDINATE VALUES FIELD VERIFIED WITH CORNER TIE SHEETS.

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 CITY OF HUDSON, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN NEIL C. BOWE S-2827 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: Neil C. Bowe DATE: 2/19/20
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF HUDSON.

SIGNATURE: Aaron S. Reeves DATE: 2/19/20
PRINT NAME: AARON REEVES

333

TRANSPORTATION PROJECT PLAT NO: 8080-07-20-4.05

THAT PART OF LOTS 1 THRU 5 OF BLOCK 2 AND LOTS 7 THRU 10 OF BLOCK 3, PLAT OF BUENAVISTA, AND PART OF OUTLOT 34, ASSESSORS PLAT OF HUDSON, AND PART OF LOTS 1 AND 5 OF BLOCK A, CAVANAUGH'S ADDITION TO HUDSON, AND PART OF LOTS 6 AND 7 OF BLOCK A, LARSON AND EVENSON'S ADDITION TO HUDSON, AND PART OF OUTLOT 46 THRU 48, ASSESSORS PLAT OF HUDSON, LOCATED IN PART OF GOVERNMENT LOT 2, AND PART OF LOT 5 OF BLOCK A, LARSON AND EVENSON'S ADDITION TO HUDSON, AND PART OF OUTLOT 45 AND 46, ASSESSORS PLAT OF HUDSON, LOCATED IN PART OF GOVERNMENT LOT 1, ALL IN SECTION 24, TOWNSHIP 29 NORTH, RANGE 20 WEST, CITY OF HUDSON, ST CROIX COUNTY, WISCONSIN.

RELOCATION ORDER STH 35 CITY OF HUDSON, SECOND STREET; VILLAGE NORTH HUDSON, 6TH STREET (COULEE RD - NORTH END RD), ST CROIX COUNTY.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF HUDSON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

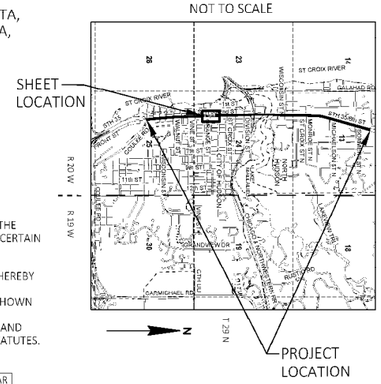
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF HUDSON HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF HUDSON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 35	ASSESSORS PLAT OF HUDSON	1929
STH 35	PLAT OF CAVANAUGH'S ADDITION	1879
STH 35	PLAT OF LARSON & EVENSON'S ADDITION	1878
STH 35	PLAT OF BUENAVISTA	1848

LOCATION SKETCH

NOT TO SCALE



FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN ST CROIX COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1095850.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ST CROIX 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.

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FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE CITY OF HUDSON.

COURSE TABLE

FROM	TO	DIRECTION	DISTANCE
2920247	725	N 00° 29' 17" W	923.19'
725	350	S 89° 22' 07" W	1386.42'
350	27063	N 01° 28' 57" W	66.01'
27063	761	N 01° 17' 05" W	430.53'
761	763	N 80° 17' 24" W	67.23'
763	351	S 01° 17' 05" E	442.78'
351	27065	S 01° 28' 50" E	66.00'
27065	352	S 01° 27' 24" E	334.14'
352	349	N 89° 16' 14" E	66.01'
349	350	N 01° 27' 24" W	334.21'

COURSE TABLE - SEGMENTS

FROM	TO	DIRECTION	DISTANCE
761	762	N 80° 17' 24" W	33.59'
762	763	N 80° 17' 24" W	33.64'
352	724	N 89° 16' 14" E	31.42'
724	349	N 89° 16' 14" E	34.59'

COURSE TABLE - 1/4 LINE

FROM	TO	DIRECTION	DISTANCE
725	2920137	N 00° 29' 17" W	4351.40'
2920137	2920247	S 00° 29' 17" E	5274.59'

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
201	AT&T WISCONSIN	RELEASE OF RIGHTS

UTILITY EASEMENT TABLE

UTILITY NUMBER	PARCEL	RECORDING INFORMATION	NAME
201	61	DOC 279246, V411, P97	WISCONSIN TELEPHONE COMPANY

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SF REQUIRED NEW	R/W SF REQUIRED EXISTING	R/W SF REQUIRED TOTAL	TLE SF
46	JOAN LLC	TLE	-	-	-	67
47	MICHAEL G. & STACY M. LENZEN	TLE	-	-	-	217
48	FENNER TRUST	TLE	-	-	-	181
49	NEIL P CAMPBELL	TLE	-	-	-	46
-	-	-	-	-	-	-
51	ALWIN CHILDREN LLC	TLE	-	-	-	21
52	SALLY J JENSEN IRREVOCABLE FAMILY TRUST	TLE	-	-	-	390
53	HUDSON HOUSING AUTHORITY	TLE	-	-	-	423
54	JAY CLAIRAIN	TLE	-	-	-	436
-	-	-	-	-	-	-
56	MATTHEW M & KRISTINA L MAKI	TLE	-	-	-	104
-	-	-	-	-	-	-
58	HUNTER J DAVIDSON	TLE	-	-	-	392
59	CHERYL D FRITZ	TLE	-	-	-	385
-	-	-	-	-	-	-
61	CHET D FUNK	TLE	-	-	-	186
62	BENJAMIN G STRAKA	TLE	-	-	-	172
63	JOSEPH P GUNDERSON	TLE	-	-	-	242
64	JON STEPHENSON	TLE	-	-	-	456
-	-	-	-	-	-	-
66	BRIAN KEITH HELLAND	TLE	-	-	-	356
67	JOEL J & CAROLA KULOW	TLE	-	-	-	288

1097986
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
RECEIVED FOR RECORD
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EXEMPT #
PLAT FEE 25.00
VOLUME: TPP1
PAGES: 178
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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8080-07-20-4.05

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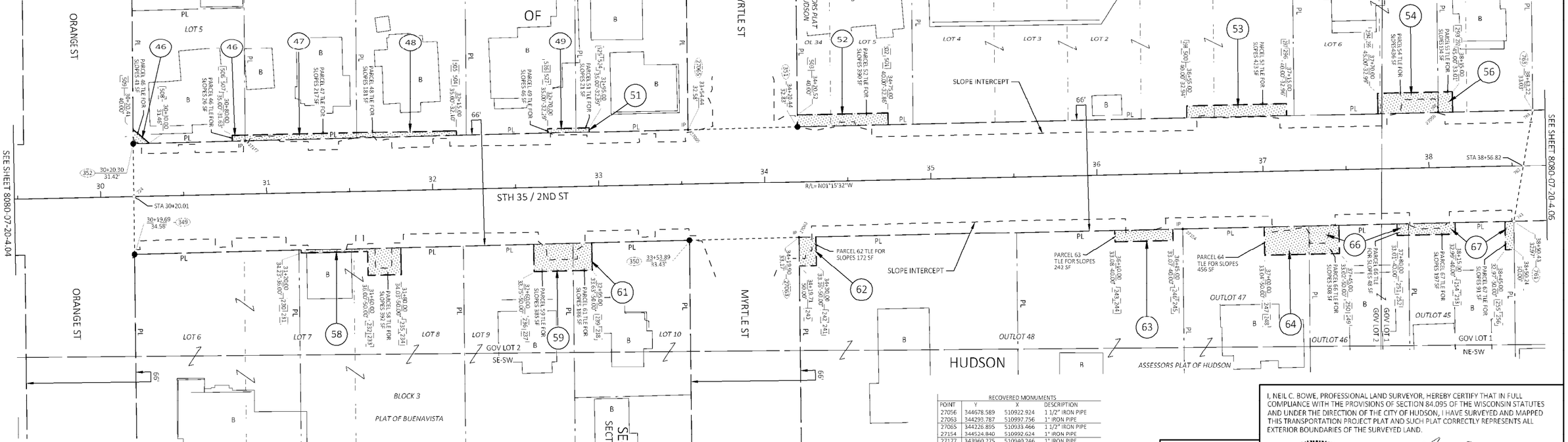


* ST CROIX COUNTY PUBLISHED COORDINATE VALUE. COORDINATE VALUES FIELD VERIFIED WITH CORNER TIE SHEETS.

RECOVERED MONUMENTS

POINT	Y	X	DESCRIPTION
27056	344678.589	510922.924	1 1/2" IRON PIPE
27063	344293.787	510997.756	1" IRON PIPE
27065	344226.895	510933.466	1 1/2" IRON PIPE
27154	344524.840	510992.624	1" IRON PIPE
27177	343960.275	510940.246	1" IRON PIPE

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 CITY OF HUDSON, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
NEIL C. BOWE
S-2827
CHIPPEWA FALLS
WI
LAND SURVEYOR

SIGNATURE: Neil C. Bowe DATE: 2/19/20
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF HUDSON.

SIGNATURE: Aaron S. Reeves DATE: 2/19/20
PRINT NAME: AARON REEVES

334

TRANSPORTATION PROJECT PLAT NO: 8080-07-20-4.06

THAT PART OF OUTLOTS 38, 39, 42, 43 AND 44, ASSESSORS PLAT OF HUDSON, AND PART OF LOT 4, LAKE VIEW ADDITION, AND PART OF LOT 7 OF BLOCK J, PLAT OF GIBSON, HENNING & MASSY'S ADDITION, LOCATED IN AND INCLUDING PART OF GOVERNMENT LOT 1, ALL IN SECTION 24, TOWNSHIP 29 NORTH, RANGE 20 WEST, CITY OF HUDSON, ST CROIX COUNTY, WISCONSIN.

RELOCATION ORDER STH 35 CITY OF HUDSON, SECOND STREET; VILLAGE NORTH HUDSON, 6TH STREET (COULEE RD - NORTH END RD), ST CROIX COUNTY.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF HUDSON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

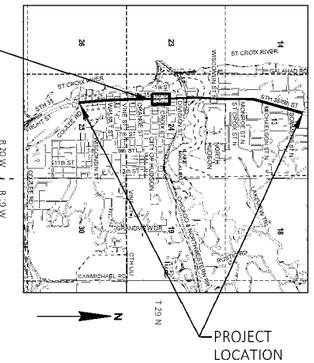
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF HUDSON HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF HUDSON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 35	ASSESSORS PLAT OF HUDSON	1929
STH 35	LAKE VIEW ADDITION	1897
STH 35	PLAT OF LARSON & EVENSON'S ADDITION	1878
STH 35	PLAT OF GIBSON, HENNING & MASSEY'S ADDITION	1856

LOCATION SKETCH

NOT TO SCALE



FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN ST CROIX COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1095850.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ST CROIX COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 36" 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 CITY OF HUDSON.

COURSE TABLE

FROM	TO	DIRECTION	DISTANCE
2920247	735	N 00° 29' 17" W	1690.61'
735	356	N 88° 42' 18" W	1388.65'
356	357	N 01° 14' 48" W	66.06'
357	358	N 01° 06' 55" W	394.36'
358	359	N 02° 04' 21" W	66.08'
359	363	N 85° 29' 07" W	66.30'
363	364	S 02° 03' 27" E	66.02'
364	365	S 01° 06' 55" E	405.99'
365	366	S 01° 14' 31" E	39.09'
366	763	S 01° 17' 05" E	327.32'
763	761	S 80° 17' 24" E	67.23'
761	356	N 01° 17' 05" W	317.95'

COURSE TABLE - SEGMENTS

FROM	TO	DIRECTION	DISTANCE
359	728	N 85° 29' 07" W	31.81'
728	363	N 85° 29' 07" W	34.49'
764	365	S 01° 14' 31" E	19.70'
764	366	S 01° 14' 31" E	19.30'
763	762	S 80° 17' 24" E	33.64'
762	761	S 80° 17' 24" E	33.59'

COURSE TABLE - 1/4 LINE

FROM	TO	DIRECTION	DISTANCE
735	2920137	N 00° 29' 17" W	3583.98'
2920137	2920247	S 00° 29' 17" E	5274.59'

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SF REQUIRED			TLE SF
			NEW	EXISTING	TOTAL	
68	JUSTIN W INMAN	TLE	-	-	-	469
69	EUGENE G & MARY E STAHNKE	TLE	-	-	-	691
-	-	-	-	-	-	-
71	MCKENZEE A & DANIEL E HAYES	TLE	-	-	-	852
72	TRAVIS WALDSCHMIDT	TLE	-	-	-	463
73	WILLIAM & CYNTHIA SILKETT	TLE	-	-	-	535
74	CATHERINE M WRIGHT	TLE	-	-	-	115
-	-	-	-	-	-	-
76	JULIUS C & ALICE SELLE	TLE	-	-	-	133

1097857
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
RECEIVED FOR RECORD
02/26/2020 03:38 PM
EXEMPT #
PLAT FEE 25.00
VOLUME: TPP1
PAGES: 172
PAGES: 1
****The above recording information verifies that this document has been electronically recorded & returned to the submitter**

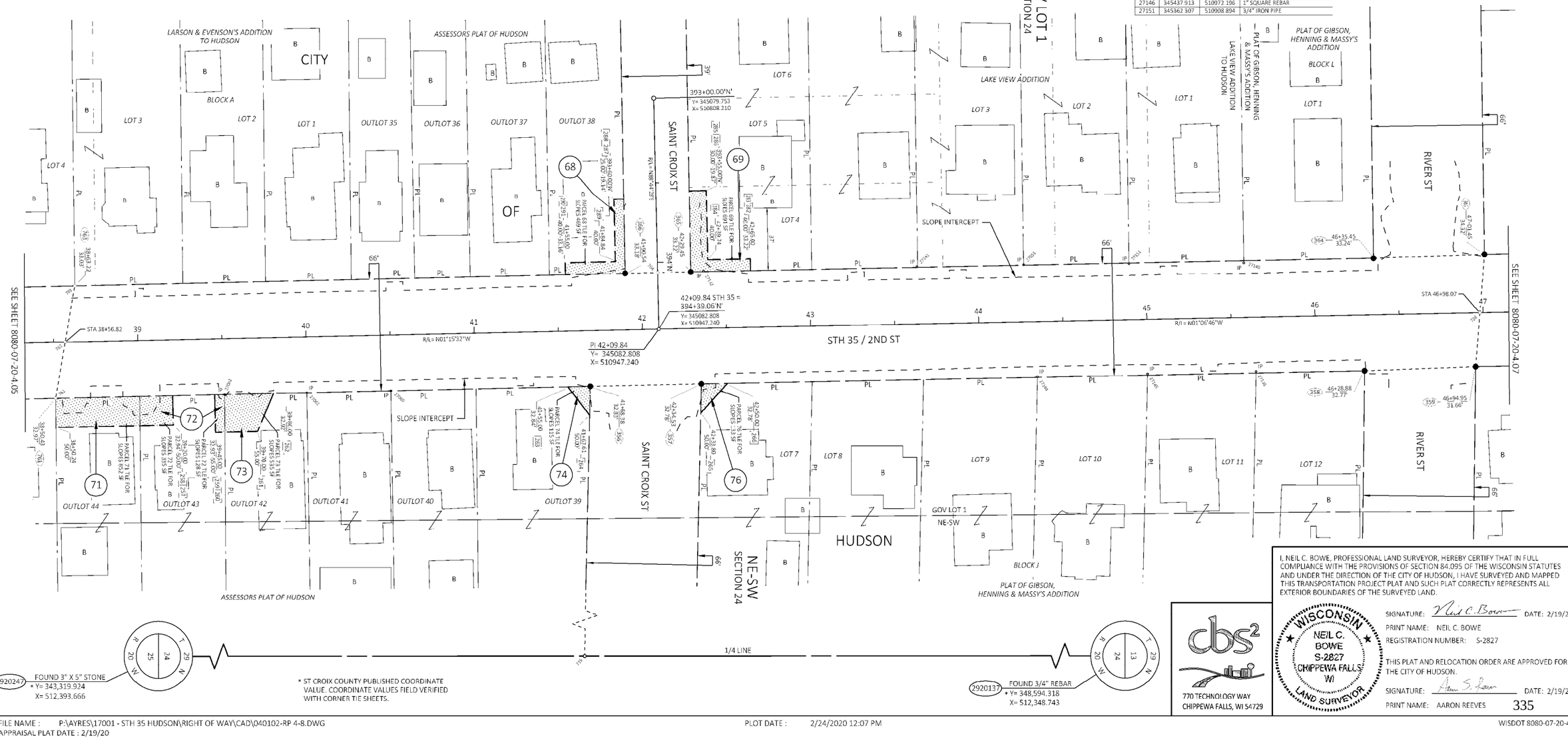
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8080-07-20-4.06

RECOVERED MONUMENTS

POINT	Y	X	DESCRIPTION
27053	345299.653	510909.537	1 1/4" REBAR
27060	344923.515	510983.633	1 1/4" IRON PIPE
27061	344873.565	510984.790	1 1/4" IRON PIPE
27062	344824.681	510986.045	1" IRON PIPE
27140	345430.579	510908.439	3/4" REBAR
27141	345236.223	510910.688	1 1/4" IRON PIPE LEANING SOUTH
27142	345109.417	510913.135	1" IRON PIPE
27144	345307.911	510975.227	1 1/4" IRON PIPE
27145	345573.382	510973.589	1 1/4" IRON PIPE
27146	345437.913	510972.196	1" SQUARE REBAR
27151	345362.307	510908.894	3/4" IRON PIPE

N

SCALE, FEET
0 30 60



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 CITY OF HUDSON, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Neil C. Bowe DATE: 2/19/20
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF HUDSON.

SIGNATURE: Aaron S. Reeves DATE: 2/19/20
PRINT NAME: AARON REEVES

WISCONSIN NEIL C. BOWE S-2827 CHIPPEWA FALLS WI LAND SURVEYOR

cbs2
770 TECHNOLOGY WAY
CHIPPEWA FALLS, WI 54729

2920247 FOUND 3" X 5" STONE
* Y= 343,319.924
X= 512,393.666

* ST CROIX COUNTY PUBLISHED COORDINATE VALUE. COORDINATE VALUES FIELD VERIFIED WITH CORNER TIE SHEETS.

2920137 FOUND 3/4" REBAR
* Y= 348,594.318
X= 512,348.743

335

TRANSPORTATION PROJECT PLAT NO: 8080-07-20-4.07

THAT PART OF LOTS 1, 3, 4 AND 5 OF BLOCK K, LOTS 7 AND 12 OF BLOCK I, PLAT OF GIBSON, HENNING & MASSEY'S ADDITION, LOCATED IN AND INCLUDING PART OF GOVERNMENT LOT 1, ALL IN SECTION 24, TOWNSHIP 29 NORTH, RANGE 20 WEST, CITY OF HUDSON, ST CROIX COUNTY, WISCONSIN.

RELOCATION ORDER STH 35 CITY OF HUDSON, SECOND STREET; VILLAGE NORTH HUDSON, 6TH STREET (COULEE RD - NORTH END RD), ST CROIX COUNTY.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF HUDSON DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

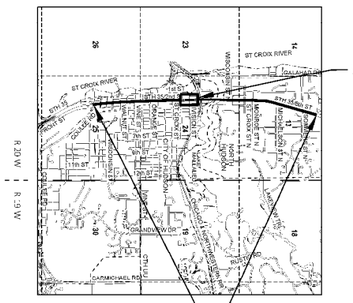
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF HUDSON HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF HUDSON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 35	PLAT OF GIBSON, HENNING & MASSY'S ADDITION	1856
STH 35	PLAT OF BOODY STAPLES & CO'S ADDITION	1856

LOCATION SKETCH

NOT TO SCALE



FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN ST CROIX COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1095850.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ST CROIX COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 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 CITY OF HUDSON.

COURSE TABLE

FROM	TO	DIRECTION	DISTANCE
2920247	730	N 00° 29' 17" W	2622.86'
730	27052	N 89° 23' 08" W	1408.41'
27052	360	N 01° 19' 22" W	66.04'
360	367	N 00° 59' 38" W	321.48'
367	368	N 18° 24' 21" E	69.24'
368	738	S 88° 51' 37" W	89.00'
738	361	S 00° 59' 38" E	384.60'
361	362	S 01° 19' 24" E	66.14'
362	363	S 00° 57' 09" E	384.90'
363	359	S 85° 29' 07" E	66.30'
359	27052	N 00° 57' 09" W	389.40'

COURSE TABLE - SEGMENTS

FROM	TO	DIRECTION	DISTANCE
368	779	S 88° 51' 37" W	56.50'
779	738	S 88° 51' 37" W	32.50'
363	728	S 85° 29' 07" E	34.49'
728	359	S 85° 29' 07" E	31.81'

COURSE TABLE - 1/4 LINE

FROM	TO	DIRECTION	DISTANCE
730	2920137	N 00° 29' 17" W	2651.73'
2920137	2920247	S 00° 29' 17" E	5274.59'

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SF REQUIRED			TLE SF
			NEW	EXISTING	TOTAL	
77	DIANE L TOBERMAN	TLE	-	-	-	117
78	MARK R JEPPERSON	TLE	-	-	-	34
79	DAVID M SANDEKIAN	TLE	-	-	-	159
-	-	-	-	-	-	-
81	BRADLEY J TONSFELDT	TLE	-	-	-	38
82	REBECCA OLSON & JOSEPH KAPPERS	TLE	-	-	-	92
83	KIMBERLY E JOHNSON	TLE	-	-	-	330

1097858
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
RECEIVED FOR RECORD
02/26/2020 03:42 PM
EXEMPT #
PLAT FEE 25.00
VOLUME: TPP1
PAGES: 173
PAGES: 1
****The above recording information verifies that this document has been electronically recorded & returned to the submitter**

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8080-07-20-4.07

RECOVERED MONUMENTS

POINT	Y	X	DESCRIPTION
27048	346216.512	510891.931	3/4" IRON PIPE
27052	345957.794	510962.998	1 1/4" IRON PIPE
27133	346138.335	510893.555	1" IRON PIPE
27134	346088.171	510894.566	1" IRON PIPE (CRIMP/BENT)
27136	345891.844	510898.168	1 1/4" IRON PIPE LEANING NORTH
27137	345762.289	510900.813	1" IRON PIPE IN CONC
27138	345633.884	510903.574	1 1/4" IRON PIPE
27147	345826.254	510965.185	1 1/4" IRON PIPE
27148	345891.568	510963.958	1 1/4" IRON PIPE

N

SCALE, FEET
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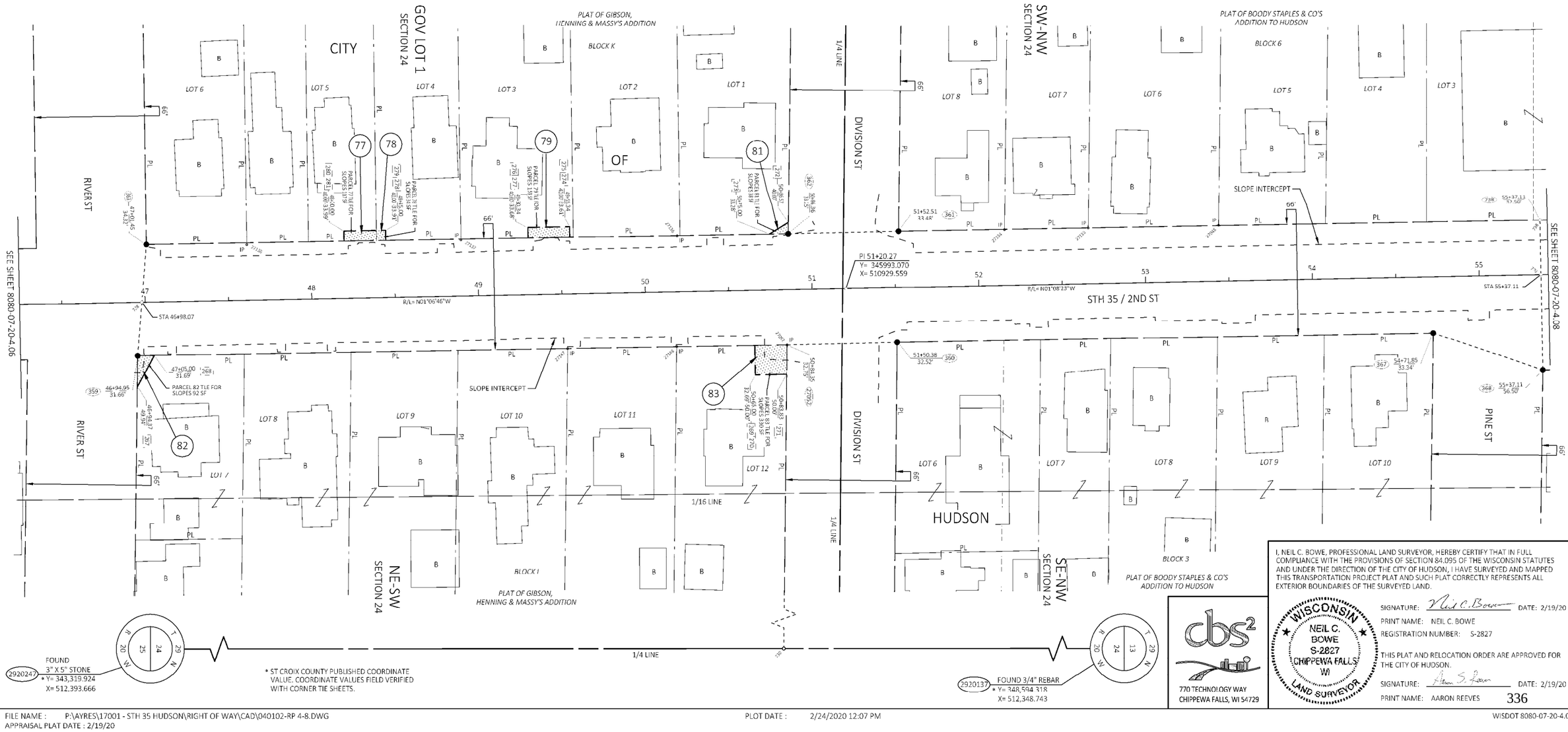


FOUND 3" X 5" STONE
2920247
* Y= 343,319.924
X= 512,393.666

* ST CROIX COUNTY PUBLISHED COORDINATE VALUE. COORDINATE VALUES FIELD VERIFIED WITH CORNER TIE SHEETS.

FOUND 3/4" REBAR
2920137
* Y= 348,594.318
X= 512,348.743

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 CITY OF HUDSON, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN NEIL C. BOWE S-2827 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: Neil C. Bowe DATE: 2/19/20
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF HUDSON.

SIGNATURE: Aaron S. Reeves DATE: 2/19/20
PRINT NAME: AARON REEVES

336

TRANSPORTATION PROJECT PLAT NO: 8080-07-20-4.08

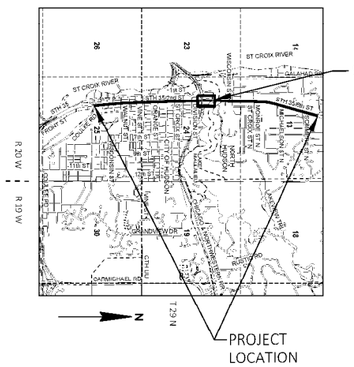
LOCATED IN PART OF THE SW 1/4 OF THE NW 1/4, SECTION 24, TOWNSHIP 29 NORTH, RANGE 20 WEST, CITY OF HUDSON, ST CROIX COUNTY, WISCONSIN.

STH 35 CITY OF HUDSON, SECOND STREET; VILLAGE NORTH HUDSON, 6TH STREET (COULEE RD - NORTH END RD), ST CROIX COUNTY.

THE CITY OF HUDSON HAS DEEMED IT NECESSARY TO MONUMENT RIGHT-OF-WAY INTERESTS PREVIOUSLY ACQUIRED UNDER SECTION 62.22 OF THE WISCONSIN STATE STATUTES AND DOES HEREBY CERTIFY THE CITY OF HUDSON HAS SURVEYED THE HIGHWAY RIGHT-OF-WAY; THAT THIS PLAT IS A TRUE AND CORRECT REPRESENTATION OF THE EXTERIOR BOUNDARIES OF THE LAND SURVEYED AND SHOWS ACCURATE MEASUREMENTS THEREOF.

LOCATION SKETCH

NOT TO SCALE



ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 35	R/W PLAT 8080-00-21	1978
STH 35	ASSESSORS PLAT OF HUDSON	1930
STH 35	RIGHT OF WAY AND TRACK MAP	1917
STH 35	PLAT OF BOODY STAPLES & CO'S ADDITION	1856

COURSE TABLE

FROM	TO	DIRECTION	DISTANCE
2920137	736	S 00° 29' 17" E	1696.58'
736	737	S 89° 00' 22" W	1416.67'
737	371	N 00° 59' 38" W	229.75'
371	372	N 17° 43' 12" E	18.24'
372	373	N 47° 23' 44" E	97.14'
373	374	N 08° 35' 12" E	145.78'
374	387	N 86° 29' 10" W	170.99'
387	389	S 01° 15' 45" E	180.32'
389	390	S 03° 05' 41" W	36.00'
390	391	S 86° 54' 19" E	50.68'
391	738	S 00° 59' 38" E	674.33'
738	368	N 88° 51' 37" E	89.00'
368	369	N 00° 59' 38" W	64.03'
369	370	N 89° 12' 14" W	23.01'
370	737	N 00° 59' 38" W	308.00'

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN ST CROIX COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1095850.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ST CROIX COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 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 CITY OF HUDSON.

UTILITY INFORMATION IS NOT SHOWN ON THIS PLAT.

COURSE TABLE - SEGMENTS

FROM	TO	DIRECTION	DISTANCE
374	780	N 86° 29' 10" W	76.51'
780	387	N 86° 29' 10" W	94.48'
389	765	S 03° 05' 41" W	17.21'
765	390	S 03° 05' 41" W	18.79'
738	779	N 88° 51' 37" E	32.50'
779	368	N 88° 51' 37" E	56.50'

COURSE TABLE - 1/4 LINE

FROM	TO	DIRECTION	DISTANCE
2920247	736	N 00° 29' 17" W	3578.01'
2920137	2920247	S 00° 29' 17" E	5274.59'

1097859
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
RECEIVED FOR RECORD
02/26/2020 03:46 PM
EXEMPT #
PLAT FEE 25.00

VOLUME: TPP1
PAGES: 174
PAGES: 1
****The above recording information verifies that this document has been electronically recorded & returned to the submitter**

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8080-07-20-4.08

N

SCALE, FEET
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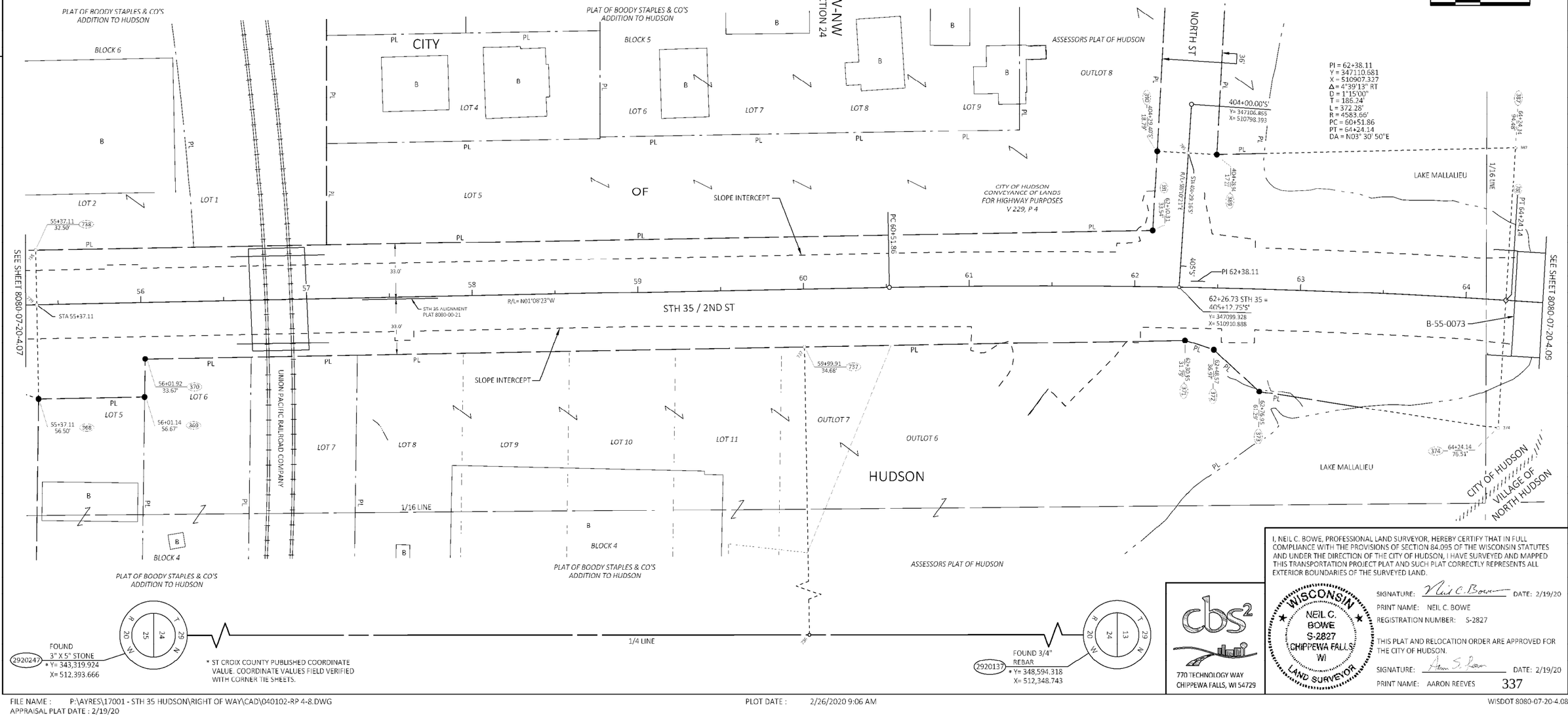


I, NEIL C. BOWE, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF HUDSON, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Neil C. Bowe DATE: 2/19/20
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF HUDSON.

SIGNATURE: Aaron S. Reeves DATE: 2/19/20
PRINT NAME: AARON REEVES

337

cbs2
770 TECHNOLOGY WAY
CHIPPEWA FALLS, WI 54729

WISCONSIN NEIL C. BOWE S-2827 CHIPPEWA FALLS WI LAND SURVEYOR

FILE NAME : P:\AYRES\17001 - STH 35 HUDSON\RIGHT OF WAY\CAD\040102-RP 4-8.DWG
APPRAISAL PLAT DATE : 2/19/20

PLOT DATE : 2/26/2020 9:06 AM

WISDOT 8080-07-20-4.08

TRANSPORTATION PROJECT PLAT NO: 8080-07-20-4.09

LOCATED IN PART OF THE NW 1/4 OF THE NW 1/4, SECTION 24, TOWNSHIP 29 NORTH, RANGE 20 WEST, VILLAGE OF NORTH HUDSON, ST CROIX COUNTY, WISCONSIN.

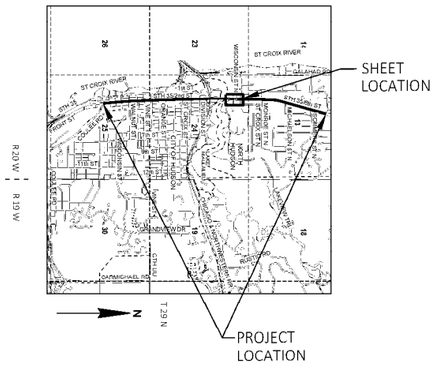
STH 35 CITY OF HUDSON, SECOND STREET; VILLAGE NORTH HUDSON, 6TH STREET (COULEE RD - NORTH END RD), ST CROIX COUNTY.

THE STATE OF WISCONSIN HAS DEEMED IT NECESSARY TO MONUMENT RIGHT-OF-WAY INTERESTS PREVIOUSLY ACQUIRED UNDER SECTIONS 82.01, 82.31(1), 82.31(2), AND 84.09 OF THE WISCONSIN STATE STATUTES AND DOES HEREBY CERTIFY THE DEPARTMENT OF TRANSPORTATION HAS SURVEYED THE HIGHWAY RIGHT-OF-WAY; THAT THIS PLAT IS A TRUE AND CORRECT REPRESENTATION OF THE EXTERIOR BOUNDARIES OF THE LAND SURVEYED AND SHOWS ACCURATE MEASUREMENTS THEREOF.

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 35	R/W PLAT 8080-08-21	1987
STH 35	R/W PLAT 8080-0-21	1978
STH 35	DIVISION JOB NO 6230	-
STH 35	THORN ADDITION TO VILLAGE OF NORTH HUDSON	1934
STH 35	ASSESSORS PLAT OF THE VILLAGE OF NORTH HUDSON	1929

LOCATION SKETCH

NOT TO SCALE



COURSE TABLE			
FROM	TO	DIRECTION	DISTANCE
2920137	739	S 00° 29' 17" E	426.52'
739	27046	N 89° 11' 32" W	1345.04'
27046	378	N 02° 15' 33" W	66.09'
378	380	N 88° 55' 57" W	72.00'
380	381	S 01° 08' 38" W	66.00'
381	382	S 43° 46' 12" E	12.84'
382	27045	S 06° 31' 47" W	91.11'
27045	383	S 19° 15' 21" W	169.42'
383	384	S 32° 07' 16" W	110.64'
384	385	S 13° 20' 02" W	145.18'
385	741	S 86° 29' 10" E	160.92'
741	742	S 03° 30' 50" W	75.35'
742	375	S 86° 29' 10" E	93.03'
375	376	N 02° 25' 41" W	211.95'
376	377	N 05° 06' 30" W	50.40'
377	27046	N 01° 44' 35" W	322.27'

COURSE TABLE - 1/4 LINE			
FROM	TO	DIRECTION	DISTANCE
739	2920247	S 00° 29' 17" E	4848.07'
2920247	2920137	N 00° 29' 17" W	5274.59'

FOR ADDITIONAL INFORMATION REFER TO TITLE SHEET, RECORDED AS SHEET 2 OF 2.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ST CROIX 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 DL4290.

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 THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN THE NW REGION.

UTILITY INFORMATION IS NOT SHOWN ON THIS PLAT.

COURSE TABLE - SEGMENTS			
FROM	TO	DIRECTION	DISTANCE
378	740	N 88° 55' 57" W	28.93'
740	380	N 88° 55' 57" W	43.07'

RECOVERED MONUMENTS			
POINT	Y	X	DESCRIPTION
27045	348088.372	510930.078	3/4" IRON PIPE W/OCAP RLS14889
27046	348186.769	511007.469	3/4" REBAR
27047	348061.719	511011.275	3/4" REBAR
27131	347961.547	511015.522	3/4" REBAR

1095850
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
RECEIVED FOR RECORD
01/21/2020 11:04 AM
EXEMPT #
PLAT FEE 25.00

VOLUME: TPP1
PAGES: 163
PAGES: 2
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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8080-07-20-4.09
SHEET 1 OF 2

N

SCALE, FEET
0 30 60

4

CITY OF HUDSON
VILLAGE OF NORTH HUDSON

LAKE MALLALIEU

VILLAGE OF NORTH HUDSON

NW-NW SECTION 24

NE-NW SECTION 24

B-55-0073

SEE SHEET 8080-07-20-4.08

SEE SHEET 8080-07-20-4.10

SLOPE INTERCEPT

SLOPE INTERCEPT

STH 35 ALIGNMENT R/W PLAT 8080-0-21

STH 35 ALIGNMENT DIVISION JOB NO 6230

STH 35 ALIGNMENT R/W PLAT 8080-08-21

STA 67+36.54

STA 68+11.90

STA 73+82.66

R/L= N03°30'50"E

R/L= N00°53'19"E

PI 73+48.79
Δ = 2°37'31" LT
Y = 348219.480
X = 510975.414

68+11.90 160.92' 385

69+54.95 136.15' 384

70+52.08 83.18' 383

69+47.36 71.08' 376

69+97.19 63.53' 377

67+36.54 93.03' 375

73+15.15 37.21' 27045

73+14.85 21.85' 381

73+06.14 37.42' 382

73+82.80 43.07' 380

73+18.34 34.03' 27046

73+82.57 28.93' 378

1/16 LINE

1/4 LINE

SOUTH ST

WISCONSIN ST N

OUTLOT 62

OUTLOT 61

OUTLOT 60

ASSESSORS PLAT OF THE VILLAGE OF NORTH HUDSON

THORN ADDITION TO VILLAGE OF NORTH HUDSON

LOT 9 LOT 12 LOT 13 LOT 15 LOT 16 LOT 17 LOT 18 LOT 19

B

PL

120'

72.67'

42'

50'

66'

30'

NORTH HUDSON

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 DEPARTMENT, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN NEIL C. BOWE S-2827 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: Neil C. Bowe DATE: 1/9/20

PRINT NAME: NEIL C. BOWE

REGISTRATION NUMBER: S-2827

THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION - NW REGION.

SIGNATURE: Debra B. Stensland DATE: 1/9/20

PRINT NAME: DEBRA B. STENSLAND

cbs2
770 TECHNOLOGY WAY
CHIPPEWA FALLS, WI 54729

2920247 FOUND 3" X 5" STONE
* Y= 343,319.924
X= 512,393.666

T 29 N R 20 W S 25 24

* ST CROIX COUNTY PUBLISHED COORDINATE VALUE. COORDINATE VALUES FIELD VERIFIED WITH CORNER TIE SHEETS.

2920137 FOUND 3/4" REBAR
* Y= 348,594.318
X= 512,348.743

T 29 N R 20 W S 24 13

338

FILE NAME : P:\AYRES\17001 - STH 35 HUDSON\RIGHT OF WAY\CAD\040103-RP 9-15.DWG
APPRAISAL PLAT DATE : 1/9/20

PLOT DATE : 1/17/2020 1:28 PM

WISDOT 8080-07-20-4.09

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
8080-07-20
CITY OF HUDSON, SECOND STREET; VILLAGE NORTH HUDSON, 6TH STREET
COULEE RD - NORTH END RD
STH 35
ST CROIX 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 INTERSECTION	PI
ACRES	AC	PROPERTY LINE	PL
AHEAD	AH	RECORDED AS	(100')
ALUMINUM	ALUM	REEL / IMAGE	R/I
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CENTERLINE	C/L	RIGHT	RT
CERTIFIED SURVEY MAP	CSM	RIGHT OF WAY	R/W
CONCRETE	CONC	SECTION	SEC
COUNTY	CO	SEPTIC VENT	SEPV
COUNTY TRUNK HIGHWAY	CTH	SQUARE FEET	SF
DISTANCE	DIST	STATE TRUNK HIGHWAY	STH
CORNER	COR	STATION	STA
DOCUMENT NUMBER	DOC	TELEPHONE PEDESTAL	TP
EASEMENT	EASE	TEMPORARY LIMITED EASEMENT	TLE
EXISTING	EX	TRANSPORTATION PROJECT PLAT	TPP
GAS VALVE	GV	UNITED STATES HIGHWAY	USH
GRID NORTH	GN	VOLUME	V
HIGHWAY EASEMENT	HE		
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY NUMBER	NGS NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		
POINT OF COMPOUND CURVE	PCC		

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

W — WATER
G — GAS
T — TELEPHONE
OH — OVERHEAD TRANSMISSION LINES
E — ELECTRIC
TV — CABLE TELEVISION
FO — FIBER OPTIC
SAN — SANITARY SEWER
SS — STORM SEWER

THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 8080-07-20.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ST CROIX 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 DL4290.

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 THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN THE NW REGION.

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 8080-07-20-4.09
SHEET 2 OF 2
AMENDMENT NO: 339

TRANSPORTATION PROJECT PLAT NO: 8080-07-20-4.10

THAT PART OF LOTS 11 THRU 21 OF BLOCK E, PART OF LOTS 28 THRU 30, PART OF LOTS 33 THRU 36 AND PART OF LOTS 38 AND 39 OF BLOCK F, PLAT OF NORTH HUDSON, LOCATED IN PART OF THE NW 1/4 OF THE NW 1/4, AND PART OF LOTS 27 AND 28, PART OF LOTS 33 THRU 36, AND PART OF LOTS 38 AND 39 OF BLOCK F, PLAT OF NORTH HUDSON, LOCATED IN PART OF THE NE 1/4 OF THE NW 1/4, ALL IN SECTION 24; THAT PART OF LOTS 3 THRU 5 AND LOTS 7 THRU 9 OF BLOCK E, AND PART OF LOTS 39 THRU 43, AND PART OF LOTS 45 THRU 48 OF BLOCK F, PLAT OF NORTH HUDSON, LOCATED IN PART OF THE SW 1/4 OF THE SW 1/4, AND PART OF LOTS 39 THRU 43 AND PART OF LOTS 45 THRU 48 OF BLOCK F, PLAT OF NORTH HUDSON, LOCATED IN PART OF THE SE 1/4 OF THE SW 1/4, ALL IN SECTION 13; ALL IN TOWNSHIP 29 NORTH, RANGE 20 WEST, VILLAGE OF NORTH HUDSON, ST CROIX COUNTY, WISCONSIN.

RELOCATION ORDER STH 35 CITY OF HUDSON, SECOND STREET; VILLAGE NORTH HUDSON, 6TH STREET (COULEE RD - NORTH END RD), ST CROIX COUNTY.

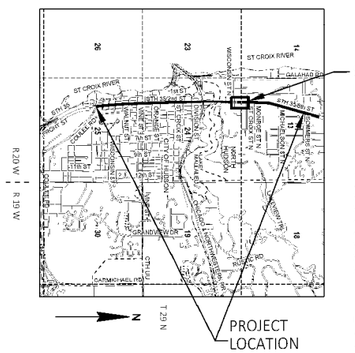
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), 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 ST CROIX COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1095850.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ST CROIX 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 DL4290.

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 THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN THE NW REGION.

COURSE TABLE

FROM	TO	DIRECTION	DISTANCE
2920137	743	N 89° 01' 02" W	1338.30'
743	392	N 00° 54' 31" E	233.81'
392	393	N 02° 13' 50" E	50.01'
393	401	N 86° 57' 55" W	60.04'
401	402	S 02° 13' 36" W	50.01'
402	379	S 00° 54' 31" W	588.38'
379	380	S 45° 59' 40" W	16.94'
380	378	S 88° 55' 57" E	72.00'
378	743	N 00° 54' 31" E	364.51'

COURSE TABLE - SEGMENTS

FROM	TO	DIRECTION	DISTANCE
393	744	N 86° 57' 55" W	30.33'
744	401	N 86° 57' 55" W	29.71'
380	740	S 88° 55' 57" E	43.07'
740	378	S 88° 55' 57" E	28.93'

COURSE TABLE - SECTION LINE

FROM	TO	DIRECTION	DISTANCE
743	745	N 89° 01' 02" W	29.06'
745	786	N 89° 01' 02" W	30.94'
786	2920136	N 89° 01' 02" W	1274.22'
2920136	2920137	S 89° 01' 02" E	2672.52'

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SF REQUIRED			TLE SF
			NEW	EXISTING	TOTAL	
86	PETER J & ANNE B YOUNG	TLE	-	-	-	514
87	ANTHONY ZEZZA	TLE	-	-	-	312
88	GREGORY A HANSEN	TLE	-	-	-	208
89	KEVIN A JOHNSON	TLE	-	-	-	142
-	-	-	-	-	-	-
91	PATRICIA A & RANDY W BAKER	TLE	-	-	-	252
92	JOANN REISINGER	TLE	-	-	-	121
93	NICHOLAS LISIECKI	TLE	-	-	-	456
94	KIRK E NELSON & ROCHELLE K ANDERSON	TLE	-	-	-	639
-	-	-	-	-	-	-
96	COURTNEY LESEMAN	TLE	-	-	-	341
97	ETHAN YOUNG	TLE	-	-	-	249
98	JULIE R MARKIE	TLE	-	-	-	513
99	BRENDA RUPLES	TLE	-	-	-	306
-	-	-	-	-	-	-
101	ANDREW J KUDRLE	TLE	-	-	-	355
102	KAREN A OLSON	TLE	-	-	-	565

1096225
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
RECEIVED FOR RECORD
01/27/2020 01:44 PM
EXEMPT #
PLAT FEE 25.00
VOLUME: TPP1
PAGES: 165
PAGES: 1
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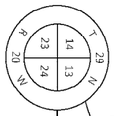
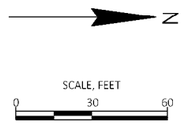
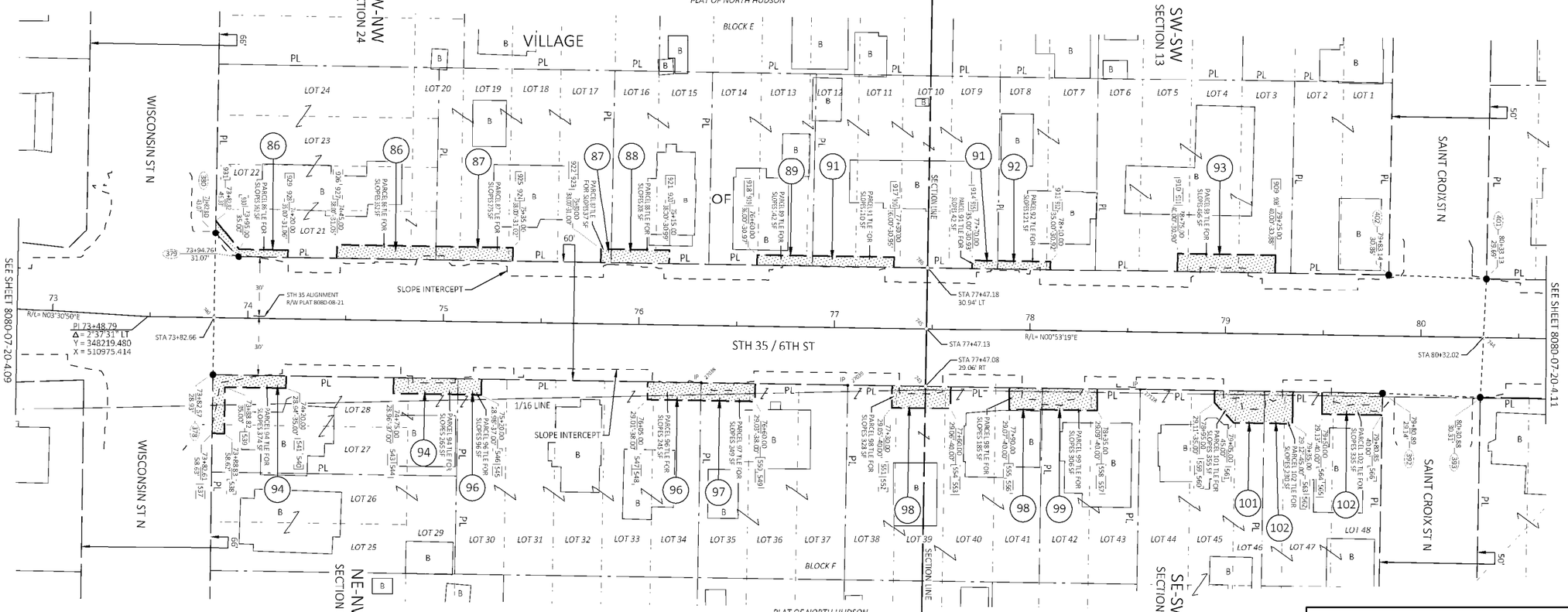
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8080-07-20-4.10





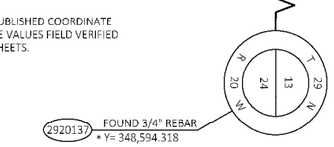


ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 35	R/W PLAT 8080-08-21	1987
STH 35	PLAT OF NORTH HUDSON	1856

RECOVERED MONUMENTS

POINT	Y	X	DESCRIPTION
27038	348502.573	511008.825	1/2" IRON PIPE
27039	348577.486	511010.162	1" IRON PIPE
27128	348727.083	511012.386	1" IRON PIPE

* ST CROIX COUNTY PUBLISHED COORDINATE VALUE. COORDINATE VALUES FIELD VERIFIED WITH CORNER TIE SHEETS.



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 DEPARTMENT, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Neil C. Bowe DATE: 1/9/20
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

SIGNATURE: Debra B. Stensland DATE: 1/9/20
PRINT NAME: DEBRA B. STENSLAND

cbs2
770 TECHNOLOGY WAY
CHIPPEWA FALLS, WI 54729

WISCONSIN NEIL C. BOWE S-2827 CHIPPEWA FALLS WI LAND SURVEYOR

TRANSPORTATION PROJECT PLAT NO: 8080-07-20-4.11

THAT PART OF LOT 24 OF BLOCK H, PLAT OF NORTH HUDSON, AND PART OF LOTS 1 THRU 8 OF BLOCK 2, WHITTEN'S ADDITION TO NORTH HUDSON, PART OF LOTS 143 AND 144 OF THE FIRST AMENDMENT OF THE ASSESSOR'S PLAT OF THE VILLAGE OF NORTH HUDSON, PART OF LOT 2 OF CSM 9-2650, V 9, P 2650, DOC 502811, PART OF LOT 2 OF CSM 7-2091, V 7, P 2091, DOC 447449, PART OF LOT 25 OF BLOCK G, PLAT OF NORTH HUDSON, AND PART OF LOTS 9, 12, 13 AND 14 OF BLOCK 3, WHITTEN'S ADDITION TO NORTH HUDSON, LOCATED IN PART OF THE SW 1/4 OF THE SW 1/4; THAT PART OF LOT 25 OF BLOCK G, PLAT OF NORTH HUDSON, PART OF LOTS 9, 12, 13 AND 14 OF BLOCK 3, WHITTEN'S ADDITION TO NORTH HUDSON, PART OF LOT 1 OF CSM 5-1265, V 5, P 1265, DOC 383508, AND PART OF OUTLOTS 31 AND 32 OF THE ASSESSORS PLAT OF THE VILLAGE OF NORTH HUDSON, LOCATED IN PART OF THE SE 1/4 OF THE SW 1/4, ALL IN SECTION 13, TOWNSHIP 29 NORTH, RANGE 20 WEST, VILLAGE OF NORTH HUDSON, ST CROIX COUNTY, WISCONSIN.

RELOCATION ORDER STH 35 CITY OF HUDSON, SECOND STREET; VILLAGE NORTH HUDSON, 6TH STREET (COULEE RD - NORTH END RD), ST CROIX COUNTY.

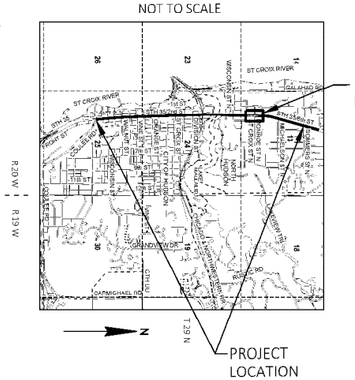
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), 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 ST CROIX COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1095850.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ST CROIX 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 DL4290.

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 THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN THE NW REGION.

COURSE TABLE			
FROM	TO	DIRECTION	DISTANCE
2920137	746	N 00° 37' 54" E	643.08'
746	395	N 88° 45' 11" W	1304.62'
395	396	N 00° 06' 07" W	50.01'
396	27583	N 39° 19' 57" W	36.80'
27583	773	N 03° 25' 39" E	324.29'
773	775	N 86° 35' 47" W	66.00'
775	404	S 03° 25' 39" W	199.66'
404	405	S 86° 34' 52" E	3.00'
405	397	S 03° 25' 39" W	130.34'
397	398	S 47° 33' 57" W	28.59'
398	399	S 07° 15' 16" W	45.88'
399	400	S 43° 49' 30" E	33.77'
400	401	S 00° 49' 35" W	348.94'
401	393	S 86° 57' 55" E	60.04'
393	421	N 00° 49' 35" E	329.12'
421	422	N 18° 55' 54" E	16.30'
422	395	N 51° 13' 44" E	32.31'

COURSE TABLE - 1/4 LINE			
FROM	TO	DIRECTION	DISTANCE
746	2920127	N 00° 37' 54" E	4605.34'
2920127	2920137	S 00° 37' 54" W	5248.42'

COURSE TABLE - SEGMENTS			
FROM	TO	DIRECTION	DISTANCE
773	774	N 86° 35' 47" W	33.04'
774	775	N 86° 35' 47" W	32.96'
401	744	S 86° 57' 55" E	29.71'
744	393	S 86° 57' 55" E	30.33'

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SF REQUIRED			TLE SF
			NEW	EXISTING	TOTAL	
103	DAVID D ALWIN	TLE	-	-	-	1227
104	413 6TH ST N LLC	TLE	-	-	-	785
-	-	-	-	-	-	-
106	T CAMEL LLC	FEE, TLE	80	-	80	667
107	JAMES J THULL	TLE	-	-	-	599
108	JANINE M NEWHOUSE	TLE	-	-	-	325
109	JAMES W BECHEL REVOCABLE TRUST	TLE	-	-	-	622
-	-	-	-	-	-	-
111	EDWARD R ANDERSON	TLE	-	-	-	495
112	DENNIS R LANGER	FEE, TLE	29	-	29	147
113	DENNIS R & MARY J LANGER	TLE	-	-	-	1661
114	AMBER YOCOM-STROMBECK & NATHANIEL KIRKPATRICK	TLE	-	-	-	347
-	-	-	-	-	-	-
116	ANNETTE KINNEY	TLE	-	-	-	163

1096229
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
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01/27/2020 01:59 PM
EXEMPT #
PLAT FEE 25.00
VOLUME: TPP1
PAGES: 166
PAGES: 1
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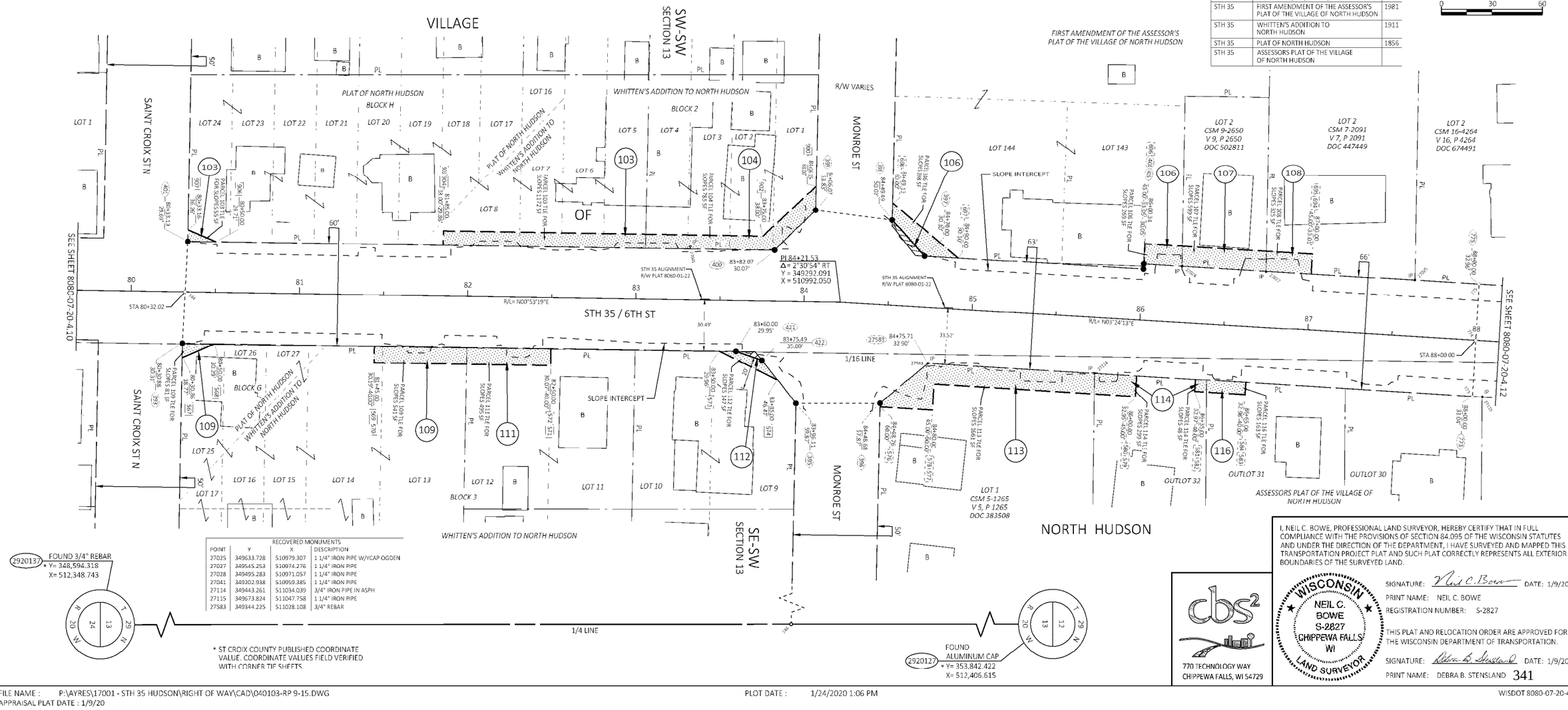
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8080-07-20-4.11

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 35	CSM 16-4264, V 16, P 4264, DOC 674491	2000
STH 35	R/W PLAT 8080-01-22	2000
STH 35	CSM 9-2650, V 9, P 2650, DOC 502811	1993
STH 35	CSM 7-2091, V 7, P 2091, DOC 447449	1988
STH 35	R/W PLAT 8080-08-21	1987
STH 35	CSM 5-1265, V 5, P 1265, DOC 383508	1983
STH 35	FIRST AMENDMENT OF THE ASSESSOR'S PLAT OF THE VILLAGE OF NORTH HUDSON	1981
STH 35	WHITTEN'S ADDITION TO NORTH HUDSON	1911
STH 35	PLAT OF NORTH HUDSON	1856
STH 35	ASSESSORS PLAT OF THE VILLAGE OF NORTH HUDSON	

SCALE, FEET
0 30 60



RECOVERED MONUMENTS			
POINT	Y	X	DESCRIPTION
27025	349633.728	510979.307	1 1/4" IRON PIPE W/YCAP OGDEN
27027	349545.253	510974.276	1 1/4" IRON PIPE
27028	349495.283	510971.057	1 1/4" IRON PIPE
27041	349202.938	510959.385	1 1/4" IRON PIPE
27114	349443.261	511034.039	3/4" IRON PIPE IN ASPH
27115	349673.824	511047.758	1 1/4" IRON PIPE
27583	349344.225	511028.108	3/4" REBAR

2920137 FOUND 3/4" REBAR
* Y= 348,594.318
X= 512,348.743

* ST CROIX COUNTY PUBLISHED COORDINATE VALUE. COORDINATE VALUES FIELD VERIFIED WITH CORNER TIE SHEETS.

2920127 FOUND ALUMINUM CAP
* Y= 353,842.422
X= 512,406.615

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 DEPARTMENT, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Neil C. Bowe DATE: 1/9/20
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

SIGNATURE: Debra B. Stensland DATE: 1/9/20
PRINT NAME: DEBRA B. STENSLAND 341

WISCONSIN NEIL C. BOWE S-2827 CHIPPEWA FALLS WI LAND SURVEYOR

cbs² 770 TECHNOLOGY WAY CHIPPEWA FALLS, WI 54729

FILE NAME : P:\AYRES\17001 - STH 35 HUDSON\RIGHT OF WAY\CAD\040103-RP 9-15.DWG
APPRAISAL PLAT DATE : 1/9/20
PLOT DATE : 1/24/2020 1:06 PM
WISDOT 8080-07-20-4.11

4

4

TRANSPORTATION PROJECT PLAT NO: 8080-07-20-4.12

THAT PART OF LOT 2, CSM 16-4264, V 16, P 4264, DOC 674491, LOTS 137 AND 138, FIRST AMENDMENT OF THE ASSESSOR'S PLAT OF THE VILLAGE OF NORTH HUDSON, LOCATED IN PART OF THE SW 1/4 OF THE SW 1/4, AND THAT PART OF OUTLOTS 28 THRU 30, ASSESSORS PLAT OF THE VILLAGE OF NORTH HUDSON, LOCATED IN PART OF THE SE 1/4 OF THE SW 1/4, AND PART OF LOT 2, CSM 4-936, V 4, P 936, DOC 364029, LOCATED IN PART OF THE NW 1/4 OF THE SW 1/4, AND PART OF LOTS 129 AND 130, FIRST AMENDMENT OF THE ASSESSOR'S PLAT OF THE VILLAGE OF NORTH HUDSON, OUTLOTS 25 THRU 28, ASSESSORS PLAT OF THE VILLAGE OF NORTH HUDSON, AND PART OF LOT 19, PERSELLS' ADDITION, LOCATED IN PART OF THE NE 1/4 OF THE SW 1/4, ALL IN SECTION 13, TOWNSHIP 29 NORTH, RANGE 20 WEST, VILLAGE OF NORTH HUDSON, ST CROIX COUNTY, WISCONSIN.

RELOCATION ORDER STH 35 CITY OF HUDSON, SECOND STREET; VILLAGE NORTH HUDSON, 6TH STREET (COULEE RD - NORTH END RD), ST CROIX COUNTY.

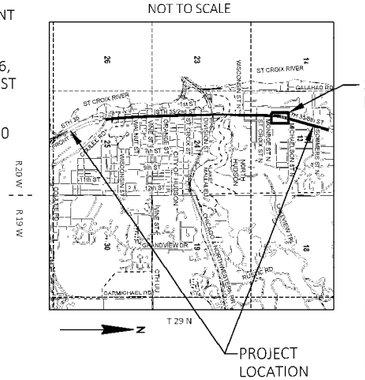
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), 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 ST CROIX COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1095850.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ST CROIX 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 DL4290.

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 THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN THE NW REGION.

COURSE TABLE			
FROM	TO	DIRECTION	DISTANCE
2920137	749	N 00° 37' 54" E	1258.95'
749	750	N 89° 22' 06" W	1303.25'
750	27030	N 03° 25' 39" E	103.48'
403	27033	N 15° 34' 23" E	242.94'
27033	27109	S 88° 07' 56" W	69.18'
27109	409	S 15° 34' 23" W	222.21'
27024	775	S 03° 25' 39" W	303.50'
775	773	S 86° 35' 47" E	66.00'
773	750	N 03° 25' 39" E	199.99'

COURSE TABLE - 1/4 LINE			
FROM	TO	DIRECTION	DISTANCE
749	2920127	N 00° 37' 54" E	3989.47'
2920127	2920137	S 00° 37' 54" W	5248.42'

COURSE TABLE - SEGMENTS			
FROM	TO	DIRECTION	DISTANCE
27033	754	S 88° 07' 56" W	34.56'
754	27109	S 88° 07' 56" W	34.62'
775	774	S 86° 35' 47" E	32.96'
774	773	S 86° 35' 47" E	33.04'

CURVE 27030-403
L= 297.73'
LCH= 297.17'
LCB= N09°27'35"E
R= 1399.39'

CURVE 409-27024
L= 311.72'
LCH= 311.13'
LCB= S09°27'41"W
R= 1465.39'

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SF REQUIRED			TLE SF
			NEW	EXISTING	TOTAL	
117	JEANNE JOHNSON	TLE	-	-	-	179
118	HENRY A & SUSAN A POMMERENING	TLE	-	-	-	624
119	SAWYER C ARNDT	TLE	-	-	-	437
-	-	-	-	-	-	-
121	BRIAN P MONTGOMERY	TLE	-	-	-	265
-	-	-	-	-	-	-
123	JASON GARY MOST AND JAY JAMES MOST	TLE	-	-	-	267
124	CARL E & GAIL M NORDEN	TLE	-	-	-	195
-	-	-	-	-	-	-
126	NICOLAS W & LISA A MEURETT	TLE	-	-	-	129
127	KATHERINE L ALBERG	TLE	-	-	-	149
128	JEFFREY A & JOY C LETENDRE	TLE	-	-	-	310
129	TORNING INVESTMENTS LLC	TLE	-	-	-	350
-	-	-	-	-	-	-
131	FREDERICK E BUTTKE	TLE	-	-	-	482
132	ERIC JOYCE	TLE	-	-	-	315
133	BUTLER RENTALS LLC	TLE	-	-	-	565
134	JAMES J BOSCHUETZ JR	TLE	-	-	-	599
-	-	-	-	-	-	-
136	JEFFREY A & DOREEN L CHAPIN	TLE	-	-	-	74

1096231
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
RECEIVED FOR RECORD
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EXEMPT #
PLAT FEE 25.00
VOLUME: TPP1
PAGES: 167
PAGES: 1
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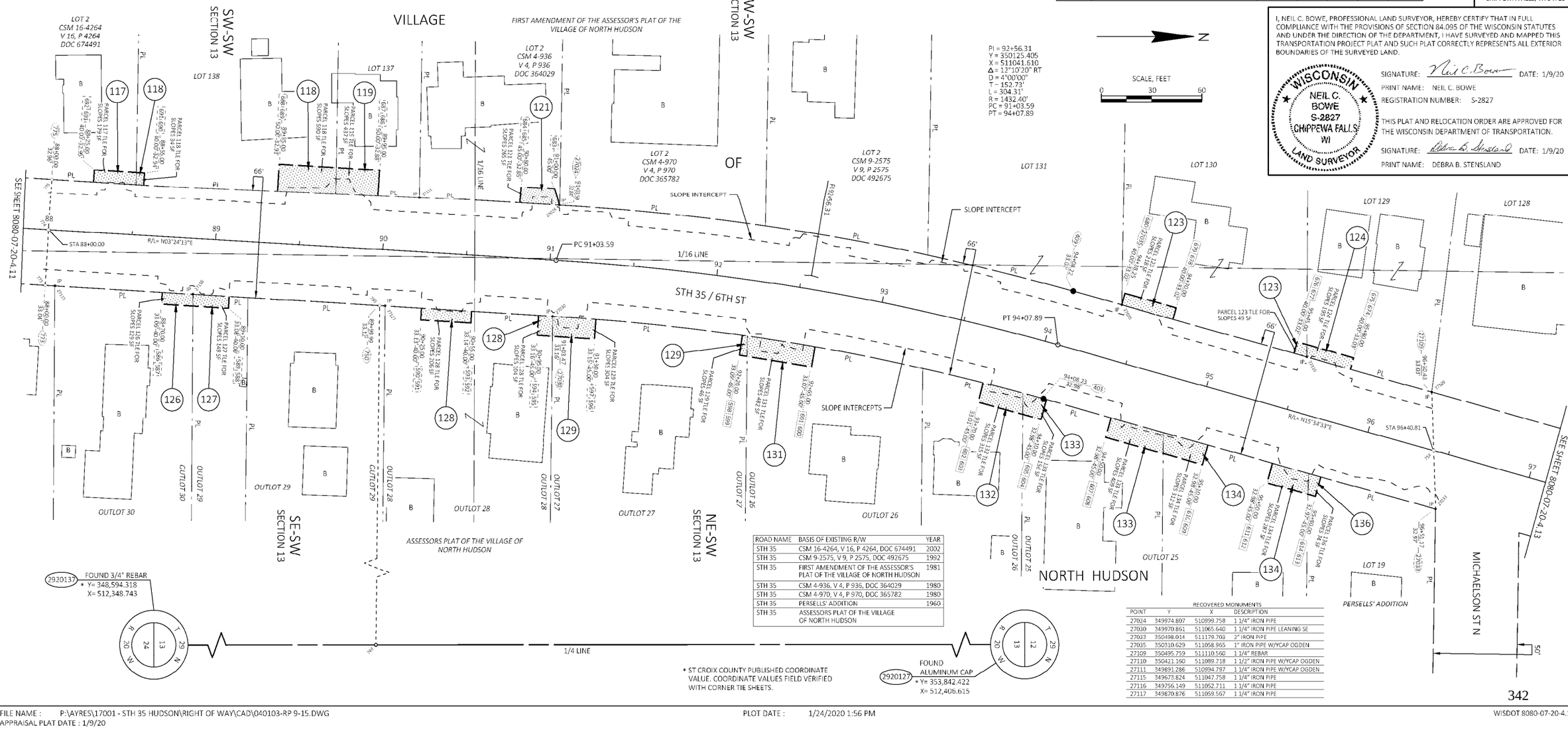
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8080-07-20-4.12

cbs2
770 TECHNOLOGY WAY
CHIPPEWA FALLS, WI 54729



ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 35	CSM 16-4264, V 16, P 4264, DOC 674491	2002
STH 35	CSM 9-2575, V 9, P 2575, DOC 492675	1992
STH 35	FIRST AMENDMENT OF THE ASSESSOR'S PLAT OF THE VILLAGE OF NORTH HUDSON	1981
STH 35	CSM 4-936, V 4, P 936, DOC 364029	1980
STH 35	CSM 4-970, V 4, P 970, DOC 365782	1980
STH 35	PERSELLS' ADDITION	1960
STH 35	ASSESSORS PLAT OF THE VILLAGE OF NORTH HUDSON	

* ST CROIX COUNTY PUBLISHED COORDINATE VALUE. COORDINATE VALUES FIELD VERIFIED WITH CORNER TIE SHEETS.

RECOVERED MONUMENTS			
POINT	Y	X	DESCRIPTION
27024	349974.807	510999.758	1 1/4" IRON PIPE
27030	349970.861	511065.640	1 1/4" IRON PIPE LEANING SE
27033	350498.014	511179.703	2" IRON PIPE
27035	350310.629	511058.965	1" IRON PIPE W/YCAP OGDEN
27109	350495.759	511110.560	1 1/4" REBAR
27110	350421.160	511089.718	1 1/2" IRON PIPE W/YCAP OGDEN
27111	349891.286	510994.797	1 1/4" IRON PIPE W/YCAP OGDEN
27115	349673.824	511047.758	1 1/4" IRON PIPE
27116	349756.149	511052.711	1 1/4" IRON PIPE
27117	349870.876	511059.567	1 1/4" IRON PIPE

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 DEPARTMENT, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN NEIL C. BOWE S-2827 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: Neil C. Bowe DATE: 1/9/20
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

SIGNATURE: Debra B. Stensland DATE: 1/9/20
PRINT NAME: DEBRA B. STENSLAND

TRANSPORTATION PROJECT PLAT NO: 8080-07-20-4.13

THAT PART OF LOTS 123 AND 128, FIRST AMENDMENT OF THE ASSESSOR'S PLAT OF THE VILLAGE OF NORTH HUDSON, PART OF LOT 1, PERSELLS' ADDITION, AND PART OF OUTLOTS 22 THRU 24, ASSESSORS PLAT OF THE VILLAGE OF NORTH HUDSON, LOCATED IN PART OF THE NE 1/4 OF THE SW 1/4, AND PART OF OUTLOT 22, ASSESSORS PLAT OF THE VILLAGE OF NORTH HUDSON, LOCATED IN PART OF THE SE 1/4 OF THE NW 1/4, ALL IN SECTION 13, TOWNSHIP 29 NORTH, RANGE 20 WEST, VILLAGE OF NORTH HUDSON, ST CROIX COUNTY, WISCONSIN.

RELOCATION ORDER STH 35 CITY OF HUDSON, SECOND STREET; VILLAGE NORTH HUDSON, 6TH STREET (COULEE RD - NORTH END RD), ST CROIX COUNTY.

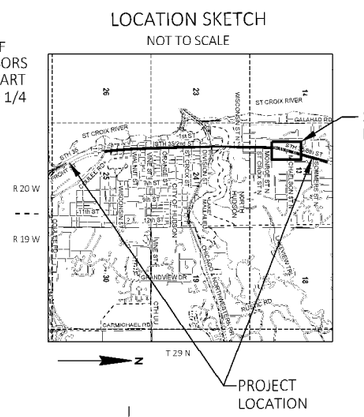
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), 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 ST CROIX COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1095850.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ST CROIX 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. N6S POINT UTILIZED WAS DL4290.

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 THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN THE NW REGION.

COURSE TABLE

FROM	TO	DIRECTION	DISTANCE
2920137	752	N 00° 37' 54" E	2517.58'
752	753	N 89° 22' 06" W	1022.67'
753	787	N 15° 34' 23" E	200.00'
787	782	N 74° 25' 27" W	66.00'
782	27109	S 15° 34' 23" W	869.57'
27109	27033	N 88° 07' 56" E	69.18'
27033	406	N 15° 34' 23" E	51.67'
406	753	N 15° 34' 23" E	597.16'

COURSE TABLE - SEGMENTS

FROM	TO	DIRECTION	DISTANCE
787	781	N 74° 25' 27" W	32.93'
781	782	N 74° 25' 27" W	33.07'
27109	754	N 88° 07' 56" E	34.62'
754	27033	N 88° 07' 56" E	34.56'

COURSE TABLE - 1/4 LINE

FROM	TO	DIRECTION	DISTANCE
752	2920127	N 00° 37' 54" E	2730.84'
2920127	2920137	S 00° 37' 54" W	5248.42'

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SF REQUIRED			TLE SF
			NEW	EXISTING	TOTAL	
137	DAVID R KRUEGER	TLE	-	-	-	514
138	THOMAS P & TAMI M DATWYLER	TLE	-	-	-	253
139	WILLIAM J & PAULA N KOTZ	TLE	-	-	-	80
-	-	-	-	-	-	-
141	LESTER C & LORI G RAYOME	TLE	-	-	-	96
142	JAMES & VIOLA SHEDORE	TLE	-	-	-	301
143	JANET M & JOHN PASTIAN	TLE	-	-	-	362
144	NORA ANN BETH JONES	TLE	-	-	-	362
-	-	-	-	-	-	-
146	DANIEL J & CAITLIN J MARTY	TLE	-	-	-	192
147	CRAIG BJORNSTAD	TLE	-	-	-	161
148	BRADLEY R HETLAND	TLE	-	-	-	212

1096238
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
RECEIVED FOR RECORD
01/27/2020 02:02 PM
EXEMPT #
PLAT FEE 25.00
VOLUME: TPP1
PAGES: 168
PAGES: 1
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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8080-07-20-4.13

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 DEPARTMENT, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN NEIL C. BOWE S-2827 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: _____ DATE: 1/9/20
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

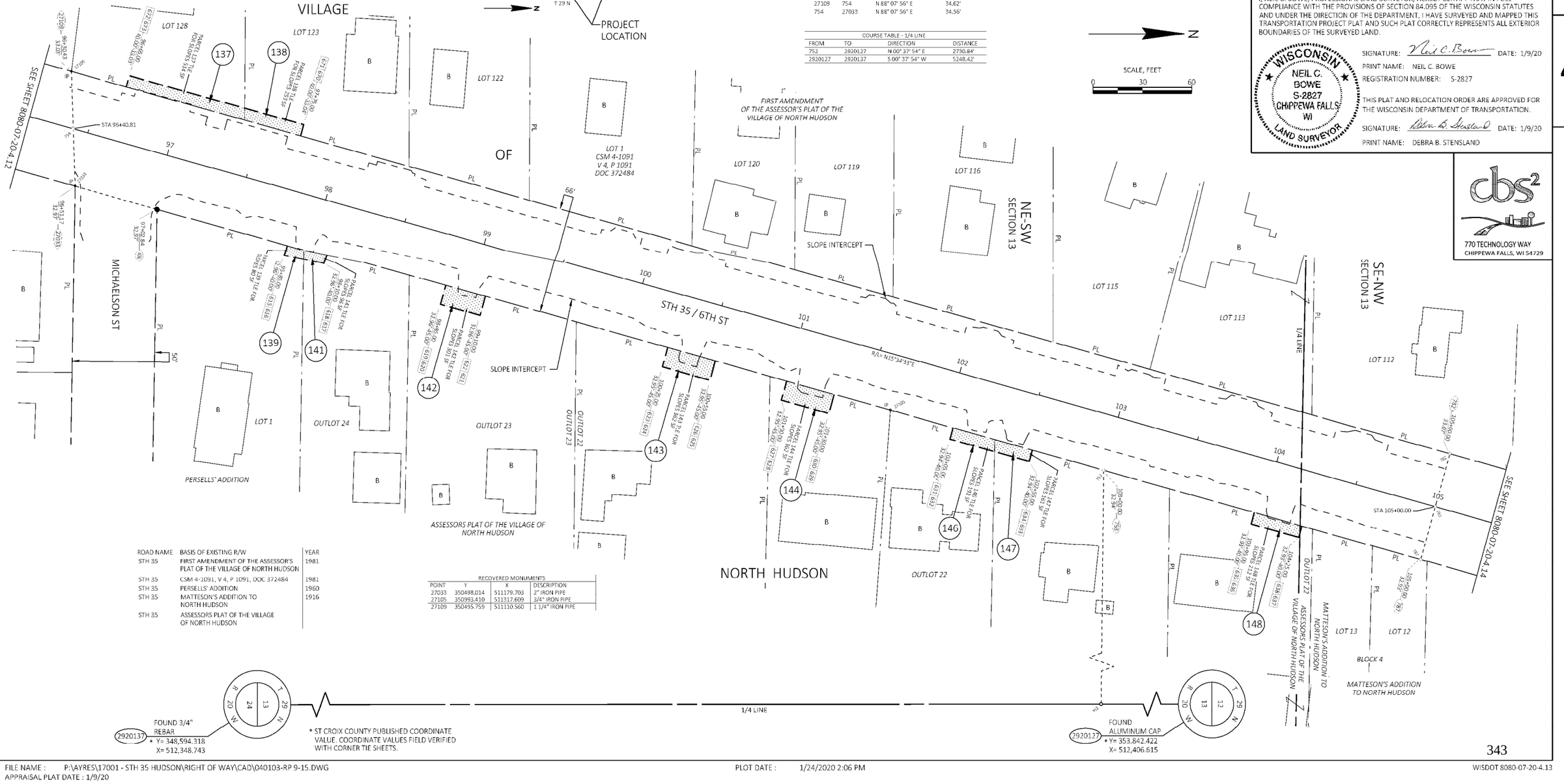
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

SIGNATURE: _____ DATE: 1/9/20
PRINT NAME: DEBRA B. STENSLAND

dbs²
770 TECHNOLOGY WAY
CHIPPEWA FALLS, WI 54729

N

SCALE, FEET
0 30 60



ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 35	FIRST AMENDMENT OF THE ASSESSOR'S PLAT OF THE VILLAGE OF NORTH HUDSON	1981
STH 35	CSM 4-1091, V 4, P 1091, DOC 372484	1981
STH 35	PERSELLS' ADDITION	1960
STH 35	MATTESON'S ADDITION TO NORTH HUDSON	1916
STH 35	ASSESSORS PLAT OF THE VILLAGE OF NORTH HUDSON	

RECOVERED MONUMENTS

POINT	Y	X	DESCRIPTION
27033	350498.014	511179.703	2" IRON PIPE
27105	350993.410	511317.609	3/4" IRON PIPE
27109	350495.759	511110.560	1 1/4" IRON PIPE

* ST CROIX COUNTY PUBLISHED COORDINATE VALUE. COORDINATE VALUES FIELD VERIFIED WITH CORNER TIE SHEETS.

TRANSPORTATION PROJECT PLAT NO: 8080-07-20-4.14

THAT PART OF LOTS 108, 109 AND 111, FIRST AMENDMENT OF THE ASSESSOR'S PLAT OF THE VILLAGE OF NORTH HUDSON, AND PART OF LOT 11 OF BLOCK 4, MATTESON'S ADDITION TO NORTH HUDSON, AND PART OF LOTS 1, 3, 4 AND 9, SHADY OAKS ADDITION, LOCATED IN PART OF THE SE 1/4 OF THE NW 1/4, ALL IN SECTION 13, TOWNSHIP 29 NORTH, RANGE 20 WEST, VILLAGE OF NORTH HUDSON, ST CROIX COUNTY, WISCONSIN.

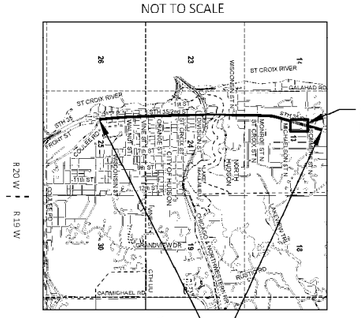
RELOCATION ORDER STH 35 CITY OF HUDSON, SECOND STREET; VILLAGE NORTH HUDSON, 6TH STREET (COULEE RD - NORTH END RD), ST CROIX COUNTY.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

LOCATION SKETCH
NOT TO SCALE



SHEET LOCATION

PROJECT LOCATION

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN ST CROIX COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1095850.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ST CROIX 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 DL4290.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 36" 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 THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN THE NW REGION.

COURSE TABLE

FROM	TO	DIRECTION	DISTANCE
2920127	755	S 00° 37' 54" W	1993.94'
755	413	N 88° 28' 30" W	799.92'
413	27093	N 23° 44' 29" E	71.29'
27093	407	N 88° 42' 23" W	139.30'
407	408	S 16° 27' 57" E	69.30'
408	782	S 15° 34' 23" W	558.95'
782	787	S 74° 25' 27" E	66.00'
787	410	N 15° 34' 23" E	400.00'
410	411	N 31° 24' 40" E	25.99'
411	412	N 15° 34' 33" E	125.00'
412	413	N 41° 02' 37" E	34.88'

COURSE TABLE - SEGMENTS

FROM	TO	DIRECTION	DISTANCE
27093	784	N 88° 42' 23" W	67.20'
784	407	N 88° 42' 23" W	72.10'
782	781	S 74° 25' 27" E	33.07'
781	787	S 74° 25' 27" E	32.93'

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

SCHEDULE OF LANDS & INTERESTS REQUIRED

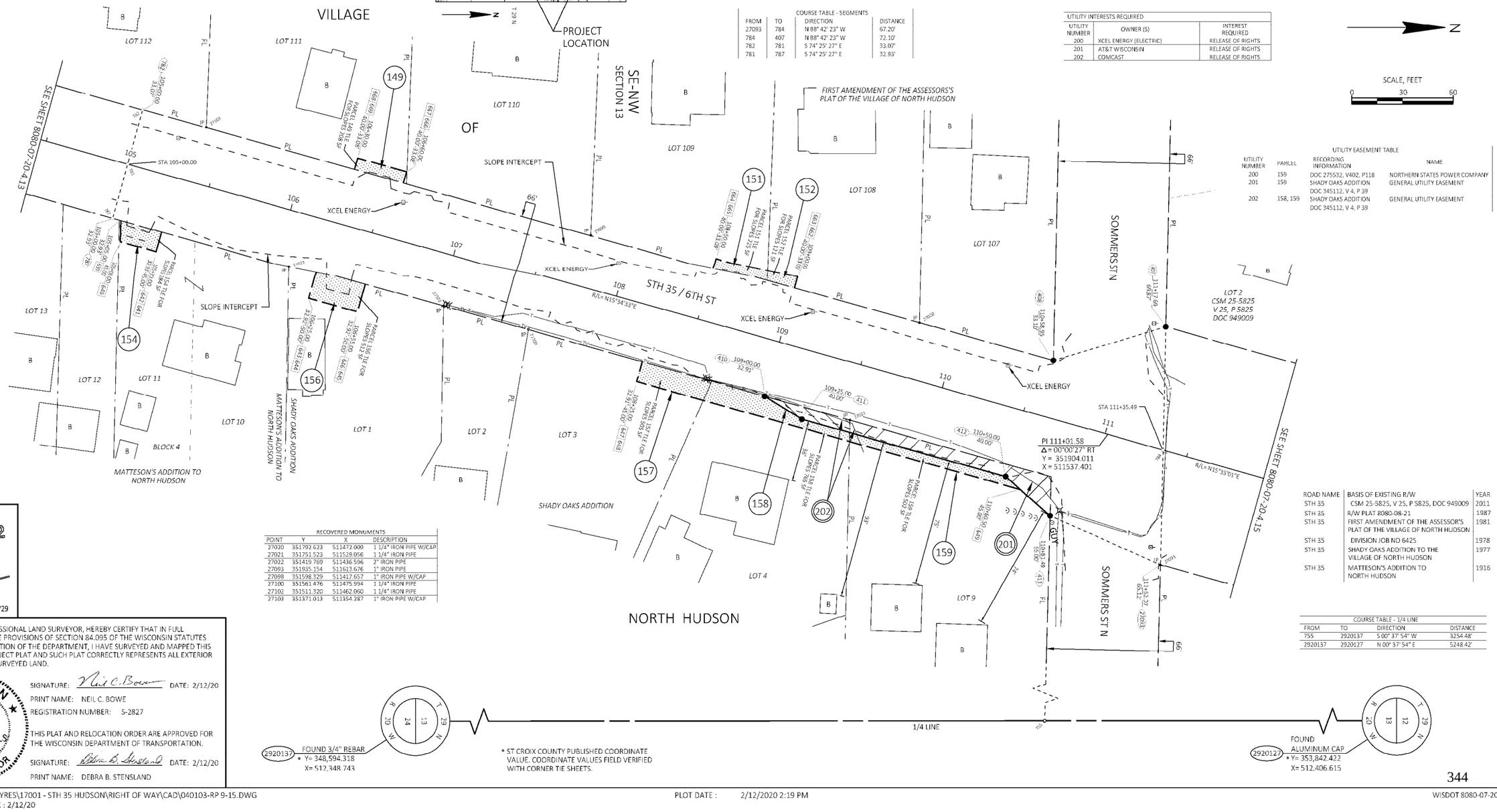
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SF REQUIRED			TLE SF
			NEW	EXISTING	TOTAL	
149	ALLEN E MCNAMEE	TLE	-	-	-	208
-	-		-	-	-	-
151	BART J GERMAIN	TLE	-	-	-	225
152	COLLEEN O'SHAUGHNESSY	TLE	-	-	-	121
-	-		-	-	-	-
154	RAE ANN PELNAR	TLE	-	-	-	284
-	-		-	-	-	-
156	JAMES E & JULIANNA M MARKGRAF	TLE	-	-	-	512
157	ROBERT J & KATHLEEN M LUTY	TLE	-	-	-	505
158	WARREN R EASTWOOD	FEE, TLE	290	-	290	765
159	SUSAN K MANNING	FEE, TLE	1085	-	1085	502

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
200	XCEL ENERGY (ELECTRIC)	RELEASE OF RIGHTS
201	AT&T WISCONSIN	RELEASE OF RIGHTS
202	COMCAST	RELEASE OF RIGHTS

1097224
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
RECEIVED FOR RECORD
02/13/2020 02:42 PM
EXEMPT #
PLAT FEE 25.00
VOLUME: TPP1
PAGES: 170
PAGES: 1
****The above recording information verifies that this document has been electronically recorded & returned to the submitter**

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8080-07-20-4.14



SCALE, FEET
0 30 60

UTILITY EASEMENT TABLE

UTILITY NUMBER	PARCEL	RECORDING INFORMATION	NAME
200	159	DOC 275532, V402, P118	NORTHERN STATES POWER COMPANY
201	159	SHADY OAKS ADDITION DOC 345112, V 4, P 39	GENERAL UTILITY EASEMENT
202	158, 159	SHADY OAKS ADDITION DOC 345112, V 4, P 39	GENERAL UTILITY EASEMENT

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 35	CSM 25-5825, V 25, P 5825, DOC 949009	2011
STH 35	R/W PLAT 8080-08-21	1987
STH 35	FIRST AMENDMENT OF THE ASSESSOR'S PLAT OF THE VILLAGE OF NORTH HUDSON	1981
STH 35	DIVISION JOB NO 6425	1978
STH 35	SHADY OAKS ADDITION TO THE VILLAGE OF NORTH HUDSON	1977
STH 35	MATTESON'S ADDITION TO NORTH HUDSON	1916

COURSE TABLE - 1/4 LINE

FROM	TO	DIRECTION	DISTANCE
755	2920137	S 00° 37' 54" W	3254.48'
2920137	2920127	N 00° 37' 54" E	5248.42'

RECOVERED MONUMENTS

POINT	Y	X	DESCRIPTION
27020	351792.623	511472.009	1 1/4" IRON PIPE W/CAP
27021	351751.523	511529.056	1 1/4" IRON PIPE
27022	351419.769	511436.596	2" IRON PIPE
27093	351935.154	511613.676	1" IRON PIPE
27098	351598.329	511417.657	1" IRON PIPE W/CAP
27100	351561.476	511475.994	1 1/4" IRON PIPE
27102	351511.320	511462.060	1 1/4" IRON PIPE
27103	351371.013	511354.287	1" IRON PIPE W/CAP

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 DEPARTMENT, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN NEIL C. BOWE S-2827 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: Neil C. Bowe DATE: 2/12/20
PRINT NAME: NEIL C. BOWE
REGISTRATION NUMBER: S-2827

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

SIGNATURE: Debra B. Stensland DATE: 2/12/20
PRINT NAME: DEBRA B. STENSLAND

2920137 FOUND 3/4" REBAR
* Y= 348,594.318
X= 512,348.743

T 29 N R 20 W 24 13

1/4 LINE

* ST CROIX COUNTY PUBLISHED COORDINATE VALUE. COORDINATE VALUES FIELD VERIFIED WITH CORNER TIE SHEETS.

2920127 FOUND ALUMINUM CAP
* Y= 353,842.422
X= 512,406.615

T 29 N R 20 W 13 12

TRANSPORTATION PROJECT PLAT NO: 8080-07-20-4.15

THAT PART OF LOTS 1 AND 2, CSM 8-2322, V 8, P 2322, DOC 466774, AND PART OF LOTS 11 AND 12, NORTH HUDSON DEVELOPMENT, LOCATED IN AND INCLUDING PART OF THE SE 1/4 OF THE NW 1/4, ALL IN SECTION 13, TOWNSHIP 29 NORTH, RANGE 20 WEST, VILLAGE OF NORTH HUDSON, ST CROIX COUNTY, WISCONSIN.

RELOCATION ORDER STH 35 CITY OF HUDSON, SECOND STREET; VILLAGE NORTH HUDSON, 6TH STREET (COULEE RD - NORTH END RD), ST CROIX COUNTY.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

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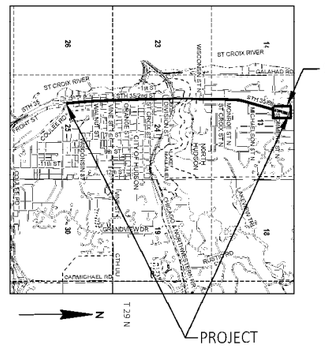
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

LOCATION SKETCH

NOT TO SCALE



NOTES:

THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

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.

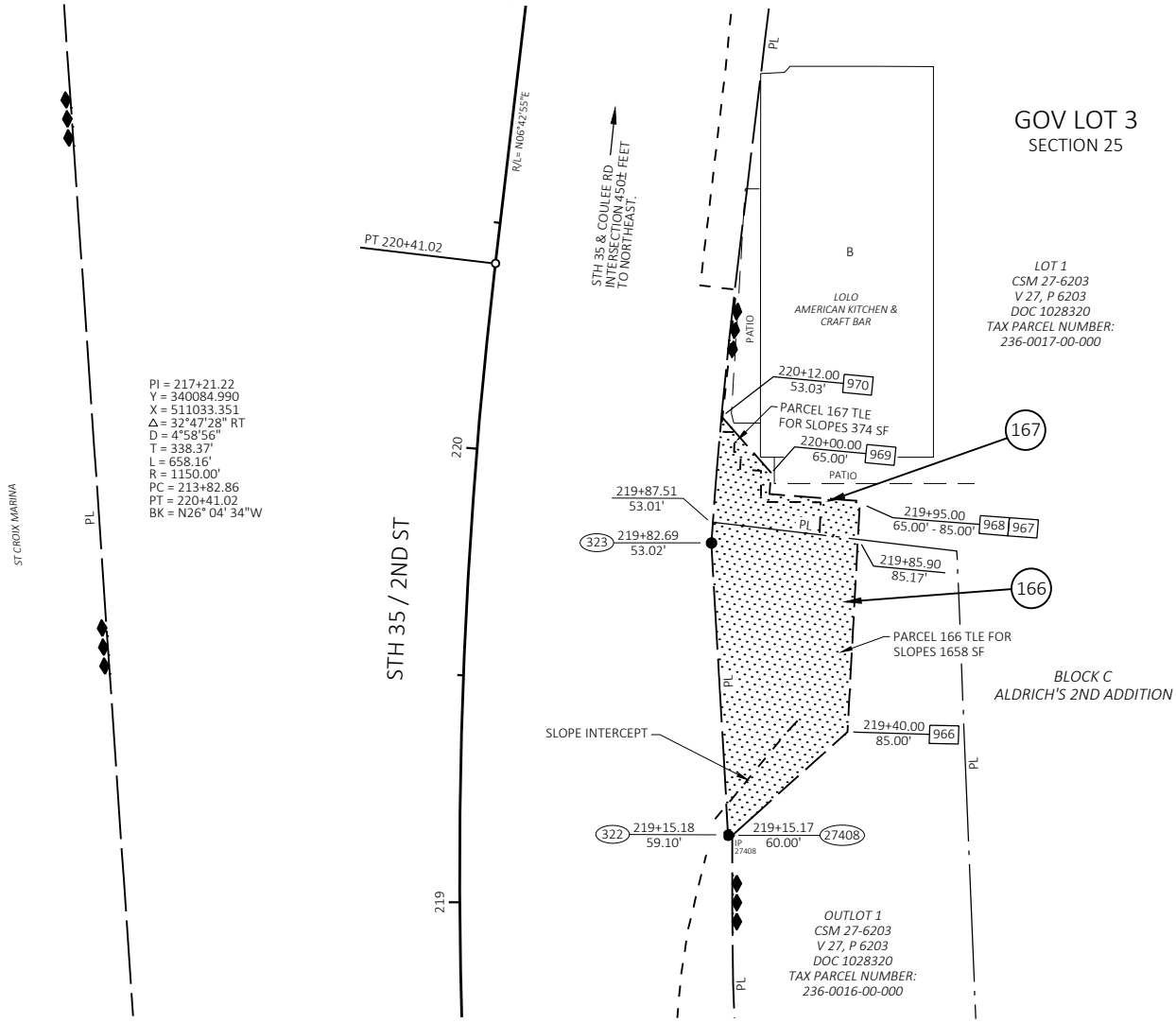
R/W PROJECT NUMBER: 8080-07-20	SHEET NUMBER: 1

TLE ACQUISITION EXHIBIT
COULEE RD - NORTH END RD
CITY OF HUDSON, SECOND STREET

STH 35 — ST CROIX COUNTY

THAT PART OF OUTLOT 1 AND LOT 1 OF CSM 27-6203, V 27, P 6203, DOC 1028320, ALL IN GOVERNMENT LOT 3 OF SECTION 25, T29N, R20W, CITY OF HUDSON, ST CROIX COUNTY WISCONSIN.

4



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE SQUARE FEET
166	MLME HOLDINGS LLC	TLE	1658
167	HAF REAL ESTATE AND DEVELOPMENT LLC	TLE	374

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
N/A	N/A	N/A

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 35	CSM 27-6203, V 27, P 6203, DOC 1028320	2016
STH 35	MAP OF CONTROLLED - ACCESS CA 028-2(1), 06-4(1) ST CROIX	1950
STH 35	ALDRICH'S ADD'N	1850

N

SCALE, FEET
0 20 40

THIS EXHIBIT IS APPROVED FOR THE CITY OF HUDSON, ST CROIX COUNTY, WISCONSIN.

SIGNATURE: _____ DATE: _____

PRINT NAME: AARON REEVES

= CONCRETE PAVEMENT REPLACEMENT

= CONCRETE PAVEMENT REPAIR

= CONCRETE CENTERLINE REPAIR

BM 30

XCEL ENERGY

301+00 BL

AT&T WI

C HUDSON (WATER)

N26° 04' 34"W
1381.94'

BEGIN PROJECT 8080-02-60
STA 204+00
Y=338899.08
X=511613.71

STH 35/2ND ST

XCEL ENERGY

C HUDSON (SAN)

COMCAST

AT&T WI

XCEL ENERGY

C HUDSON (WATER)

FRONT ST

MATCHLINE STA 207+25

BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
30	202+80	696.58	30.1' LT, TOP OF NORTHEAST SIGN BASE BOLT ON OVERHEAD SIGN ARM

NOTE:
REFER TO INTERSECTION DETAILS FOR CURB RAMP LAYOUTS.
REFER TO SDD DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y FOR DRIVEWAY ENTRANCE LAYOUTS.

EXISTING R/W (TYP)

XCEL ENERGY

AT&T WI

XCEL ENERGY

C HUDSON (WATER)

MATCHLINE STA 207+25

N26° 04' 34"W
1381.94'

MATCHLINE STA 213+25

STH 35/2ND ST
REFER TO CITY OF HUDSON WATER & SANITARY SEWER PLANS FOR SANITARY SEWER REPLACEMENT

DETAILS

XCEL ENERGY

COMCAST

C HUDSON (WATER)

C HUDSON (SAN)

AT&T WI

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PLAN: STH 35	SHEET 347	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\050201_PN.DWG
LAYOUT NAME - 050201_pn

PLOT DATE : 7/30/2020 9:56 AM PLOT BY : BEN NESJA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

= CONCRETE PAVEMENT REPLACEMENT
= CONCRETE PAVEMENT REPAIR
= CONCRETE CENTERLINE REPAIR

PI STA = 217+21.22
DELTA = 32°47'28"
D = 4°58'56"
T = 338.37'
L = 658.16'
R = 1150.00'
PC STA = 213+82.86
PT STA = 220+41.02

AT&T WI
PC: 213+82.86
Mid: 217+11.94
214+00
215+00
216+00
217+00
218+00
219+00
STH 35/2ND ST
N26° 00' 34"W
138.94'
MATCHLINE STA 213+25
MATCHLINE STA 219+25
C HUDSON (WATER)
COMCAST
XCEL ENERGY
AT&T WI
C HUDSON (SAN)
EXISTING R/W (TYP)
END CONSTRUCTION 8080-02-60
BEGIN PROJECT 8080-02-72
STA 218+02
BUTT JOINT REQ'D
MATCH EXISTING
XCEL ENERGY
BM 31

BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
31	219+14	701.85	53.5' RT, TOP OF FIRE HYDRANT BURY TAG BOLT

5

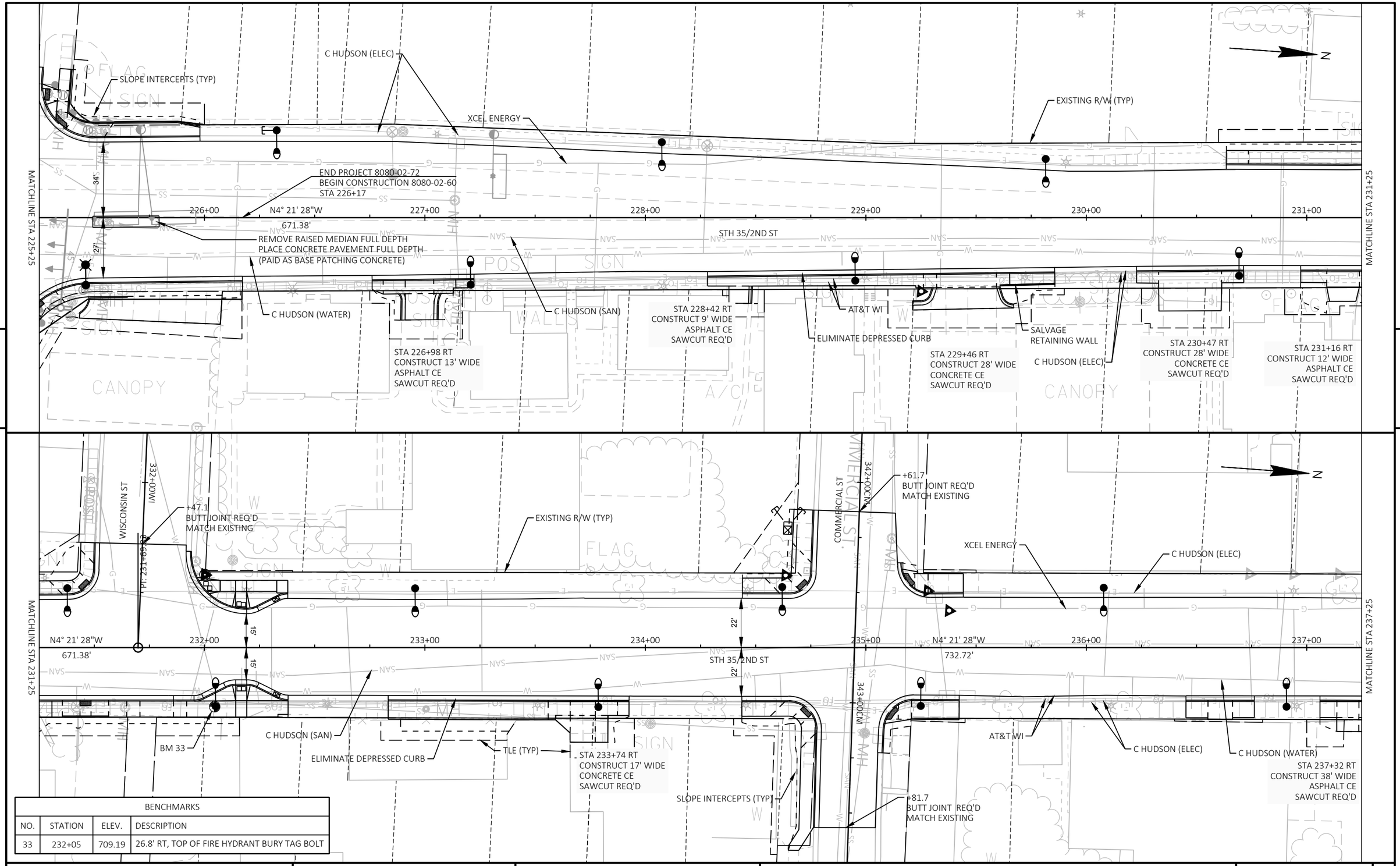
5

AT&T WI
XCEL ENERGY
PT: 220+41.02
221+31.04
36.80' L
221+49.02
40.53' L
PI: 221+63.58
SLOPE INTERCEPTS (TYP)
+80.2
BUTT JOINT REQ'D
MATCH EXISTING
C HUDSON (ELEC)
XCEL ENERGY
BUCKEYE RD
312+00BU
PI: 224+98.46
220+00
N6° 42' 55"E
122.56'
221+00
STH 35/2ND ST
222+00
N5° 16' 23"E
334.87'
223+00
224+00
225+00
25'
36'
55'
REMOVE RAISED MEDIAN FULL DEPTH
PLACE CONCRETE PAVEMENT FULL DEPTH
(PAID AS BASE PATCHING CONCRETE)
MATCHLINE STA 219+25
MATCHLINE STA 225+25
AT&T WI
C HUDSON (WATER)
C HUDSON (SAN)
XCEL ENERGY
C HUDSON (ELEC)
EXISTING R/W (TYP)
TLE (TYP)
BM 32
+94.6
BUTT JOINT REQ'D
MATCH EXISTING
+76.2
BUTT JOINT REQ'D
MATCH EXISTING
COULEE RD
210TH

BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
32	224+52	705.8	55.2' RT, TOP NUT FIRE HYDRANT

PROJECT NO: 8080-02-60/72	HWY: STH 35	COUNTY: ST CROIX	PLAN: STH 35	SHEET 348	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\050201_PN.DWG
LAYOUT NAME - 050202_pn
PLOT DATE : 7/30/2020 9:56 AM
PLOT BY : BEN NESJA
PLOT NAME :
PLOT SCALE : 1 IN:40 FT



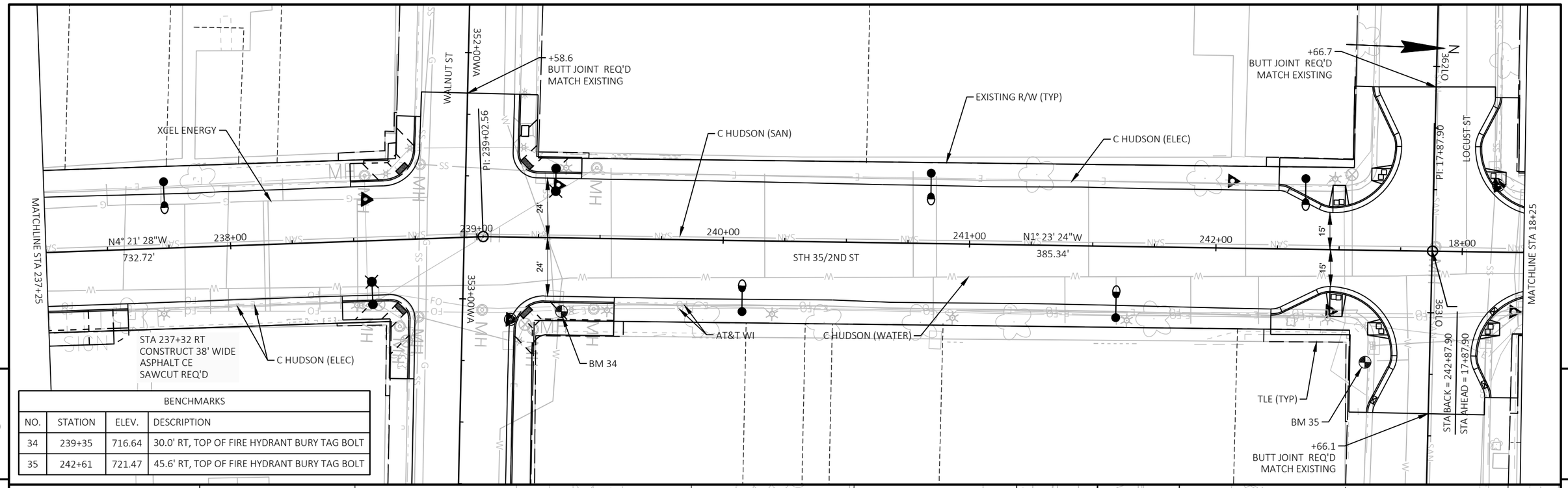
BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
33	232+05	709.19	26.8' RT, TOP OF FIRE HYDRANT BURY TAG BOLT

PROJECT NO: 8080-02-60/72	HWY: STH 35	COUNTY: ST CROIX	PLAN: STH 35	SHEET 349	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\050201_PN.DWG
LAYOUT NAME - 050203_pn

PLOT DATE : 7/30/2020 9:57 AM PLOT BY : BEN NESJA PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44



PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	PLAN: STH 35	SHEET 350 E

BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
36	21+68	731.70	49.8' LT, TOP OF HYD, BURY TAG BOLT

BM#36
XCEL ENERGY
VINE ST
C HUDSON (SAN)
SLOPE INTERCEPT
XCEL ENERGY
EXISTING R/W (TYP)
ELM ST
PI 25+88.30
N
N1° 23' 24"W
STH 35/2ND ST
CP#7
AT&T WI
SLOPE INTERCEPT
C HUDSON (WATER)
TLE (TYP)
XCEL ENERGY

END PROJECT ID 8080-02-60
BEGIN PROJECT ID 8080-07-70
STA 22+20.80
Y = 343094.26
X = 510991.49

CONTROL PT #7
Station=22+19.96
Offset=33.1
Y = 343094.22
X = 511024.63

VPC STA 20+80.00
VPC EL 730.56
VPI STA 21+55.00
VPI EL 733.44
VPT STA 22+30.00
VPT EL 733.77
STA 23+25.00
EL 734.19
VPC STA 24+55.00
VPC EL 735.08
VPI STA 25+45.00
VPI EL 735.70
ORIGINAL GROUND
PROPOSED PROFILE
3.83%
0.44%
0.69%
VCL = 150.00
K = 44.28
VCL = 180.00
K = 88.35

727.62	727.50	729.53	729.41	731.22	731.28	732.70	732.69	733.51	733.53	733.92	733.86	734.35	734.08	734.62	734.36	735.39	734.71	735.68	735.05	735.86	735.28	736.24	735.22	735.90	734.89

20+00 21+00 22+00 23+00 24+00 25+00 26+00

730 740 730 720 710

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: STH 35	SHEET 351	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050101-pp
PLOT DATE : 7/29/2020 1:24 PM
PLOT BY : WOOLEVER, NATHAN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

ELM ST

PI 25+88.30

XCEL ENERGY

C HUDSON (SAN)

EXISTING R/W (TYP)

SLOPE INTERCEPT

TLE (TYP)

ORANGE ST

PI 29+86.89

SLOPE INTERCEPT

XCEL ENERGY

N

26+00 27+00 28+00 29+00 30+00 31+00 32+00

N1° 13' 01"W

STH 35/2ND ST

N1° 15' 32"W

CP#8

BM#37

WINDSTREAM

AT&T WI

AT&T WI

XCEL ENERGY

C HUDSON (WATER)

SLOPE INTERCEPT

BM#38

CP#9

SLOPE INTERCEPT

CONTROL PT #8
Station=26+19.49
Offset=23.1
Y = 343493.33
X = 511004.98

BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
37	26+13	738.89	24.5' RT, TOP NUT OF HYD
38	30+29	733.69	25.8' RT, TOP NUT OF HYD

CONTROL PT #9
Station=30+26.26
Offset=22.9
Y = 343900.02
X = 510996.13

VCL = 90.00
K = 269.93

VPT STA 26+35.00
VPT EL 734.48

STA 30+25.00
EL 730.25

ORIGINAL GROUND

-1.35%

-1.02%

-0.51%

PROPOSED PROFILE

VCL = 180.00
K = 88.35

VPC STA 26+70.00
VPC EL 734.01

VPI STA 27+15.00
VPI EL 733.40

VPT STA 27+60.00
VPT EL 732.94

740 730 720 710

735.90 734.89 735.17 734.28 734.66 733.62 733.90 733.05 733.42 732.54 732.82 732.03 732.21 731.52 731.78 731.01 731.36 730.50 730.97 730.12 730.70 729.86 730.42 729.61 730.17 729.35

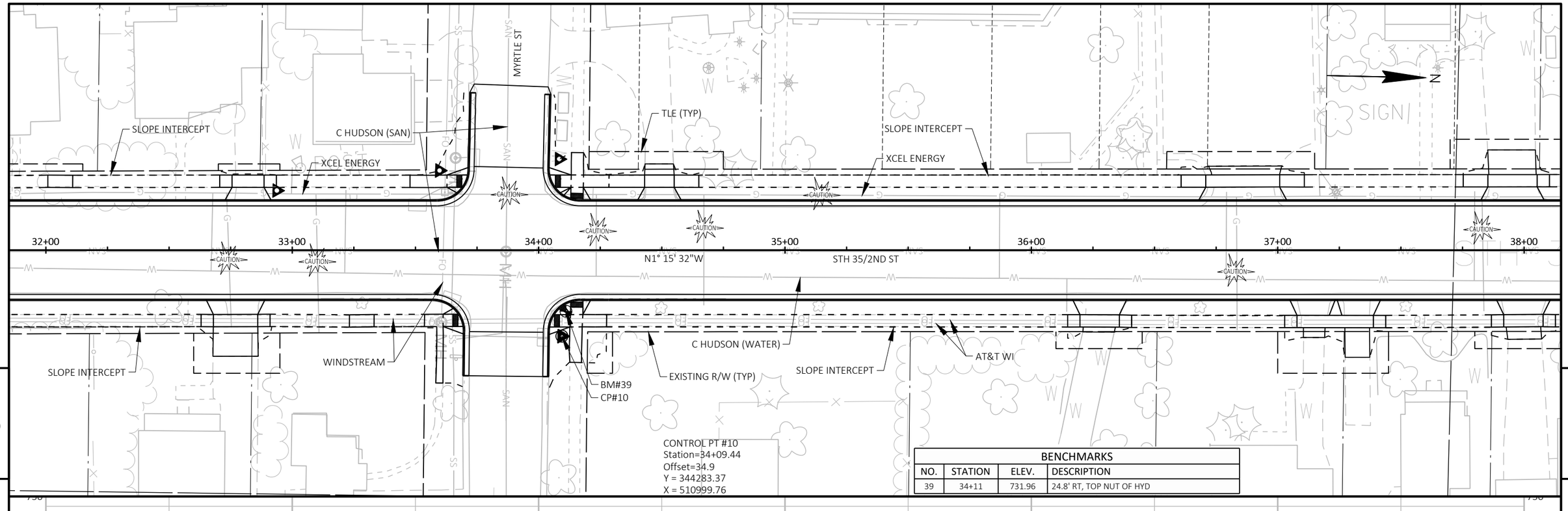
26+00 27+00 28+00 29+00 30+00 31+00 32+00

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: STH 35	SHEET 352	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050102-pp

PLOT DATE : 7/29/2020 1:24 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



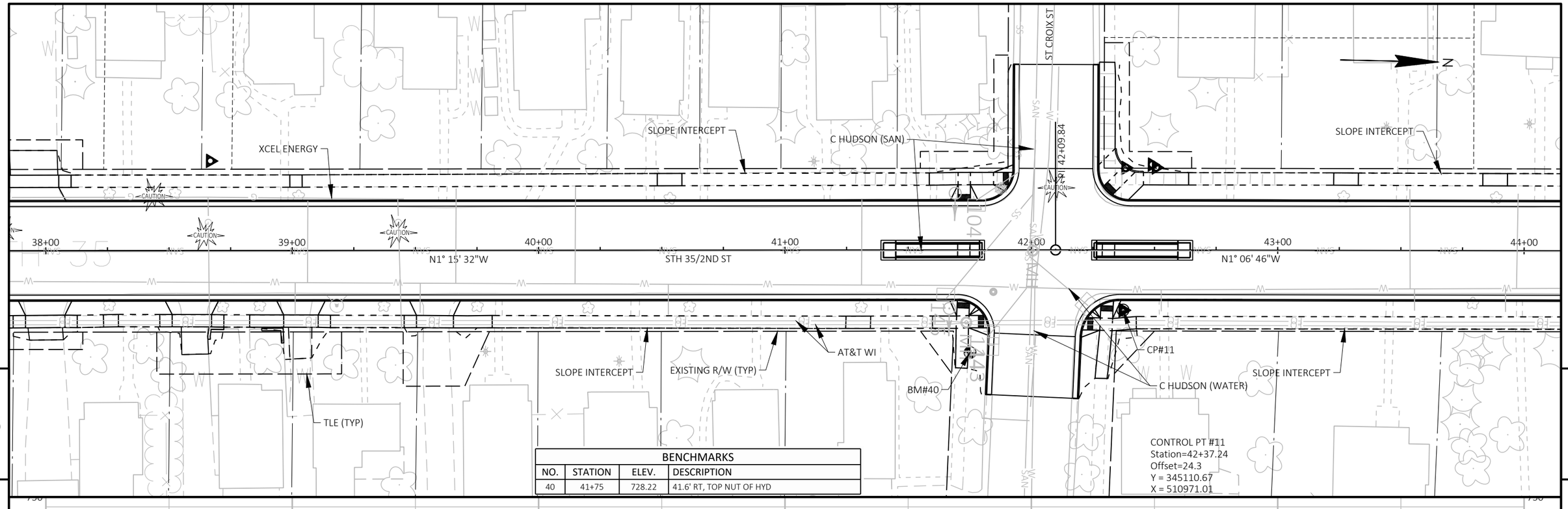
BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
39	34+11	731.96	24.8' RT, TOP NUT OF HYD

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: STH 35	SHEET 353 E

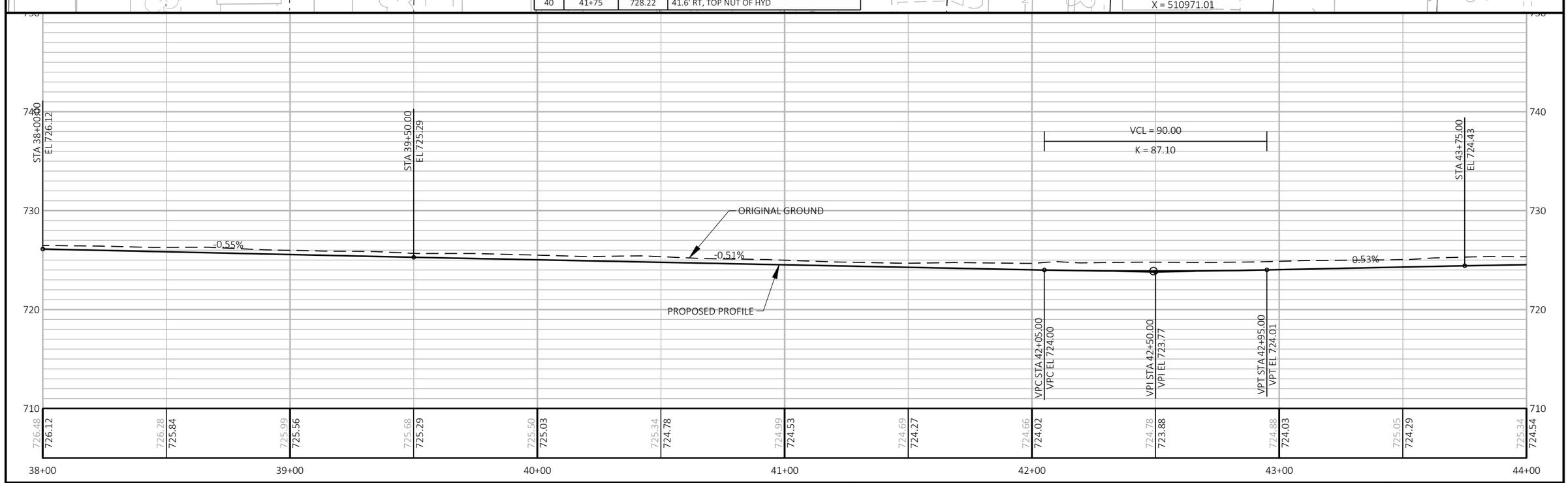
FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050103-pp

PLOT DATE : 7/29/2020 1:25 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
40	41+75	728.22	41.6' RT, TOP NUT OF HYD

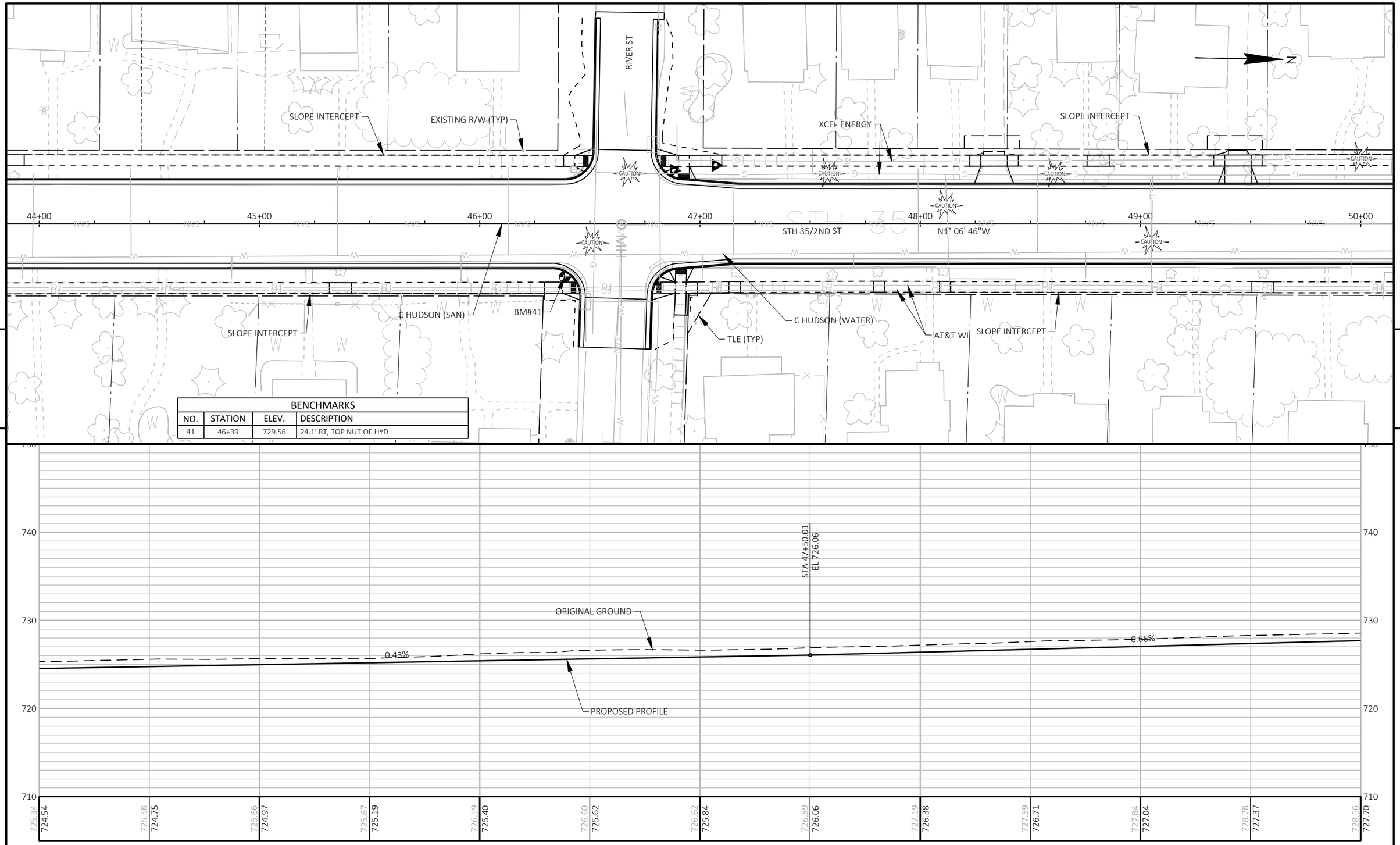


PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: STH 35	SHEET 354	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050104-pp

PLOT DATE : 1/7/2021 12:15 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
41	46+39	729.56	24.1' RT, TOP NUT OF HYD

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: STH 35	SHEET 355 E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050105-pp

PLOT DATE : 1/7/2021 12:15 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

CONTROL PT #12
Station=51+48.83
Offset=-28.8
Y = 346021.05
X = 510900.22

DIVISION ST

XCEL ENERGY
SLOPE INTERCEPT
C HUDSON (SAN)
CP#12
51+20.27
XCEL ENERGY
C HUDSON (WATER)
SLOPE INTERCEPT

50+00 | 51+00 | 52+00 | 53+00 | 54+00 | 55+00 | 56+00

N1° 06' 46"W — STH 35/2ND ST — N1° 08' 23"W

SLOPE INTERCEPT
C HUDSON (WATER)
TLE (TYP)
BM#42
C HUDSON (WATER)
C HUDSON (SAN)
XCEL ENERGY
AT&T WI
EXISTING R/W (TYP)
C HUDSON (SAN)
SLOPE INTERCEPT

BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
42	50+91	732.69	25.5' RT, TOP NUT OF HYD

VPC STA 50+52.50
VPC EL 728.04
VPI STA 51+60.00
VPI EL 728.75
VPT STA 52+67.50
VPT EL 725.80
VPC STA 52+75.00
VPC EL 725.59
VPI STA 53+20.00
VPI EL 724.36
VPT STA 53+65.00
VPT EL 722.19
STA 54+10.00
EL 720.03
VPC STA 54+65.00
VPC EL 716.83
VPI STA 55+15.00
VPI EL 713.92
VPT STA 55+65.00
VPT EL 710.62

ORIGINAL GROUND
PROPOSED PROFILE
-2.74%
-4.82%
-5.82%
-6.59%

VCL = 215.00
K = 63.29
VCL = 90.00
K = 43.39
VCL = 100.00
K = 130.21

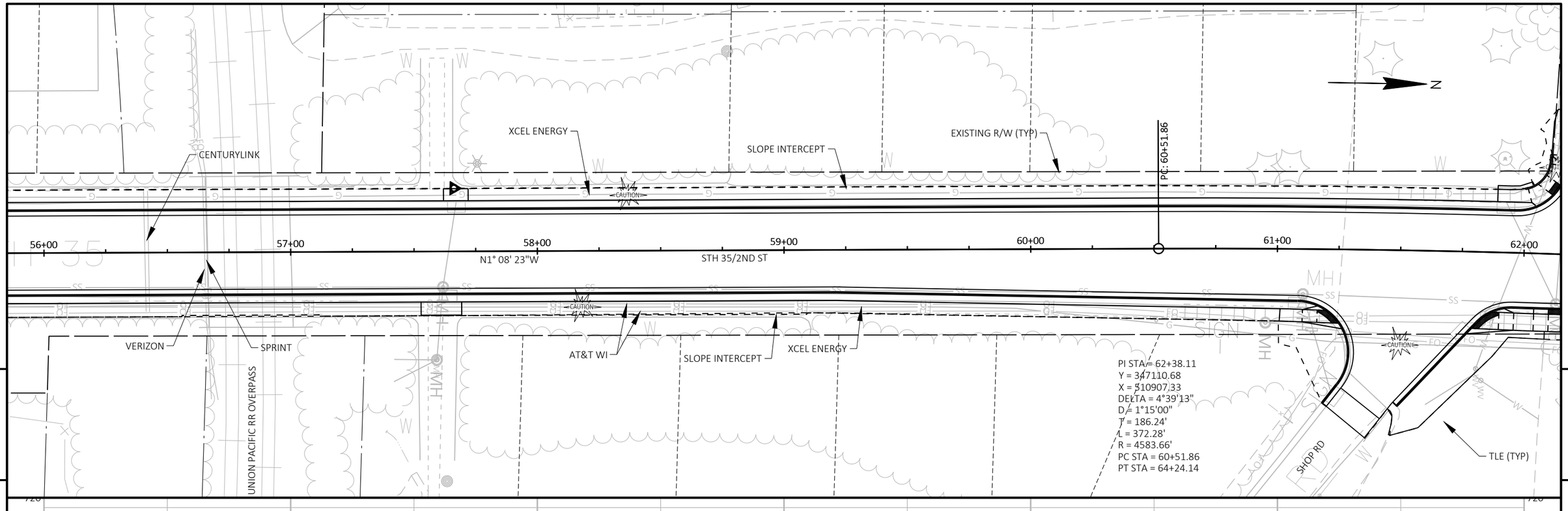
740 | 730 | 720 | 710 | 700

728.56	728.89	729.07	728.79	728.16	726.94	725.62	723.70	721.11	718.33	715.27	712.48	709.36
727.70	728.02	728.17	727.93	727.29	726.26	724.84	722.89	720.51	717.70	714.74	711.60	708.32

50+00 | 51+00 | 52+00 | 53+00 | 54+00 | 55+00 | 56+00

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: STH 35	SHEET 356	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050106-pp
PLOT DATE : 7/29/2020 1:25 PM
PLOT BY : WOOLEVER, NATHAN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

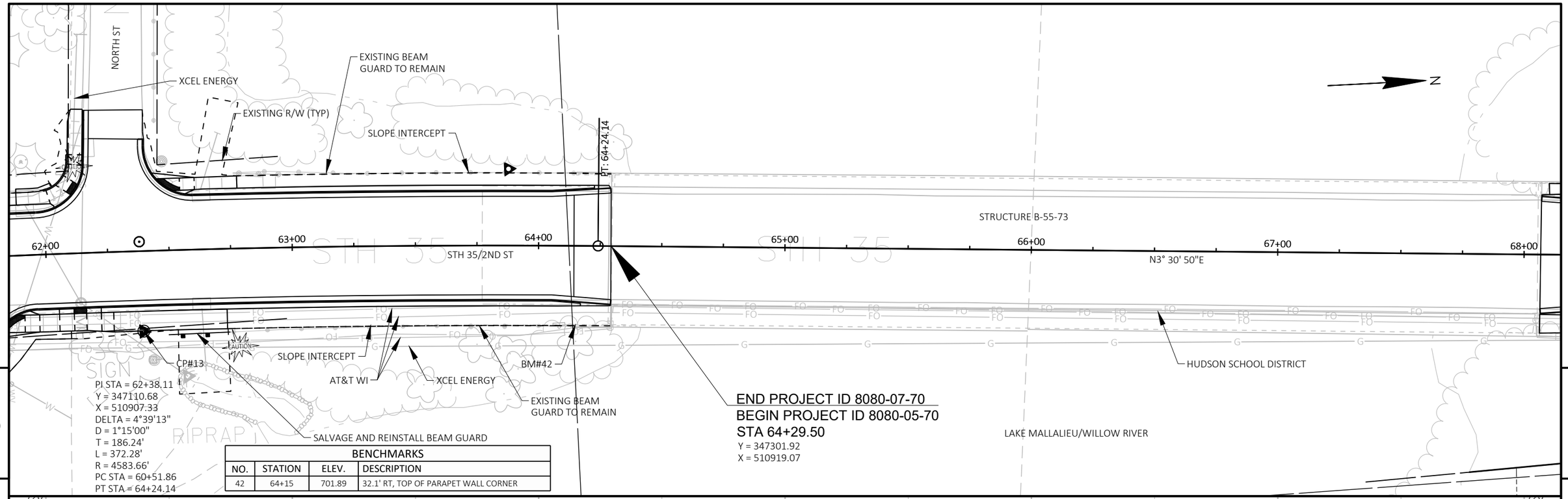


PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: STH 35	SHEET 357 E

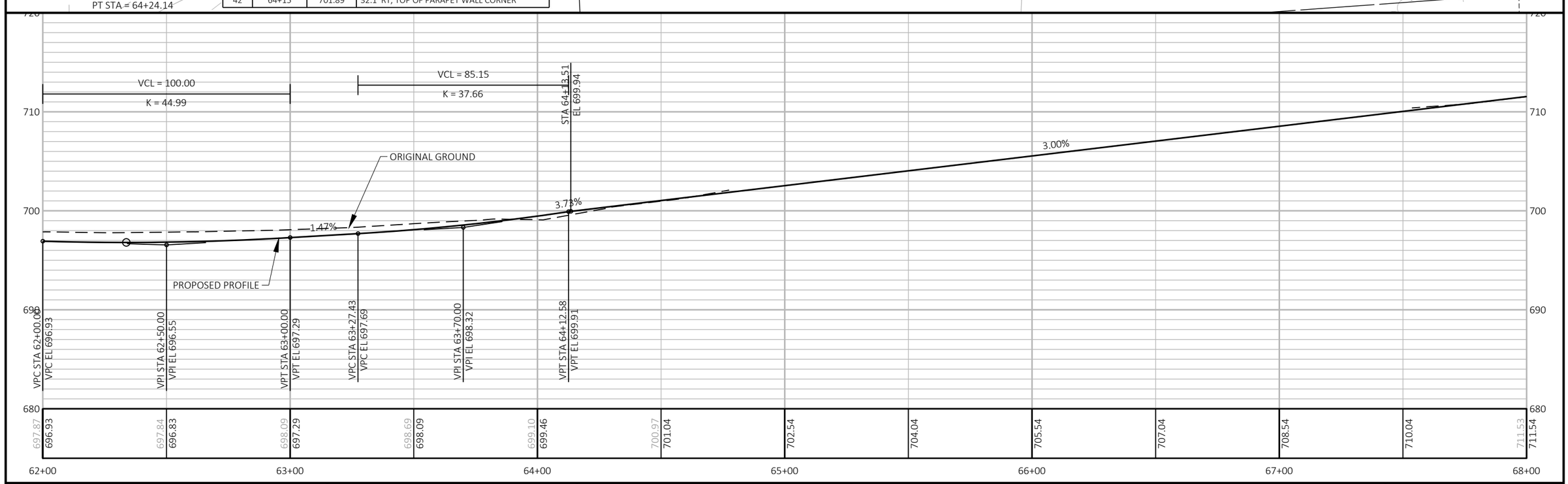
FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050107-pp

PLOT DATE : 7/29/2020 1:25 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

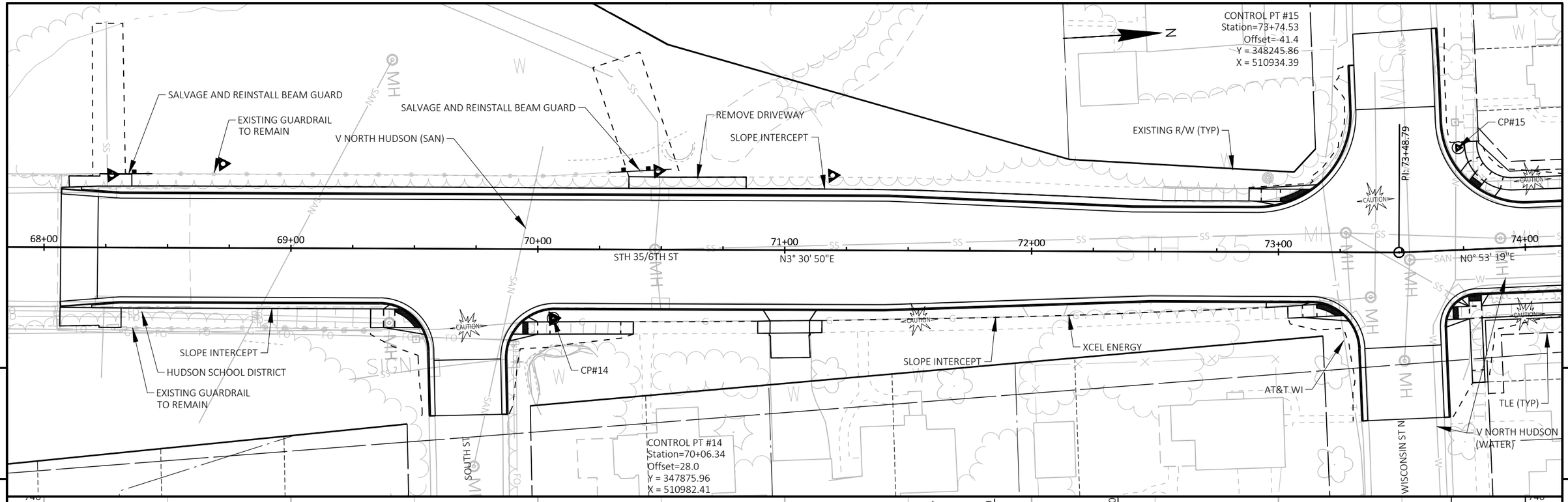


BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
42	64+15	701.89	32.1' RT, TOP OF PARAPET WALL CORNER



PROJECT NO: 8080-07-70/8080-05-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: STH 35	SHEET 358	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050108-pp
PLOT DATE : 7/29/2020 1:25 PM
PLOT BY : WOOLEVER, NATHAN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



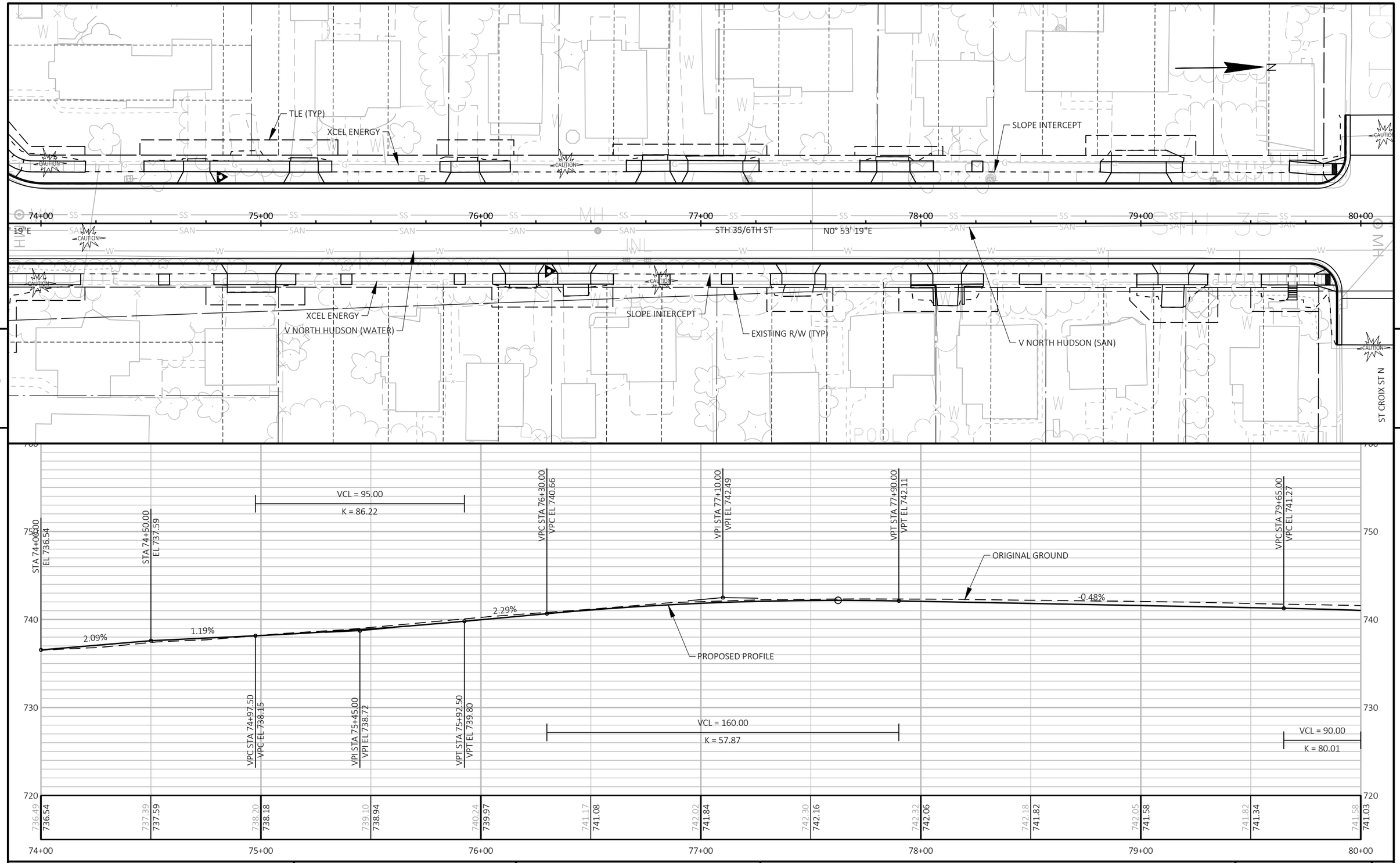
5

5

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: STH 35	SHEET 359	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050109-pp

PLOT DATE : 7/29/2020 1:25 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: STH 35	SHEET 360	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050110-pp

PLOT DATE : 7/29/2020 1:26 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

NORTH PIPE FROM MH 172 UNKNOWN, PRESUME TO BE A STUB PIPE

XCEL ENERGY

SLOPE INTERCEPT

V NORTH HUDSON (SAN)

TLE (TYP)

PI: 84+21.53

XCEL ENERGY

SLOPE INTERCEPT

AT&T WI

80+00 81+00 82+00 83+00 84+00 85+00 86+00

N0° 53' 19"E

STH 35/6TH ST

N3° 24' 13"E

CP#16

SLOPE INTERCEPT

EXISTING R/W (TYP)

V NORTH HUDSON (WATER)

XCEL ENERGY

PROPOSED R/W

BM#44

V NORTH HUDSON (WATER)

CP#17

SLOPE INTERCEPT

ST CROIX ST N

MONROE ST N

CONTROL PT #16
Station=80+25.84
Offset=31.3
Y = 348895.97
X = 511017.18

CONTROL PT #17
Station=84+64.61
Offset=36.5
Y = 349332.93
X = 511031.00

BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
44	83+89	745.68	39.9' RT, TOP OF HYD, BURY TAG BOLT

VPI STA 80+10.00
VPI EL 741.06

VPT STA 80+55.00
VPT EL 740.34

VCL = 105.00
K = 42.33

VCL = 90.00
K = 41.39

VPC STA 83+34.50
VPC EL 741.15

VPI STA 84+28.00
VPI EL 744.01

VPT STA 85+21.50
VPT EL 744.76

STA 86+00.00
EL 745.38

ORIGINAL GROUND

-1.60%

0.88%

3.05%

0.80%

PROPOSED PROFILE

VCL = 90.00
K = 80.01

VPC STA 81+18.00
VPC EL 739.33

VPI STA 81+70.50
VPI EL 738.49

VPT STA 82+23.00
VPT EL 738.95

VPC STA 82+83.00
VPC EL 739.03

VPI STA 82+78.00
VPI EL 739.43

VPT STA 83+23.00
VPT EL 740.80

VCL = 187.00
K = 82.97

741.58	741.03	740.94	740.42	740.16	739.62	739.77	738.94	739.62	738.81	740.12	739.22	741.05	740.17
742.25	741.61	743.14	742.90	743.83	743.88	744.61	744.56	745.13	744.98	745.48	745.38		

720 730 740 750

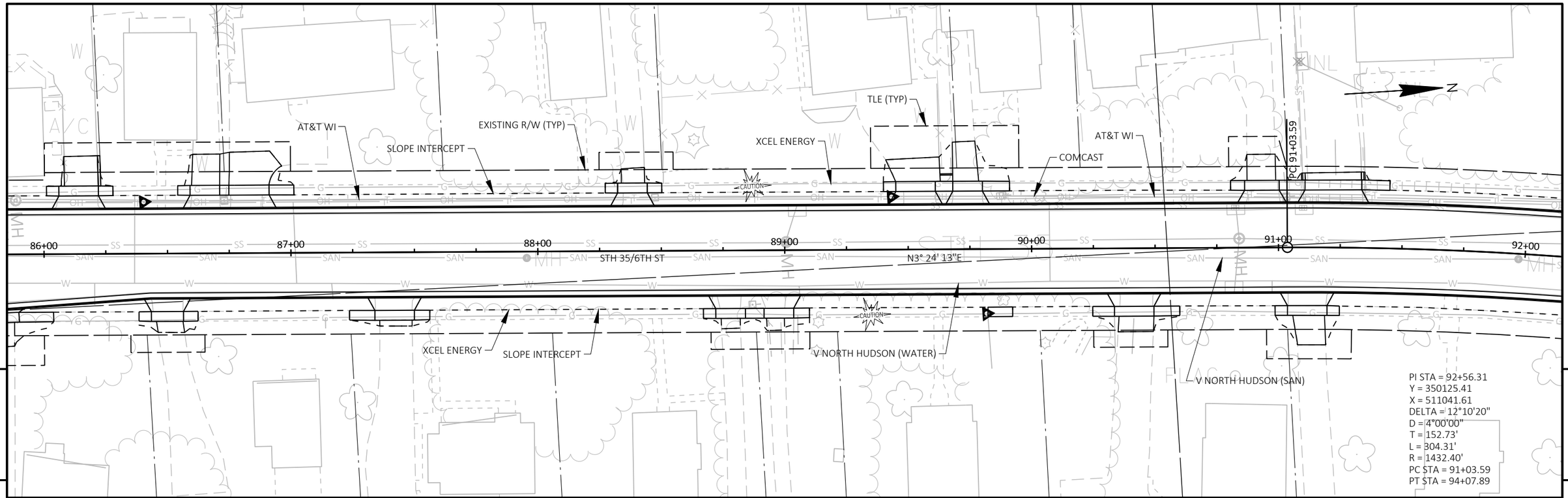
80+00 81+00 82+00 83+00 84+00 85+00 86+00

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: STH 35	SHEET 361 E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050111-pp

PLOT DATE : 7/29/2020 1:26 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: STH 35	SHEET 362 E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050112-pp
PLOT DATE : 7/29/2020 1:26 PM
PLOT BY : WOOLEVER, NATHAN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

CONTROL PT #18
Station=93+13.59
Offset=-23.3
Y = 350185.69
X = 511037.46

CONTROL PT #19
Station=97+14.99
Offset=-21.6
Y = 350574.13
X = 511144.30

EXISTING R/W (TYP)
CP#18
XCEL ENERGY
PT 94+07.89
SLOPE INTERCEPT
AT&T WI
COMCAST
V NORTH HUDSON (SAN)
CP#19
92+00
93+00
94+00
95+00
96+00
97+00
98+00
STH 35/6TH ST
TLE (TYP)
XCEL ENERGY
SLOPE INTERCEPT
V NORTH HUDSON (WATER)
V NORTH HUDSON (WATER)
XCEL ENERGY
SLOPE INTERCEPT
MICHAELSON ST

PI STA = 92+56.31
Y = 350125.41
X = 511041.61
DELTA = 12°10'20"
D = 4°00'00"
T = 152.73'
L = 304.31'
R = 1432.40'
PC STA = 91+03.59
PT STA = 94+07.89

VCL = 145.00
K = 48.71
VCL = 90.00
K = 56.09
VCL = 160.00
K = 73.67
ORIGINAL GROUND
PROPOSED PROFILE
3.28%
4.88%
4.42%
2.25%
1.76%
VPT STA 92+67.50 VPT EL 747.69
VPC STA 93+00.00 VPC EL 748.76
VPI STA 93+45.00 VPI EL 750.23
VPT STA 93+90.00 VPT EL 752.43
STA 94+00.00 EL 752.91
VPC STA 94+65.00 VPC EL 755.79
VPI STA 95+45.00 VPI EL 759.32
VPT STA 96+25.00 VPT EL 761.12
STA 96+95.00 EL 762.70

746.27	747.42	748.97	750.89	753.28	755.58	757.62	759.30	760.75	761.94	763.01	763.89	764.80
745.95	747.15	748.76	750.62	752.91	755.12	757.25	759.06	760.52	761.69	762.79	763.67	764.55

770 760 750 740 730

92+00 93+00 94+00 95+00 96+00 97+00 98+00

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: STH 35	SHEET 363	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050113-pp
PLOT DATE : 7/30/2020 3:55 PM PLOT BY : RESHESKE, CARRIE PLOT NAME : PLOT SCALE : 1 IN:40 FT

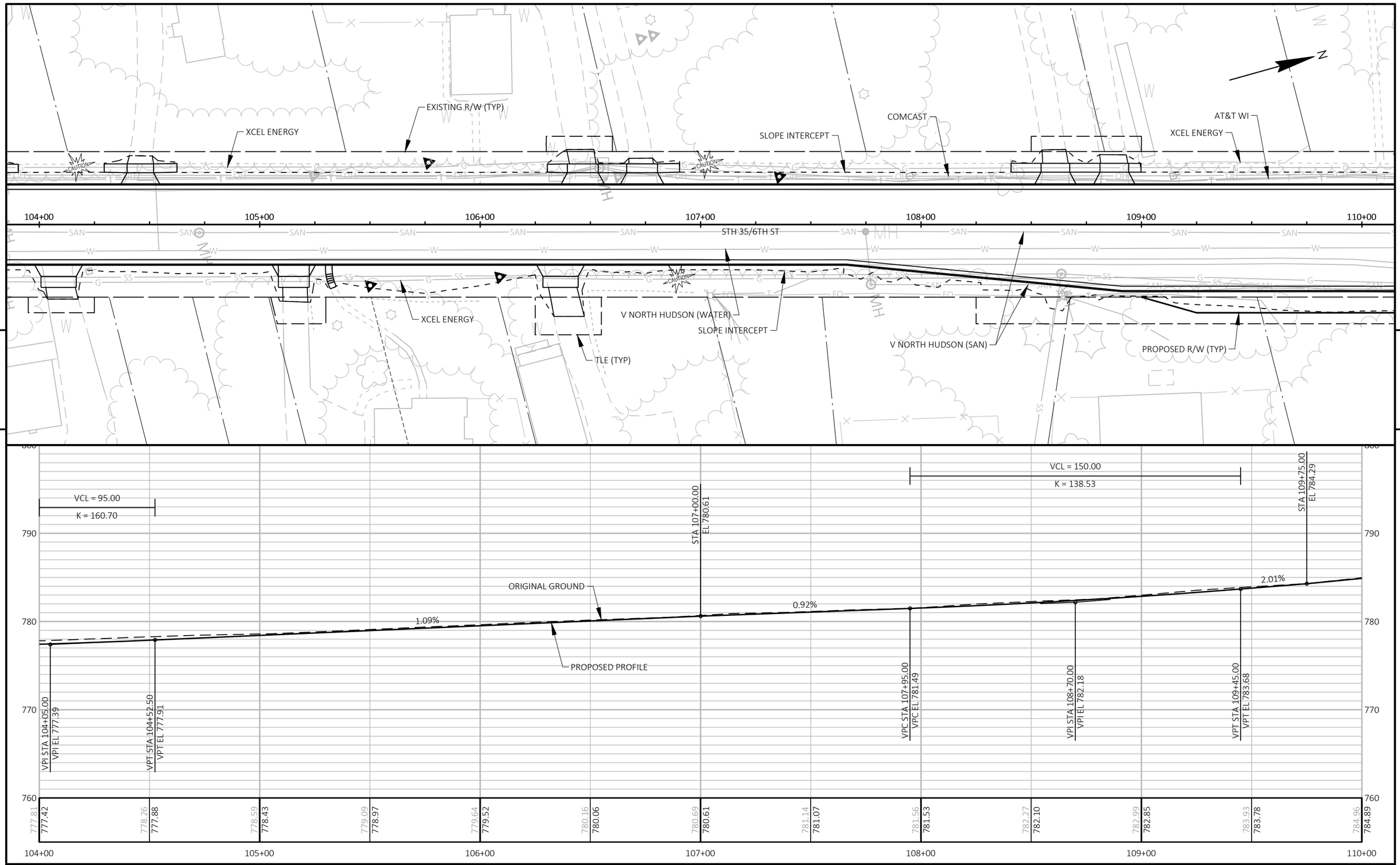
EXISTING R/W (TYP)
SLOPE INTERCEPT
XCEL ENERGY
COMCAST
AT&T WI
98+00
99+00
100+00
101+00
102+00
103+00
104+00
STH 35/6TH ST
XCEL ENERGY
BM#45
CLUSTER OF TREES TO REMAIN
SLOPE INTERCEPT
TLE (TYP)
V NORTH HUDSON (WATER)
V NORTH HUDSON (SAN)
CAUTION

BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
45	99+78	772.95	20.1' RT, TOP NUT OF HYD

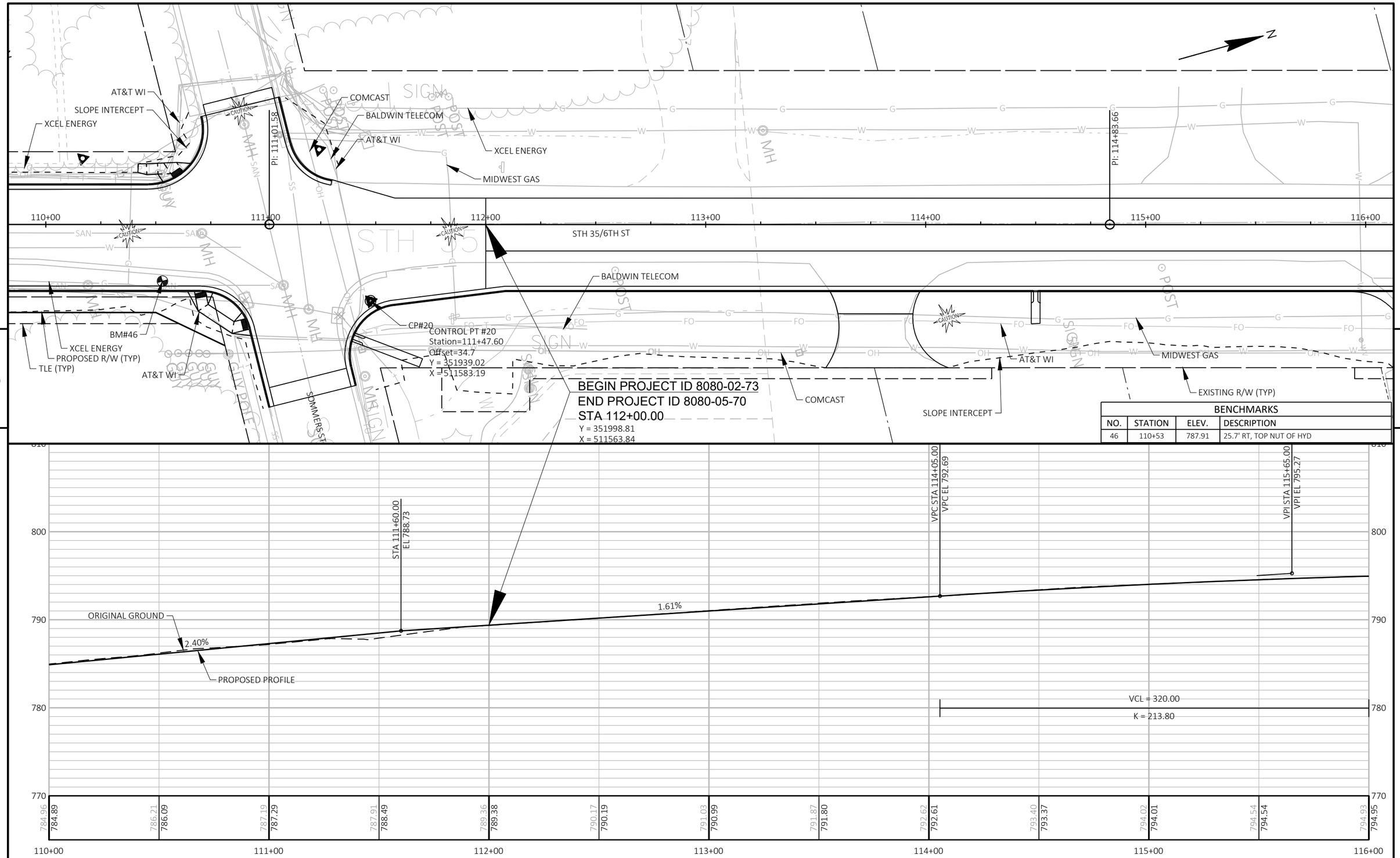
VCL = 100.00
K = 66.91
VCL = 95.00
K = 160.70
VCL = 90.00
K = 39.58
VCL = 90.00
K = 127.50
ORIGINAL GROUND
PROPOSED PROFILE
3.25%
3.48%
1.21%
0.50%
VPC STA 98+05.00 VPC EL 764.63
VPI STA 98+55.00 VPI EL 765.51
VPT STA 99+05.00 VPT EL 767.14
STA 100+25.00 EL 771.04
VPC STA 100+95.00 VPC EL 773.48
VPI STA 101+40.00 VPI EL 775.04
VPT STA 101+85.00 VPT EL 775.58
VPC STA 102+40.00 VPC EL 776.25
VPI STA 102+85.00 VPI EL 776.79
VPT STA 103+30.00 VPT EL 777.02
VPC STA 103+57.50 VPC EL 777.15
764.80 764.55
765.78 765.57
767.34 766.98
768.92 768.60
770.36 770.23
772.10 771.91
773.83 773.65
774.97 775.01
775.76 775.76
776.36 776.36
776.98 776.83
777.42 777.12
777.81 777.42
750
760
770
780
98+00
99+00
100+00
101+00
102+00
103+00
104+00

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: STH 35	SHEET 364	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050114-pp
PLOT DATE : 7/29/2020 1:26 PM
PLOT BY : WOOLEVER, NATHAN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT



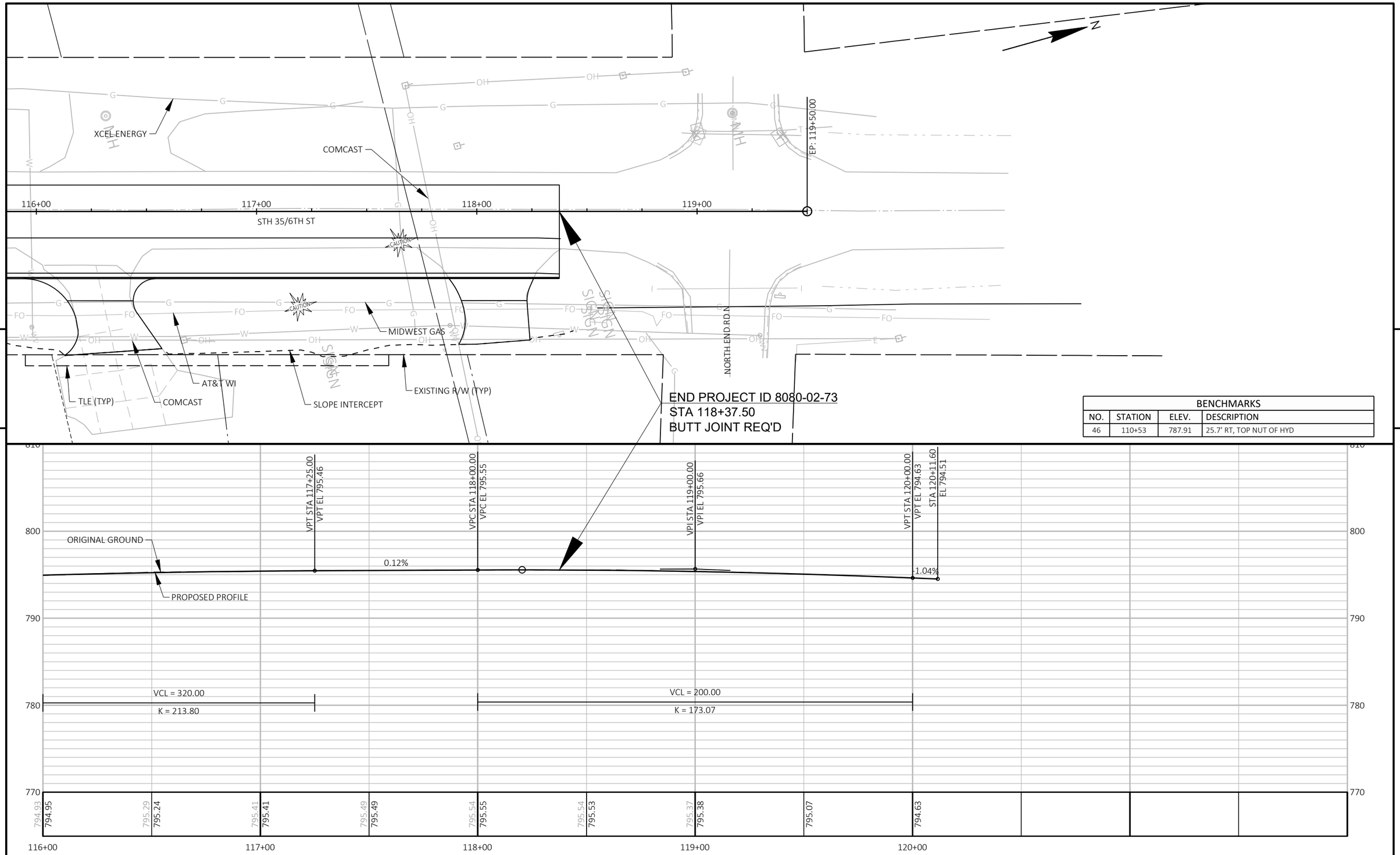
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: STH 35	SHEET 365	E



PROJECT NO: 8080-05-70/02-73	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: STH 35	SHEET 366	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050116-pp

PLOT DATE : 9/30/2020 1:48 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT



BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
46	110+53	787.91	25.7' RT, TOP NUT OF HYD

PROJECT NO: 8080-02-73	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: STH 35	SHEET 367	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050117-pp
PLOT DATE : 9/30/2020 1:48 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : Custom

PI STA 383+00.00K
X = 510865.02
Y = 343460.54

PI STA 384+17.58K
X = 510982.59
Y = 343461.18

N1° 13' 01"W

N1° 23' 24"W

STH 35/2ND ST

25+00

26+00

BP: 383+00.00K

SLOPE INTERCEPT

ELM ST

PI: 25+88.30

N89° 41' 21"E

384+00K

CONSTRUCTION LIMITS
STA 383+59.17K
MATCH EXISTING
SAWCUT REQ'D

SLOPE INTERCEPT

STA 25+87.82 =
STA 384+17.58 K

CAUTION

STA 25+88.42, =
STA 384+17.57, K

CP#8

BM#37

SLOPE INTERCEPT

CONSTRUCTION LIMITS
STA 384+78.63K
MATCH EXISTING
SAWCUT REQ'D

EP: 385+41.33K

385+00K

N89° 46' 28"E

SLOPE INTERCEPT

PI STA 384+17.57K
X = 510982.57
Y = 343461.77

PI STA 385+41.33K
X = 511106.33
Y = 343462.26

ELM ST

N

PI STA 386+00.00L
X = 510816.83
Y = 343858.84

PI STA 387+57.29L
X = 510974.11
Y = 343860.12

BP: 386+00.00L

SLOPE INTERCEPT

ORANGE ST

PI: 29+86.89

N89° 31' 50"E

387+00L

CONSTRUCTION LIMITS
STA 387+01.45L
MATCH EXISTING
SAWCUT REQ'D

SLOPE INTERCEPT

STA 29+86.86 =
STA 387+57.29 L

CAUTION

N1° 15' 32"W

N1° 13' 01"W

29+00

30+00

CP#9

BM#38

STA 29+87.04 =
STA 387+57.29 L

SLOPE INTERCEPT

CONSTRUCTION LIMITS
STA 388+14.75L
MATCH EXISTING
SAWCUT REQ'D

EP: 388+99.73L

388+00L

N89° 19' 44"E

SLOPE INTERCEPT

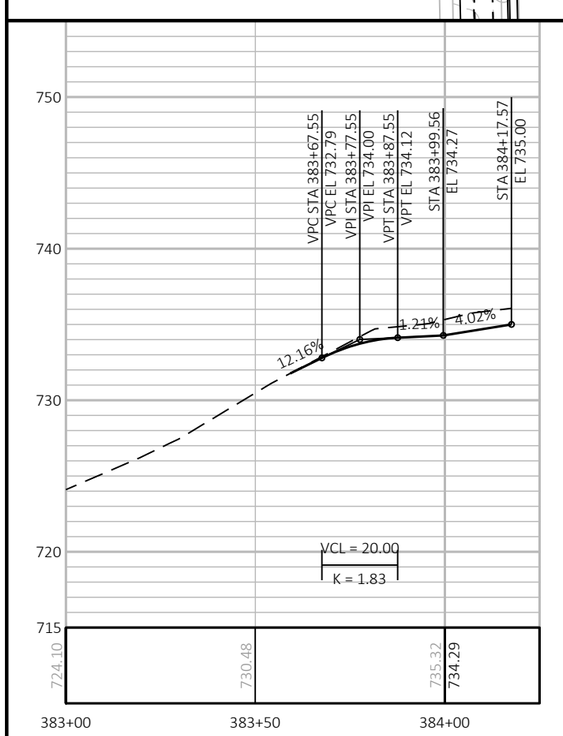
PI STA 387+57.29L
X = 510974.11
Y = 343860.30

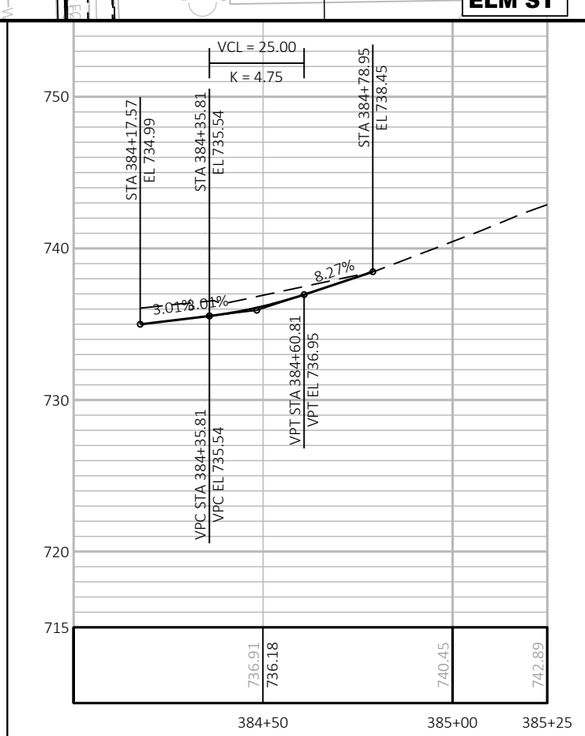
PI STA 388+99.73L
X = 5111116.54
Y = 343861.97

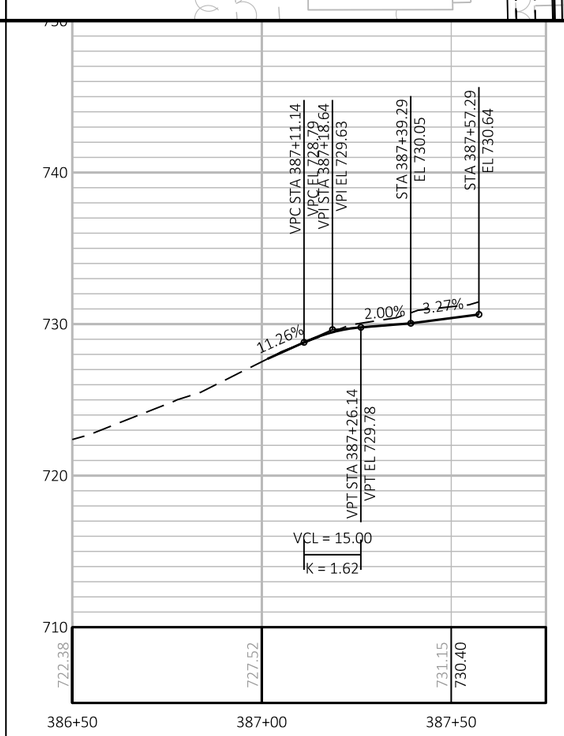
ORANGE ST

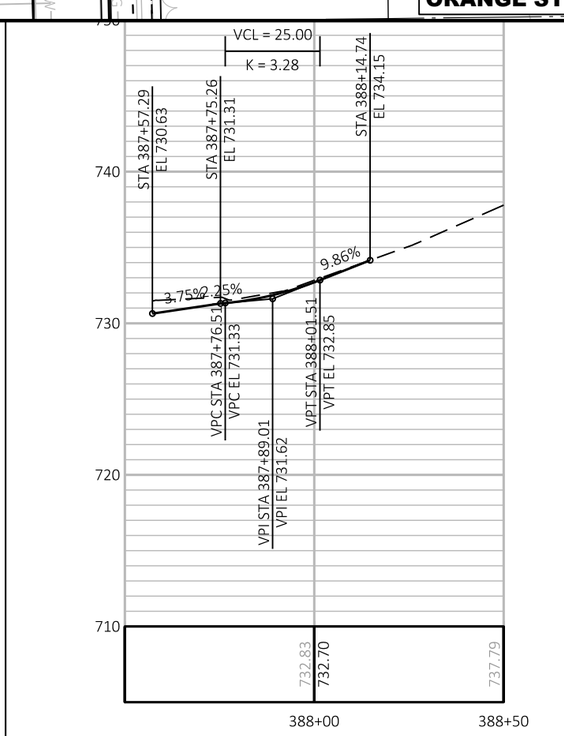
5

5









PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: ELM ST & ORANGE ST	SHEET 368	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\050102_PP.DWG
LAYOUT NAME - 050118-pp

PLOT DATE : 7/29/2020 2:02 PM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

PI STA 390+00.00M
X = 510853.59
Y = 344260.30

PI STA 391+11.73M
X = 510965.32
Y = 344260.24

N1° 15' 32"W

STA 33+87.26 =
STA 391+11.73 M

BM#39
ICP#10

SLOPE INTERCEPT

CONSTRUCTION LIMITS
STA 391+62.88M
MATCH EXISTING
SAWCUT REQ'D

EP: 392+17.66M

BP: 390+00.00M

MYRTLE ST

391+00M

392+00M

S89° 57' 55"E

N89° 22' 07"E

34+00

33+00

CAUTION

CONSTRUCTION LIMITS
STA 390+44.86M
MATCH EXISTING
SAWCUT REQ'D

SLOPE INTERCEPT

STA 33+87.07 =
STA 391+11.73 M

STH 35/2ND ST

PI STA 391+11.73M
X = 510965.31
Y = 344260.43

PI STA 392+17.66M
X = 511071.23
Y = 344261.59

MYRTLE ST

PI STA 393+00.00N
X = 510808.21
Y = 345080.40

PI STA 394+39.05N
X = 510947.24
Y = 345082.81

N1° 06' 46"W

43+00

STA 42+09.84 =
STA 394+39.05 N

SLOPE INTERCEPT

BP: 393+00.00N

ST CROIX ST

394+00N

N89° 00' 22"E

CONSTRUCTION LIMITS
STA 393+63.81N
MATCH EXISTING
SAWCUT REQ'D

SLOPE INTERCEPT

42+00

STH 35/2ND ST

CP#11

SLOPE INTERCEPT

CONSTRUCTION LIMITS
STA 394+98.48N
MATCH EXISTING
SAWCUT REQ'D

EP: 395+62.73N

PI: 42+09.84

395+00N

S88° 42' 18"E

SLOPE INTERCEPT

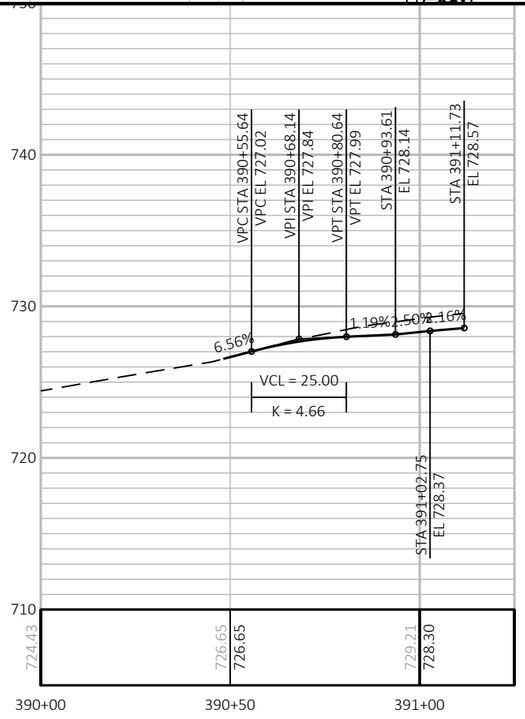
BM#40

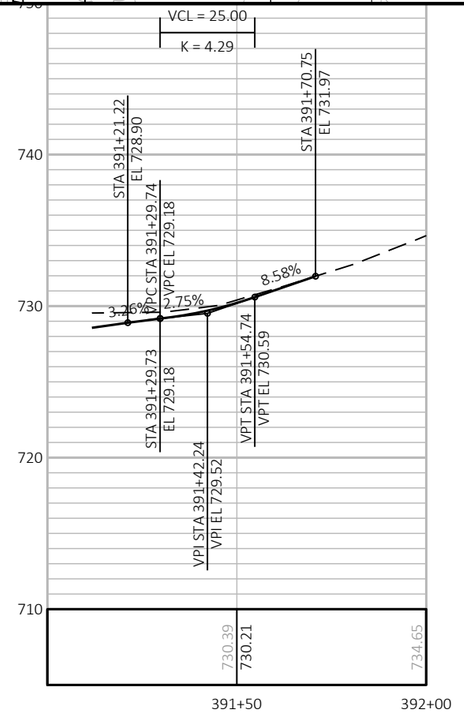
STA 42+02.88 =
STA 394+39.05 N

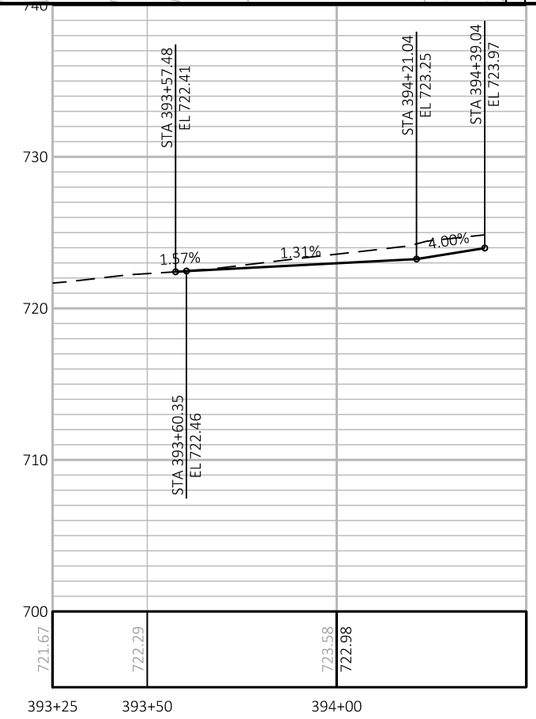
PI STA 394+39.05N
X = 510947.39
Y = 345075.85

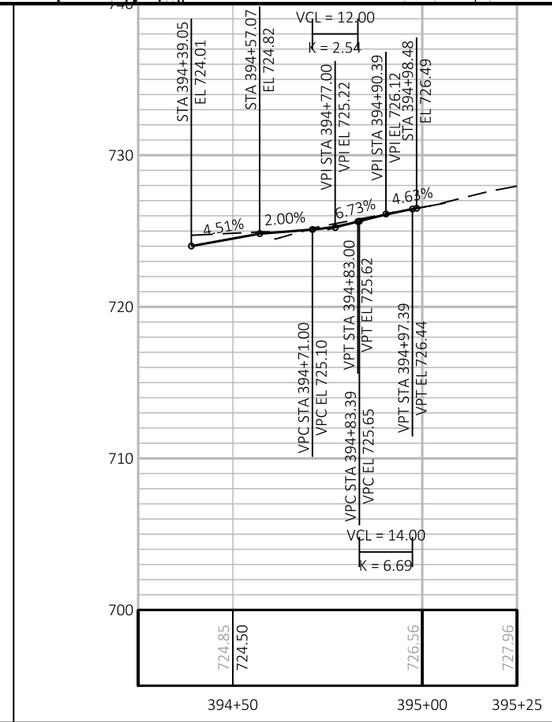
PI STA 395+62.73N
X = 511071.04
Y = 345073.05

ST CROIX ST









PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: MYRTLE ST & ST CROIX ST	SHEET 369	E

PI STA 396+00.00P
X = 510774.82
Y = 345537.78

PI STA 397+63.58P
X = 510938.40
Y = 345538.11

BP: 396+00.00P

SLOPE INTERCEPT

397+00P

N89° 53' 06"E

RIVER ST

CAUTION

CONSTRUCTION LIMITS
STA 396+67.57P
MATCH EXISTING
SAWCUT REQ'D

SLOPE INTERCEPT

STA 46+62.94 =
STA 397+63.58 P

STH 35/2ND ST

47+00

46+00

CONSTRUCTION LIMITS
STA 398+20.01P
MATCH EXISTING
SAWCUT REQ'D

STA 46+65.23 =
STA 397+63.58 P

SLOPE INTERCEPT

EP: 398+81.62P

398+00P

S89° 18' 02"E

N1° 06' 46"W

SLOPE INTERCEPT

BM#41

PI STA 397+63.58P
X = 510938.44
Y = 345535.82

PI STA 398+81.62P
X = 511056.48
Y = 345534.38

RIVER ST

PI STA = 399+15.35Q
X = 510859.23
Y = 345992.91
DELTA = 3°40'57"
D = 11°59'52"
T = 15.35'
L = 30.69'
R = 477.56'
PC STA = 399+00.00Q
X = 510843.91
Y = 345991.91
PT STA = 399+30.69Q
X = 510874.58
Y = 345992.92
BK = N86°16'18"E
AH = N89°57'15"E

PI STA 399+85.67Q
X = 510929.56
Y = 345993.07

CP#12

SLOPE INTERCEPT

BP: 399+00.00Q

PT 399+30.69Q

CAUTION

CONSTRUCTION LIMITS
STA 399+23.81Q
MATCH EXISTING
SAWCUT REQ'D

SLOPE INTERCEPT

STA 51+20.27 =
STA 399+85.67 Q

52+00

N1° 08' 23"W

51+00

N1° 06' 46"W

PI: 51+20.27
N89° 50' 28"E

400+00Q

CONSTRUCTION LIMITS
STA 400+53.29Q
MATCH EXISTING
SAWCUT REQ'D

SLOPE INTERCEPT

EP: 401+22.32Q

S89° 21' 49"E

401+00Q

DIVISION ST

SLOPE INTERCEPT

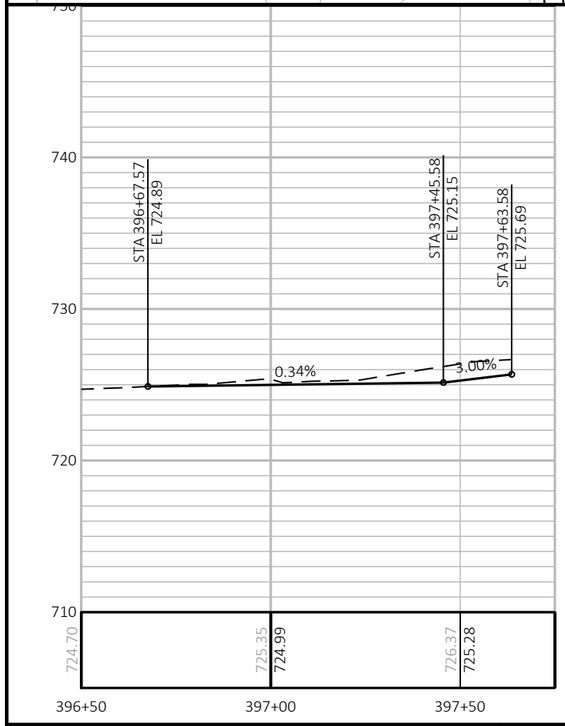
BM#42

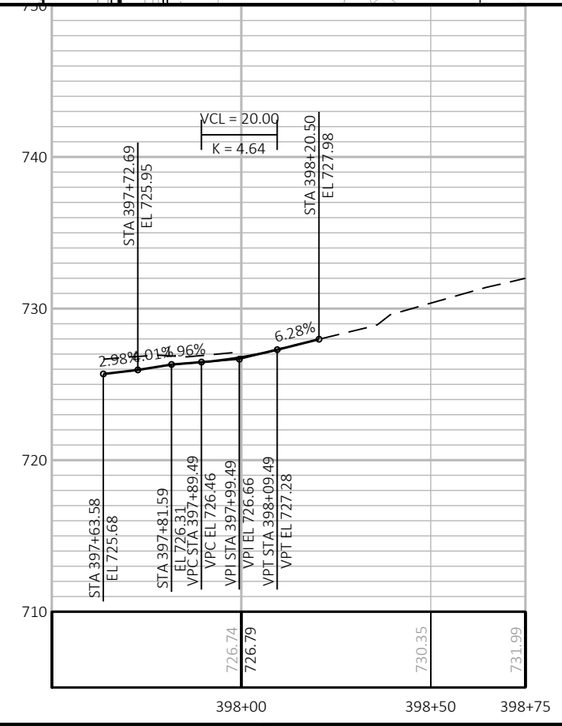
STA 51+19.79 =
STA 399+85.67 Q

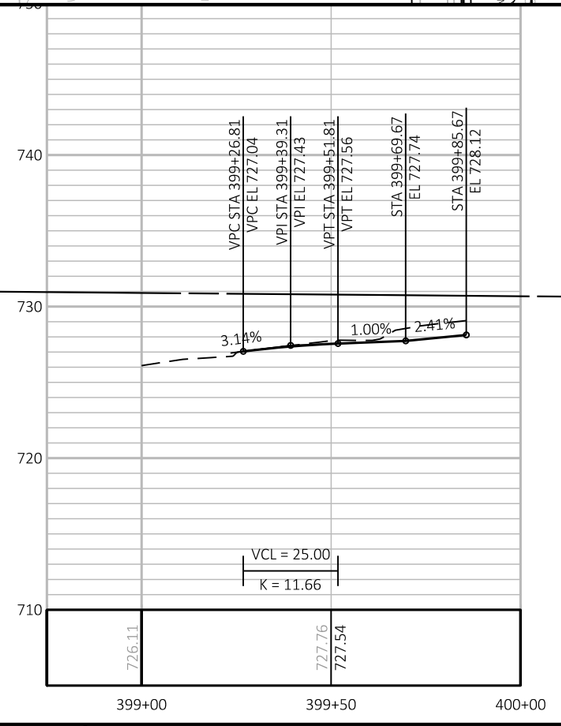
PI STA 399+85.67Q
X = 510929.57
Y = 345992.59

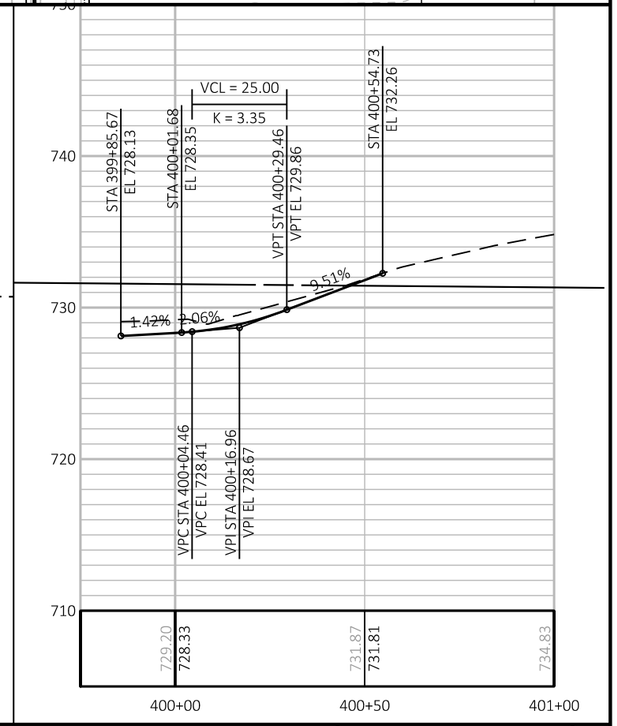
PI STA 401+22.32Q
X = 511066.21
Y = 345991.07

DIVISION ST





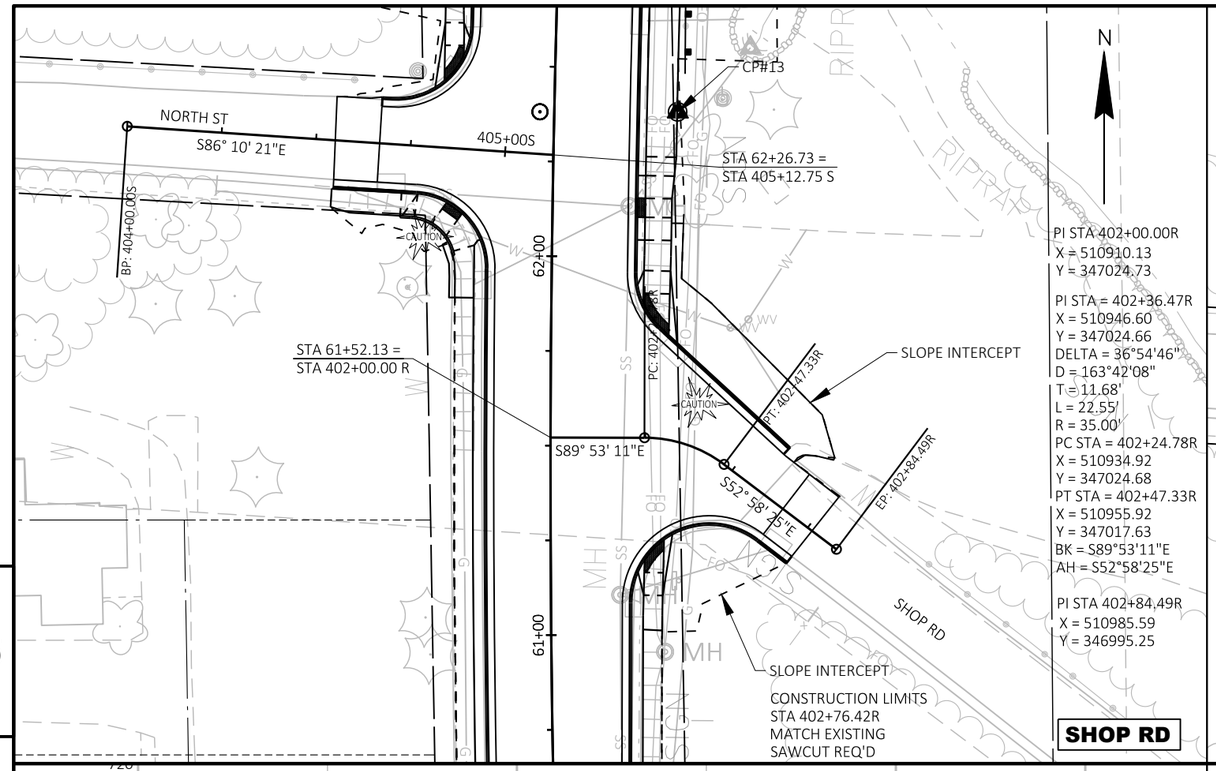


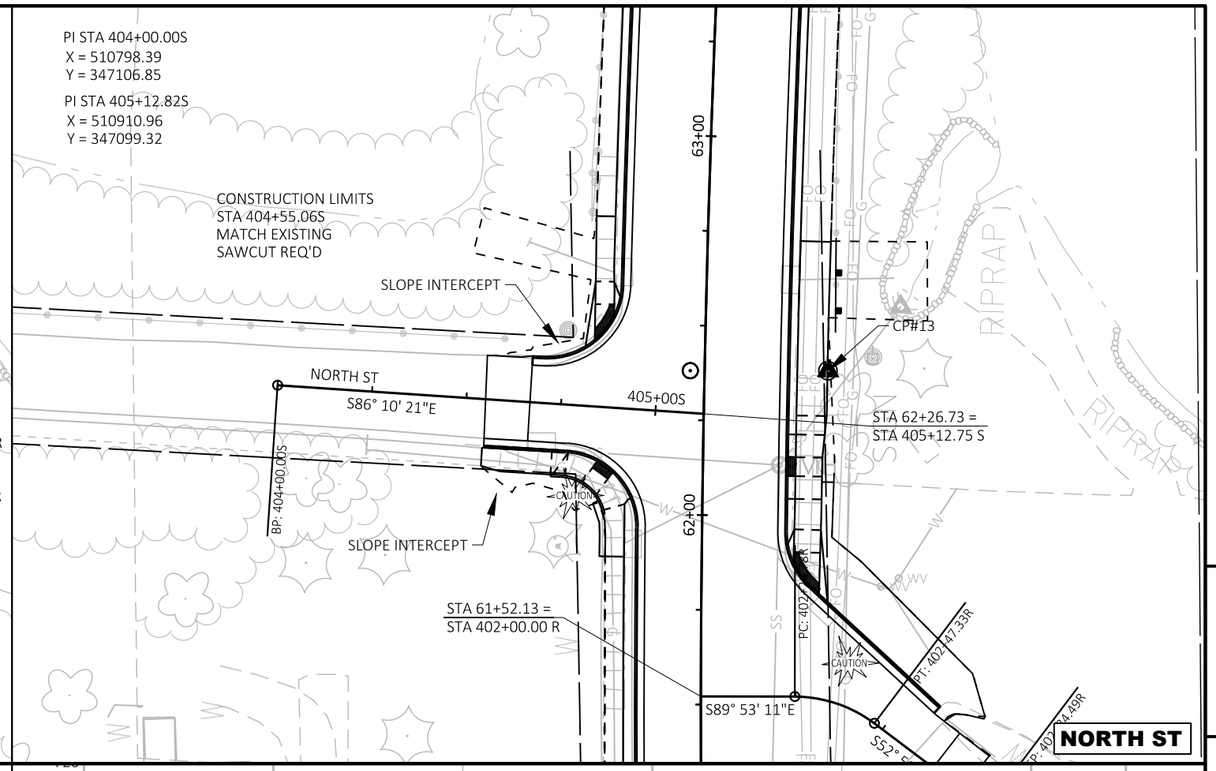


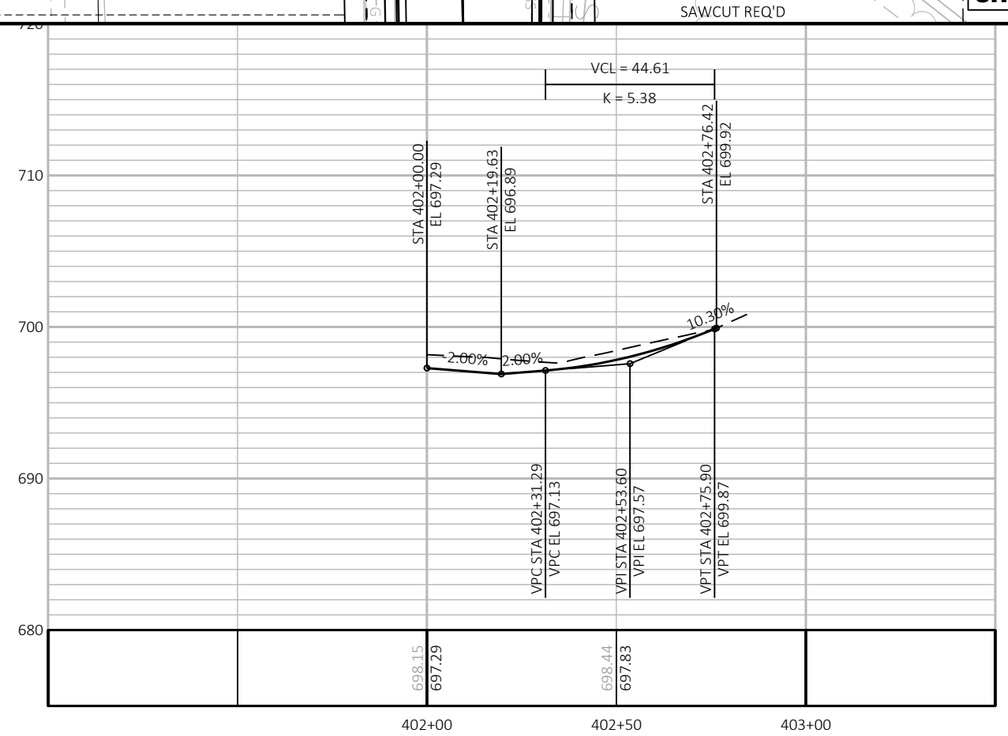
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: RIVER ST & DIVISION ST	SHEET 370	E

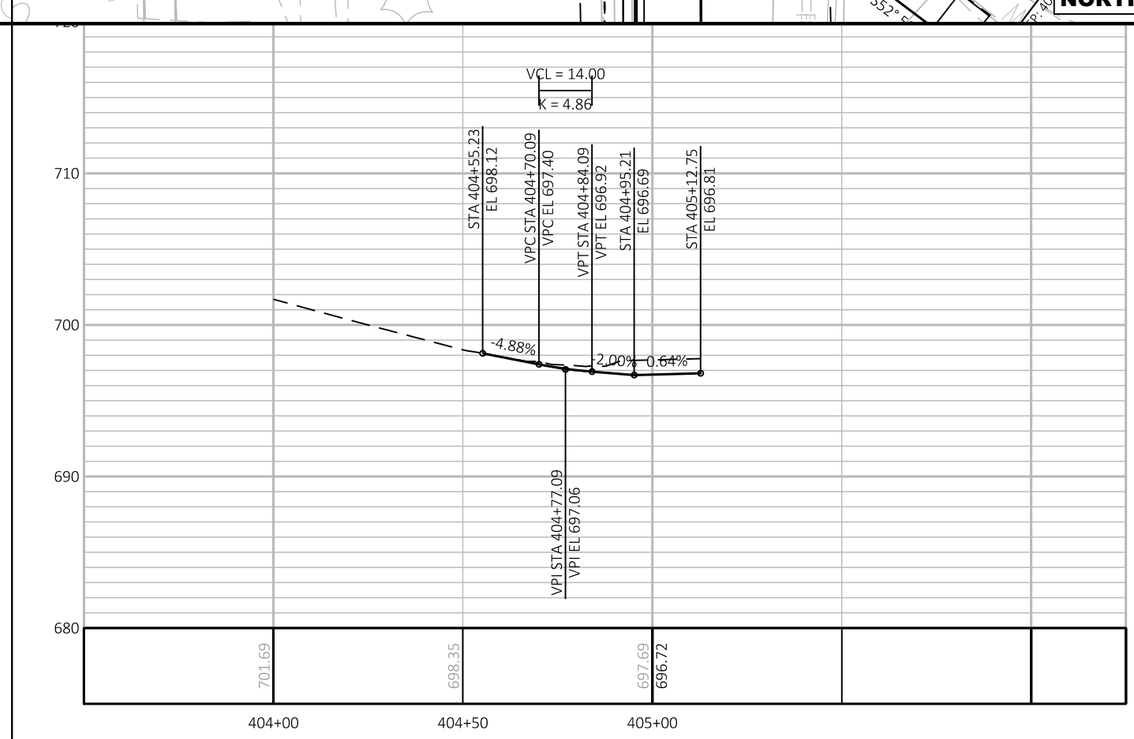
FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\050102_PP.DWG
LAYOUT NAME - 050120-pp

PLOT DATE : 1/7/2021 12:21 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT



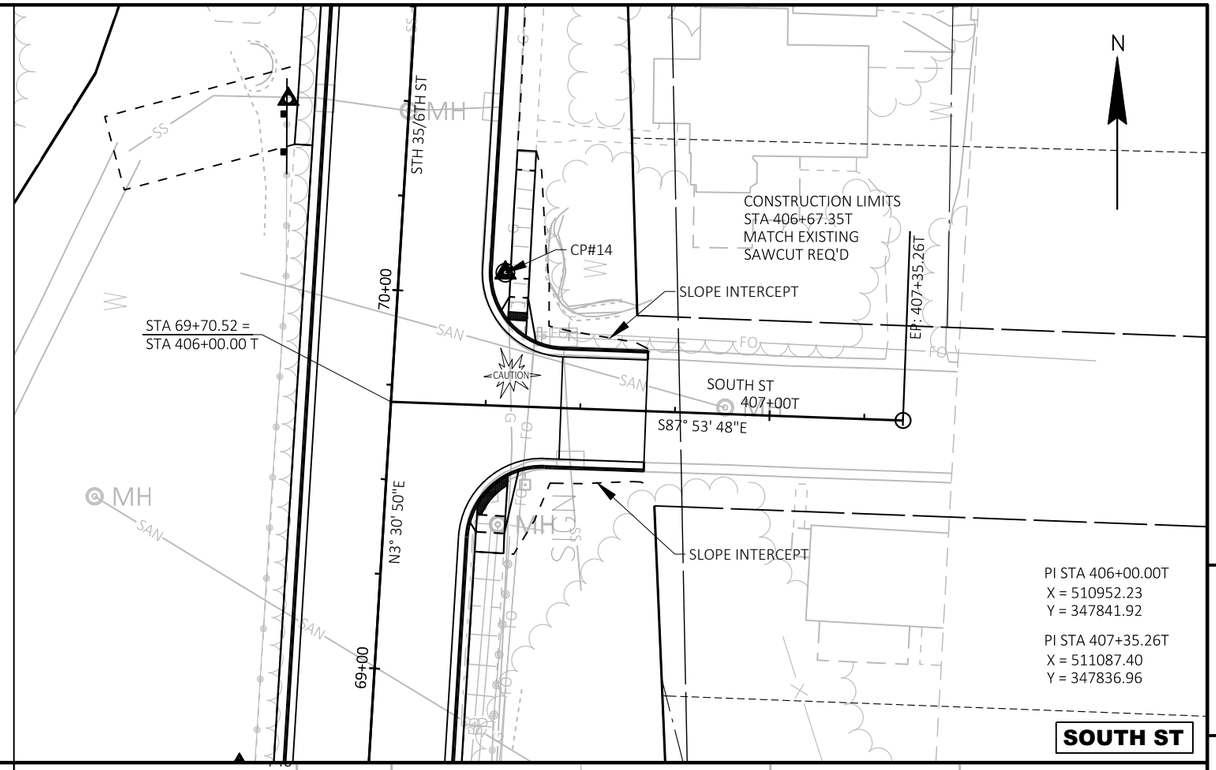


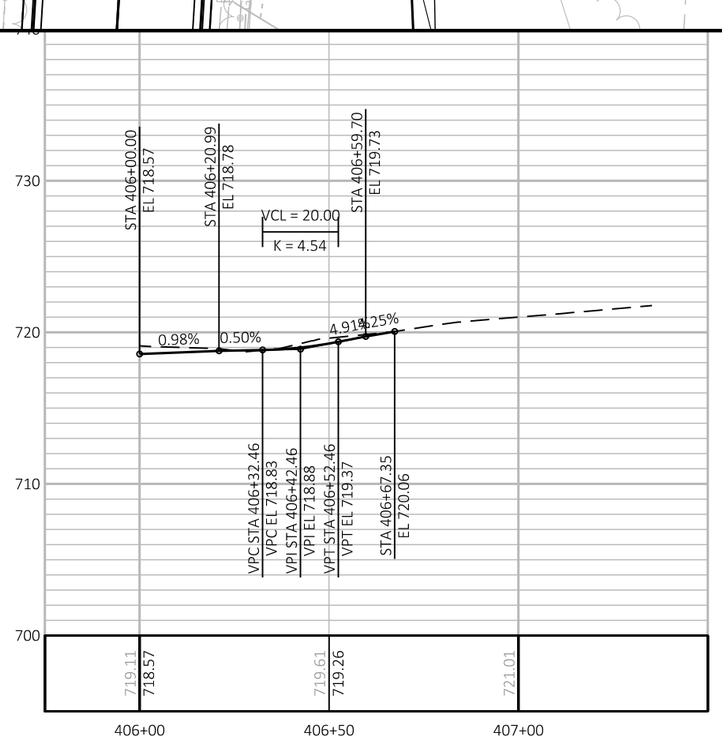




PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: SHOP RD & NORTH ST	SHEET 371 E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\050102_PP.DWG
LAYOUT NAME - 050121-pp
PLOT DATE : 7/29/2020 2:04 PM
PLOT BY : WOOLEVER, NATHAN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: SOUTH ST	SHEET 372	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\050103_PP.DWG
LAYOUT NAME - 050122-pp

PLOT DATE : 7/29/2020 1:51 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

PI STA 408+00.00U
X = 510856.09
Y = 348222.33

PI STA 409+19.36U
X = 510975.43
Y = 348220.39

STA 73+49.70 =
STA 409+19.36 U

CP#15

SLOPE INTERCEPT

BP: 408+00.00U

74+00

STH 35/6TH ST

N0° 53' 19"E

SLOPE INTERCEPT

CONSTRUCTION LIMITS
STA 409+86.90U
MATCH EXISTING
SAWCUT REQ'D

EP: 410+17.69U

CAUTION

SAN

PI: 73+48.79 409+00U

S89° 04' 13"E

410+00U

S89° 09' 23"E

WISCONSIN ST N

CONSTRUCTION LIMITS
STA 408+29.70U
MATCH EXISTING
SAWCUT REQ'D

SLOPE INTERCEPT

73+00

N3° 30' 50"E

STA 73+48.79 =
STA 409+19.36 U

SLOPE INTERCEPT

PI STA 409+19.36U
X = 510975.41
Y = 348219.48

PI STA 410+17.69U
X = 511073.74
Y = 348218.03

WISCONSIN ST N

PI STA 411+00.00V
X = 510884.36
Y = 348880.45

PI STA 412+01.29V
X = 510985.64
Y = 348878.75

BP: 411+00.00V

STA 80+08.14 =
STA 412+01.29 V

SLOPE INTERCEPT

CONSTRUCTION LIMITS
STA 411+52.00V
MATCH EXISTING
SAWCUT REQ'D

SLOPE INTERCEPT

412+00V

S89° 02' 15"E

CAUTION

81+00

80+00

STH 35/6TH ST

N0° 53' 19"E

CP#16

SLOPE INTERCEPT

EP: 412+96.79V

ST CROIX ST N

S88° 57' 56"E

CAUTION

SLOPE INTERCEPT

STA 80+06.99 =
STA 412+01.29 V

CONSTRUCTION LIMITS
STA 412+56.50V
MATCH EXISTING
SAWCUT REQ'D

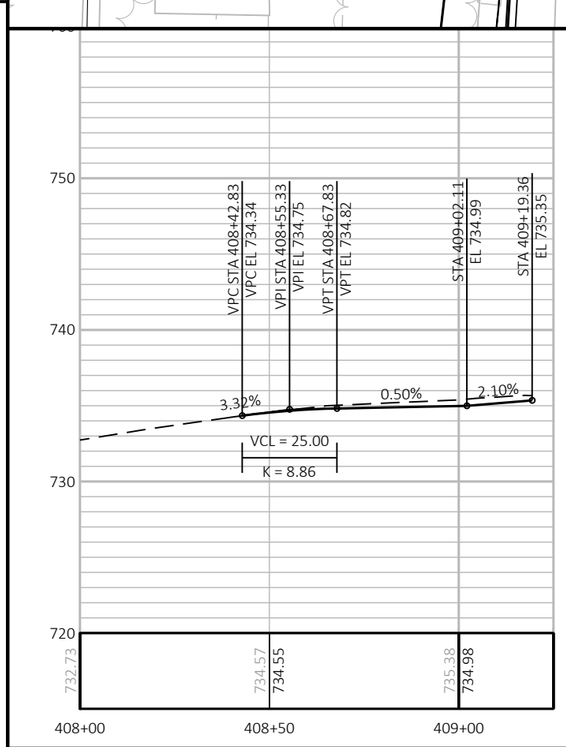
PI STA 412+01.29V
X = 510985.62
Y = 348877.61

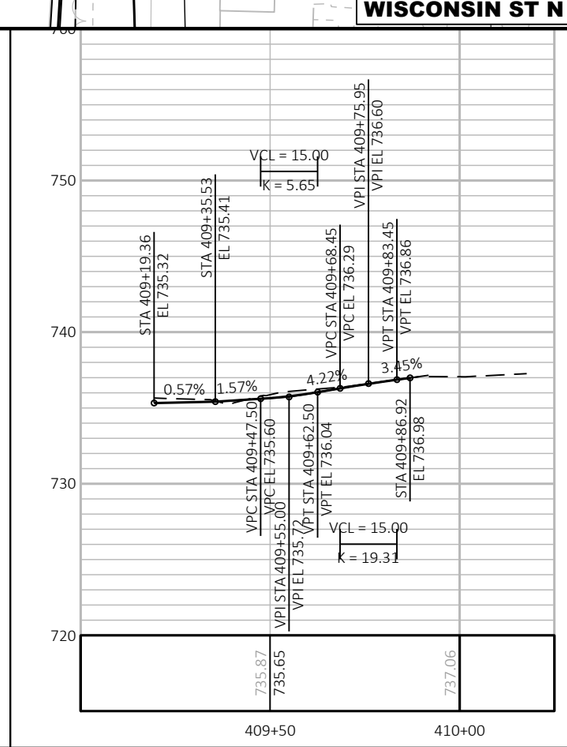
PI STA 412+96.79V
X = 511081.11
Y = 348875.88

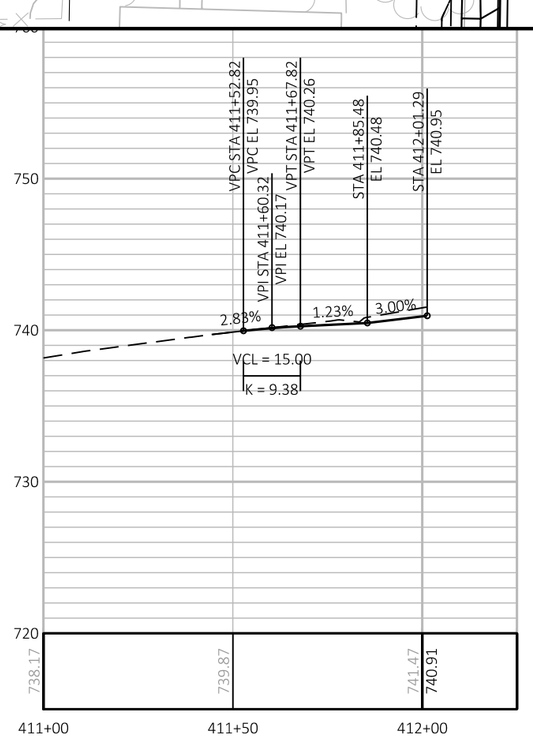
ST CROIX ST N

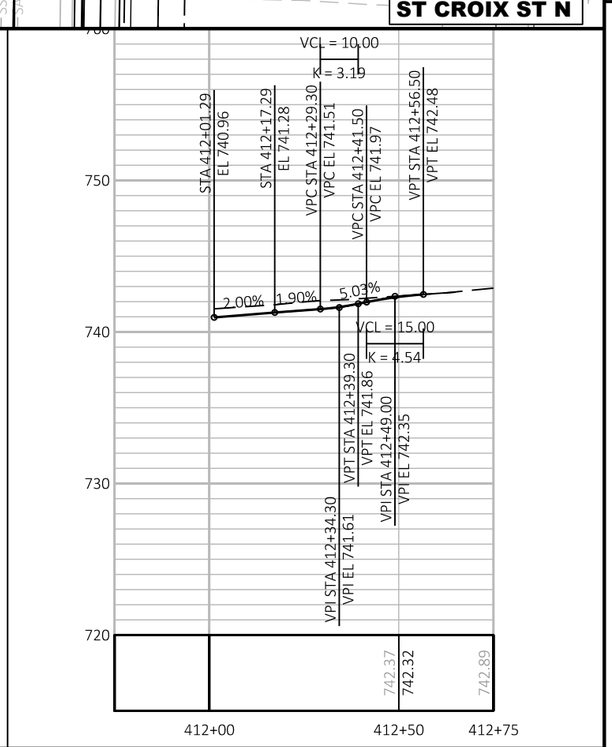
5

5



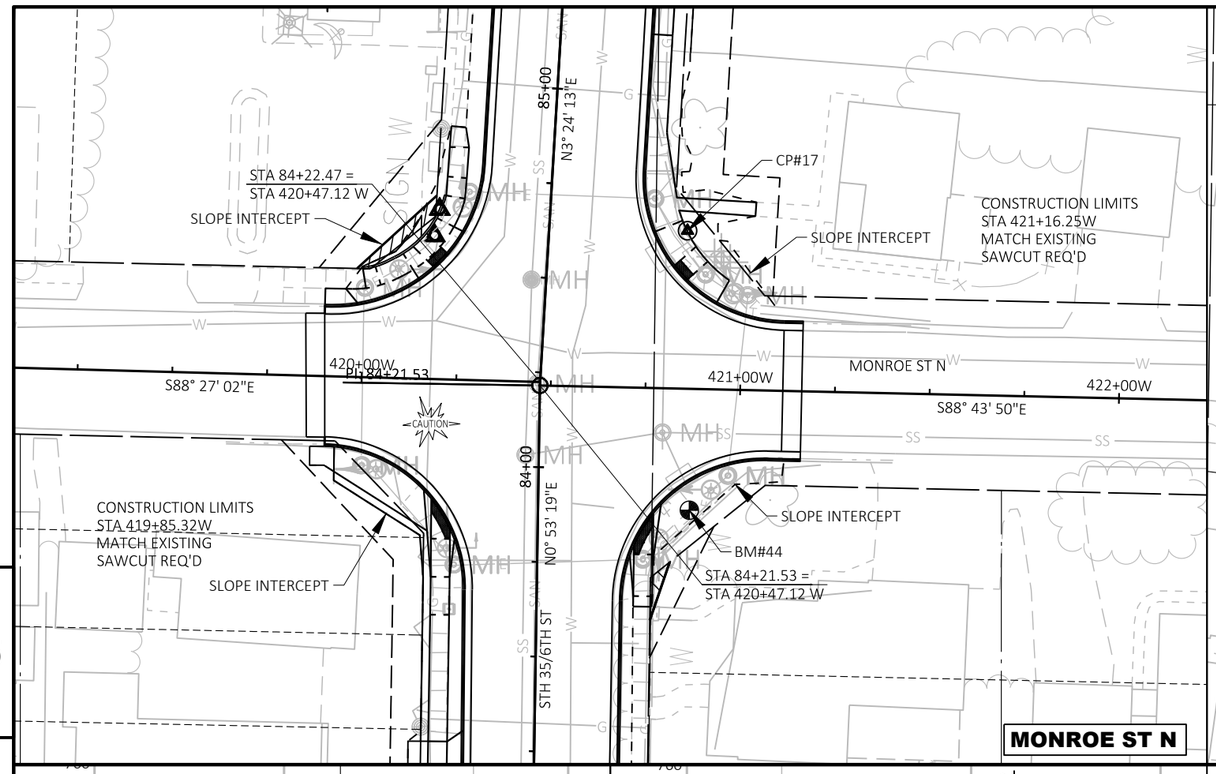


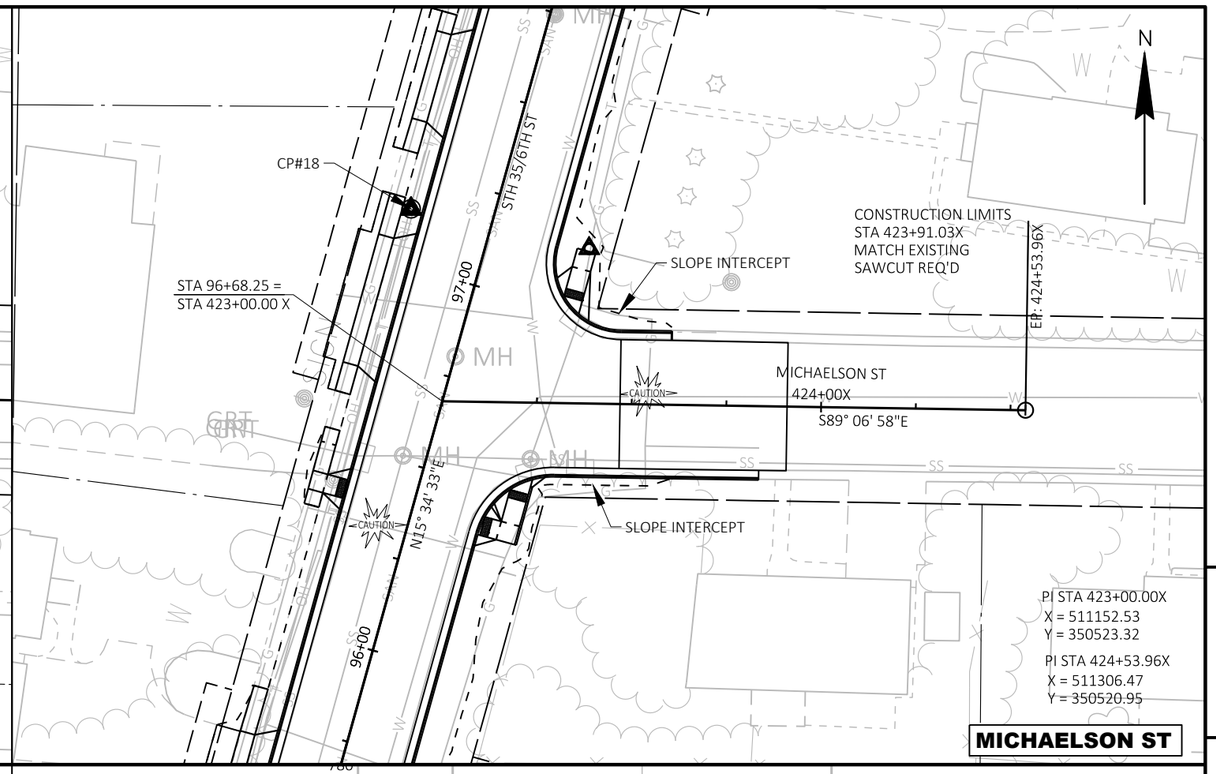


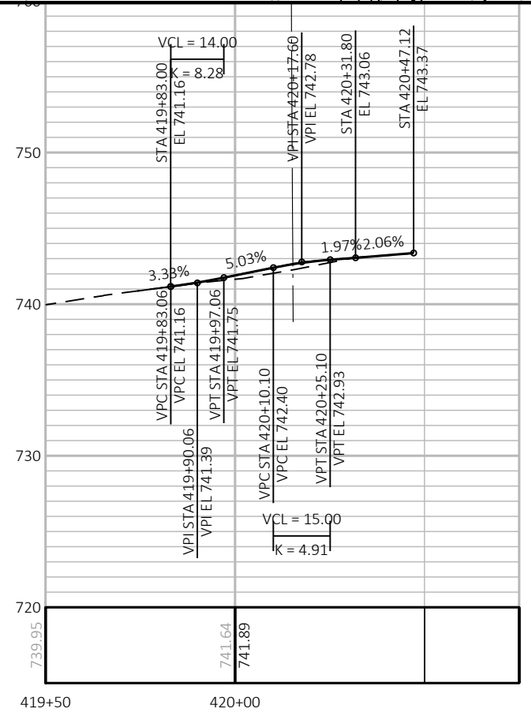


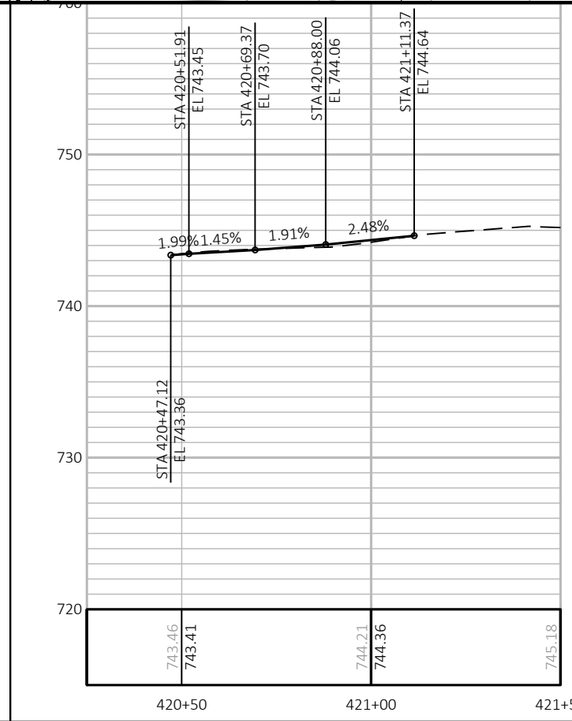
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: WISCONSIN ST N & ST CROIX ST N	SHEET 373	E

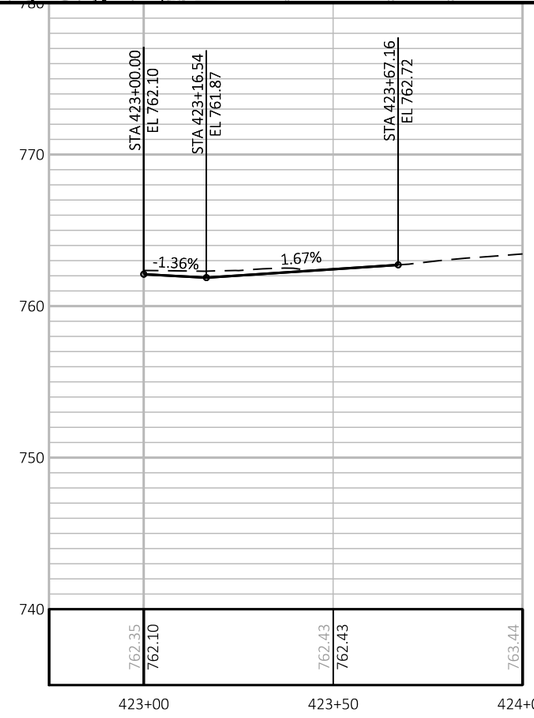
FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\050103_PP.DWG
LAYOUT NAME - 050123-pp
PLOT DATE : 7/29/2020 1:51 PM
PLOT BY : WOOLEVER, NATHAN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44





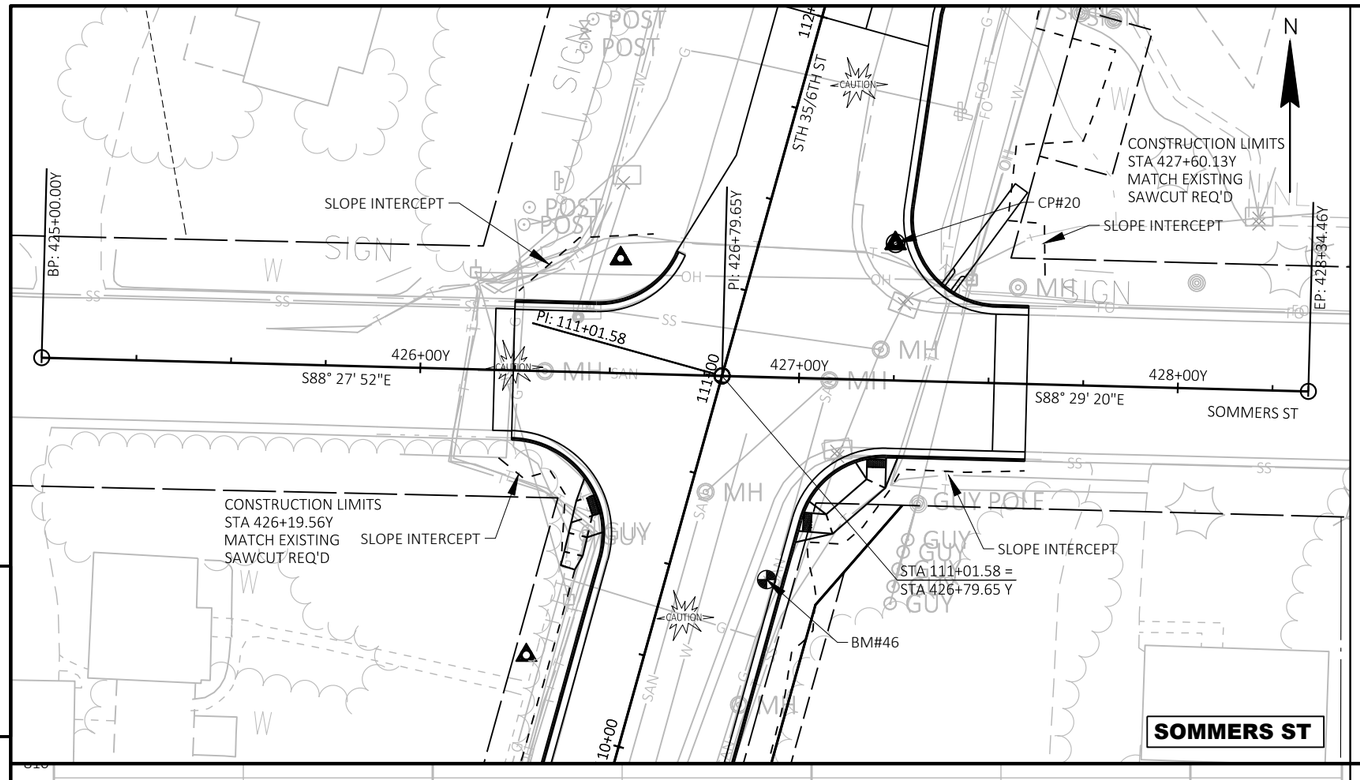


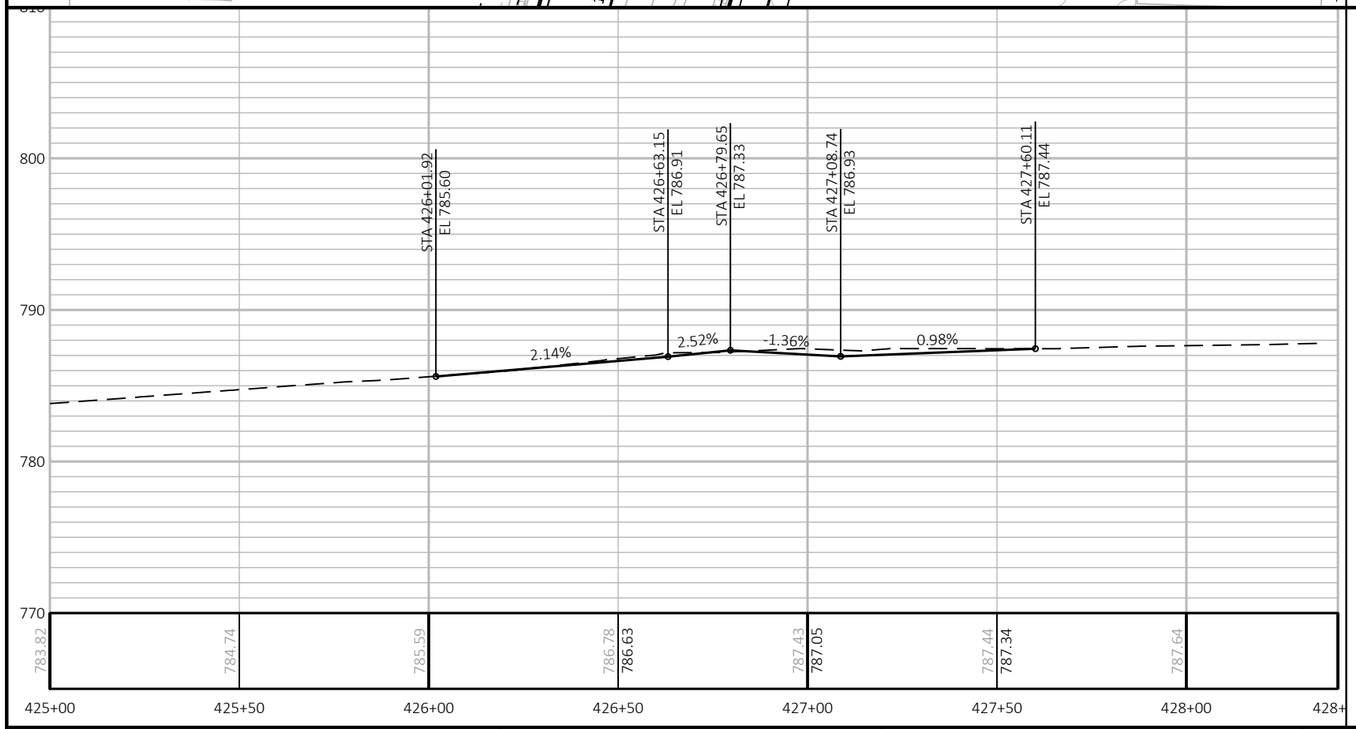




PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: MONROE ST N & MICHAELSON ST	SHEET 374	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\050103_PP.DWG
LAYOUT NAME - 050124-pp
PLOT DATE : 7/29/2020 1:52 PM
PLOT BY : WOOLEVER, NATHAN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT





PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	PLAN AND PROFILE: SOMMERS ST	SHEET 375 E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\050103_PP.DWG
LAYOUT NAME - 050125-pp

PLOT DATE : 7/29/2020 1:52 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

Standard Detail Drawing List

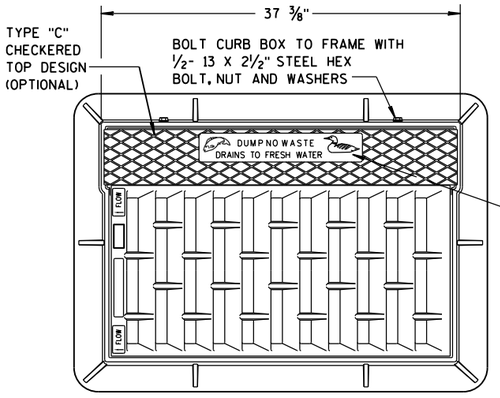
08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A08-02	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08A09-02	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-21A	CONCRETE CURB & GUTTER
08D01-21B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-02	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08D19-02	DRIVEWAY AND SIDEWALK RAMPS TYPE Z
08D20-01	DRIVEWAYS WITH CURB & GUTTER RETURNS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E15-01	CULVERT PIPE CHECK
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B04-11	PULL BOX
09B16-01	PULL BOX NON-CONDUCTIVE
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C06-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09C11-10	CONCRETE BASE TYPE 10
09C12-09A	CONCRETE BASE TYPE 13
09C12-09B	CONCRETE BASE TYPE 13
09C15-01	CONCRETE BASE TYPE 10 SPECIAL
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D02-03	SIGNAL CONTROL CABINET
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
09E01-15G	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.
09E08-08A	TYPE 9 POLE 15'-30' MONOTUBE ARM
09E08-08B	TYPE 10 POLE 15'-30' MONOTUBE ARM
09E08-08D	TYPE 13 POLE 35'-55' MONOTBE ARM
09E08-08E	GENERAL NOTES AND HARDWARE DETAILS FOR TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS
09E08-09F	TYPE 10 SPECIAL POLE 35' MONOTUBE ARM
09E08-09H	TYPE 10 SPECIAL POLE 45' MONOTUBE ARM
09F13-04	LOOP DETECTOR INSTALLED IN EXISTING ASPHALTIC PAVEMENT
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
09G01-04A	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04C	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
11B02-02	CONCRETE MEDIAN NOSE
13B02-09A	CONCRETE PAVEMENT APPROACH SLAB
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C09-15A	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-15B	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-15C	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C13-09	URBAN DOWELED CONCRETE PAVEMENT
13C18-07A	CONCRETE PAVEMENT JOINTING
13C18-07B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-07C	CONCRETE PAVEMENT JOINT TYPES
13C18-07D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES

6

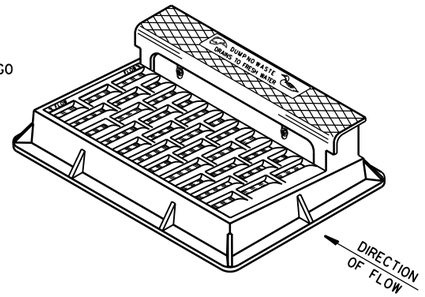
Standard Detail Drawing List

13C19-02	HMA LONGITUDINAL JOINTS
14A02-01	TREE PLANTING DETAIL
14B07-15A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15I	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B15-11A	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-11B	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-11C	STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS
15A04-05A	FLEXIBLE DELINEATOR POST
15A04-05B	DELINEATOR BRACKET WITH REFLECTIVE SHEETING
15A04-05C	DELINEATOR POST WITH REFLECTIVE SHEETING
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-08F	ADVANCED WIDTH RESTRICTION SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-15A	PAVEMENT MARKING SYMBOLS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15E	PAVEMENT MARKING FOR BIKE LANES
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20B	PAVEMENT MARKING (TURN LANES)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C11-07A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C18-04	MEDIAN ISLAND MARKING
15C19-06A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-06B	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C19-06C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C27-03A	DOUBLE ARROW WARNING SIGN PLACEMENT
15C27-03B	PAVEMENT MARKING (ISLANDS)
15C29-07A	BICYCLE LANE MARKING
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-04A	PAVEMENT MARKING (INTERSECTIONS)
15C36-01	PARKING STALL MARKING
15D03-05	TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H. WITH BARRIER
15D06-04	TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION
15D20-05C	TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D21-06A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-06B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-06A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-06B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D33-06	TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D40-01	TRAFFIC CONTROL, LANE SHIFT, MULTILANE DIVIDED OR ONE WAY ROAD
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
15D45-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
15D46-01	TRAFFIC CONTROL, ONE - WAY SIGNING

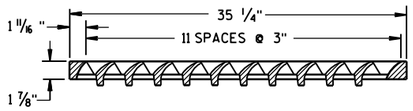
6

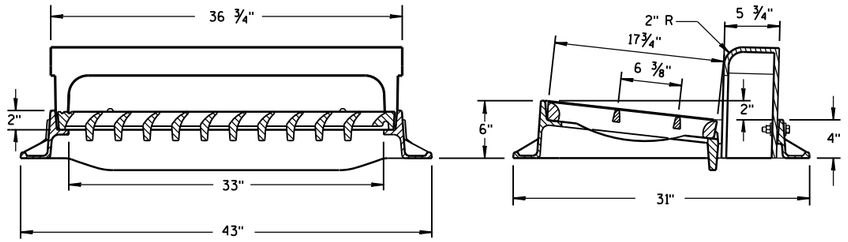


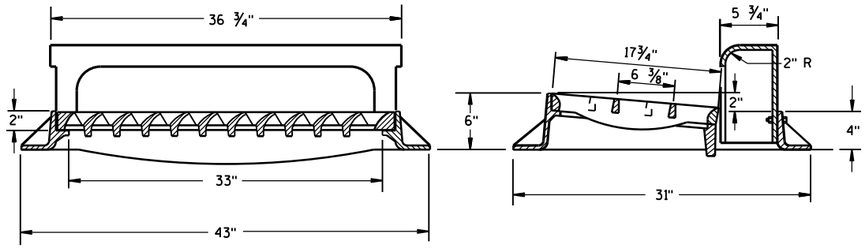
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

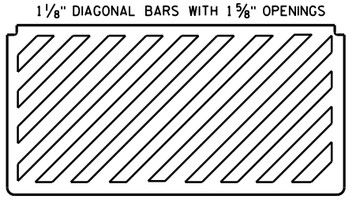






TYPE "H"

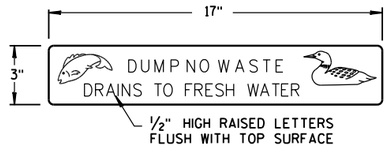
NOTE: EITHER CASTING IS ACCEPTABLE



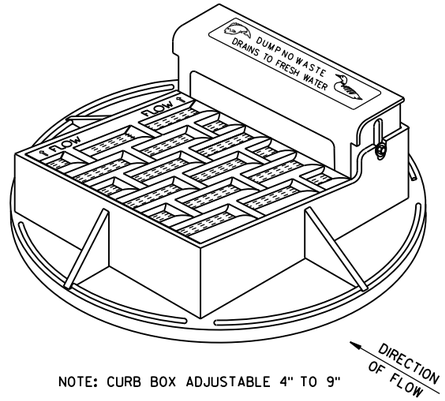
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

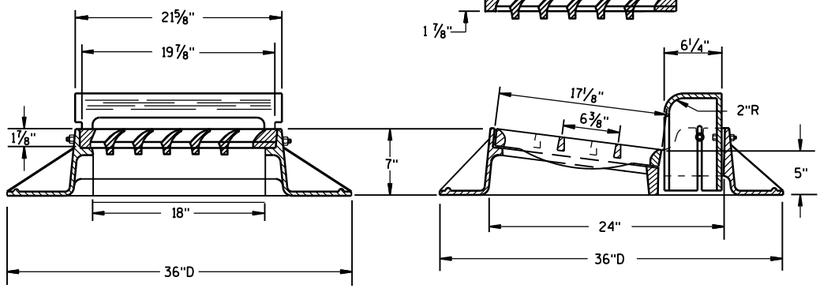


LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

NOTE:
GRATE IS REVERSIBLE.



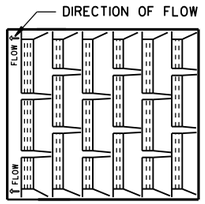
TYPE "A"

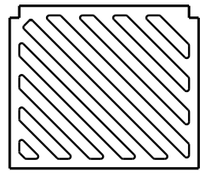
GENERAL NOTES

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

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

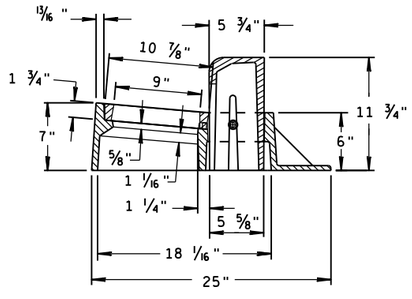


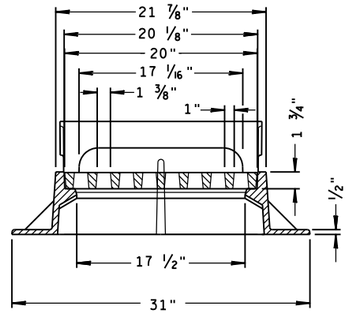


SPECIAL GRATE FOR TYPE "A" COVER

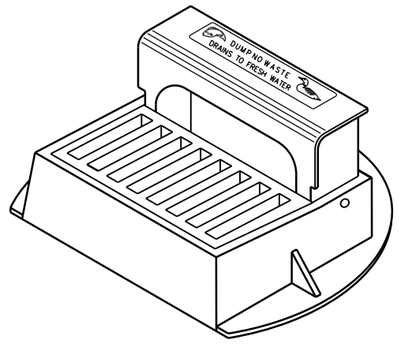
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"

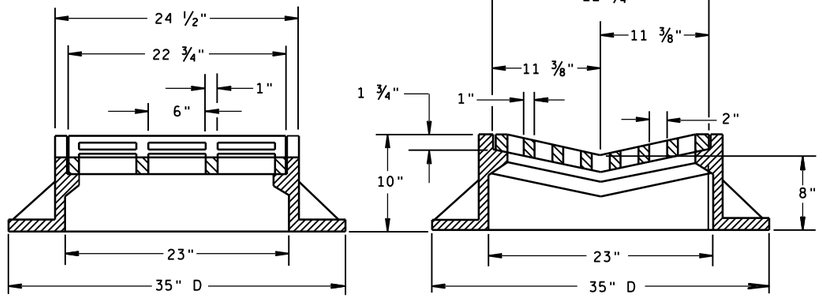


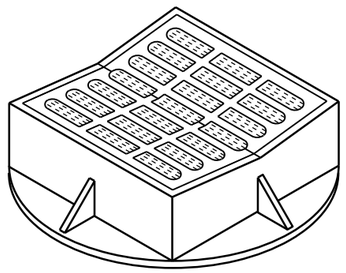
INLET COVERS TYPE A, H, A-S, H-S & Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

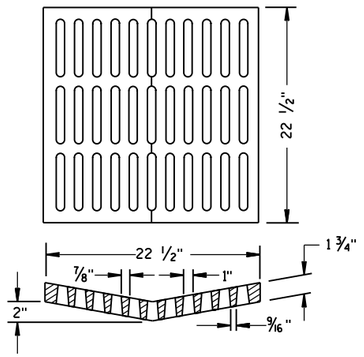
APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

S.D.D. 8 A 5-19a



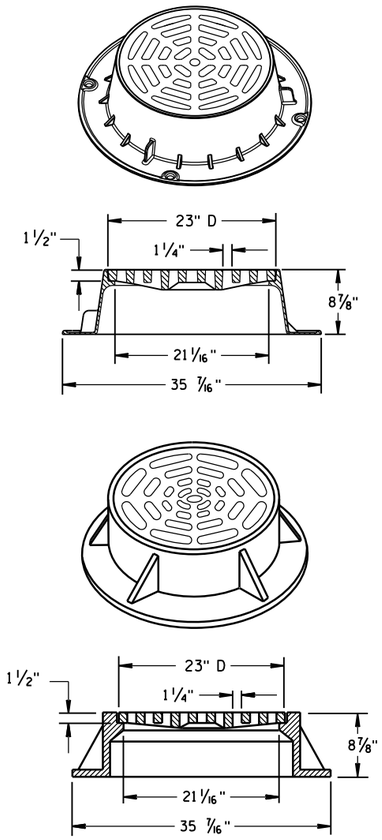


TYPE "B"



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"

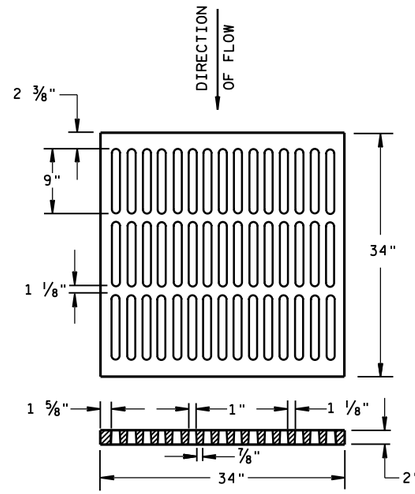
NOTE: EITHER CASTING IS ACCEPTABLE

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.

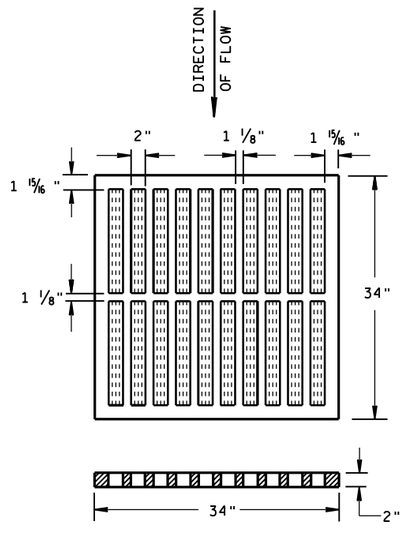
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



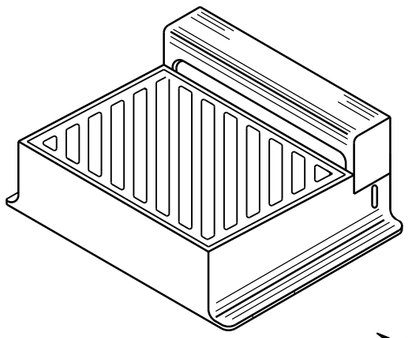
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

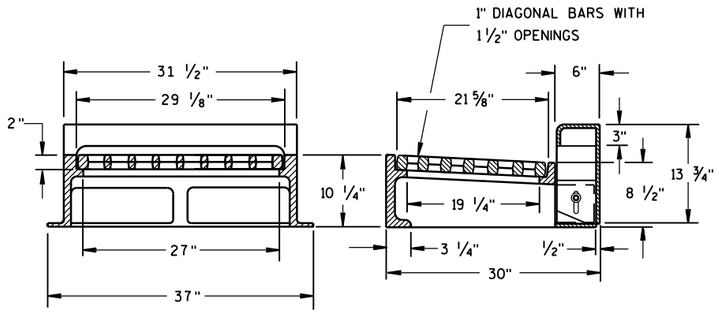


TYPE "MS"

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.



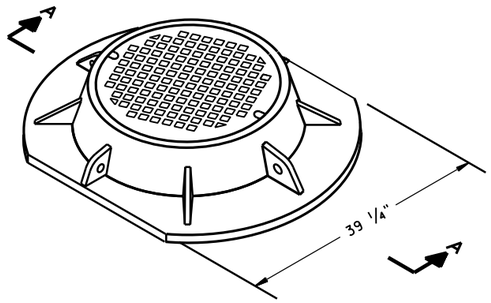
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

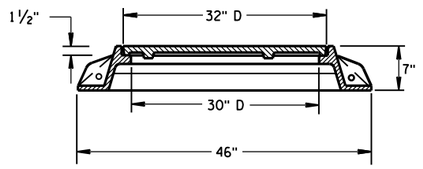
TYPE "WM"

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	

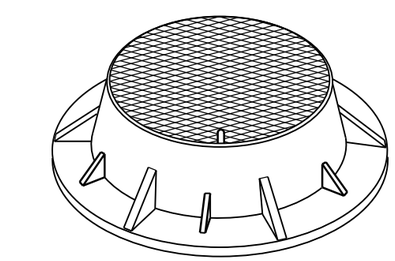
6

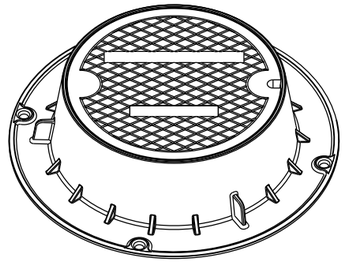
S.D.D. 8 A 5-19b

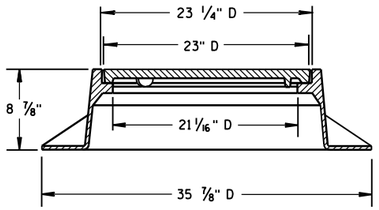


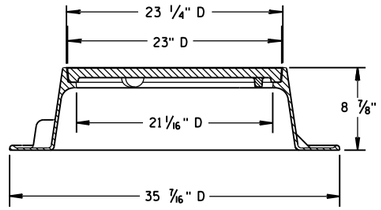


SECTION A-A
TYPE "K"









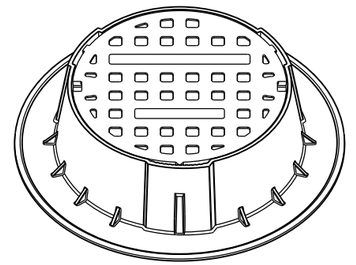
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

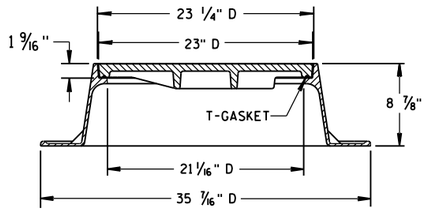
GENERAL NOTES

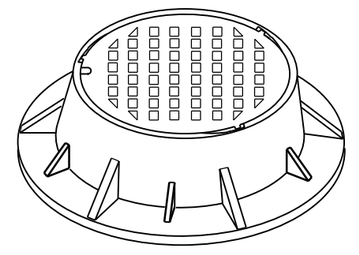
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

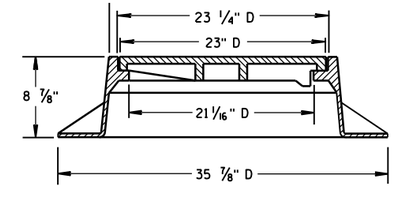
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

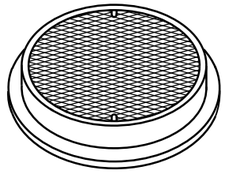


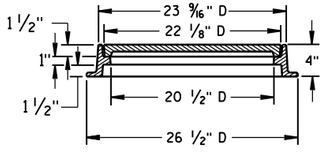






TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE





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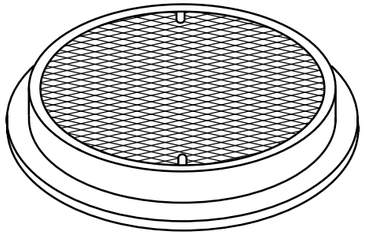

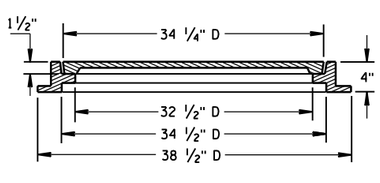

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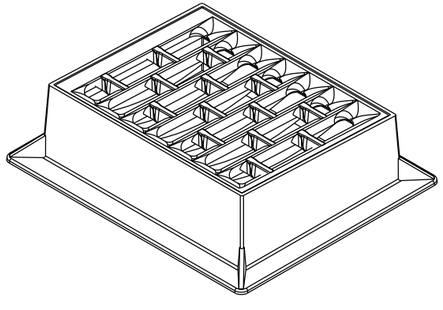
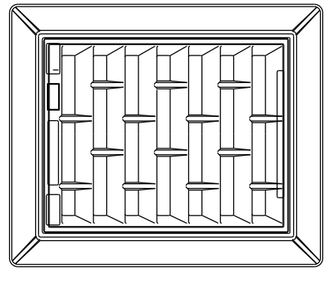
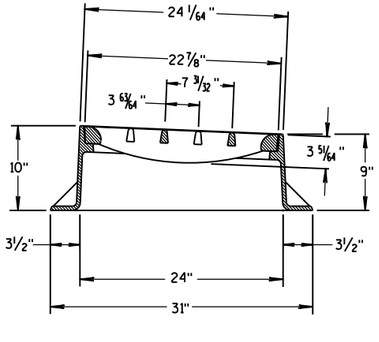
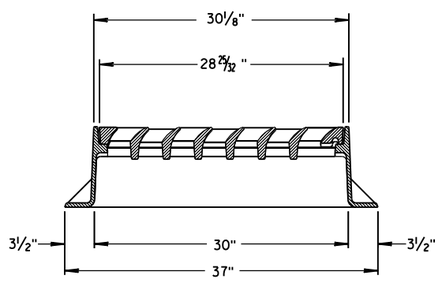








INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

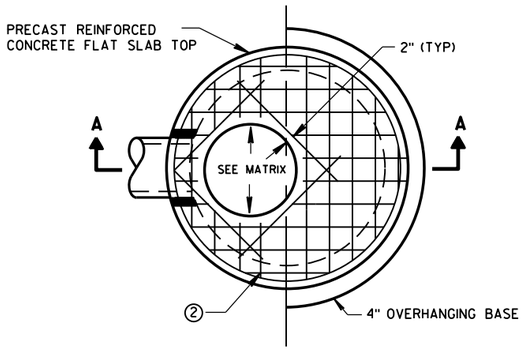
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

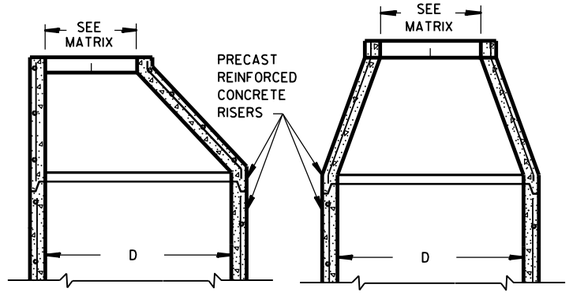
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

S.D.D. 8 A 5-19d

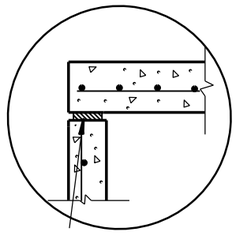


PLAN VIEW CIRCULAR OPENING

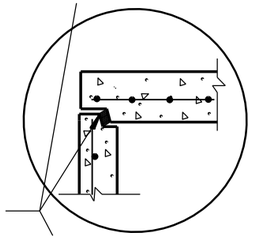


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

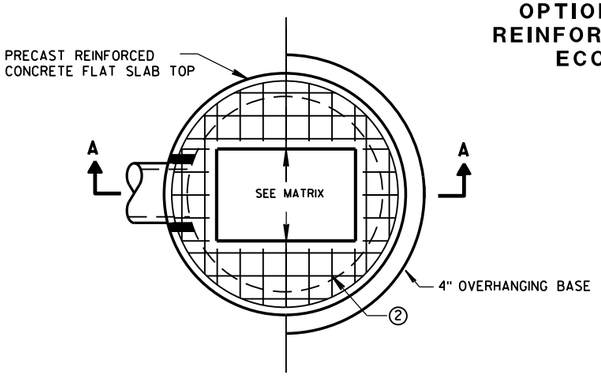
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



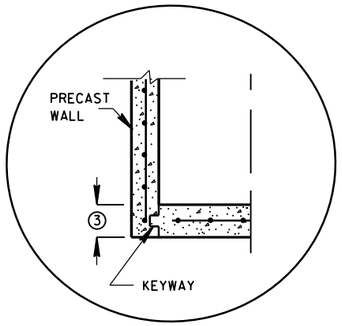
TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT

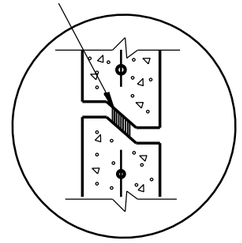


PLAN VIEW RECTANGULAR OPENING



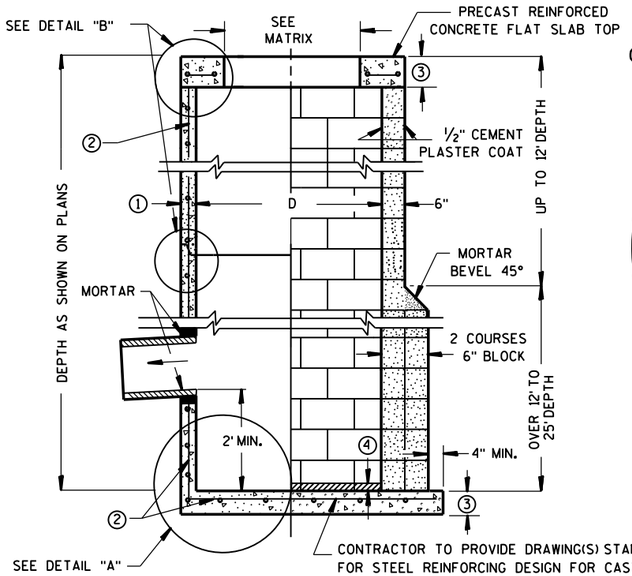
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



RISER WITH TONGUE AND GROOVE JOINT

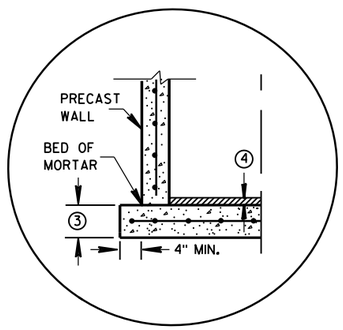
DETAIL "B"



SECTION A-A

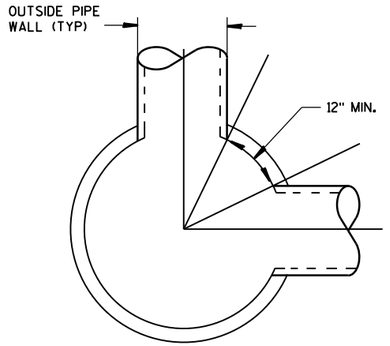
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

ALL PRECAST 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.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT AND 7 INCHES FOR 6-FT DIAMETER PRECAST CATCH BASINS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

④ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER OPENING MATRIX

CATCH BASIN SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT)											
3-FT	2X2	X	X					X		X		
	2 DIA.				X							X
4-FT-6-FT	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2 DIA.				X							X
	2X3						X					
	2.5X3					X						

PIPE MATRIX

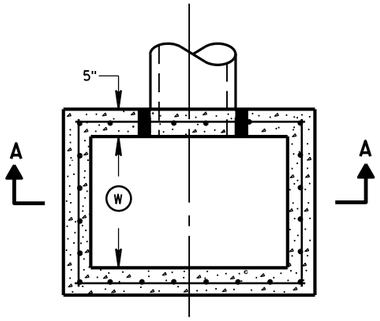
CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	30

CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

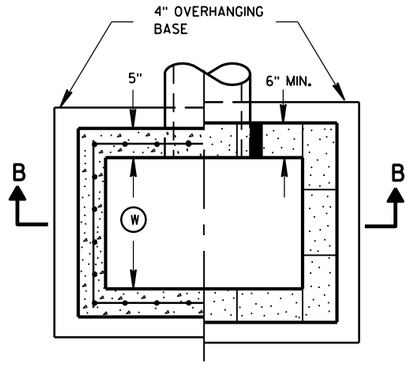
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

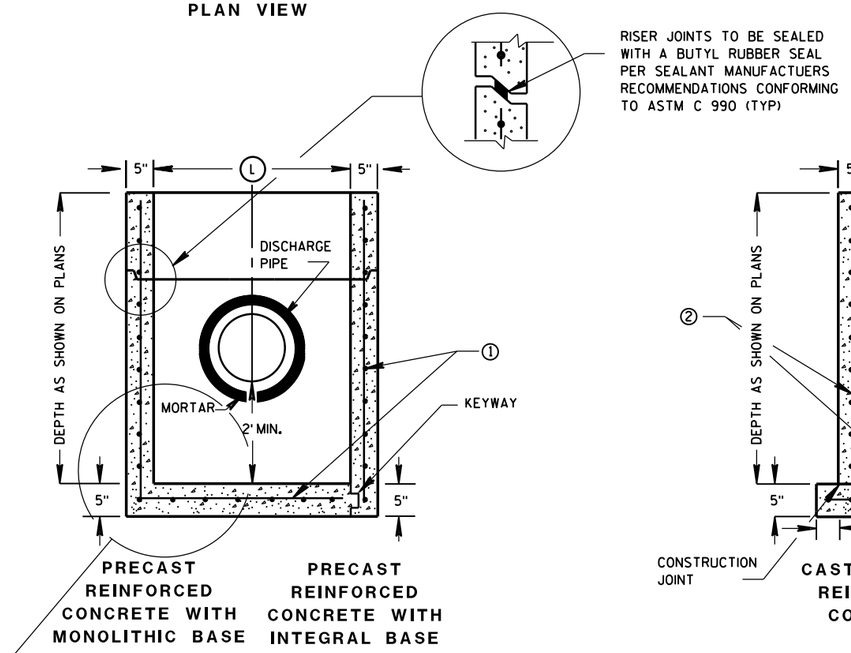
S.D.D. 8 A 8-2



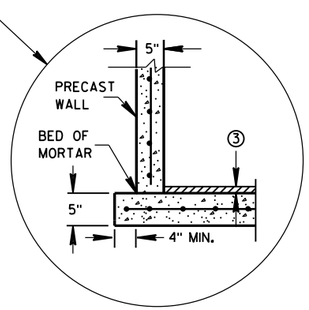
PLAN VIEW



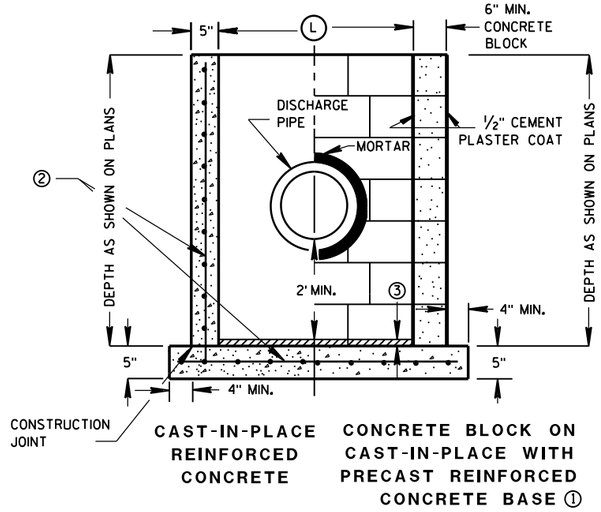
PLAN VIEW



SECTION A-A



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION



SECTION B-B

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN 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 CATCH BASIN UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST CATCH BASINS 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.

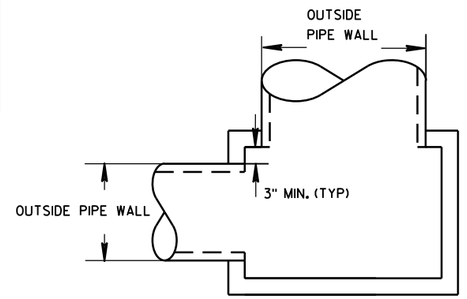
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE		INLET COVER TYPE	F	ALL H'S
	WIDTH (W) (FT)	LENGTH (L) (FT)		
2X3-FT	2	3		X
2.5X3-FT	2.5	3	X	

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

CATCH BASINS 2X3-FT AND 2.5X3-FT

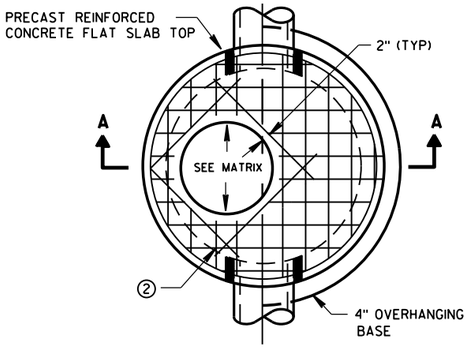
CATCH BASINS 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

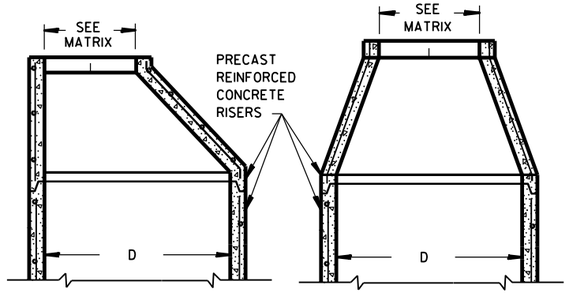
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

6

S.D.D. 8 A 9-2

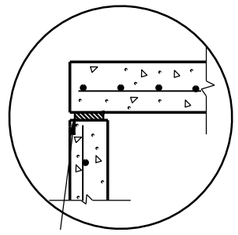


PLAN VIEW CIRCULAR OPENING

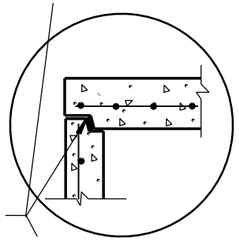


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

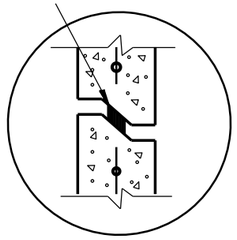


TOP WITH PLAIN END JOINT



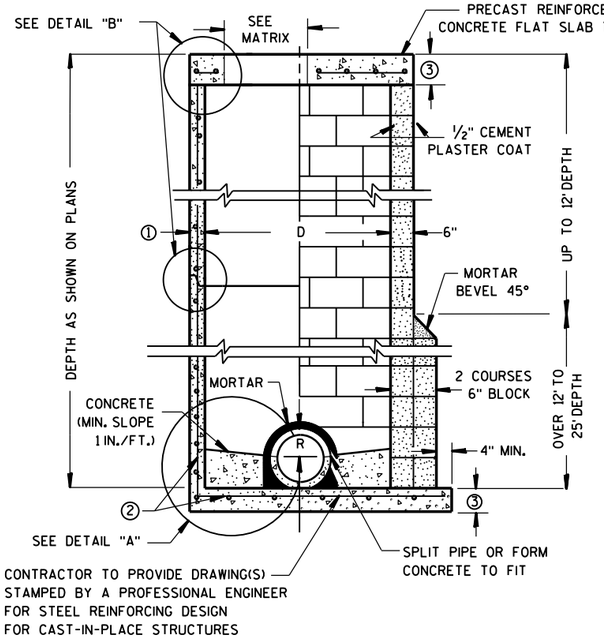
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



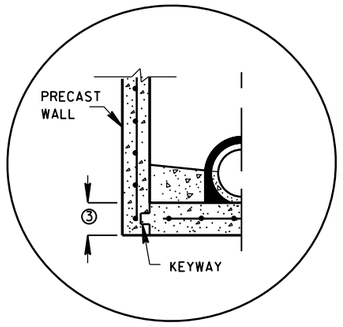
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

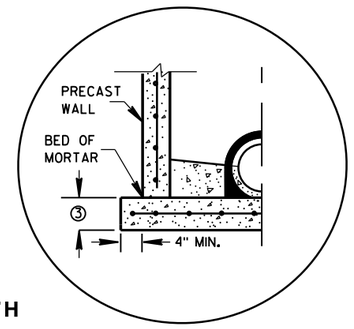


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

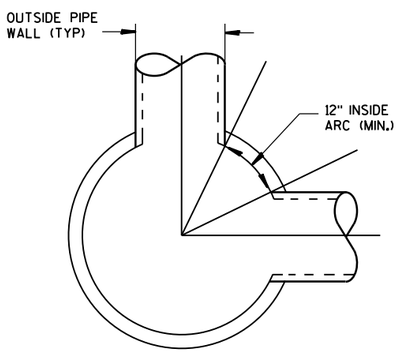


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

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 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

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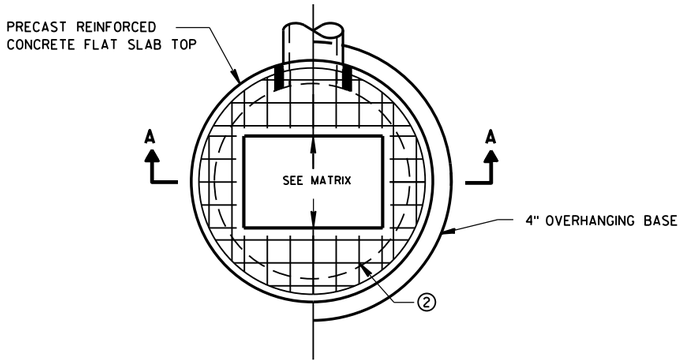
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

6

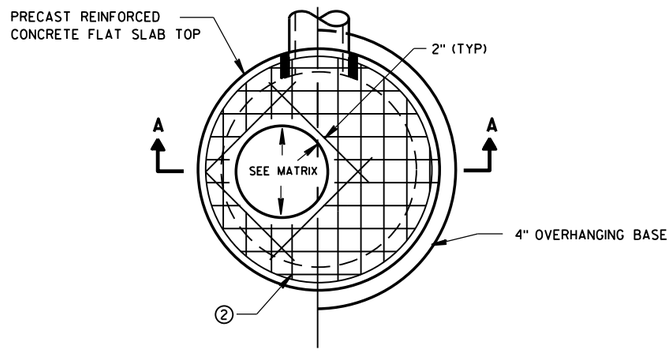
S.D.D. 8 B 9-2

6

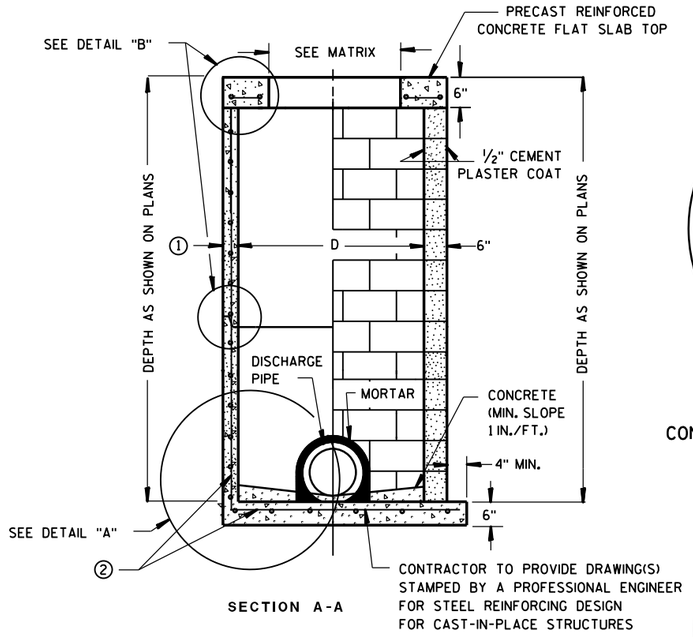
S.D.D. 8 B 9-2



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

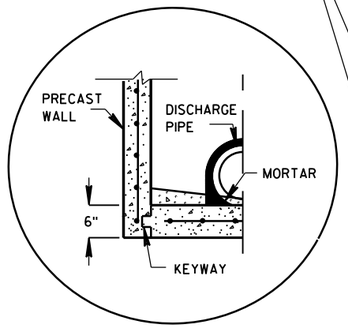


SECTION A-A

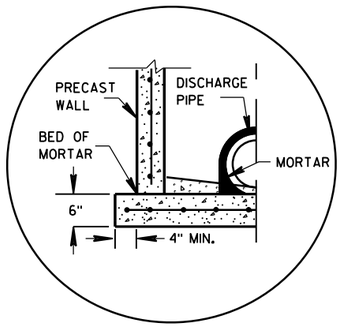
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

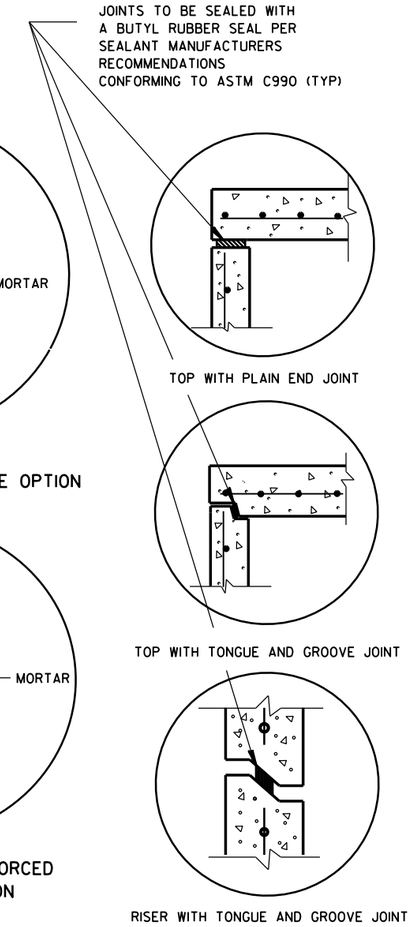


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



TOP WITH PLAIN END JOINT

TOP WITH TONGUE AND GROOVE JOINT

RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

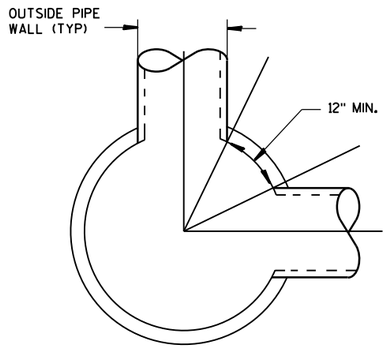
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

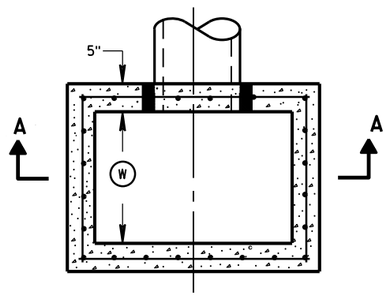
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS | UNIT SUPERVI ENT
FHWA

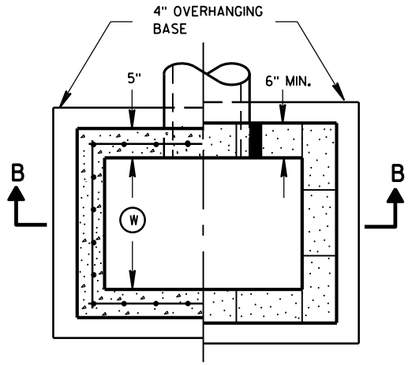
INLETS 3-FT AND 4-FT DIAMETER

6

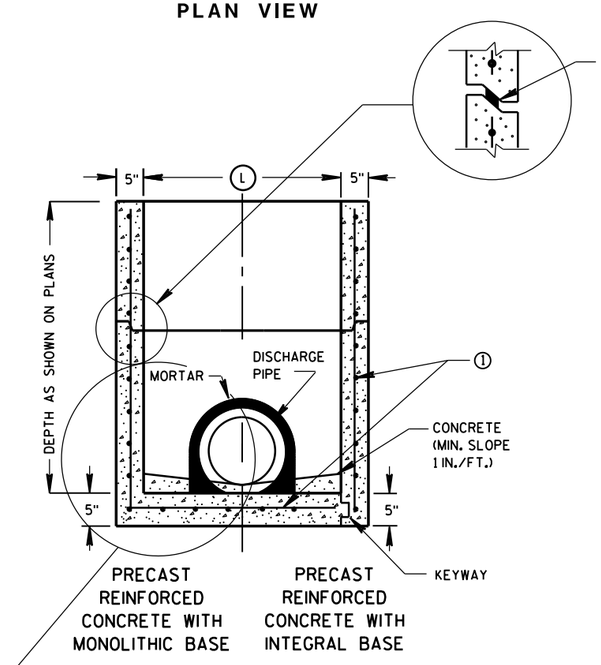
S.D.D. 8 C 6-2



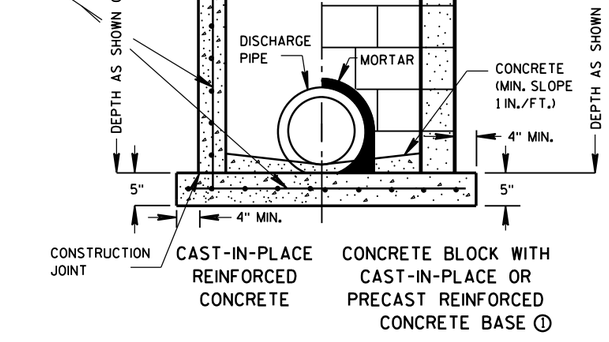
PLAN VIEW



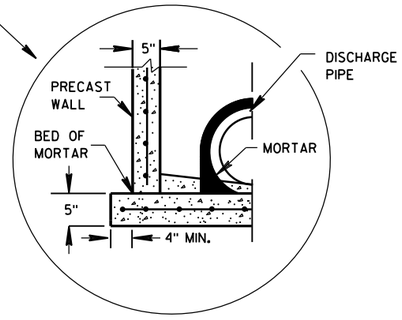
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

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ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

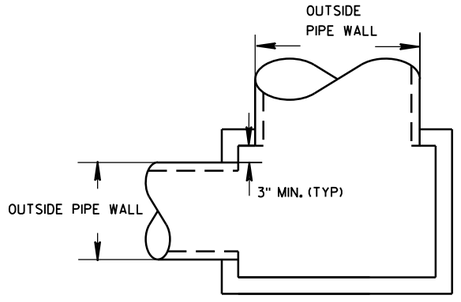
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

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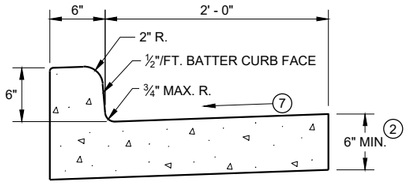
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

6

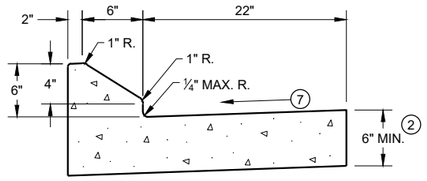
S.D.D. 8 C 7-2

6

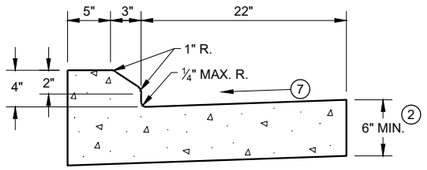
S.D.D. 8 C 7-2



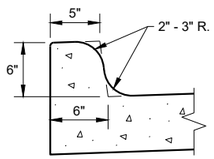
TYPES A[1] & D



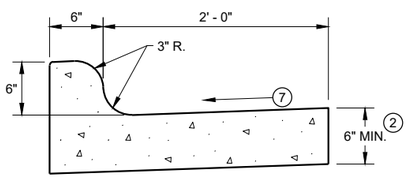
6" SLOPED CURB TYPES G[1] & J



4" SLOPED CURB TYPES G[1] & J

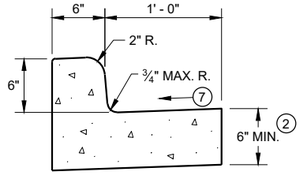


TYPES K[1] & L
(OPTIONAL CURB SHAPE)



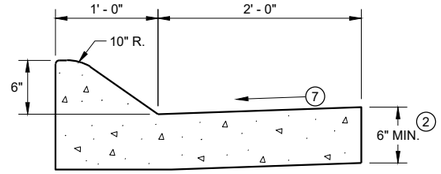
TYPES K[1] & L

CONCRETE CURB AND GUTTER 30"

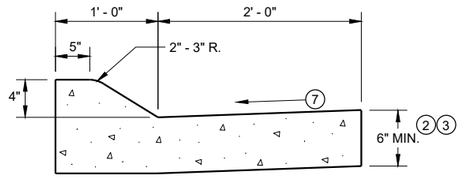


TYPES A[1] & D

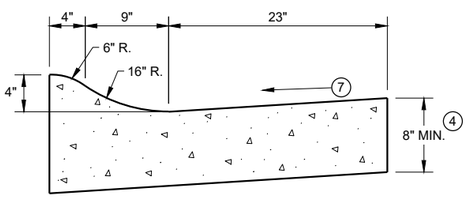
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A[1] & D



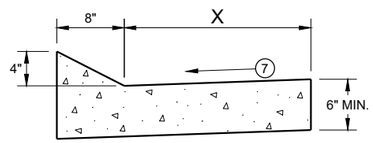
4" SLOPED CURB TYPES A[1] & D



4" SLOPED CURB TYPES R[1] & T[5]

CONCRETE CURB AND GUTTER 36"

TBT & TBTT	X
30"	22"
36"	28"

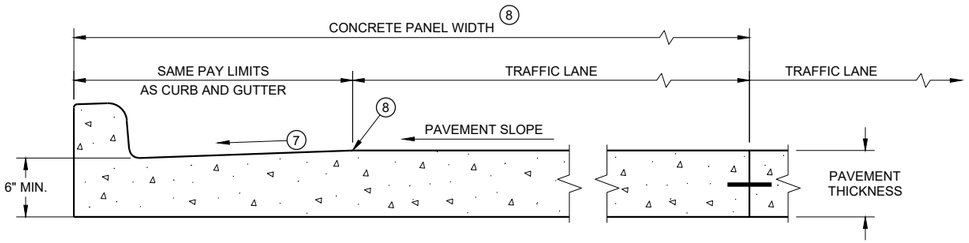


TYPES TBT & TBTT[1]

CONCRETE CURB AND GUTTER

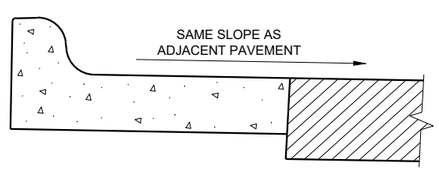
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

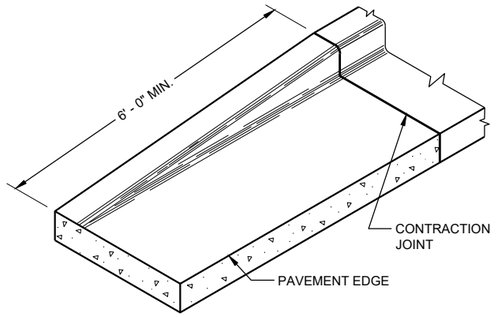
1. TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.
2. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
3. USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH 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. 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.

CONCRETE CURB AND GUTTER

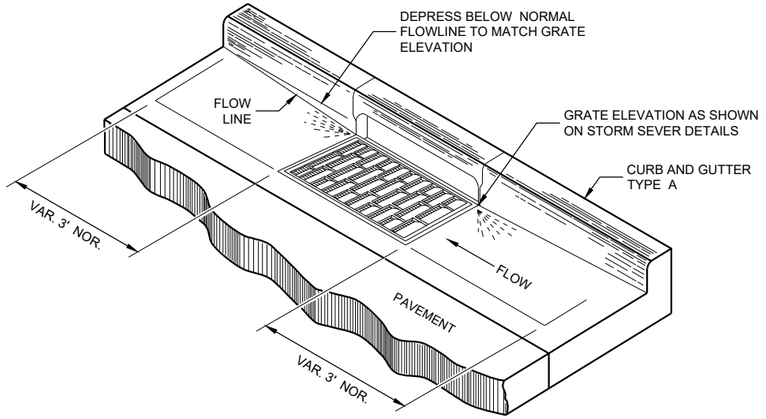
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D01 - 21a



END SECTIONCURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

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

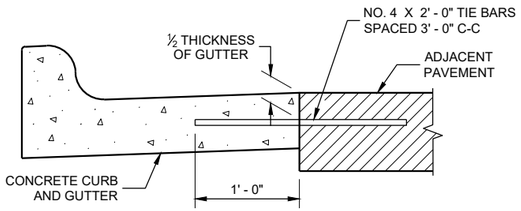
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

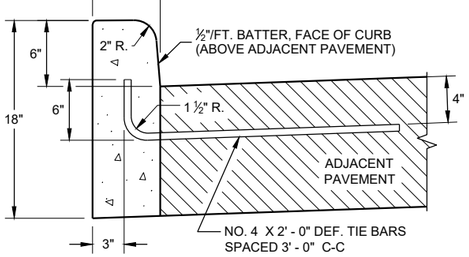
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

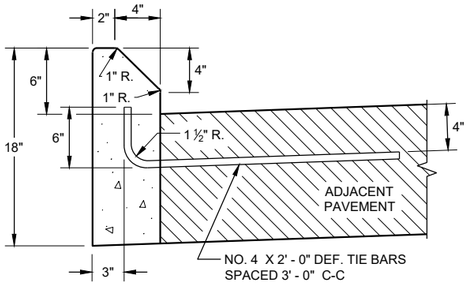
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

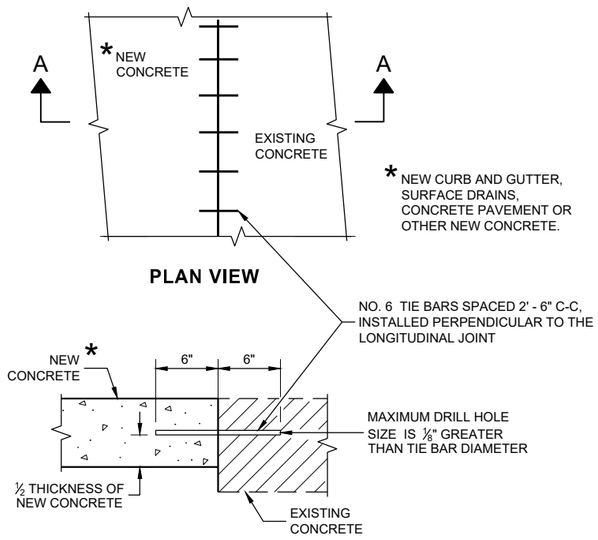


TYPES A (1) & D

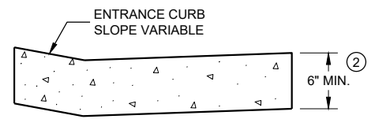


TYPES G (1) & J

CONCRETE CURB



TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

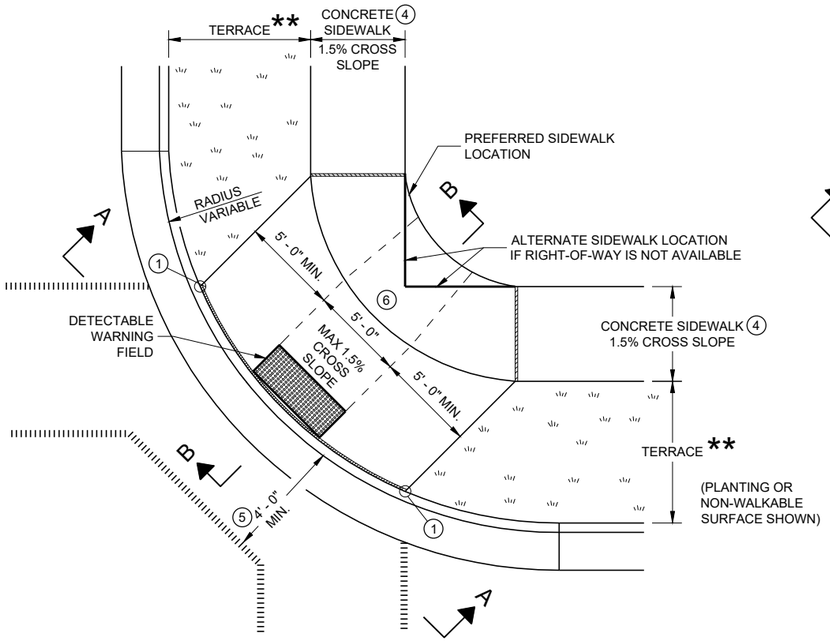
APPROVED
February 2020
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

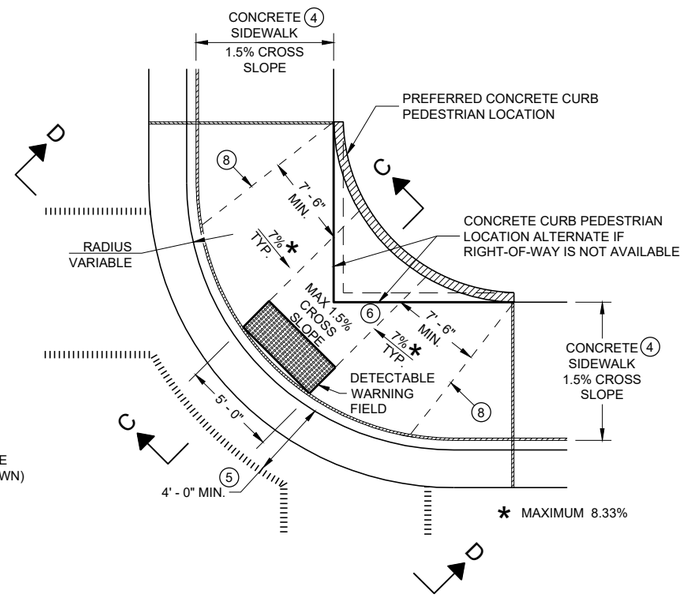
SDD08D01 - 21b



PLAN VIEW

CURB RAMP TYPE 1

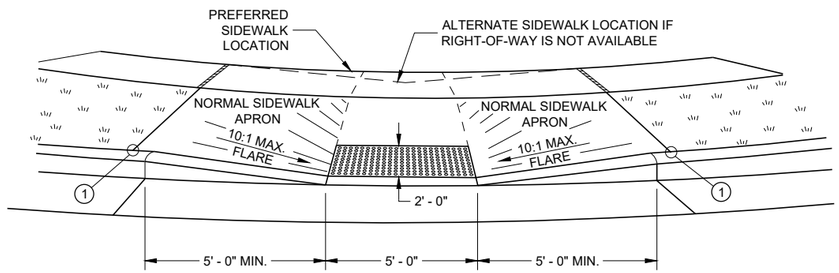
(CENTER OF CORNER RADIUS)



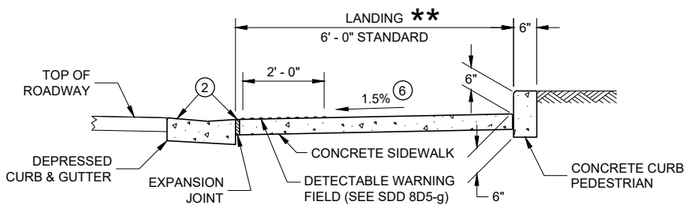
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

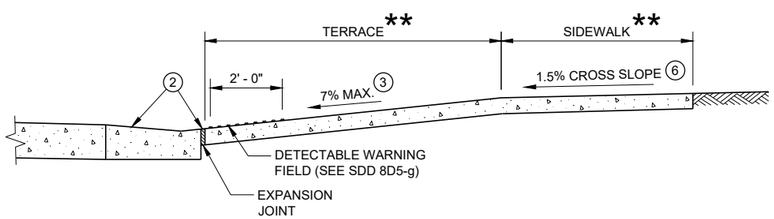


VIEW A - A FOR TYPE 1

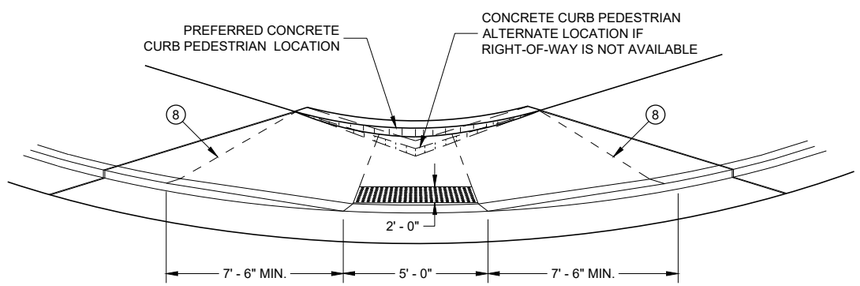


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

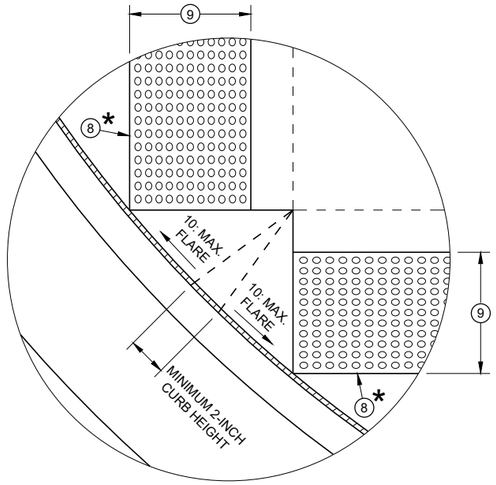
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 1 AND 1-A

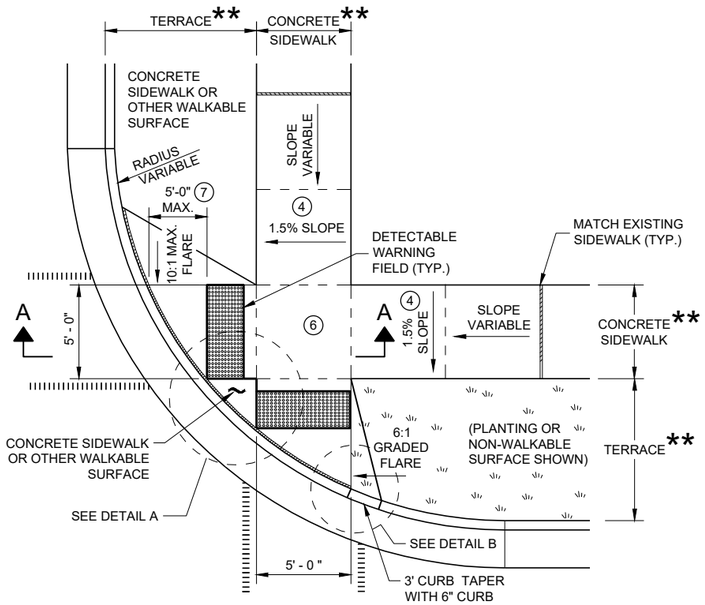
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20a



DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

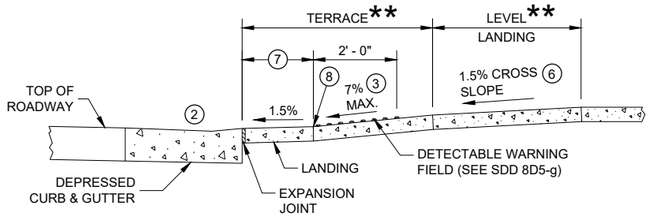
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

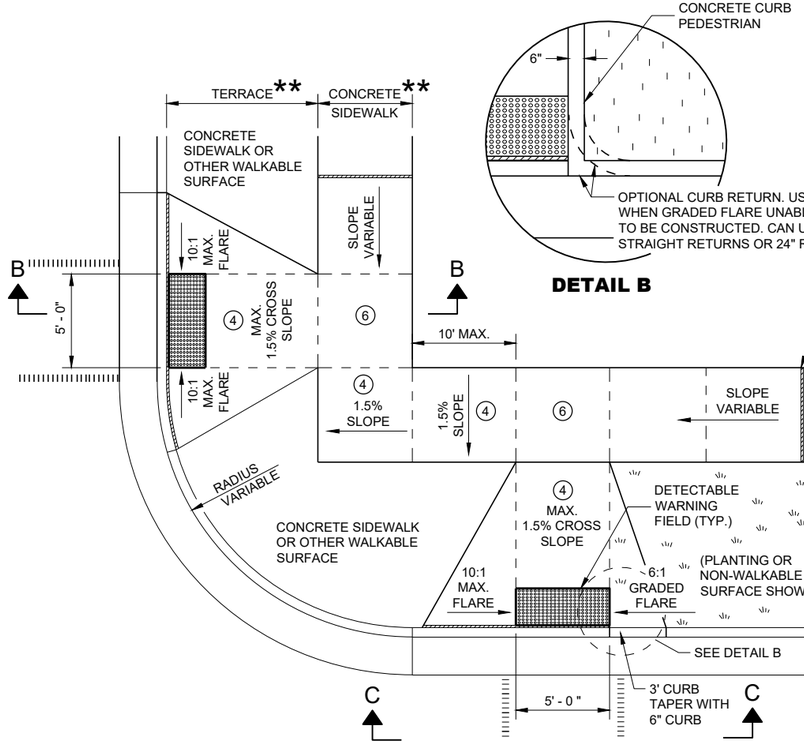
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

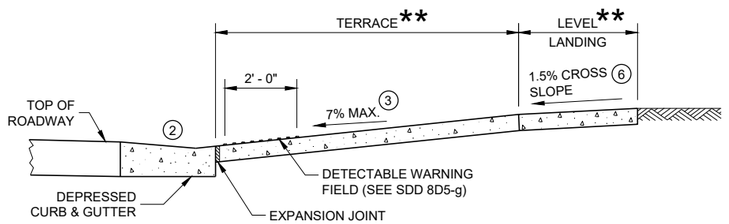
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

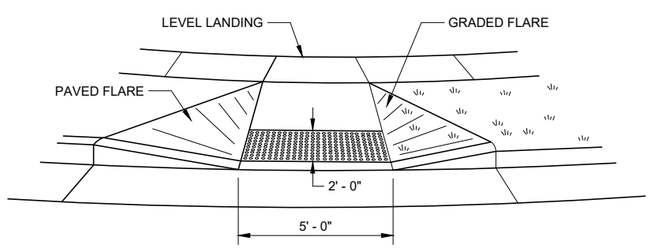


DETAIL B

PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 2 AND 3

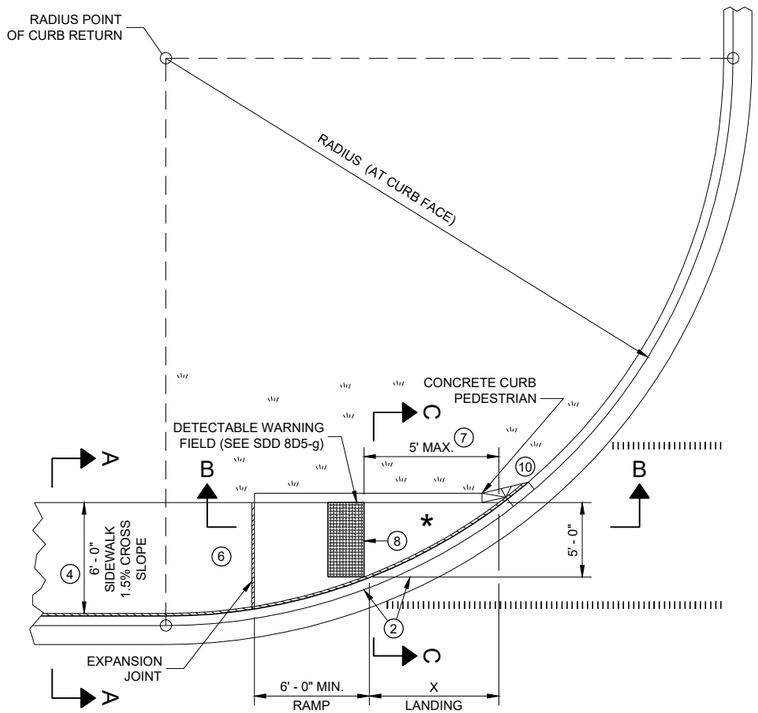
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20b

6

SDD 08D05 - 20b

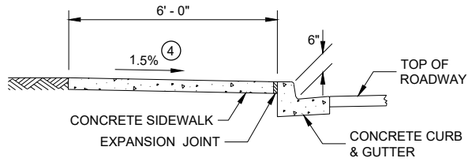


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

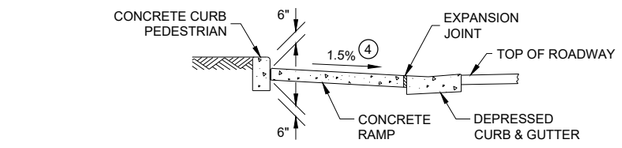
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

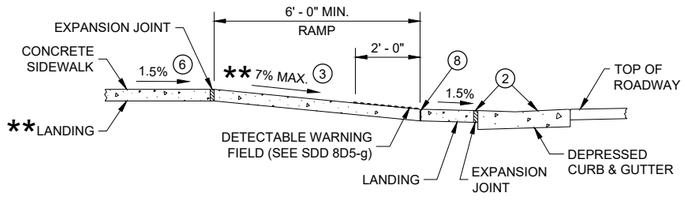
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



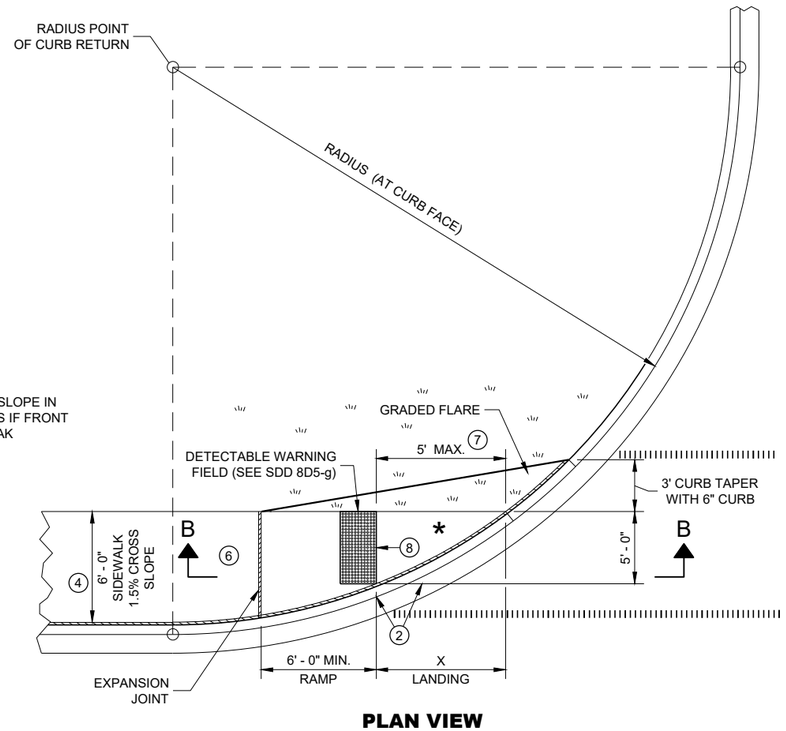
SECTION C - C FOR TYPE 4A



** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

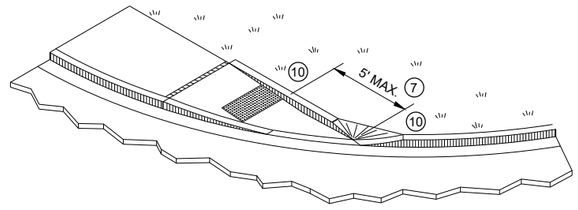
SECTION B - B FOR TYPE 4A AND TYPE 4A1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

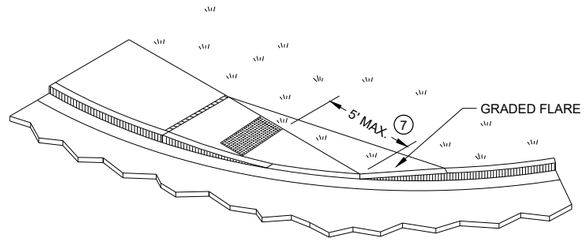


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



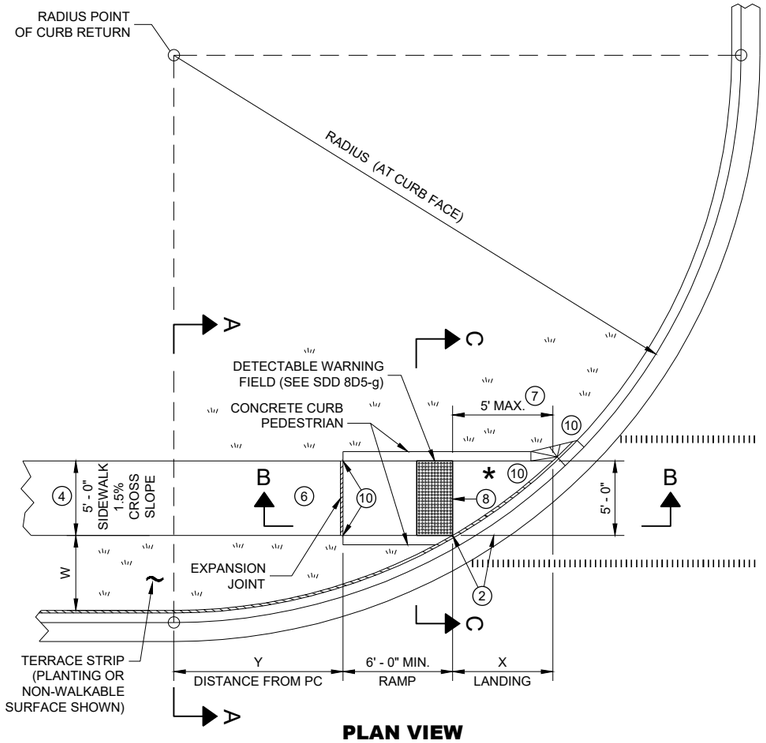
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20c

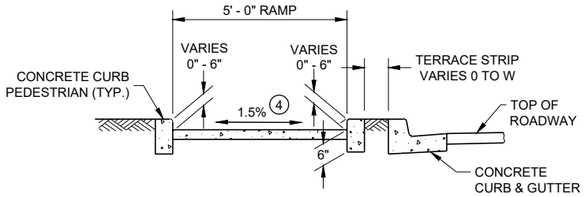


PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C - C FOR TYPE 4B

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

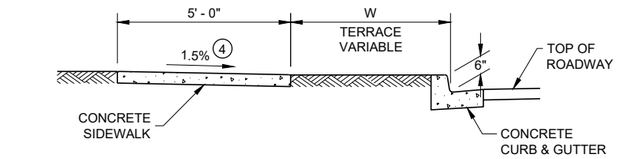
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

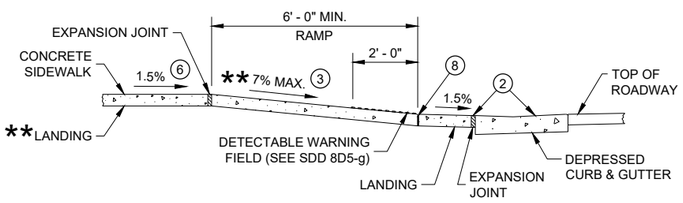
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



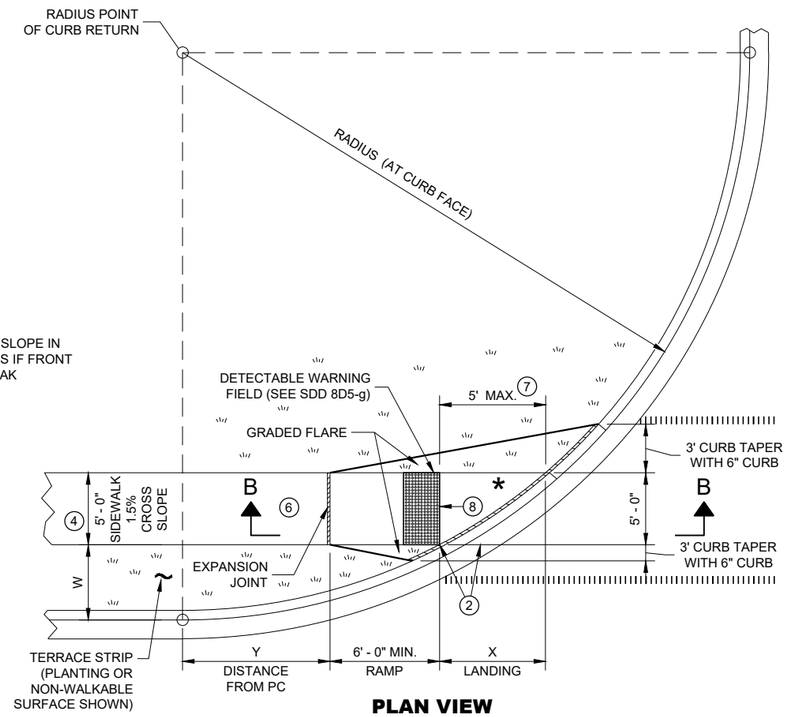
SECTION A - A FOR TYPE 4B



SECTION B - B FOR TYPE 4B AND TYPE 4B1

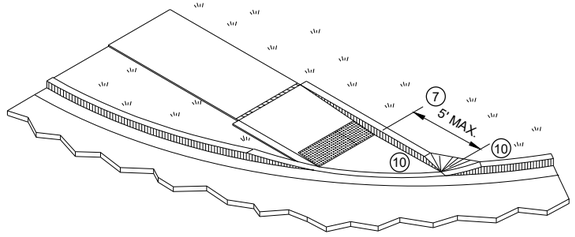
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

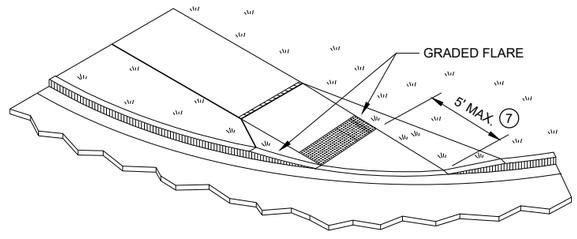


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
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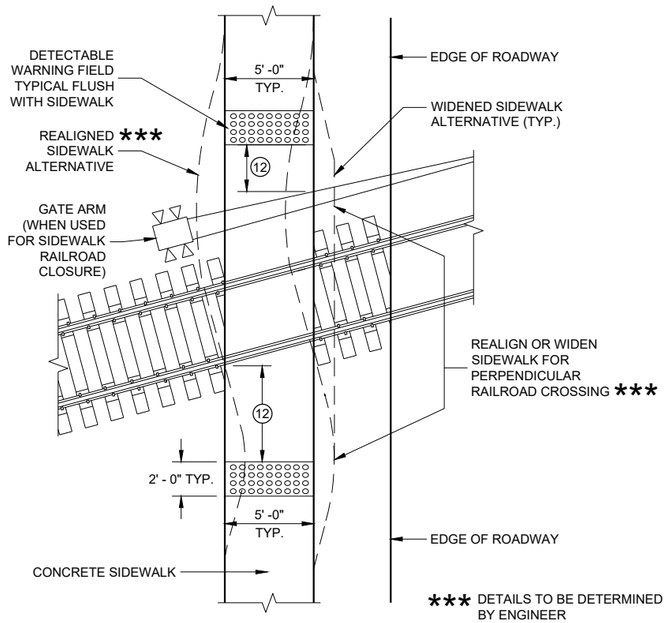
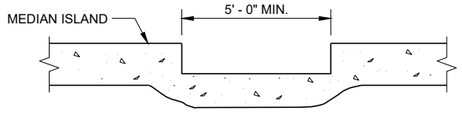
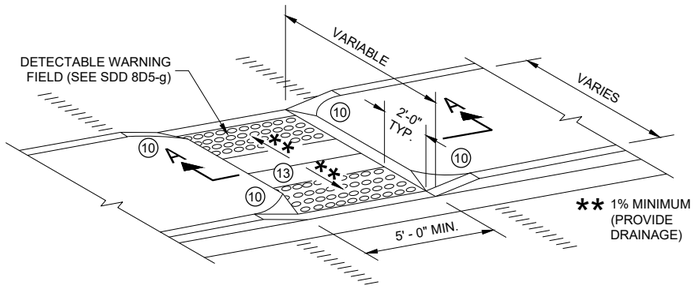


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

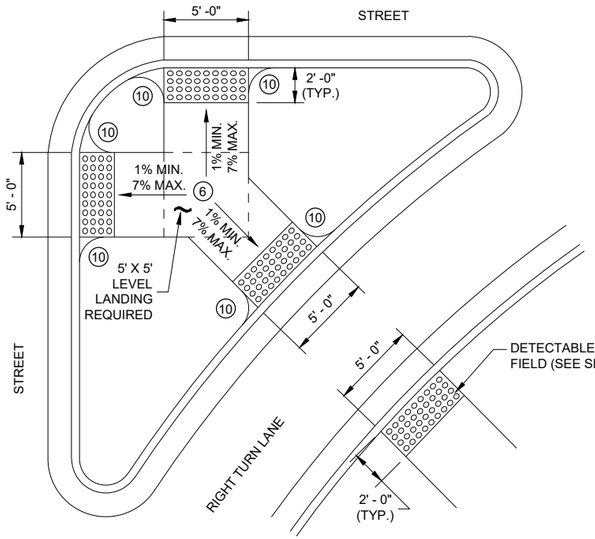
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

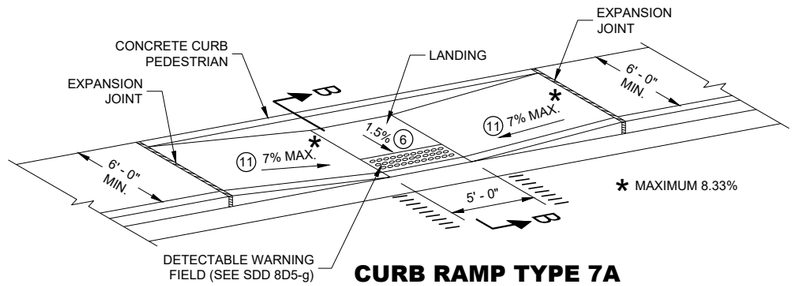
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

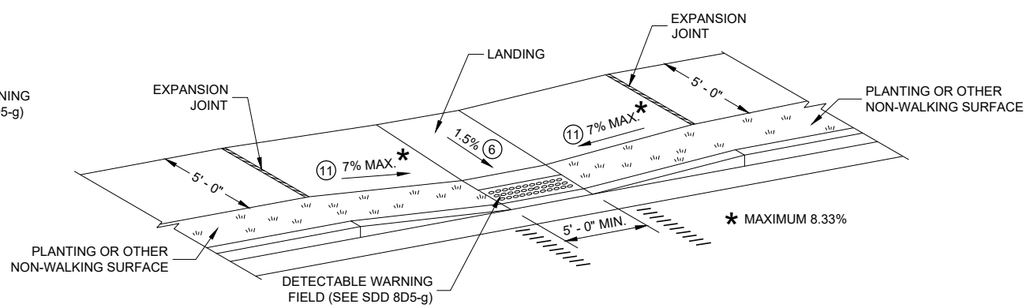
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

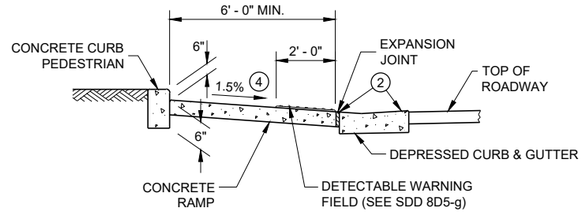
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.



SECTION B - B FOR TYPE 7A

CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
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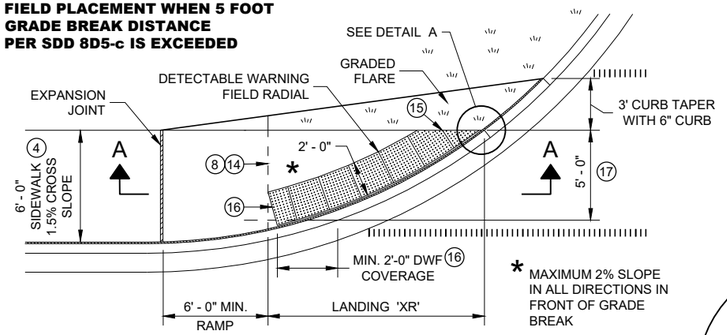
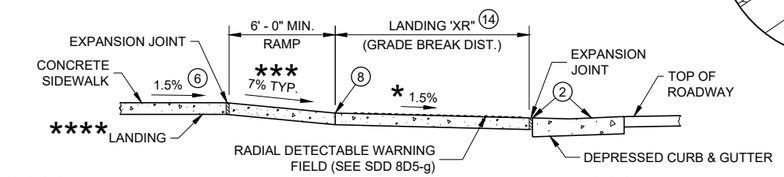
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

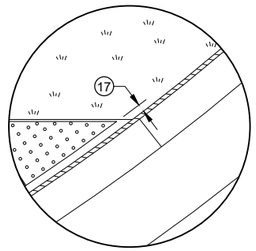
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1



DETAIL A

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

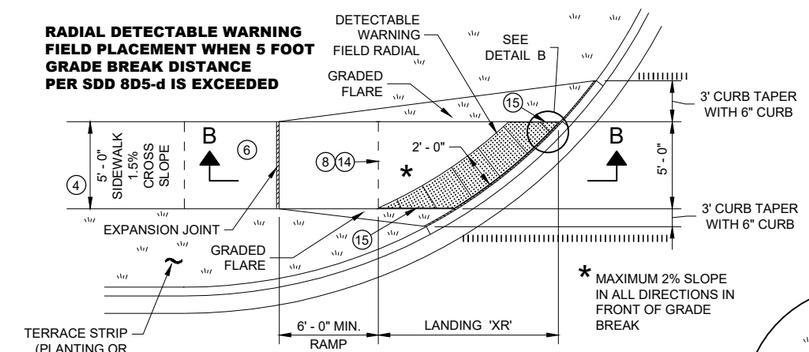
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 3 INCH CONCRETE BORDER WITH IS ALLOWABLE IN FROM OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

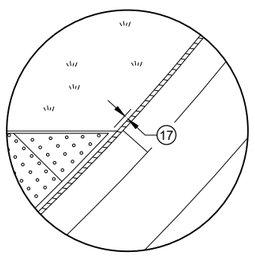
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



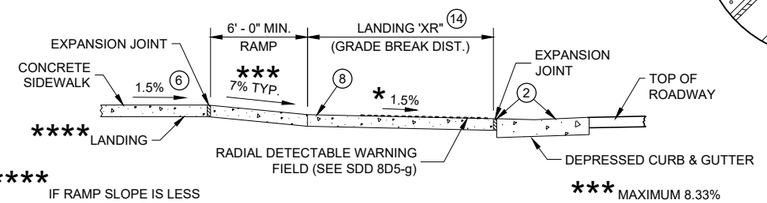
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

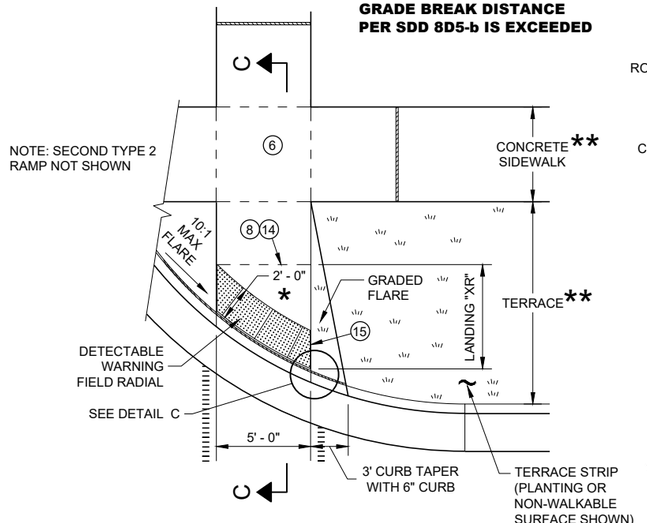


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

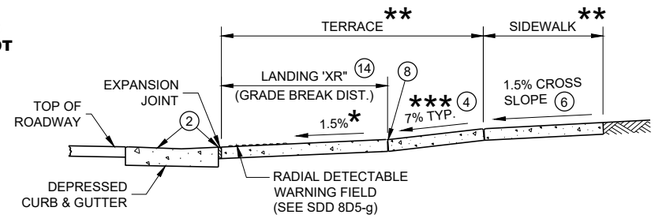


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

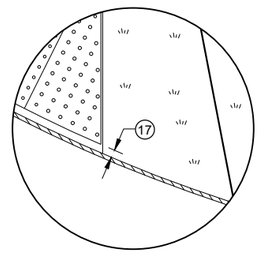


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

CURB RAMPS
RADIAL DETECTABLE WARNING FIELD APPLICATIONS

STATE OF WISCONSIN
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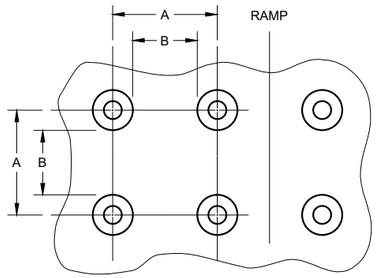
SDD 08D05 - 20f

SDD 08D05 - 20f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

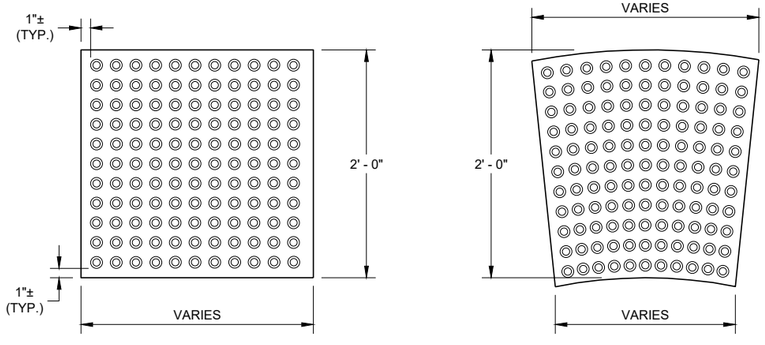
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW

ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

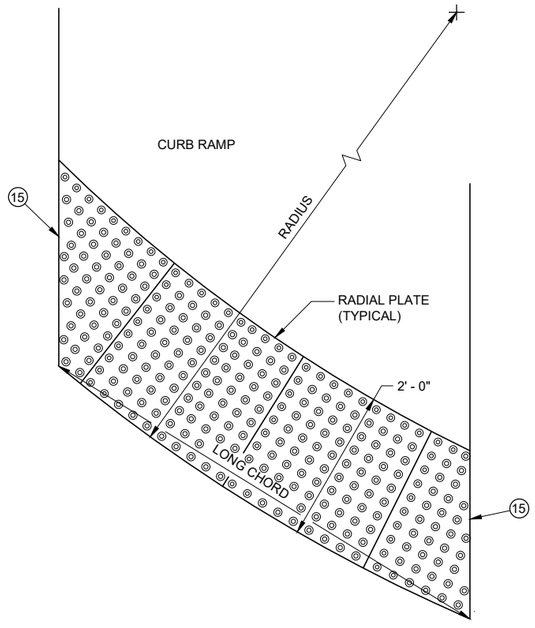
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

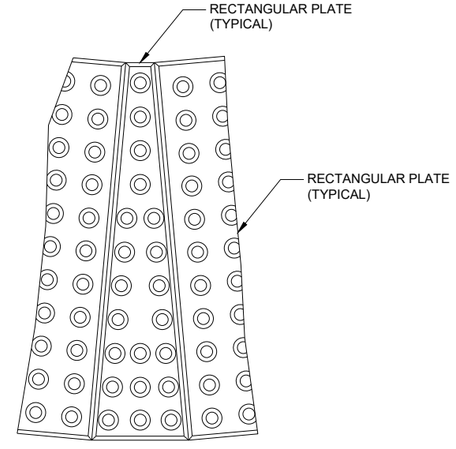
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

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SDD 08D05 - 20g

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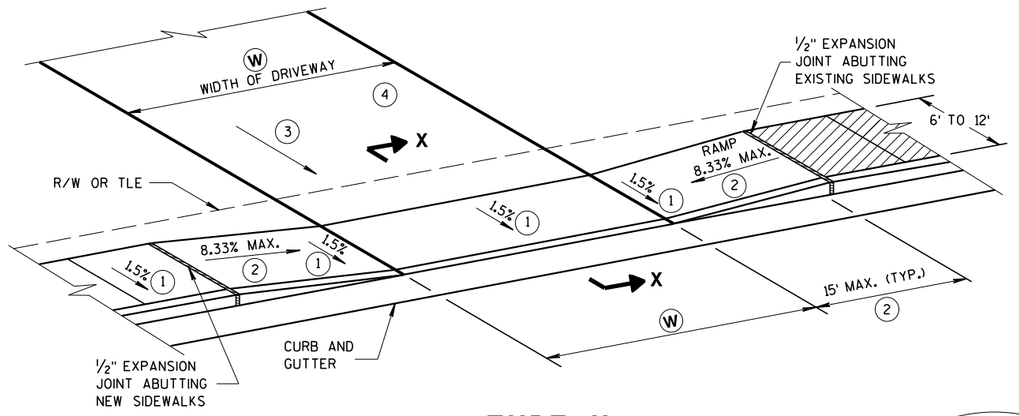
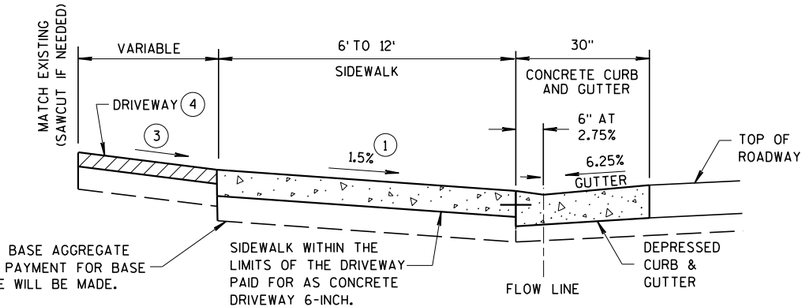
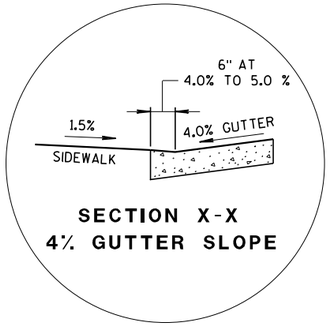
SDD 08D05 - 20g



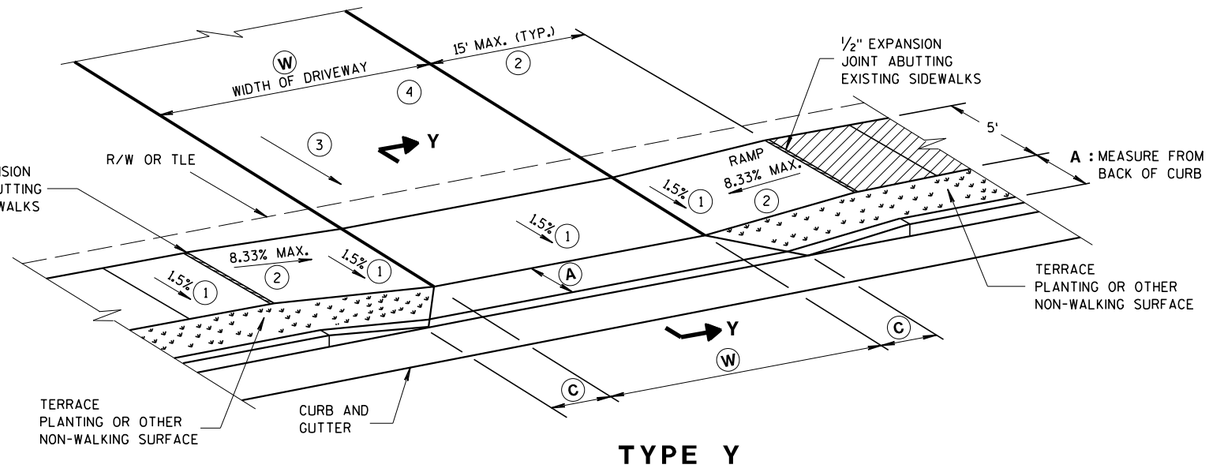
TYPE X
SIDEWALK ABUTS CURB & GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X-X



SECTION X-X
4% GUTTER SLOPE



TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

W: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)
16' MIN. - 35' MAX. COMMERCIAL (CE)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

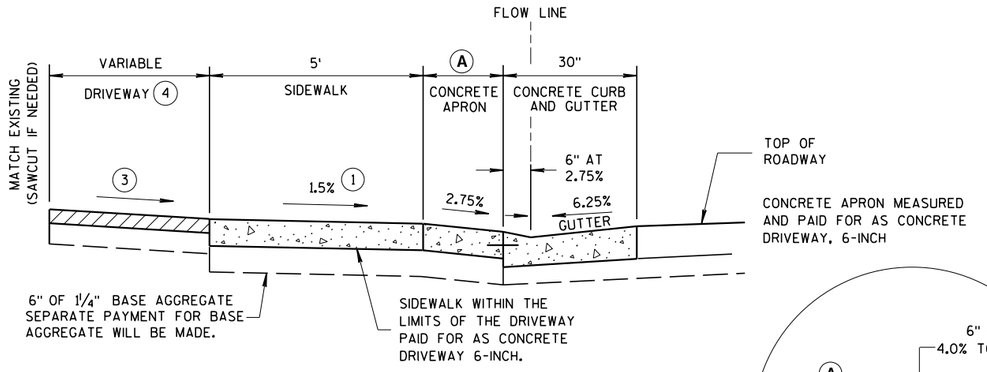
OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5% ± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

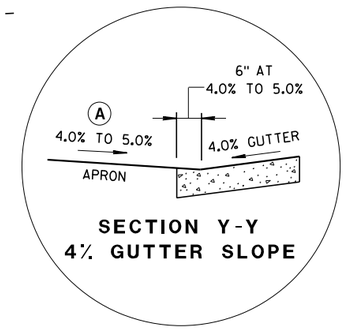
(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

(4) DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES)



NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS

SECTION Y-Y



SECTION Y-Y
4% GUTTER SLOPE

DRIVEWAY DETAIL
WITH CONCRETE CURB & GUTTER
(URBAN AND SUBURBAN)

TABLE Y

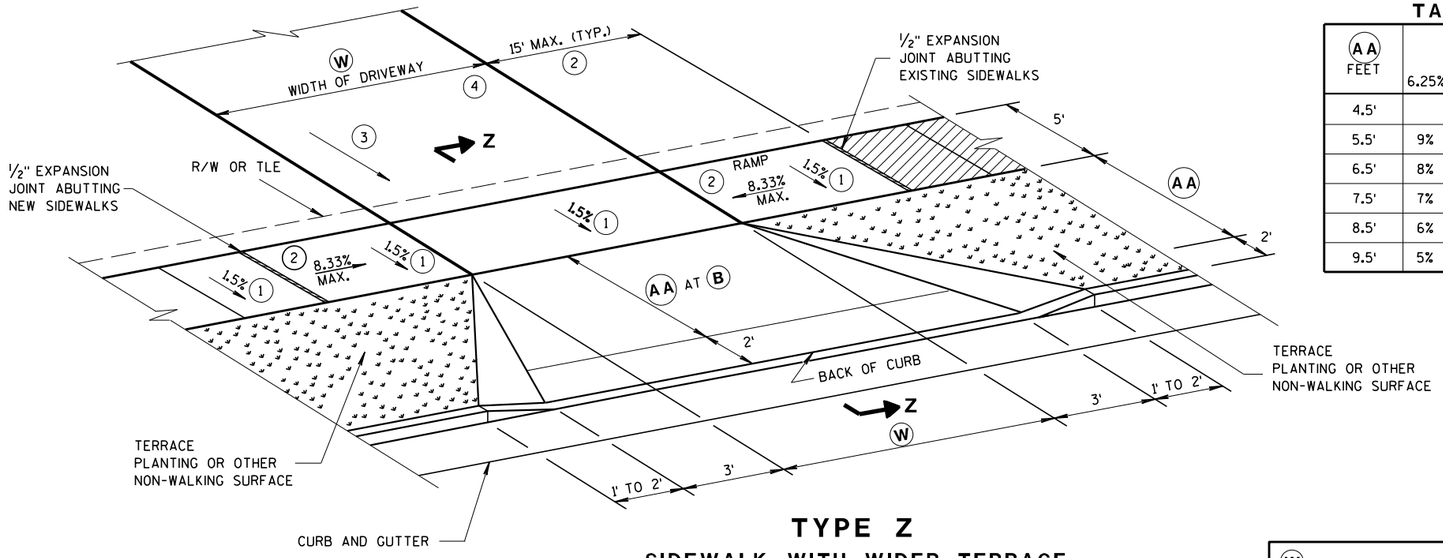
(A) FEET	(C) FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'

NOT TO SCALE

DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS 395 MENT
UNIT SUPERVISOR
FHWA



TYPE Z

SIDEWALK WITH WIDER TERRACE

TERRACE VARIES 7 TO 12 FEET

TABLE Z

(AA) FEET	(B) % 6.25% GUTTER	(B) % 4% GUTTER
4.5'	11.5%	9% TO 11.5%
5.5'	9% TO 11.5%	8% TO 11.5%
6.5'	8% TO 11.5%	6% TO 11.5%
7.5'	7% TO 11.5%	6% TO 11.5%
8.5'	6% TO 11.5%	5% TO 11.5%
9.5'	5% TO 11.5%	4% TO 11.5%

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5% ± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY.

(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM

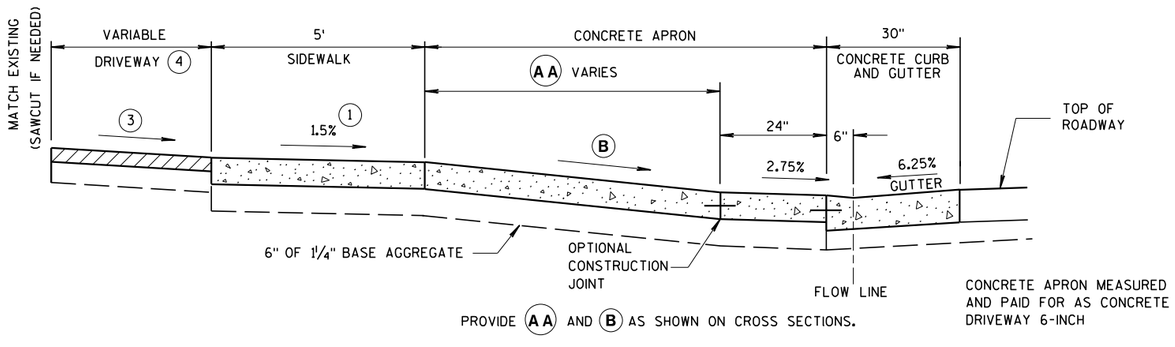
10.5% UP AWAY FROM SIDEWALK (SAG)

8.5% DOWN AWAY FROM SIDEWALK (CREST)

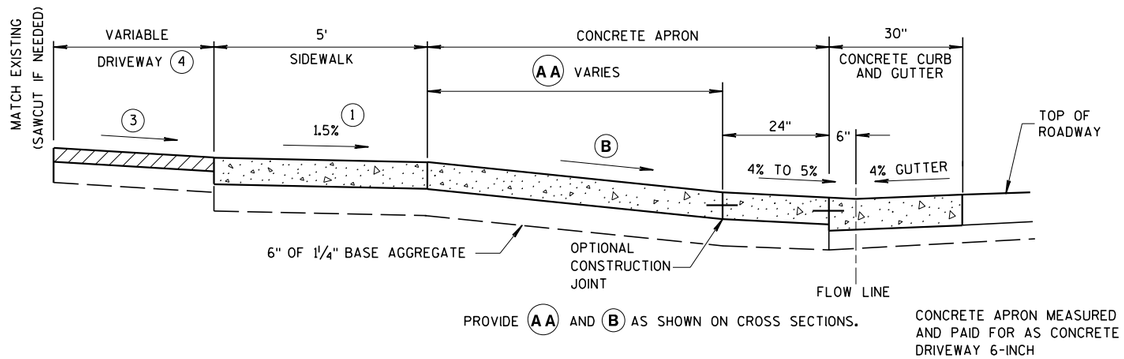
ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

(4) DRIVEWAY TYPES

- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES)



6.25% GUTTER SLOPE



4% GUTTER SLOPE

NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS FOR **B** VALUES NOT SHOWN IN TABLE Z.

SIDEWALK WITHIN THE LIMITS OF THE DRIVEWAY PAID FOR AS CONCRETE DRIVEWAY 6-INCH.

SEPARATE PAYMENT FOR BASE AGGREGATE WILL BE MADE.

SECTION Z-Z

DRIVEWAY DETAIL WITH CONCRETE CURB & GUTTER

(URBAN AND SUBURBAN)

NOT TO SCALE

DRIVEWAY AND SIDEWALK RAMPS TYPE Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

6

S.D.D. 8 D 19-2

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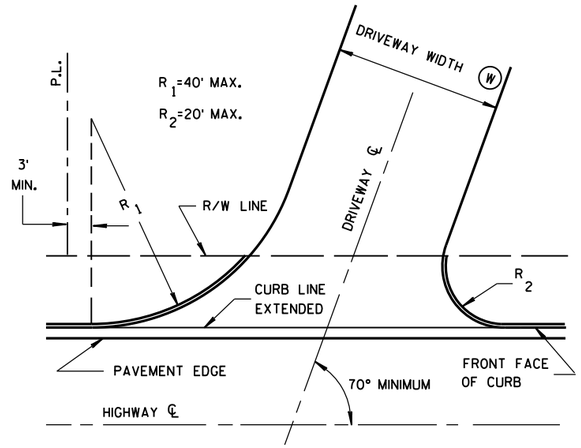
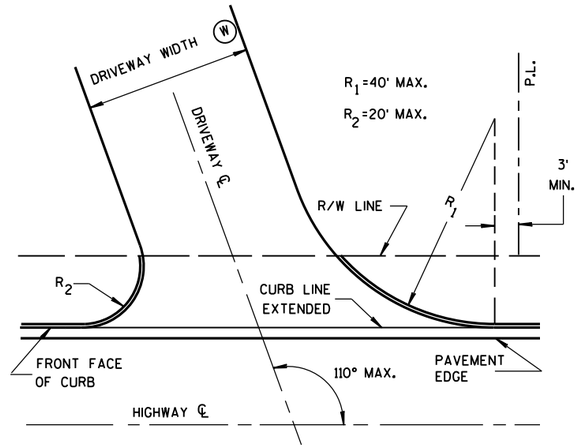
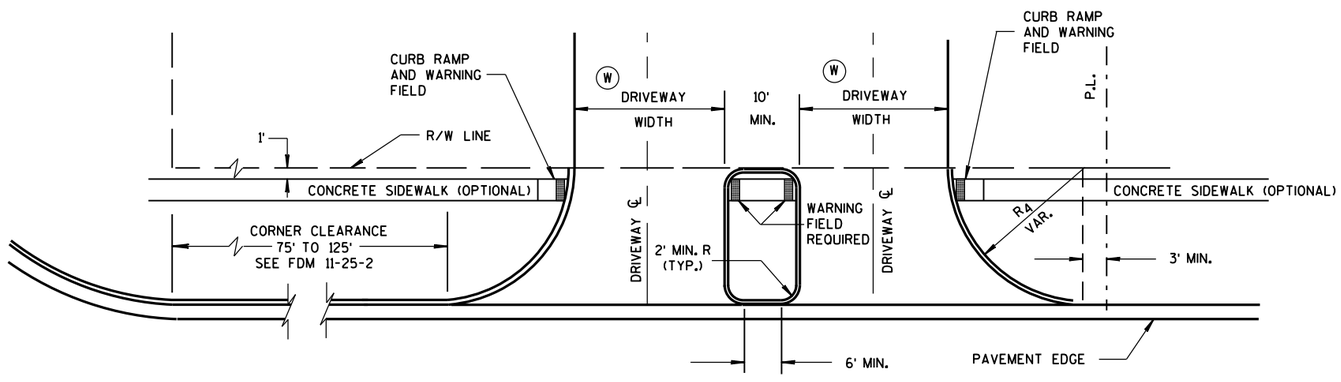
S.D.D. 8 D 19-2





SKEWED DRIVEWAY DETAILS
(COMMERCIAL AND NON-COMMERCIAL)

SIDEWALK NOT SHOWN



DRIVEWAY LOCATION AND SPACING DETAILS

SIDEWALK SHOWN

NOTES

A MAXIMUM RADIUS OF 10 FEET SHALL BE USED FOR NON-COMMERCIAL PRIVATE ENTRANCES. RADII FOR COMMERCIAL DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER BASED ON TRAFFIC AND DRIVEWAY PERMIT RESTRICTIONS.

THE MINIMUM ANGLE OF INTERSECTION BETWEEN THE DRIVEWAY AND HIGHWAY CENTERLINES SHALL BE 70°.

ALL CURVILINEAR PRIVATE ENTRANCE OUTLINES SHALL BE CONTAINED WITHIN THE HIGHWAY R/W.

NO DRIVEWAY SHALL BE BUILT WITHIN 3 FEET OF THE PROPERTY LINE EXCEPT FOR EXISTING JOINT DRIVEWAY SHARED BY TWO OWNERS.

Ⓦ DRIVEWAY WIDTHS:

COMMERCIAL - 35' MAX., 16' MIN.

RESIDENTIAL AND NON-COMMERCIAL - 24' MAX., 12' MIN.

DRIVEWAYS WITH CURB & GUTTER RETURNS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December, 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERV
FHWA

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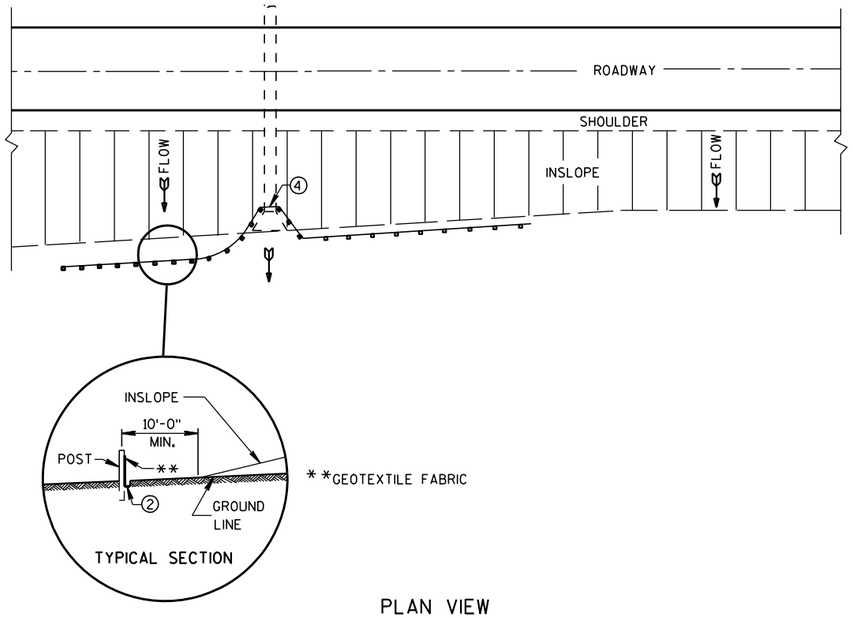
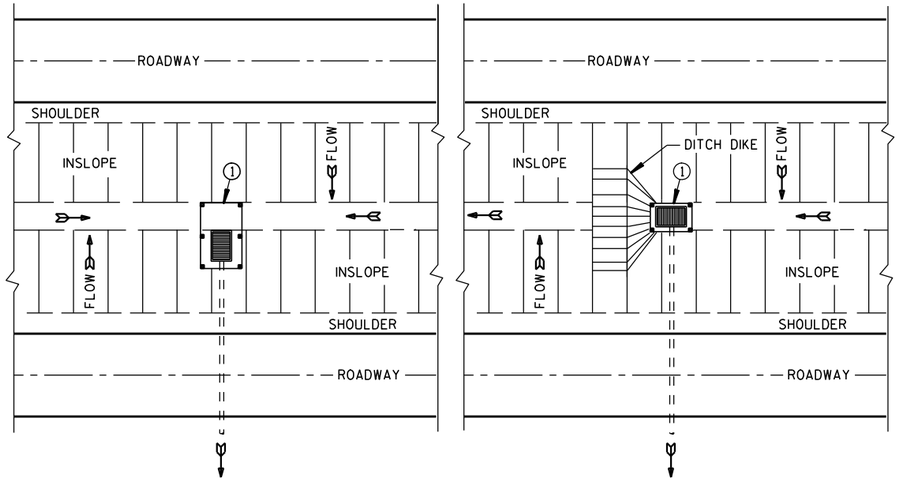


PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



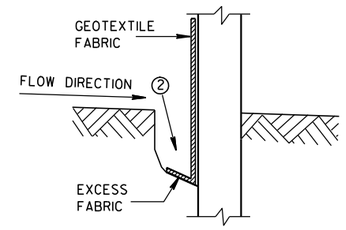
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

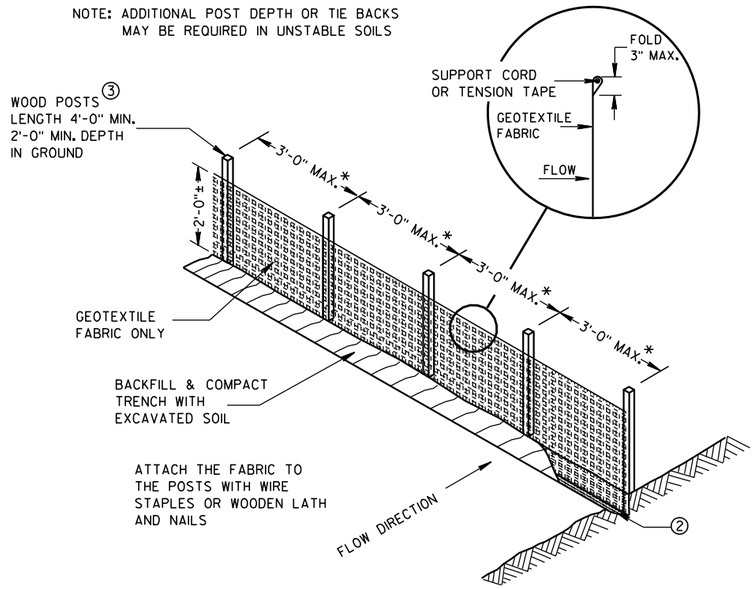
GENERAL NOTES

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

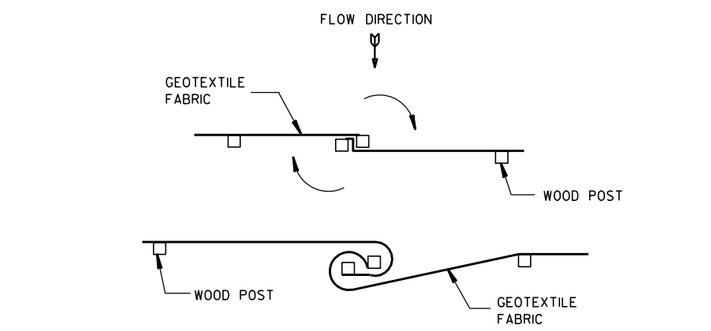
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL 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.



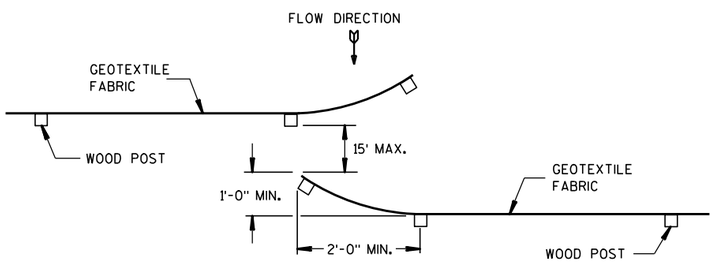
TRENCH DETAIL



SILT FENCE

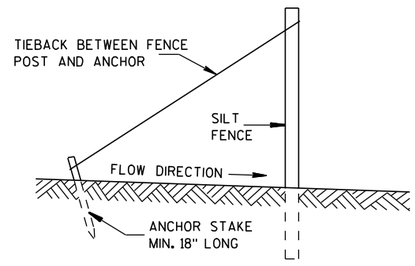


TWIST METHOD



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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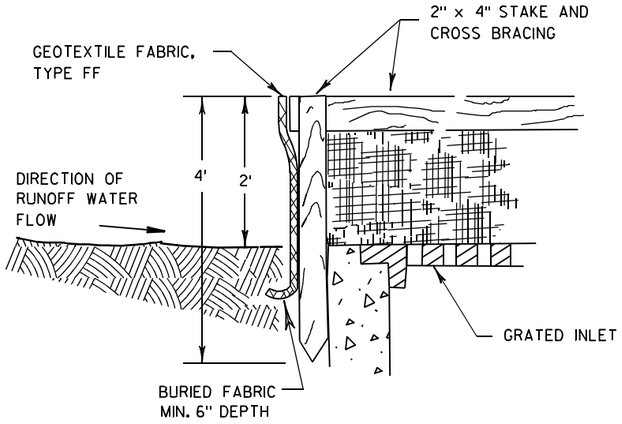
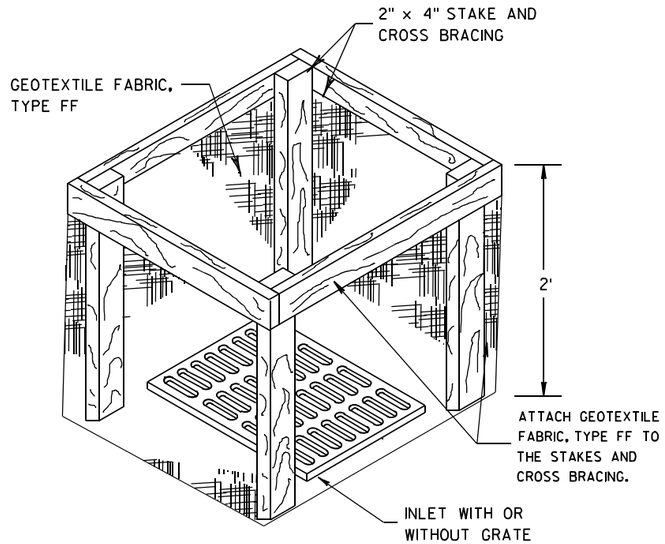
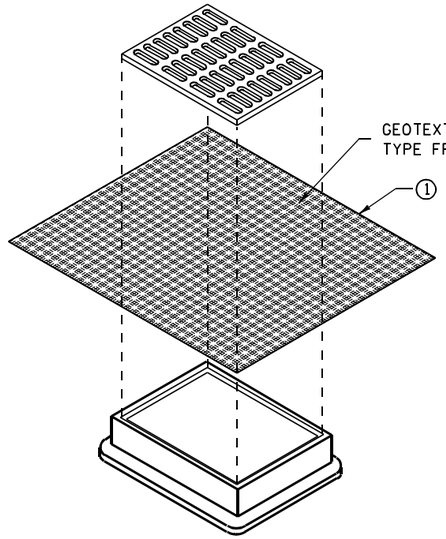
S.D.D. 8 E 9-6



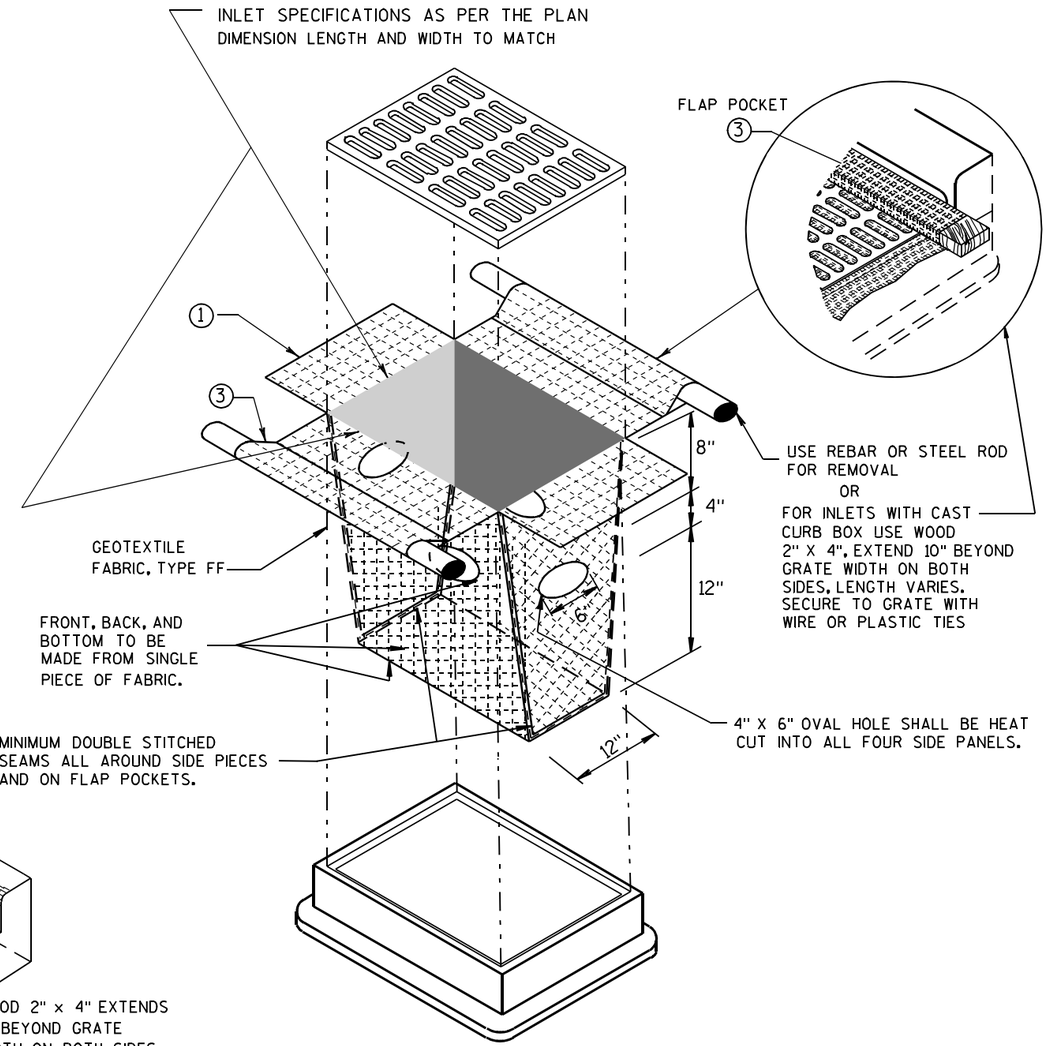


INLET PROTECTION, TYPE A



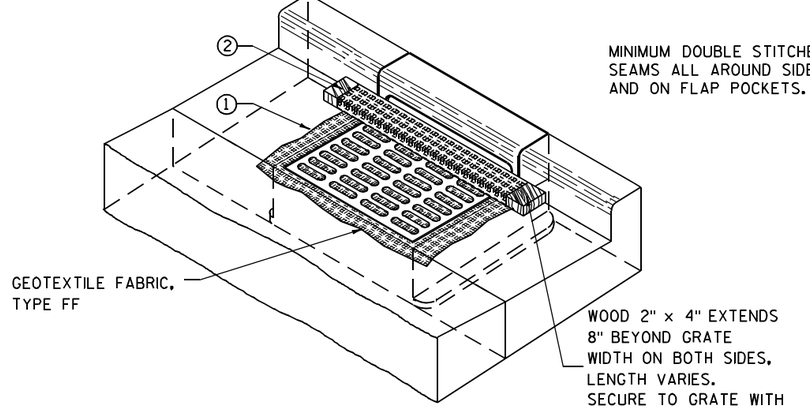
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)



INLET PROTECTION, TYPE C (WITH CURB BOX)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

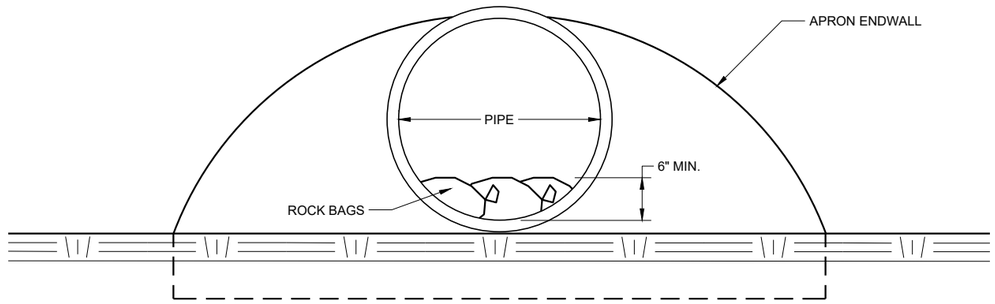
10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

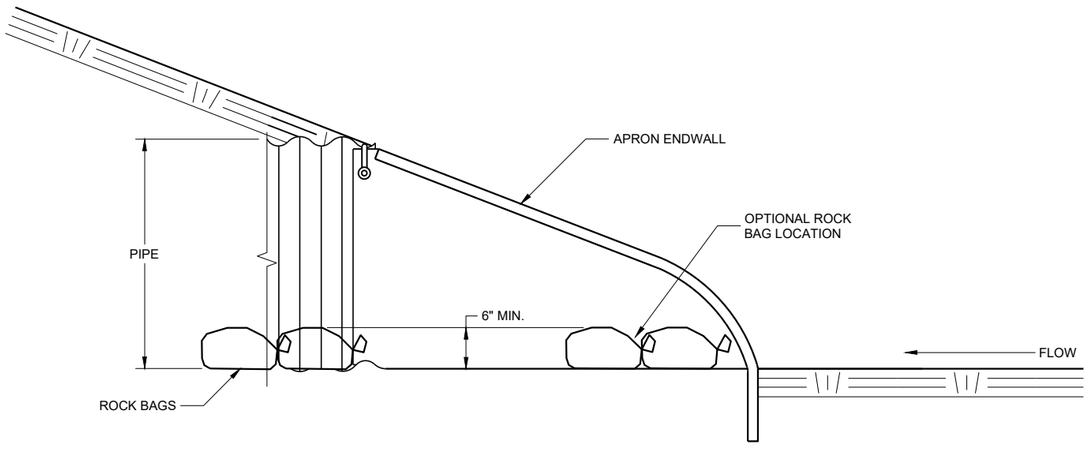
FHWA

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 400
FHWA	

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SDD 08E15 - 01

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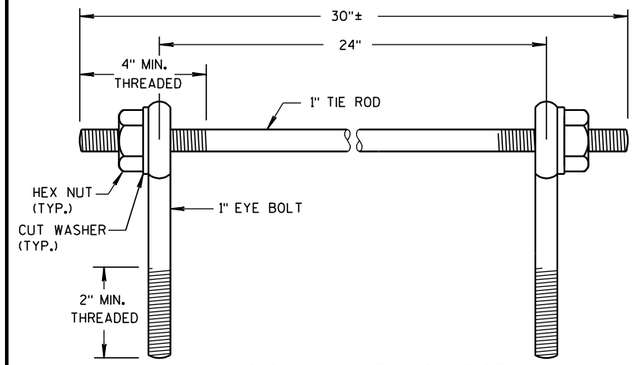
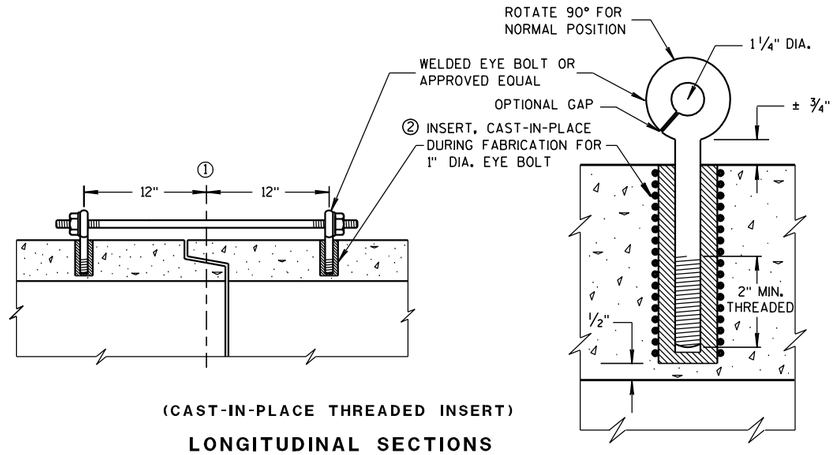
SDD 08E15 - 01



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 ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

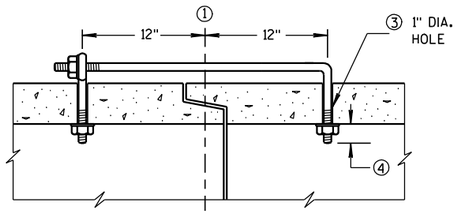
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

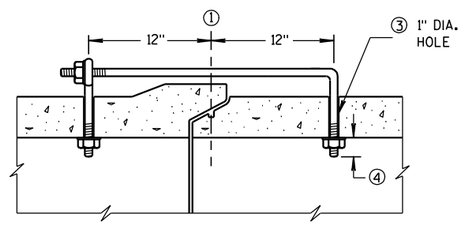
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

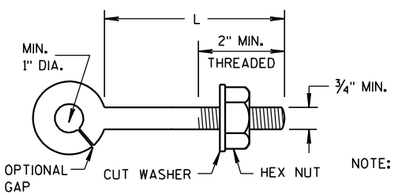


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

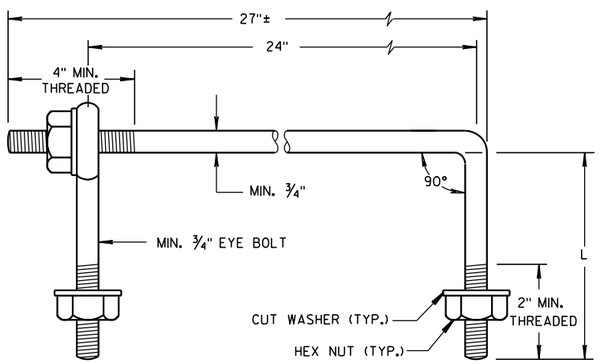
EYE BOLT DIMENSION TABLE

PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

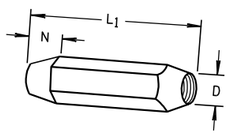
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

DIMENSIONS SHOWN ARE IN INCHES



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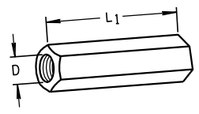
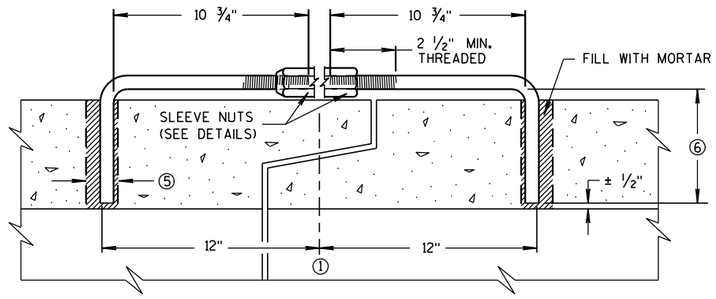


PLAIN

RIGHT AND LEFT THREADS

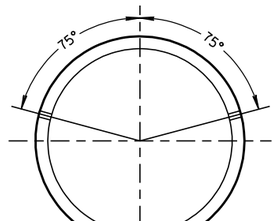
SLEEVE NUTS



LONGITUDINAL SECTION

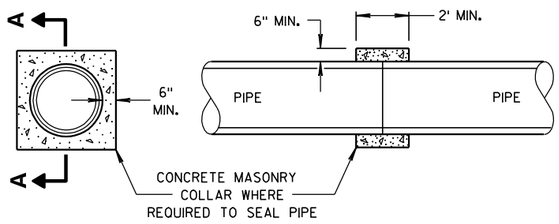
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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

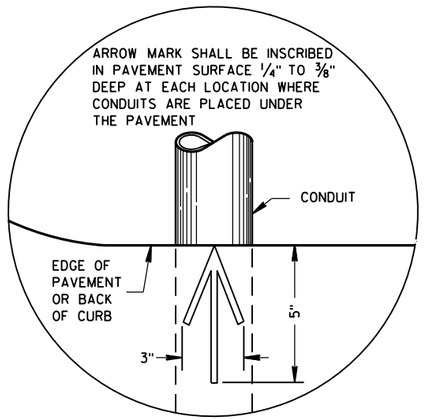
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
401
FHWA

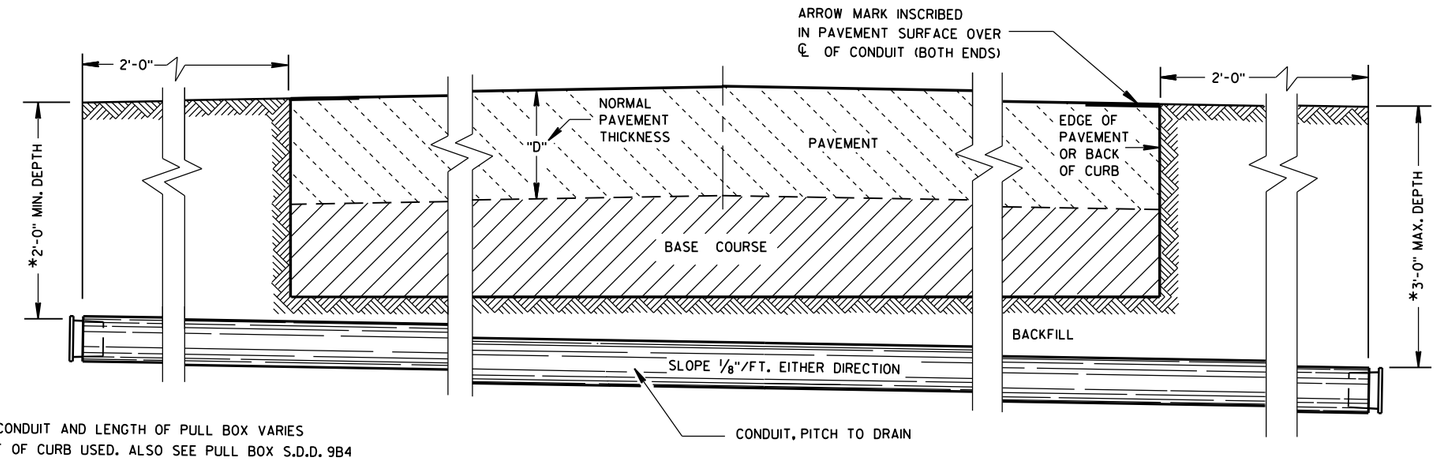
6

S.D.D. 8 F 4-7



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

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

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

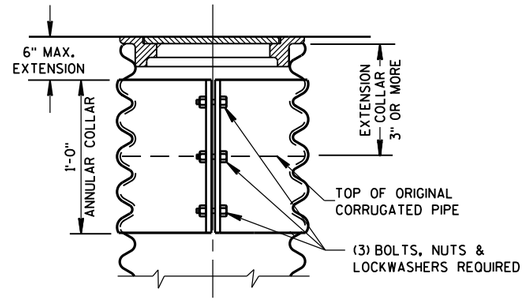
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

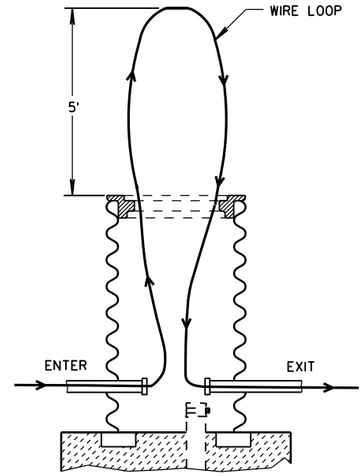
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

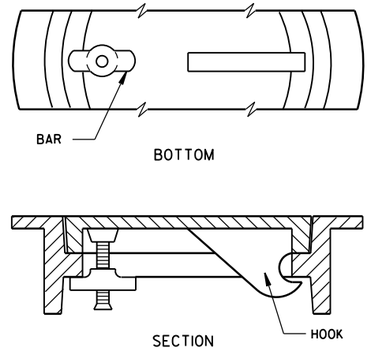
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

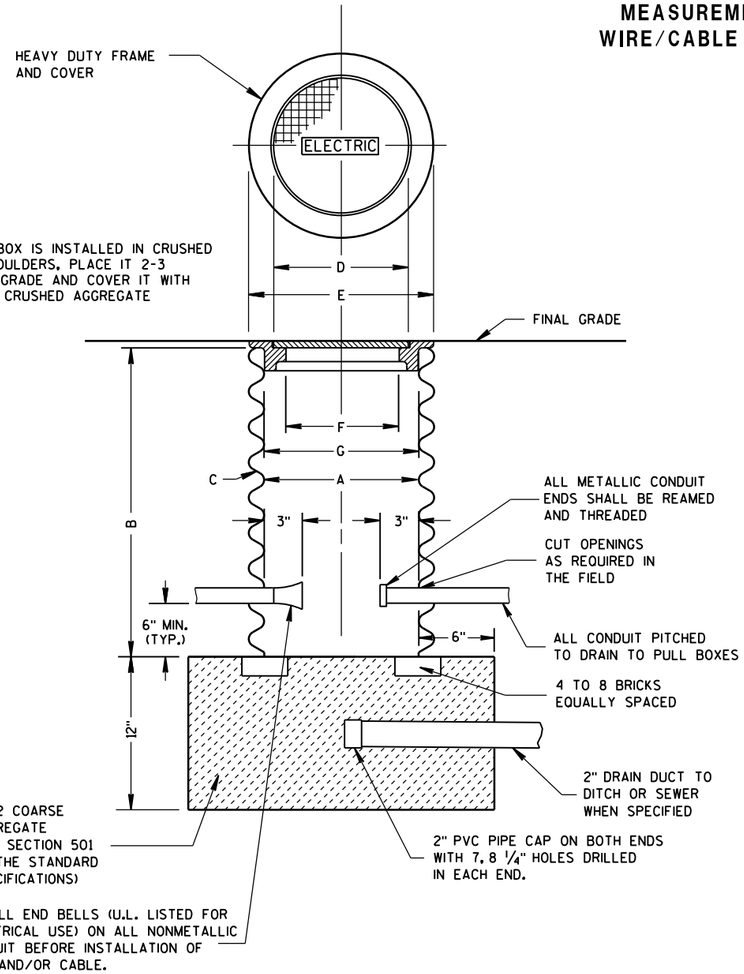


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



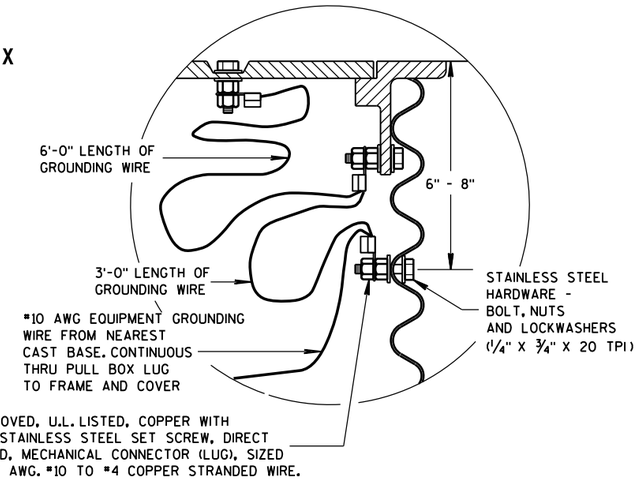
ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



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

PULL BOX



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

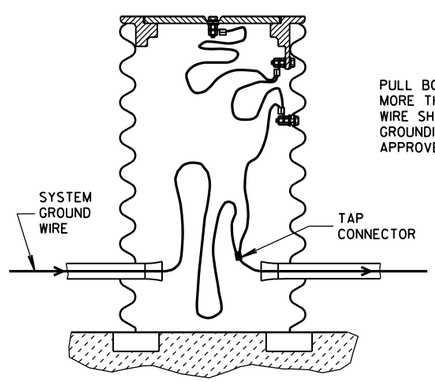
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX 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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL
403
FHWA

6

S.D.D. 9 B 4-11

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		NON-CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 1/2	22 1/2
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE

GENERAL NOTES

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

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN 1/4".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

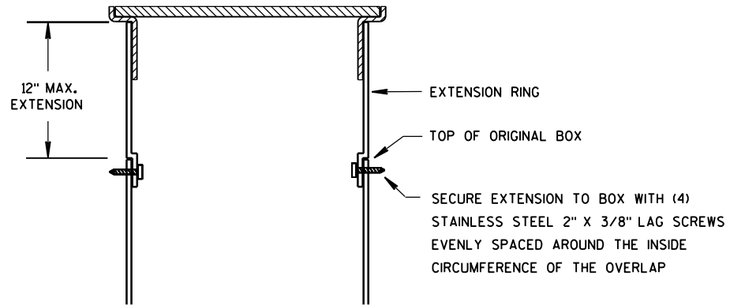
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

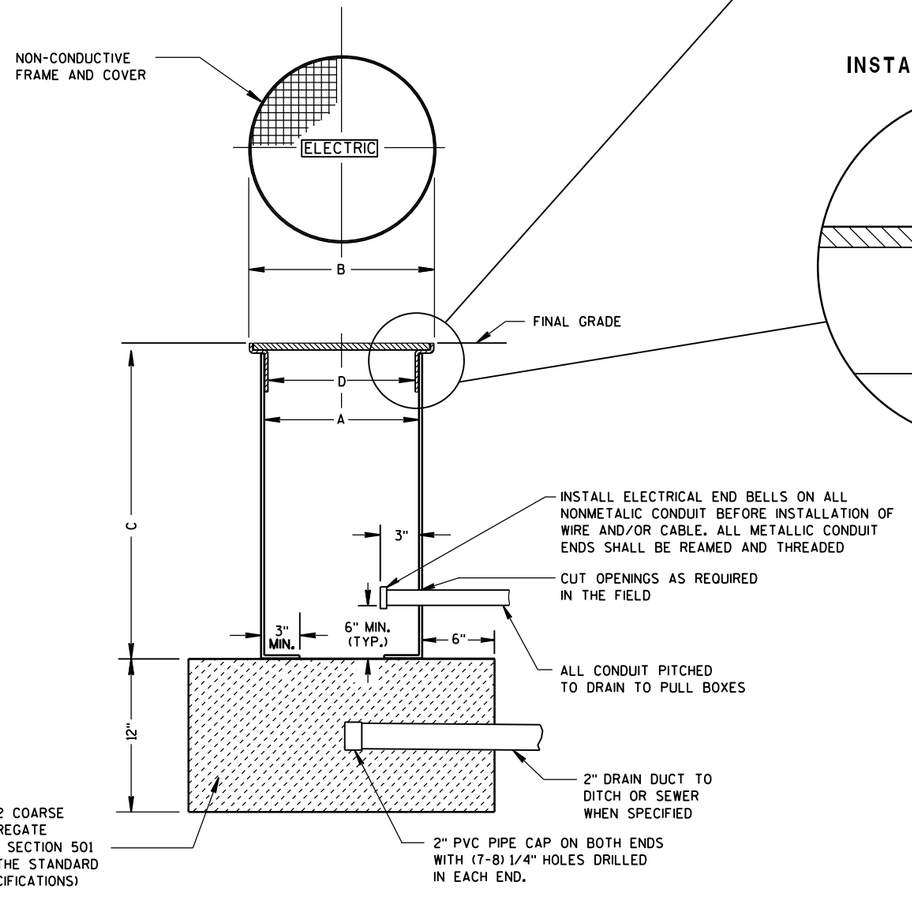
ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.

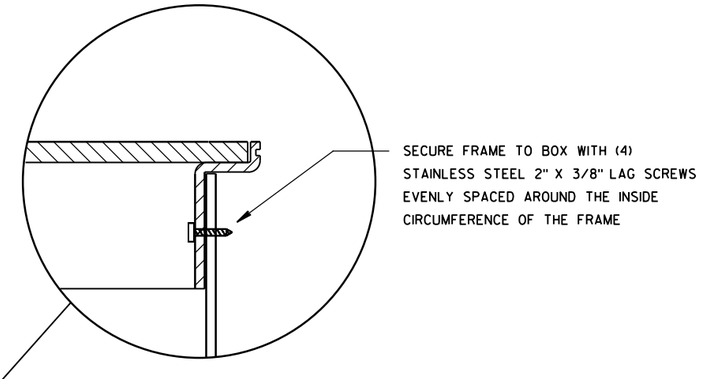


BOX EXTENSION

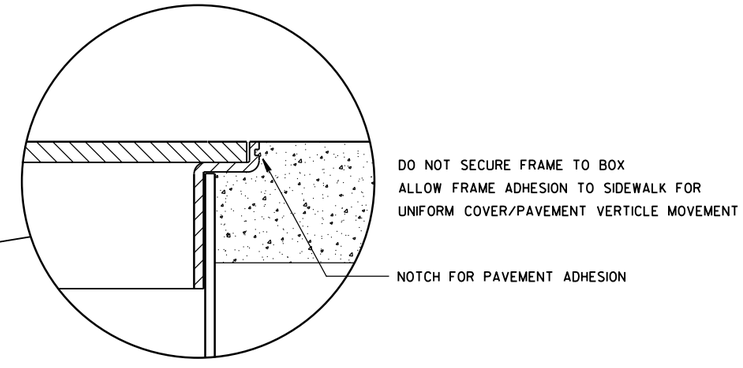


NON-CONDUCTIVE PULL BOX

INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



PULL BOX NON-CONDUCTIVE

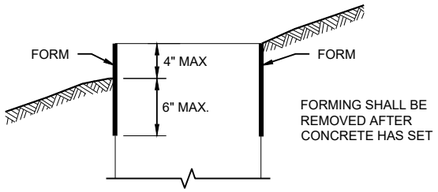
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 B 16-1

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

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

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

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

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

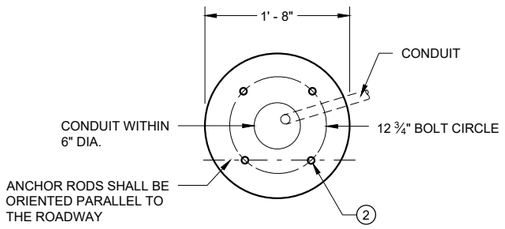
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

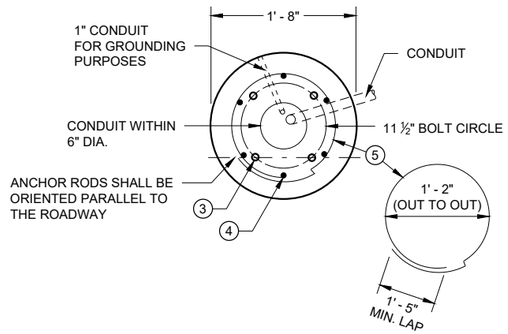
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

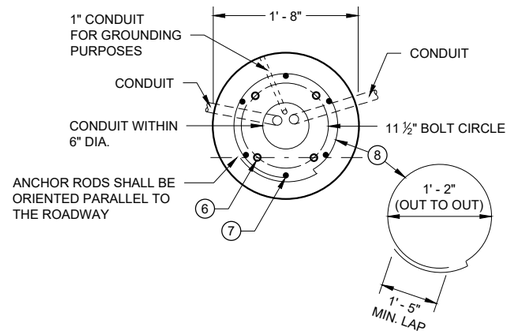
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

(2) (4) 1" DIA. X 3' - 6" ANCHOR RODS.

(3) (4) 1" DIA. X 5' - 0" ANCHOR RODS.

(4) (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

(5) (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

(6) (4) 1" DIA. X 3' - 6" ANCHOR RODS.

(7) (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

(8) (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

(9) EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

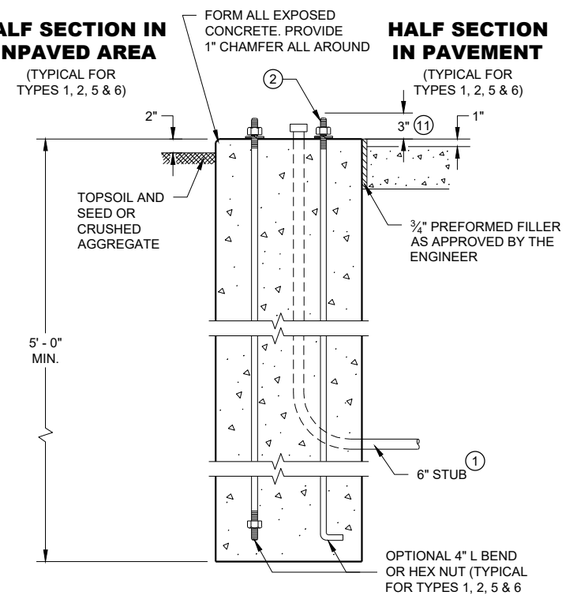
(10) ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

(11) ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

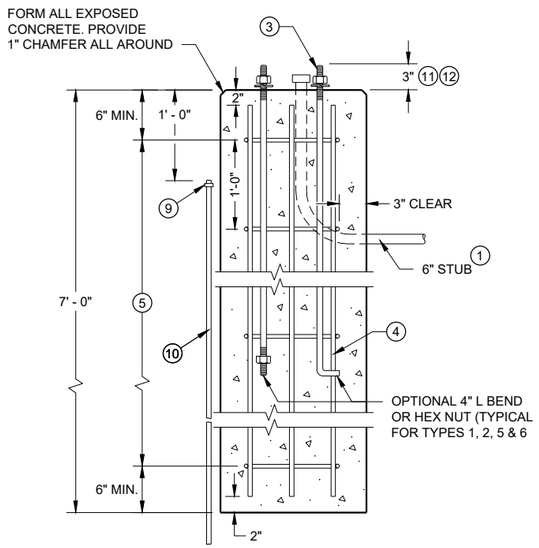
(12) FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

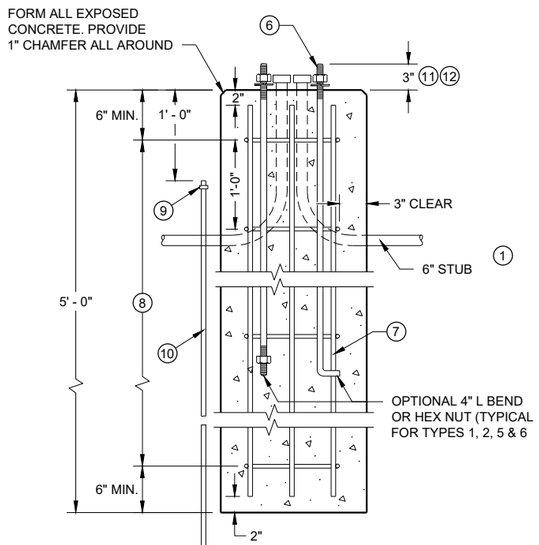
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES
TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 405

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 641.2.2 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.

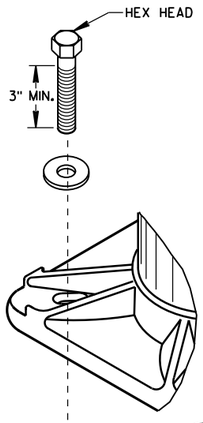
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

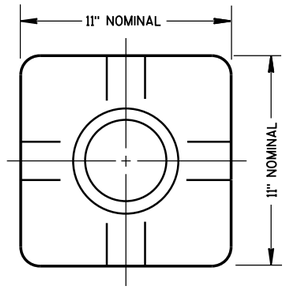
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

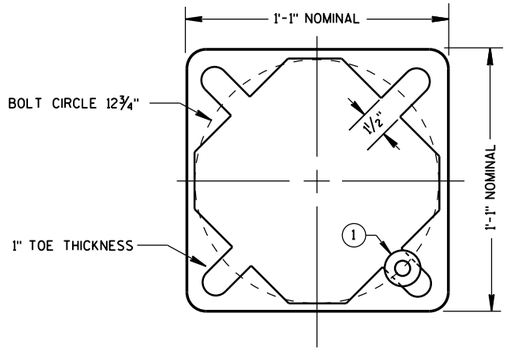
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

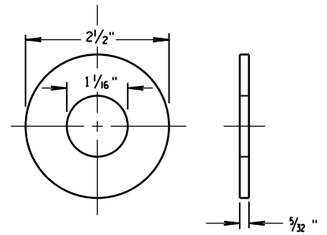




TOP VIEW
(PEDESTAL BASE)

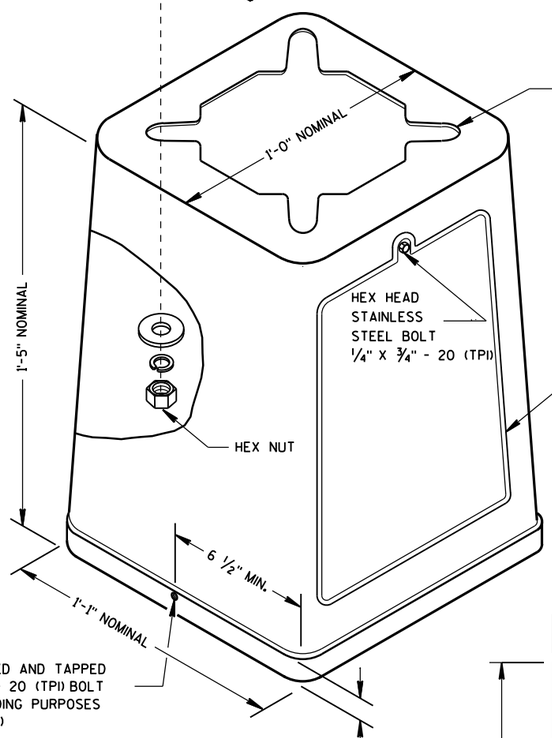


BOTTOM VIEW
(PEDESTAL BASE)

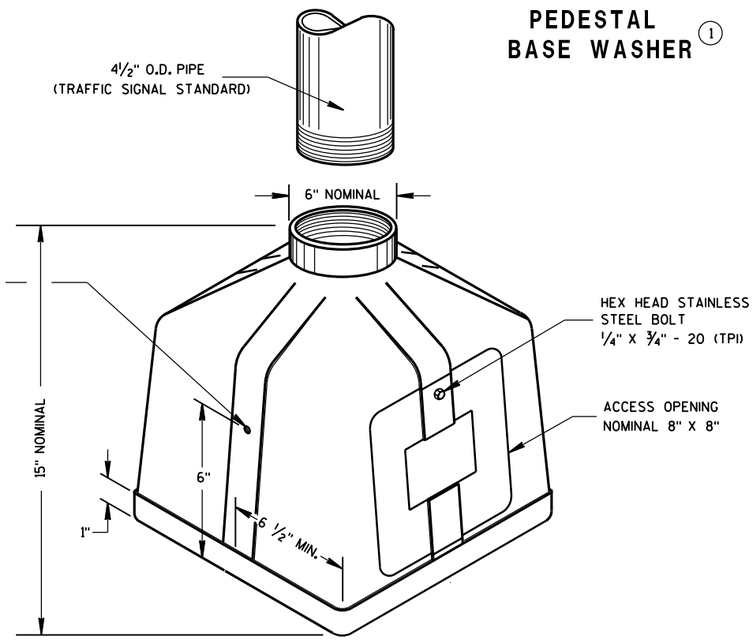


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

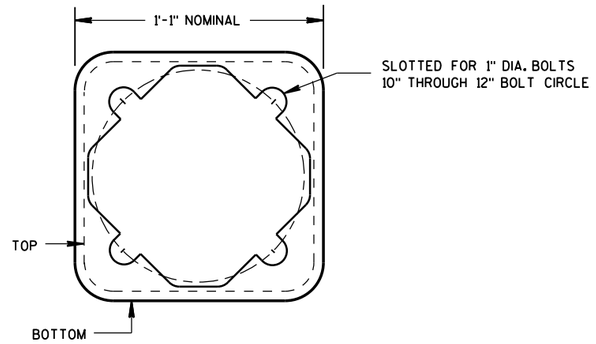


ISOMETRIC VIEW

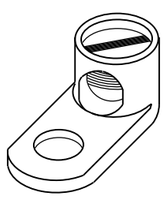


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

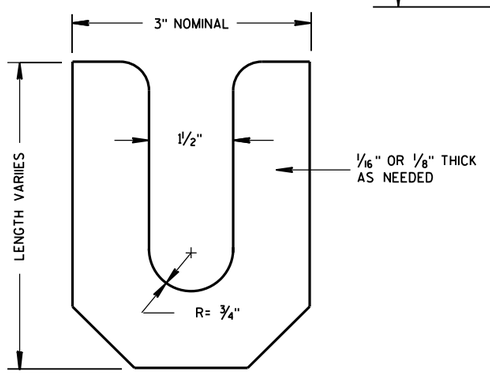


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

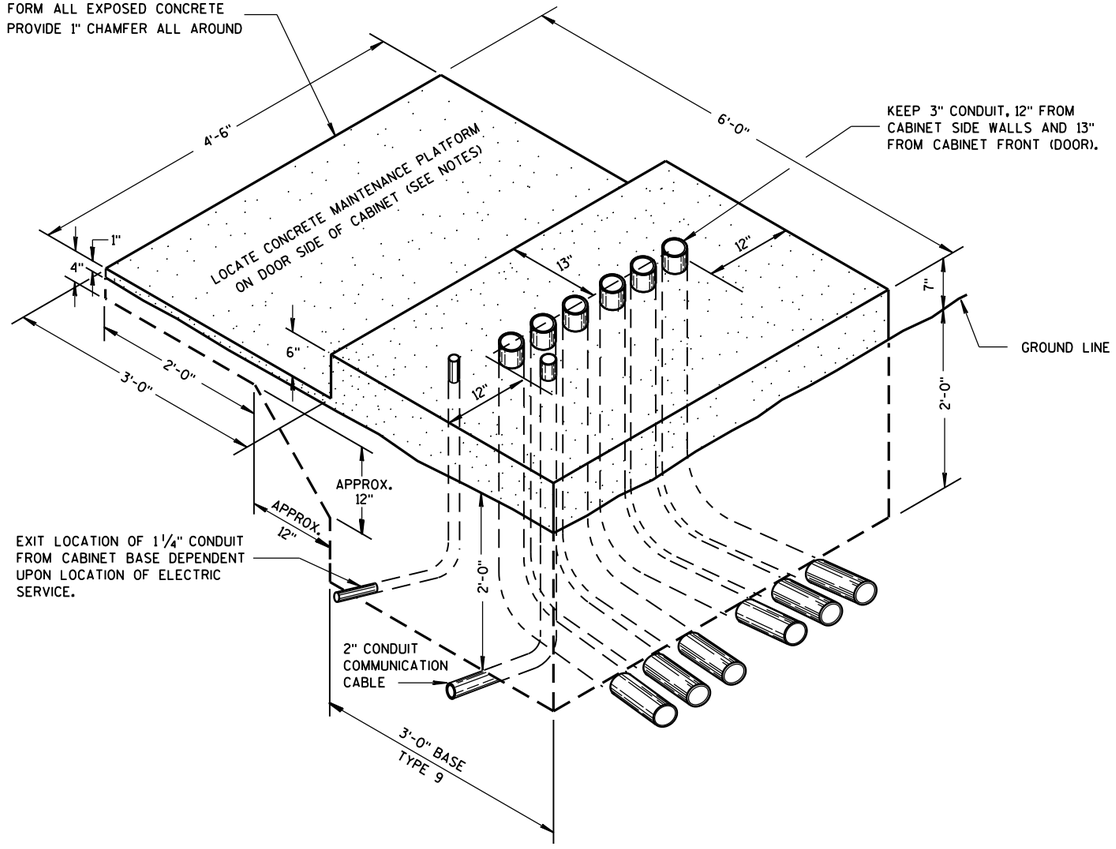
TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

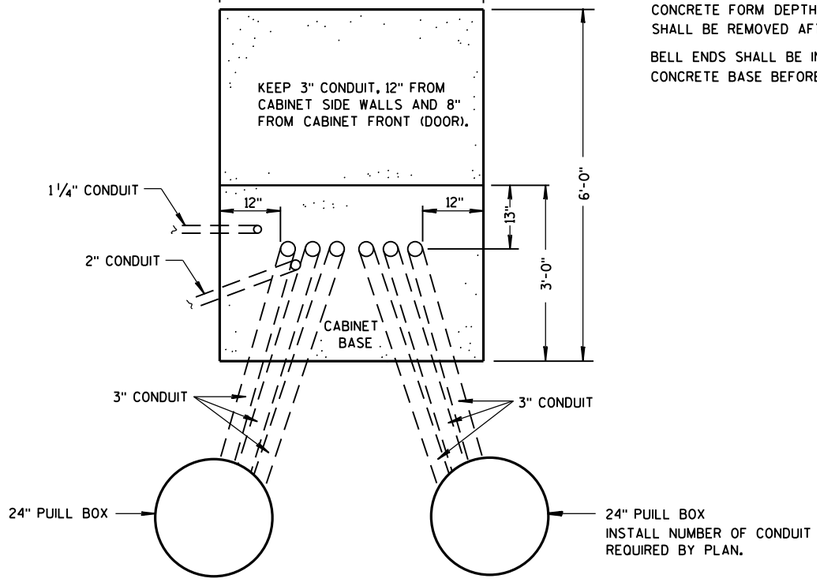
S.D.D. 9 C 3-4



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 ½ 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 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.

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 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 GRADE 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 OR PLUGGED.

CONDUIT EXITING THE CONCRETE BASE (SIX THREE INCH) 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.

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL 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 AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS 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 AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL END INSTALLED. ALL CONDUIT SHALL BE SLOPED TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUIT 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.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC 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).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL 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.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

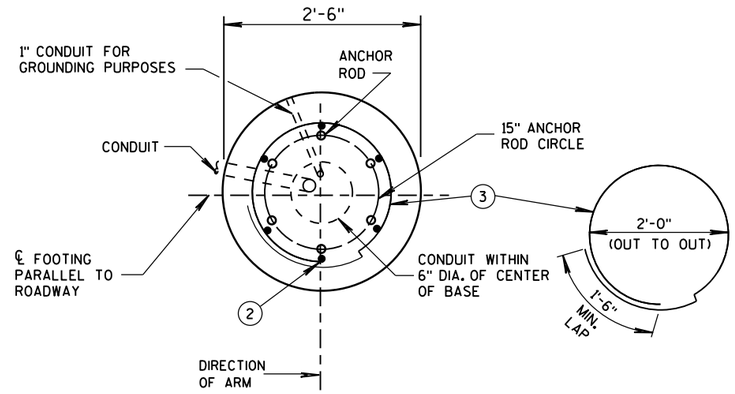
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

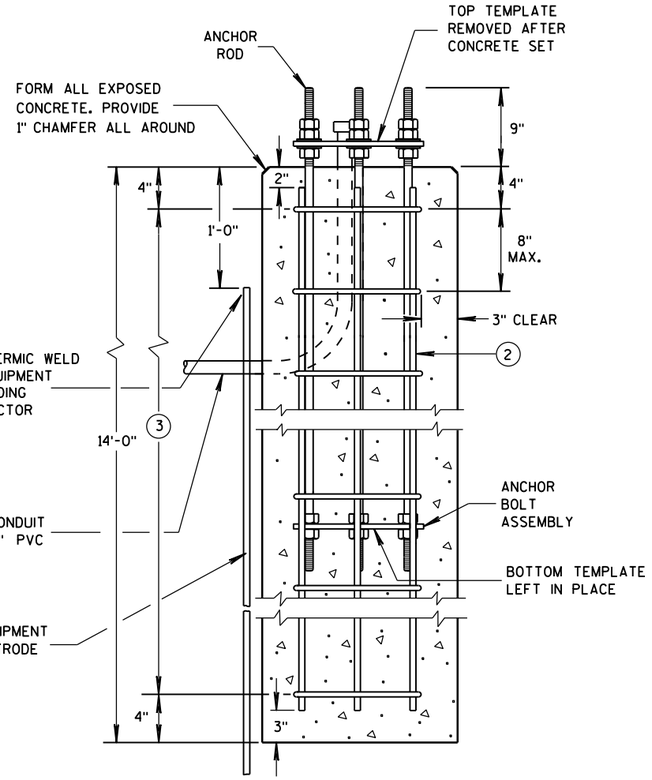
(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES. (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (6) NO. 6 X 13'-7" BAR STEEL REINFORCEMENT.

(3) (21) NO. 5 X 7'-10" BAR STEEL REINFORCEMENT @ 8" MAX. C-C.

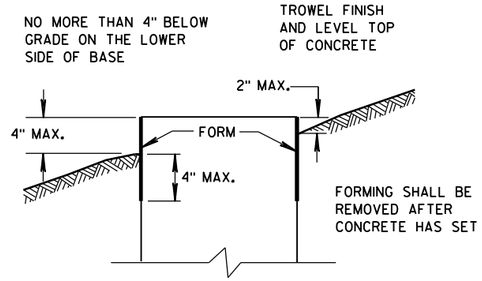
CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 641.2.2.3 OF THE STANDARD SPECIFICATION)	fy=55,000 p.s.i.
TEMPLATES, ASTM, A709 GRADE 36	fy=36,000 p.s.i.



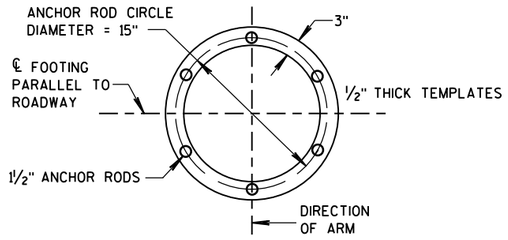


CONCRETE BASE TYPE 10
(FOR TYPE 9 & 10 & OVER HEIGHT (OH) POLES)

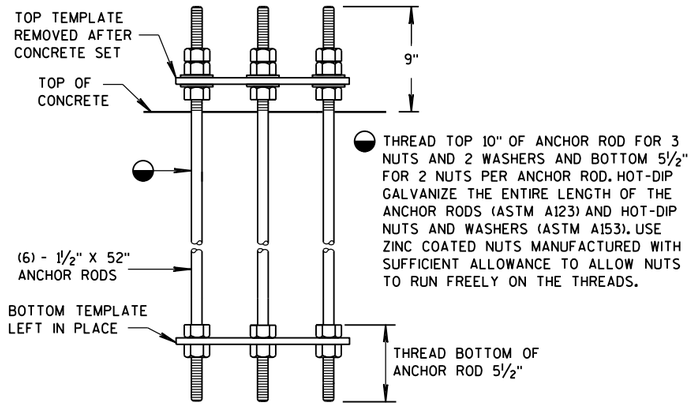
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE S.D.D. 9C13-2 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.



FORMING DETAIL



TOP AND BOTTOM TEMPLATES



ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE TYPE 10 ANCHOR ASSEMBLY

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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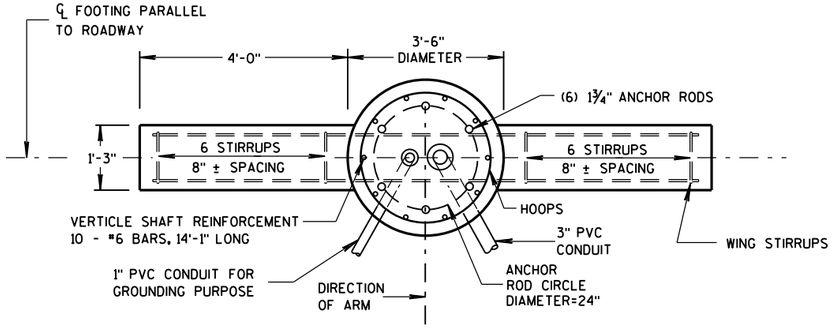
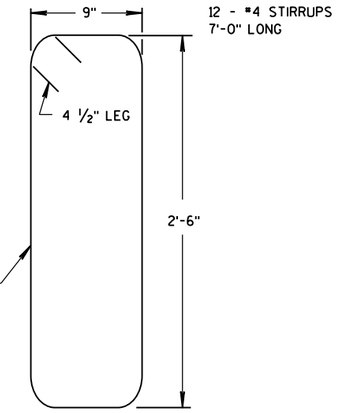
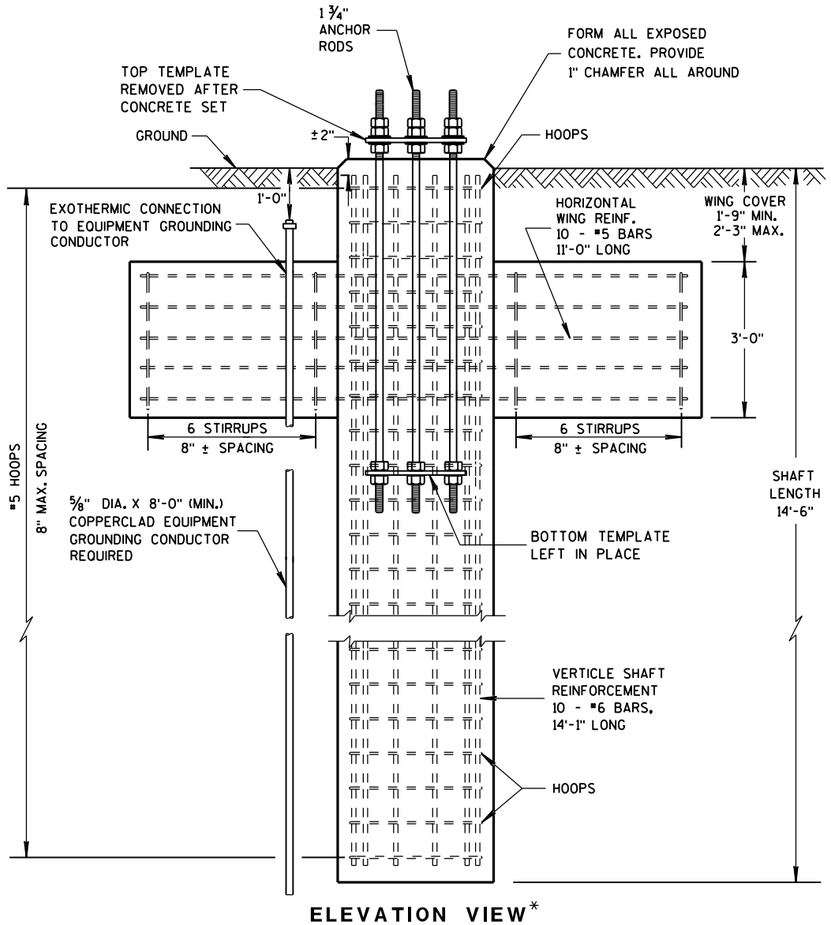
S.D.D. 9 C 11-10



PLAN VIEW

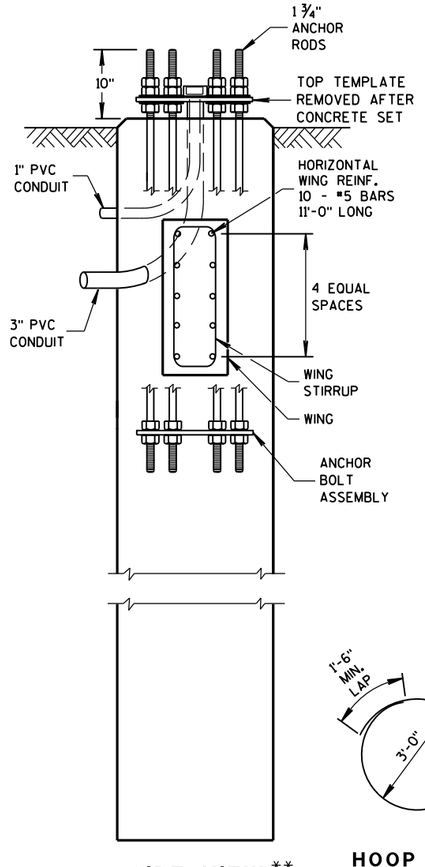


WING STIRRUP



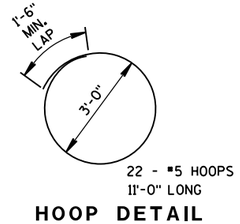
ELEVATION VIEW*

* CONDUITS ARE NOT SHOWN ON THIS VIEW FOR CLARITY



SIDE VIEW**

** HOOPS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN ON THIS VIEW FOR CLARITY



HOOP DETAIL

GENERAL NOTES

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

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR ROD PROJECTION ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF THE UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BASES (SHAFT), BELOW THE WING, SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUNG THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZE AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASE SHALL BE 4½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

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

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTOR FITTINGS, UL 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.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS.

THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVEL WAY SHALL BE 24-INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18-INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36-INCHES, (GREATER THAN 36-INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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 641.2.2.3 OF THE STANDARD SPECIFICATIONS	fy=55,000 p.s.i.
TEMPLATES, ASTM A709 GRADE 36	fy=36,000 p.s.i.

(FOR TYPE 12 & 13 & OVER HEIGHT (OH) POLES)

CONCRETE = 6.3 C.Y.
H.S. REINFORCEMENT = 635 LBS.

TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.
SEE S.D.D. 9C13-2 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.

CONCRETE BASE TYPE 13

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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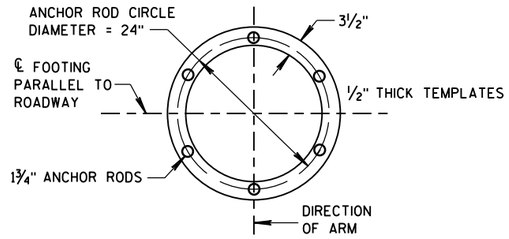
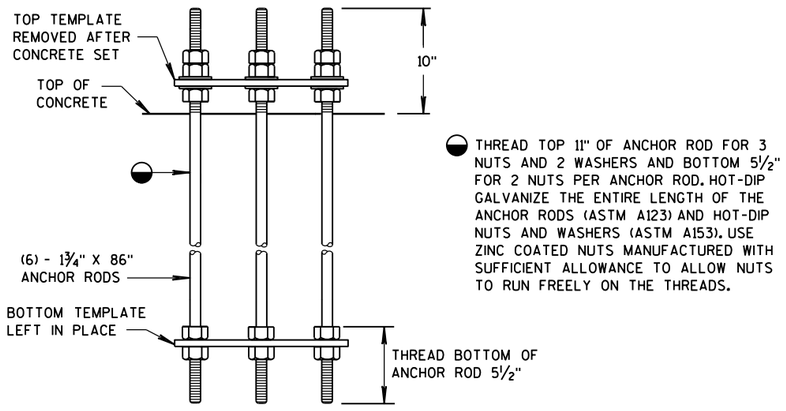
S.D.D. 9 C 12-9a

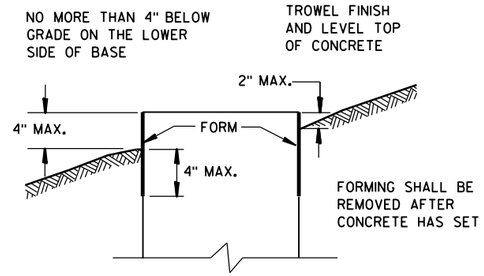


TOP AND BOTTOM TEMPLATES



ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE TYPE 13 ANCHOR ASSEMBLY



FORMING DETAIL

CONCRETE BASE TYPE 13	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2017 DATE FHWA	/S/ Ahmet Demirbilek STATE ELECTRICAL

6

S.D.D. 9 C 12-9b

6

S.D.D. 9 C 12-9b

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.

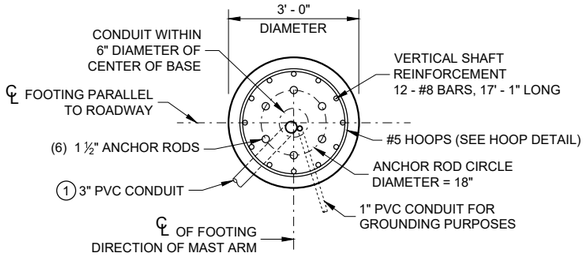
A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

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.

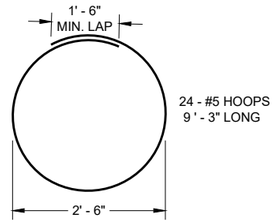
THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

(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.

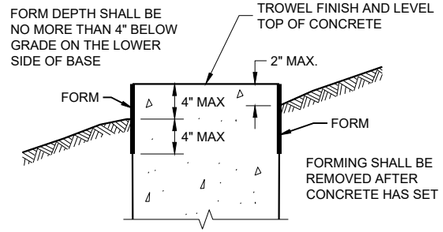
CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 641.2.2.3 OF THE STANDARD SPECIFICATION).....fy = 55,000 p.s.i.
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.



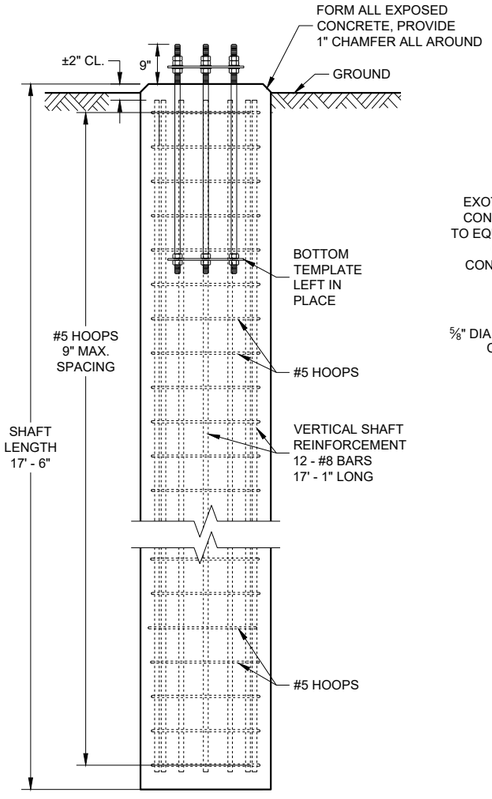
PLAN VIEW



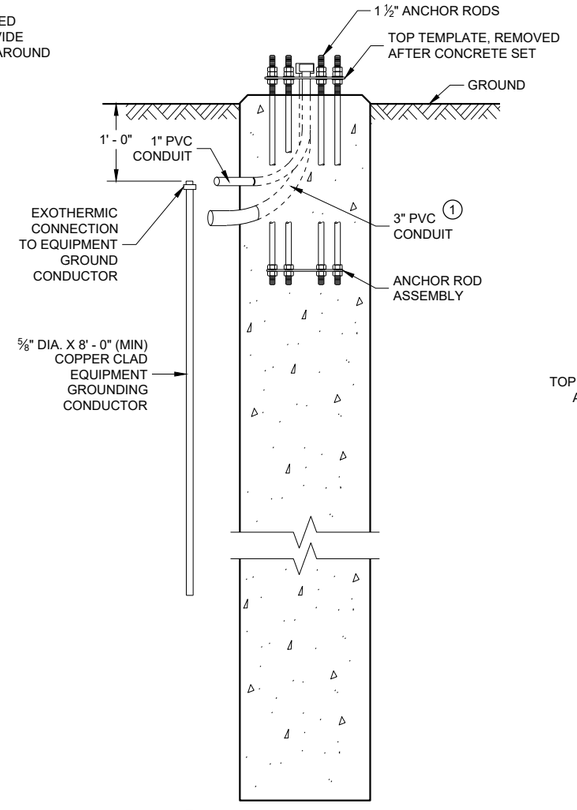
HOOP DETAIL



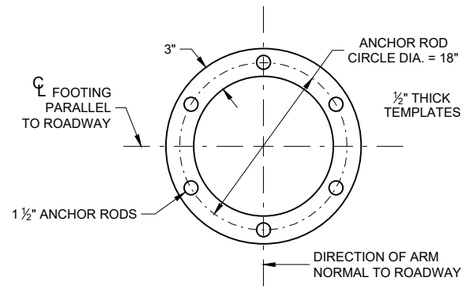
FORMING DETAIL



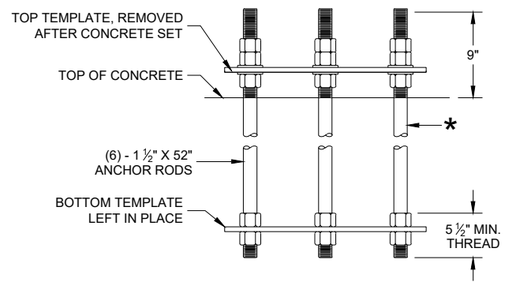
ELEVATION VIEW
(CONDUITS NOT SHOWN ON THIS VIEW FOR CLARITY)



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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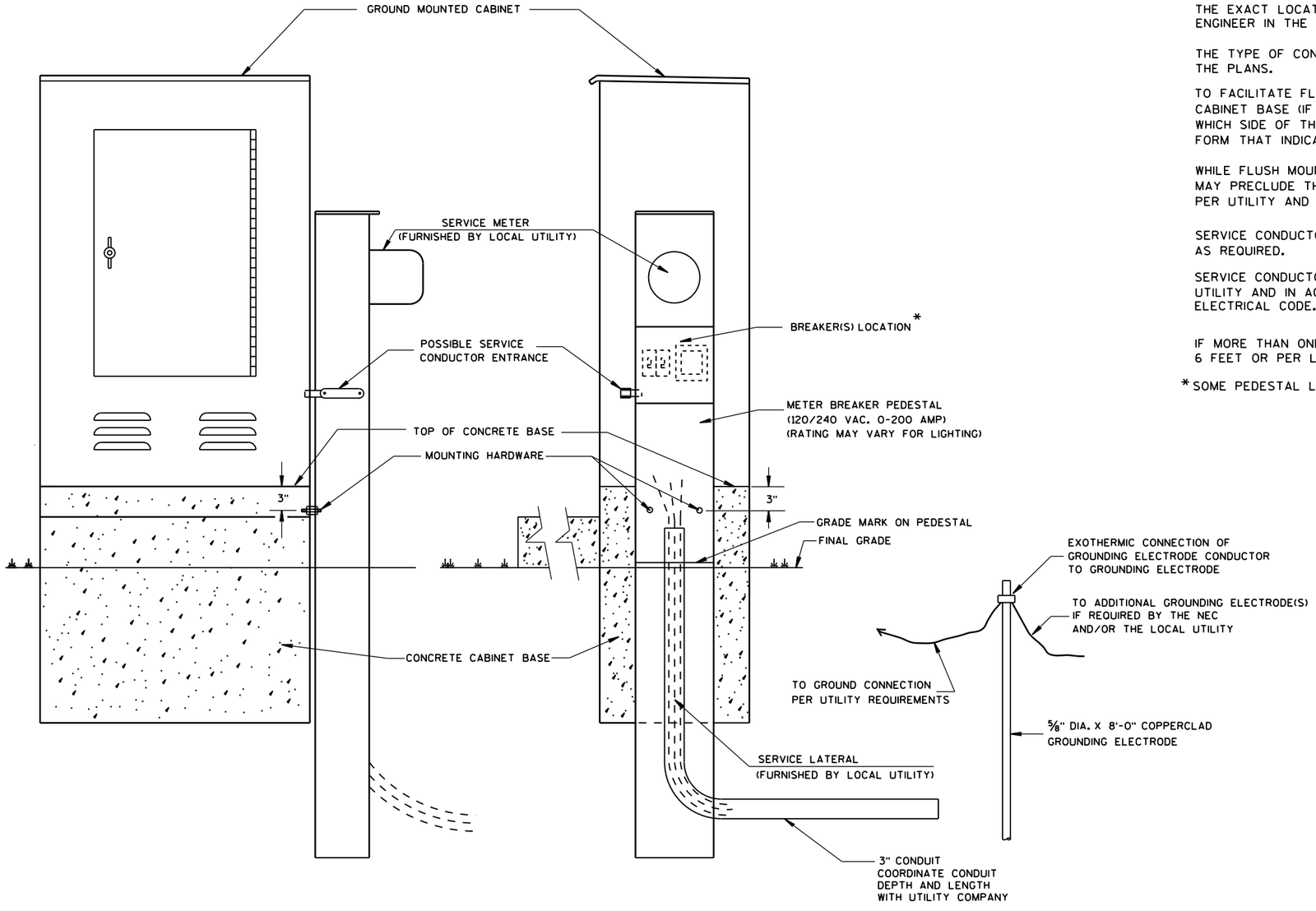
SDD 09C15 - 01



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.

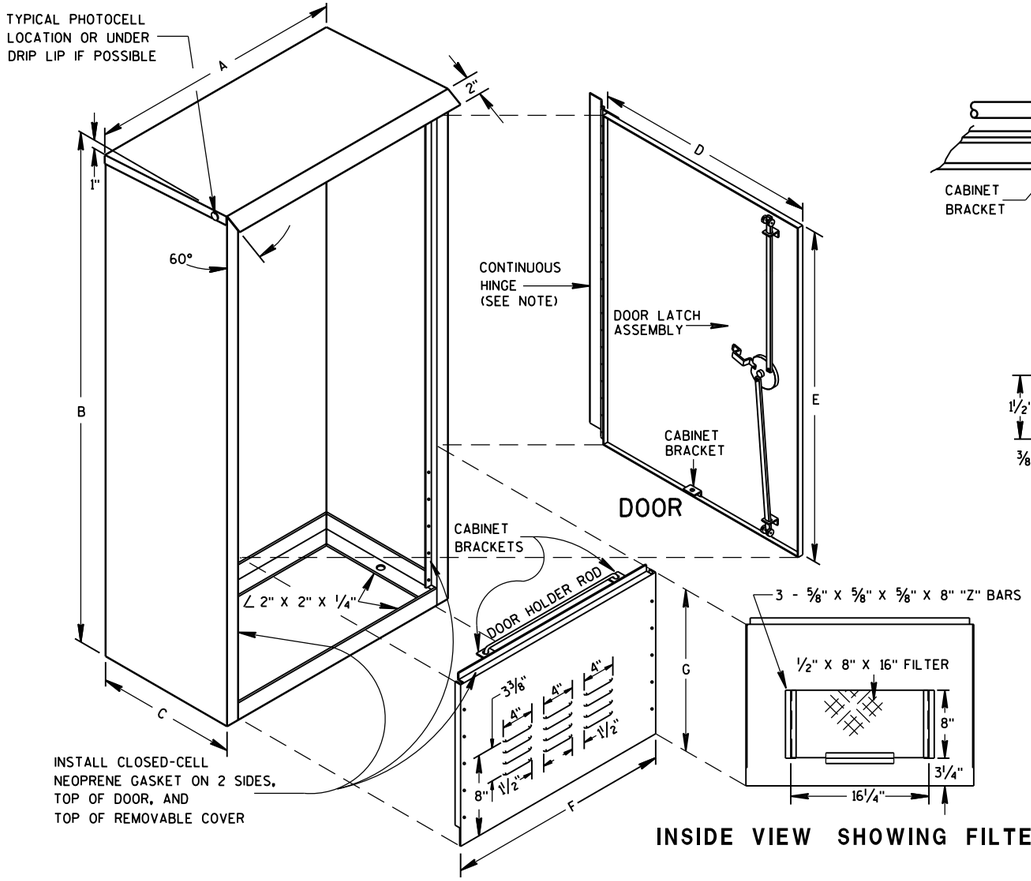
* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

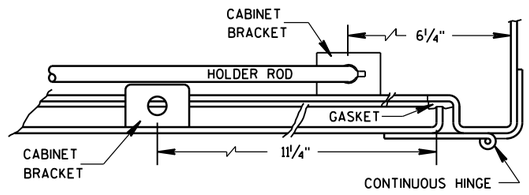
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6
S.D.D. 9 D 1-5

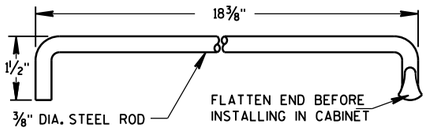


REMOVABLE COVER

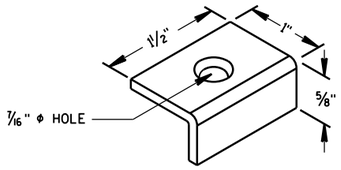
INSIDE VIEW SHOWING FILTER



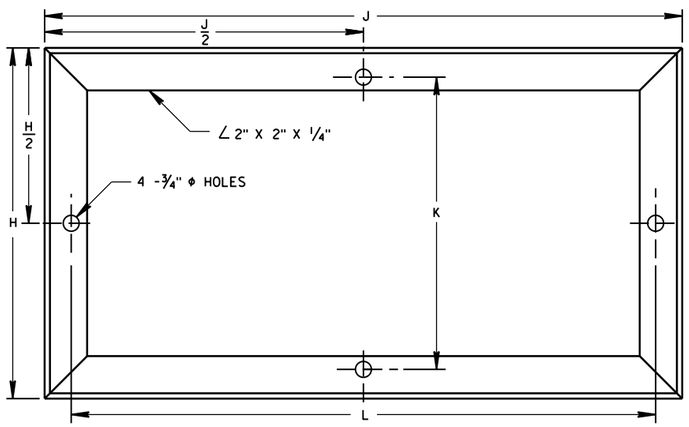
HINGE & DOOR HOLDER



HOLDER ROD



CABINET BRACKET



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 1/2	16 1/2	24
D	26 1/2	34 3/4	33 3/4
E	38 3/4	38 3/4	38 3/4
F	26 1/2	34 3/4	33 3/4
G	19	19	25
H	16 1/2	16 1/2	24
H/2	8 1/4	8 1/4	12
J	30	38	38
J/2	15	19	19
K	13 3/4	13 3/4	21 1/4
L	27 1/2	35 1/2	35 1/2

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.

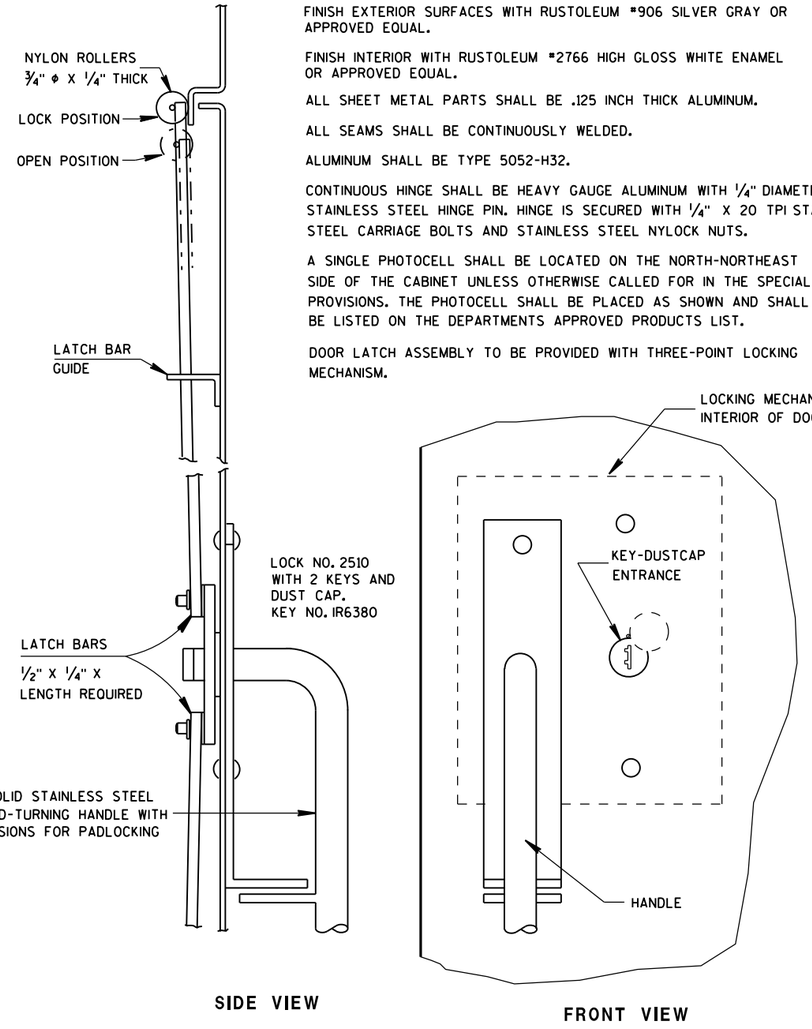
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH 1/4" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH 1/4" 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.

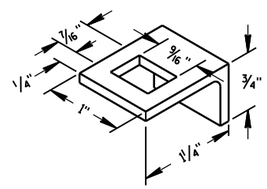
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.



SIDE VIEW

FRONT VIEW

LATCH ASSEMBLY



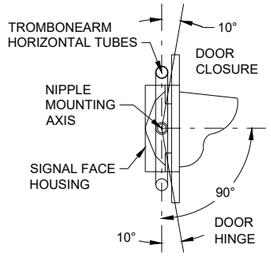
LATCH BAR GUIDE

SIGNAL CONTROL CABINET

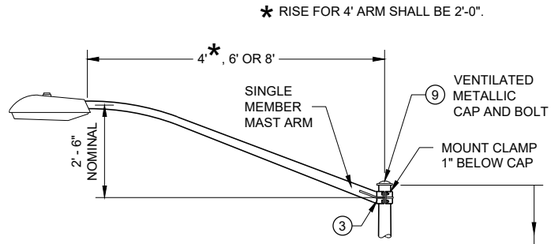
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

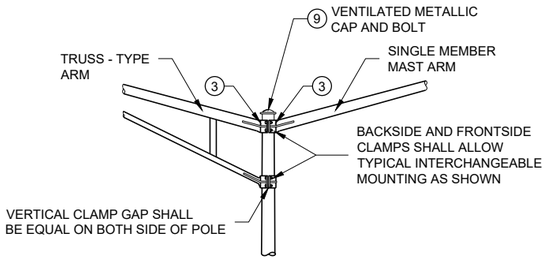
APPROVED
Sept. 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL
FHWA

6
S.D.D. 9 D 2-3

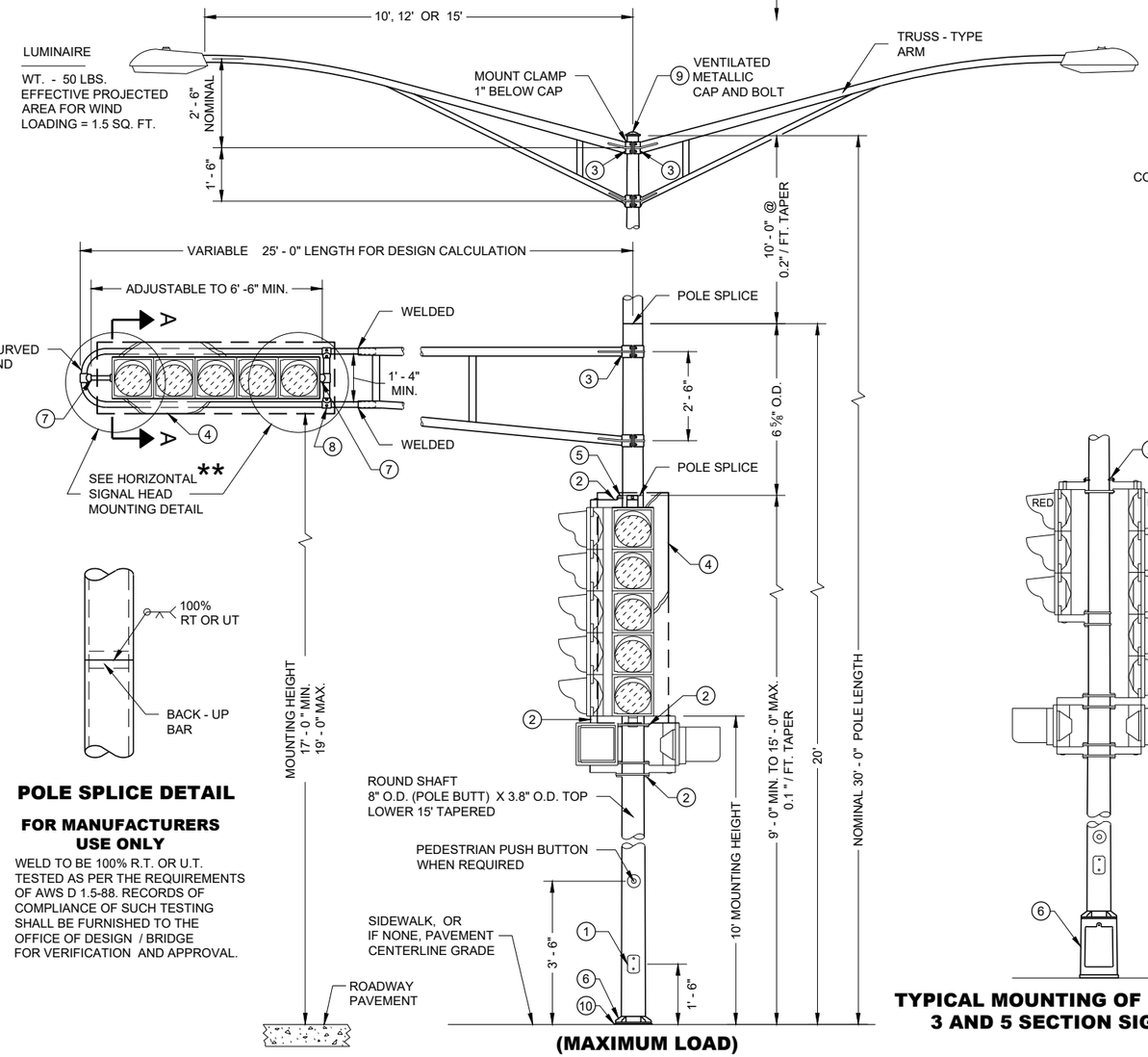


SECTION A-A

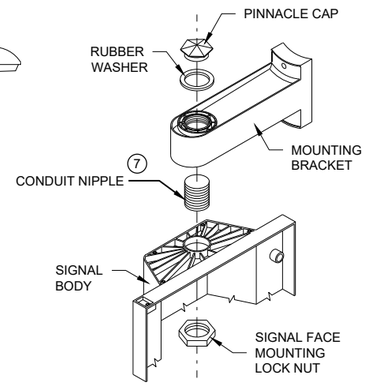




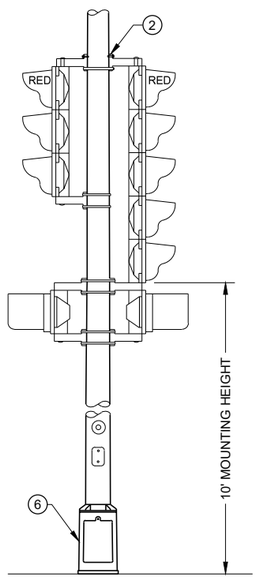
INTERCHANGEABLE MOUNTING DETAIL



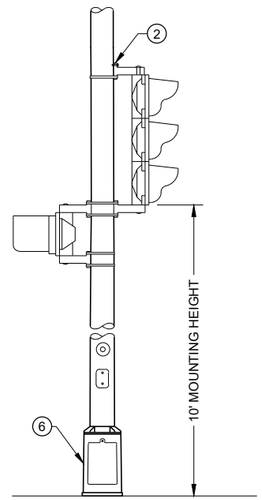
(MAXIMUM LOAD)



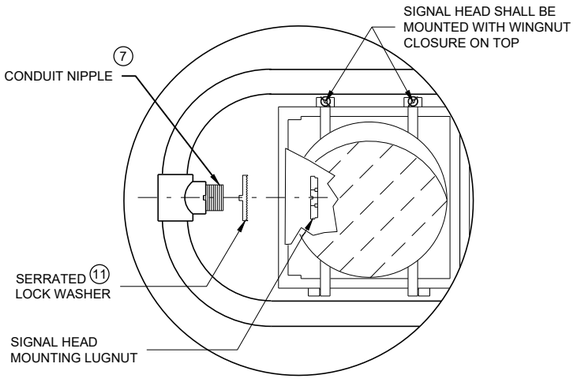
SIGNAL FACE MOUNTING DETAIL
(BANDED)



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

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.

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 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. UNDER MAX LOADING, TYPE 3 POLE SHALL BE MOUNTED DIRECTLY TO ITS CONCRETE BASE.

(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUT IS THE SLIDING TYPE.

(9) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

TYPE 3 POLE MOUNTING CONFIGURATION

POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS TYPE 3 (HEAVY DUTY)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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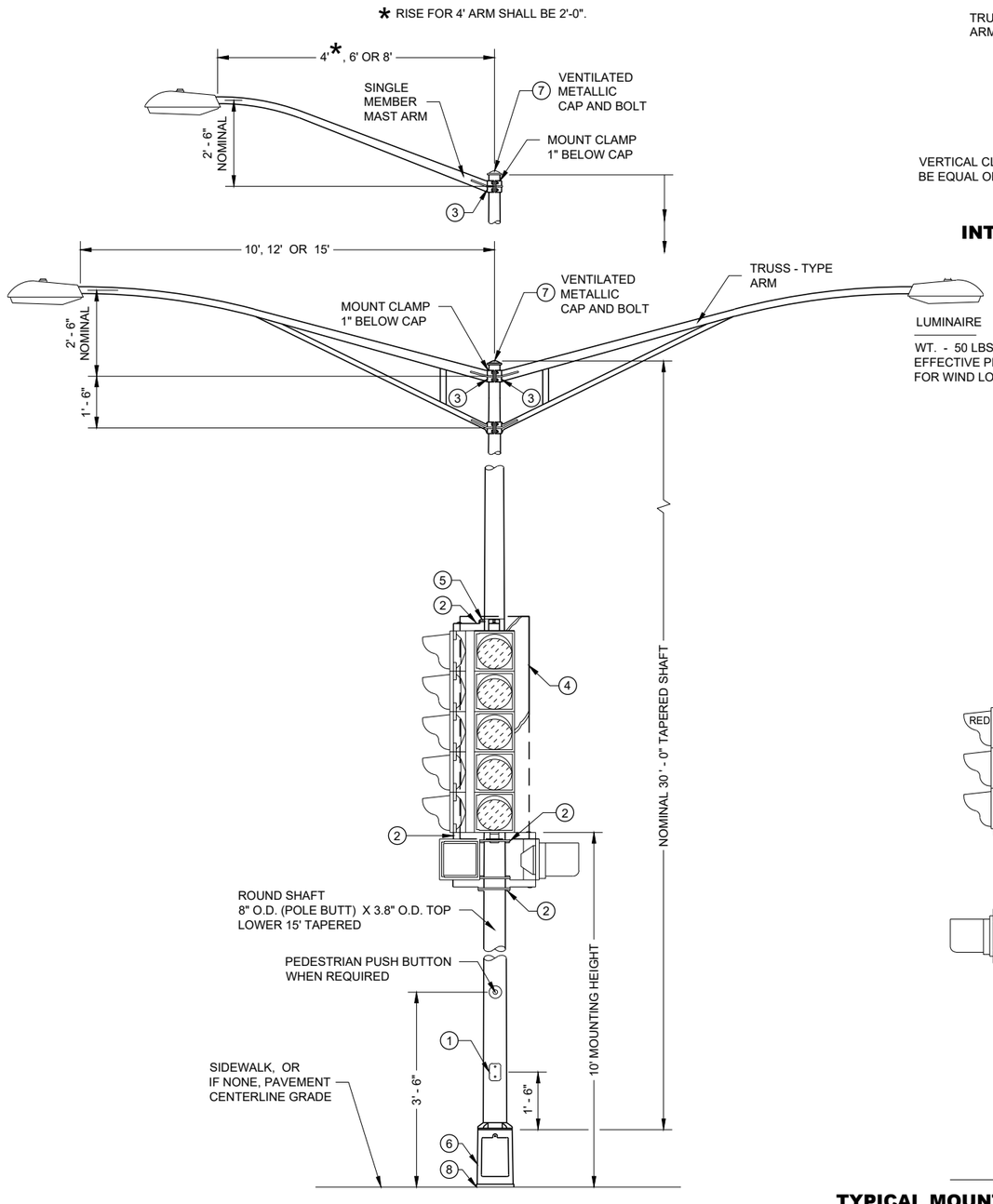
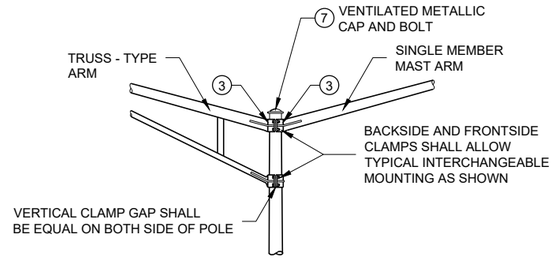


(MAXIMUM LOAD)



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.

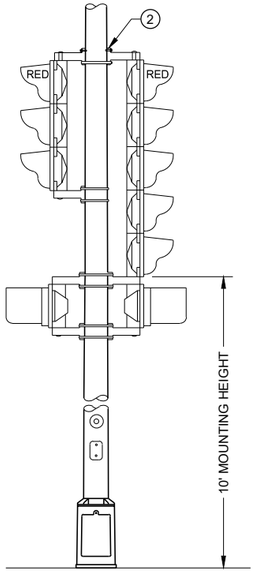
(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

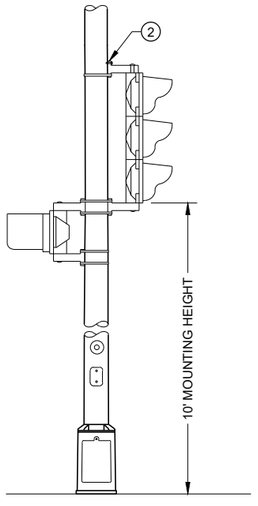
(7) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(8) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

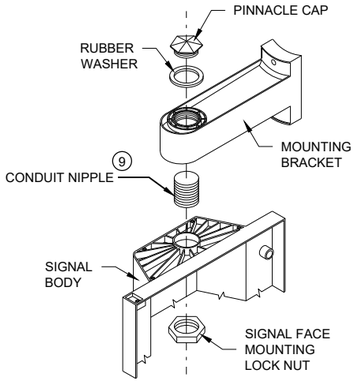
(9) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE 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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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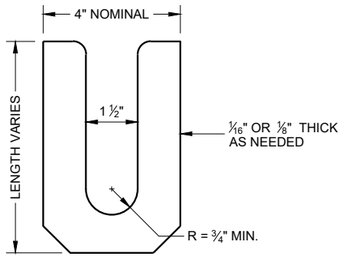
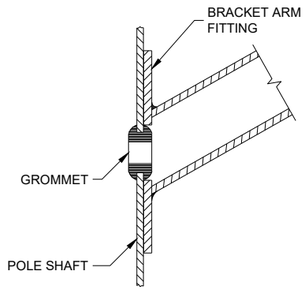
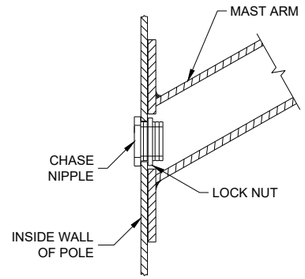


LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

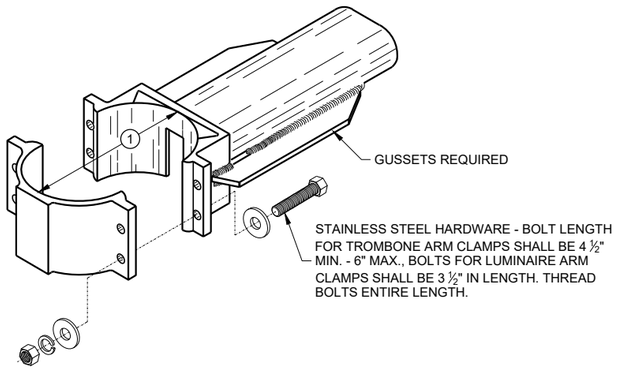
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

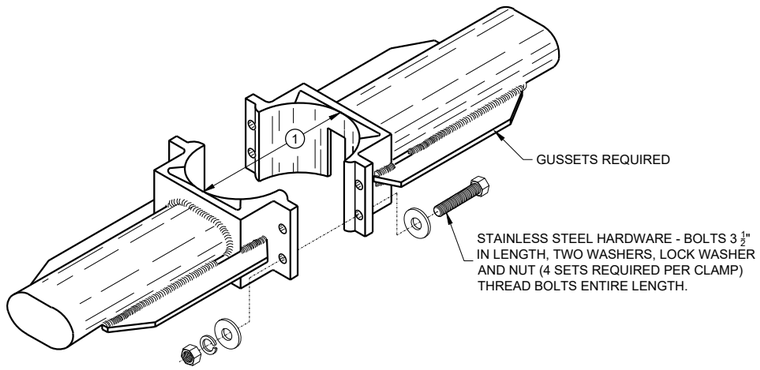
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

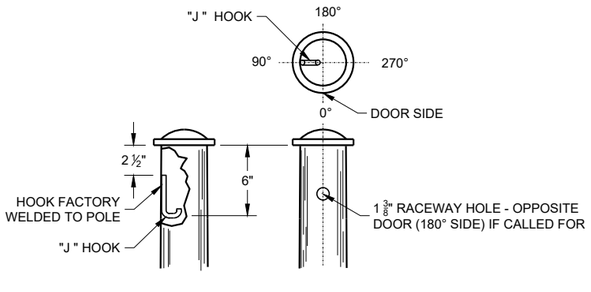
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



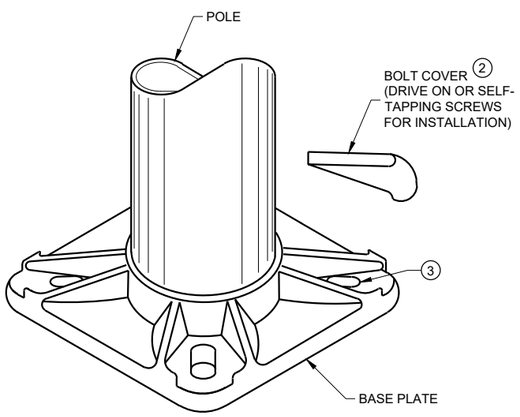
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



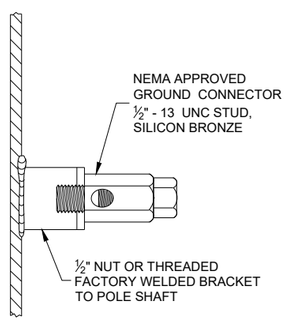
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

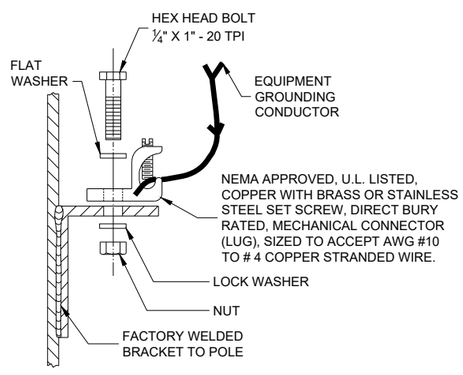


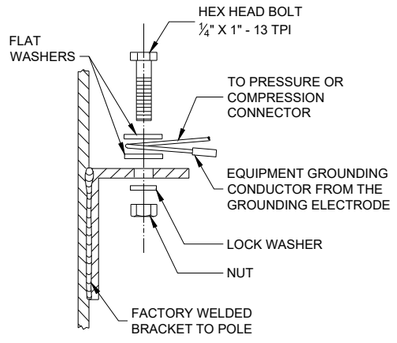
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 416

FHWA

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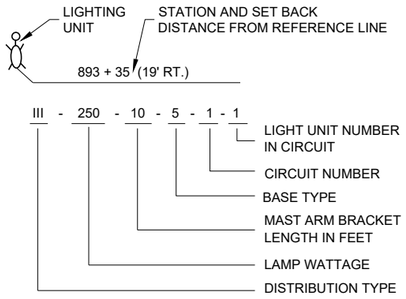
GENERAL NOTES

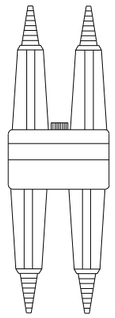
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

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.

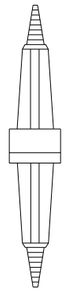
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



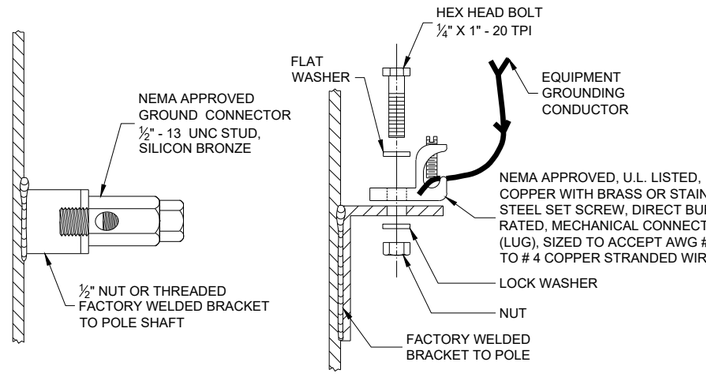
LIGHTING UNIT CODE
(TYPICAL)



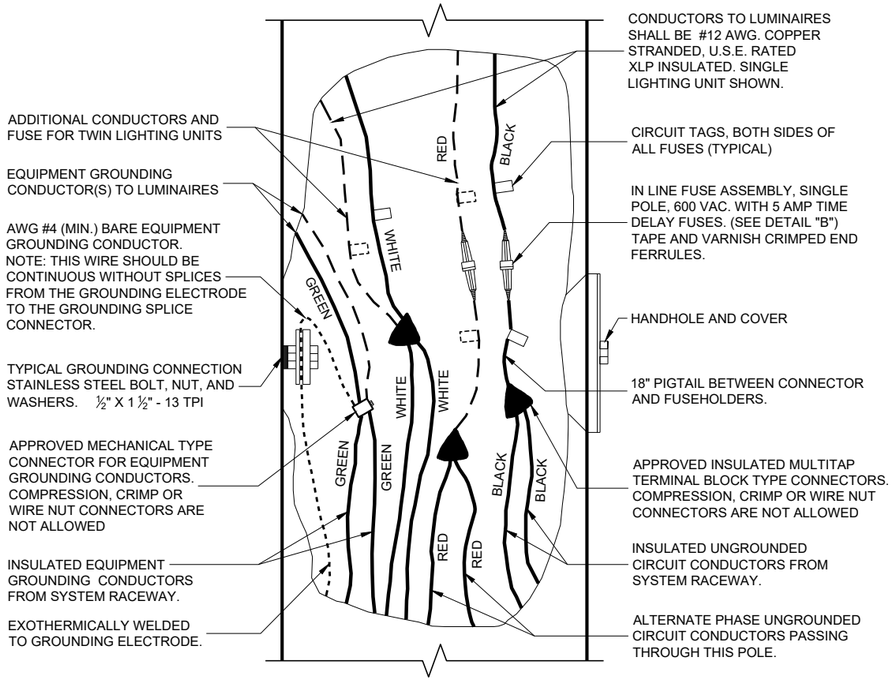
DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



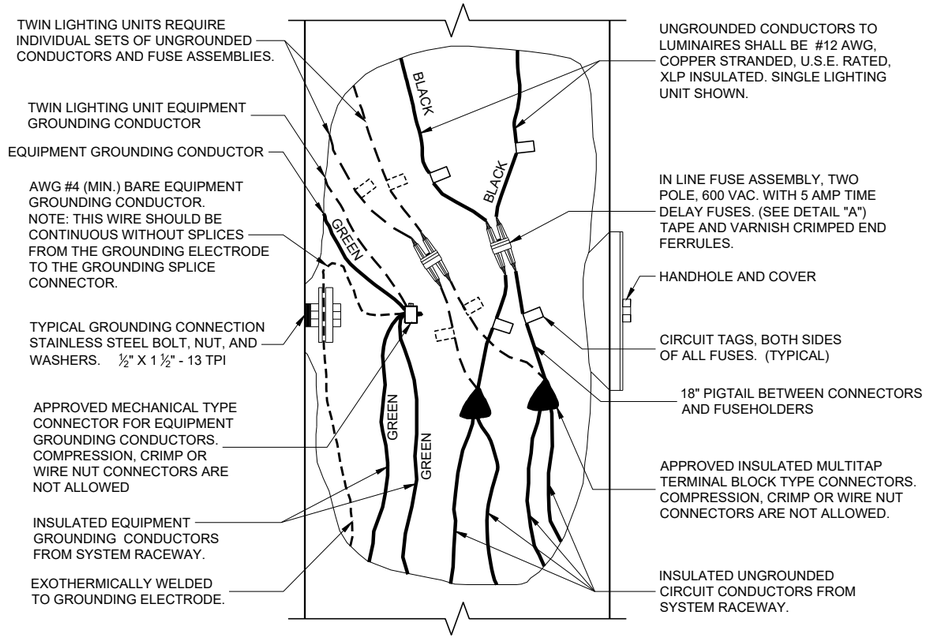
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



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
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STATE ELECTRICAL ENGI 417

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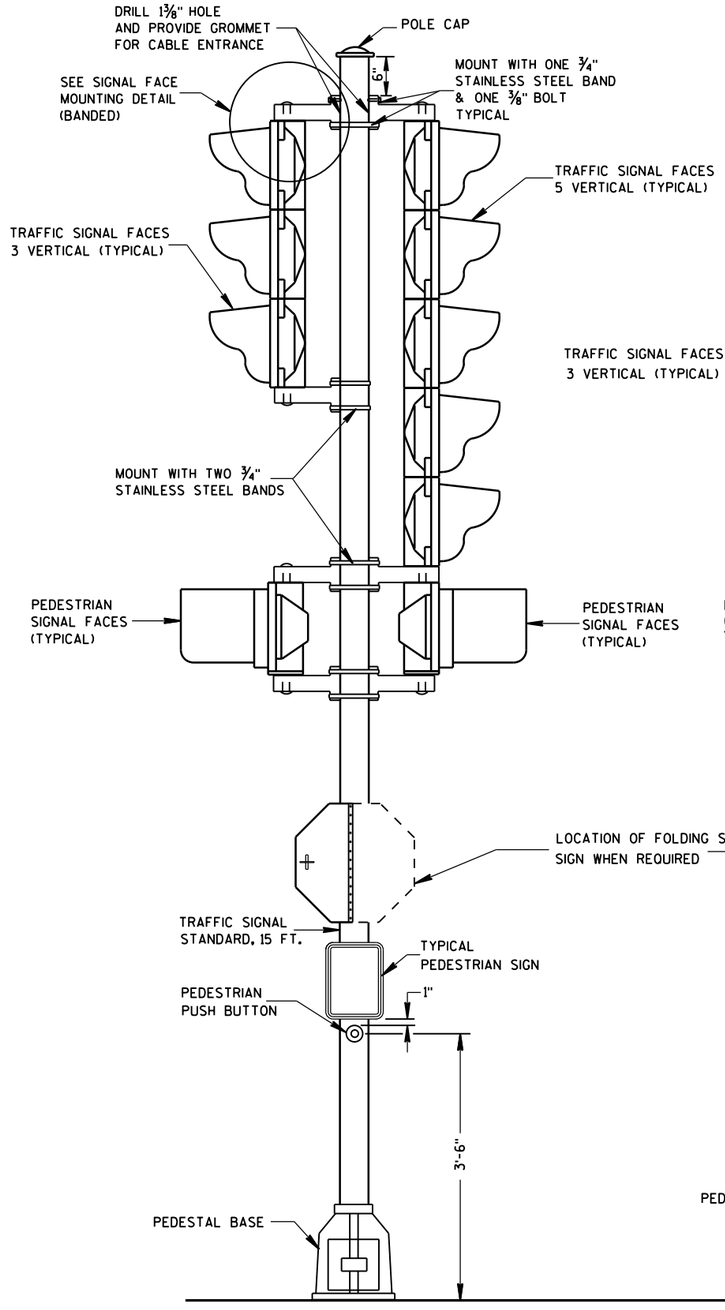
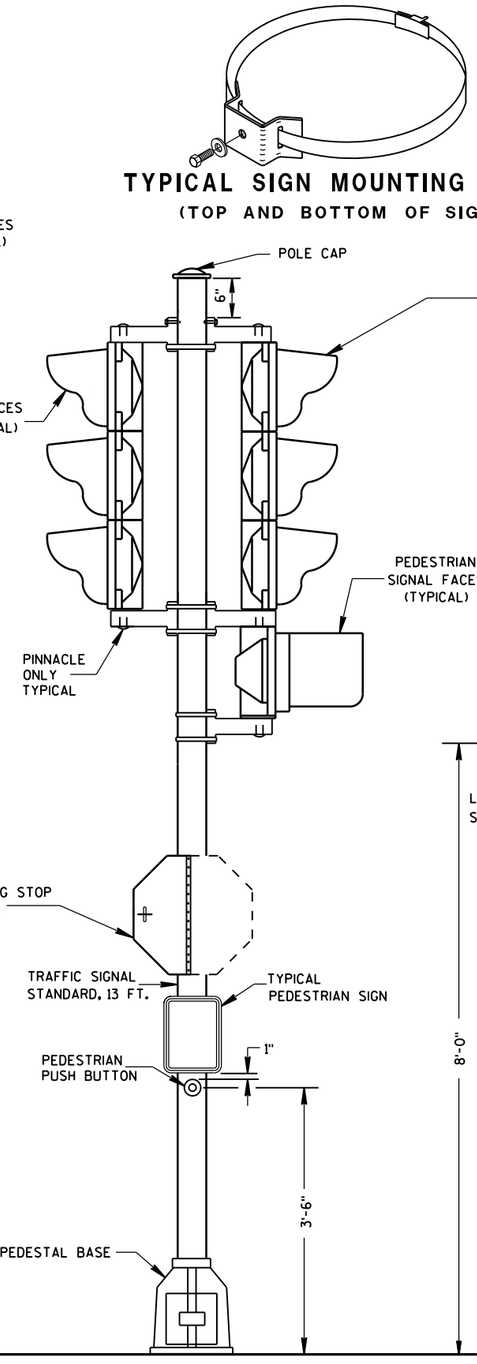
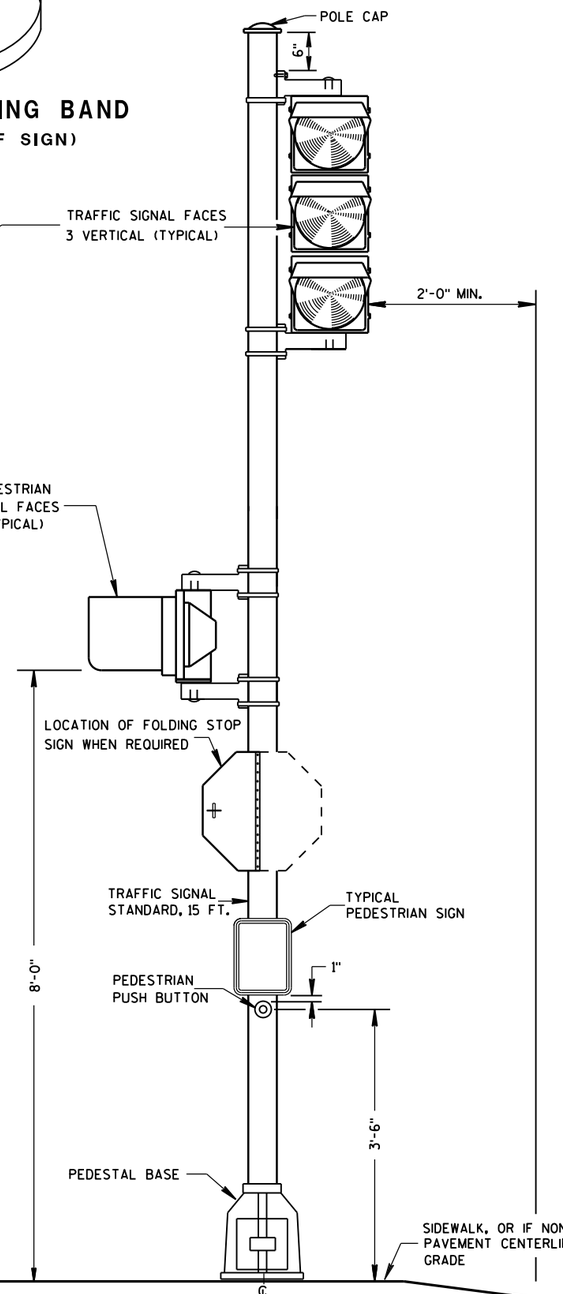


TRAFFIC SIGNAL STANDARD-15 FT.



TRAFFIC SIGNAL STANDARD-13 FT.

TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



TRAFFIC SIGNAL STANDARD-15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

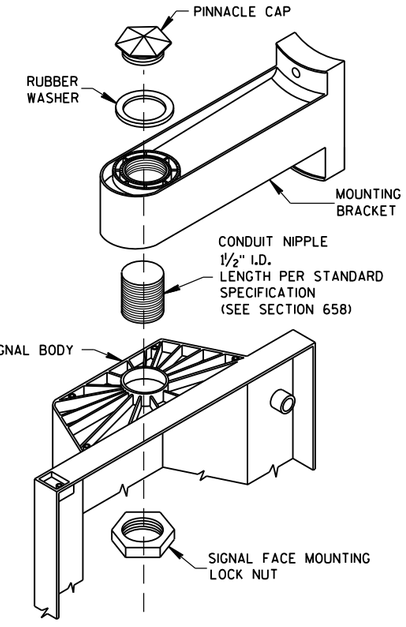
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SIGNAL FACE MOUNTING DETAIL
(BANDED)

TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

STATE OF WISCONSIN
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2/28/2013 — DATE
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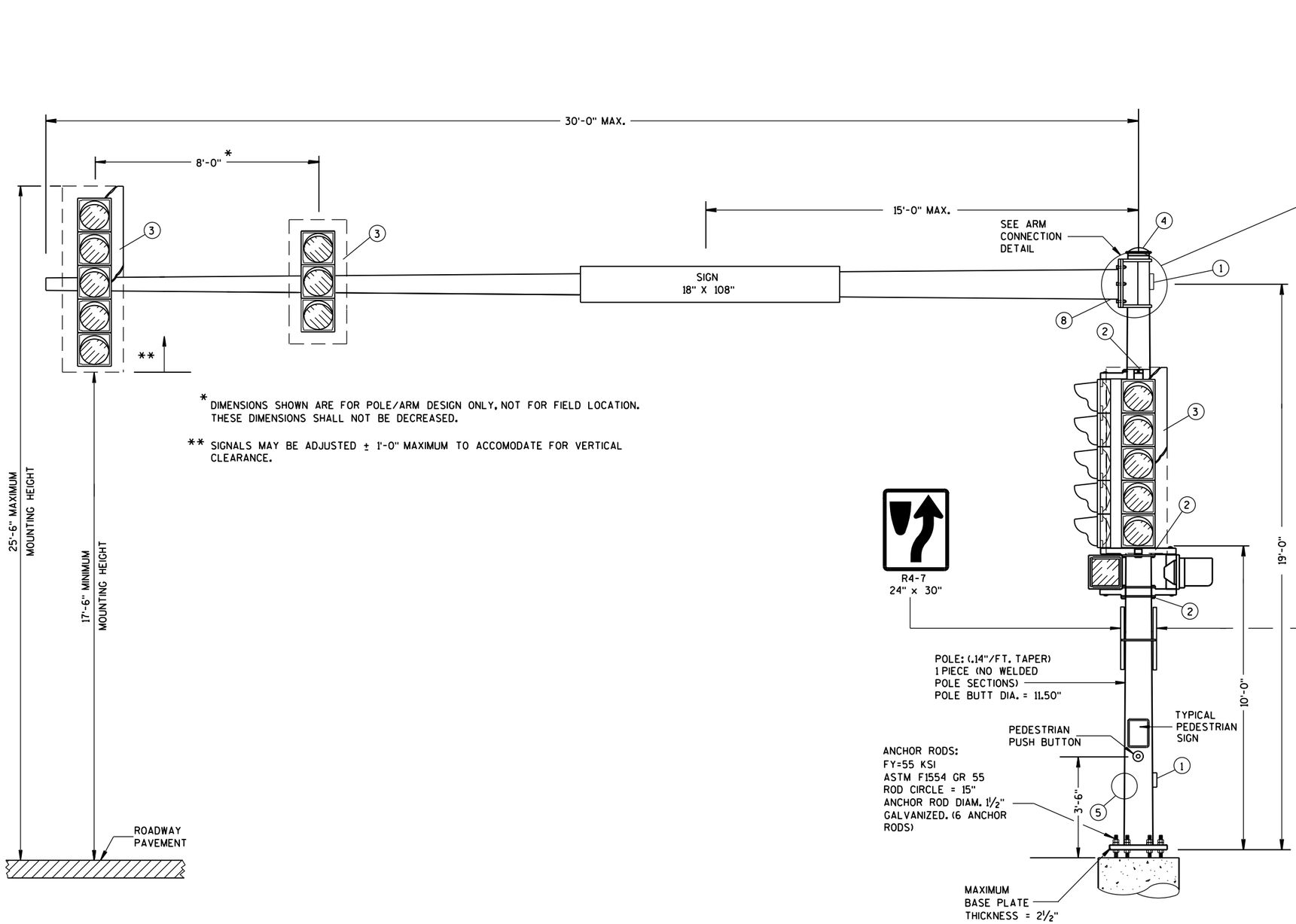
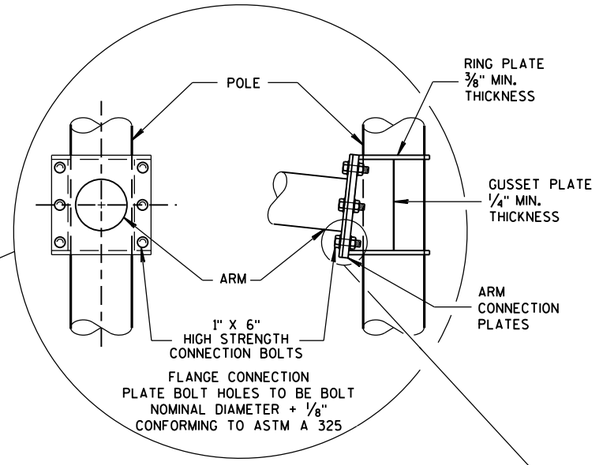
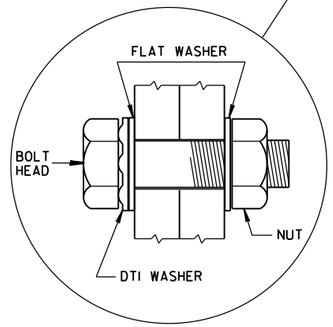


* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

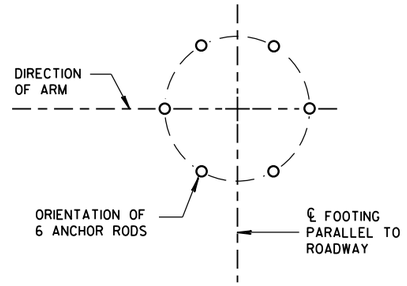
** SIGNALS MAY BE ADJUSTED ± 1'-0" MAXIMUM TO ACCOMODATE FOR VERTICAL CLEARANCE.



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL



ANCHOR ROD LOCATION

(MAXIMUM LOAD)

TYPE 9 POLE 15'- 30' MONOTUBE ARM

TYPE 9 POLE
15' - 30' MONOTUBE ARM

STATE OF WISCONSIN
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May, 2016 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
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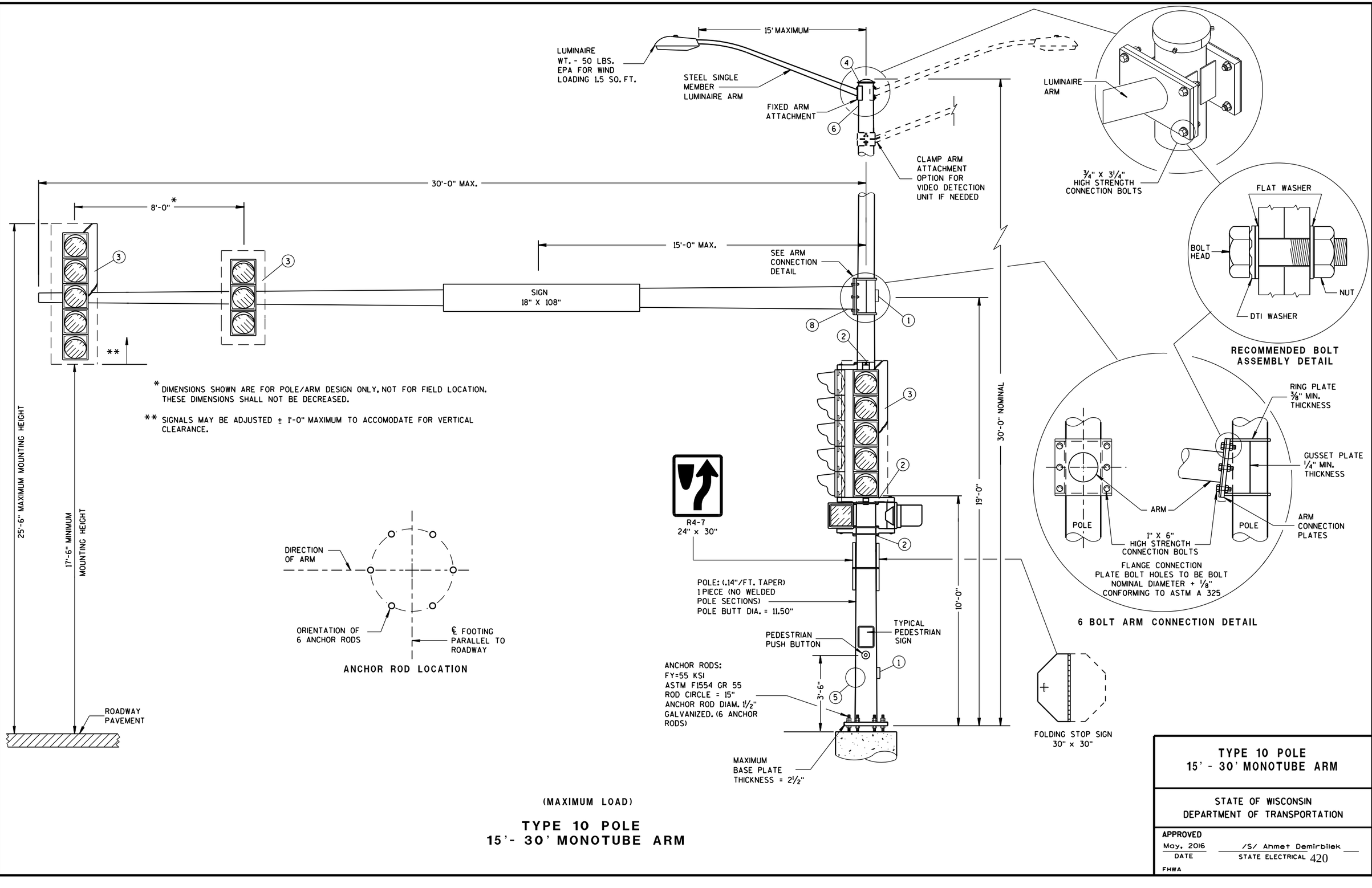

* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

** SIGNALS MAY BE ADJUSTED ± 1'-0" MAXIMUM TO ACCOMODATE FOR VERTICAL CLEARANCE.

(MAXIMUM LOAD)

TYPE 10 POLE
15'- 30' MONOTUBE ARM

TYPE 10 POLE
15' - 30' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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May, 2016 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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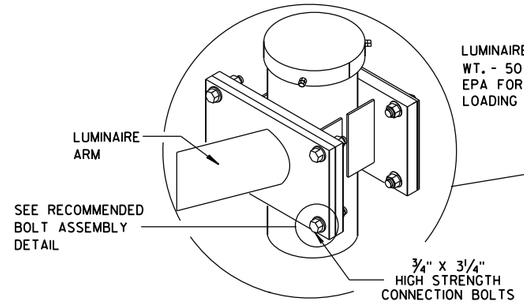
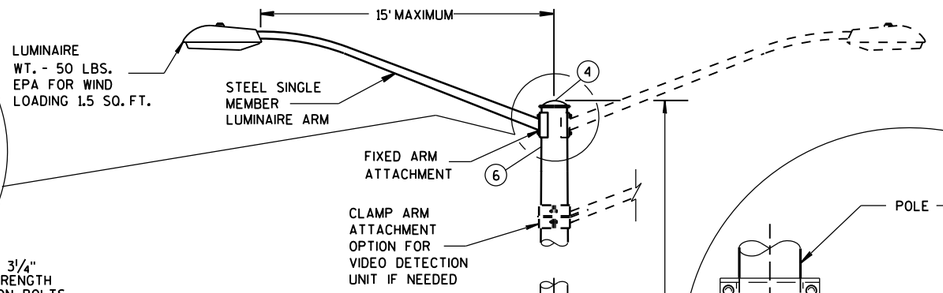
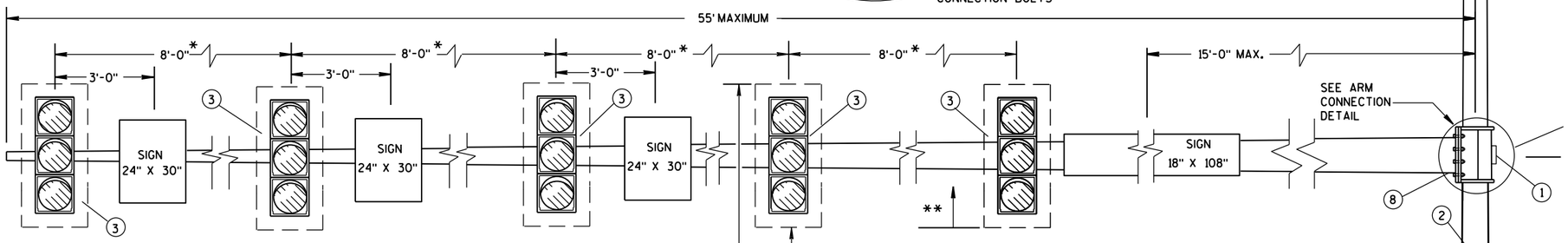
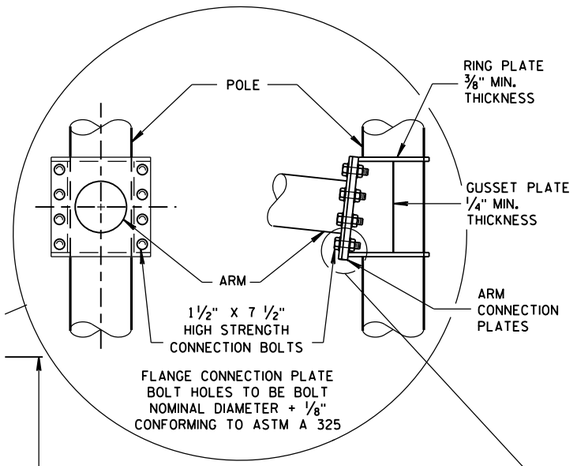
S.D.D. 9 E 8-8b





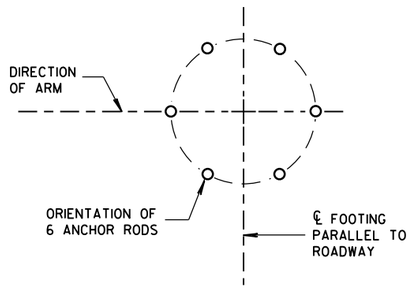




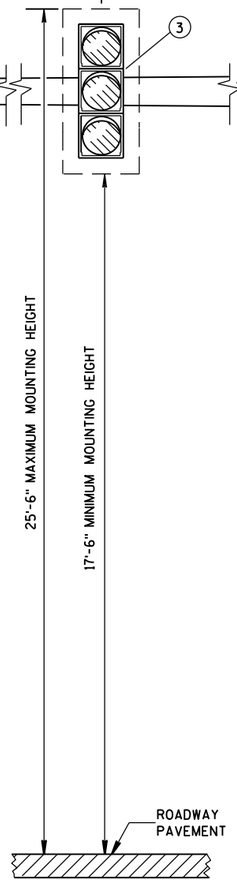
8 BOLT ARM CONNECTION DETAIL

* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

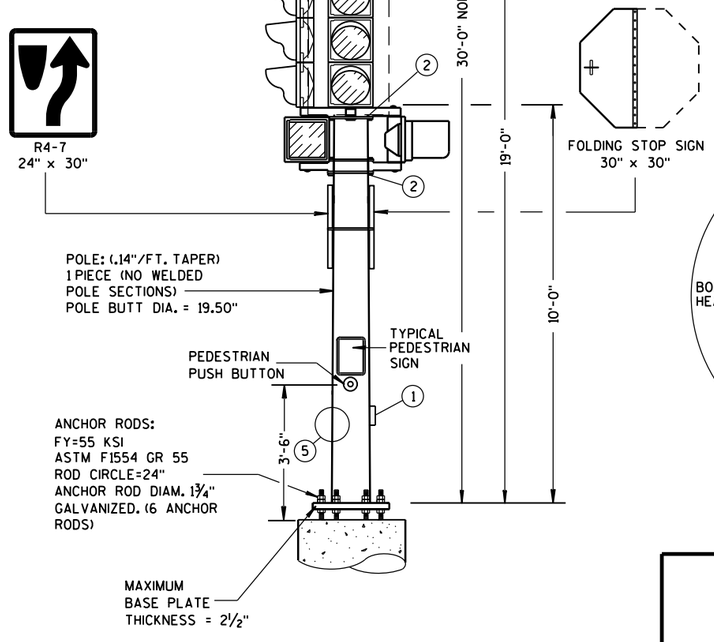
** SIGNALS MAY BE ADJUSTED ± 1'-0" MAXIMUM TO ACCOMODATE FOR VERTICAL CLEARANCE.

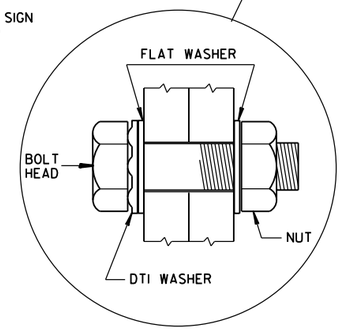


ANCHOR ROD LOCATION



(MAXIMUM LOAD)





RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 13 POLE 35'- 55' MONOTUBE ARM

TYPE 13 POLE
35' - 55' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2016 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

S.D.D. 9 E 8-8d

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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.

POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15-FOOT TO 30-FOOT.

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 2013 6TH EDITION AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR TRAFFIC AND LIGHTING STRUCTURES AND AS FOLLOWS:

- CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.
- CATEGORY II FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 12 AND TYPE 13 STRUCTURES.
- 90 MPH (3-SECOND GUST) WIND SPEED AND A 50 YEAR DESIGN LIFE.

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" S.S. BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT.

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR AS DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL. MOUNT ALL LIKE HEADS AT SAME ELEVATION.

SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

(1) DESIGN FOR MAXIMUM ALLOWABLE HANDHOLE WITH COVER ASSEMBLY WITH TWO ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

(2) SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING, (SEE SPECIFICATIONS SEC. 658).

(3) SECURELY MOUNT BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS.

(4) THE TOP OF THE POLE SHAFT AND THE END OF THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

(5) FACTORY-WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HANDHOLE, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.

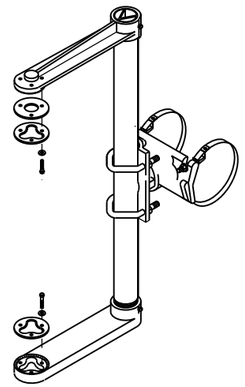
(6) FACTORY-WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

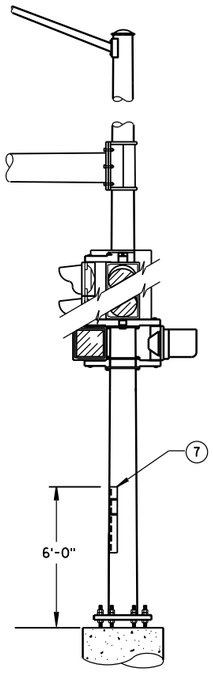
MOUNTING HEIGHT SHALL BE 6'-0" ABOVE THE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

(8) FACTORY DRILLED ½" DRAIN HOLE 2" FROM FLANGE CONNECTION PLATE.

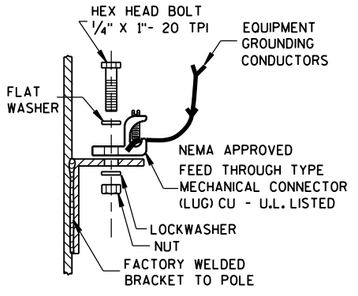


SIGNAL FACE MOUNTING BRACKET DETAIL FOR MONOTUBE ARM

(MOUNT PER MANUFACTURER'S RECOMMENDATION)

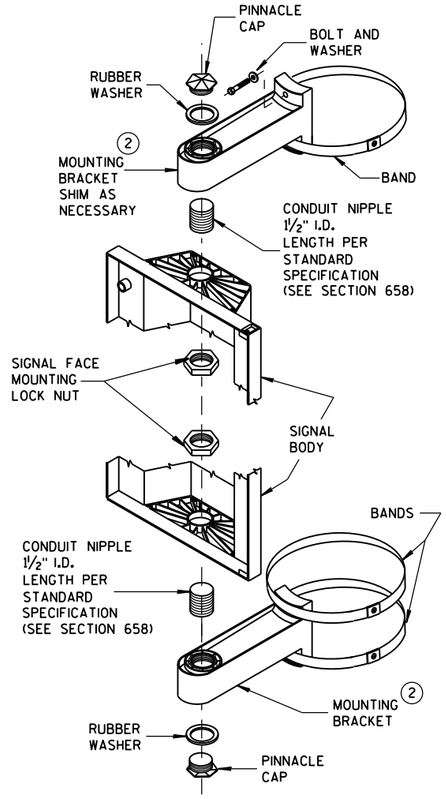


STRUCTURAL IDENTIFICATION PLAQUE PLACEMENT

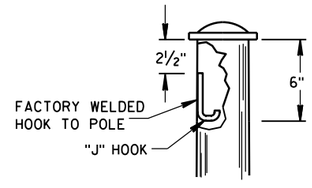


TYPICAL GROUNDING CONNECTIONS (5)

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



SIGNAL FACE VERTICAL MOUNTING DETAIL



"J" HOOK WIRE SUPPORT (6)

GENERAL NOTES AND HARDWARE DETAILS FOR TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2016 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 422
FHWA

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S.D.D. 9 E 8-8e

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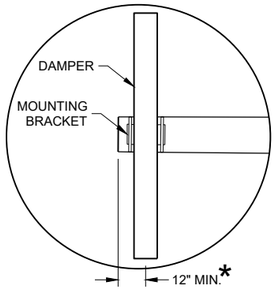
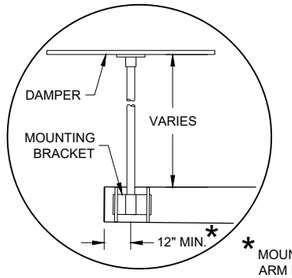
S.D.D. 9 E 8-8e

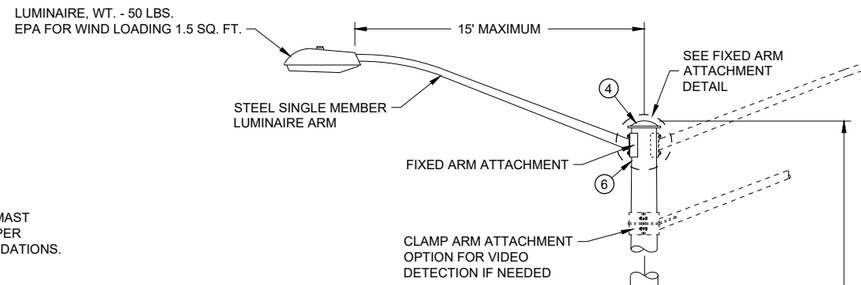


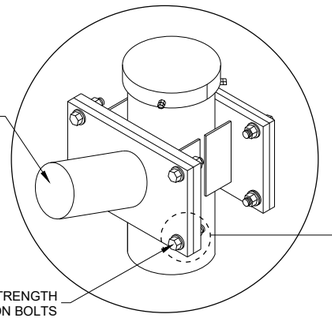
DUMBBELL VIBRATION DAMPER



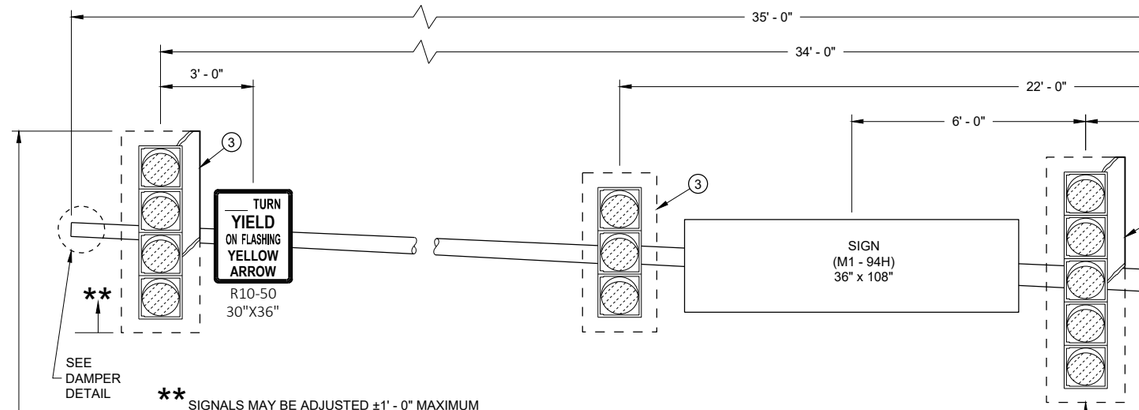
FLAT VIBRATION DAMPER

* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.

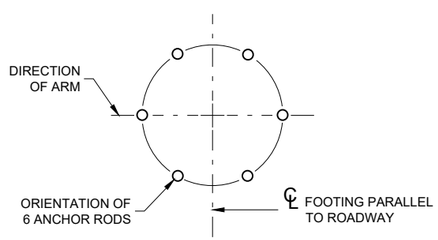




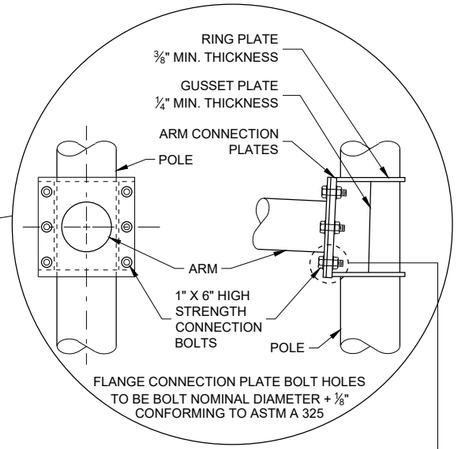
FIXED ARM ATTACHMENT DETAIL



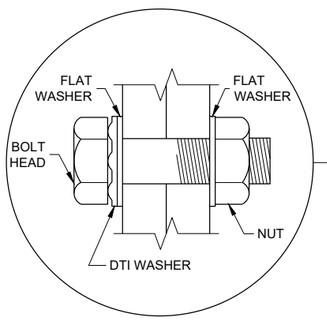
** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE



ANCHOR ROD LOCATION



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 SPECIAL POLE
35' MONOTUBE ARM
(MAXIMUM LOAD)

TYPE 10 SPECIAL POLE
35' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 423

FHWA

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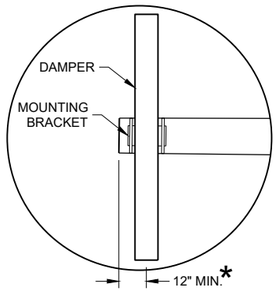
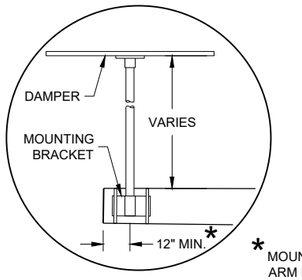
SDD 09E08 - 09f

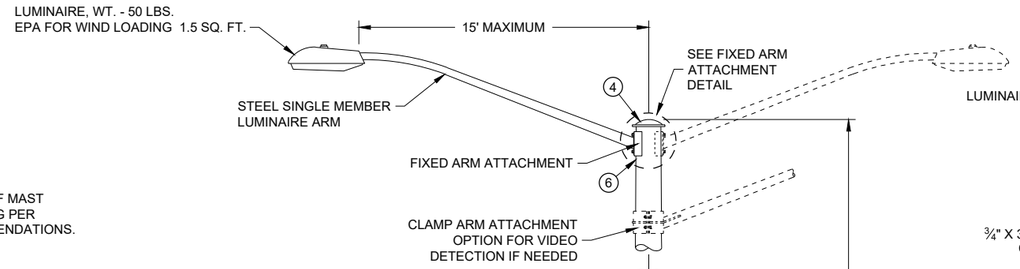


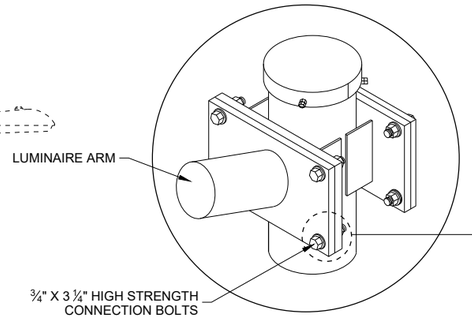
DUMBBELL VIBRATION DAMPER



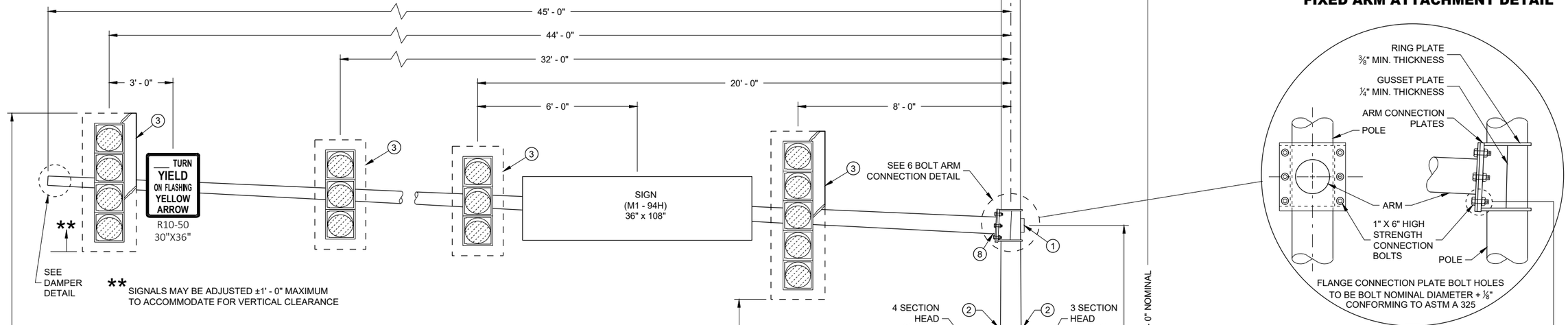
FLAT VIBRATION DAMPER

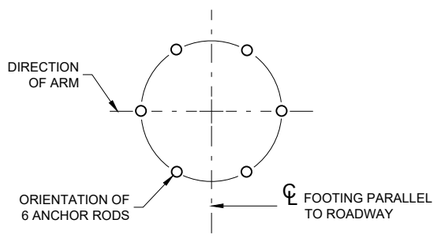
* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.





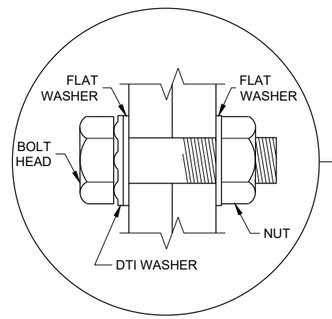
FIXED ARM ATTACHMENT DETAIL





ANCHOR ROD LOCATION

6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 SPECIAL POLE
45' MONOTUBE ARM
(MAXIMUM LOAD)

TYPE 10 SPECIAL POLE
45' MONTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
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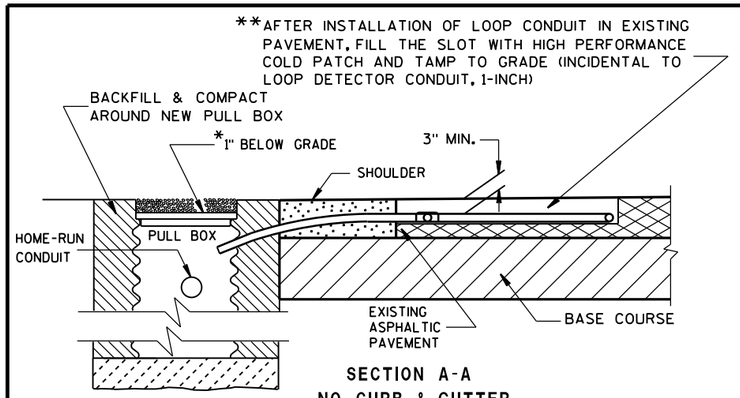
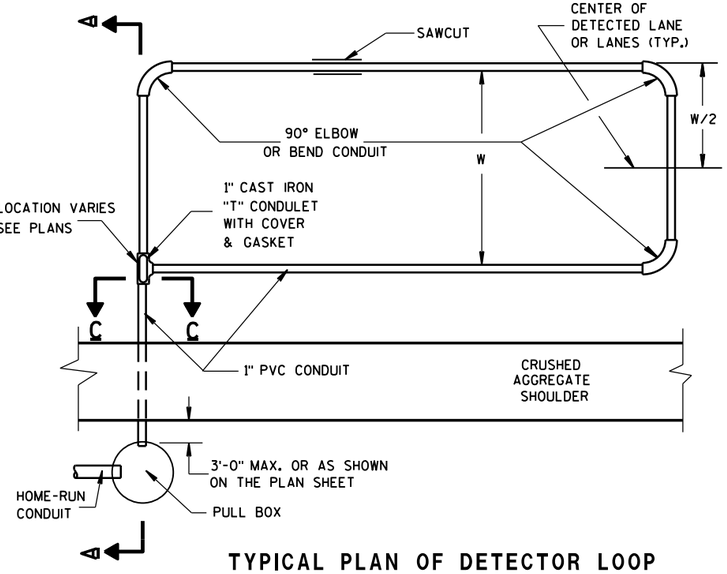


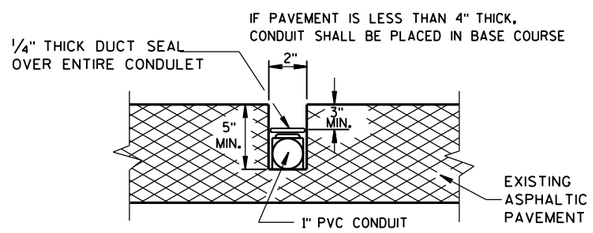
SECTION A-A
NO CURB & GUTTER

TYPICAL PLAN OF LOOP DETECTOR

*RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.



TYPICAL PLAN OF DETECTOR LOOP



SIDE VIEW
SECTION C-C

LOOP DETECTOR SLOT DETAIL

GENERAL NOTES

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

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL BOX.

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 RESISITANCE 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 READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

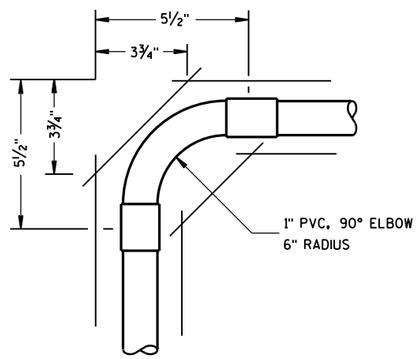
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE, NON-SPLICED, CONTINUOUS LENGTH.

IN THE EVENT THAT THE EXISTING PAVEMENT IS MORE THAN 5 INCHES THICK, AND THEREFORE , THE 1 INCH CONDUIT DOES NOT REQUIRE INSTALLATION BELOW THE PAVEMENT INTO THE BASE COURSE, PLACE SOME OF THE TAR OR EPOXY SEALANT IN THE SLOT TO A DEPTH OF APPROXIMATELY 1/2 INCH BEFORE INSTALLATION OF THE CONDUIT. IF THE CONDUIT MUST BE PLACED IN THE BASE COURSE, DO NOT PLACE THE TAR OR EPOXY SEALANT IN THE SLOT.

ONCE THE 2" LOOP SLOT HAS BEEN CHIPPED OUT, THE LOOP INSTALLATION SHALL BE COMPLETED PRIOR TO OPENING THE LANE(S) TO TRAFFIC.

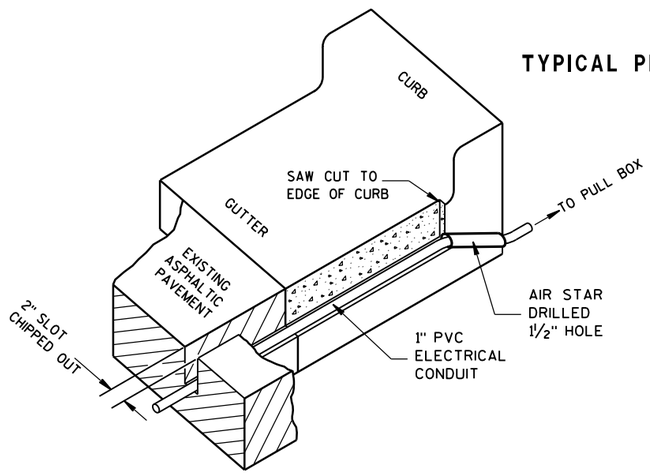
** AFTER THE HIGH PERFORMANCE COLD PATCH HAS BEEN TAMPED, SEAL THE SLOT/HIGH PERFORMANCE COLD PATCH/ PAVEMENT OPENING WITH HOT POURED ELASTIC TYPE MATERIAL CONFORMING TO THE REQUIREMENTS OF THE "SPECIFICATION FOR JOINT SEALANTS, HOT POURED, FOR CONCRETE AND ASPHALT PAVEMENTS, ASTM DESIGNATION: D3405".

IN THE EVENT HIGH PERFORMANCE COLD PATCH IS NOT AVAILABLE, AND FLEXIBLE TYPE EPOXY IS USED AS A LOOP SLOT FILLER, THE 2 INCH SLOT SHALL BE TOTALLY CLEAN AND DRY BEFORE ITS INSTALLATION. EPOXY USE SHALL BE APPROVED BY THE DISTRICT TRAFFIC ENGINEER AND THE FURNISHED EPOXY SHALL BE INSTALLED AFTER WRITTEN APPROVAL BY THE PROJECT ENGINEER.



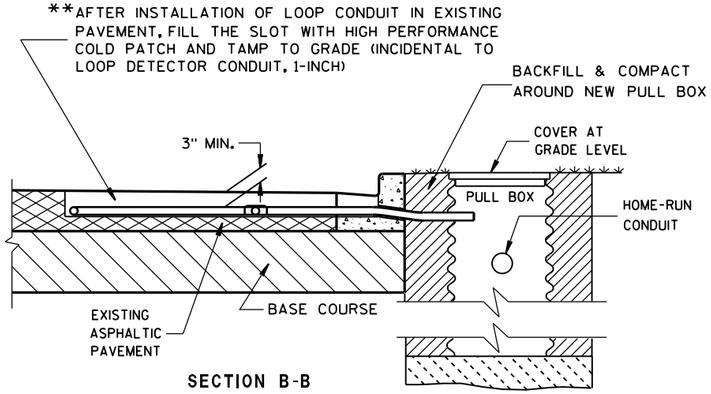
TOP VIEW

CORNER SAW SLOT DETAIL



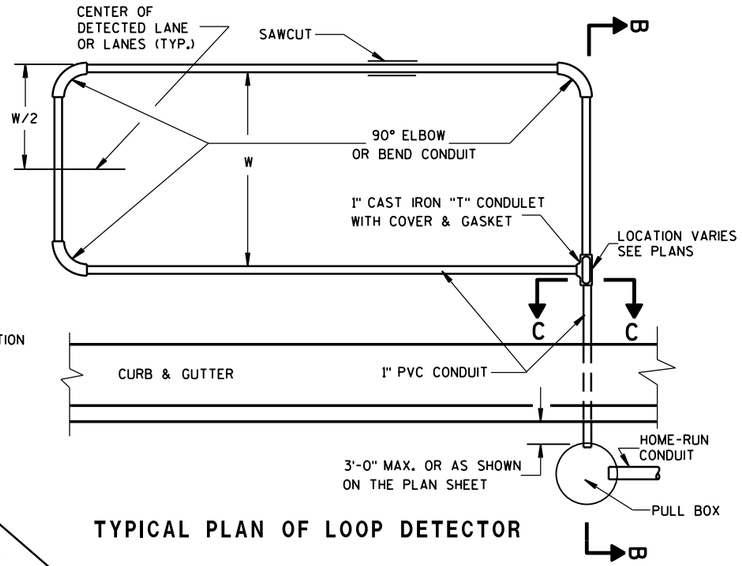
ISOMETRIC VIEW

TYPICAL SAW CUT DETAIL FOR LEAD-IN CONDUIT



SECTION B-B
CURB & GUTTER

LOOP DETECTOR INSTALLATION DETAIL



TYPICAL PLAN OF LOOP DETECTOR

LOOP DETECTOR INSTALLED IN EXISTING ASPHALTIC PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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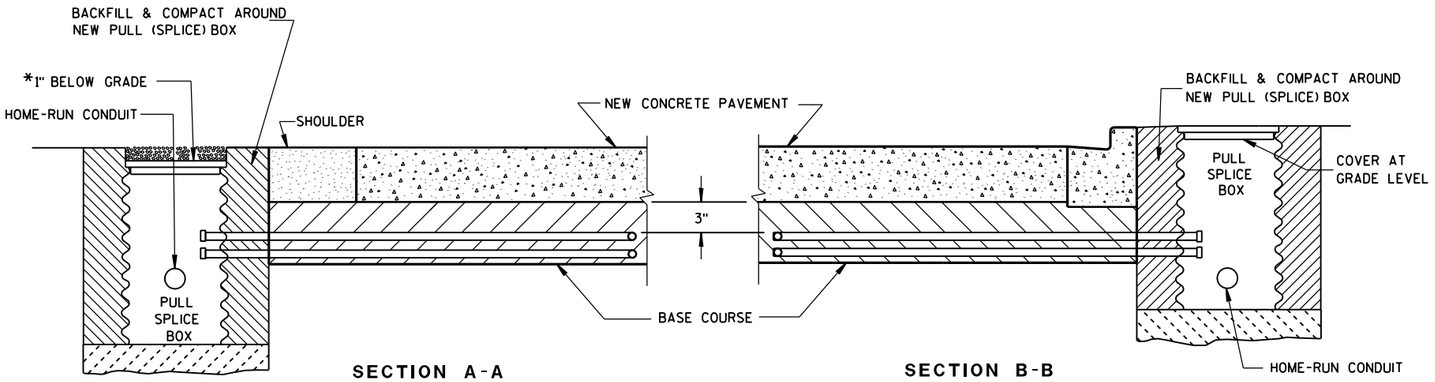


SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & 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.

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

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 READINGS 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.

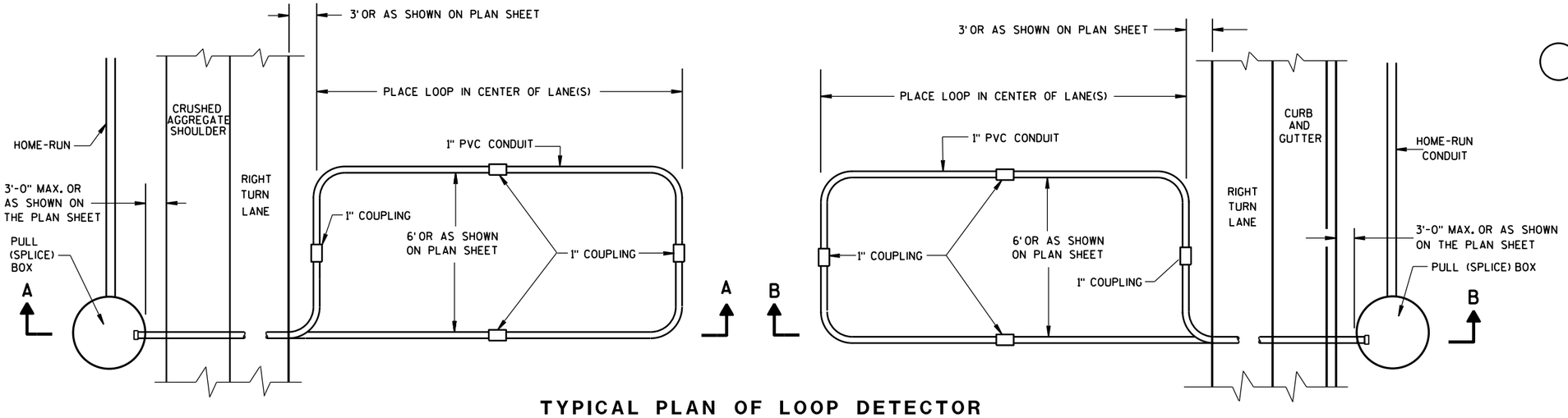
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

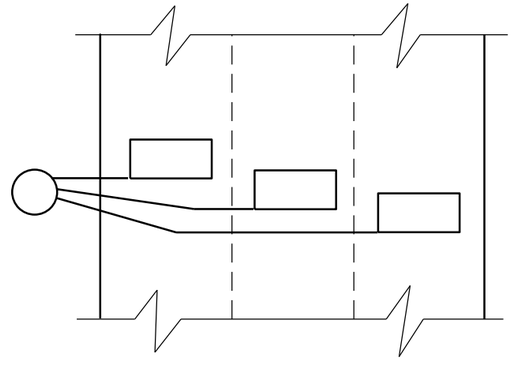
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE CONDUITS 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.



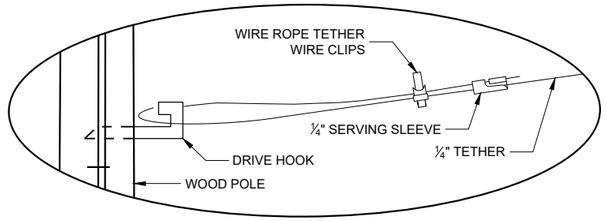
TYPICAL PLAN OF LOOP DETECTOR WITH 24" PULL (SPLICE) BOX



MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED Sept. 2014 — DATE /S/ Ahmet Demirbilek — STATE ELECTRICAL FHWA

MINIMUM POLE LENGTHS	POLE BURIAL DEPTHS
25'	5'
30'	6'
35'	7'
40'	8'
45'	9'

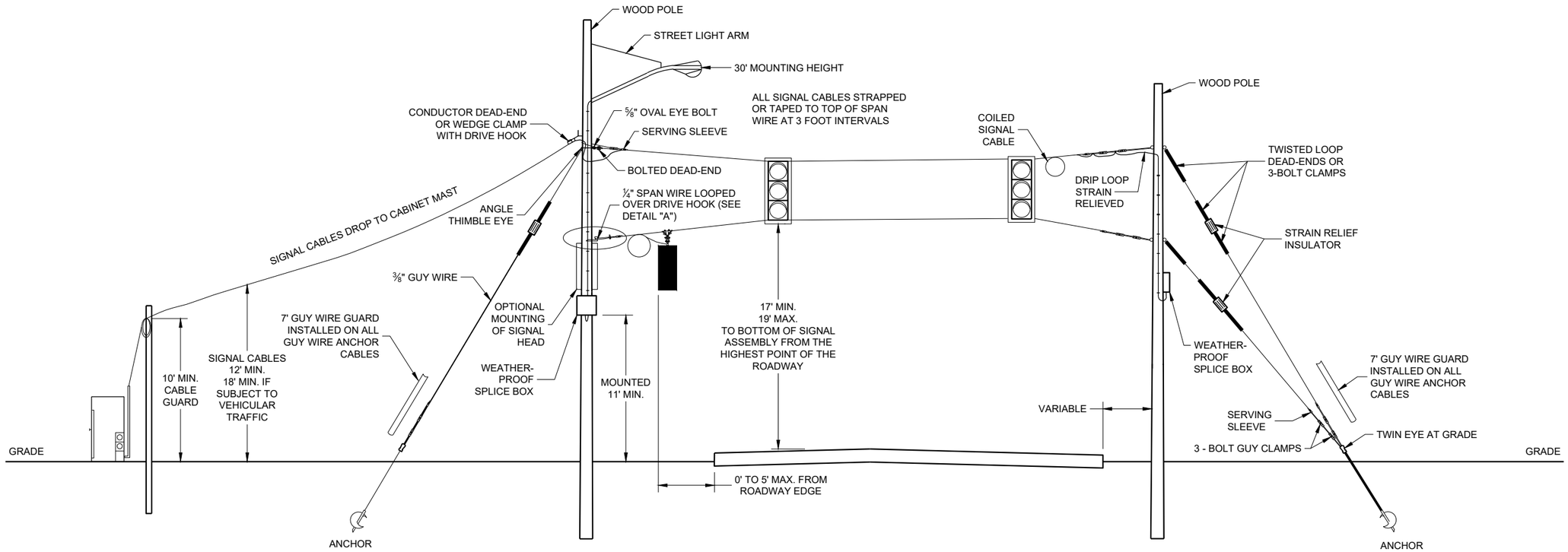


DETAIL "A"

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 427

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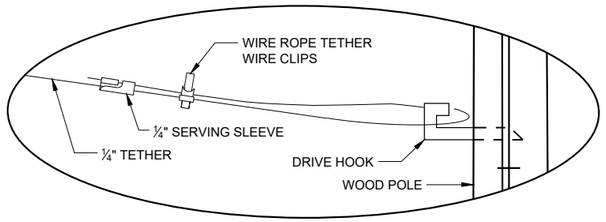
MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'



DETAIL "A"

GENERAL NOTES

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   - E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
3. SPAN WIRE:
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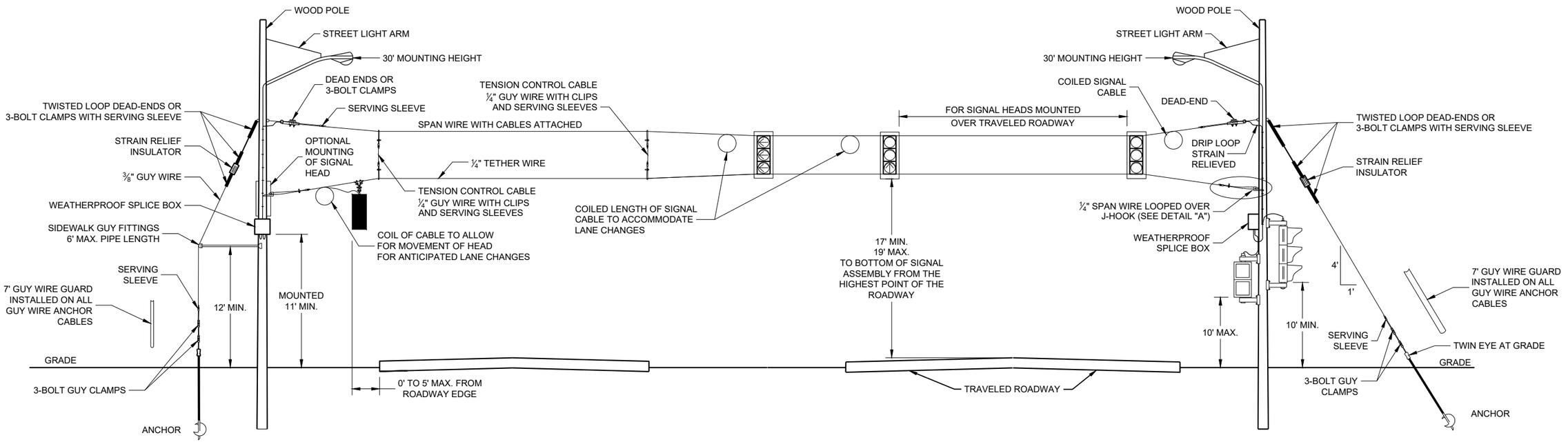

SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI
FHWA

SDD09G01 - 04b

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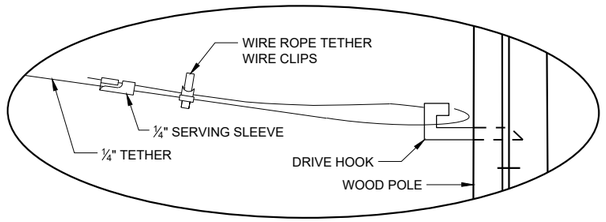
MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'



DETAIL "A"

GENERAL NOTES

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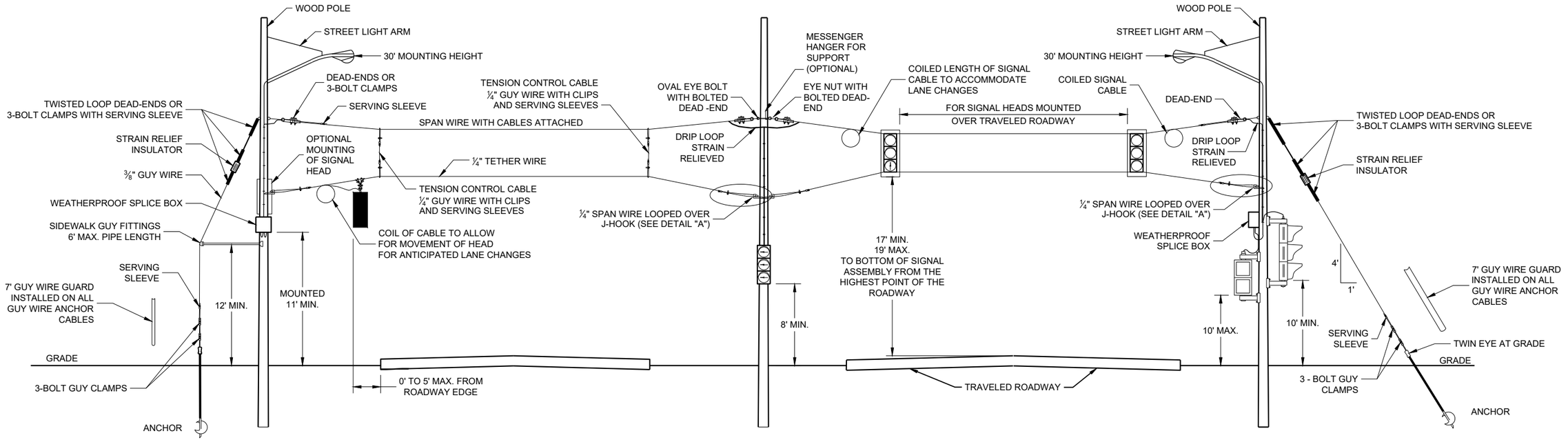

SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

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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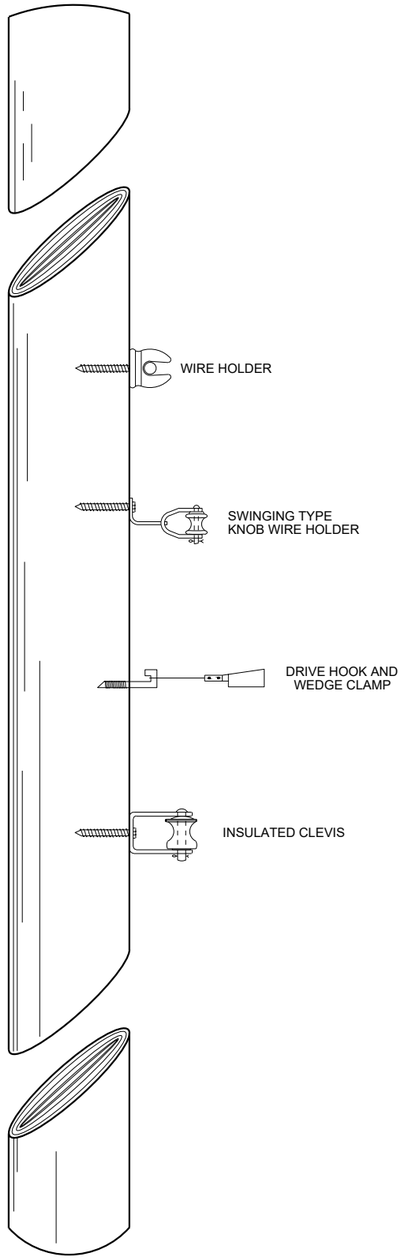

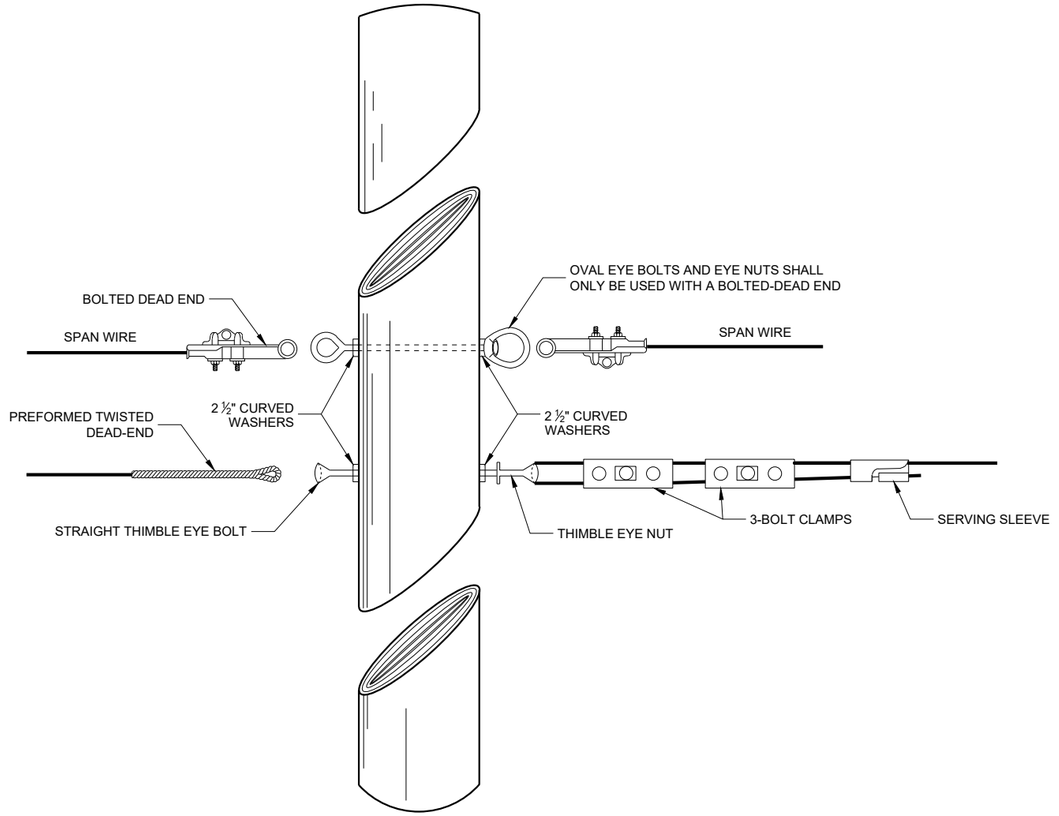

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SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

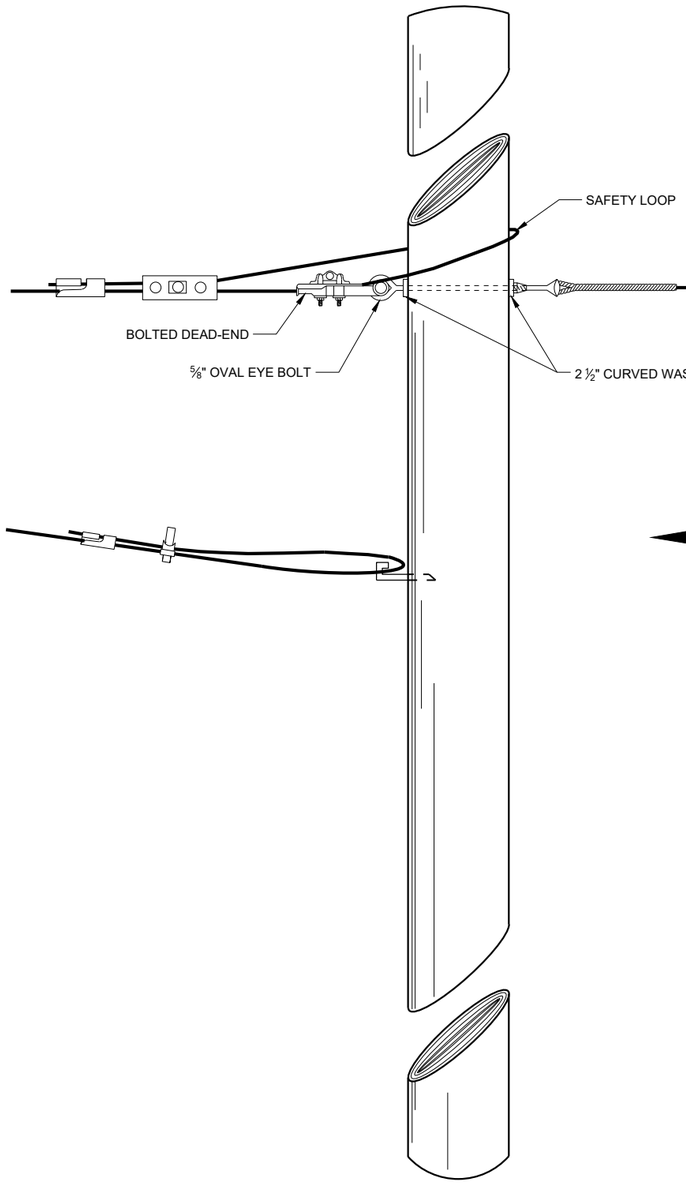
June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

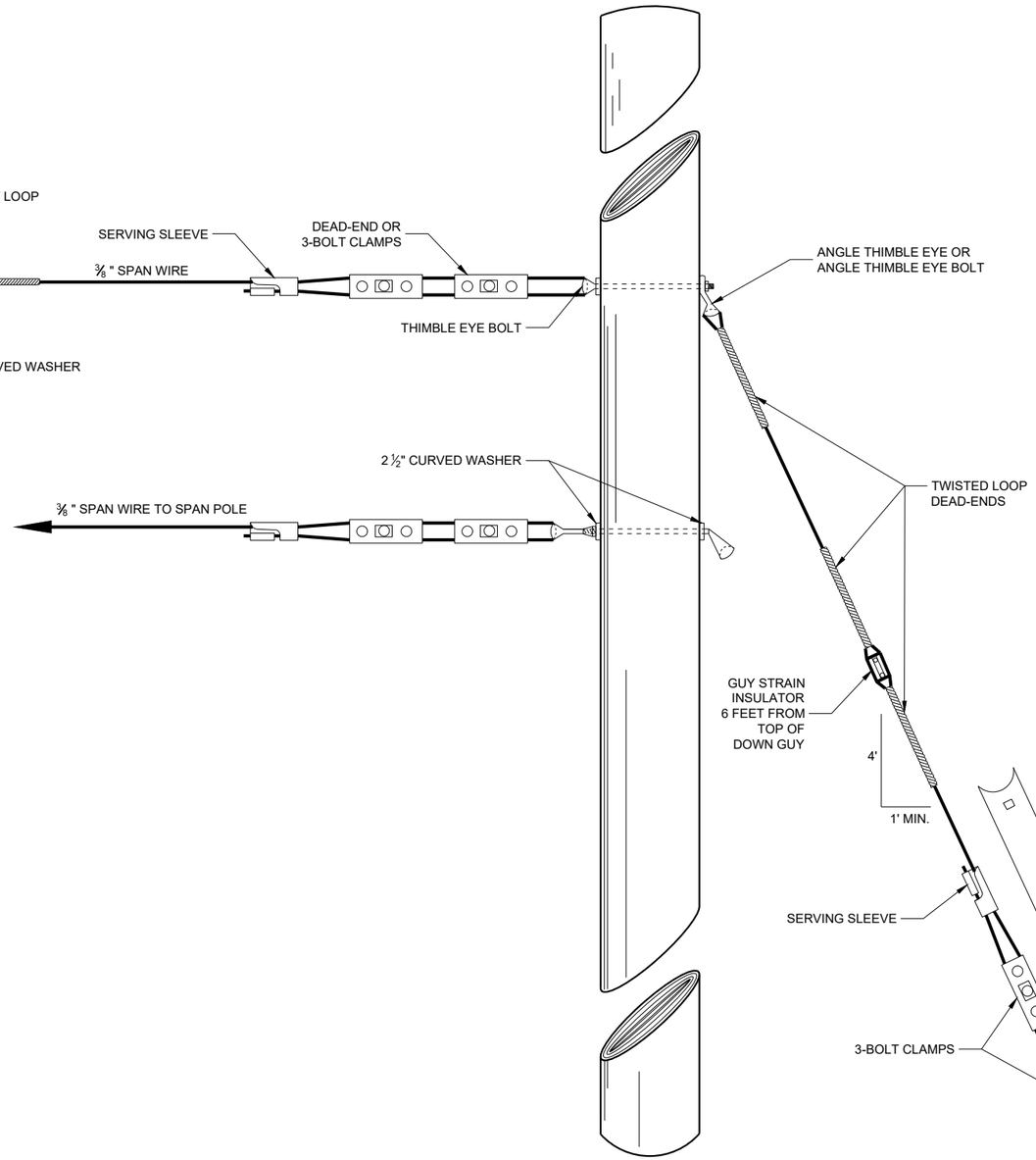
FHWA

GENERAL NOTES

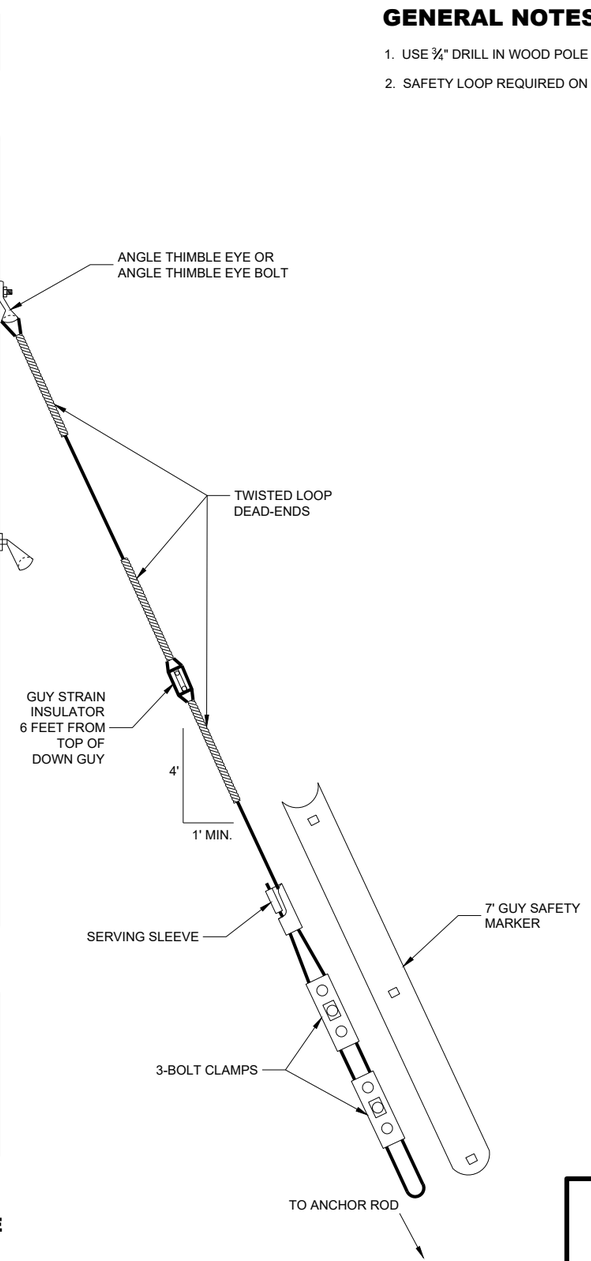
1. USE ¾" DRILL IN WOOD POLE TO PROVIDE FOR ⅝" BOLTS.
2. SAFETY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE



GUY POLE



TYPICAL DEAD-ENDINGS OR GUYING

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

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ROADWAY STANDARDS DEVE ENGINEER

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SDD 09G01 - 4e

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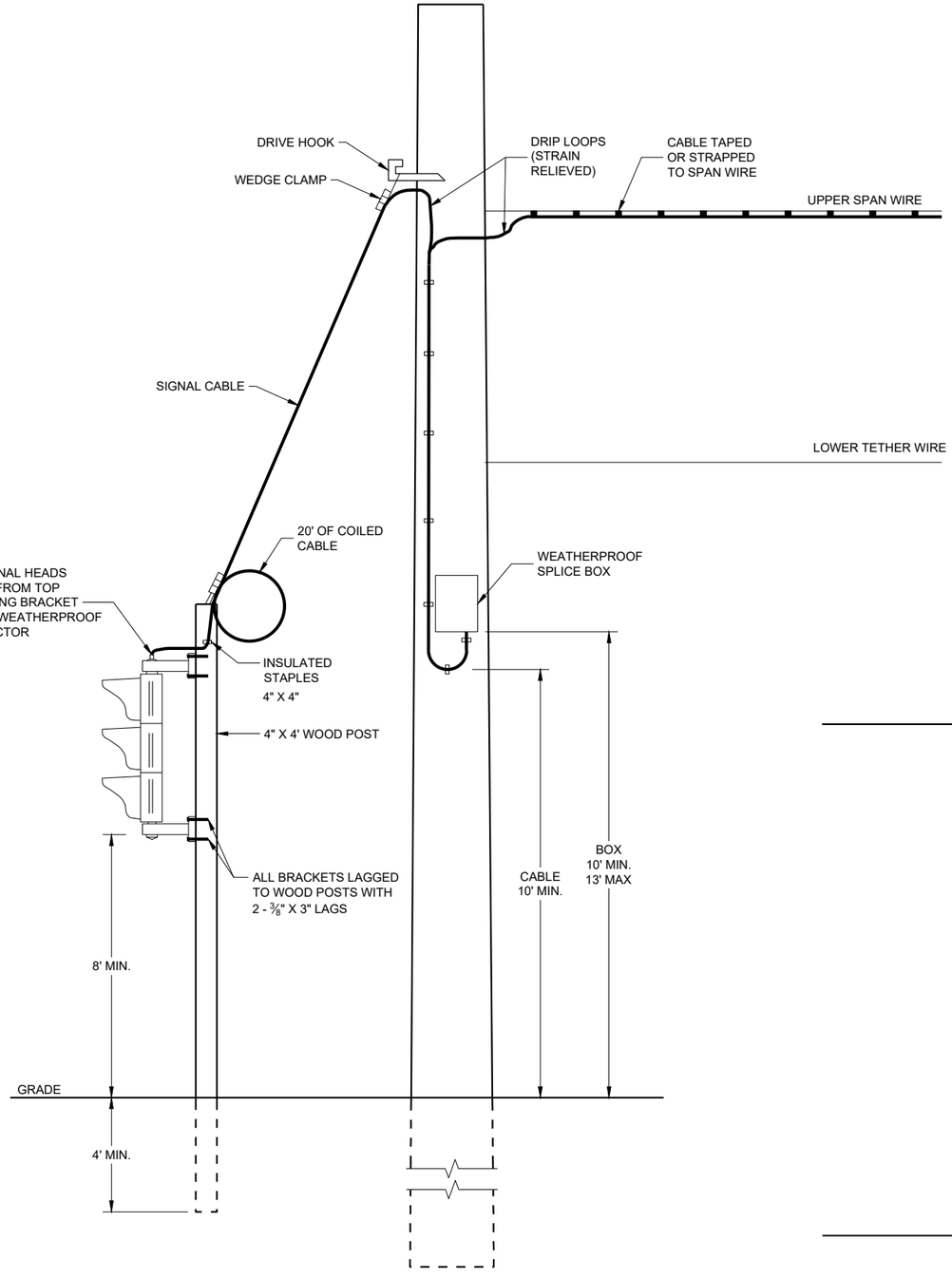
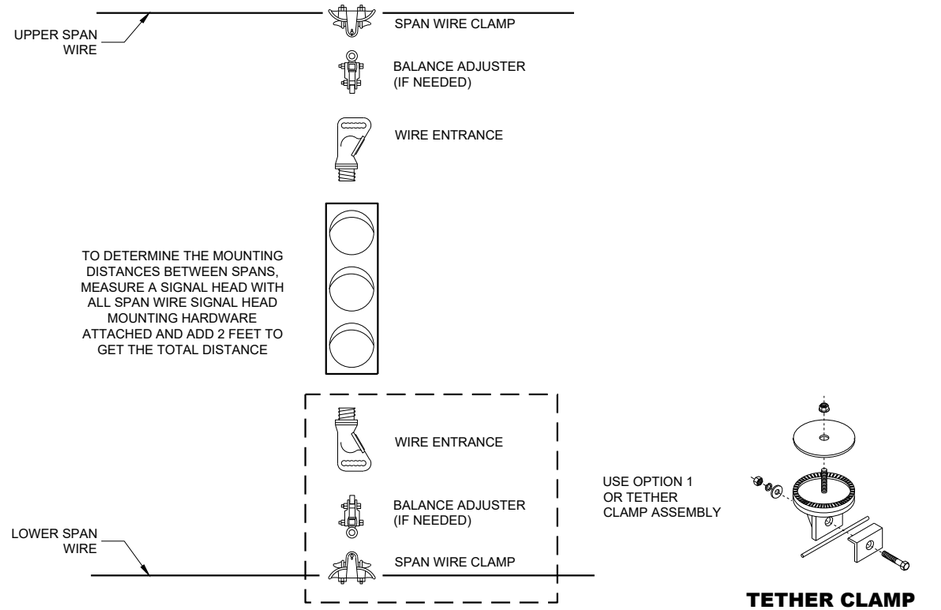


TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL

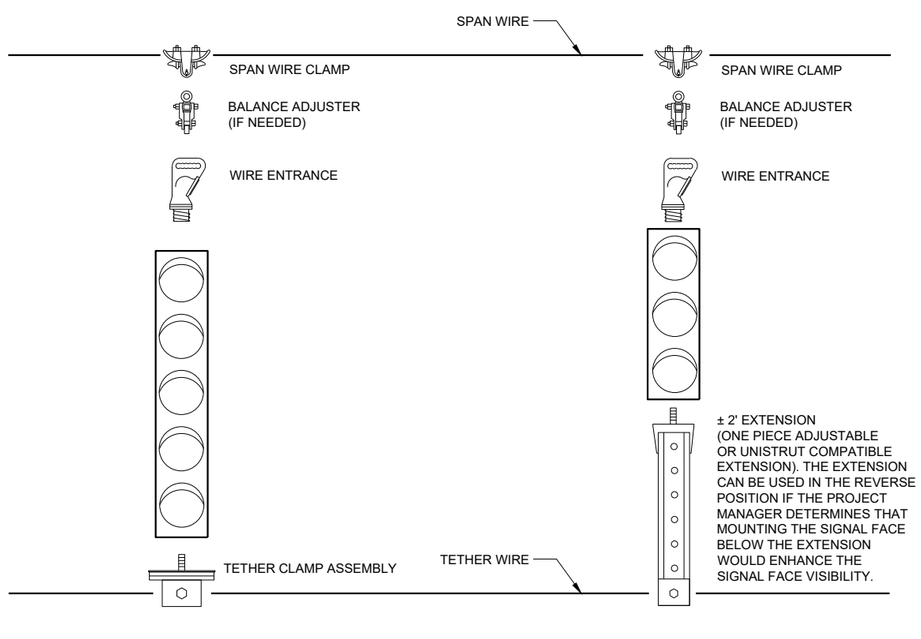


OPTION 1

USE OPTION 1 OR TETHER CLAMP ASSEMBLY

TETHER CLAMP ASSEMBLY OPTION

TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

FHWA

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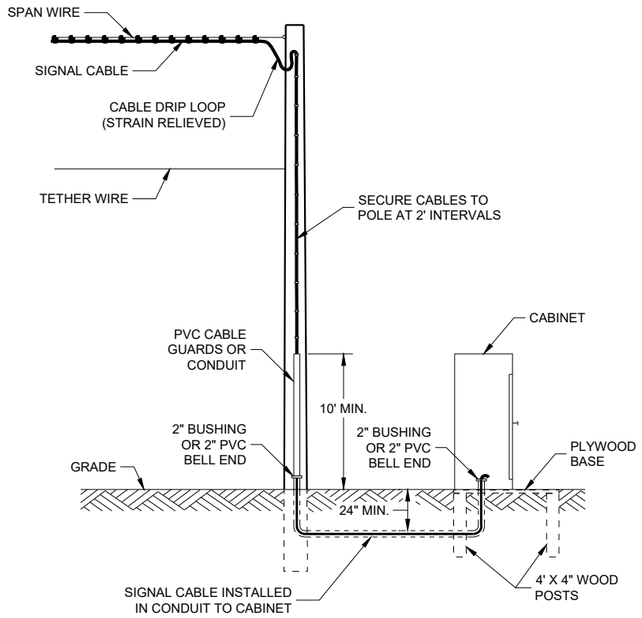
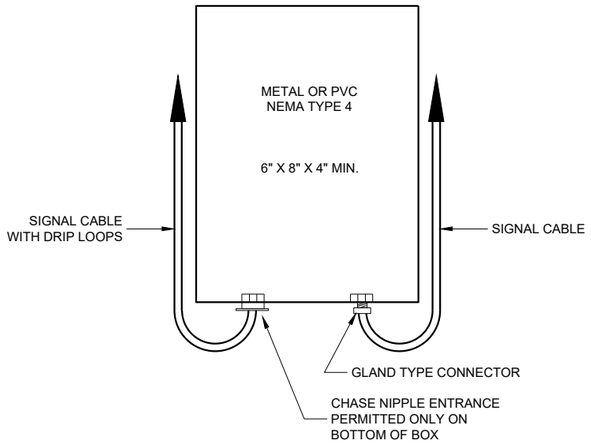
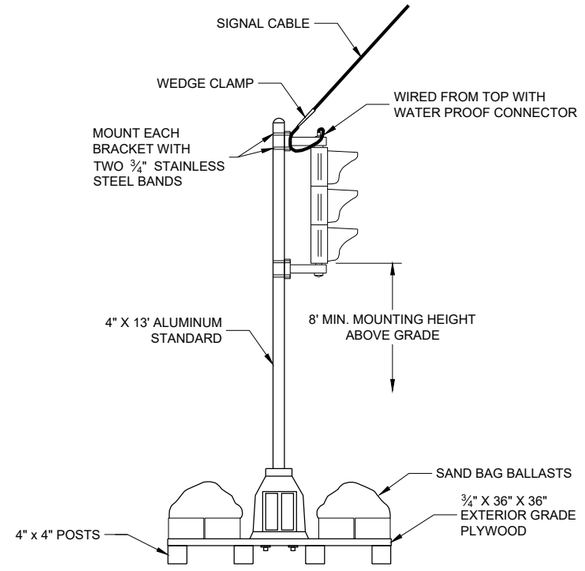
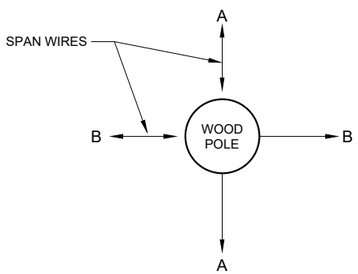




SPLICE BOX

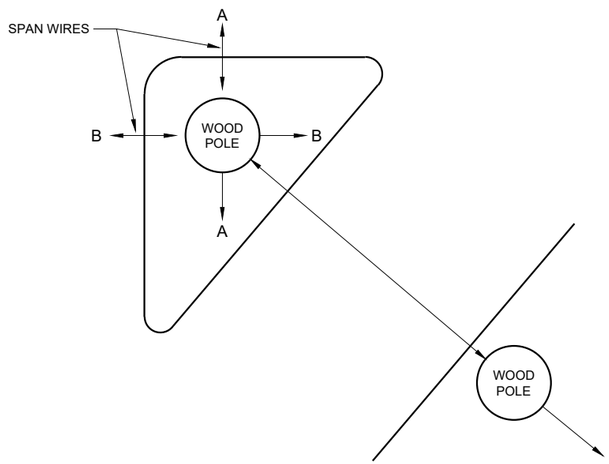


TYPICAL SKID TYPE TEMPORARY

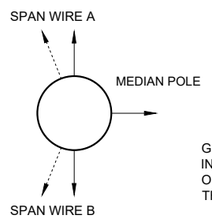


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



GUY AWAY FROM
INTERSECTION OR IN
OPPOSITE DIRECTION OF
THE SPAN LOADING

MEDIAN POLES

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

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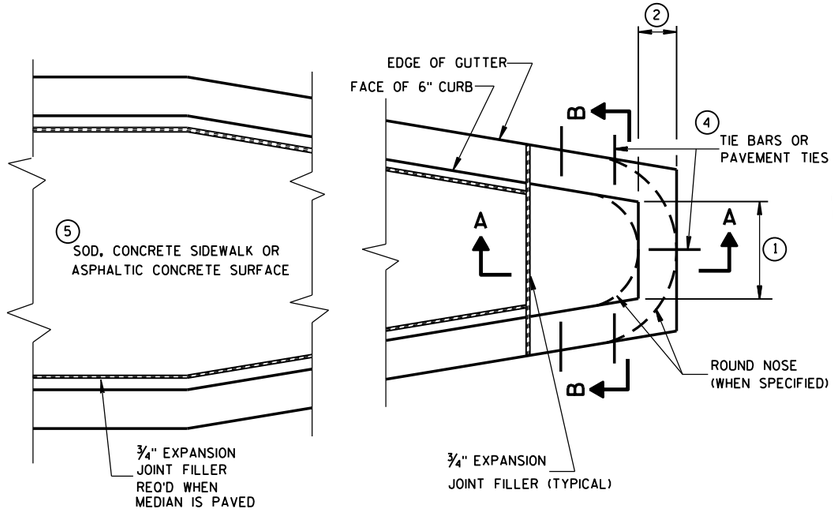
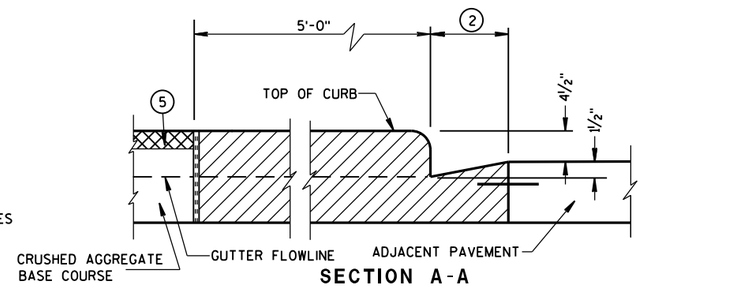
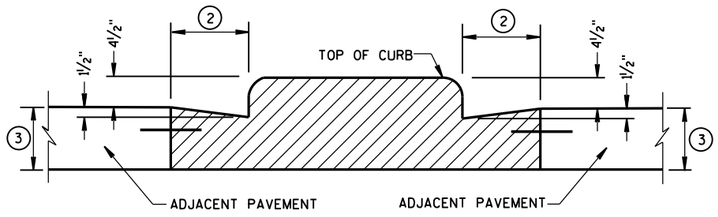






CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

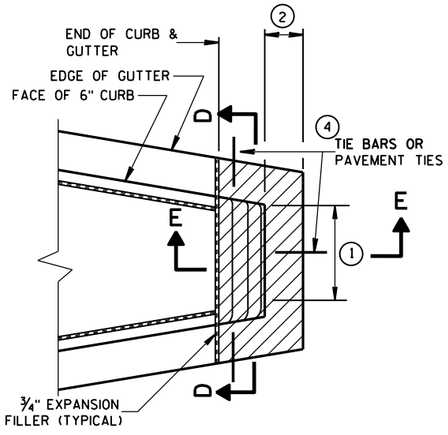
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

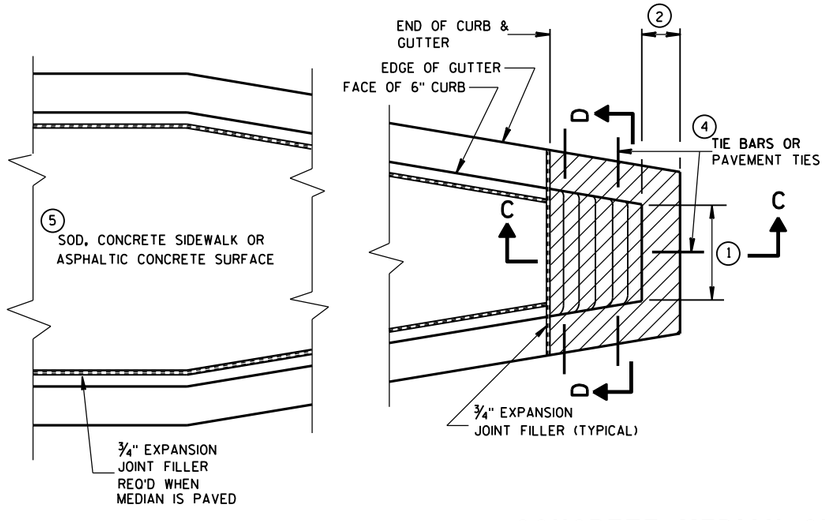
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

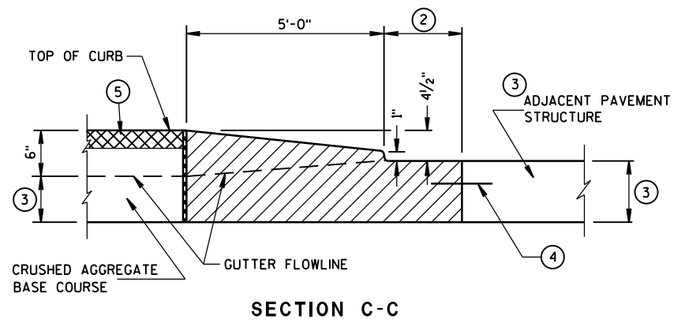
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

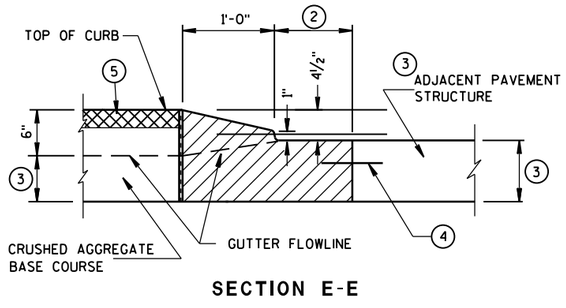
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.







CONCRETE MEDIAN SLOPED NOSE TYPE 1



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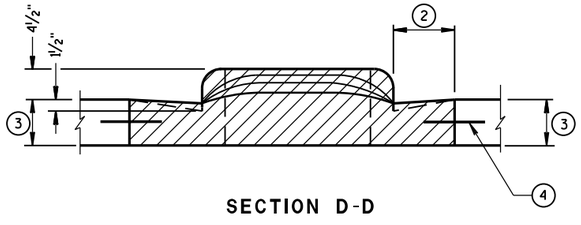

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS D ENGINEER
FHWA

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S.D.D. 11 B 2-2

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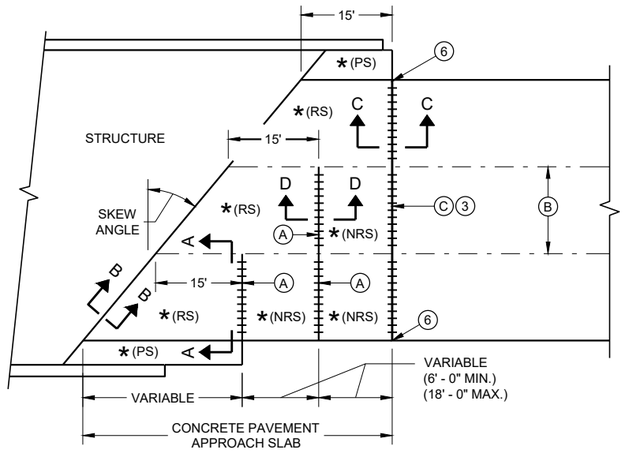


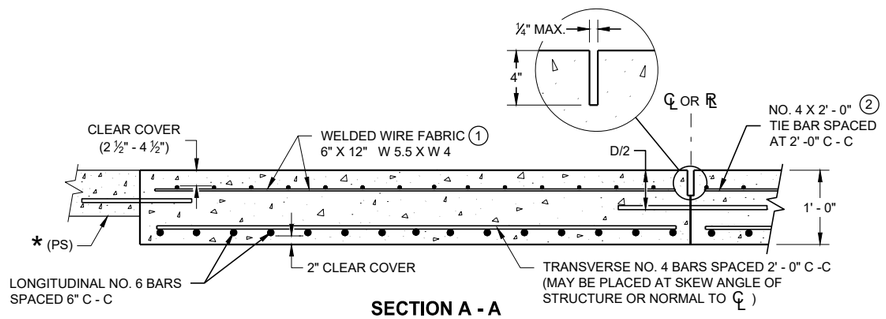
SKEWED APPROACH
(PAVEMENT MORE THAN TWO LANES)

* (RS) = REINFORCED CONCRETE SLAB

* (PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB

* (NRS) - NON - REINFORCED CONCRETE SLAB

*** STANDARD DOWEL BAR DIAMETER (SEE SDD 13C11 AND SDD 13C13)



SECTION A - A
REINFORCEMENT POSITIONING DETAIL

GENERAL NOTES

THE CONTRACTOR MAY SPLICE NO. 6 BARS IN THE APPROACH SLAB FOR SKEWED STRUCTURES ONLY. STAGGER SPLICES WITH A MAXIMUM OF ONE SPLICE PER BAR. THE LENGTH OF LAP IS 20 INCHES.

TACK WELD DOWEL BARS TO THE BASKETS ON ALTERNATE ENDS.

(1) THE CONTRACTOR MAY USE NO. 4 BARS SPACED AT 2' - 0 " C - C IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS FOR TOP REINFORCEMENT AS AN ALTERNATIVE TO THE WELDED WIRE FABRIC.

(2) THE CONTRACTOR MAY OMIT THE BARS BETWEEN REINFORCED SLABS WHERE SLAB REINFORCEMENT BARS EXTEND ACROSS THE CENTERLINE OR REFERENCE LINE.

(3) DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

(4) USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.

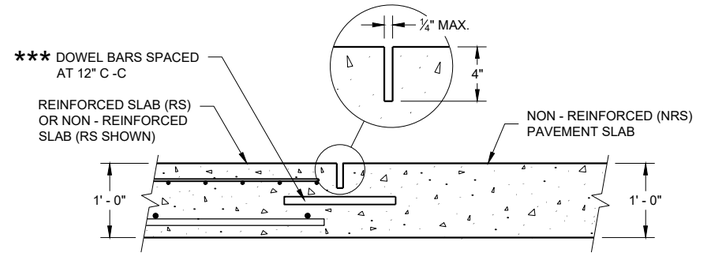
(5) PLACE EXPANSION CAP ON THE END OF THE DOWEL THAT IS NOT TACK WELDED TO THE BASKET. DO NOT FORCE DOWEL BAR PAST THE DOWEL STOP.

(6) EXTEND EXPANSION JOINT THROUGH ANY ADJACENT TIED CONCRETE.

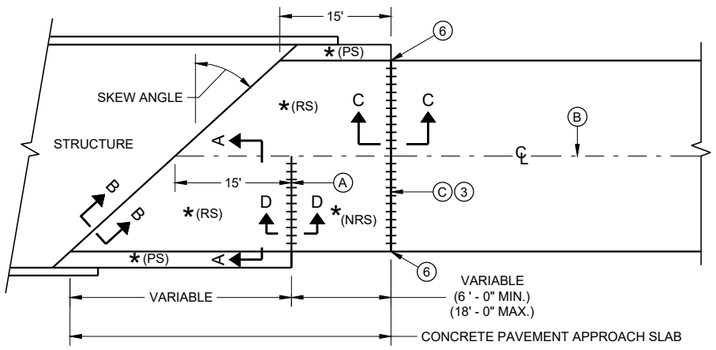
(A) STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℞.

(B) STANDARD LONGITUDINAL JOINT WITH TIE BARS.

(C) 1 ½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℞ .

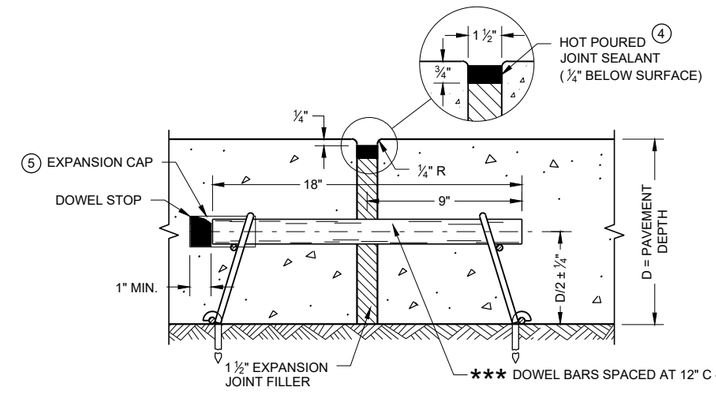


SECTION D - D
CONTRACTION JOINT

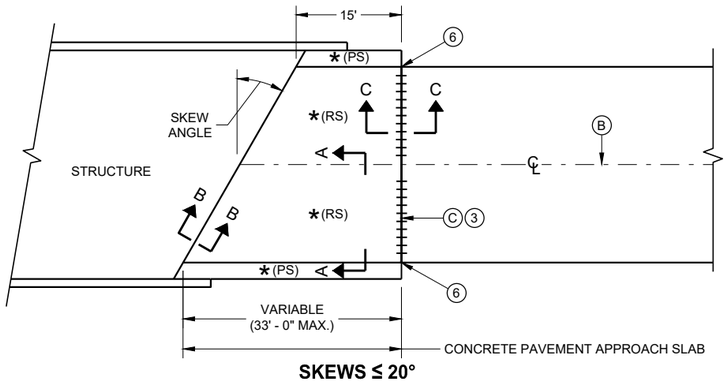


SKEWS > 20°
(PAVEMENT WIDTH ≤ 30')

SECTION B - B
BEND DETAIL
BOTTOM REINFORCEMENT

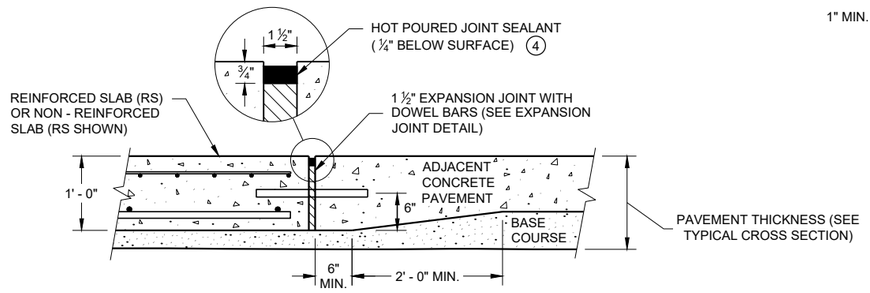


EXPANSION JOINT DETAIL



SKEWS ≤ 20°
(PAVEMENT WIDTH ≤ 30')

APPROACH SLAB AND ADJACENT PAVEMENT



SECTION C - C
TRANSITION DETAIL
APPROACH SLAB TO ADJACENT PAVEMENT

CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISO

FHWA

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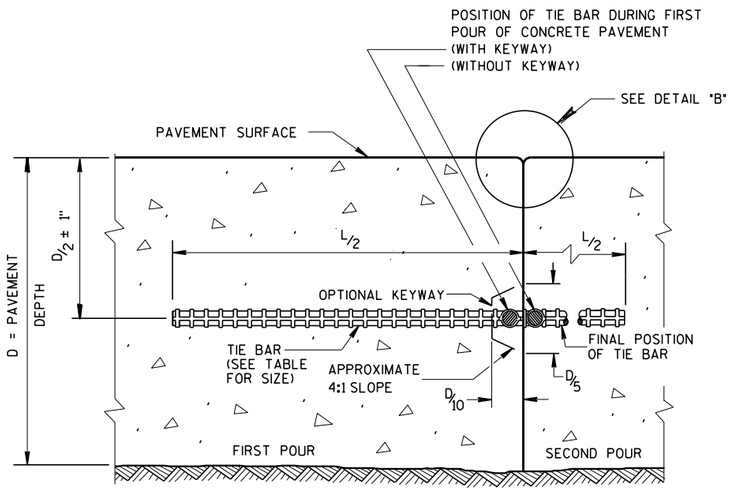
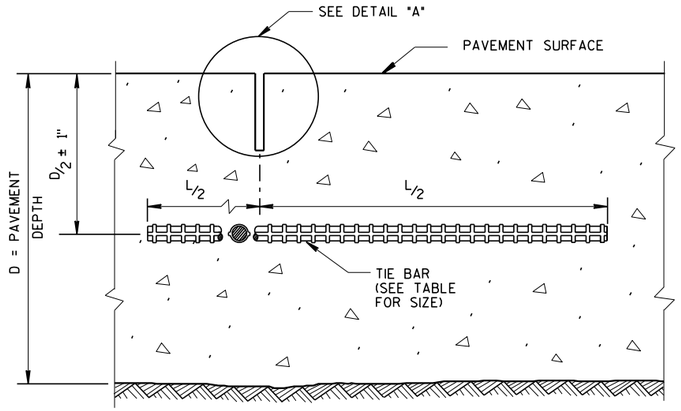
SDD 13B02 - 09a



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 Kerr, P.E.
PAVEMENT SUPE
FHWA

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S.D.D. 13 C 1-19

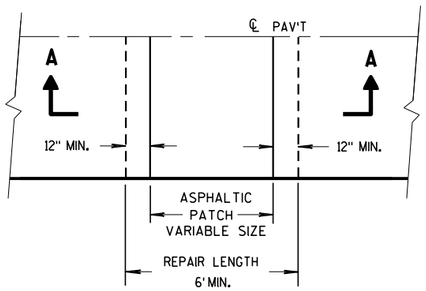
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

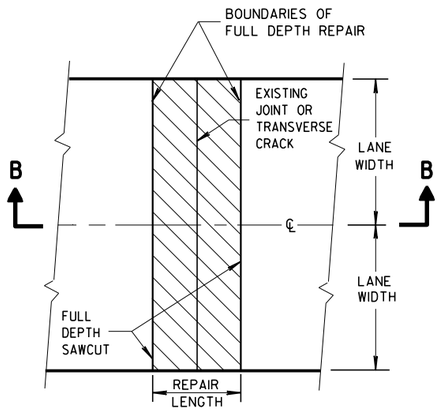
PROVIDE A 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK IN THE SAME LANE.

THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NONDOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

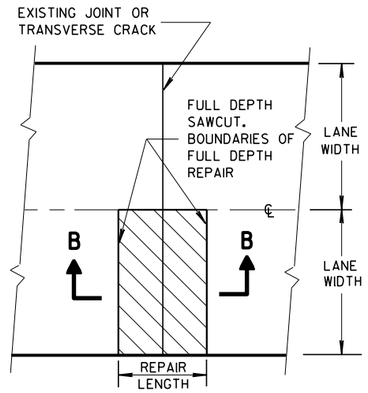
(1) DOWEL BARS MIGHT NOT EXIST.



PLAN VIEW

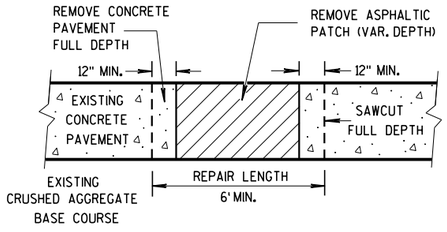


PLAN VIEW
(DOUBLE LANE REPAIR)



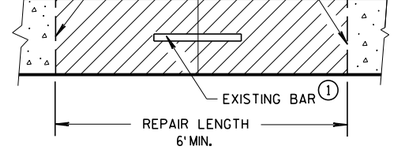
PLAN VIEW
(SINGLE LANE REPAIR)

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION A-A

HMA PATCH REMOVAL



SECTION B-B

CONCRETE REMOVAL

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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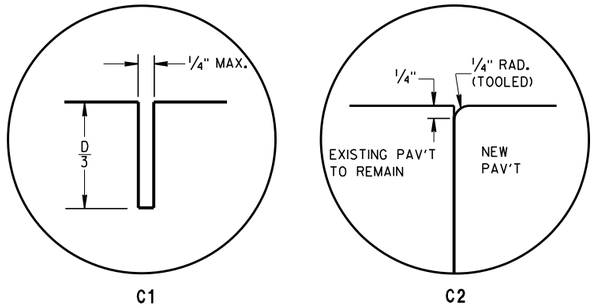
S.D.D. 13 C 9-15a



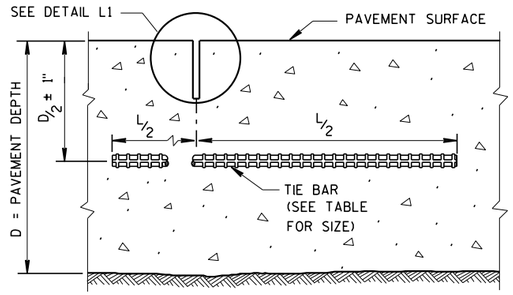
TRANSVERSE JOINTS

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.



SECTION C-C

SAWED LONGITUDINAL JOINT

GENERAL NOTES

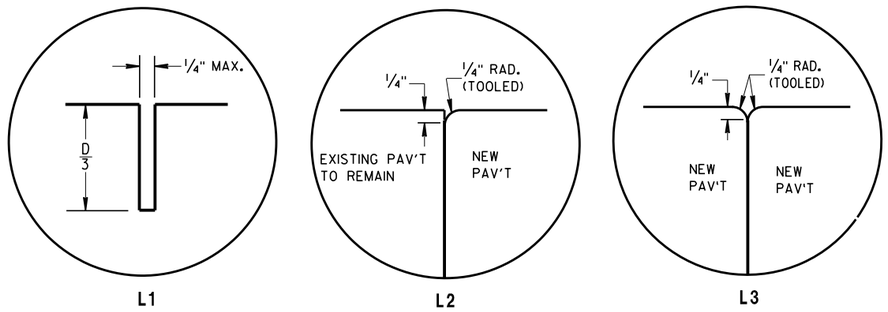
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE PAVEMENT REPAIRS OF EXISTING NONDOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

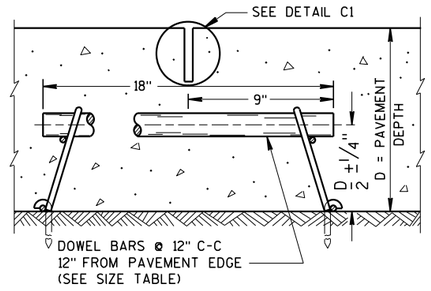
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

FOR MULTI-LANE CONCRETE PAVEMENT REPLACEMENTS, PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

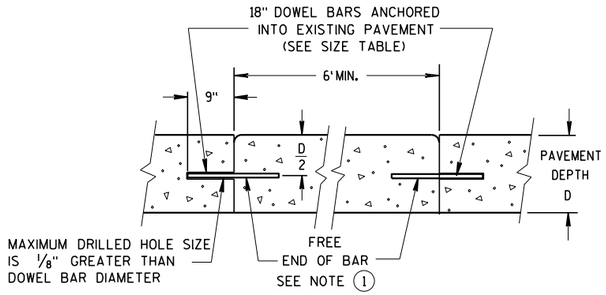


LONGITUDINAL JOINTS

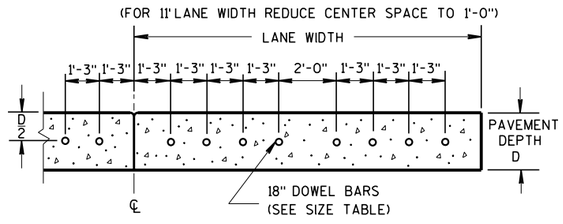


SECTION F-F

CONTRACTION JOINT



SECTION D-D

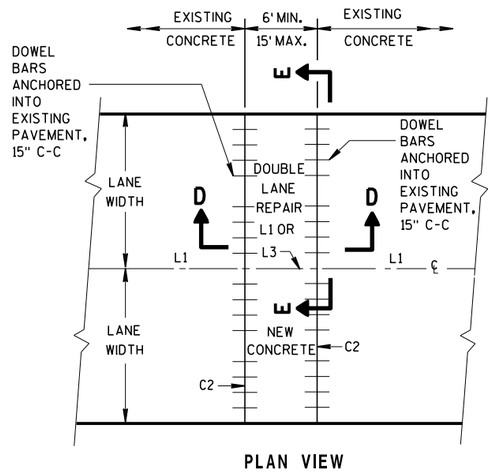


SECTION E-E

DRILLED DOWEL BAR CONSTRUCTION JOINT

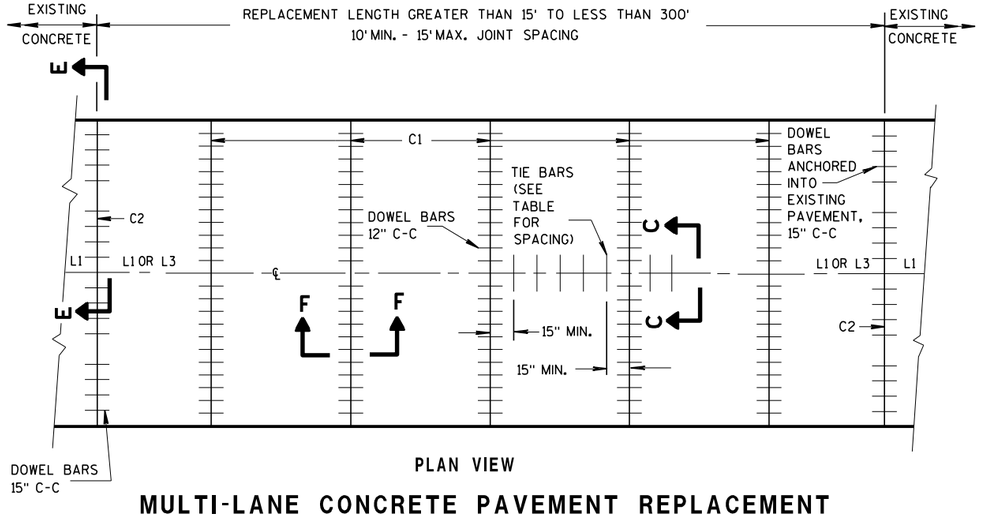
PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	DRILLED DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 1/2", 6", 6 1/2"	NONE	NONE	12'
7", 7 1/2"	1"	1"	14'
8", 8 1/2"	1 1/4"	1 1/4"	15'
9", 9 1/2"	1 1/4"	1 1/4"	15'
10" & ABOVE	1 1/2"	1 1/4"	15'



PLAN VIEW

MULTI-LANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

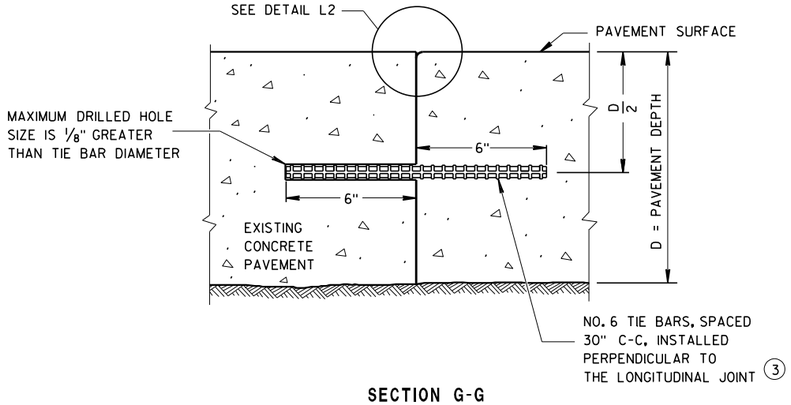
MULTI-LANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 13 C 9-15b



SECTION G-G

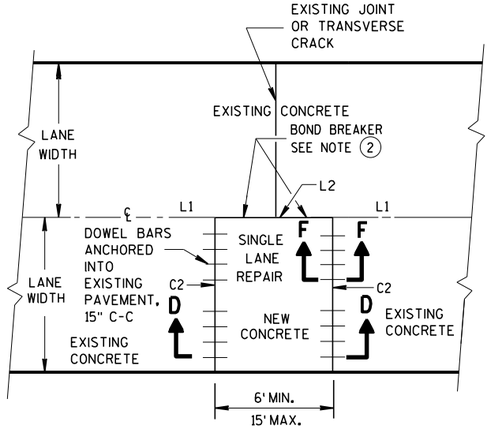
TIE BARS ANCHORED INTO EXISTING PAVEMENT

GENERAL NOTES

(1) WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.

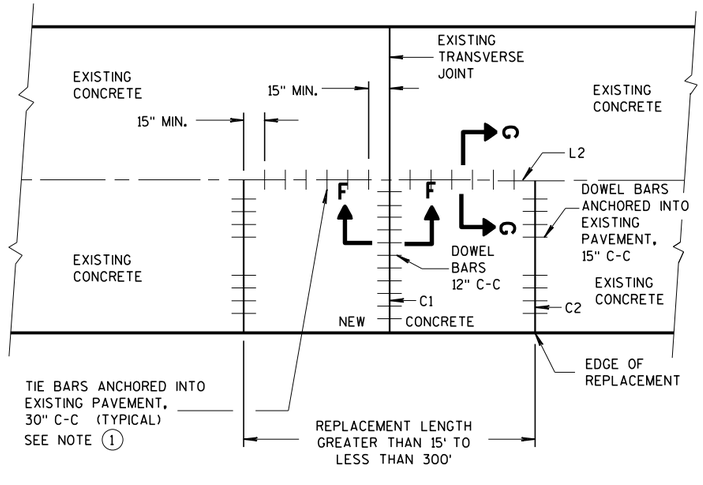
(2) USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.

(3) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

March 2018 — DATE

/S/ Peter Ken... — PAVEMENT SUPE...

FHWA

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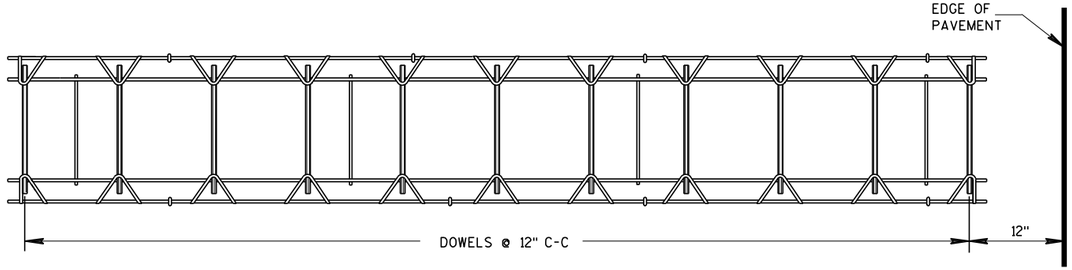
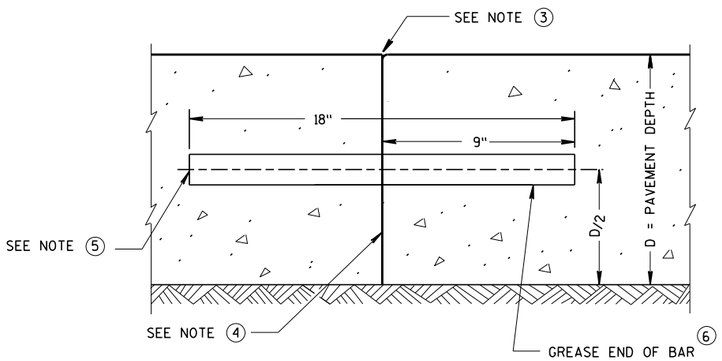
S.D.D. 13 C 9-15c



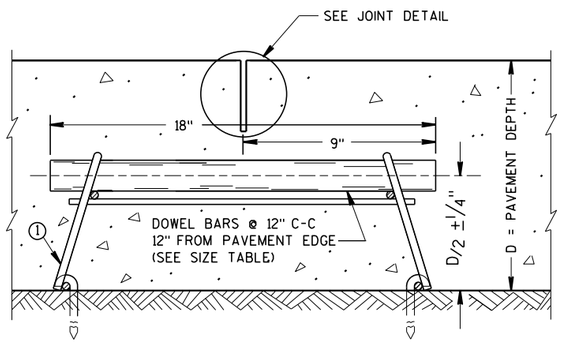
PLAN VIEW

SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY ①



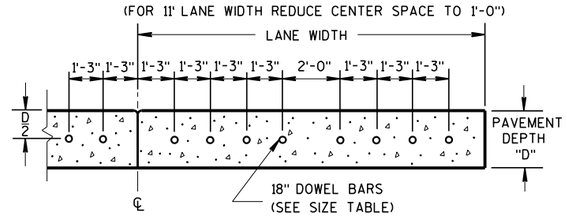
TRANSVERSE CONSTRUCTION JOINT



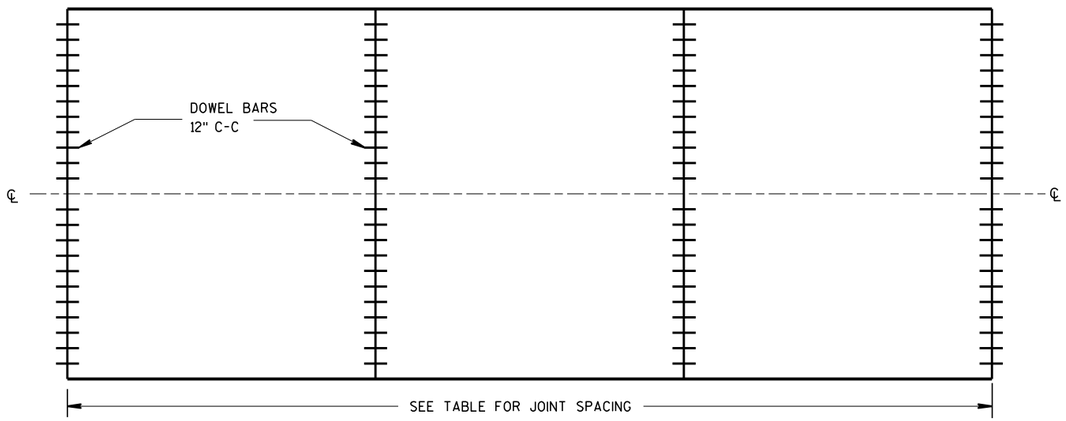
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'



DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦



CONTRACTION JOINT LOCATIONS

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 AND A MAXIMUM OF 18 INCHES FROM THE LONGITUDINAL JOINT AND THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO 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 CONSTRUCTING 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.

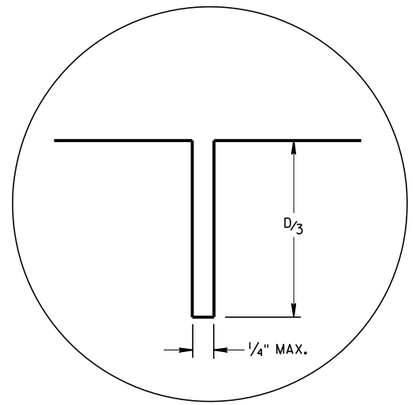
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼-INCH RADIUS AT FORMED JOINTS.

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 *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 INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



JOINT DETAIL

URBAN DOWELED CONCRETE PAVEMENT

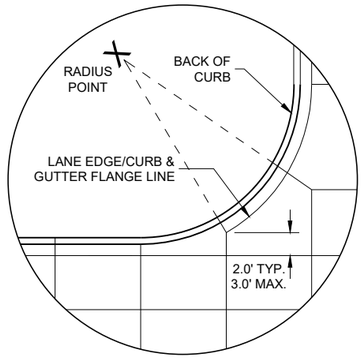
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

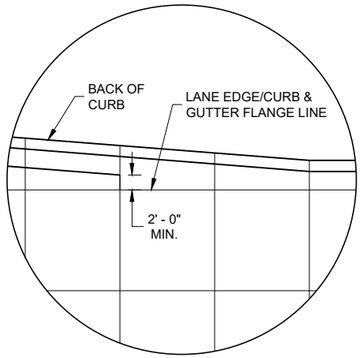
/S/ Peter Kemp P.E.
PAVEMENT SUP

FHWA

6
S.D.D. 13 C 13-9



DETAIL "A"



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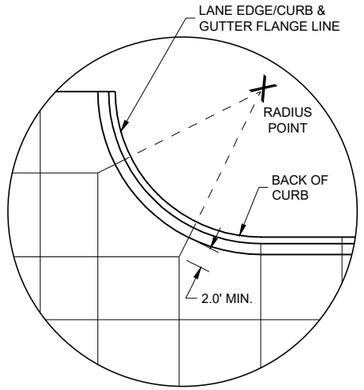

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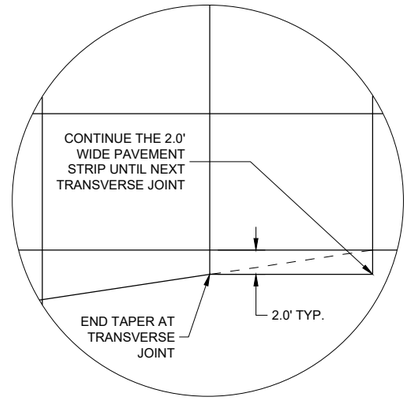


DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

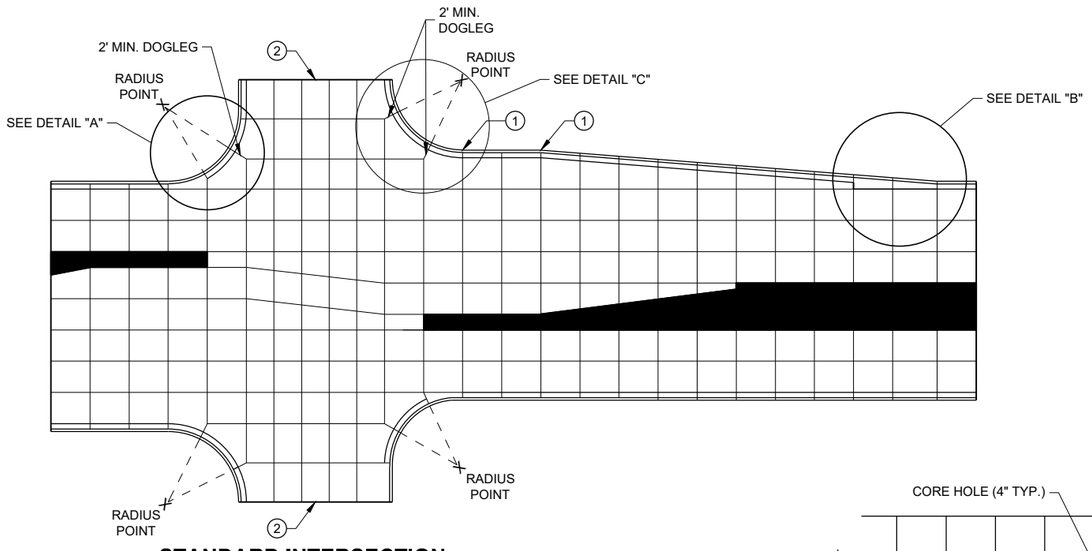
AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.

(2) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITHEDGE OF RADIUS.

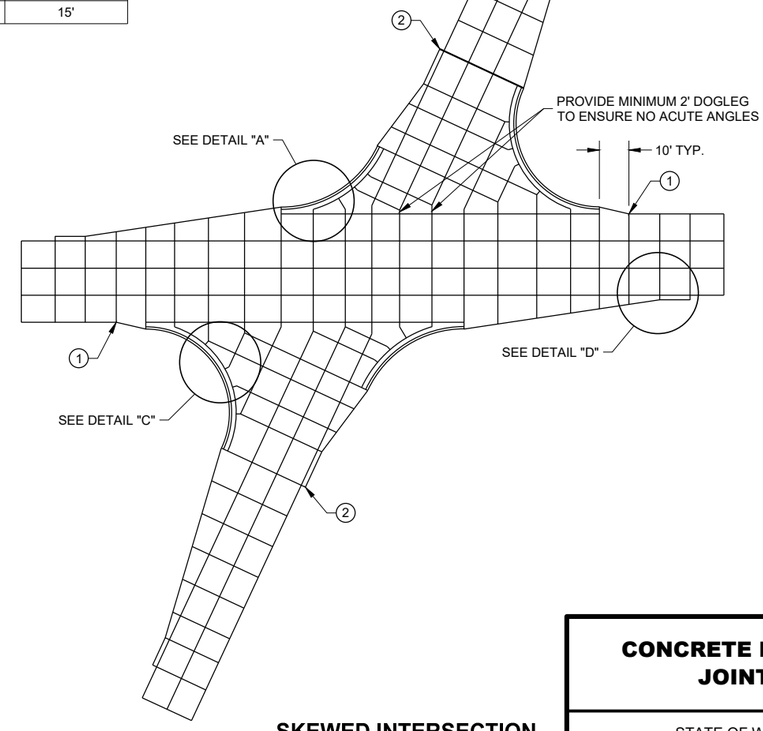
(3) THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



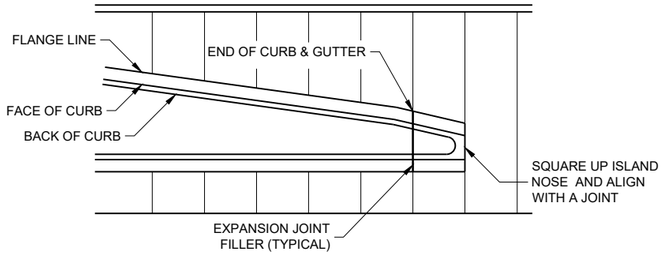
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

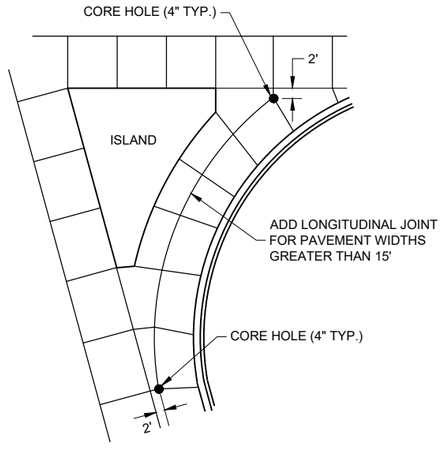
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 07a

6

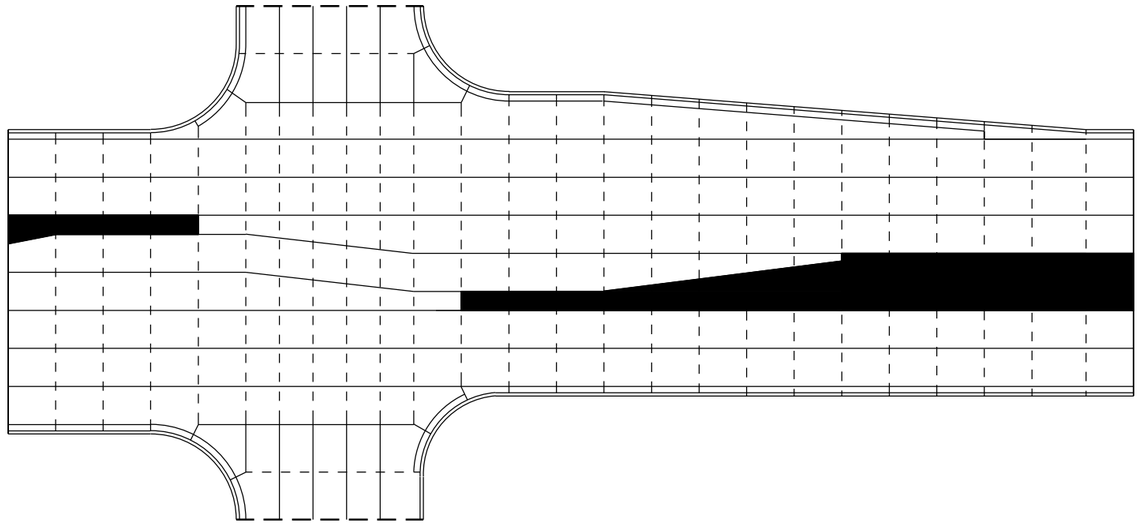
SDD 13C18 - 07a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

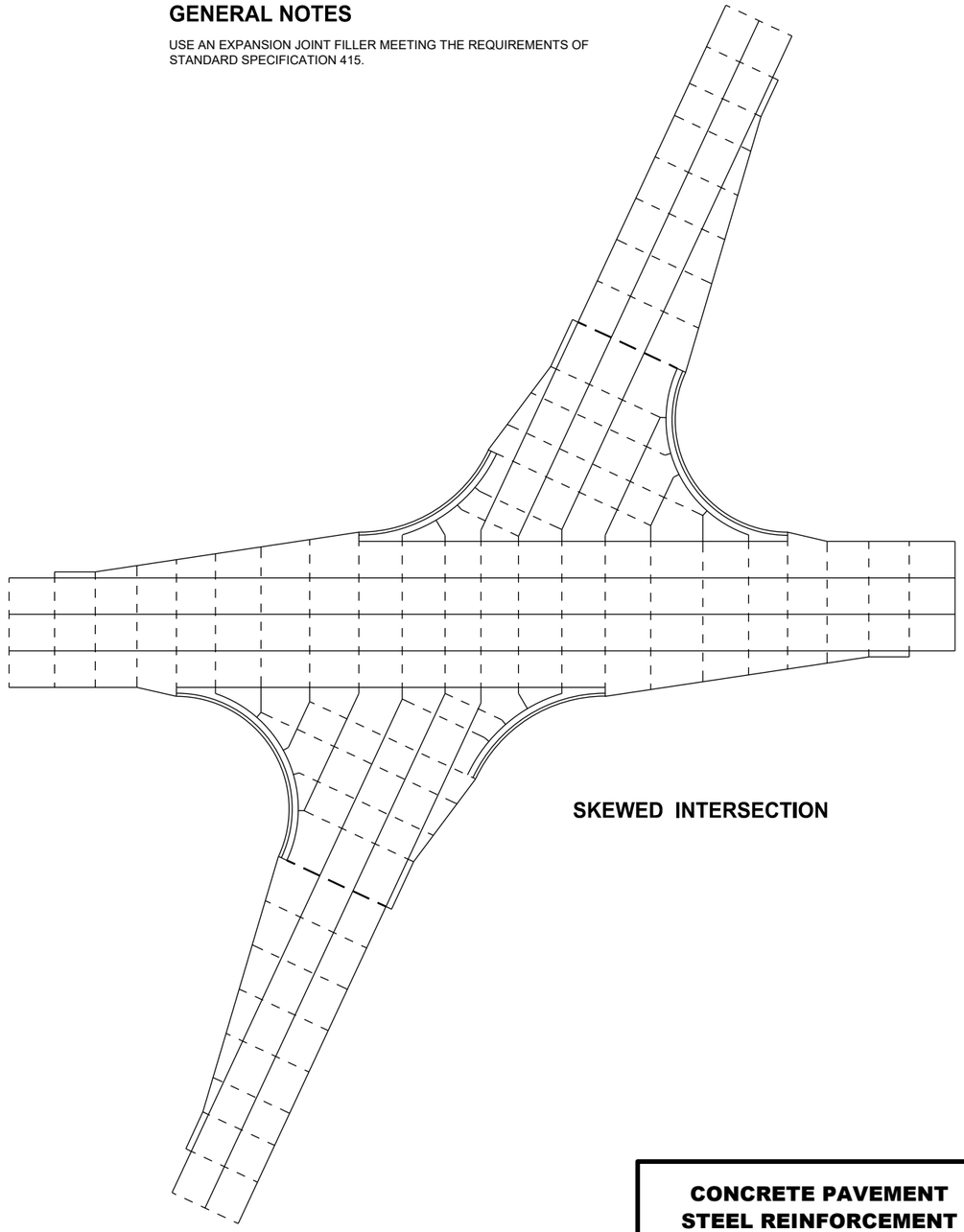
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

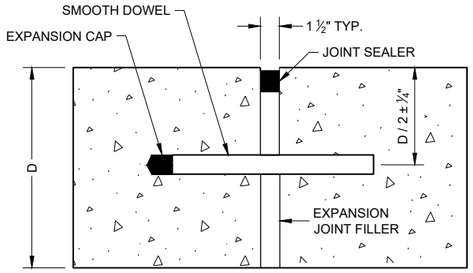
SDD 13C18 - 07b

CONCRETE PAVEMENT
STEEL REINFORCEMENT

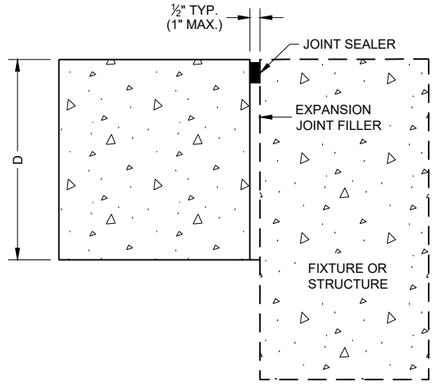
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 07b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

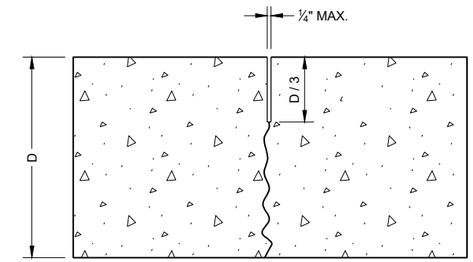
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

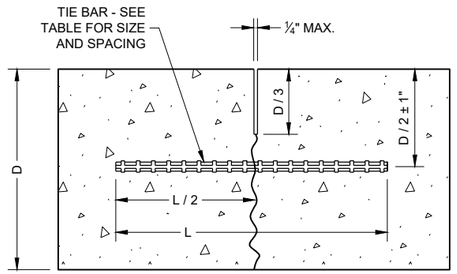
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

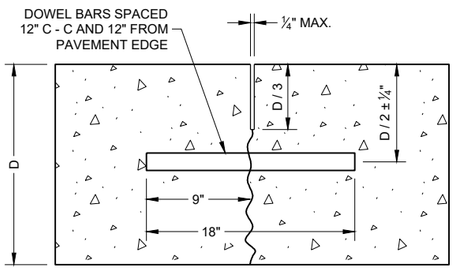
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

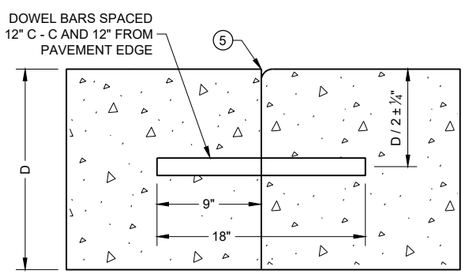


TIED LONGITUDINAL

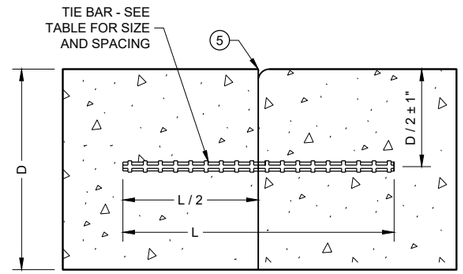


DOWELED TRANSVERSE

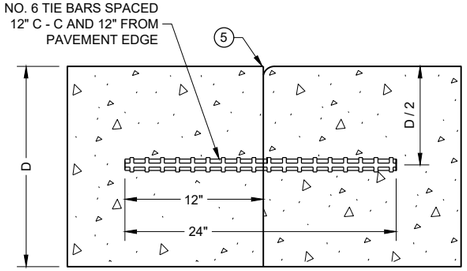
CONTRACTION JOINTS (2)



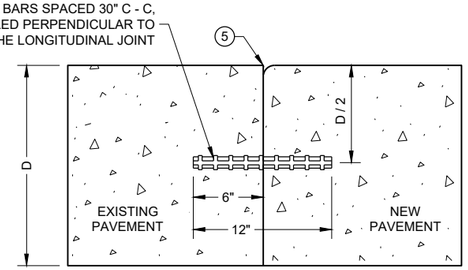
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

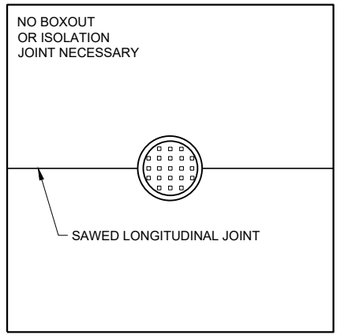
CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

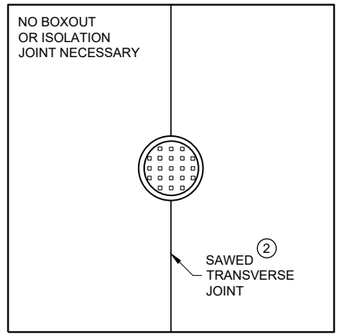
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

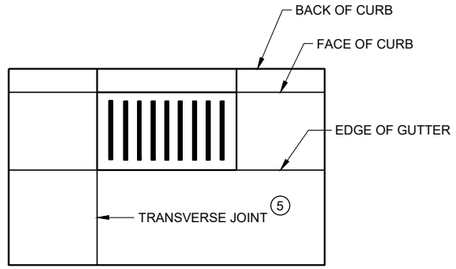
SDD 13C18 - 07c



MANHOLE WITH LONGITUDINAL JOINT



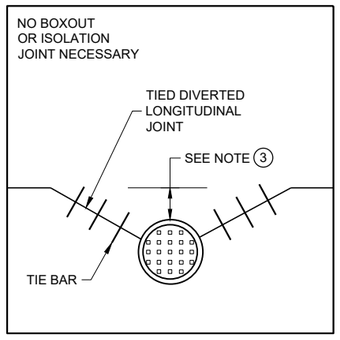
MANHOLE WITH TRANSVERSE JOINT



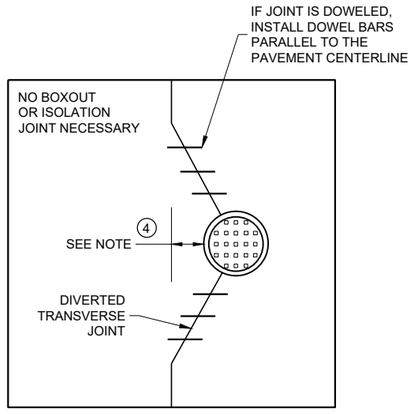
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

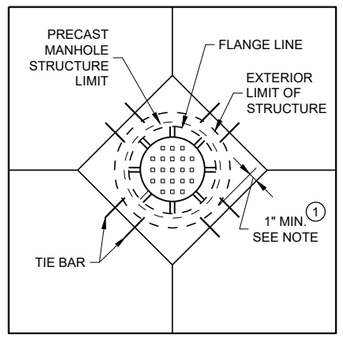
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

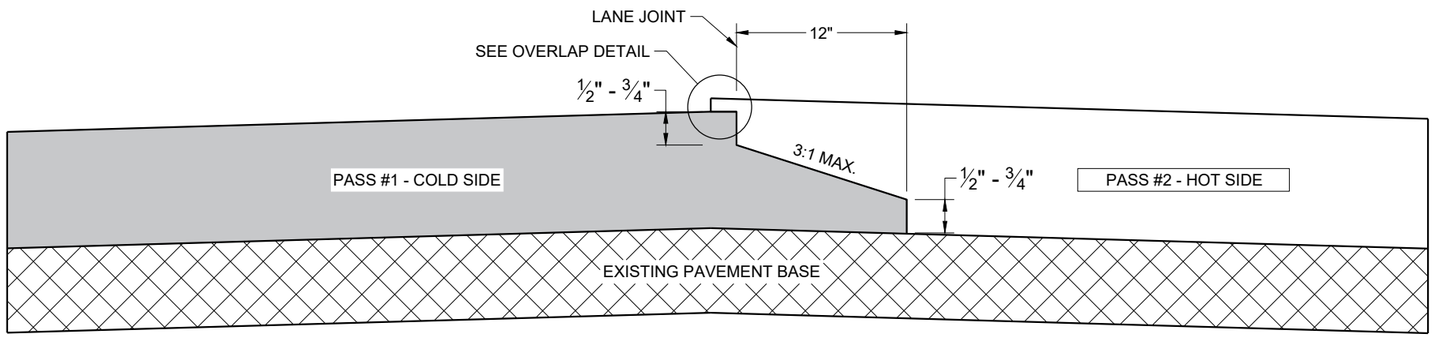
CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

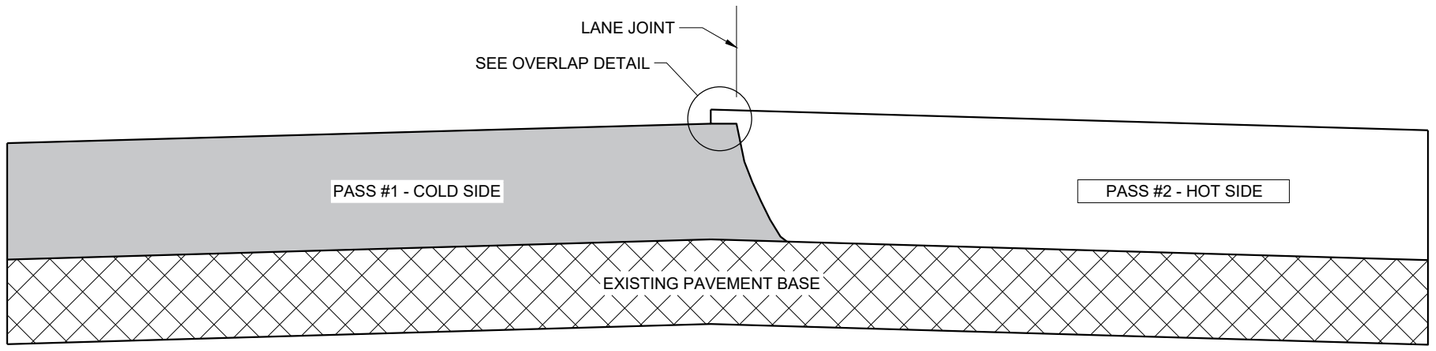
APPROVED
November 2018
DATE
/S/ Peter Kemp P.E.
PAVEMENT SUPERVISOR
FHWA

6

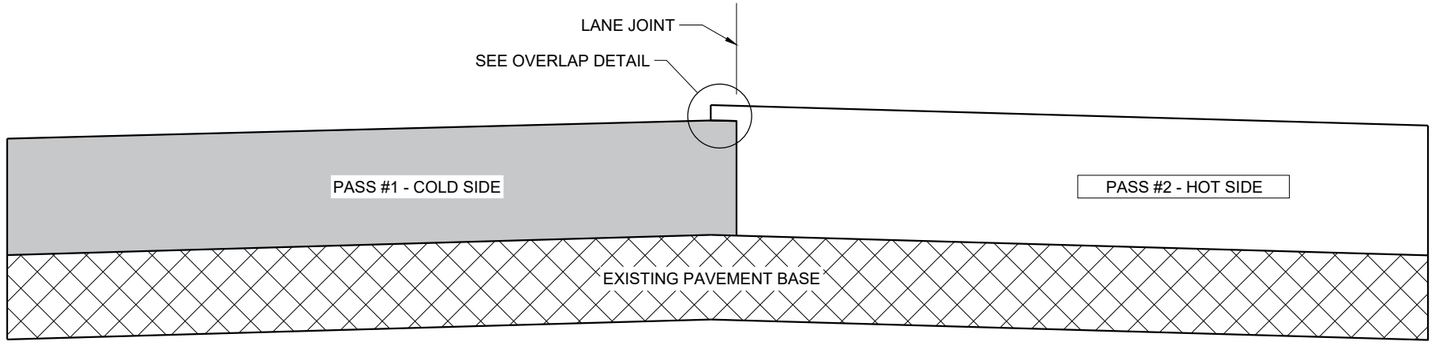
SDD 13C18 - 07d



TYPICAL PAVEMENT CROSS SECTION
OF NOTCHED WEDGE LONGITUDINAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL LONGITUDINAL JOINT



TYPICAL PAVEMENT CROSS SECTION
OF MILLED LONGITUDINAL JOINT

GENERAL NOTES

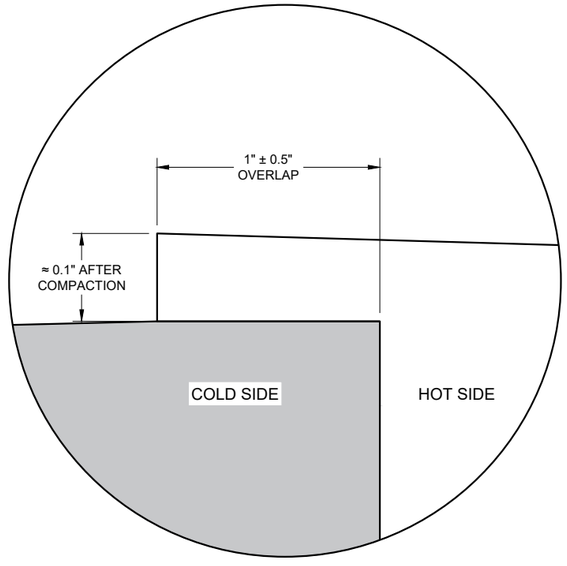
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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.

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

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SDD 13C19 - 02

SDD 13C19 - 02

HMA LONGITUDINAL JOINTS

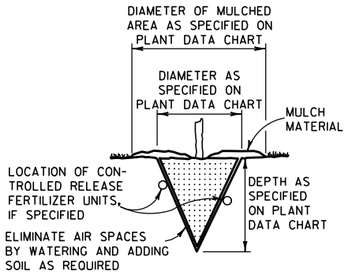
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

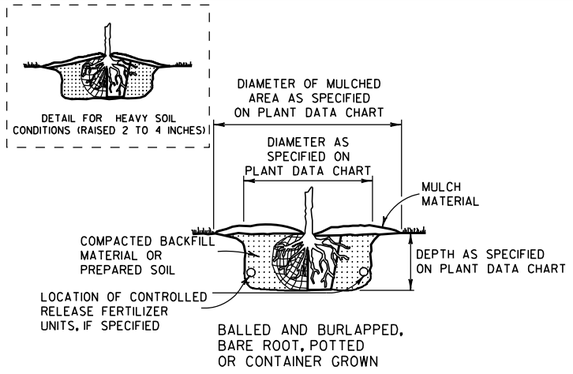
/S/ Steven Hefel
HMA PAVEMENT ENGIN

445

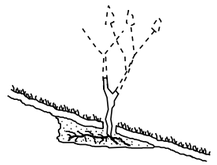
FHWA



MACHINE MOVED

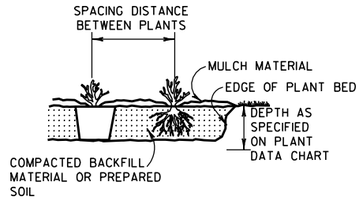


BALLED AND BURLAPPED, BARE ROOT, POTTED OR CONTAINER GROWN



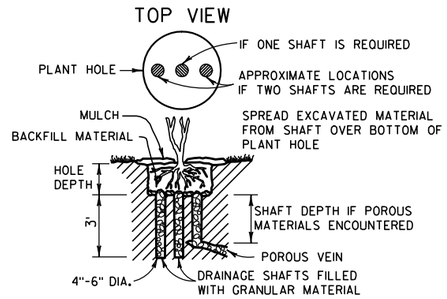
ACCOMMODATE ROOTS (SMOOTH AND STAGHORN SUMAC)

NOTE:
1) ENGINEER SHALL REQUIRE 3 SLITS IN POT TO SPEED DETERIORATION
2) METAL, PLASTIC OR OTHER NONDEGRADABLE POTS SHALL BE REMOVED PRIOR TO PLANTING



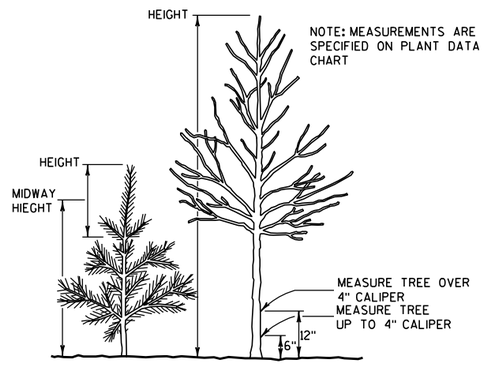
PREPARED BED (BARE ROOT AND POTTED)

PLANTING

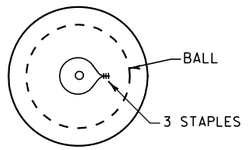


NOTE:
DRAINAGE SHAFT AS SPECIFIED ON PLANT DATA CHART

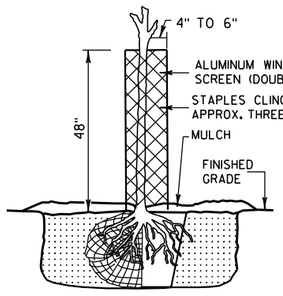
DRAINING



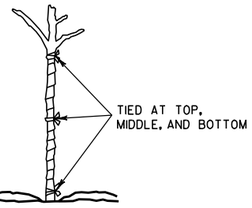
MEASURING



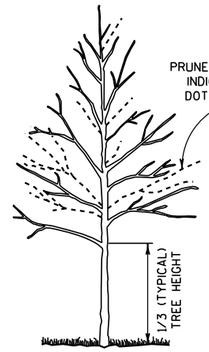
TOP VIEW



RODENT PROTECTION



WRAPPING

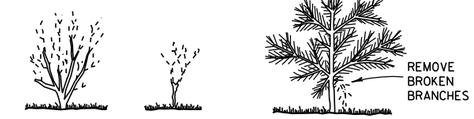


TALL DECIDUOUS TREES (ASH, MAPLE, LINDEN, OAK)

SINGLE STEMMED LOW DECIDUOUS TREES (CRABS AND OTHER SINGLE STEM TYPE)

MULTI-STEMMED LOW DECIDUOUS TREES OR LARGE SHRUBS (HAWTHORN, SERVICEBERRY)

NOTE: WHEN PRUNING, PRESERVE CHARACTER AND SHAPE OF TREE. AVOID LEAVING STUBS - REMOVE BRANCH OR TWIG BACK TO THE NEAREST CROTCH
1) PRUNE TO REMOVE DEAD AND BROKEN BRANCHES
2) PRUNE TO REMOVE BRANCHES THAT TOUCH OR ARE TOO CLOSE TO OTHER BRANCHES

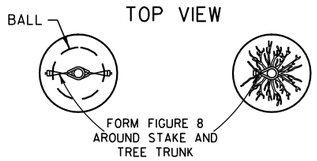


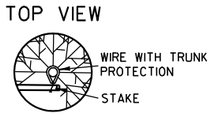
SHRUBS (GRAY DOGWOOD ARROWWOOD VIBURNUM)

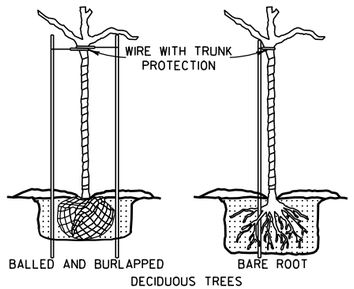
SUMAC

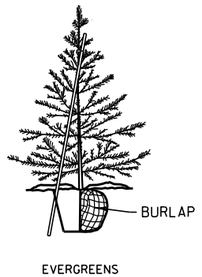
TREE TYPE EVERGREENS (PINE, SPRUCE, FIR) EVERGREENS USUALLY ARE NOT PRUNED

PRUNING



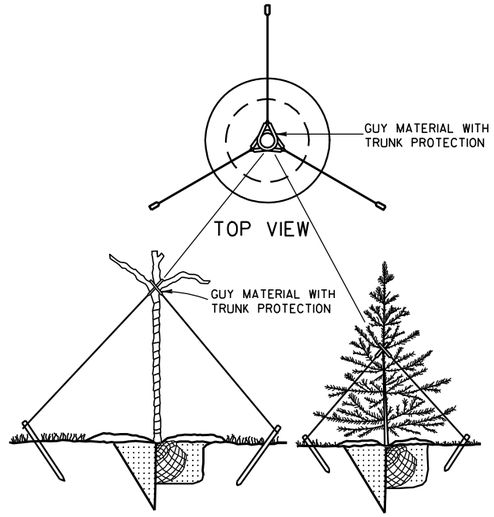






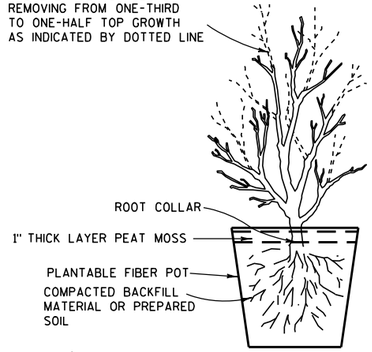
NOTE: BRACING STAKE
1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES.
2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT.
3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE; AND
4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE IN PLACE.

BRACING



GUYING

PRUNE LARGER SHRUBS BY REMOVING FROM ONE-THIRD TO ONE-HALF TOP GROWTH AS INDICATED BY DOTTED LINE



POTTING

NOTES

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

BRACING, WRAPPING, GUYING, RODENT PROTECTION, FERTILIZER AND MULCH SHALL BE USED ONLY WHEN SPECIFIED ON THE PLANT DATA CHART (PART OF PLAN) OR SPECIAL PROVISIONS.

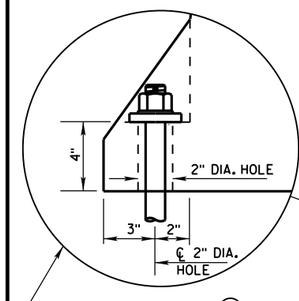
TREE PLANTING DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

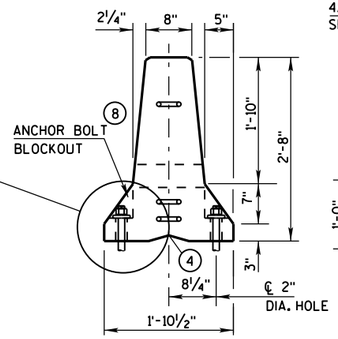
APPROVED
4/11/94
DATE
/S/ Rory L. Rhinesmith
CHIEF METHODS DEVELOPMENT ENGINEER
FHWA

S.D.D. 14 A 2-1

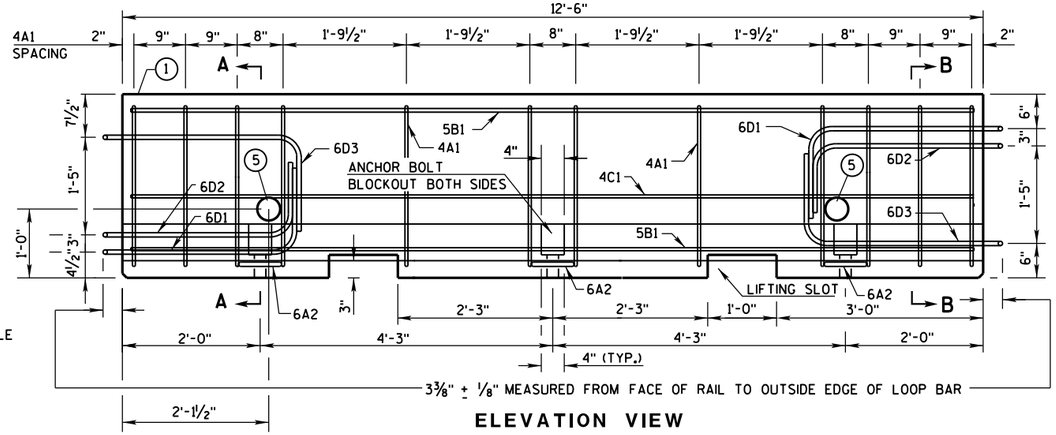
6
S.D.D. 14 A 2-1



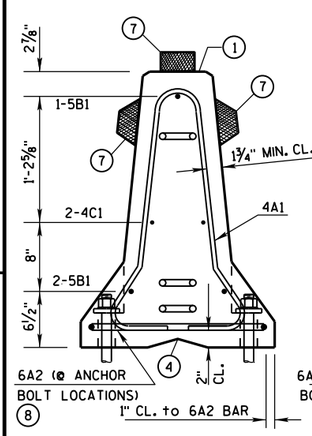
ANCHOR ON TRAFFIC SIDE (8) ONLY WHEN REQUIRED (SEE SHEET D FOR ADDITIONAL ANCHOR DETAIL)



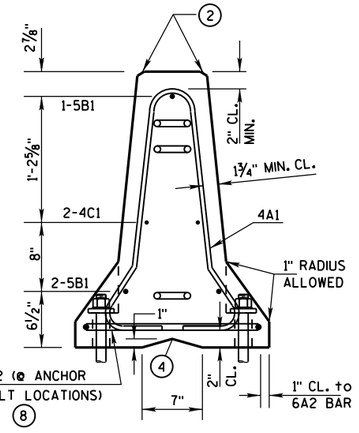
END VIEW



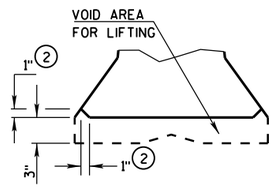
ELEVATION VIEW



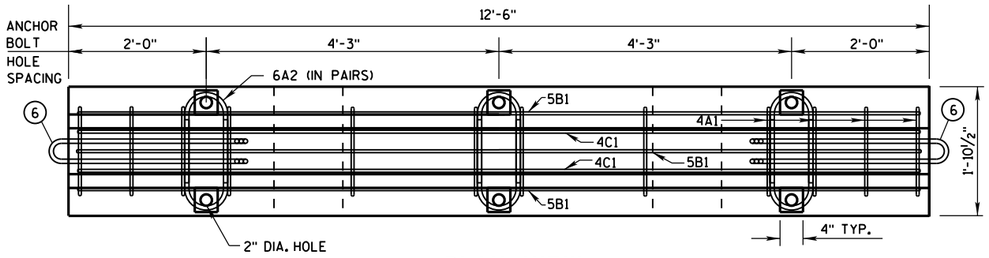
SECTION A-A
(STIRRUP PLACEMENT)



SECTION B-B
(STIRRUP PLACEMENT)

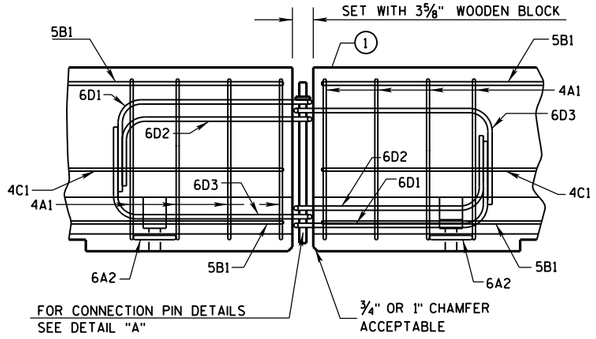


DETAIL "B"
LIFTING SLOT DETAIL

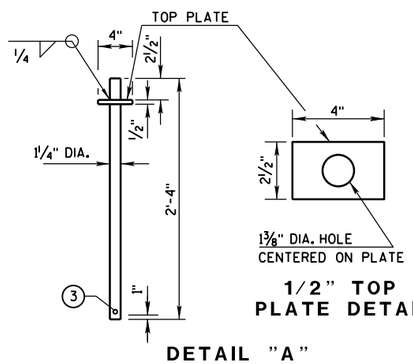


PLAN VIEW

DETAILS OF BARRIER SECTION

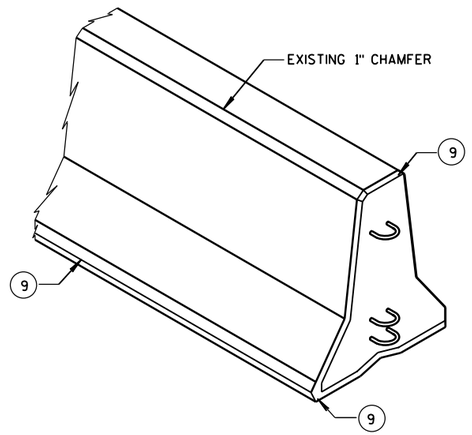


DETAILS OF BARRIER CONNECTION



1/2" TOP PLATE DETAIL

DETAIL "A"
CONNECTION PIN
(A36 STEEL (10.9 LB EACH))



GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-15(a) THRU 14B7-15(i).

DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH OTHER TEMPORARY CONCRETE BARRIERS.

USE ASTM A-615, GRADE 60, DEFORMED STEEL BARS FOR BARS 4A1, 6A2, 5B1 AND 4C1 IN THE BARRIER SECTION AND FOR 4V1, 4V2, 4V3, 4V4, 4V5, 4V6, 4F1, 4F2 AND 5F3 IN THE BARRIER TAPER SECTION.

LOOP BARS 6D1, 6D2 AND 6D3 SHALL BE ¾" SMOOTH STEEL BARS WITH A MINIMUM YIELD STRENGTH OF 60 KSI, A TENSILE STRENGTH OF NOT LESS THAN 1.25 TIMES THE YIELD STRENGTH BUT A MINIMUM OF 80 KSI, A MINIMUM 14% ELONGATION IN 8 INCHES AND PASSING A 180 DEGREE BEND TEST USING A 3-½" PIN BEND DIAMETER FOR BEND TESTS. THE LOOPS SHALL BE INSTALLED WITHIN ⅛" OF THE PLAN DIMENSION.

CONSTRUCT LIFTING SLOTS AS SPECIFIED ON THE PLANS TO FACILITATE THE DRAINAGE OF WATER AFTER INSTALLATION.

PLACE BARRIER ON A PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.

INSTALL MECHANICAL OR ADHESIVE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S INFORMATION TO PROJECT ENGINEER.

(1) MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
- a. TYPE: WI CBTP
- b. MANUFACTURER
- c. DATE MANUFACTURED (MONTH AND YEAR)

(2) 1" CHAMFER TO PREVENT SPALLING.

(3) A ⅜" HOLE IN THE CONNECTION PIN, AT THE LOCATION SHOWN, IS ACCEPTABLE, BUT NOT REQUIRED..

(4) "V" NOTCH IS OPTIONAL.

(5) THE 4" DIAMETER, 11 GAUGE STEEL, ROUND MECHANICAL TUBING SLEEVE FOR LIFTING (OPTIONAL).

(6) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

(7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED TO THE RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART. PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAN 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

(8) SEE SHEET D FOR HOW TO ANCHOR BARRIER. SEE SHEET E FOR WHEN TO ANCHOR BARRIER.

(9) 1" CHAMFER OPTIONAL.

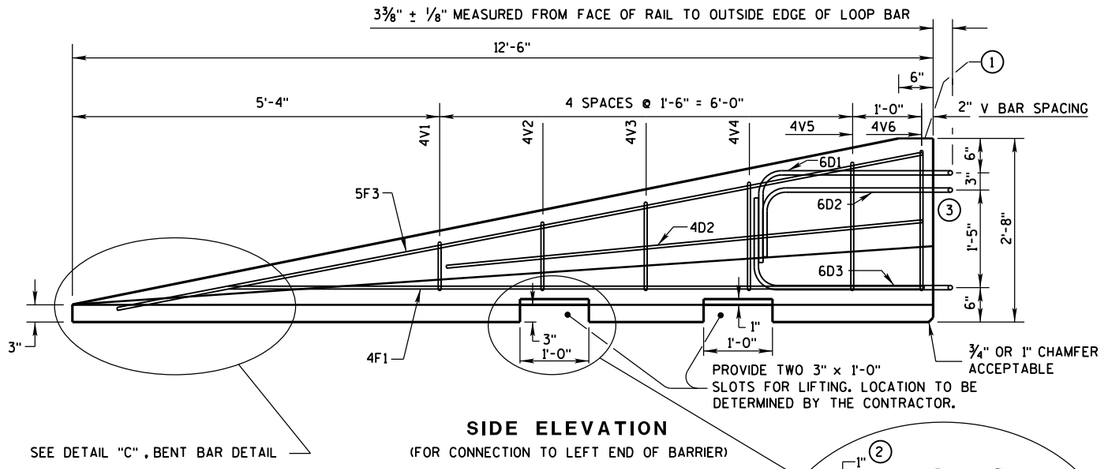
f'c = 4,000 psi

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

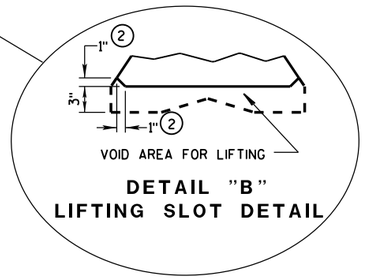
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

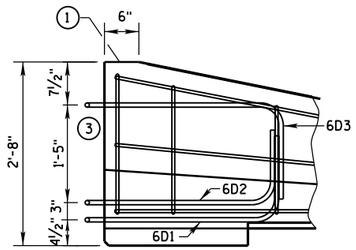
S.D.D. 14 B 7-15a



SIDE ELEVATION
(FOR CONNECTION TO LEFT END OF BARRIER)



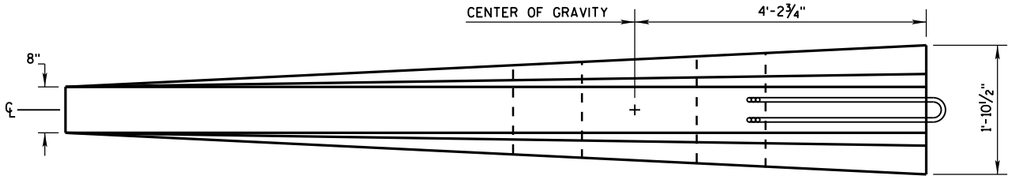
DETAIL "B"
LIFTING SLOT DETAIL



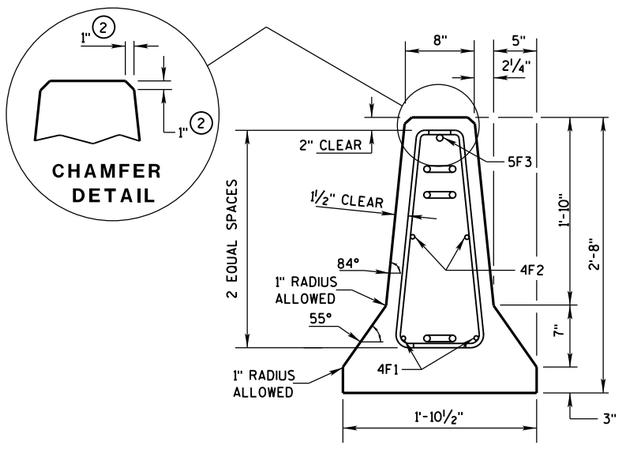
SIDE ELEVATION
LOOP BAR ASSEMBLY INVERTED
FOR OPPOSITE END.
(FOR CONNECTION TO RIGHT END OF BARRIER)

GENERAL NOTES

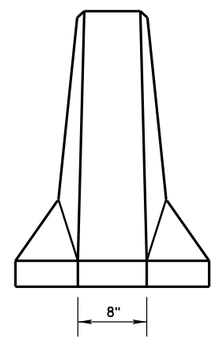
1. MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
   a. TYPE WICBTP
   b. MANUFACTURER
   c. DATE MANUFACTURED (MONTH AND YEAR)
2. 1" CHAMFER TO PREVENT SPALLING.
3. NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.



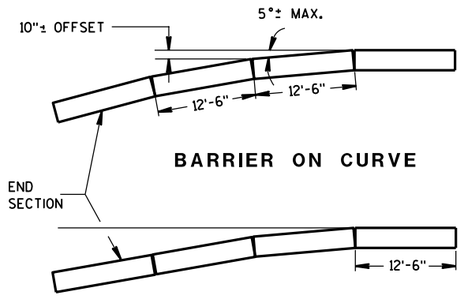
PLAN VIEW



END SECTION



FRONT ELEVATION



BARRIER ON CURVE

FLARE AT BARRIER END

POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

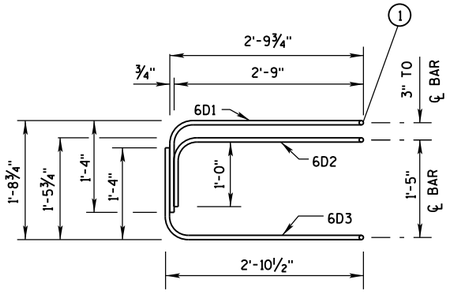
6

S.D.D. 14 B 7-15b

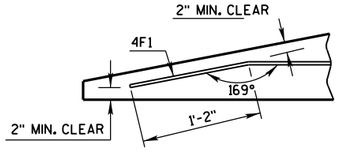
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

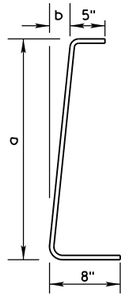
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



ELEVATION
LOOP BAR ASSEMBLY



DETAIL "C"
BENT BAR DETAIL



BAR	a	b
V1	10"	1"
V2	1'-1"	1¼"
V3	1'-5"	1⅝"
V4	1'-8"	1⅞"
V5	2'-0½"	2⅜"
V6	2'-3"	2¾"

4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

TAPER BARRIER SECTION

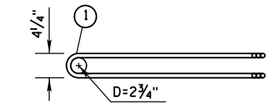
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

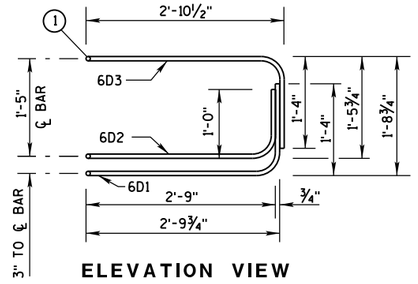
BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

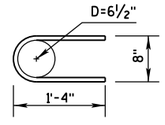
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"



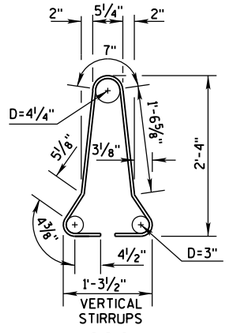
PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)



ELEVATION VIEW



6A2



4A1

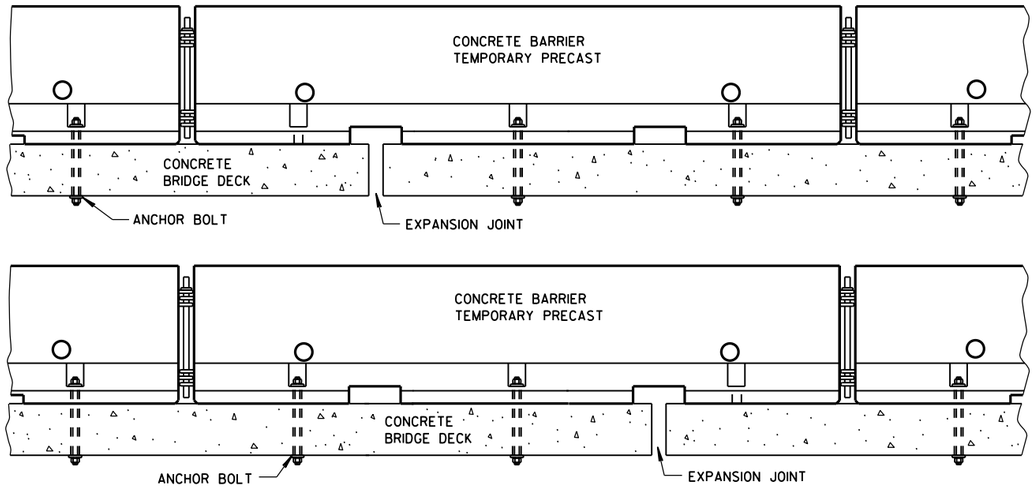
BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 7-15c



TREATMENT AT BRIDGE DECK EXPANSION JOINTS

(NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.)

GENERAL NOTES

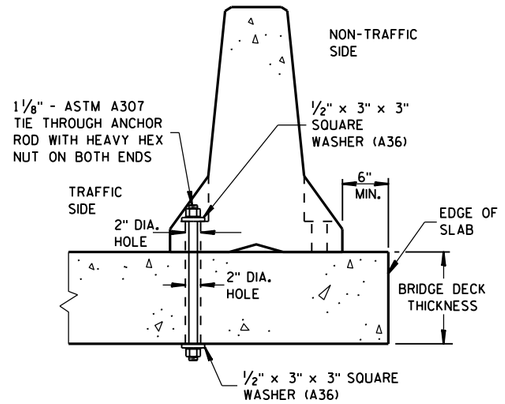
SEE SHEET E FOR WHEN TO ANCHOR. OTHER PARTS OF THE PLAN MAY SHOW ADDITIONAL LOCATIONS REQUIRING ANCHORING.

REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERICAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

(1) 1⅛" DIAMENTER A307 THREADED ROD. ½" X 3" X 3" SQUARE PLATE WASHER WITH ASTM A36 STEEL. ASTM A563A HEAVY HEX NUT.

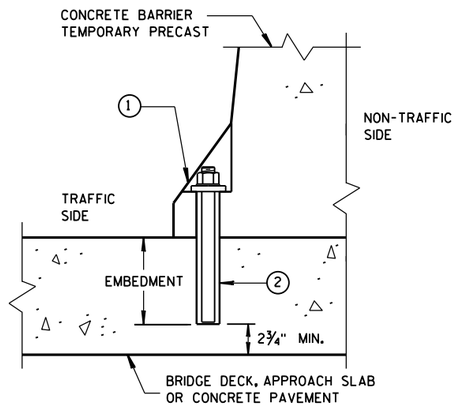
(2) ADHESIVE ANCHORS WITH A MINIMUM BOND STRENGTH OF 1,800 PSI AND 5¼" EMBEDMENT. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.

(3) ASPHALT SURFACE SHOWN. CONTRACTOR MAY DRILL THROUGH CONCRETE PAVEMENT AND THAN DRIVE ASPHALT ANCHOR PIN.



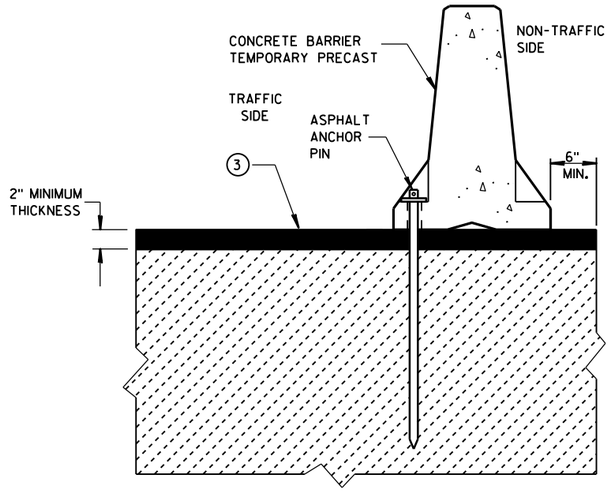
THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)

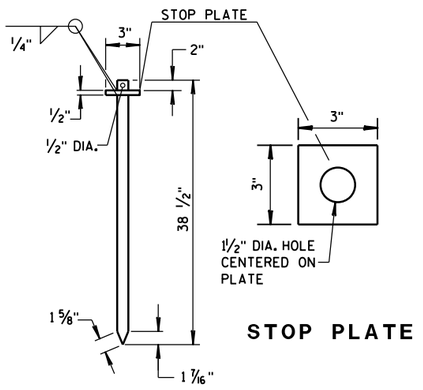


REMOVABLE ADHESIVE ANCHOR INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)



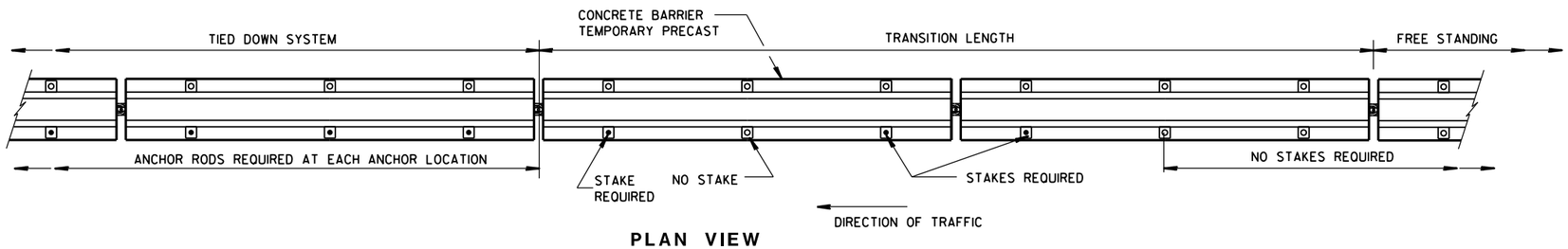
STAKE DOWN INSTALLATION FOR ASPHALTIC SURFACE



STOP PLATE

ASPHALT ANCHOR PIN

(ASTM A36 STEEL)



PLAN VIEW

FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

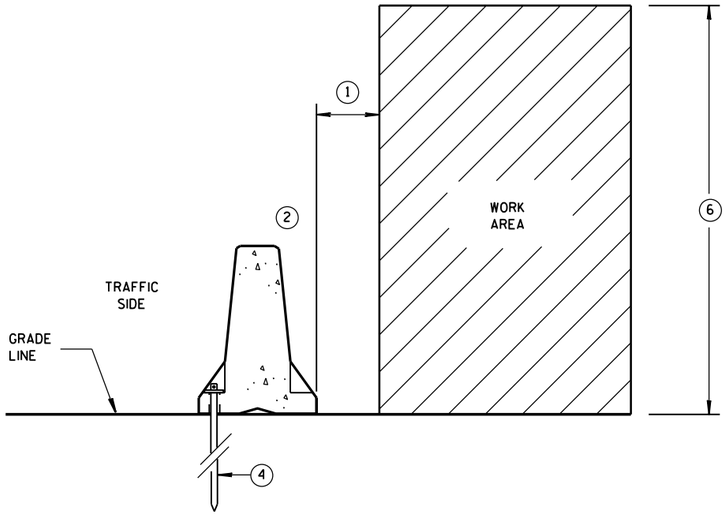
(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN.)

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

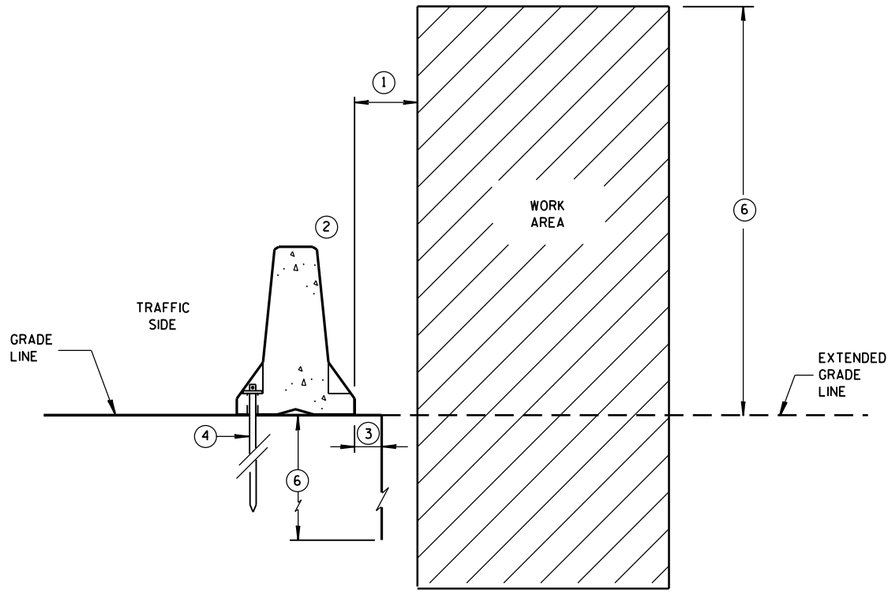
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 7-15d



ANCHORED BARRIER SPACE REQUIREMENTS FOR HAZARDS EXTENDED ABOVE THE GRADE LINE

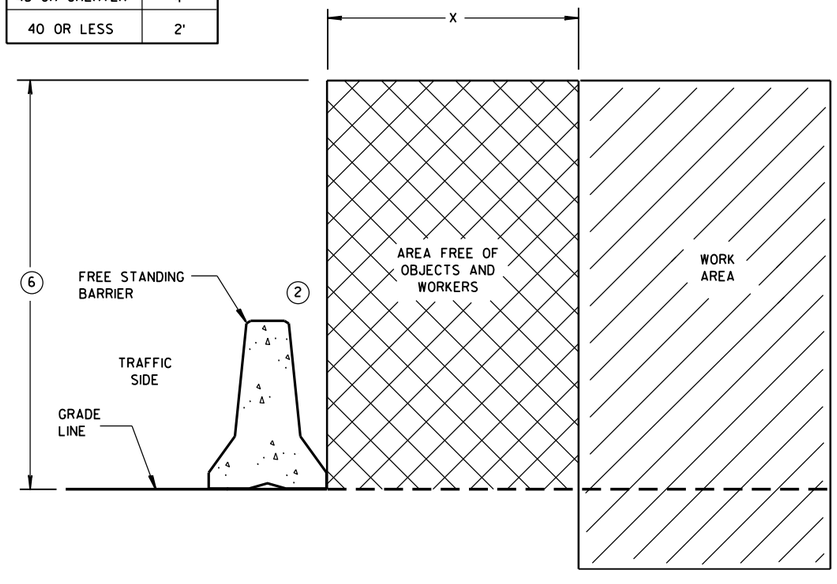


ANCHORED BARRIER SPACE REQUIREMENTS ON VERTICAL DROP OFFS

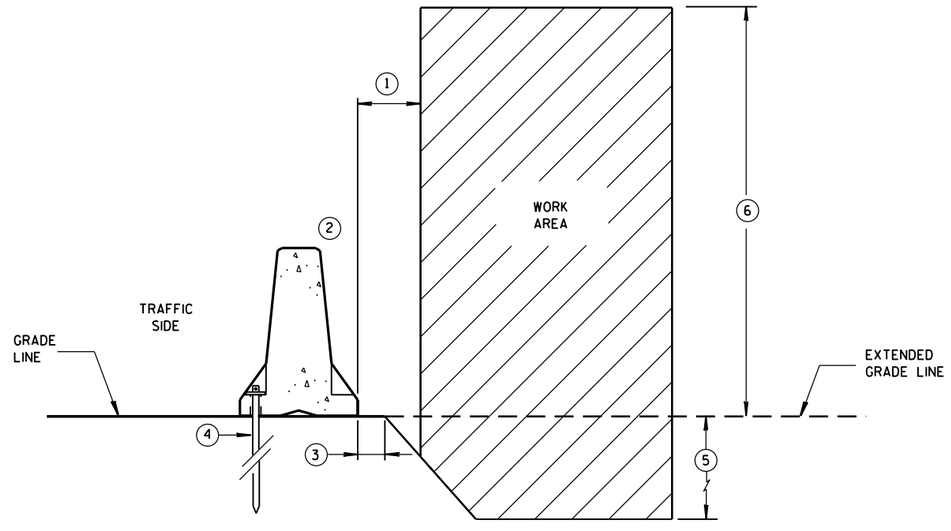
GENERAL NOTES

1. WHEN OBJECTS EXTEND ABOVE THE GRADE, A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT. SEE OTHER DETAILS FOR FOR THE MINIMUM OFFSET FROM BACK OF BARRIER TO SLOPES OR VERTICAL DROPS.
2. OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR LEANED AGAINST THE BARRIER WITHOUT PERMISSION OF THE PROJECT ENGINEER.
3. SEE OTHER DETAIL ON SHEET "D" FOR SPACE REQUIREMENTS.
4. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR A STAKE DOWN FOR ASPHALTIC SURFACE TREATMENT DETAILS. ASPHALTIC ANCHOR SHOWN.
5. DEPTH OF 3 FEET OR MORE.
6. Y = 6'-6".

POSTED SPEED MPH	X
45 OR GREATER	4'
40 OR LESS	2'



FREE STANDING BARRIER SPACE REQUIREMENTS



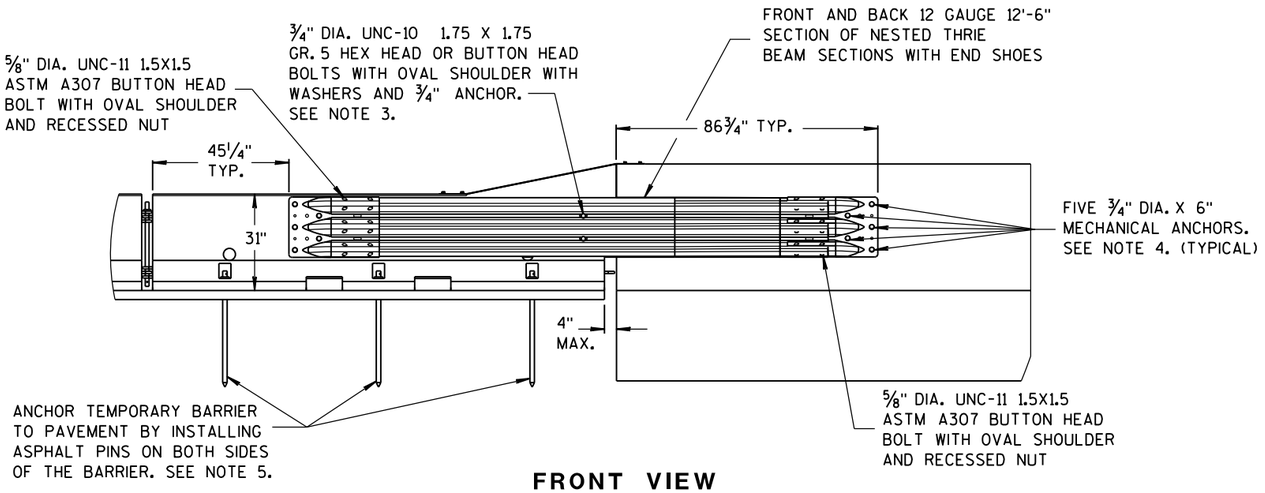
ANCHORED BARRIER SPACE REQUIREMENTS ON SLOPES

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

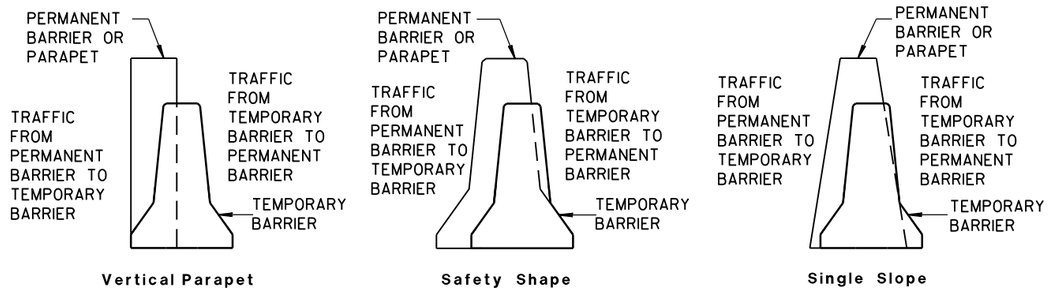
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 7-15e



FRONT VIEW

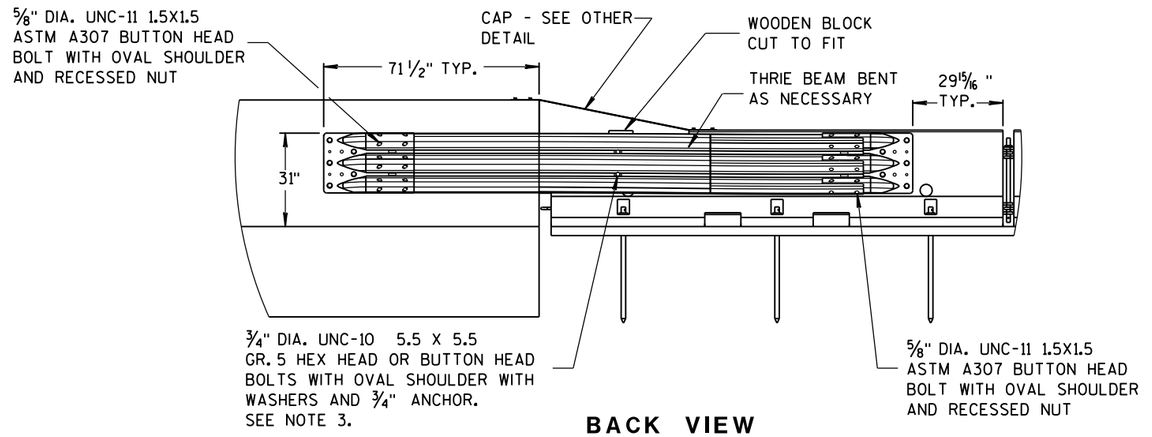


TEMPORARY BARRIER PLACEMENT FOR BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

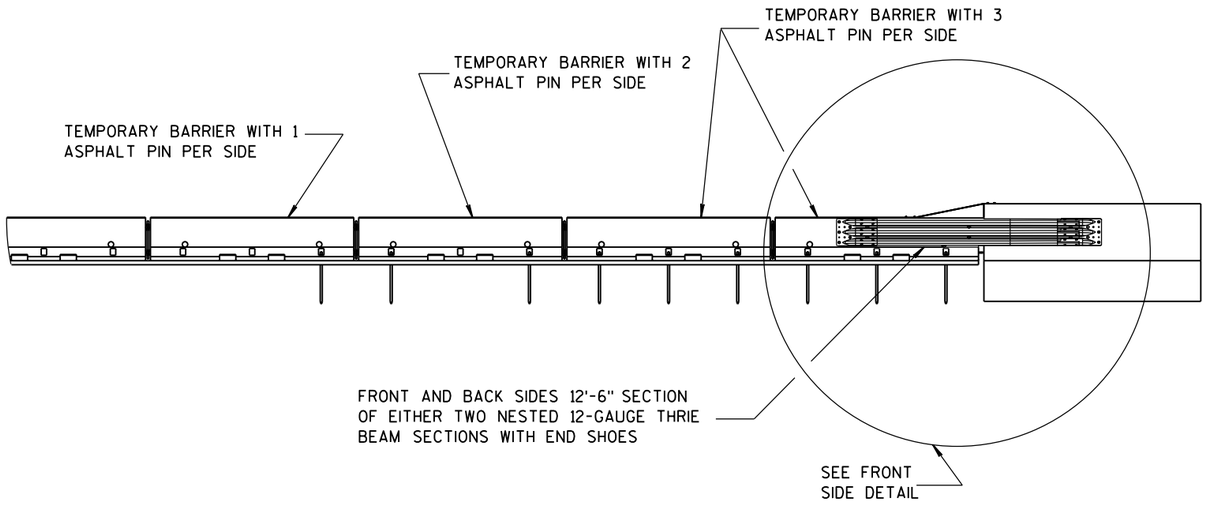
NOTES

NESTED THRIE BEAM IS REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS REGARDLESS OF TRAFFIC.

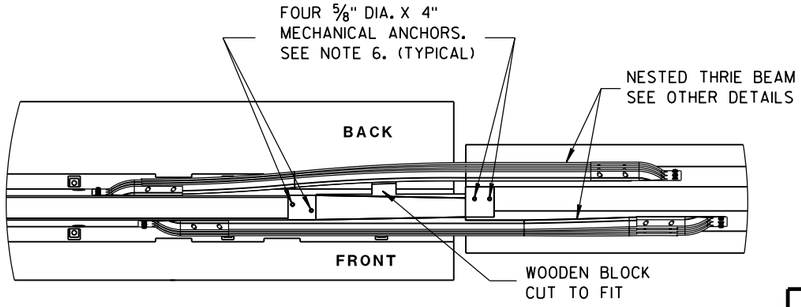
1. CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
2. THRIE BEAM PIECES ARE OFFSET 15 1/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
3. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS.
4. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS.
5. MAY BE USED ON CONCRETE OR ASPHALT PAVEMENTS. ASPHALT OPTION SHOWN. FOR CONCRETE OPTION SEE OTHER DETAILS.
6. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.



BACK VIEW



FRONT VIEW



PLAN VIEW

BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6
S.D.D. 14 B 7-15f

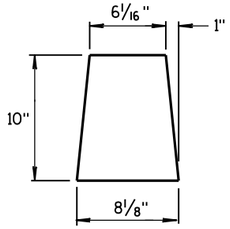
GUSSET 1

GUSSET 2

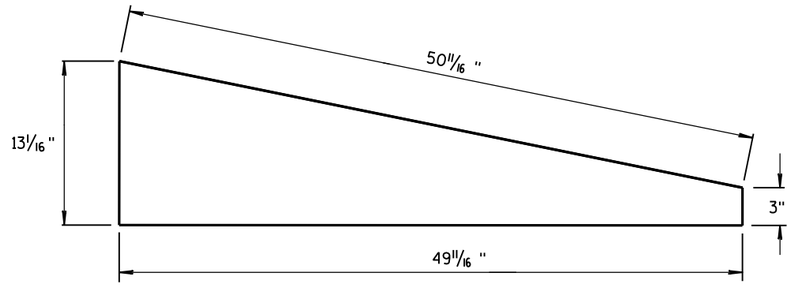
GUSSET 3

GUSSET 4

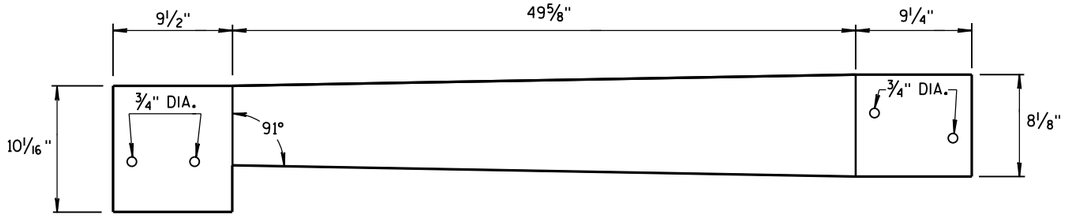
GUSSETS

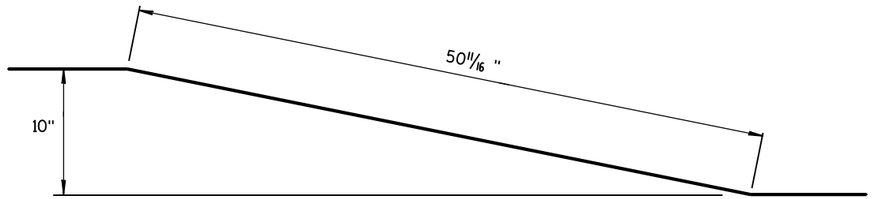


END PLATE

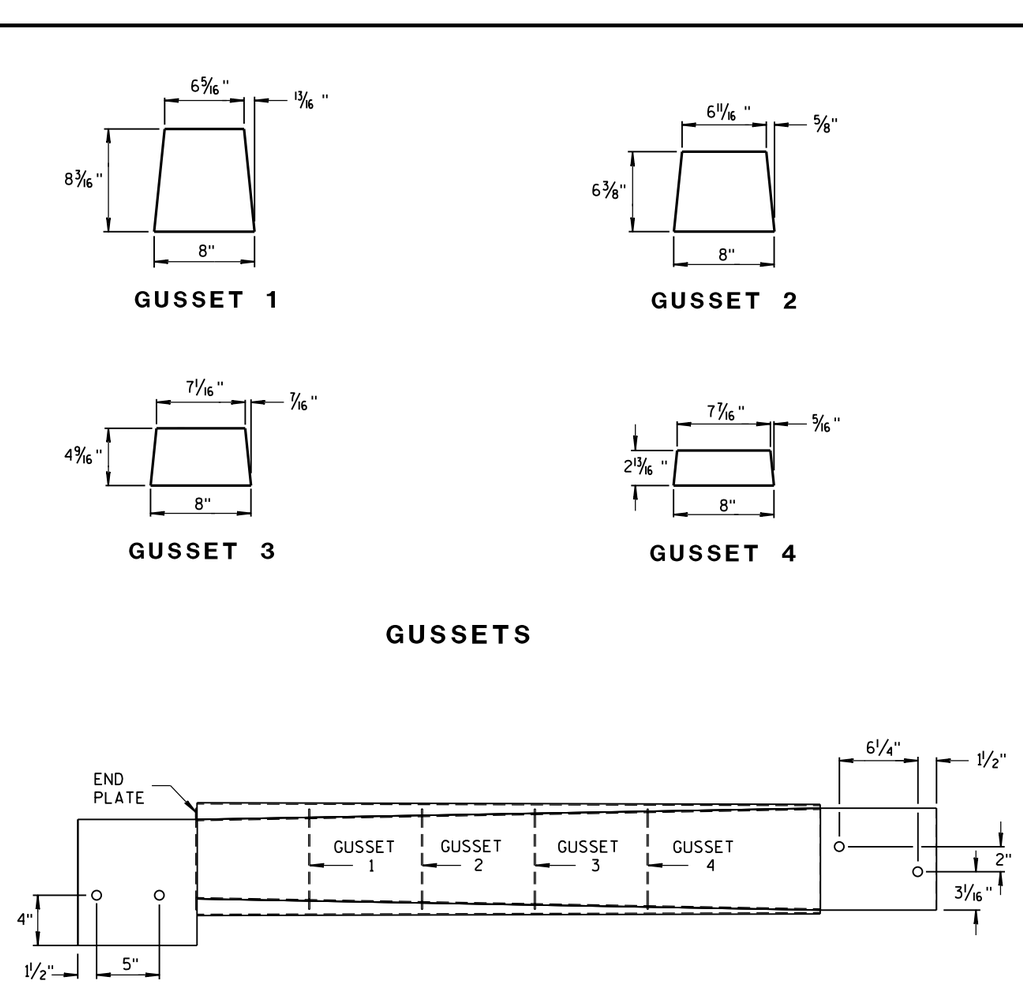


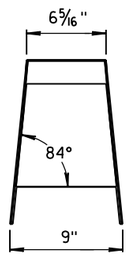
SIDE PLATE





TOP PLATE





SECTION C-C

SIDE, TOP AND END PLATES FOR CAP FROM TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.

NOTES

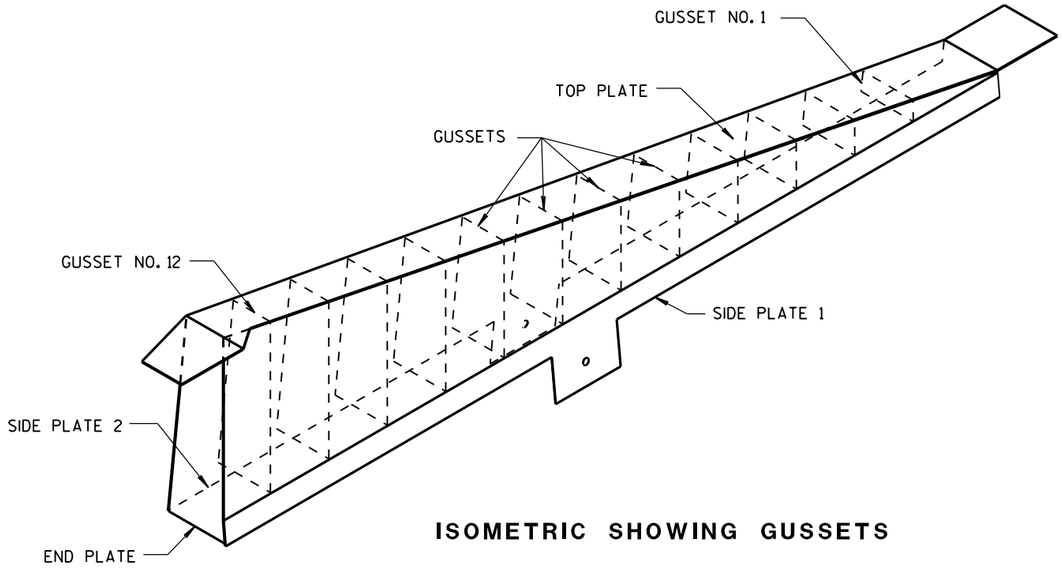
1. FOUR GUSSETS AND END PLATE ARE STITCH WELDED ON THREE SIDES.
2. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE, AND GUSSETS.

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

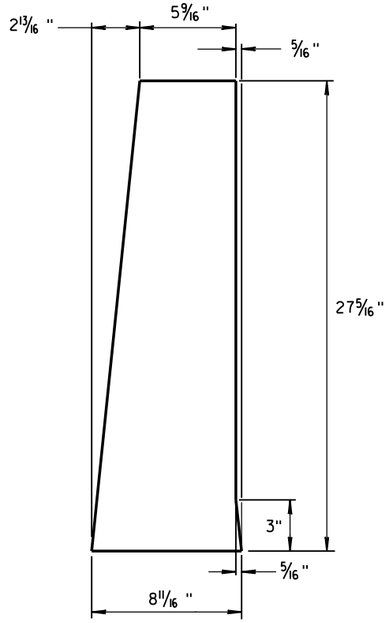
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 7-15g

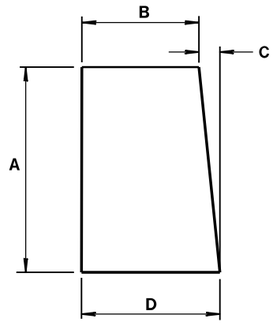


ISOMETRIC SHOWING GUSSETS



END PLATE

1/8" STEEL PLATE



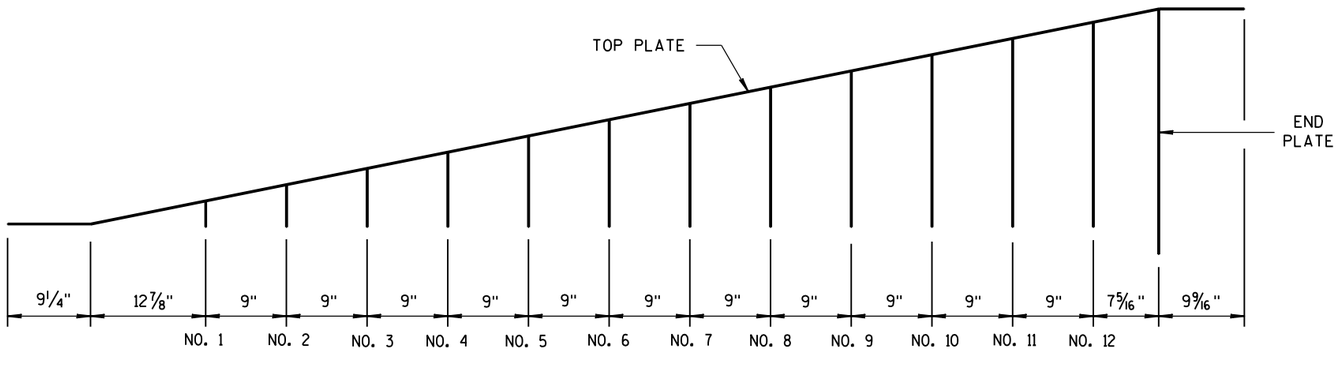
GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
1	2 7/8"	7 3/4"	1/4"	8
2	4 11/16 "	7 9/16 "	1/2"	8
3	6 1/2"	7 3/8"	11/16 "	8 1/16 "
4	8 5/16 "	7 3/16 "	7/8"	8 1/16 "
5	10 1/8"	7"	1 1/16 "	8 1/16 "
6	11 15/16 "	6 13/16 "	1 1/4"	8 1/16 "
7	13 3/4"	6 5/8"	1 7/16 "	8 1/16 "
8	15 9/16 "	6 7/16 "	1 9/16 "	8 1/16 "
9	17 3/8"	6 1/4"	1 13/16 "	8 1/16 "
10	19 3/16 "	6 1/16 "	1 15/16 "	8 1/16 "
11	21"	5 7/8"	2 3/16 "	8 1/16 "
12	22 13/16 "	5 11/16 "	2 5/16 "	8 1/16 "

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.



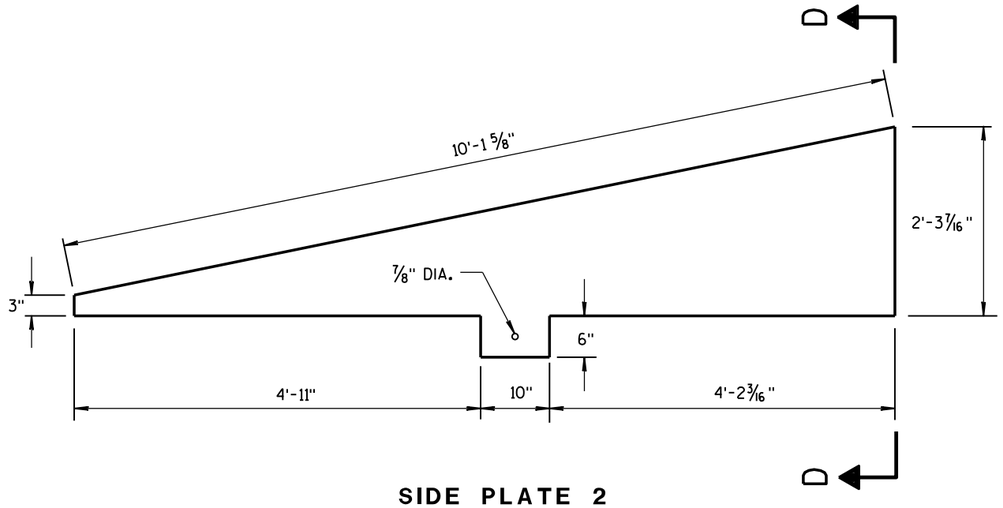
GUSSET LOCATION

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

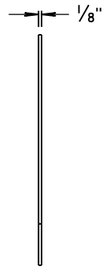
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

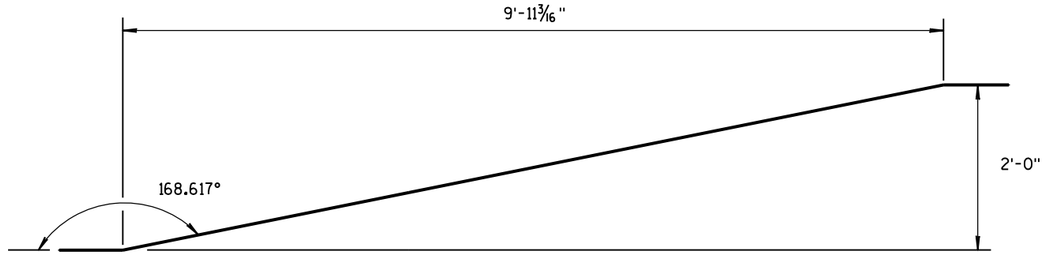
6
S.D.D. 14 B 7-15h



SIDE PLATE 2

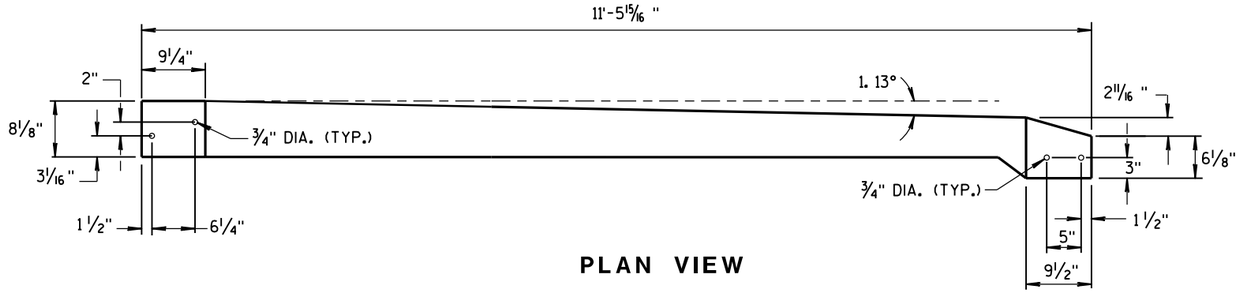


END VIEW



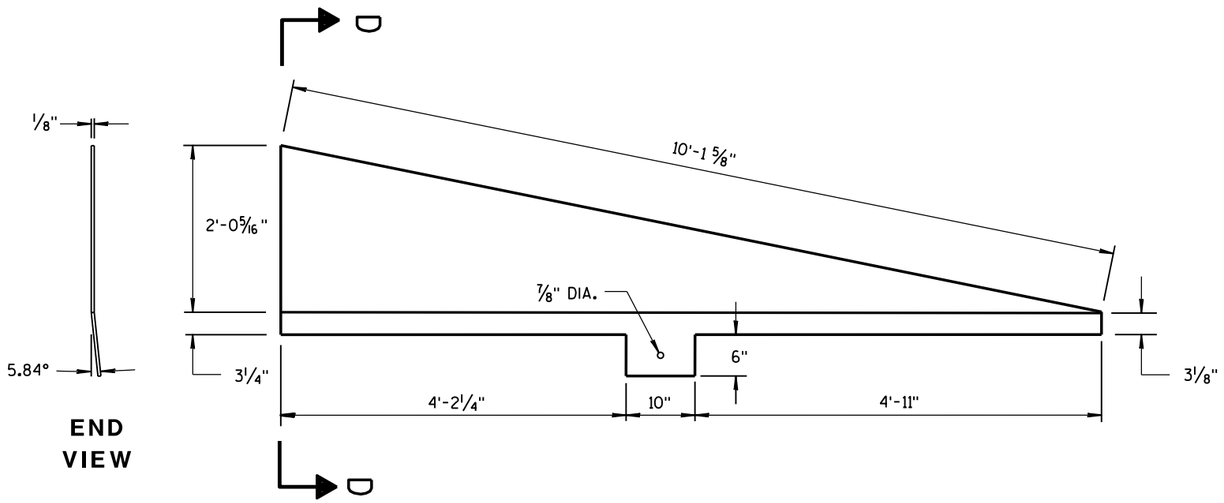
SIDE VIEW

TOP PLATE



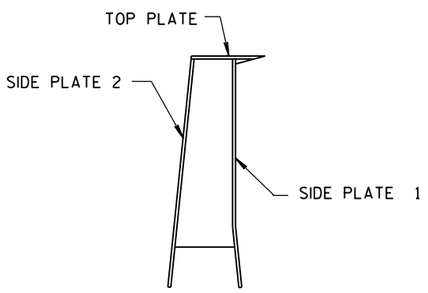
PLAN VIEW

TOP PLATE



END VIEW

SIDE PLATE 1



SECTION D-D

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

UNIT SUPERV 455 ENT

6

S.D.D. 14 B 7-15i

6

S.D.D. 14 B 7-15i

GENERAL NOTES

(1) W6 X 9 OR W6 X 8.5 STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POSTS WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS. APPROVED PLASTIC BLOCKOUT DESIGNS MAY VARY FROM THIS TYPICAL DETAIL WHEN USED IN CONJUNCTION WITH STEEL POSTS.

DO NOT MIX STEEL POSTS AND WOOD POSTS IN A SINGLE INSTALLATION.

(2) USE STRUCTURAL STEEL POSTS CONFORMING TO ASTM A 36. GALVANIZED POSTS ACCORDING TO AASHTO M 111. EITHER SET THE POSTS IN DRILLED HOLES OR DRIVE TO GRADE. REMOVE MUSHROOMING CAUSED BY DRIVING AND REPAIR DAMAGED SPELTER COATING ON GALVANIZED POSTS.

(3) INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(4) USE EITHER WOOD OR APPROVED PLASTIC BLOCKOUTS ON WOOD POSTS.

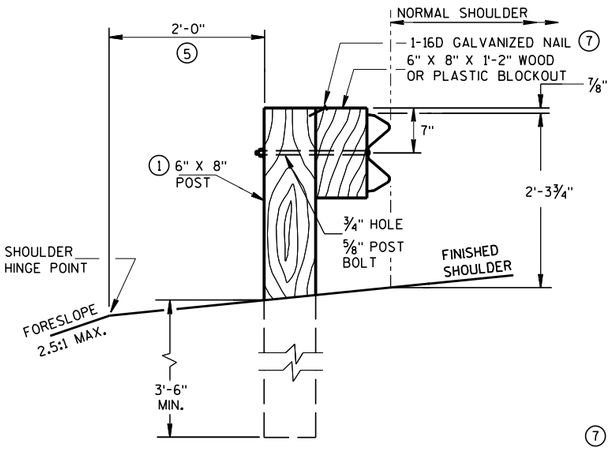
(5) IF THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING, W BEAM (LHW).

(6) IF ROCK IS ENCOUNTERED DURING EXCAVATION, THE ENGINEER MAY APPROVE USING A 12 INCH DIAMETER POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE APPROXIMATELY 2½ INCHES DEEP. CUT THE POSTS TO LENGTH AND PLACE IN YHE HOLE. BACKFILL WITH MATERIAL EXCAVATED FROM THE HOLE AND COMPACT ADEQUATEY.

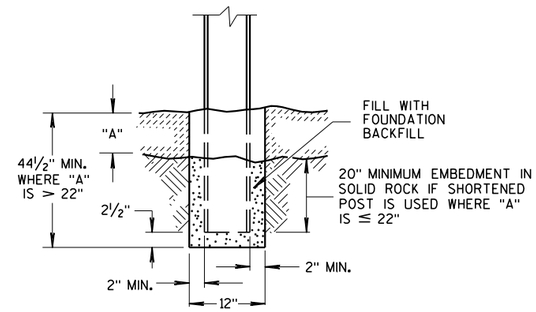
(7) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

INSTALL BEAM GUARD SECTIONS AND ALL NECESSARY HARDWARE ACCORDING TO THE APPLICABLE PLAN AND CURRENT STANDARD AND SUPPLEMENTAL SPECIFICATIONS.

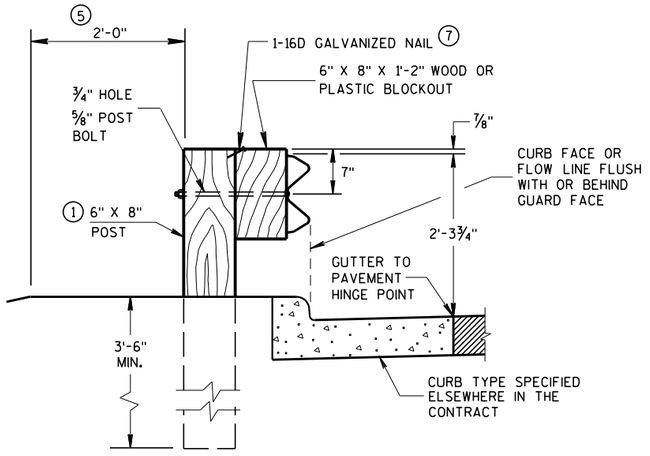
ALL DIMENSIONS ARE SUBJECT TO MANUFACTURER'S TOLERANCES EXCEPT WHERE ALLOWABLE TOLERANCES ARE SHOWN.



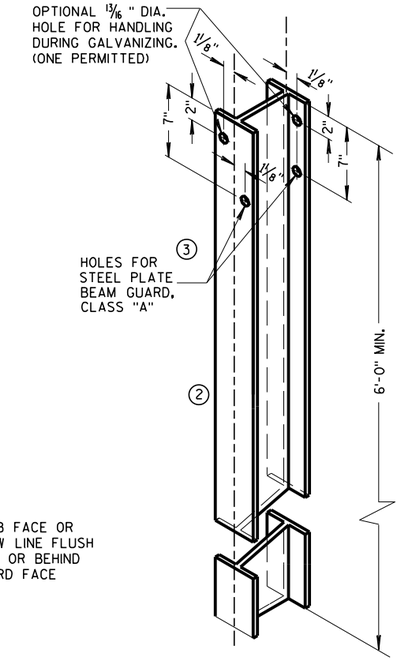
END VIEW
LOCATED ALONG A ROADWAY SHOULDER
STANDARD INSTALLATION



END VIEW
SETTING STEEL OR WOOD POST IN ROCK (6)

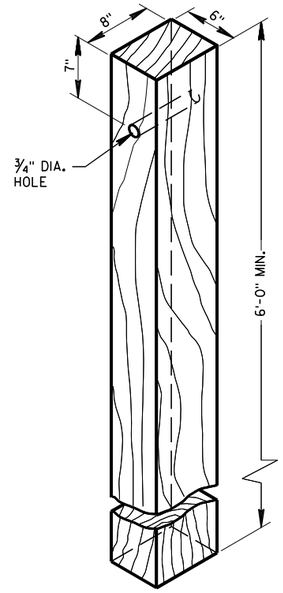


END VIEW
LOCATED ALONG A CURBED ROADWAY

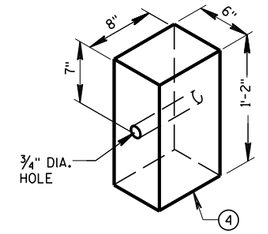


STEEL POST &
HOLE PUNCHING DETAIL
(W6 X 9) (1)

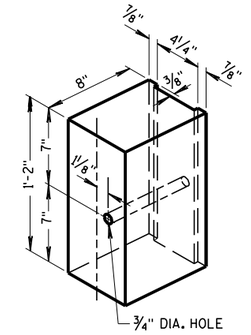
ALL HOLES 13/16" DIAMETER EXCEPT AS NOTED



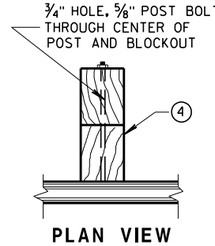
WOOD POST
(6"X8") NOMINAL



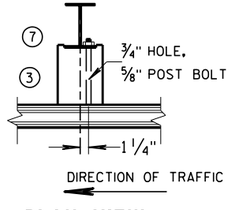
WOOD OR PLASTIC
BLOCKOUT FOR
WOOD POSTS



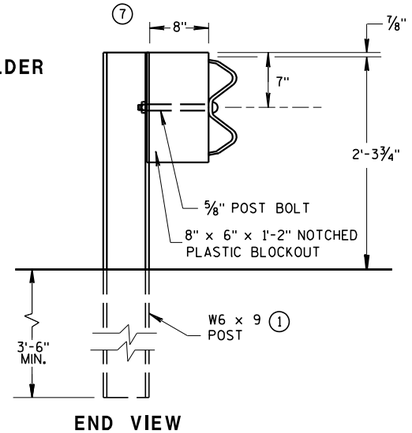
TYPICAL NOTCHED
PLASTIC BLOCKOUT
FOR STEEL POSTS (1)



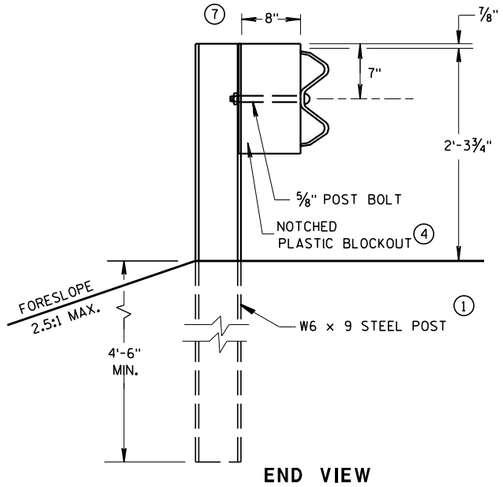
PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



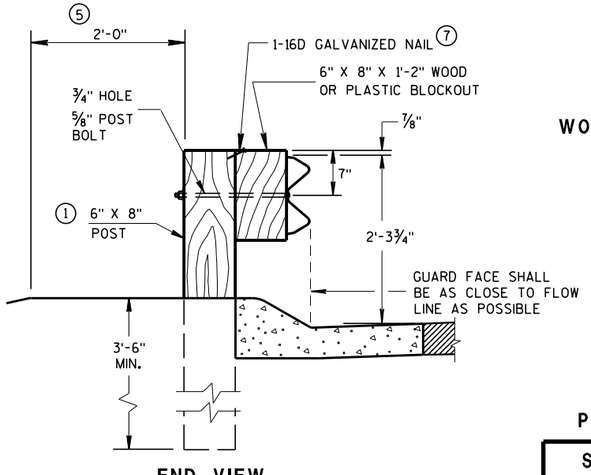
PLAN VIEW
STEEL POST, NOTCHED
PLASTIC BLOCKOUT & BEAM



END VIEW
STEEL POST & NOTCHED
PLASTIC BLOCKOUT ALTERNATIVE
STANDARD INSTALLATION



END VIEW
LONGER POST AT HALF
POST SPACING W BEAM
(LHW)



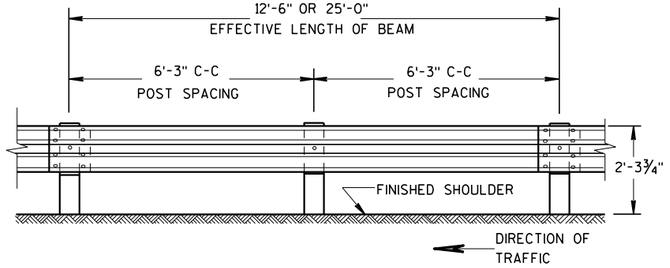
END VIEW
LOCATED ALONG A
MOUNTABLE CURBED ROADWAY

TYPICAL INSTALLATION OF STEEL PLATE BEAM GUARD

STEEL PLATE BEAM GUARD,
CLASS "A"
INSTALLATION & ELEMENTS

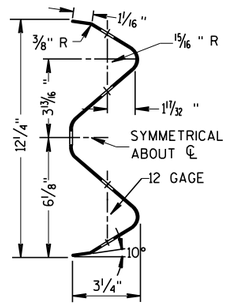
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
S.D.D. 14 B 15-11a

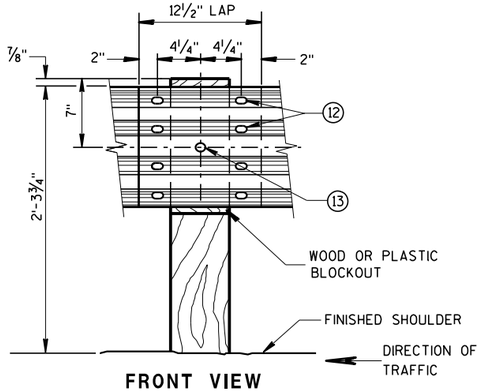


FRONT VIEW

POST SPACING STANDARD INSTALLATION



SECTION THRU W BEAM



FRONT VIEW

BEAM SPLICE AT WOOD POST AND POST MOUNTING DETAIL

GENERAL NOTES

FURNISH GUARDRAIL DEFLECTORS FROM APPROVED PRODUCTS LIST.

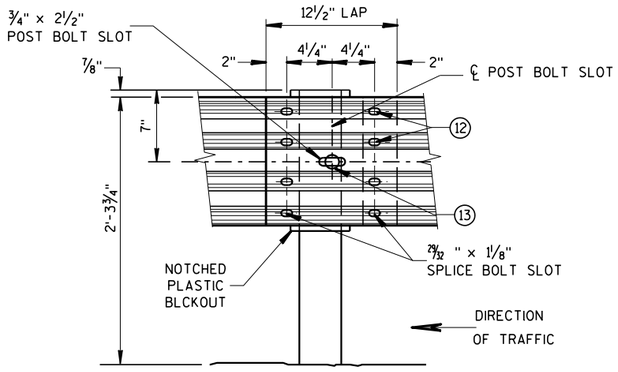
(9) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINA. START REFLECTORS AT POST #9 AND SPACE EVENLY EVERY 100 FEET (MAX.) TO THE END OF GUARDRAIL RUN, USING A MINIMUM OF 3 REFLECTORS.

(12) 8 -5/8" ϕ X 2" BUTTON HEAD BOLTS WITH OVAL SHOULDERS & RECESS NUTS.

(13) 5/8" DIA. BUTTON HEAD BOLT AND RECESS NUT WITH 5/8" DIA. F844 FLAT WASHER UNDER NUT.

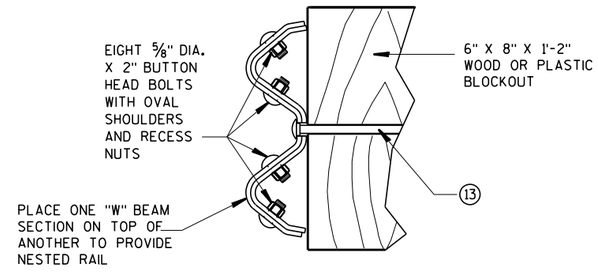
FRONT VIEW

POST SPACING FOR LONGER POST AT HALF POST SPACING W BEAM (LHW)



FRONT VIEW

BEAM SPLICE AT STEEL POST

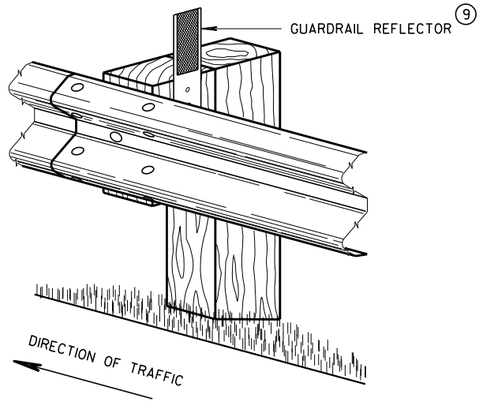


NESTED W BEAM (NW)

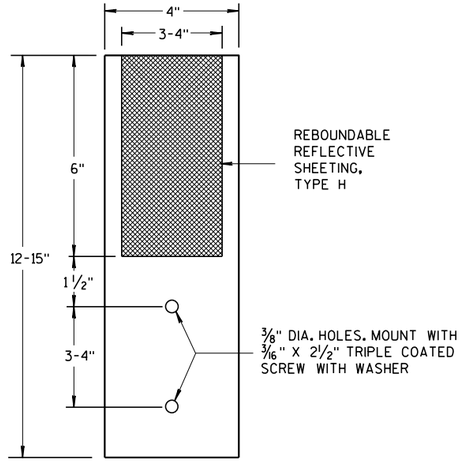
USE ALL OTHER STANDARD BEAM GUARD DETAILS FOR CONSTRUCTING NESTED W BEAM (NW)

TYPICAL SPLICING DETAILS OF STEEL PLATE BEAM GUARD

* USE DOUBLE SIDED WHITE GUADRAIL REFLECTORS ON ROADWAYS WITH BI-DIRECTIONAL TRAFFIC (NO MEDIAN). USE SINGLE SIDED WHITE (RIGHT SIDE) AND SINGLE SIDED YELLOW (LEFT SIDE) ON ROADWAYS WITH MEDIAN SEPARATION.



4" X 12" GUARDRAIL REFLECTOR DETAIL AND TYPICAL INSTALLATION *



4"x 12" GUARDRAIL REFLECTOR

STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS

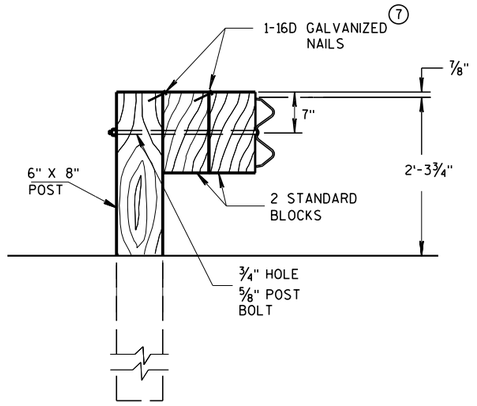
STATE OF WISCO 457
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 14 B 15-11b

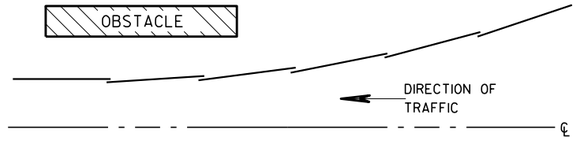
6

S.D.D. 14 B 15-11b

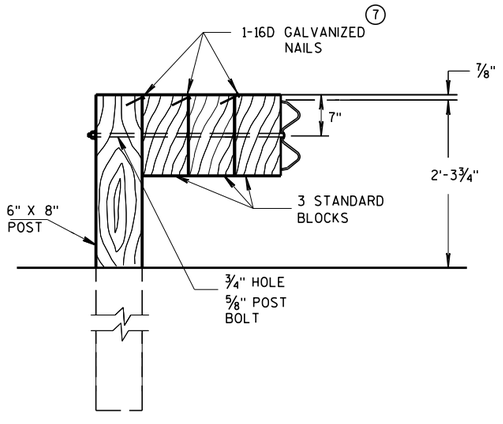


DETAIL FOR DOUBLE BLOCKS

THE NUMBER OF DOUBLE BLOCK POSTS WITHIN A BARRIER RUN IS UNLIMITED

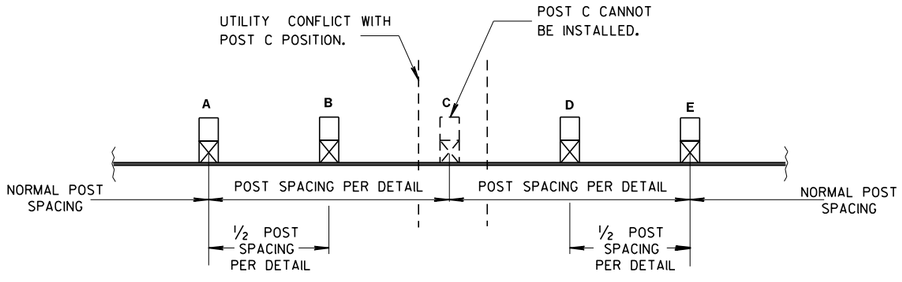


PLAN VIEW
BEAM LAPPING DETAIL



DETAIL FOR TRIPLE BLOCKS

TRIPLE BLOCK DETAIL IS LIMITED TO ONE LOCATION WITHIN A BEAM GUARD RUN.



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION

NOTES: USE DOUBLE OR TRIPLE BLOCKS WHEN UNDERGROUND OBSTACLES PREVENT THE POST FROM BEING INSTALLED.

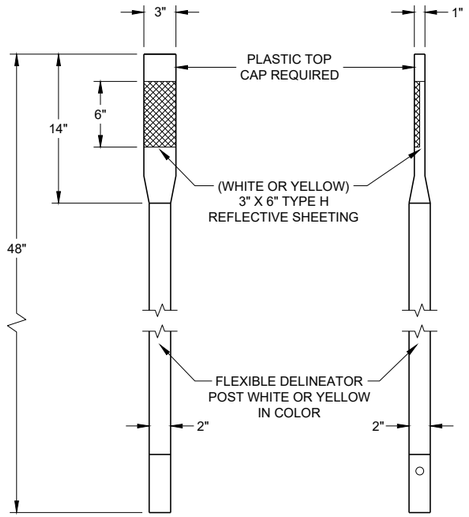
DO NOT USE EXTRA BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

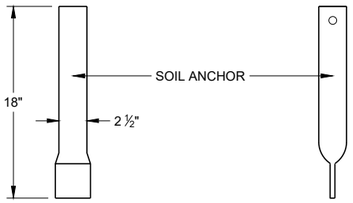
STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR
458
FHWA

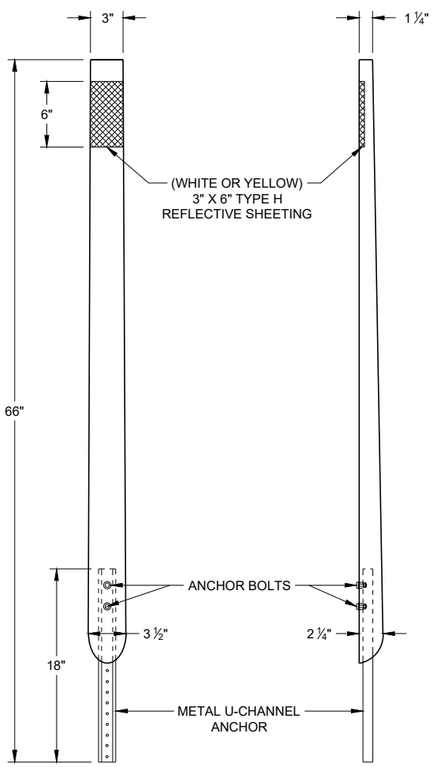
6
S.D.D. 14 B 15-11c





FRONT VIEW SIDE VIEW

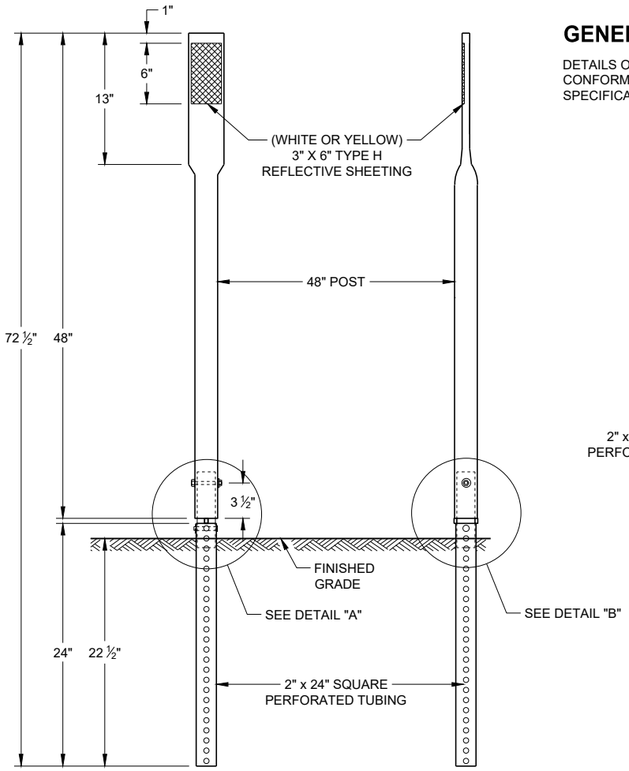
ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2

FLEXIBLE DELINEATOR POSTS

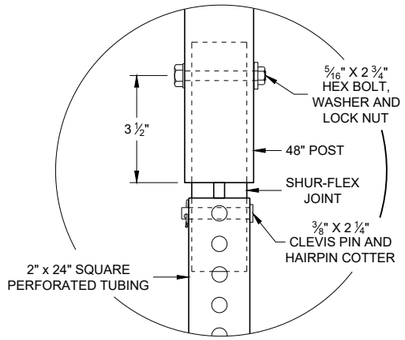


FRONT VIEW SIDE VIEW

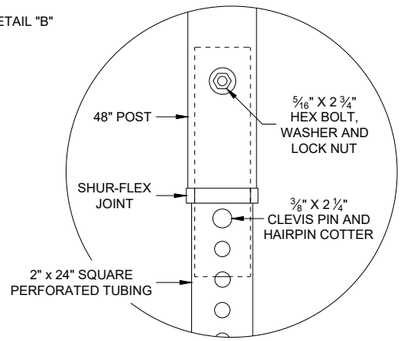
ALTERNATE 3

GENERAL NOTES

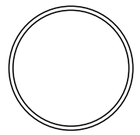
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



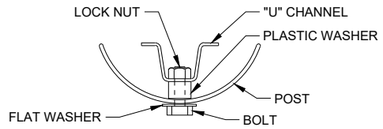
DETAIL A



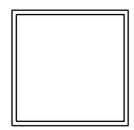
DETAIL B



SECTION A - A



SECTION B - B

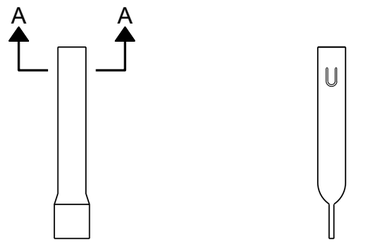


SECTION C - C

REFLECTOR SPACING TABLE

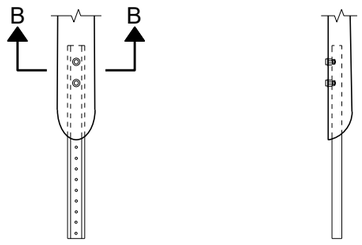
REFLECTOR SPACING	LOCATION
* 100' C-C	RAMPS
400' C-C	MAINLINE

* START AT BEGINNING OF RAMP TAPER AND END AT END OF RAMP TAPER



FRONT VIEW SIDE VIEW

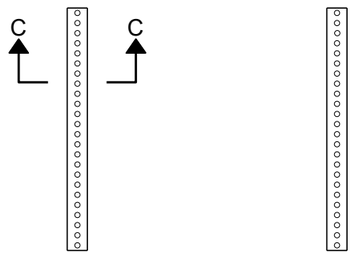
ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2

FLEXIBLE MARKER POST ANCHORS



FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE DELINEATOR POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2019
DATE

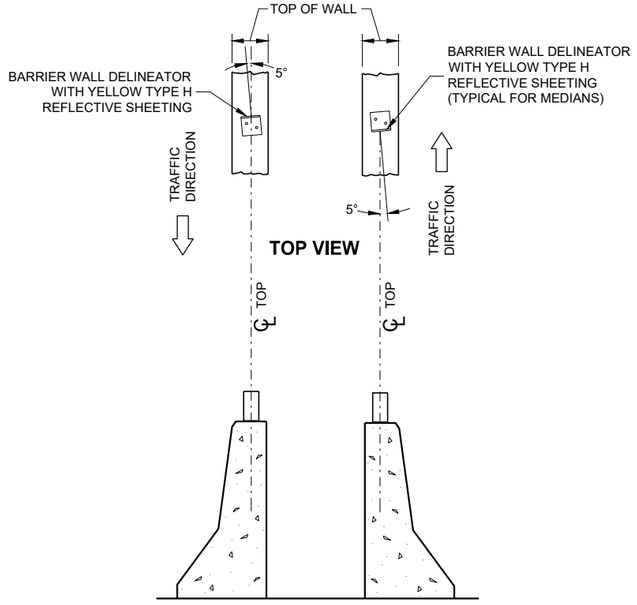
/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

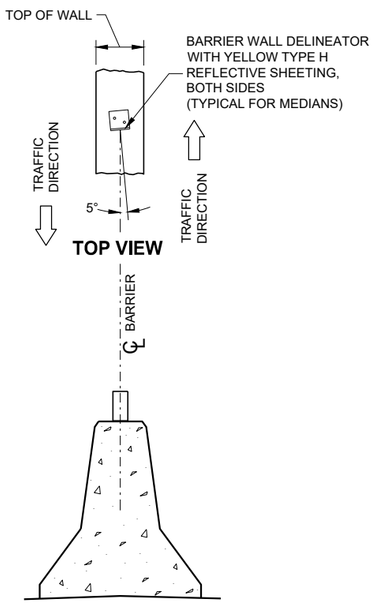
SDD 15A04 - 05a

6

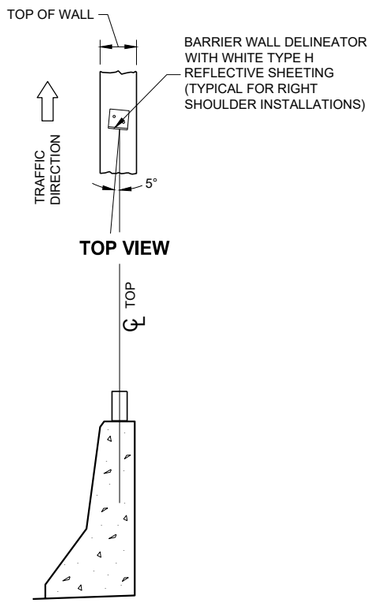
SDD 15A04 - 05a



SIDE VIEW
DOUBLE BARRIERS IN MEDIAN

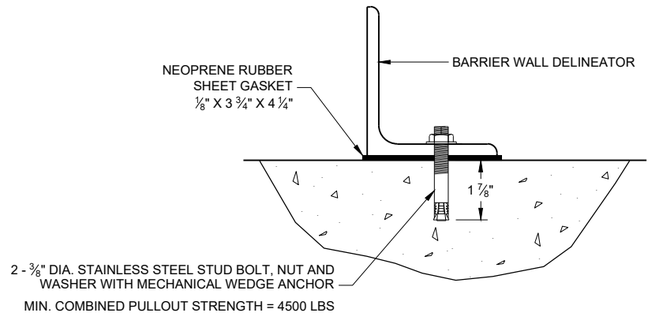


SIDE VIEW
MEDIAN BARRIER

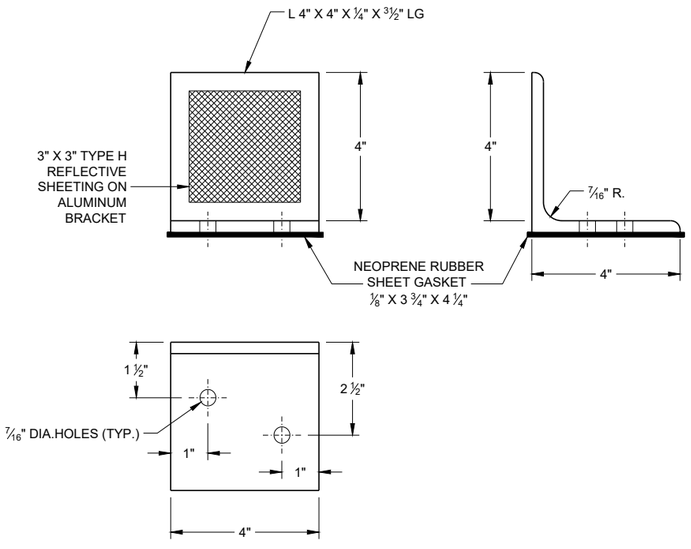


SIDE VIEW
TO RIGHT OF TRAFFIC FLOW

LOCATION AND AIMING DETAILS FOR BARRIER WALL DELINEATOR MOUNTED ON CONCRETE BARRIERS



BARRIER WALL DELINEATOR MOUNTING DETAIL



BARRIER WALL DELINEATOR

REFLECTOR SPACING TABLE

REFLECTOR SPACING	MINIMUM NUMBER OF REFLECTORS
100' C-C	3

BARRIER WALL DELINEATOR WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER
FHWA

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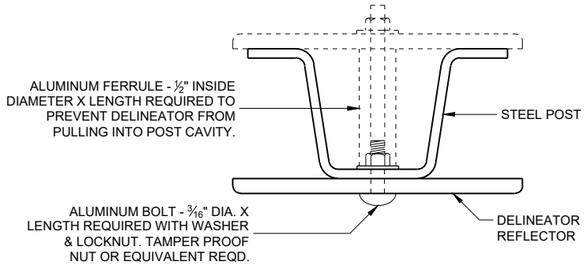
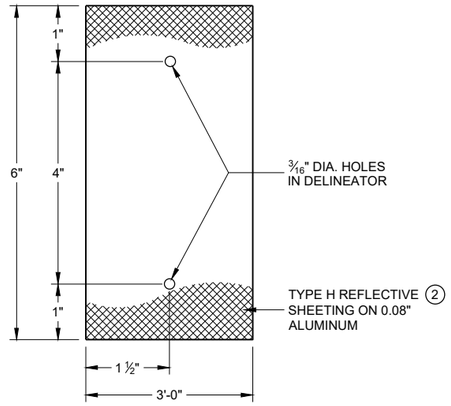
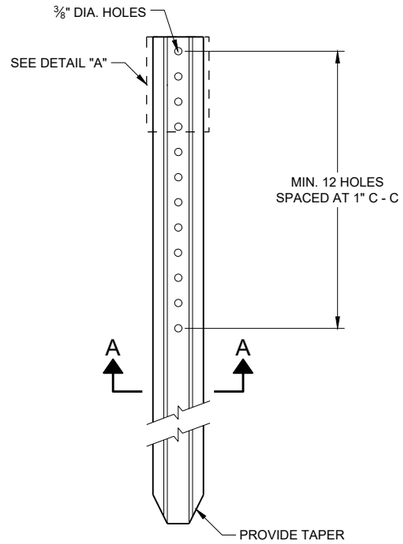
SDD 15A04 - 05b



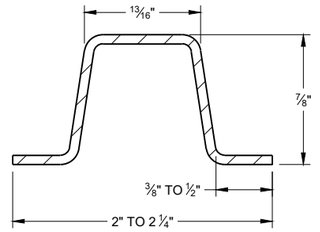
MOUNTING DETAIL FOR DELINEATOR REFLECTOR



DETAIL "A" 3" X 6" DELINEATOR REFLECTOR



DELINEATOR POST



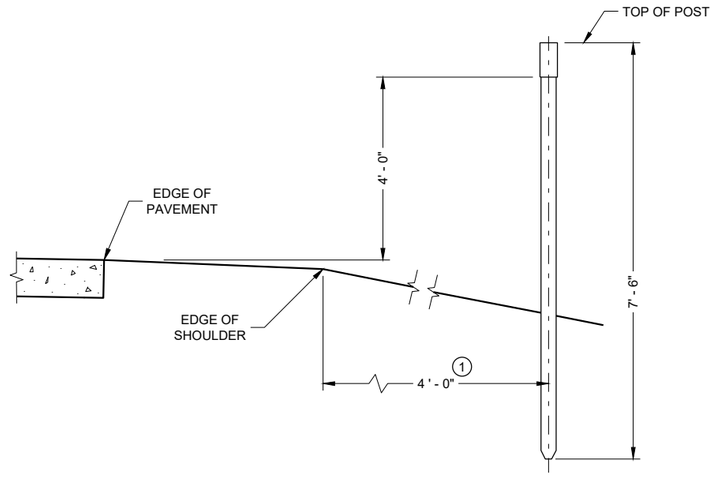
SECTION A - A

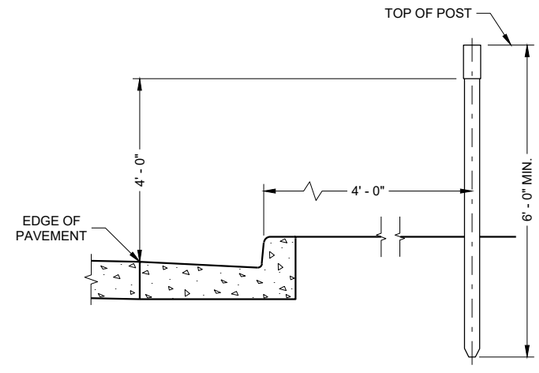
WEIGHT 1.12 LBS PER FT. \ 0.1 LB.

REFLECTOR SPACING TABLE

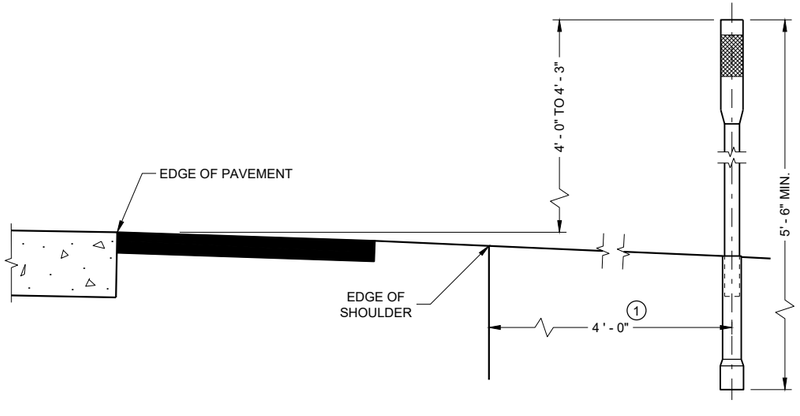
REFLECTOR SPACING	LOCATION
* 100' C-C	RAMPS
400' C-C	MAINLINE

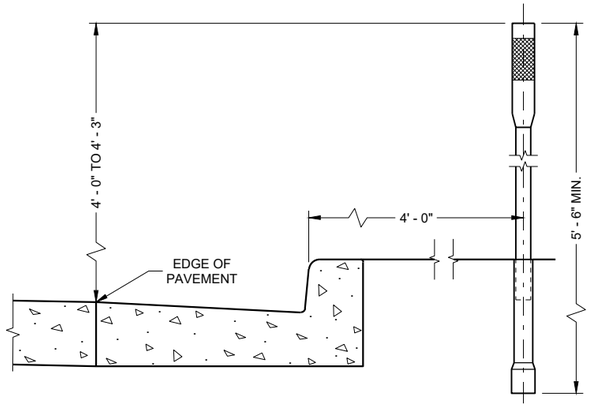
* START AT BEGINNING OF RAMP TAPER AND END AT END OF RAMP TAPER





TYPICAL INSTALLATIONS OF DELINEATOR POSTS





TYPICAL INSTALLATIONS OF FLEXIBLE DELINEATOR POSTS

GENERAL NOTES

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

1. DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION.
2. FURNISH TYPE H SHEETING FROM THE APPROVED PRODUCTS LIST.

DELINEATOR POST WITH REFLECTIVE SHEETING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

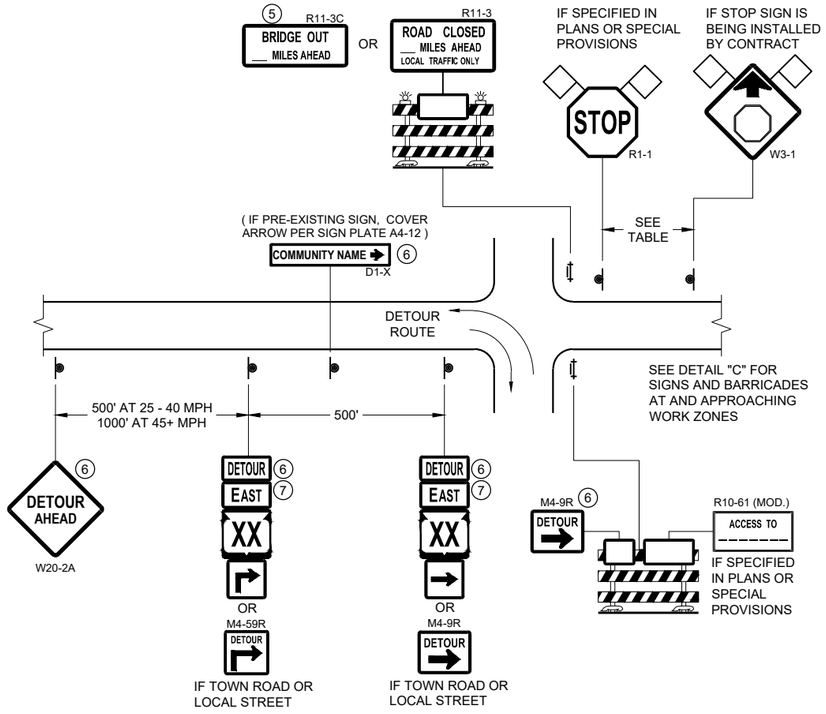
FHWA

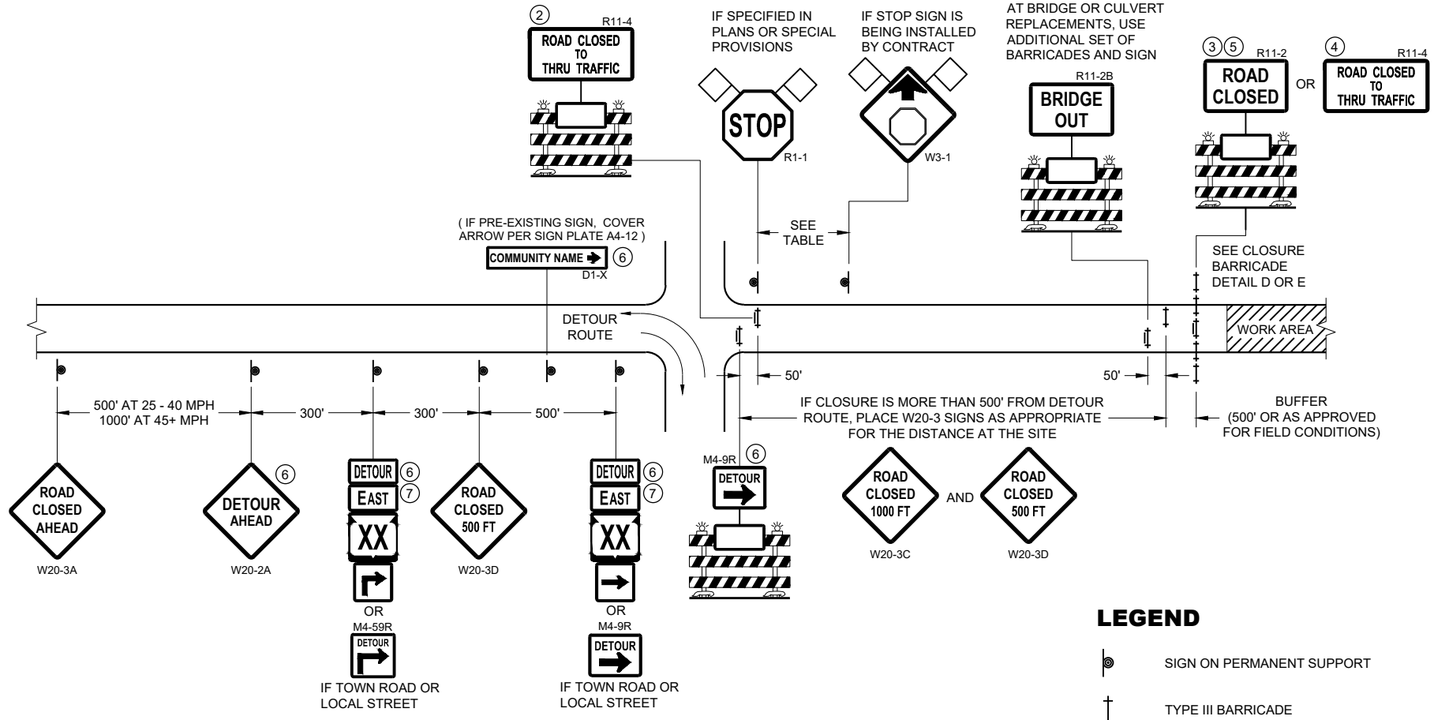
6

SDD 15A04 - 05c

6

SDD 15A04 - 05c



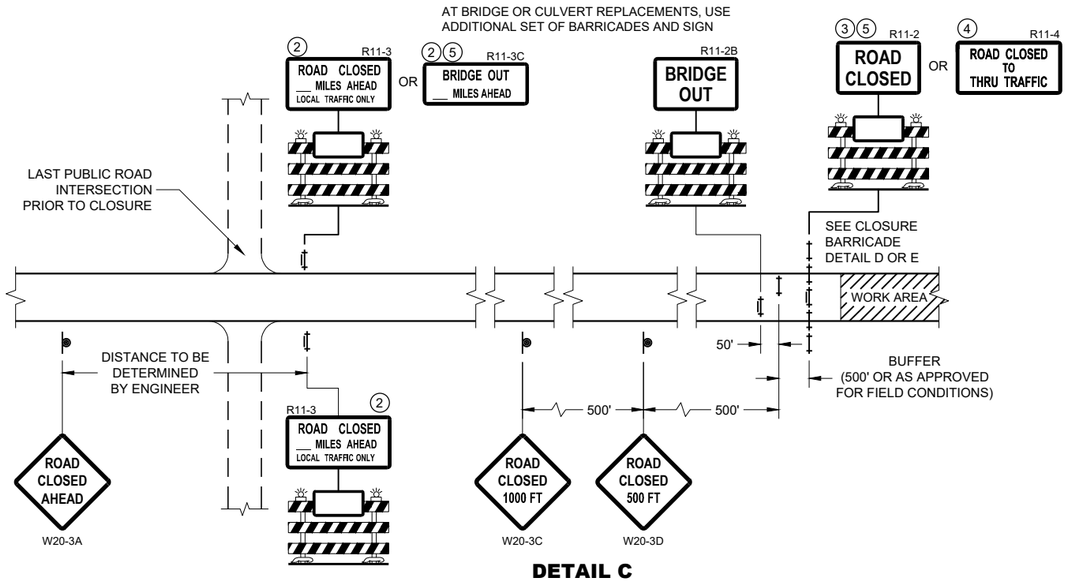


DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

DETOUR M4 - 8
EAST M3 - X
XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A
M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

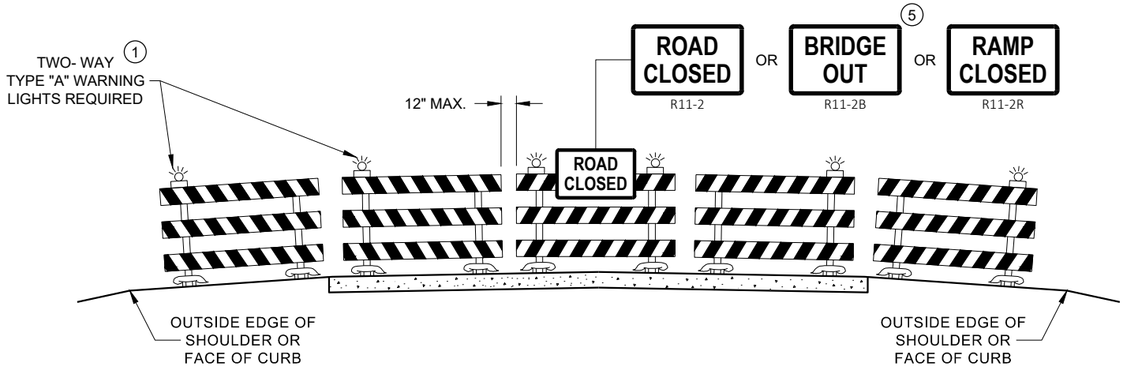
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

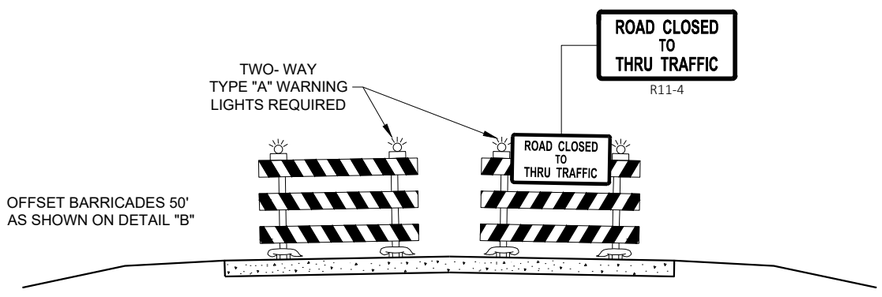
FHWA

6

SDD 15C02 - 08a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

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SDD 15C02 - 08b

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SDD 15C02 - 08b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

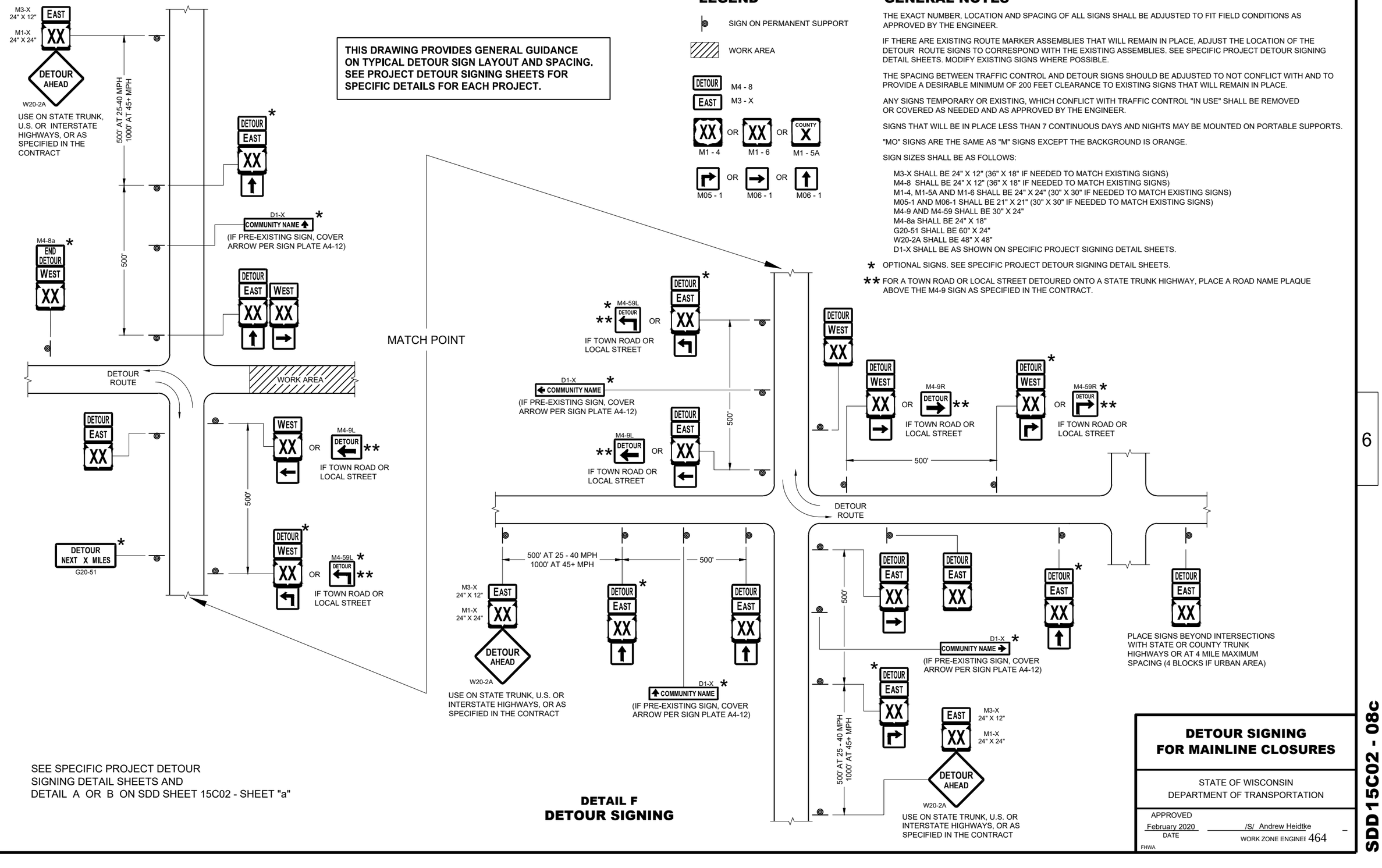
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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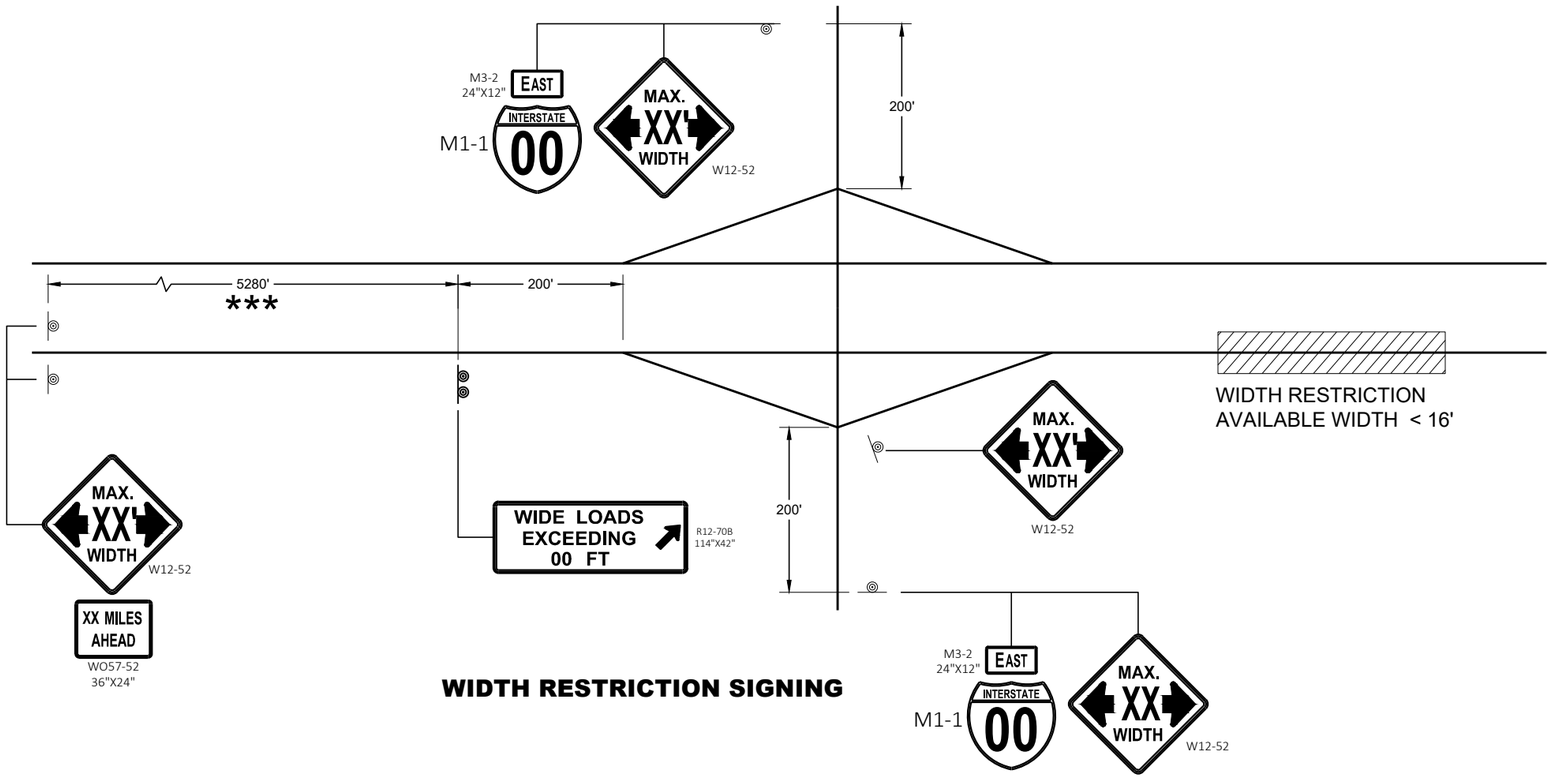
SDD 15C02 - 08c

SDD 15C02 - 08c



WIDTH RESTRICTION SIGNING

LEGEND

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL " IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

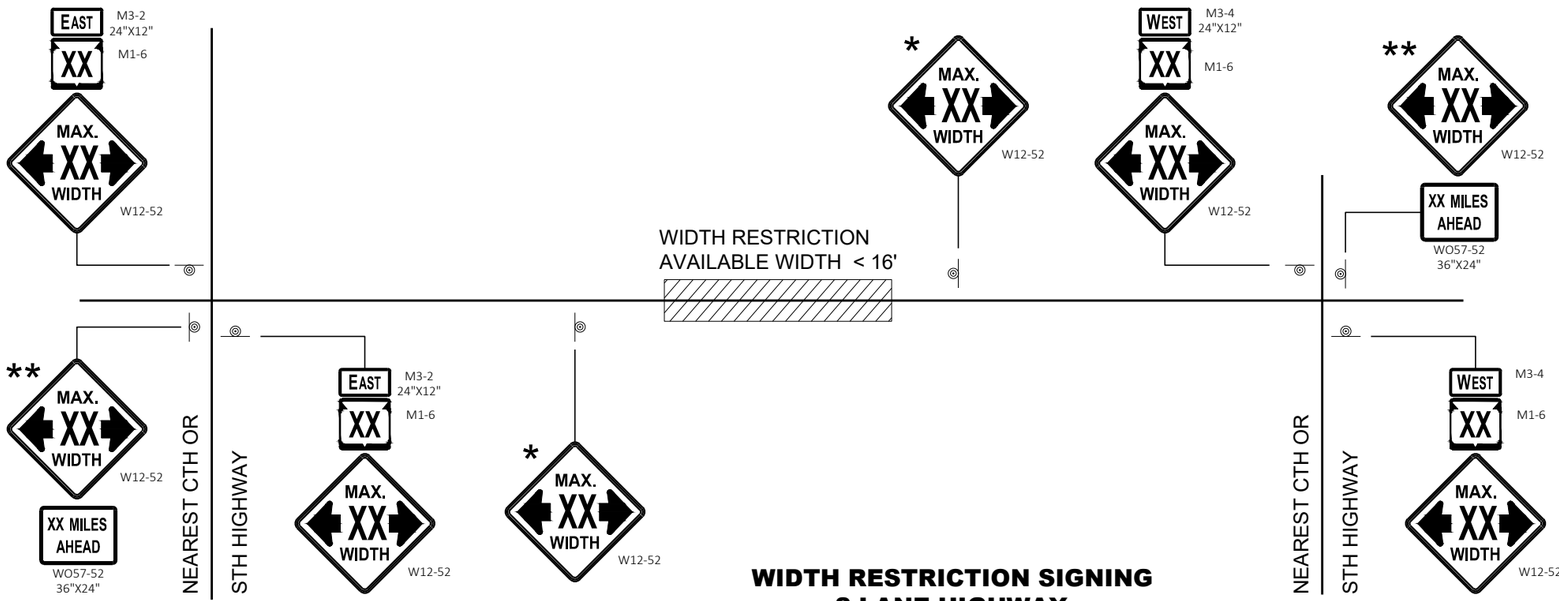
WIDTH ON SIGN TO BE APPROXIMATELY ONE FOOT LESS THAN AVAILABLE WIDTH.

* PLACE 500 FEET BEFORE THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** SIGN SHALL BE VISIBLE FROM ROADWAY.

*** ADDITIONAL SIGNS NEEDED IF THERE IS AN ON RAMP BETWEEN SIGNS.

WIDTH ON SIGN TO BE APPROX. 1 - FOOT LESS THAN AVAILABLE WIDTH



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 465

FHWA

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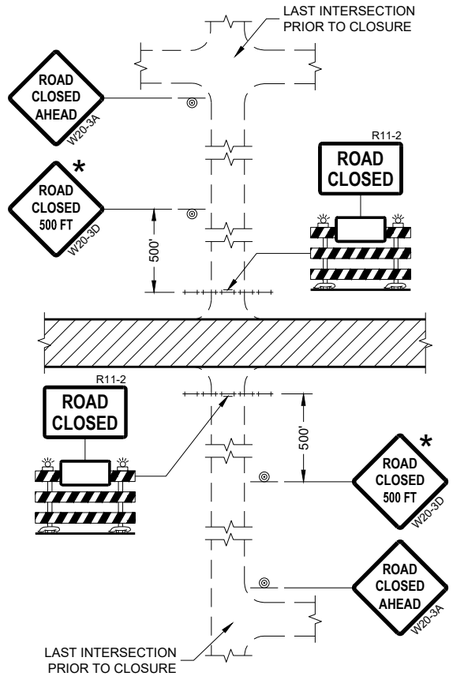
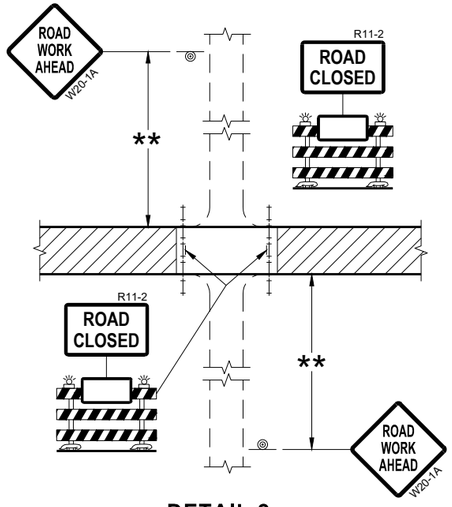
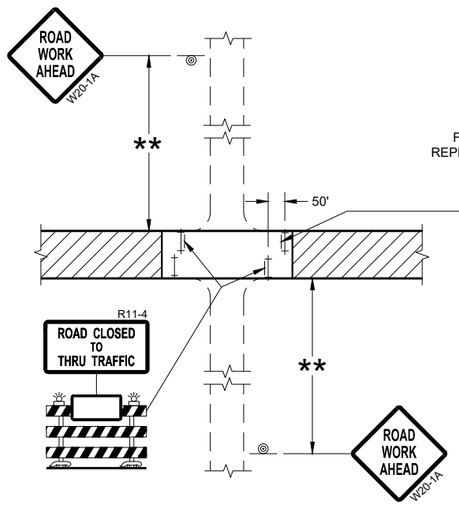
SDD 15C02 - 08f



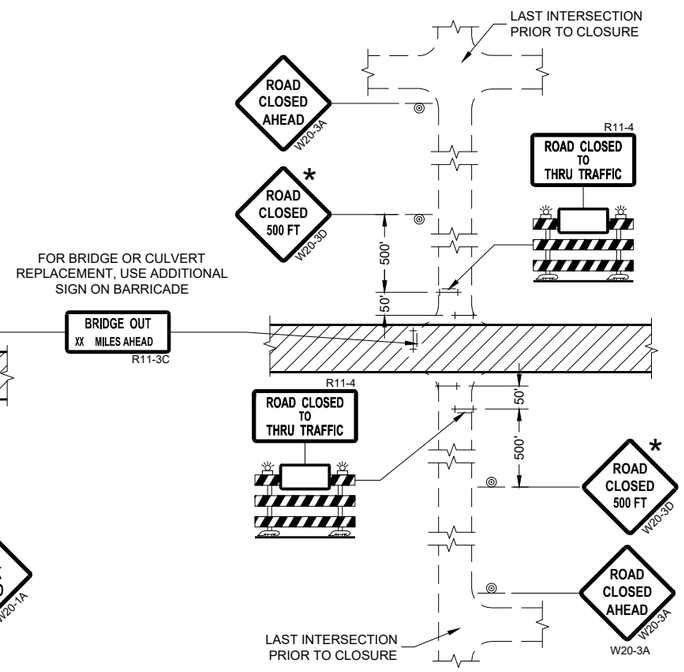
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C03 - 05

6

SDD 15C03 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

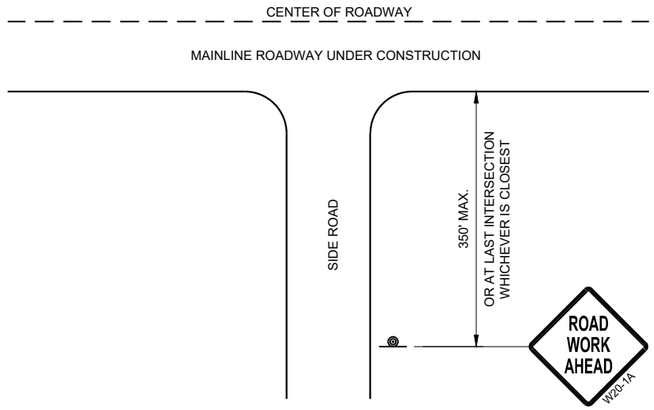
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



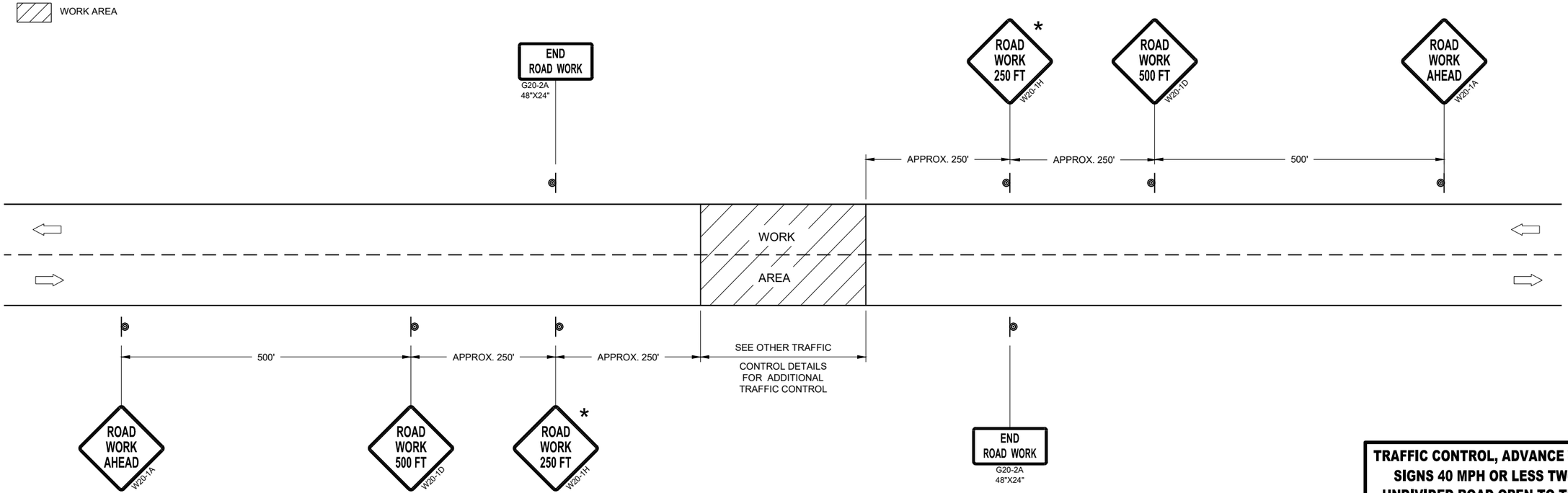
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFICE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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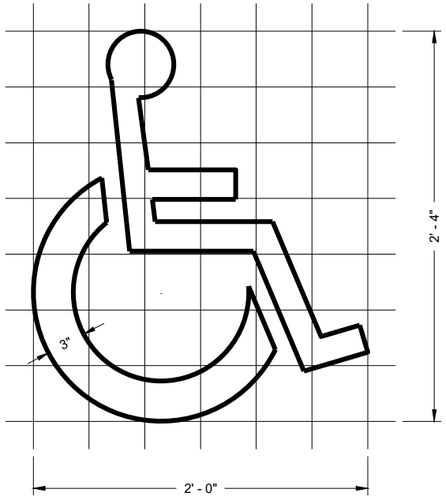
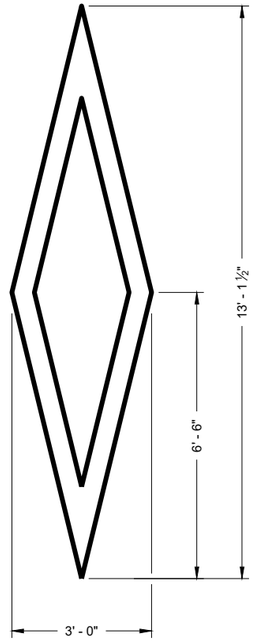
SDD 15C05 - 05

GENERAL NOTES

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



HANDICAP SYMBOL



PREFERENTIAL LANE SYMBOL

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SDD 15C07 - 15a

SDD 15C07 - 15a

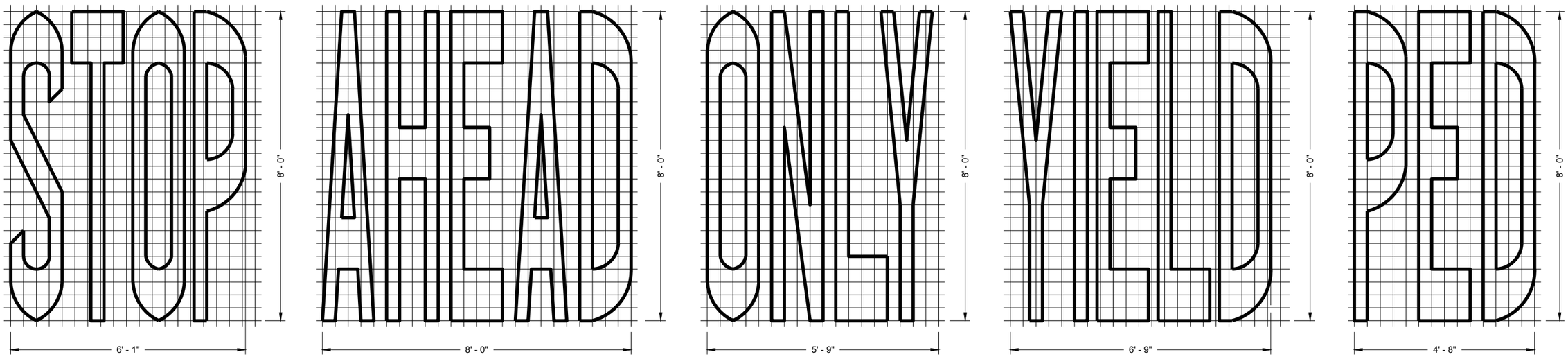
PAVEMENT MARKING SYMBOLS

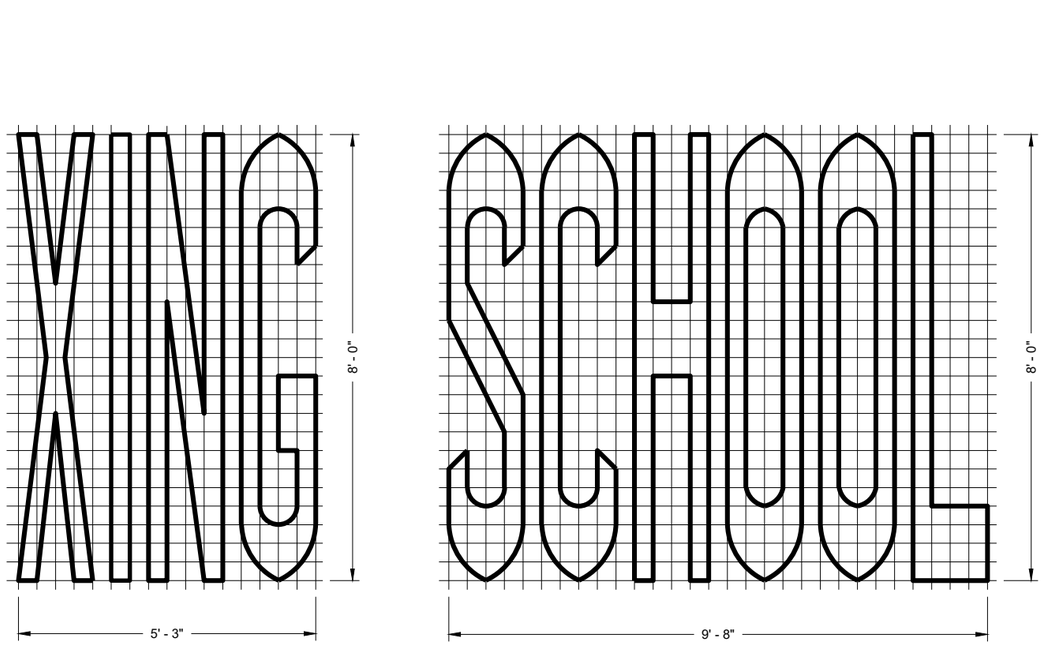
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

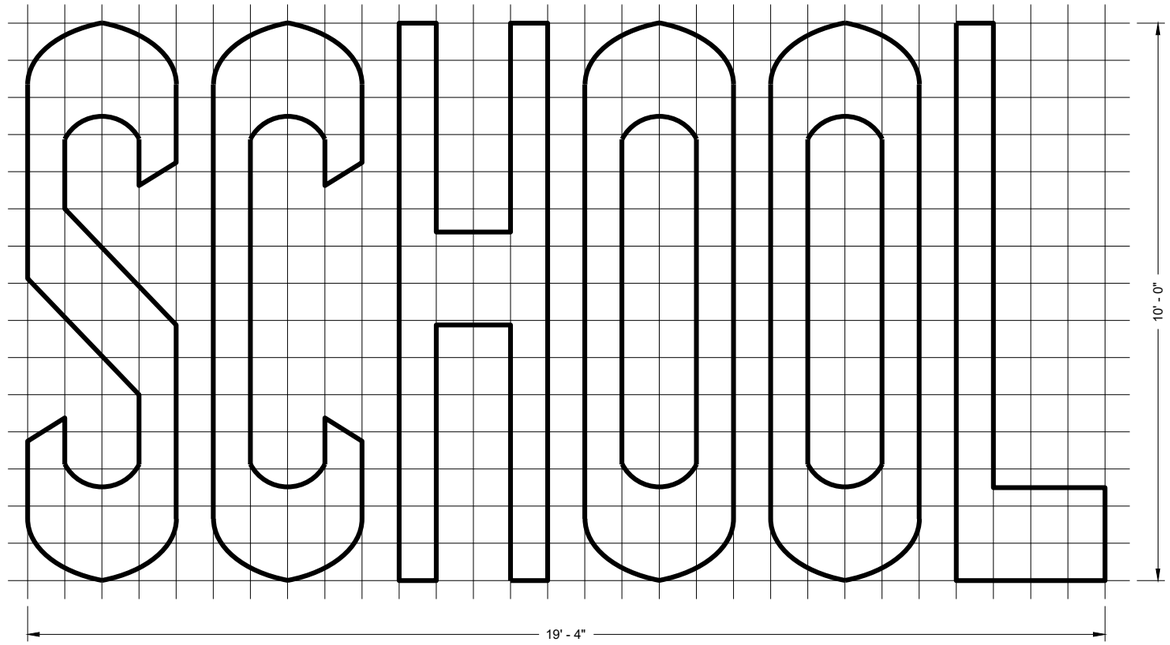
/S/ Matthew Rauch
STATE SIGNING AND MAR ENGINEER

FHWA





SINGLE LANE



TWO - LANE

GENERAL NOTES

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

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

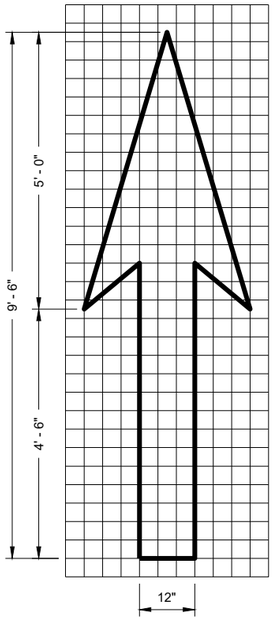
FHWA

6

SDD 15C07 - 15b

GENERAL NOTES

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



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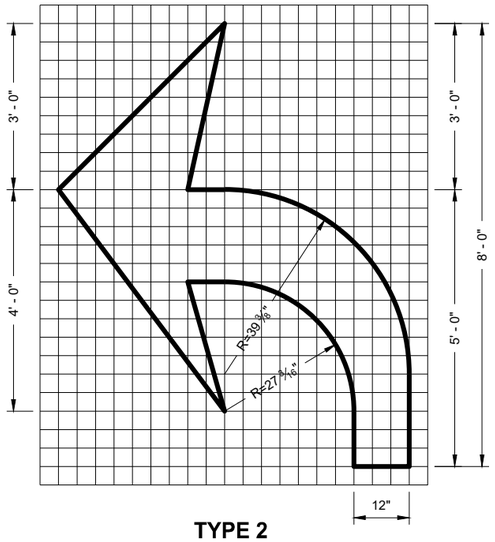

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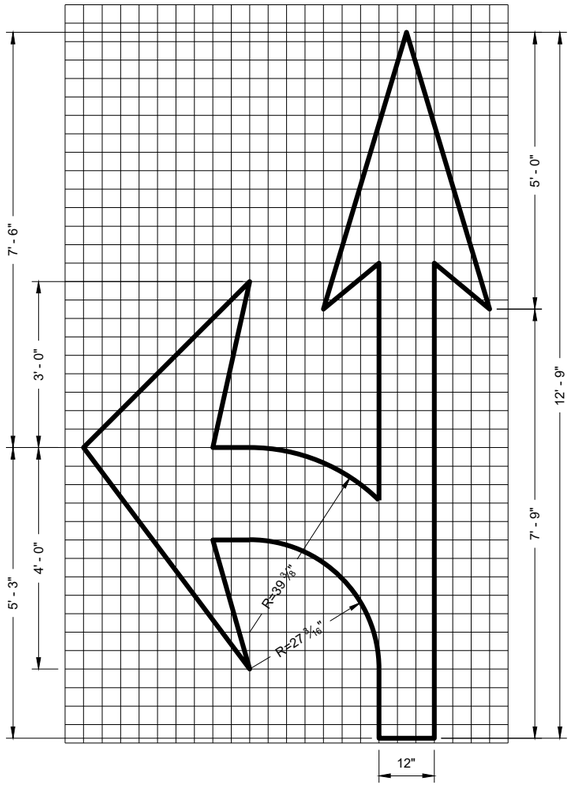
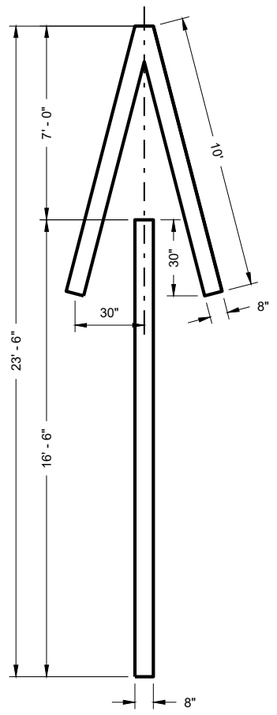


TYPE 3



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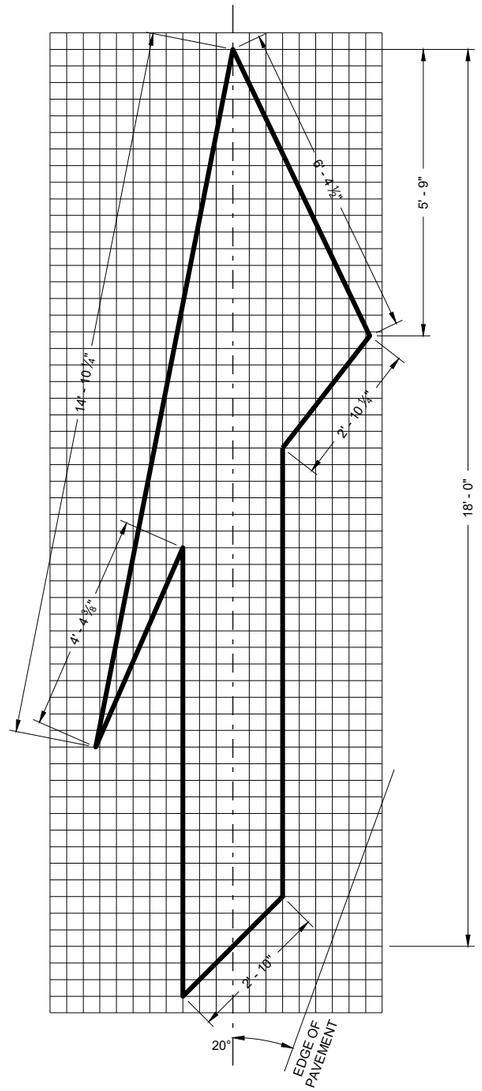
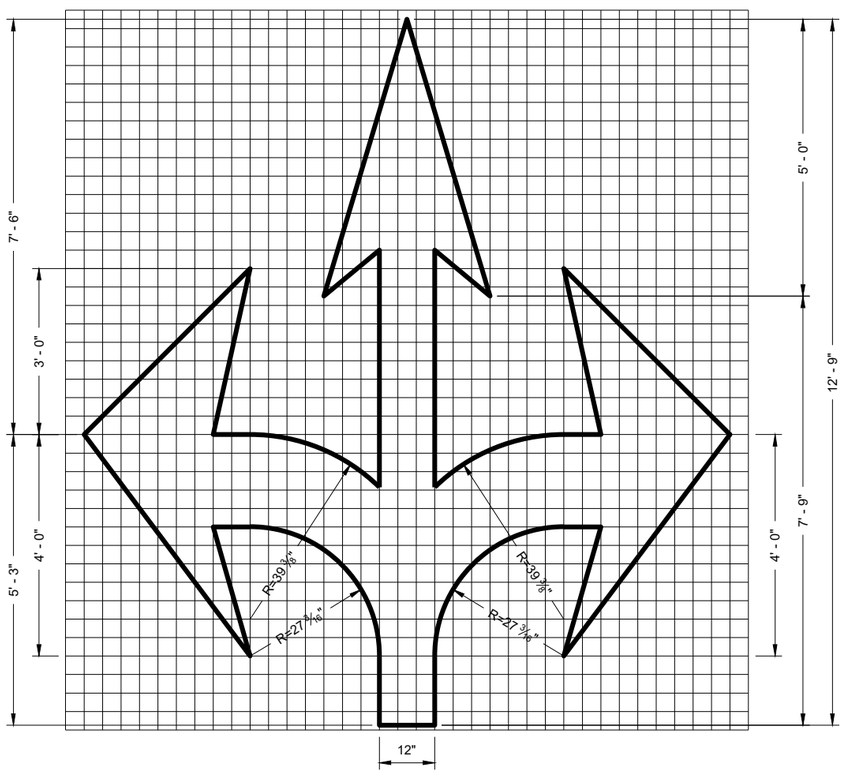
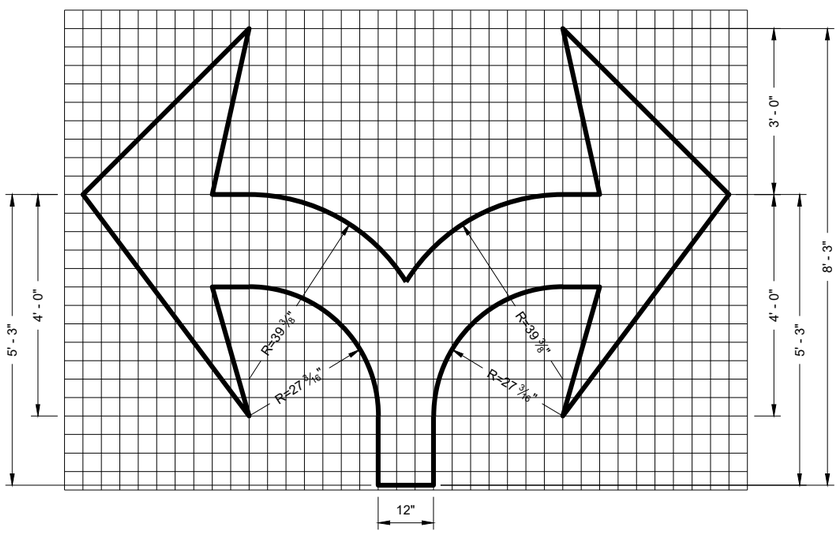


TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

470

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SDD 15C07 - 15c

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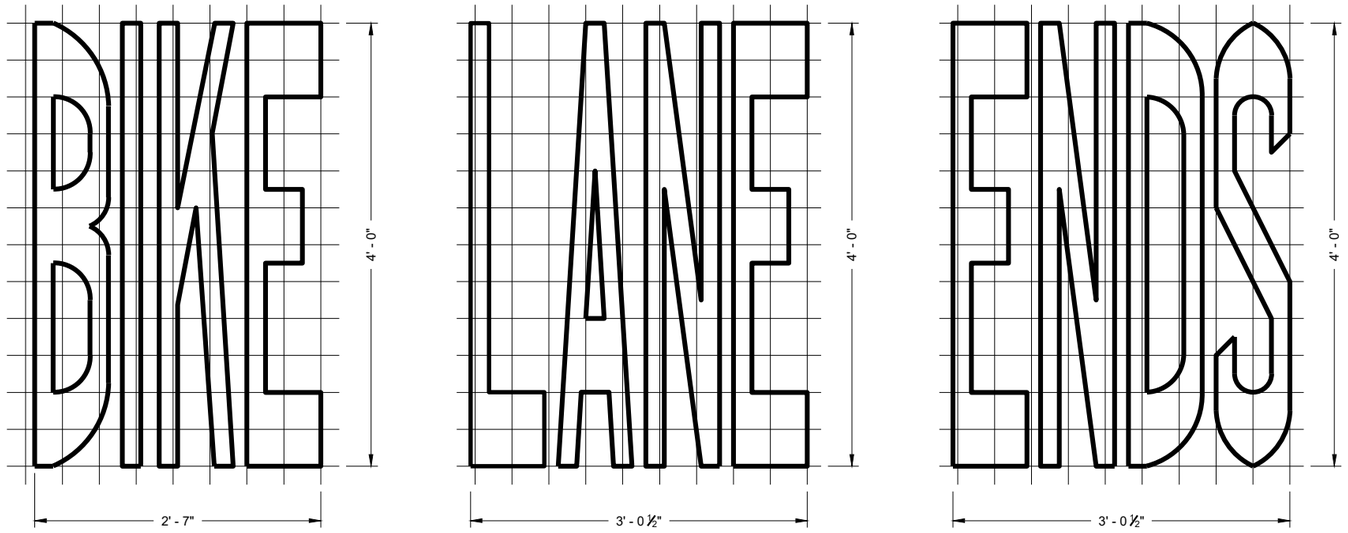
SDD 15C07 - 15c

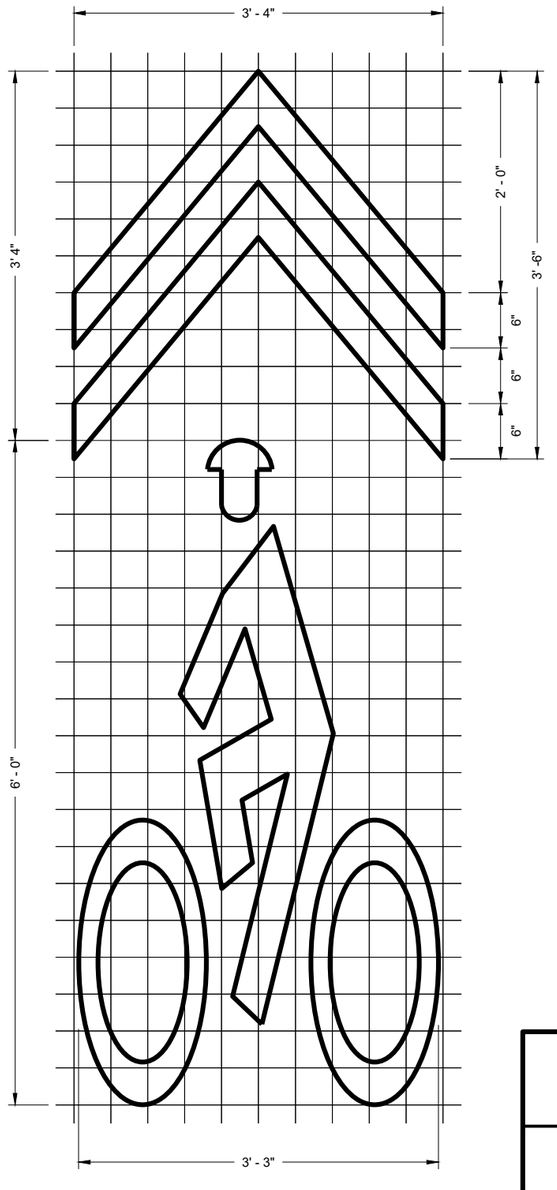
SDD 15C7-e Pavement Marking For Bike Lanes

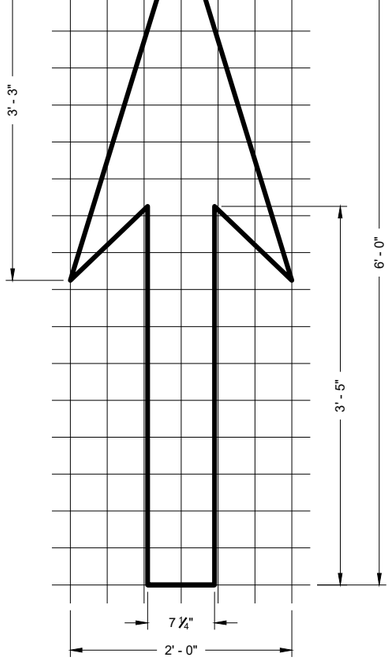


BIKE LANE WORDS

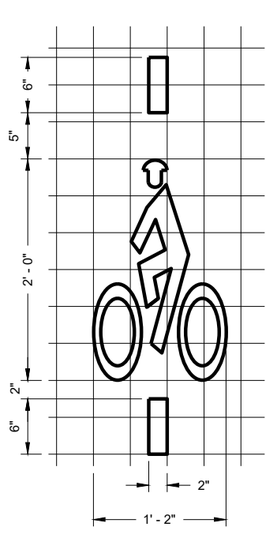
GENERAL NOTES

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

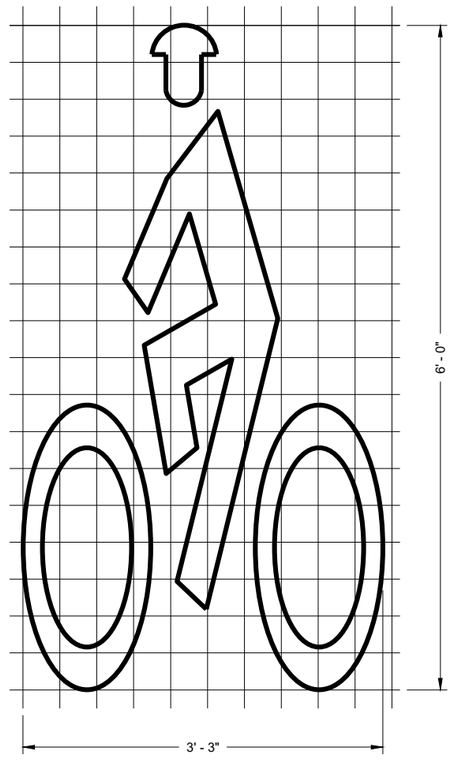




BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING



BIKE LANE SYMBOL

BIKE LANE SYMBOL FOR SHARED LANE

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

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SDD 15C07 - 15e

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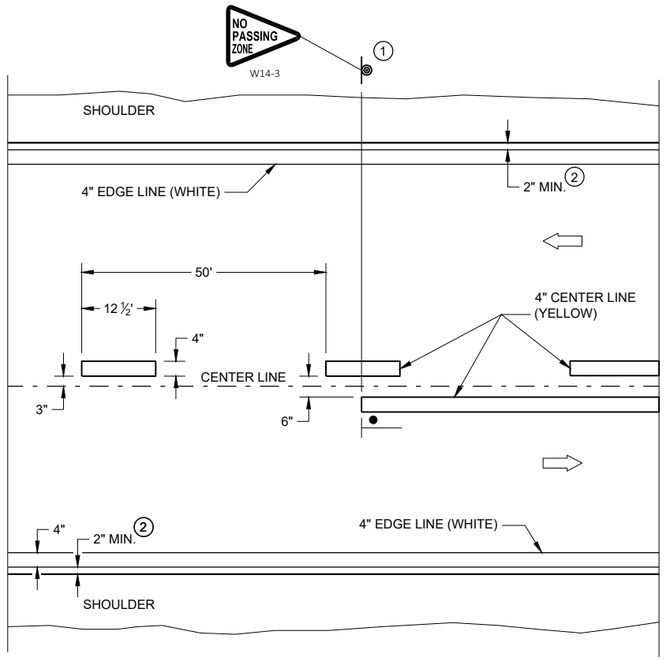
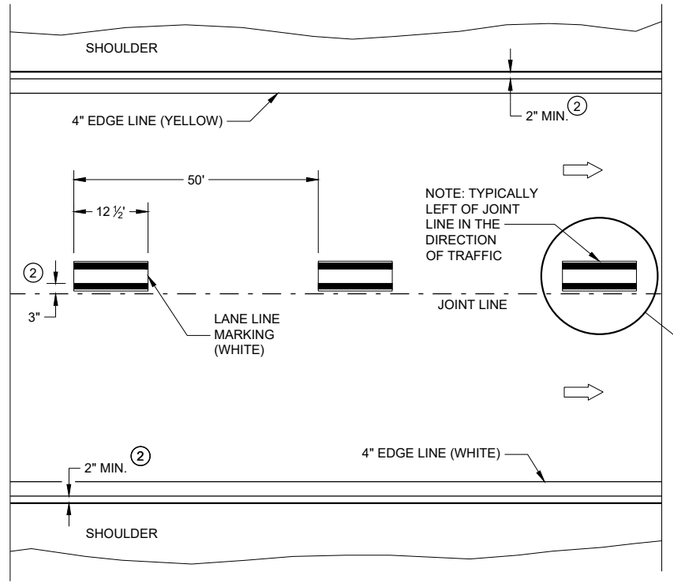
SDD15C07 - 15e

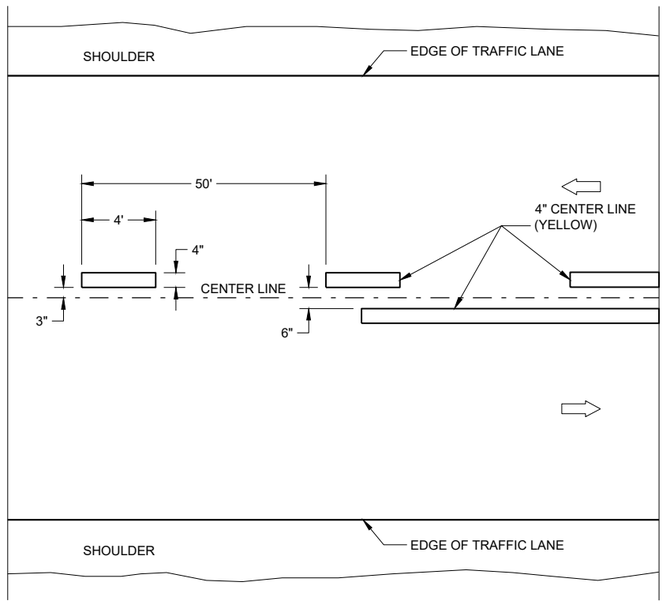


TWO WAY TRAFFIC

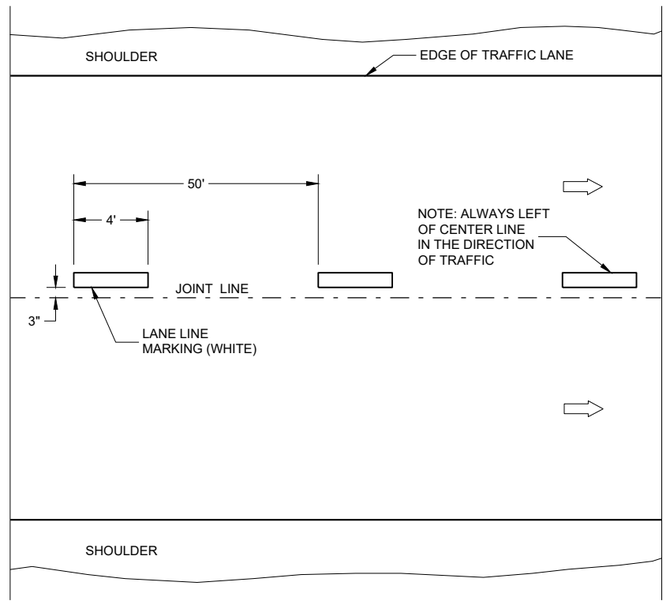


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

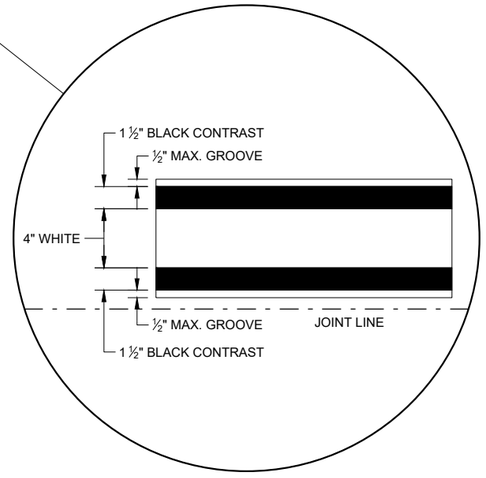
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITH 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Matthew Rauch
STATEWIDE SIGNING AND M
ENGINEER

FHWA

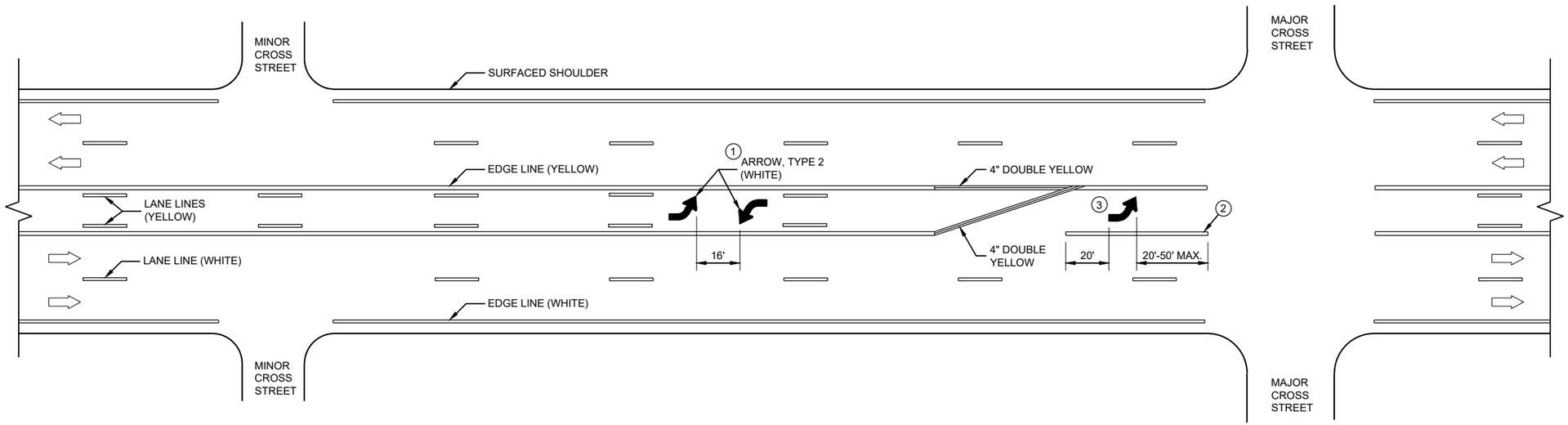
SDD 15C08 - 20a

SDD 15C08 - 20a

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 8" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

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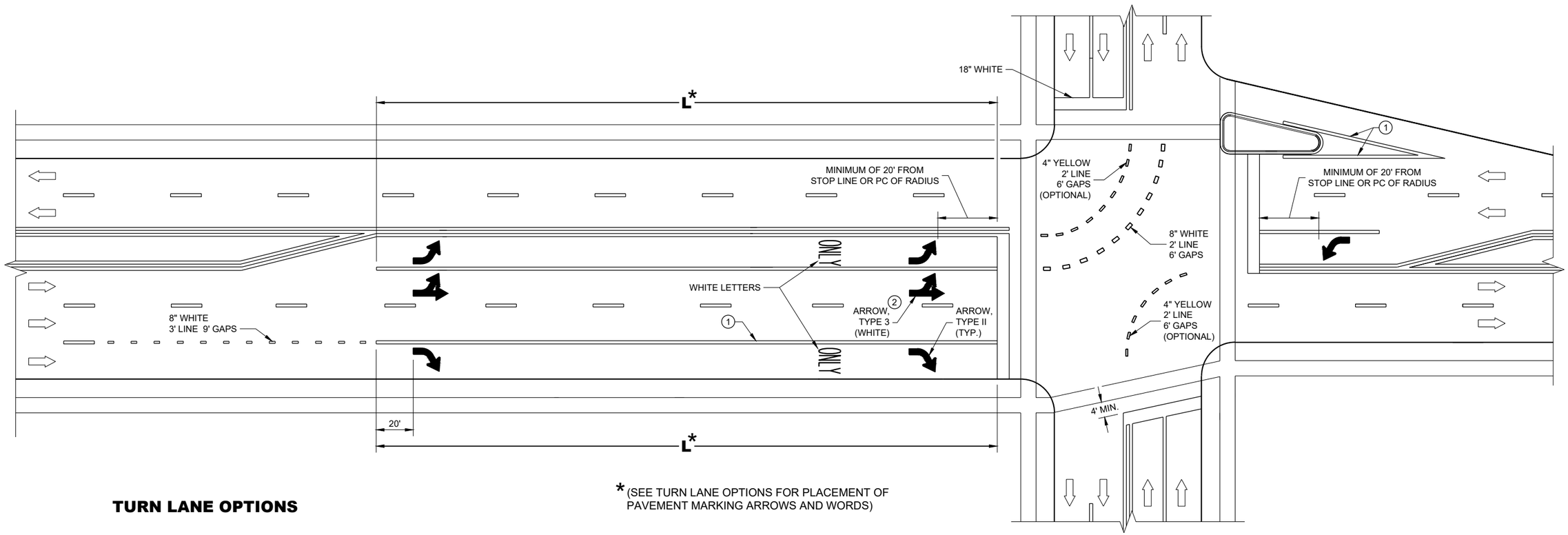
SDD 15C08 - 20b

SDD 15C08 - 20b

PAVEMENT MARKING (TURN LANES)

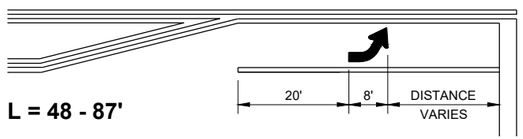
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



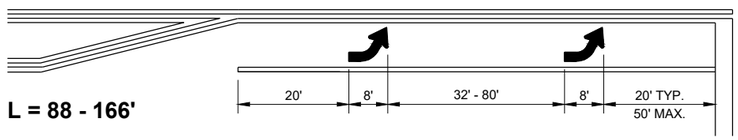
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

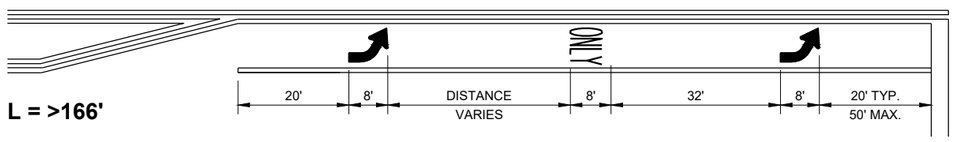
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. 8" WHITE
2. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

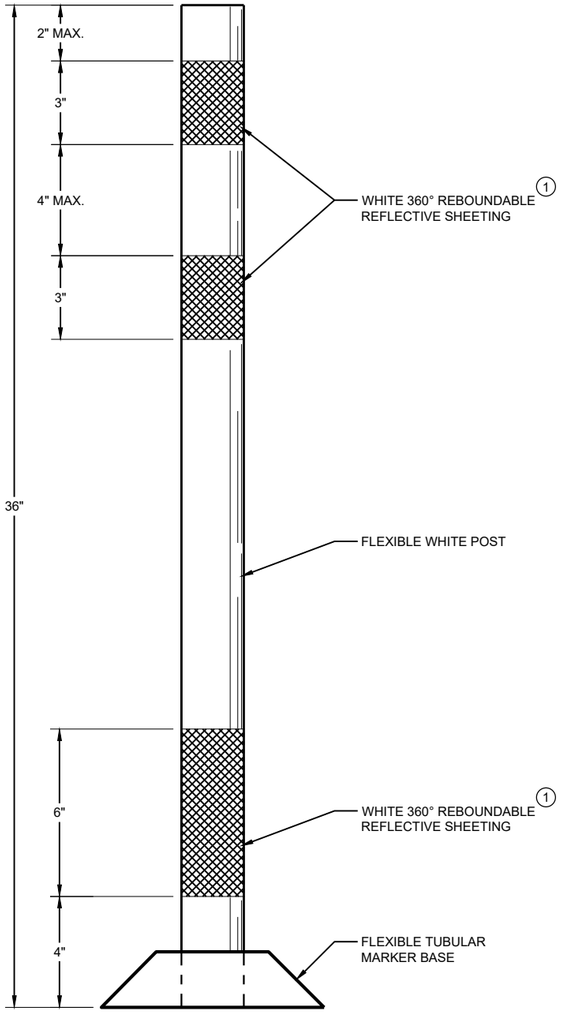
L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

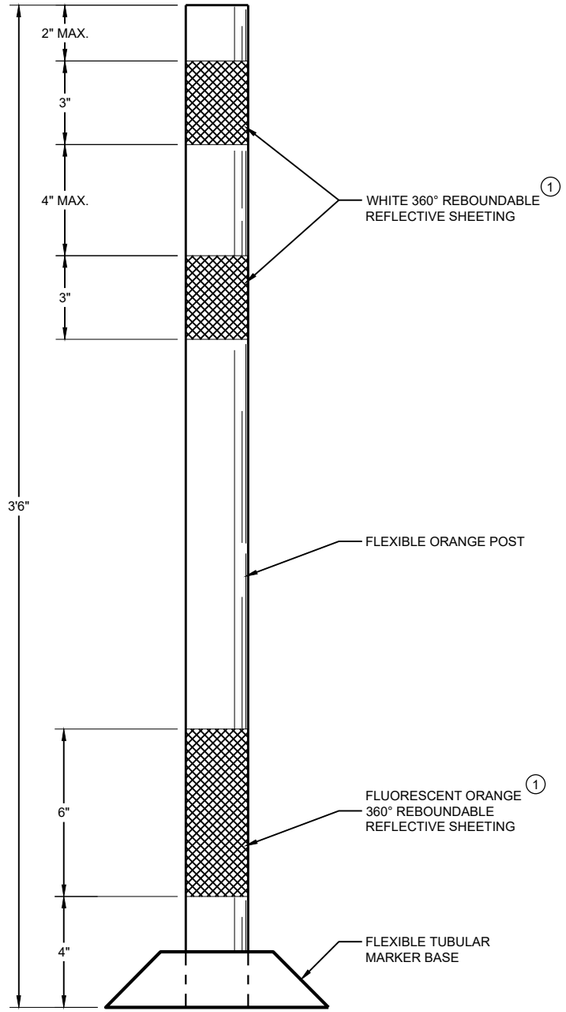
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C08 - 20c



FLEXIBLE TUBULAR MARKER POST PERMANENT CROSSOVER



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 - 07a

CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

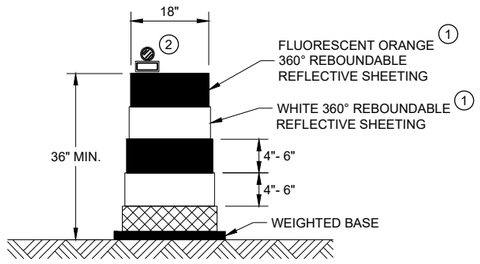
FHWA

6

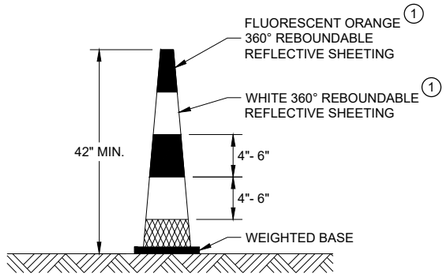
SDD 15C11 - 07a

GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.

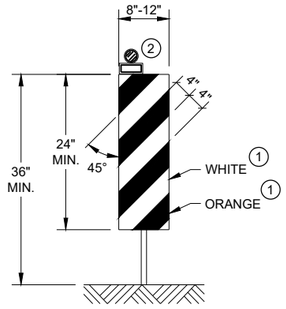


DRUM



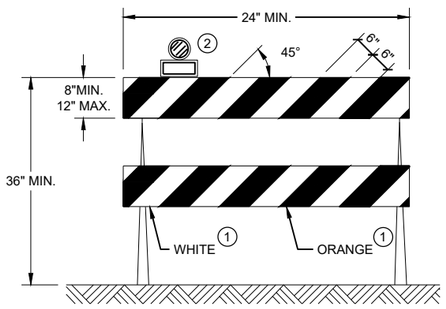
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



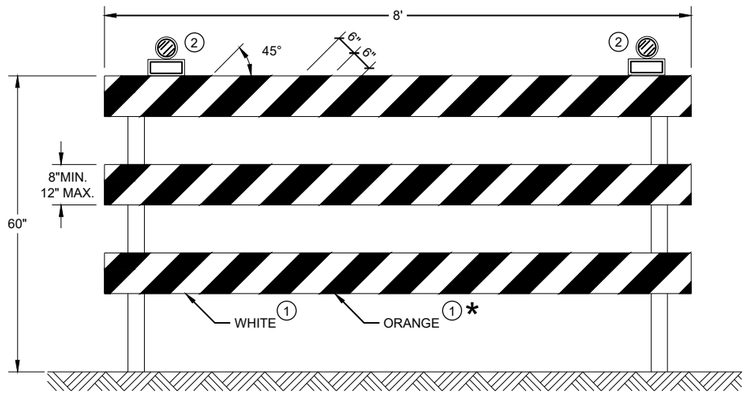
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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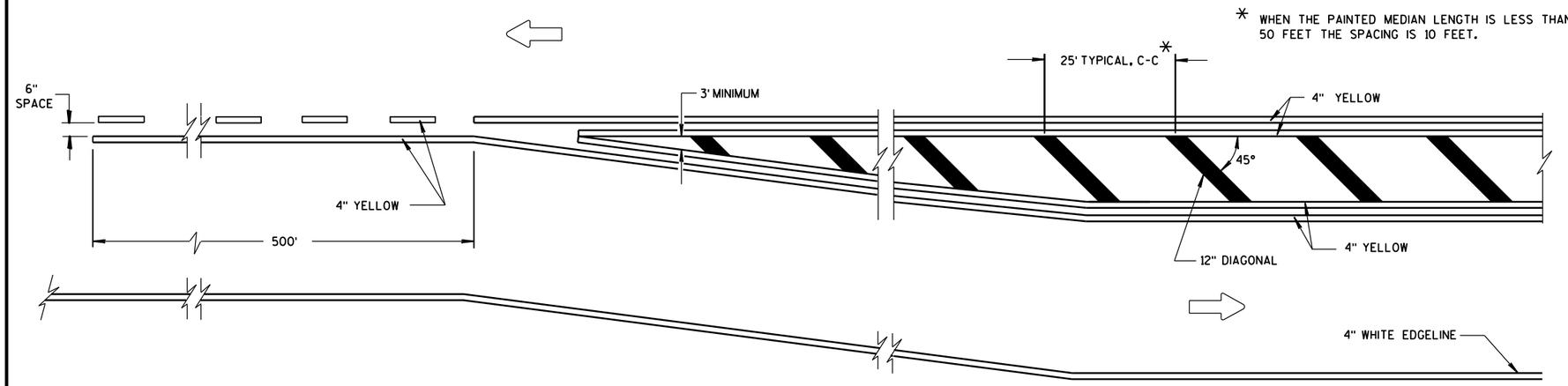
SDD 15C11 - 07b

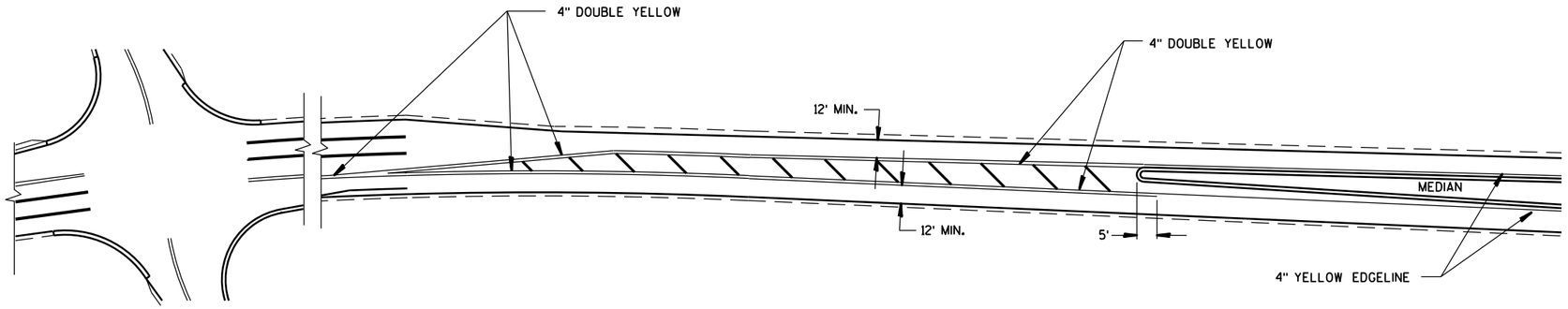


MEDIAN ISLAND DETAIL

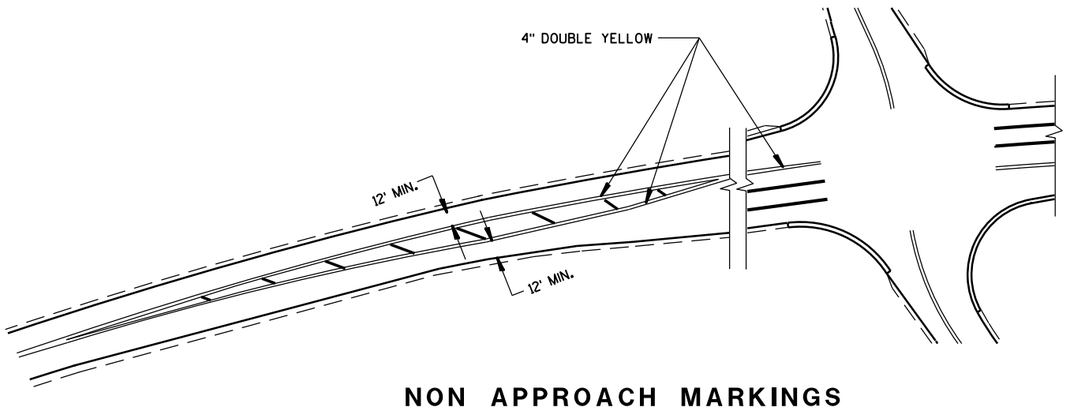
GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON APPROACH MARKINGS

MEDIAN ISLAND MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE FHWA	/S/ Matthew Rauch STATE SIGNING AND MARK 477 EER

6

S.D.D. 15 C 18-4

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S.D.D. 15 C 18-4

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.

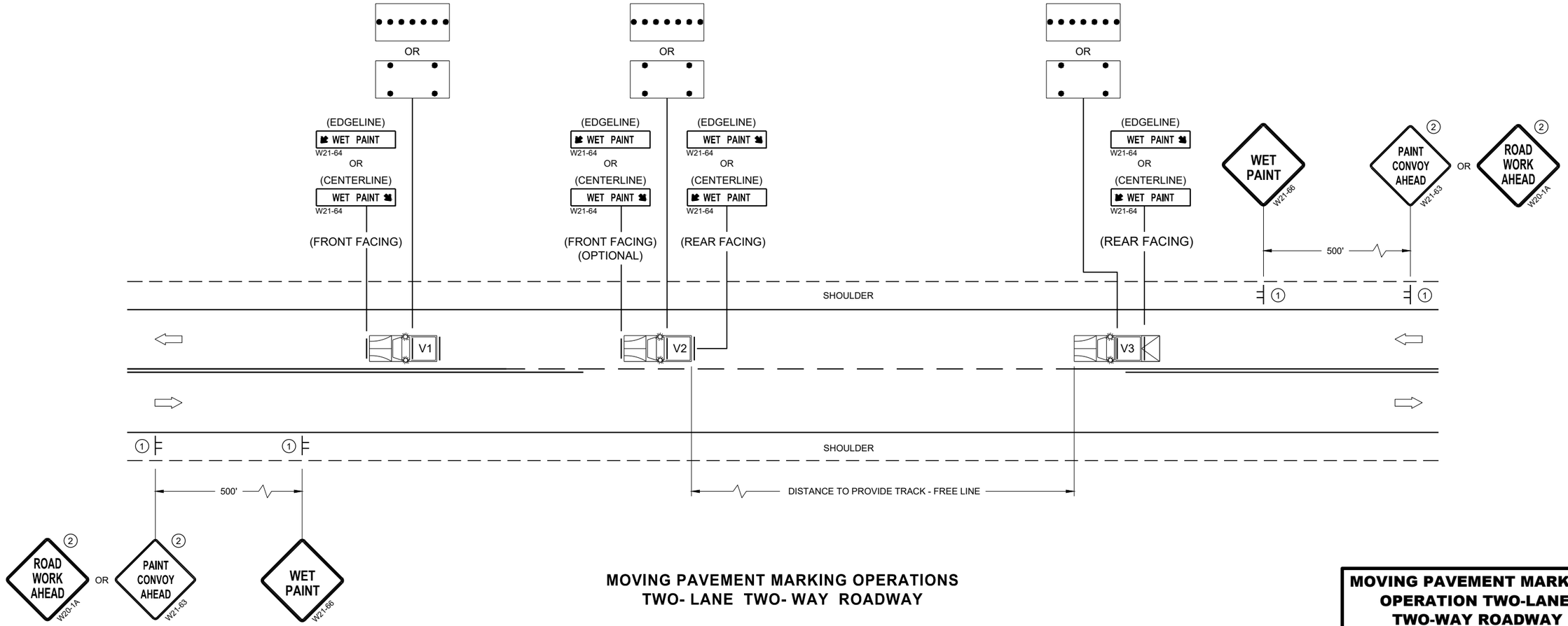
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

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 18" 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.



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
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

478

FHWA

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SDD 15C19 - 06a

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SDD 15C19 - 06a

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.

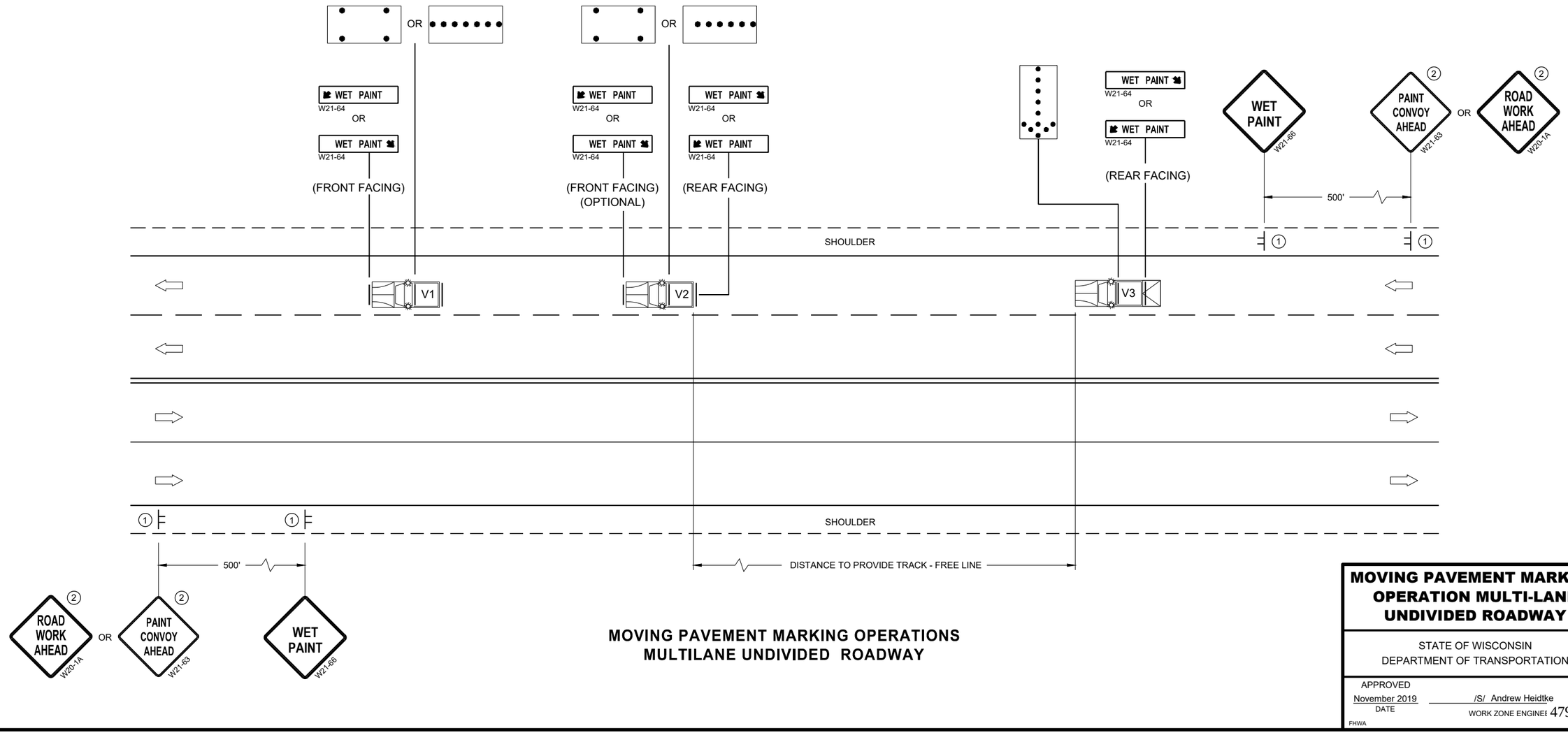
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

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 18" 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
November 2019 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

6

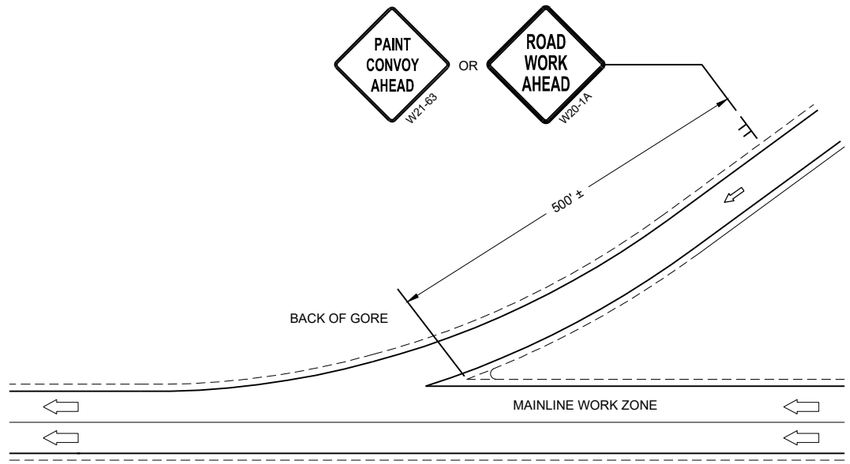
SDD 15C19 - 06b

6

SDD 15C19 - 06b

LEGEND

- V1 MARKING VEHICLE
- V2 SHADOW VEHICLE
- V3 TRAIL VEHICLE
- TRUCK MOUNTED ATTENUATOR (TMA)
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW PANEL (MERGE)
- FLASHING ARROW PANEL (CAUTION)



GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

IF THE SHOULDER IS TOO NARROW TO ACCOMMODATE THE LAST TRAILING VEHICLE, THE VEHICLE SHOULD STRADDLE THE EDGE LINE.

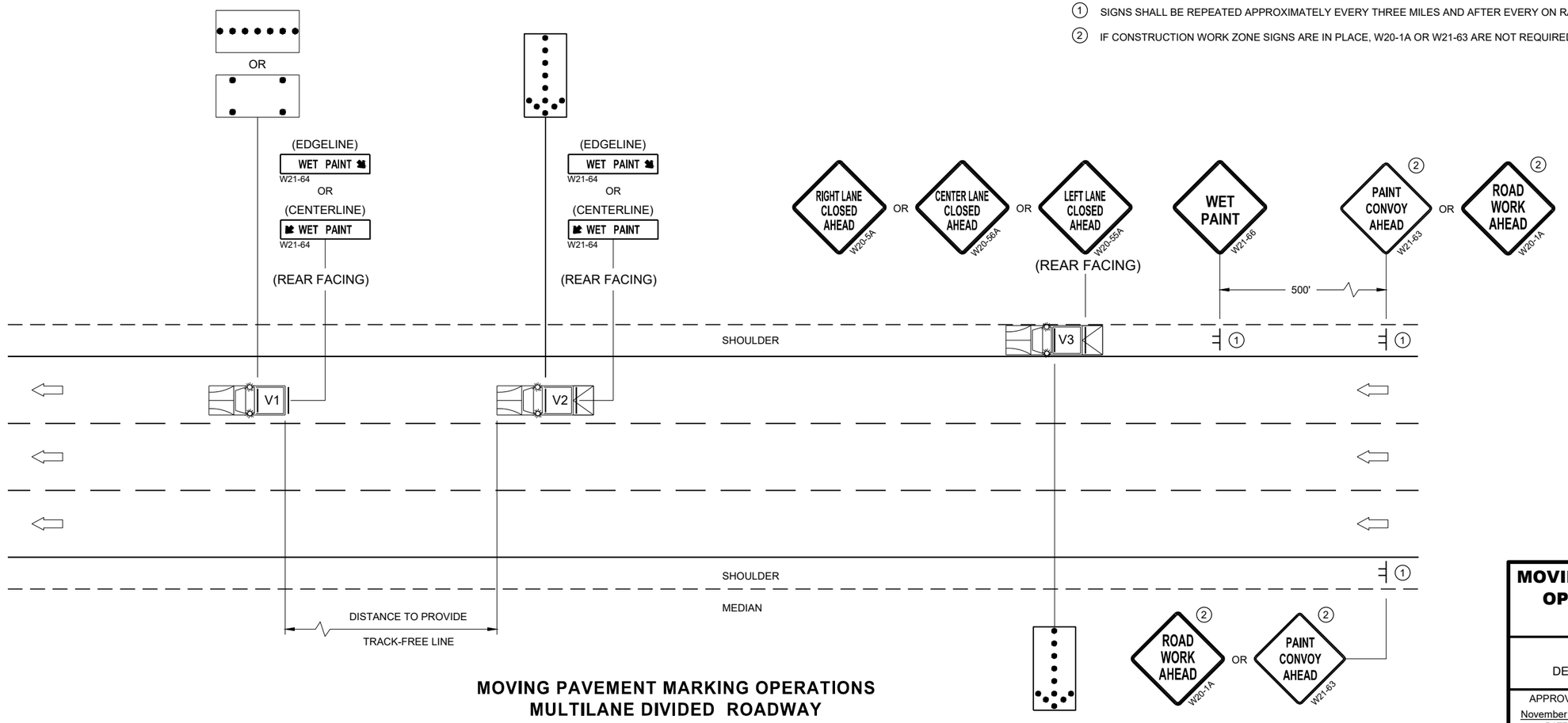
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC

CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM HEIGHT OF 18" FOR WET PAVEMENT MARKINGS

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES AND AFTER EVERY ON RAMP.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.



MOVING PAVEMENT MARKING OPERATIONS
MULTILANE DIVIDED ROADWAY

MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

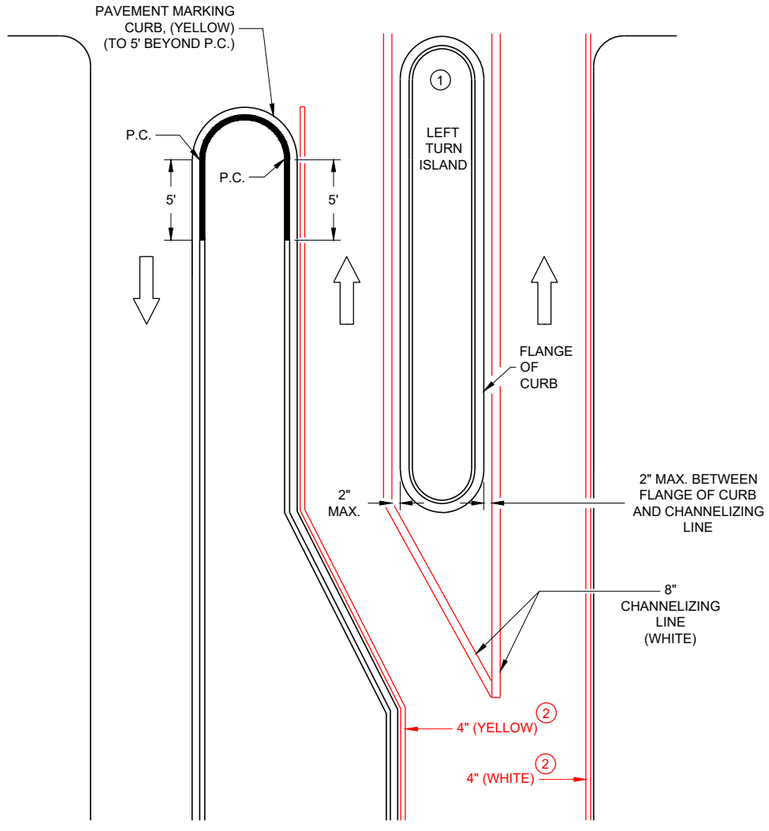
6

SDD 15C19 - 06c

6

SDD 15C19 - 06c

REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED



LEFT TURN & MEDIAN ISLAND

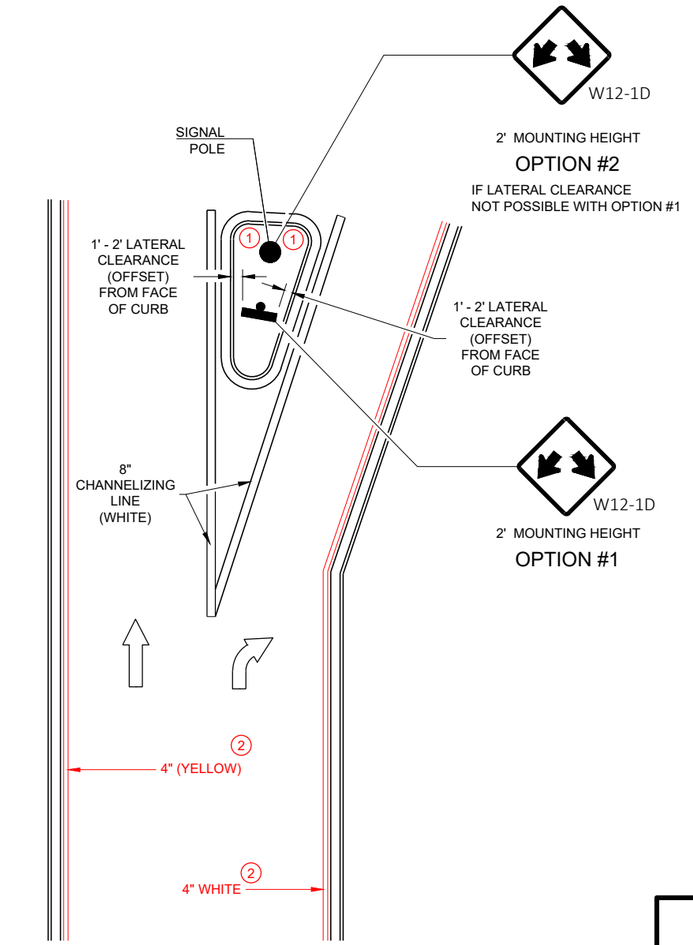
GENERAL NOTES

APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

1. MARK CURB NOSES YELLOW.
2. MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



RIGHT TURN ISLAND

DOUBLE ARROW WARNING SIGN PLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

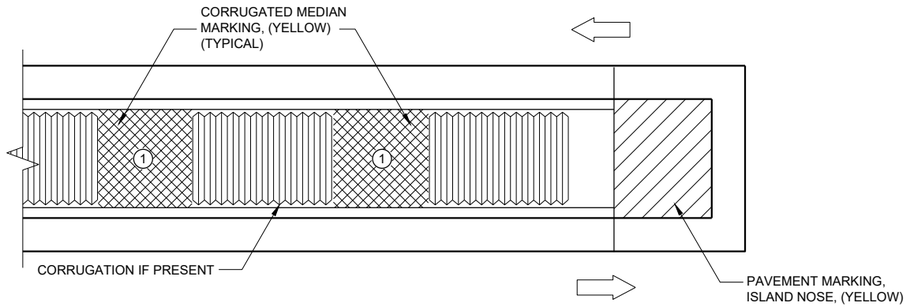
FHWA

6

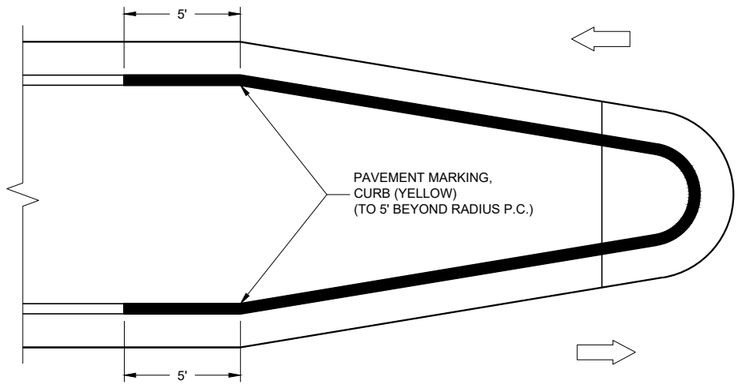
SDD 15C27 - 03a

6

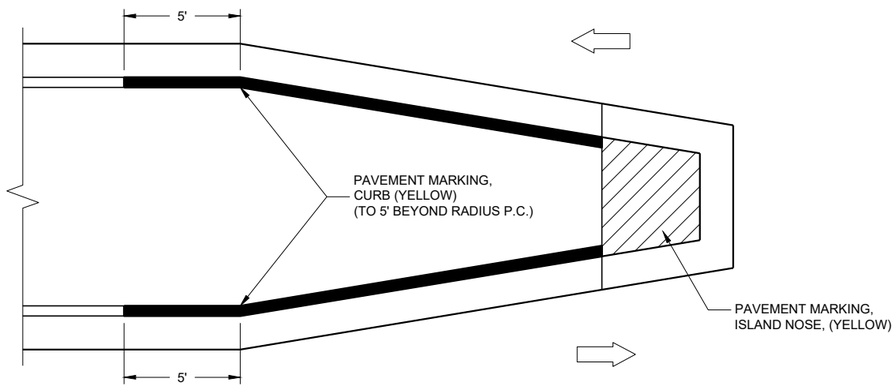
SDD 15C27 - 03a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE

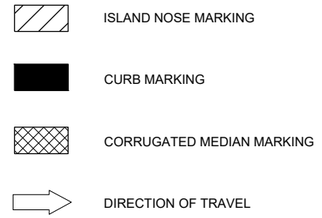


MEDIAN ISLAND WITH SLOPED NOSE

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.



PAVEMENT MARKINGS
(ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER
FHWA

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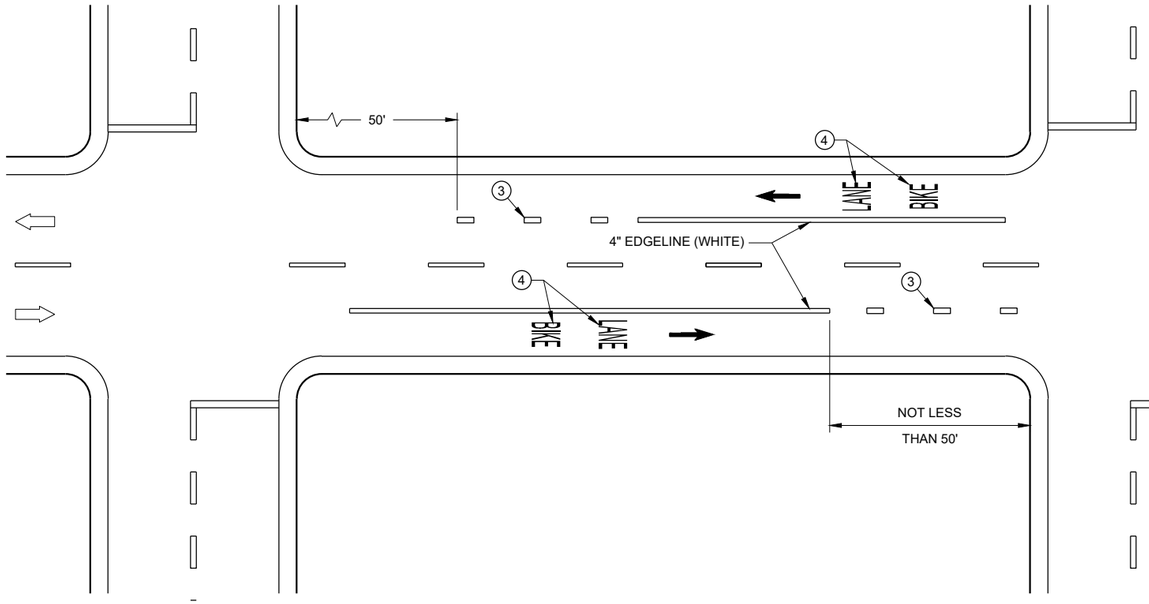
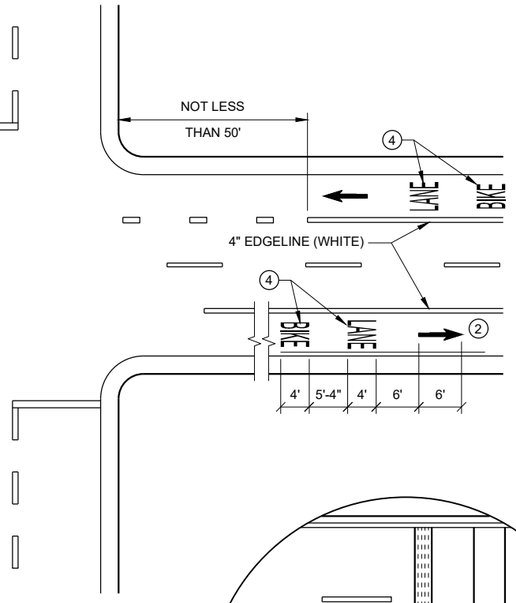
SDD15C27 - 03b



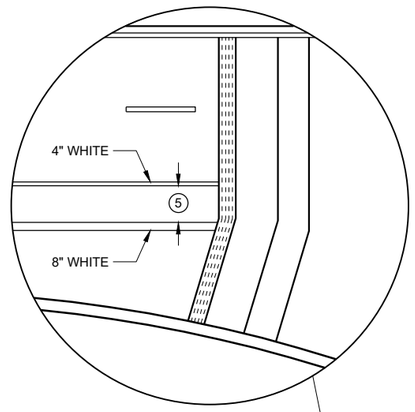
DESIGNATED BIKE LANE - NO PARKING



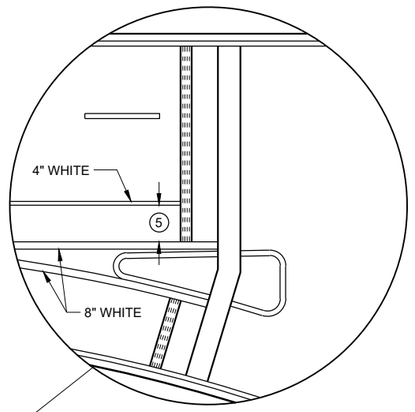
GENERAL NOTES

1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3' LINE, 9' GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. BIKE SYMBOLS OR WORDS MAY BE USED.
5. BIKE ACCOMMODATION IS TYPICAL 5 FEET WIDE AND MINIMUM OF 4 FEET FROM A LONGITUDINAL JOINT. USE 5 FEET AT ≥ 45 MPH.
6. OMIT THESE MARKINGS FOR WIDER TURN LANE APPLICATIONS (MINIMUM OF 15 FOOT WIDE TURN LANE).
7. REFER TO CONTRACT PLANS FOR LANE WIDTH.

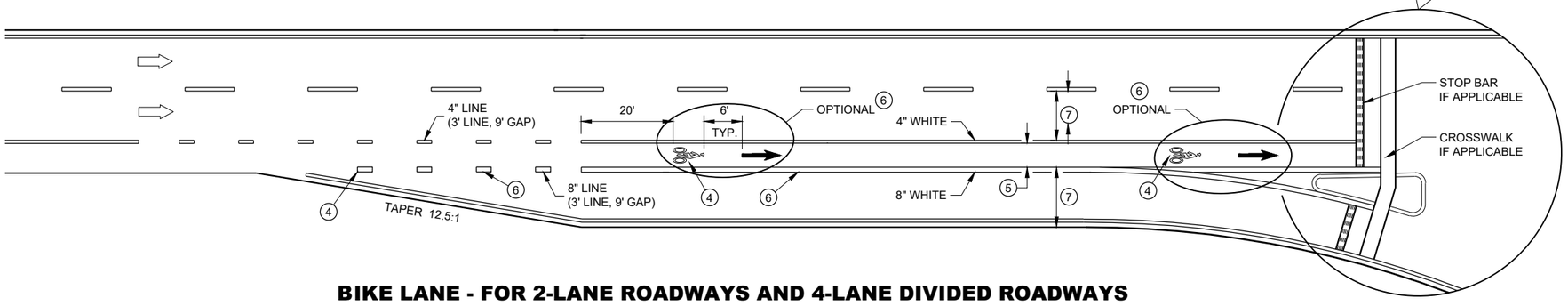
DIRECTION OF TRAFFIC



4 LANE DIVIDED WITHOUT ISLAND



4 LANE DIVIDED WITH ISLAND



BIKE LANE - FOR 2-LANE ROADWAYS AND 4-LANE DIVIDED ROADWAYS
(4-LANE DIVIDED WITH RIGHT TURN LANE SHOWN)

BIKE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER
FHWA

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SDD 15C29 - 07a

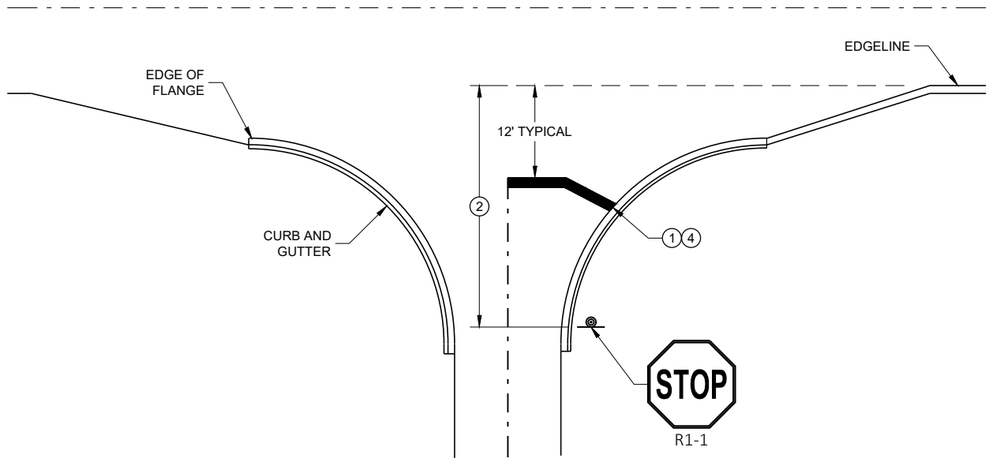
6

SDD 15C29 - 07a

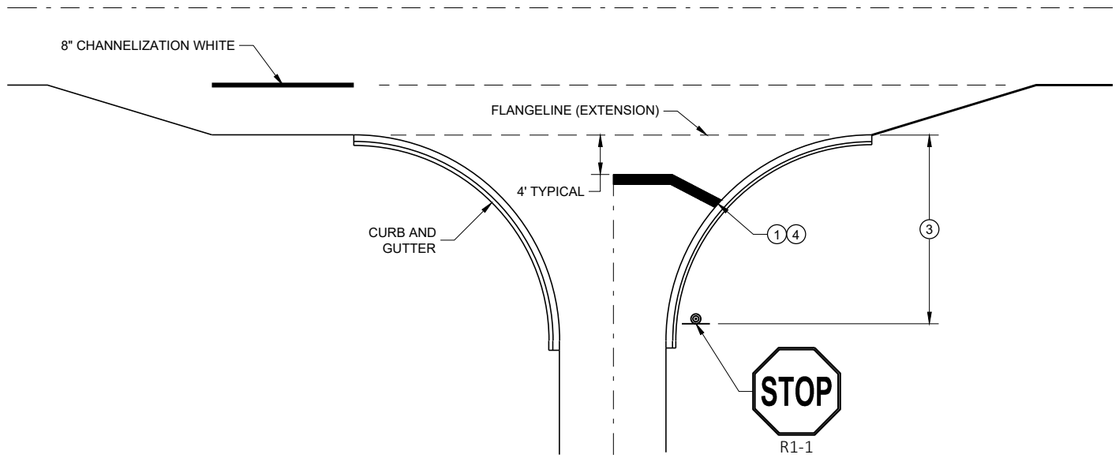
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

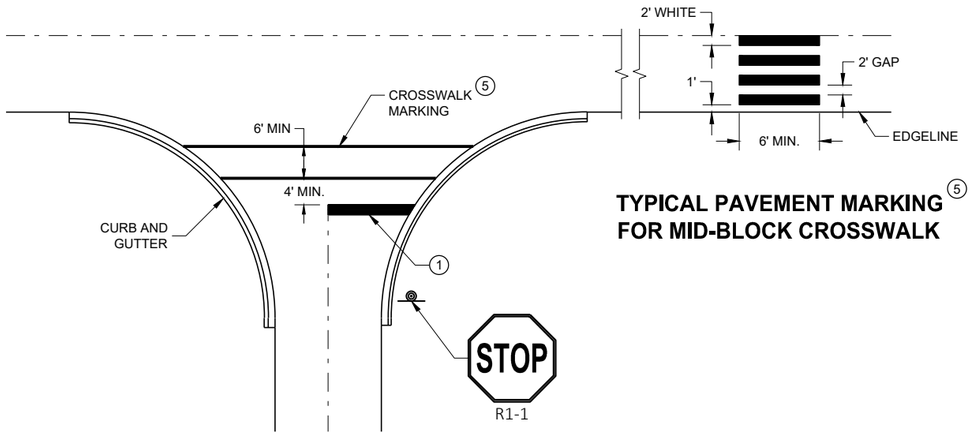
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

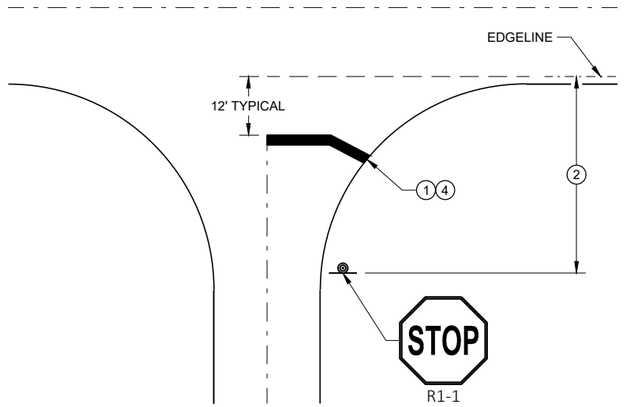


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

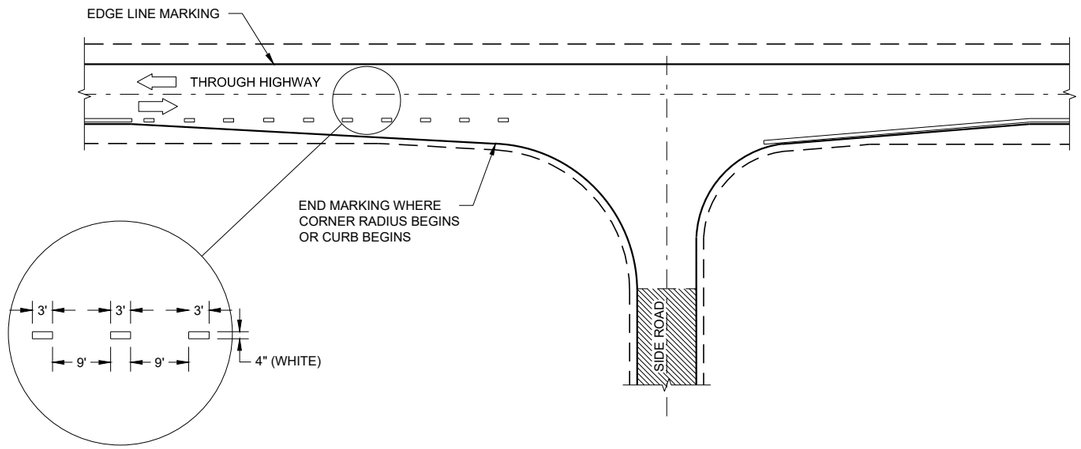
APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MARKING ENGINEER

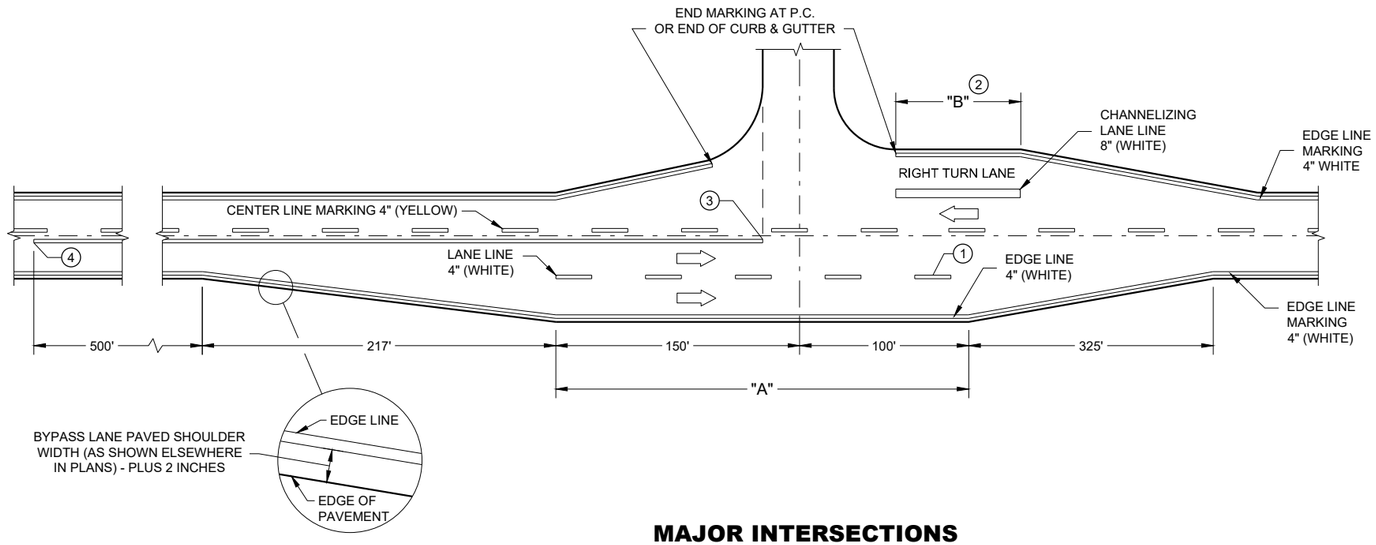
FHWA

6

SDD 15C33 - 04



MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

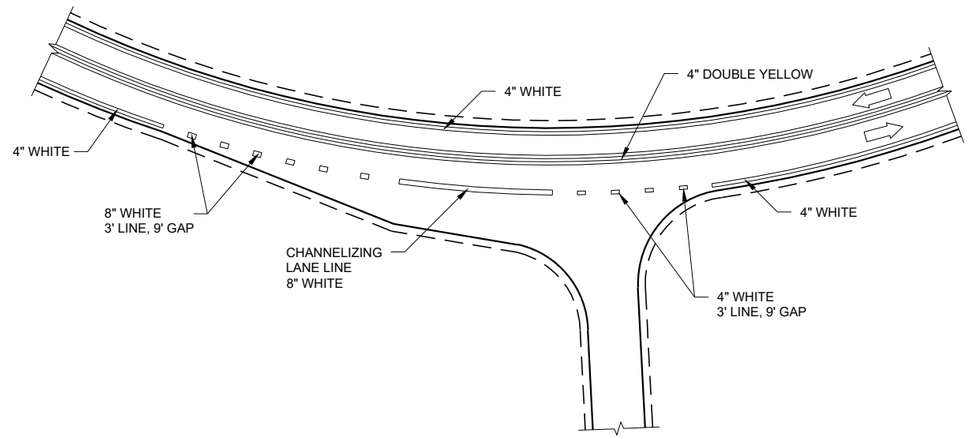
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

LEGEND

DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING (INTERSECTIONS)

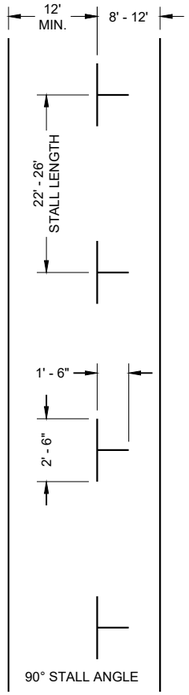
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

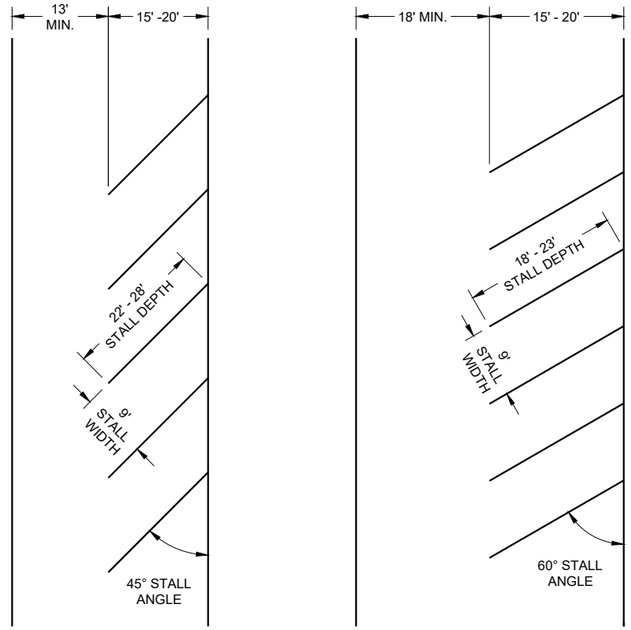
SDD 15C35 - 04a

6

SDD 15C35 - 04a

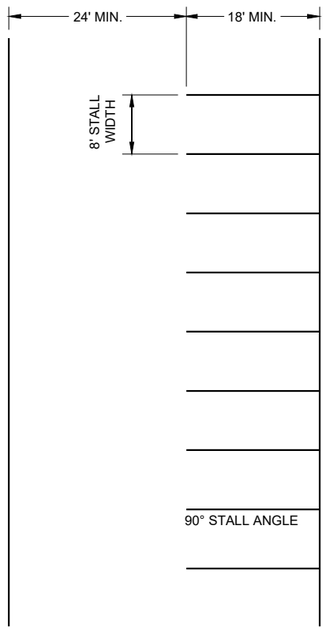


PARALLEL PARKING



ANGLED PARKING

(ANGLED PARKING IS NOT ALLOWED ON STATE HIGHWAYS UNLESS A DESIGN JUSTIFICATION HAS BEEN COMPLETED.)



PARKING LOTS

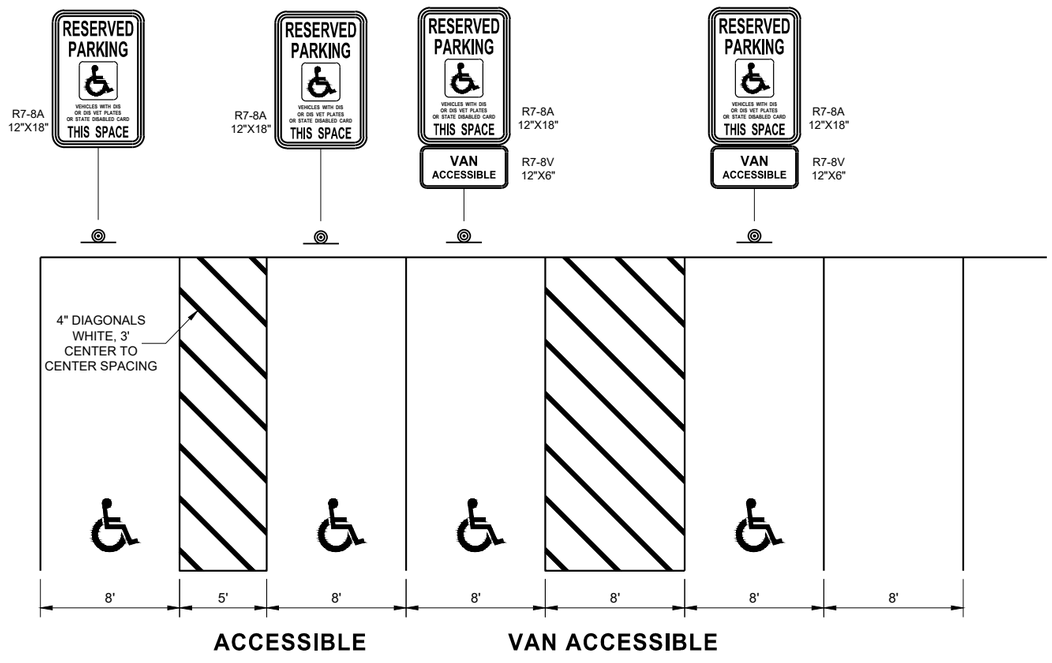
GENERAL NOTES

ALL LINES 4" WHITE (UNLESS OTHERWISE NOTED)

LAST PARKING STALL IS A MINIMUM OF 15' FROM THE CROSSWALK.

LEGEND

SIGN ON PERMANENT SUPPORT



ACCESSIBLE

VAN ACCESSIBLE

PARKING STALL MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

6

SDD 15C36 - 01

GENERAL NOTES

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE

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.

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 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.

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.

(1) CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

(2) IF NEEDED. USE ONLY IF DESIGN SPEED IS 10 MPH LESS THAN POSTED SPEED.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING
- CONCRETE BARRIER TEMPORARY PRECAST
- DIRECTION OF TRAFFIC
- WORK AREA

OR

R2-1
48"X60"

OR

R2-1
48"X60"

IF THE REGULATORY SPEED HAS BEEN REDUCED, A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES.

LOCATED 400 FEET BEYOND THE W20- 5G SIGN.

SEE SDD 15D12b FOR SIGN PLACEMENT.

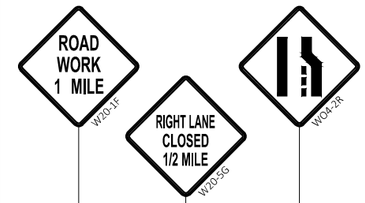
(BLACK AND WHITE)

LOCATED 700 FEET BEYOND W03-5 SIGN

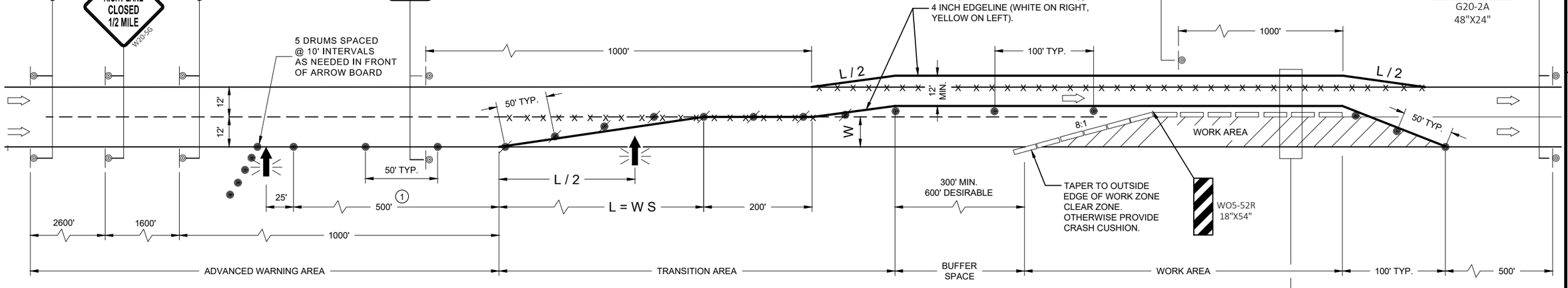
WO13-1
36"X36"

* INCLUDE RESUME SPEED LIMIT SIGN A MINIMUM OF 200 FEET (500 FEET DESIRABLE) AFTER END ROAD WORK SIGNS.

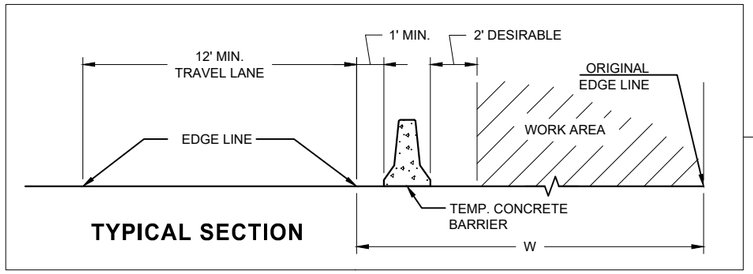
G20-2A
48"X24"



WO13-1
36"X36"



L, TAPER LENGTH (MPH)												
SPEED (MPH)	W, LATERAL OFFSET (FT)											
	1	2	3	4	5	6	7	8	9	10	11	12
45	45	90	135	180	225	270	315	360	405	450	495	540
50	50	100	150	200	250	300	350	400	450	500	550	600
55	55	110	165	220	275	330	385	440	495	550	605	660
60	60	120	180	240	300	360	420	480	540	600	660	720
65	65	130	195	260	325	390	455	520	585	650	715	780
70	70	140	210	280	350	420	490	560	630	700	770	840



TYPICAL SECTION

TRAFFIC CONTROL LANE CLOSURE, SPEEDS GREATER THAN 40 MPH WITH BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINE

FHWA

SDD 15D03-05

SDD 15D03-05

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.

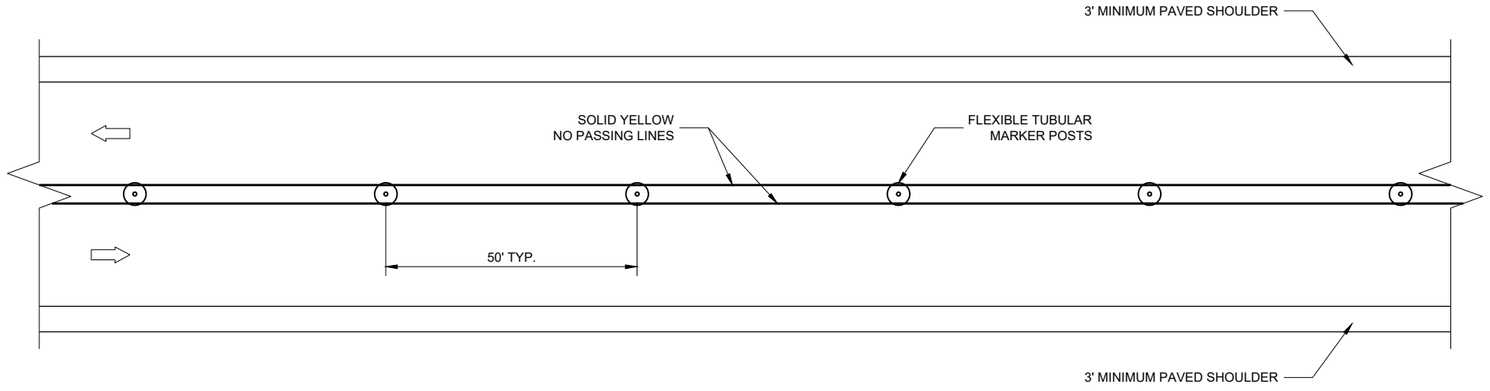
COVER EXISTING CENTERLINE STRIPE WITH TEMPORARY PAVEMENT MARKING, 4 INCH DOUBLE YELLOW.

(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

6

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SDD 15D06 - 04

SDD 15D06 - 04

TRAFFIC CONTROL
TWO LANE TWO WAY
OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
STATE TRAFFIC ENGINEER O 488

FHWA

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

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, REMOVABLE TAPE 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.

DUE TO LACK OF SHOULDER/MEDIAN, ARROW BOARD IS PLACED AT THE THE END OF THE TAPER.

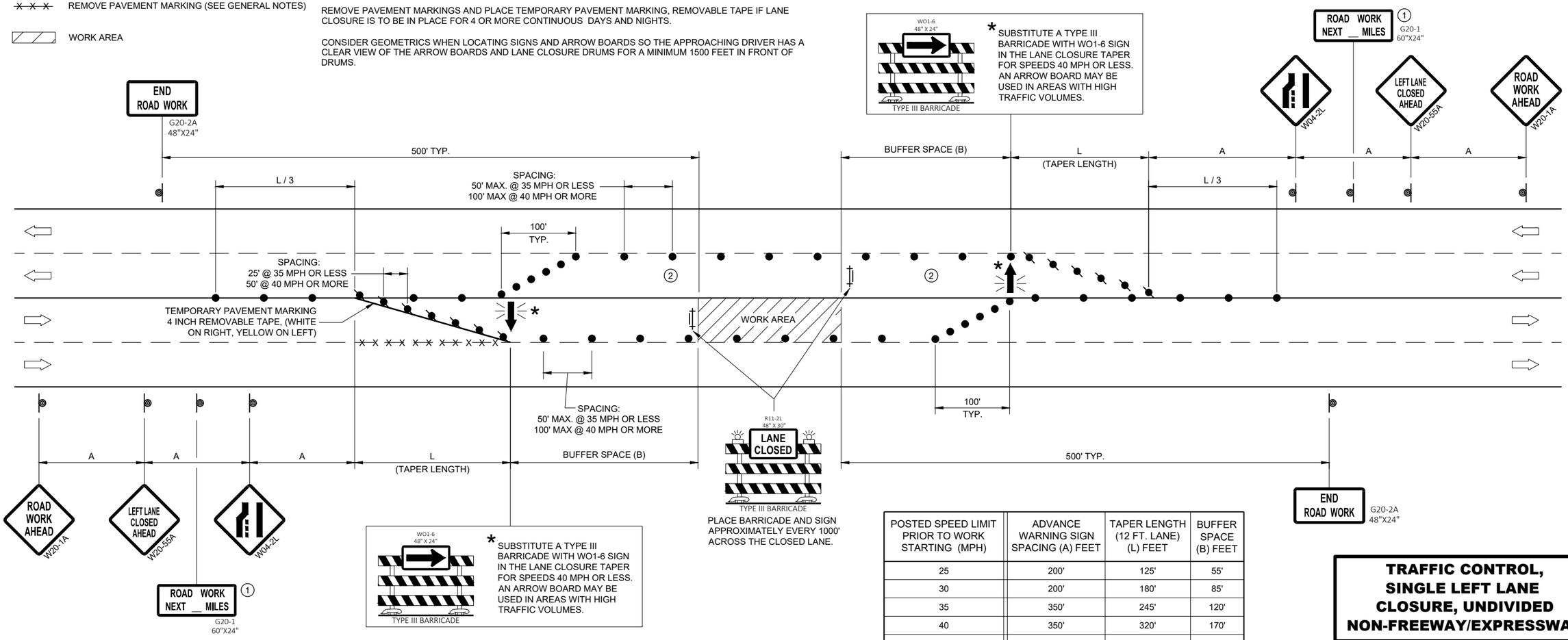
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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) LANE MAY BE OPENED WHEN WORKERS ARE NOT PRESENT IN THE WORK AREA.



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'
50	500'	600'	280'
55	500'	660'	335'

TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE
/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

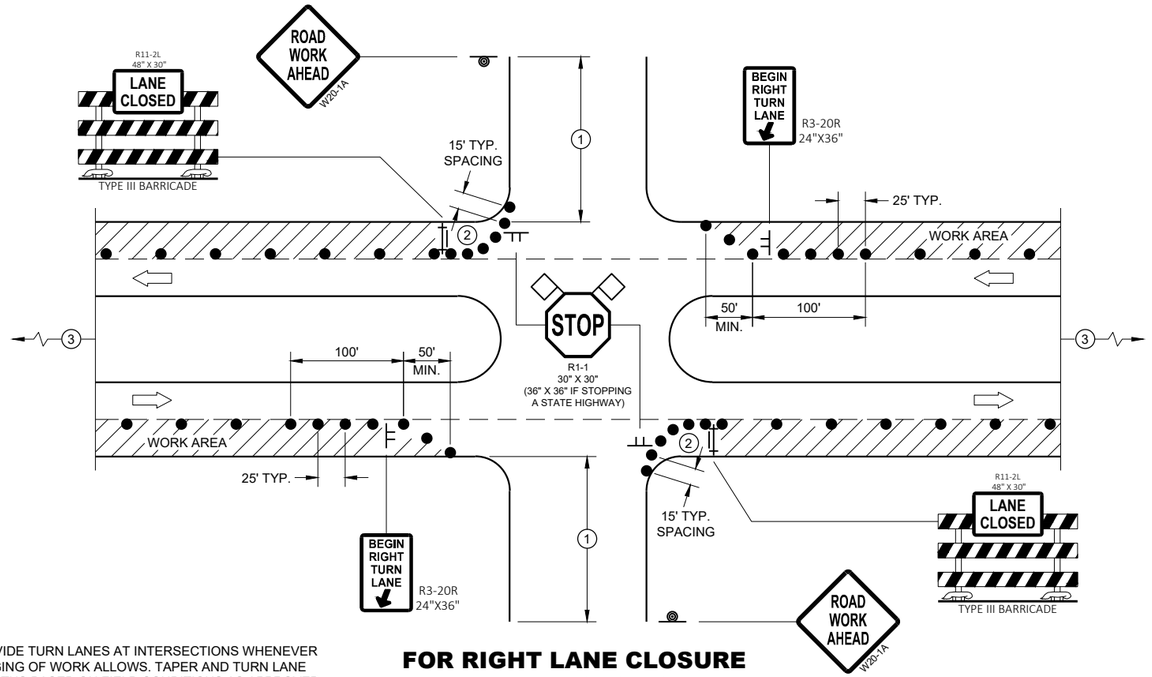
FHWA

6

SDD 15D20 - 05c

6

SDD 15D20 - 05c



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR RIGHT LANE CLOSURE AT INTERSECTION

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

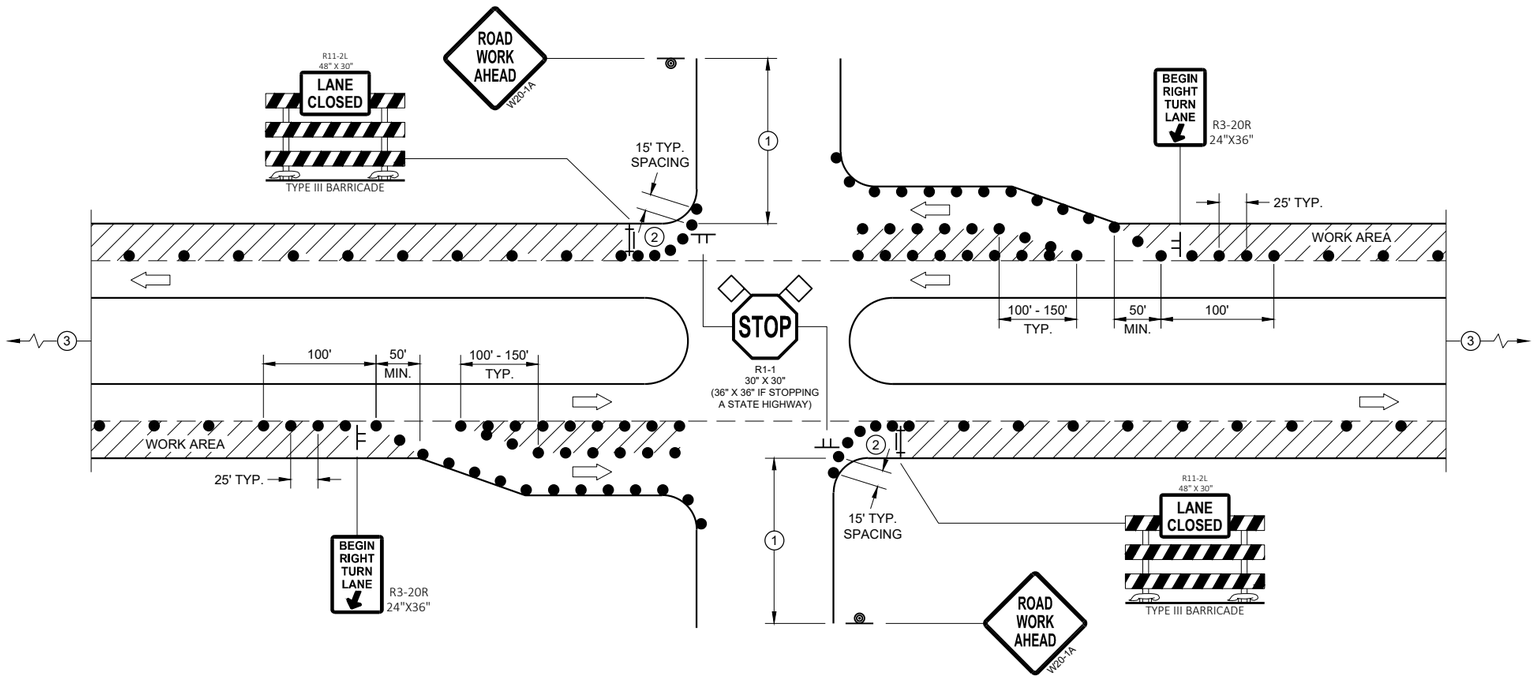
(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

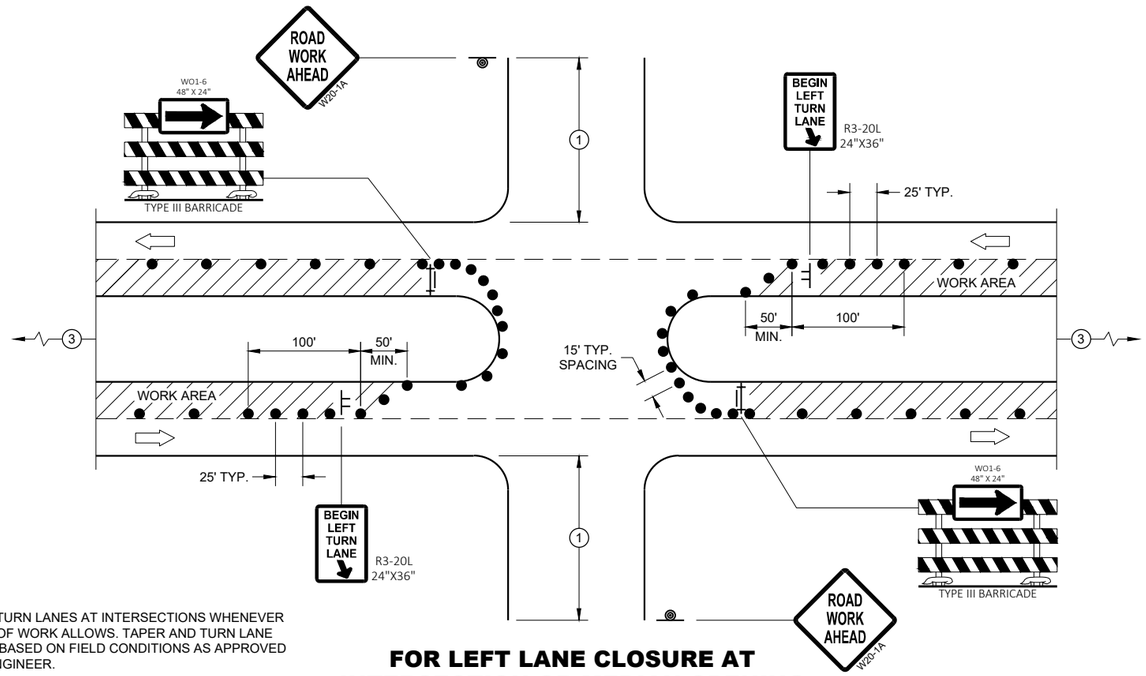
LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

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SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

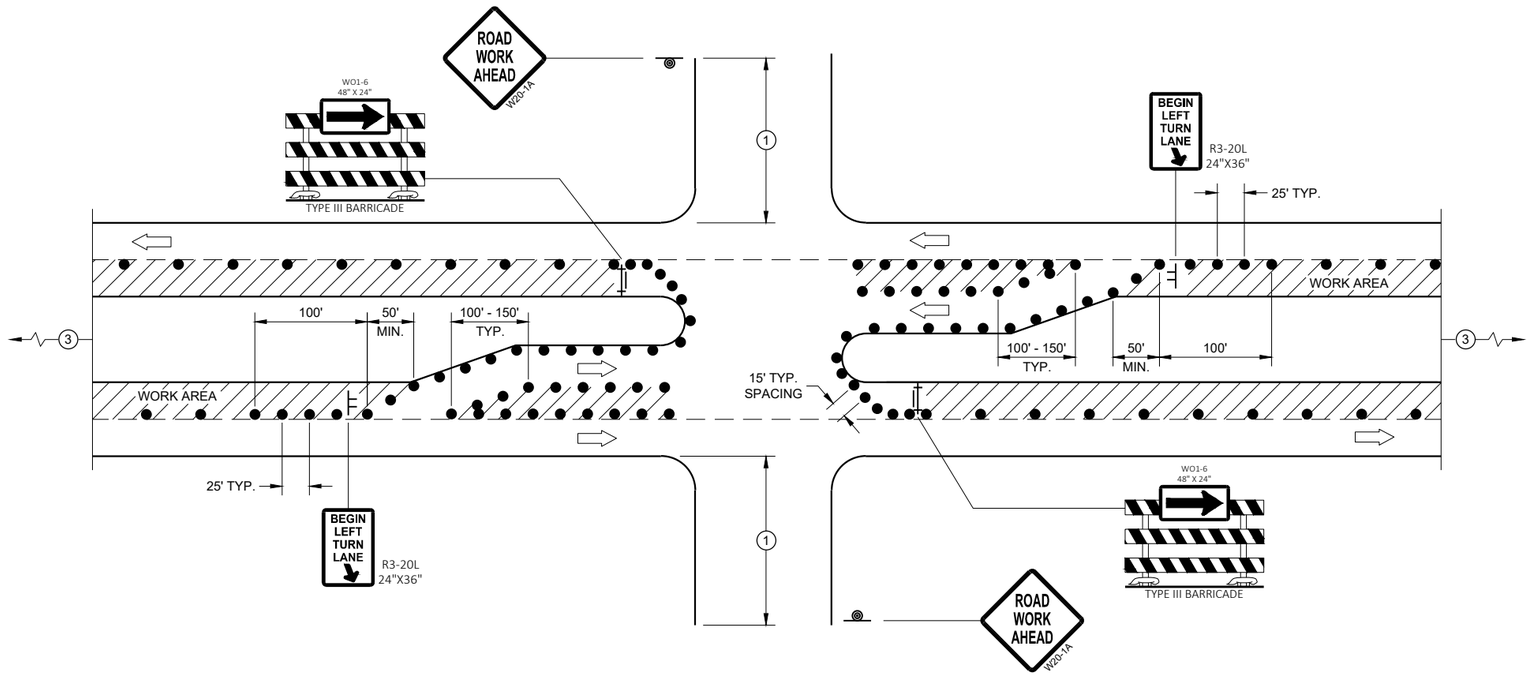
(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

SDD 15D21 - 06b

SDD 15D21 - 06b

LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

WORK ZONE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

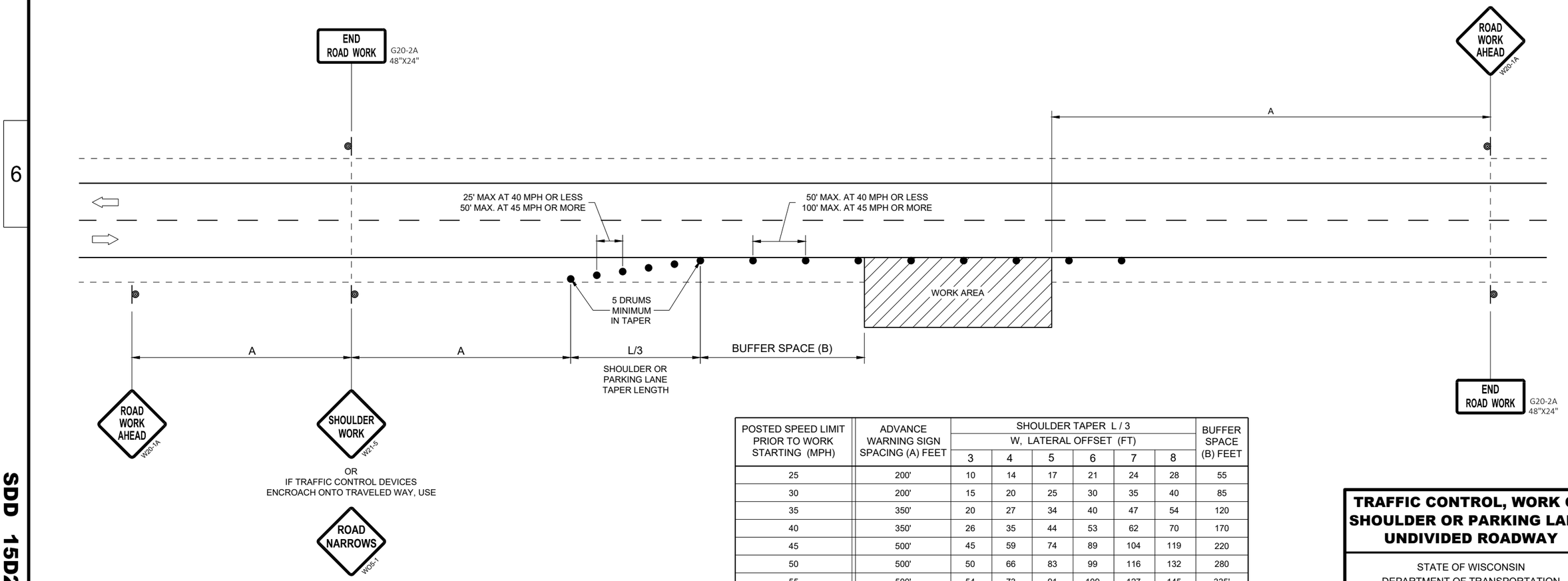
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

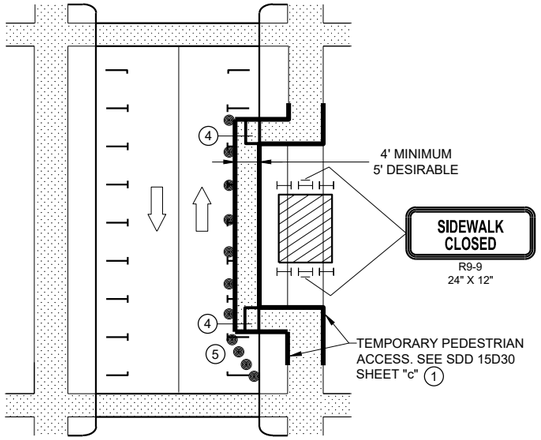
/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

6

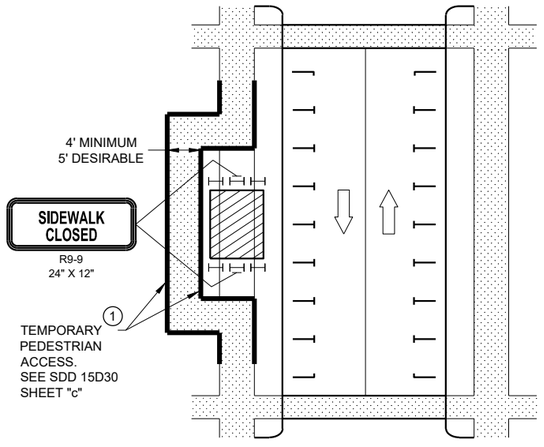
SDD 15D28 - 04

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

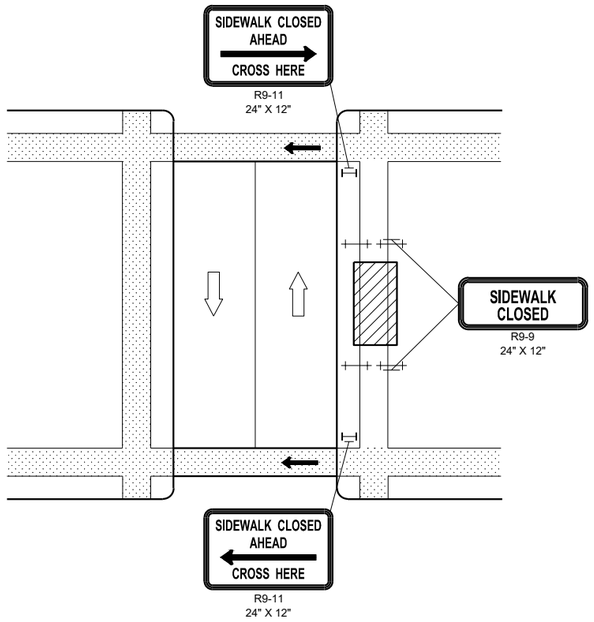


MID-BLOCK SIDEWALK SIDEWALK CLOSURE IN PARKING LANE

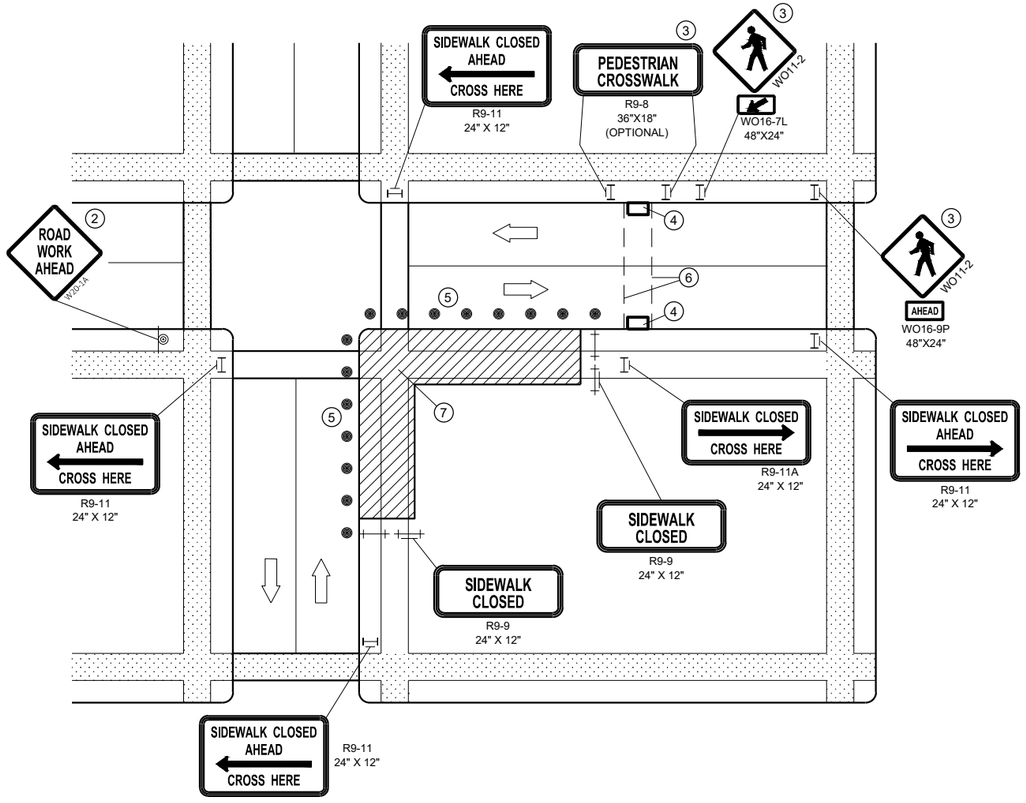
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

"WO" SIGN IS THE SAME AS "W" SIGN, EXCEPT THE BACKGROUND IS ORANGE.

FOR NIGHTIME CLOSURE, USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEK LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

1. IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE
2. "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.
3. IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.
4. TEMPORARY CURB RAMPS. SEE SDD 15D30 SHEET "b'.
5. DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
6. TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.
7. LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

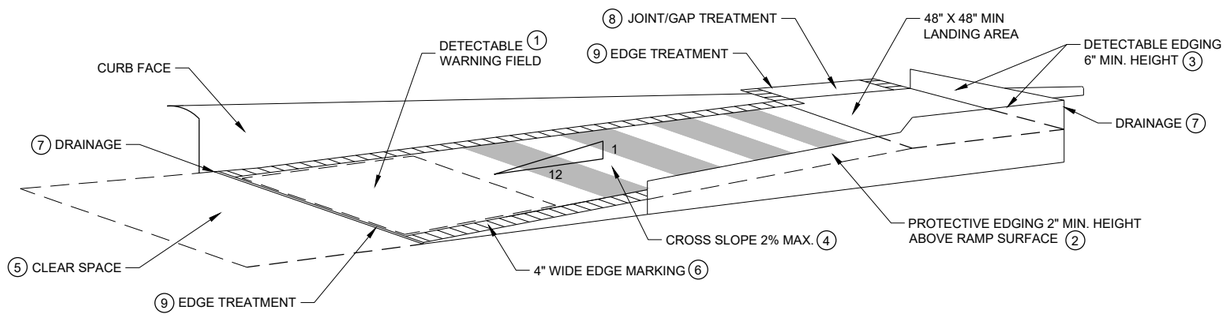
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

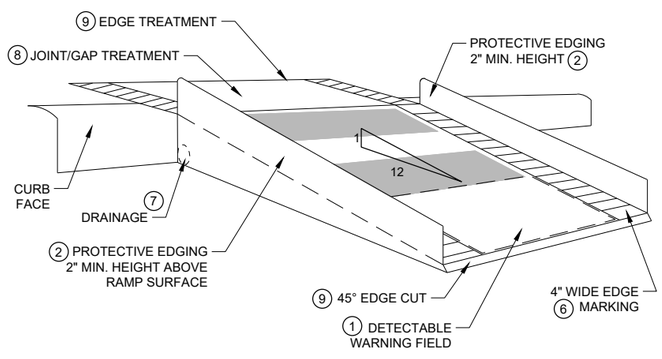
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

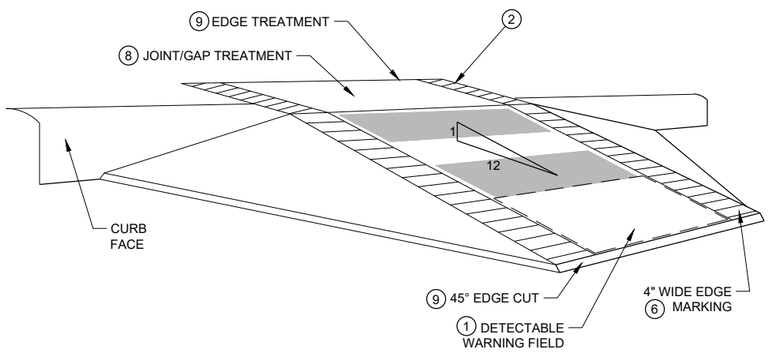
SDD15D30 - 06a



TEMPORARY CURB RAMP PARALLEL TO CURB



WITH PROTECTIVE EDGE



WITH SIDE APRON

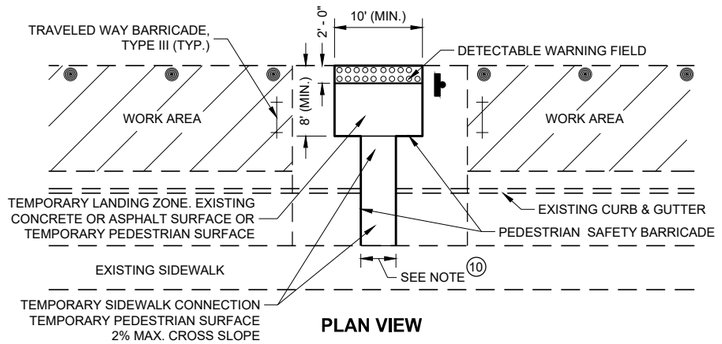
TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

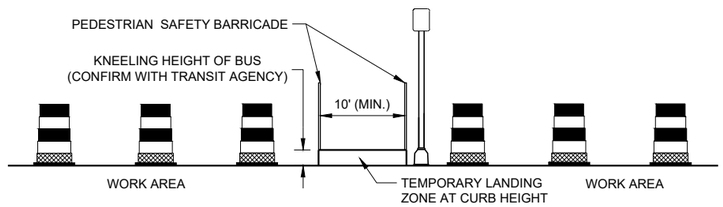
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

1. CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 08D05, SHEET "e".
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
5. CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
6. THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
7. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.
9. CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES SHALL BE VERTICAL UP TO ¼" HIGH AND BEVELED AT 1:2 BETWEEN ¼" AND ½".
10. 5" WIDE MIN. WITH PEDESTRIAN SAFETY BARRICADE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY BARRICADE.



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

LEGEND

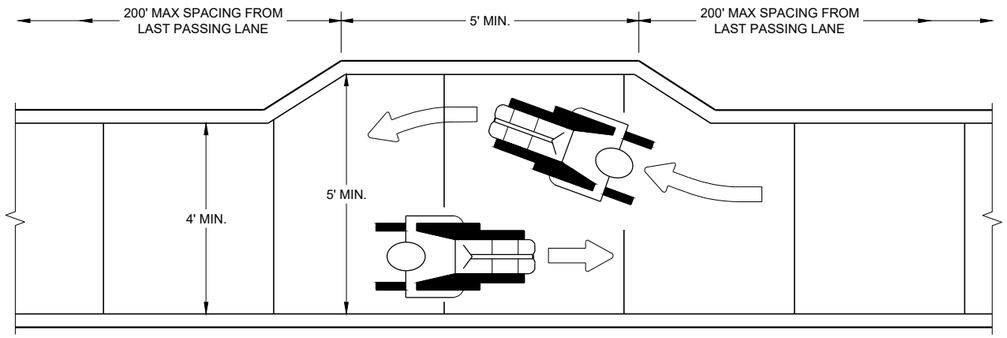
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

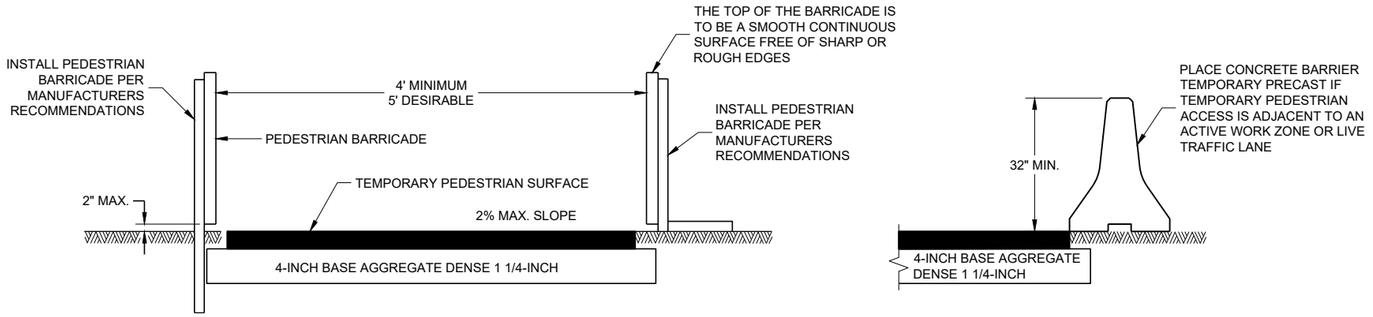
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

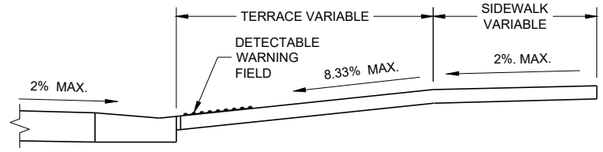
SDD 15D30 - 06b



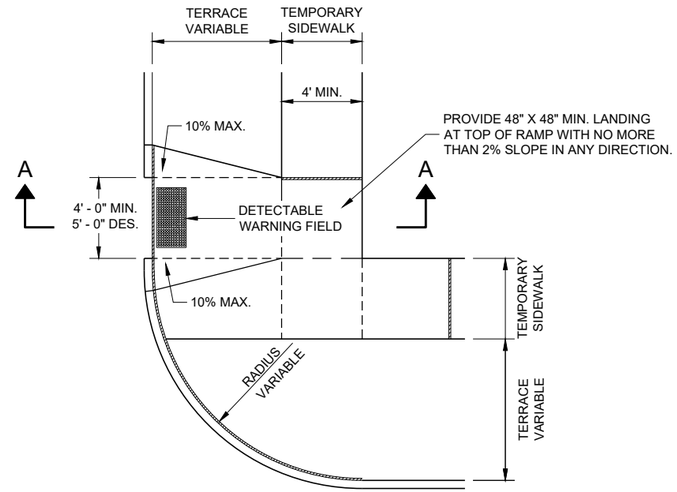
NARROW SIDEWALK PASSING DETAIL



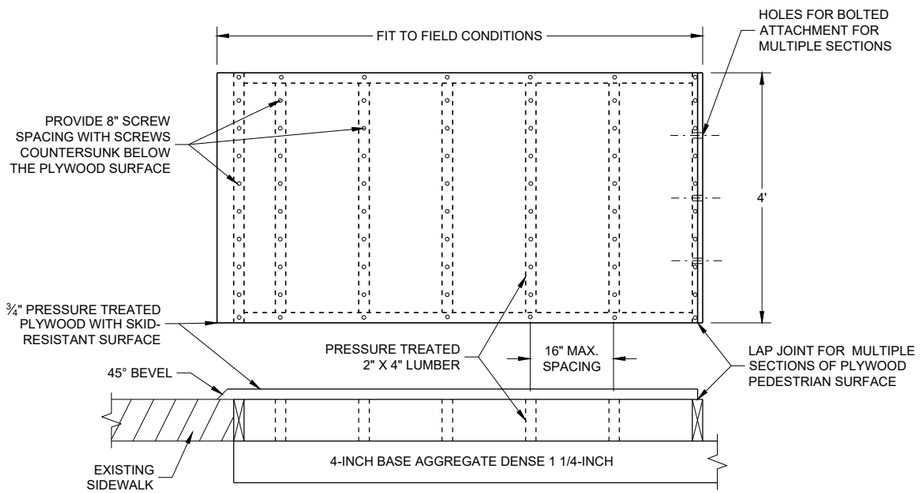
TEMPORARY PEDESTRIAN ACCESS



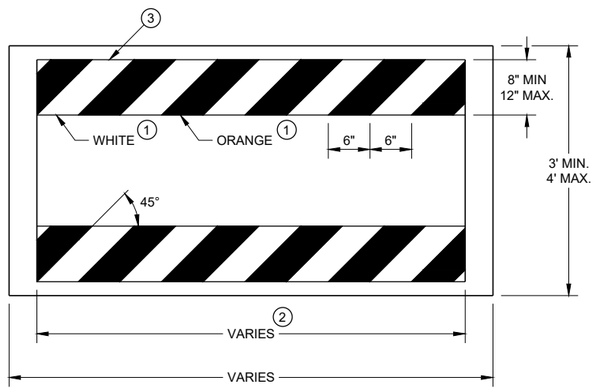
SECTION A - A



PLAN VIEW
TEMPORARY TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



TEMPORARY PEDESTRIAN BARRICADE *

GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.
3. PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

495

FHWA

SDD 15D30 - 06c

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LEGEND

TYPE III BARRICADE WITH ATTACHED SIGN

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

TRAFFIC CONTROL DRUM

FLAGS, 16" X 16" MIN. (ORANGE)

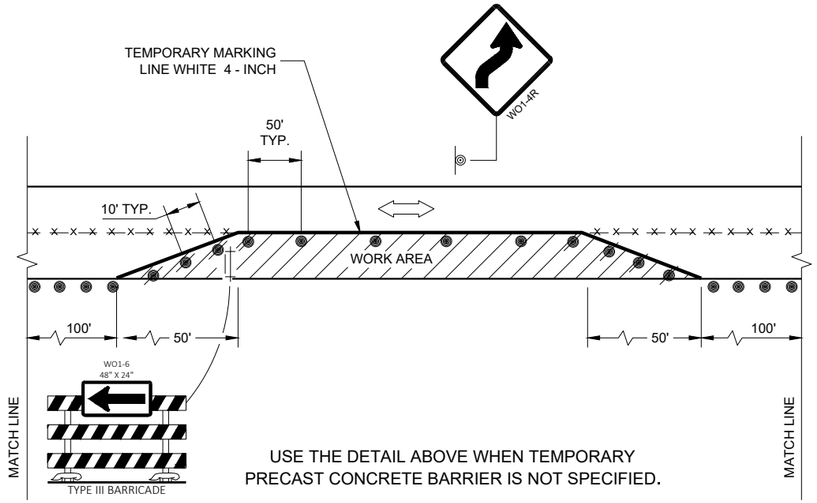
REMOVING PAVEMENT MARKING

DIRECTION OF TRAFFIC

ASPHALTIC PAVEMENT WIDENING

CONCRETE BARRIER TEMPORARY PRECAST

TEMPORARY SIGNAL. SEE SDD 09G02 FOR EXACT PLACEMENT



USE THE DETAIL ABOVE WHEN TEMPORARY PRECAST CONCRETE BARRIER IS NOT SPECIFIED.

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 TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE..

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.

PLACE TEMPORARY PAVEMENT MARKING EDGELINE AND CENTERLINE AND REMOVE EXISTING PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS OR AS NOTED ON DETAIL.

(1) 500 FOOT SPACING SHOWN IS FOR ROADWAYS WITH A PRE-CONSTRUCTION REGULATORY SPEED LIMIT OF 45 MPH OR MORE. FOR 35 - 40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25 - 30 MPH, USE 200 FOOT TYPICAL SPACING.

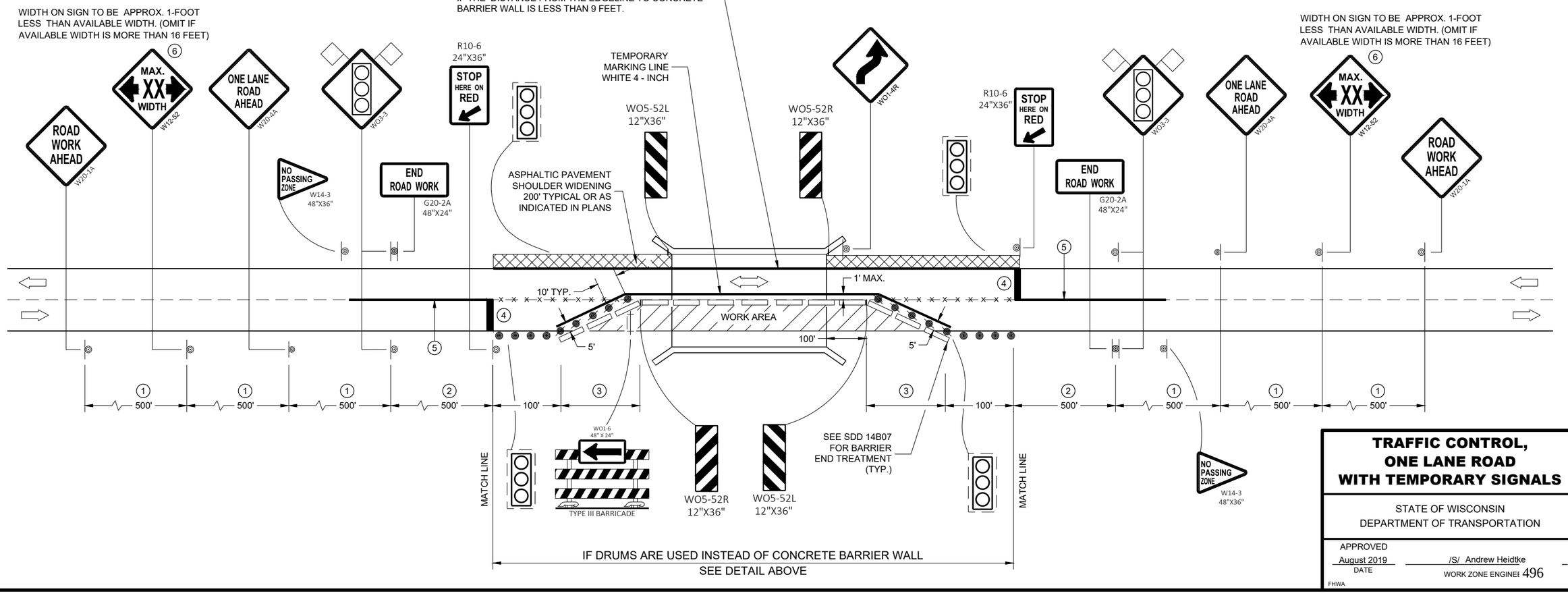
(2) USE 300 FOOT SPACING IF THE PRE - CONSTRUCTION REGULATORY SPEED IS 35 MPH OR LESS.

(3) DIMENSION DETERMINED BY CBTP TAPER FROM EDGE LINE TO TANGENT SECTION OF THE ROAD.

(4) TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18 - INCH.

(5) 700 FOOT TEMPORARY MARKING LINE, DOUBLE YELLOW 4 - INCH . WHEN THE DISTANCE FOR THE PRECEDING NO - PASSING ZONE IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES AS INDICATED IN THE SPECIFICATIONS, THE TWO ZONES SHALL BE CONNECTED.

(6) SEE SDD 15C02 - SHEET "F" FOR ADVANCED WIDTH RESTRICTION SIGNING.



IF DRUMS ARE USED INSTEAD OF CONCRETE BARRIER WALL SEE DETAIL ABOVE

TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15D33 - 06

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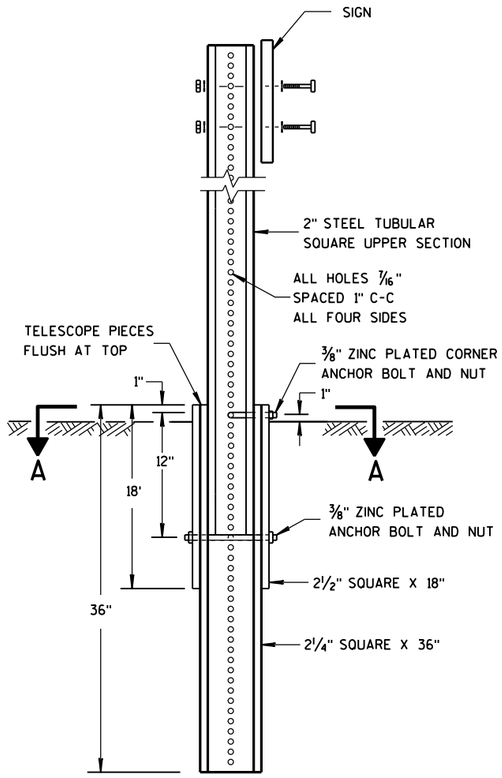
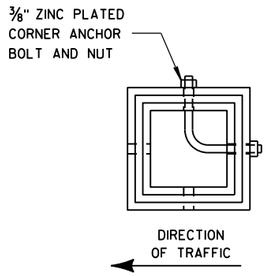
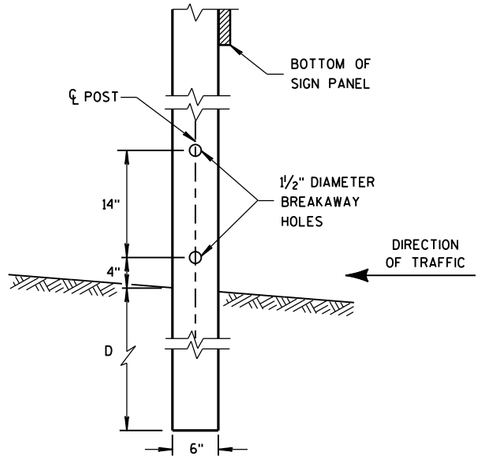


DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



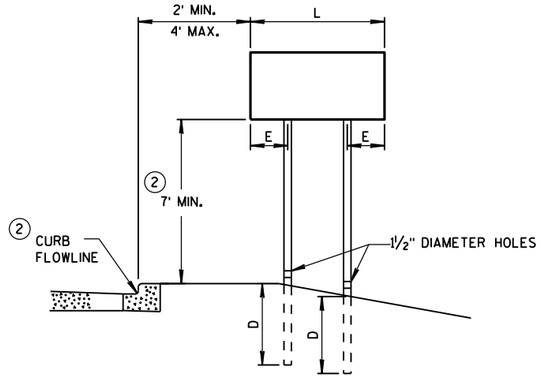
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

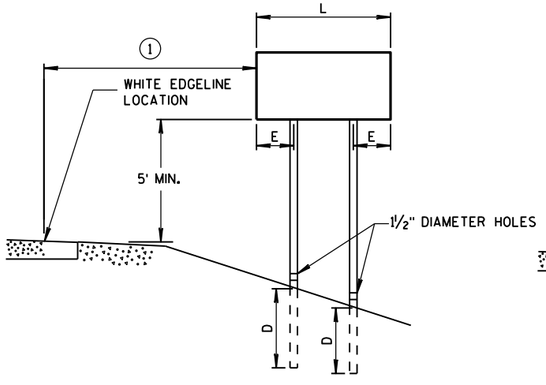
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

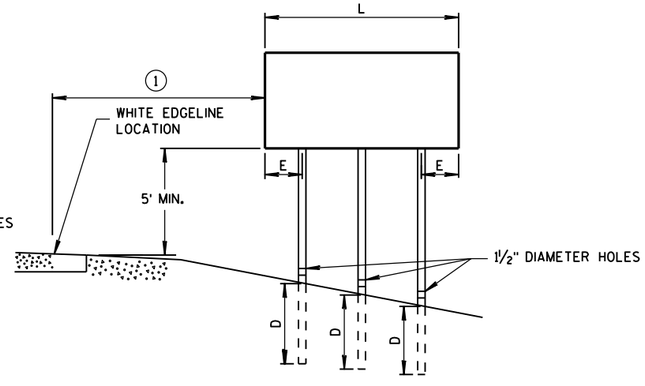
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL 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).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 15 D 38-2a

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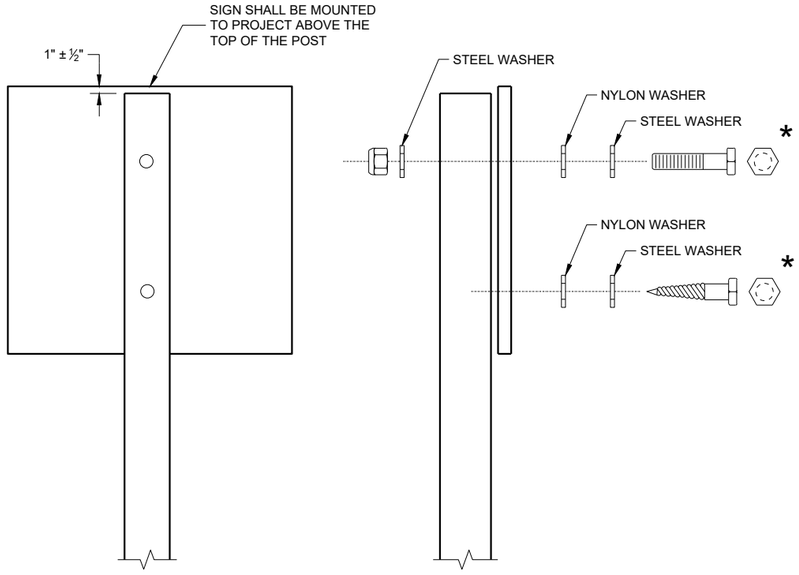

NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

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.

WOOD POST (4" x 6")
LAG SCREWS - ⅜" x 3"
MACHINE BOLTS - 5/16" x 6 ½" OR 7" LENGTH W/NUTS

SQUARE STEEL POST (2" x 2")
MACHINE BOLTS - ⅜" x 3 ¼" LENGTH W/NUTS
RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE 0.720 - 0.765 INCH, GRIP RANGE 0.042 - 0.375 INCH

WASHERS (ALL POSTS) -
1 ¼" O.D. x ⅜" I.D. x 1/16" STEEL
1 ¼" O.D. x ⅜" I.D. x 0.080 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. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

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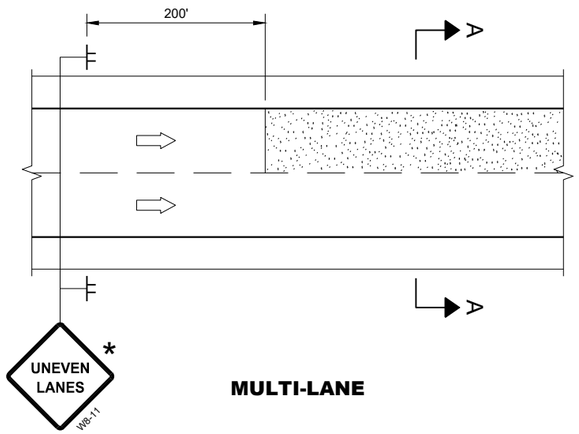
SDD 15D38 - 02b

SDD 15D38 - 02b

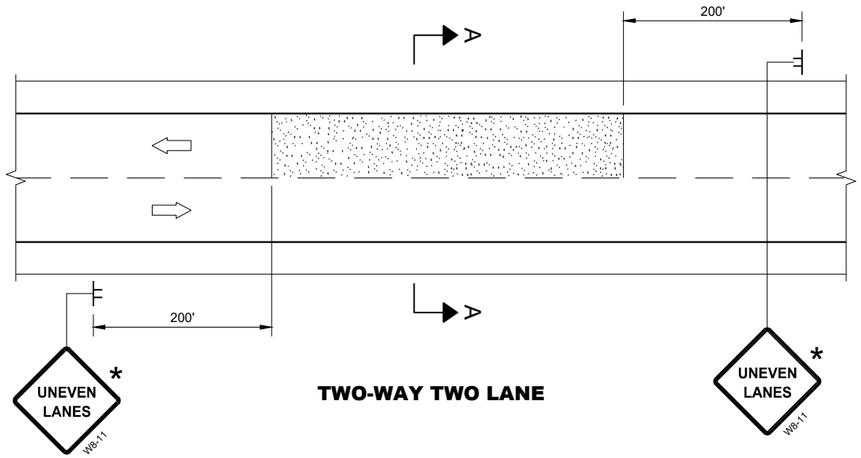
ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

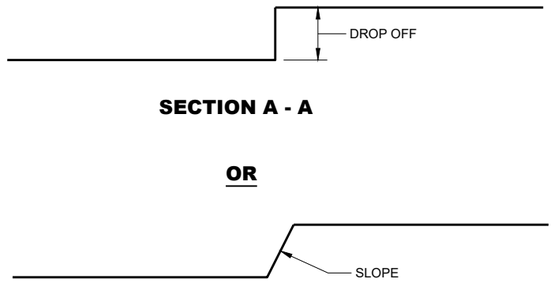
APPROVED
June 2017
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA



MULTI-LANE

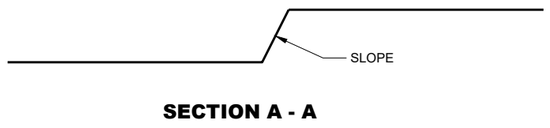


TWO-WAY TWO LANE

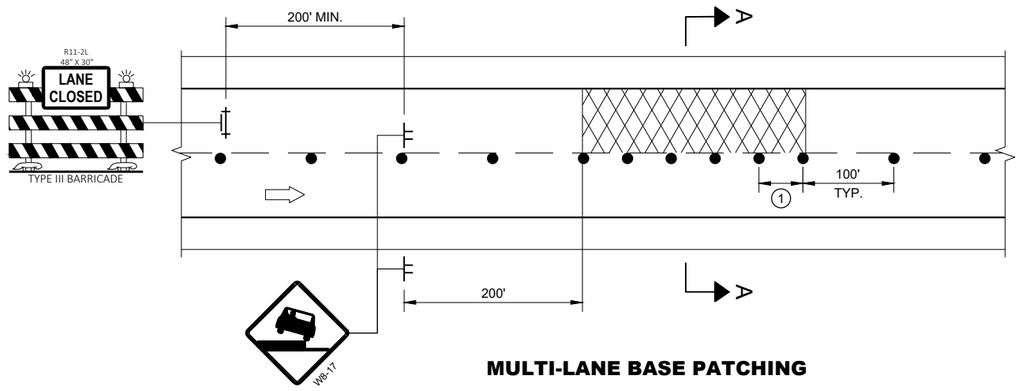


SECTION A - A

OR



SECTION A - A



MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS

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.

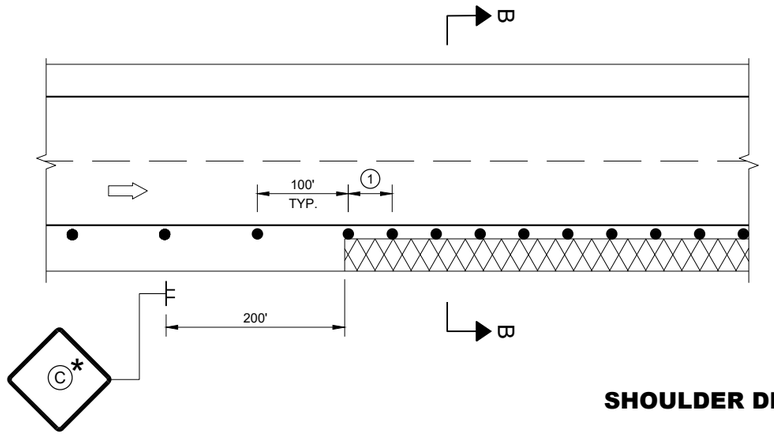
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

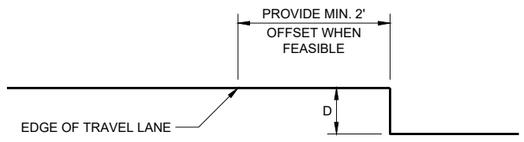
(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

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



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

SDD 15D39 - 02

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LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

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 DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR SHIFTING RIGHT LANE - REVERSE FOR SHIFTING LEFT LANE.

ALL SIGNS ARE 48"×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 AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

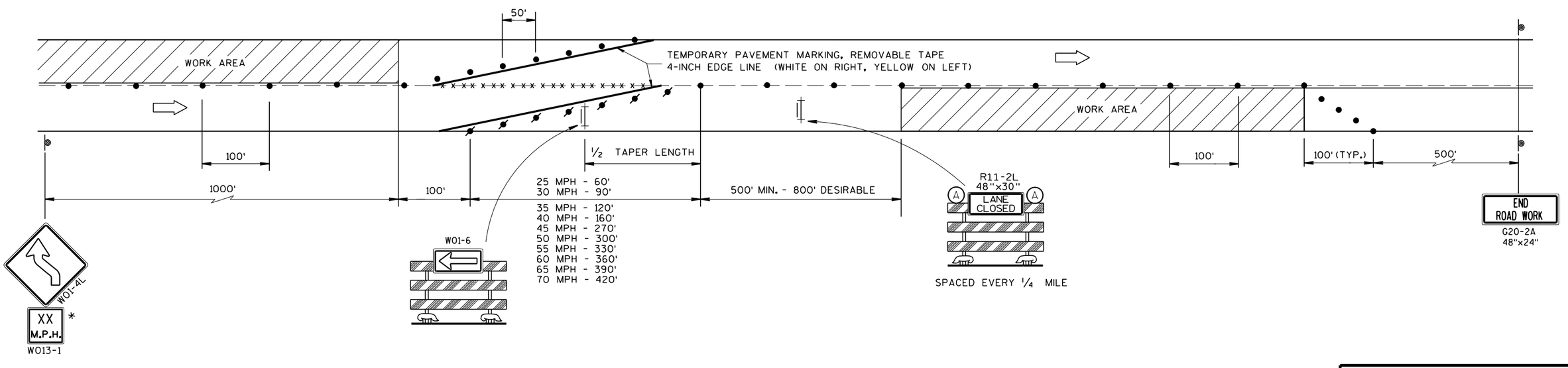
FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE 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 CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST 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.



* USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED

LANE SHIFT MULTI-LANE DIVIDED OR ONE WAY ROAD

TRAFFIC CONTROL, LANE SHIFT, MULTI-LANE DIVIDED OR ONE WAY ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE
FHWA

/S/ Andrew I
WORK ZONE E

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S.D.D. 15 D 40-1

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

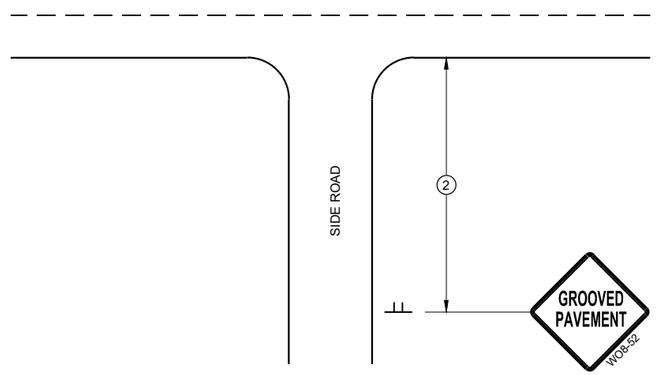
(1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

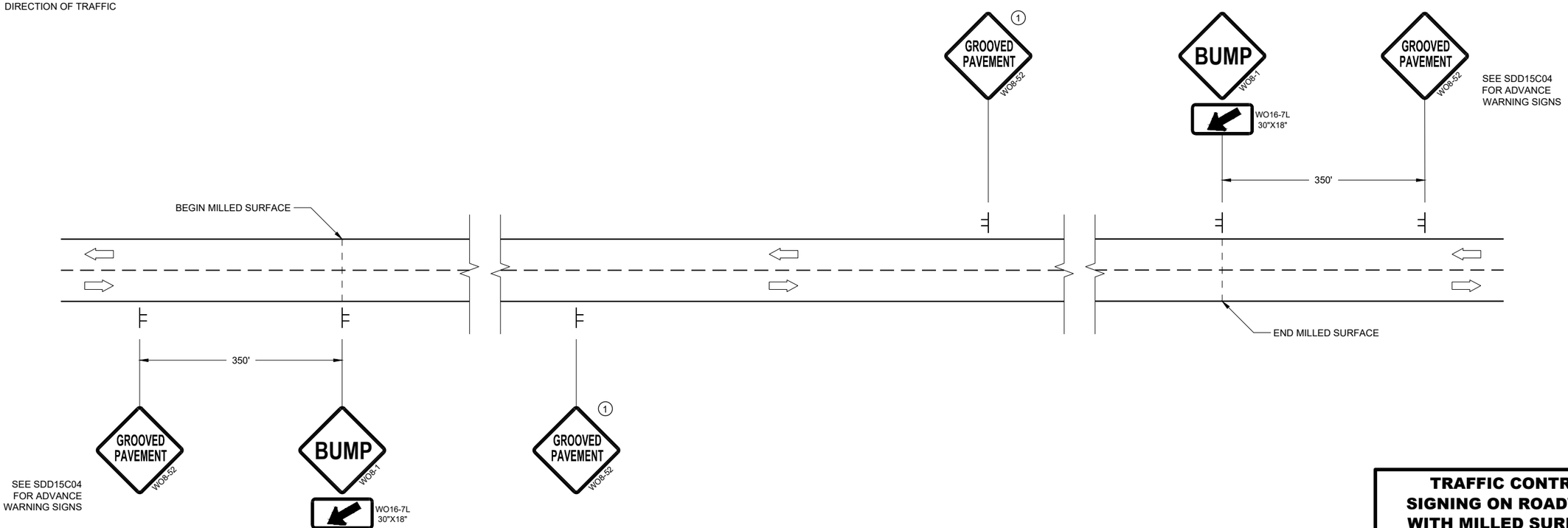
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON MILLED SURFACES

TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

501

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SDD 15D44 - 02

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

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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.

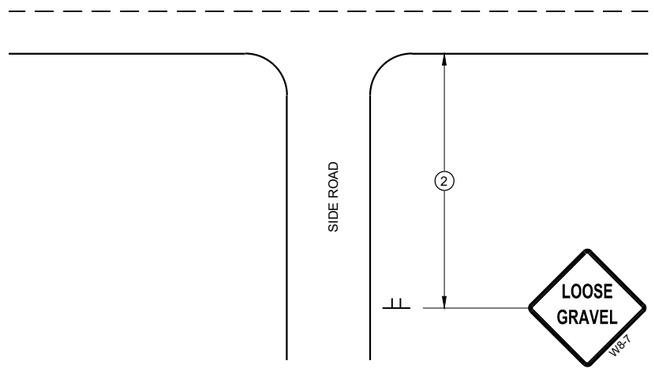
(1) PLACE SIGNS 350' IN ADVANCE OF CHIP SEALED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

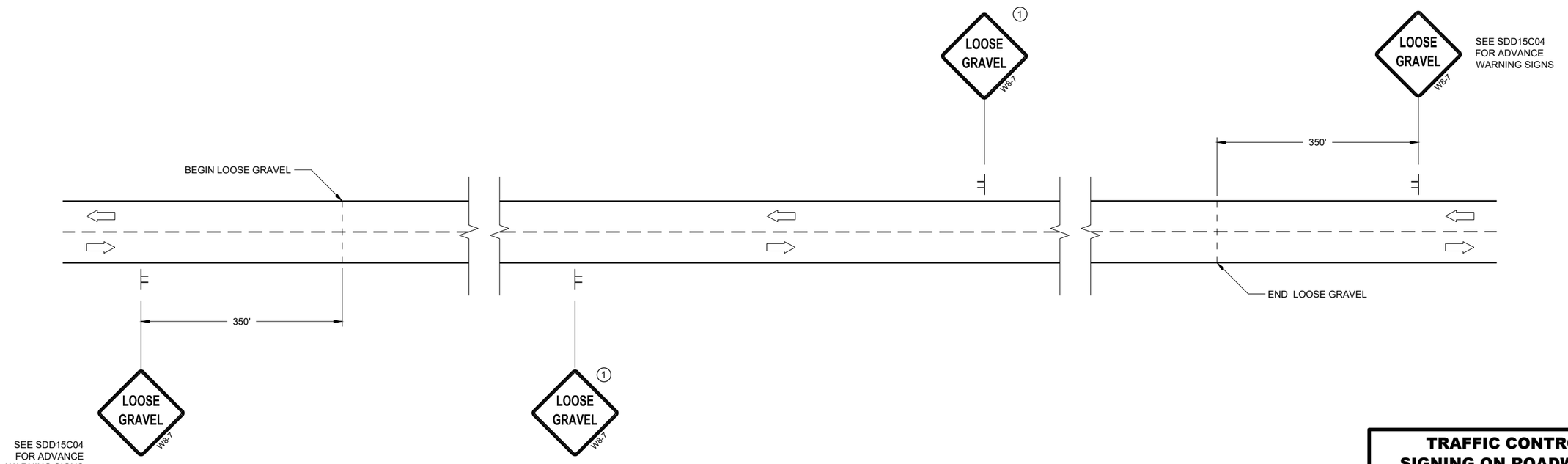
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON CHIP SEALED SURFACES

TRAFFIC CONTROL SIGNING ON ROADWAYS WITH LOOSE GRAVEL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D45 - 02

LEGEND

- EXISTING SIGN ON PERMANENT SUPPORT
- NEW SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK ZONE

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

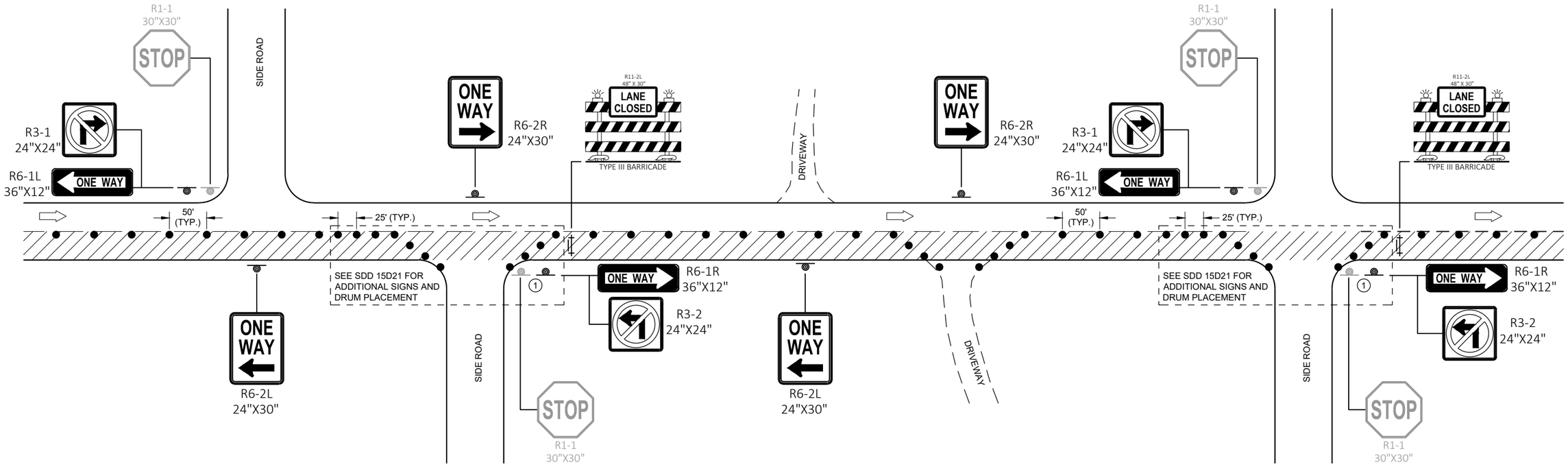
ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

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.

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.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) IF WORK OPERATIONS ALLOWS, MOVE R1-1, R6-1R, AND R3-2 CLOSER TO INTERSECTION.



TRAFFIC CONTROL
ONE - WAY SIGNING

TRAFFIC CONTROL
ONE-WAY SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE

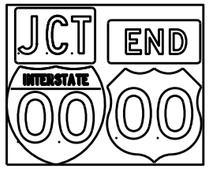
FHWA

SDD 15D46 - 01

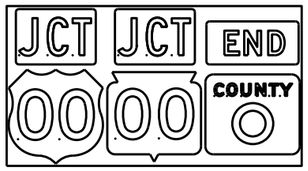
SDD 15D46 - 01

TYPICAL ASSEMBLIES

J1-1

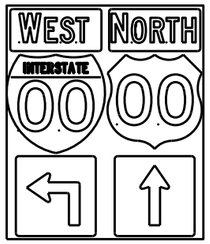


J1-2

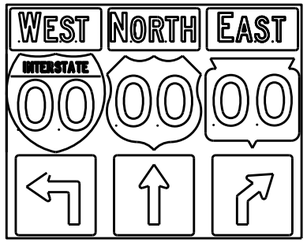


J1-3

J2-1



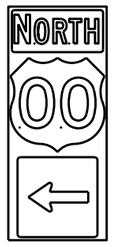
J2-2



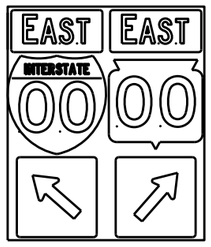
J2-3

JV

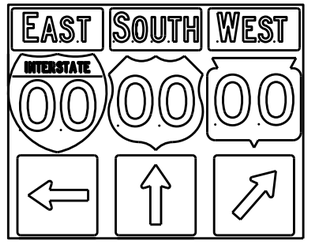
(Typical Vertical J-Assembly
See Note 10 and 11)



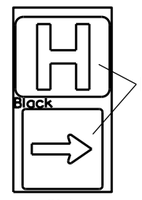
J3-1



J3-2



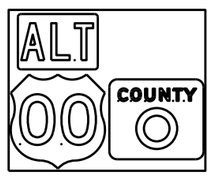
J3-3



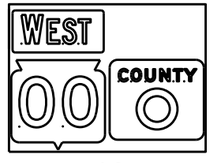
Blue Background

JH-1

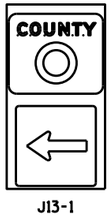
J4-1



J4-2



J4-2



J13-1

J12-1

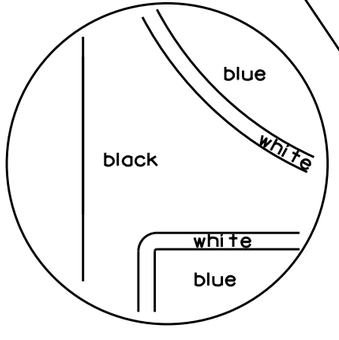
J32-1

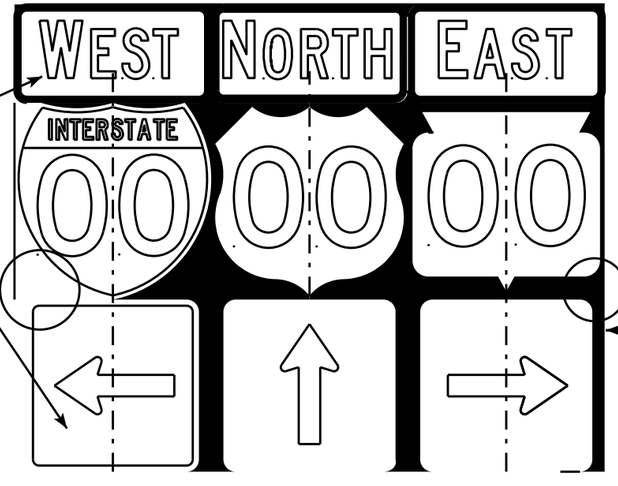
J33-1

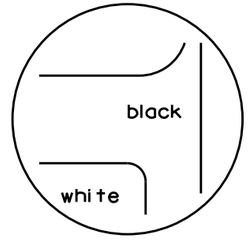
J23-1

J22-1

[blue background with interstate]







[black background]

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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

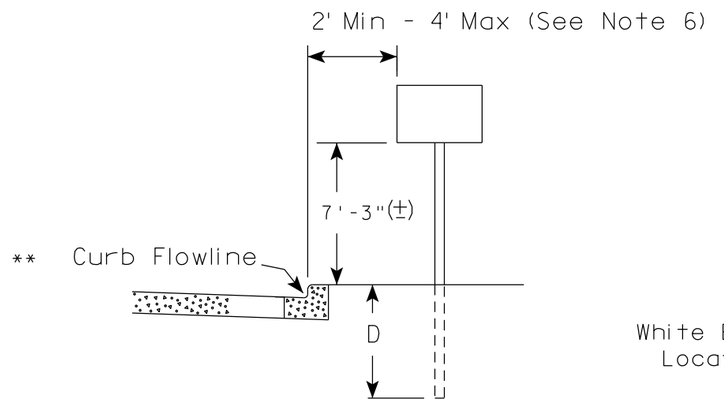
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/06/14 PL... A2-1S.8

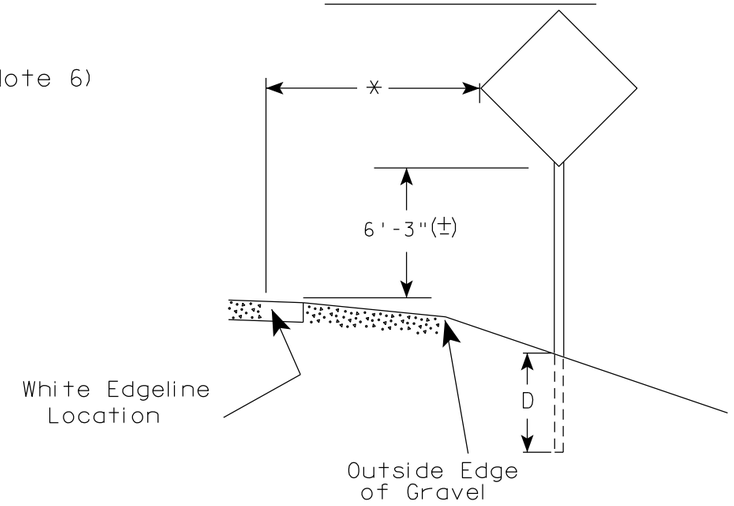
PROJECT NO: SHEET NO: E

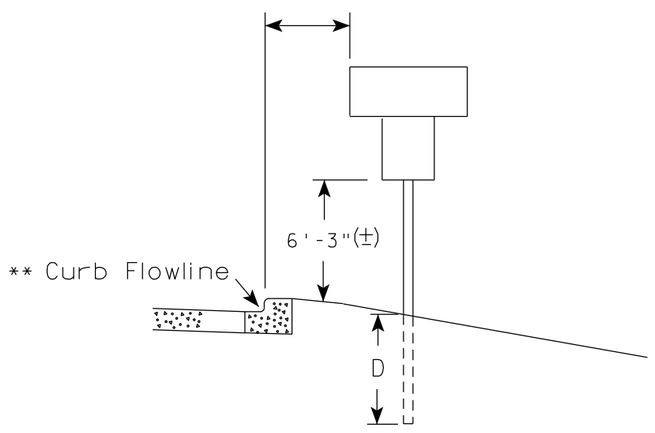
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN PLOT DATE : 06-FEB-2014 14:10 PLOT BY : mscsja PLOT NAME :
WISDOT/CADDS SHEET 42

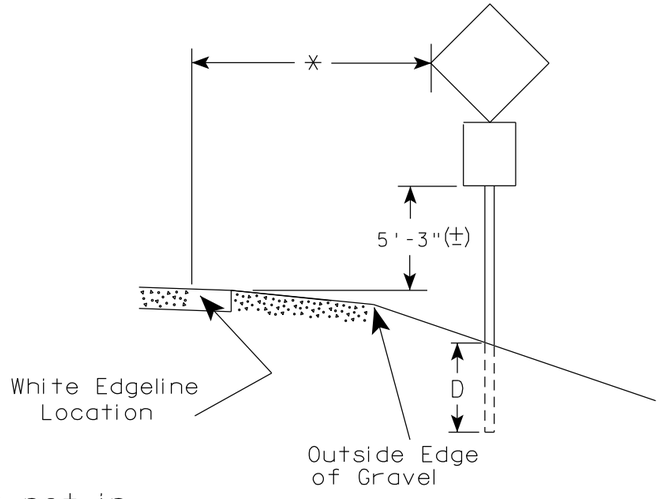
URBAN AREA



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.

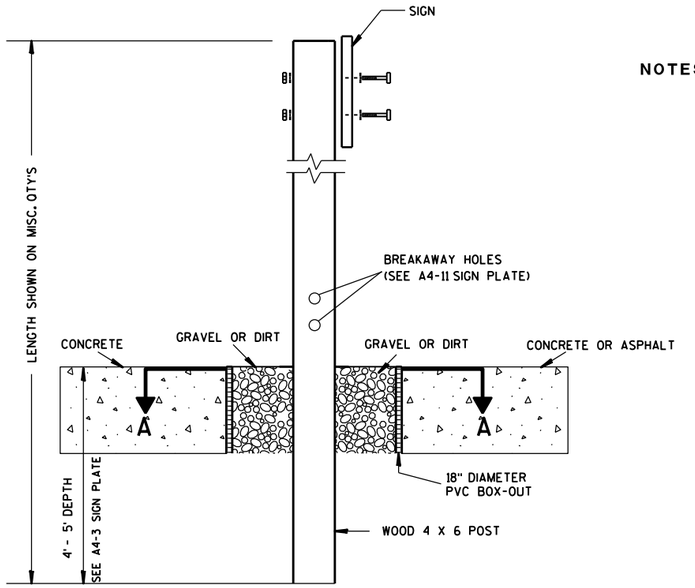
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

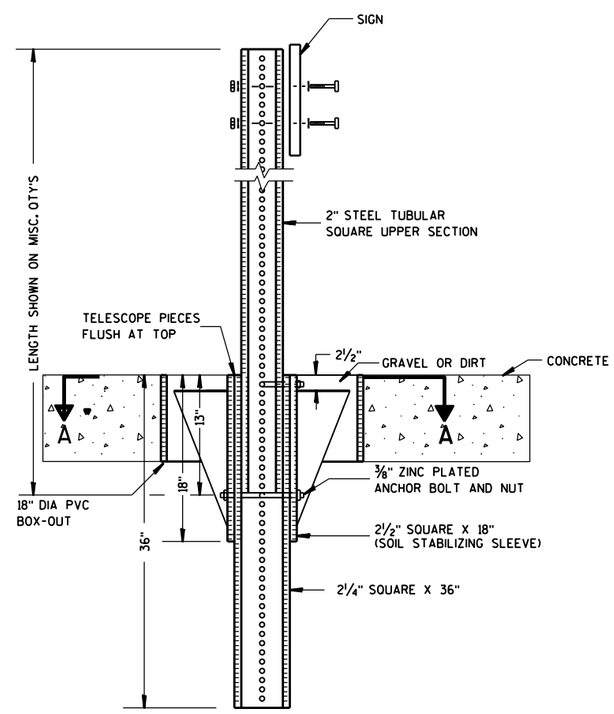
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 505	E



ELEVATION VIEW

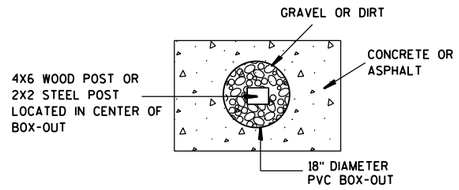
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

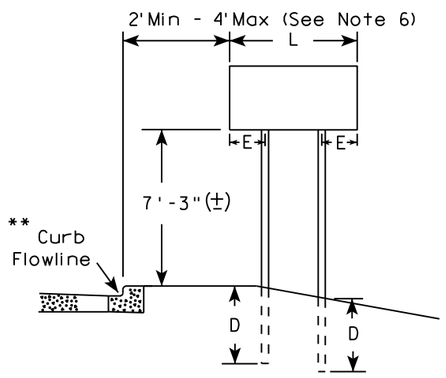
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

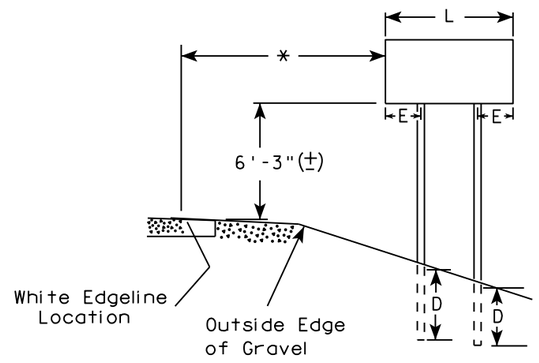
DATE 1/27/14 PLATE NO. A4-3B.1

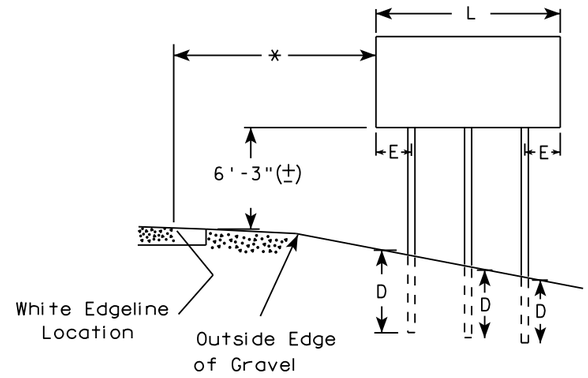
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

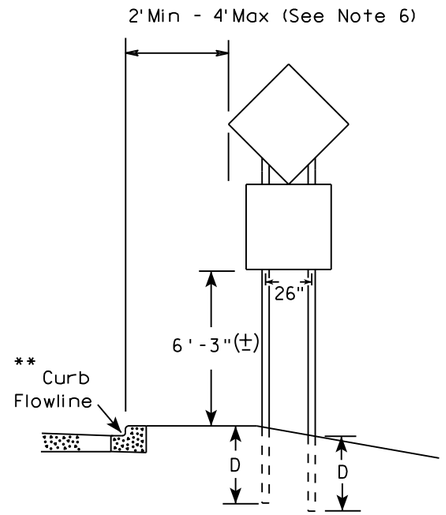
URBAN AREA



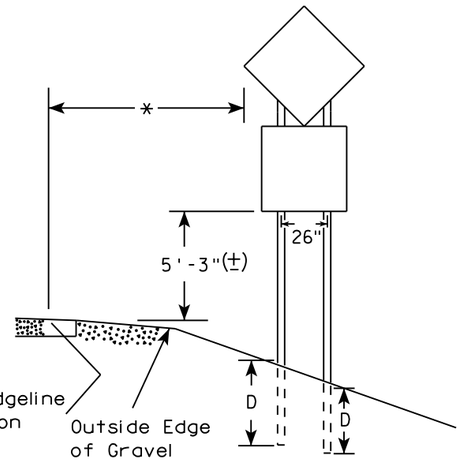
RURAL AREA (See Note 3)







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'

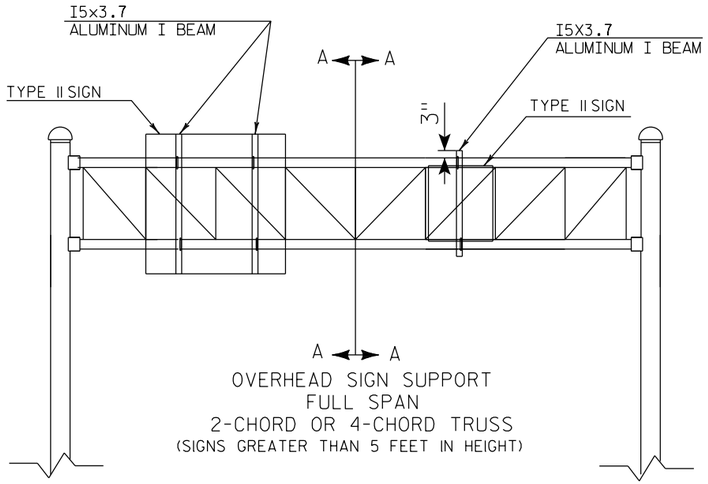
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

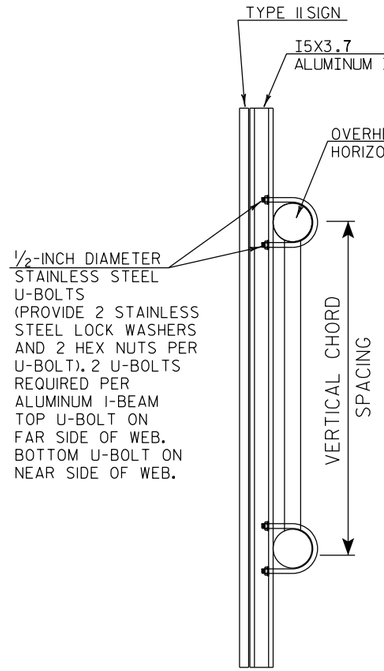
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

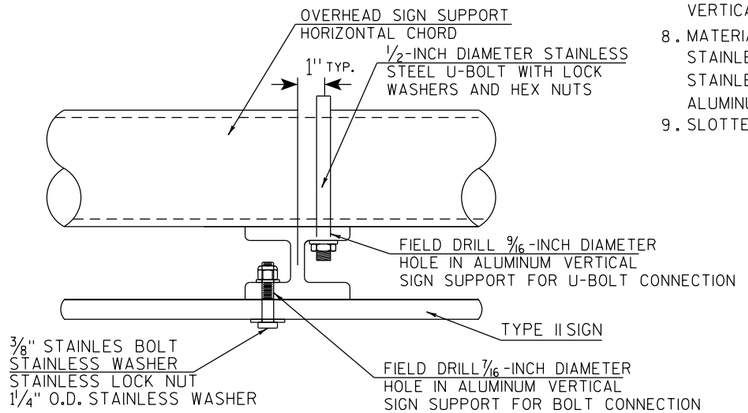
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 507	E



OVERHEAD SIGN SUPPORT
FULL SPAN
2-CHORD OR 4-CHORD TRUSS
(SIGNS GREATER THAN 5 FEET IN HEIGHT)



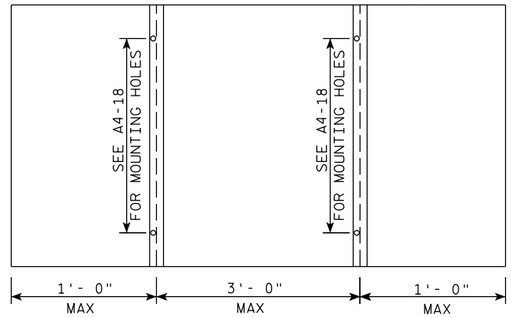
CUT SECTION A-A



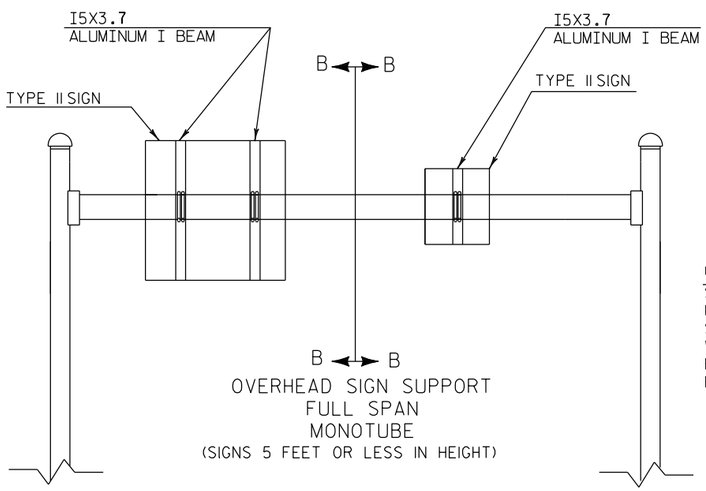
TYPICAL SIGN CONNECTION FOR
2-CHORD OR 4-CHORD TRUSS
PLAN VIEW

GENERAL NOTES

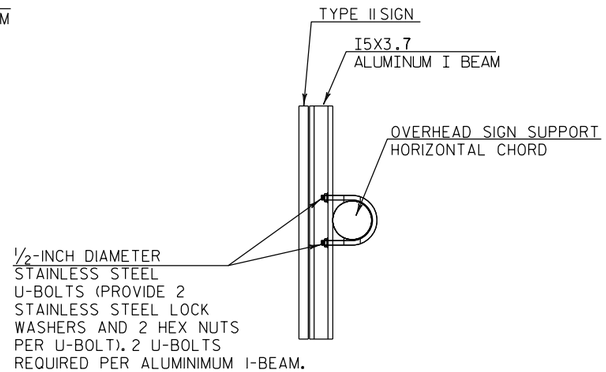
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE STAINLESS BOLTS AT BOLT HOLES IN SIGN PANEL PER SIGN PLATE A4-18.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
   STAINLESS STEEL U-BOLTS, BOLTS, AND LOCKWASHERS ASTM 304.
   STAINLESS STEEL HEX NUTS ASTM A276.
   ALUMINUM I-BEAMS ARE 6061-T6.
9. SLOTTED HOLES IN I-BEAMS ARE NOT ALLOWED



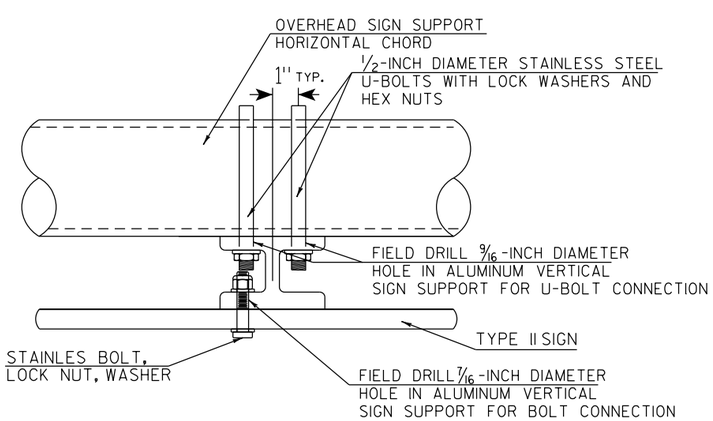
SPACING OF I5X3.7 ALUMINUM
MULTIPLE VERTICAL SIGN SUPPORTS



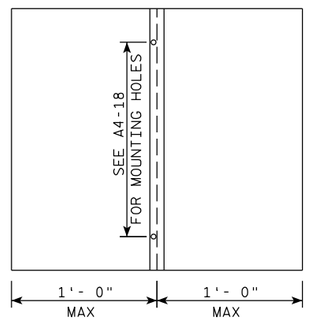
OVERHEAD SIGN SUPPORT
FULL SPAN
MONOTUBE
(SIGNS 5 FEET OR LESS IN HEIGHT)



CUT SECTION B-B



TYPICAL SIGN CONNECTION FOR
MONOTUBE
PLAN VIEW



SPACING OF I5X3.7 ALUMINUM
SINGLE VERTICAL SIGN SUPPORT

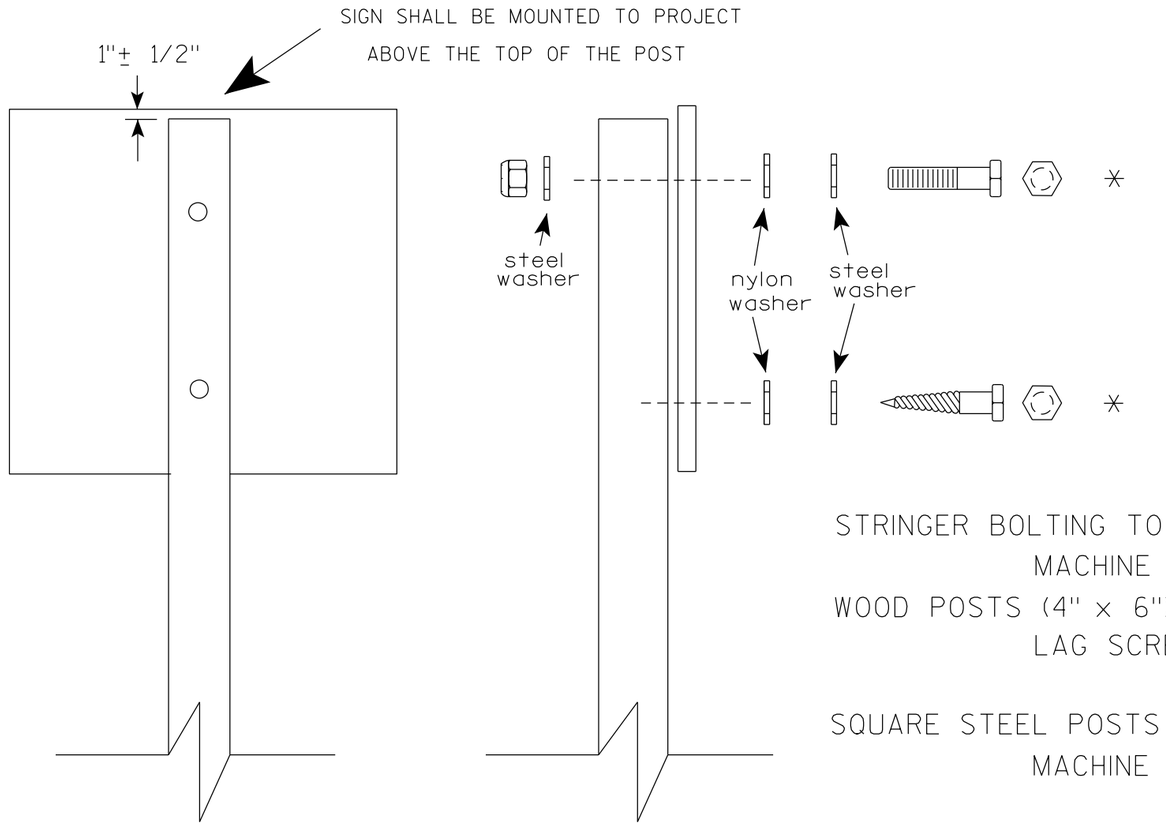
TYPE II SIGN CONNECTION
TO OVERHEAD SIGN SUPPORT

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/07/20 PLATE NO. A4-7B.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 508	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

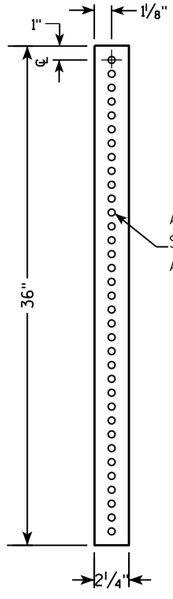
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

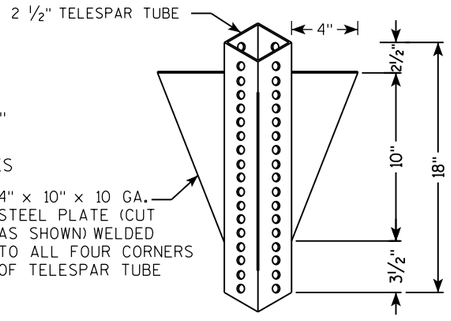
SHEET NO: 509 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

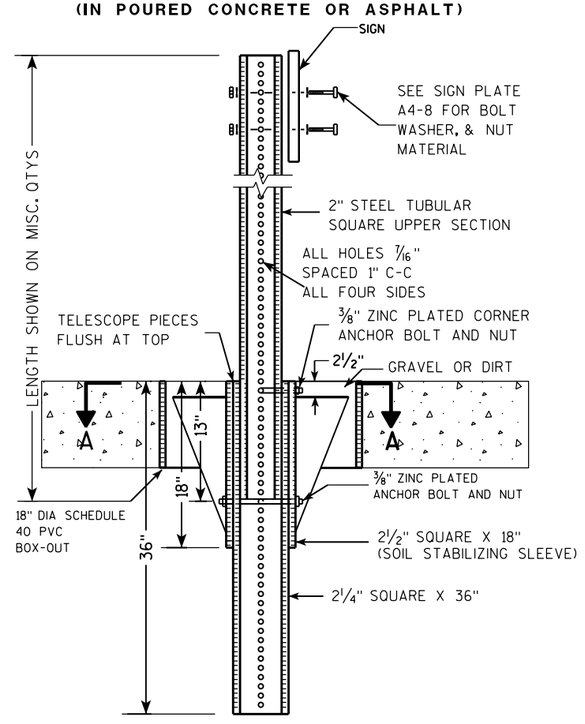
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



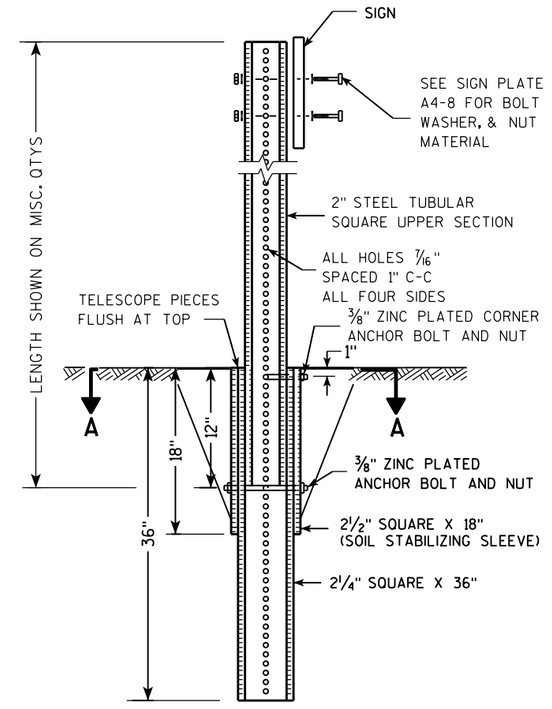
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

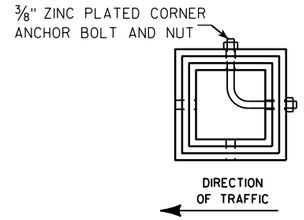


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

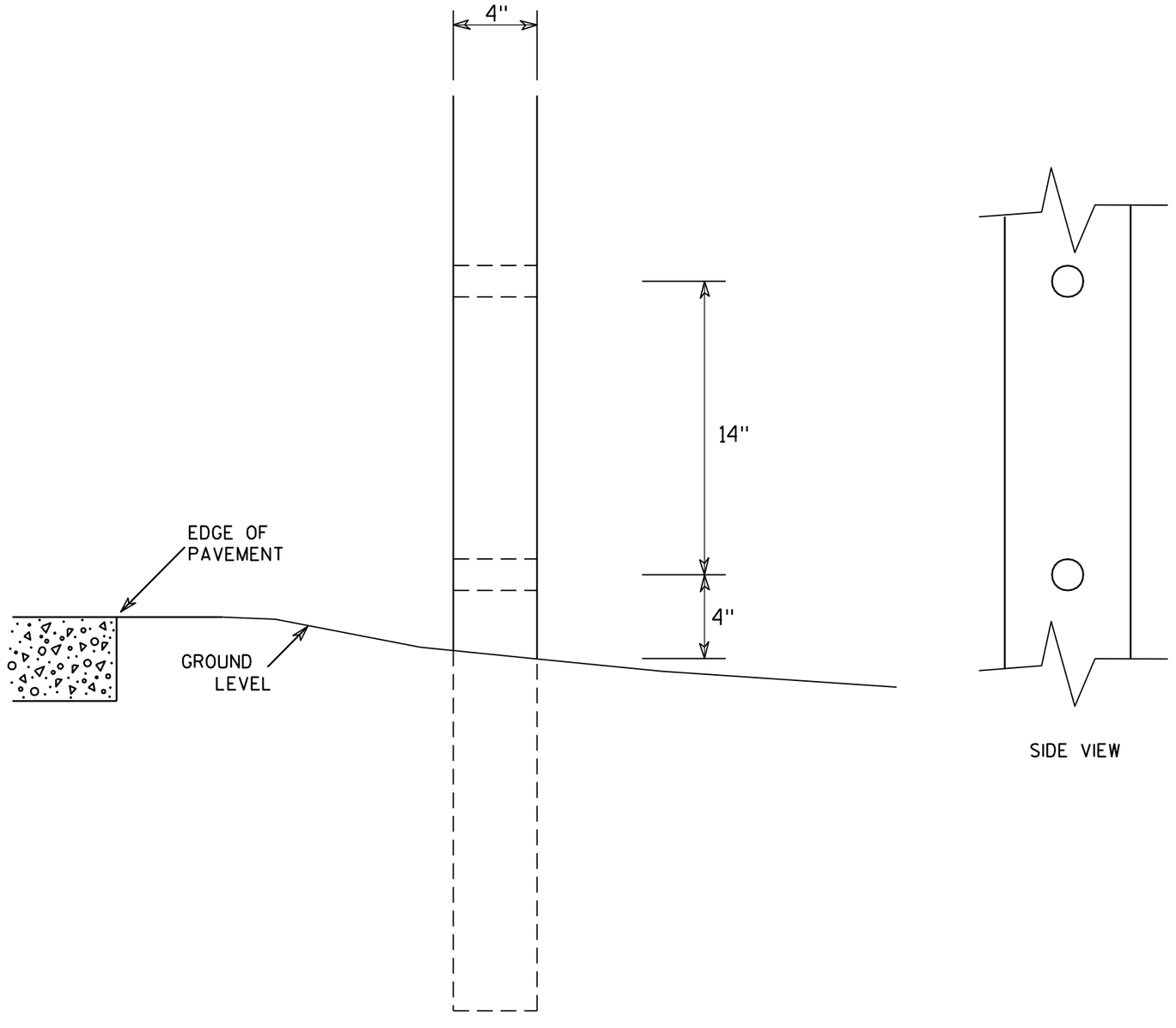
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 510 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

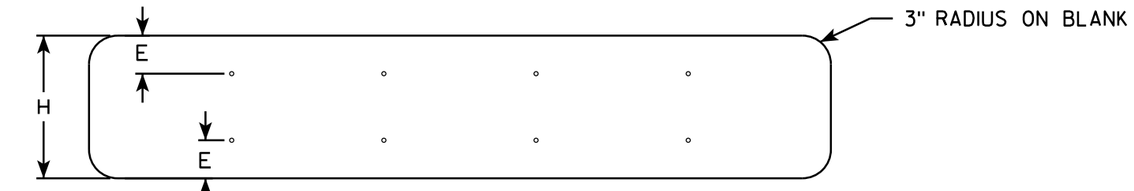
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

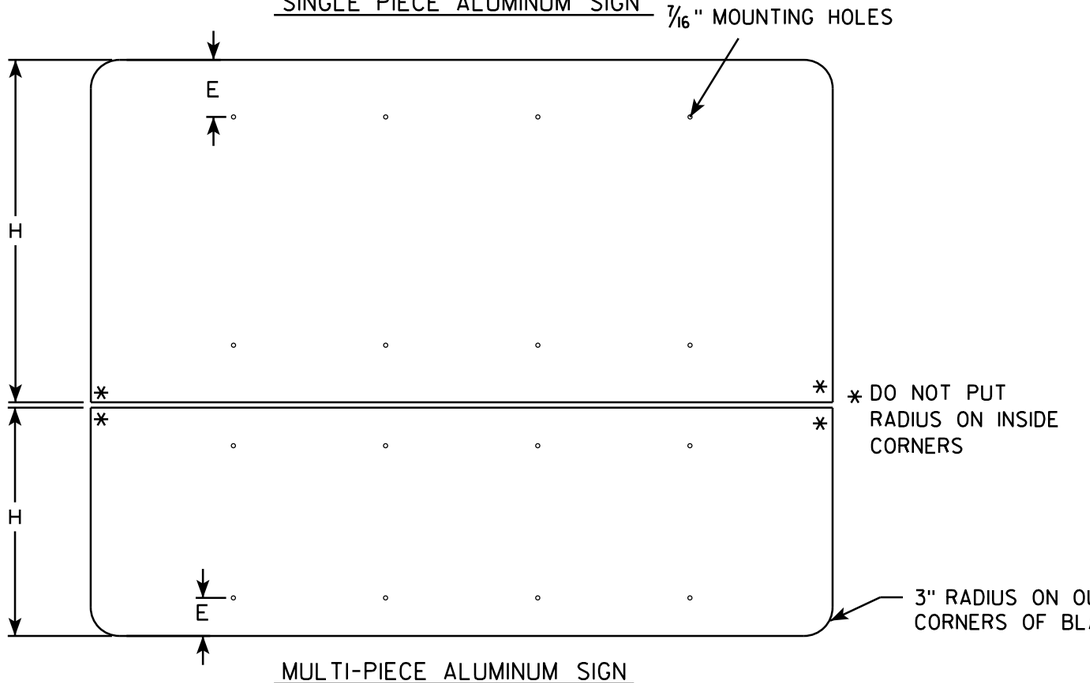
APPROVED Chester J Spang
for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 511	E



SINGLE PIECE ALUMINUM SIGN

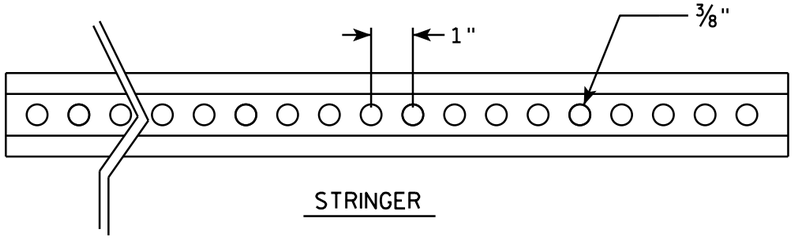


MULTI-PIECE ALUMINUM SIGN

GENERAL NOTES

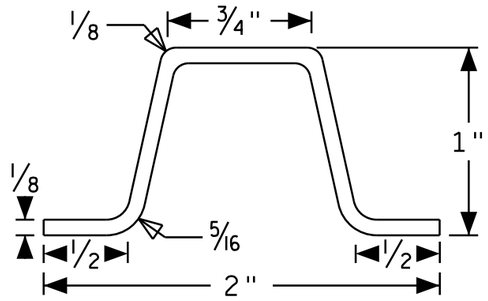
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

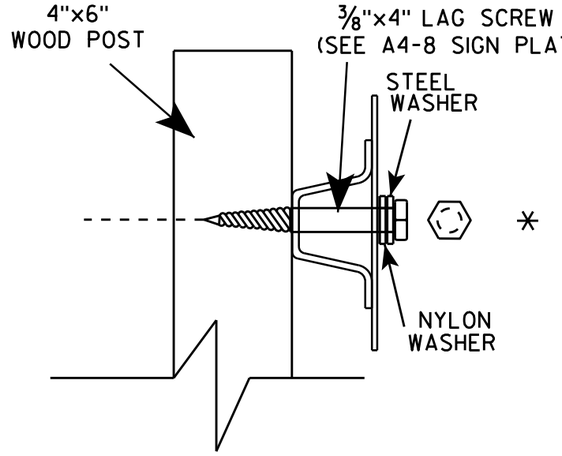


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

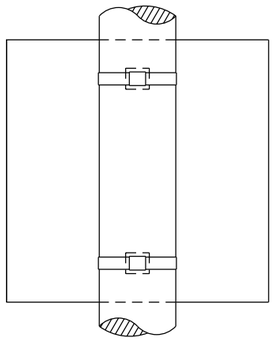
DATE 4/26/16 PLATE NO A4-18.1

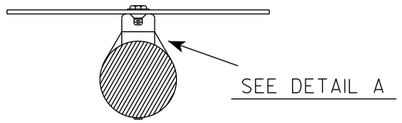
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

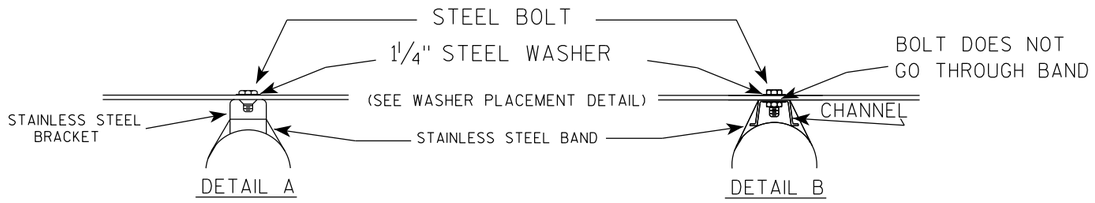
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

BANDING

SINGLE SIGN



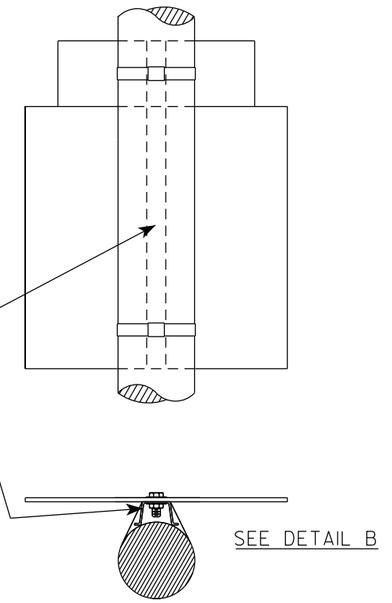




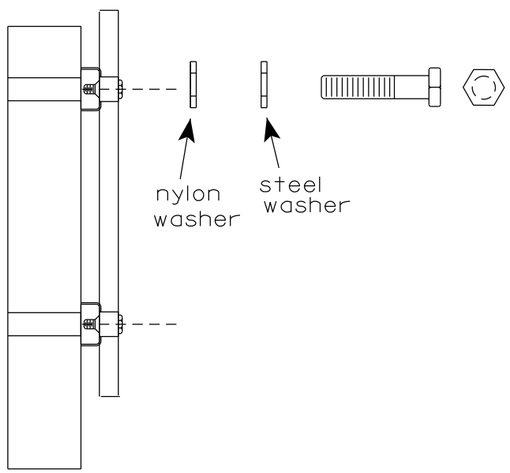
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

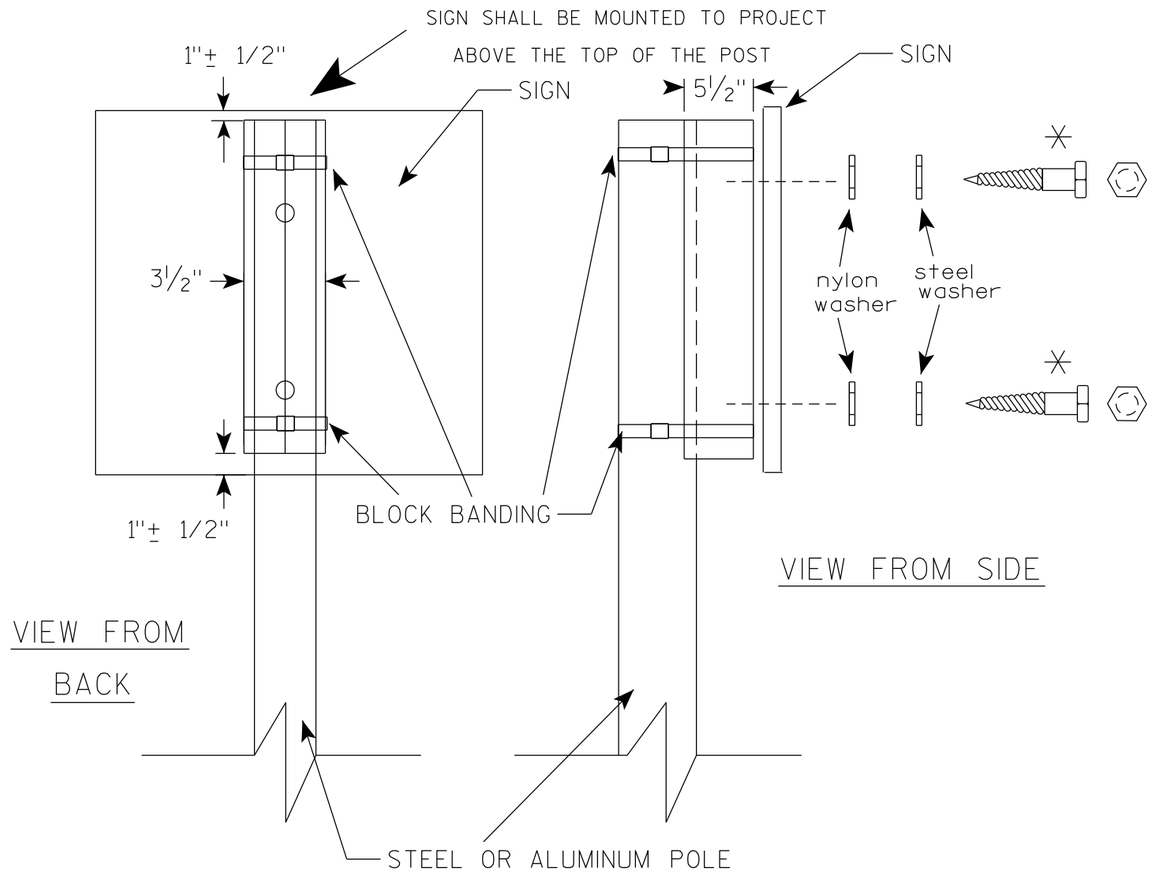
DATE 6/10/19 PLATE NO. A5-9.4

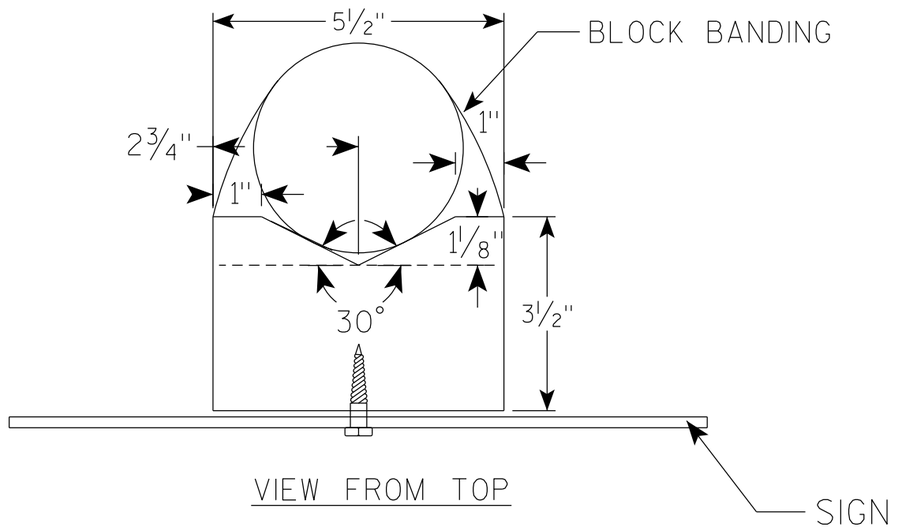
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 513	E

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

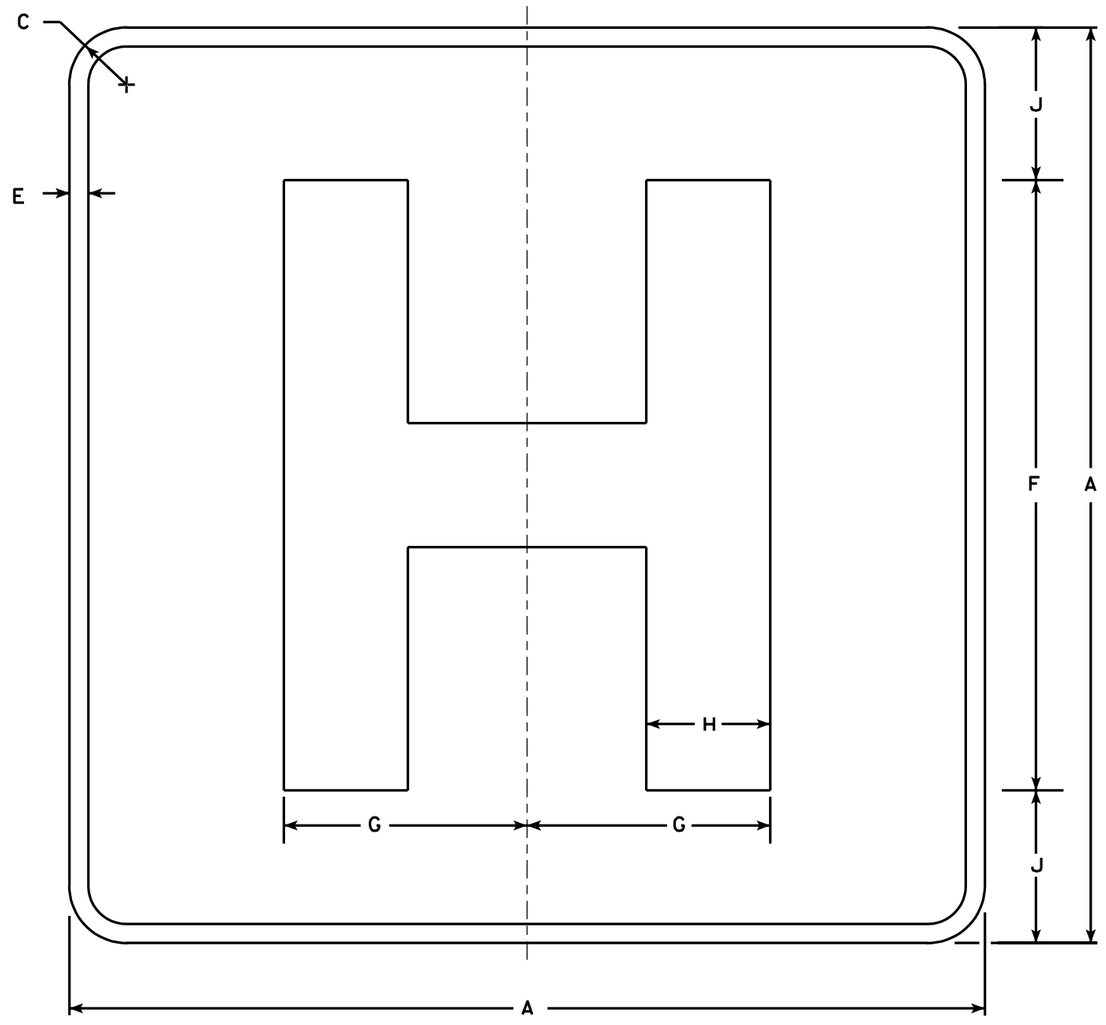
DATE 6/10/19 PLATE NO. A5-10.2

PROJECT NO: | SHEET NO: 514 | E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A510.dgn PLOT DATE : 10-JUN 2019 4:15 PLOT BY : mscj9h

WISDOT/CADDS SHEET 42

7 7



D9-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Blue
   Message - White - Type H Reflective
3. Message Series - E Modified
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	450 mmX 450 mm
2	600 mmX 600 mm
3	900 mmX 900 mm
4	X
5	X

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/8		1/2	12	4 3/4	2 3/8		3																	4.0
2	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
3	36		2 1/4		3/4	24	9 1/2	4 7/8		6																	9.0
4																											
5																											

STANDARD SIGN
D9-2

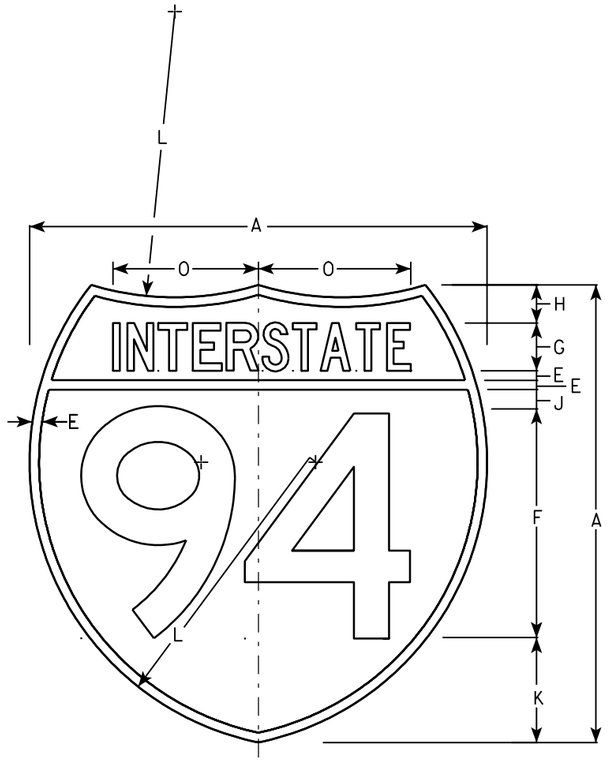
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spong
for State Traffic Engineer

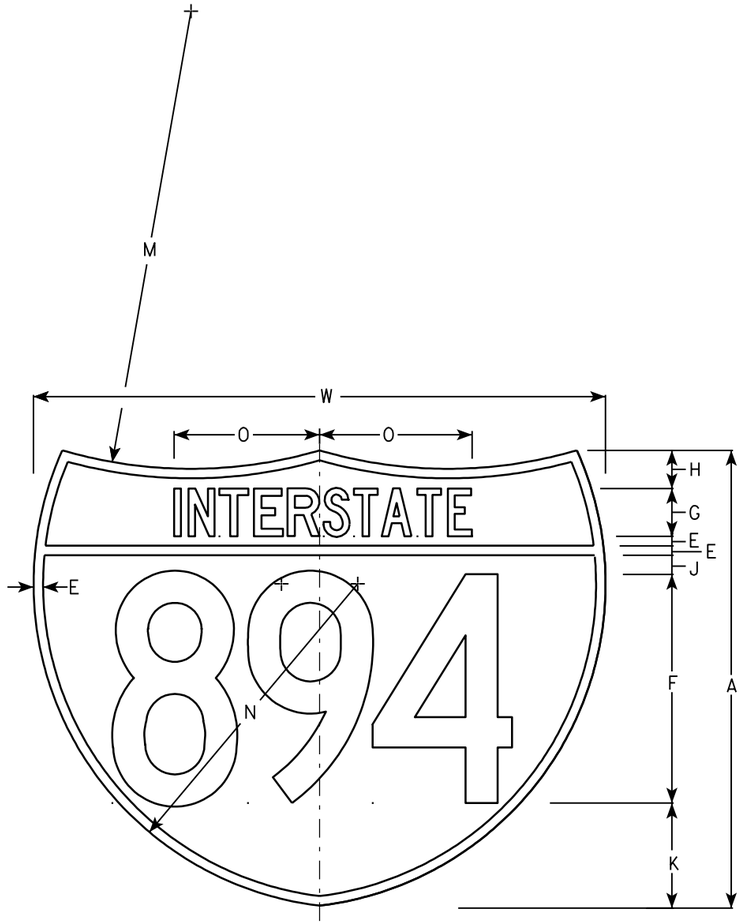
DATE 1/15/02 PLATE NO. D9-2.4

PROJECT NO:

SHEET NO: 515 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

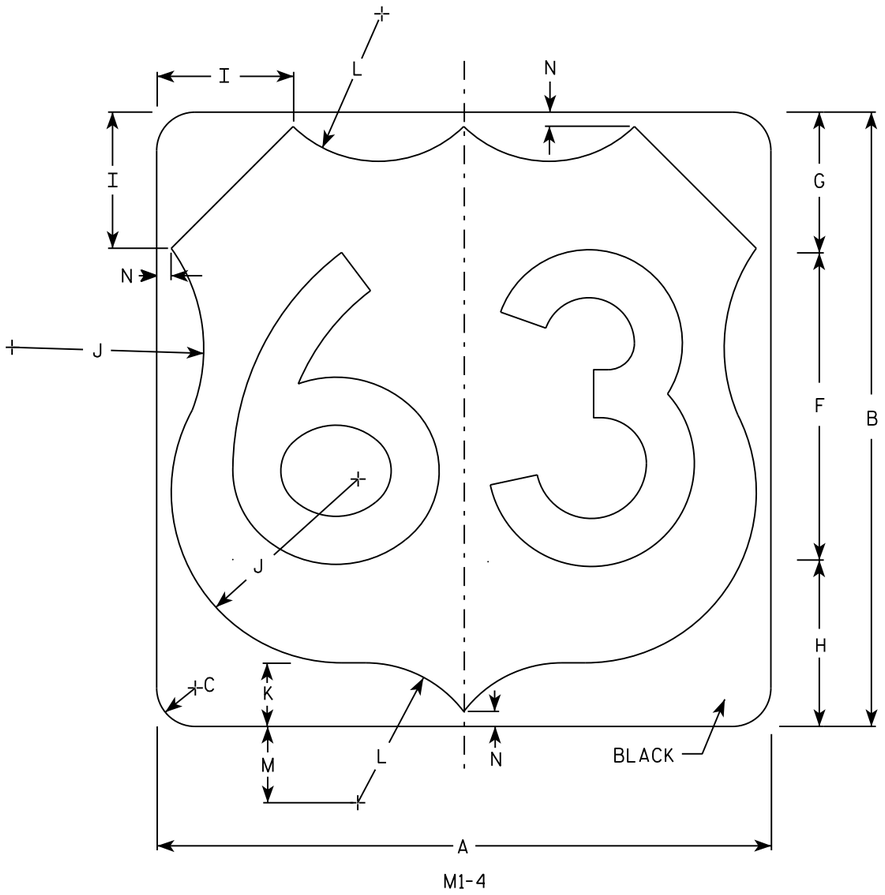
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 08/23/05 PLATE NO. M1-1.8

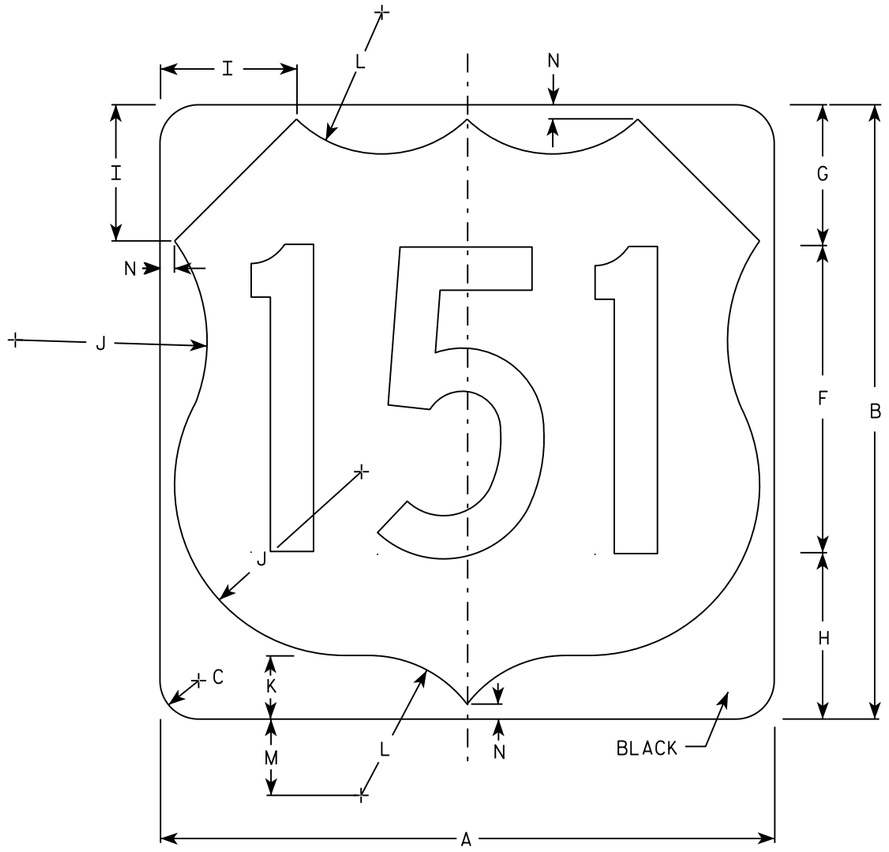
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 516	E

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

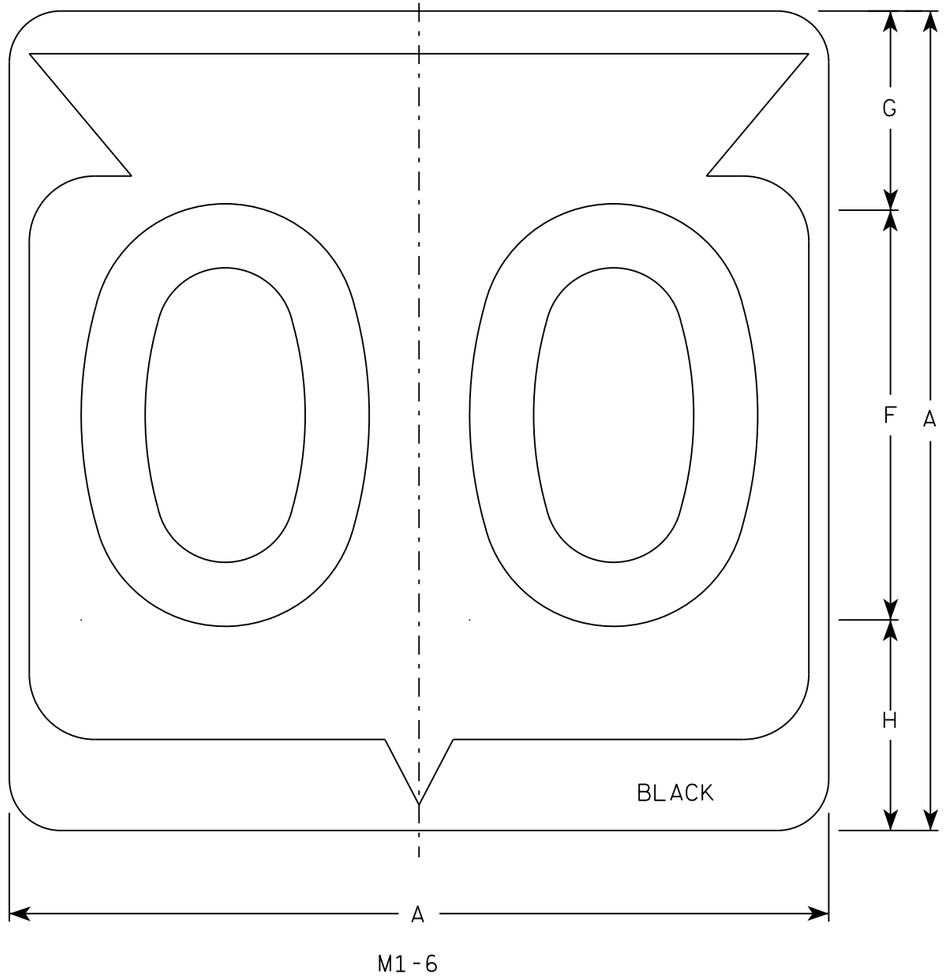
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-4.10

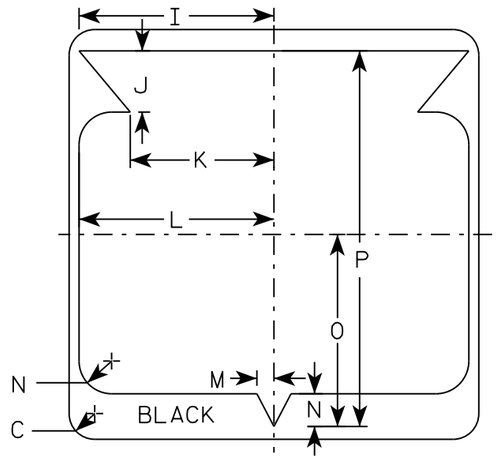
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 517 | E



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

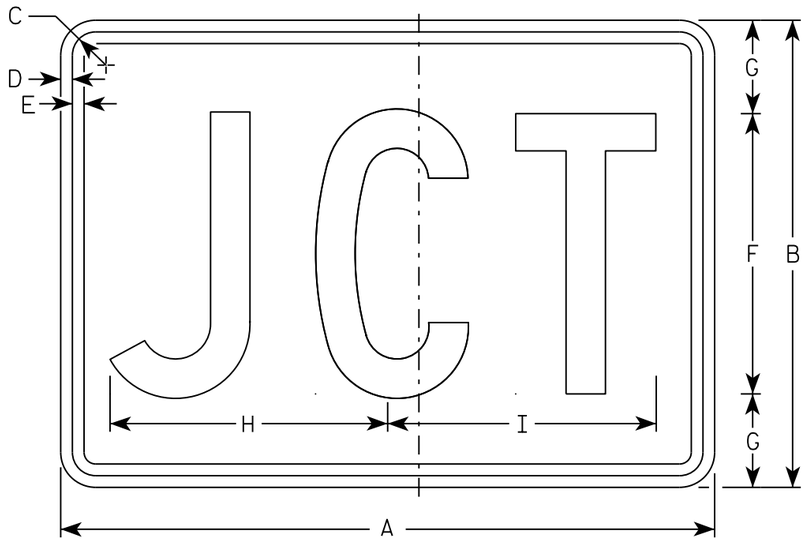
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

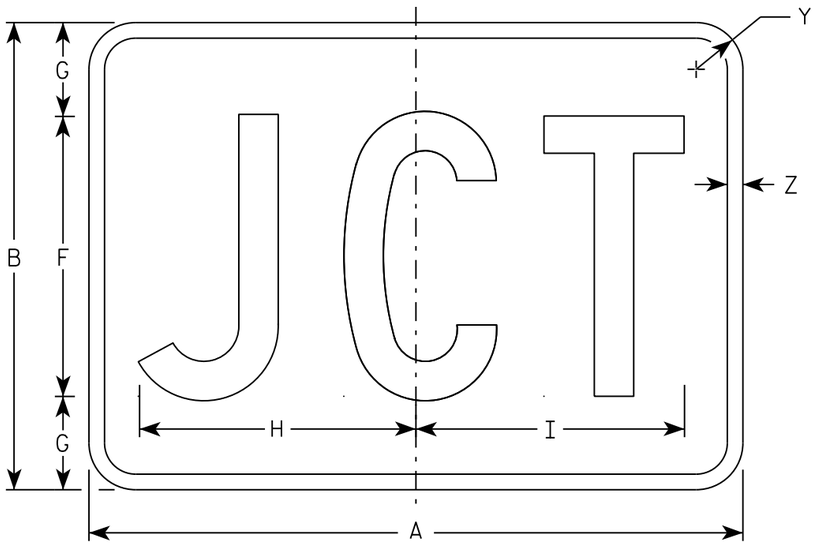
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 518	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

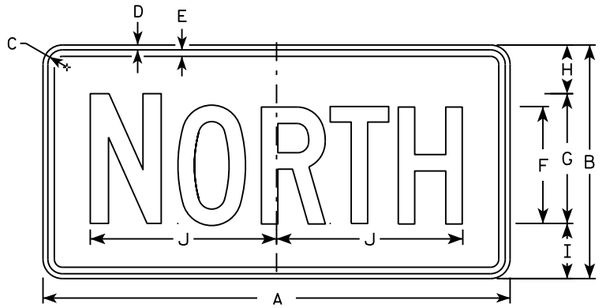
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

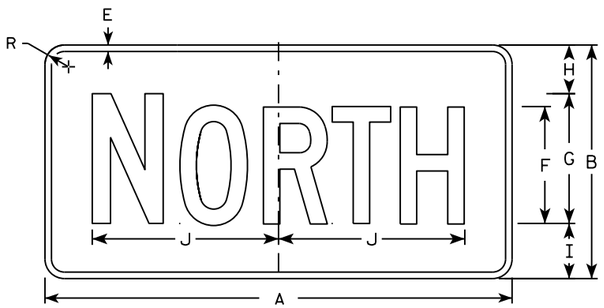
DATE 10/15/15 PLATE 519 12-1.12

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



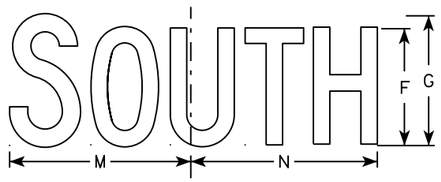
M3-1
MM3-1
MP3-1



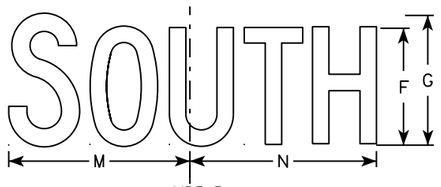
MB3-1
MK3-1
MN3-1

M3-2
MM3-2
MP3-2

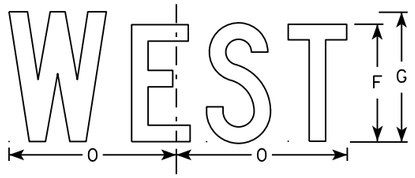
MB3-2
MK3-2
MN3-2



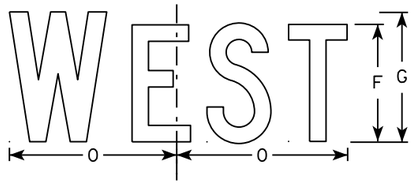
M3-3
MM3-3
MP3-3



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

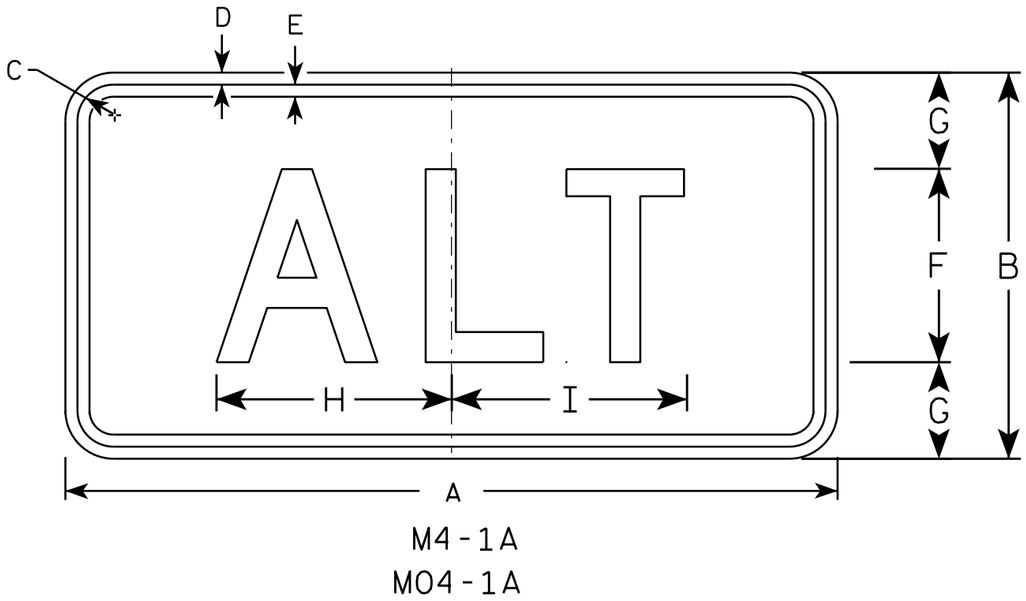
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

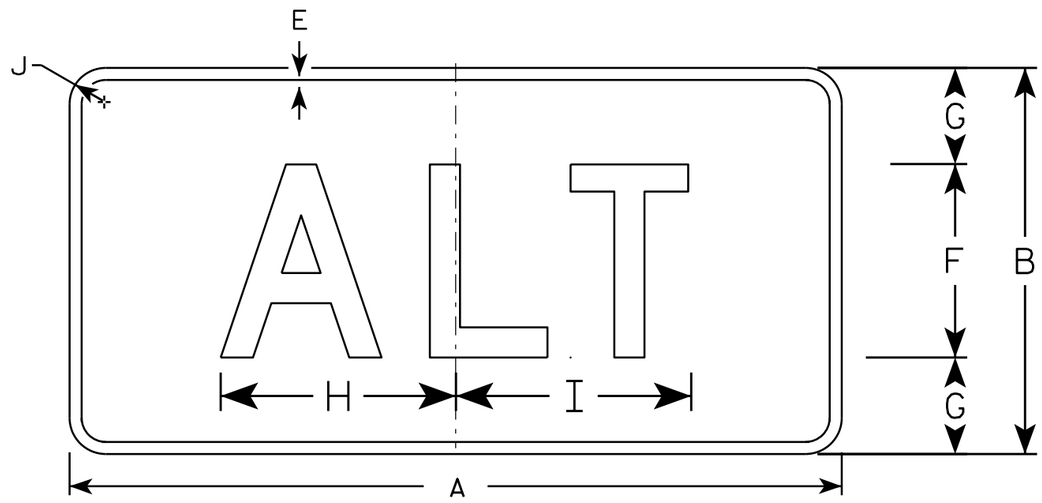
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-1A
M04-1A

NOTES

1. Sign is Type II - Type H except as Shown
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. M4-1A Background - White
   Message - Black
   MB4-1A Background - Blue
   Message - White
   M04-1A Background - Orange - Type F
   Message - Black



MB4-1A

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 1/4	7 3/8	1 1/8																	2.00
3	36	18	1 1/8	3/8	1/2	9	4 1/2	11	11 1/8	1 1/8																	4.5
4	36	18	1 1/8	3/8	1/2	9	4 1/2	11	11 1/8	1 1/8																	4.5
5	36	18	1 1/8	3/8	1/2	9	4 1/2	11	11 1/8	1 1/8																	4.5

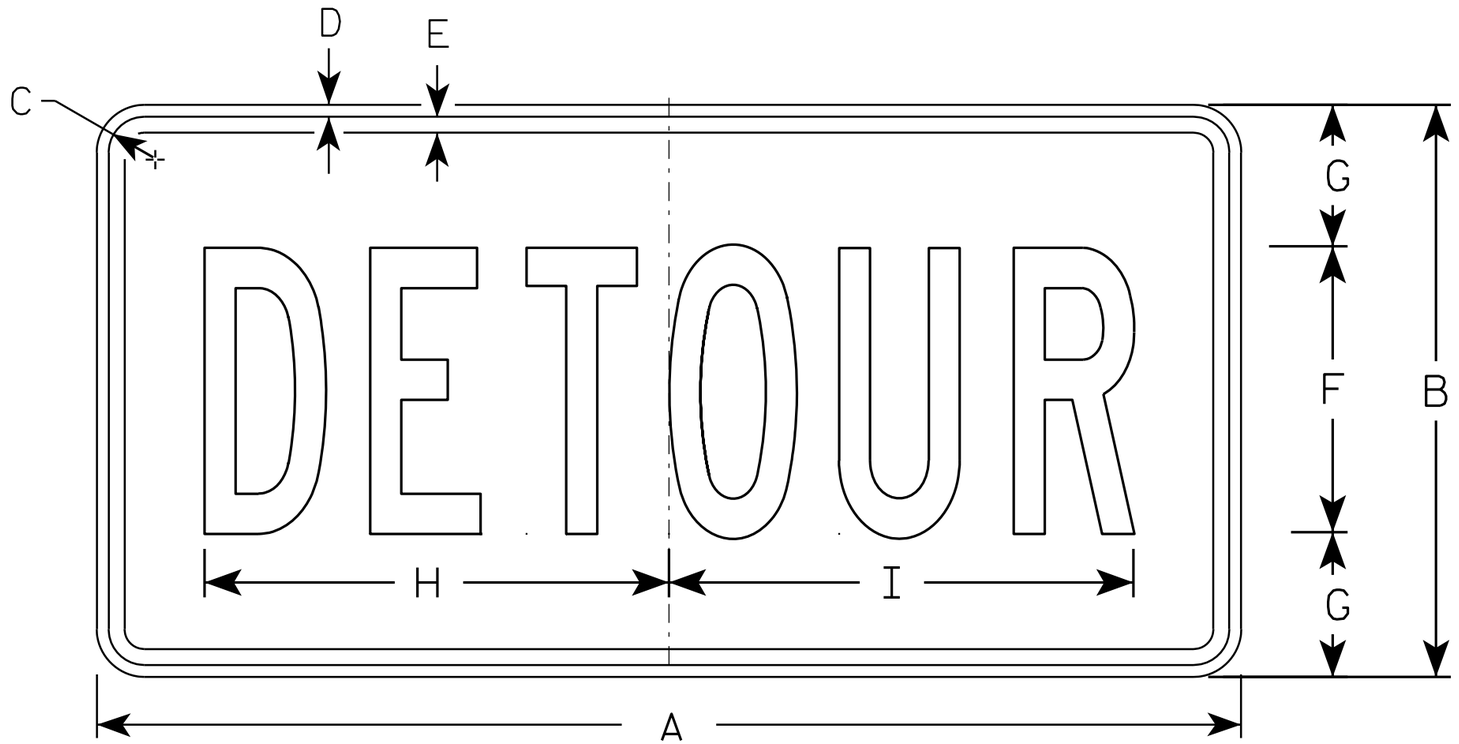
STANDARD SIGN
M4-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/30/14 PLATE 521 M4-1A.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

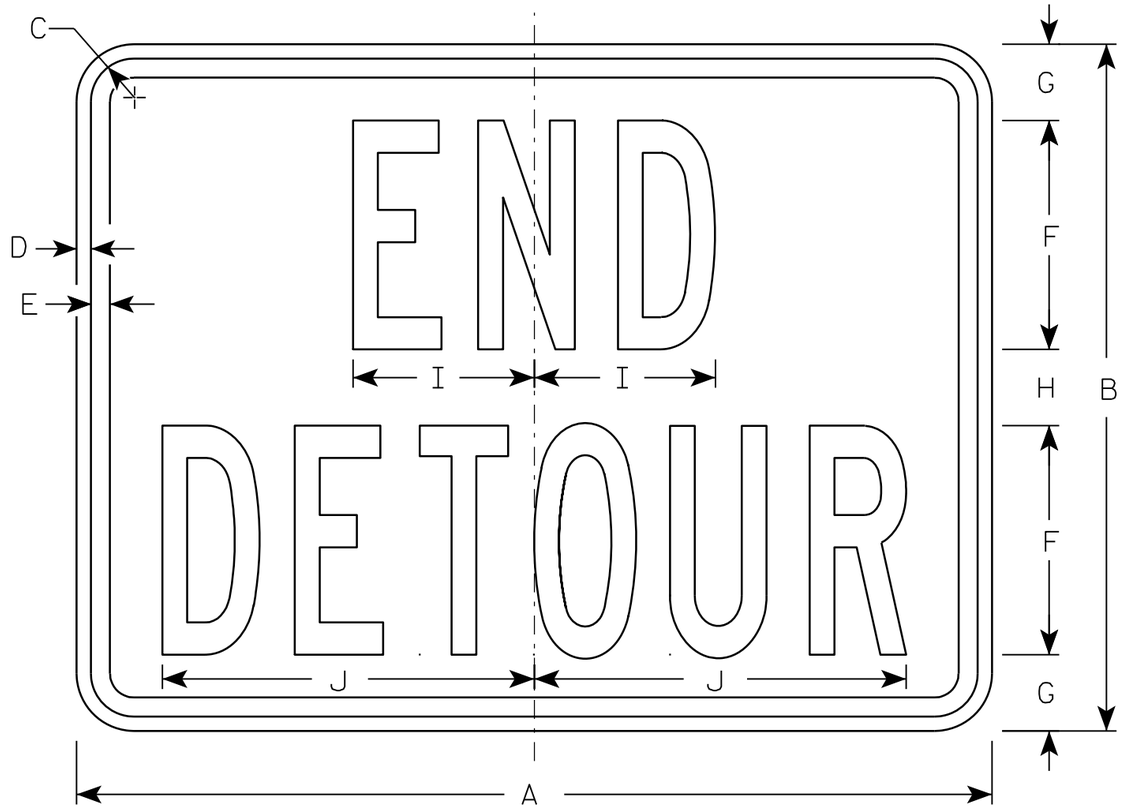
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 522	E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

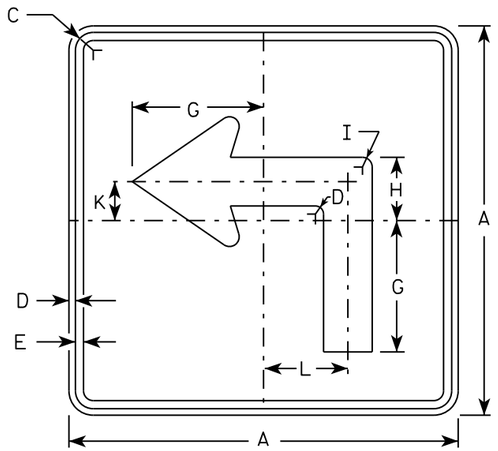
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

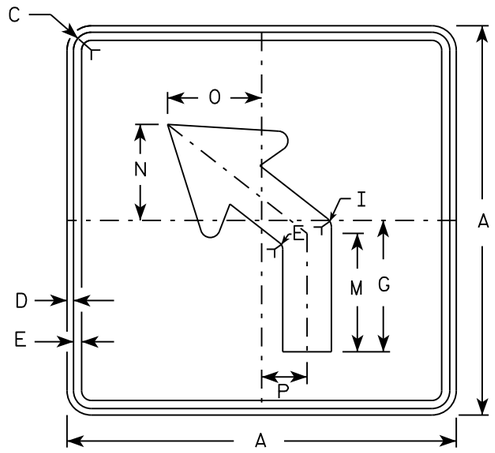
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

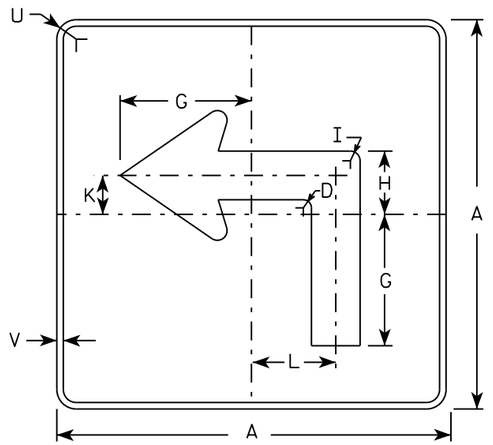
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 523	E



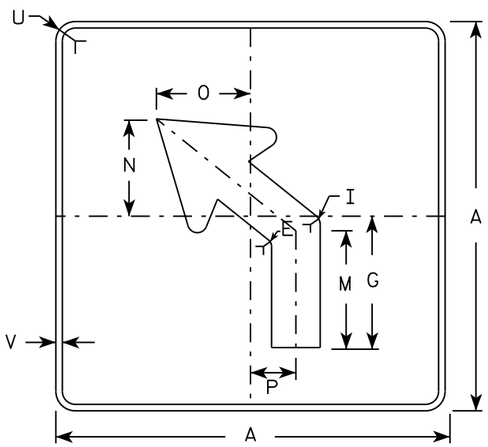
M5-1L
MM5-1L
MO5-1L
MP5-1L



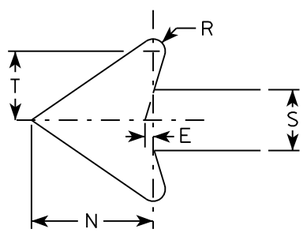
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

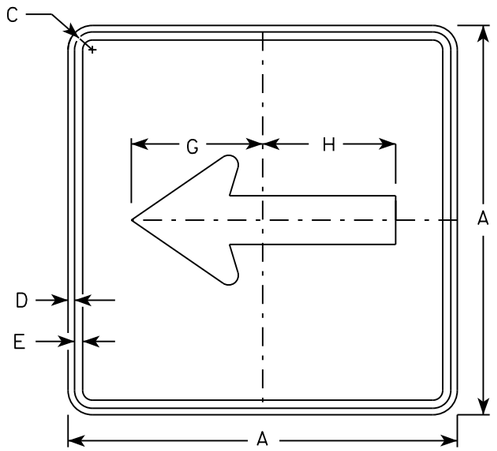
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

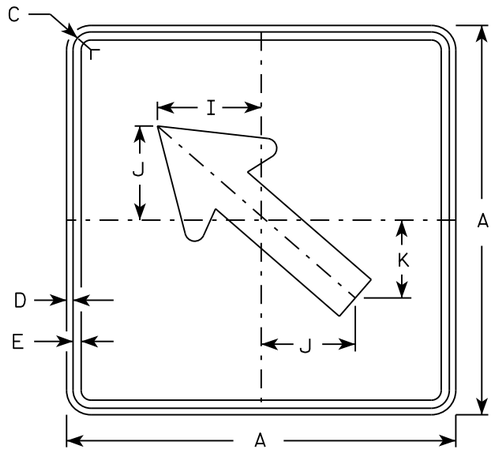
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



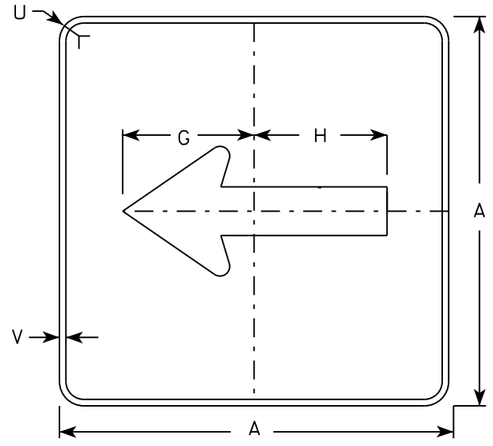
M6-1
MM6-1
MO6-1
MP6-1



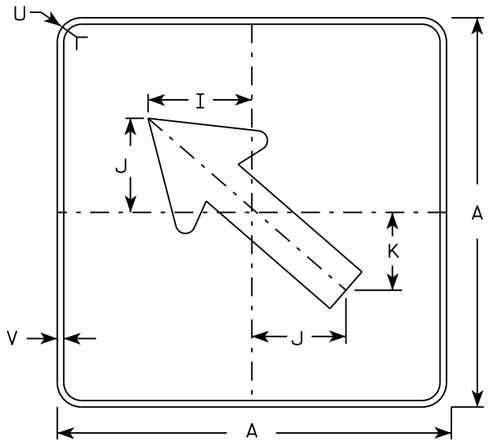
M6-2
MM6-2
MO6-2
MP6-2

NOTES

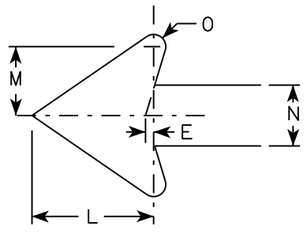
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

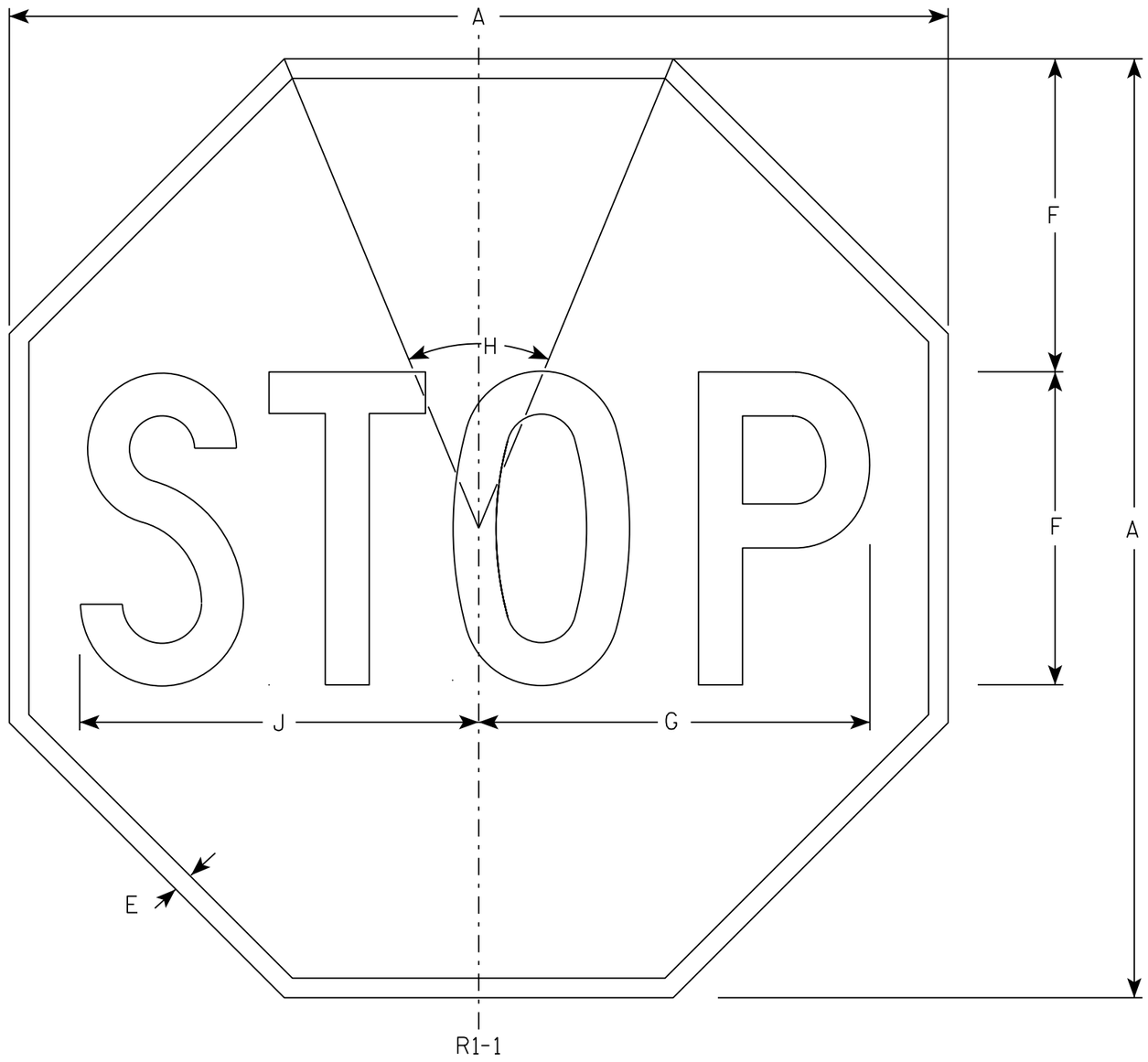
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 525 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

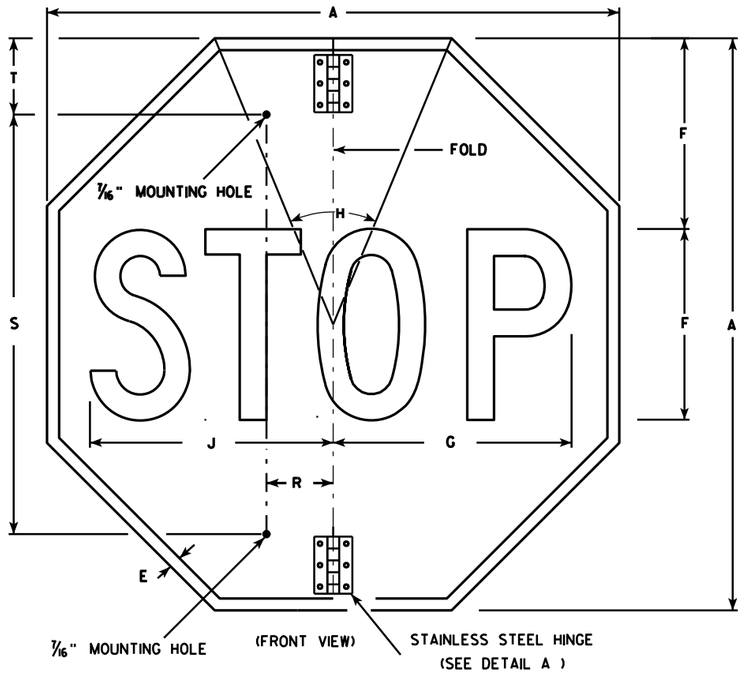
STANDARD SIGN
R1-1

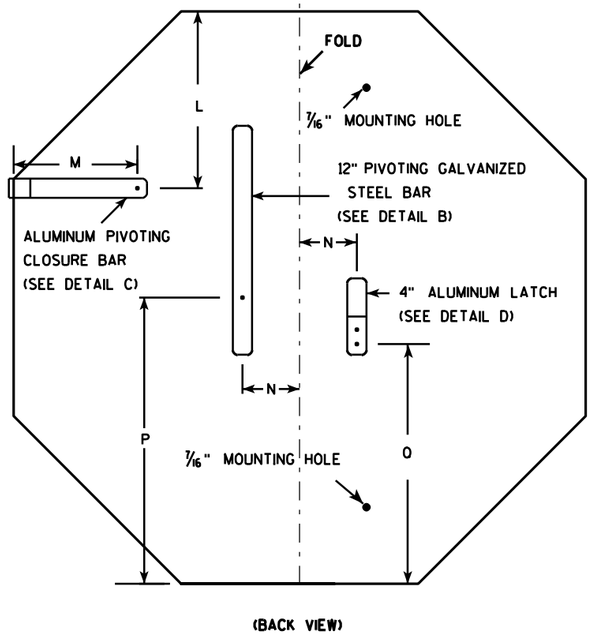
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

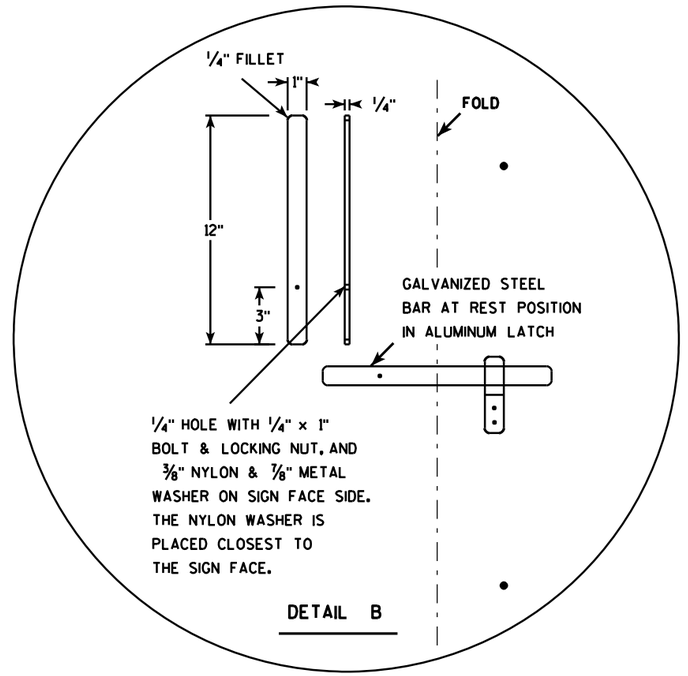
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 526	E



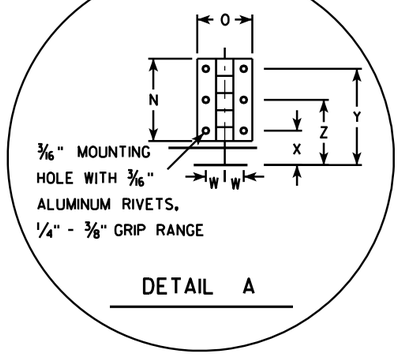


NOTES

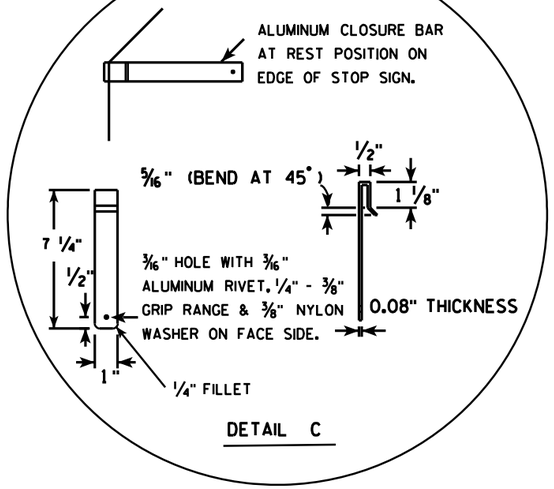
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.



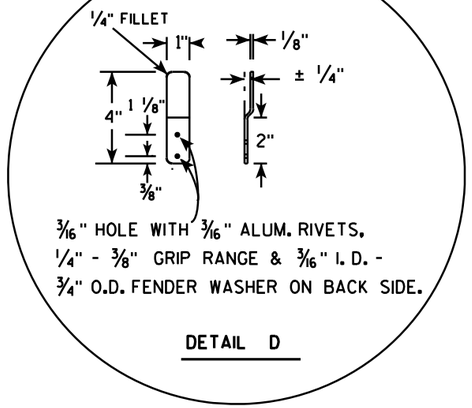
DETAIL B



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																											

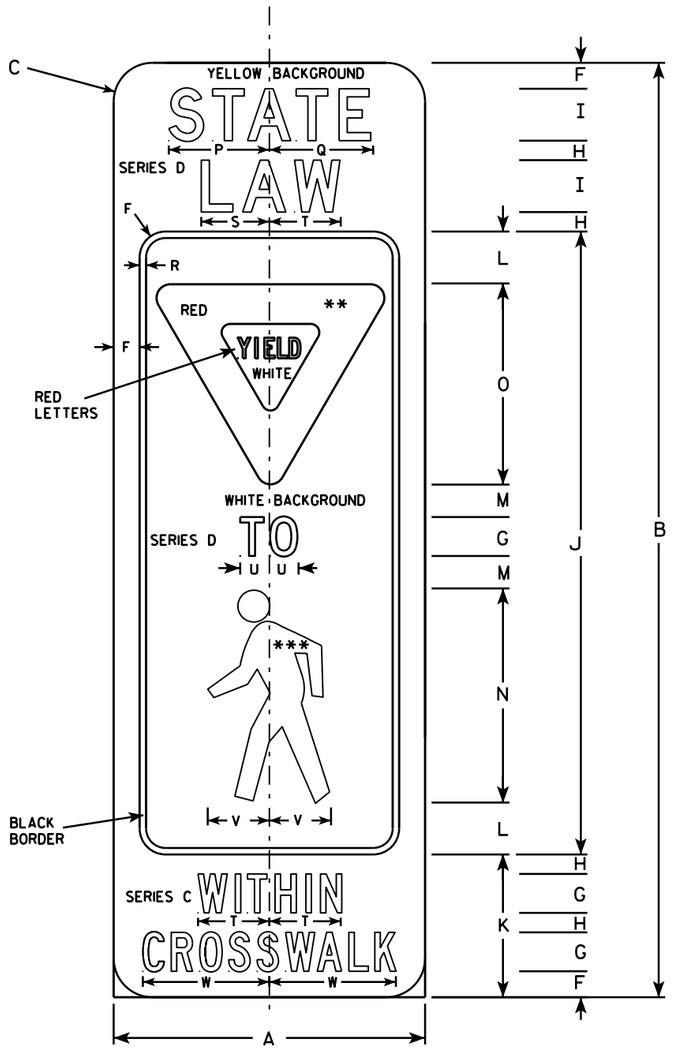
STANDARD SIGN
R1-1F

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: 527	E



R1-6

** INSERT R1-2 AND SIZE TO FIT

*** INSERT W11-2 AND SIZE TO FIT

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - YELLOW
   Message - BLACK
   YIELD SYMBOL - RED ON WHITE
   PED SYMBOL - BLACK ON WHITE
3. Message Series - AS SHOWN AND IN TABLE
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36	1 ½			1	1 ½C	¾	2 D	24	5 ½	2	1 ¼	8 ¼	7 ¾	3 ⅞	4	¼	2 ⅝	2 ¾	1 ⅛	2 ⅜	4 ⅞				3.0
2M	12	36	1 ½			1	1 ½C	¾	2 D	24	5 ½	2	1 ¼	8 ¼	7 ¾	3 ⅞	4	¼	2 ⅝	2 ¾	1 ⅛	2 ⅜	4 ⅞				3.0
3																											
4																											
5																											

STANDARD SIGN
R1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

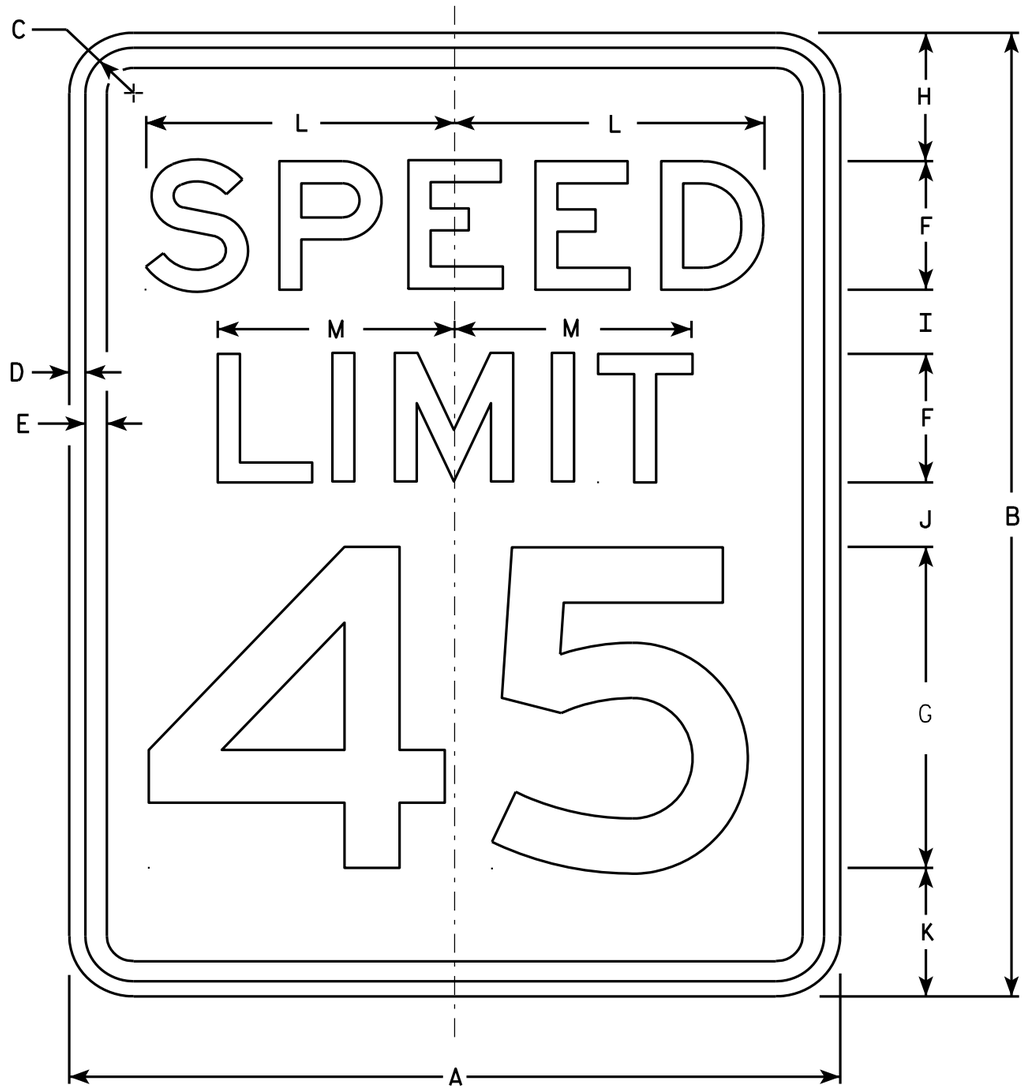
DATE 4/29/14 PLATE NO. R1-6.3

PROJECT NO:

SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R16.DGN PLOT DATE : 30-APR-2014 10:49 PLOT BY : mscsja

WISDOT/CADDS SHEET 42



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

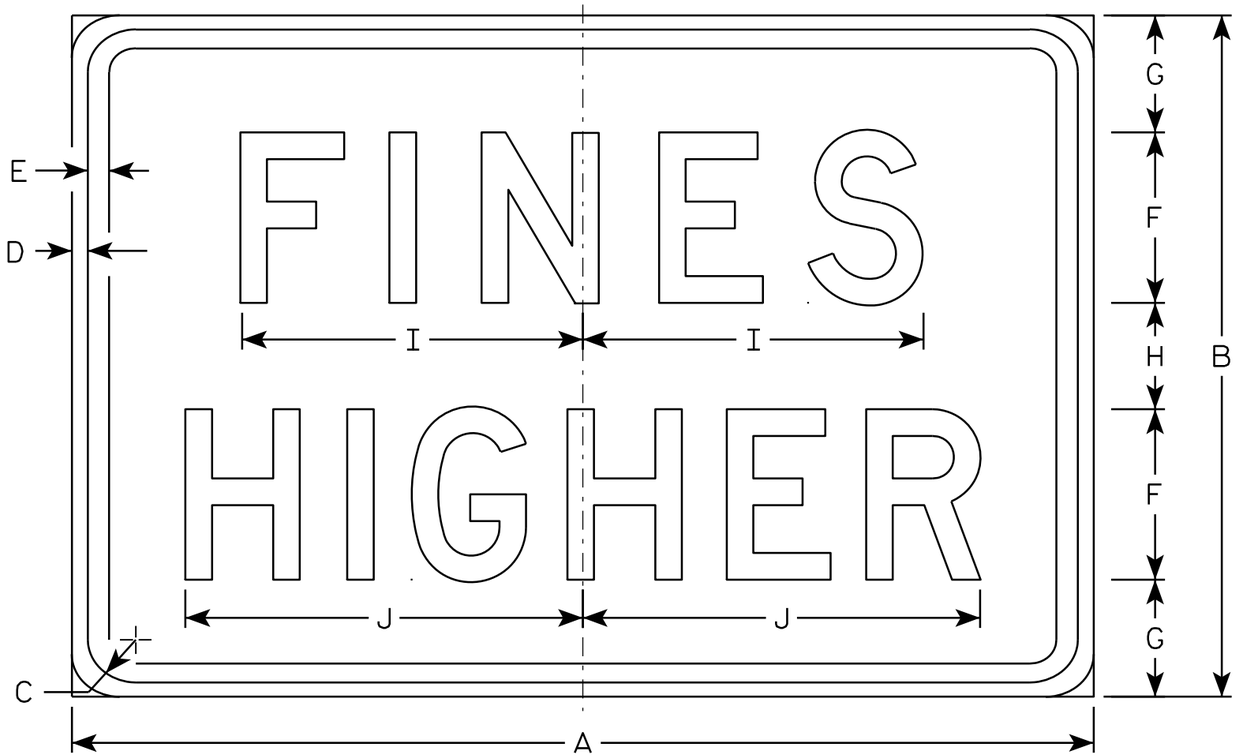
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 529	E



R2-6P

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
2M	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
3	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
4	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
5	48	36	1 3/8	1/2	5/8	8	7	6	15 1/8	19																	12.0

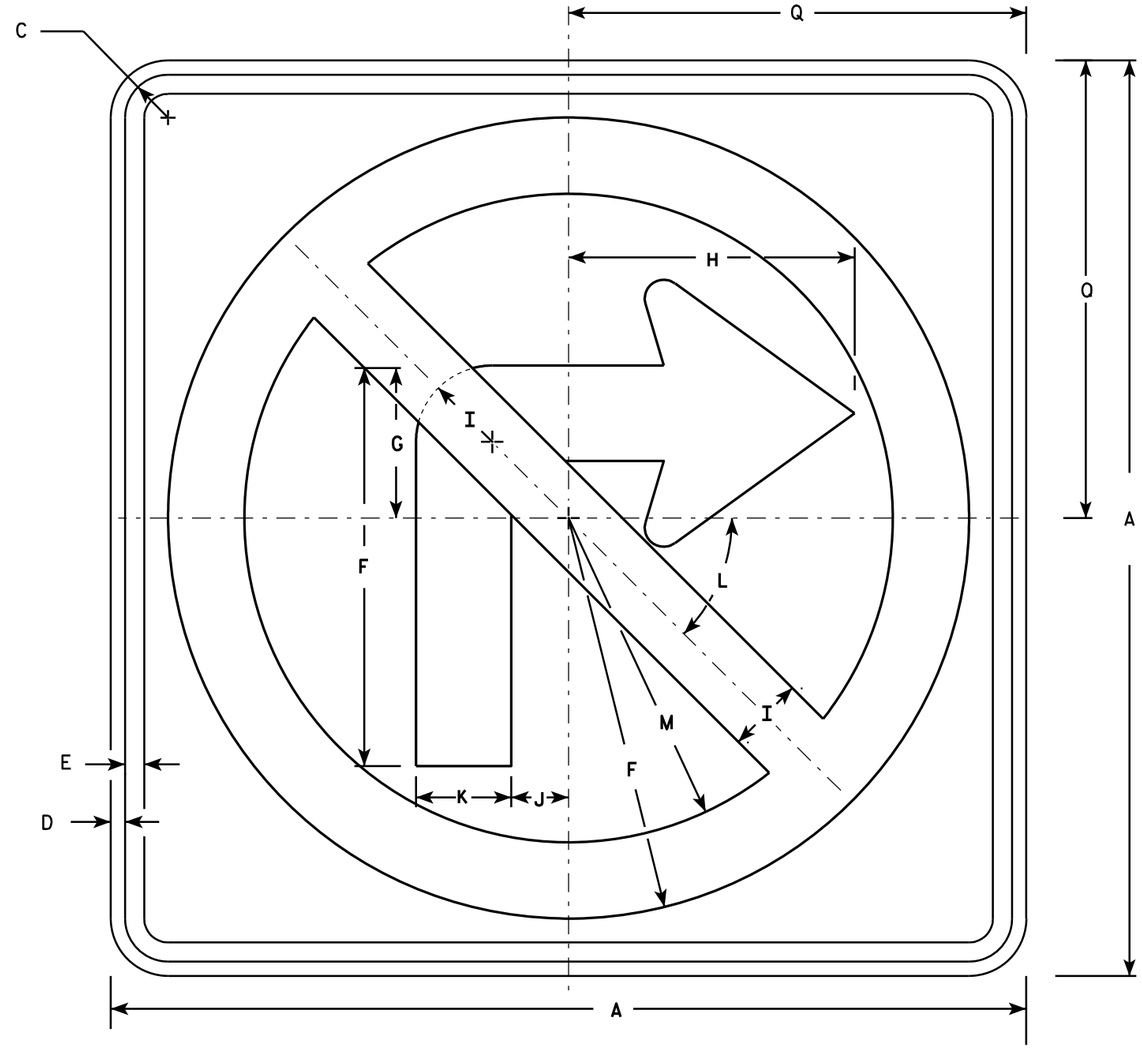
STANDARD SIGN
R2-6P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/10 PLATE NO. R2-6P.2

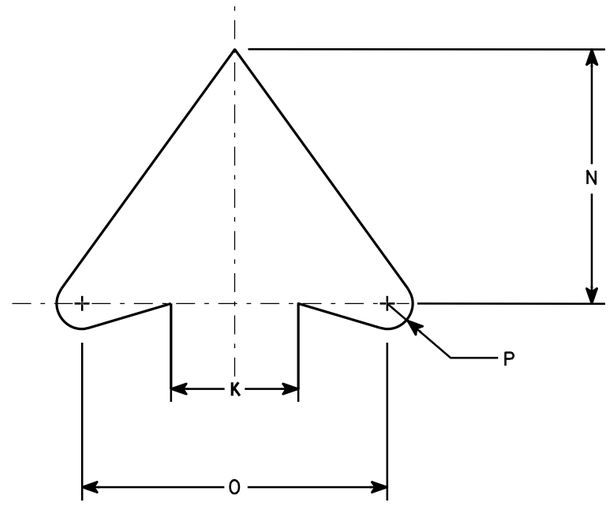
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 530 | E



R3-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

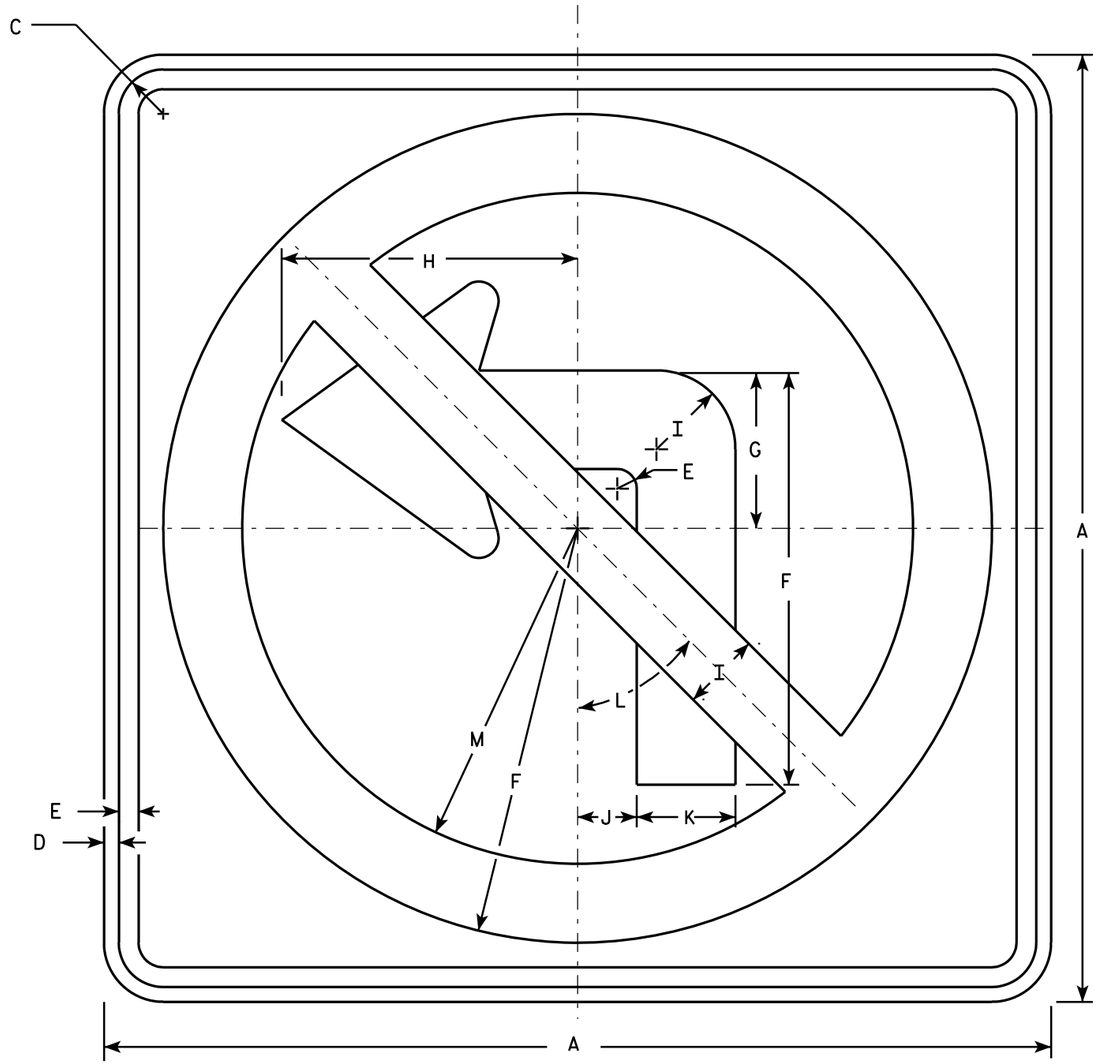
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

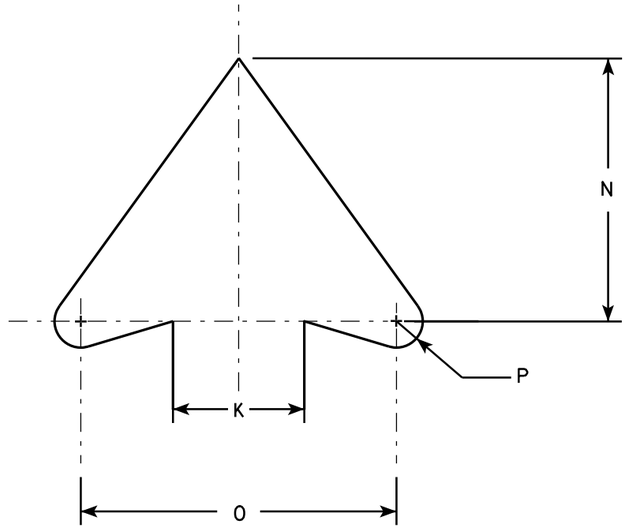
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 531	E



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

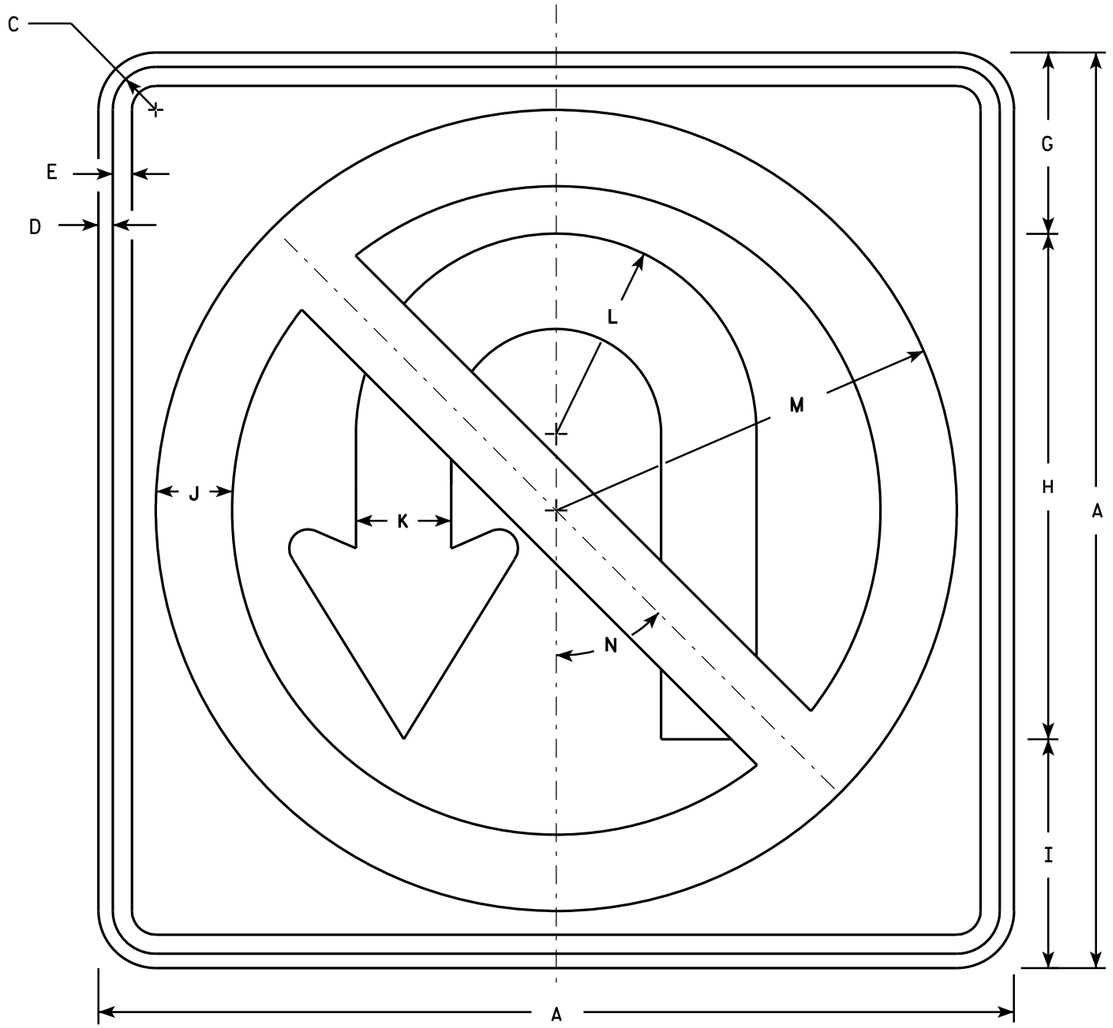
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

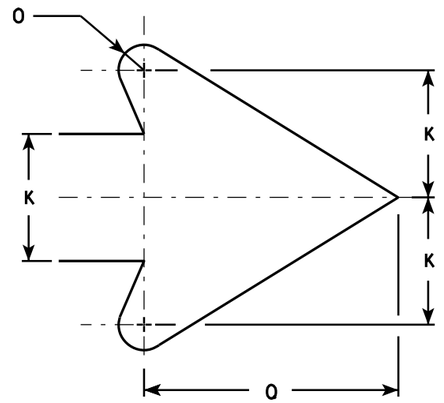
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 532	E



R3-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2		4 3/4	13 1/4	6	2	2 1/2	5 1/4	10 1/2	45°	1/2		5										4.0
2M	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
3	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
4	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
5	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0

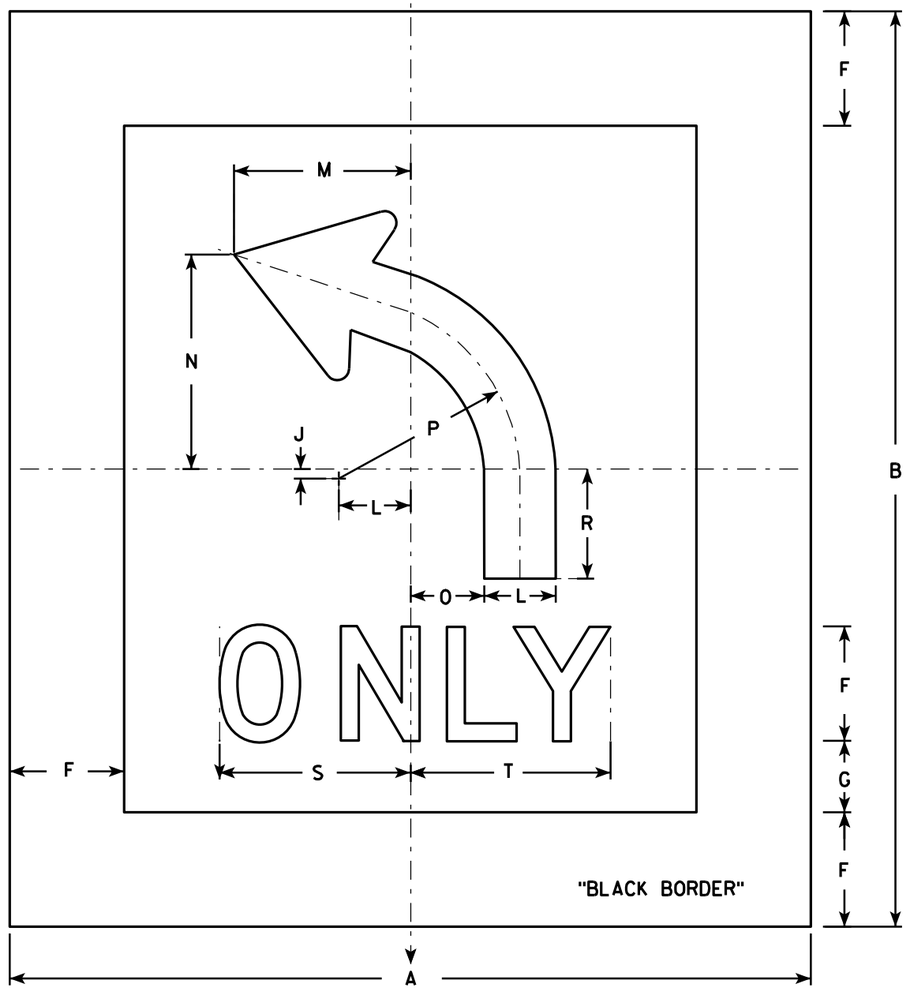
STANDARD SIGN
R3-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-4.11

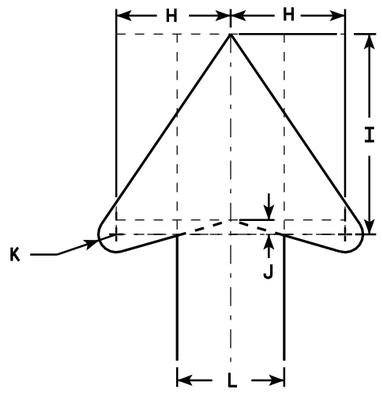
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 533	E



R3-5L

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. When base material is metal, the corners shall be rounded.
5. R3-5R is the same as R3-5L except curved portion of arrow points right.
6. The 6" border is non-reflective black.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	42	48				6	3 3/4	4	7	1/2	5/8	3 3/4	9 1/4	11 1/4	3 7/8	9 1/2		5 3/4	10	10 1/2							1.26
2M	42	48				6	3 3/4	4	7	1/2	5/8	3 3/4	9 1/4	11 1/4	3 7/8	9 1/2		5 3/4	10	10 1/2							1.26
3																											
4																											
5																											

STANDARD SIGN
R3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/24/11 PLATE NO. R3-5.6

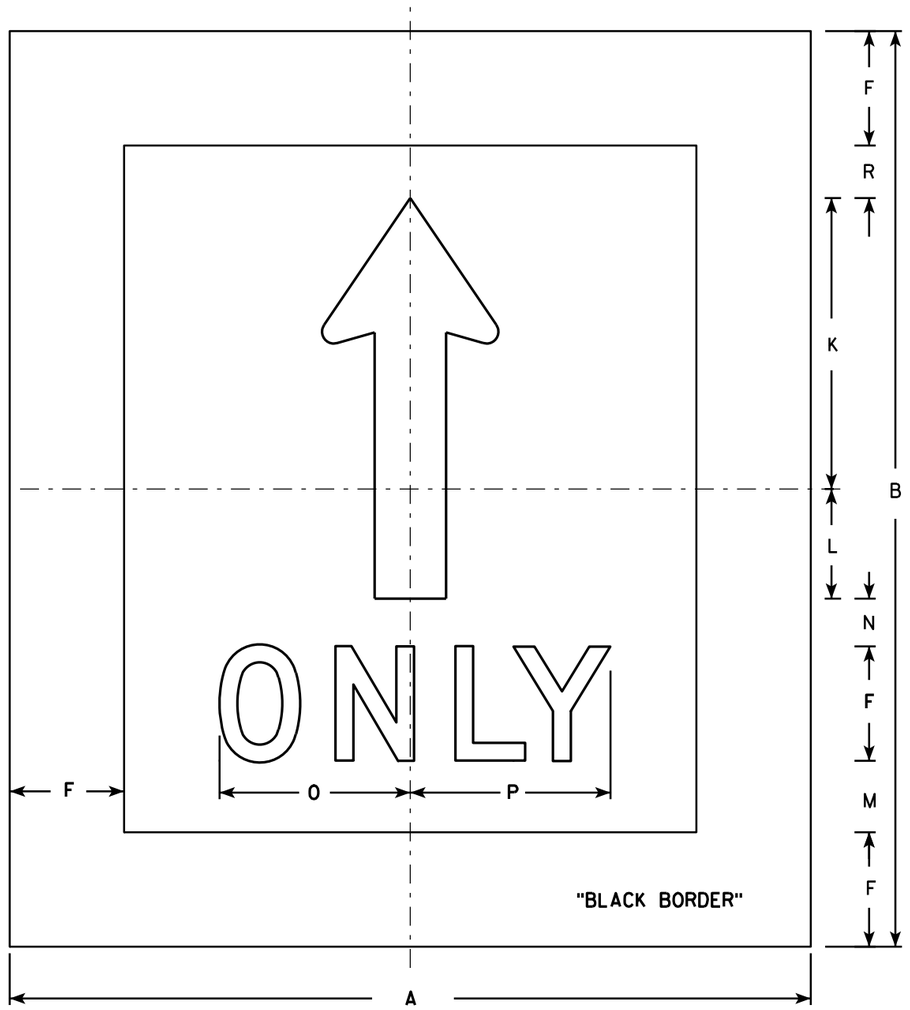
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 534 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R35.DGN PLOT DATE : 24-FEB-2011 14:53 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 7.945391:1.000000

WISDOT/CADDS SHEET 42

7

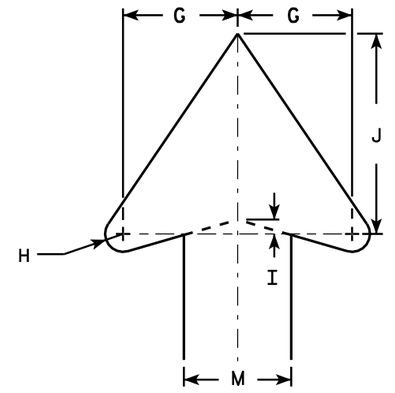
7



R3-5A

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. When base material is metal, the corners shall be rounded.
5. The 6" border is non-reflective black.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	42	48				6	4	5/8	1/2	7	15 1/4	5 3/4	3 3/4	2 1/2	10	10 1/2		2 3/4									1.26
2M	42	48				6	4	5/8	1/2	7	15 1/4	5 3/4	3 3/4	2 1/2	10	10 1/2		2 3/4									1.26
3																											
4																											
5																											

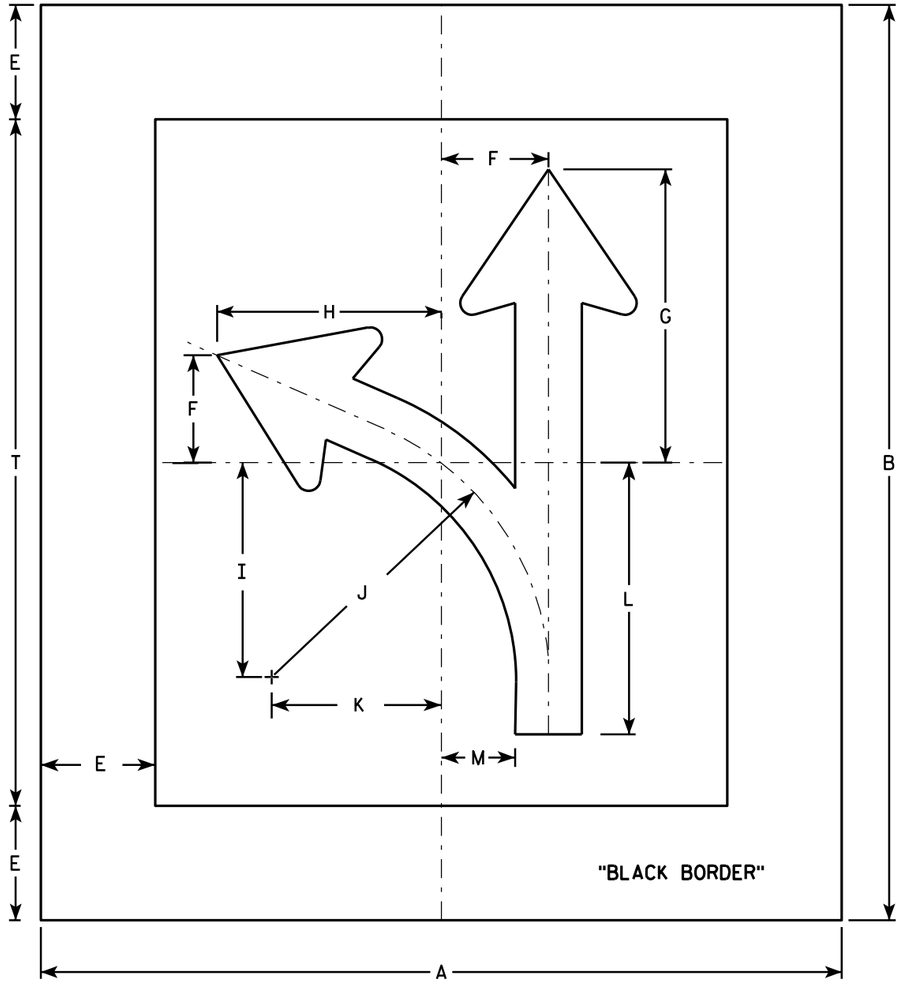
STANDARD SIGN
R3-5A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/24/11 PLATE NO. R3-5A.5

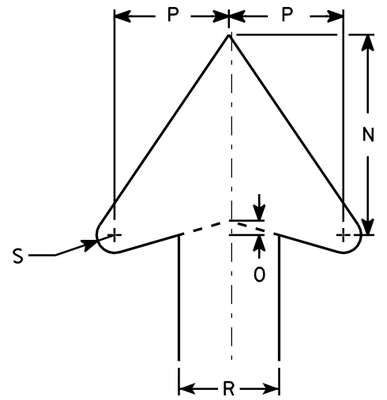
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 535	E



R3-6L

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. Corners may be square or rounded when base material is plywood. When base material is metal, the corners shall be rounded.
4. R3-6R is the same as R3-6L except curved portion of arrow points right.
5. The 6" border is non-reflective black.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	42	48			6	5 5/8	15 3/8	11 3/4	11 1/4	14 1/2	8 7/8	14 1/4	3 7/8	7	1/2	4		3 1/2	5/8	36							14.0
2M	42	48			6	5 5/8	15 3/8	11 3/4	11 1/4	14 1/2	8 7/8	14 1/4	3 7/8	7	1/2	4		3 1/2	5/8	36							14.0
3																											
4																											
5																											

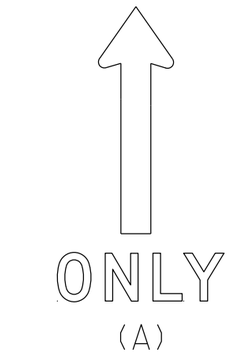
STANDARD SIGN
R3-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

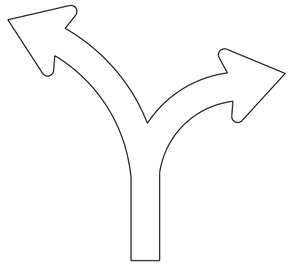
DATE 3/17/2011 PLATE NO. R3-6.5

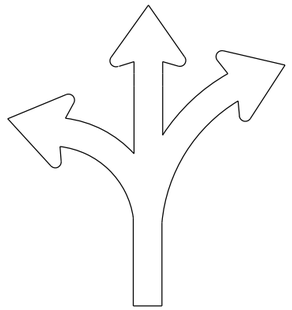
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 536 | E

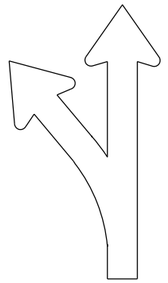


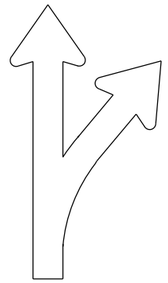
(A)

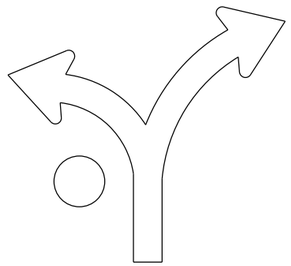
(B)

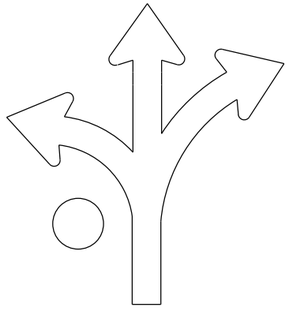

(C)

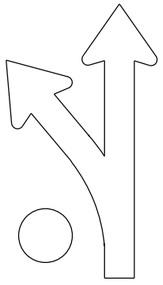

(D)


(E)

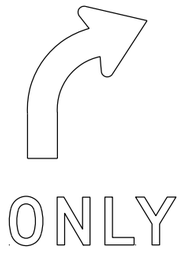

(F)


(G)

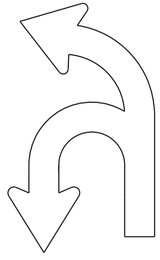

(H)


(I)

(L)



(R)


(U)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1	Letter =	3.75 sq ft for Size 2
		6.0 sq ft for Size 3
		10.0 sq ft for Size 4 or 5
2	Letters =	7.5 sq ft for Size 2
		12.0 sq ft for Size 3
		20.0 sq ft for Size 4 or 5
3	Letters =	11.25 sq ft for Size 2
		18.0 sq ft for Size 3
		30.0 sq ft for Size 4 or 5
4	Letters =	15.0 sq ft for Size 2
		24.0 sq ft for Size 3
		40.0 sq ft for Size 4 or 5
5	Letters =	18.75 sq ft for Size 2
		30.0 sq ft for Size 3
		50.0 sq ft for Size 4 or 5
6	Letters =	22.5 sq ft for Size 2
		36.0 sq ft for Size 3
		60.0 sq ft for Size 4 or 5

6. When letters C,D,G,H are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

7

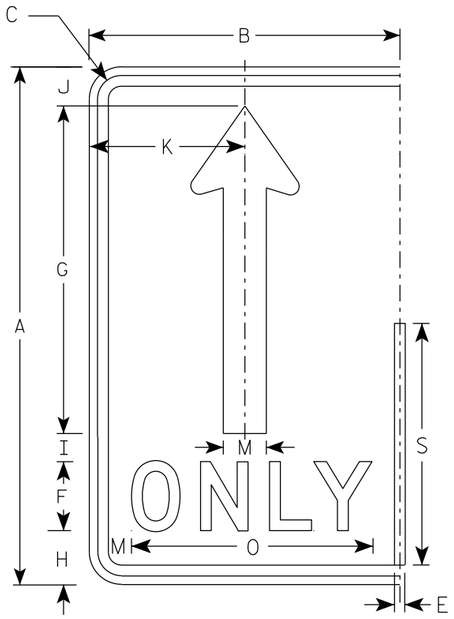
7

PROJECT NO:

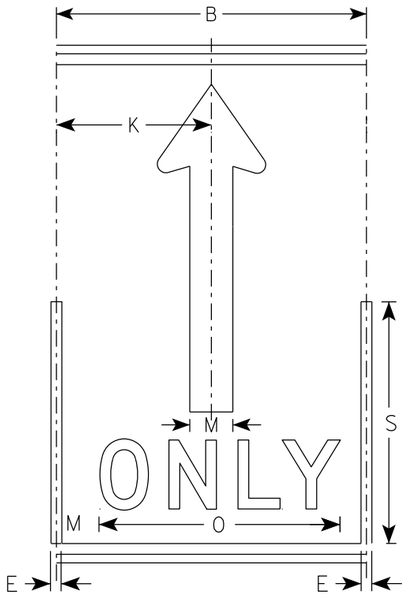
SHEET NO: 537 E

NOTES

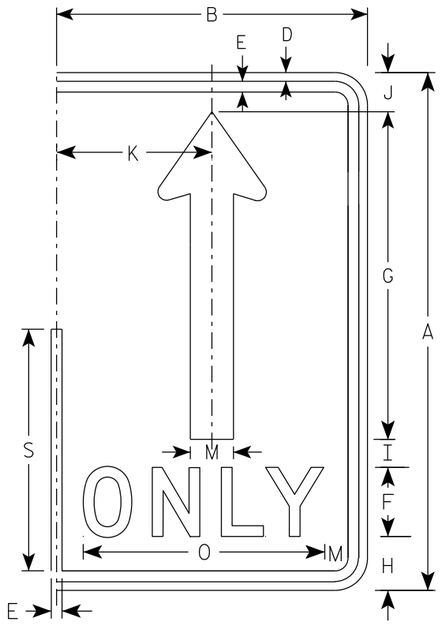
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



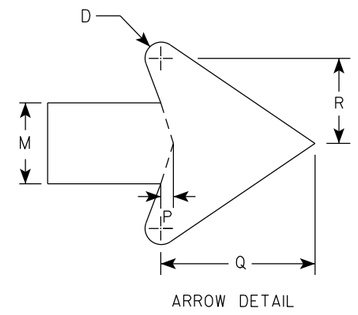
(A)



(A)



(A)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

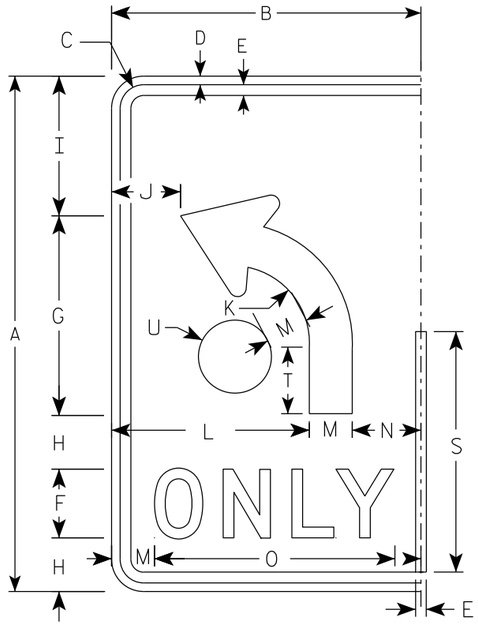
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

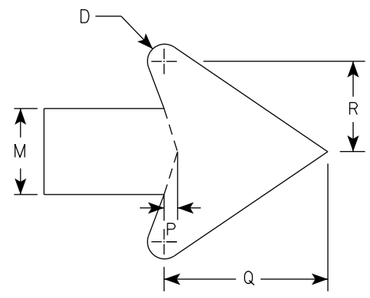
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 538 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN
R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

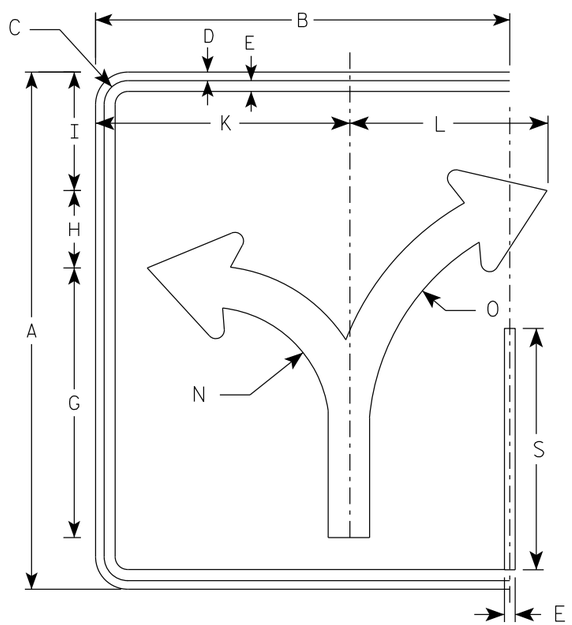
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

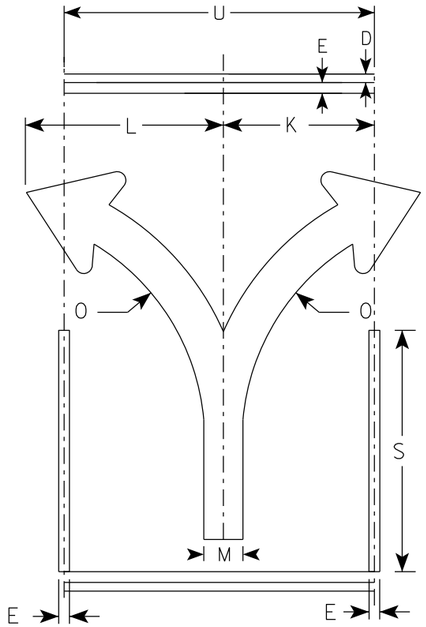
SHEET NO: 539 E

NOTES

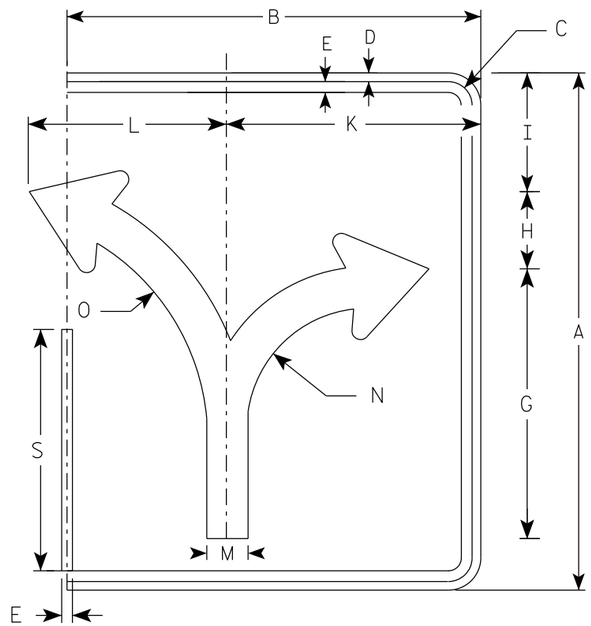
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



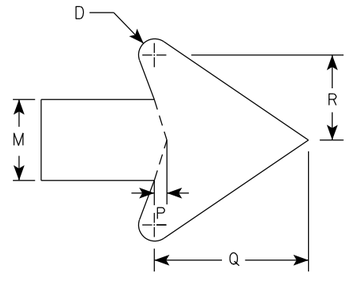
(C)



(C)



(C)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

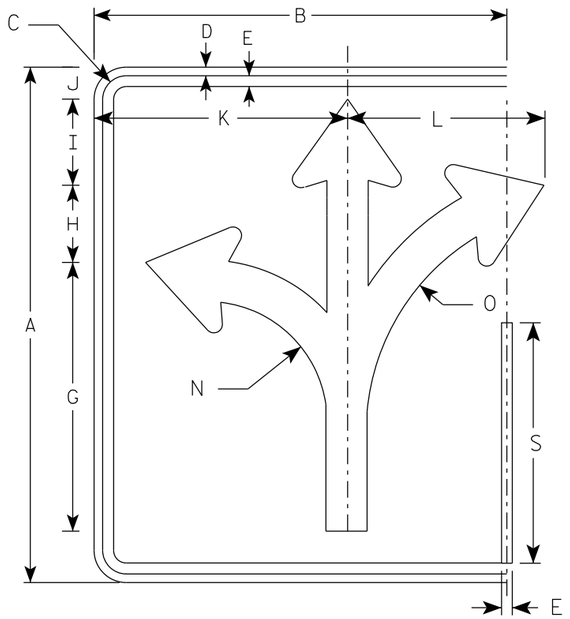
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

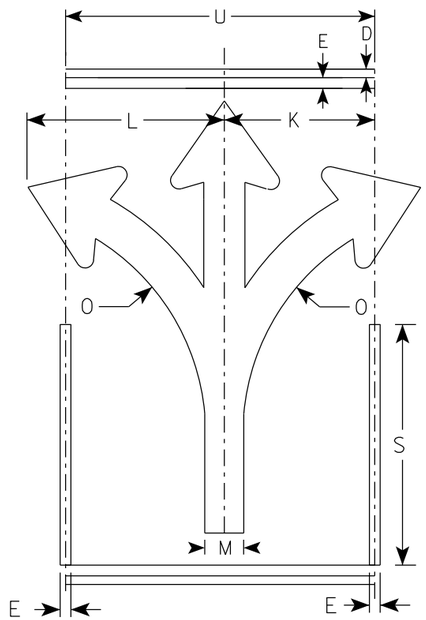
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 540 | E

NOTES

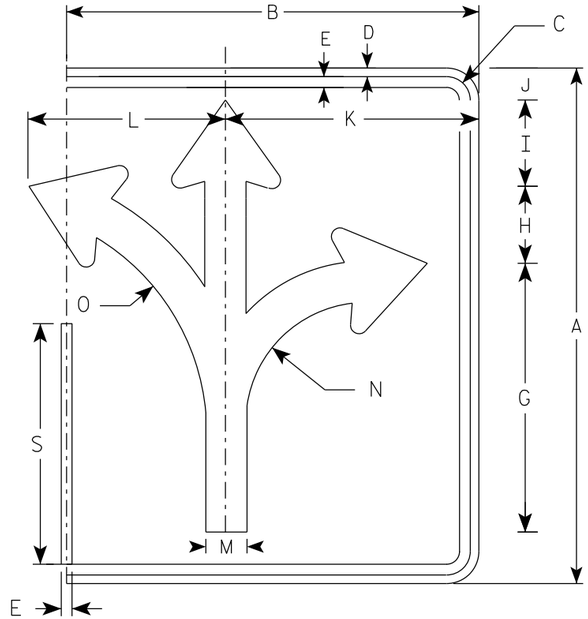
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



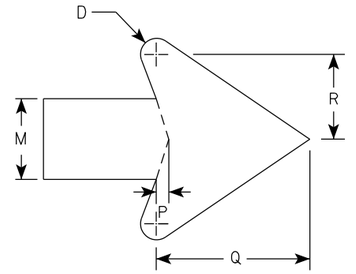
(D)



(D)



(D)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

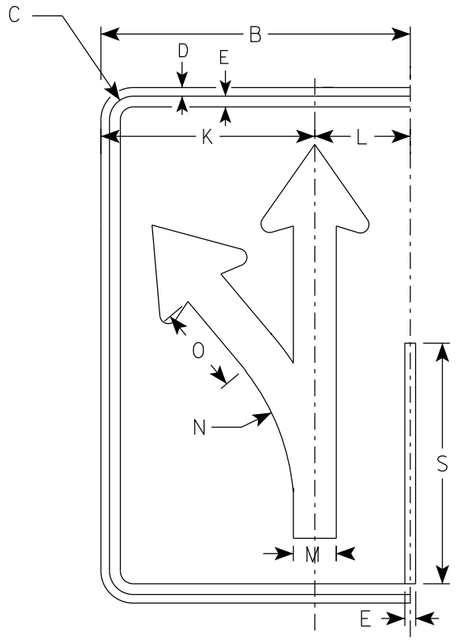
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

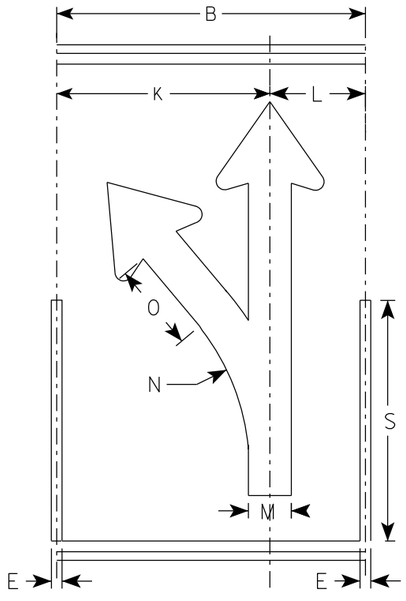
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 541 | E

NOTES

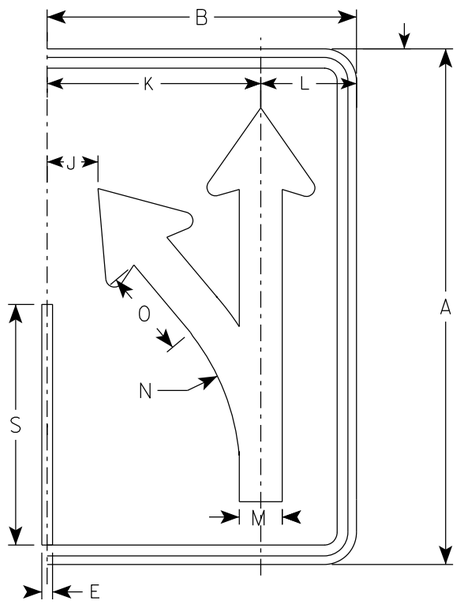
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



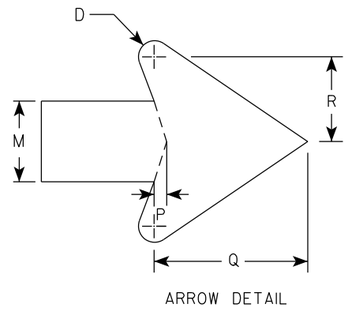
(E)



(E)



(E)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

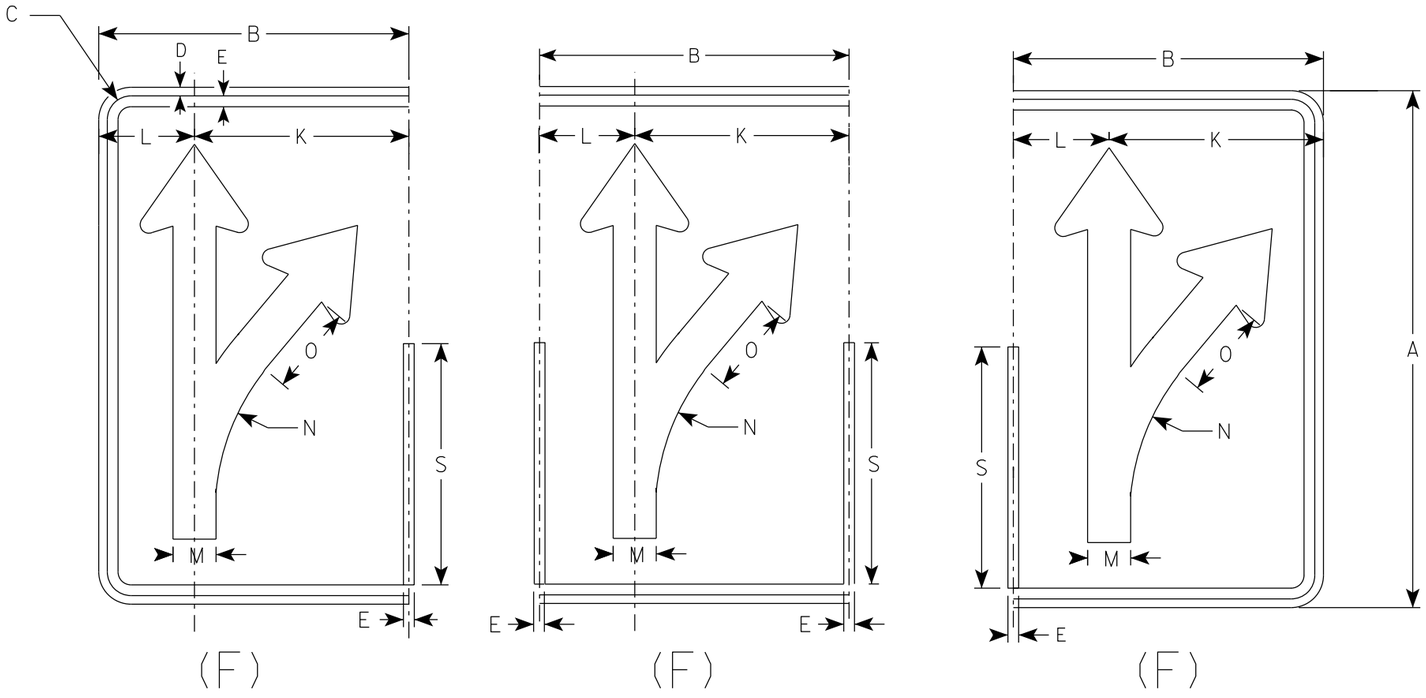
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

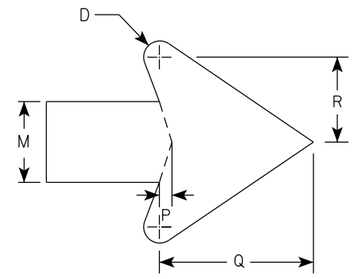
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 542 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(F) (F) (F)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

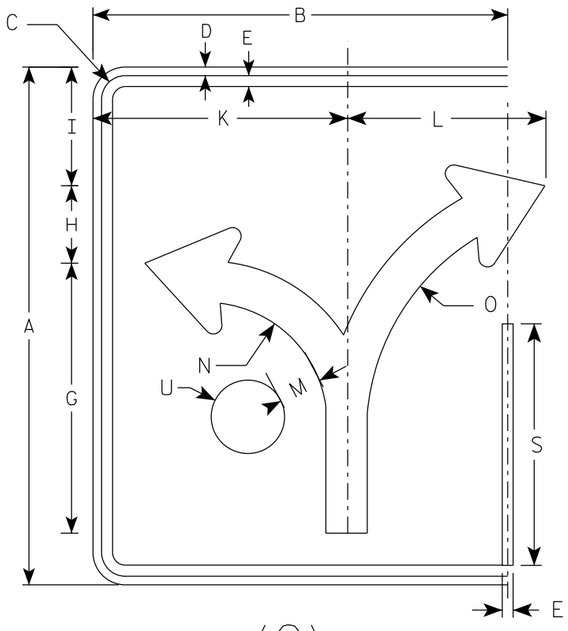
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

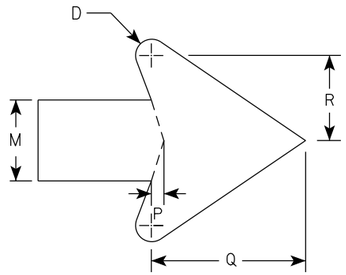
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 543	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

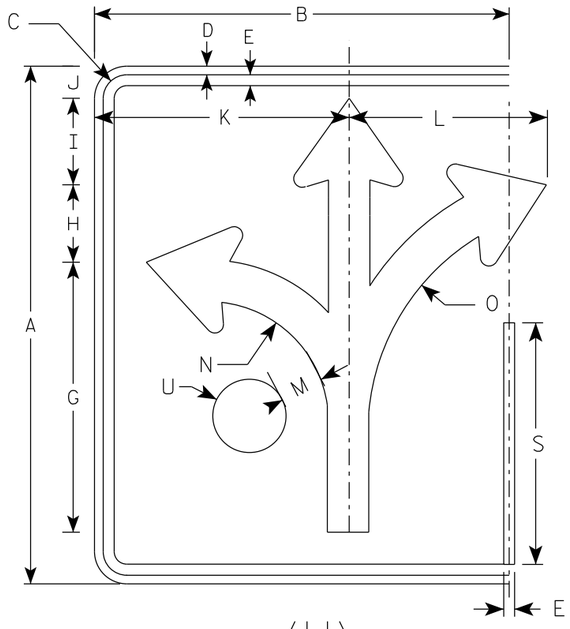
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

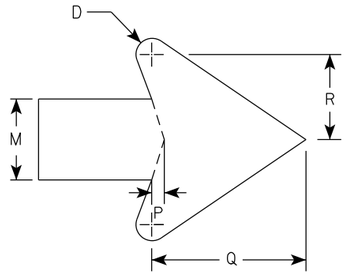
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 544 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

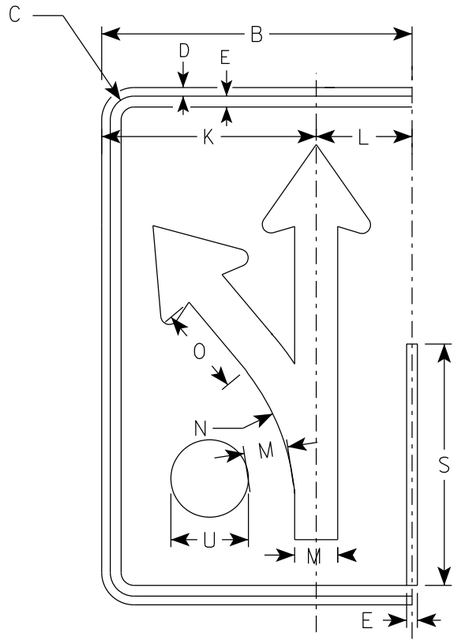
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

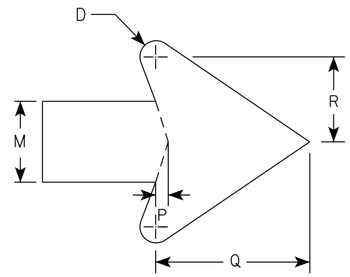
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 545	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

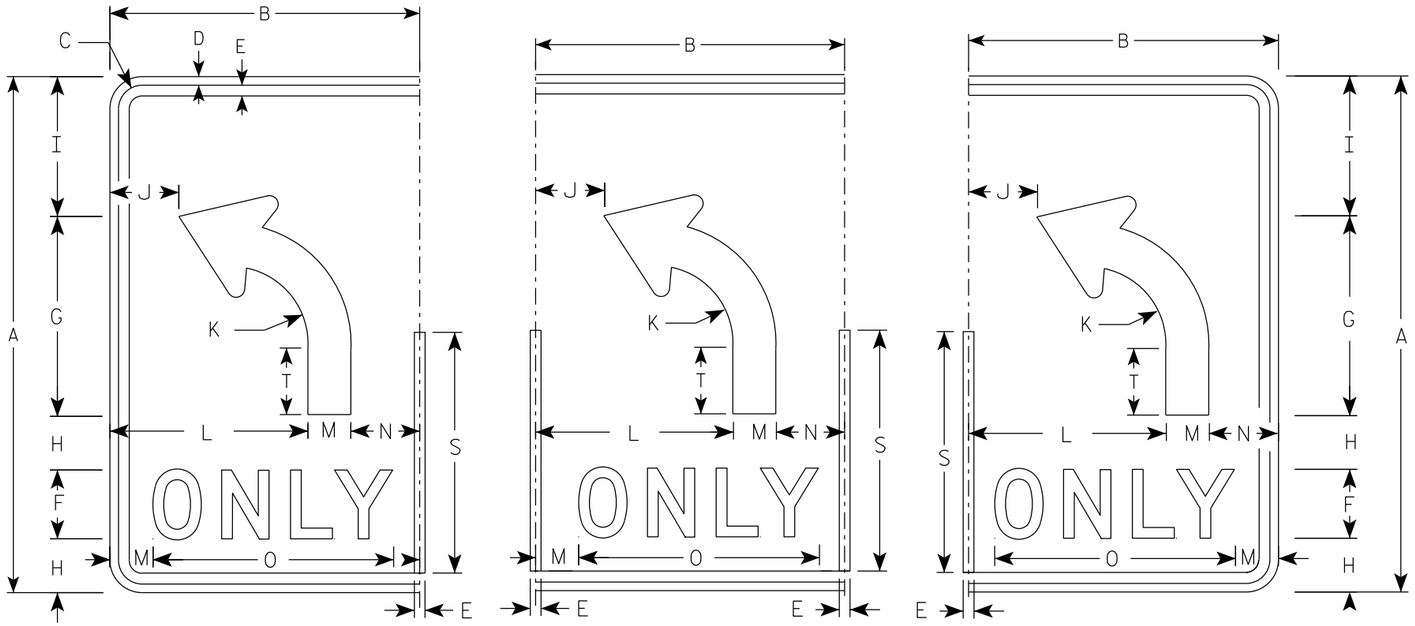
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

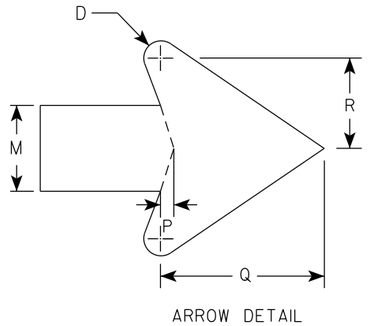
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 546 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



(L) (L) (L)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4		5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

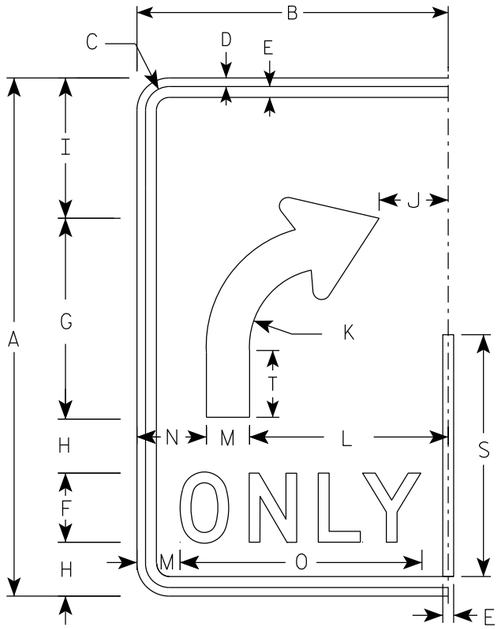
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

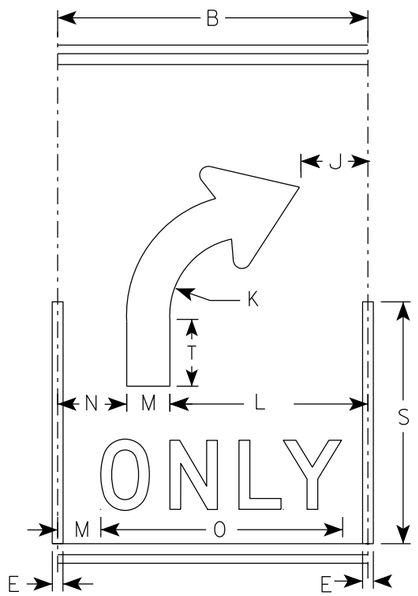
SHEET NO: 547 E

NOTES

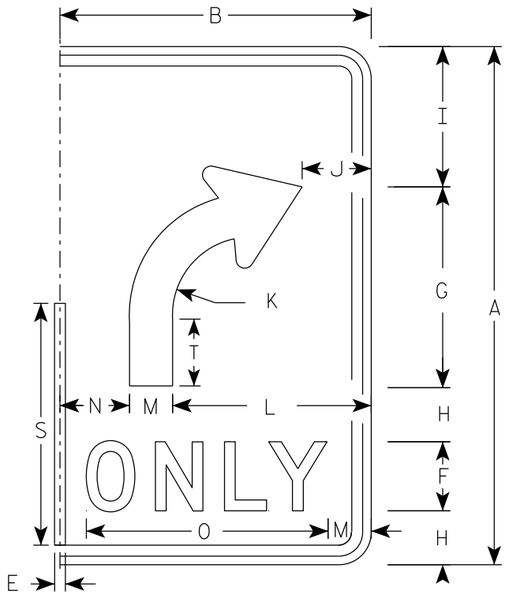
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



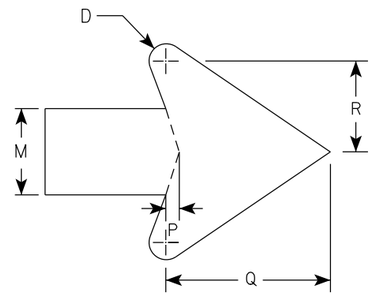
(R)



(R)



(R)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN
R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

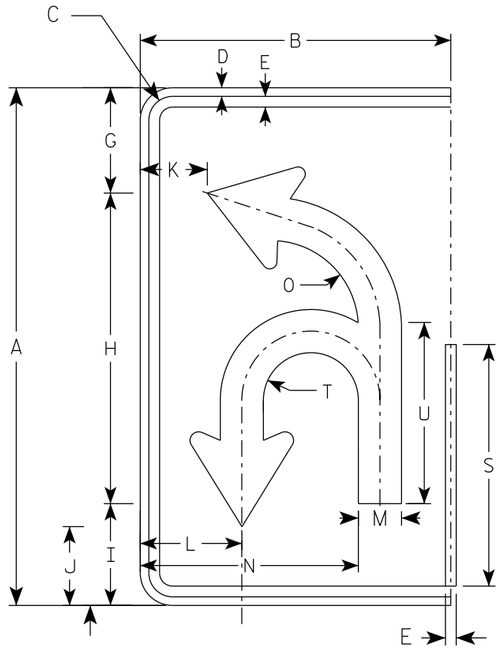
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

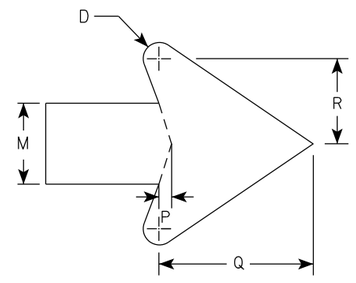
SHEET NO: 548 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(U)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

STANDARD SIGN
R3-8 (U) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

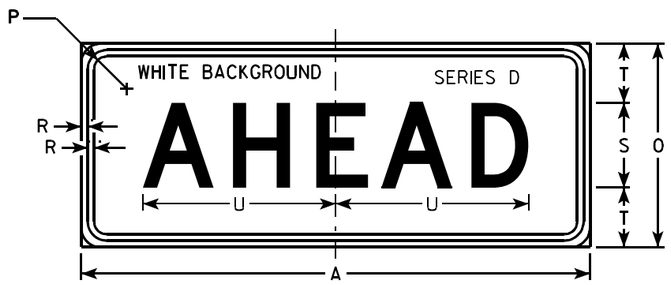
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 549 | E

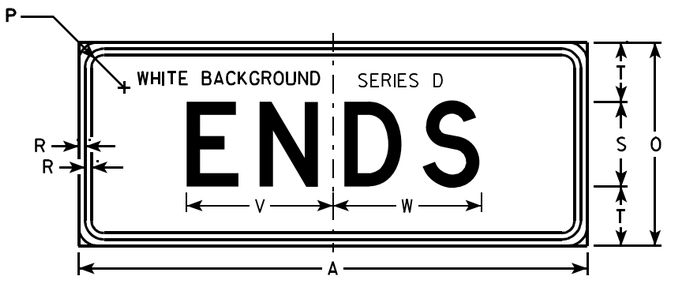
R3-17

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - AS SHOWN
   Message - BLACK
3. Message Series - C or as noted on the Signs.
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.



R3-17ap



R3-17bp

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	R3-17 Area sq. ft.	R3-17ap Area sq. ft.	R3-17bp Area sq. ft.
1																													
2S	30	24	1 1/8	3/8	1/2	2	4	4 1/8	7 7/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/8	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
2M	30	24	1 1/8	3/8	1/2	2	4	4 1/8	7 7/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/8	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
3																													
4																													
5																													

STANDARD SIGN
R3-17 & R3-17a&bp

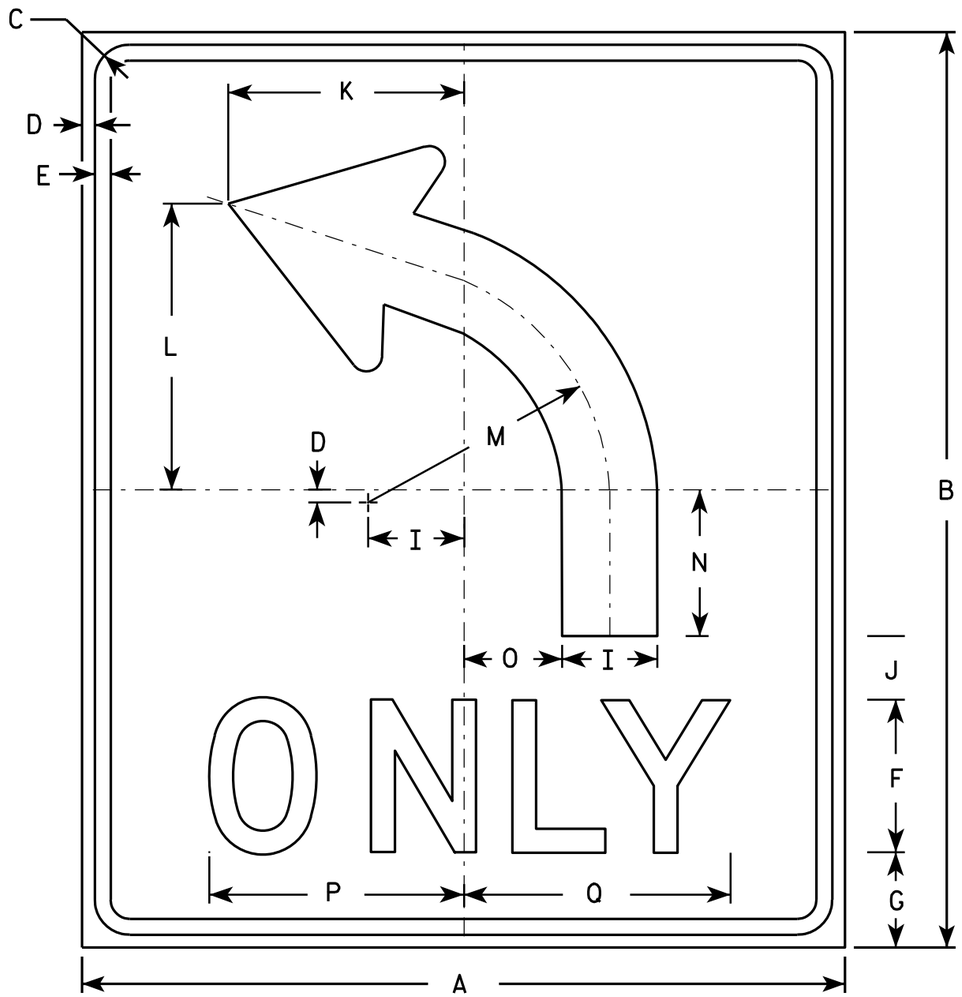
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/12/2011 PLATE NO. R3-17.2

PROJECT NO:

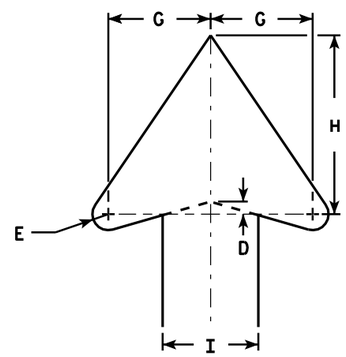
SHEET NO: 550 E



R3-50L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R3-50R is the same as R3-50L except curved portion of arrow points right.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 3/8	1/2	5/8	6	4	7	3 3/4	2 1/2	9 1/4	11 1/4	9 1/2	5 3/4	3 7/8	10	10 1/2										7.5
2M	30	36	1 3/8	1/2	5/8	6	4	7	3 3/4	2 1/2	9 1/4	11 1/4	9 1/2	5 3/4	3 7/8	10	10 1/2										7.5
3																											
4																											
5																											

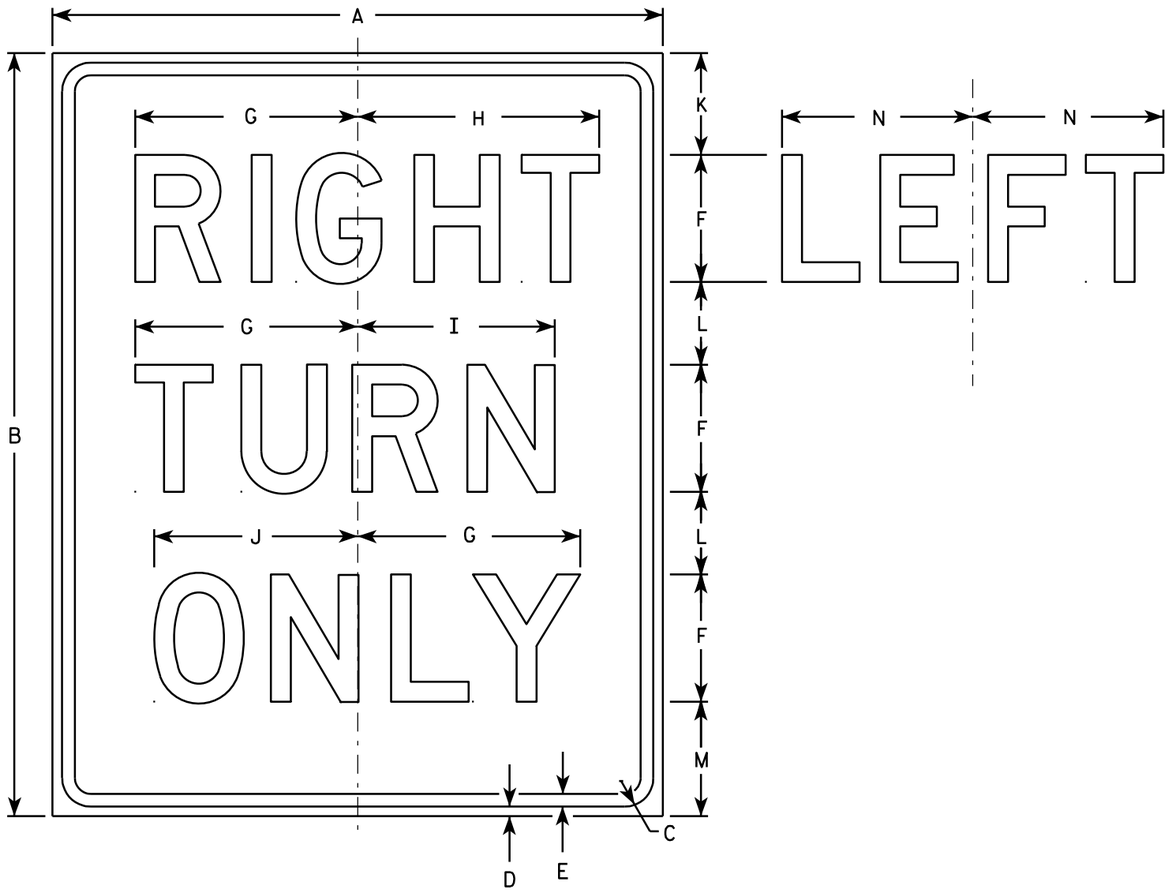
STANDARD SIGN
R3-50

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-50.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 551 | E



R3-53R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R3-53L same as R3-53R except LEFT is substituted for 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																											
2S	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
2M	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
3	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
4																											
5																											

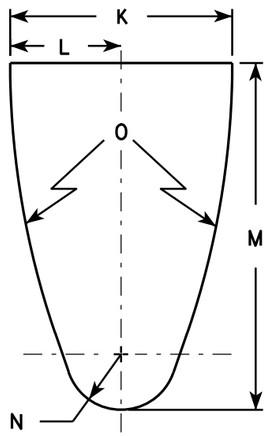
STANDARD SIGN
R3-53

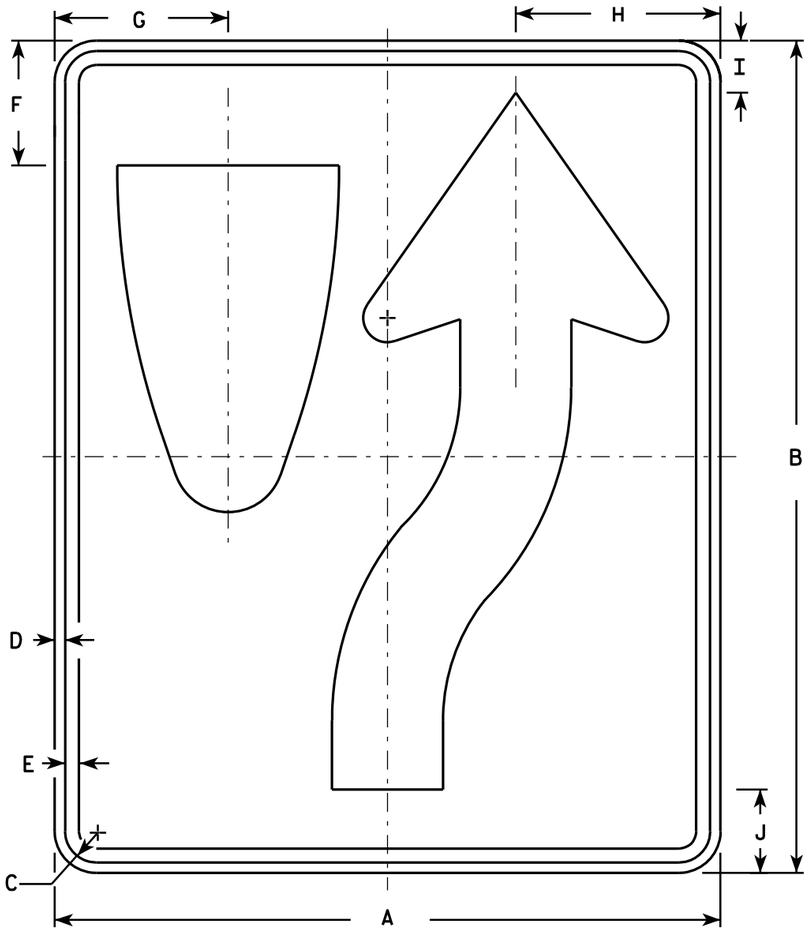
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-53.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 552	E

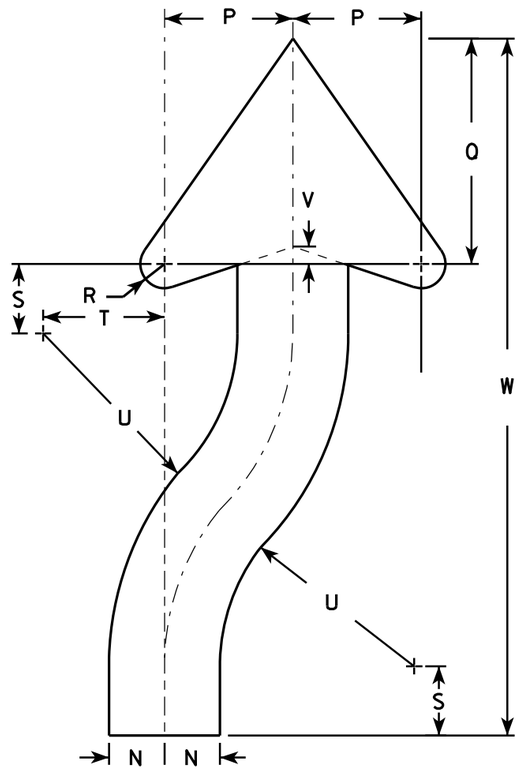




R4-7

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

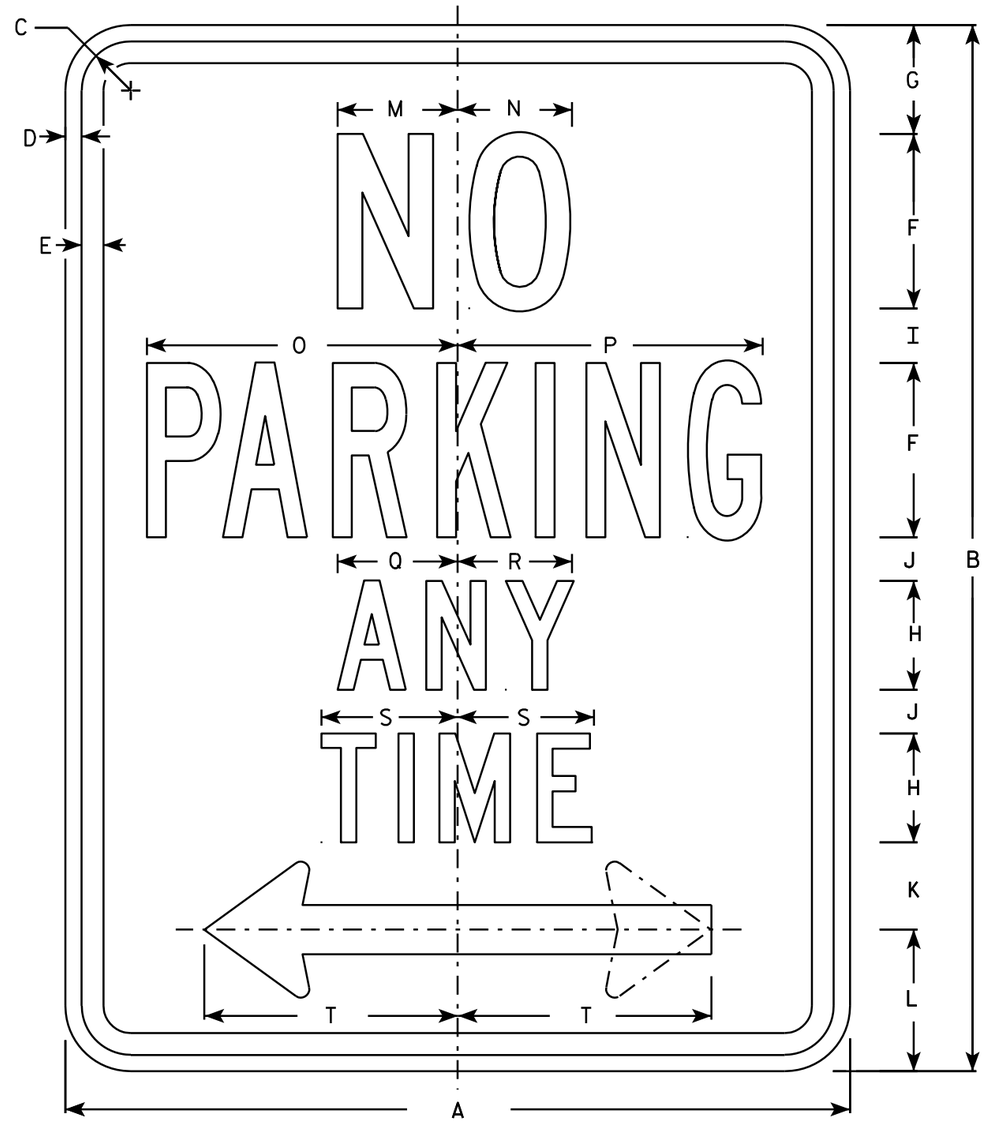
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

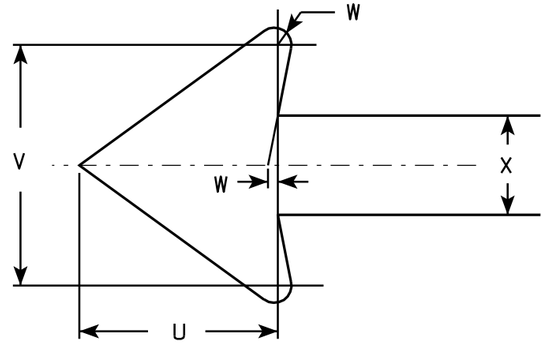
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 553	E



R7-1

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 - Red
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1, 3 and 4 are series C, line 2 is series B.
6. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

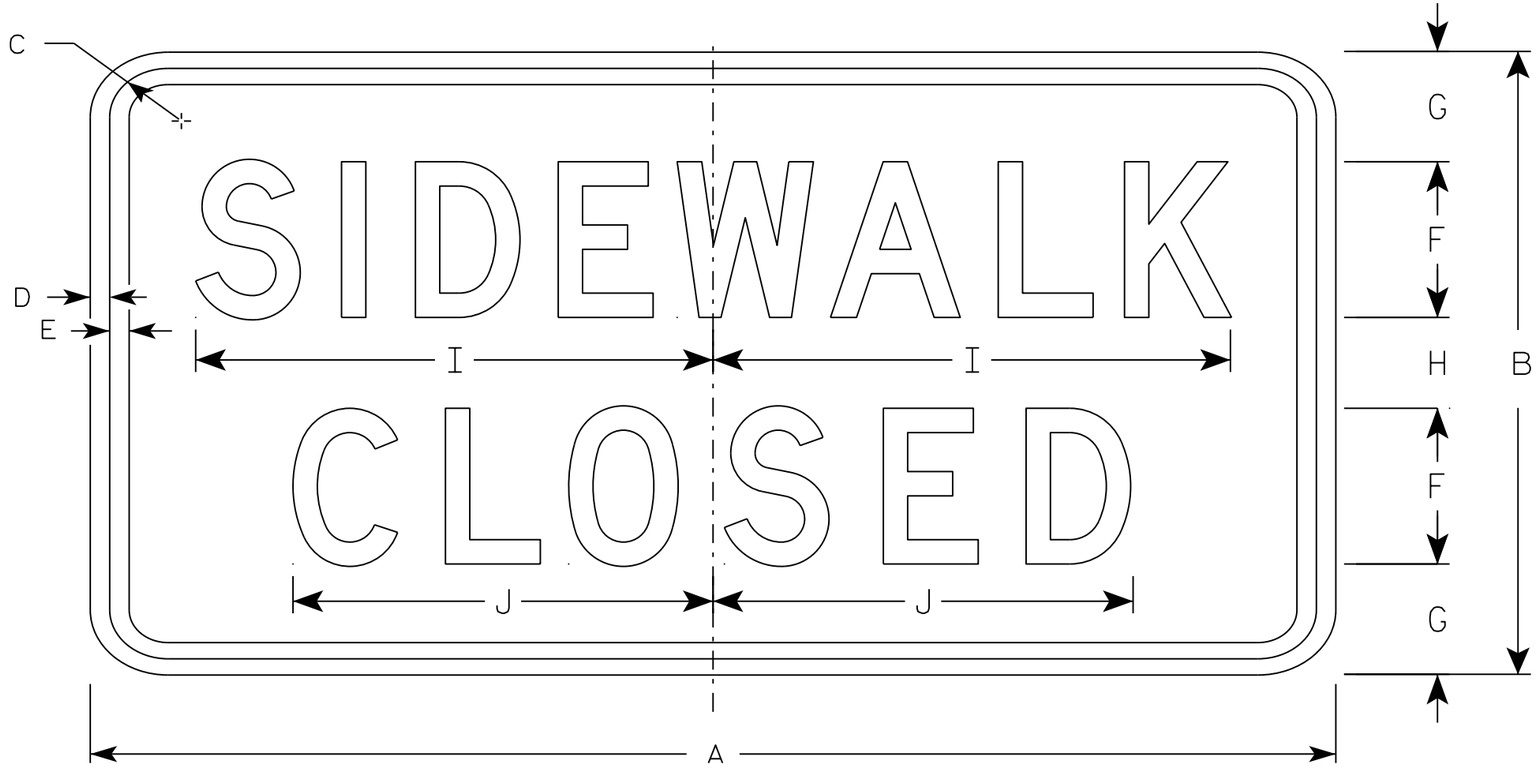
STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-1.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 554	E



R9-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

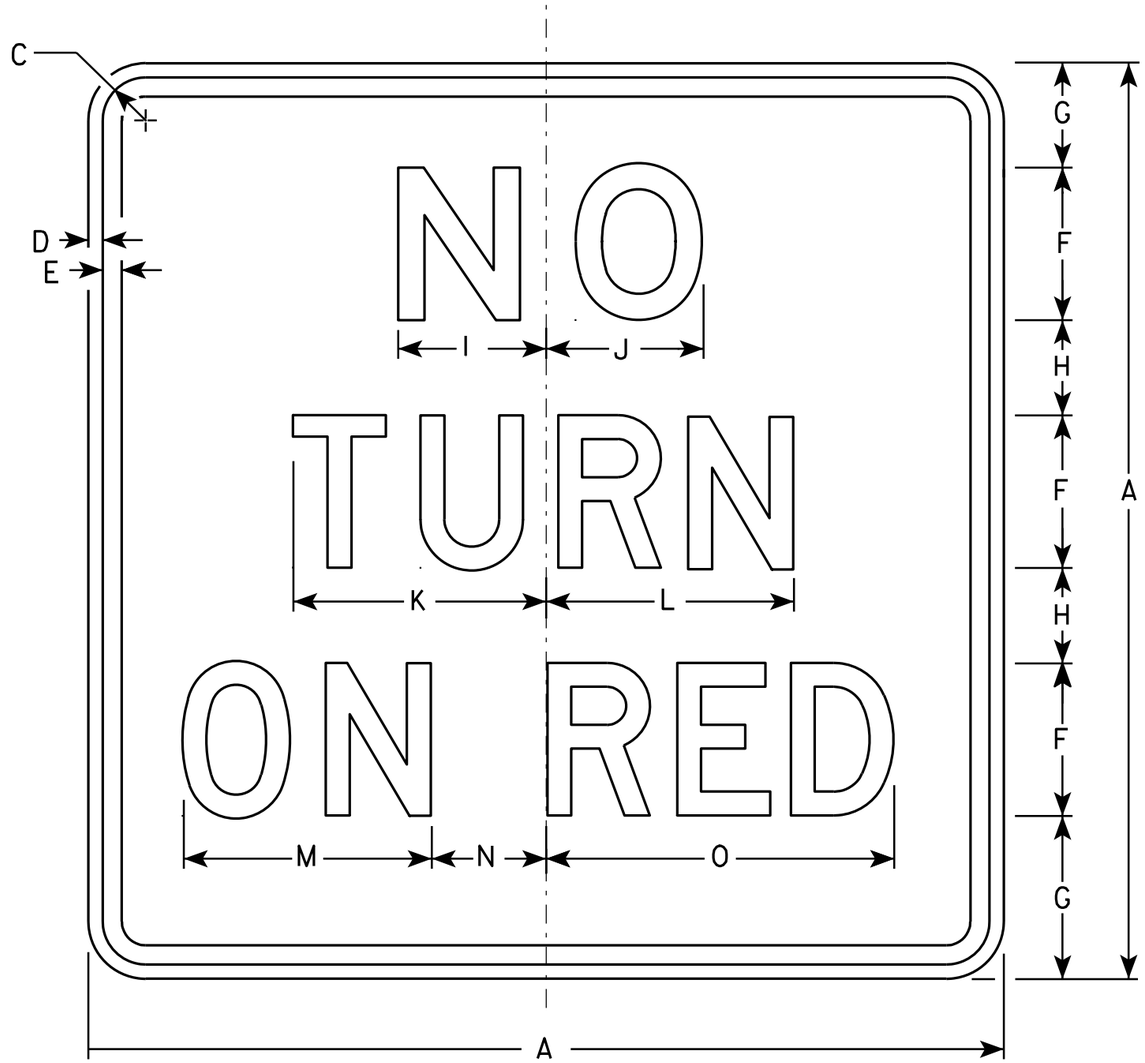
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/11/16 PLATE 555 R9-9.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000



R10-11B

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - See Note 5.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series E.
   Lines 2 and 3 are Series D.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/8	3/8	3/8	3	2 3/4	1 3/4	3	3 1/8	5	4 7/8	5 1/4	1 7/8	7 1/8												2.25
2S	24		1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 7/8	4 1/8	6 5/8	6 1/2	6 1/2	3	9 1/8												4.0
2M	24		1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 7/8	4 1/8	6 5/8	6 1/2	6 1/2	3	9 1/8												4.0
3	30		1 3/8	1/2	5/8	5	4 1/2	3	4 7/8	5 1/4	8 1/4	8 1/8	7 3/4	4 1/8	11 7/8												6.25
4																											
5																											

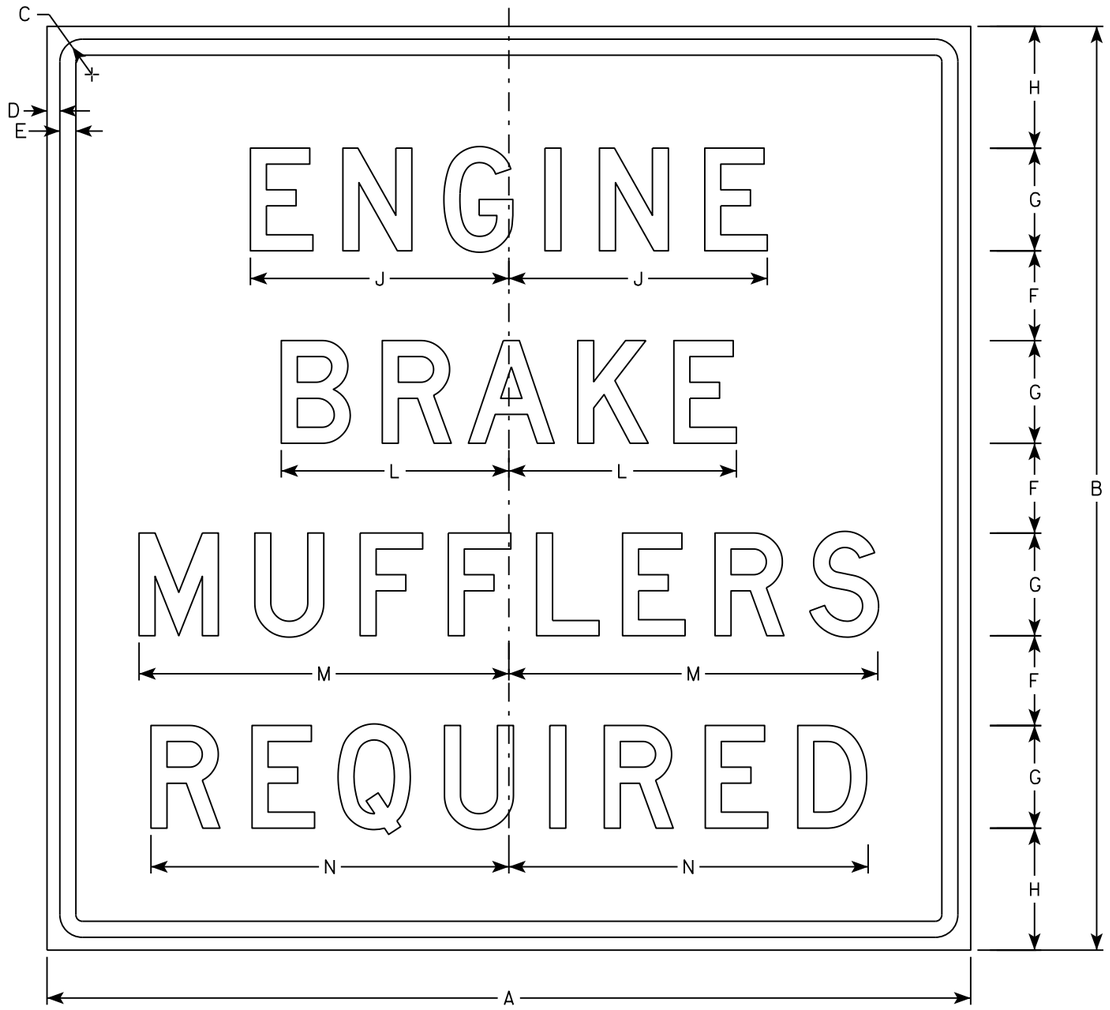
STANDARD SIGN
R10-11B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/5/11 PLATE NO. R10-11B.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 556 | E



R10-64

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D See note 5
4. Corners shall be rounded when base material is metal

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	36	1 3/8	1/2	5/8	3 1/2	4	4 3/4	2	10 1/8	3 1/2	8 7/8	14 3/8	14													9.0
2S	36	36	1 3/8	1/2	5/8	3 1/2	4	4 3/4	2	10 1/8	3 1/2	8 7/8	14 3/8	14													9.0
2M	36	36	1 3/8	1/2	5/8	3 1/2	4	4 3/4	2	10 1/8	3 1/2	8 7/8	14 3/8	14													9.0
3	42	42	1 3/8	1/2	5/8	4	5	5	3	12 5/8	4	11 1/8	18	17 3/8													12.25
4																											
5																											

STANDARD SIGN
R10-64

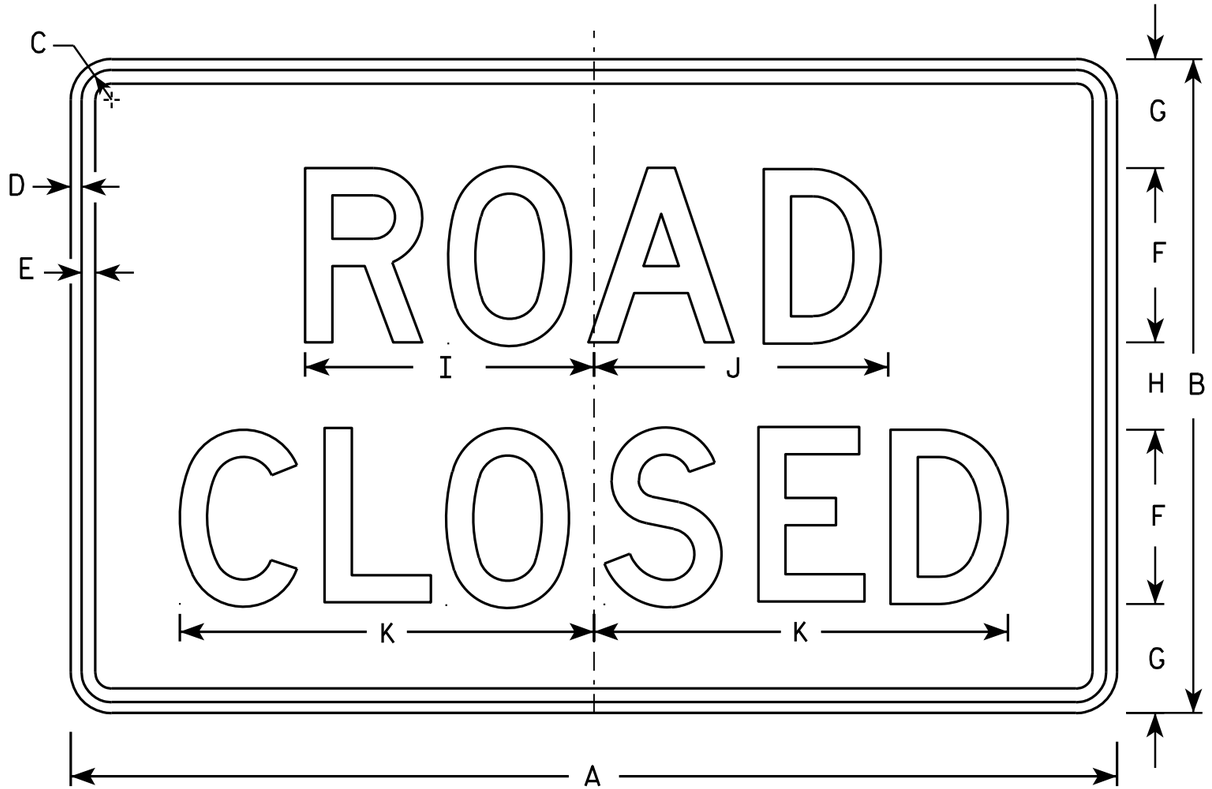
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/3/18 PLATE NO. R10-64.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 557 | E

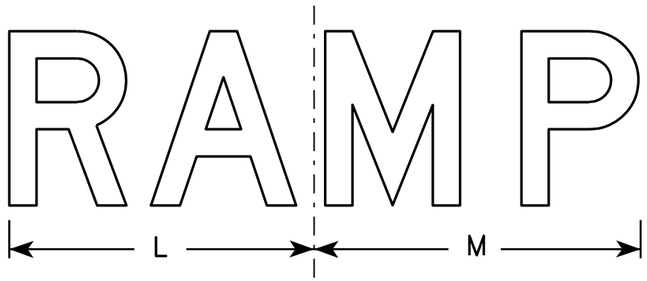
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R1064.DGN PLOT DATE : 03-JAN-2018 17:38 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 5.903922:1.000000
WISDOT/CADDS SHEET 42



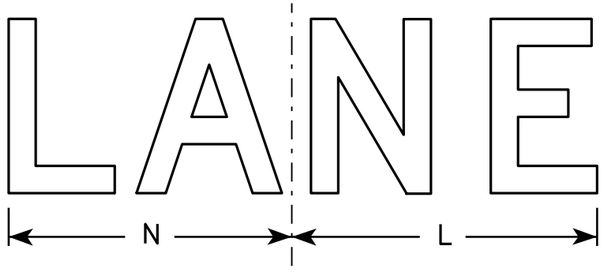
R11-2

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 - 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



R11-2L

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													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													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													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													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													10.0

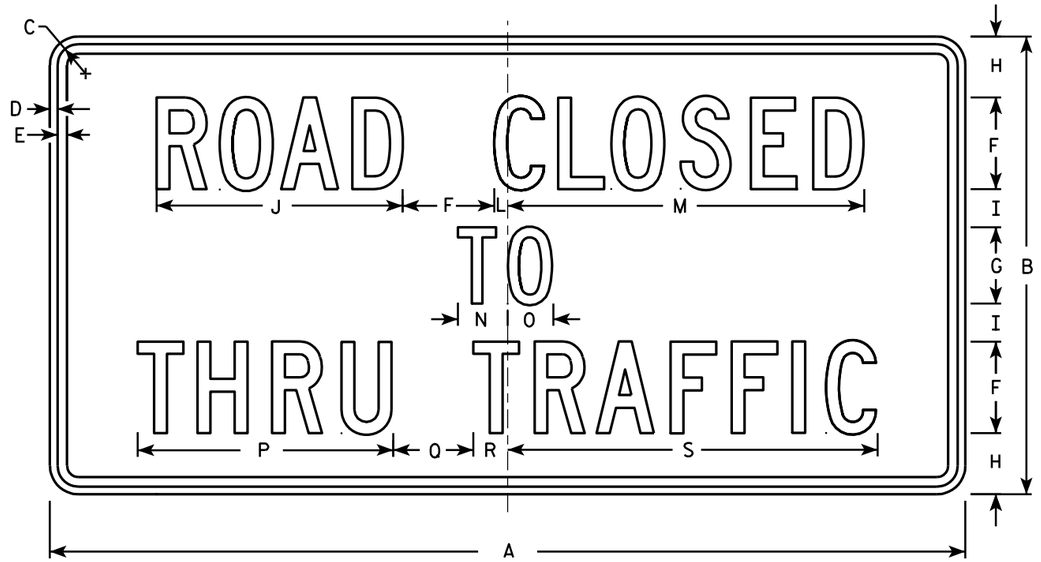
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 558	E



R11-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

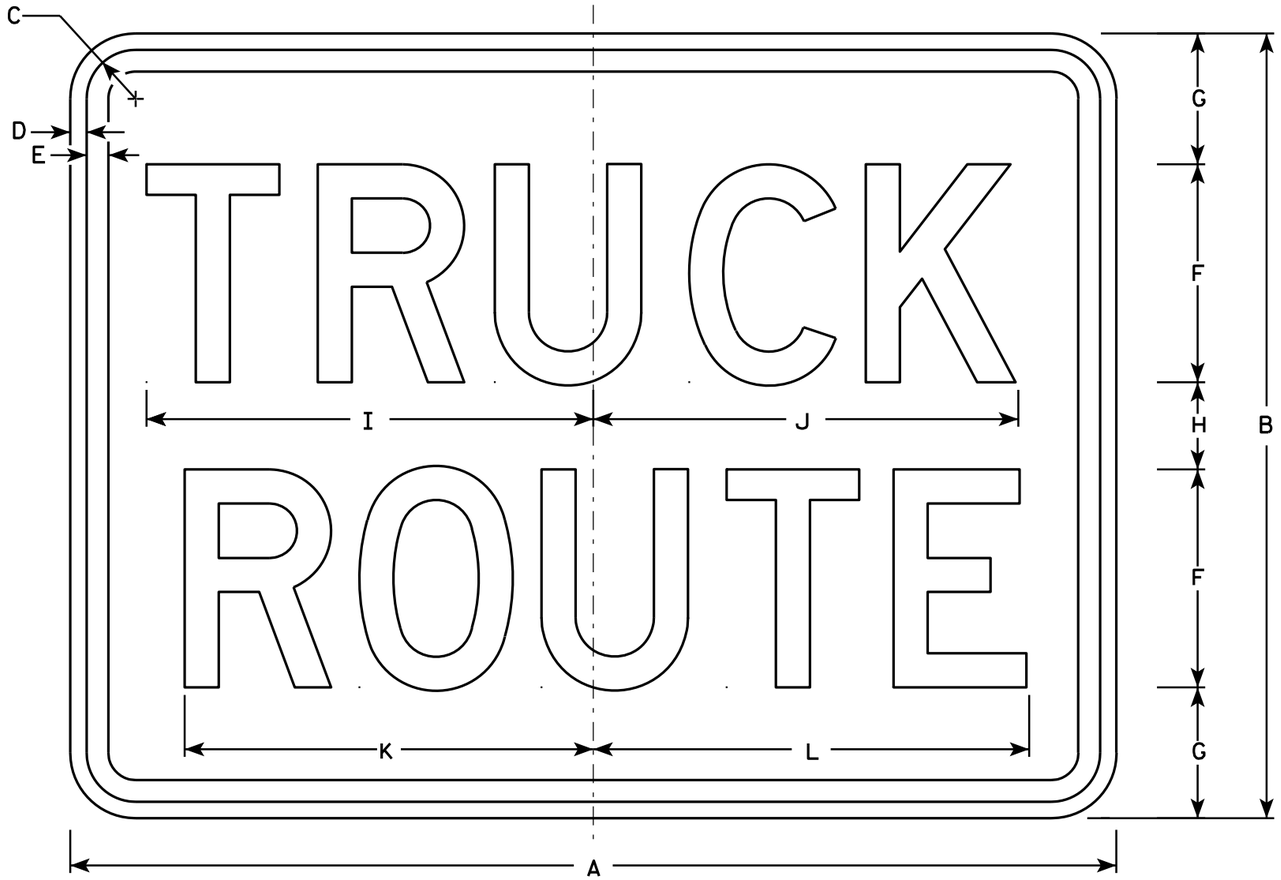
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 559 | E



R14-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	5	3	2	10 1/4	9 3/4	9 3/8	10															3.0
2	24	18	1 1/8	3/8	1/2	5	3	2	10 1/4	9 3/4	9 3/8	10															3.0
3	30	24	1 1/8	3/8	1/2	6	4	4	12 1/4	11 3/4	11 1/4	12															5.0
4																											
5																											

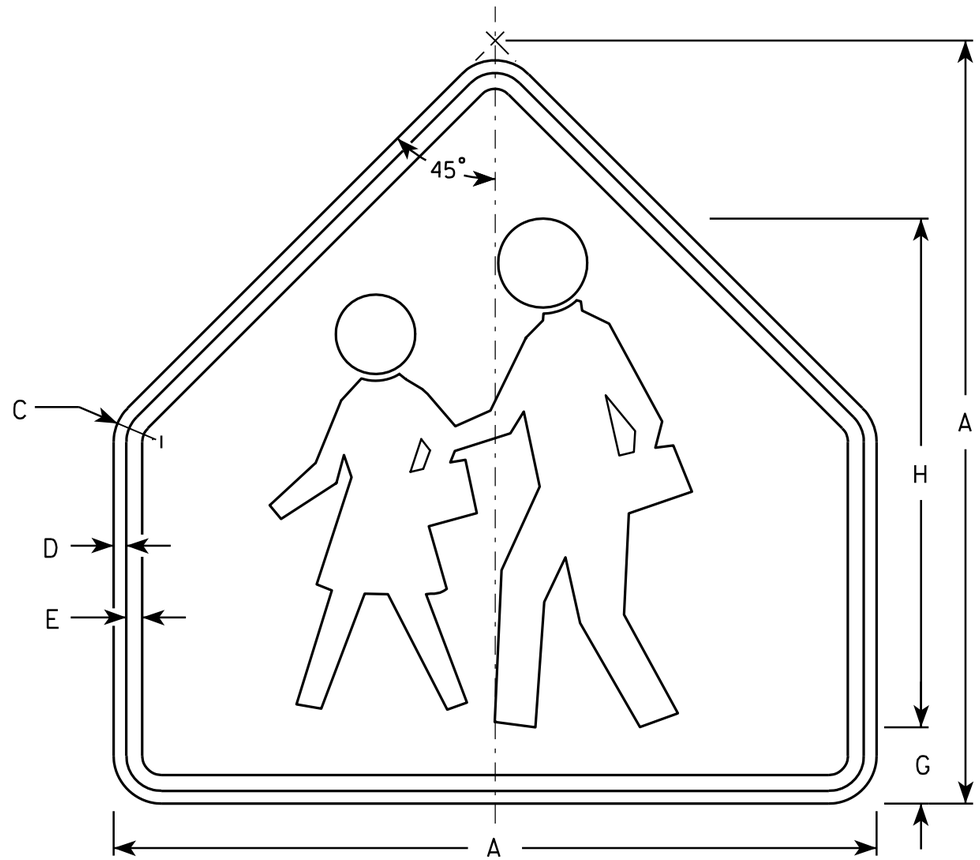
STANDARD SIGN
R14-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R14-1.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 560	E



S1-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		3	20																			4.69
2	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
3	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
4	48		2 1/4	3/4	1		4 3/4	32																			12
5																											

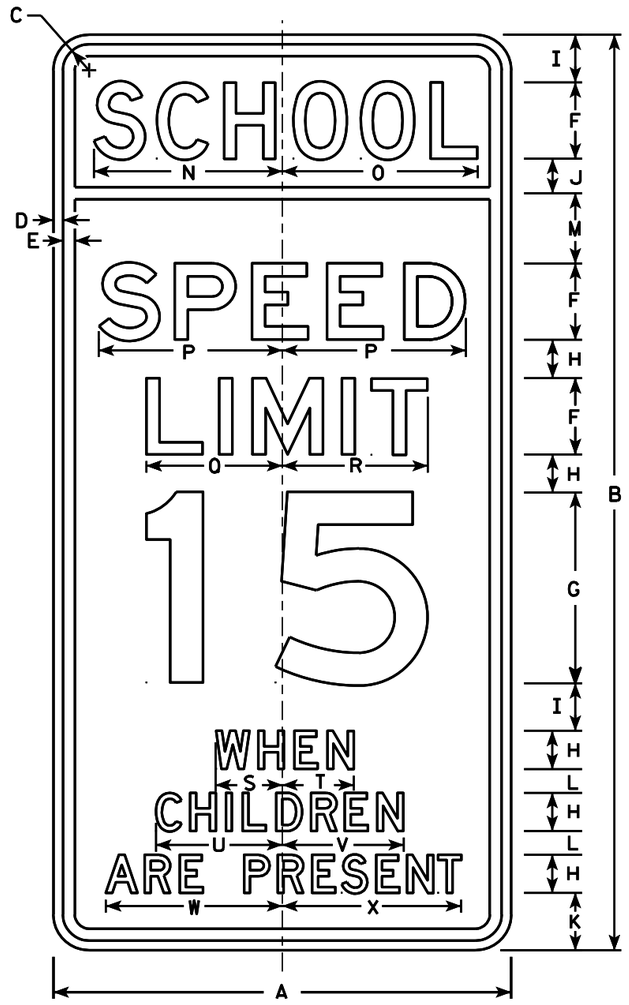
STANDARD SIGN
S1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/05 PLATE NO. S1-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 561	E



S4-51

NOTES

1. Sign is Type II - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. (See note 5).
2. Color:
   Background - See note 5
   Message - Black
3. Message Series - See note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Top panel (SCHOOL) background - Yellow Green -Type F Reflective.
   Lower panel background - White -Type H Reflective.
6. From top to bottom:
   Lines 1, 5, 6 & 7 are series D
   Lines 2, 3 & 4 are series E
7. Line 4 substitute appropriate numerals and adjust spacing to achieve proper balance.

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 1200 mm
3	900 mm X 1800 mm
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24	48	1 3/8	1/2	5/8	4	10	2	2 1/2	1 3/4	3	1 1/4	3 3/4	9 7/8	10 1/4	9 5/8	7 1/8	7 5/8	3 1/2	3 3/8	6 5/8	6 3/8	9 1/4	9 3/8			8.00	0.72
3	36	72	2 1/4	3/4	1	6	15	3	3 3/4	2 3/4	4 1/2	1 7/8	5 1/2	15	15 1/4	14 1/2	11 1/4	11 1/2	5 1/2	5 3/4	10	9 3/4	14	14 1/8			18.00	1.62
4																												
5																												

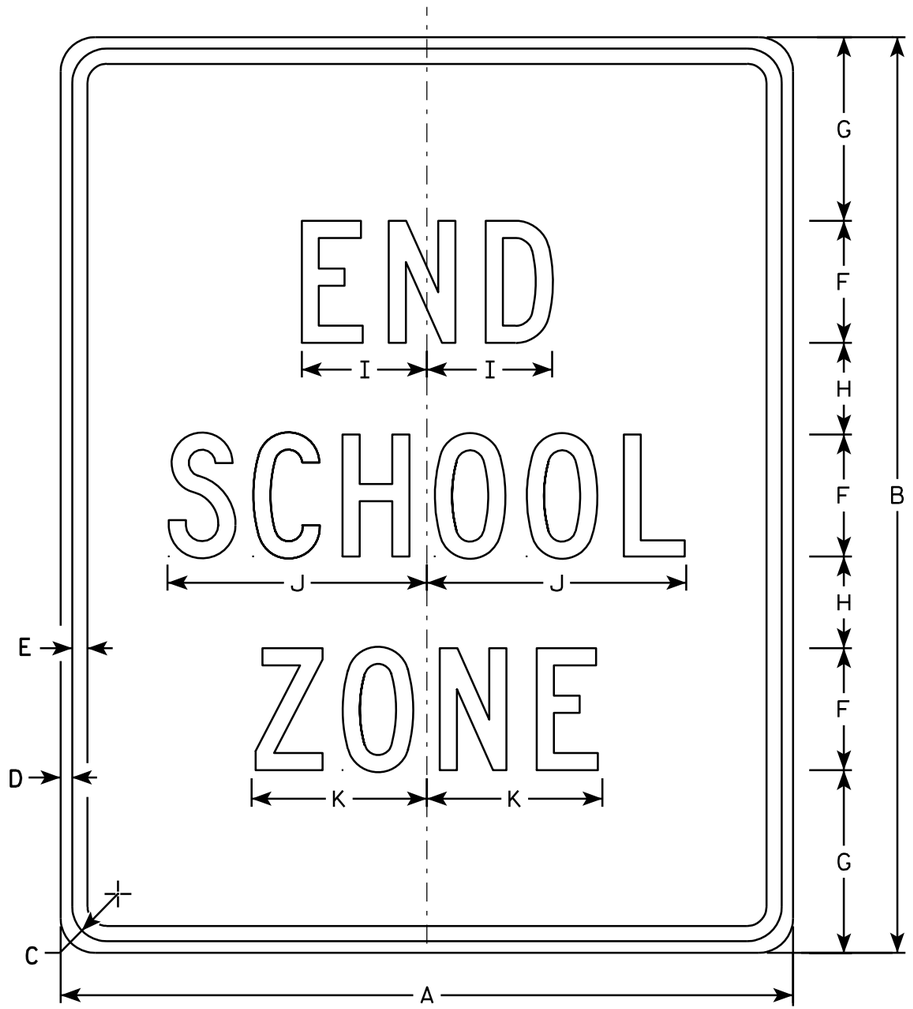
STANDARD SIGN
S4-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/26/10 PLATE NO. S4-51.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 562	E



S5-2

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 - 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																											
2	24	30	1 1/8	3/8	1/2	4	6	3	4 1/8	8 1/2	5 3/4																5.0
3	36	42	1 5/8	5/8	3/4	6	7	5	6 1/8	12 5/8	8 5/8																10.5
4																											
5																											

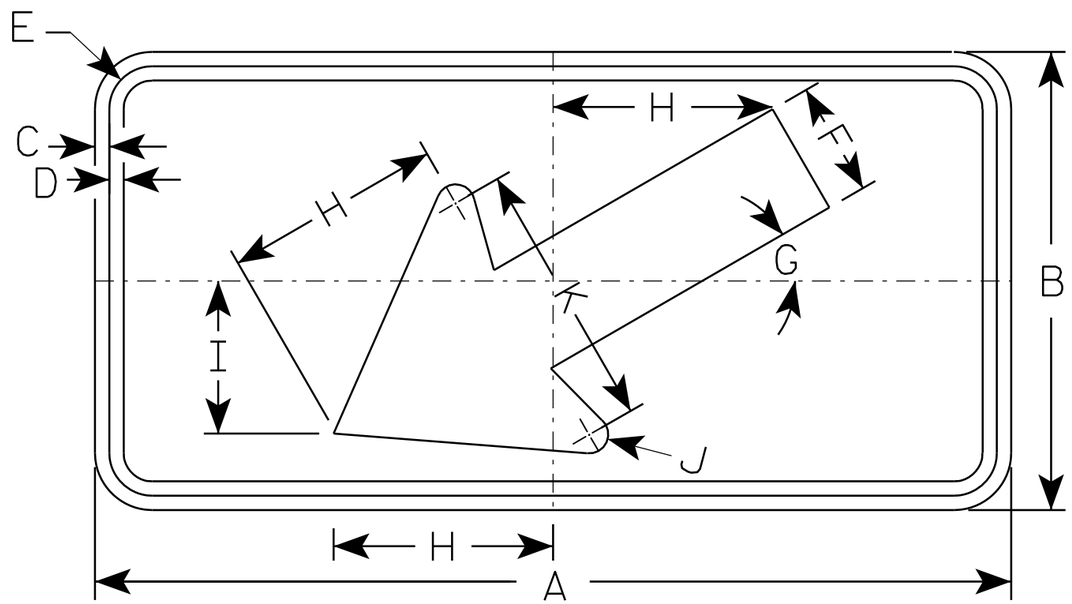
STANDARD SIGN
S5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/8/11 PLATE NO. S5-2.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 563 | E



S16-7L

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. S16-7R are the same as S16-7L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
2S	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0
5																											

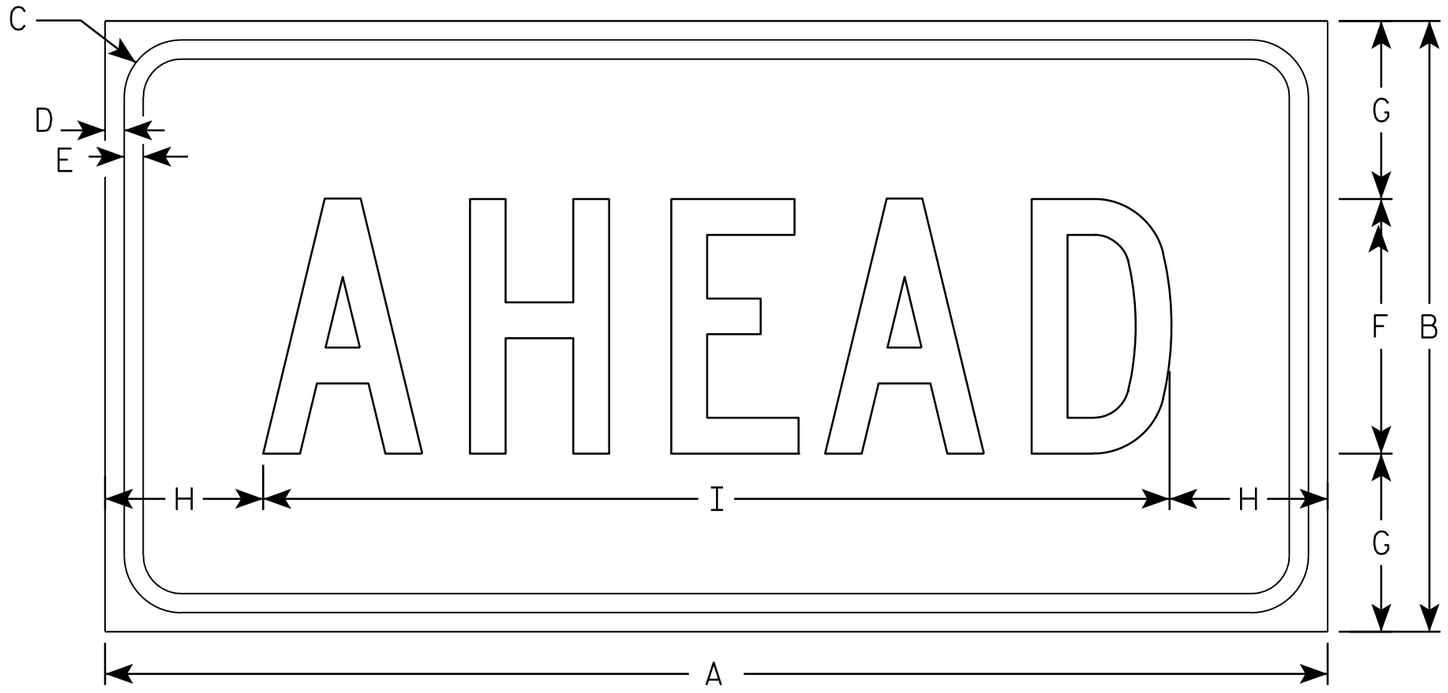
STANDARD SIGN
S16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/22/13 PLATE NO. S16-7.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 564 | E



S16-9P

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2S	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
S16-9P

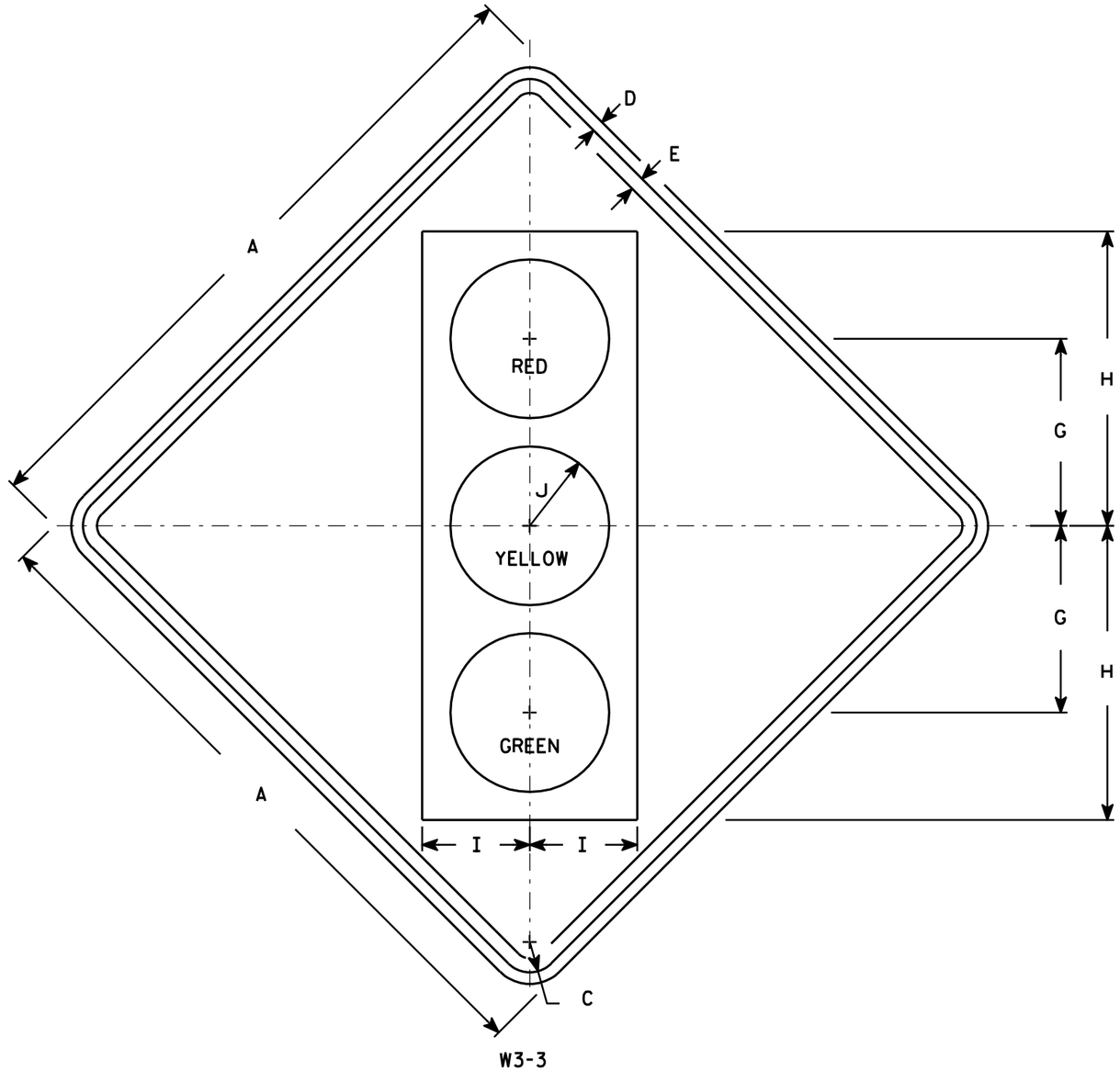
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/22/13 PLATE NO. S16-9P.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 565 | E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\S169P.dgn PLOT DATE : 22-JUL-2013 10:32 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 2.977140:1.000000



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0

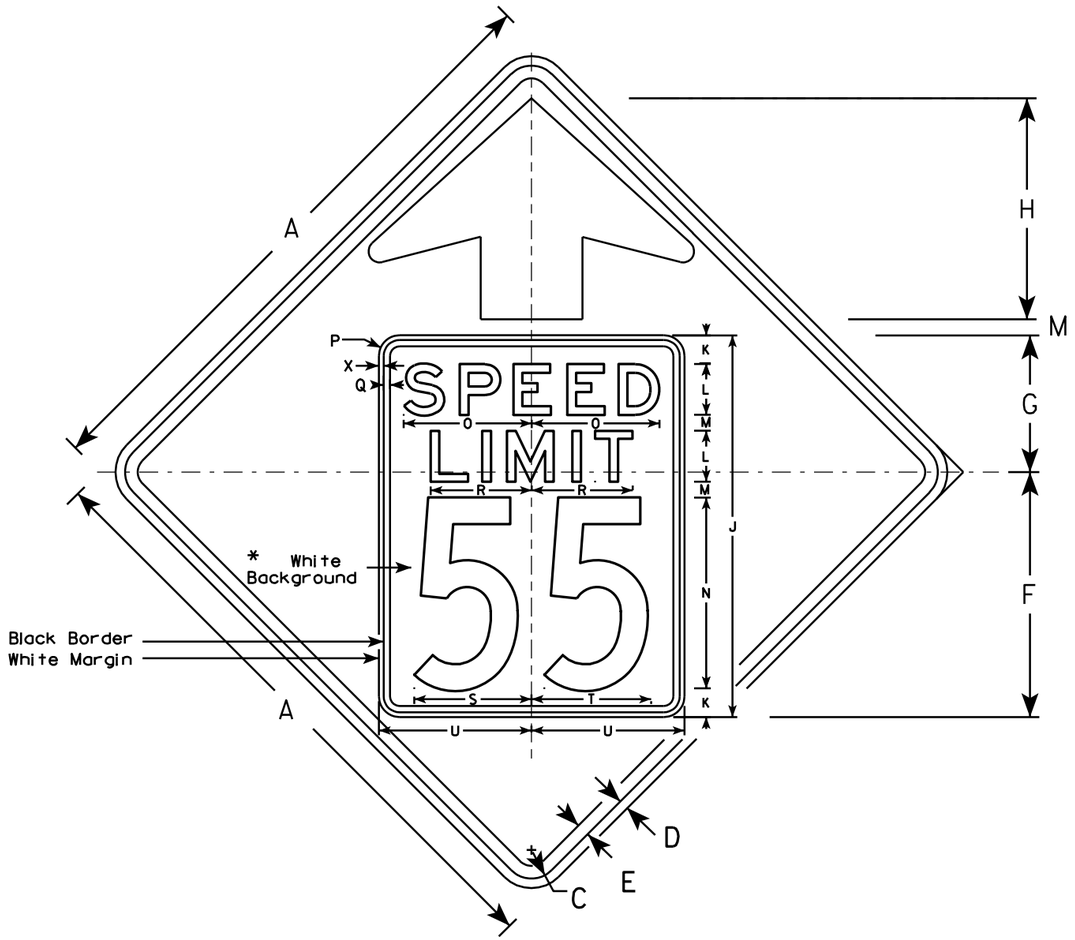
STANDARD SIGN
W3-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 566 | E

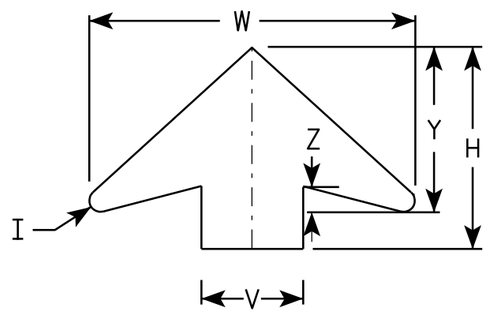


W3-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color: *
   Background - YELLOW*
   Message - BLACK
3. Message Series - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2M	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
3	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W3-5

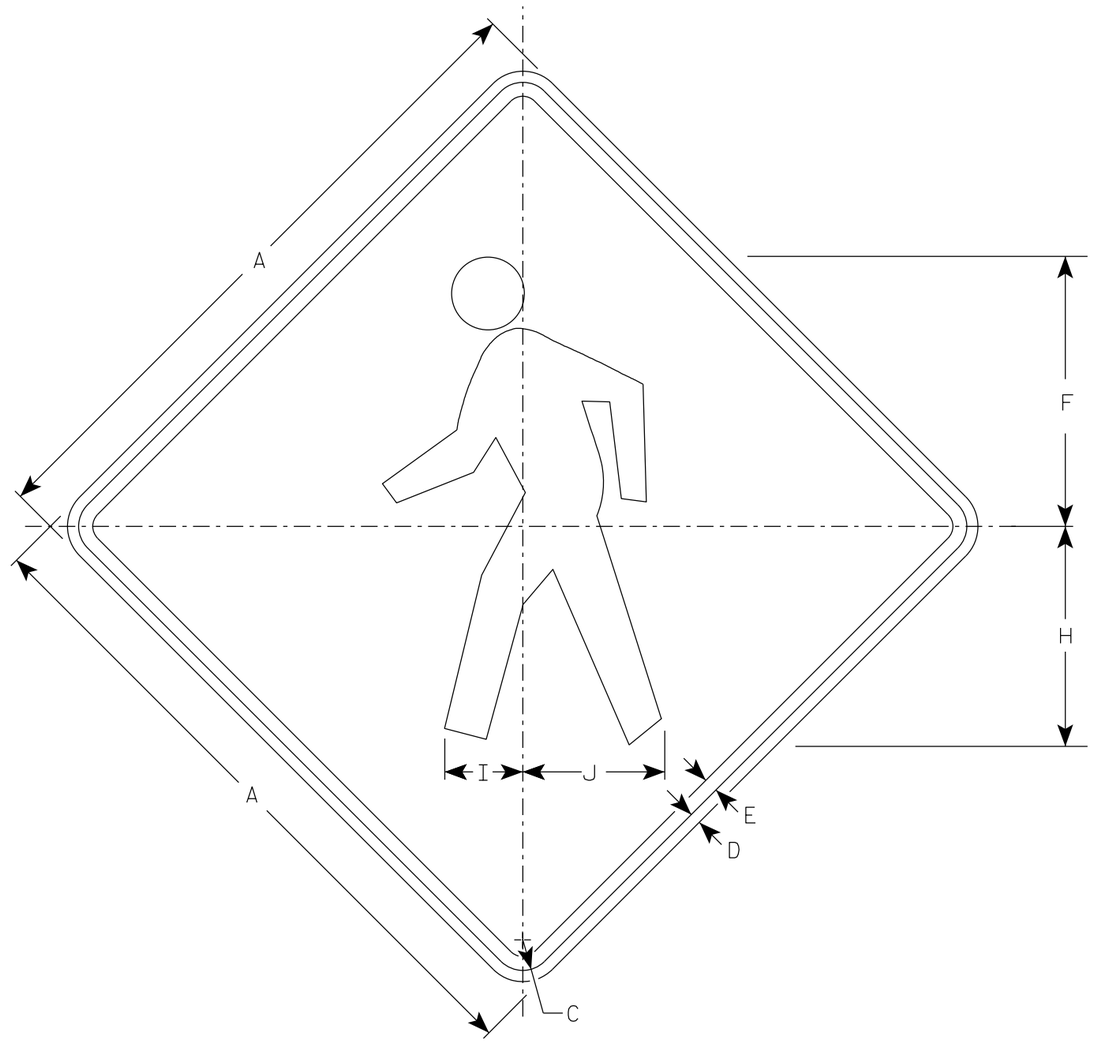
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W3-5.5

PROJECT NO:

SHEET NO: 567 E



W11-2

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

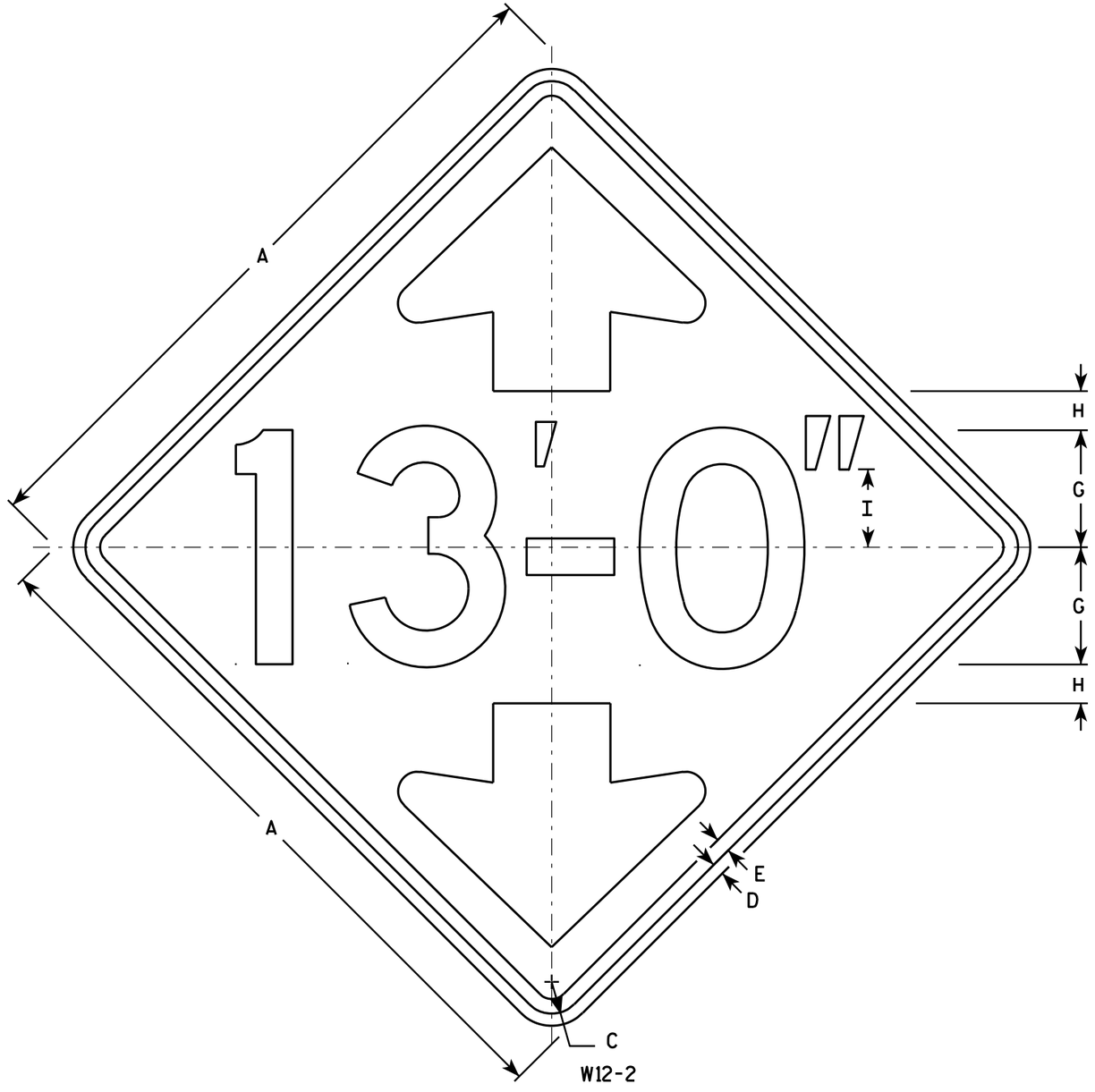
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/8/2020 PLATE NO. W11-2.8

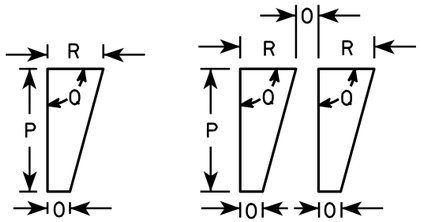
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 568	E



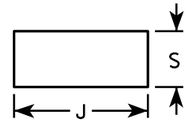
NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. 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. Substitute appropriate numerals and optically adjust spacing of numerals, hyphen, foot & inch marks to achieve proper balance.

Arrow Detail



Foot Mark & Inch Mark Detail



Hyphen Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		5	1 5/8	3 3/8	3 3/4	6 5/8	5 3/4	3/4	2 1/2	1/2	2 1/4	90°	1	1 5/8								6.25
2S	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
2M	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
3	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
4	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
5	48		2 1/4	3/4	1		8	2 5/8	5 1/2	5 7/8	10 5/8	9 1/4	1 3/8	4	5/8	3 5/8	90°	1 5/8	2 1/2								16.00

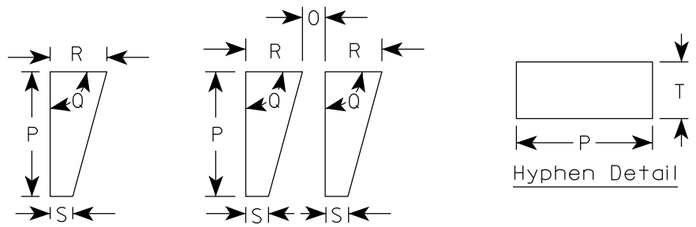
STANDARD SIGN
W12-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-2.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 569	E

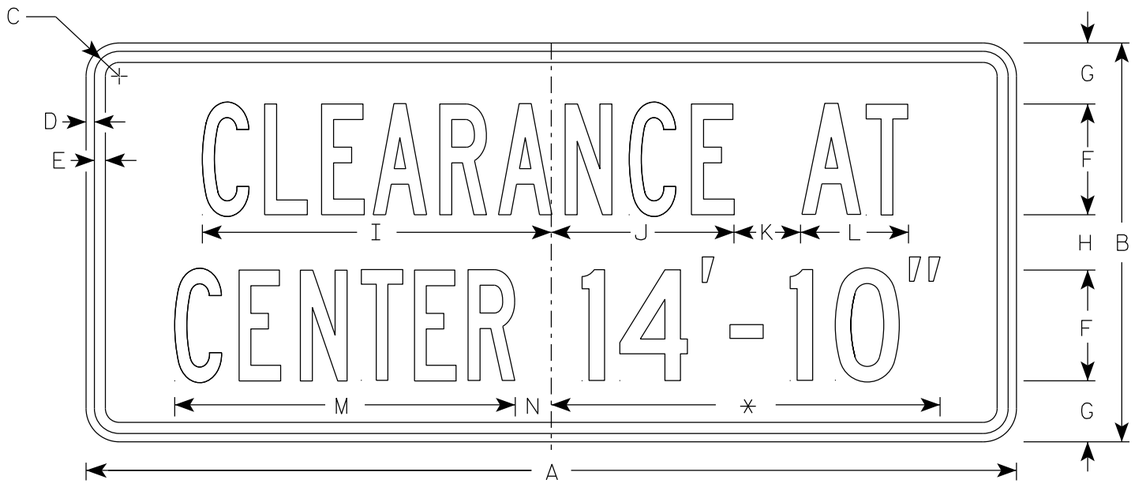


Foot Mark & Inch Mark Detail

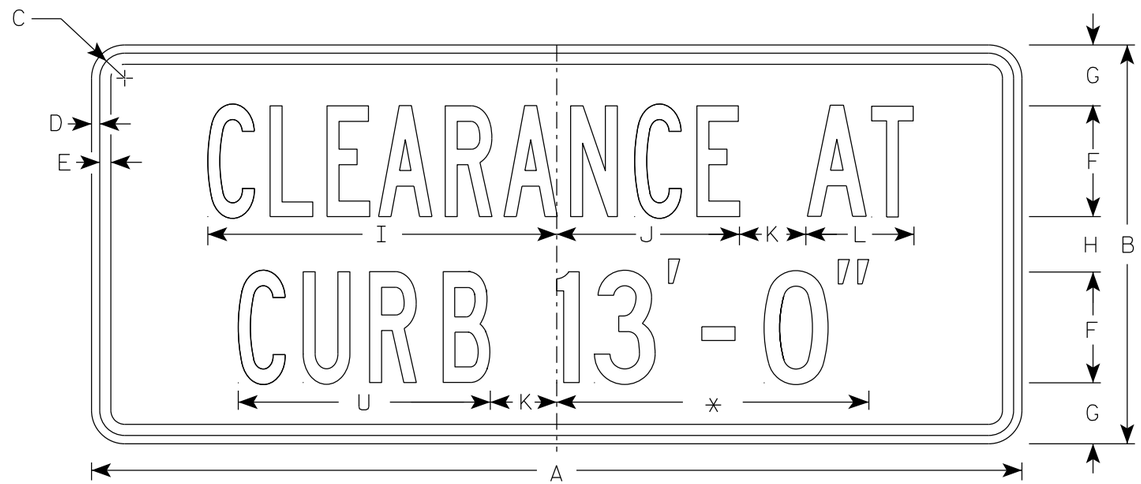
Hyphen Detail

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - B
4. Substitute appropriate numerals and optically adjust spacing of numerals, hyphen, foot & inch marks to achieve proper balance.



W12-2A



W12-2B

* Varies (See Note 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	42	18	1 1/8	3/8	1/2	5	2 3/4	2 1/2	15 3/4	8 1/4	3	4 7/8	15 3/8	1 5/8	3/8	1 1/8	90°	1/2	3/16	5/8	11 3/8						5.25
2S	42	18	1 1/8	3/8	1/2	5	2 3/4	2 1/2	15 3/4	8 1/4	3	4 7/8	15 3/8	1 5/8	3/8	1 1/8	90°	1/2	3/16	5/8	11 3/8						5.25
2M	42	18	1 1/8	3/8	1/2	5	2 3/4	2 1/2	15 3/4	8 1/4	3	4 7/8	15 3/8	1 5/8	3/8	1 1/8	90°	1/2	3/16	5/8	11 3/8						5.25
3	42	18	1 1/8	3/8	1/2	5	2 3/4	2 1/2	15 3/4	8 1/4	3	4 7/8	15 3/8	1 5/8	3/8	1 1/8	90°	1/2	3/16	5/8	11 3/8						5.25
4	60	30	1 3/8	1/2	5/8	8	4 7/8	4 1/4	25 1/4	13 1/4	4 3/4	7 7/8	24 5/8	2 5/8	1/2	1 5/8	90°	3/4	5/16	7/8	18 1/4						12.5
5																											

STANDARD SIGN
W12-2A & W12-2B

WISCONSIN DEPT OF TRANSPORTATION

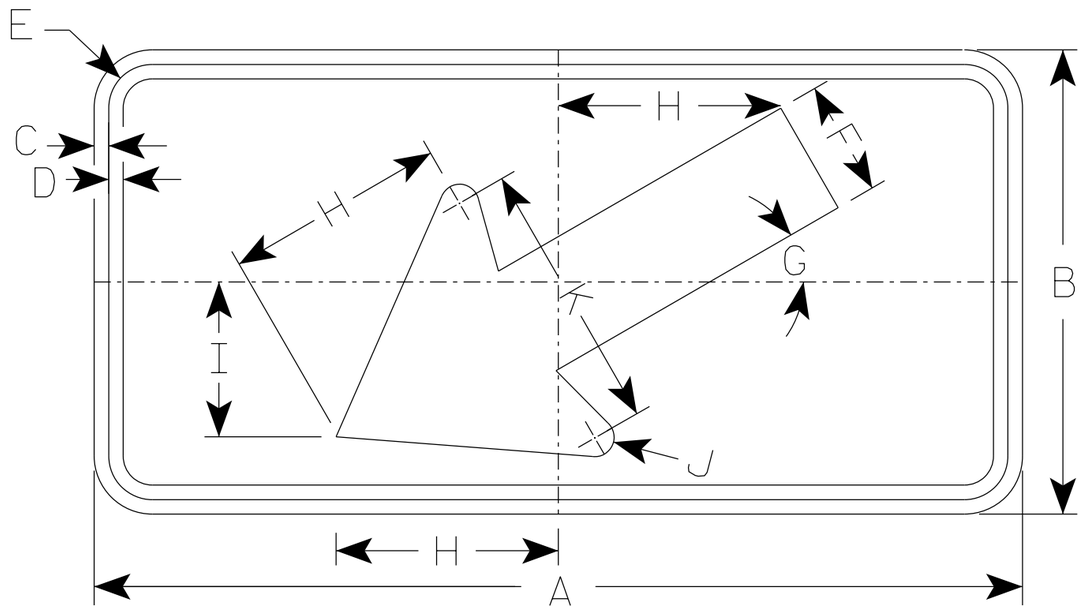
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/13/18 PLATE NO. W12-2A.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 570 | E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W16-7R is the same as W16-7L
   except the arrow is reversed along the vertical centerline.



W16-7L

* For 36" x 36" Warning Signs, use 30" x 18" W16-7L signs.
* For 48" x 48" Warning Signs, use 48" x 24" W16-7L signs.

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1																											
	2S	24	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
*	2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
*	3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
*	4	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0
	5																											

STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

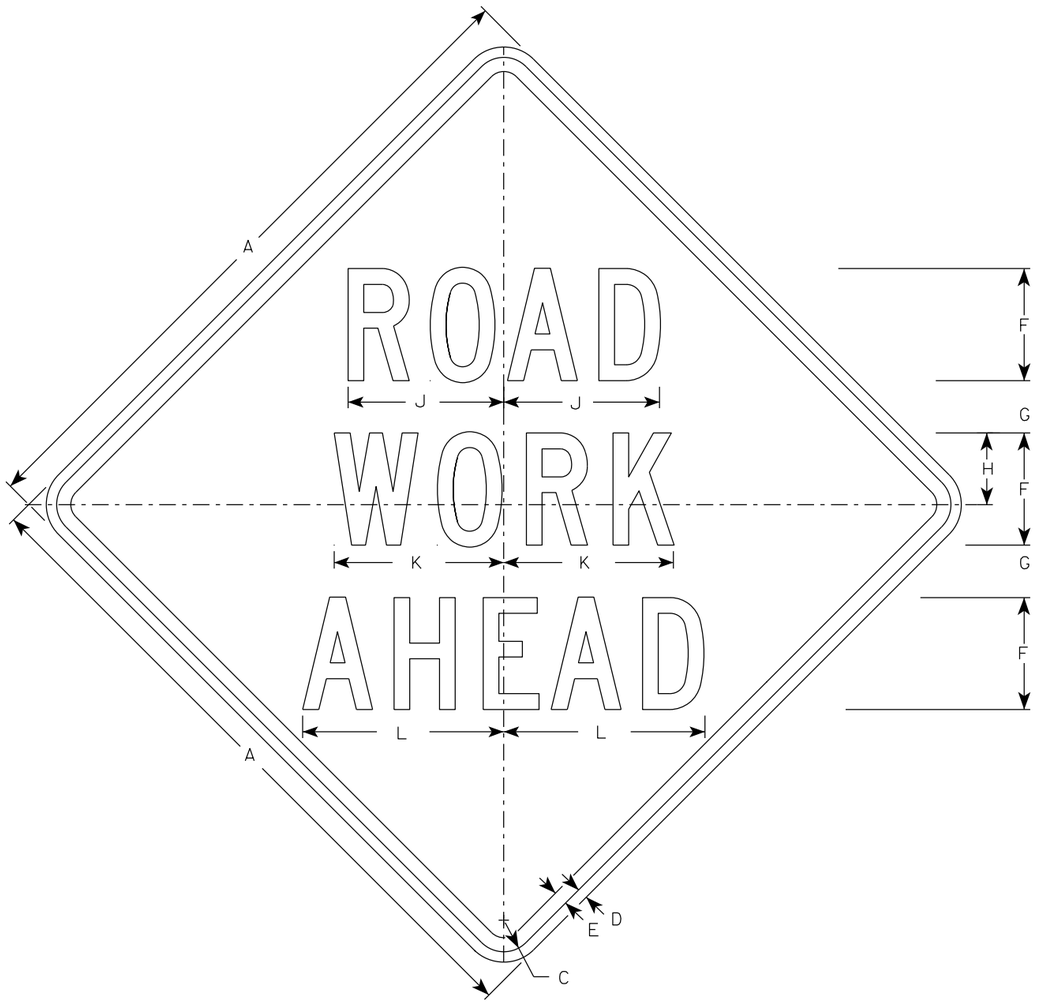
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/25/2020 PLATE NO. W16-7.7

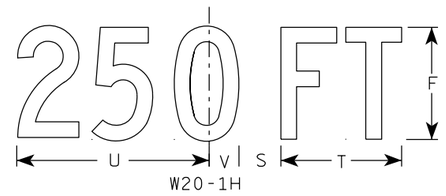
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 571 | E

NOTES

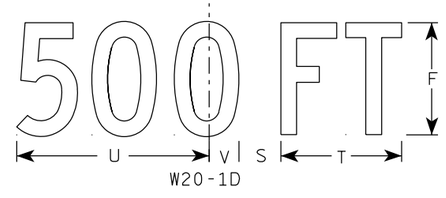
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



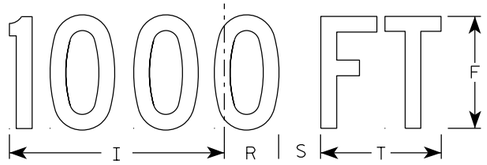
W20-1A



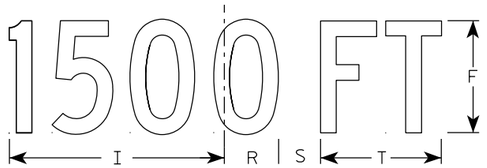
W20-1H



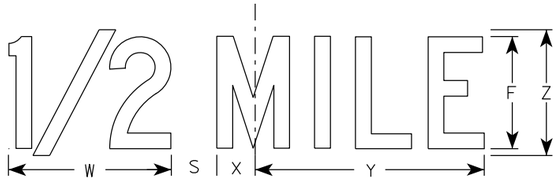
W20-1D



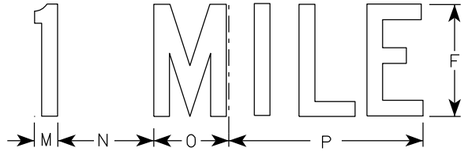
W20-1C



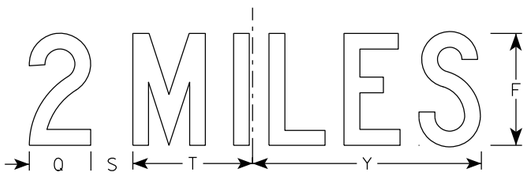
W20-1B



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:

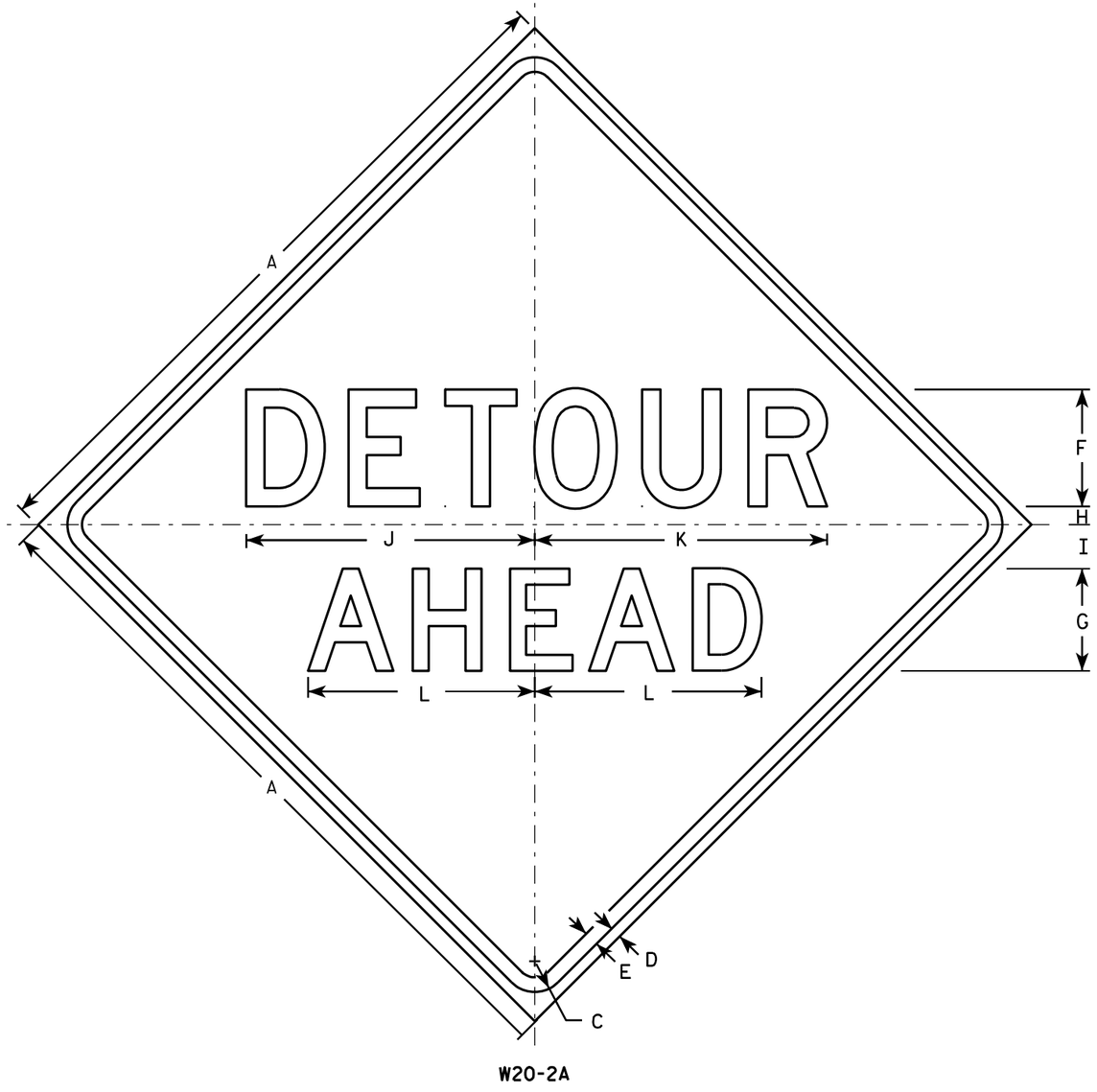
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

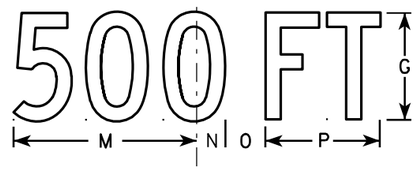
WISDOT/CADDS SHEET 42

7

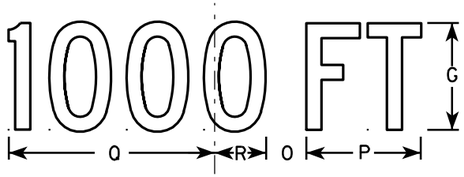
7



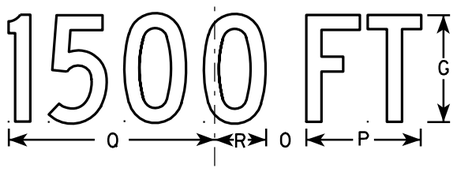
W20-2A



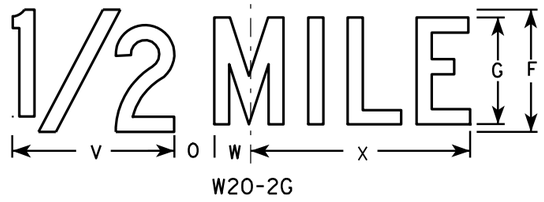
W20-2D



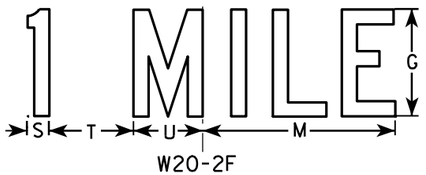
W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

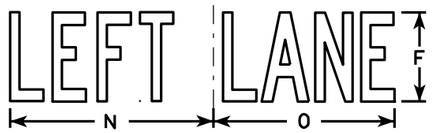
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

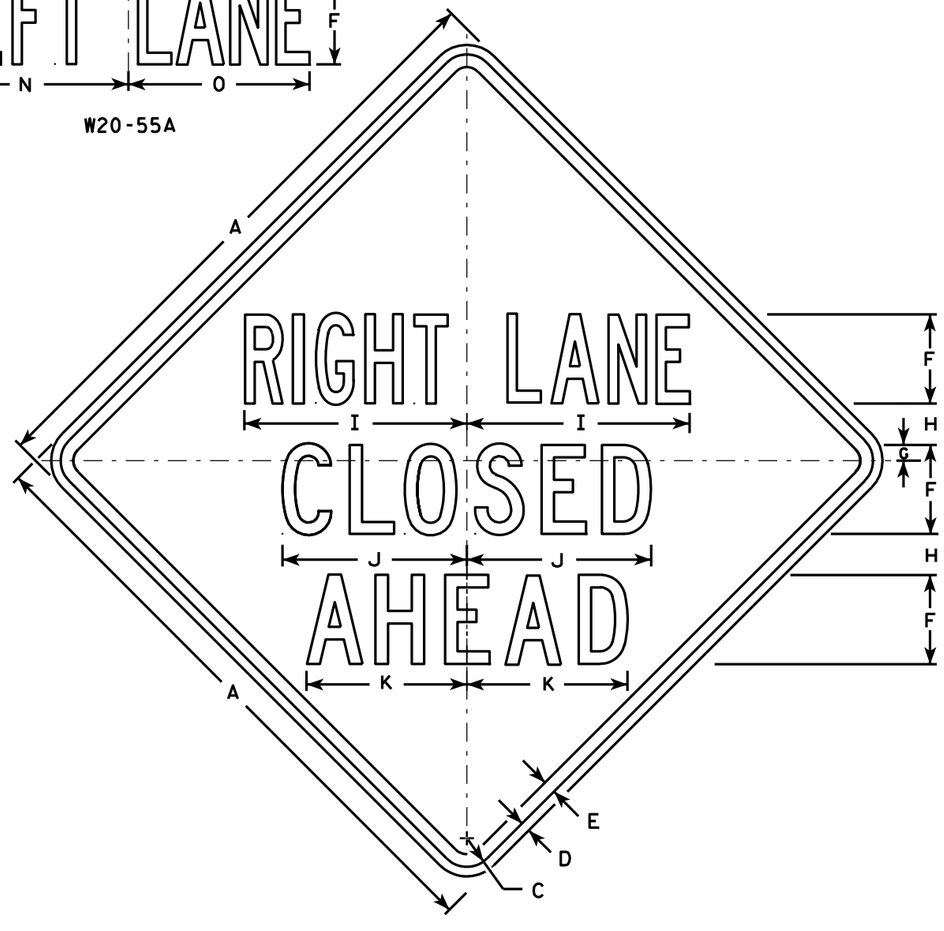
DATE 3/18/11 PLATE NO. W20-2.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 573	E

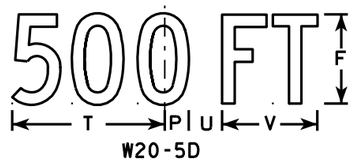
W20-56A



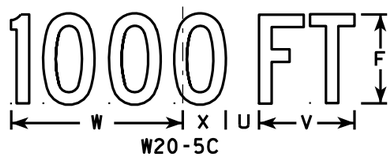
W20-55A



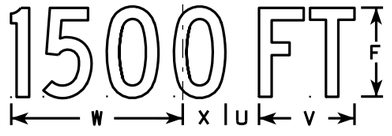
W20-5A



W20-5D



W20-5C



W20-5B

W20-5G

W20-5F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	1 5/8	5/8	3/4	5	1/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

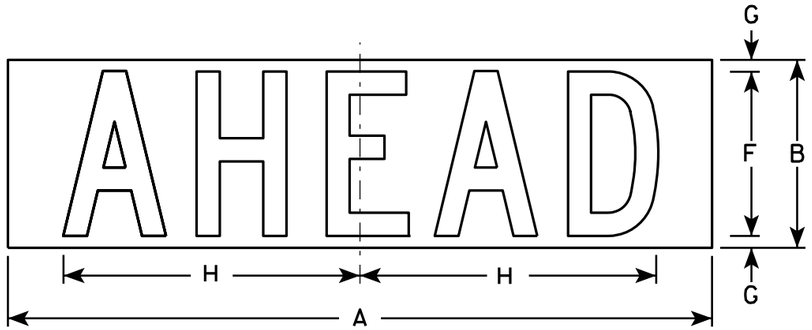
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 574 | E

7

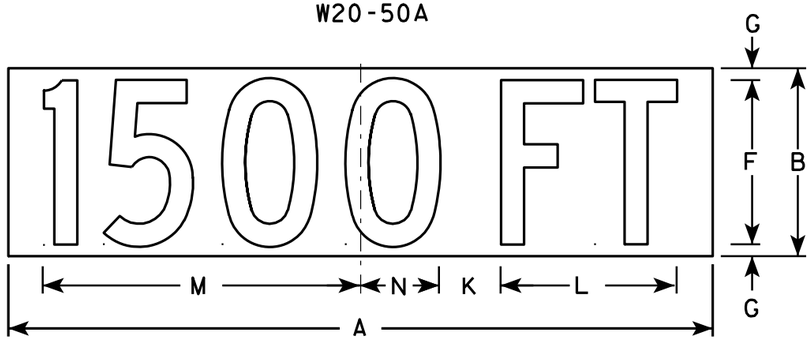
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42

NOTES

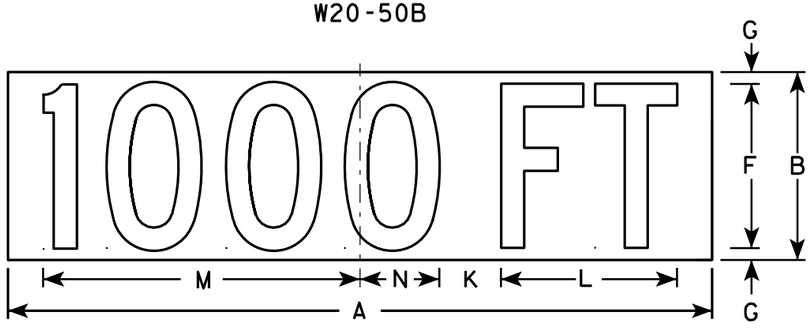
1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. These plaques are for changing the distance shown on signs W20 series of signs.



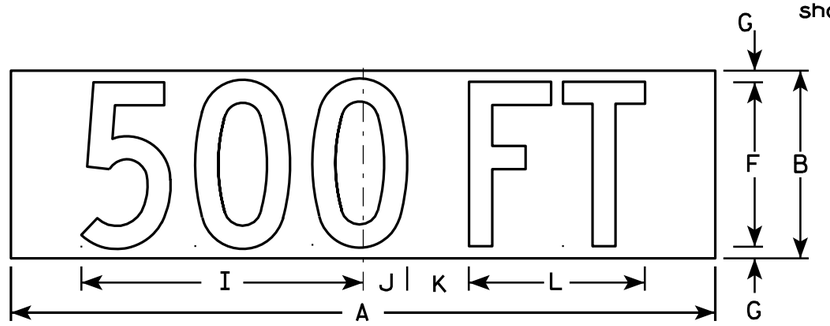
W20-50A



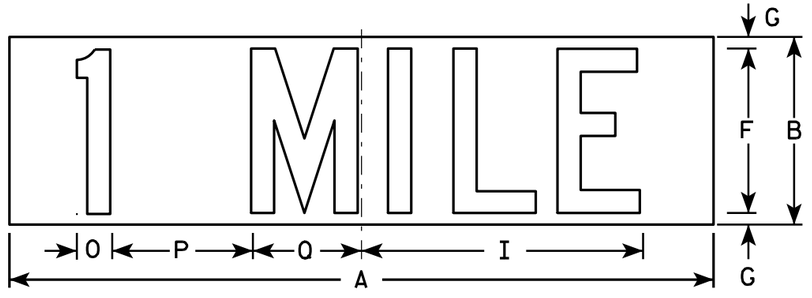
W20-50B



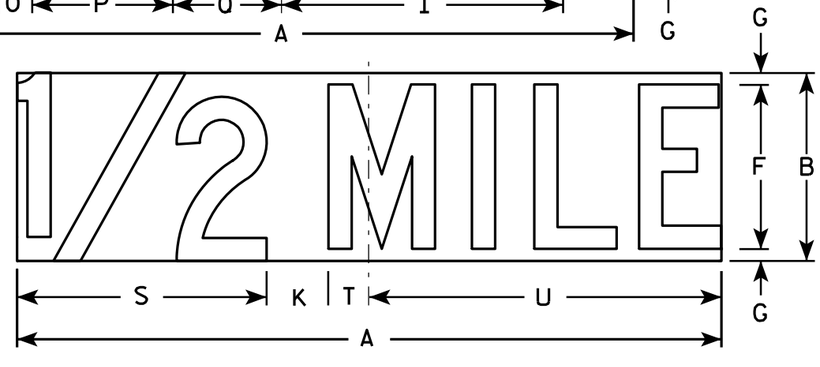
W20-50C



W20-50D



W20-50F



W20-50G

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	22	6				5	½	9 ½	9	1 ⅜	1 ⅞	5 ⅝	10 ⅛	2 ½	1 ⅛	4 ½	3 ½		8	1 ¾	10 ¾						0.92
2S	30	8				7	½	12 ⅝	12	1 ⅞	2 ⅝	7 ½	13 ½	3 ⅜	1 ½	6	4 ⅝		10 ⅝	2 ⅜	14 ⅜						1.67
2M	30	8				7	½	12 ⅝	12	1 ⅞	2 ⅝	7 ½	13 ½	3 ⅜	1 ½	6	4 ⅝		10 ⅝	2 ⅜	14 ⅜						1.67
3	30	8				7	½	12 ⅝	12	1 ⅞	2 ⅝	7 ½	13 ½	3 ⅜	1 ½	6	4 ⅝		10 ⅝	2 ⅜	14 ⅜						1.67
4	30	8				7	½	12 ⅝	12	1 ⅞	2 ⅝	7 ½	13 ½	3 ⅜	1 ½	6	4 ⅝		10 ⅝	2 ⅜	14 ⅜						1.67
5	30	8				7	½	12 ⅝	12	1 ⅞	2 ⅝	7 ½	13 ½	3 ⅜	1 ½	6	4 ⅝		10 ⅝	2 ⅜	14 ⅜						1.67

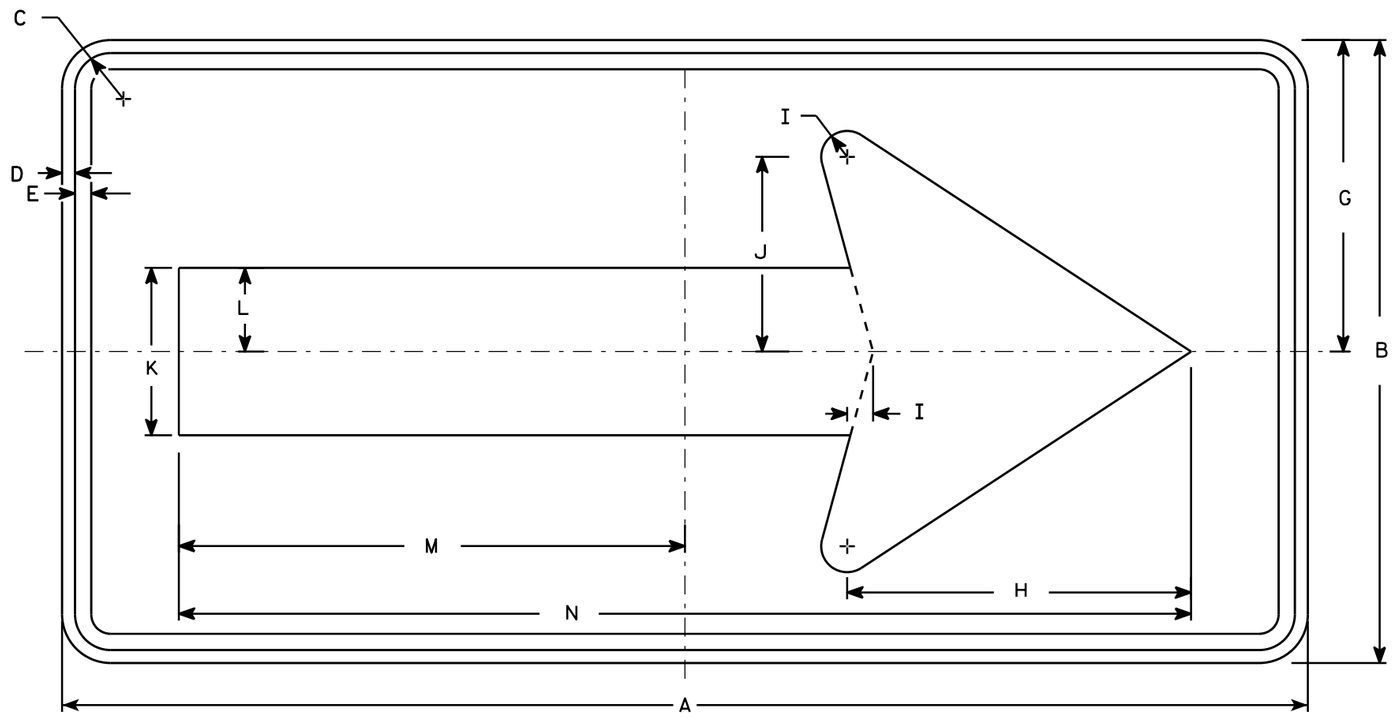
SUPPLEMENTARY MESSAGES
W20-50A, B, C, D, F, & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-50.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 575	E



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

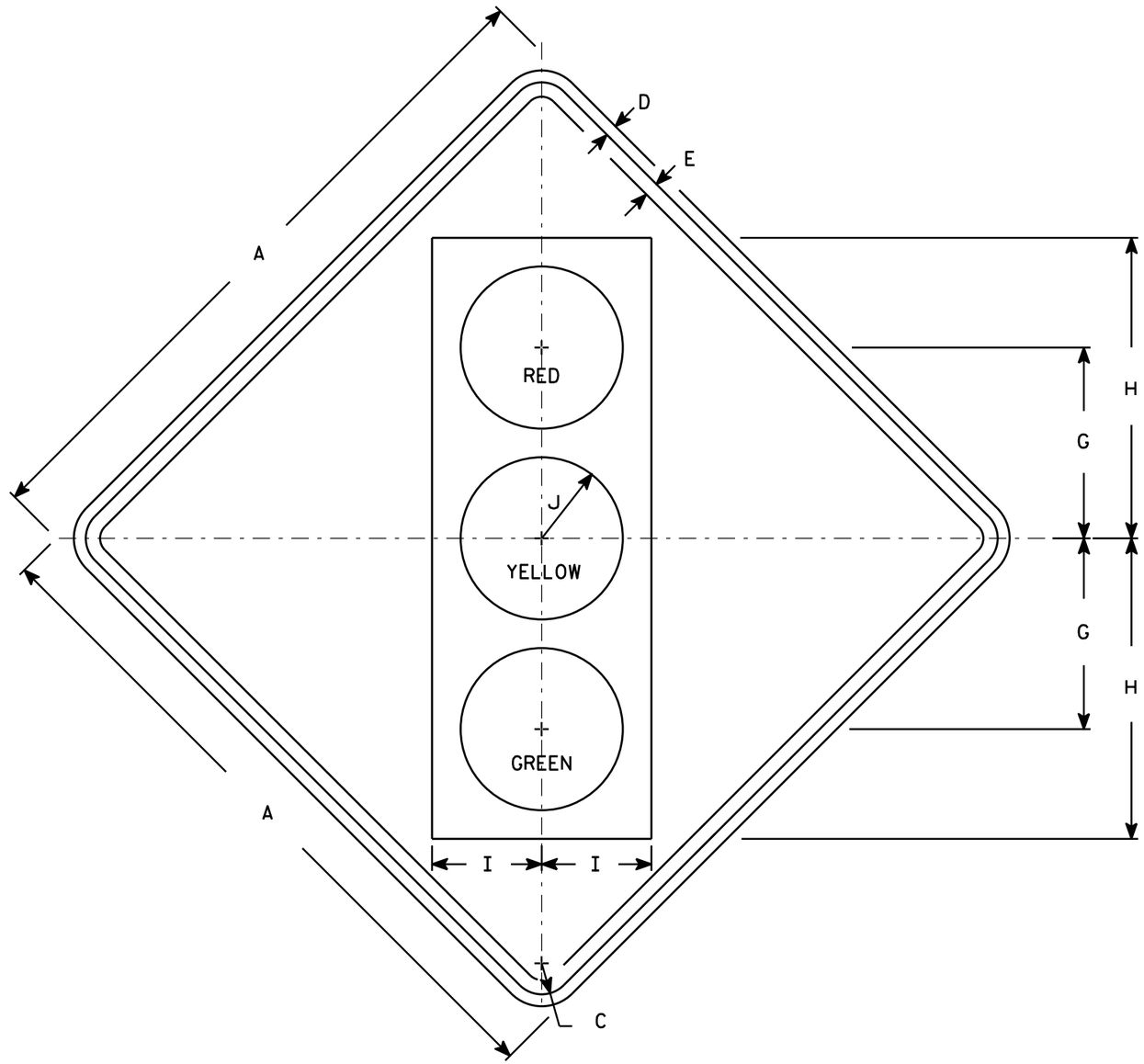
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-6.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W03-3

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - 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	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2S	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
2M	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
3	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
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

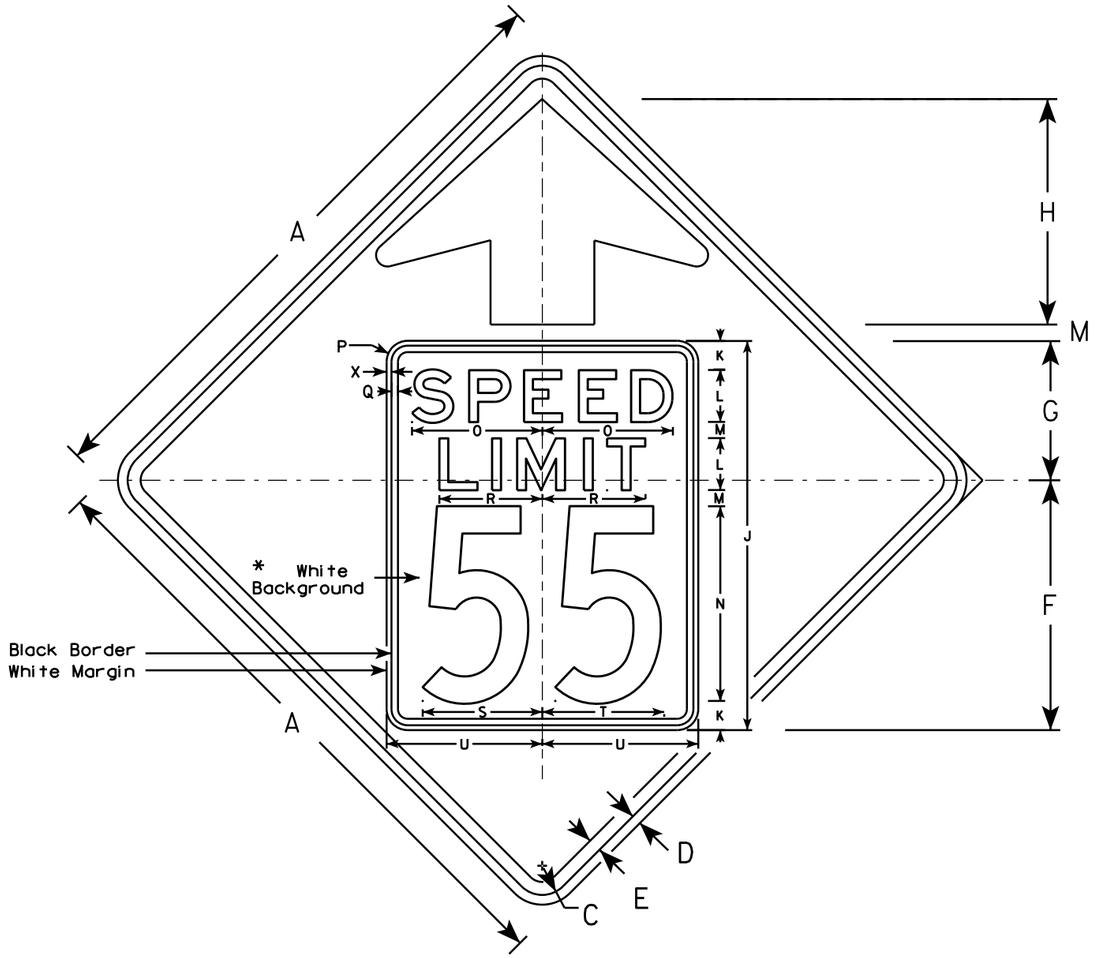
STANDARD SIGN
W03-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLAT 577 W03-3.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

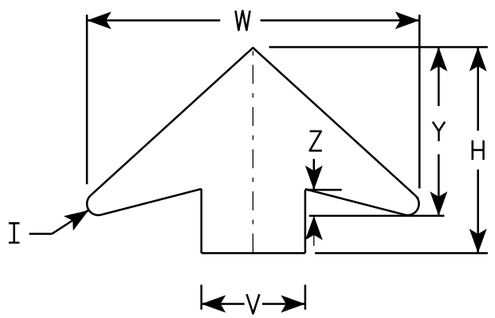


W03-5

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 for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2S	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
2M	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
3	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W03-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

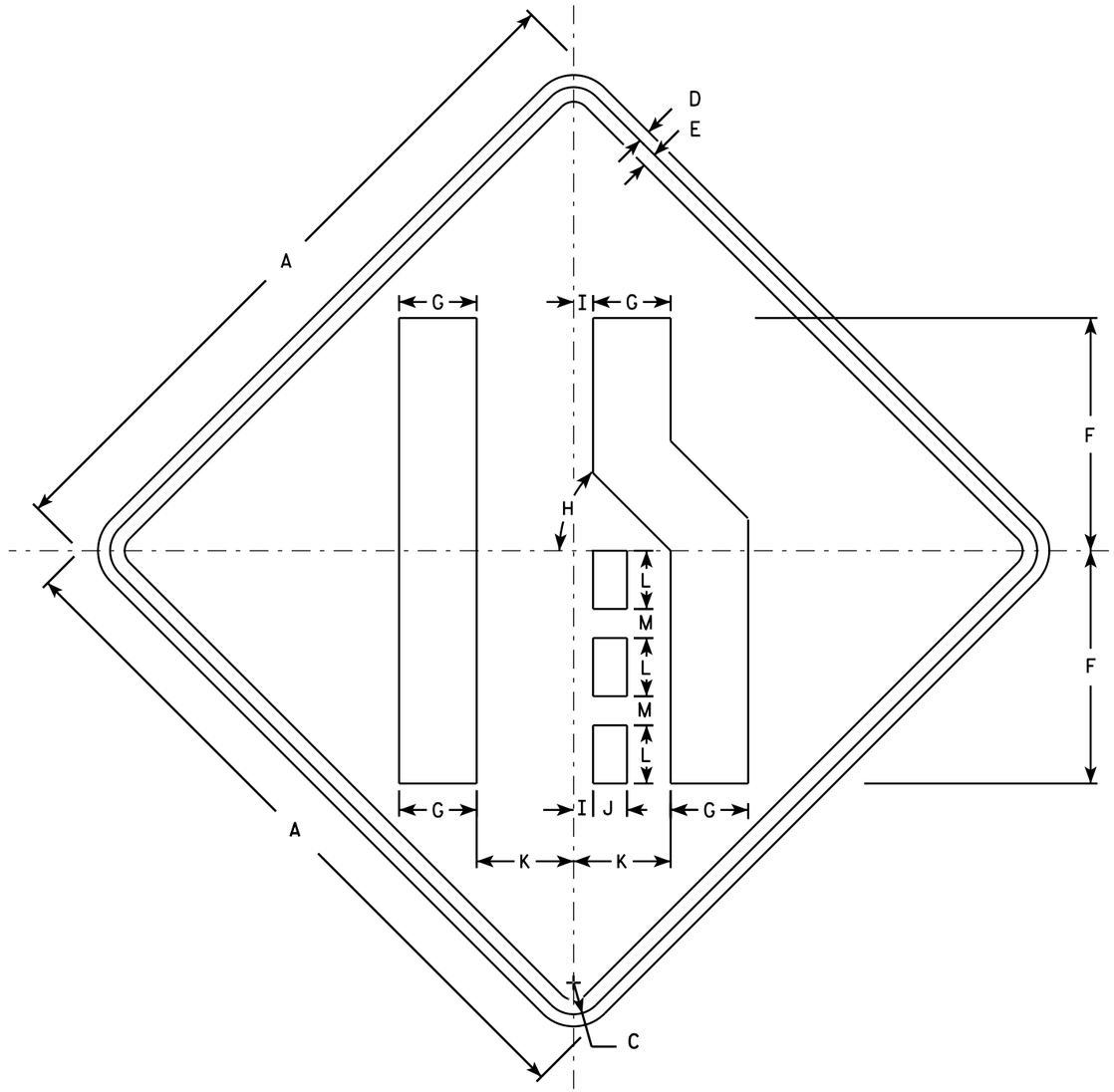
DATE 11/20/13 PLATE W03-5.1

PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W035.DGN PLOT DATE : 20-NOV-2013 11:32 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

7 7



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

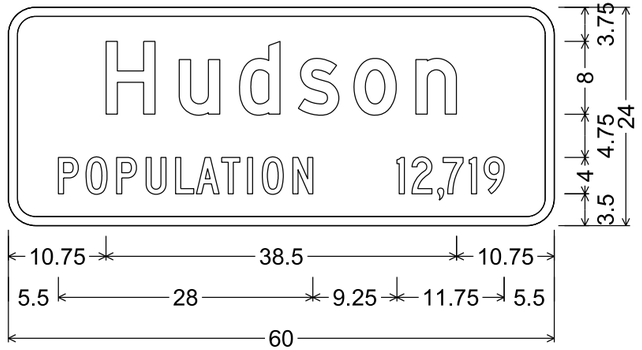
DATE 11/20/13 PLATE 579 W04-2.1

PROJECT NO:

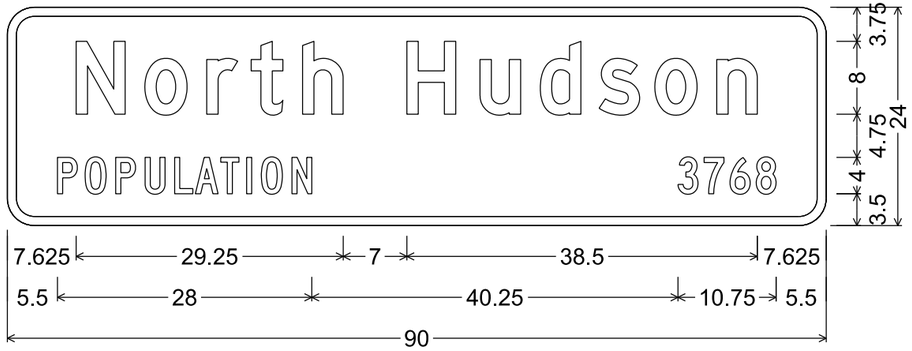
SHEET NO: E

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - As noted



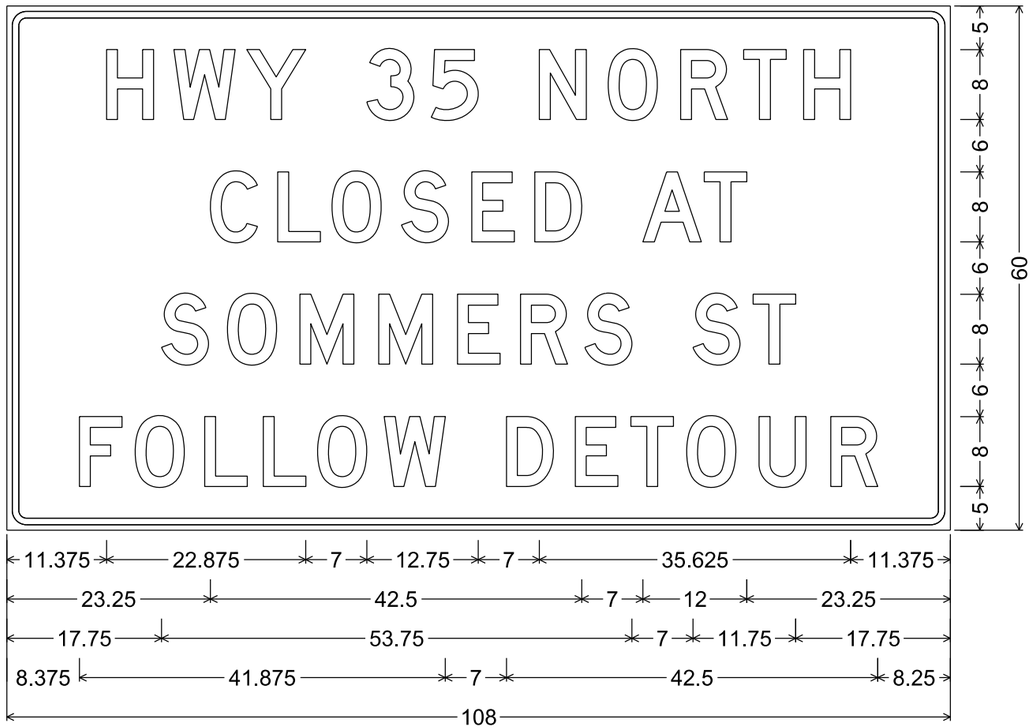
I2-3; 3.000" Radius, 1.000" Border,
"Hudson", D; "POPULATION", C; "12,719", C



I2-3; 3.000" Radius, 1.000" Border,
"North", D; "Hudson", D; "POPULATION", C; "3768", C

7

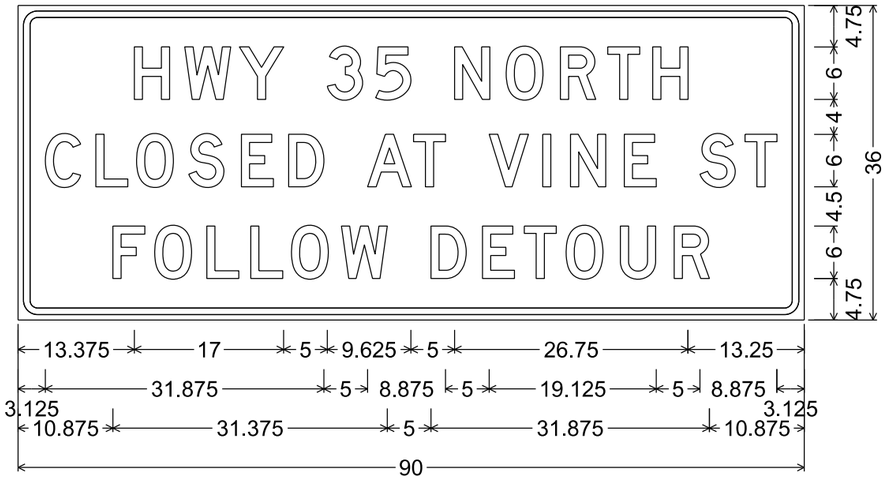
7



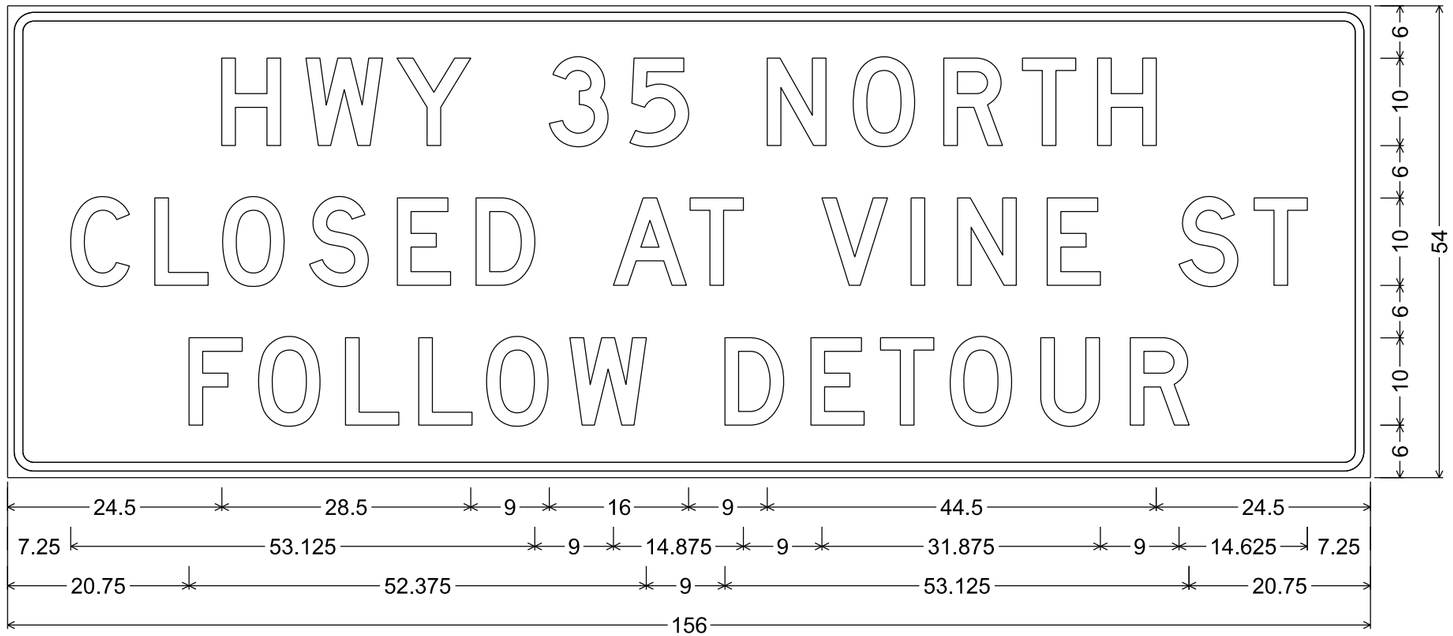
2.250" Radius, 0.750" Border, 0.625" Indent, Black on, Fluorescent orange;

NOTES

1. Fixed Message Type II Signs - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D



2.250" Radius, 0.750" Border, 0.625" Indent, Black on, Fluorescent orange;



3.000" Radius, 1.000" Border, 0.750" Indent

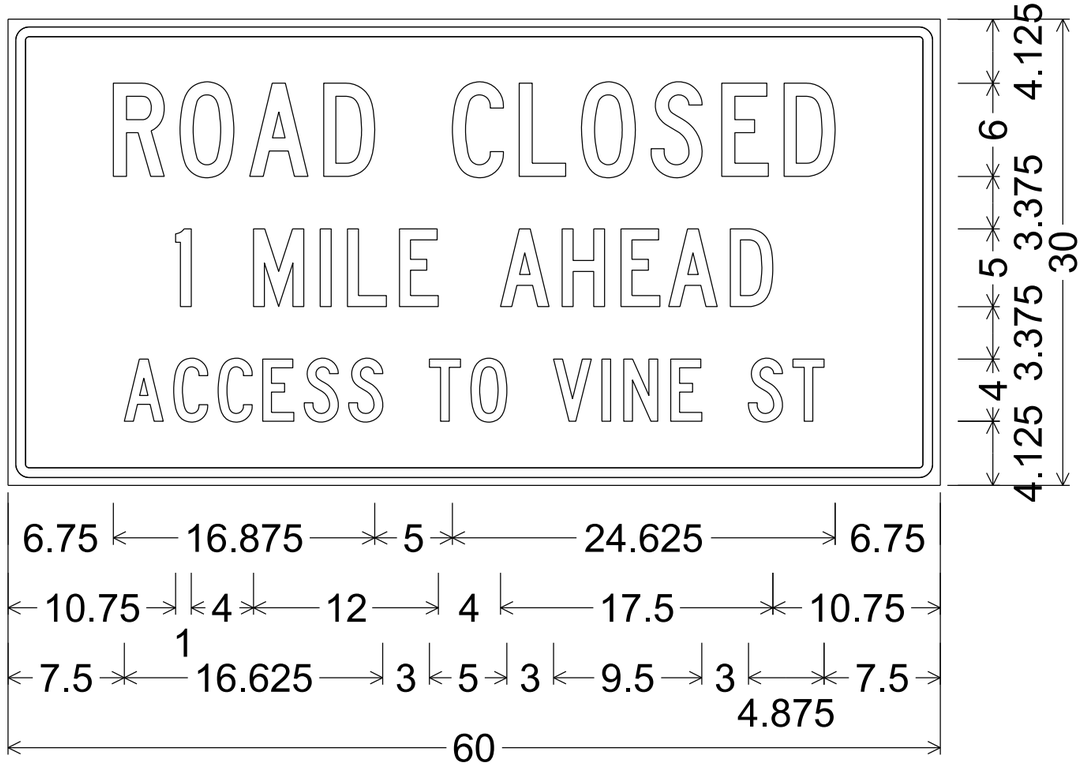
7

7

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	TEMPORARY SIGNING	SHEET NO: 581	E

NOTES

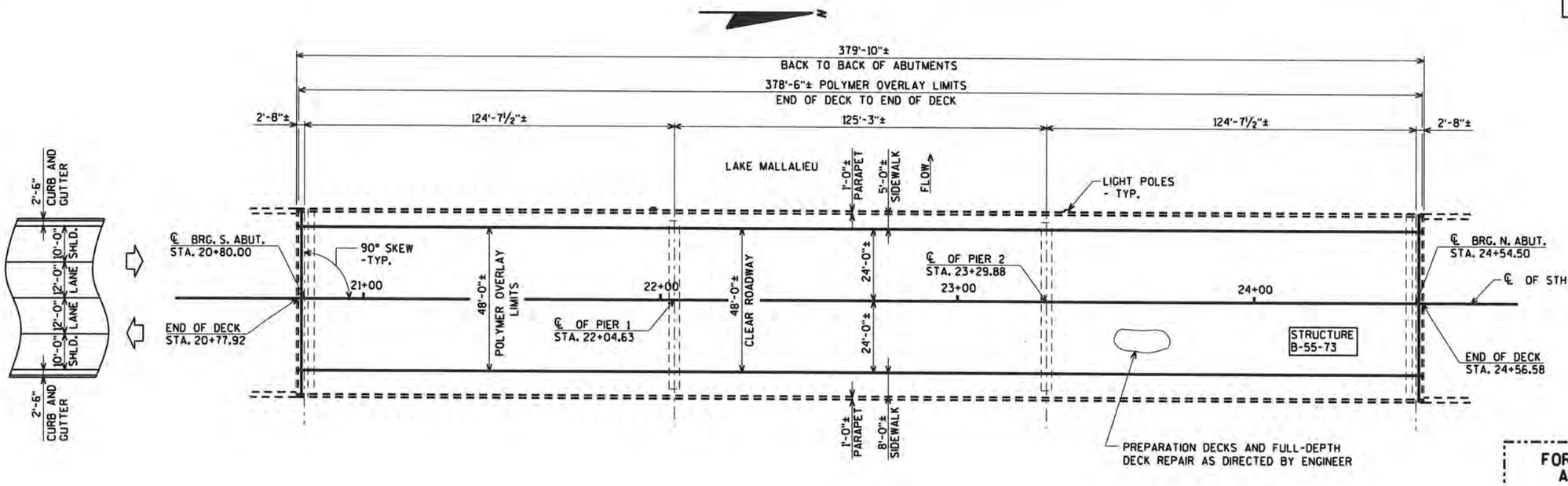
1. Fixed Message Type II Signs - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C



1.375" Radius, 0.625" Border, 0.500" Indent, Black on, White;

$PRFNAME$
I:\42\41-0791.30 - STH 35 Rehabilitation - Hudson\Structure\FINAL\B-55-0073 gp.dgn
DATE:
DATE:
DATE:
CHECKED BY:
BACK CHECKED BY:
CORRECTED BY:

STATE PROJECT NUMBER
8080-05-70



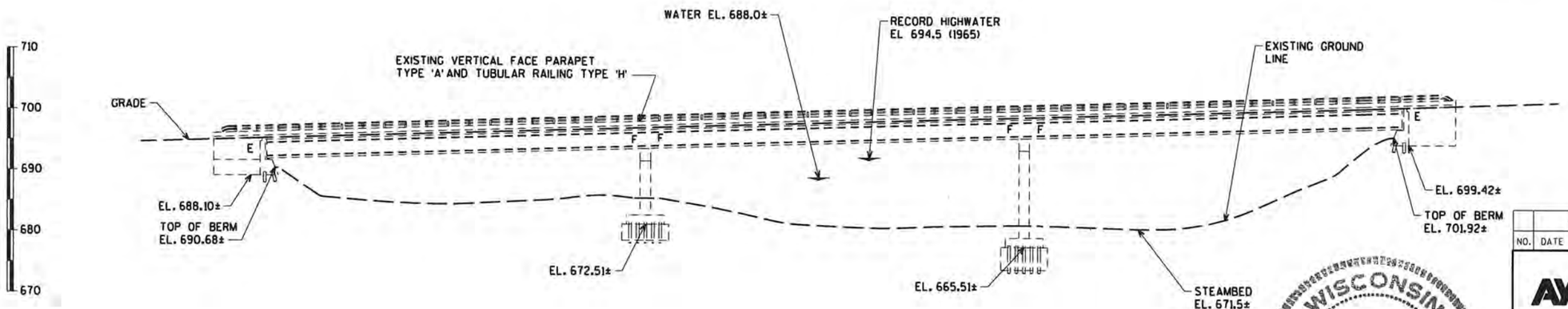
FOR TYPICAL SECTION AND DESIGN DATA SEE SHEET 2.

PLAN

THREE SPAN - 70" PRESTRESSED CONCRETE GIRDER BRIDGE
(POLYMER OVERLAY)

LIST OF DRAWINGS

1. GENERAL PLAN
2. TYPICAL SECTION, DESIGN DATA, AND QUANTITIES
3. CONSTRUCTION STAGING



ELEVATION
(LOOKING WEST)

WISCONSIN
CHRISTOPHER B. McMAHON
E-29454
EAU CLAIRE
WI
PROFESSIONAL ENGINEER
5/22/2020

BRIDGE OFFICE CONTACT:
AARON BONK
(608)-261-0261

CONSULTANT CONTACT:
CHRIS MCMAHON
(715)-834-3161

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY
AYRES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED SDR 09/04/20
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-55-73

STH 35 OVER LAKE MALLALIEU

COUNTY ST. CROIX | ~~TOWN~~/CITY/~~VILLAGE~~ HUDSON

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	AEB	DESIGN CK'D.	JLB	DRAWN BY	JLB	PLANS CK'D.	CBM

GENERAL PLAN

SHEET 583

8

8

STATE PROJECT NUMBER
8080-05-70

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTAL
509.0301	PREPARATION DECKS TYPE 1	SY	100
509.0302	PREPARATION DECKS TYPE 2	SY	25
509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	LF	200
509.2000	FULL-DEPTH DECK REPAIR	SY	5
⚠ 509.2100.S	CONCRETE MASONRY DECK REPAIR	CY	10
509.5100.S	POLYMER OVERLAY	SY	2,020

⚠ BID ITEM INCLUDES CONCRETE FOR "PREPARATION DECKS TYPE 1", "PREPARATION DECKS TYPE 2", AND "FULL DEPTH DECK REPAIR".

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HS-20
INVENTORY RATING: HS-17
OPERATING RATING: HS-28
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS

MATERIAL PROPERTIES:

CONCRETE MASONRY { DECK REPAIR & SUPERSTRUCTURE ____ f'_c = 4,000 p.s.i.

TRAFFIC DATA:

A.D.T. = 12,500 (2021)
A.D.T. = 14,300 (2041)
R.D.S. = 30 M.P.H.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

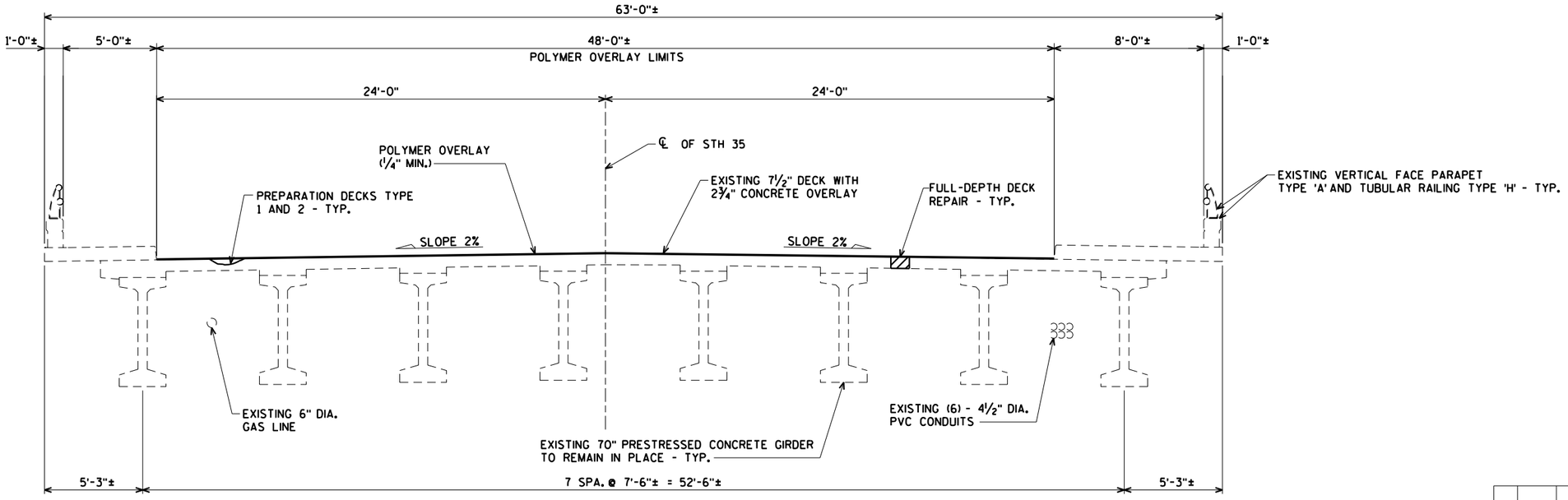
AREAS OF "PREPARATION DECKS TYPE 1" SHALL BE DEFINED BY A SAW CUT.

PREPARATION DECKS, CONCRETE SURFACE REPAIR, AND FULL-DEPTH DECK REPAIR SHALL BE AS DETERMINED BY THE ENGINEER IN THE FIELD.

DECK PREPARATION AND FULL-DEPTH DECK REPAIRS SHALL BE FILLED WITH "CONCRETE MASONRY DECK REPAIR".

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF 1/4" PLACED ABOVE THE FINAL DECK SURFACE AFTER ALL PREPARATION.

ORIGINAL CONSTRUCTION YEAR IS 1978.



CROSS SECTION THRU BRIDGE
(LOOKING NORTH)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-55-73

DRAWN BY JLB | PLANS CK'D. AEB

TYPICAL SECTION DESIGN DATA, AND QUANTITIES

SHEET 2 OF 3
584

ORIGINAL PLANS PREPARED BY
AYRES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

$PRFNAME$
I:±42±41-0791.30 - STH 35 Rehabilitation - Hudson±Structure±FINAL±B-55-0073 gp.dgn

8

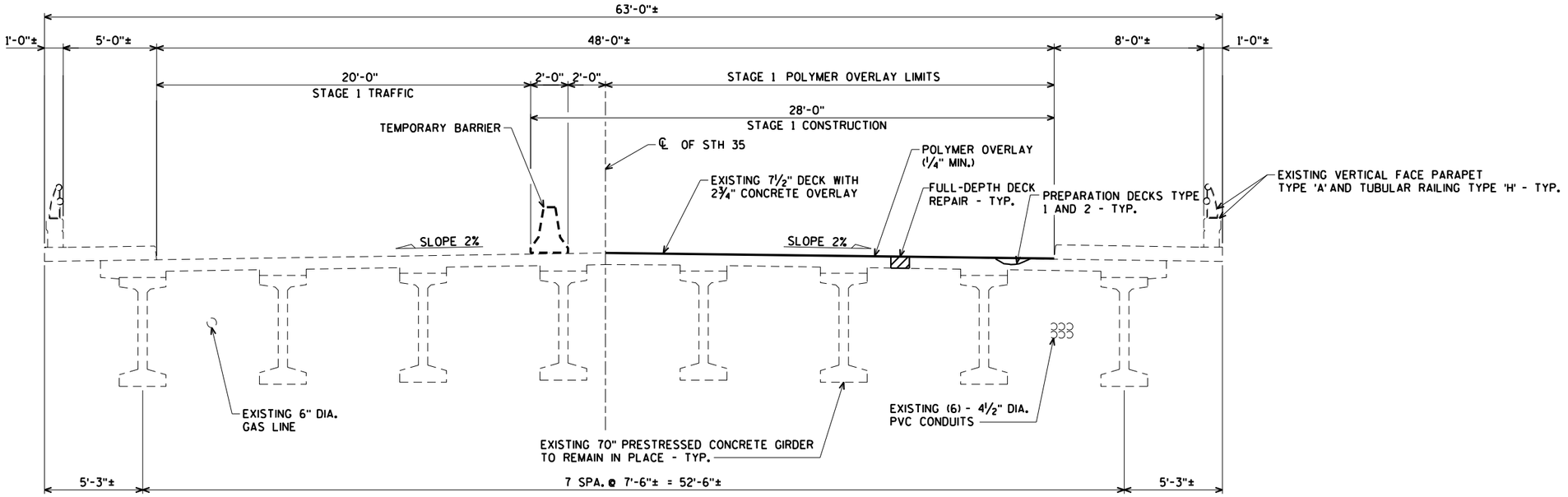
8

5/22/2020

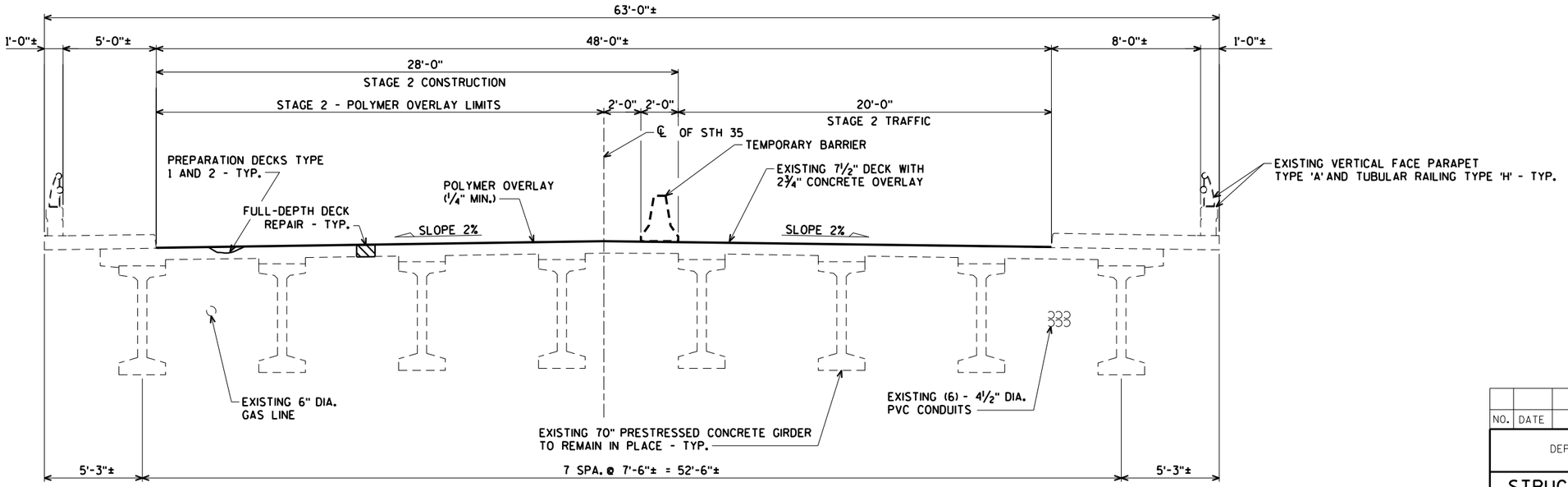
PENTABLE:BReau_shd_util.tbl

STATE PROJECT NUMBER

8080-05-70



CROSS SECTION THRU BRIDGE
STAGE 1 TRAFFIC
(LOOKING NORTH)



CROSS SECTION THRU BRIDGE
STAGE 2 TRAFFIC
(LOOKING NORTH)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-55-73

DRAWN BY JLB | PLANS CK'D. AEB

CONSTRUCTION STAGING

SHEET 3 OF 3
585

ORIGINAL PLANS PREPARED BY
AYRES
3433 Oakwood Hills Parkway
Eau Claire, WI 54701
www.AyresAssociates.com

8

8

$PRFNAME$
I:\42\41-0791.30 - STH 35 Rehabilitation - Hudson\Structure\FINAL\B-55-0073 gp.dgn

5/22/2020

PENTABLE:BReau_shd_util.tbl

STH 35 EARTHWORK SUMMARY - PROJECT ID 8080-02-60

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	EXPANDED CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
217+98.307	21798.31	0.00	5.52	0.00	0.80	0	0	0	0	0	0
218+00	21800.00	1.69	5.68	0.00	0.81	0	0	0	0	0	0
218+25	21825.00	25.00	9.06	0.00	3.18	7	0	2	7	3	5
218+50	21850.00	25.00	12.81	0.00	5.50	10	0	4	17	8	10
218+75	21875.00	25.00	17.11	0.00	1.31	14	0	3	31	11	20
219+00	21900.00	25.00	28.00	0.00	0.43	21	0	1	52	13	40
219+25	21925.00	25.00	36.22	0.00	0.00	30	0	0	82	13	70
219+50	21950.00	25.00	64.76	8.29	0.00	47	4	0	129	13	113
219+75	21975.00	25.00	58.51	17.25	0.00	57	12	0	186	13	162
220+00	22000.00	25.00	42.07	1.02	0.00	47	8	0	233	13	213
220+25	22025.00	25.00	39.47	0.00	0.00	38	0	0	271	13	259
220+50	22050.00	25.00	32.94	0.00	0.00	34	0	0	305	13	293
220+75	22075.00	25.00	31.61	0.00	6.27	30	0	3	335	16	319
221+00	22100.00	25.00	28.94	0.00	0.08	28	0	3	363	20	343
221+25	22125.00	25.00	28.39	0.00	0.00	27	0	0	390	20	370
221+50	22150.00	25.00	35.55	0.00	0.42	30	0	0	420	20	400
221+75	22175.00	25.00	31.70	0.00	0.44	31	0	0	451	20	431
222+00	22200.00	25.00	26.15	0.00	0.26	27	0	0	478	20	458
222+25	22225.00	25.00	24.10	0.00	0.14	23	0	0	501	20	481
222+50	22250.00	25.00	18.61	0.00	0.33	20	0	0	521	20	501
222+75	22275.00	25.00	13.26	0.00	1.36	15	0	1	536	21	515
223+00	22300.00	25.00	4.13	0.00	1.85	8	0	1	544	23	522
223+25	22325.00	25.00	4.03	0.00	1.46	4	0	2	548	25	523
223+50	22350.00	25.00	3.70	0.00	2.50	4	0	2	552	28	525
223+75	22375.00	25.00	3.28	0.00	4.66	3	0	3	555	31	524
223+90.075	22390.08	15.08	2.95	0.00	4.15	2	0	2	557	34	523

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
8 - MASS ORDINATE	[CUT - SALVAGED PAVT - (FILL * FILL FACTOR)

9

9

PROJECT NO: 8080-02-60 | HWY: STH 35 | COUNTY: ST CROIX | CROSS SECTIONS: EARTHWORK DATA | SHEET 586 | E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\090201_EWK.DWG
LAYOUT NAME - 090201_ewk

PLOT DATE : 7/30/2020 9:57 AM PLOT BY : BEN NESJA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

EARTHWORK DATA - STH 35 VINE ST TO DIVISION ST

STATION	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
22+20.8	57.15	36.83	0.00	0	0	0	0	0	0
22+50	58.15	36.83	0.00	62	40	0	62	0	22
22+57	60.16	36.83	0.00	15	10	0	77	0	27
22+75	67.39	36.83	0.00	43	25	0	120	0	45
23+00	66.60	36.83	0.00	62	34	0	182	0	73
23+06.411	73.07	36.83	0.48	17	9	0	199	0	81
23+25	60.41	36.83	0.56	46	25	0	245	0	102
23+50	62.80	36.83	0.73	57	34	1	302	1	124
23+66.821	76.02	36.83	0.06	43	23	0	345	1	144
23+75	74.85	36.83	0.03	23	11	0	368	1	156
24+00	68.99	36.83	0.23	67	34	0	435	1	189
24+25	69.89	36.83	0.17	64	34	0	499	1	219
24+50	69.90	36.83	0.01	65	34	0	564	1	250
24+75	70.95	36.83	0.06	65	34	0	629	1	281
25+00	71.49	36.83	0.31	66	34	0	695	1	313
25+25	77.33	36.83	0.25	69	34	0	764	1	348
25+50	87.49	36.83	0.03	76	34	0	840	1	390
25+75	82.86	36.83	0.00	79	34	0	919	1	435
26+00	74.92	36.83	0.00	73	34	0	992	1	474
26+25	79.08	36.83	0.02	71	34	0	1,063	1	511
26+50	77.97	36.83	0.07	73	34	0	1,136	1	550
26+75	82.67	36.83	0.00	74	34	0	1,210	1	590
27+00	86.12	36.83	0.00	78	34	0	1,288	1	634
27+25	83.55	36.83	0.06	79	34	0	1,367	1	679
27+50	80.83	36.83	0.00	76	34	0	1,443	1	721
27+75	77.96	36.83	0.09	74	34	0	1,517	1	761
28+00	77.58	36.83	0.16	72	34	0	1,589	1	799
28+25	76.53	36.83	0.16	71	34	0	1,660	1	836
28+50	73.10	36.83	0.20	69	34	0	1,729	1	871
28+75	73.03	36.83	0.00	68	34	0	1,797	1	905
29+00	67.37	36.83	1.09	65	34	1	1,862	3	934
29+25	64.74	36.83	0.59	61	34	1	1,923	4	960
29+50	63.35	36.83	0.43	59	34	0	1,982	4	985
29+75	58.85	36.83	0.00	57	34	0	2,039	4	1,008
30+00	64.33	36.83	0.00	57	34	0	2,096	4	1,031
30+25	75.09	36.83	0.45	65	34	0	2,161	4	1,062
30+50	72.11	36.83	0.69	68	34	1	2,229	5	1,095
30+75	72.75	36.83	0.33	67	34	0	2,296	5	1,128
30+98.228	85.52	36.83	0.01	68	32	0	2,364	5	1,164
31+00	86.25	36.83	0.00	6	2	0	2,370	5	1,168
31+25	92.65	36.83	0.01	83	34	0	2,453	5	1,217
31+36.998	86.07	36.83	0.00	40	16	0	2,493	5	1,241
31+50	89.18	36.83	0.01	42	18	0	2,535	5	1,265
31+59.962	93.05	36.83	0.00	34	14	0	2,569	5	1,285
31+69.457	89.01	36.83	0.00	32	13	0	2,601	5	1,304
31+75	86.48	36.83	0.02	18	8	0	2,619	5	1,314
32+00	75.86	36.83	0.00	75	34	0	2,694	5	1,355
32+25	74.65	36.83	0.00	70	34	0	2,764	5	1,391
32+50	70.40	36.83	0.00	67	34	0	2,831	5	1,424
32+75	87.67	36.83	0.00	73	34	0	2,904	5	1,463
32+77	92.17	36.83	0.00	7	3	0	2,911	5	1,467
32+82.572	93.16	36.83	0.00	19	8	0	2,930	5	1,478

EARTHWORK DATA - STH 35 VINE ST TO DIVISION ST

STATION	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
33+00	68.41	36.83	0.30	52	24	0	2,982	5	1,506
33+25	65.86	36.83	0.39	62	34	0	3,044	5	1,534
33+50	68.56	36.83	0.37	62	34	0	3,106	5	1,562
33+75	64.10	36.83	0.00	61	34	0	3,167	5	1,589
34+00	65.35	36.83	0.00	60	34	0	3,227	5	1,615
34+25	76.11	36.83	0.20	65	34	0	3,292	5	1,646
34+49.033	76.34	36.83	0.28	68	33	0	3,360	5	1,681
34+50	76.24	36.83	0.32	3	1	0	3,363	5	1,683
34+75	65.09	36.83	0.51	65	34	0	3,428	5	1,714
35+00	69.69	36.83	0.00	62	34	0	3,490	5	1,742
35+25	71.12	36.83	0.00	65	34	0	3,555	5	1,773
35+50	71.89	36.83	0.00	66	34	0	3,621	5	1,805
35+75	68.03	36.83	0.01	65	34	0	3,686	5	1,836
36+00	68.80	36.83	0.00	63	34	0	3,749	5	1,865
36+25	77.14	36.83	0.00	68	34	0	3,817	5	1,899
36+28.712	76.70	36.83	0.00	11	5	0	3,828	5	1,905
36+50	67.16	36.83	0.01	57	29	0	3,885	5	1,933
36+75	75.77	36.83	0.00	66	34	0	3,951	5	1,965
36+85.781	74.02	36.83	0.01	30	15	0	3,981	5	1,980
37+00	76.23	36.83	0.01	40	19	0	4,021	5	2,001
37+14.52	73.52	36.83	0.00	40	20	0	4,061	5	2,021
37+25	68.87	36.83	0.21	28	14	0	4,089	5	2,035
37+32.349	81.55	36.83	0.00	20	10	0	4,109	5	2,045
37+50	61.95	36.83	0.00	47	24	0	4,156	5	2,068
37+75	64.60	36.83	0.02	59	34	0	4,215	5	2,093
37+95.286	88.52	36.83	0.00	58	28	0	4,273	5	2,123
37+99.008	88.12	36.83	0.00	12	5	0	4,285	5	2,130
38+00	87.95	36.83	0.00	3	1	0	4,288	5	2,132
38+25	61.82	36.83	0.24	69	34	0	4,357	5	2,167
38+50	64.40	36.83	0.18	58	34	0	4,415	5	2,191
38+60.264	74.15	36.83	0.17	26	14	0	4,441	5	2,203
38+75	58.88	36.83	0.31	36	20	0	4,477	5	2,219
39+00	82.85	36.83	0.00	66	34	0	4,543	5	2,251
39+01.438	82.75	36.83	0.00	4	2	0	4,547	5	2,253
39+25	62.19	36.83	0.24	63	32	0	4,610	5	2,284
39+50	65.00	36.83	0.31	59	34	0	4,669	5	2,309
39+58.428	68.15	36.83	0.00	21	11	0	4,690	5	2,319
39+75	69.08	36.83	0.14	42	23	0	4,732	5	2,338
40+00	65.60	36.83	0.29	62	34	0	4,794	5	2,366
40+25	65.18	36.83	0.03	61	34	0	4,855	5	2,393
40+50	67.53	36.83	0.00	61	34	0	4,916	5	2,420
40+75	64.04	36.83	0.07	61	34	0	4,977	5	2,447
41+00	63.65	36.83	0.46	59	34	0	5,036	5	2,472
41+25	58.72	36.83	0.62	57	34	1	5,093	7	2,494
41+50	59.02	36.83	0.49	55	34	1	5,148	8	2,513
41+75	50.29	36.83	0.00	51	34	0	5,199	8	2,530
42+00	60.54	36.83	0.00	51	34	0	5,250	8	2,547
42+25	58.83	36.83	0.00	55	34	0	5,305	8	2,568
42+50	76.07	36.83	0.00	62	34	0	5,367	8	2,596
42+75	74.89	36.83	0.00	70	34	0	5,437	8	2,632
43+00	73.53	36.83	0.49	69	34	0	5,506	8	2,667
43+25	71.40	36.83	0.05	67	34	0	5,573	8	2,700

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PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	EARTHWORK DATA SHEET	SHEET 587	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\090201-EARTHWORK_DATA.DWG
LAYOUT NAME - VINE TO BRIDGE 1
PLOT DATE : 7/22/2020 2:38 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.
WISDOT/CADDS SHEET 49

EARTHWORK DATA - STH 35 VINE ST TO DIVISION ST

STATION	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
43+50	73.99	36.83	0.00	67	34	0	5,640	8	2,733
43+75	72.80	36.83	0.27	68	34	0	5,708	8	2,767
44+00	73.21	36.83	0.00	68	34	0	5,776	8	2,801
44+25	73.86	36.83	0.00	68	34	0	5,844	8	2,835
44+50	74.07	36.83	0.00	68	34	0	5,912	8	2,869
44+75	68.48	36.83	0.20	66	34	0	5,978	8	2,901
45+00	65.36	36.83	0.55	62	34	0	6,040	8	2,929
45+25	62.47	36.83	0.23	59	34	0	6,099	8	2,954
45+50	65.09	36.83	0.05	59	34	0	6,158	8	2,979
45+75	67.69	36.83	0.45	61	34	0	6,219	8	3,006
46+00	69.34	36.83	0.39	63	34	0	6,282	8	3,035
46+25	70.62	36.83	0.49	65	34	0	6,347	8	3,066
46+50	61.36	36.83	0.00	61	34	0	6,408	8	3,093
46+75	65.20	36.83	0.00	59	34	0	6,467	8	3,118
47+00	67.20	36.83	0.77	61	34	0	6,528	8	3,145
47+25	62.38	36.83	1.34	60	34	1	6,588	9	3,170
47+50	67.83	36.83	0.51	60	34	1	6,648	10	3,195
47+75	70.45	36.83	0.00	64	34	0	6,712	10	3,225
48+00	71.82	36.83	0.00	66	34	0	6,778	10	3,257
48+25	75.11	36.83	0.02	68	34	0	6,846	10	3,291
48+33.479	81.41	36.83	0.00	25	12	0	6,871	10	3,304
48+50	70.25	36.83	0.00	46	23	0	6,917	10	3,327
48+75	71.41	36.83	0.00	66	34	0	6,983	10	3,359
49+00	71.04	36.83	0.00	66	34	0	7,049	10	3,391
49+25	73.41	36.83	0.00	67	34	0	7,116	10	3,424
49+44.224	84.15	36.83	0.00	56	26	0	7,172	10	3,454
49+50	83.62	36.83	0.00	18	8	0	7,190	10	3,464
49+75	69.85	36.83	0.08	71	34	0	7,261	10	3,501
50+00	70.22	36.83	0.15	65	34	0	7,326	10	3,532
50+25	72.07	36.83	0.17	66	34	0	7,392	10	3,564
50+50	68.37	36.83	0.84	65	34	0	7,457	10	3,595
50+75	70.13	36.83	0.49	64	34	1	7,521	12	3,623
51+00	60.05	36.83	0.00	60	34	0	7,581	12	3,649
51+25	64.51	36.83	0.00	58	34	0	7,639	12	3,673
51+50	58.79	36.83	0.00	57	34	0	7,696	12	3,696

EARTHWORK DATA - STH 35 DIVISION ST TO LAKE MALLALIEU BRIDGE

STATION	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
51+50	71.77	36.83	0.00	0	0	0	0	0	0
51+75	72.58	36.83	0.00	67	34	0	67	0	33
52+00	70.43	36.83	0.00	66	34	0	133	0	65
52+25	72.71	36.83	0.00	66	34	0	199	0	97
52+50	69.77	36.83	0.00	66	34	0	265	0	129
52+75	72.24	36.83	0.00	66	34	0	331	0	161
53+00	70.92	36.83	0.00	66	34	0	397	0	193
53+25	70.83	36.83	0.00	66	34	0	463	0	225
53+50	71.01	36.83	0.00	66	34	0	529	0	257
53+75	65.39	36.83	0.00	63	34	0	592	0	286
54+00	64.78	36.83	0.00	60	34	0	652	0	312
54+25	62.27	36.83	0.00	59	34	0	711	0	337
54+50	64.42	36.83	0.00	59	34	0	770	0	362
54+75	65.15	36.83	0.00	60	34	0	830	0	388
55+00	63.66	36.83	0.00	60	34	0	890	0	414
55+25	67.04	36.83	0.00	61	34	0	951	0	441
55+50	74.35	36.83	0.00	65	34	0	1,016	0	472
55+75	75.94	36.83	0.00	70	34	0	1,086	0	508
56+00	85.43	36.83	0.00	75	34	0	1,161	0	549
56+25	90.63	36.83	0.00	82	34	0	1,243	0	597
56+50	92.08	36.83	0.00	85	34	0	1,328	0	648
56+75	4.12	36.83	0.00	45	34	0	1,373	0	659
57+00	3.76	36.83	0.00	4	34	0	1,377	0	629
57+25	75.80	36.83	0.00	37	34	0	1,414	0	632
57+50	73.21	36.83	0.00	69	34	0	1,483	0	667
57+75	70.78	36.83	0.00	67	34	0	1,550	0	700
58+00	68.42	36.83	0.00	64	34	0	1,614	0	730
58+25	70.74	41.43	0.00	64	36	0	1,678	0	758
58+50	69.72	41.43	0.00	65	38	0	1,743	0	785
58+75	69.64	41.43	0.00	65	38	0	1,808	0	812
59+00	68.94	41.43	0.00	64	38	0	1,872	0	838
59+25	70.01	41.43	0.00	64	38	0	1,936	0	864
59+50	73.98	41.43	0.00	67	38	0	2,003	0	893
59+75	75.38	41.43	0.00	69	38	0	2,072	0	924
60+00	78.33	41.43	0.00	71	38	0	2,143	0	957
60+25	78.73	41.43	0.00	73	38	0	2,216	0	992
60+50	84.97	41.43	0.00	76	38	0	2,292	0	1,030
60+51.862	85.17	41.43	0.00	6	3	0	2,298	0	1,033
60+75	81.76	41.43	0.00	72	36	0	2,370	0	1,069
61+00	76.66	41.43	0.00	73	38	0	2,443	0	1,104
61+25	76.41	41.43	0.00	71	38	0	2,514	0	1,137
61+50	79.04	41.43	0.00	72	38	0	2,586	0	1,171
61+75	78.55	41.43	0.00	73	38	0	2,659	0	1,206
62+00	76.16	41.43	0.00	72	38	0	2,731	0	1,240
62+25	82.18	41.43	0.00	73	38	0	2,804	0	1,275
62+38.003	84.65	41.43	0.00	40	20	0	2,844	0	1,295
62+50	87.44	41.43	0.00	38	18	0	2,882	0	1,315
62+75	94.72	41.43	0.00	84	38	0	2,966	0	1,361
63+00	88.34	41.43	0.00	85	38	0	3,051	0	1,408
63+25	84.32	41.43	0.00	80	38	0	3,131	0	1,450
63+50	81.13	41.43	0.00	77	38	0	3,208	0	1,489
63+75	72.41	41.43	0.00	71	38	0	3,279	0	1,522
64+00	50.81	41.43	0.00	57	38	0	3,336	0	1,541
64+24.143	57.49	41.43	0.00	48	37	0	3,384	0	1,552
64+25	57.89	41.43	0.00	2	1	0	3,386	0	1,553
64+29.50	0.00	41.43	0.00	5	7	0	3,391	0	1,551

EARTHWORK DATA - STH 35 LAKE MALLALIEU BRIDGE TO MONROE ST

STATION	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
68+06.80	54.21	42.00	0.07	0	0	0	0	0	0
68+25	51.40	42.00	0.00	36	28	0	36	0	8
68+50	61.99	42.00	0.00	52	39	0	88	0	21
68+75	70.23	42.00	0.00	61	39	0	149	0	43
69+00	72.81	42.00	0.00	66	39	0	215	0	70
69+25	65.98	42.00	0.00	64	39	0	279	0	95
69+50	64.98	42.00	0.00	61	39	0	340	0	117
69+75	70.96	42.00	0.00	63	39	0	403	0	141
70+00	68.39	42.00	0.00	65	39	0	468	0	167
70+25	80.51	42.00	0.06	69	39	0	537	0	197
70+50	72.05	42.00	0.08	71	39	0	608	0	229
70+75	69.37	42.00	0.12	65	39	0	673	0	255
71+00	80.06	42.00	0.00	69	39	0	742	0	285
71+02.184	80.61	42.00	0.00	6	3	0	748	0	288
71+25	67.33	42.00	0.00	63	35	0	811	0	316
71+50	63.75	42.00	0.00	61	39	0	872	0	338
71+75	65.92	42.00	0.00	60	39	0	932	0	359
72+00	62.25	42.00	0.09	59	39	0	991	0	379
72+25	57.58	42.00	0.00	55	39	0	1,046	0	395
72+50	57.96	42.00	0.05	53	39	0	1,099	0	409
72+75	58.65	42.00	0.03	54	39	0	1,153	0	424
73+00	46.47	42.00	0.00	49	39	0	1,202	0	434
73+25	48.55	42.00	0.00	44	39	0	1,246	0	439
73+50	49.09	42.00	0.00	45	39	0	1,291	0	445
73+75	34.24	42.00	0.00	39	39	0	1,330	0	445
74+00	32.32	42.00	0.00	31	39	0	1,361	0	437
74+25	38.84	42.00	0.01	33	39	0	1,394	0	431
74+50	42.64	42.00	0.46	38	39	0	1,432	0	430
74+70.796	45.22	42.00	0.63	34	32	0	1,466	0	432
74+75	45.37	42.00	0.56	7	7	0	1,473	0	432
74+95.757	53.60	42.00	1.11	38	32	1	1,511	1	437
75+00	55.14	36.00	0.45	9	6	0	1,520	1	440
75+20.066	54.88	36.00	0.00	41	27	0	1,561	1	454
75+25	56.76	36.00	0.00	10	7	0	1,571	1	457
75+50	44.71	36.00	0.30	47	33	0	1,618	1	471
75+75	44.81	36.00	0.40	41	33	0	1,659	1	479
75+92.388	59.27	36.00	0.14	34	23	0	1,693	1	490
76+00	56.95	36.00	0.06	16	10	0	1,709	1	496
76+19.157	60.59	36.00	0.00	42	26	0	1,751	1	512
76+25	60.51	36.00	0.00	13	8	0	1,764	1	517
76+42.936	58.38	36.00	0.00	39	24	0	1,803	1	532
76+50	49.05	36.00	0.19	14	9	0	1,817	1	537
76+75	55.22	36.00	0.44	48	33	0	1,865	1	552
76+78.969	55.19	36.00	0.45	8	5	0	1,873	1	555
77+00	55.96	36.00	0.14	43	28	0	1,916	1	570
77+06.09	54.96	36.00	0.08	13	8	0	1,929	1	575
77+25	49.68	36.00	0.27	37	25	0	1,966	1	587
77+44.837	55.55	36.00	0.01	39	26	0	2,005	1	600
77+50	55.01	36.00	0.00	11	7	0	2,016	1	604
77+75	54.14	36.00	0.13	51	33	0	2,067	1	622
77+87.012	59.62	36.00	0.26	25	16	0	2,092	1	631
78+00	64.68	36.00	0.22	30	17	0	2,122	1	644
78+12.463	71.26	36.00	0.06	31	17	0	2,153	1	658
78+25	60.07	36.00	0.04	30	17	0	2,183	1	671
78+50	54.95	36.00	0.02	53	33	0	2,236	1	691
78+75	55.93	36.00	0.00	51	33	0	2,287	1	709

EARTHWORK DATA - STH 35 LAKE MALLALIEU BRIDGE TO MONROE ST

STATION	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
78+99.034	78.11	36.00	0.00	60	32	0	2,347	1	737
79+00	78.45	36.00	0.00	3	1	0	2,350	1	739
79+15.093	88.03	36.00	0.00	47	20	0	2,397	1	766
79+25	0.00	36.00	0.00	16	13	0	2,413	1	769
79+50	58.59	36.00	0.08	27	33	0	2,440	1	763
79+75	45.28	36.00	0.00	48	33	0	2,488	1	778
80+00	52.09	36.00	0.00	45	33	0	2,533	1	790
80+25	51.49	36.00	0.00	48	33	0	2,581	1	805
80+50	61.98	36.00	0.01	53	33	0	2,634	1	825
80+75	59.96	36.00	0.18	56	33	0	2,690	1	848
81+00	64.84	36.00	0.00	58	33	0	2,748	1	873
81+25	70.13	36.00	0.00	62	33	0	2,810	1	902
81+50	77.18	36.00	0.00	68	33	0	2,878	1	937
81+71.285	93.93	36.00	0.00	67	28	0	2,945	1	976
81+75	92.27	36.00	0.00	13	5	0	2,958	1	984
82+00	73.92	36.00	0.20	77	33	0	3,035	1	1,028
82+16.645	81.63	36.00	0.10	48	22	0	3,083	1	1,054
82+25	99.32	36.00	0.00	28	11	0	3,111	1	1,071
82+29.804	89.73	36.00	0.00	17	6	0	3,128	1	1,082
82+50	86.12	36.00	0.01	66	27	0	3,194	1	1,121
82+75	85.11	36.00	0.00	79	33	0	3,273	1	1,167
83+00	96.20	36.00	0.00	84	33	0	3,357	1	1,218
83+05.887	94.61	36.00	0.02	21	8	0	3,378	1	1,231
83+25	92.32	36.00	0.13	66	25	0	3,444	1	1,272
83+50	80.92	36.00	0.01	80	33	0	3,524	1	1,319
83+75	54.72	36.00	0.00	63	33	0	3,587	1	1,349
84+00	51.25	36.00	0.00	49	33	0	3,636	1	1,365
84+25	44.37	36.00	0.00	44	33	0	3,680	1	1,376
84+50	40.31	36.00	0.00	39	33	0	3,719	1	1,382
84+75	44.05	36.00	0.00	39	33	0	3,758	1	1,388
84+80	46.22	36.00	0.00	8	7	0	3,766	1	1,389

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PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	EARTHWORK DATA SHEET	SHEET 589	E

EARTHWORK DATA - MONROE ST TO SOMMERS ST

STATION	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
84+80	69.97	36.00	0.00	0	0	0	0	0	0
85+00	69.41	36.00	0.00	52	27	0	52	0	25
85+25	70.62	36.00	0.00	65	33	0	117	0	57
85+42.635	81.08	36.00	0.00	50	24	0	167	0	83
85+50	83.15	36.00	0.00	22	10	0	189	0	95
85+75	70.31	36.00	0.00	71	33	0	260	0	133
85+83.225	74.91	36.00	0.00	22	11	0	282	0	144
86+00	63.96	36.00	0.00	43	22	0	325	0	165
86+14.14	71.05	36.00	0.00	35	19	0	360	0	181
86+25	58.09	36.00	0.00	26	14	0	386	0	193
86+50	64.11	36.00	0.00	57	33	0	443	0	217
86+66.866	68.43	36.00	0.00	41	22	0	484	0	236
86+75	59.16	36.00	0.00	19	11	0	503	0	244
86+82.557	70.21	36.00	0.00	18	10	0	521	0	252
87+00	54.64	36.00	0.00	40	23	0	561	0	269
87+25	54.58	36.00	0.00	51	33	0	612	0	287
87+42.092	60.33	36.00	0.00	36	23	0	648	0	300
87+50	56.74	36.00	0.00	17	11	0	665	0	306
87+75	54.66	36.00	0.00	52	33	0	717	0	325
88+00	56.74	36.00	0.01	52	33	0	769	0	344
88+25	56.66	36.00	0.00	52	33	0	821	0	363
88+39.901	69.89	36.00	0.00	35	20	0	856	0	378
88+50	64.21	36.00	0.00	25	13	0	881	0	390
88+75	74.72	36.00	0.00	64	33	0	945	0	421
88+78.416	75.22	36.00	0.00	9	5	0	954	0	425
88+95.451	75.57	36.00	0.34	48	23	0	1,002	0	450
89+00	73.51	36.00	0.34	13	6	0	1,015	0	457
89+25	63.07	36.00	0.01	63	33	0	1,078	0	487
89+50	80.46	36.00	0.00	66	33	0	1,144	0	520
89+54.882	81.84	36.00	0.00	15	7	0	1,159	0	528
89+73.69	89.19	36.00	0.00	60	25	0	1,219	0	563
89+75	88.83	36.00	0.00	4	2	0	1,223	0	565
90+00	62.50	36.00	0.00	70	33	0	1,293	0	602
90+25	66.02	36.00	0.00	60	33	0	1,353	0	629
90+41.428	74.76	36.00	0.00	43	22	0	1,396	0	650
90+50	63.56	36.00	0.00	22	11	0	1,418	0	661
90+75	51.86	36.00	0.24	53	33	0	1,471	0	681
90+93.994	65.85	36.00	0.64	41	25	0	1,512	0	697
91+00	75.93	36.00	0.31	16	8	0	1,528	0	705
91+12.402	75.61	36.00	0.00	35	17	0	1,563	0	723
91+25	62.98	36.00	0.00	32	17	0	1,595	0	738
91+50	60.12	36.00	0.05	57	33	0	1,652	0	762
91+75	58.94	36.00	0.12	55	33	0	1,707	0	784
92+00	57.73	36.00	0.00	54	33	0	1,761	0	805
92+25	60.96	36.00	0.00	55	33	0	1,816	0	827
92+37.482	78.03	36.00	0.00	32	17	0	1,848	0	842
92+50	74.43	36.00	0.00	35	17	0	1,883	0	860
92+54.933	74.70	36.00	0.00	14	7	0	1,897	0	867
92+75	58.01	36.00	0.05	49	27	0	1,946	0	889
93+00	55.59	36.00	0.00	53	33	0	1,999	0	909
93+25	64.97	36.00	0.00	56	33	0	2,055	0	932
93+33.169	66.18	36.00	0.00	20	11	0	2,075	0	941
93+50	65.14	36.00	0.00	41	22	0	2,116	0	960
93+75	69.21	36.00	0.42	62	33	0	2,178	0	989
93+87.333	77.52	36.00	0.00	34	16	0	2,212	0	1,007
94+00	77.60	36.00	0.03	36	17	0	2,248	0	1,026
94+25	64.14	36.00	0.00	66	33	0	2,314	0	1,059

EARTHWORK DATA - MONROE ST TO SOMMERS ST

STATION	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
94+50	73.80	36.00	0.00	64	33	0	2,378	0	1,090
94+75	75.22	36.00	0.00	69	33	0	2,447	0	1,126
95+00	76.17	36.00	0.00	70	33	0	2,517	0	1,163
95+25	62.88	36.00	0.00	64	33	0	2,581	0	1,194
95+50	72.83	36.00	0.00	63	33	0	2,644	0	1,224
95+63.6	90.96	36.00	0.00	41	18	0	2,685	0	1,247
95+75	64.00	36.00	0.00	33	15	0	2,718	0	1,265
96+00	60.94	36.00	0.00	58	33	0	2,776	0	1,290
96+25	61.02	36.00	0.00	56	33	0	2,832	0	1,313
96+50	52.64	36.00	0.00	53	33	0	2,885	0	1,333
96+75	64.37	36.00	0.00	54	33	0	2,939	0	1,354
96+89.19	62.88	36.00	0.00	33	19	0	2,972	0	1,368
97+00	65.66	36.00	0.00	26	14	0	2,998	0	1,380
97+25	49.99	36.00	0.00	54	33	0	3,052	0	1,401
97+50	67.71	36.00	0.00	54	33	0	3,106	0	1,422
97+75	56.94	36.00	0.00	58	33	0	3,164	0	1,447
97+95.907	68.26	36.00	0.00	48	28	0	3,212	0	1,467
98+00	66.26	36.00	0.00	10	5	0	3,222	0	1,472
98+25	58.53	36.00	0.05	58	33	0	3,280	0	1,497
98+36.74	62.23	36.00	0.00	26	16	0	3,306	0	1,507
98+50	58.24	36.00	0.02	30	18	0	3,336	0	1,519
98+75	61.03	36.00	0.00	55	33	0	3,391	0	1,541
99+00	75.28	36.00	0.00	63	33	0	3,454	0	1,571
99+25	58.61	36.00	0.00	62	33	0	3,516	0	1,600
99+50	56.76	36.00	0.00	53	33	0	3,569	0	1,620
99+75	63.59	36.00	0.00	56	33	0	3,625	0	1,643
99+80.51	62.19	36.00	0.00	13	7	0	3,638	0	1,649
100+00	53.83	36.00	0.00	42	26	0	3,680	0	1,665
100+25	66.17	36.00	0.00	56	33	0	3,736	0	1,688
100+38.056	86.77	36.00	0.00	37	17	0	3,773	0	1,708
100+50	59.28	36.00	0.00	32	16	0	3,805	0	1,724
100+75	59.53	36.00	0.00	55	33	0	3,860	0	1,746
101+00	60.27	36.00	0.00	55	33	0	3,915	0	1,768
101+16.076	69.72	36.00	0.00	39	21	0	3,954	0	1,786
101+25	52.61	36.00	0.00	20	12	0	3,974	0	1,794
101+41.344	59.42	36.00	0.00	34	22	0	4,008	0	1,806
101+50	55.46	36.00	0.00	18	12	0	4,026	0	1,812
101+75	51.19	36.00	0.00	49	33	0	4,075	0	1,828
102+00	54.61	36.00	0.00	49	33	0	4,124	0	1,844
102+11.785	77.34	36.00	0.00	29	16	0	4,153	0	1,857
102+20.041	67.60	36.00	0.00	22	11	0	4,175	0	1,868
102+25	56.44	36.00	0.00	11	7	0	4,186	0	1,872
102+43.368	56.57	36.00	0.00	38	24	0	4,224	0	1,886
102+50	47.86	36.00	0.00	13	9	0	4,237	0	1,890
102+75	57.74	36.00	0.00	49	33	0	4,286	0	1,906
103+00	63.77	36.00	0.00	56	33	0	4,342	0	1,929
103+05.687	63.91	36.00	0.00	13	8	0	4,355	0	1,934
103+25	56.38	36.00	0.00	43	26	0	4,398	0	1,951
103+50	61.42	36.00	0.00	55	33	0	4,453	0	1,973
103+69.914	72.97	36.00	0.00	50	27	0	4,503	0	1,996
103+75	72.48	36.00	0.00	14	7	0	4,517	0	2,003
104+00	63.75	36.00	0.00	63	33	0	4,580	0	2,033
104+08.354	74.60	36.00	0.00	21	11	0	4,601	0	2,043
104+25	62.26	36.00	0.04	42	22	0	4,643	0	2,063
104+45.996	70.25	36.00	0.00	52	28	0	4,695	0	2,087

EARTHWORK DATA - MONROE ST TO SOMMERS ST

STATION	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
104+50	69.40	36.00	0.00	10	5	0	4,705	0	2,092
104+75	59.05	36.00	0.00	59	33	0	4,764	0	2,118
105+00	56.39	36.00	0.00	53	33	0	4,817	0	2,138
105+15.254	71.24	36.00	0.00	36	20	0	4,853	0	2,154
105+25	56.81	36.00	0.00	23	13	0	4,876	0	2,164
105+50	58.54	36.00	0.00	53	33	0	4,929	0	2,184
105+75	61.67	36.00	0.00	56	33	0	4,985	0	2,207
106+00	57.27	36.00	0.08	55	33	0	5,040	0	2,229
106+25	57.39	36.00	0.00	53	33	0	5,093	0	2,249
106+36.826	83.69	36.00	0.00	31	16	0	5,124	0	2,264
106+46.001	64.19	36.00	0.00	25	12	0	5,149	0	2,277
106+50	60.76	36.00	0.00	9	5	0	5,158	0	2,281
106+75	61.15	36.00	0.00	56	33	0	5,214	0	2,304
107+00	50.92	36.00	0.00	52	33	0	5,266	0	2,323
107+25	50.12	36.00	0.00	47	33	0	5,313	0	2,337
107+50	48.85	36.00	0.03	46	33	0	5,359	0	2,350
107+67	50.40	36.00	0.00	31	23	0	5,390	0	2,358
107+80	51.79	36.00	0.00	25	17	0	5,415	1	2,366
108+00	56.64	36.00	1.15	40	27	0	5,455	1	2,379
108+25	66.62	36.00	0.06	57	33	1	5,512	3	2,402
108+50	80.45	36.00	0.00	68	33	0	5,580	1	2,437
108+60.855	93.46	36.00	0.00	35	14	0	5,615	1	2,458
108+75	84.40	36.00	0.00	47	19	0	5,662	1	2,486
108+87.053	88.57	36.00	0.00	39	16	0	5,701	1	2,509
109+00	80.57	36.00	0.00	41	17	0	5,742	1	2,533
109+25	81.10	36.00	0.82	75	33	0	5,817	1	2,575
109+50	76.88	36.00	1.31	73	33	1	5,890	3	2,613
109+75	70.97	36.00	2.09	68	33	2	5,958	7	2,646
110+00	66.45	36.00	2.59	64	33	2	6,022	14	2,674
110+25	65.56	36.00	1.76	61	33	2	6,083	30	2,700
110+50	53.98	36.00	0.00	55	33	1	6,138	31	2,720
110+75	60.33	36.00	0.00	53	33	0	6,191	1	2,740
111+00	58.31	36.00	0.00	55	33	0	6,246	1	2,762
111+25	49.43	36.00	0.00	50	33	0	6,296	1	2,779
111+50	30.11	36.00	0.00	37	33	0	6,333	1	2,783
111+75	45.55	36.00	0.00	35	33	0	6,368	1	2,785
112+00	41.61	2.50	0.00	40	18	0	6,408	1	2,807

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PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	EARTHWORK DATA SHEET	SHEET 591	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\SHEETSPLAN\090201-EARTHWORK_DATA.DWG
LAYOUT NAME - MONROE TO SOMMERS 2

PLOT DATE : 7/23/2020 10:51 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.

WISDOT/CADDS SHEET 49

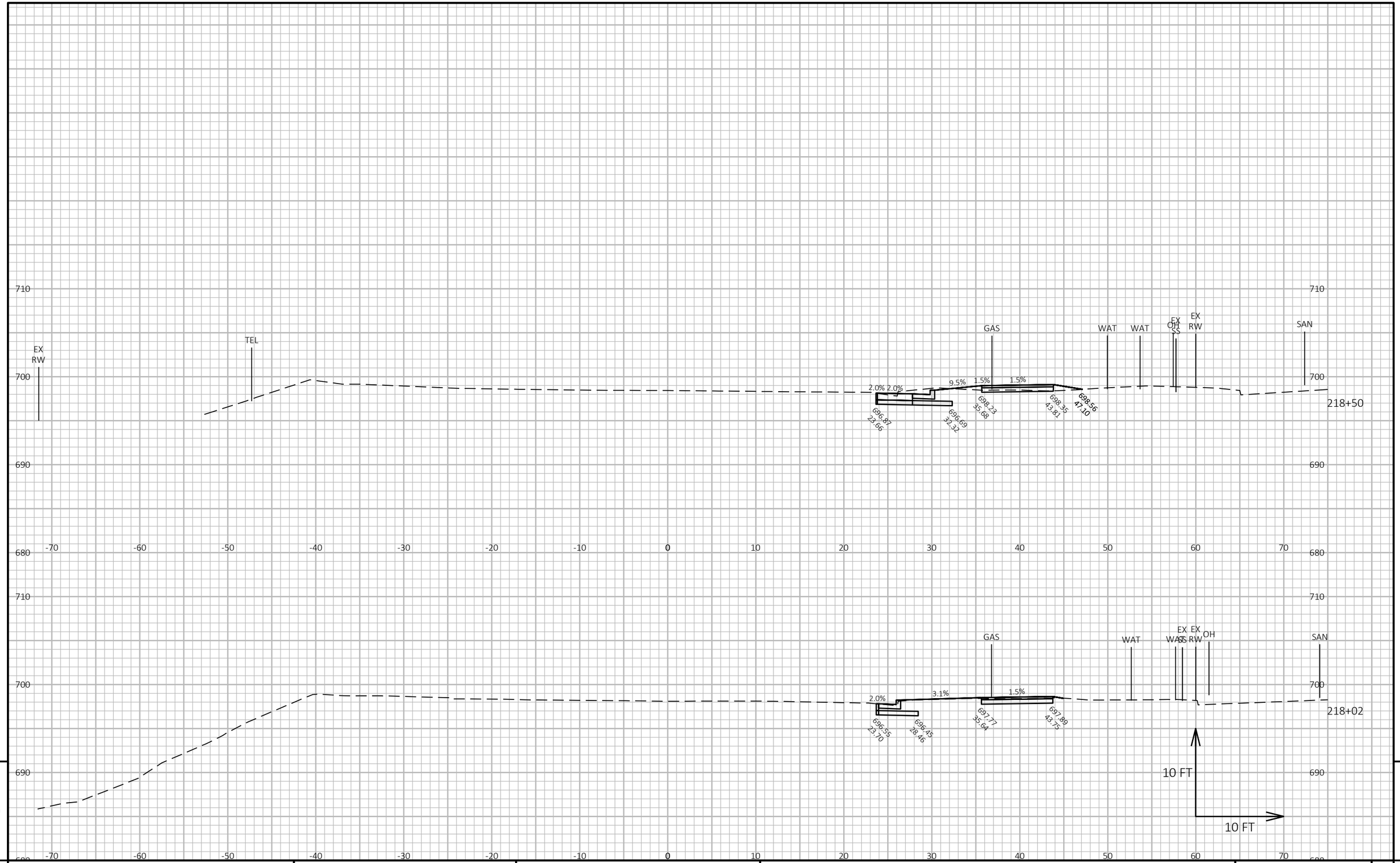
EARTHWORK DATA - SOMMERS ST TO NORTH END RD

STATION	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
112+00	45.61	2.50	0.00	0	0	0	0	0	0
112+25	44.02	2.50	14.25	41	2	7	41	9	30
112+50	36.64	2.50	18.72	37	2	15	78	29	45
112+75	32.06	2.50	23.29	32	2	19	110	53	51
113+00	34.48	2.50	26.62	31	2	23	141	83	50
113+25	37.06	2.50	27.84	33	2	25	174	116	48
113+50	46.60	2.50	19.42	39	2	22	213	144	57
113+75	40.13	2.50	0.78	40	2	9	253	156	83
114+00	56.37	2.50	11.40	45	2	6	298	164	118
114+25	40.43	2.50	19.36	45	2	14	343	182	143
114+50	35.09	2.50	22.83	35	2	20	378	208	150
114+75	36.21	2.50	17.53	33	2	19	411	233	156
115+00	25.72	2.50	21.05	29	2	18	440	256	160
115+25	28.31	2.50	22.55	25	2	20	465	282	157
115+50	30.97	2.50	18.66	27	2	19	492	307	157
115+75	33.94	2.50	18.51	30	2	17	522	329	163
116+00	63.74	2.50	6.83	45	2	12	567	345	191
116+25	65.03	2.50	0.00	60	2	3	627	348	245
116+50	80.38	2.50	6.62	67	2	3	694	352	306
116+75	64.98	2.50	10.12	67	2	8	761	363	360
117+00	56.93	2.50	13.29	56	2	11	817	377	400
117+25	54.00	2.50	13.02	51	2	12	868	393	433
117+50	49.70	2.50	12.25	48	2	12	916	408	464
117+75	53.69	2.50	11.46	48	2	11	964	423	496
118+00	60.92	2.50	0.00	53	2	5	1,017	429	540
118+25	60.49	2.50	3.40	56	2	2	1,073	432	591
118+37.5	39.82	2.50	10.47	23	1	3	1,096	436	610

9

9

PROJECT NO: 8080-02-73	HWY: STH 35	COUNTY: ST CROIX	EARTHWORK DATA SHEET	SHEET 592	E



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9

PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 593	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090201_xs

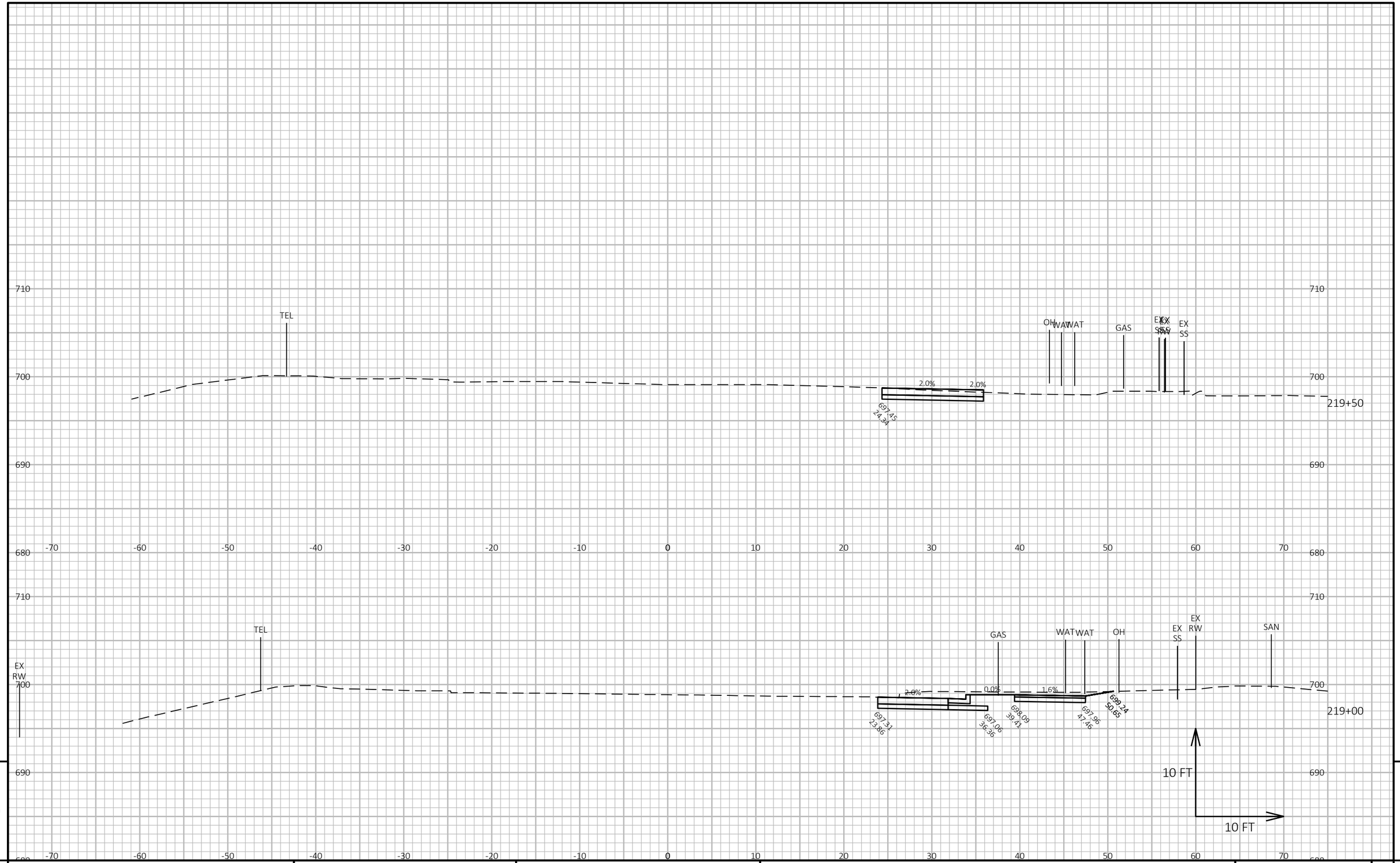
PLOT DATE : 7/30/2020 9:58 AM

PLOT BY : BEN NESJA

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 594	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090202_xs

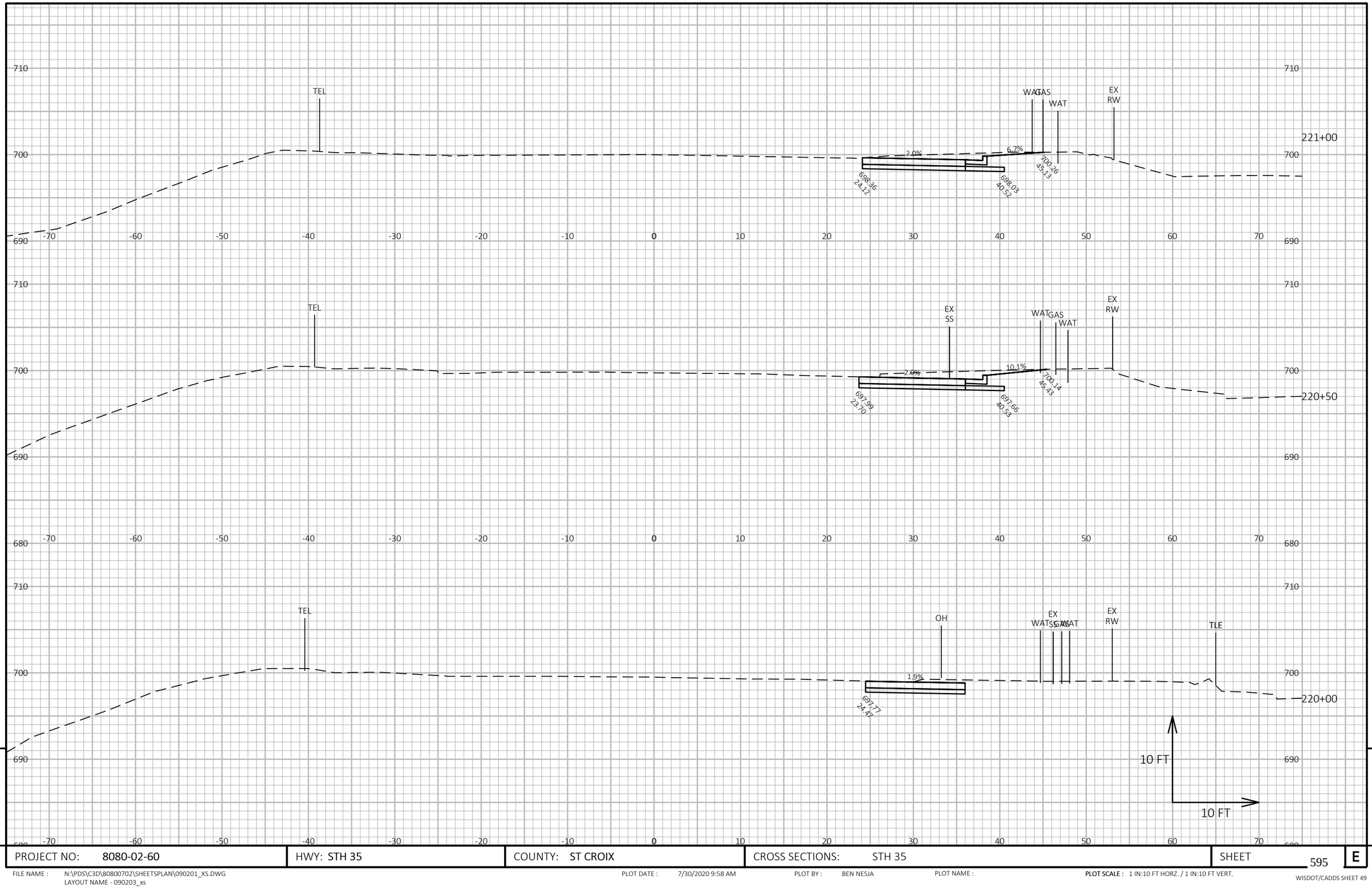
PLOT DATE : 7/30/2020 9:58 AM

PLOT BY : BEN NESJA

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

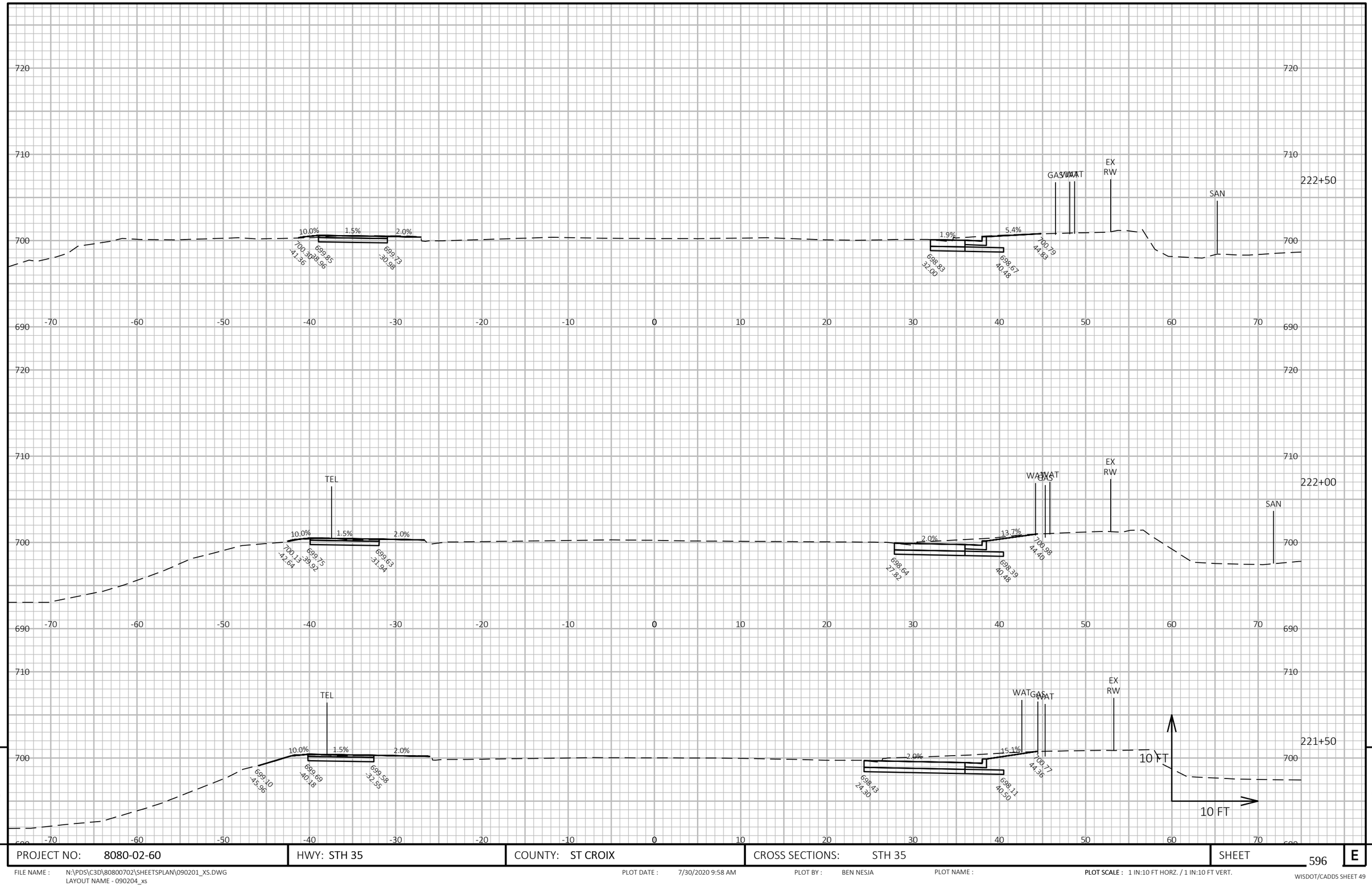


PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 595	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090203_xs

PLOT DATE : 7/30/2020 9:58 AM PLOT BY : BEN NESJA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 596	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090204_xs

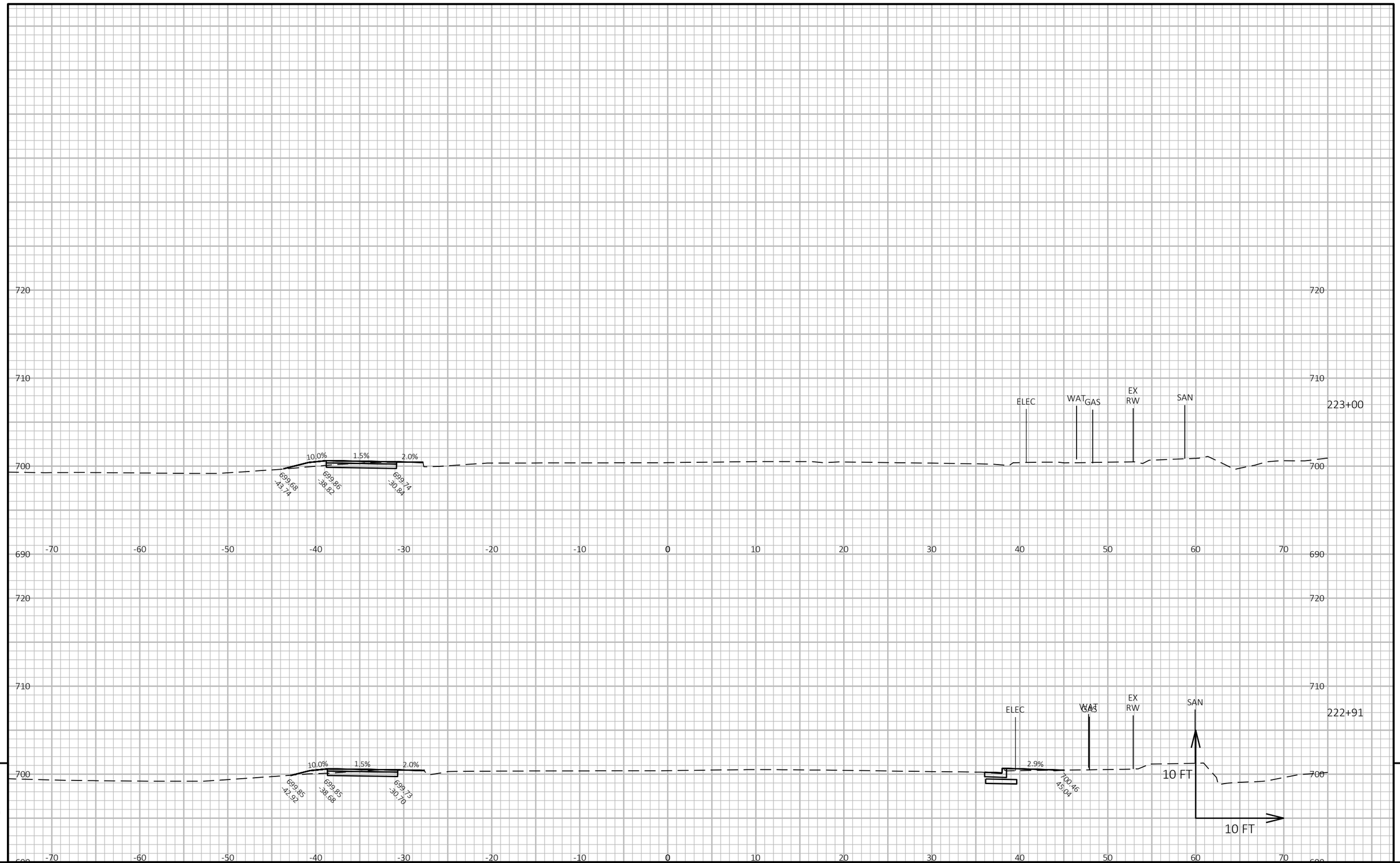
PLOT DATE : 7/30/2020 9:58 AM

PLOT BY : BEN NESJA

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 597	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090205_xs

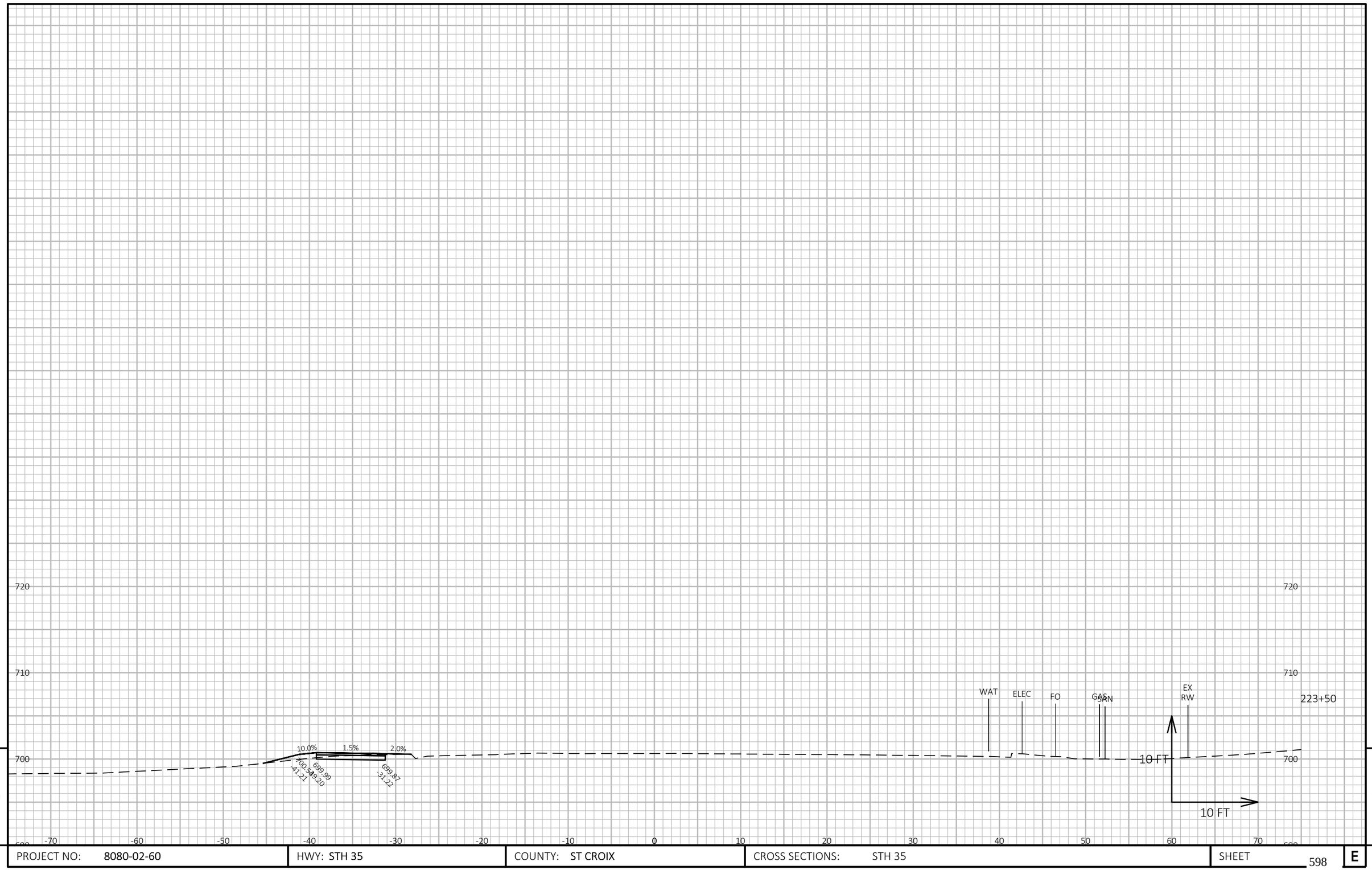
PLOT DATE : 7/30/2020 9:58 AM

PLOT BY : BEN NESJA

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8080-02-60	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 598	E

FILE NAME : N:\PDS\C3D\80800702\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 090206_xs

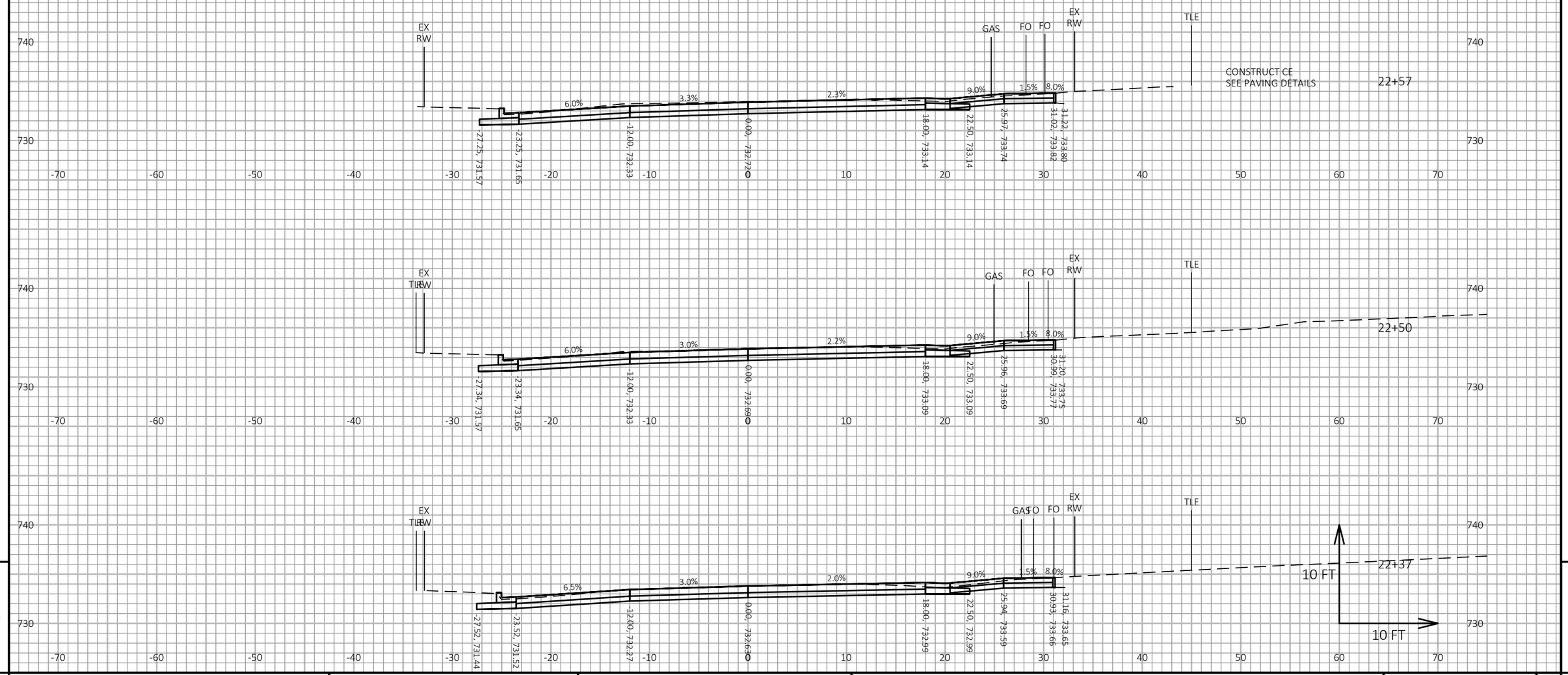
PLOT DATE : 7/30/2020 9:58 AM

PLOT BY : BEN NESJA

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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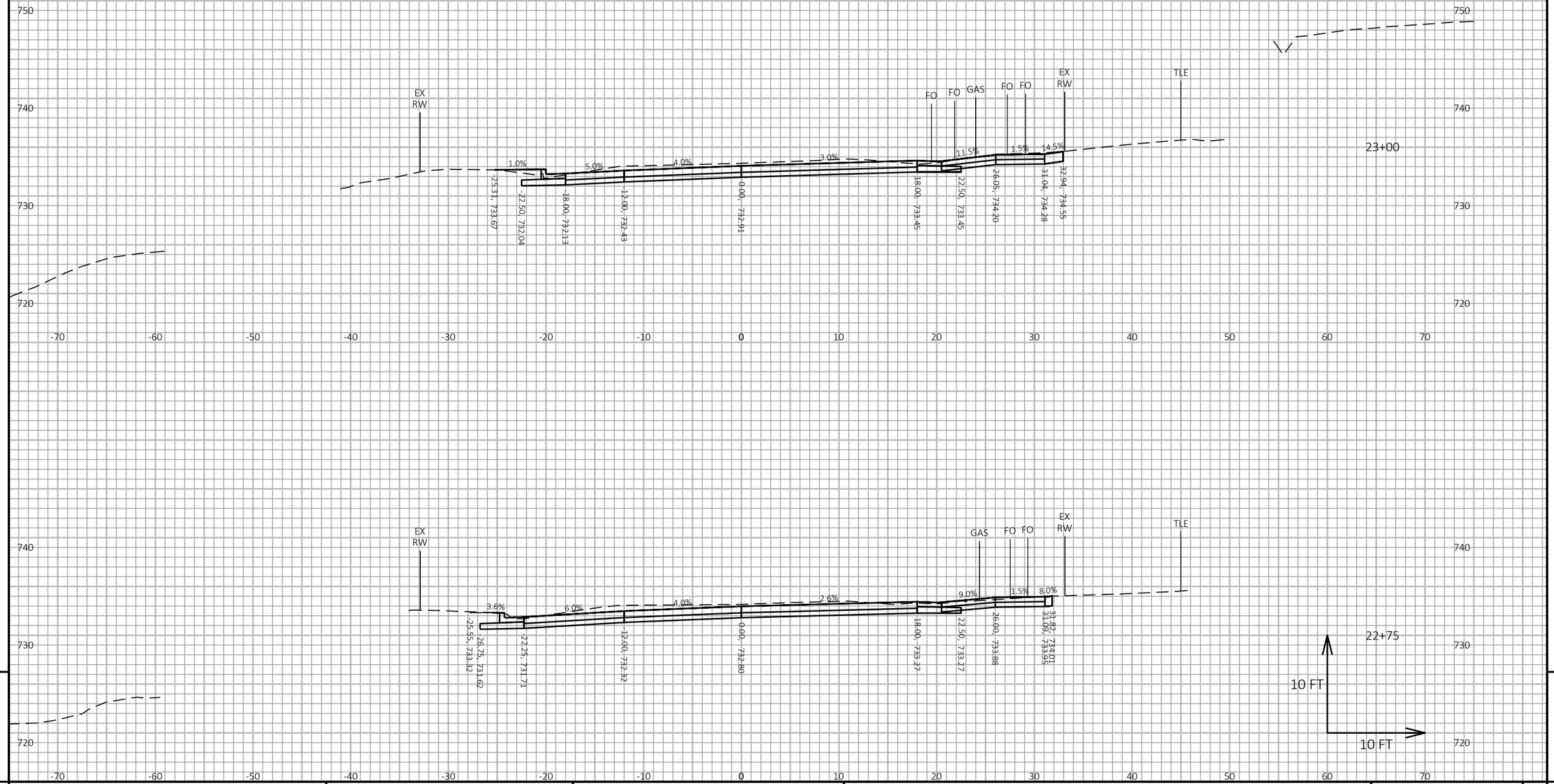
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 599	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 1

PLOT DATE : 7/23/2020 11:45 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

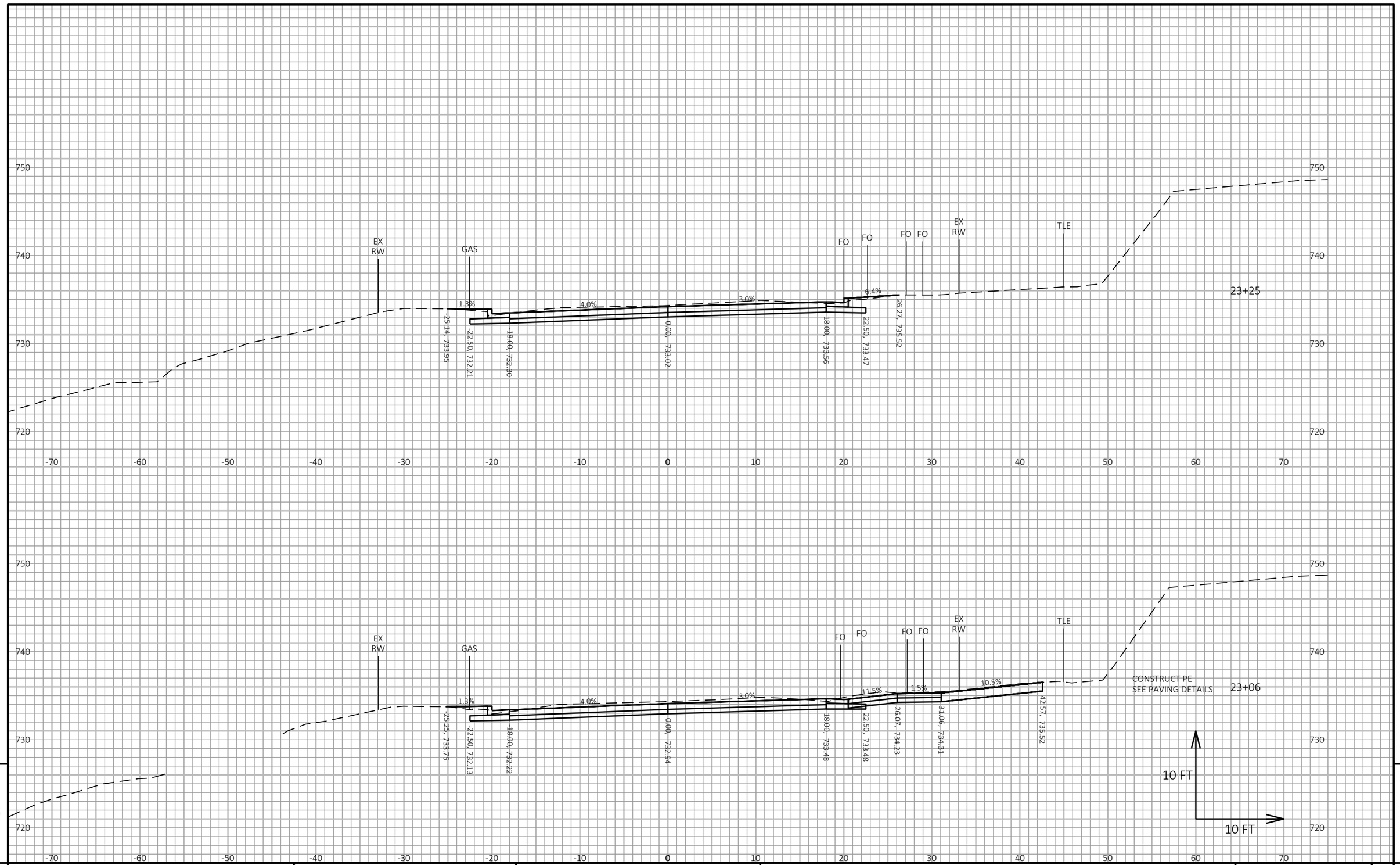


PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 600	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 2

PLOT DATE : 7/23/2020 11:45 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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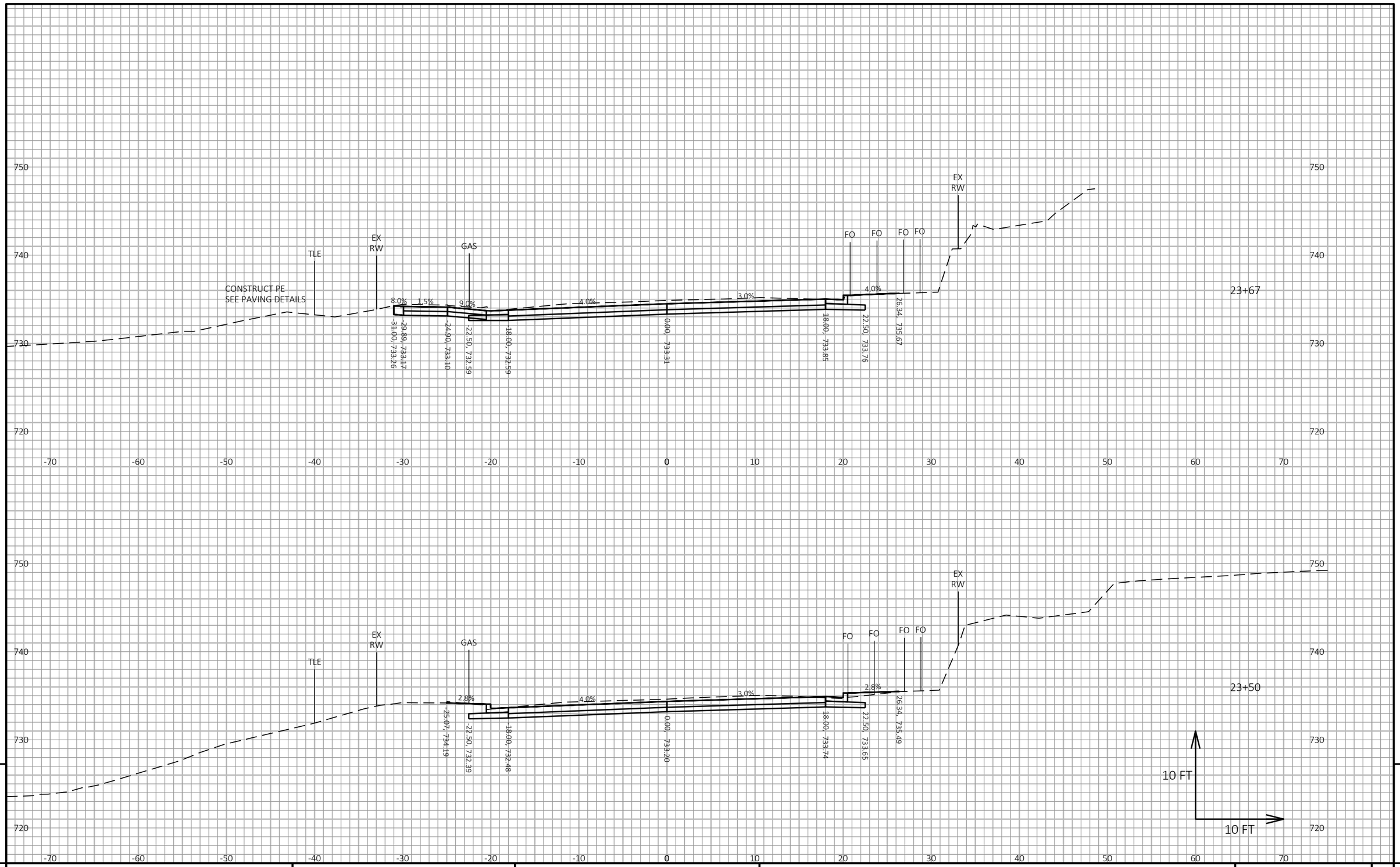
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 601	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 3

PLOT DATE : 7/23/2020 11:45 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 602	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 4

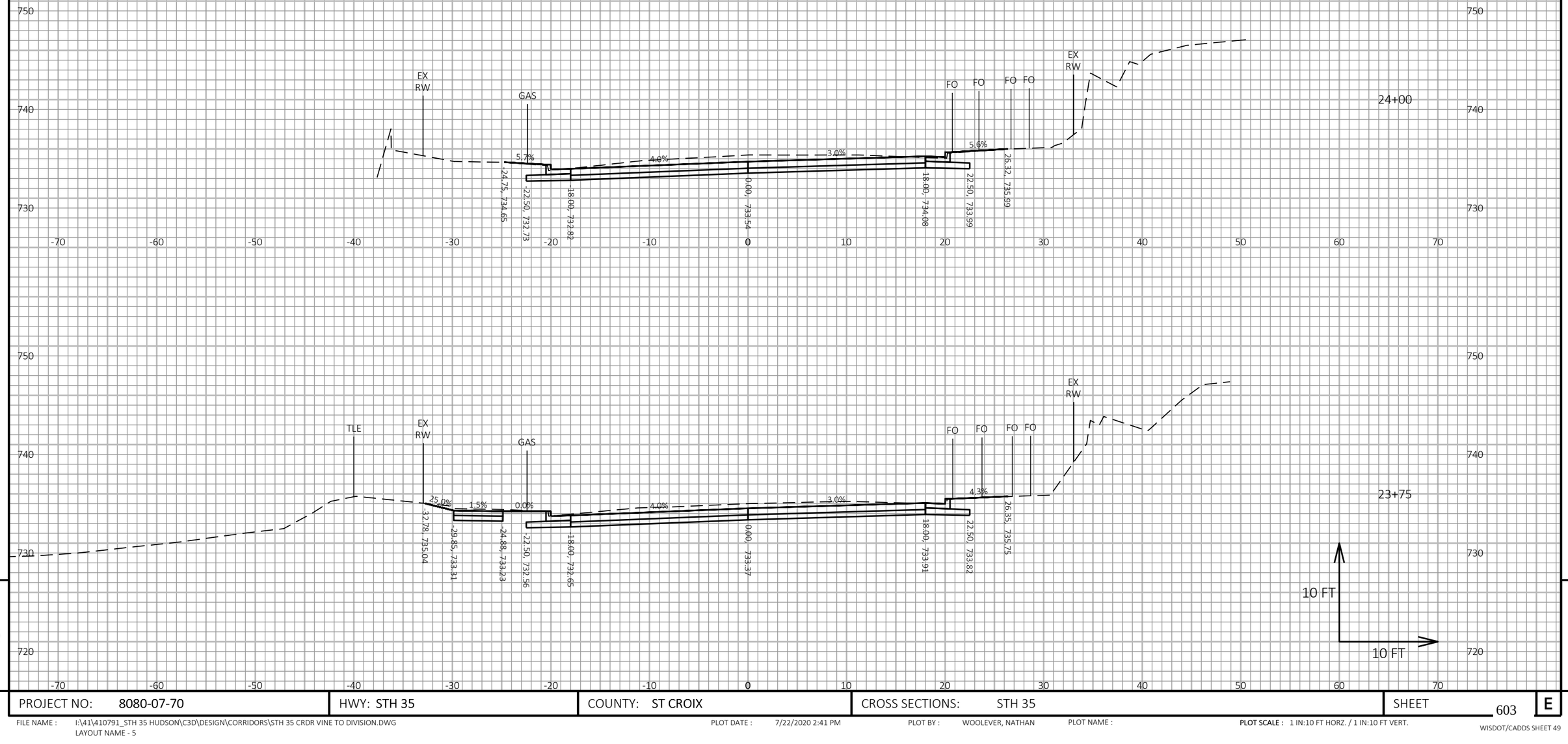
PLOT DATE : 7/22/2020 2:40 PM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 603	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 5

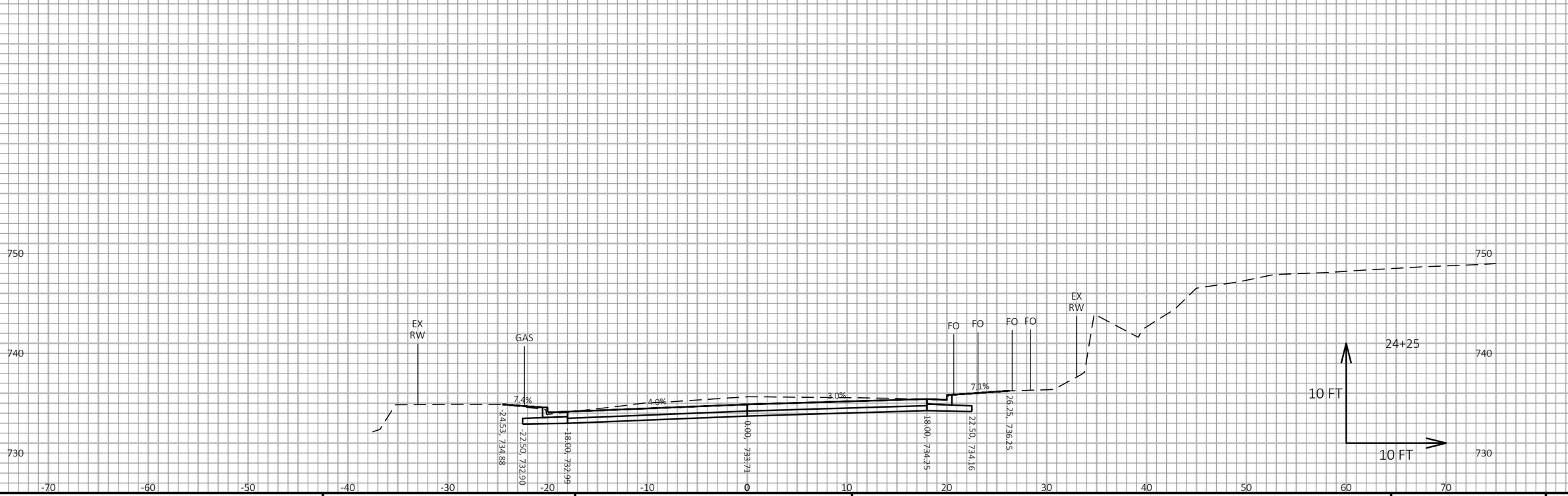
PLOT DATE : 7/22/2020 2:41 PM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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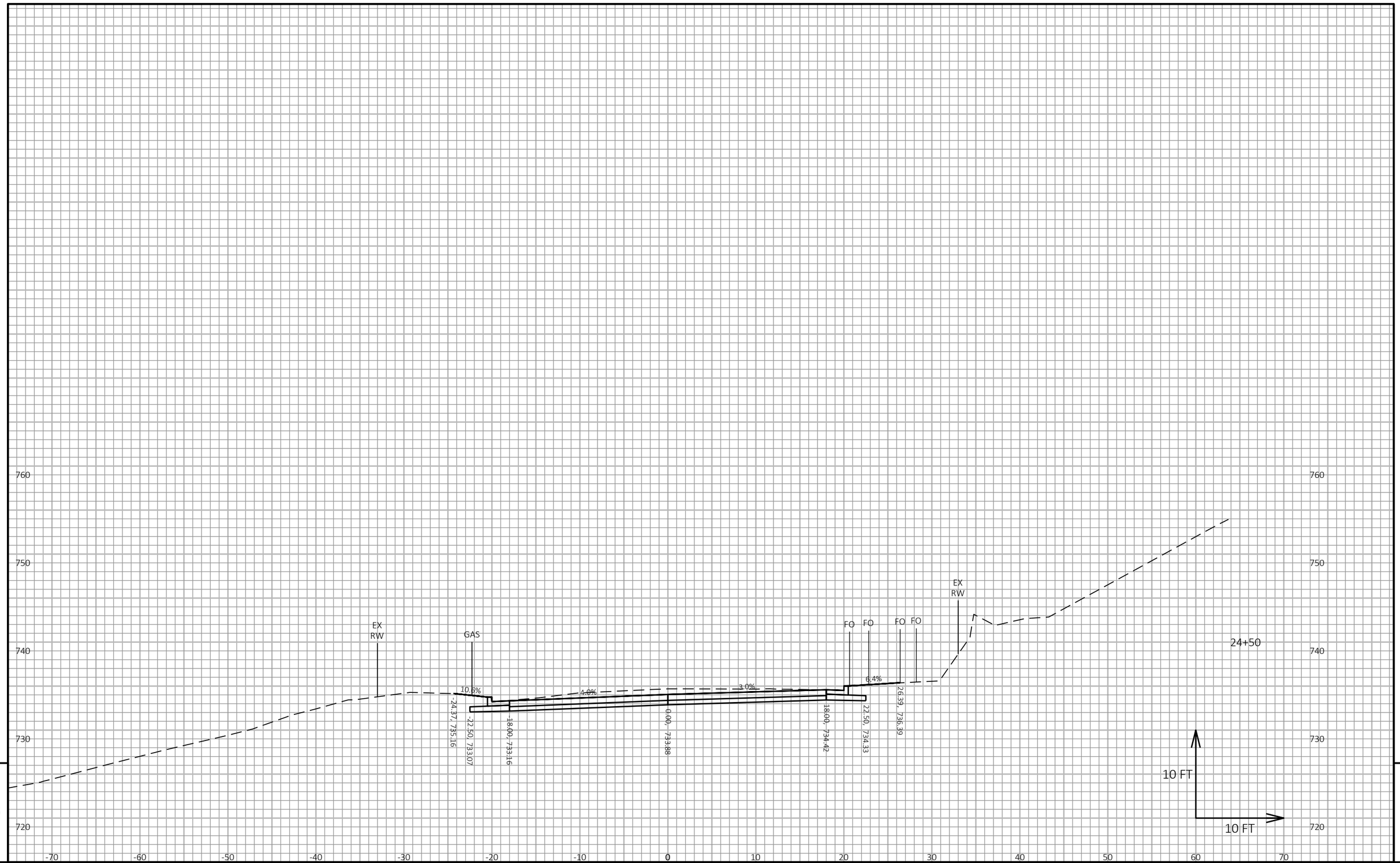
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 604	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 6

PLOT DATE : 7/22/2020 2:41 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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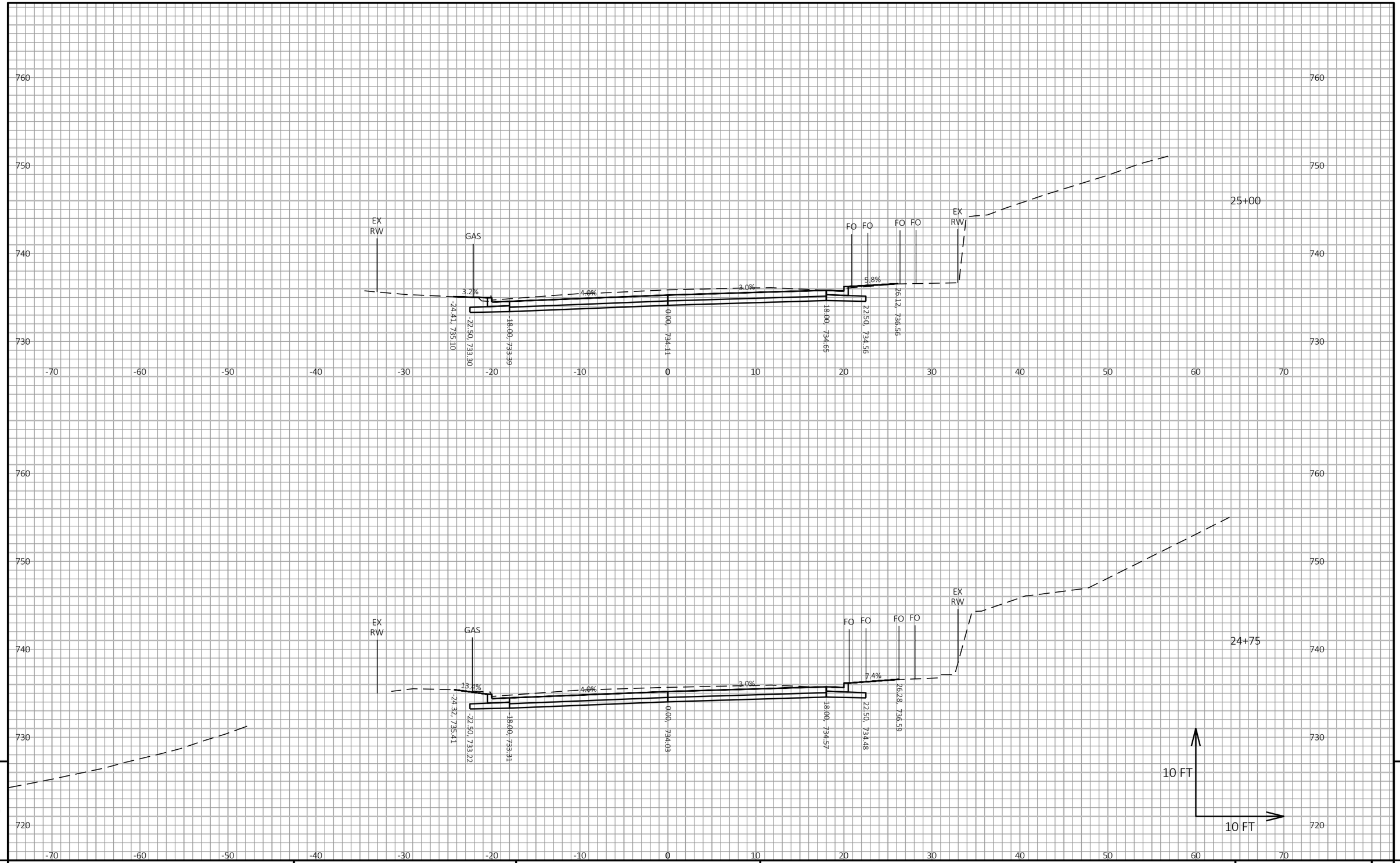
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 605	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 7

PLOT DATE : 7/22/2020 2:41 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

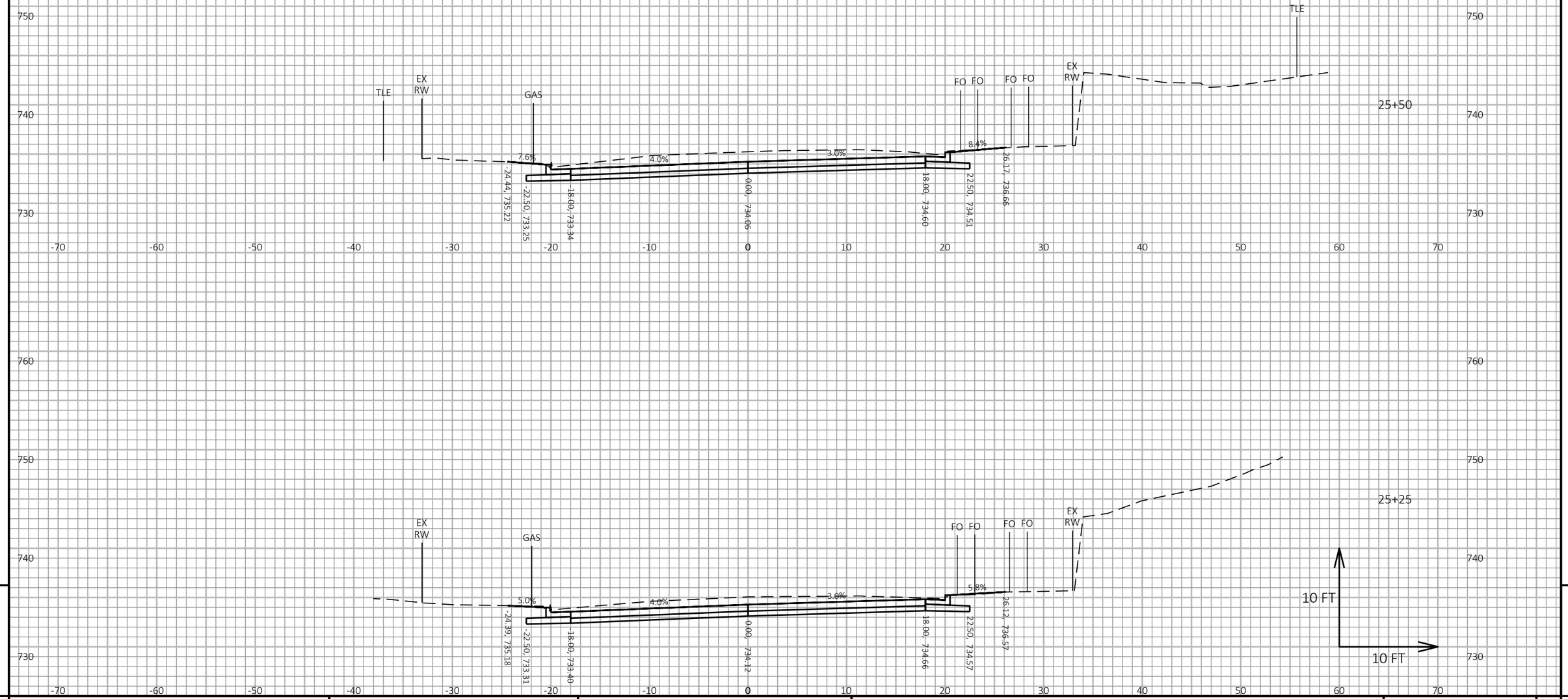
WISDOT/CADDS SHEET 49



PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 606	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 8

PLOT DATE : 7/22/2020 2:41 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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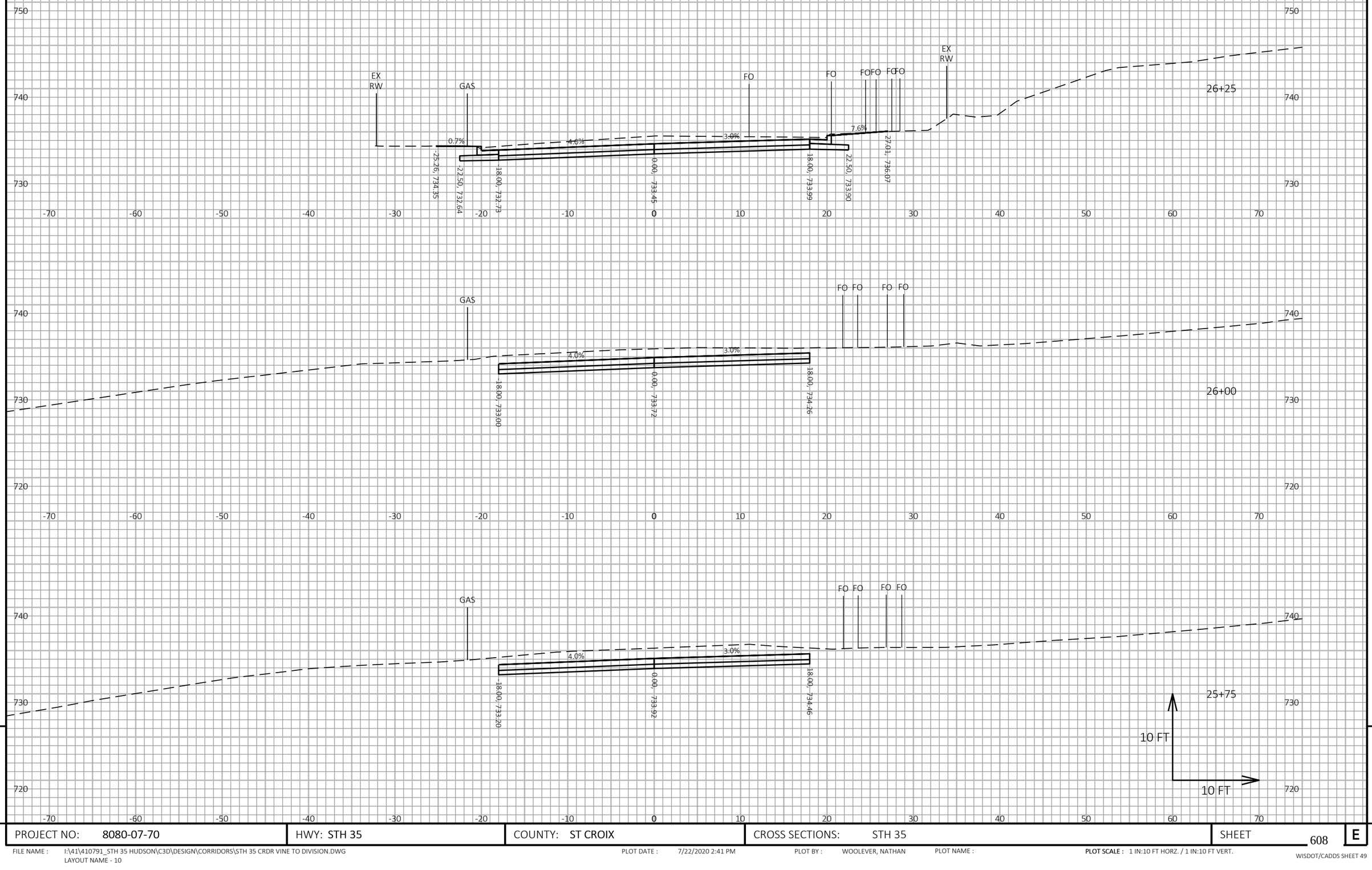
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 607	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 9

PLOT DATE : 7/22/2020 2:41 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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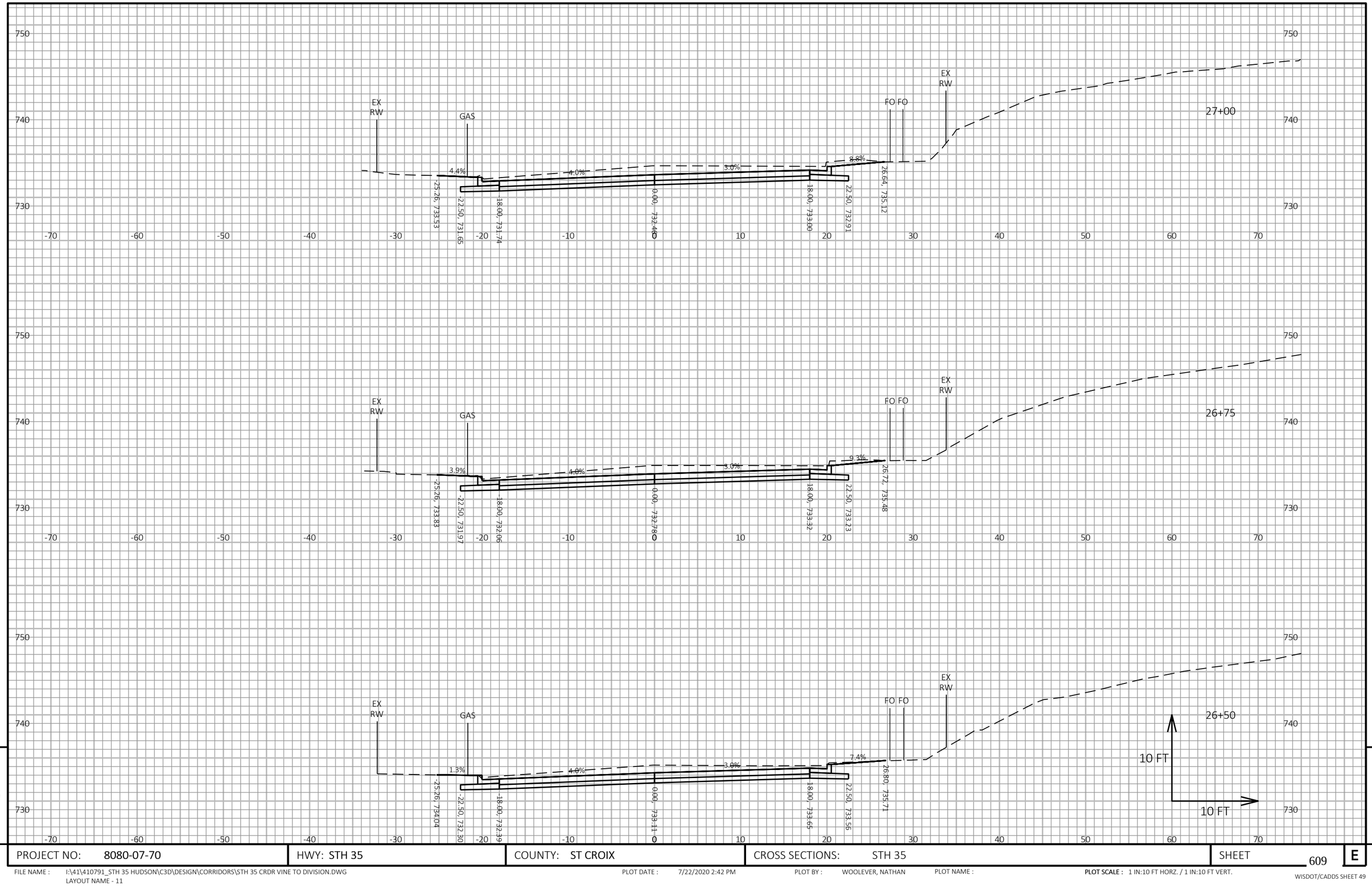
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 608	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 10

PLOT DATE : 7/22/2020 2:41 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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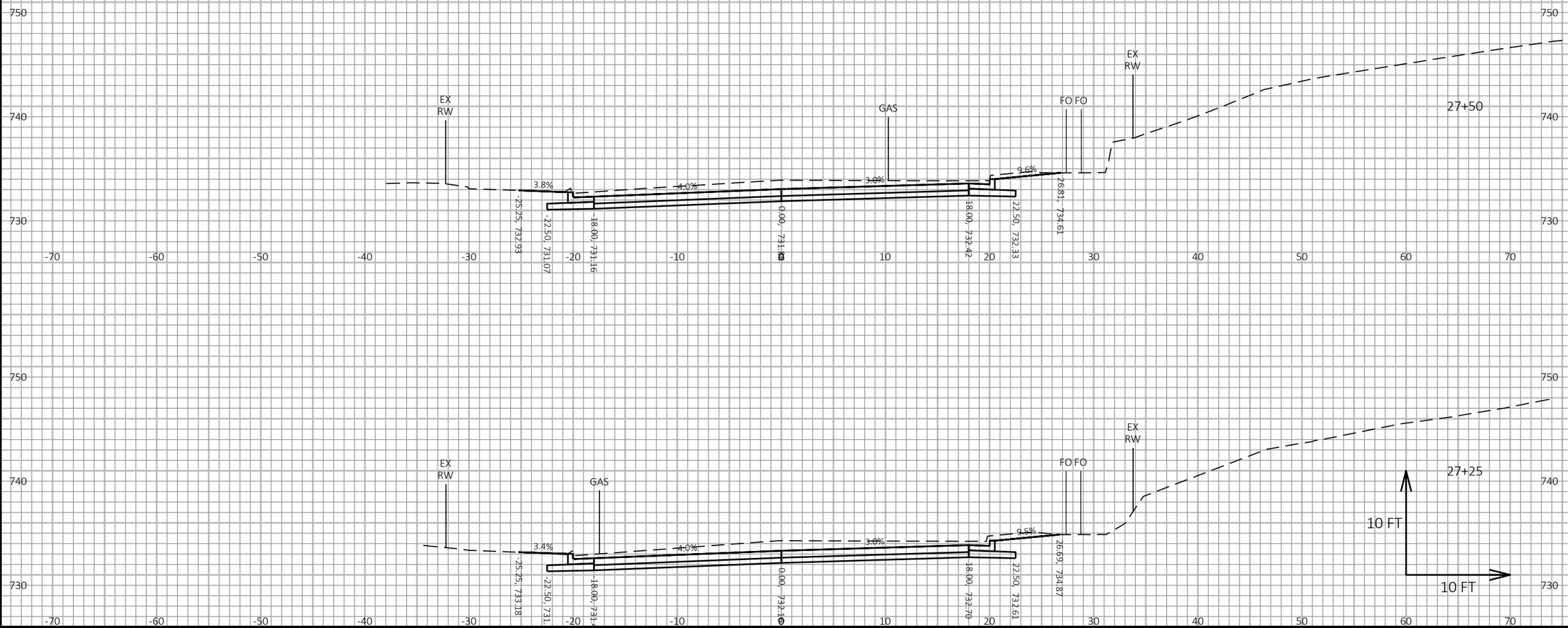
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 609	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 11

PLOT DATE : 7/22/2020 2:42 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 610	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 12

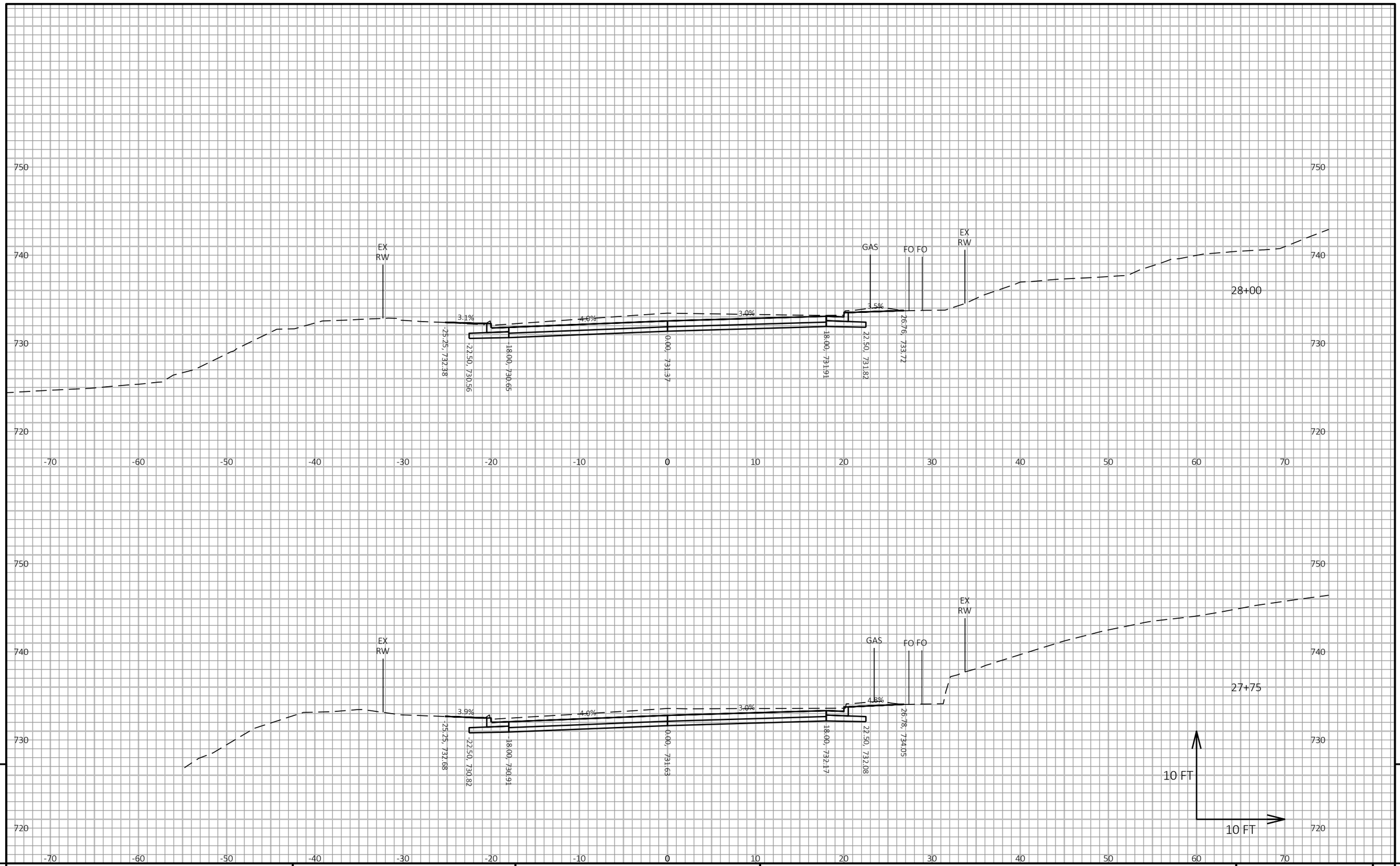
PLOT DATE : 7/22/2020 2:42 PM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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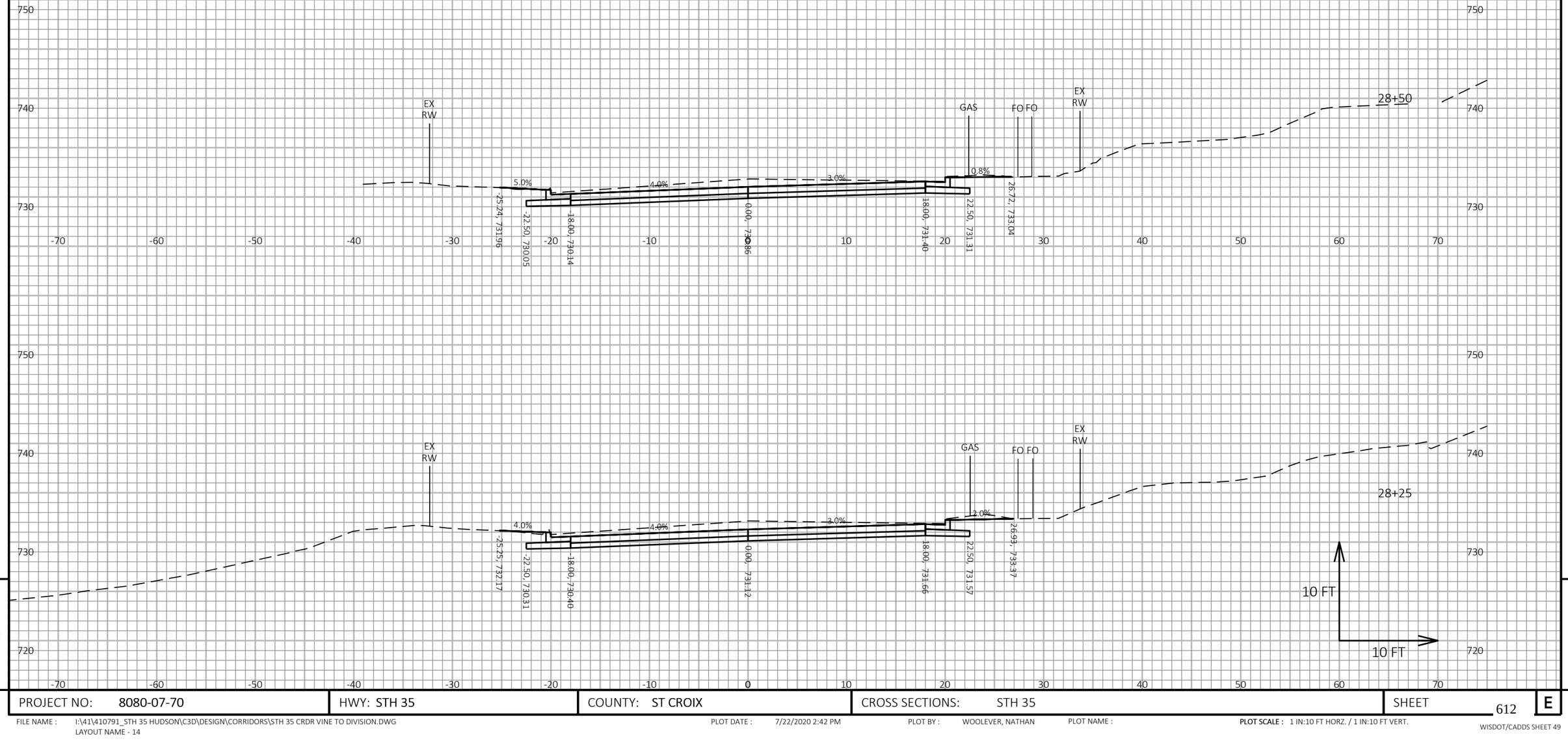
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 611	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 13

PLOT DATE : 7/22/2020 2:42 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



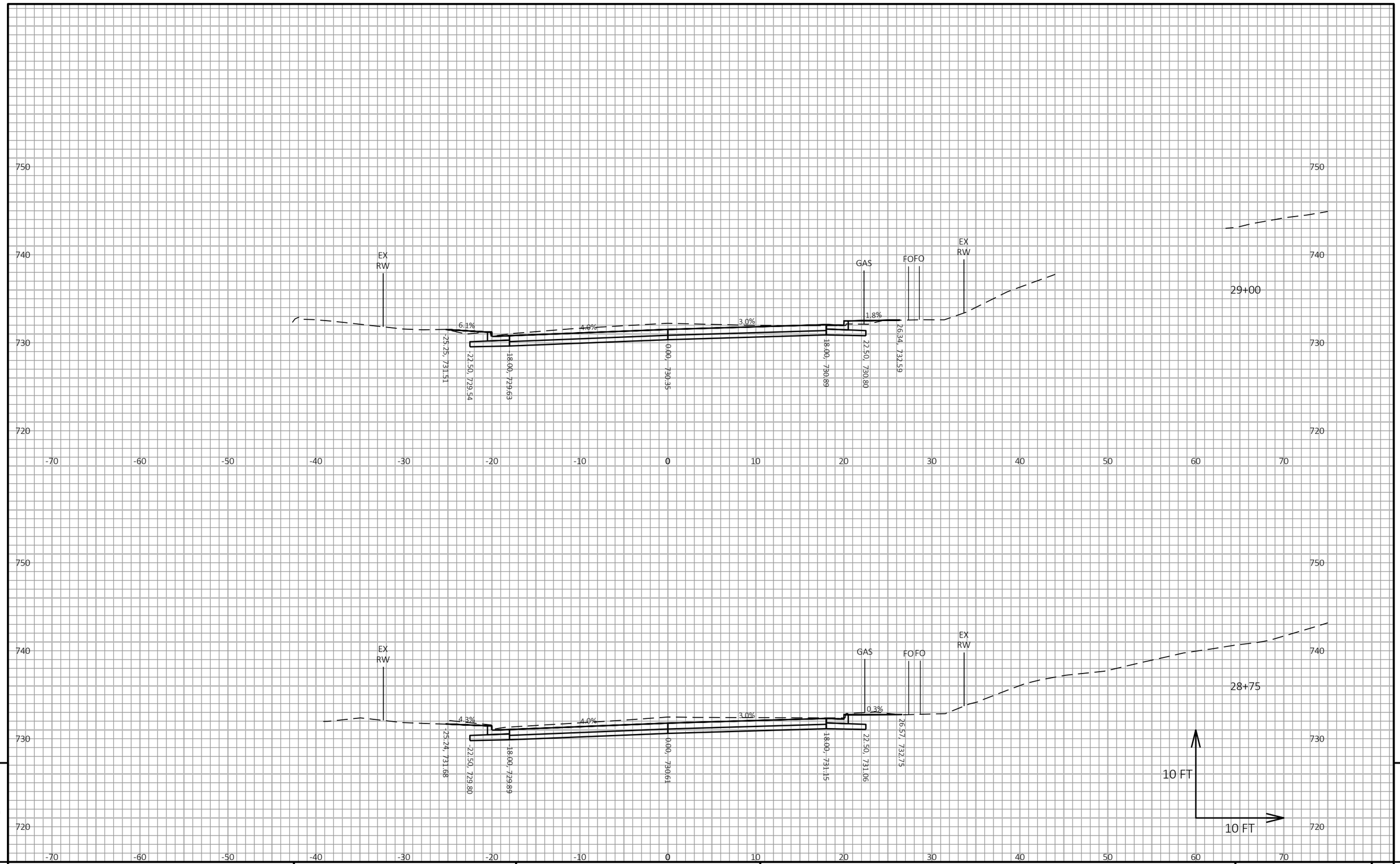
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 612	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 14

PLOT DATE : 7/22/2020 2:42 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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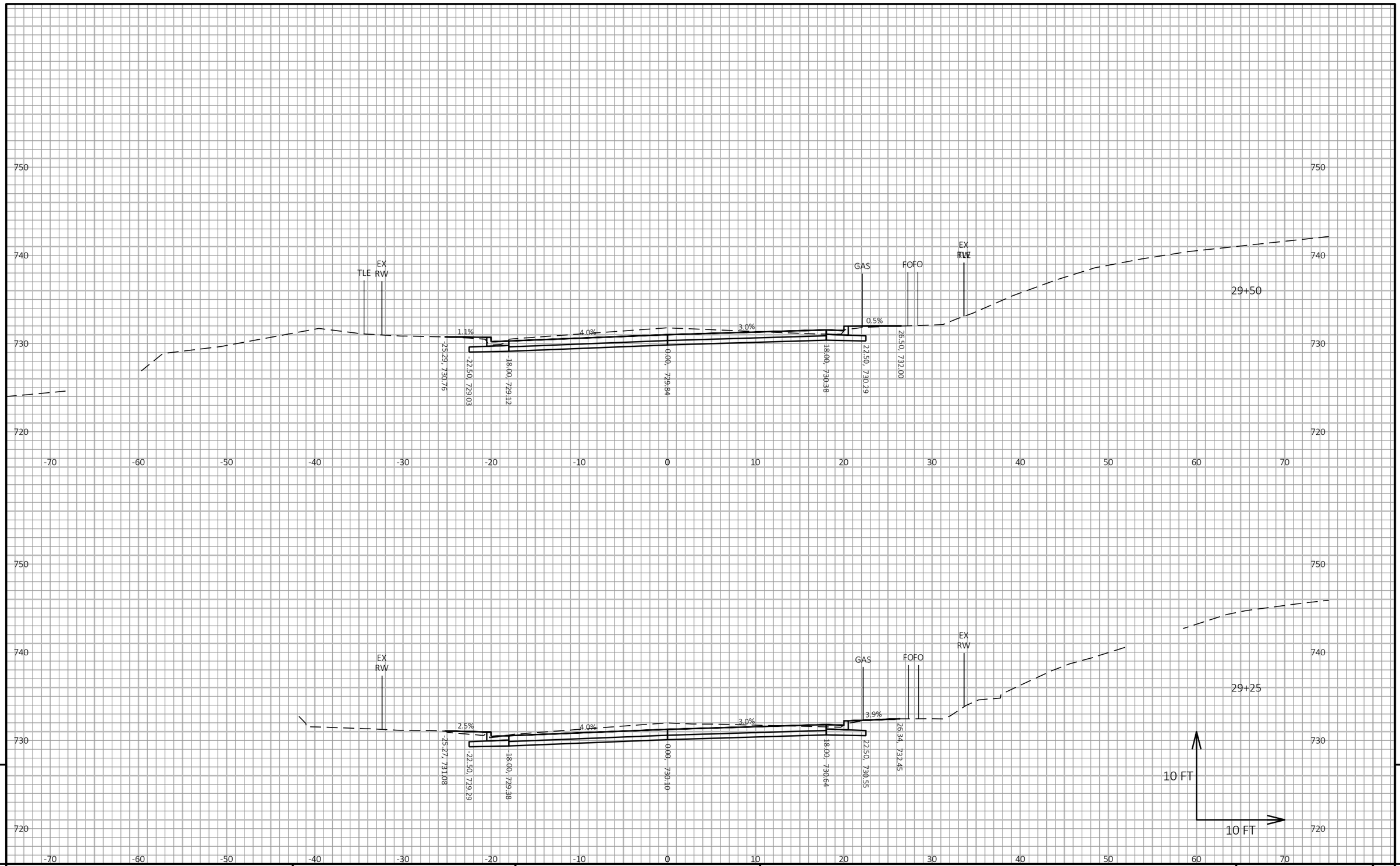
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 613	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 15

PLOT DATE : 7/22/2020 2:42 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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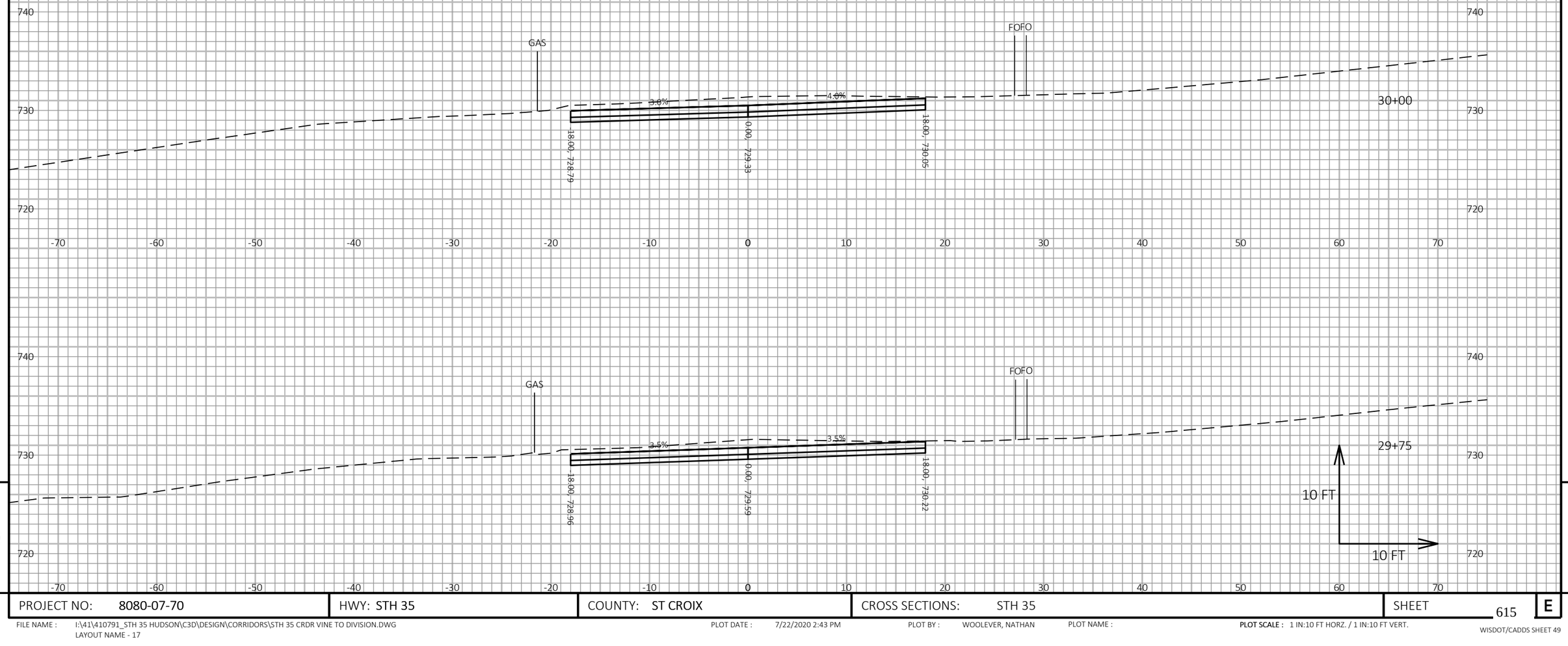
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 614	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 16

PLOT DATE : 7/22/2020 2:42 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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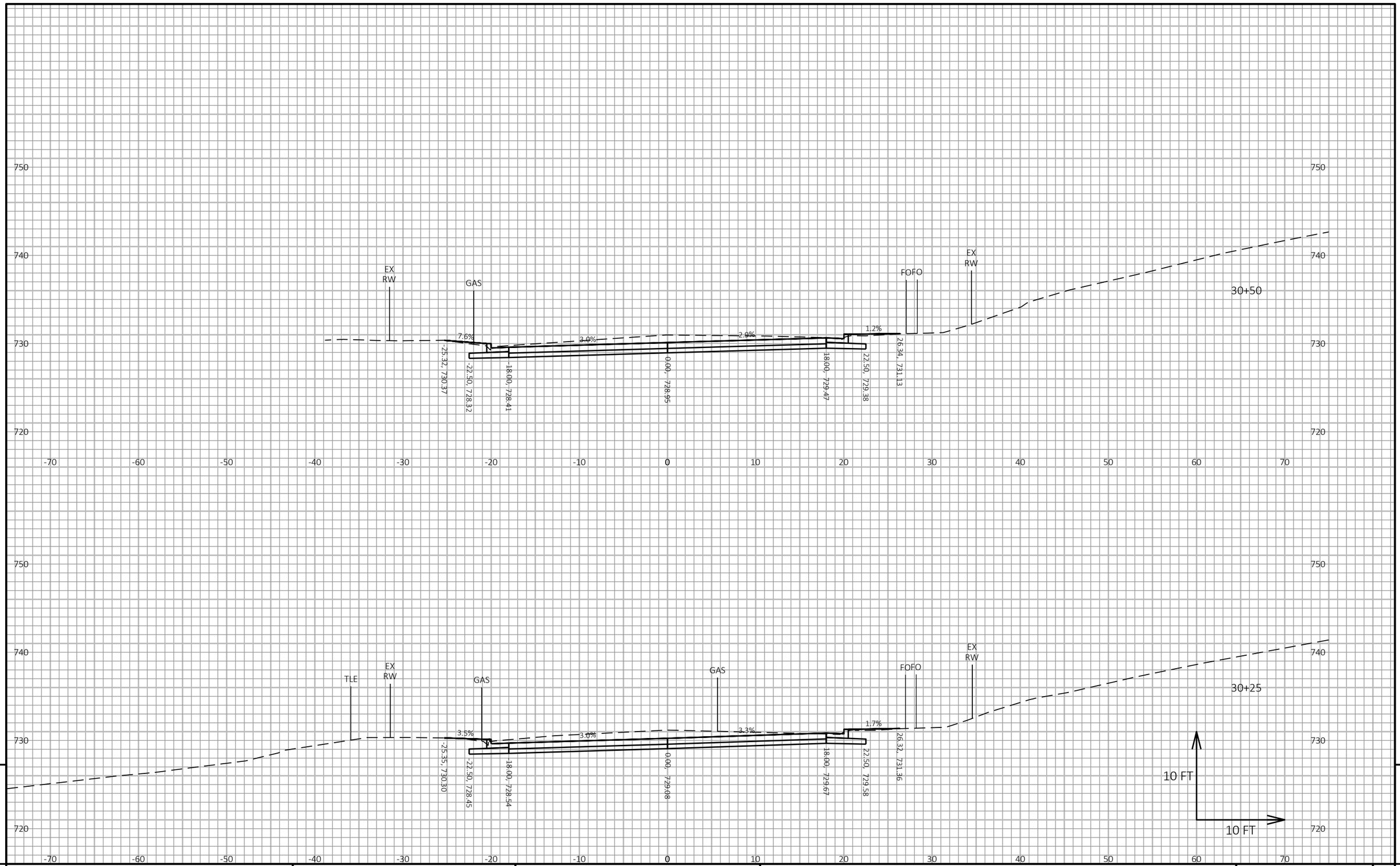
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 615	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 17

PLOT DATE : 7/22/2020 2:43 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



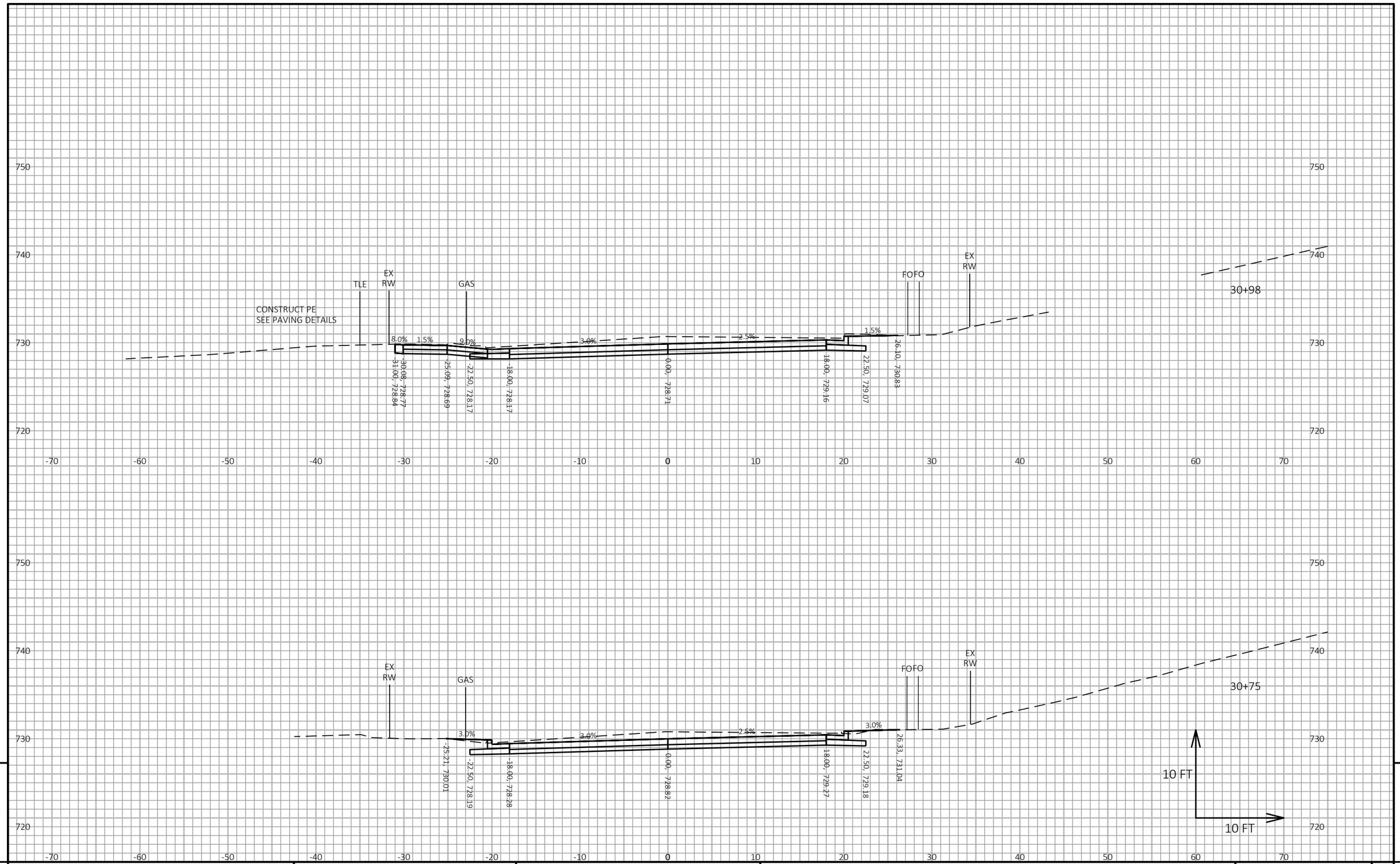
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 616	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 18

PLOT DATE : 7/22/2020 2:43 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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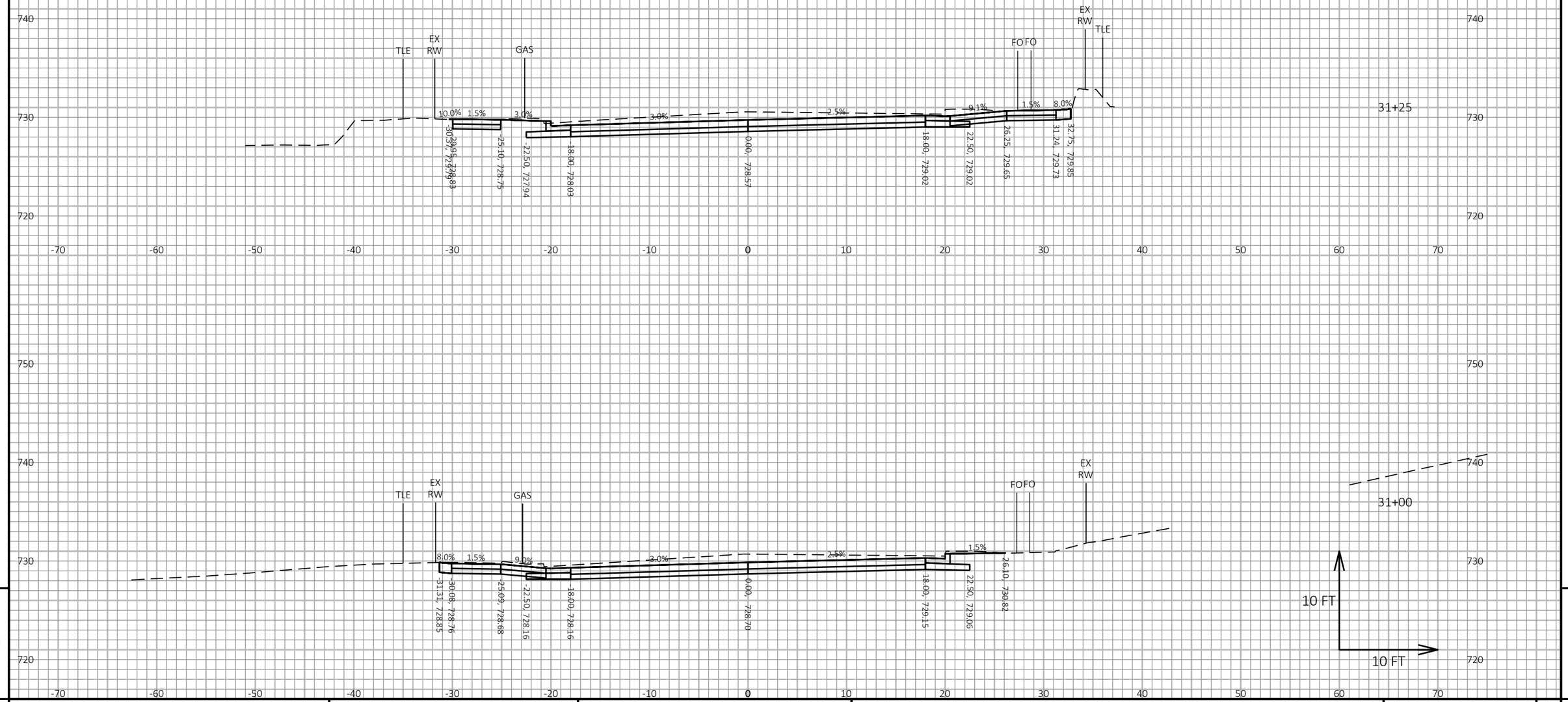
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 617	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 19

PLOT DATE : 7/22/2020 2:43 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 618	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 20

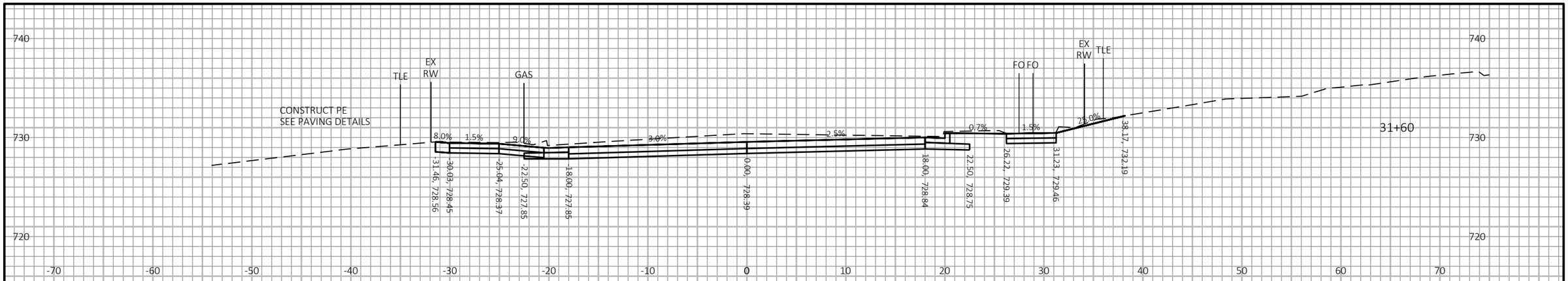
PLOT DATE : 7/22/2020 2:43 PM

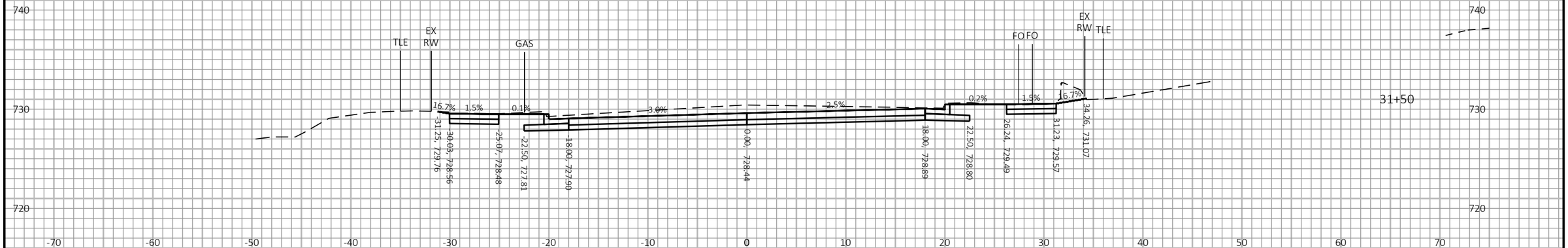
PLOT BY : WOOLEVER, NATHAN

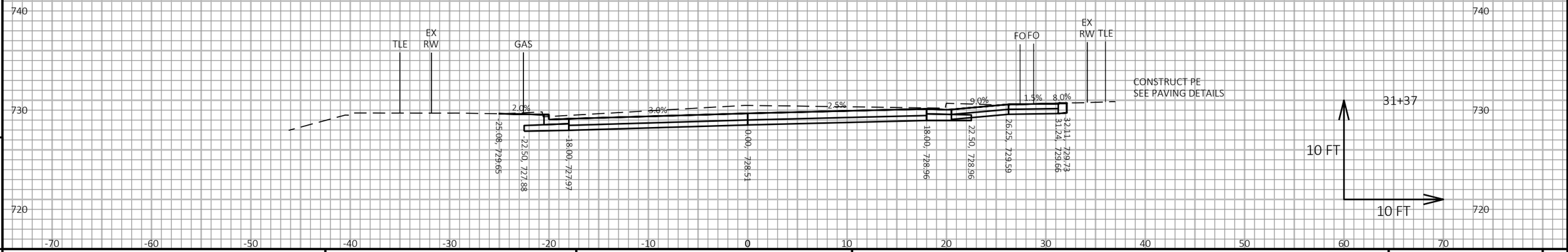
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 619	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 21

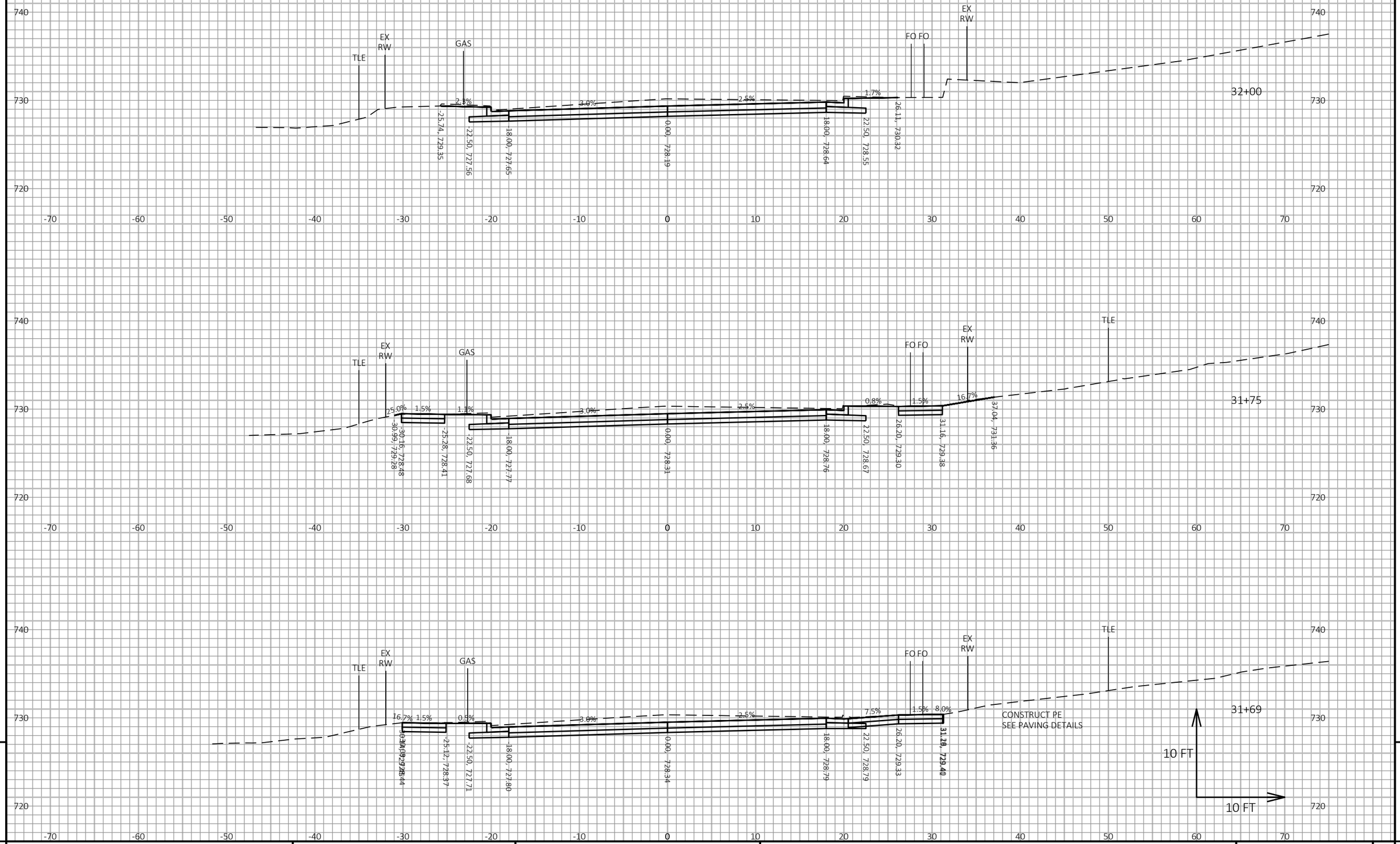
PLOT DATE : 7/22/2020 2:43 PM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 620	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 22

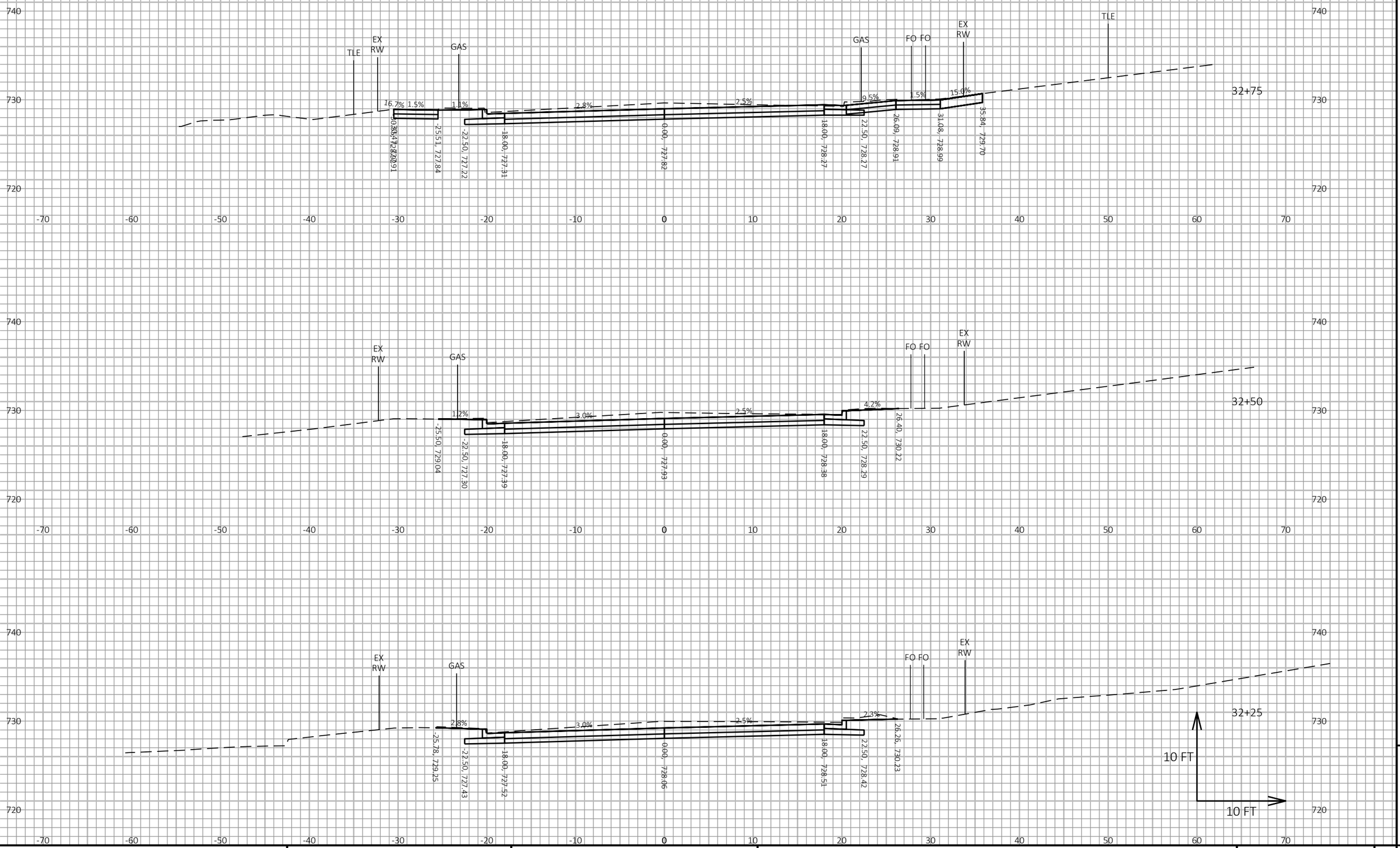
PLOT DATE : 7/22/2020 2:43 PM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 621	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 23

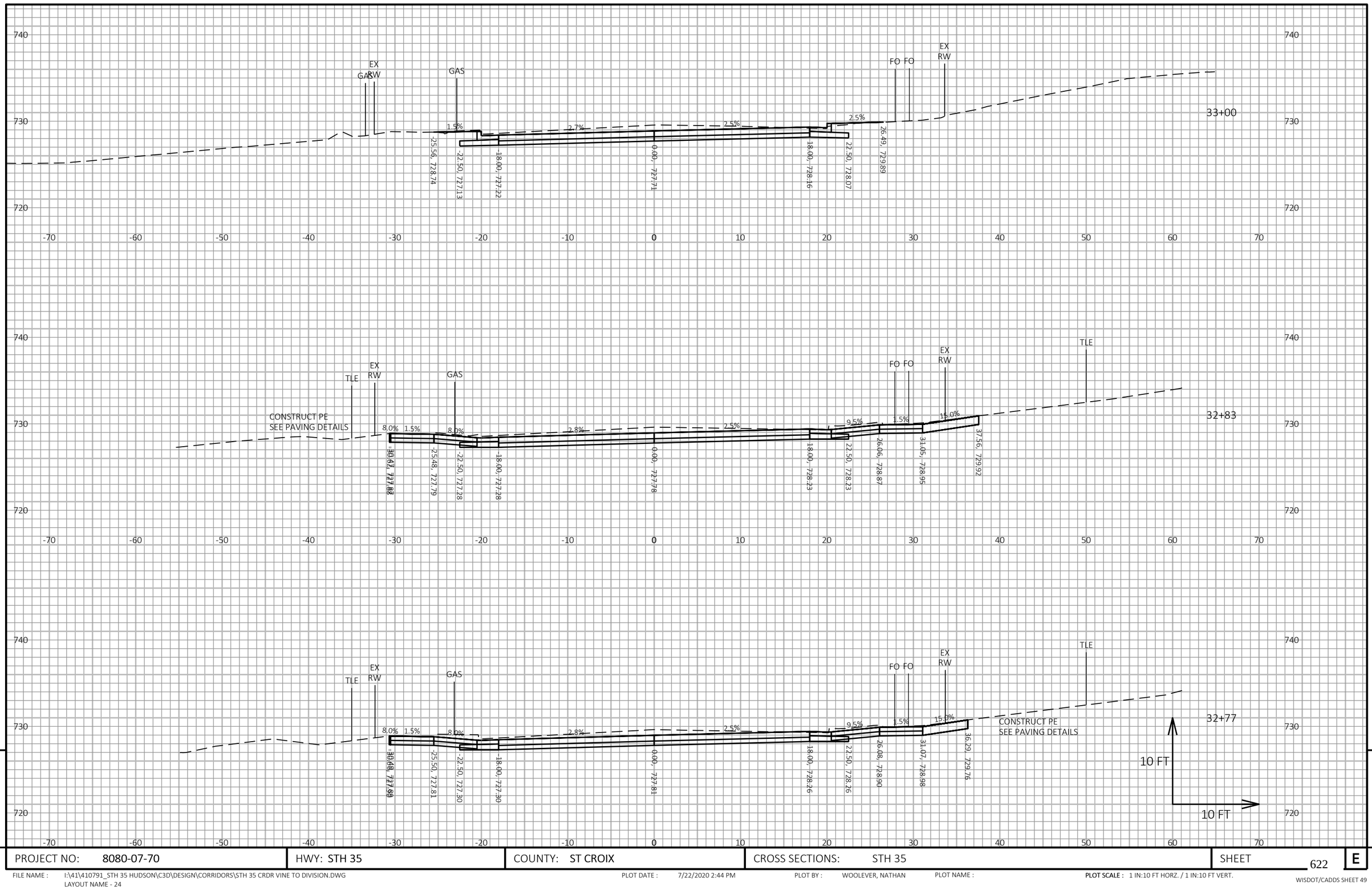
PLOT DATE : 7/22/2020 2:44 PM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 622	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 24

PLOT DATE : 7/22/2020 2:44 PM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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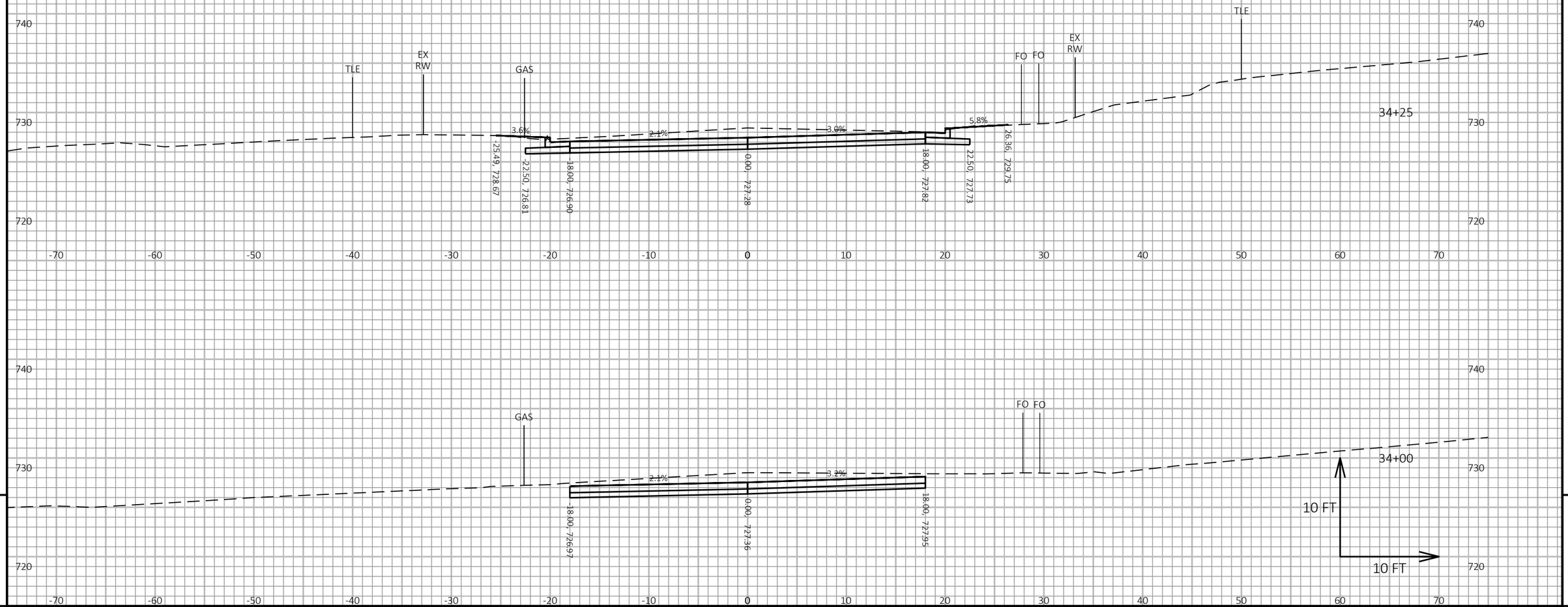
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 623	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 25

PLOT DATE : 7/22/2020 2:44 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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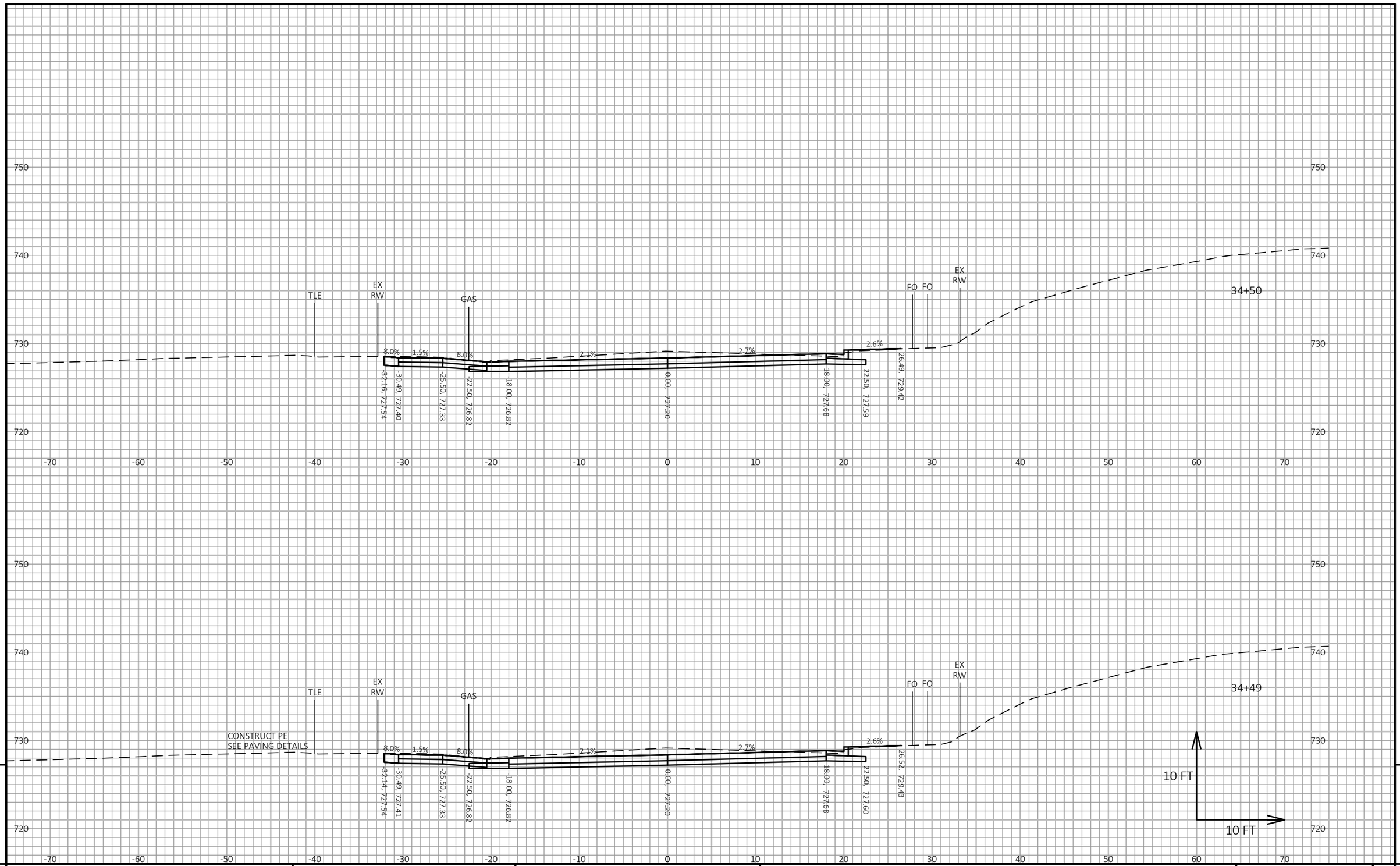
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 624	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 26

PLOT DATE : 7/22/2020 2:44 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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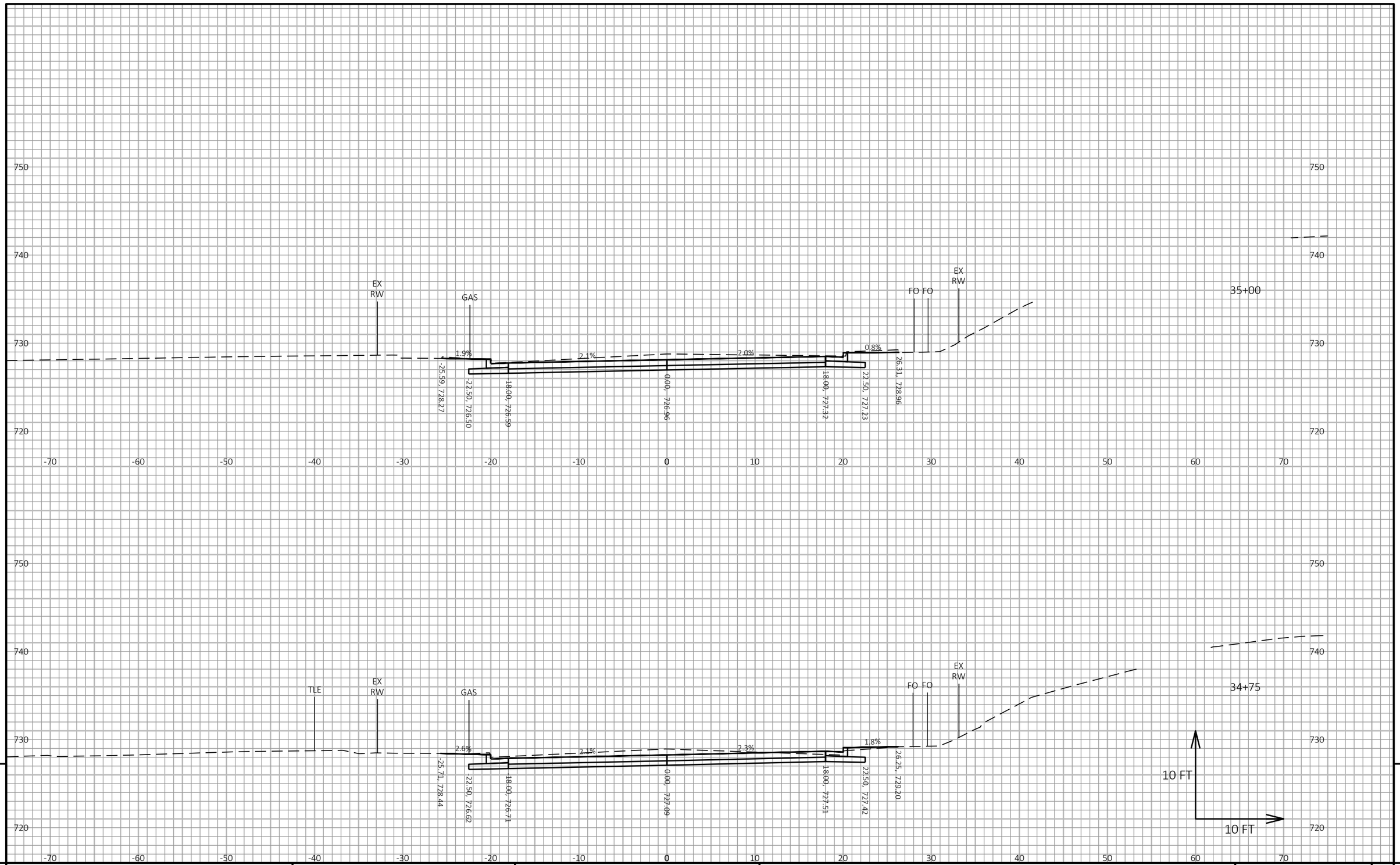
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 625	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 27

PLOT DATE : 7/22/2020 2:44 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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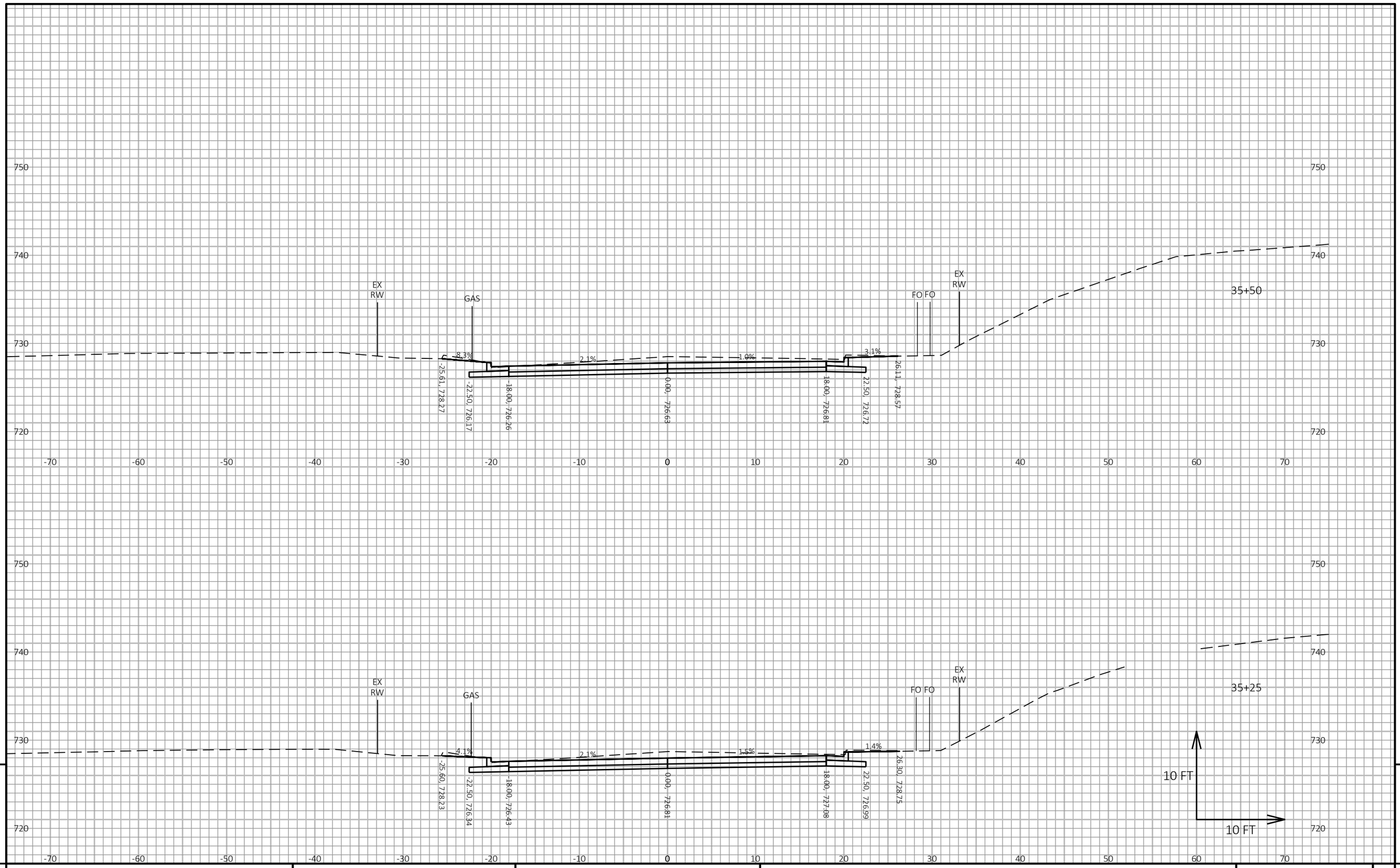
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 626	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 28

PLOT DATE : 7/22/2020 2:44 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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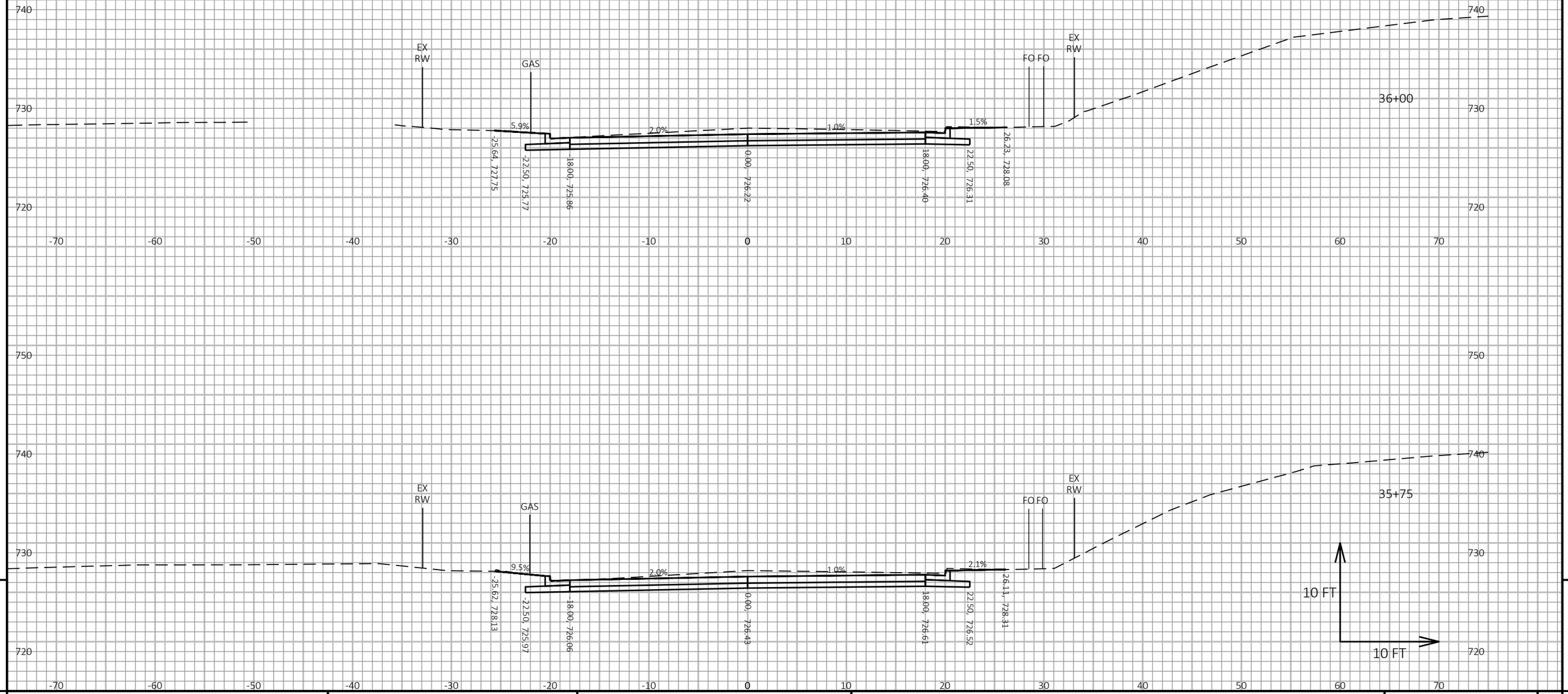
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 627	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 29

PLOT DATE : 7/22/2020 2:45 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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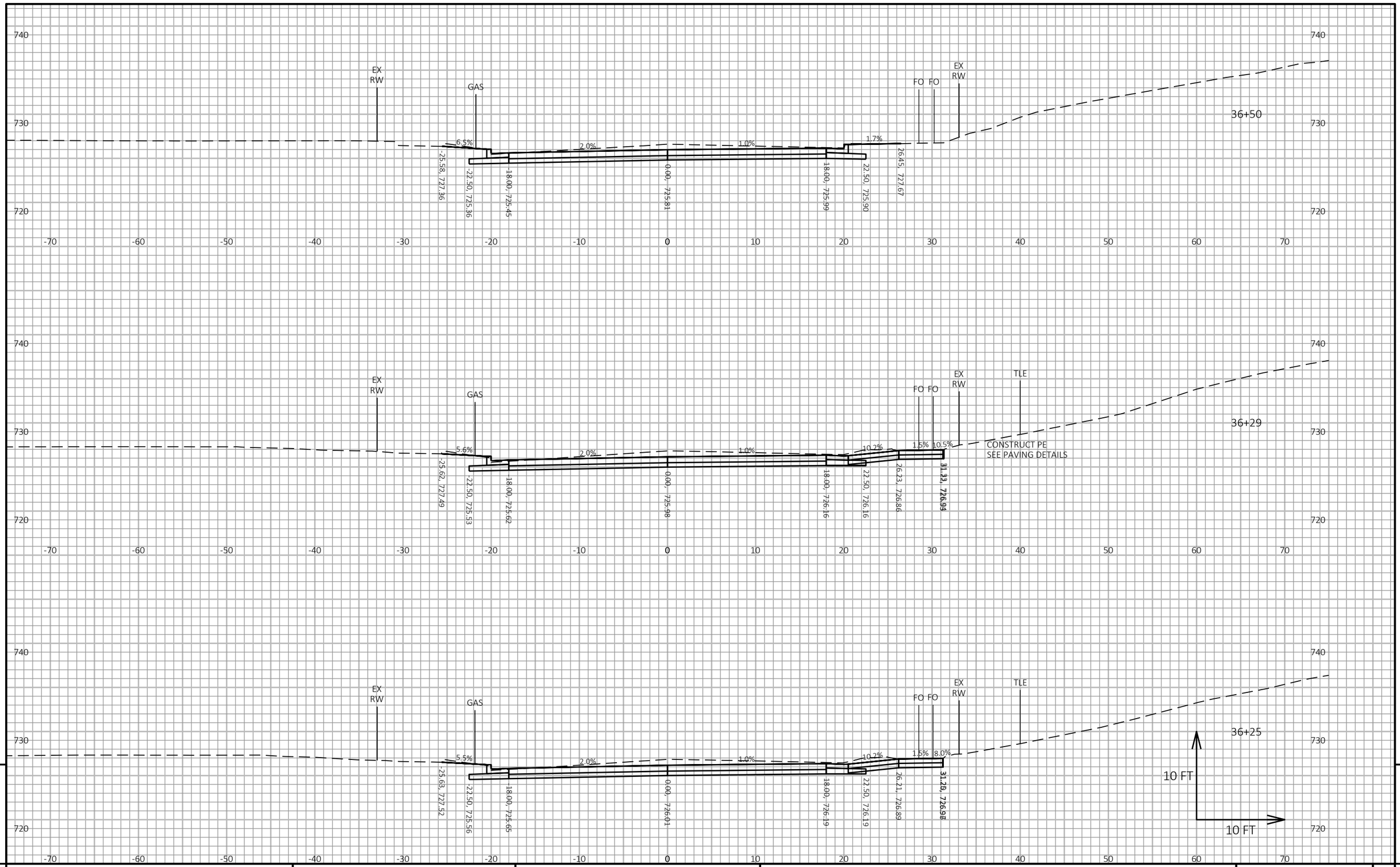
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 628	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 30

PLOT DATE : 7/22/2020 2:45 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 629	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 31

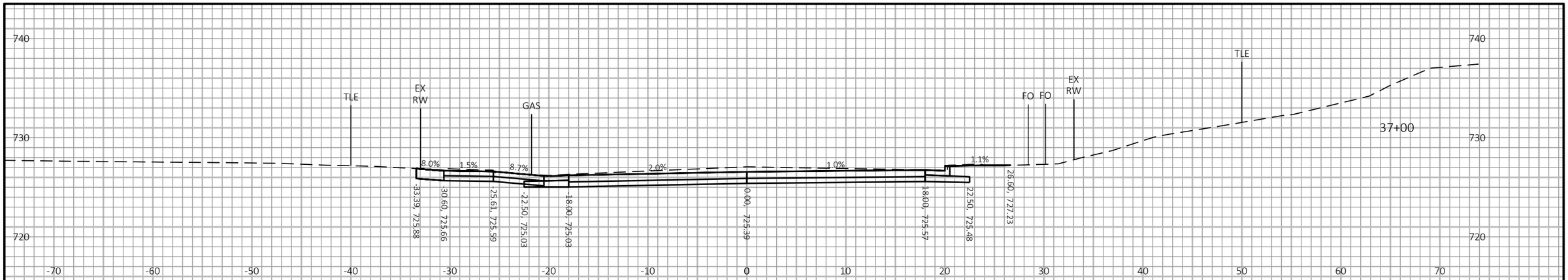
PLOT DATE : 7/22/2020 2:45 PM

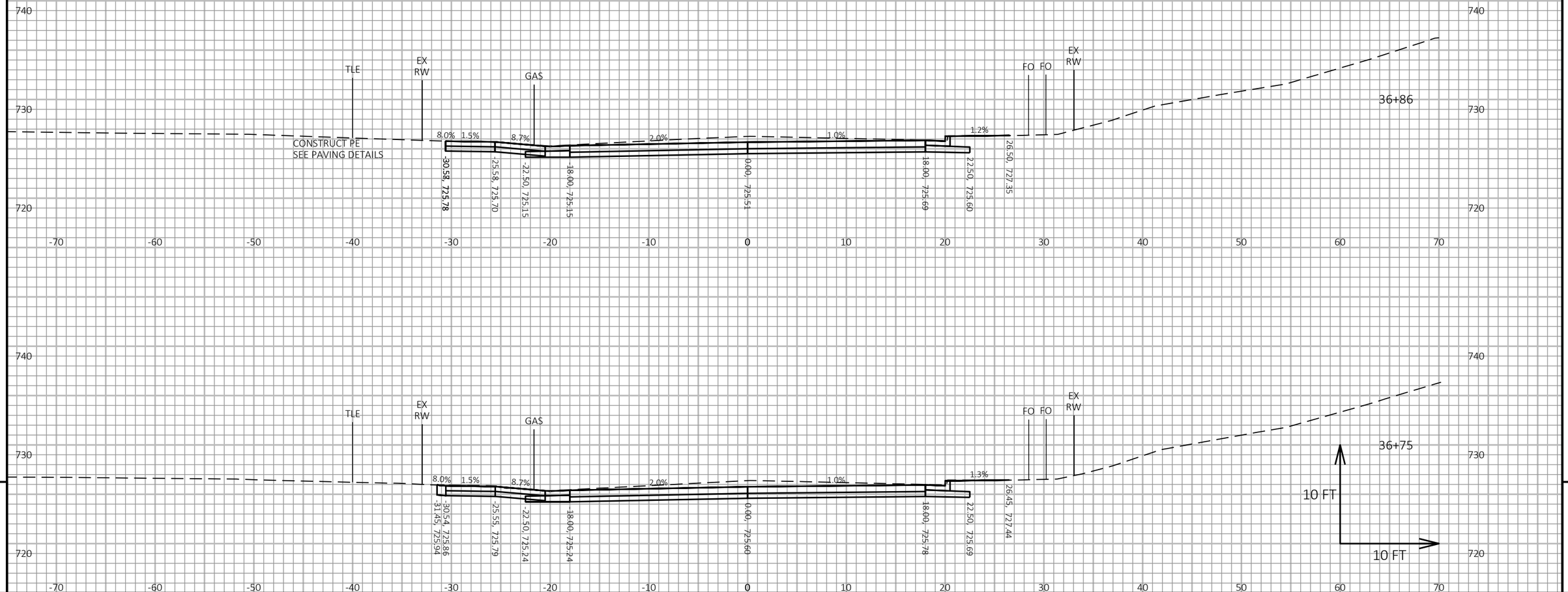
PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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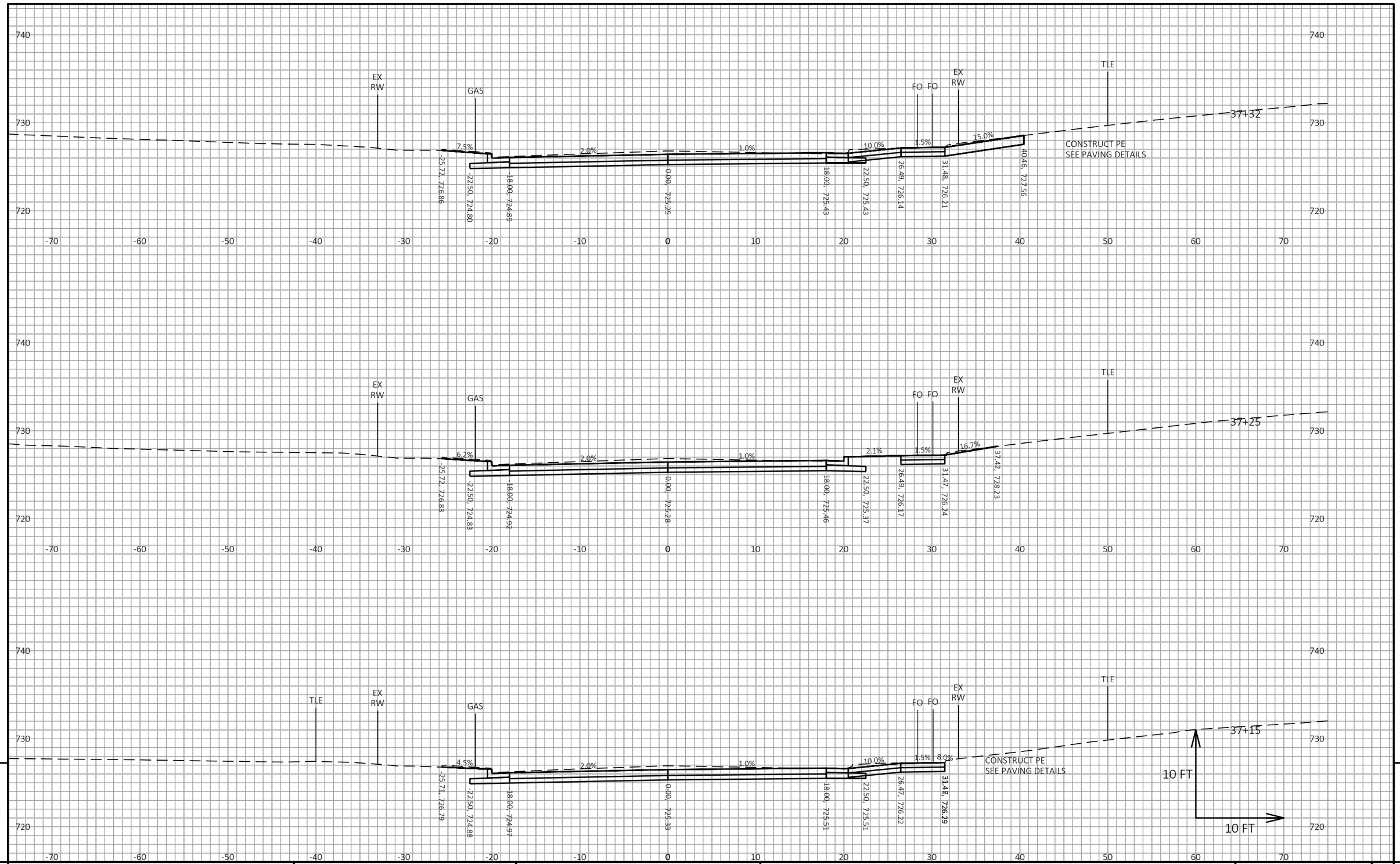
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 630	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 32

PLOT DATE : 7/22/2020 2:45 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 631	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 33

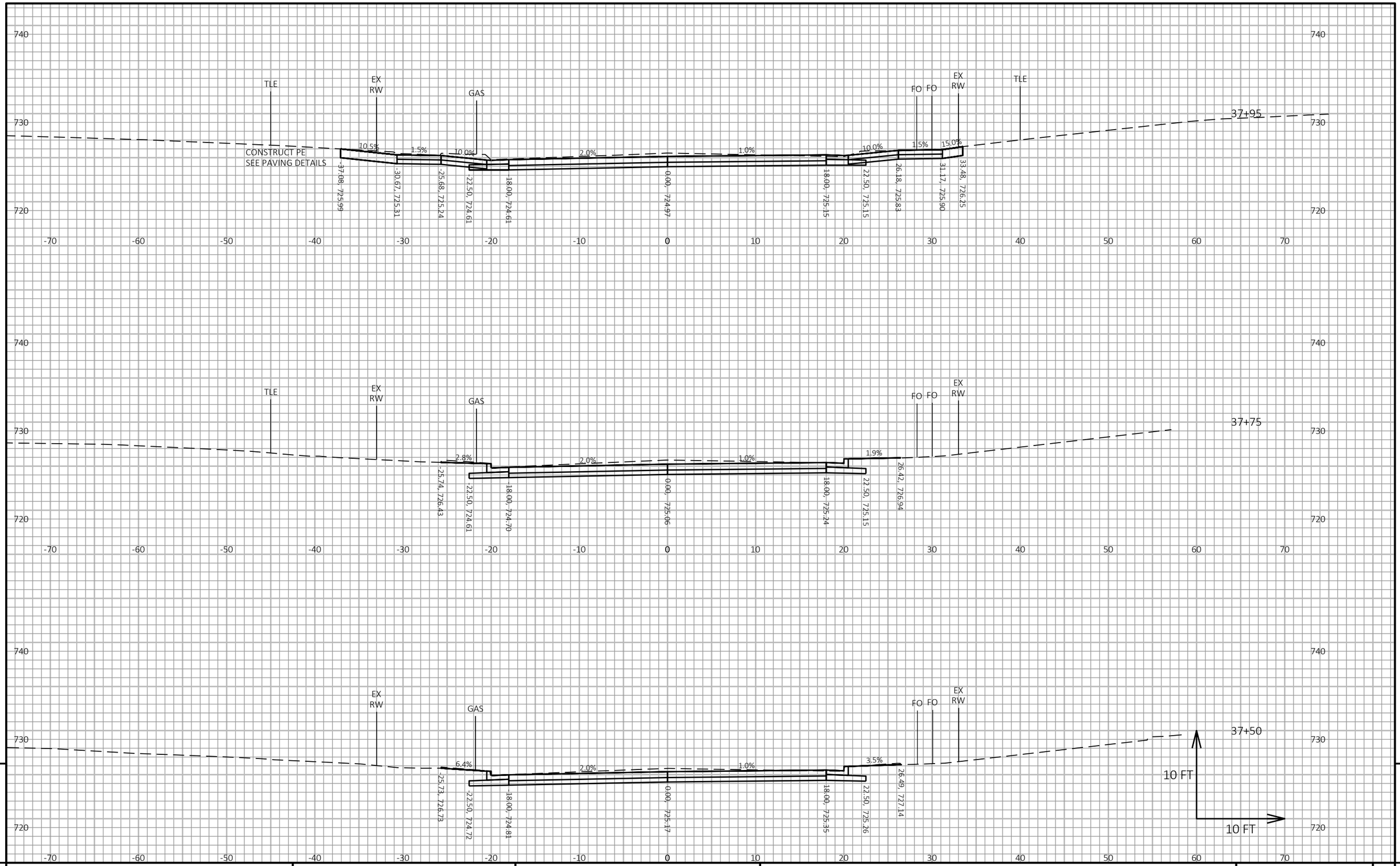
PLOT DATE : 7/22/2020 2:45 PM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 632	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 34

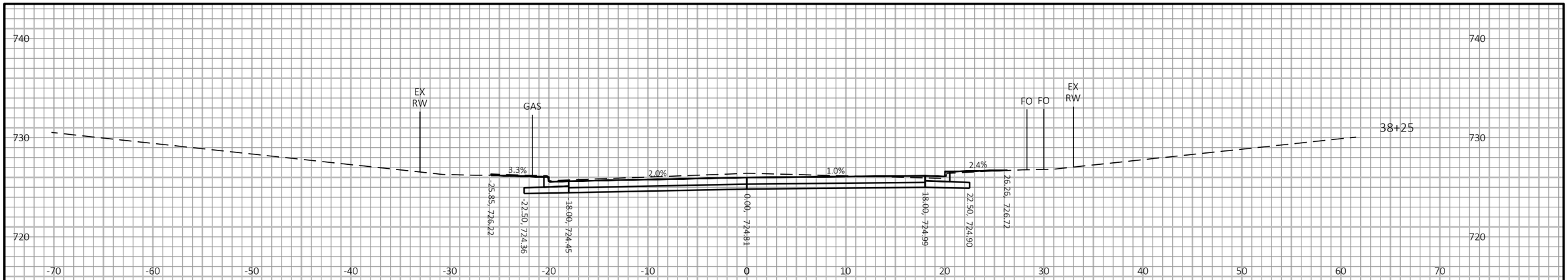
PLOT DATE : 7/22/2020 2:45 PM

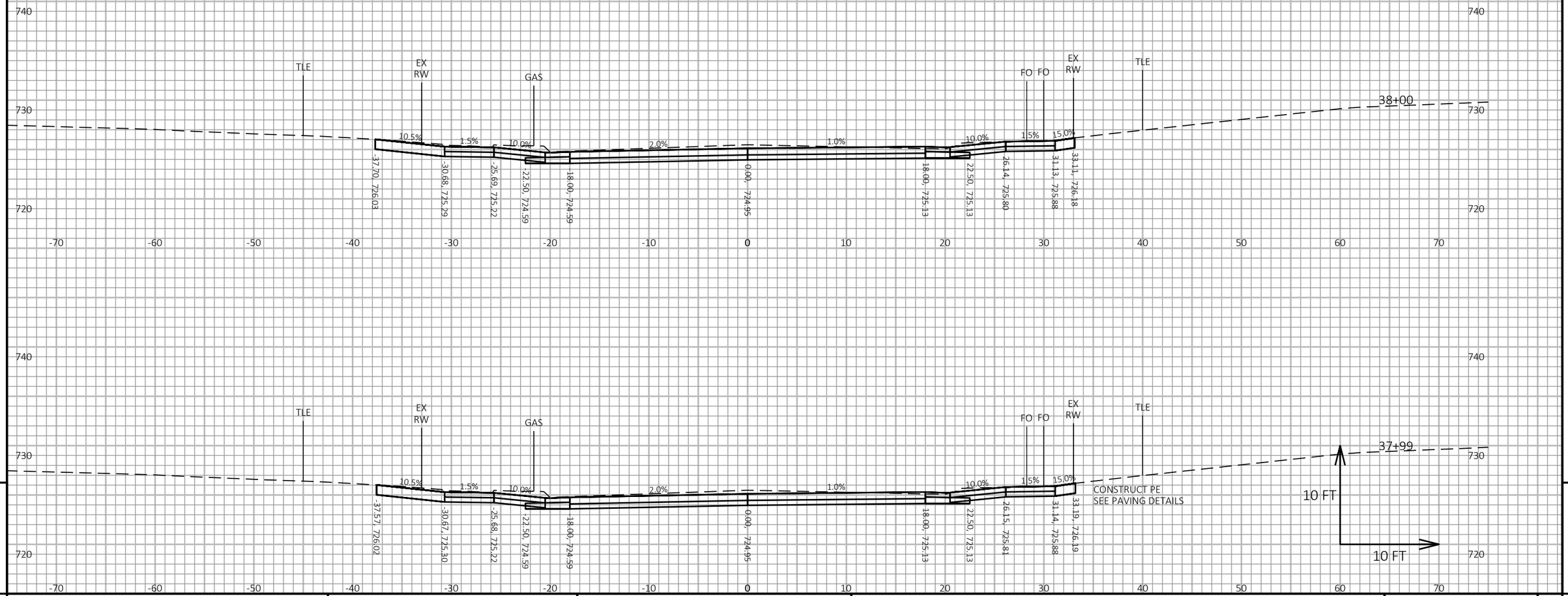
PLOT BY : WOOLEVER, NATHAN

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: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 633	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 35

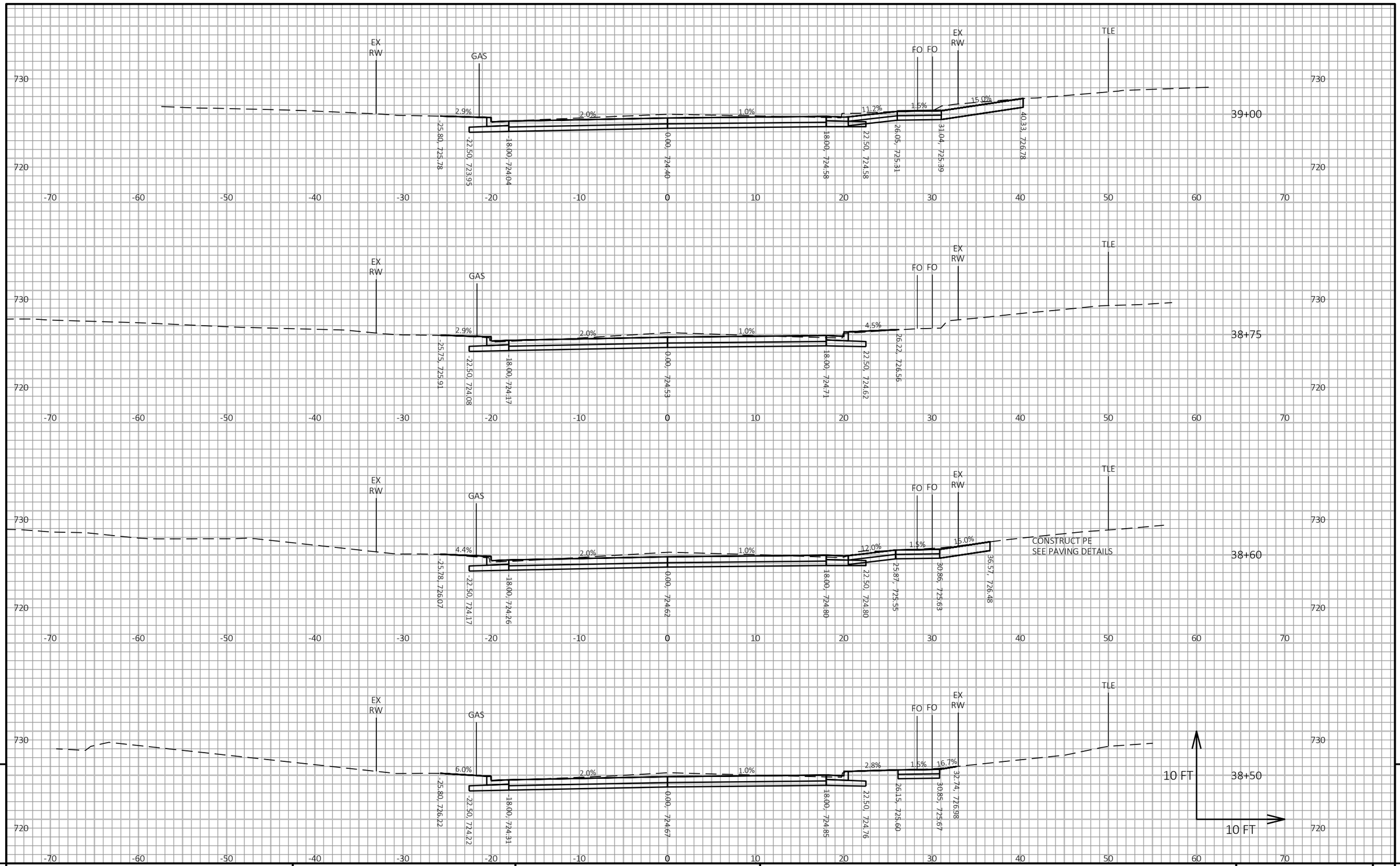
PLOT DATE : 7/22/2020 2:46 PM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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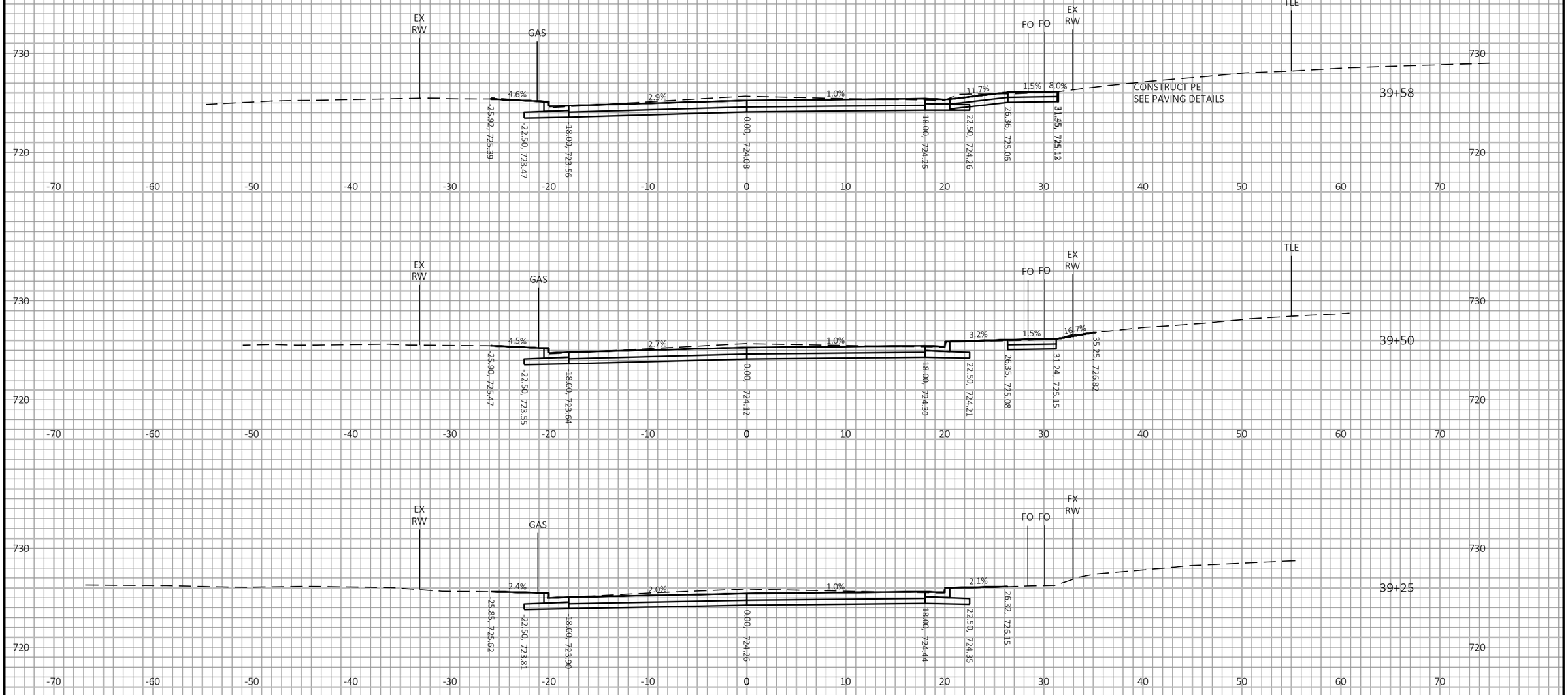
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 634	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 36

PLOT DATE : 7/22/2020 2:46 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

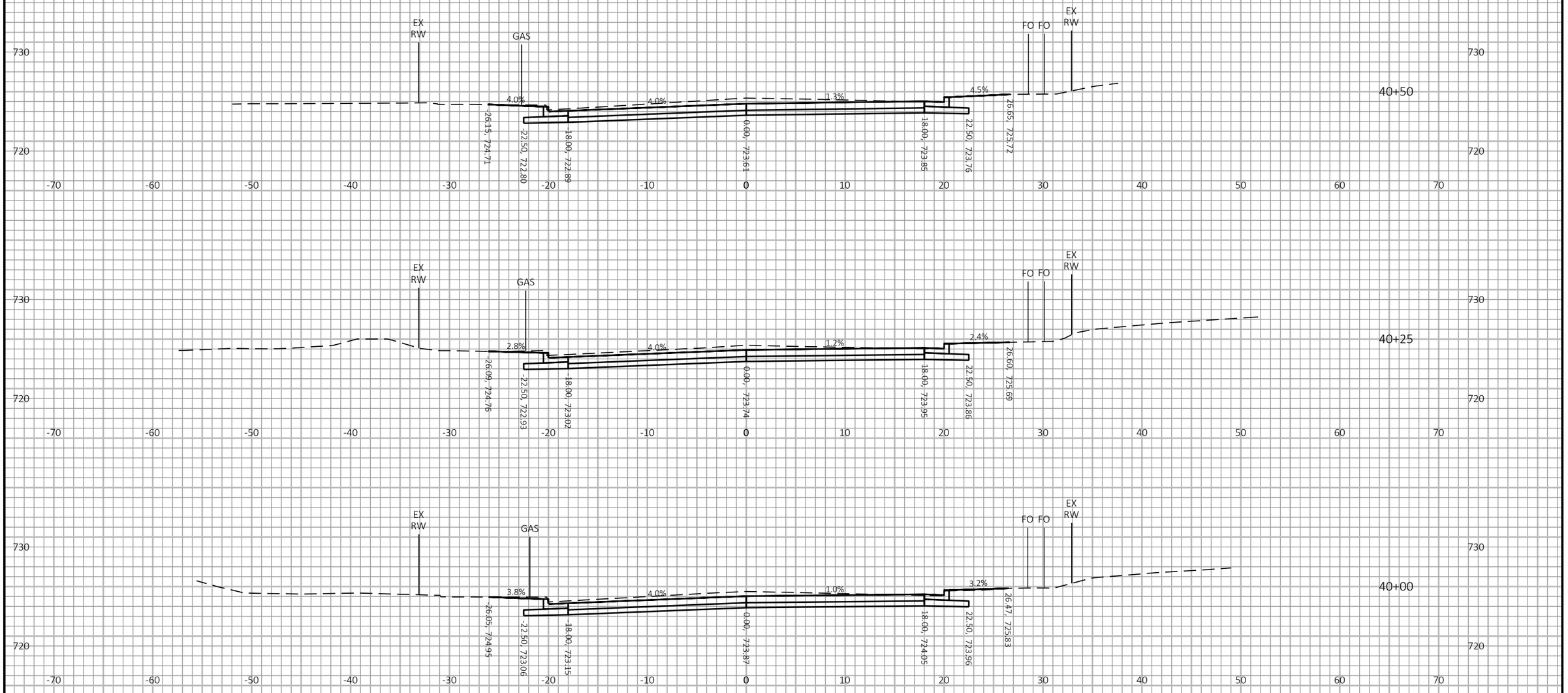
9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 635	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 37

PLOT DATE : 1/7/2021 12:43 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

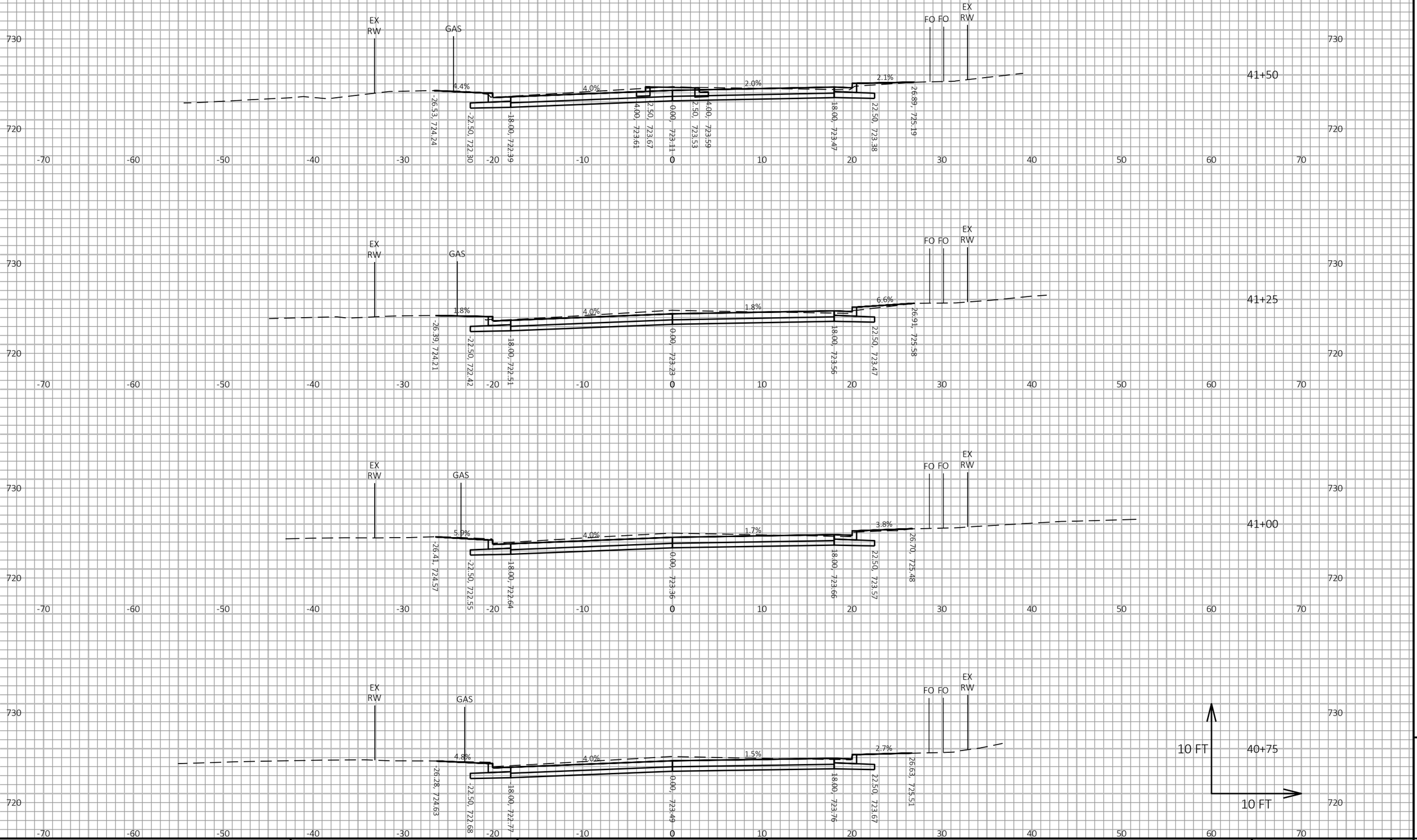
9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 636	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 38

PLOT DATE : 1/7/2021 12:44 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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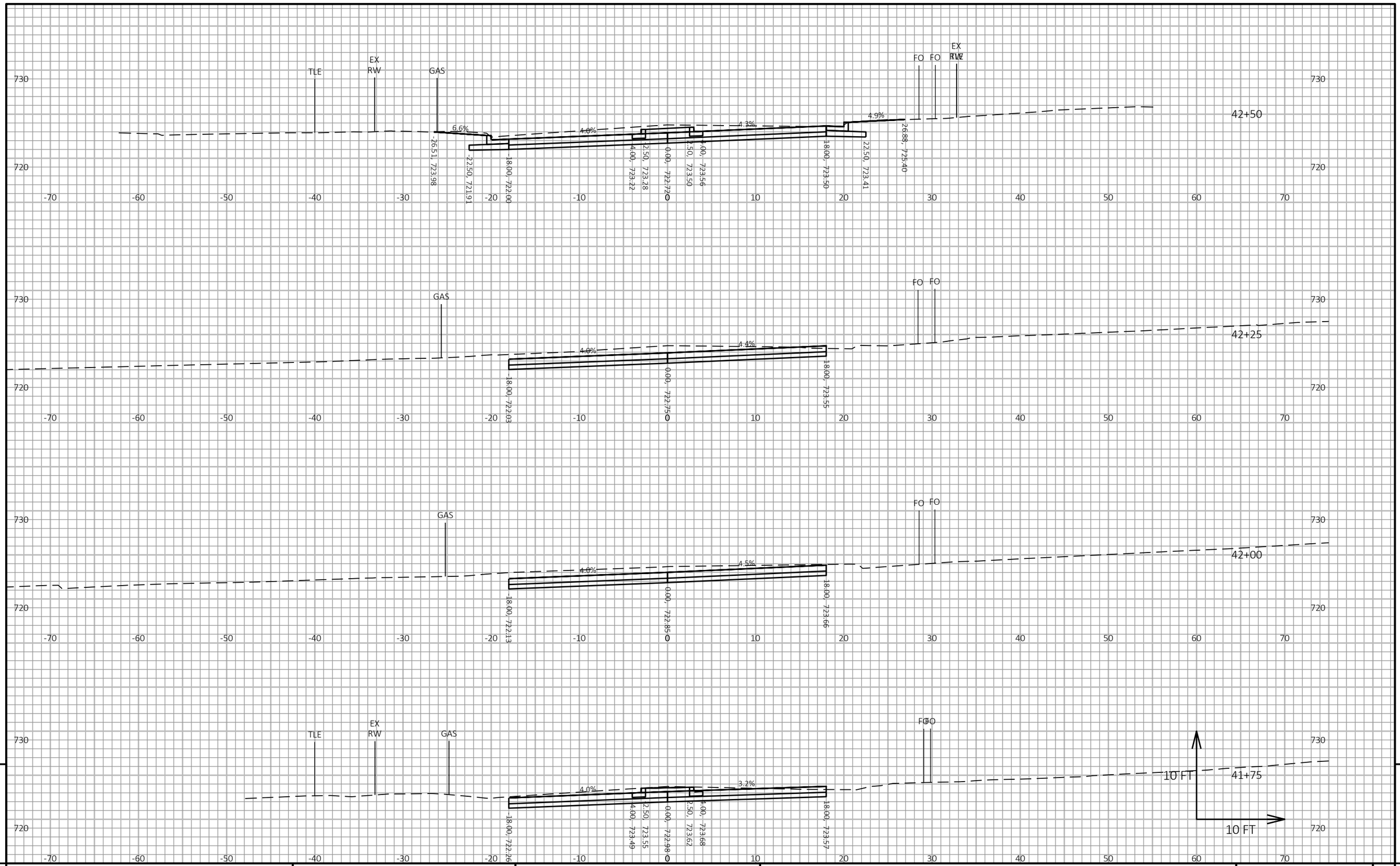
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 637	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 39

PLOT DATE : 1/7/2021 12:44 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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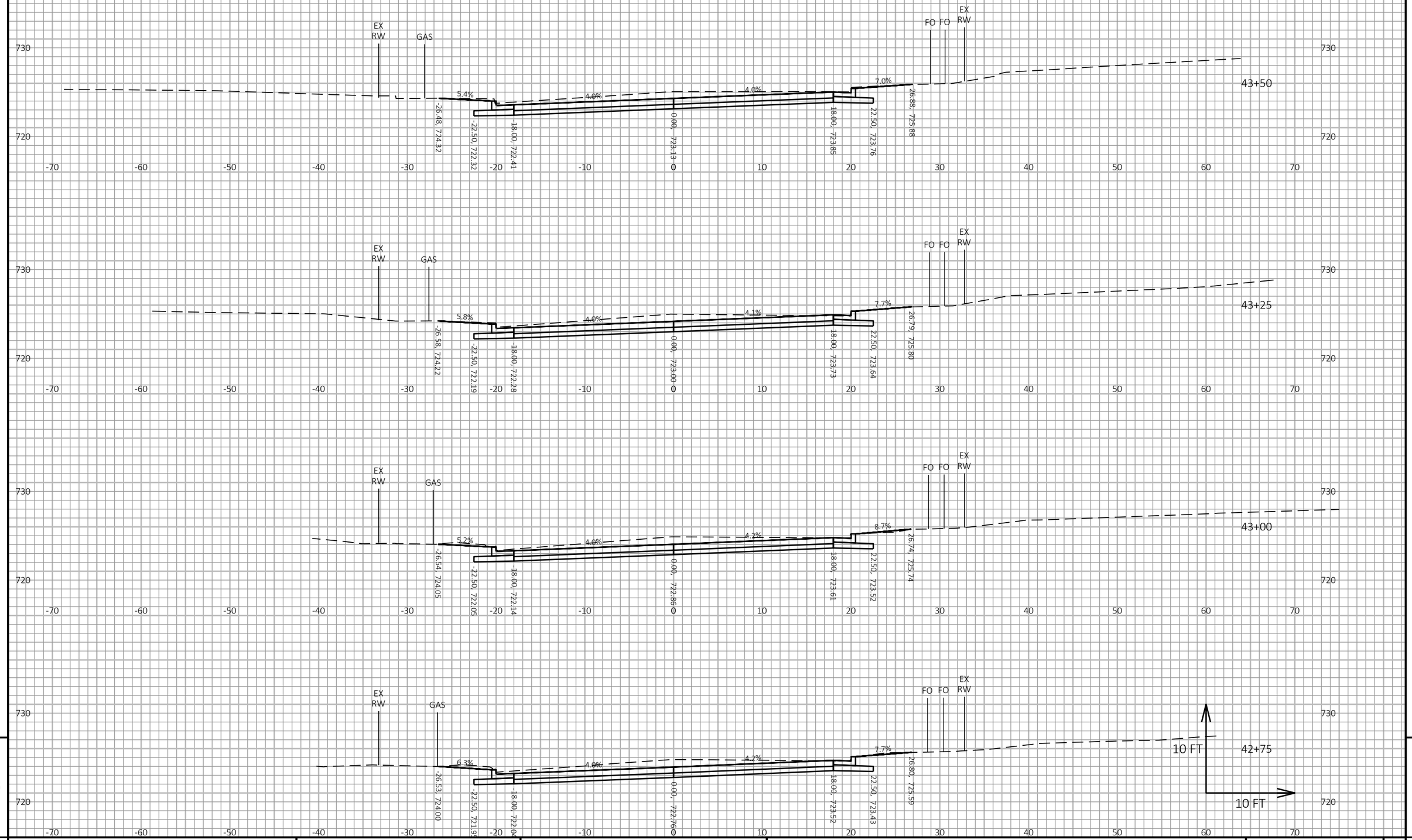
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 638	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 40

PLOT DATE : 1/7/2021 12:44 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 639	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 41

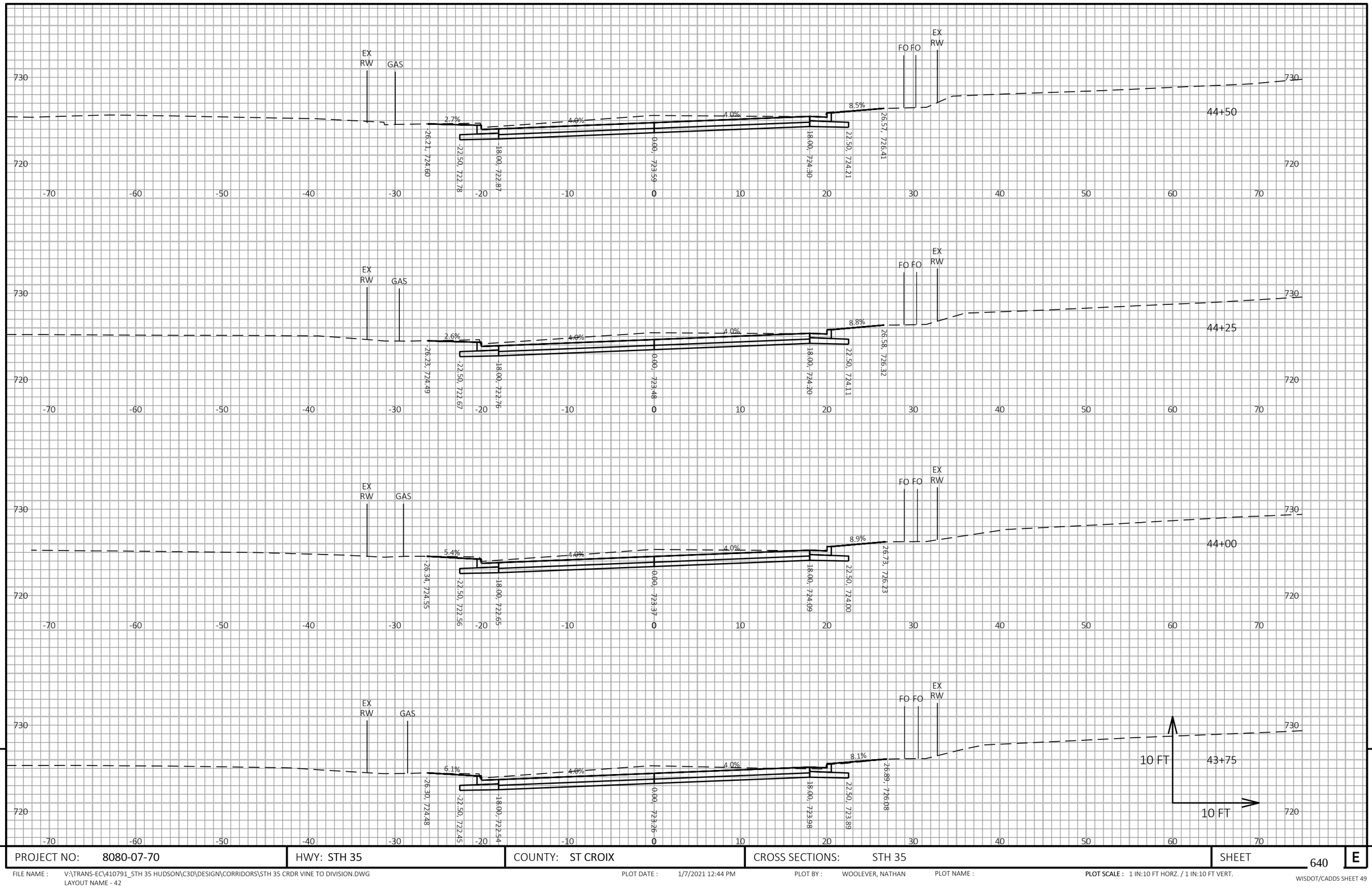
PLOT DATE : 1/7/2021 12:44 PM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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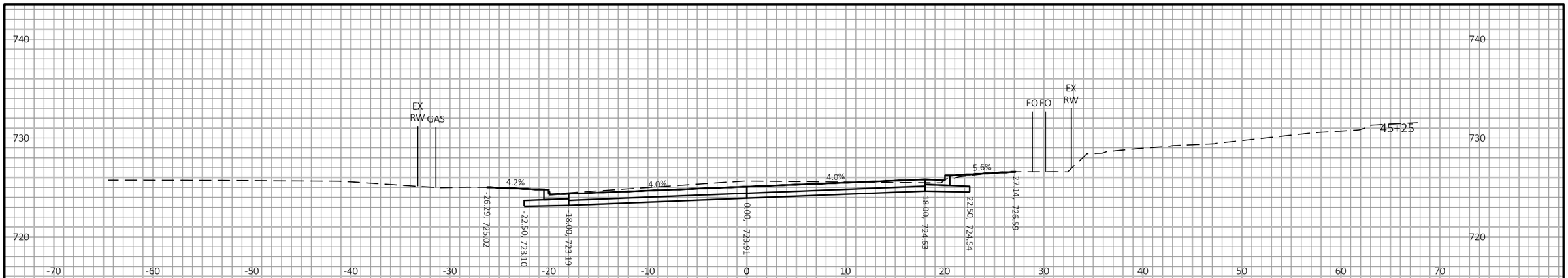
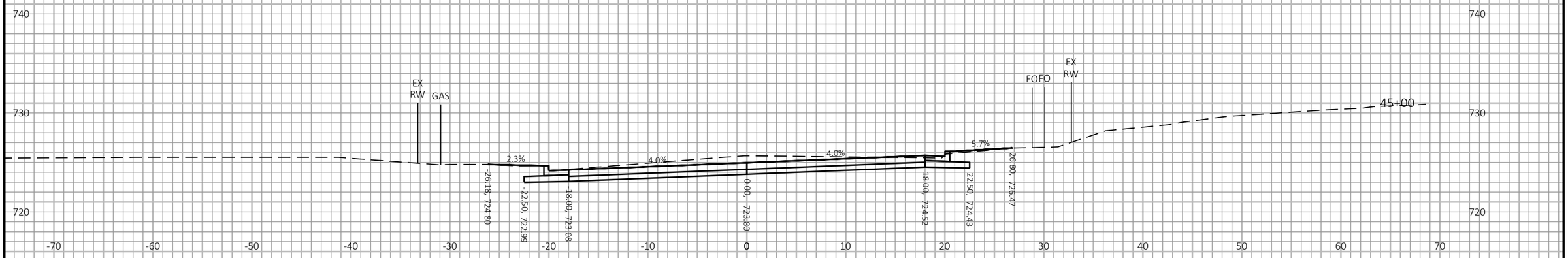
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 640	E

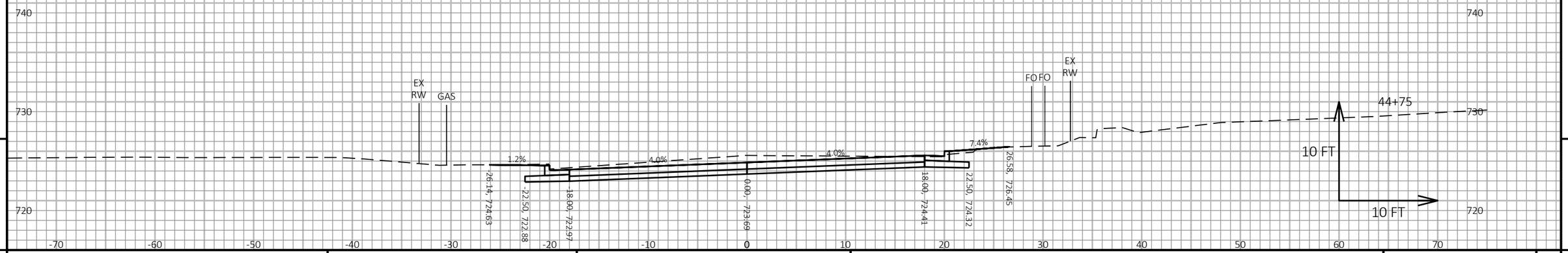
FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 42

PLOT DATE : 1/7/2021 12:44 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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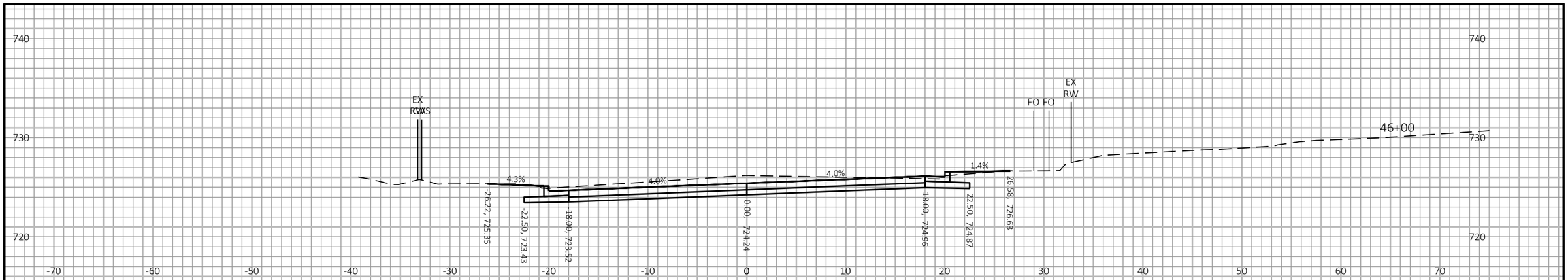
9

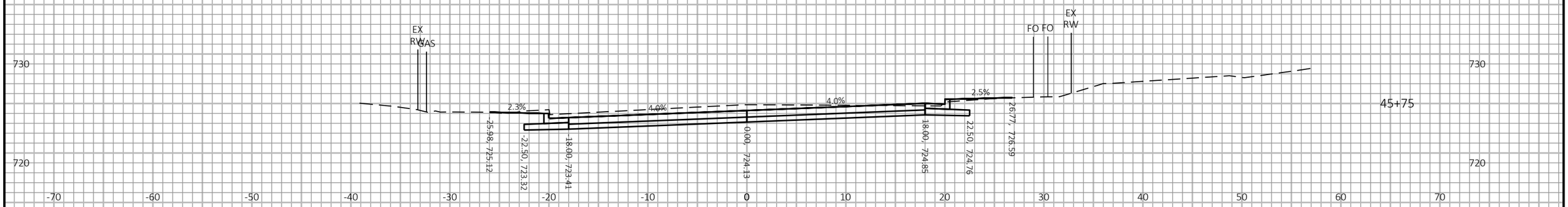
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 641	E

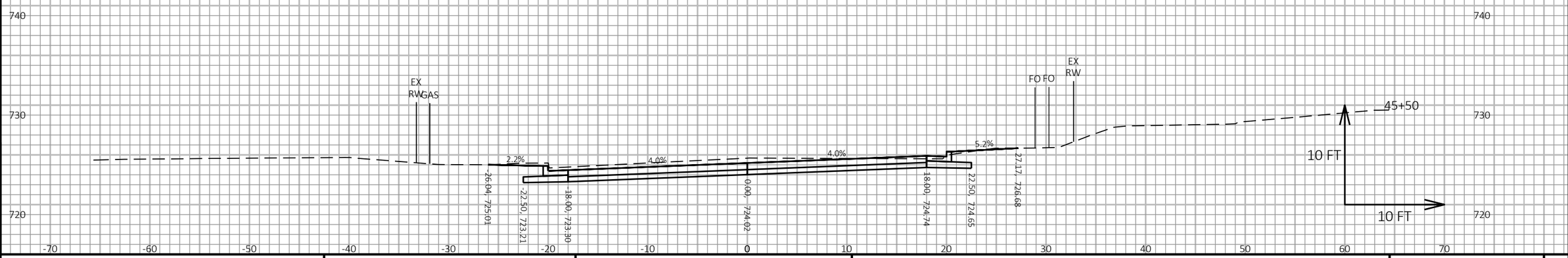
FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 43

PLOT DATE : 1/7/2021 12:44 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







9

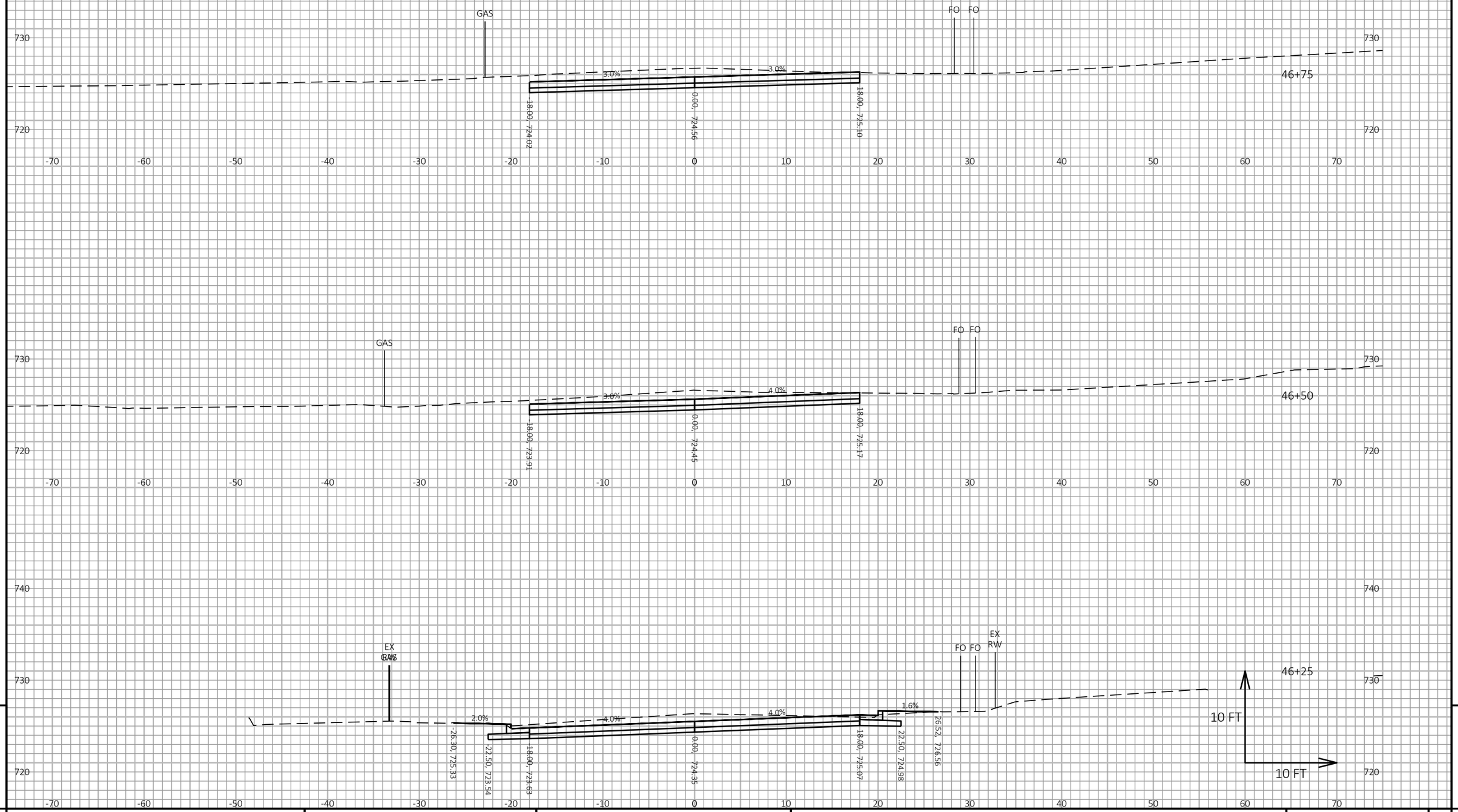
9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 642	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 44

PLOT DATE : 1/7/2021 12:44 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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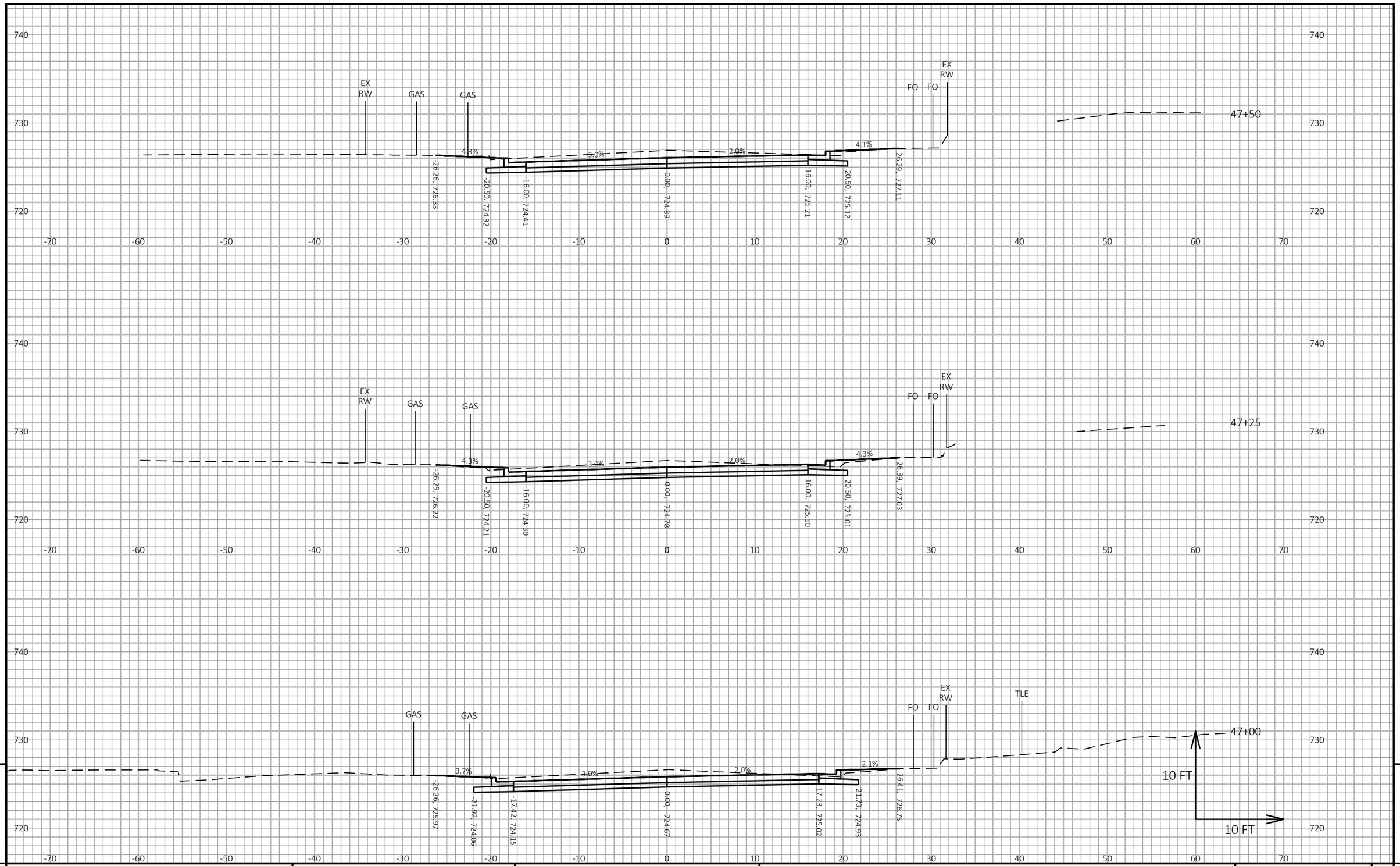
9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 643	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 45

PLOT DATE : 1/7/2021 12:44 PM PLOT BY : WOOLEVER, NATHAN 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: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 644	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 46

PLOT DATE : 7/22/2020 2:47 PM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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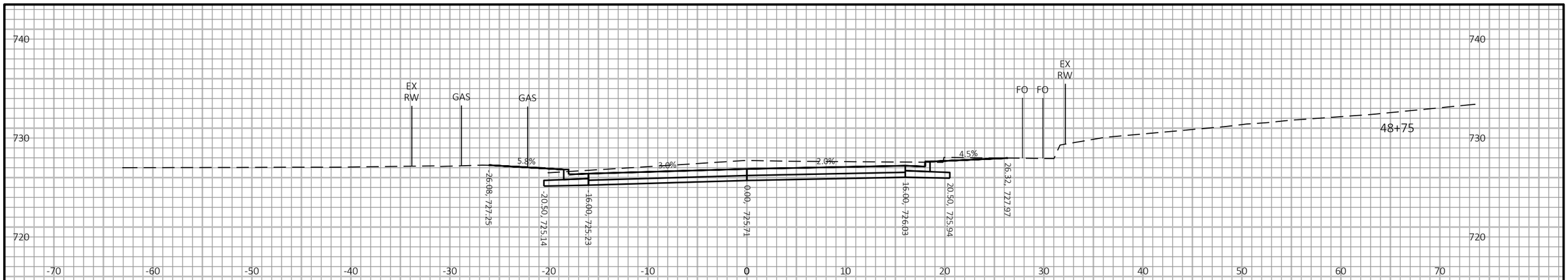
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 645	E

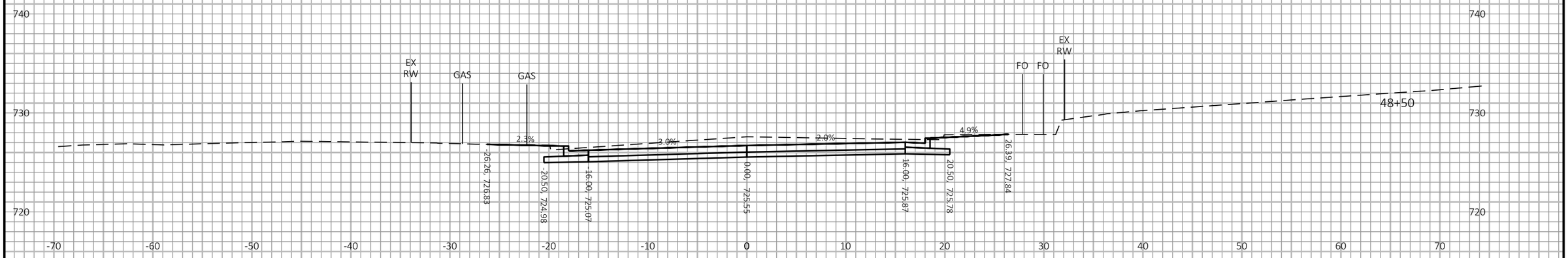
FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 47

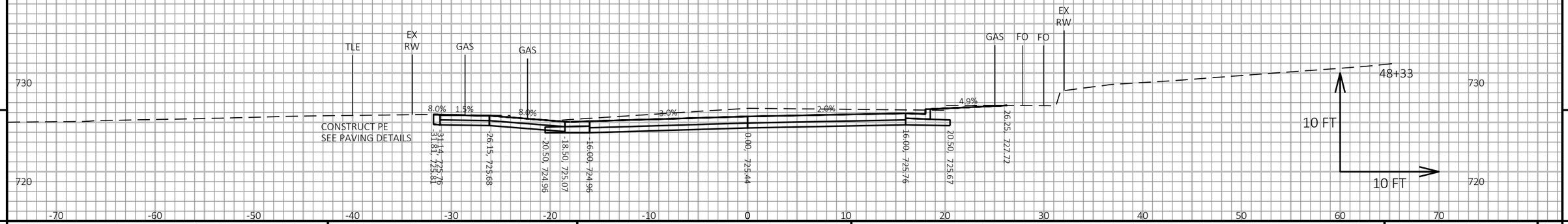
PLOT DATE : 7/22/2020 2:47 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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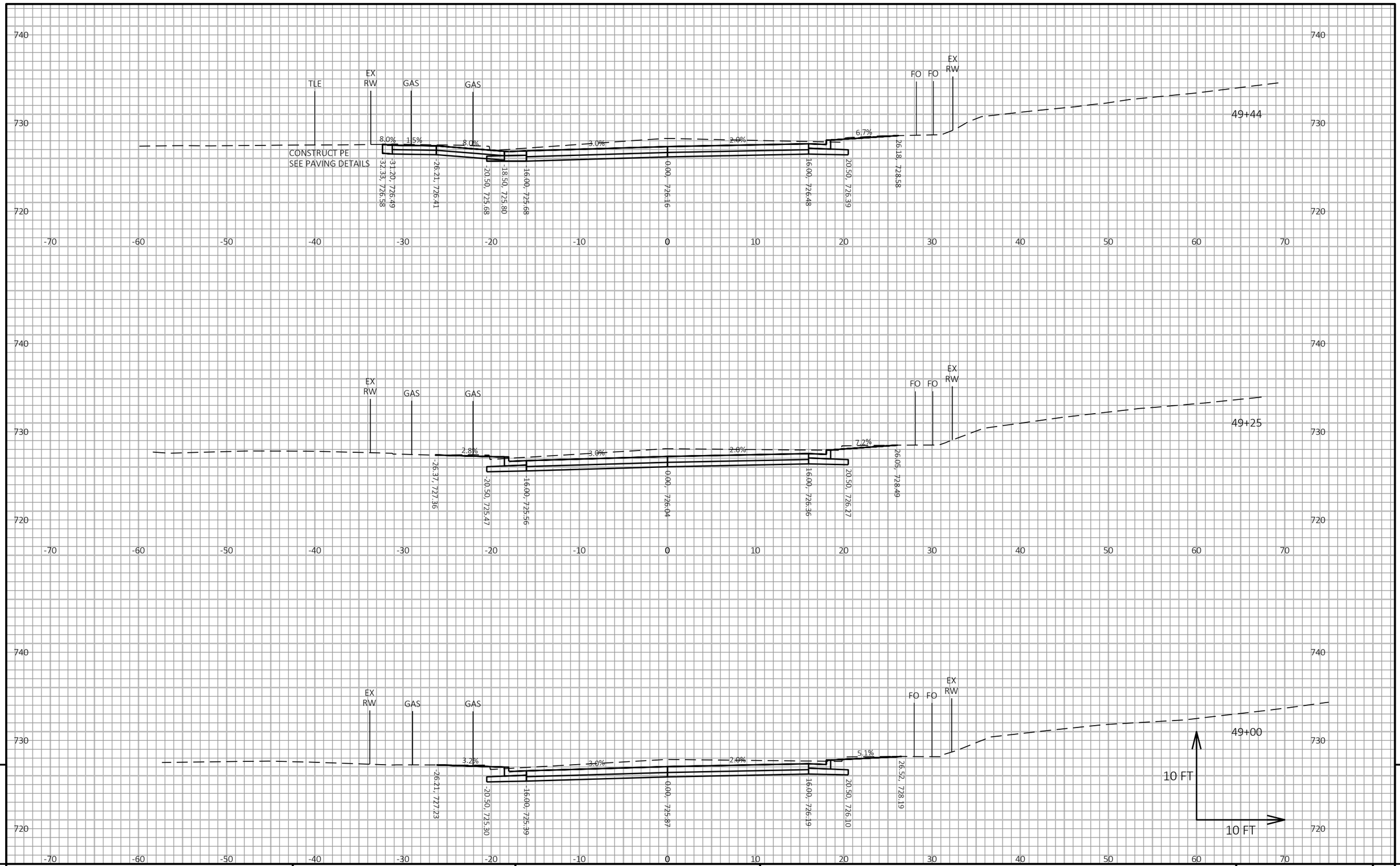
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 646	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 48

PLOT DATE : 7/22/2020 2:48 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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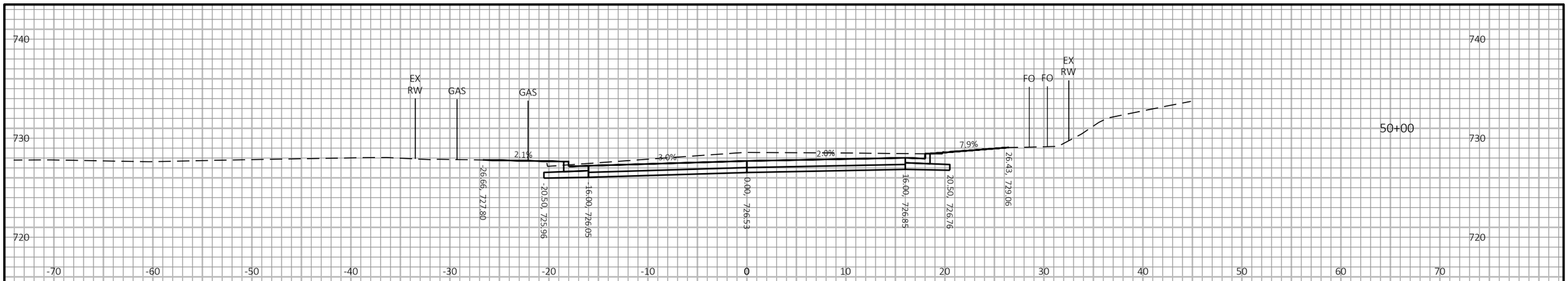
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 647	E

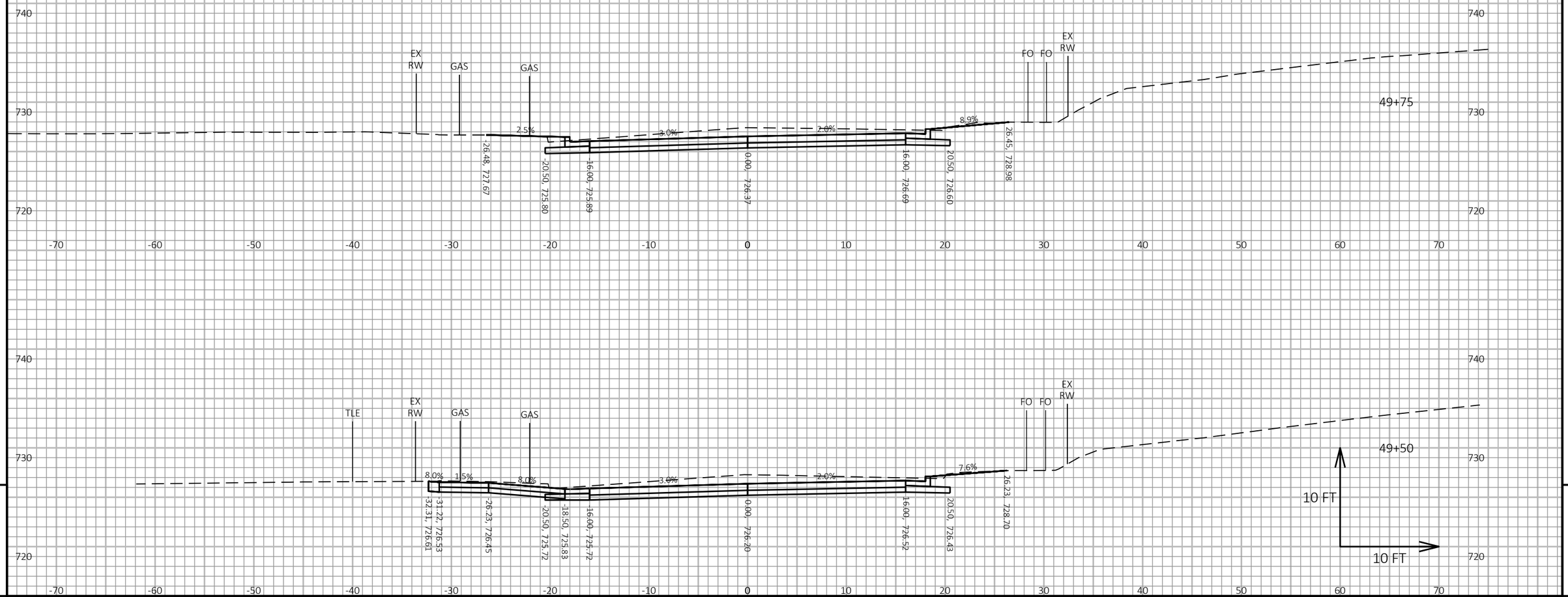
FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 49

PLOT DATE : 7/22/2020 2:48 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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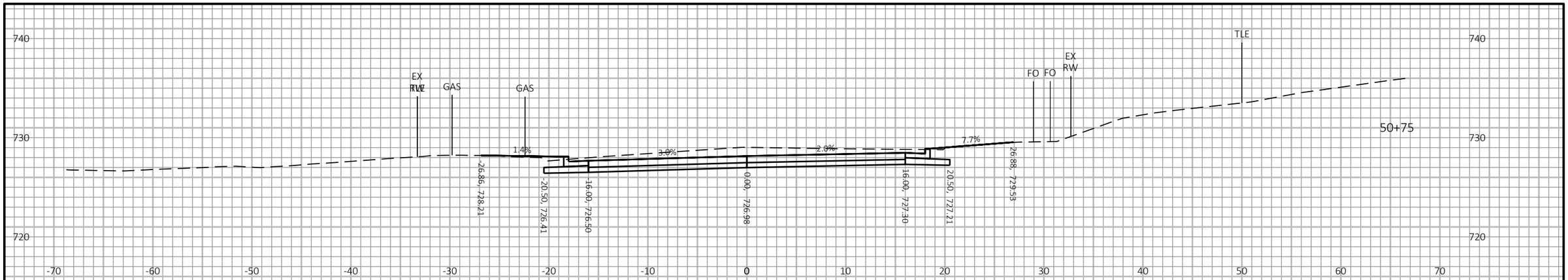
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 648	E

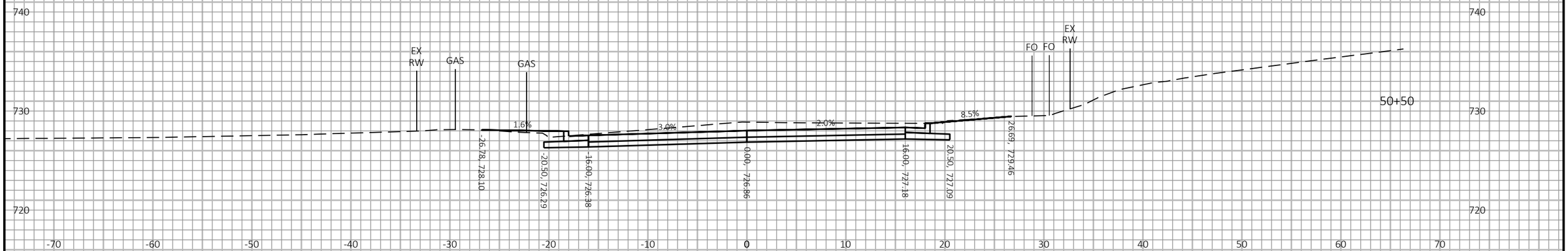
FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 50

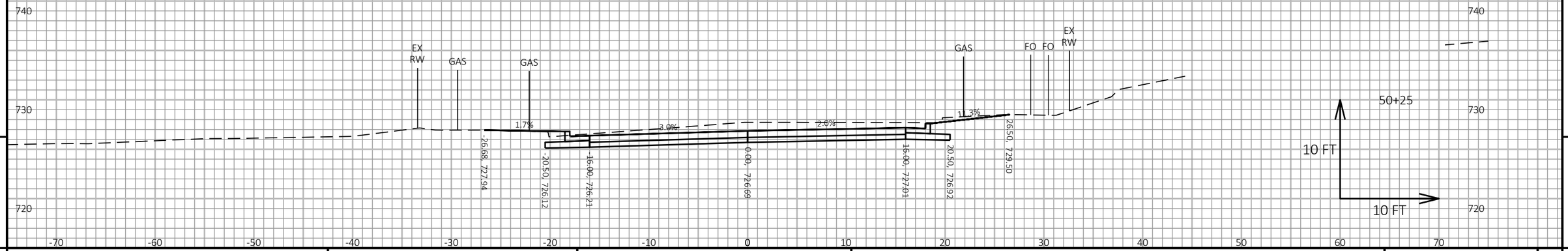
PLOT DATE : 7/22/2020 2:48 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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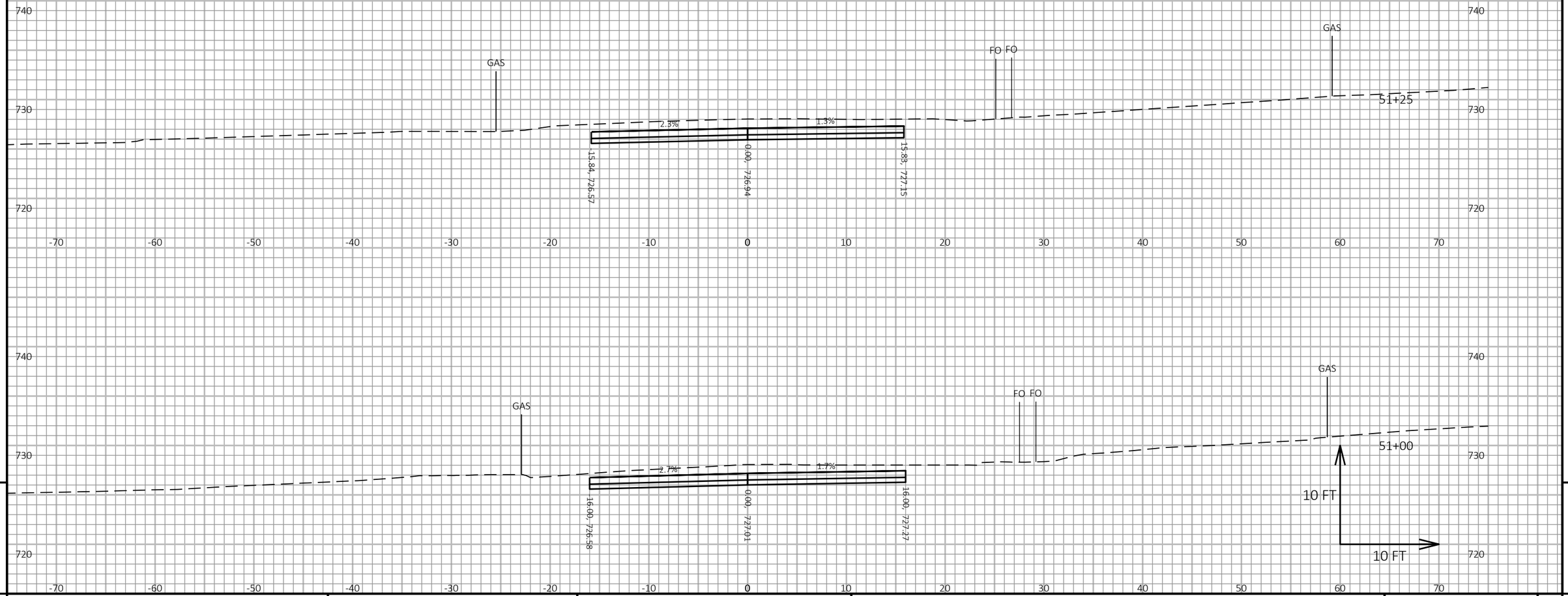
9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 649	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 51

PLOT DATE : 7/22/2020 2:48 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 650	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR VINE TO DIVISION.DWG
LAYOUT NAME - 52

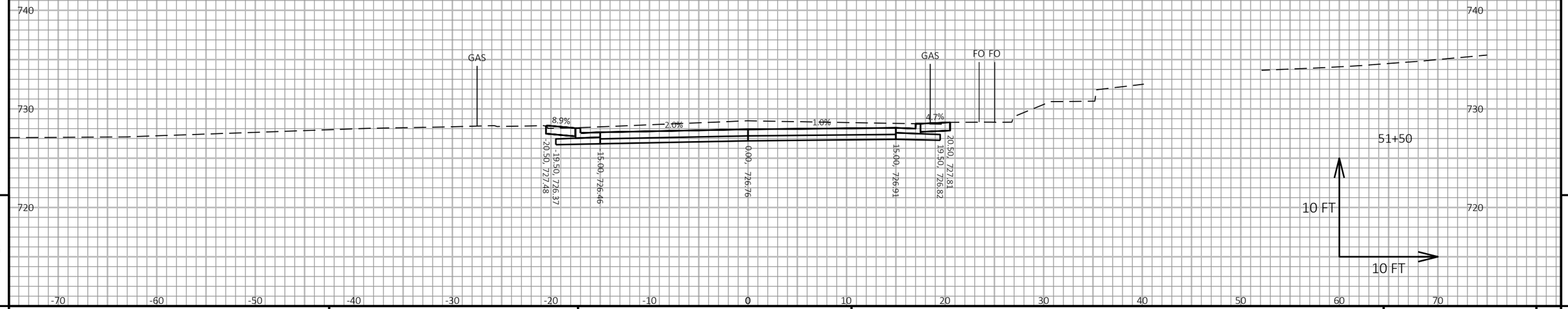
PLOT DATE : 7/23/2020 7:43 AM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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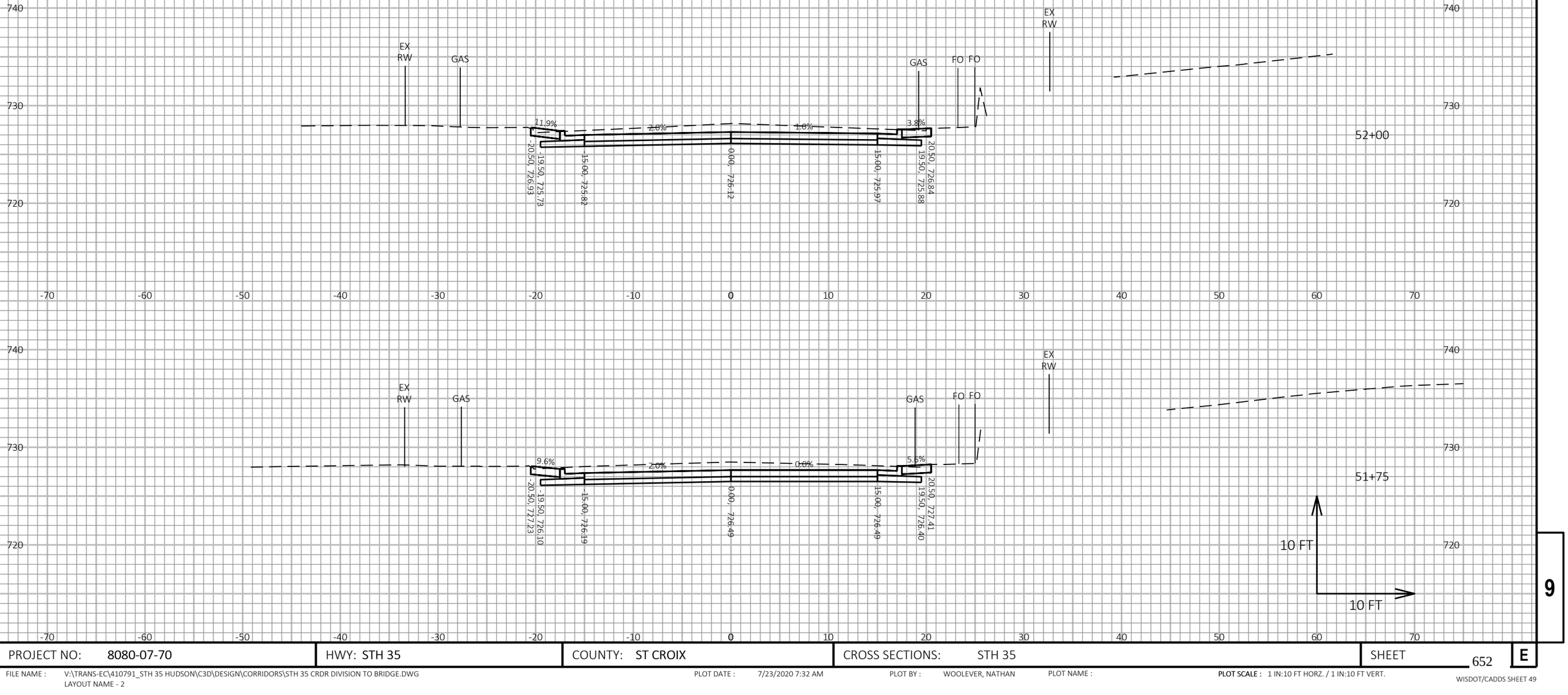
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 651	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 1

PLOT DATE : 7/23/2020 11:37 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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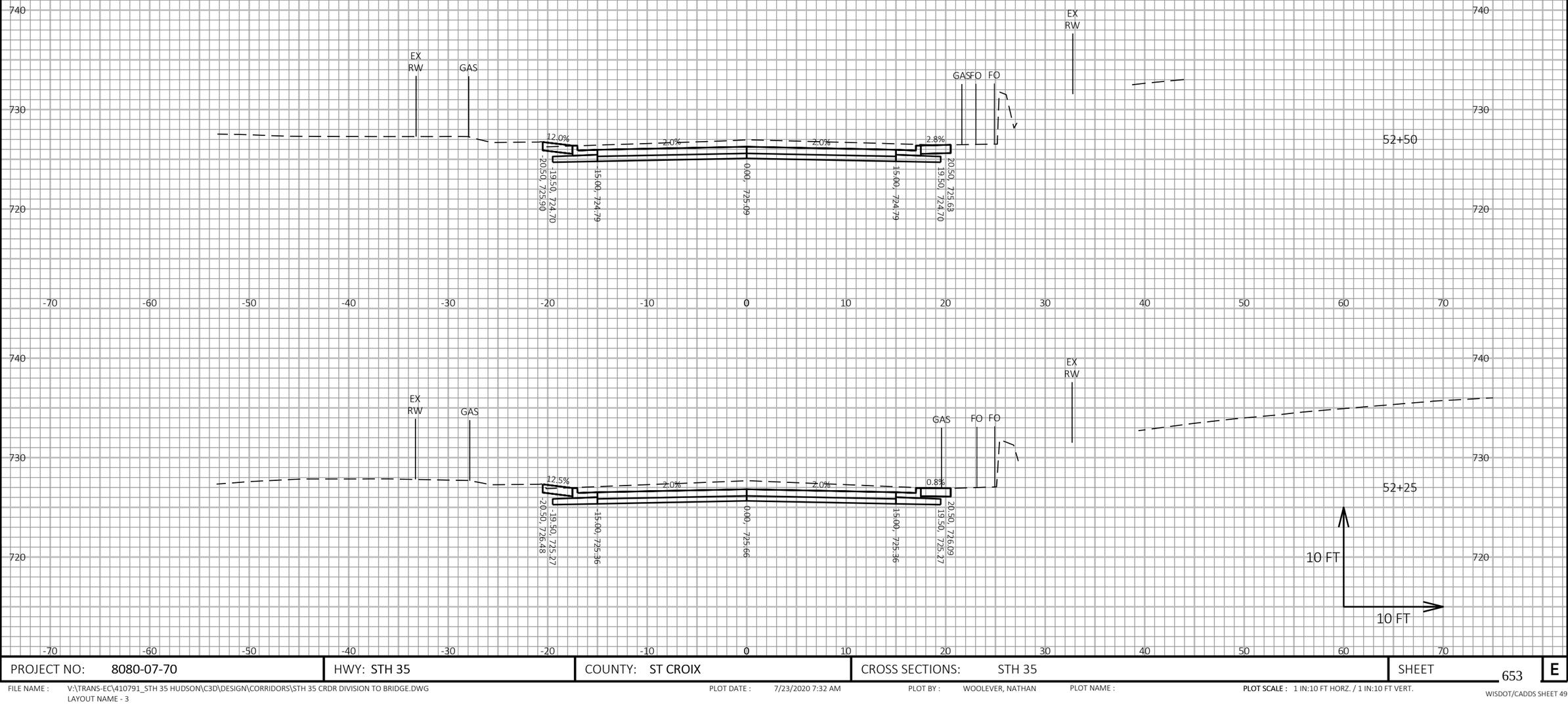
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 652	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 2

PLOT DATE : 7/23/2020 7:32 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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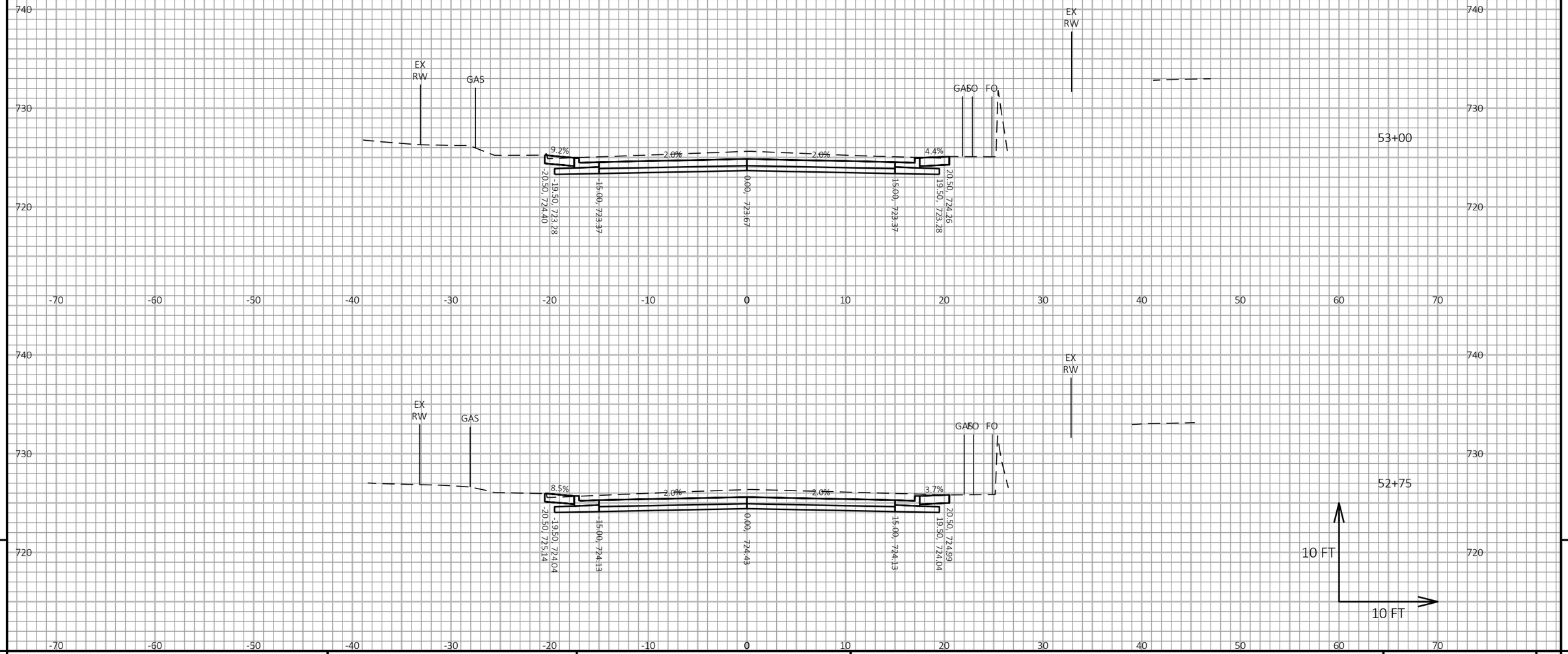
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 653	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 3

PLOT DATE : 7/23/2020 7:32 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

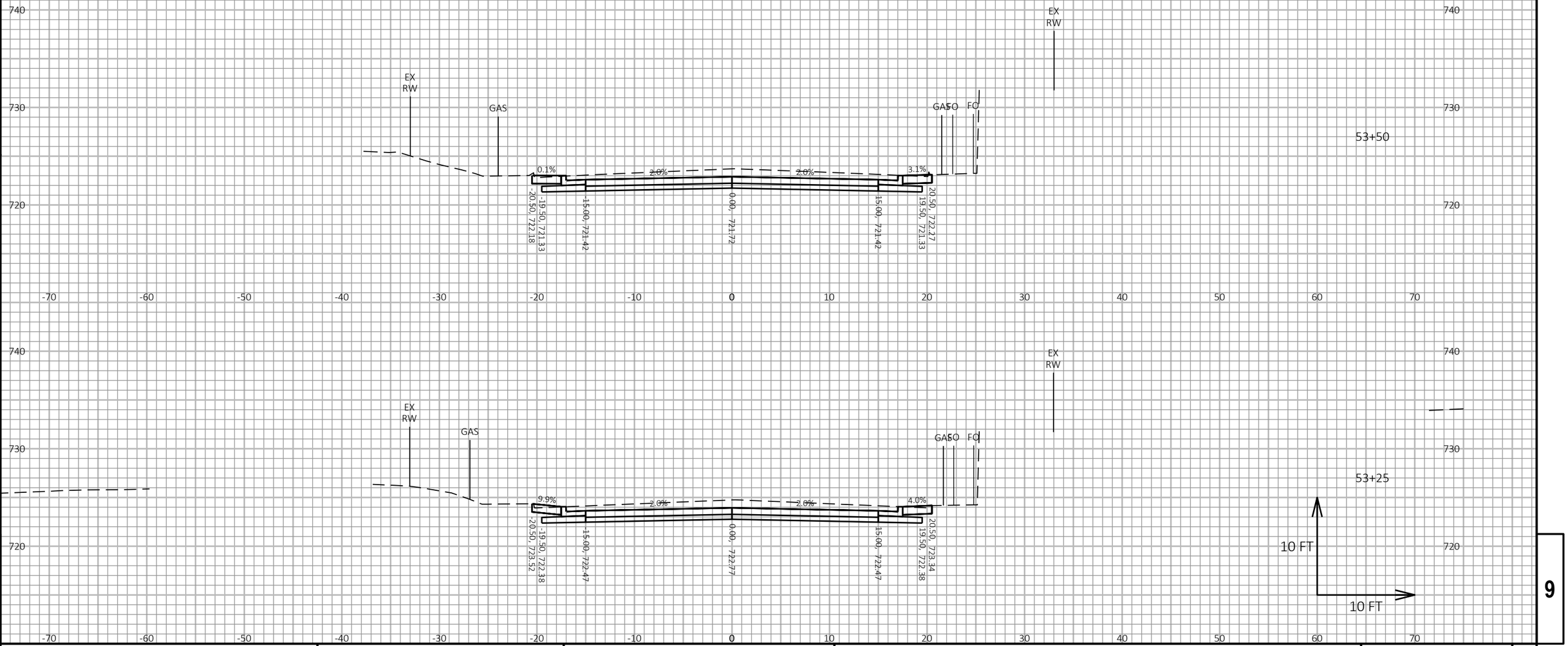
9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 654	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 4

PLOT DATE : 7/23/2020 7:33 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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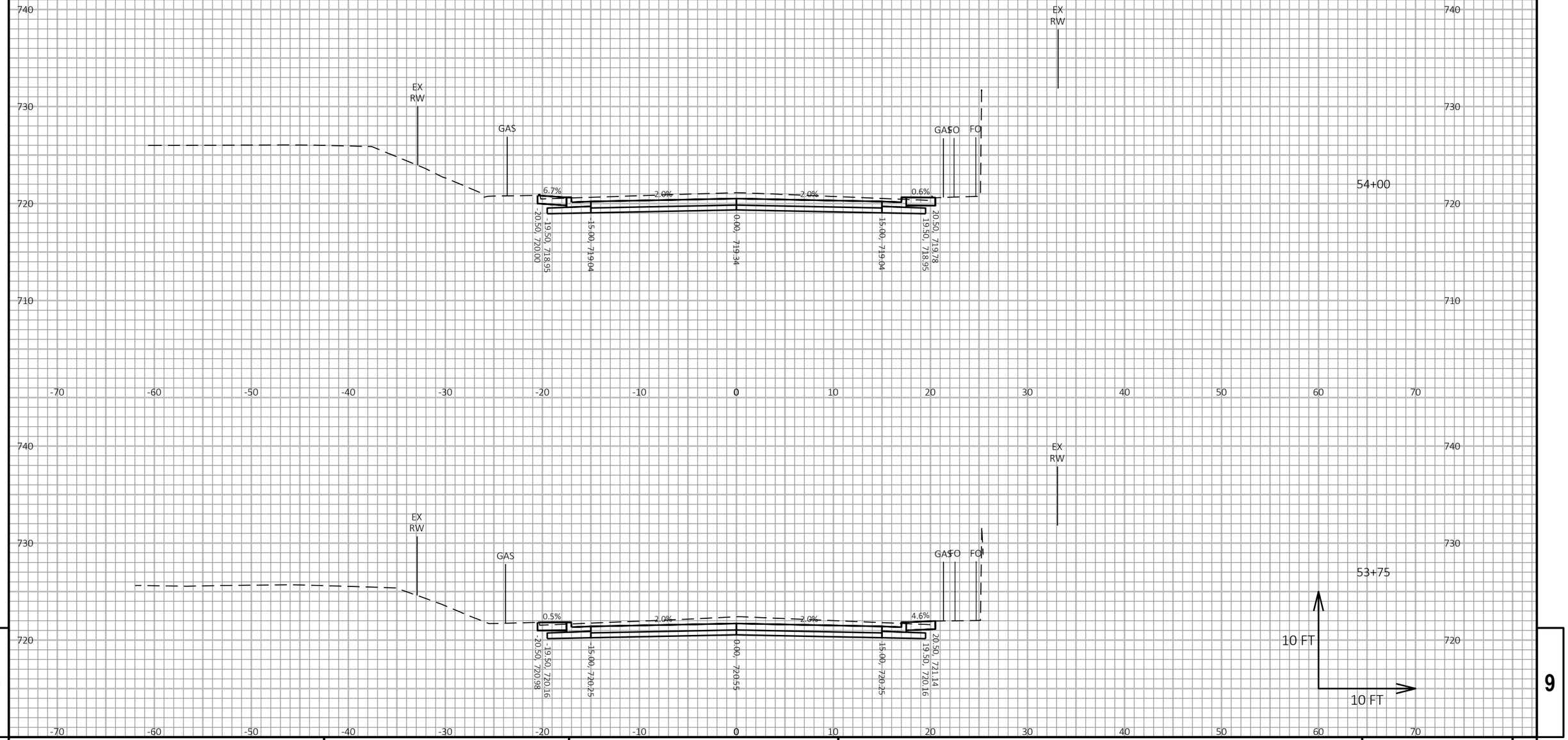
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 655	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 5

PLOT DATE : 7/23/2020 7:33 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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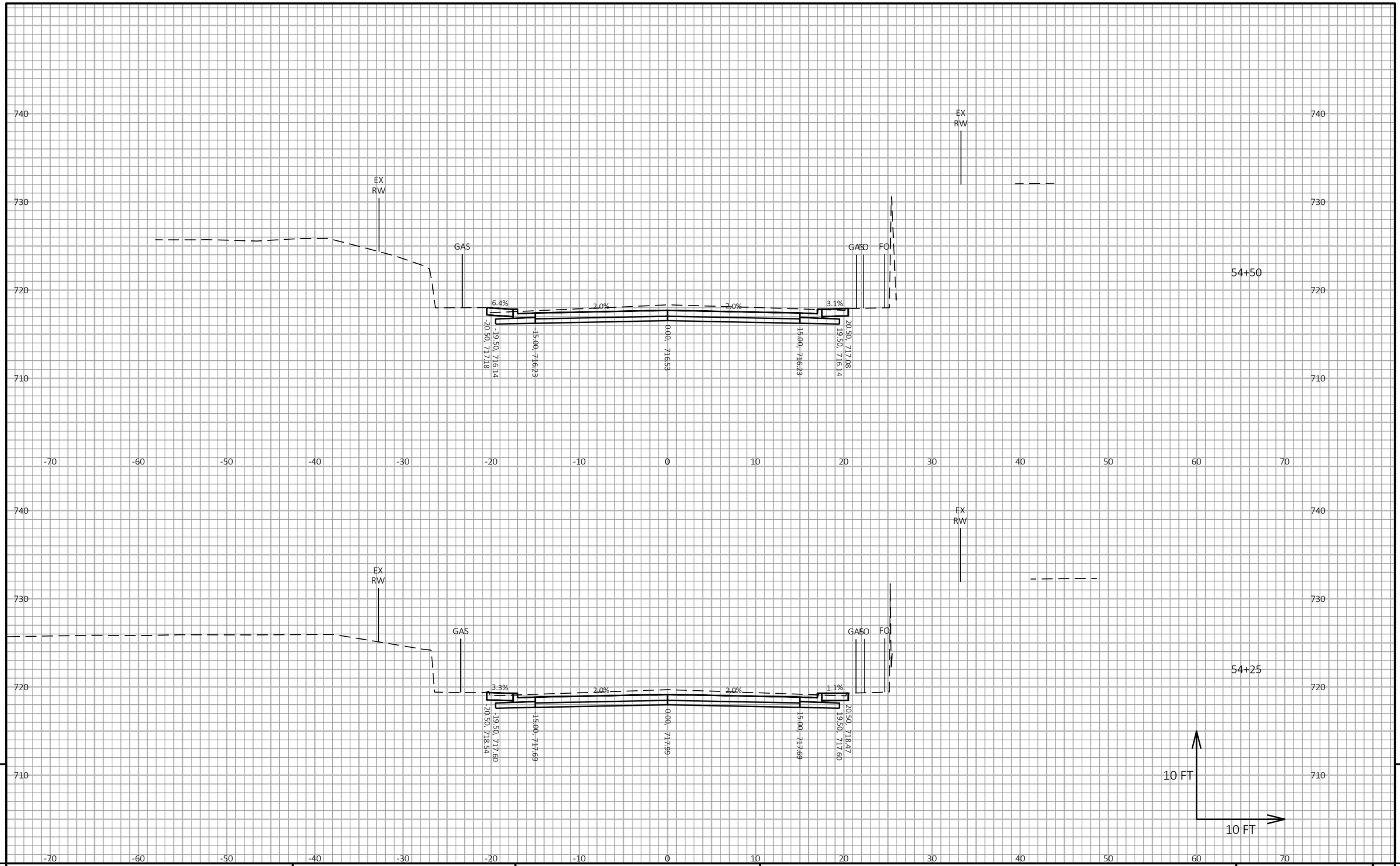
9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 656	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 6

PLOT DATE : 7/23/2020 7:33 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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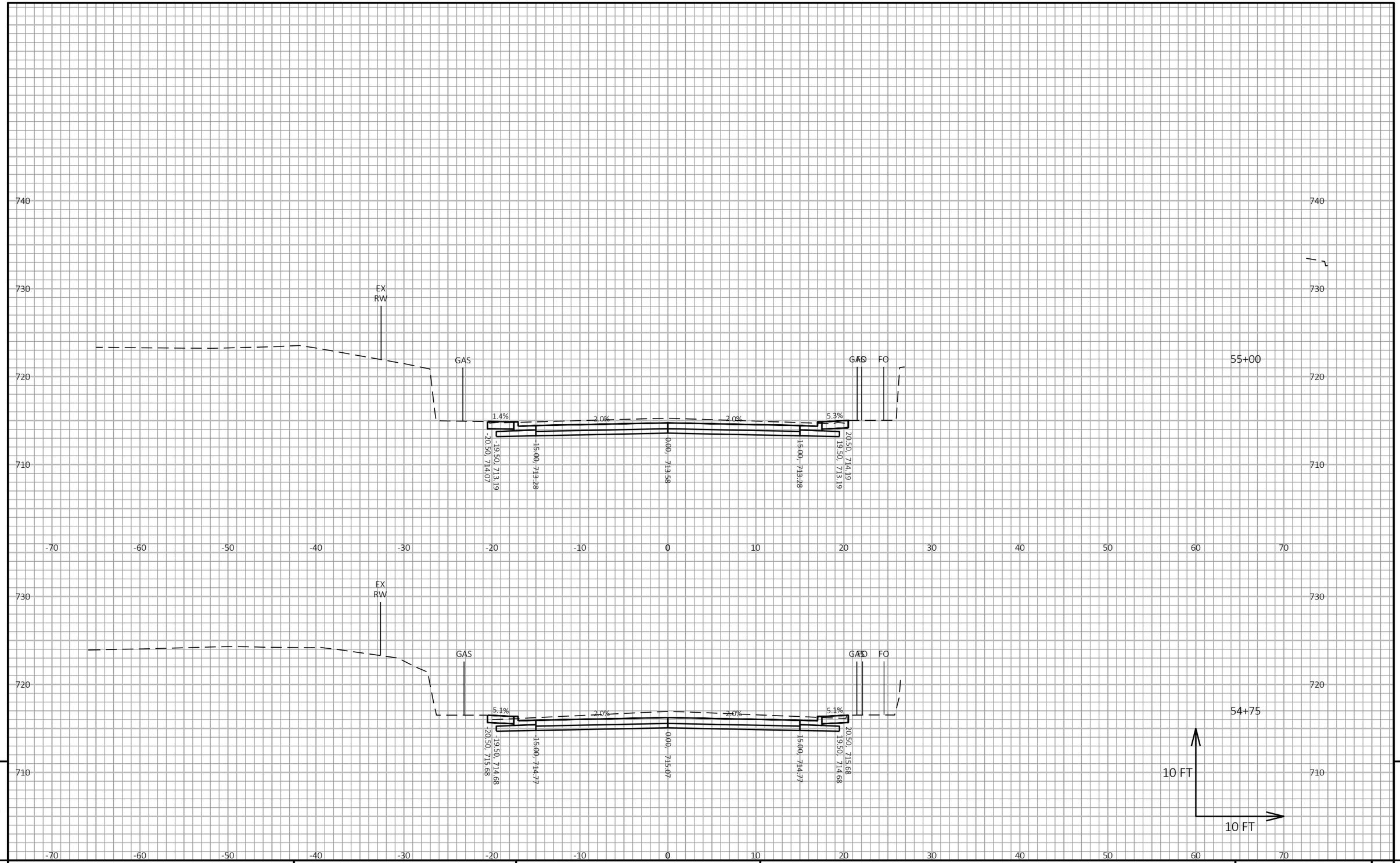
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 657	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 7

PLOT DATE : 7/23/2020 7:33 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

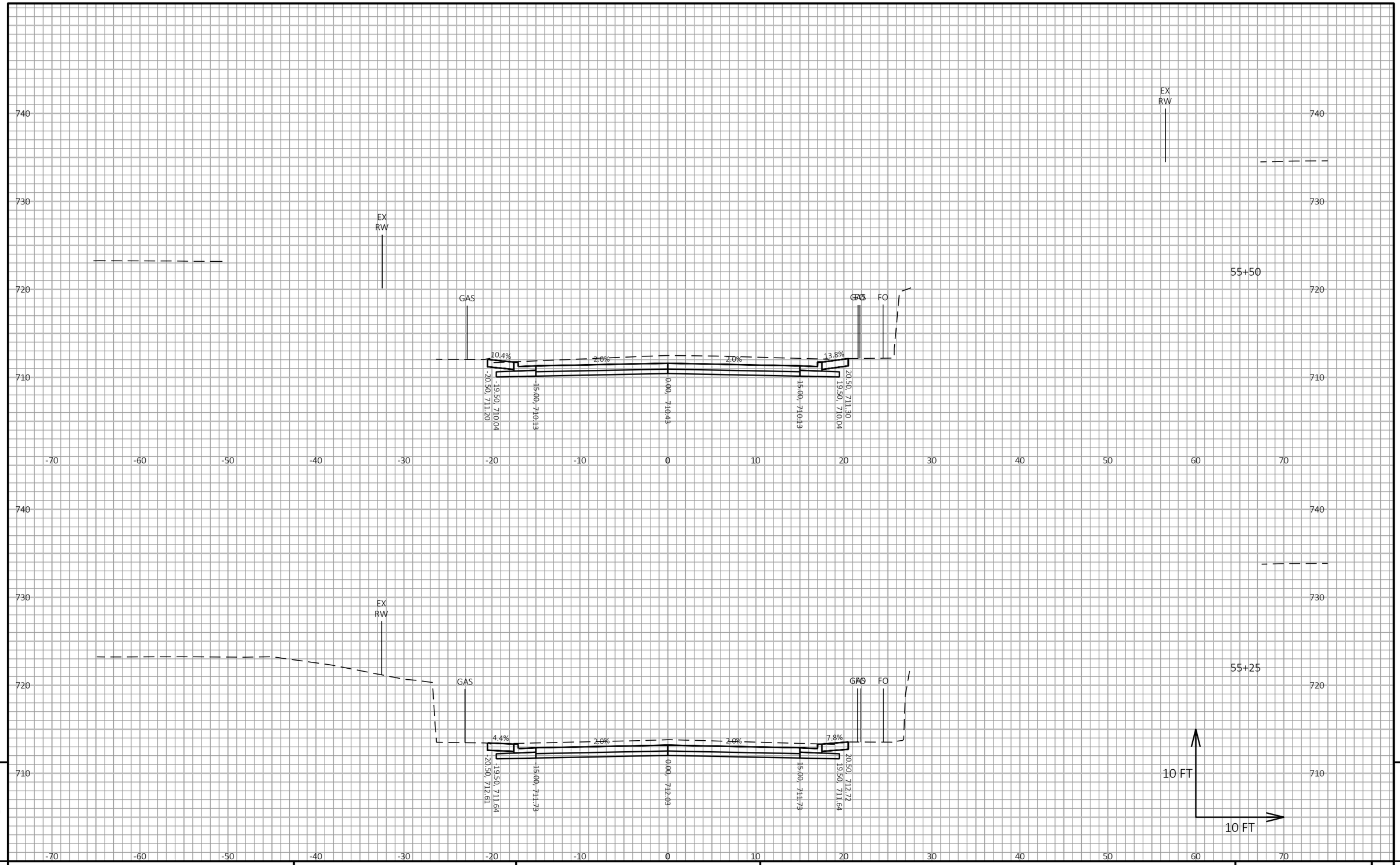


PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 658	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 8

PLOT DATE : 7/23/2020 7:33 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

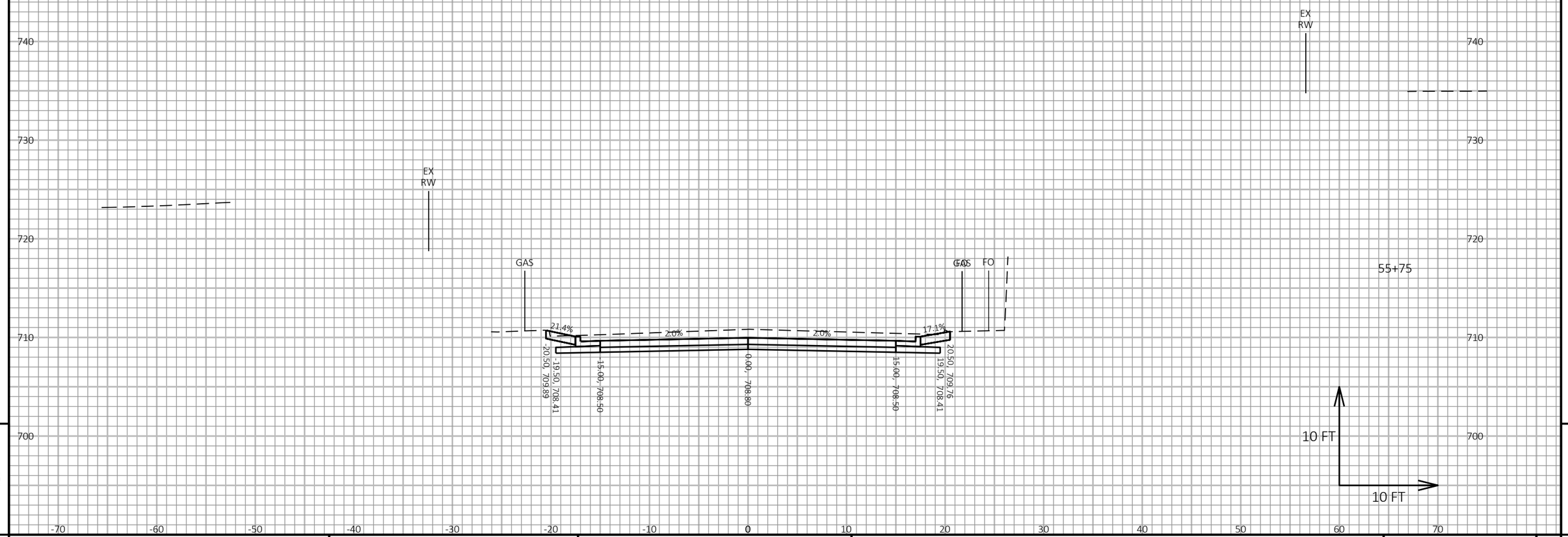
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 659	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 9

PLOT DATE : 7/23/2020 7:33 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



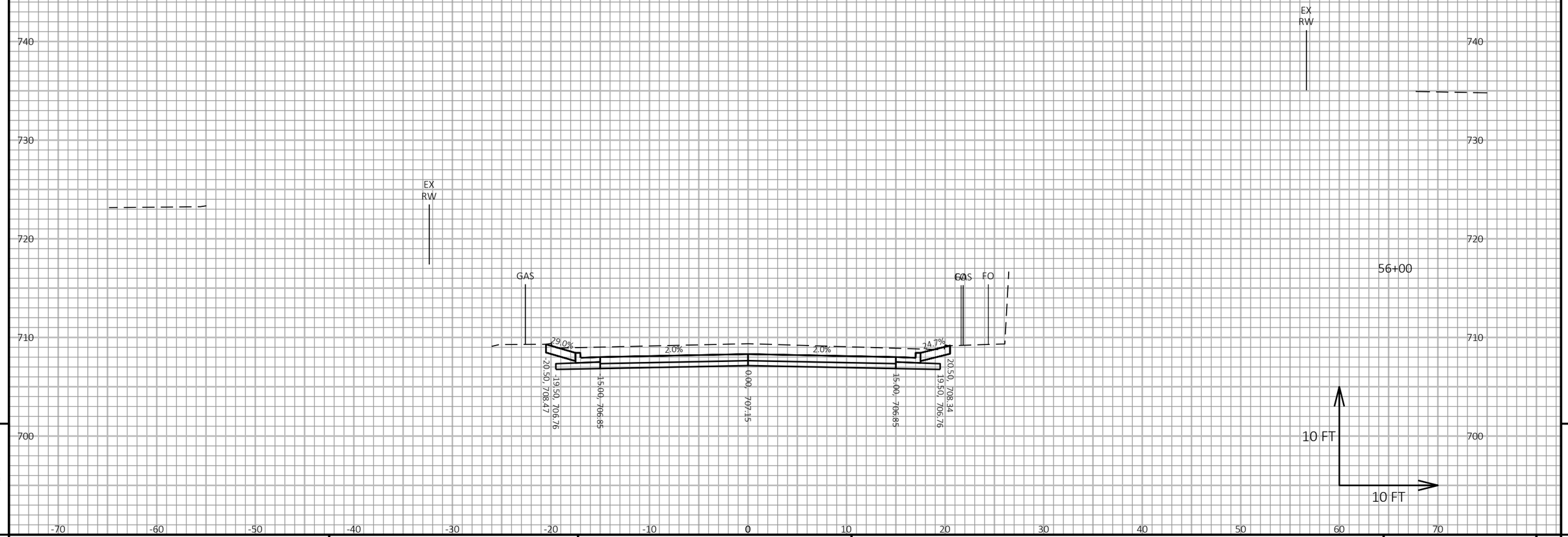
9

9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 660	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 10

PLOT DATE : 7/23/2020 7:33 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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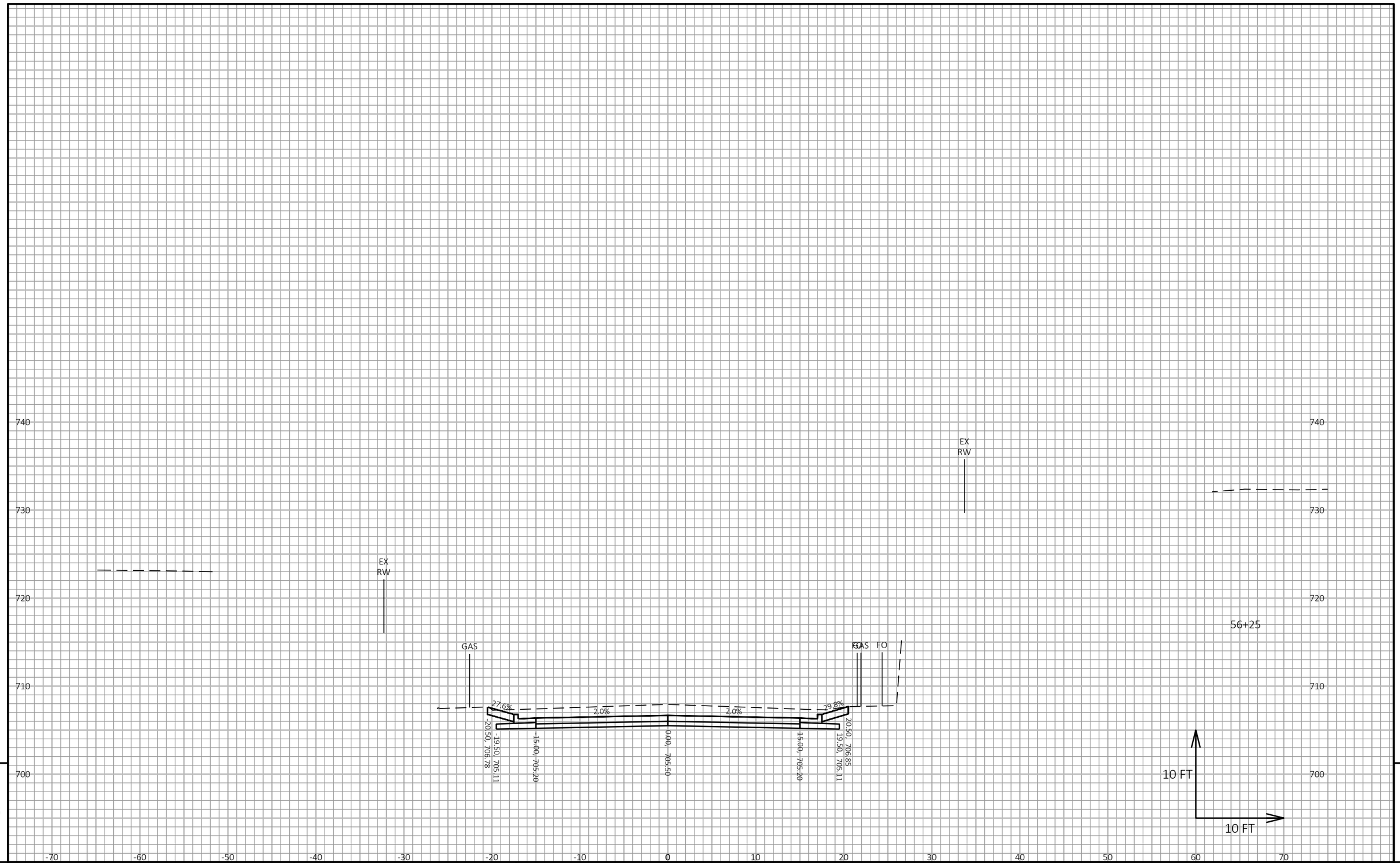
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 661	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 11

PLOT DATE : 7/23/2020 7:33 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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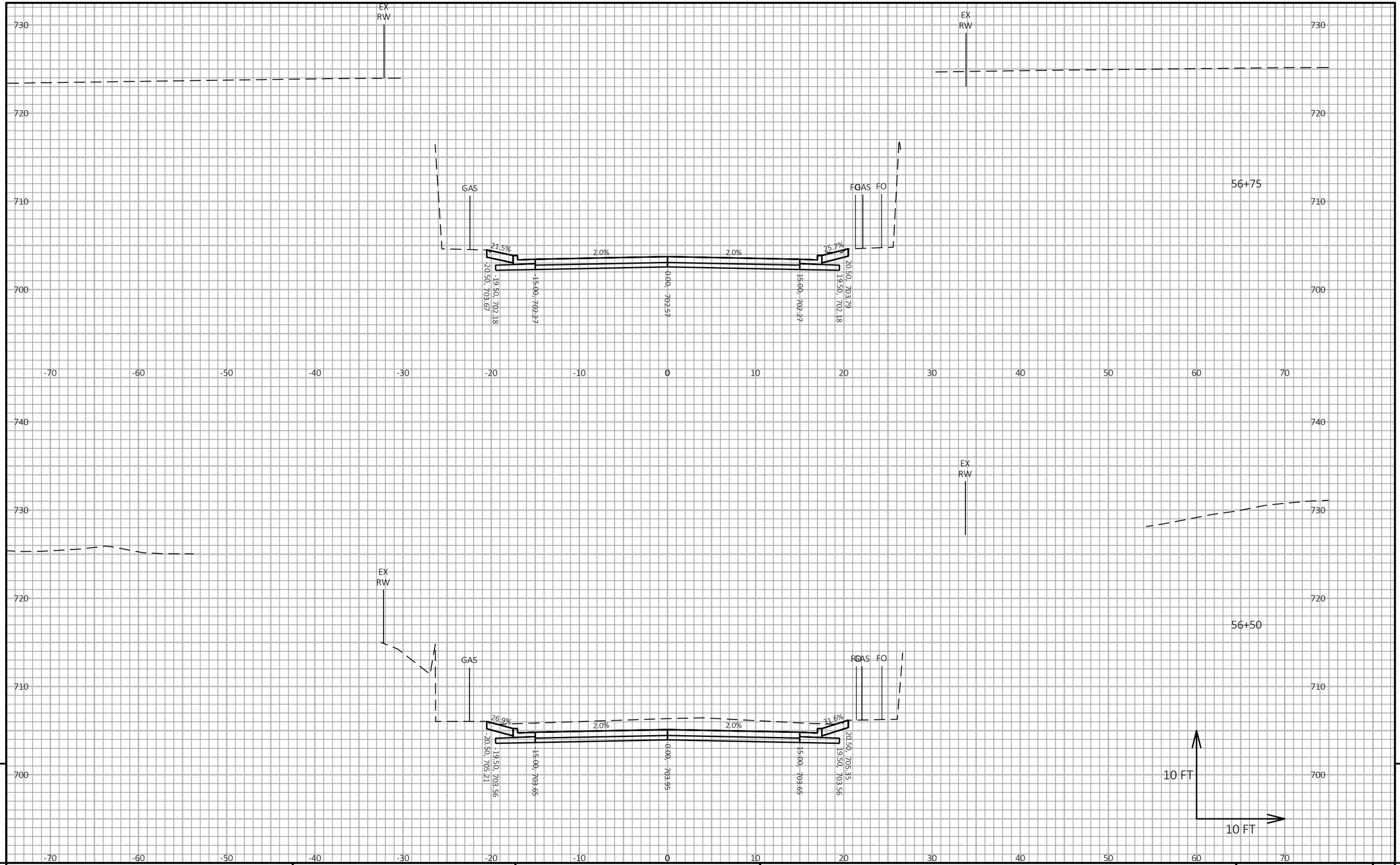
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 662	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 12

PLOT DATE : 7/23/2020 7:33 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

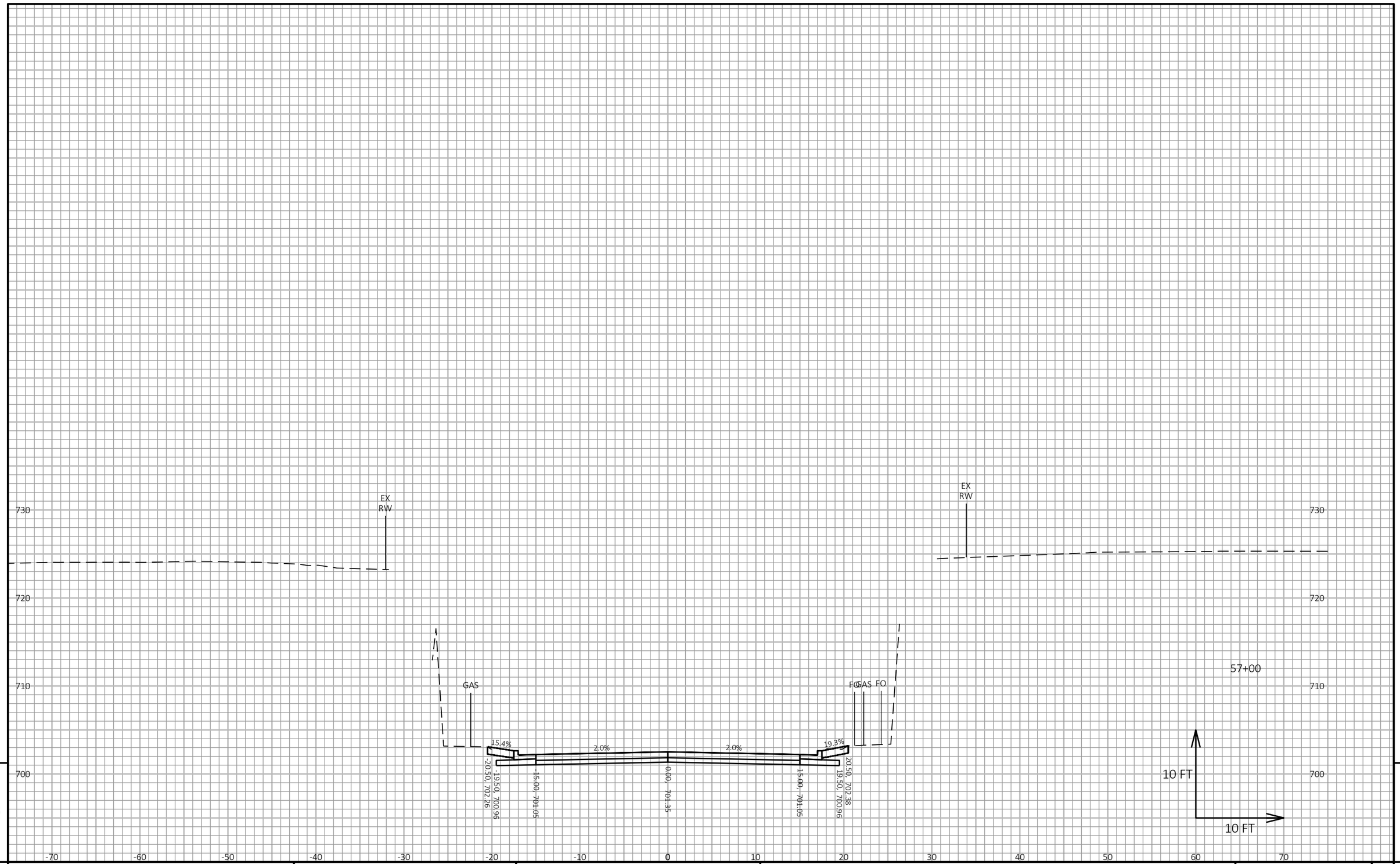
9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 663	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 13

PLOT DATE : 7/23/2020 7:33 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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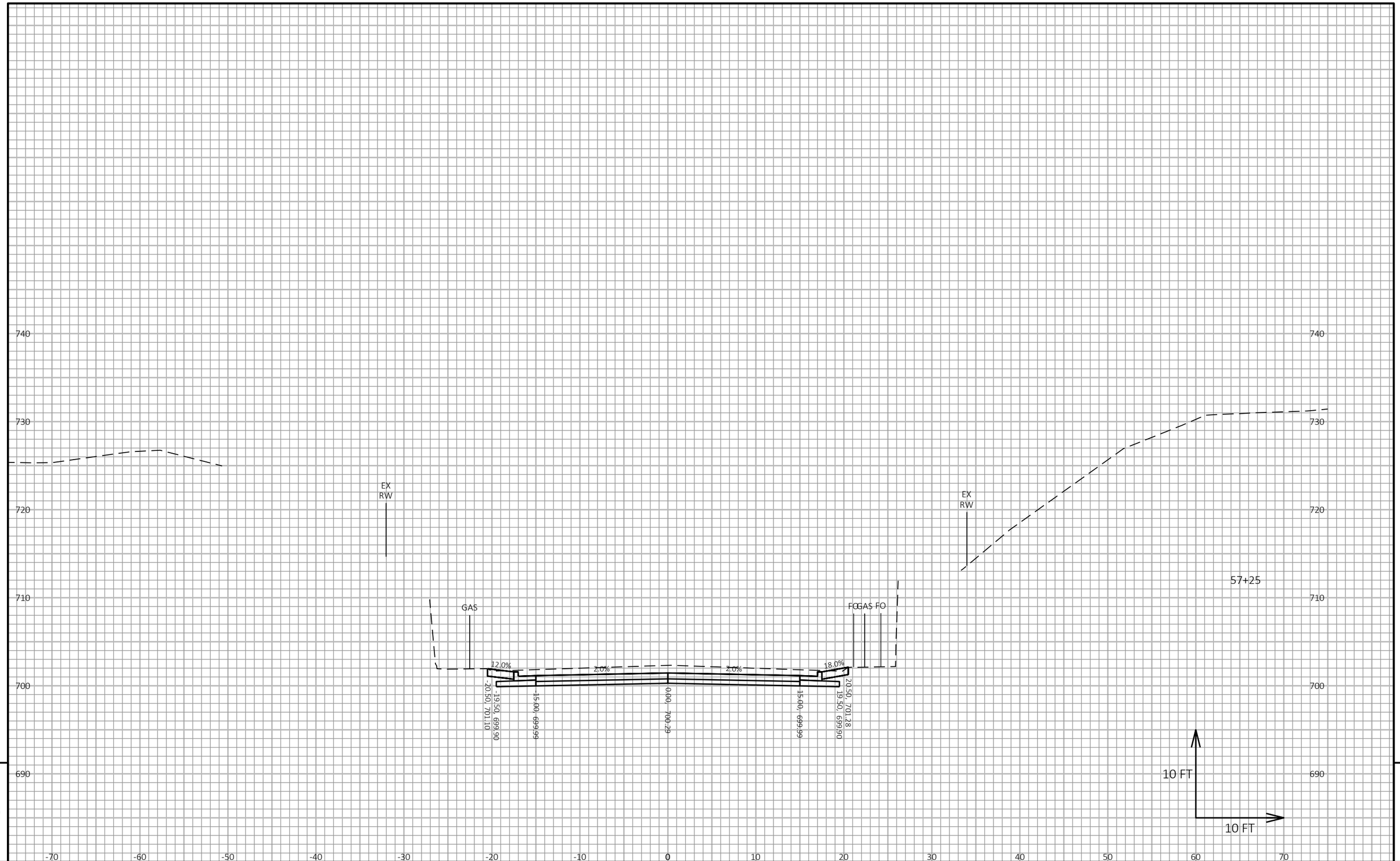
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 664	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 14

PLOT DATE : 7/23/2020 7:33 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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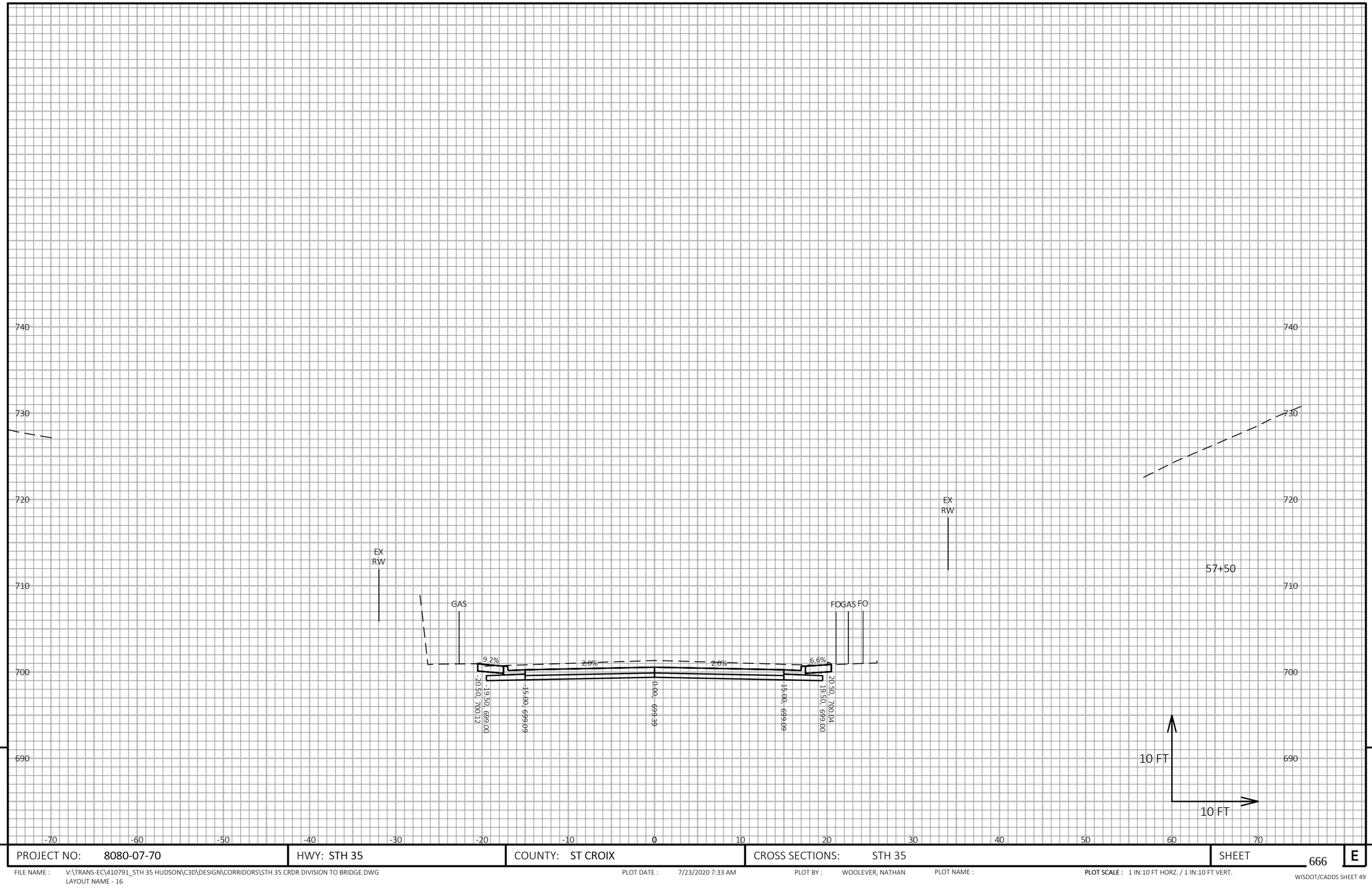
PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 665	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 15

PLOT DATE : 7/23/2020 7:33 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

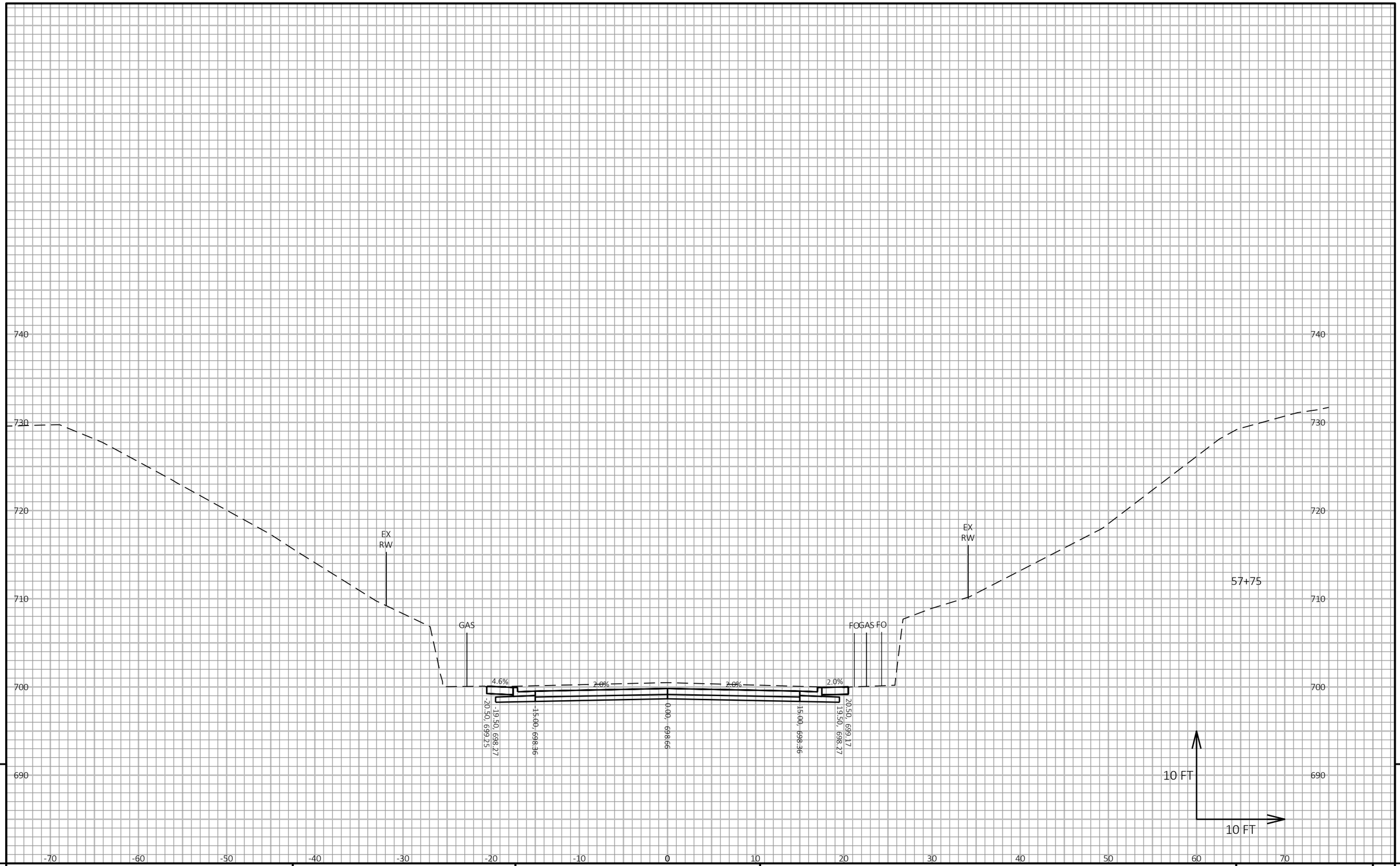
9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 666	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 16

PLOT DATE : 7/23/2020 7:33 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 667	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 17

PLOT DATE : 7/23/2020 7:33 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

740
730
720
710
700
690

EX RW
GAS
FO
GAS FO
EX RW

58+00

8.9%
2.0%
2.0%
2.9%

-20.50, 698.82
-19.50, 697.71
-15.00, 697.80
0.00, 698.10
15.00, 697.80
19.50, 697.71
20.50, 698.64

10 FT
10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 668	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 18

PLOT DATE : 7/23/2020 7:33 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

740
730
720
710
700
690

EX RW
GAS
FO
GAS
FO
EX RW

11.7%
2.0%
2.0%
4.0%

-20.50, 698.49
-19.50, 697.30
-15.00, 697.39
0.00, 697.69
15.00, 697.39
19.50, 697.30
20.50, 698.27

58+25

10 FT
10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 669	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 19

PLOT DATE : 7/23/2020 7:33 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

740
730
720
710
700
690

EX RW
GAS
FO GAS FO
EX RW
58+50

10.8%
2.0%
2.0%
1.2%

-20.50, 698.23
-19.50, 697.06
-15.00, 697.15
0.00, 697.45
15.00, 697.15
19.50, 697.06
20.50, 697.94

10 FT
10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

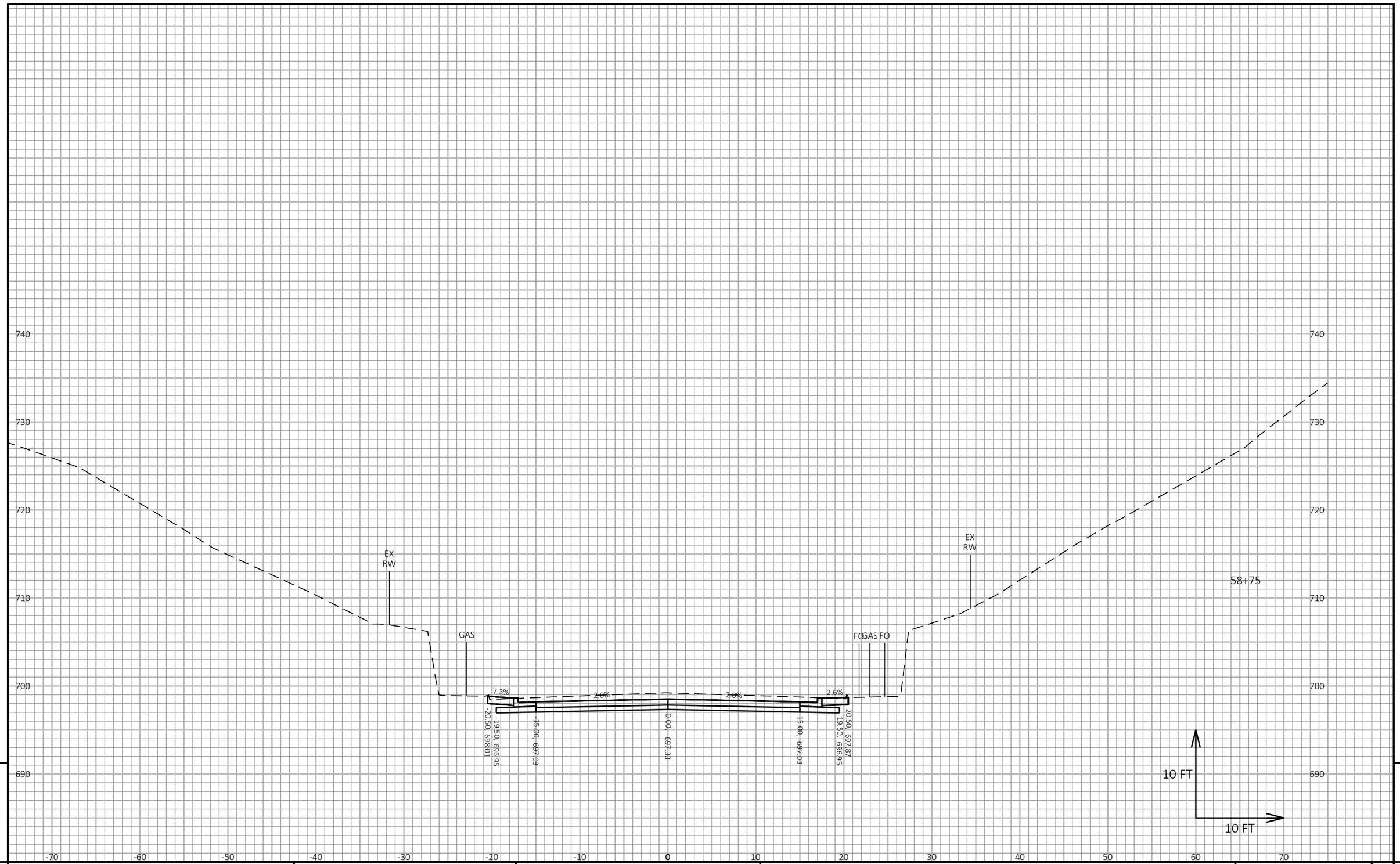
9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 670	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 20

PLOT DATE : 7/23/2020 7:33 AM PLOT BY : WOOLEVER, NATHAN 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: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 671	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 21

PLOT DATE : 7/23/2020 7:34 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

740
730
720
710
700
690

EX RW
GAS
5.9%
2.0%
2.0%
2.8%
FO
GAS
FO
EX RW
59+00
-20.50, 697.85
-19.50, 696.83
-15.00, 696.92
0.00, 697.23
15.00, 696.93
19.50, 696.84
20.50, 697.76
10 FT
10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 672	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 22

PLOT DATE : 7/23/2020 7:34 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

700

690

EX
RW

GAS

7.3%

2.0%

2.0%

5.5%

FO GAS FO

EX
RW

730

720

710

700

690

59+25

-20.50, 697.79

-19.50, 696.72

-15.00, 696.81

0.00, 697.12

15.09, 696.82

19.59, 696.73

20.93, 697.75

10 FT

10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

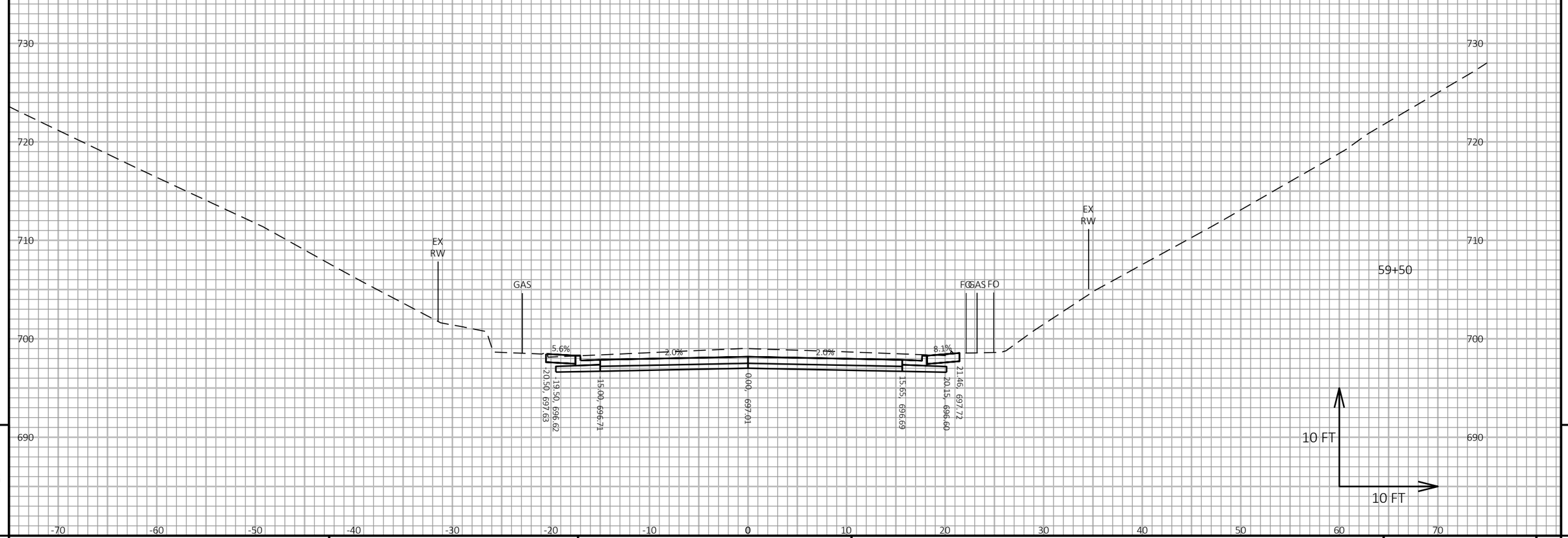
9

9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 673	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 23

PLOT DATE : 7/23/2020 7:34 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 674	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 24

PLOT DATE : 7/23/2020 7:34 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

700

690

EX RW

GAS

4.9%

2.0%

2.0%

9.7%

FO GAS FO

EX RW

59+75

20.50, 697.50

19.50, 696.51

15.00, 696.60

0.00, 696.90

16.21, 696.57

20.71, 696.48

21.99, 697.65

10 FT

10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 675	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 25

PLOT DATE : 7/23/2020 7:34 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

700

690

EX RW

GAS

8.3%

2.0%

2.0%

9.9%

FO GAS

EX RW

60+00

-20.50, 697.49

-19.50, 696.40

-15.00, 696.49

0.00, 696.79

16.77, 696.45

22.52, 697.53

21.27, 696.36

10 FT

10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 676	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 26

PLOT DATE : 7/23/2020 7:34 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

730

720

710

700

690

EX RW

GAS

8.1%

2.0%

2.0%

10.5%

FO

FO

GAS

EX RW

-20.50, 697.38

-19.50, 696.30

-15.00, 696.39

0.00, 696.68

17.33, 696.33

23.05, 697.43

21.83, 696.24

60+25

10 FT

10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 677	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 27

PLOT DATE : 7/23/2020 7:34 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

700

690

EX RW

GAS

10.1%

1.9%

2.0%

12.1%

-20.50, 697.34

-19.50, 696.19

-15.00, 696.28

0.00, 696.57

17.89, 696.21

22.39, 696.12

23.58, 697.35

FO

FO

GAS

EX RW

60+50

10 FT

10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 678	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 28

PLOT DATE : 7/23/2020 7:34 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

730

720

710

700

690

EX RW

GAS

10.3%

1.9%

2.0%

12.1%

-20.50, 697.34

-19.50, 696.19

-15.00, 696.28

0.00, 696.56

17.93, 696.20

22.43, 696.11

23.62, 697.34

FO

FO

GAS

EX RW

60+52

10 FT

10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 679	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 29

PLOT DATE : 7/23/2020 7:34 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

700

690

EX
RW

GAS

11.2%

1.9%

2.0%

12.8%

-20.30, 697.27

-19.50, 696.09

-15.00, 696.18

0.00, 696.46

18.39, 696.09

22.89, 696.00

24.04, 697.25

FO FO

GAS

EX
RW

60+75

10 FT

10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 680	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 30

PLOT DATE : 7/23/2020 7:34 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

700

690

EX RW

GAS

13.1%

1.9%

2.0%

6.5%

FO

FO

FO

EX RW

GAS

61+00

-20.30, 697.22

-19.50, 695.98

-15.00, 696.07

0.00, 696.35

18.76, 695.98

23.26, 695.89

24.38, 696.93

10 FT

10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 681	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 31

PLOT DATE : 7/23/2020 7:34 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

730

720

710

700

690

EX
RW

GAS

13.7%

-4.5%

2.0%

-20.50, 697.13

-19.50, 695.88

-15.00, 695.97

0.00, 696.24

19.19, 695.86

FO FO FO

EX
RW

GAS

61+25

10 FT

10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

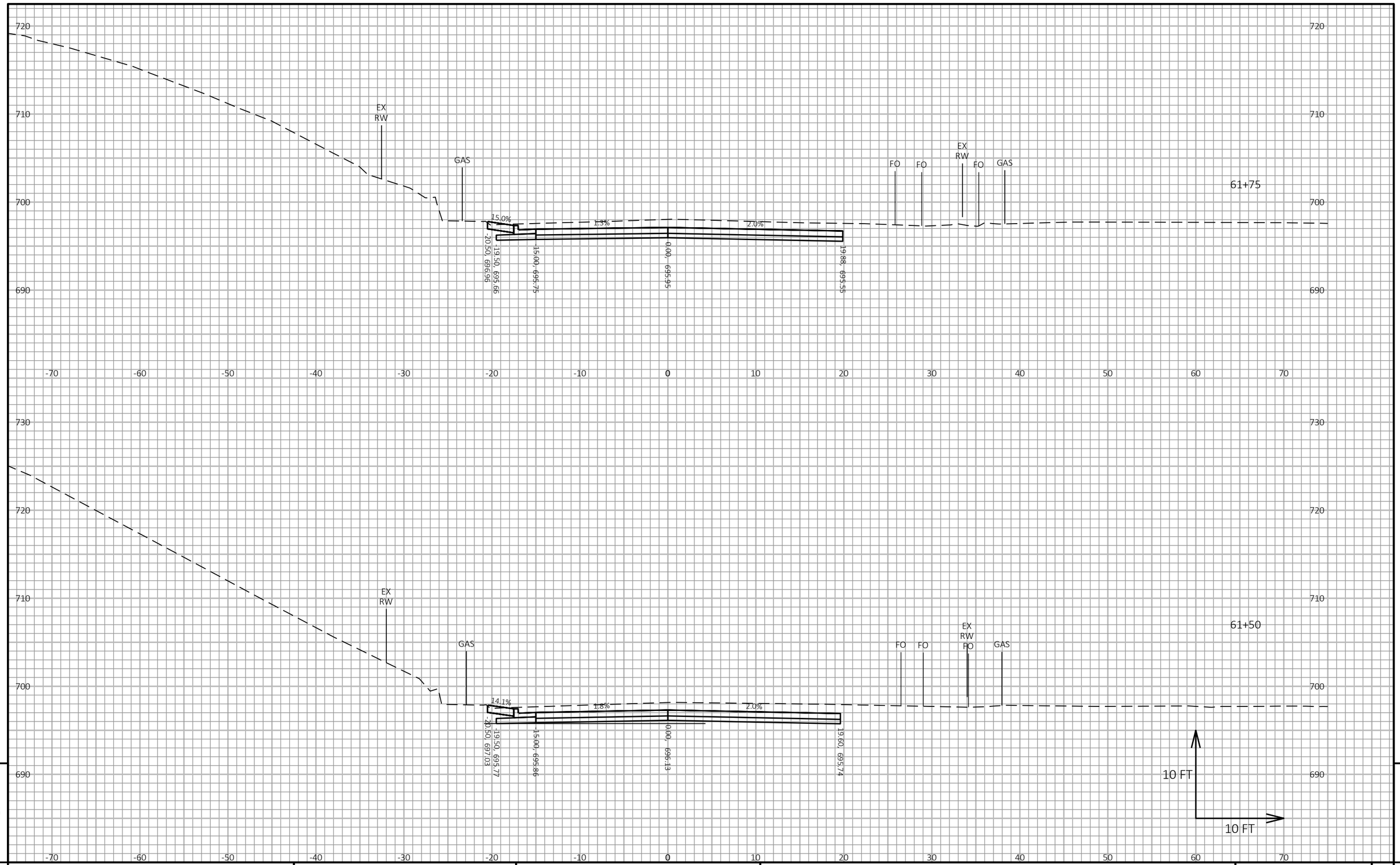
9

9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 682	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 32

PLOT DATE : 7/23/2020 7:34 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

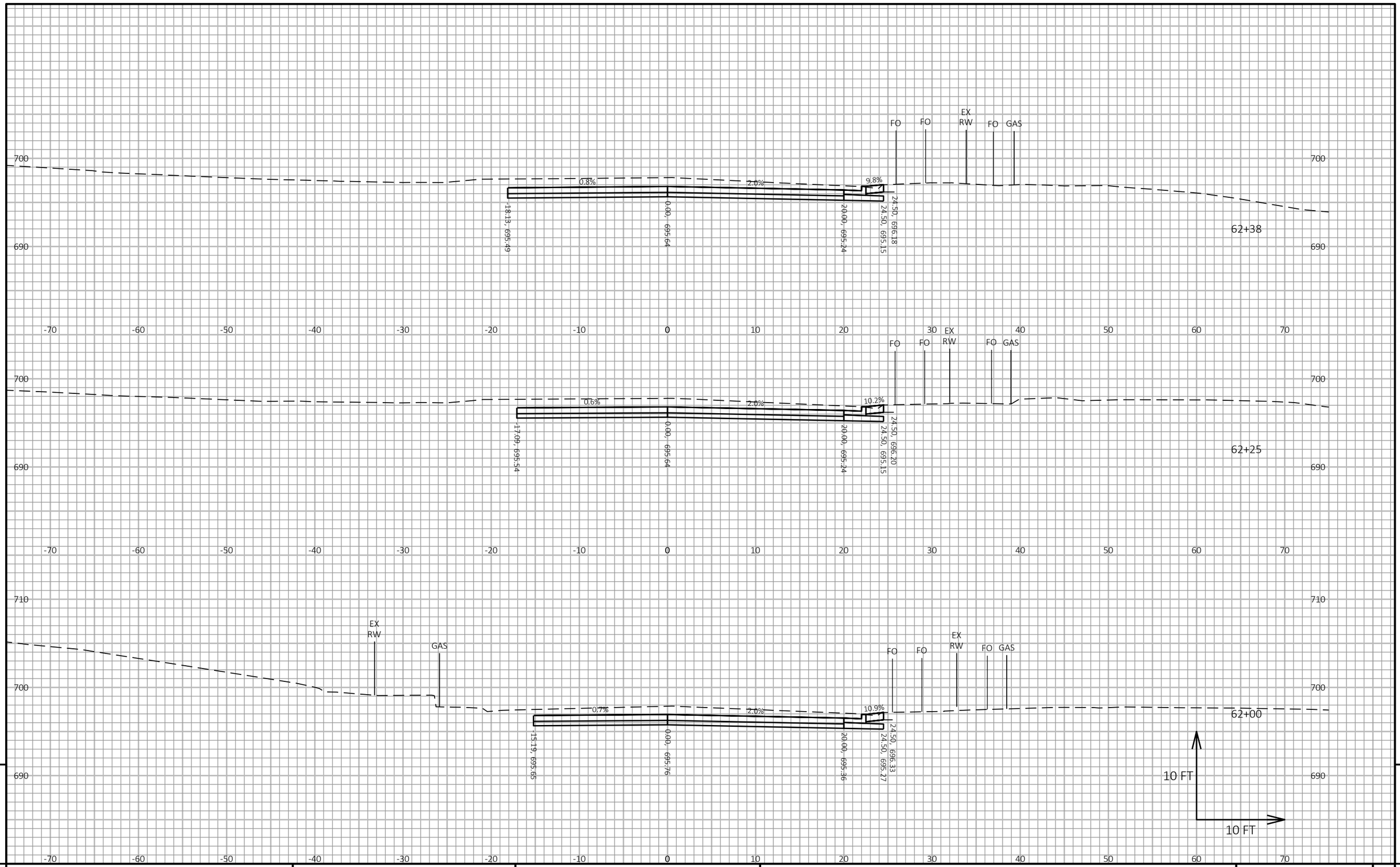
9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 683	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 33

PLOT DATE : 7/23/2020 7:34 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

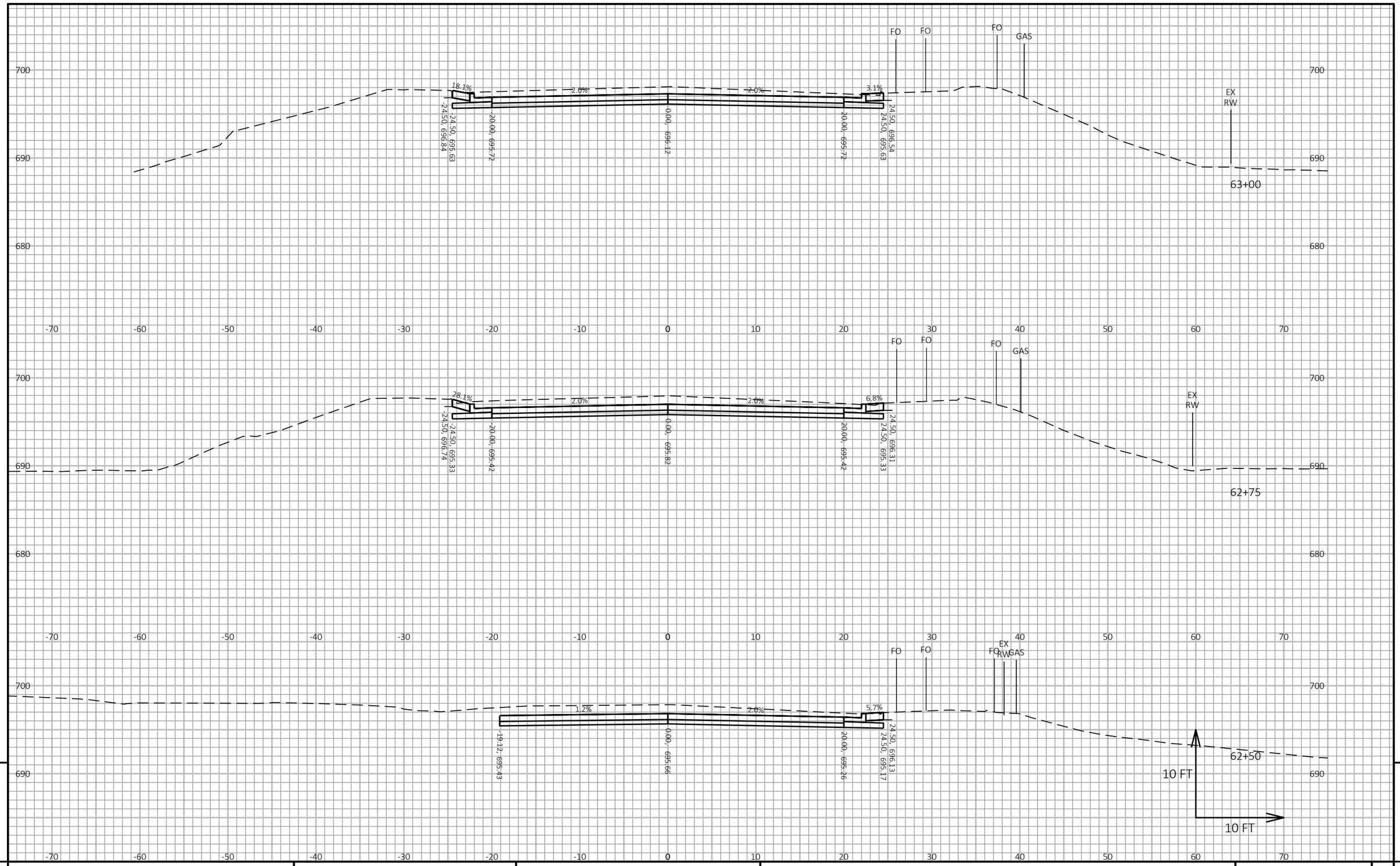
9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 684	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 34

PLOT DATE : 7/23/2020 7:34 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



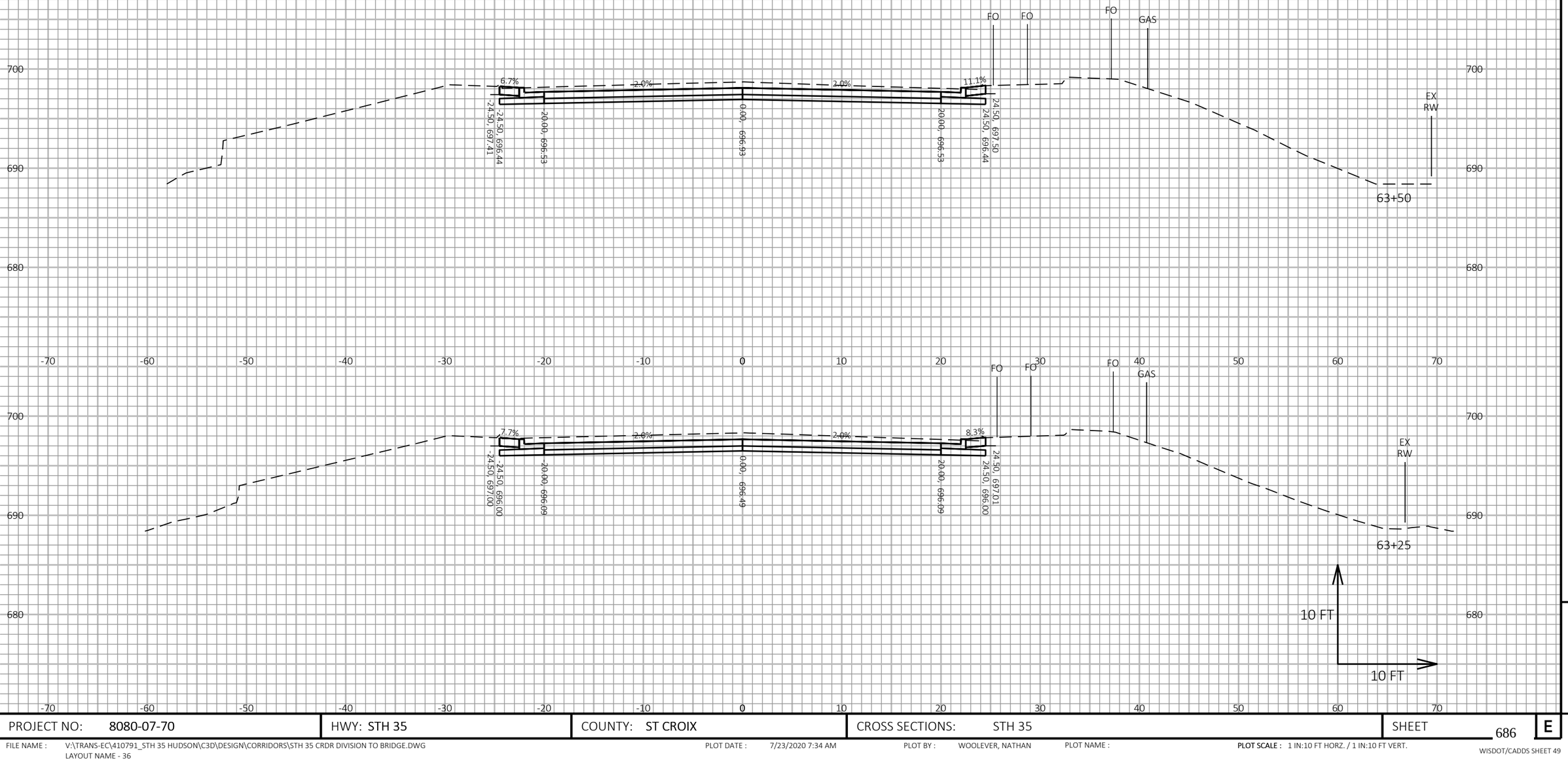
9

9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 685	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 35

PLOT DATE : 7/23/2020 7:34 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



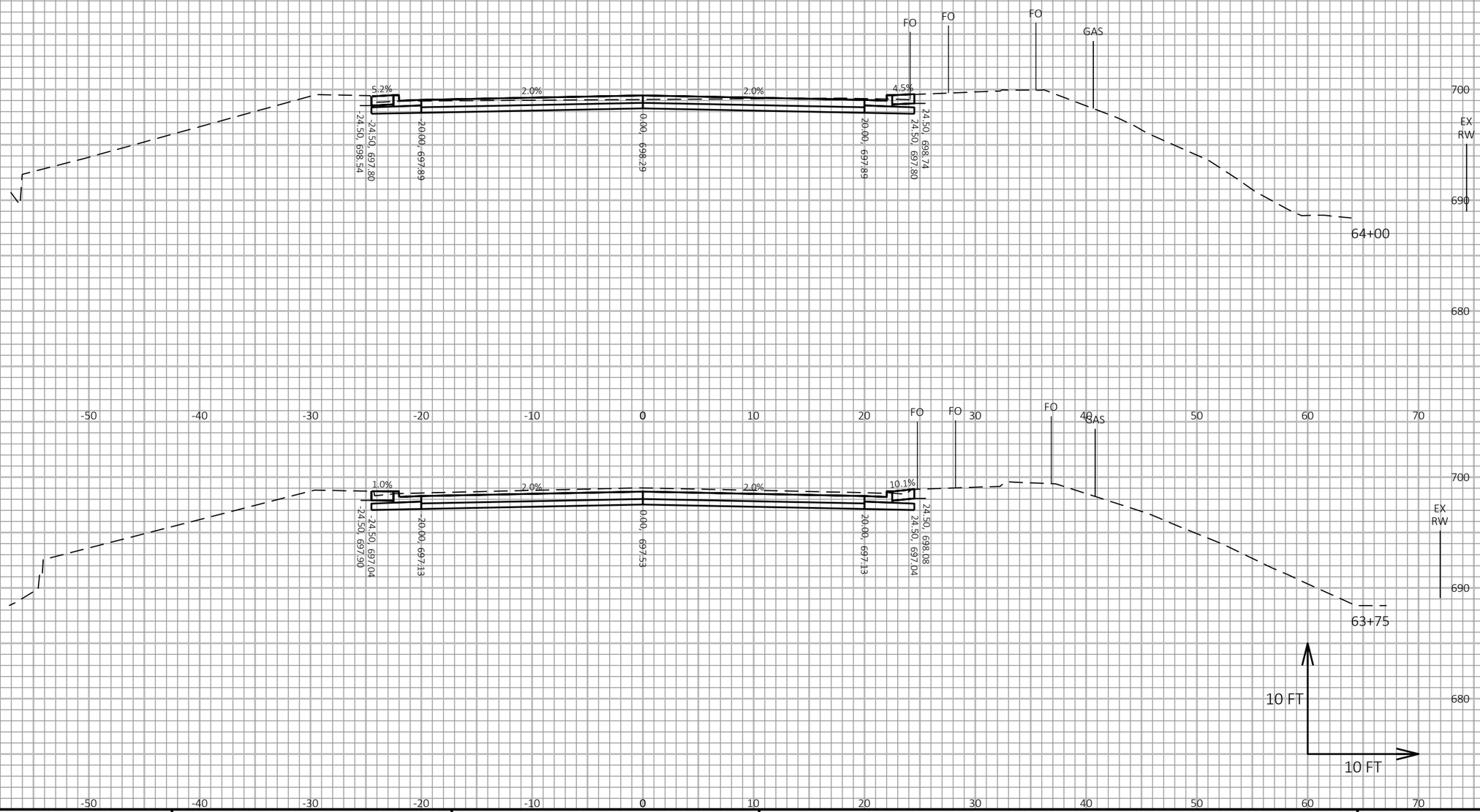
9

9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 686	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 36

PLOT DATE : 7/23/2020 7:34 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

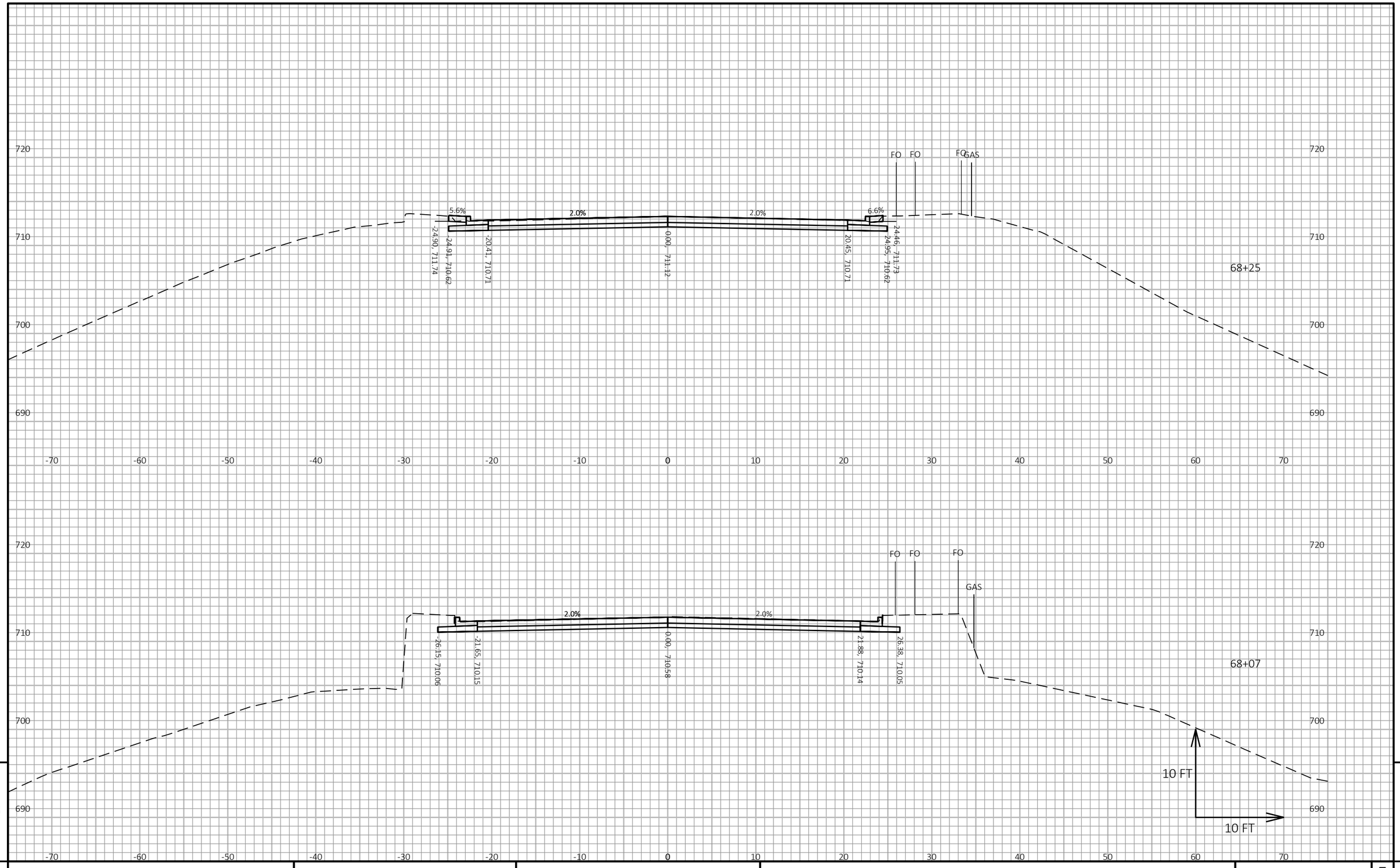
9

PROJECT NO: 8080-07-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 687	E

FILE NAME : V:\TRANS-EC\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR DIVISION TO BRIDGE.DWG
LAYOUT NAME - 37

PLOT DATE : 7/23/2020 7:34 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

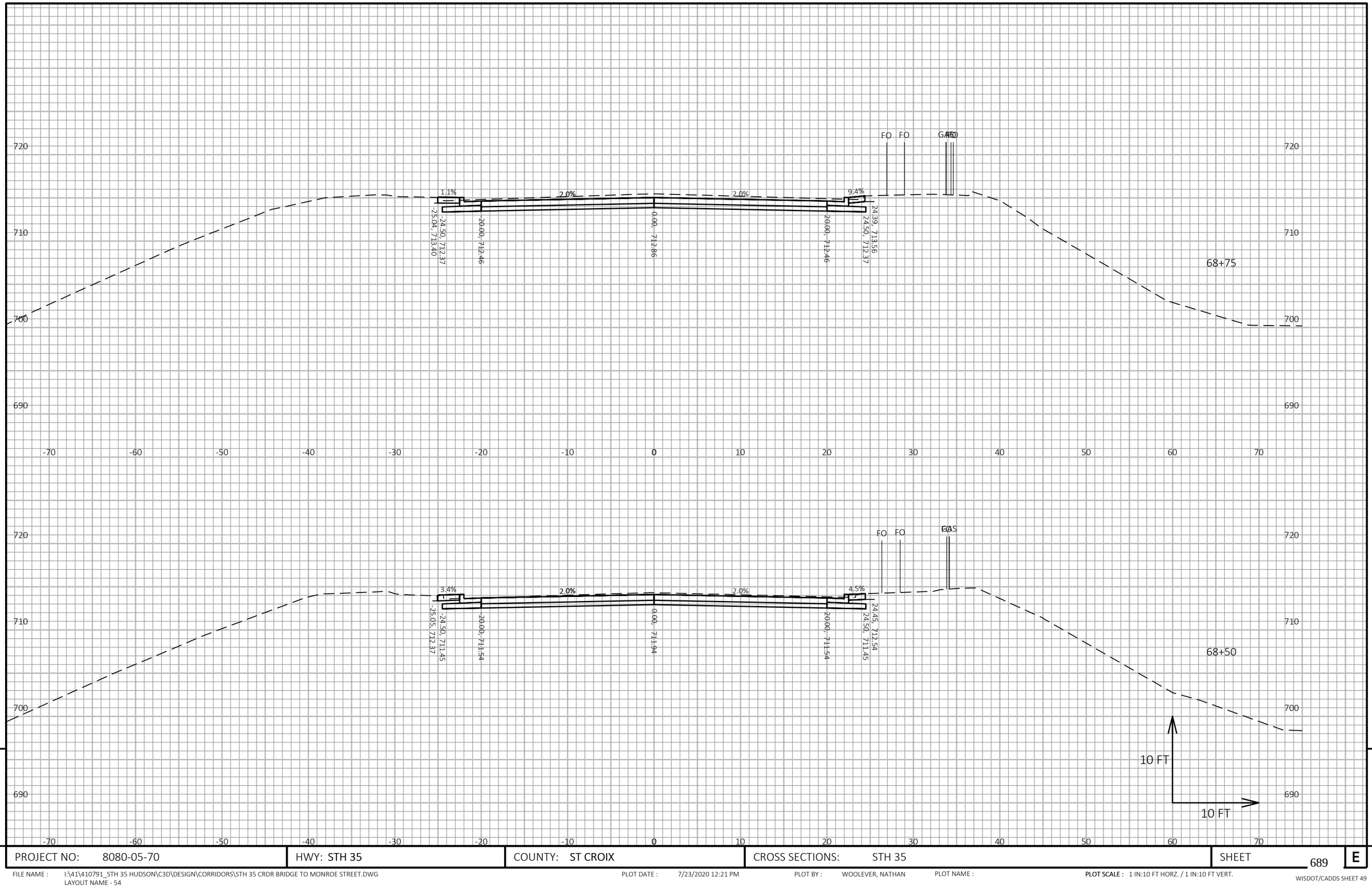


PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 688	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 53

PLOT DATE : 7/23/2020 12:21 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

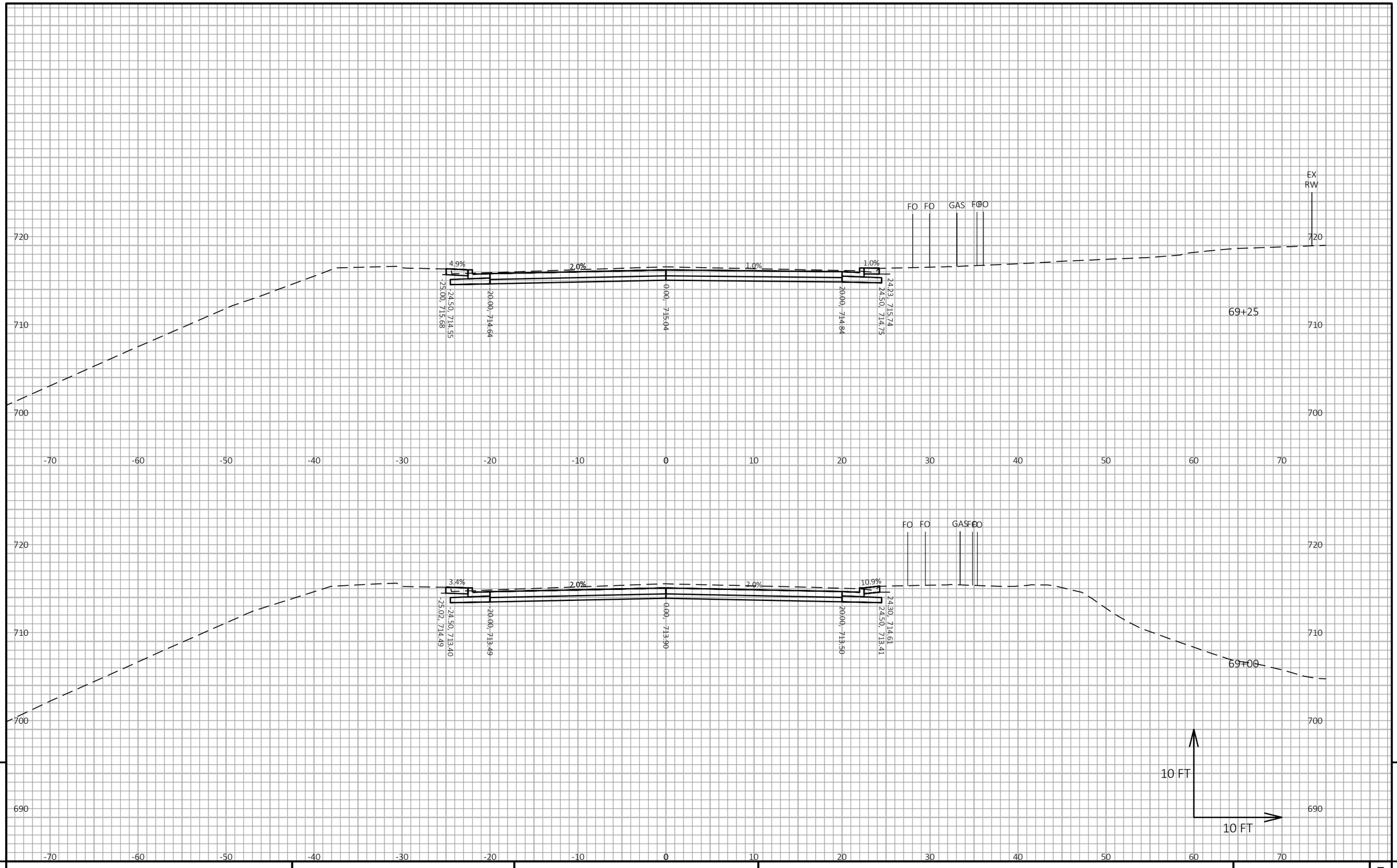


PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 689	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 54

PLOT DATE : 7/23/2020 12:21 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

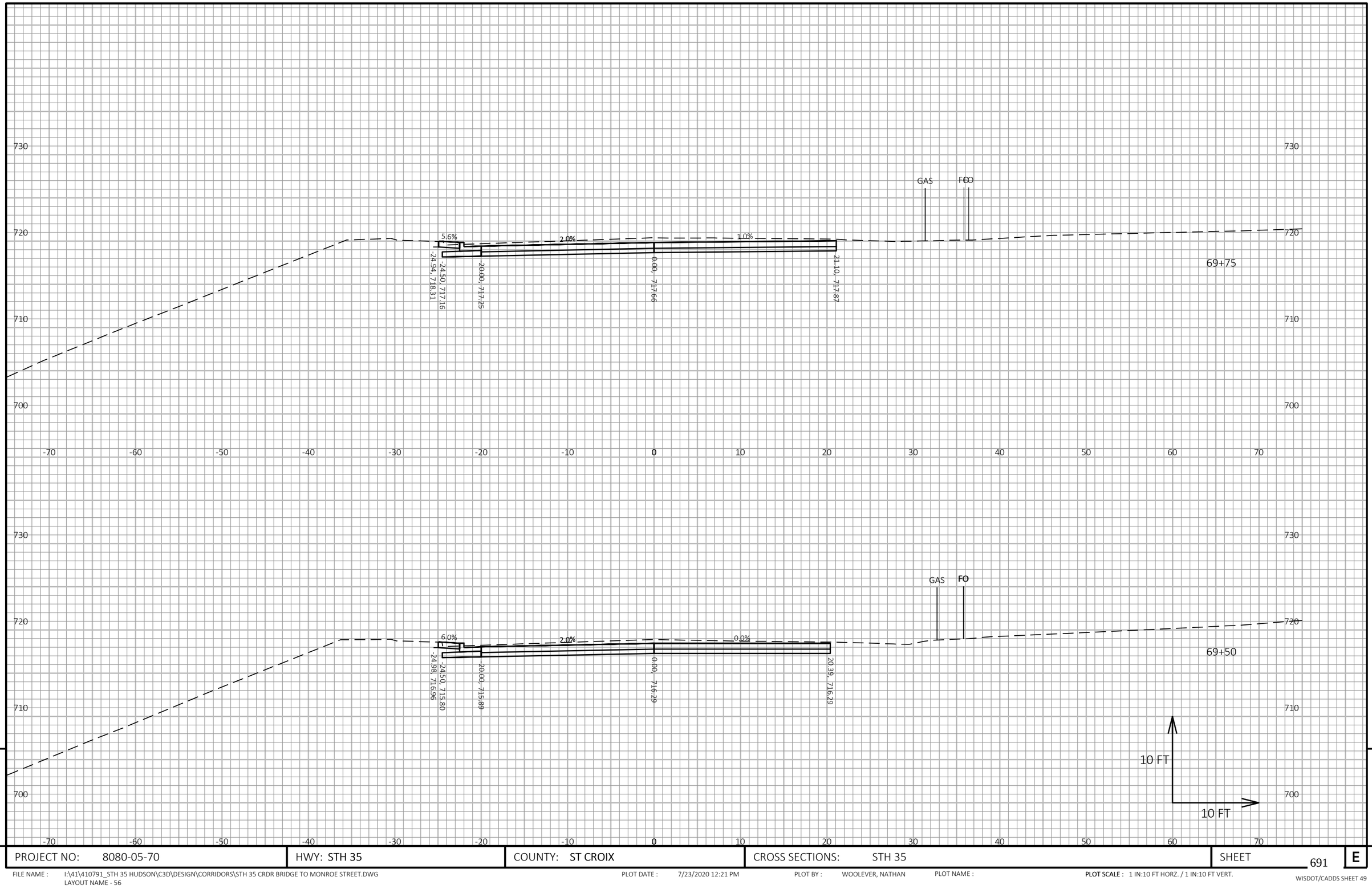
9

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 690	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 55

PLOT DATE : 7/23/2020 12:21 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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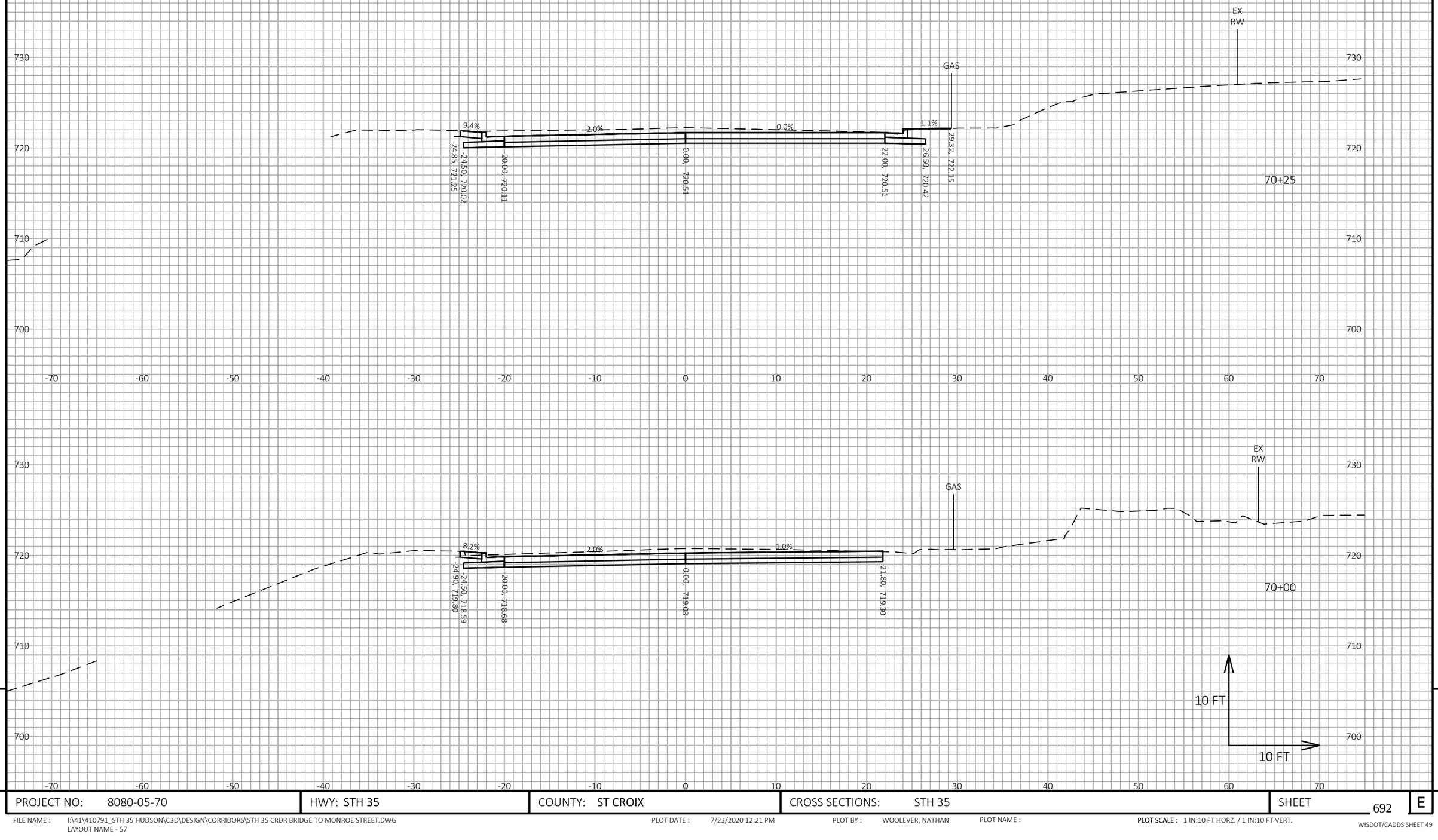
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 691	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 56

PLOT DATE : 7/23/2020 12:21 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

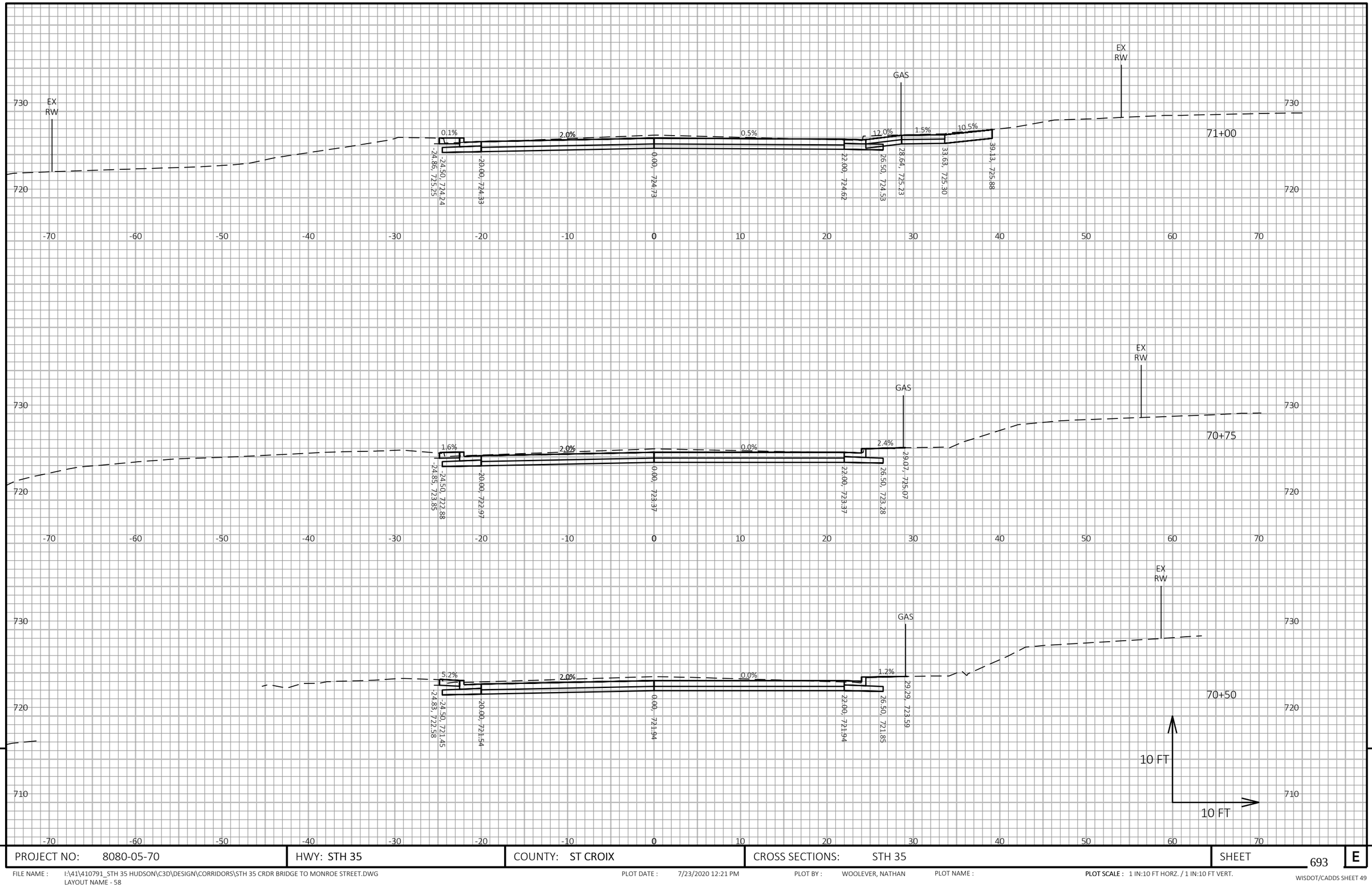


PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 692	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 57

PLOT DATE : 7/23/2020 12:21 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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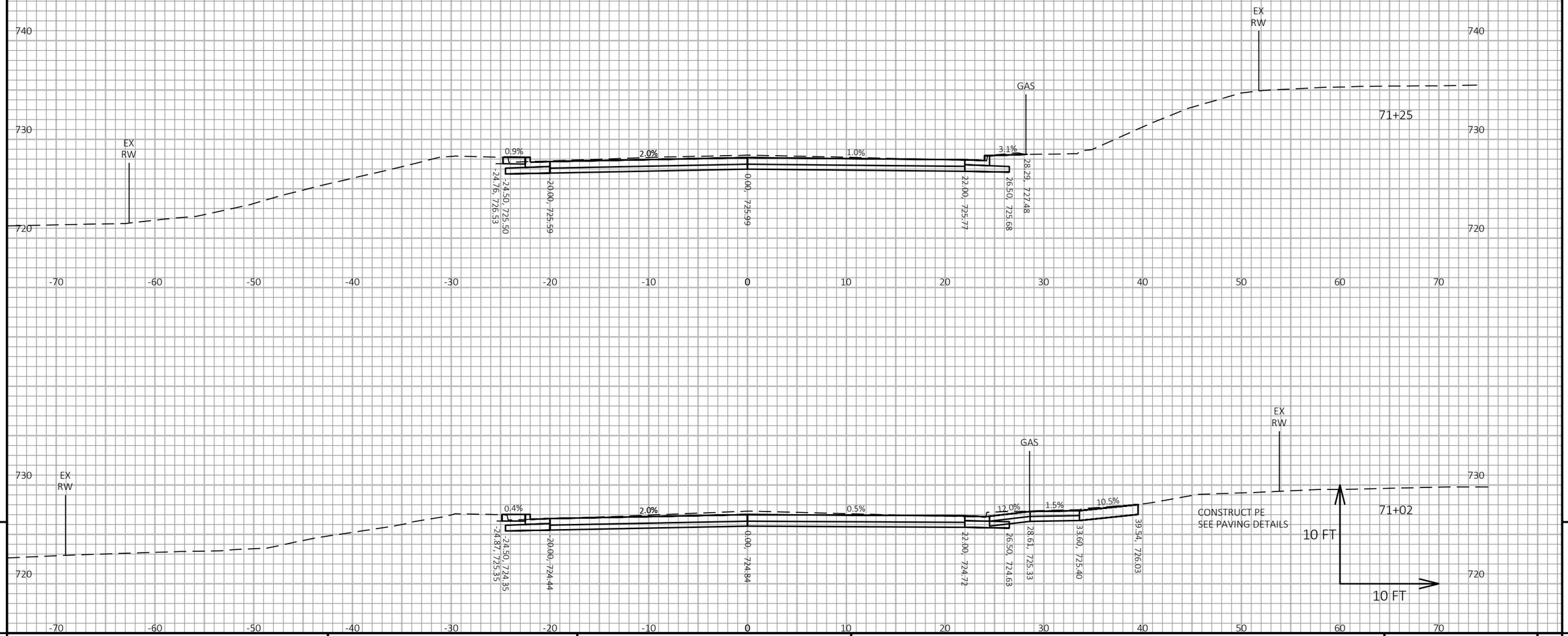
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 693	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 58

PLOT DATE : 7/23/2020 12:21 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



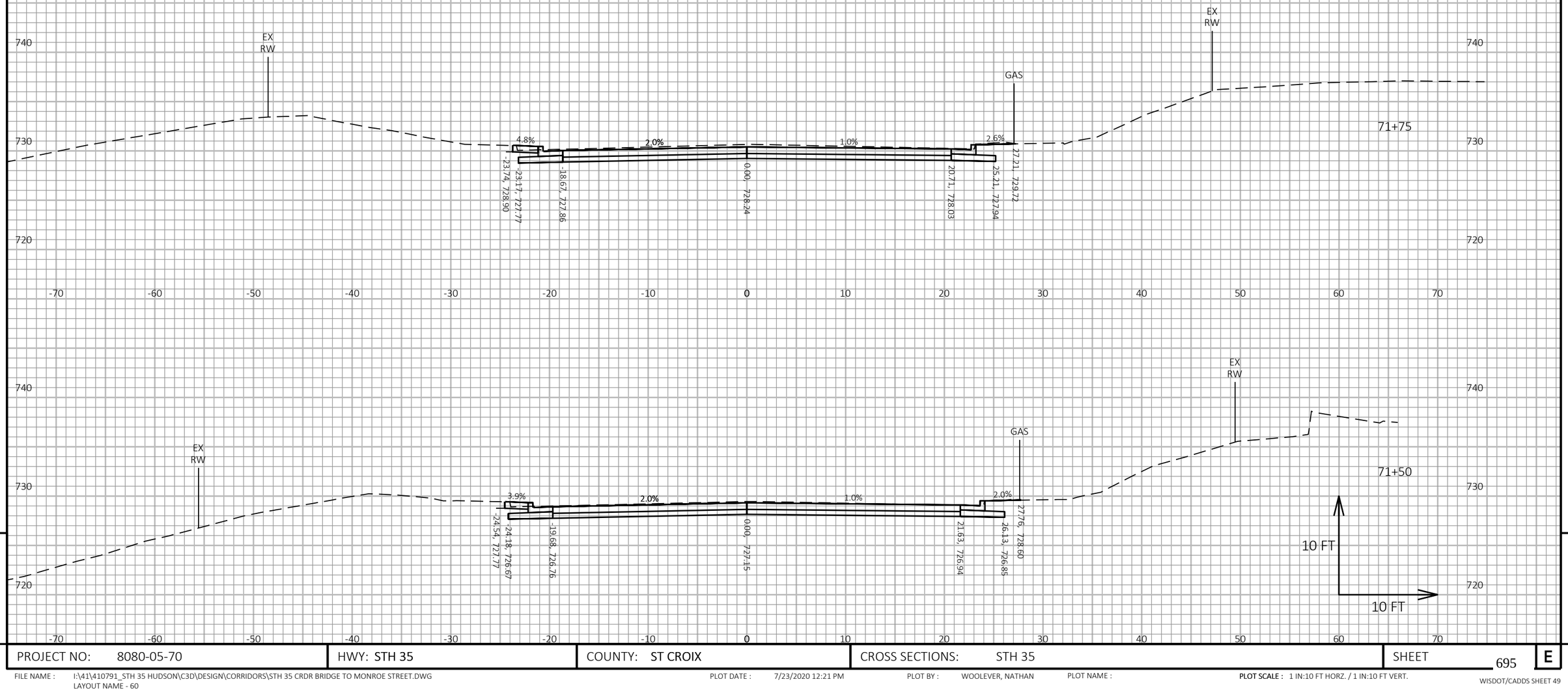
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 694	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 59

PLOT DATE : 7/23/2020 12:21 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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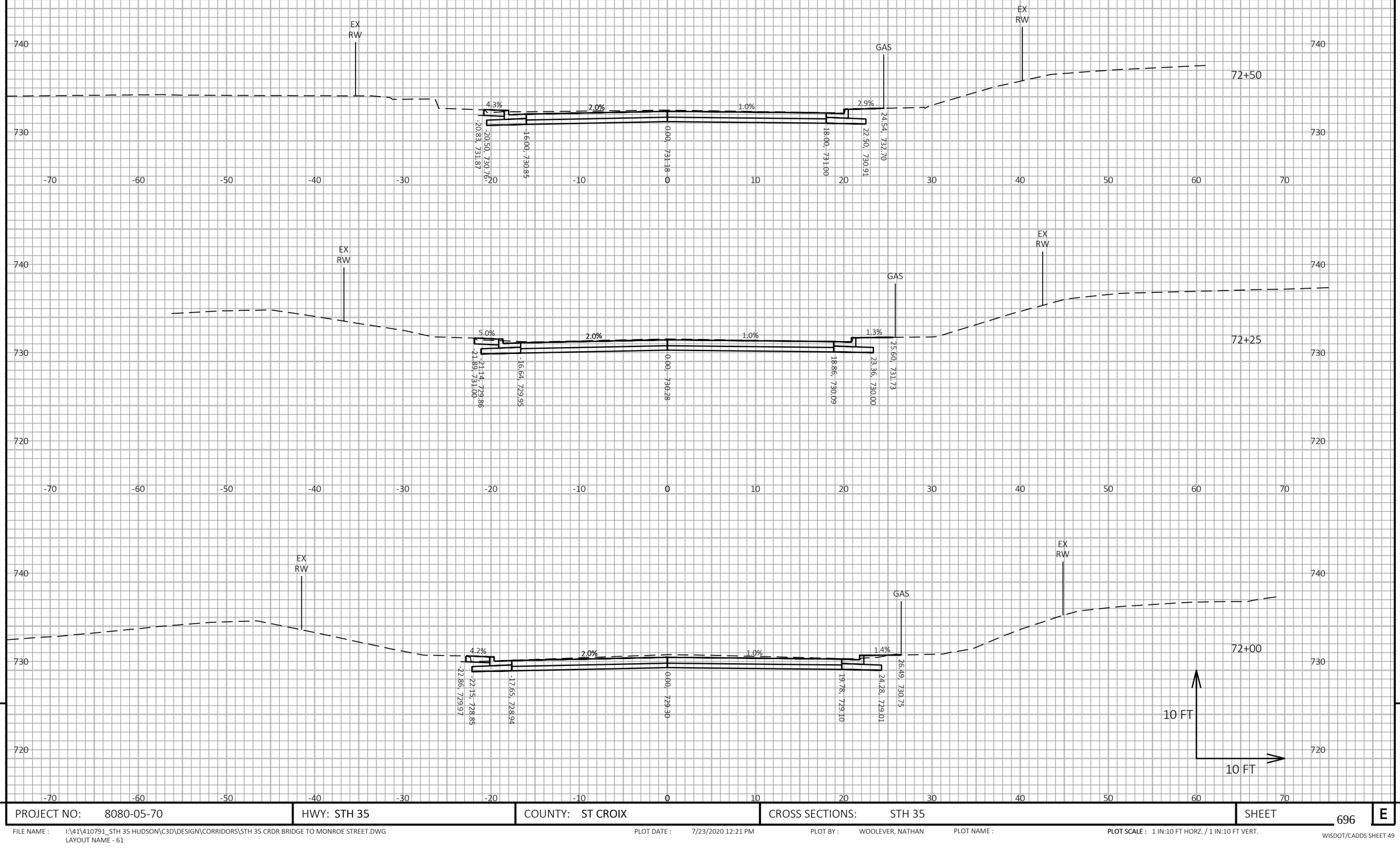
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 695	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 60

PLOT DATE : 7/23/2020 12:21 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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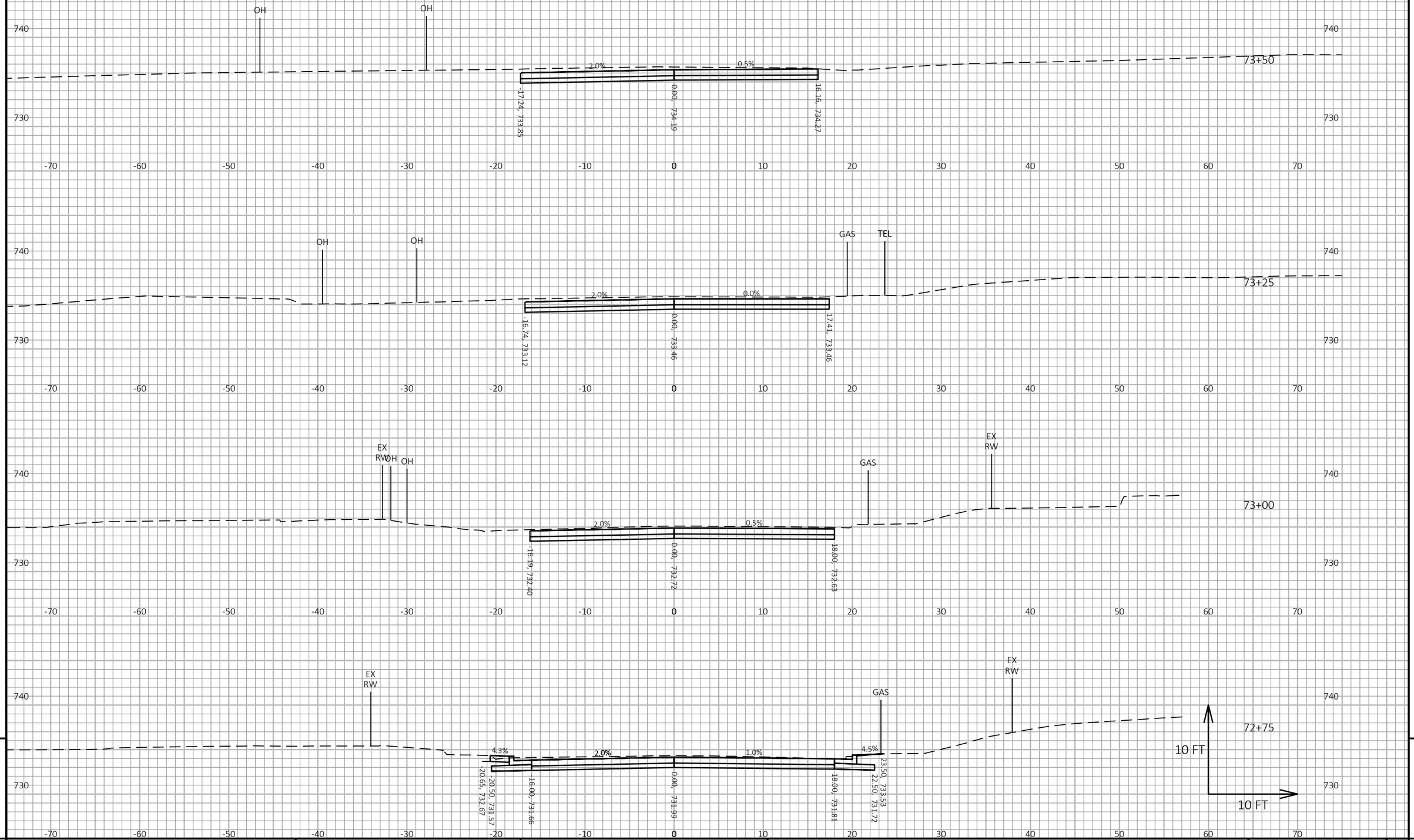
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 696	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 61

PLOT DATE : 7/23/2020 12:21 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 697	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 62

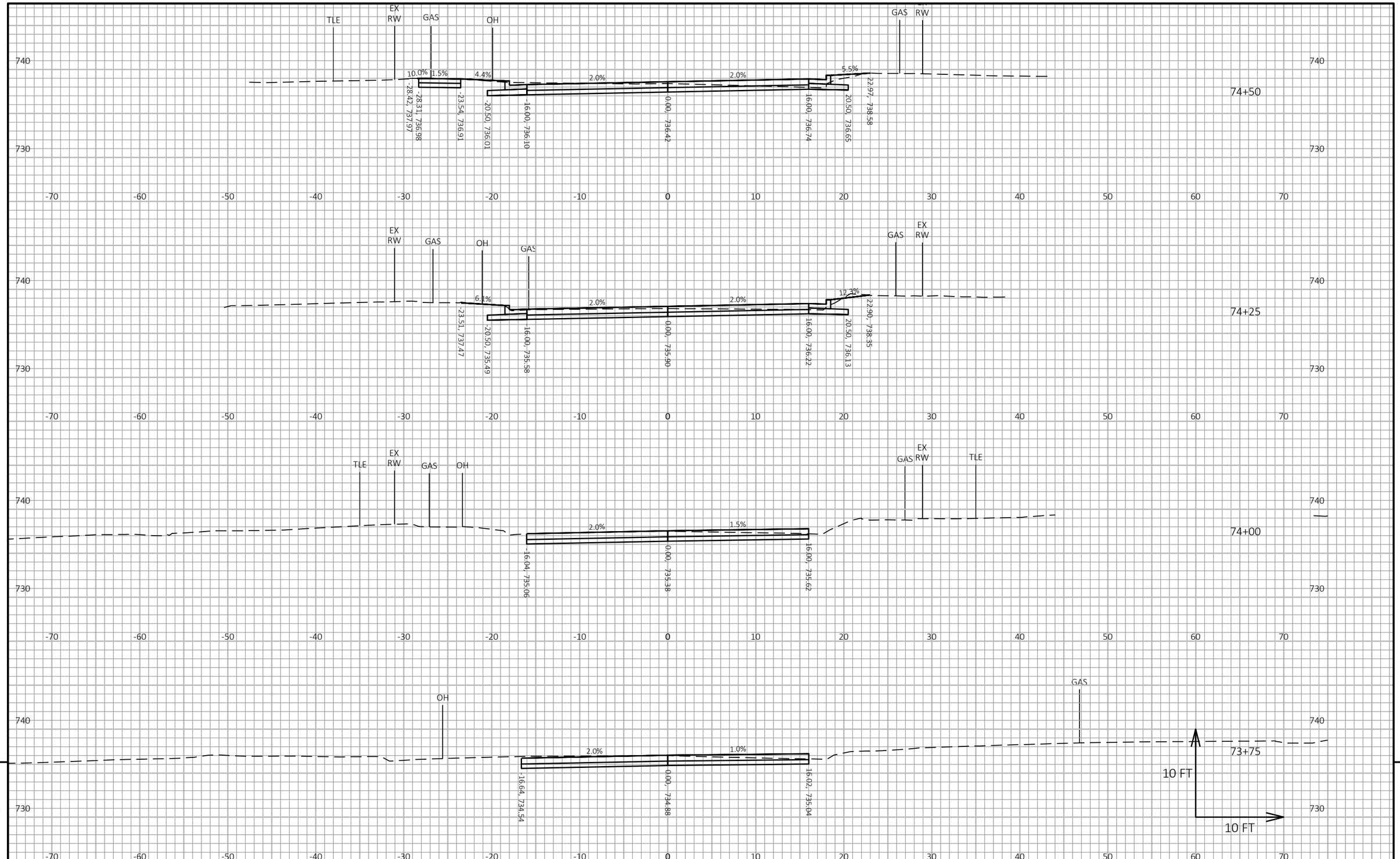
PLOT DATE : 7/23/2020 12:21 PM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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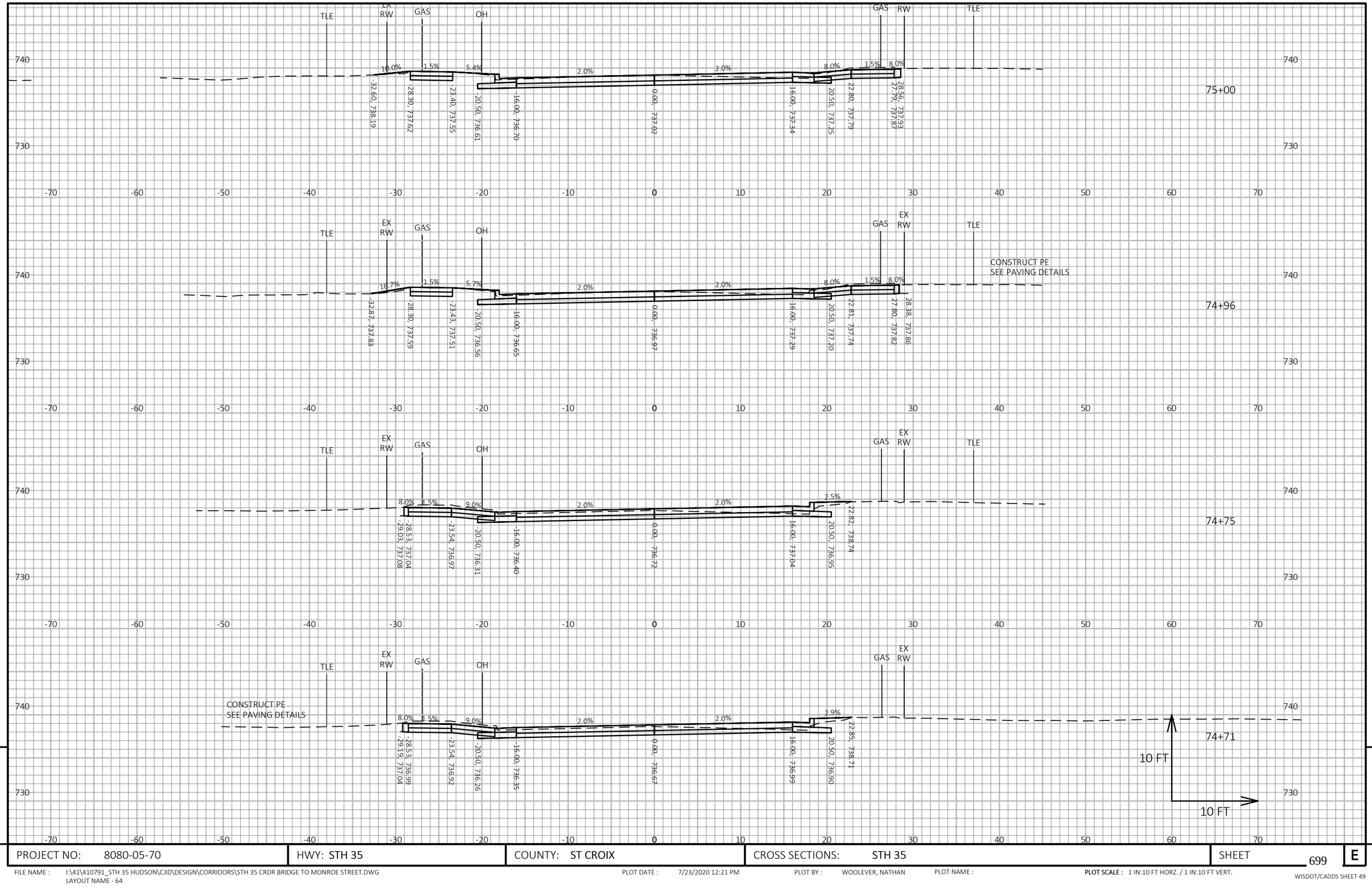
9

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 698	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 63

PLOT DATE : 7/23/2020 12:21 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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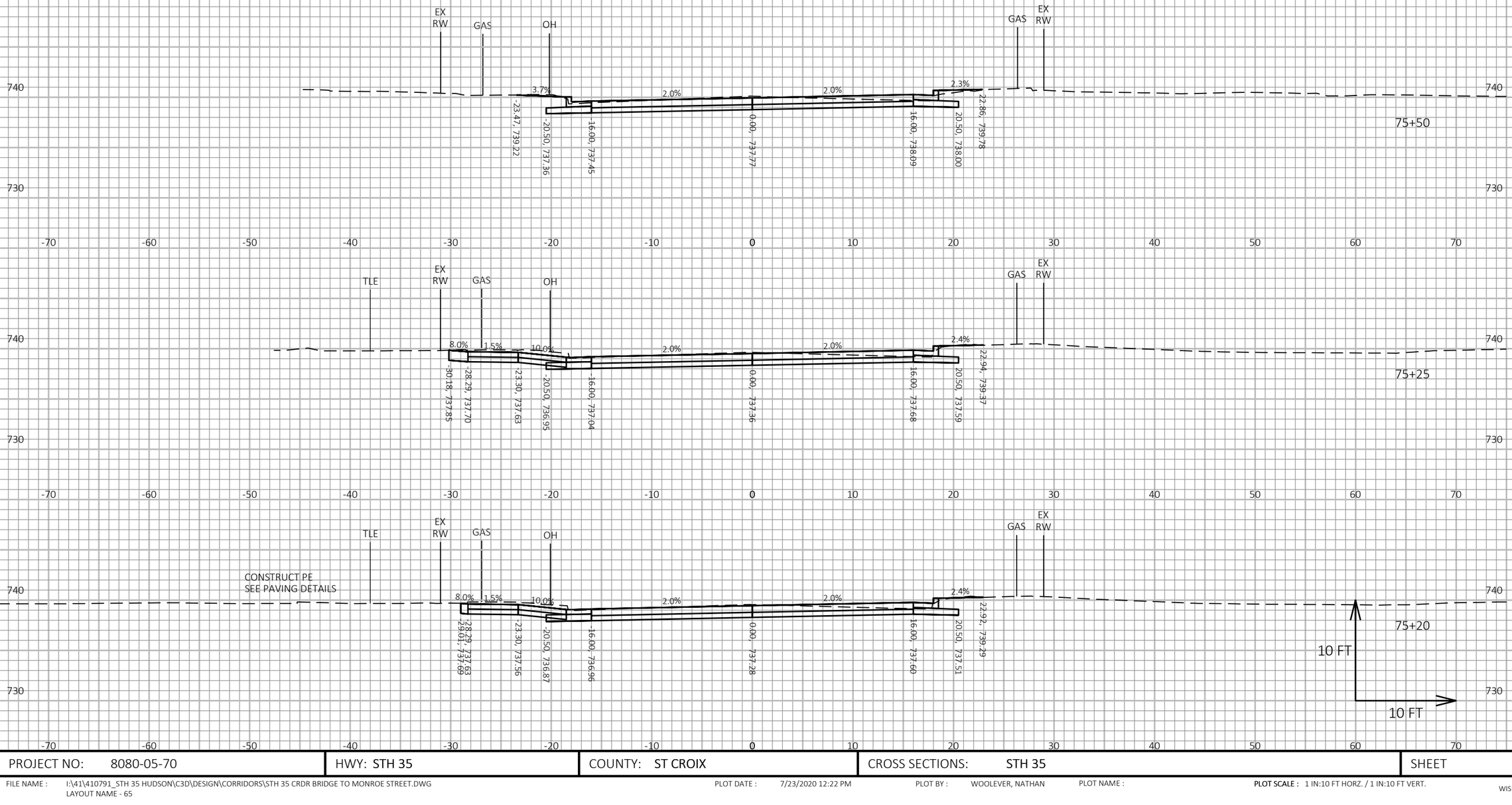
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 699	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 64

PLOT DATE : 7/23/2020 12:21 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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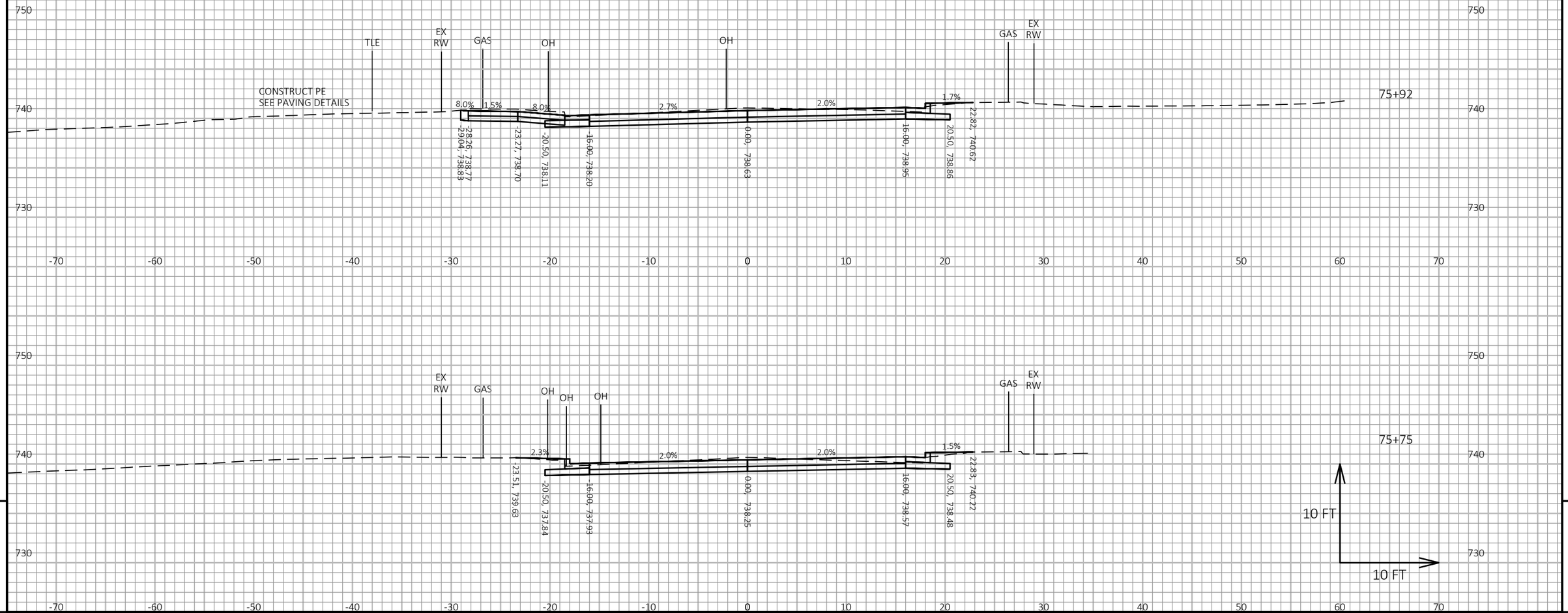
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 700	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 65

PLOT DATE : 7/23/2020 12:22 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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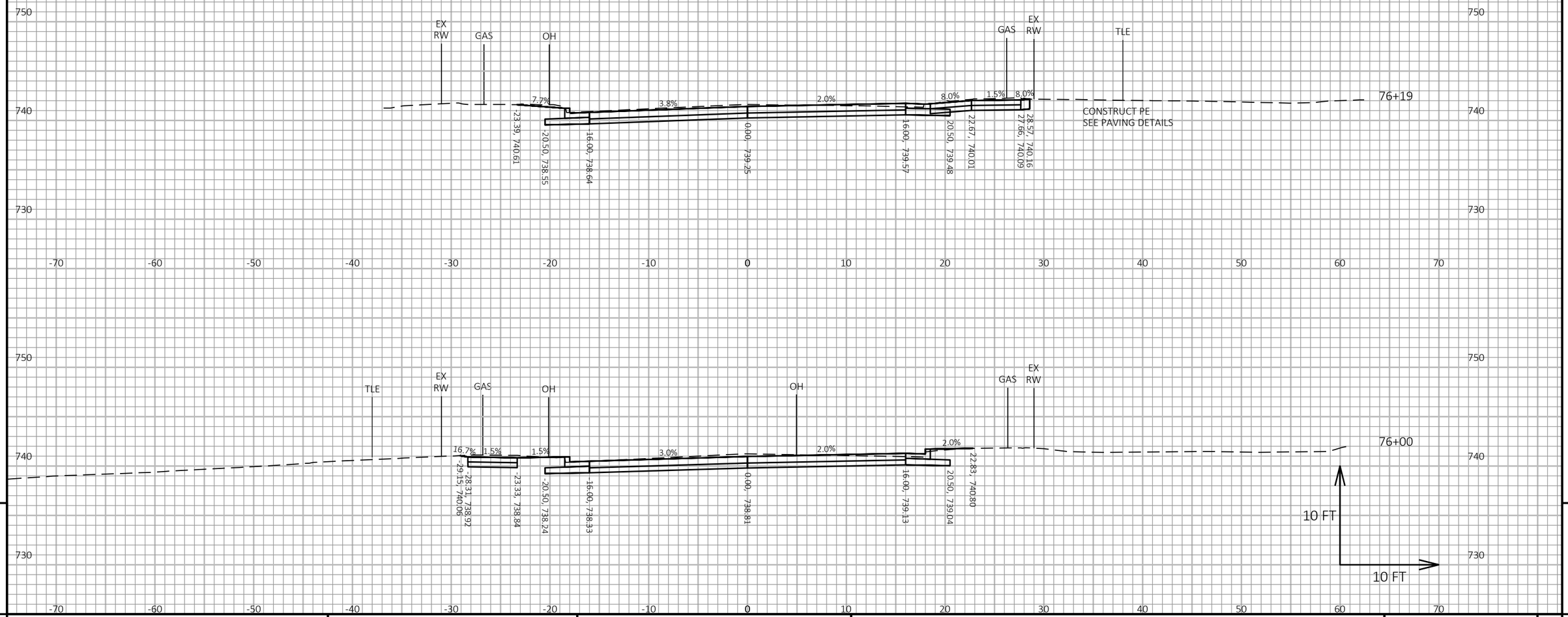
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 701	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 66

PLOT DATE : 7/23/2020 12:22 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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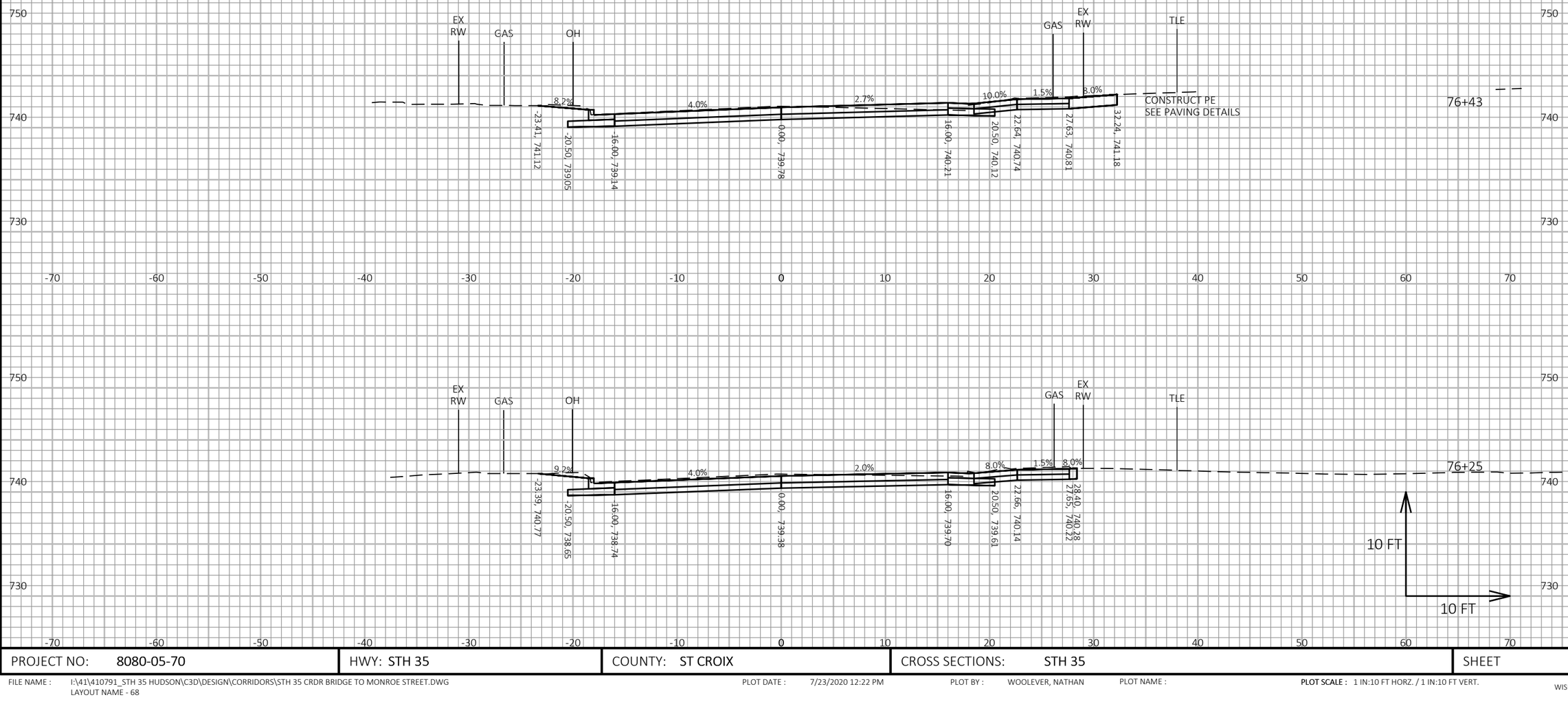
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 702	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 67

PLOT DATE : 7/23/2020 12:22 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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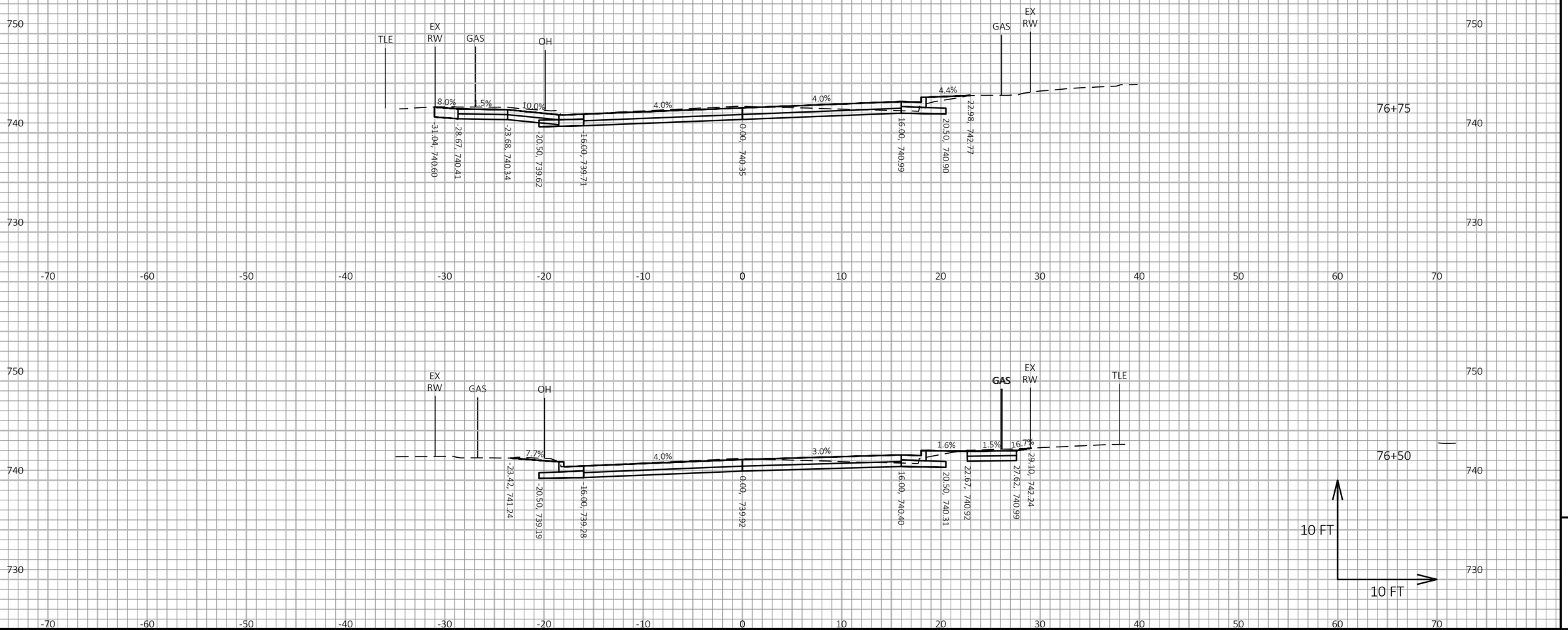
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 703	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 68

PLOT DATE : 7/23/2020 12:22 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

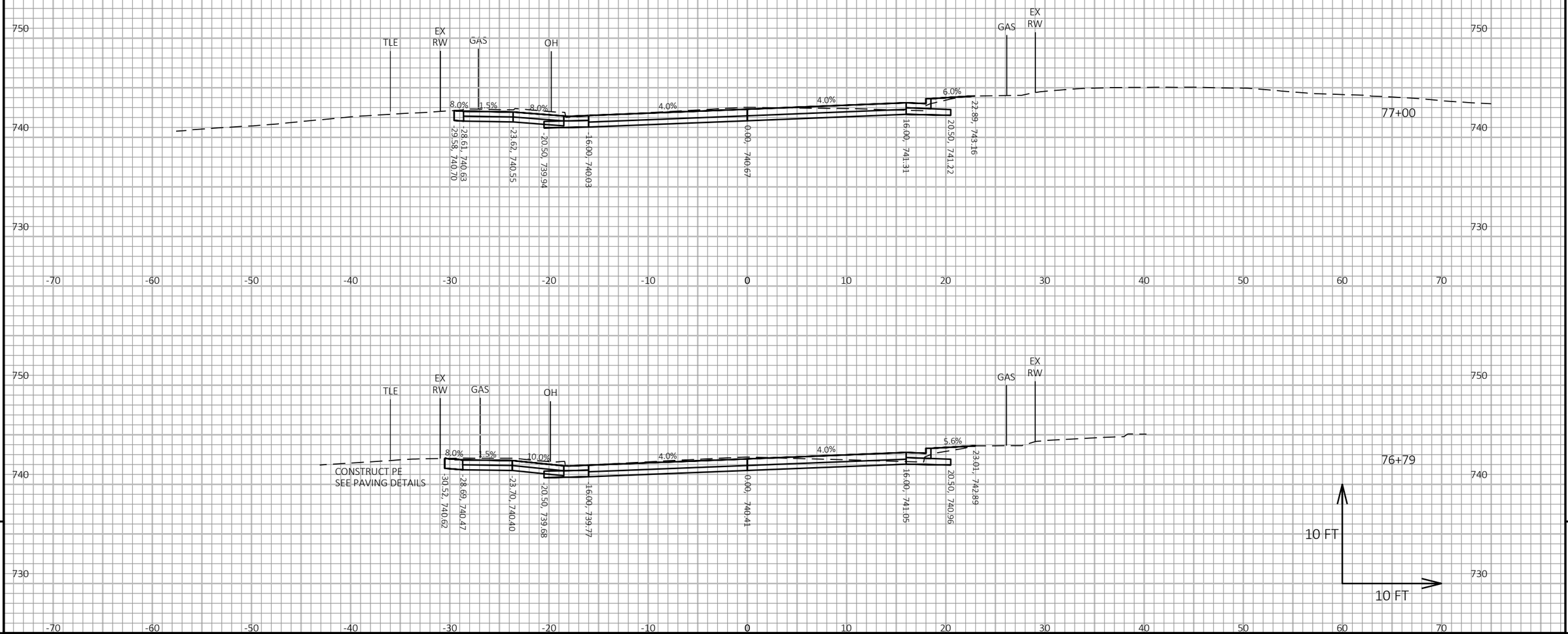


PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 704	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 69

PLOT DATE : 7/23/2020 12:22 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

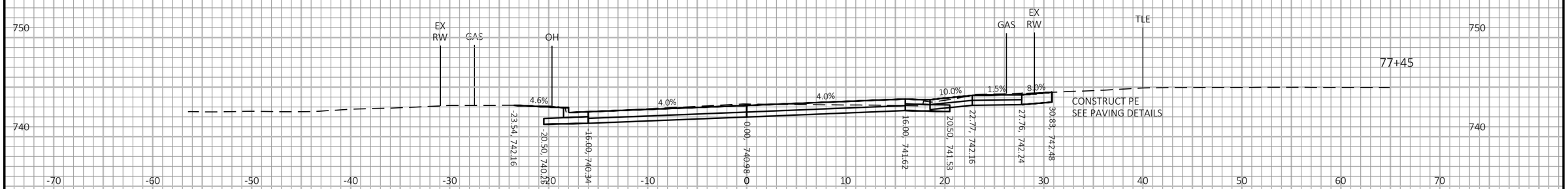


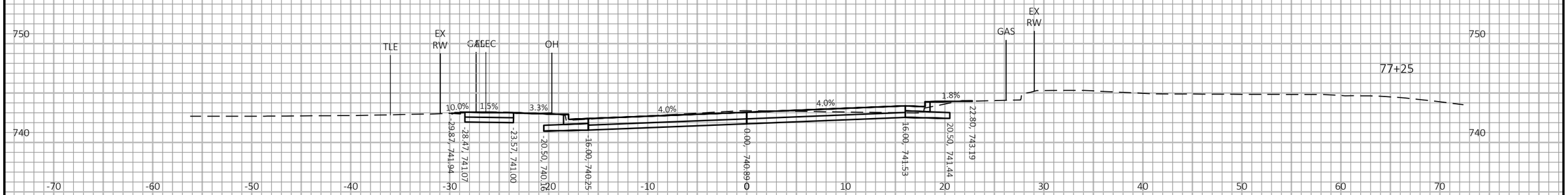
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 705	E

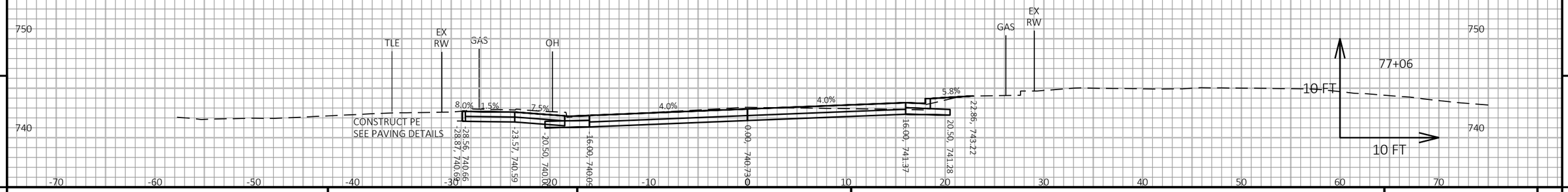
FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 70

PLOT DATE : 7/23/2020 12:22 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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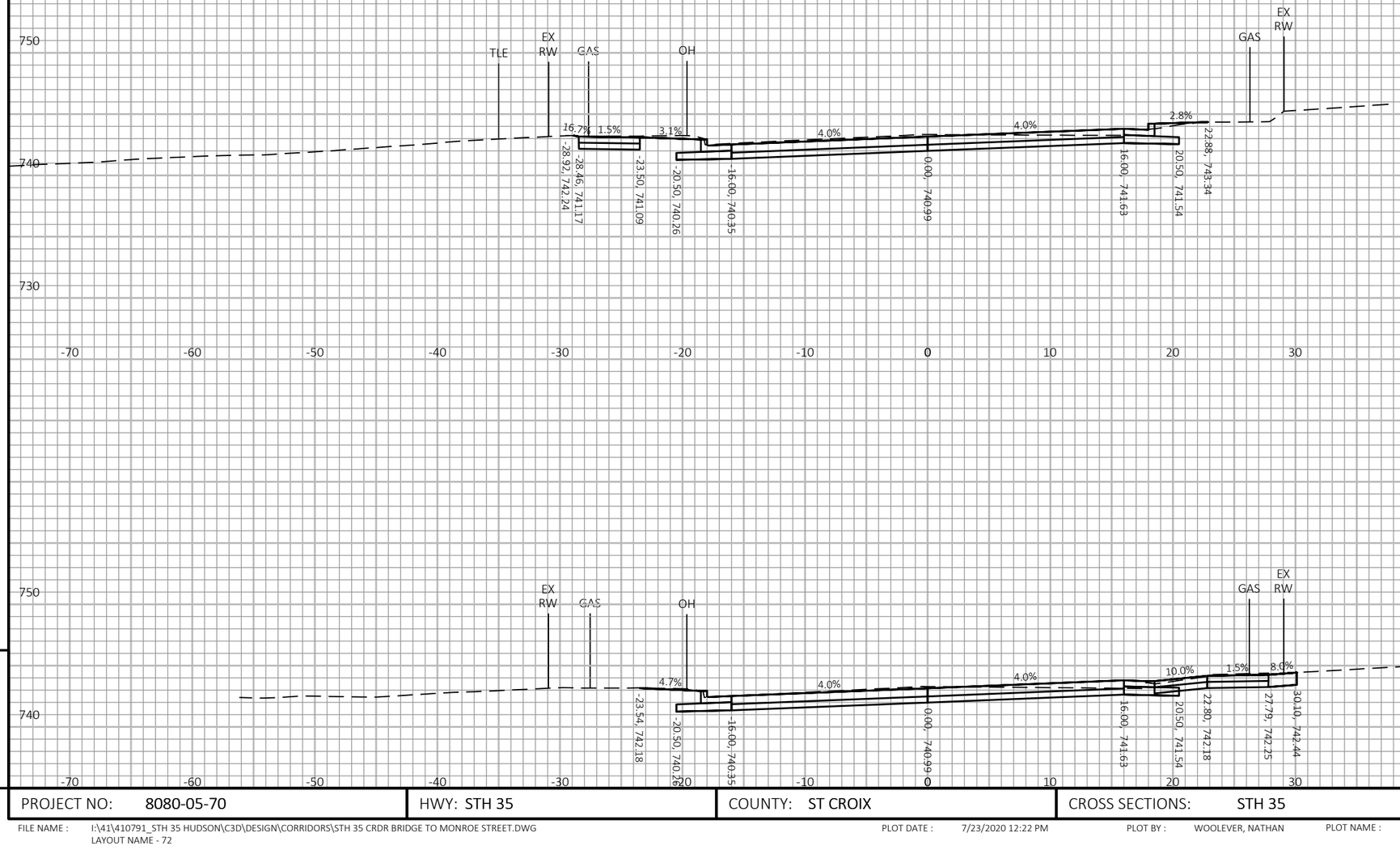
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 706	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 71

PLOT DATE : 7/23/2020 12:22 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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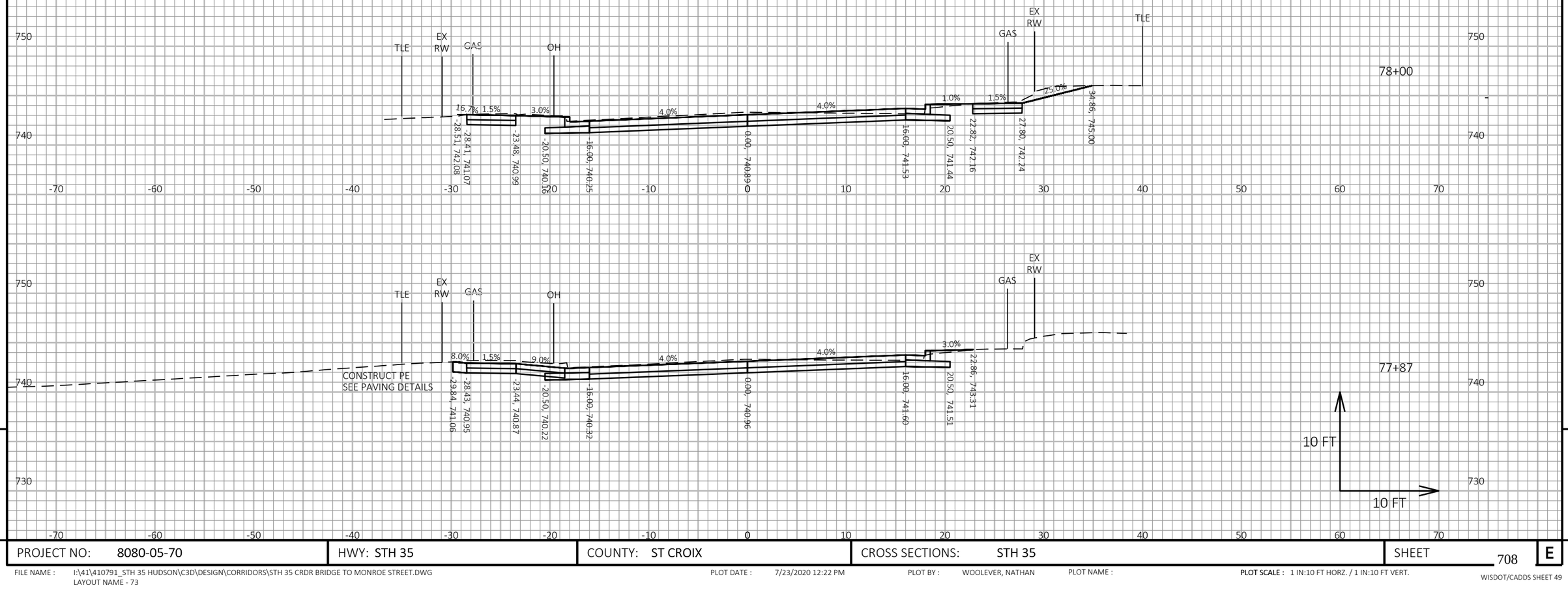
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 707	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 72

PLOT DATE : 7/23/2020 12:22 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

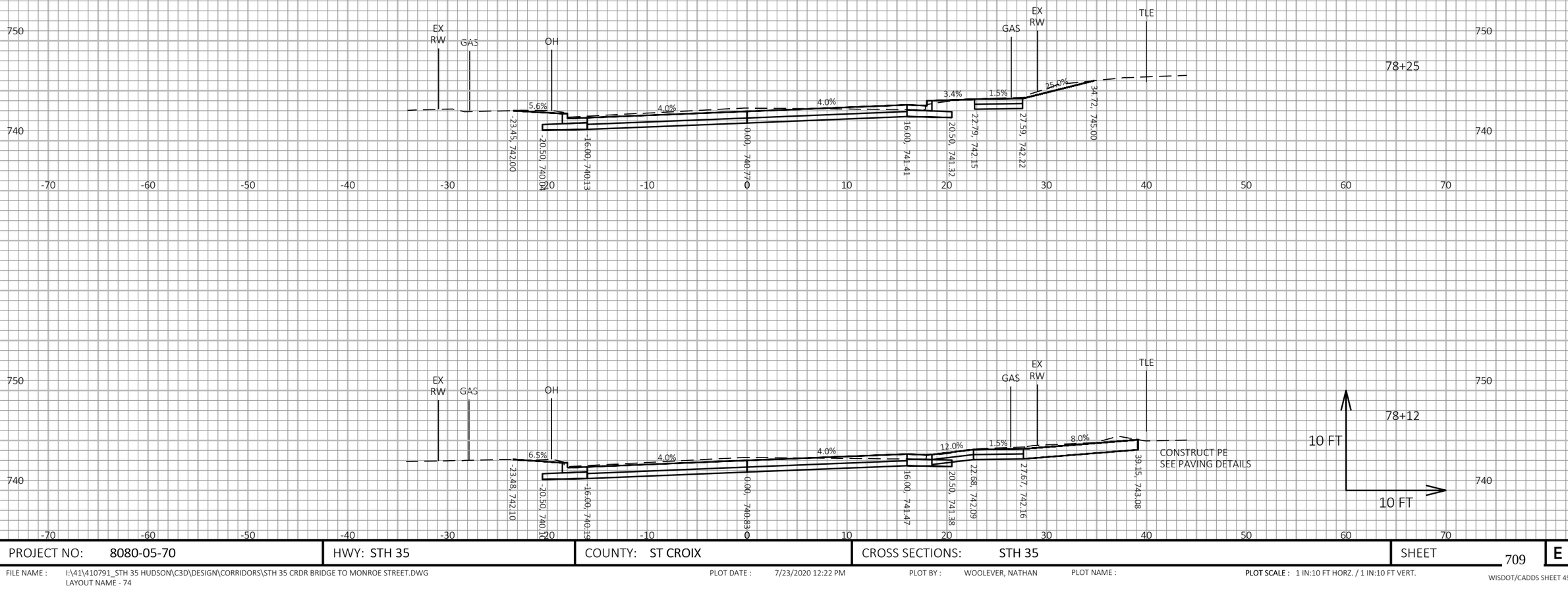


PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 708 E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 73

PLOT DATE : 7/23/2020 12:22 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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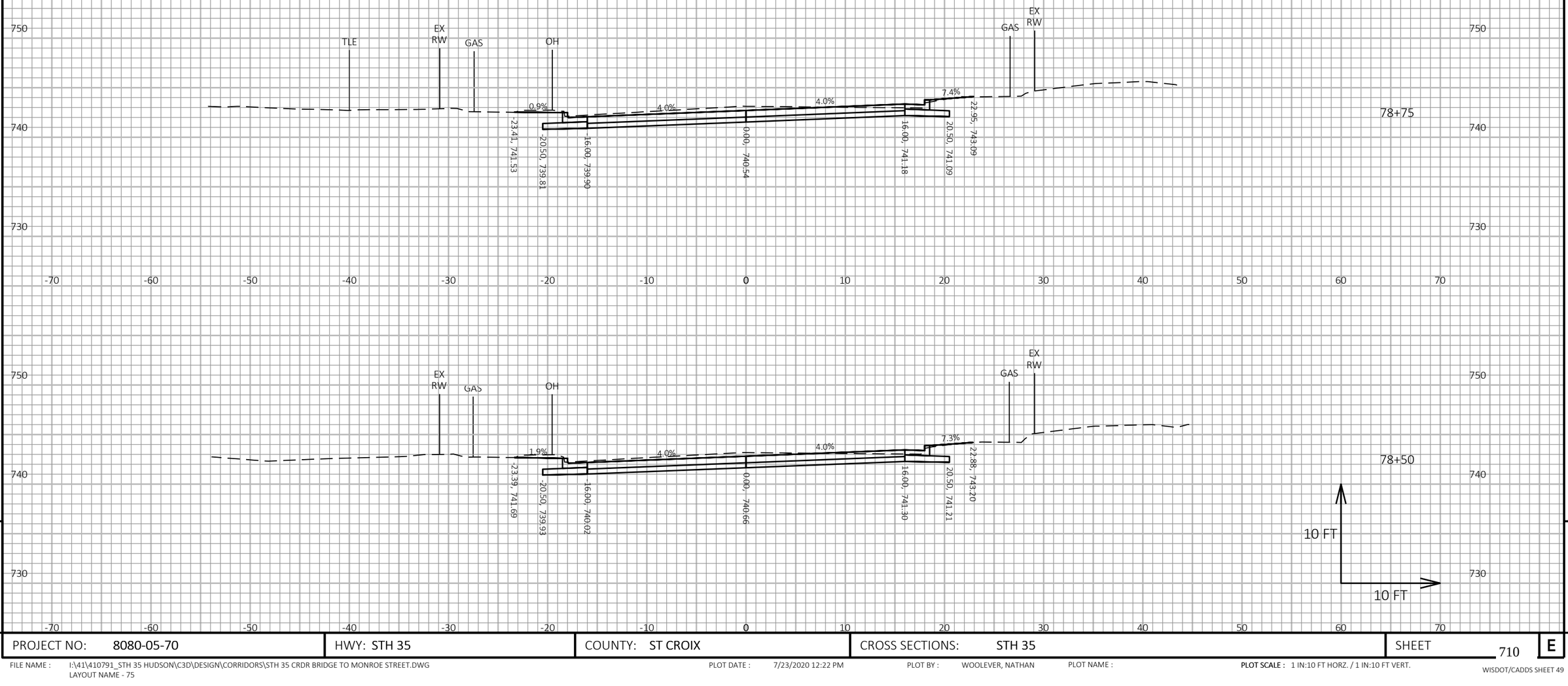
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 709	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 74

PLOT DATE : 7/23/2020 12:22 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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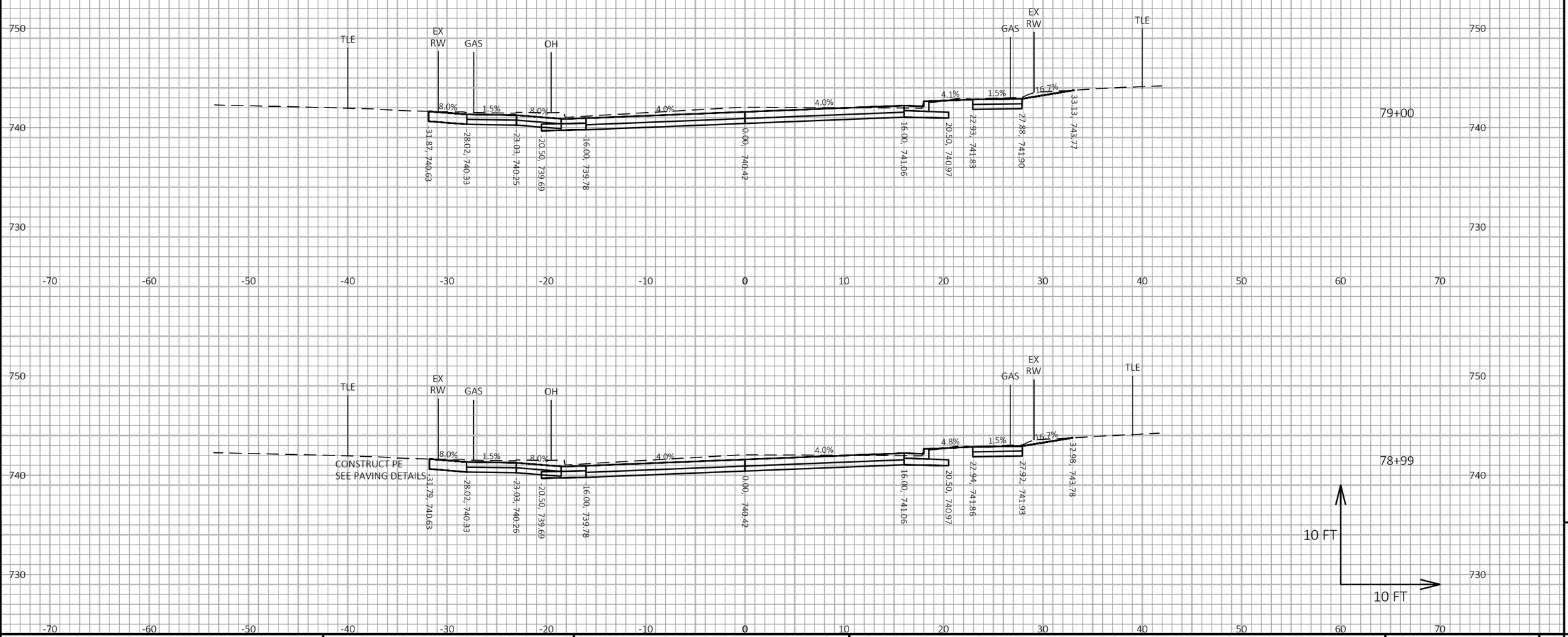
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 710	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 75

PLOT DATE : 7/23/2020 12:22 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

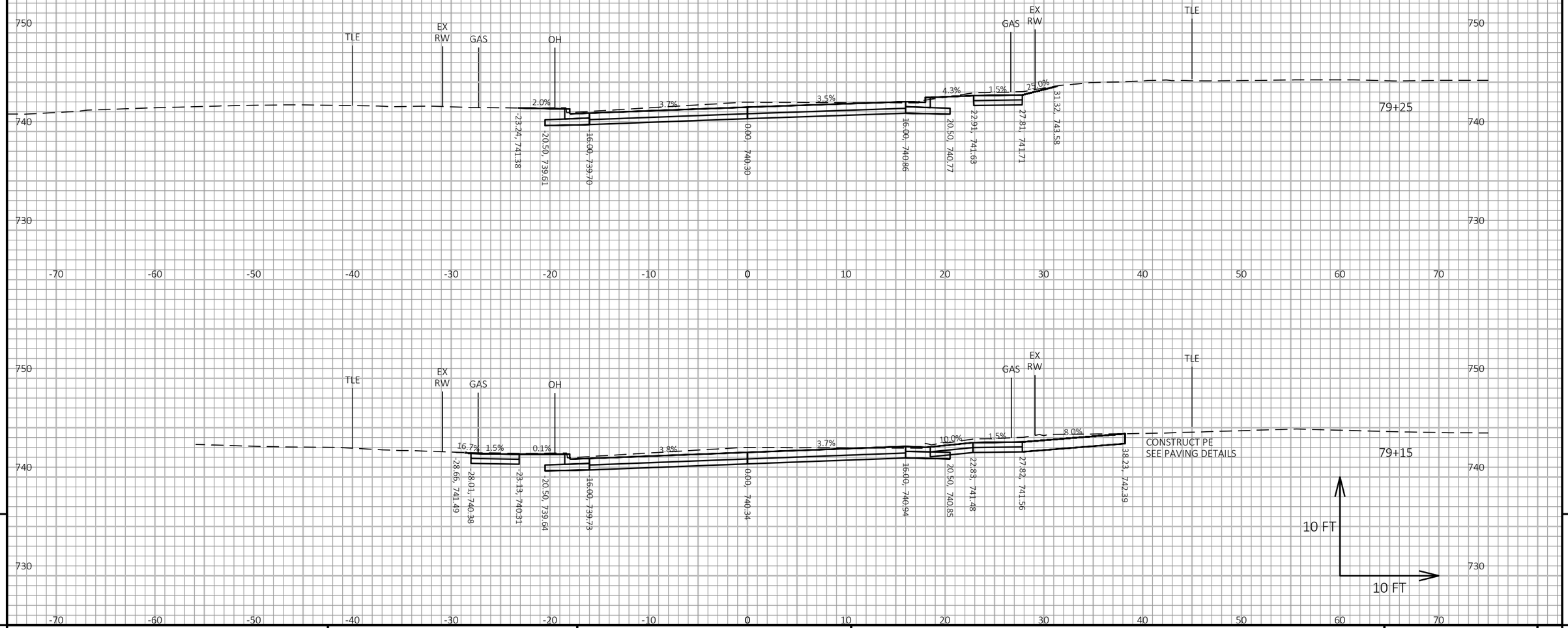


PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 711 E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 76

PLOT DATE : 7/23/2020 12:22 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

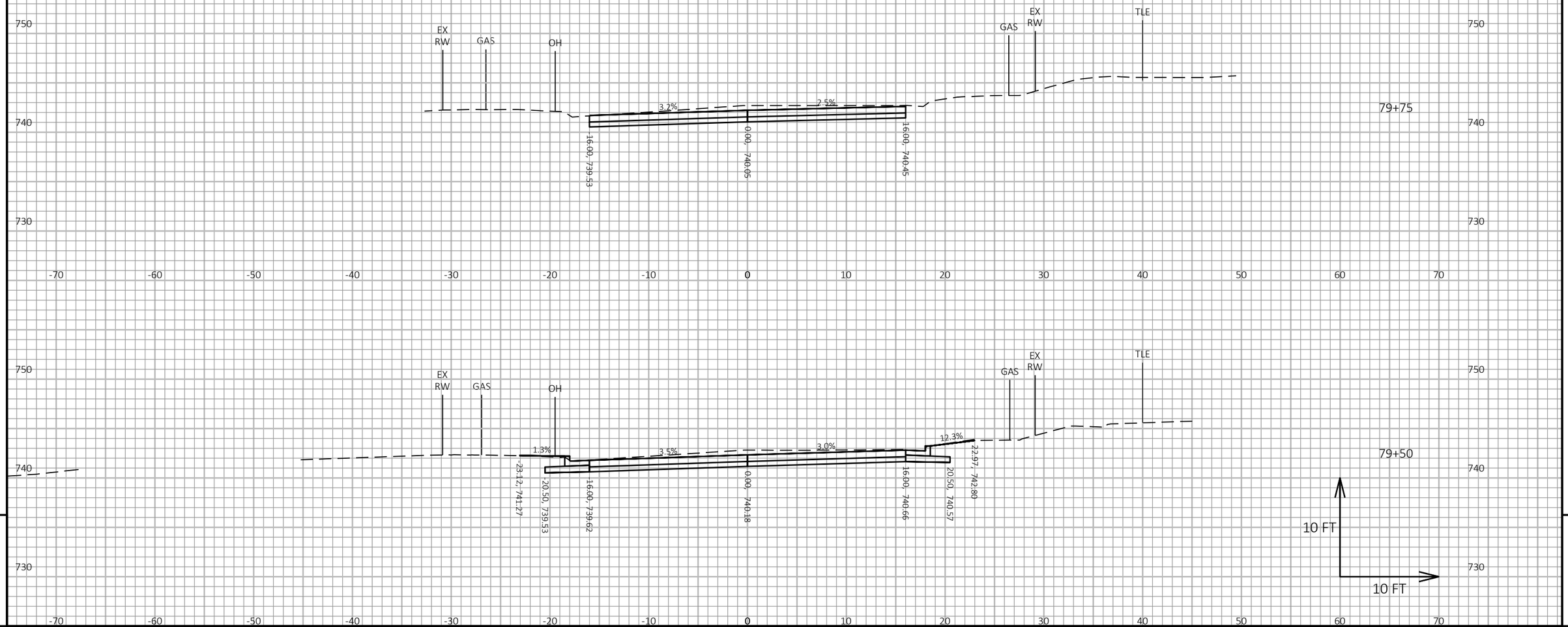


PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 712 E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 77

PLOT DATE : 7/23/2020 12:22 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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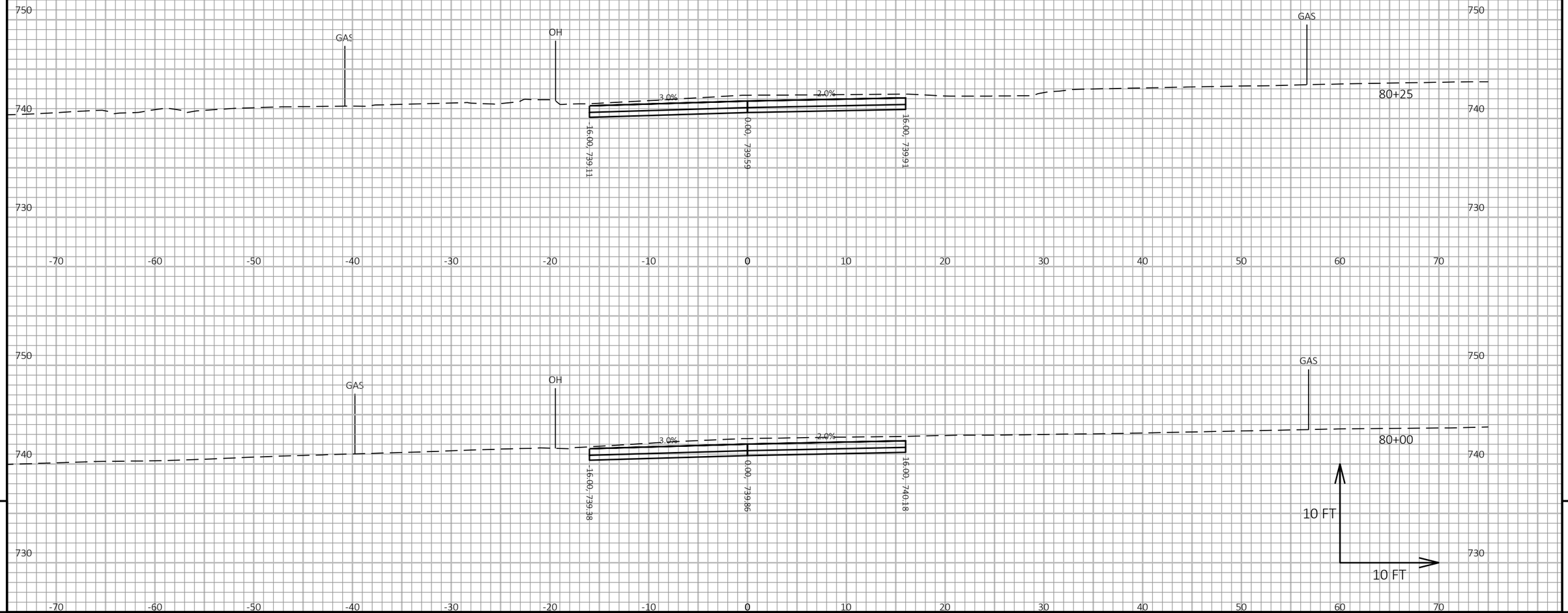
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 713	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 78

PLOT DATE : 7/23/2020 12:22 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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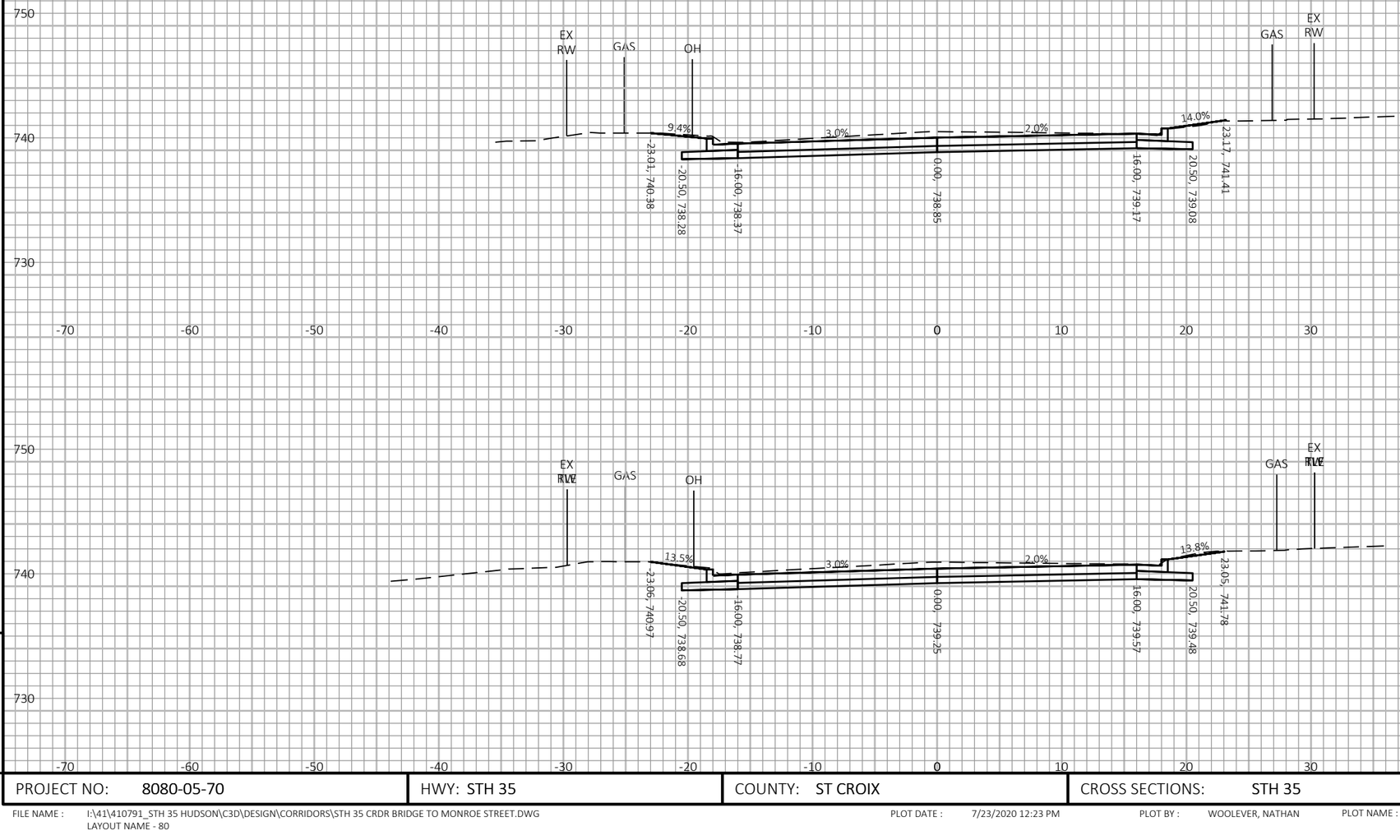
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 714	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 79

PLOT DATE : 7/23/2020 12:22 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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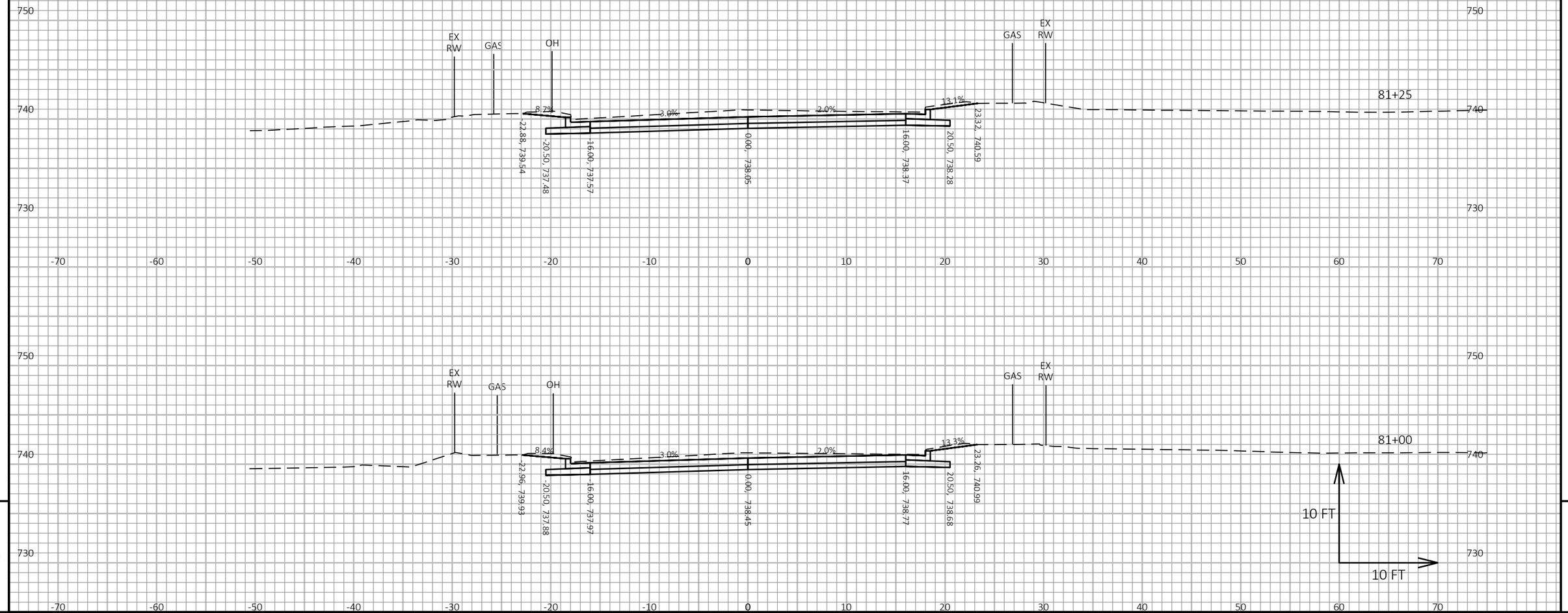
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 715	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 80

PLOT DATE : 7/23/2020 12:23 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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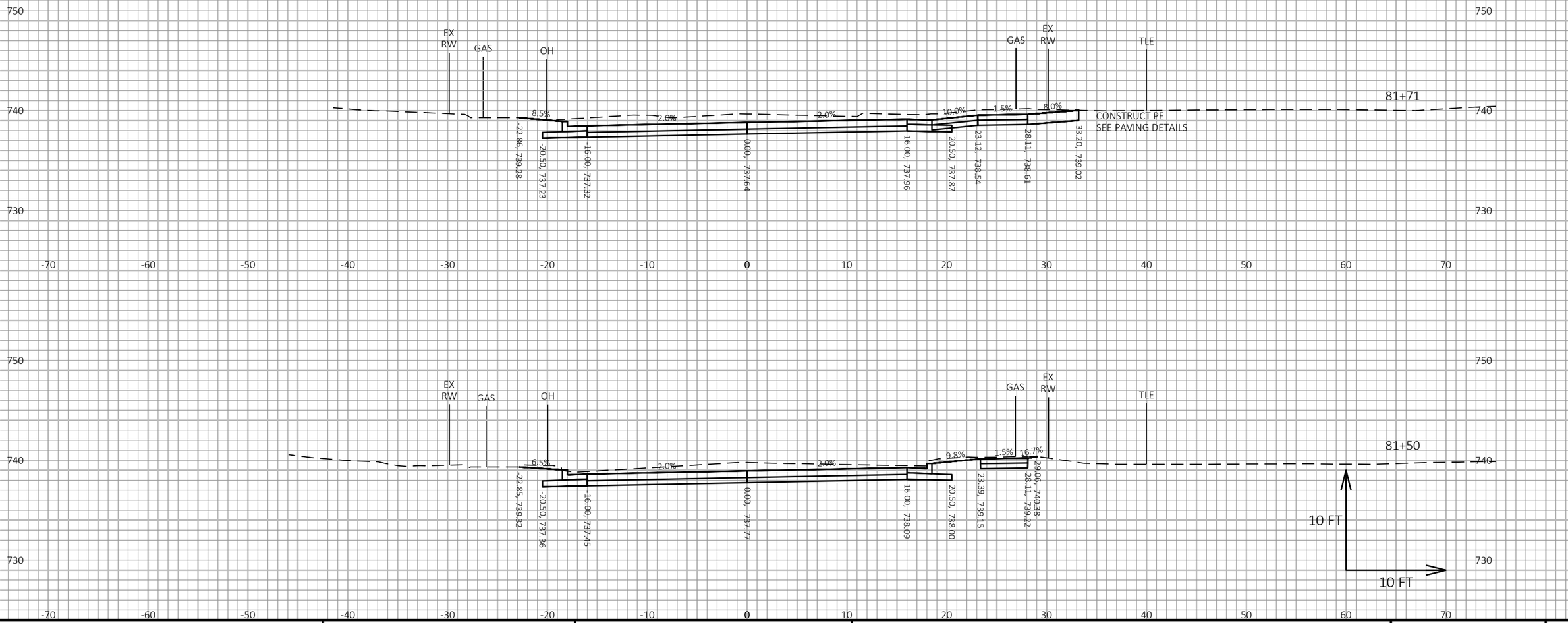
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 716	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 81

PLOT DATE : 7/23/2020 12:23 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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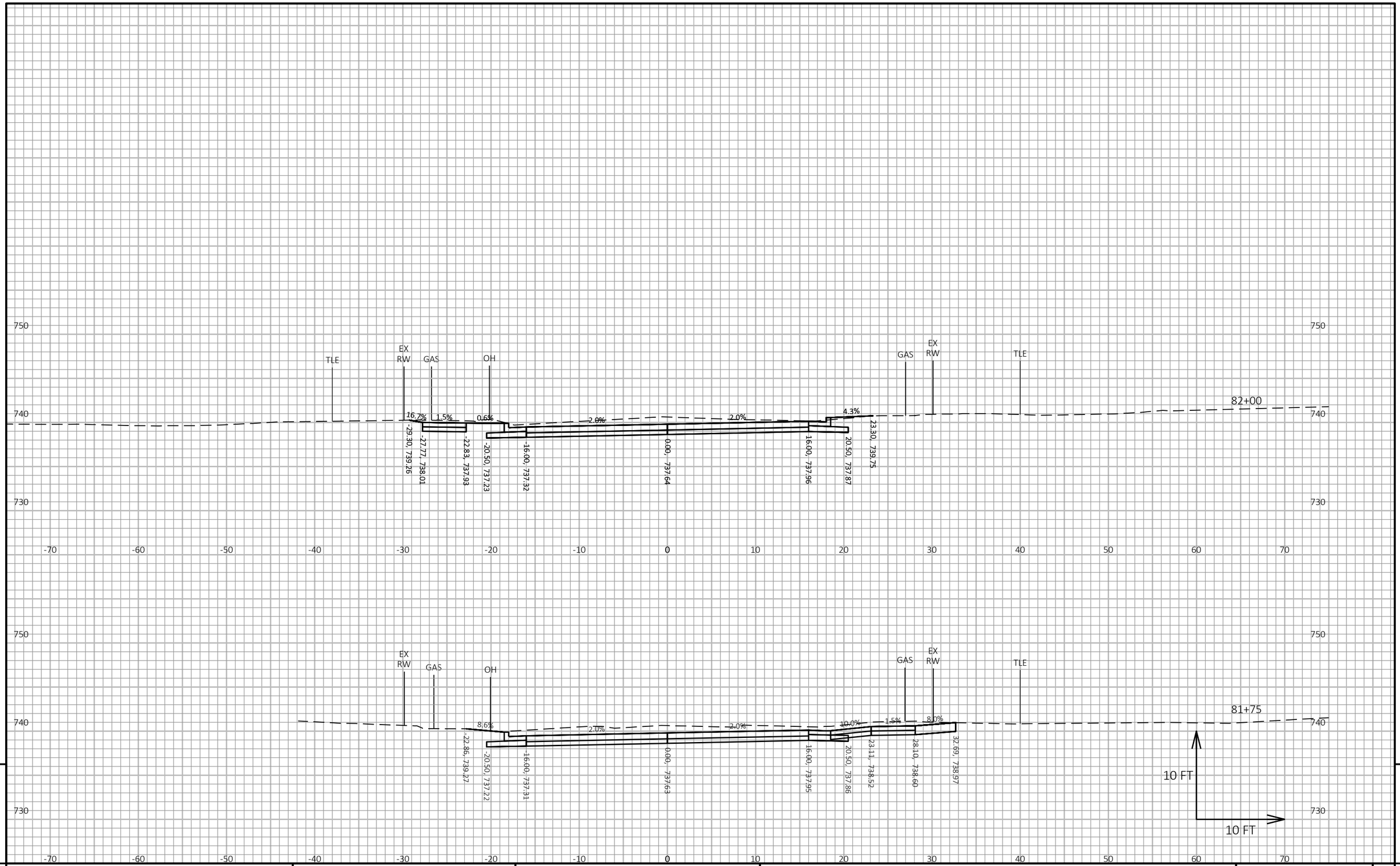
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 717	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 82

PLOT DATE : 7/23/2020 12:23 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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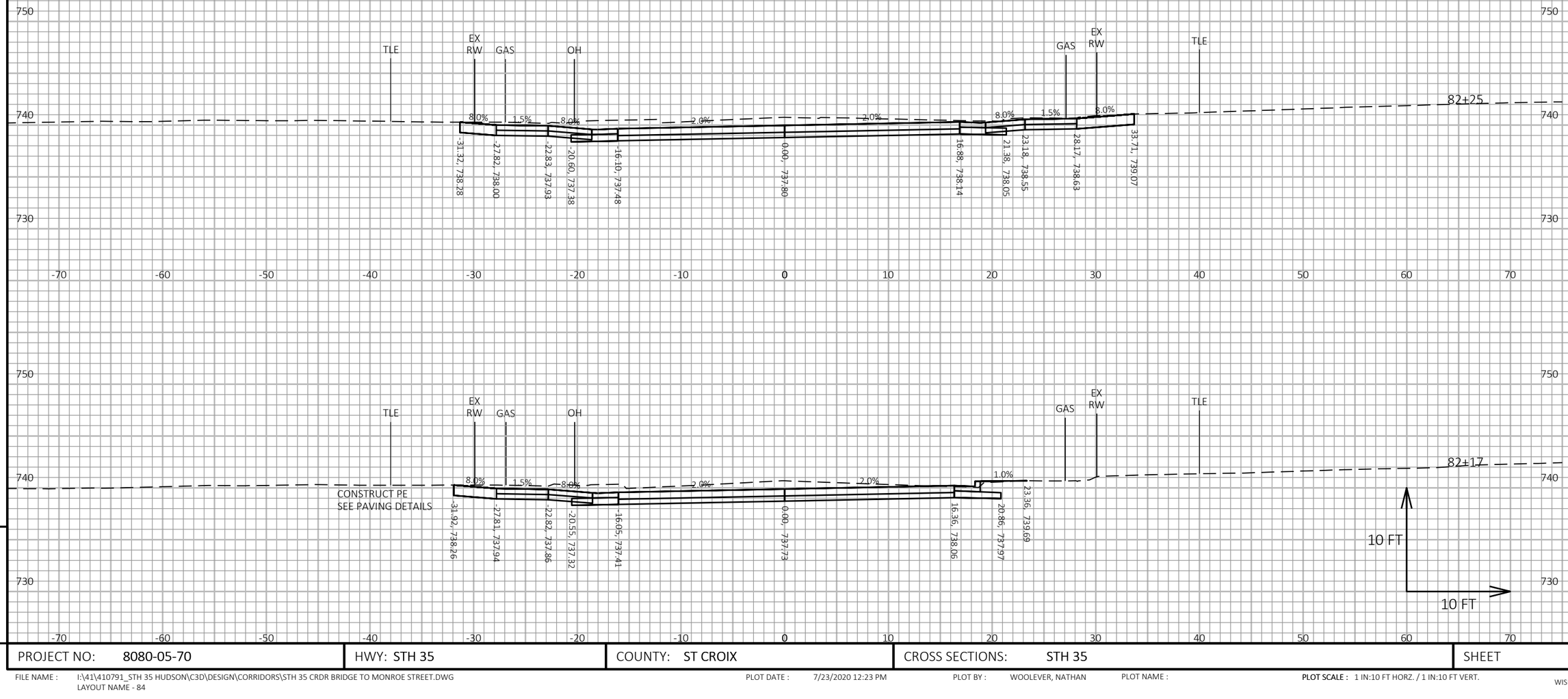
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 718	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 83

PLOT DATE : 7/23/2020 12:23 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

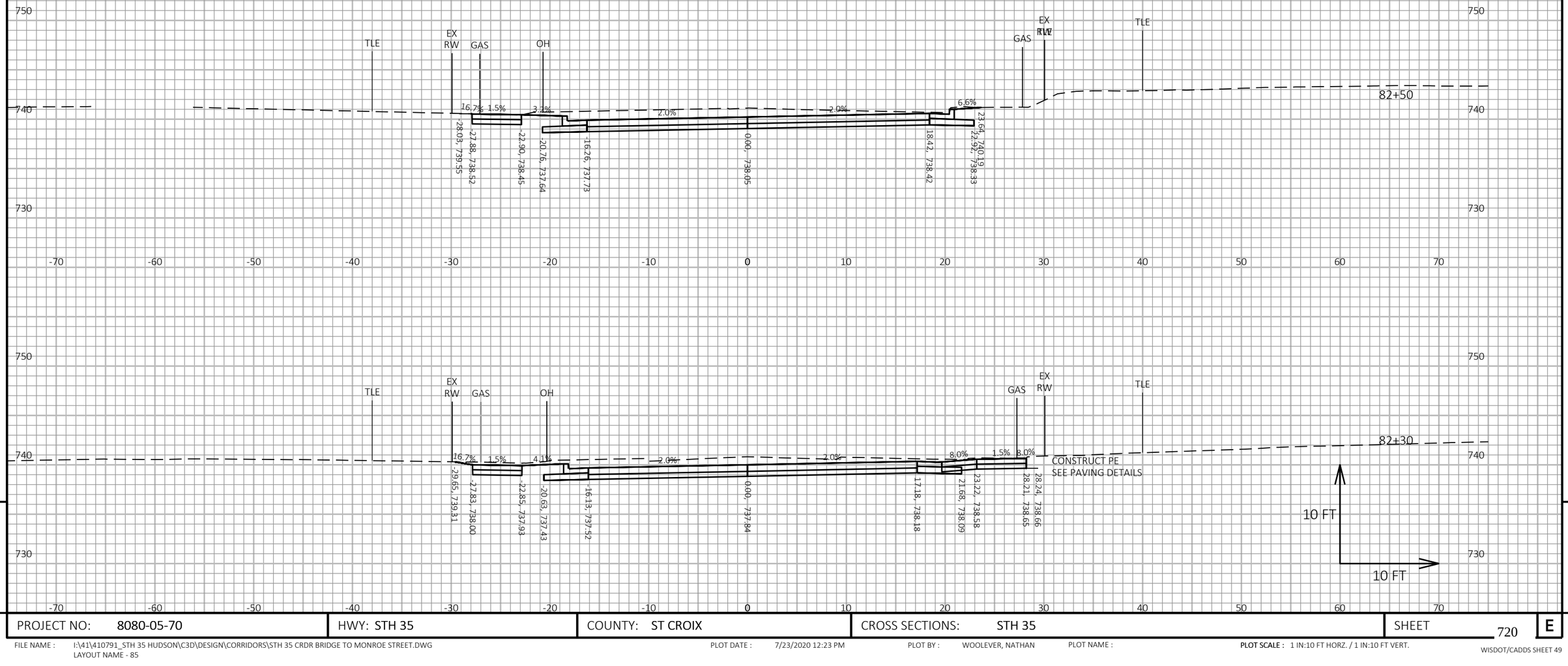


PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 719 E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 84

PLOT DATE : 7/23/2020 12:23 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 720	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 85

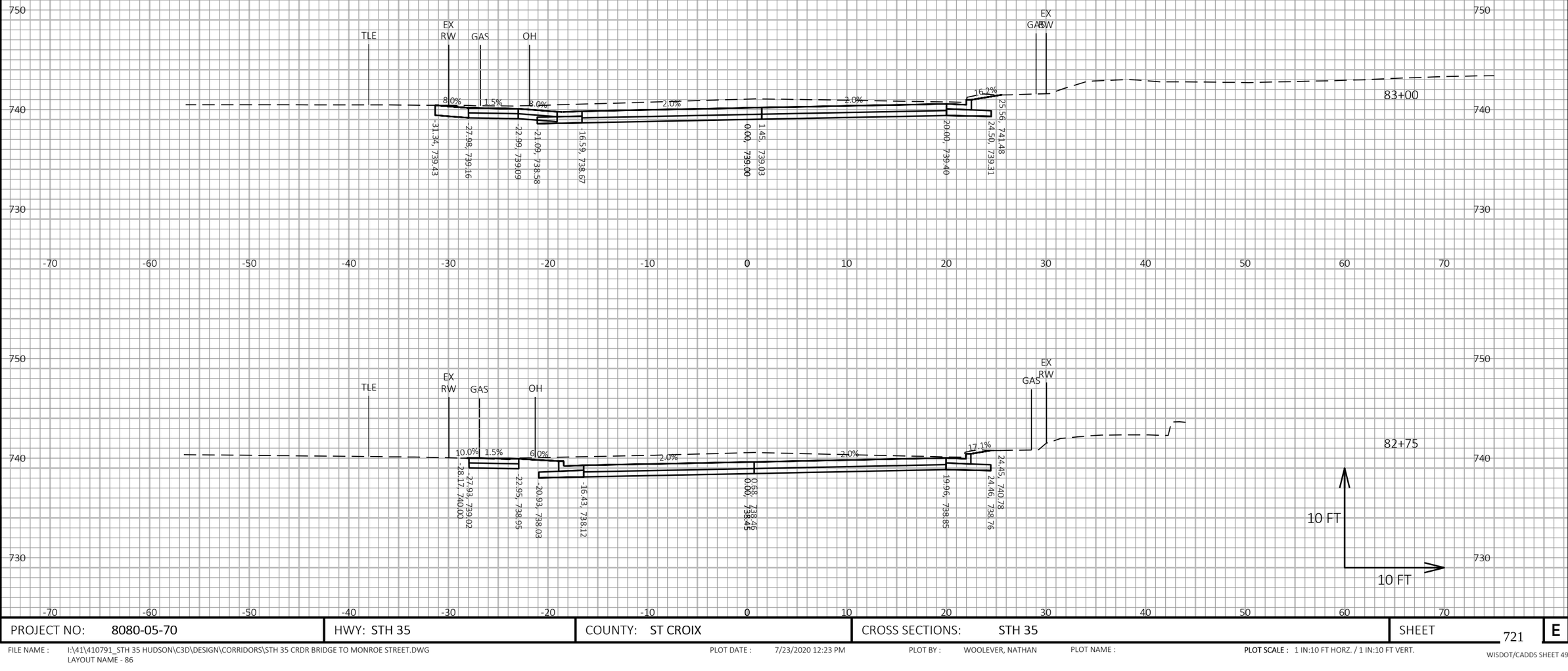
PLOT DATE : 7/23/2020 12:23 PM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

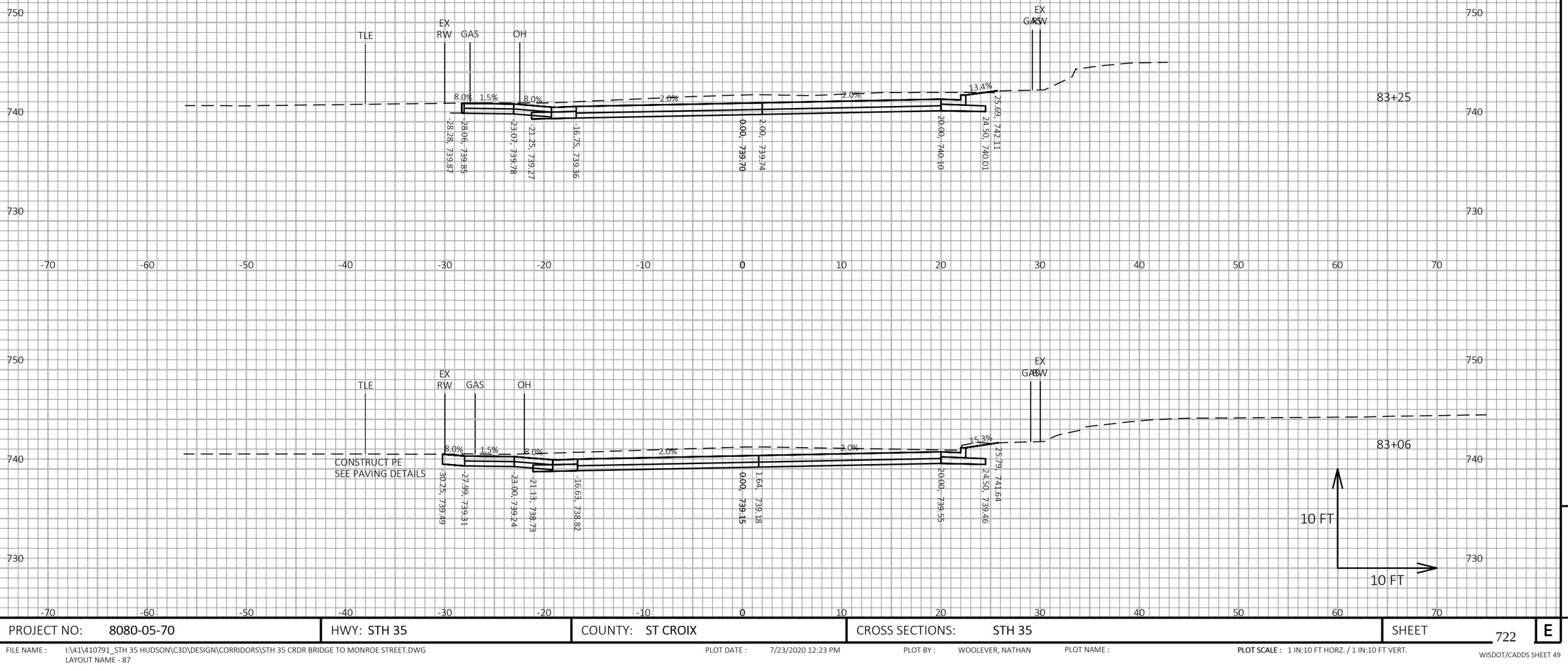
WISDOT/CADDS SHEET 49



PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 721	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 86

PLOT DATE : 7/23/2020 12:23 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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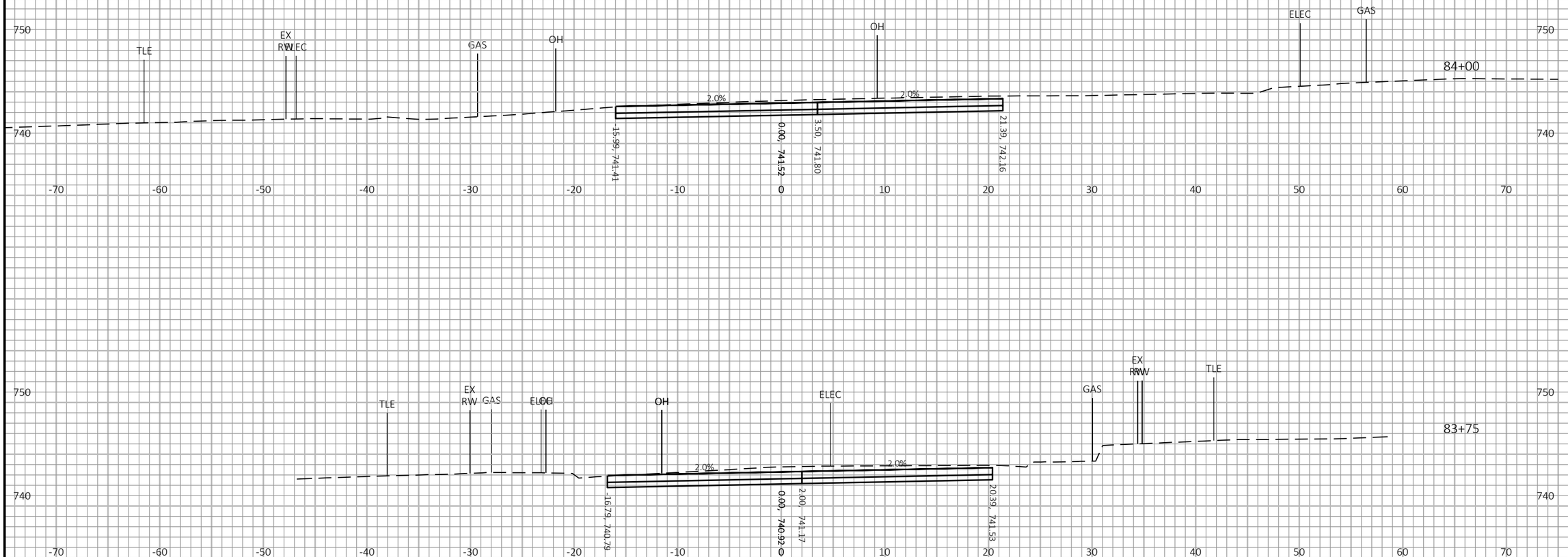
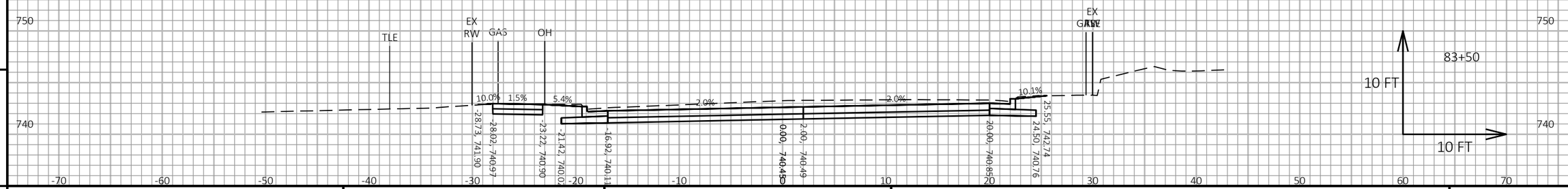
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 722	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 87

PLOT DATE : 7/23/2020 12:23 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.





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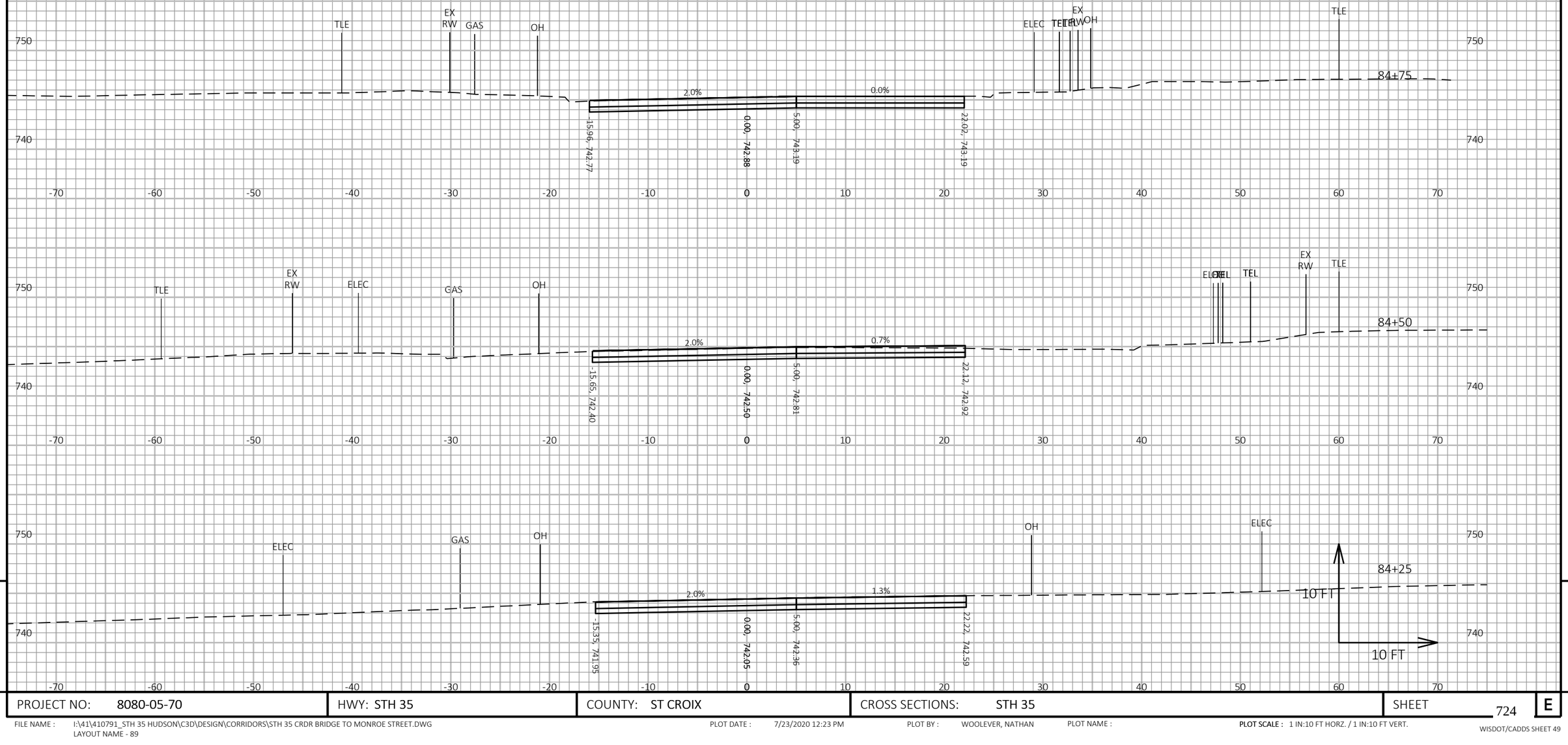
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 723	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 88

PLOT DATE : 7/23/2020 12:23 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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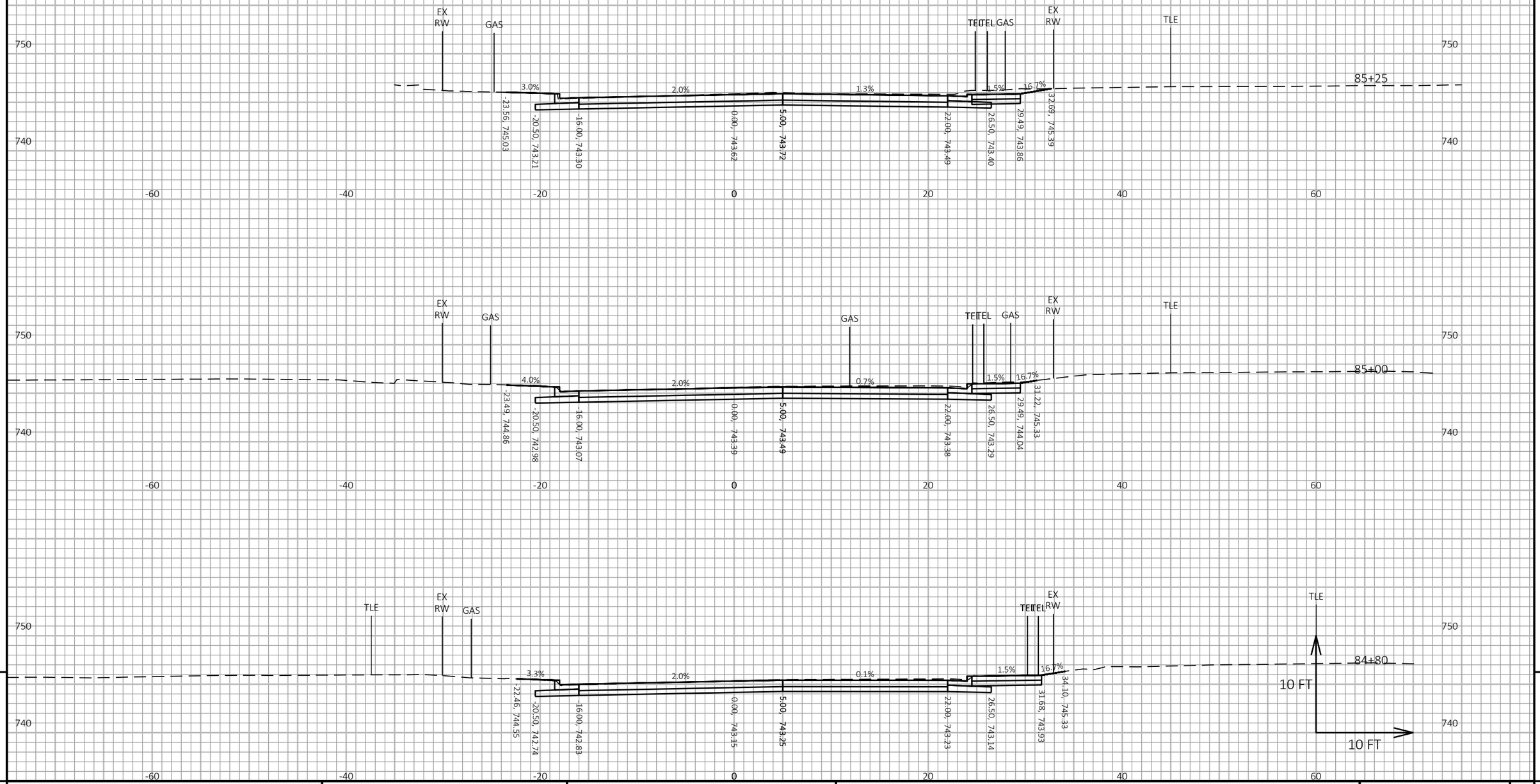
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 724	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR BRIDGE TO MONROE STREET.DWG
LAYOUT NAME - 89

PLOT DATE : 7/23/2020 12:23 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 725	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 38

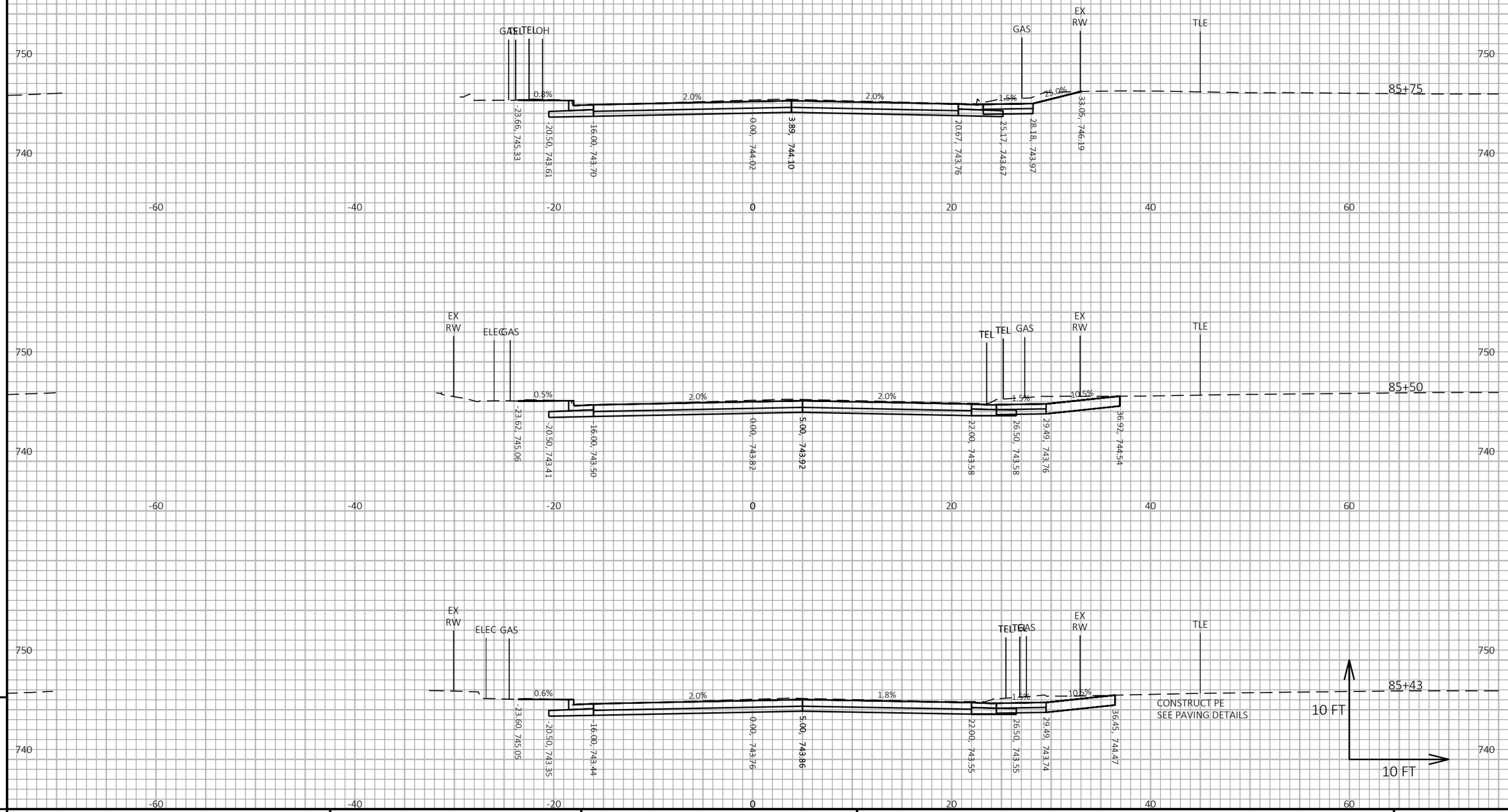
PLOT DATE : 7/23/2020 10:56 AM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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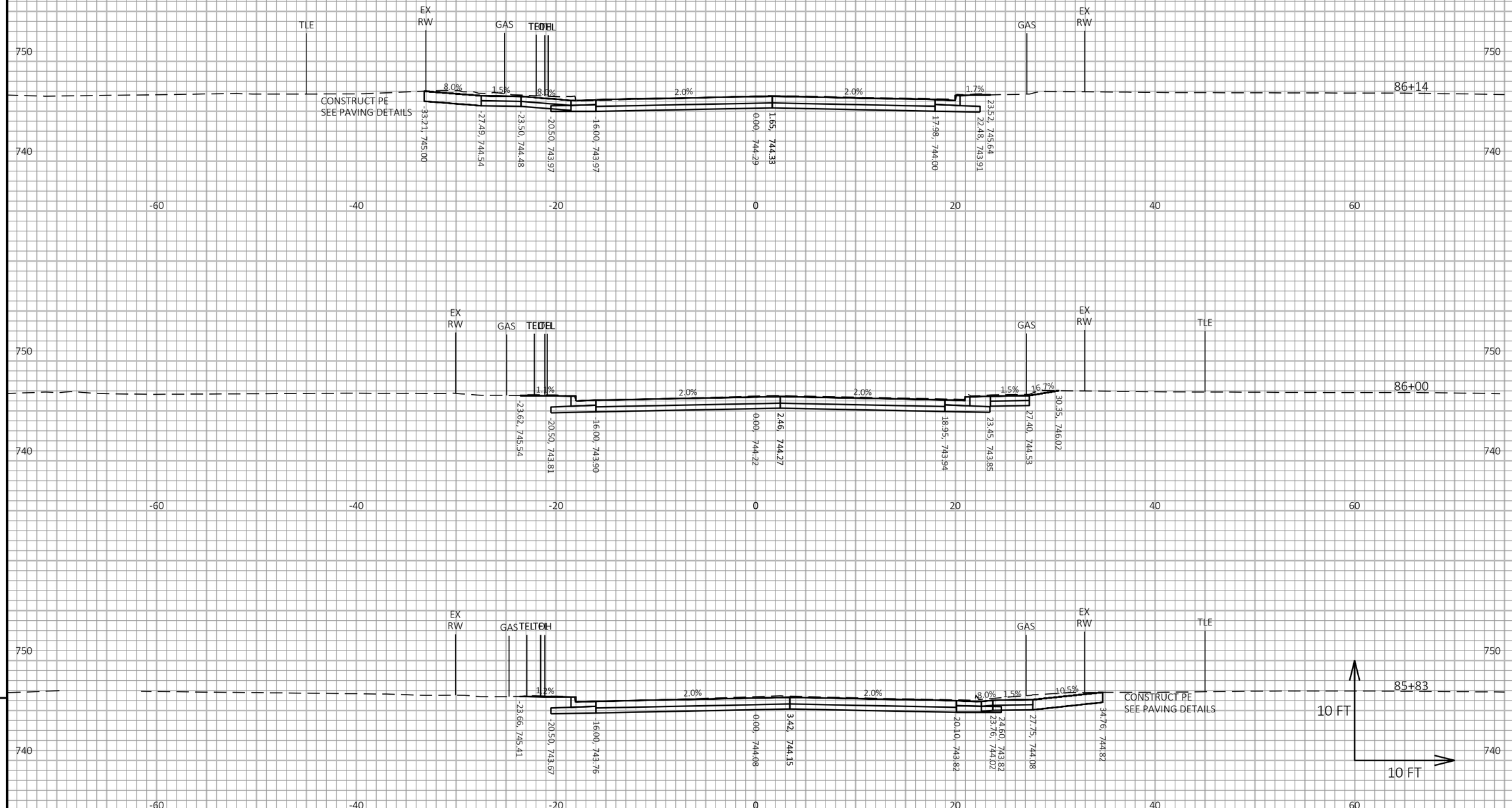
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 726	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 39

PLOT DATE : 7/23/2020 12:11 PM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

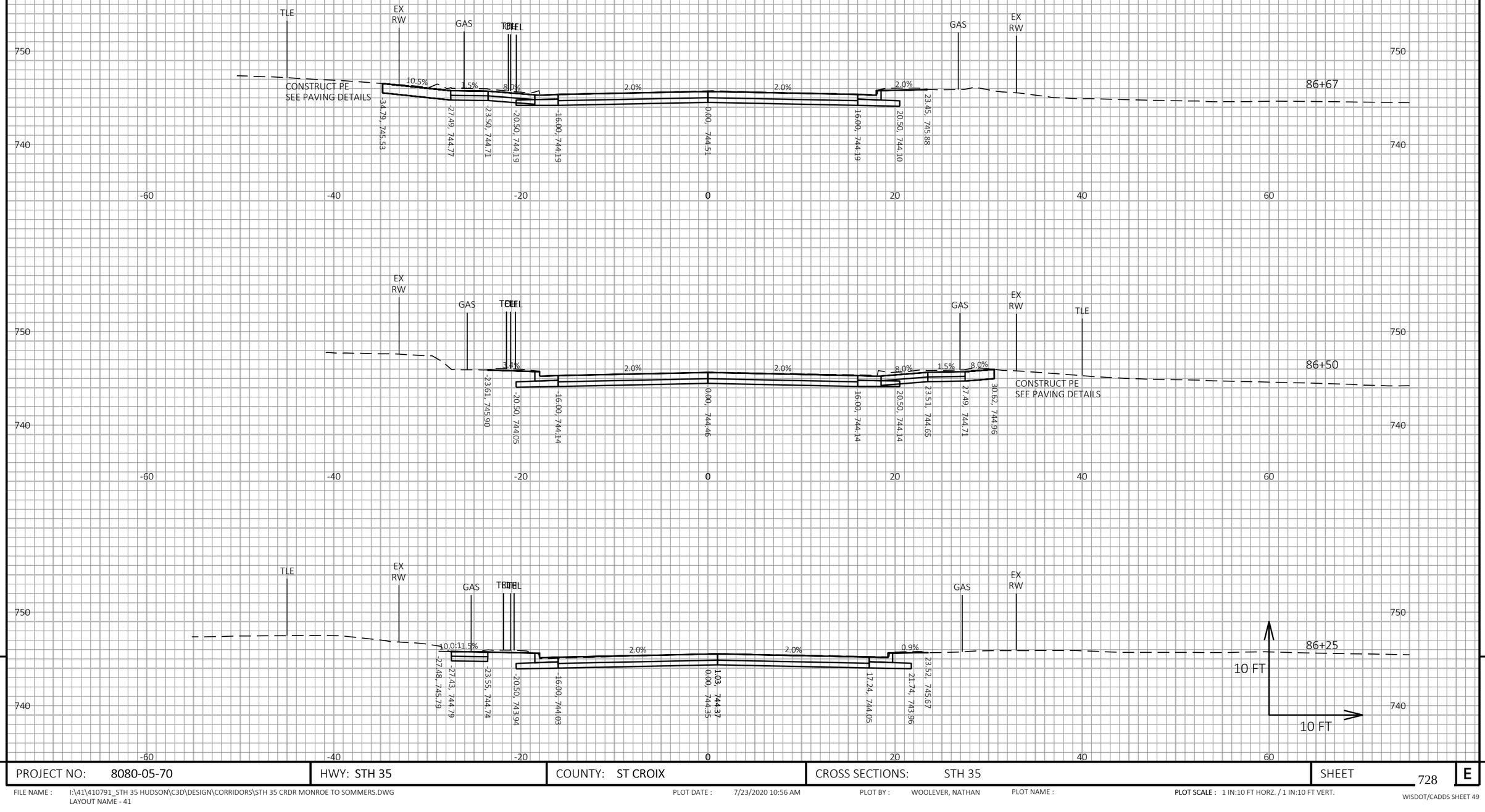


PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 727	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 40

PLOT DATE : 7/23/2020 10:56 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



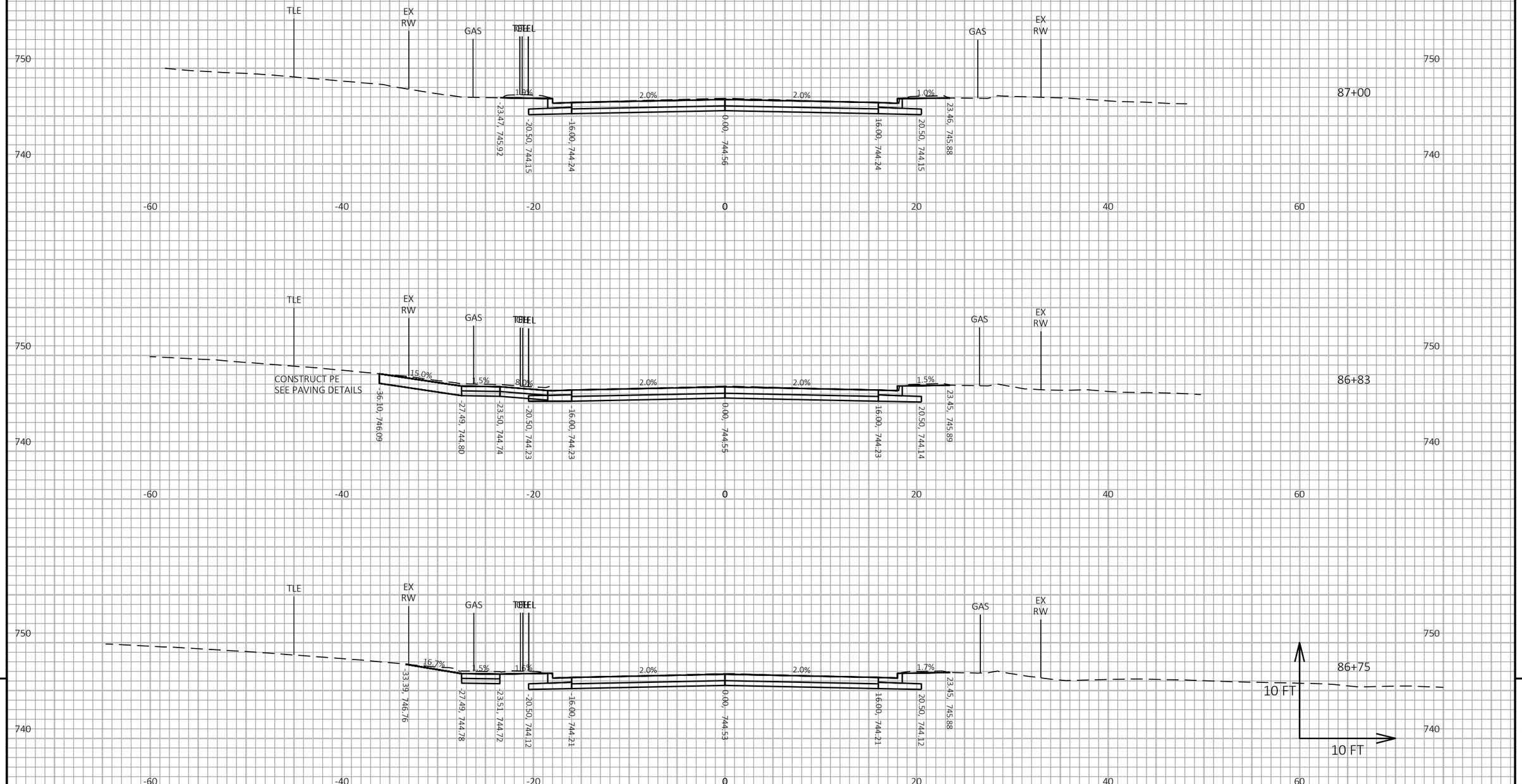
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 728	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 41

PLOT DATE : 7/23/2020 10:56 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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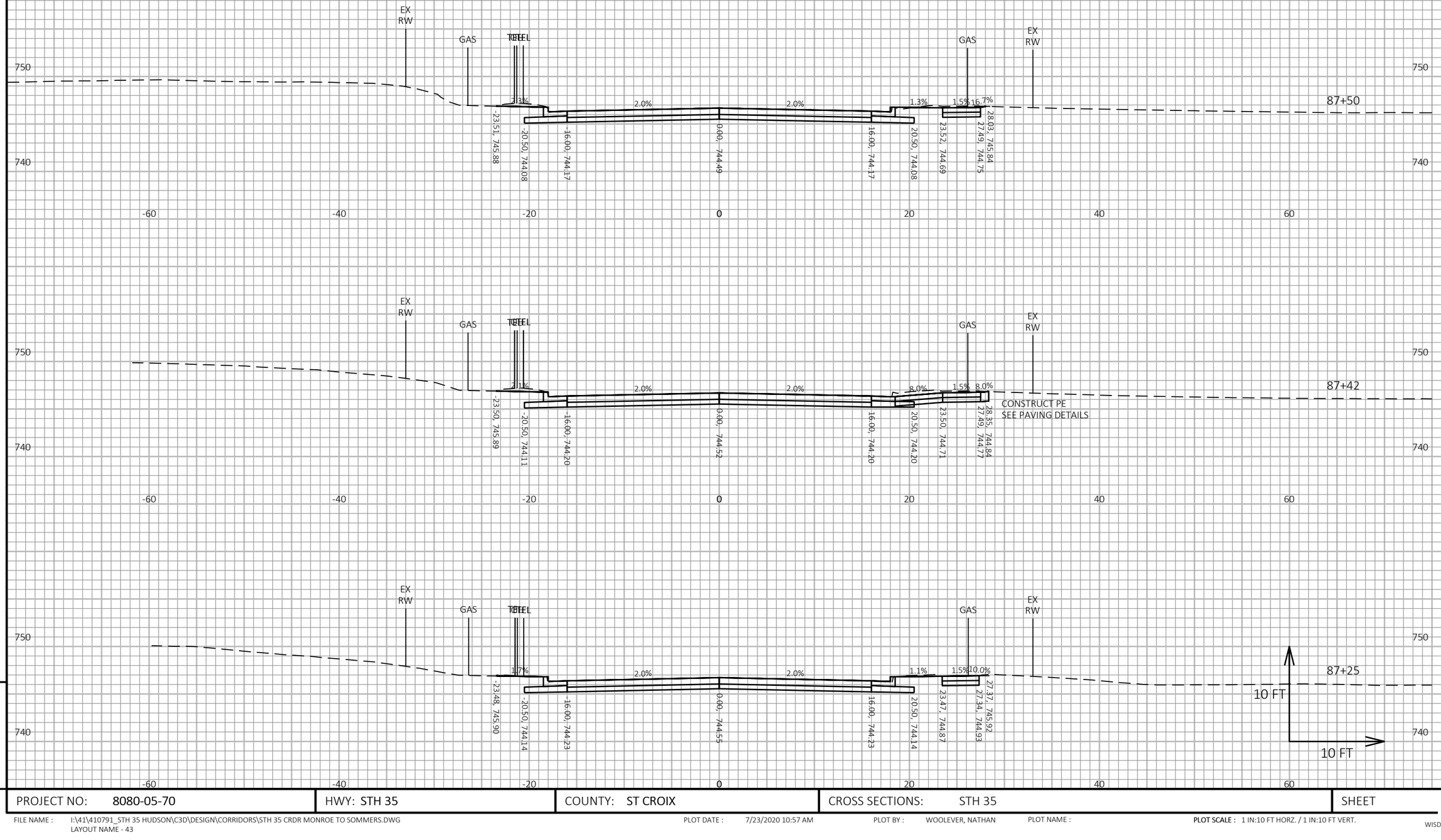
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 729	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 42

PLOT DATE : 7/23/2020 10:56 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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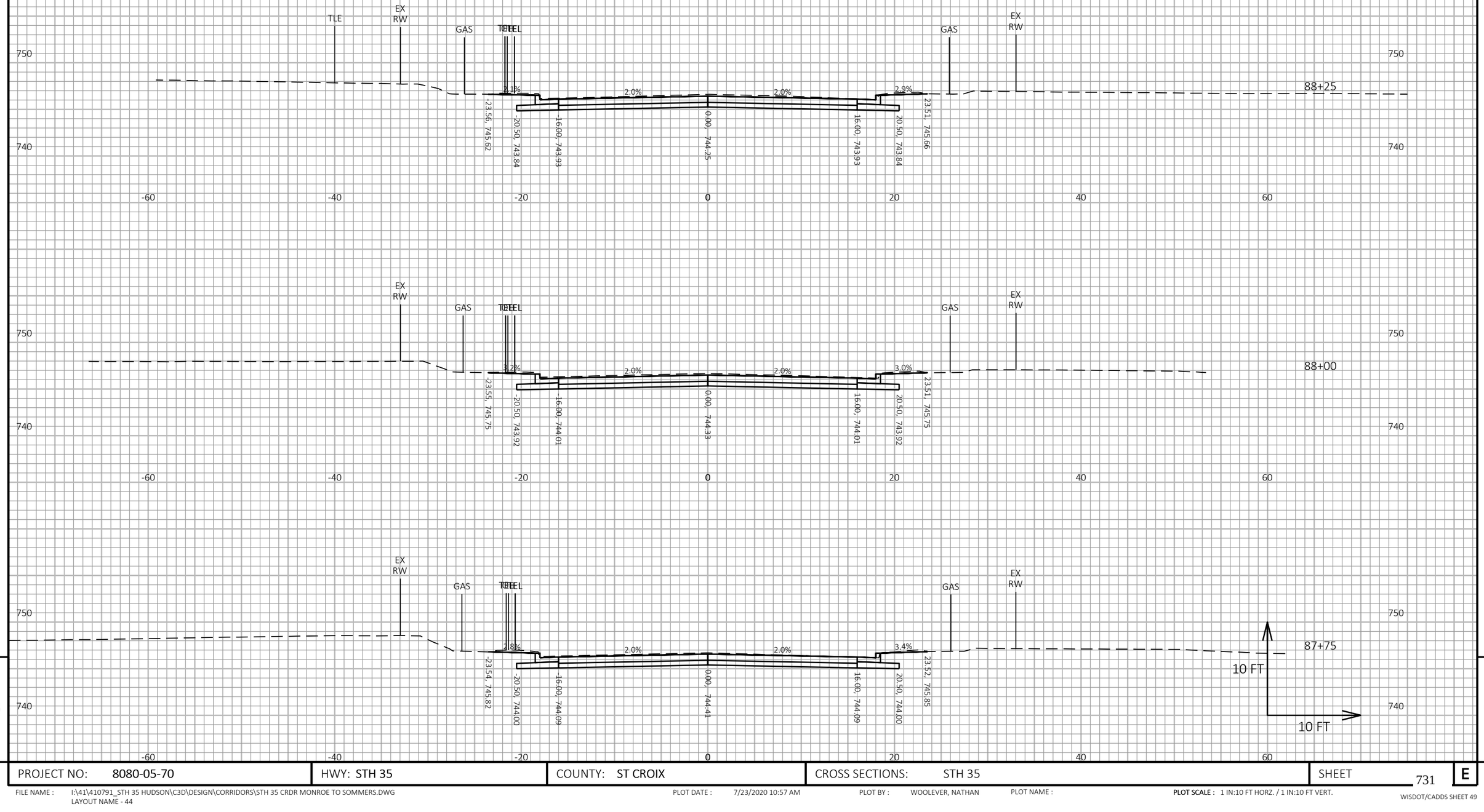
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 730	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 43

PLOT DATE : 7/23/2020 10:57 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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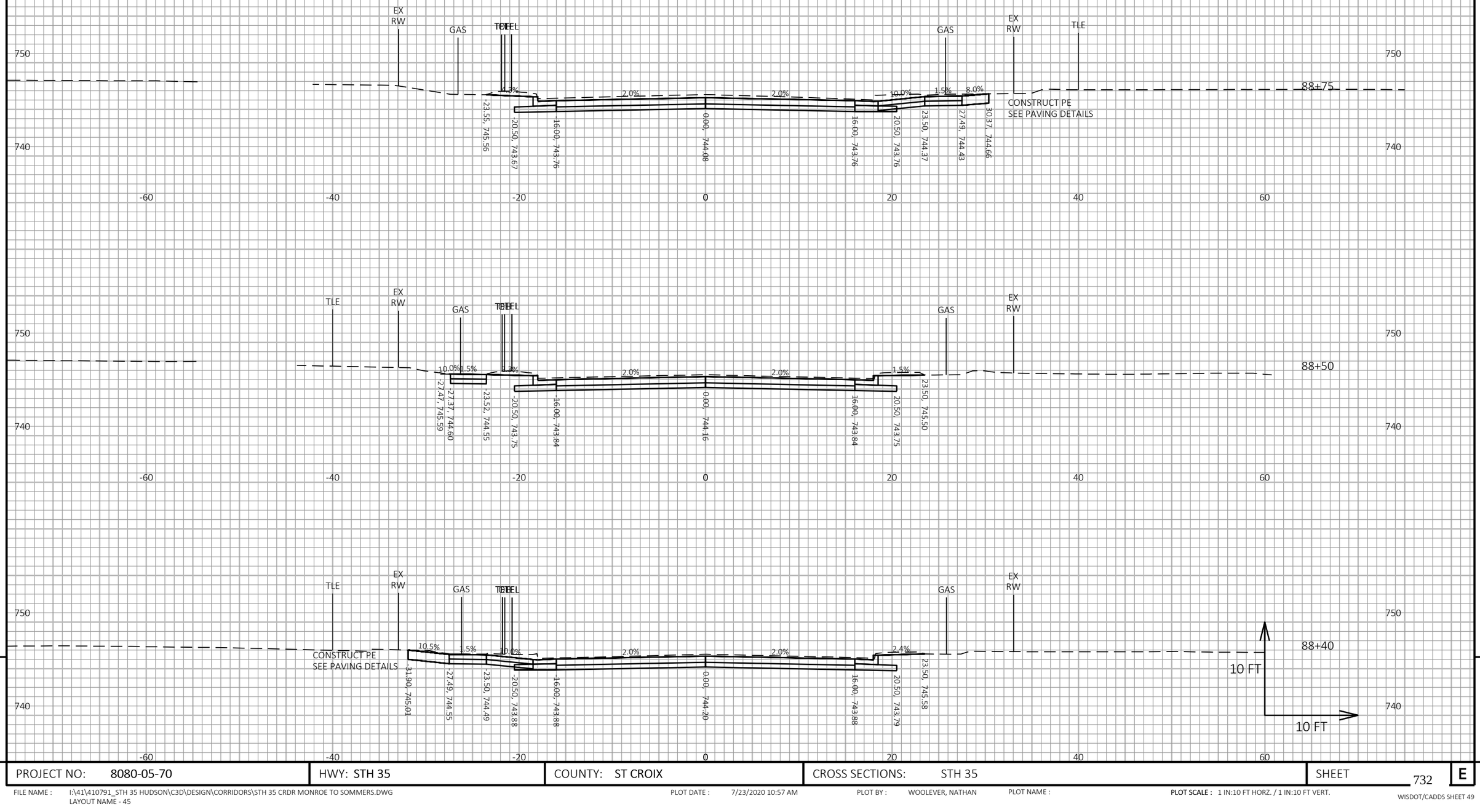
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 731	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 44

PLOT DATE : 7/23/2020 10:57 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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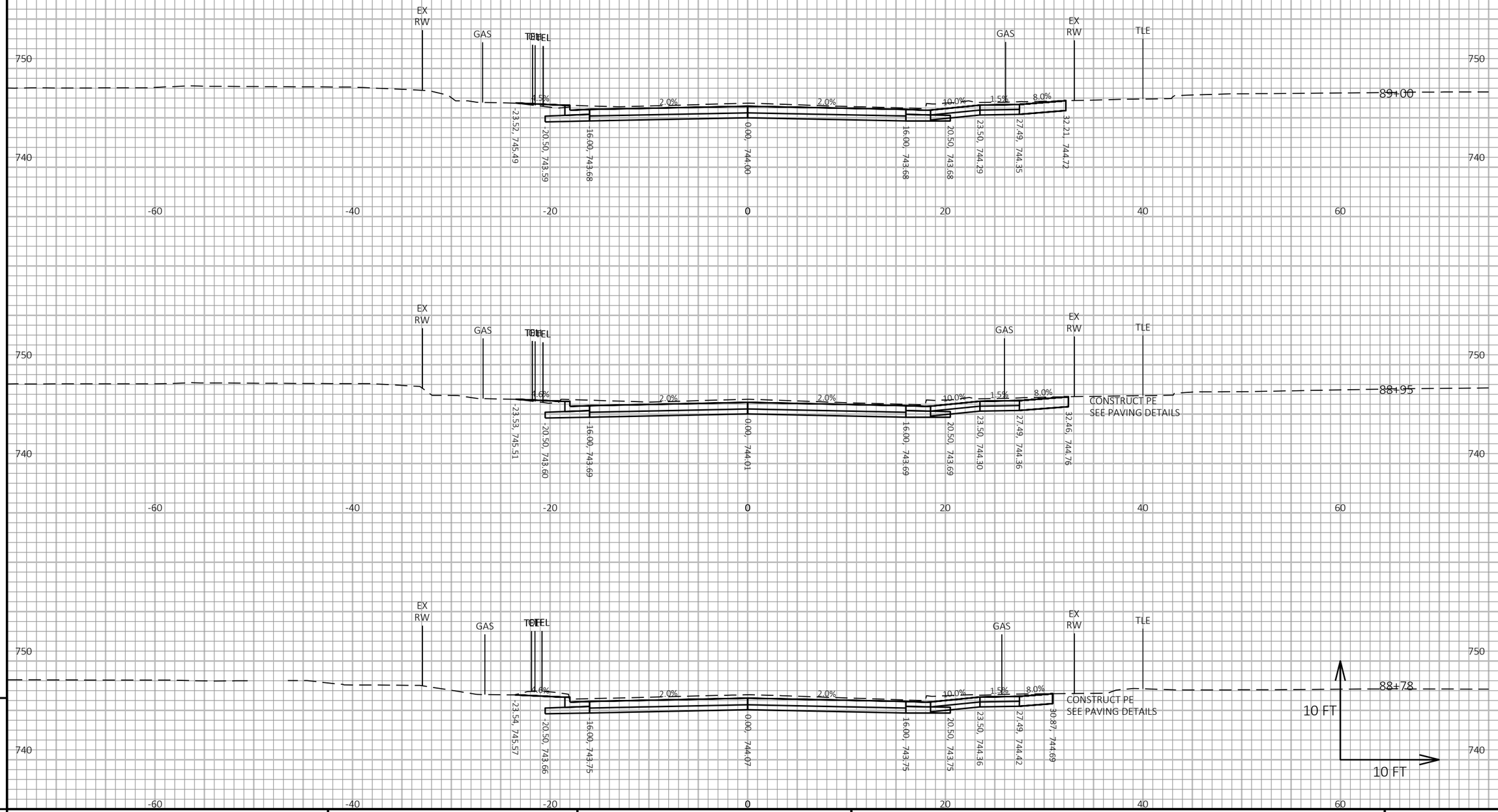
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 732	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 45

PLOT DATE : 7/23/2020 10:57 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

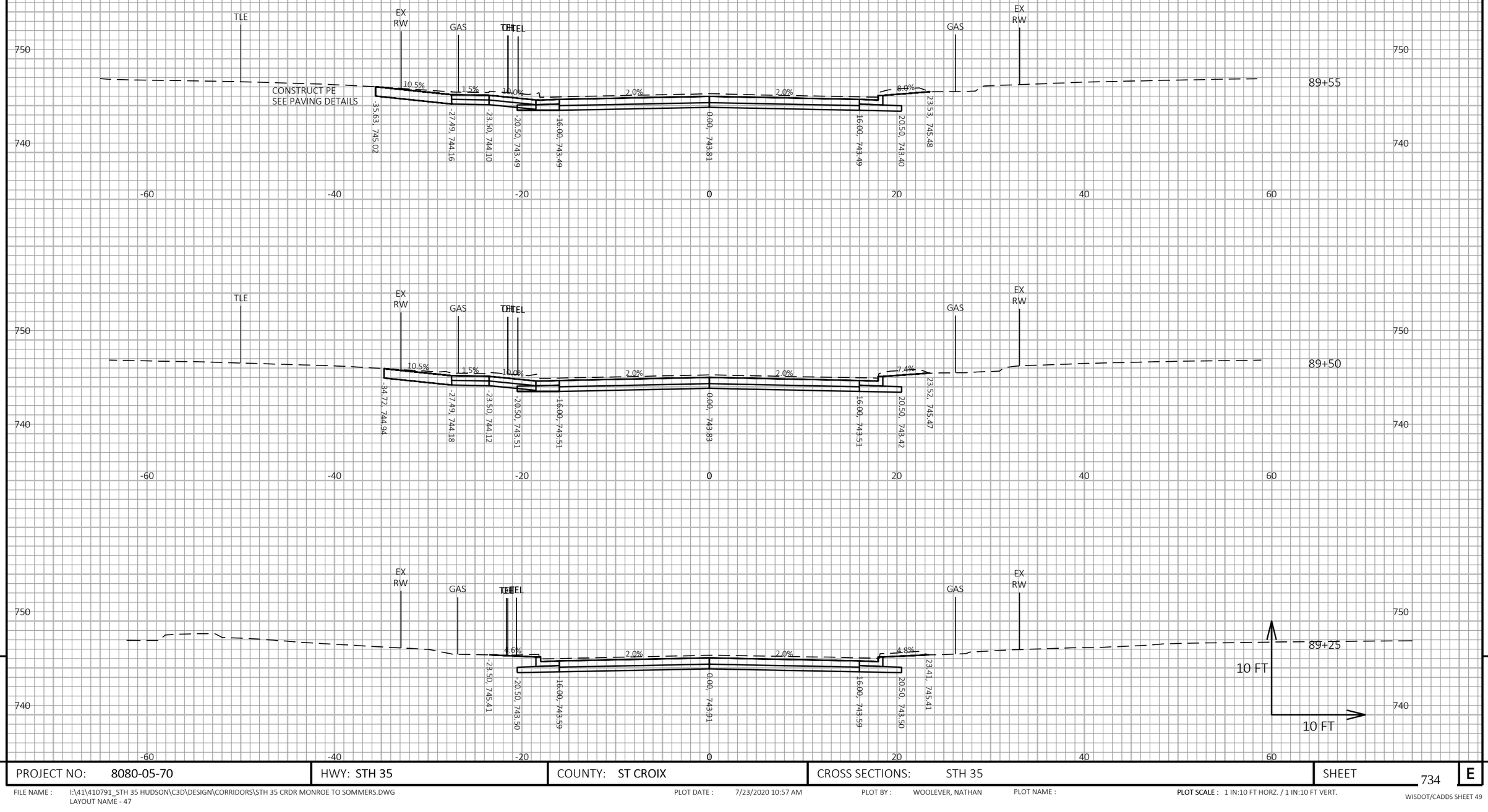


PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 733	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 46

PLOT DATE : 7/23/2020 10:57 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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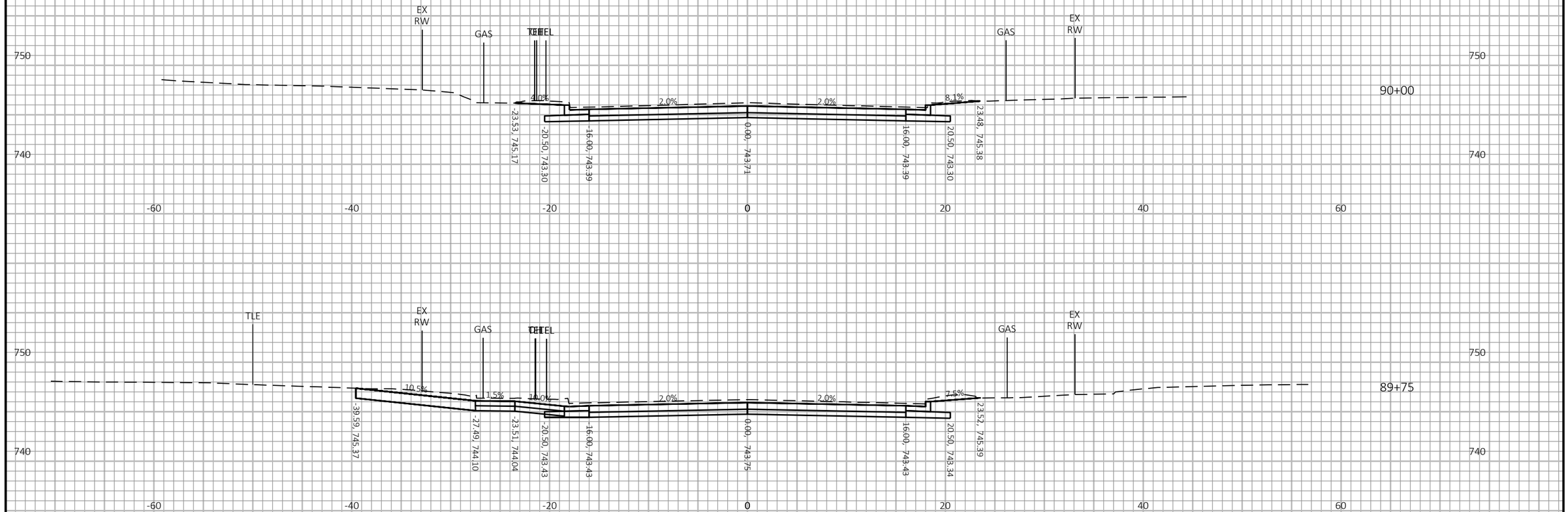
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 734	E

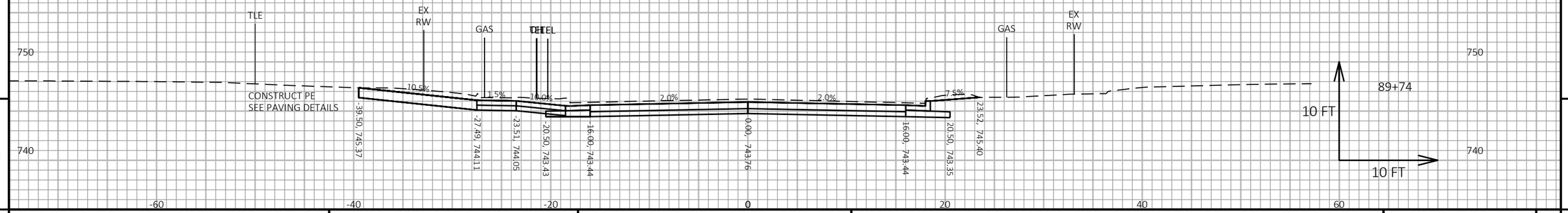
FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 47

PLOT DATE : 7/23/2020 10:57 AM PLOT BY : WOOLEVER, NATHAN 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: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 735	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 48

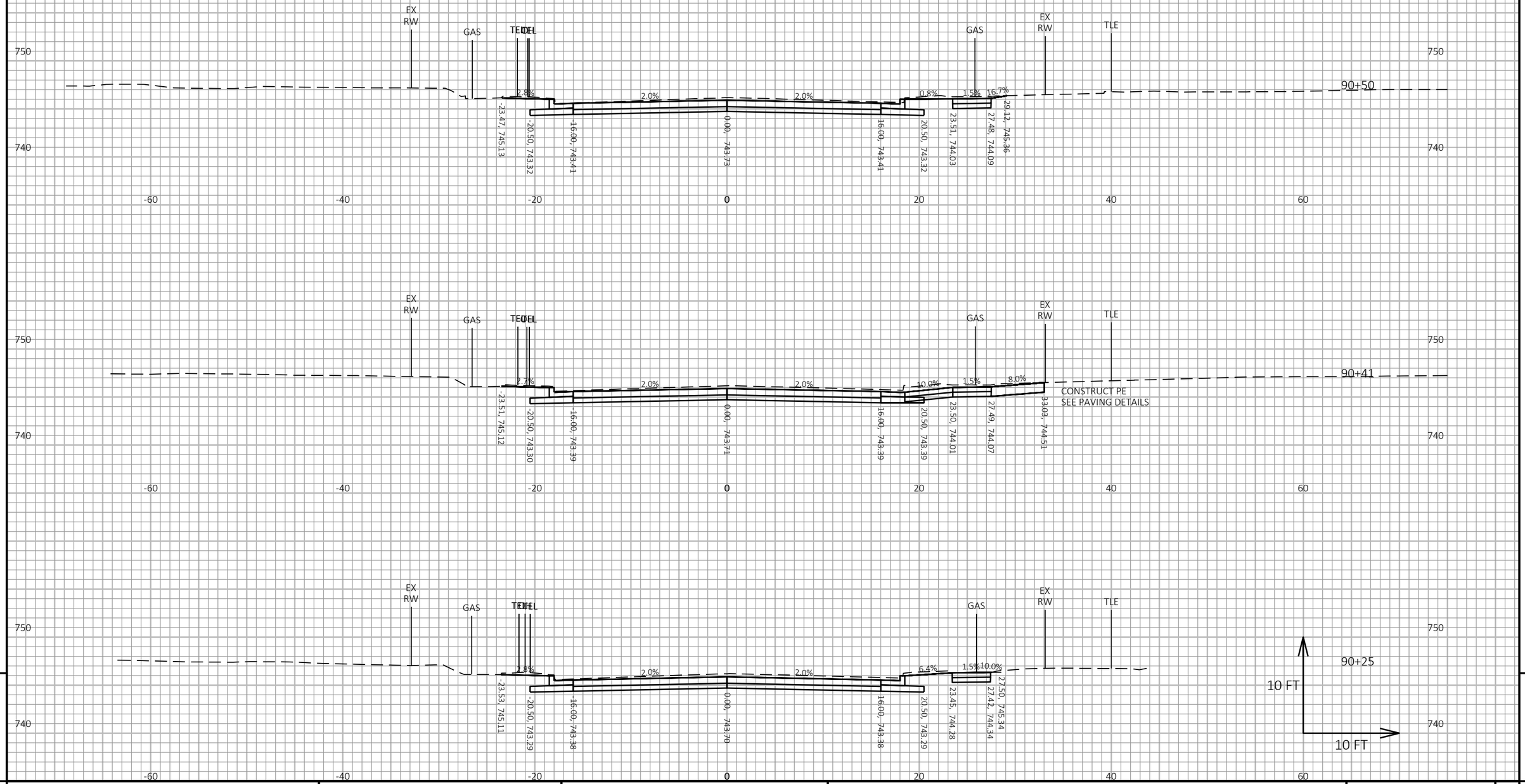
PLOT DATE : 7/23/2020 10:57 AM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

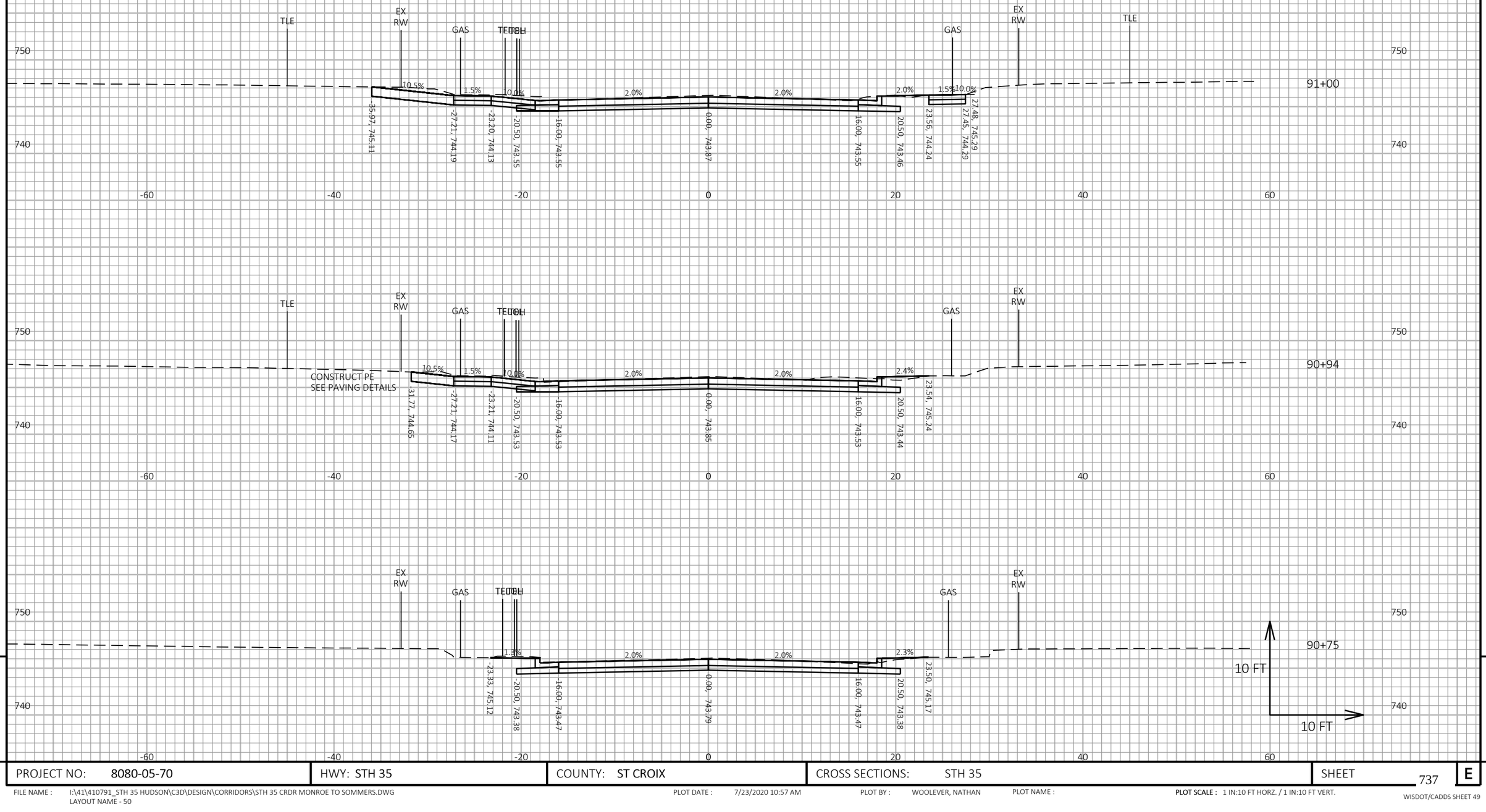
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 736	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 49

PLOT DATE : 7/23/2020 10:57 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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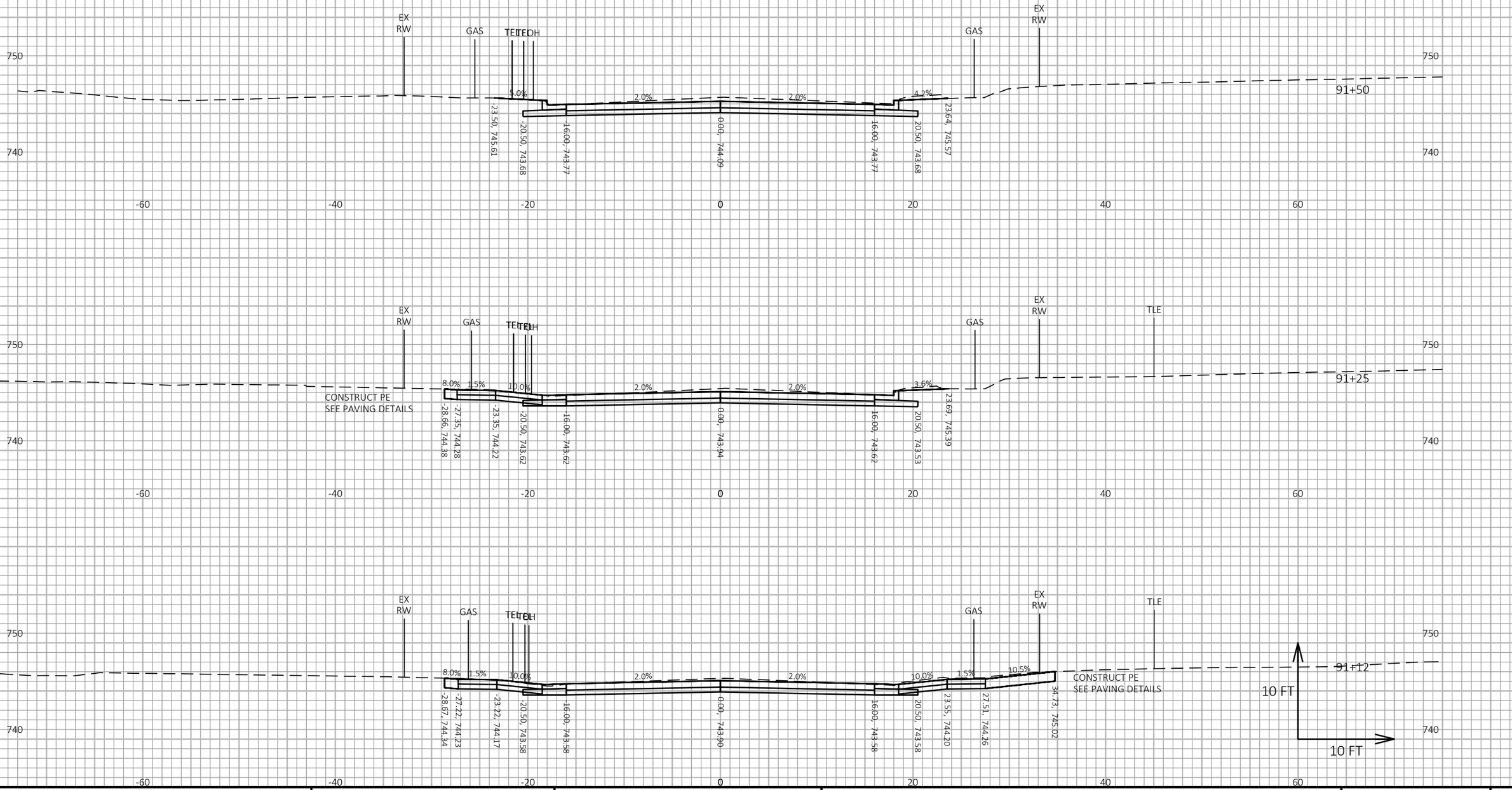
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 737	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 50

PLOT DATE : 7/23/2020 10:57 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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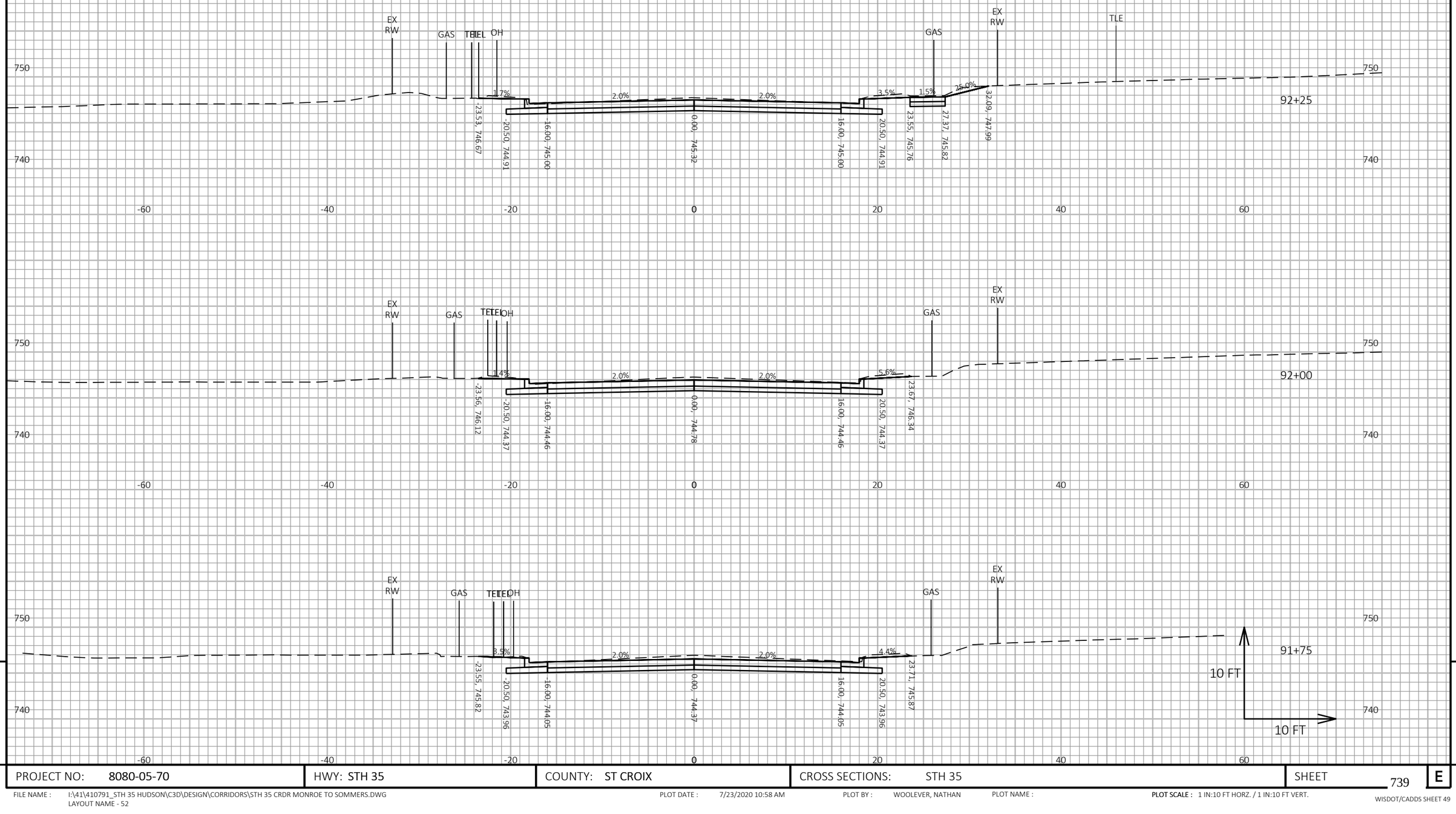
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 738	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 51

PLOT DATE : 7/23/2020 10:57 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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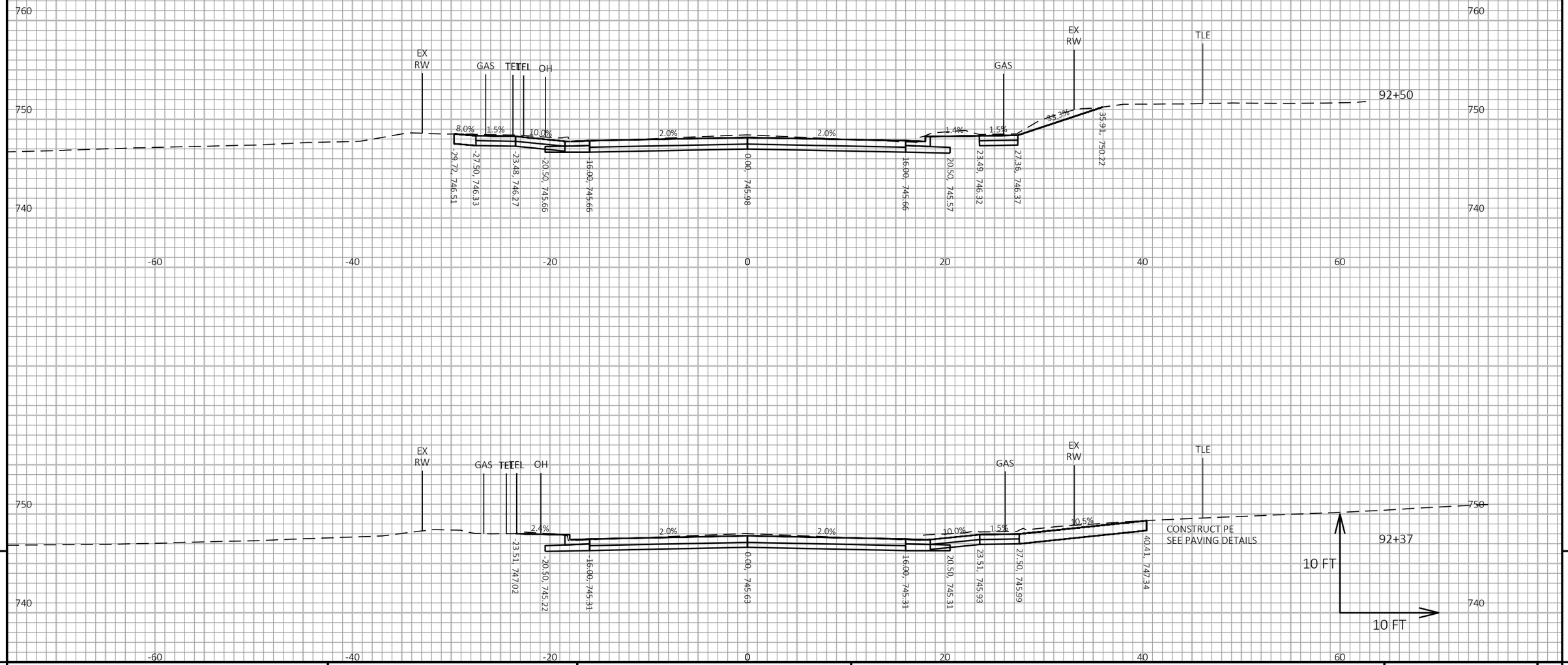
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 739	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 52

PLOT DATE : 7/23/2020 10:58 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 740 E

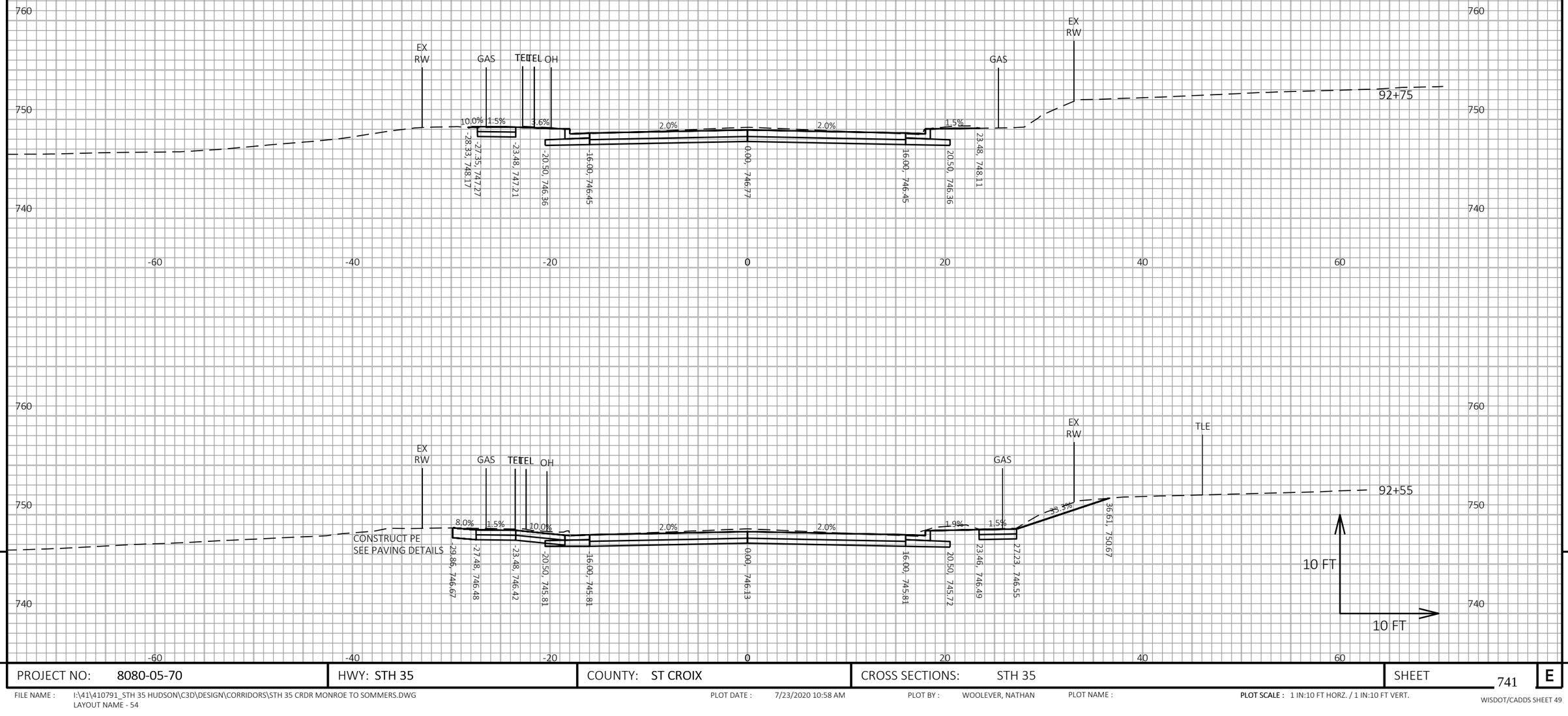
FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 53

PLOT DATE : 7/23/2020 10:58 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9 9



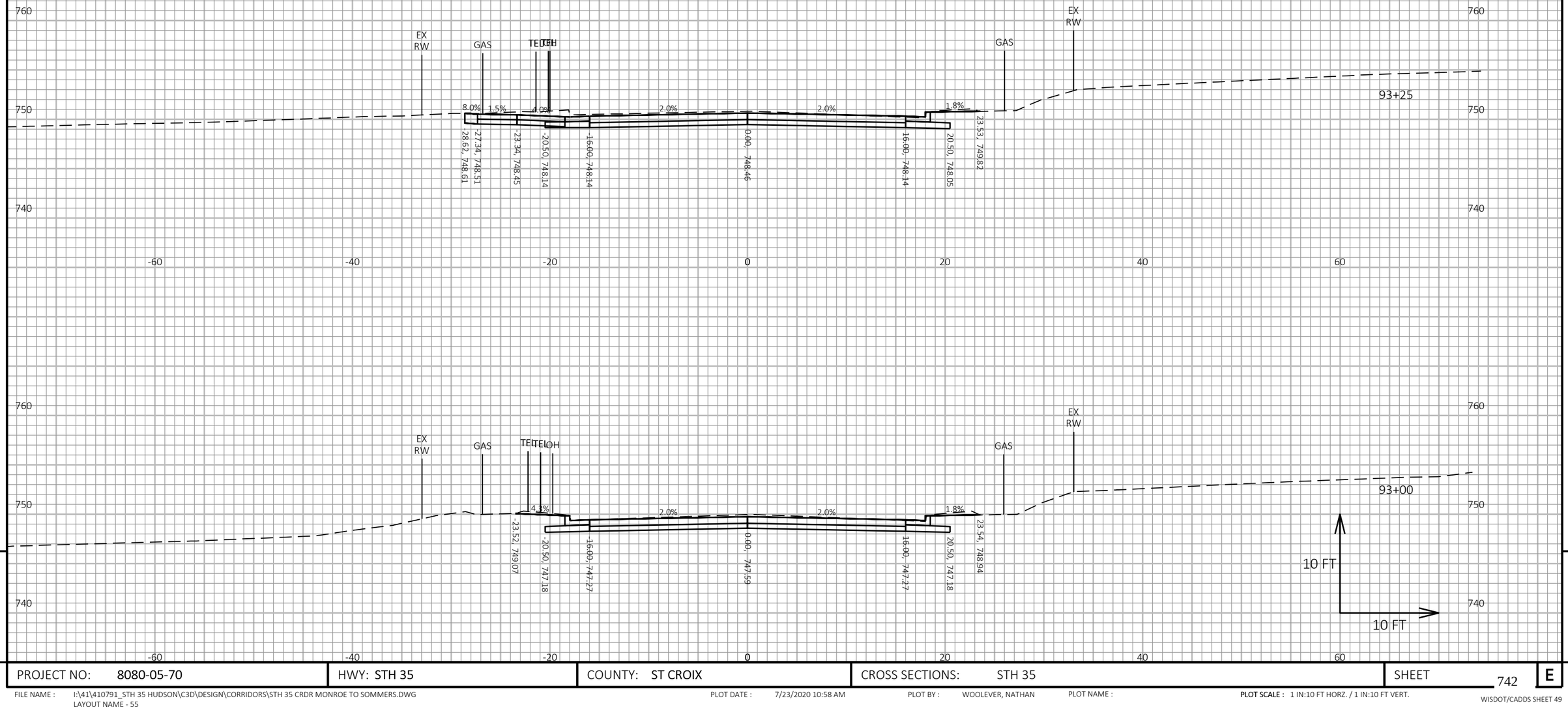
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 741	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 54

PLOT DATE : 7/23/2020 10:58 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9 9



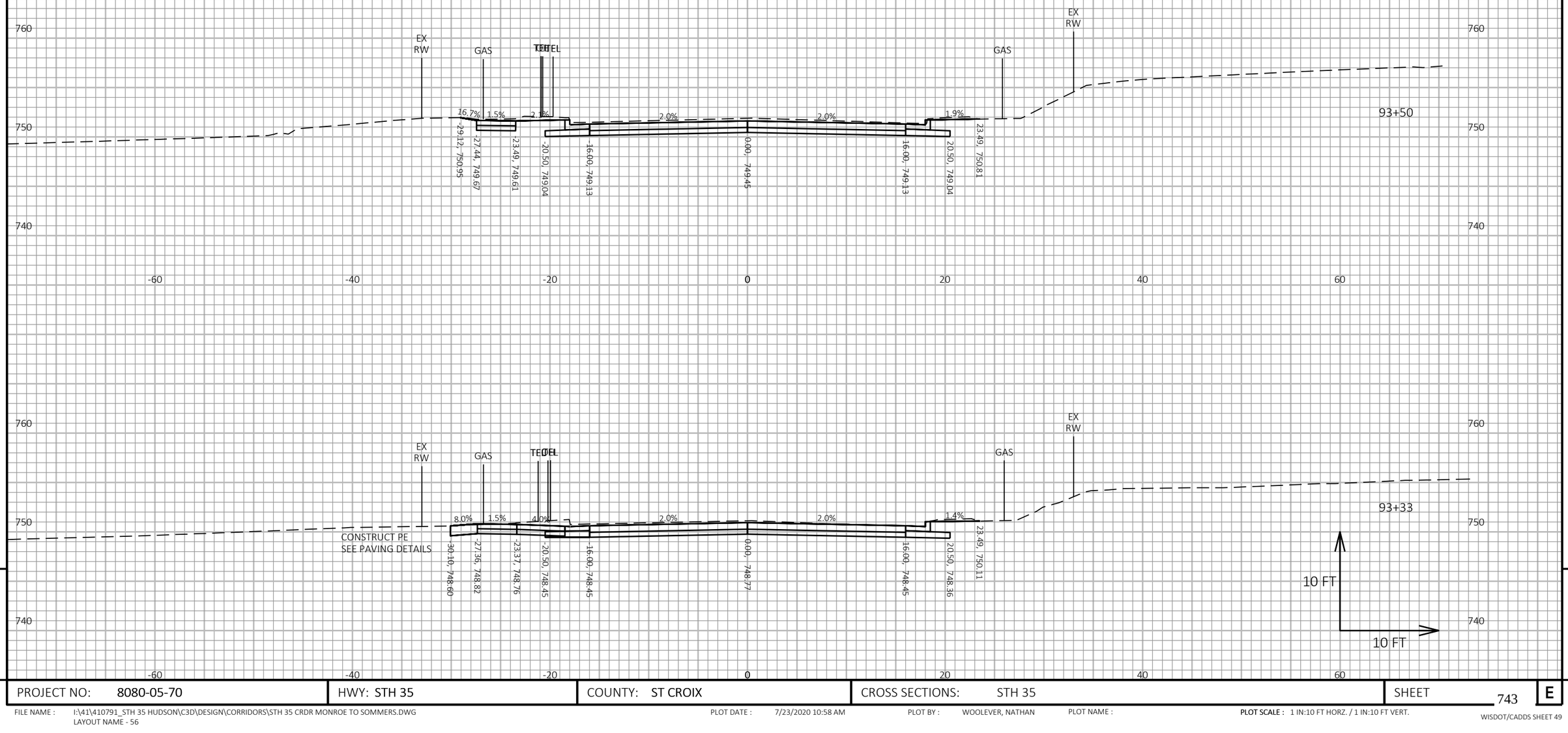
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 742	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 55

PLOT DATE : 7/23/2020 10:58 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

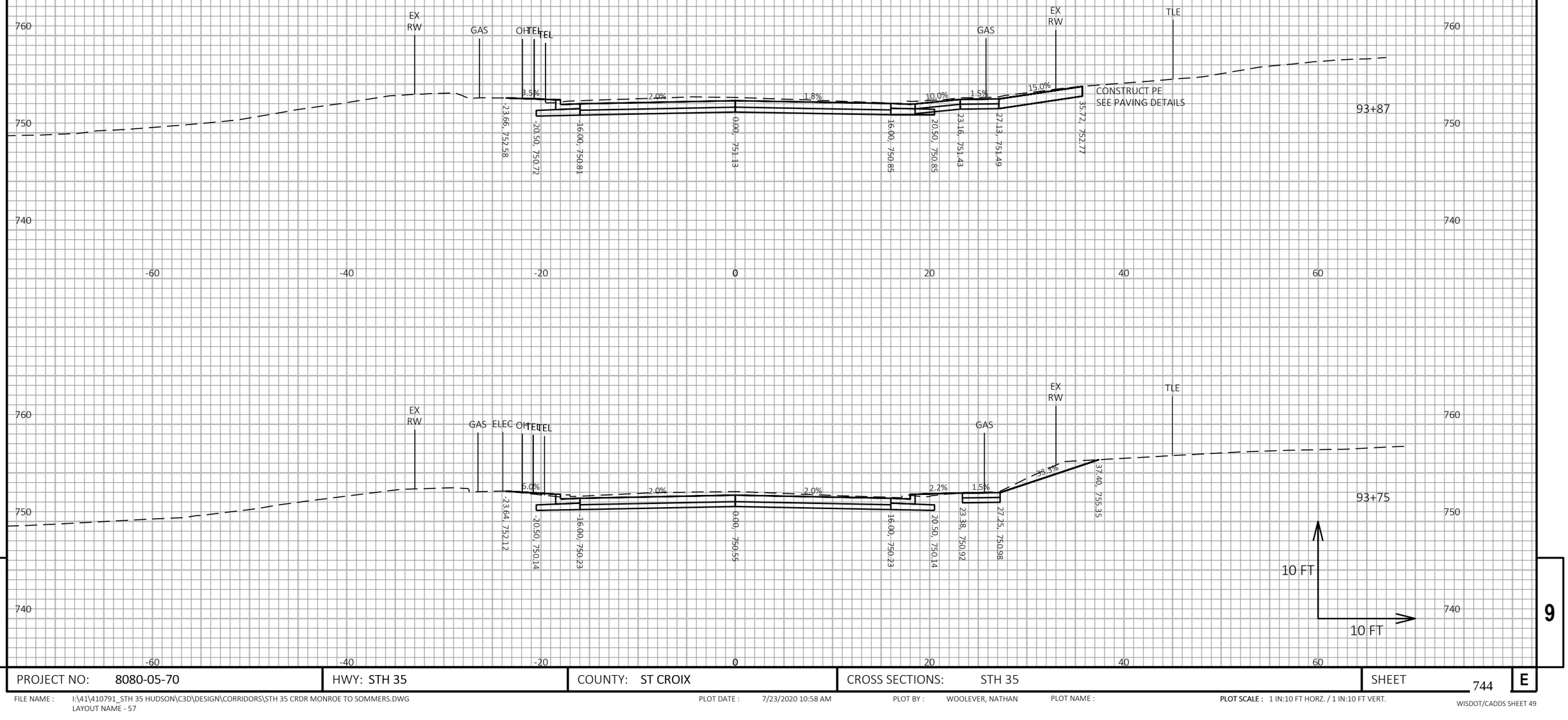


PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 743	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 56

PLOT DATE : 7/23/2020 10:58 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 744	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 57

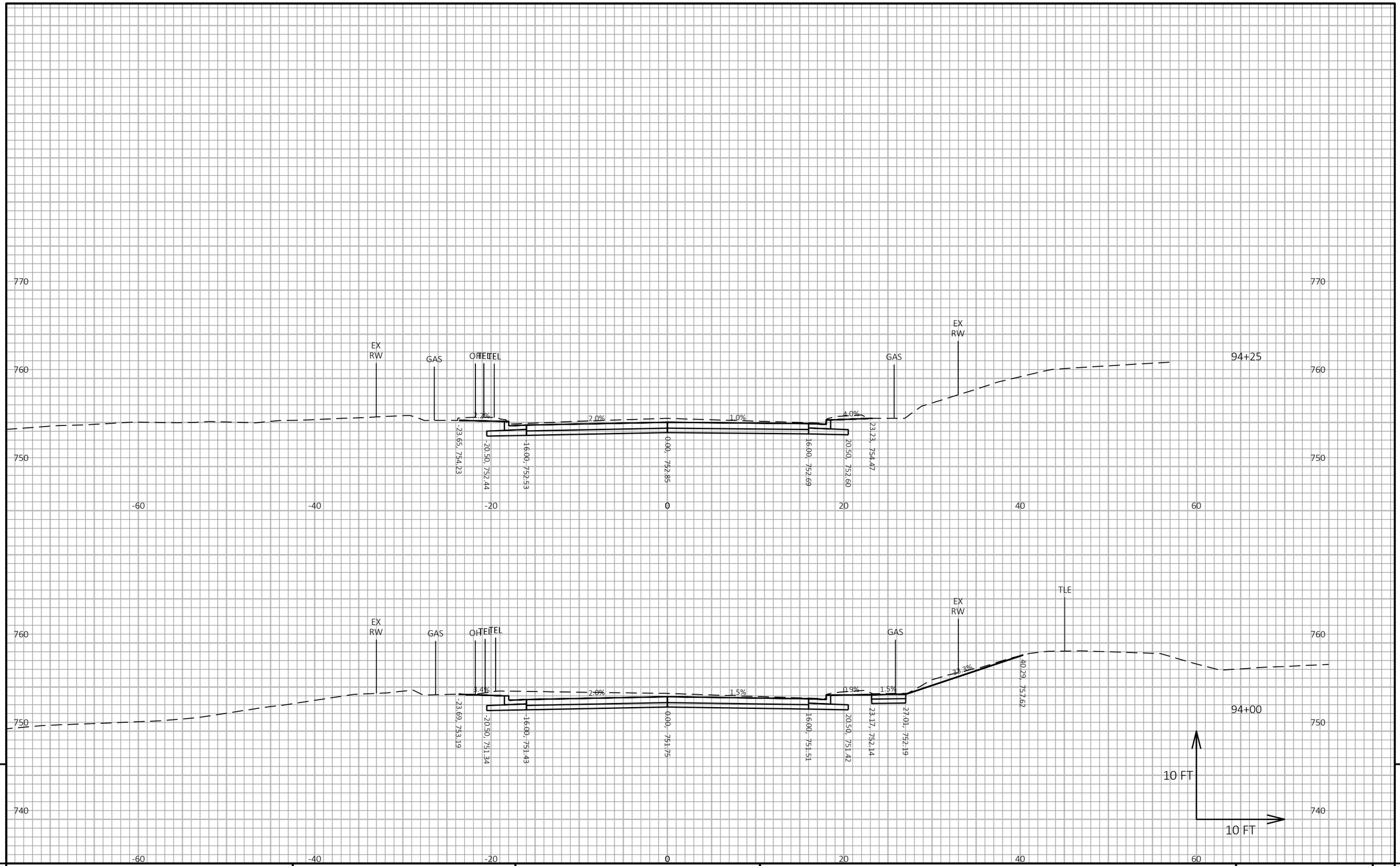
PLOT DATE : 7/23/2020 10:58 AM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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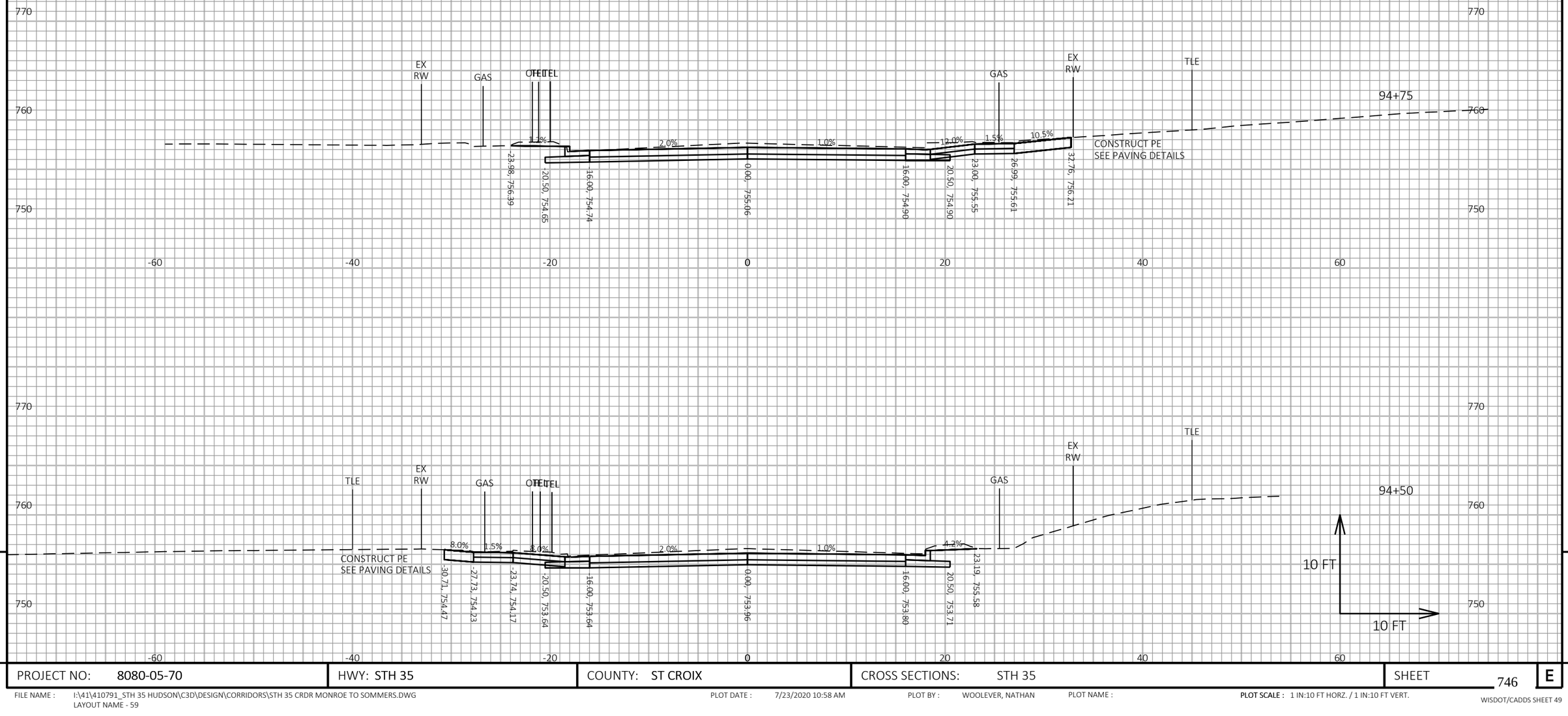
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 745	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 58

PLOT DATE : 7/23/2020 10:58 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

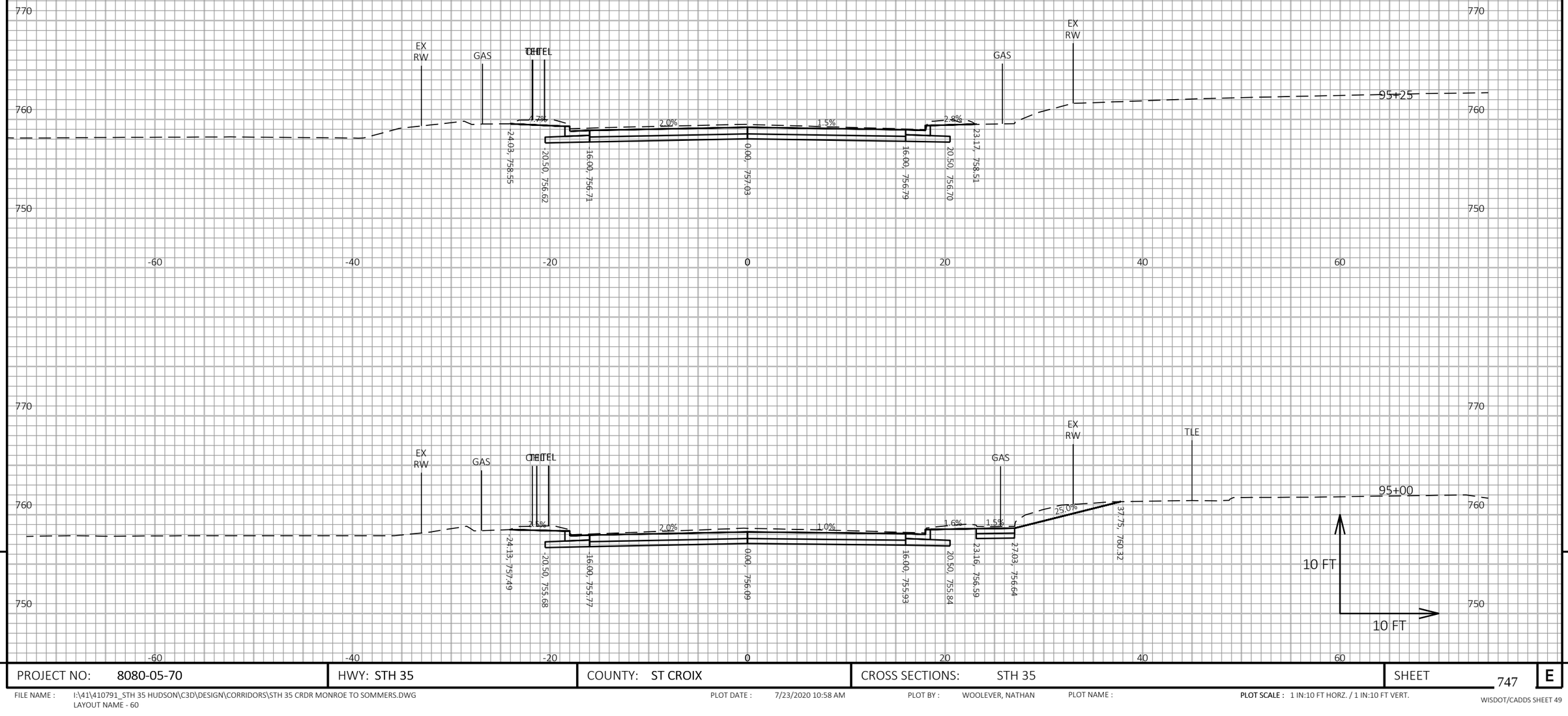


PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 746	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 59

PLOT DATE : 7/23/2020 10:58 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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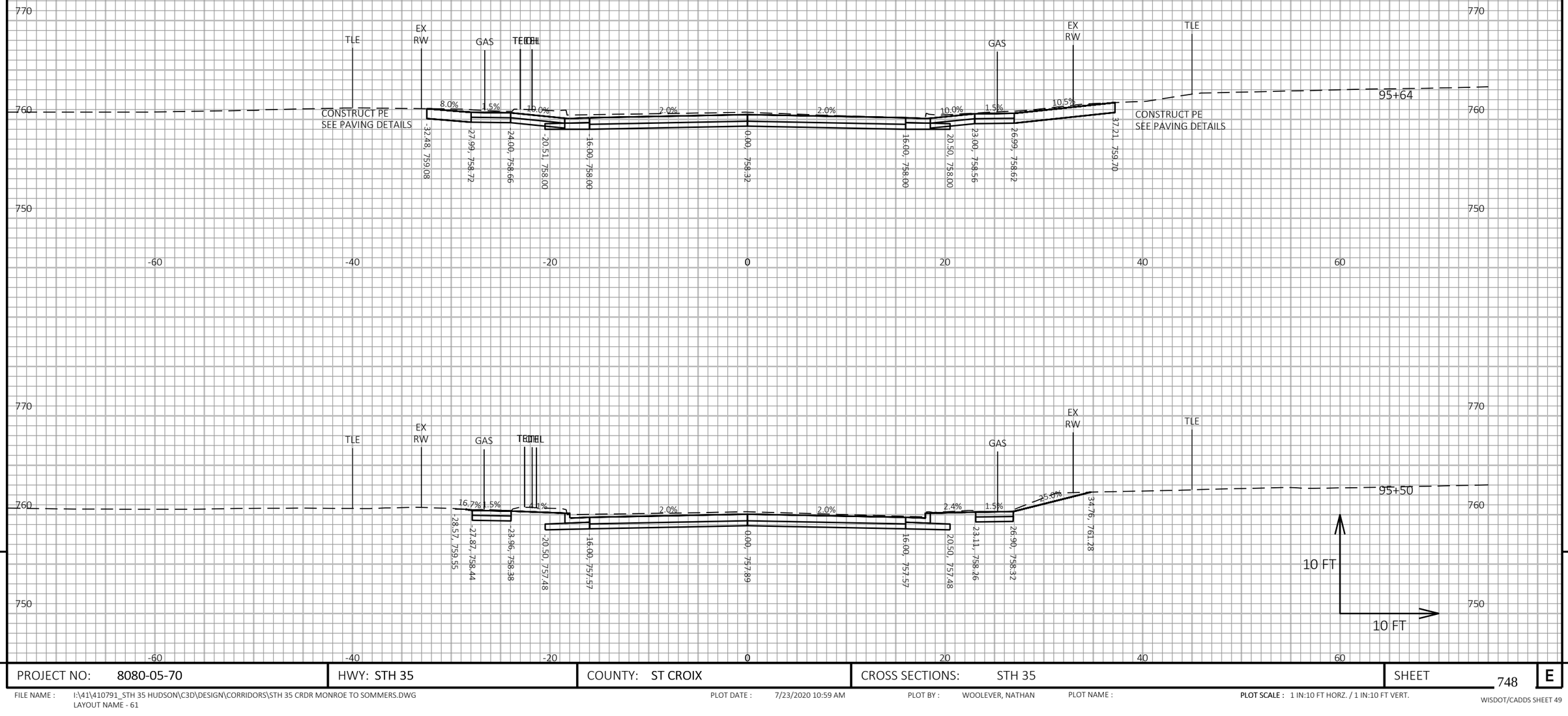
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 747	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 60

PLOT DATE : 7/23/2020 10:58 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 748	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 61

PLOT DATE : 7/23/2020 10:59 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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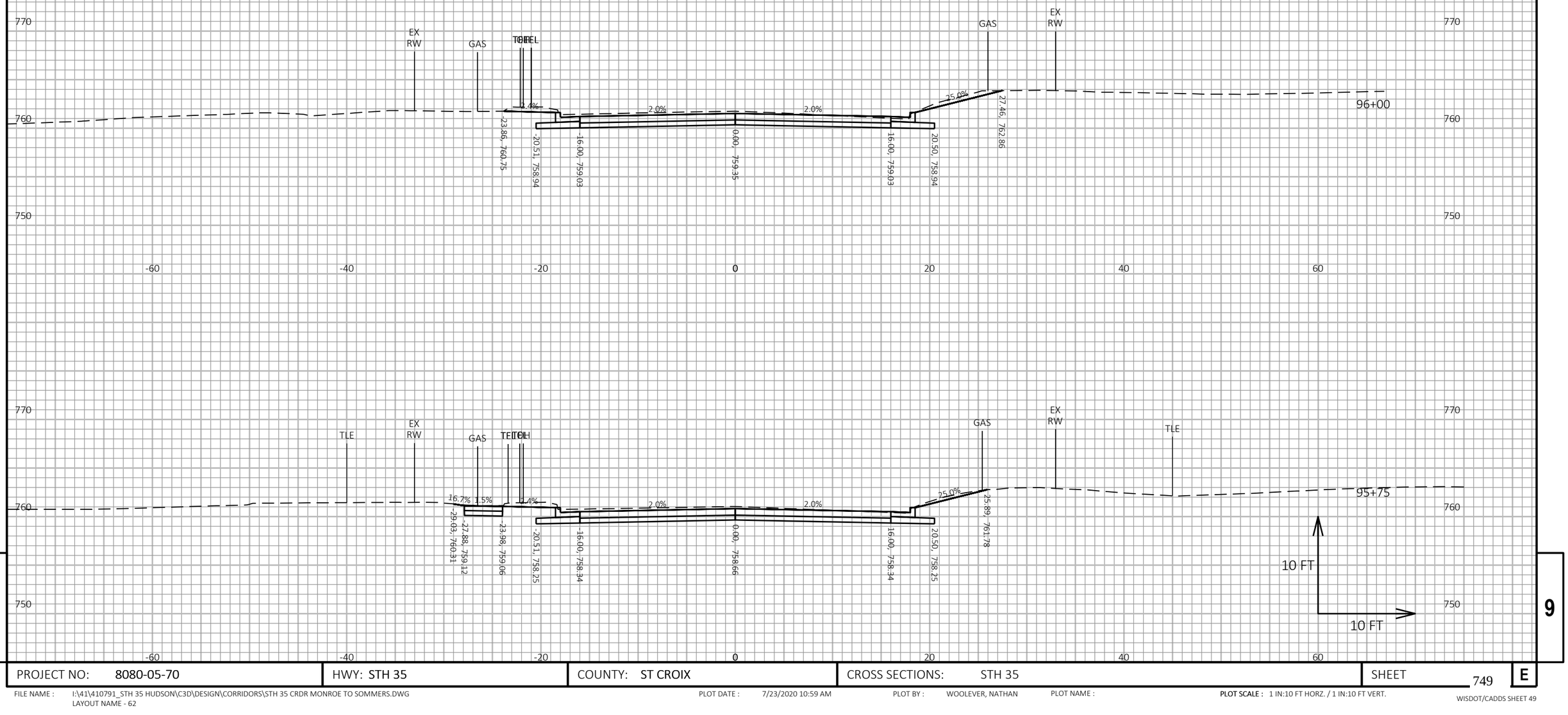

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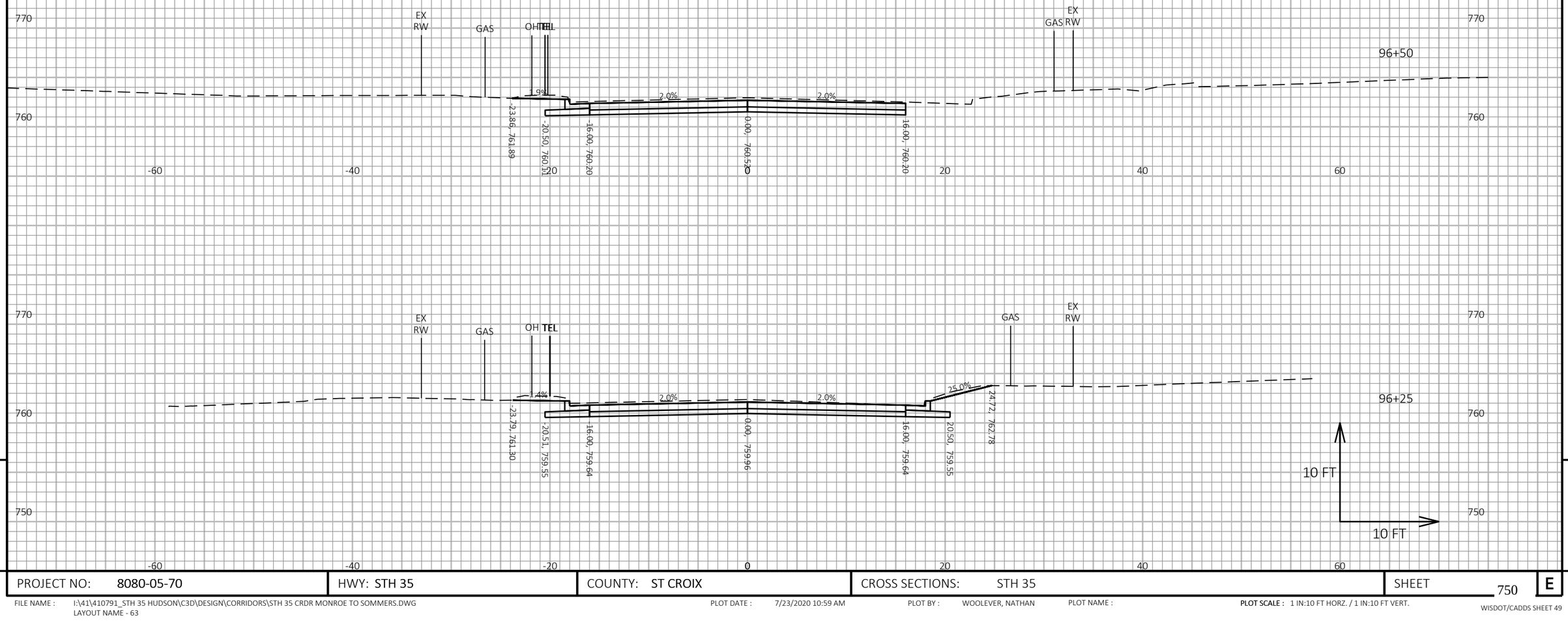
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 749	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 62

PLOT DATE : 7/23/2020 10:59 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



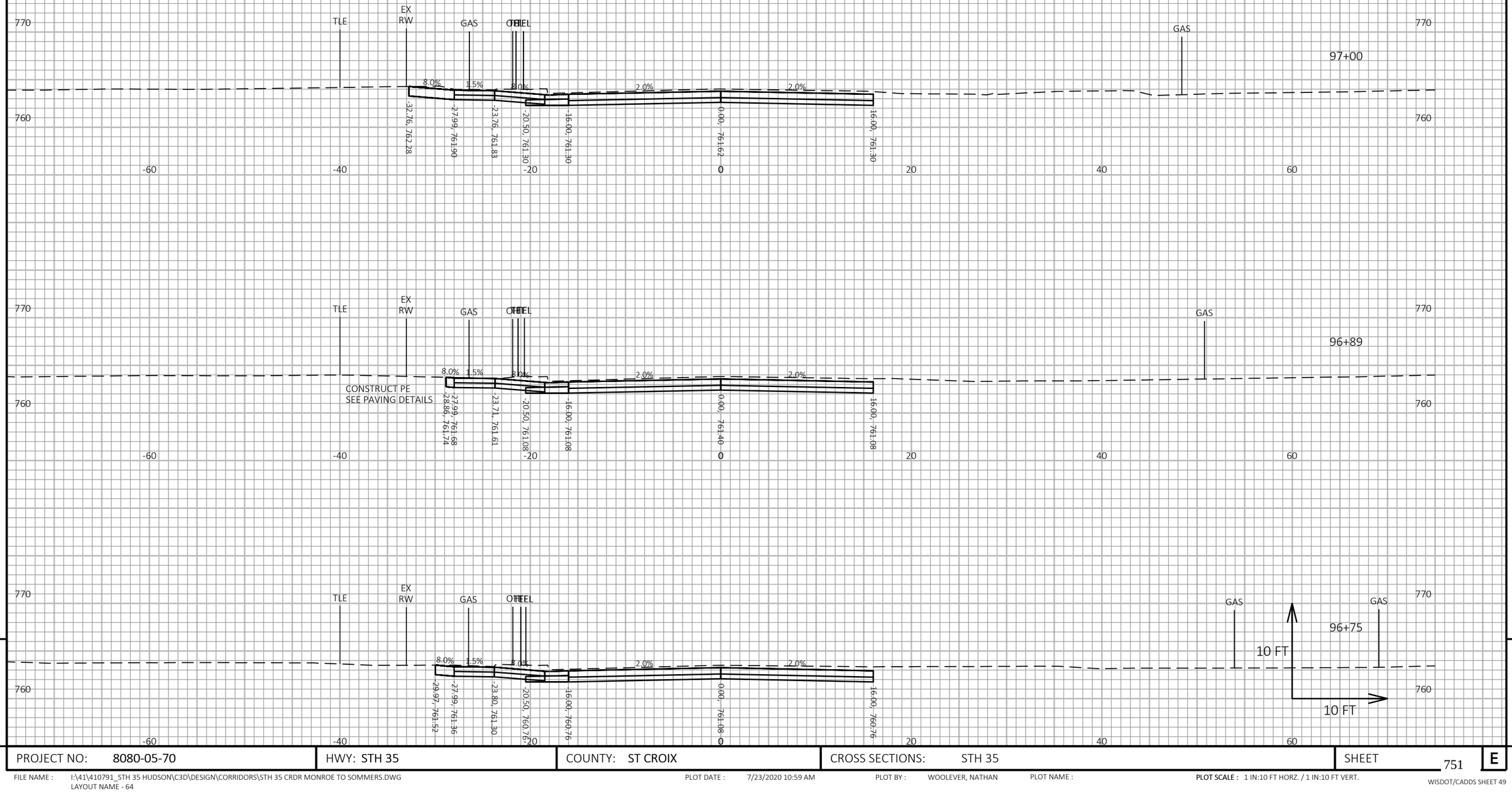
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 750	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 63

PLOT DATE : 7/23/2020 10:59 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

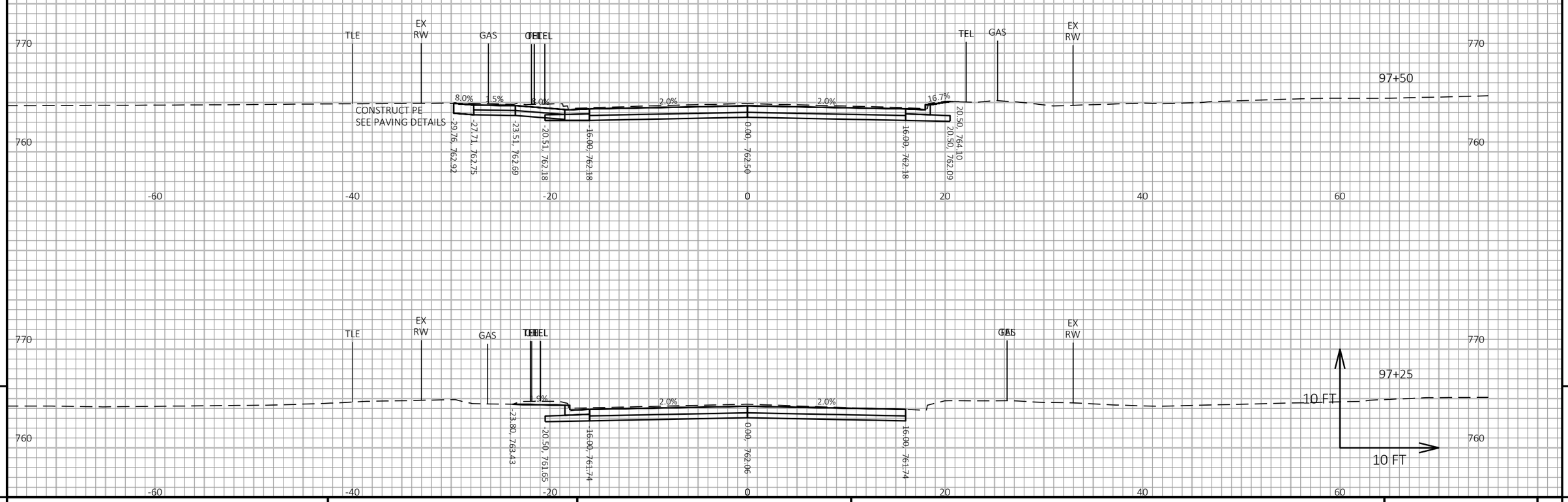


PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 751	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 64

PLOT DATE : 7/23/2020 10:59 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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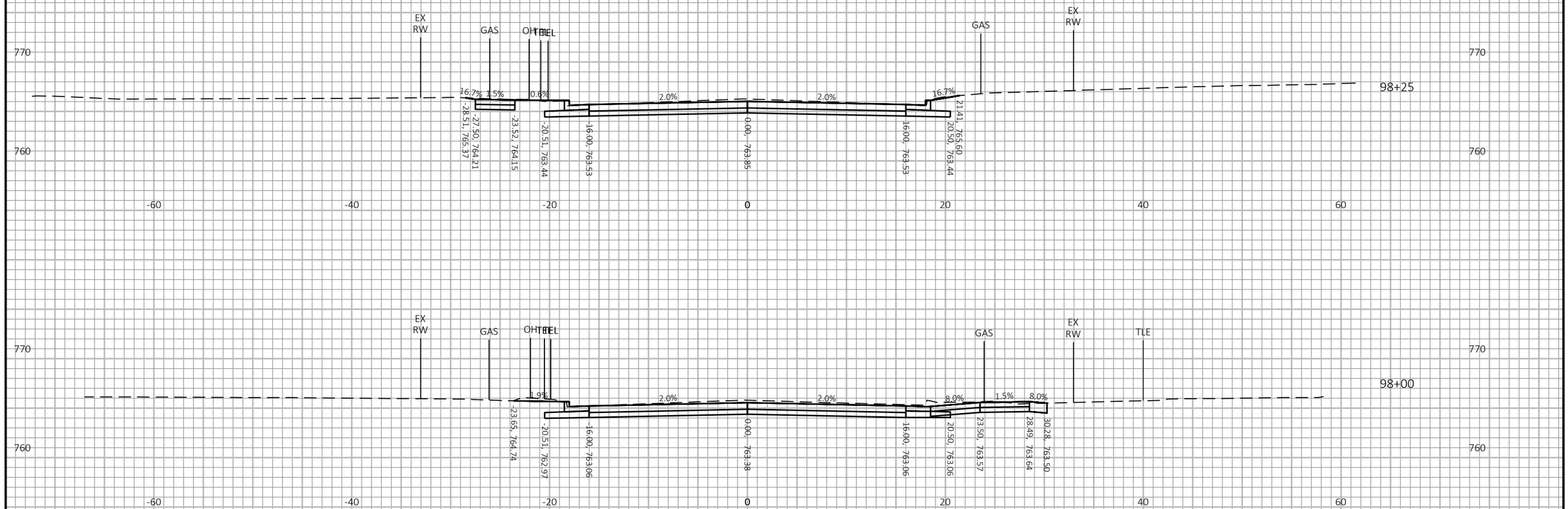
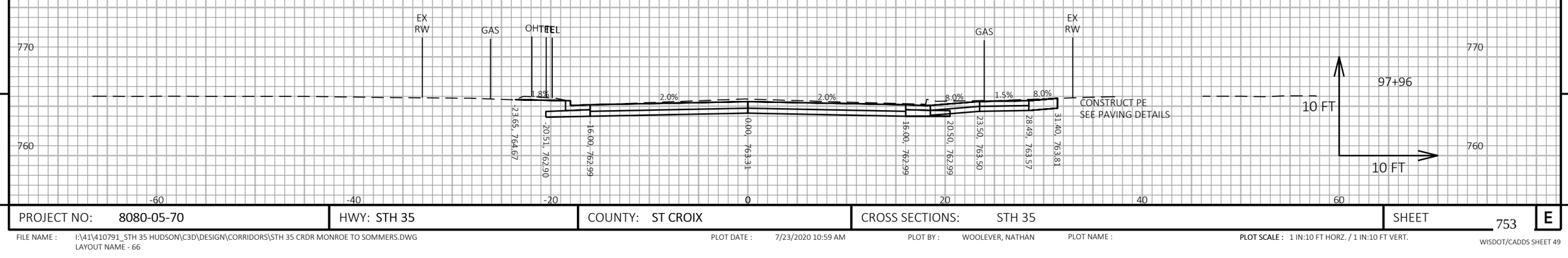
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 752	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 65

PLOT DATE : 7/23/2020 10:59 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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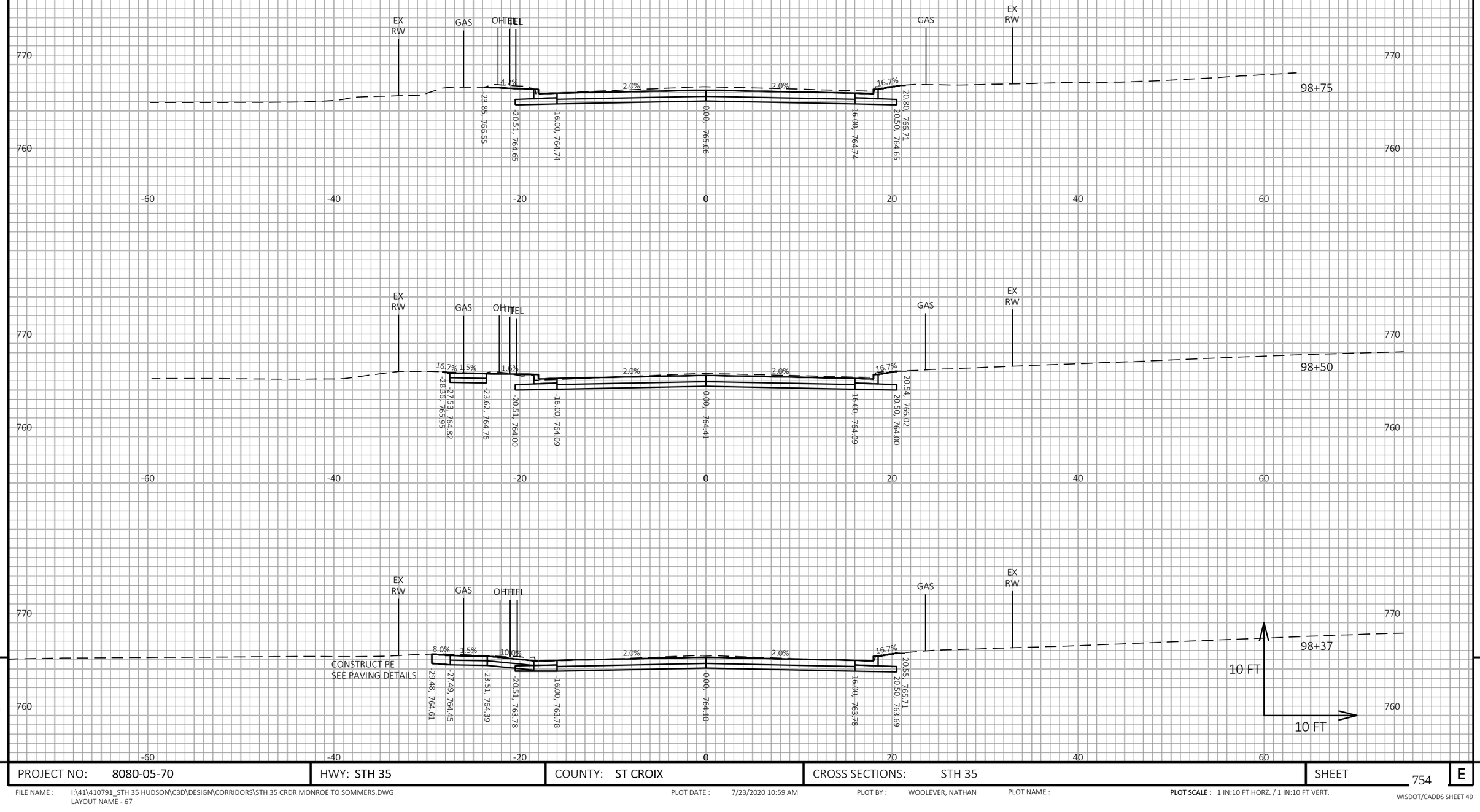
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 753	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 66

PLOT DATE : 7/23/2020 10:59 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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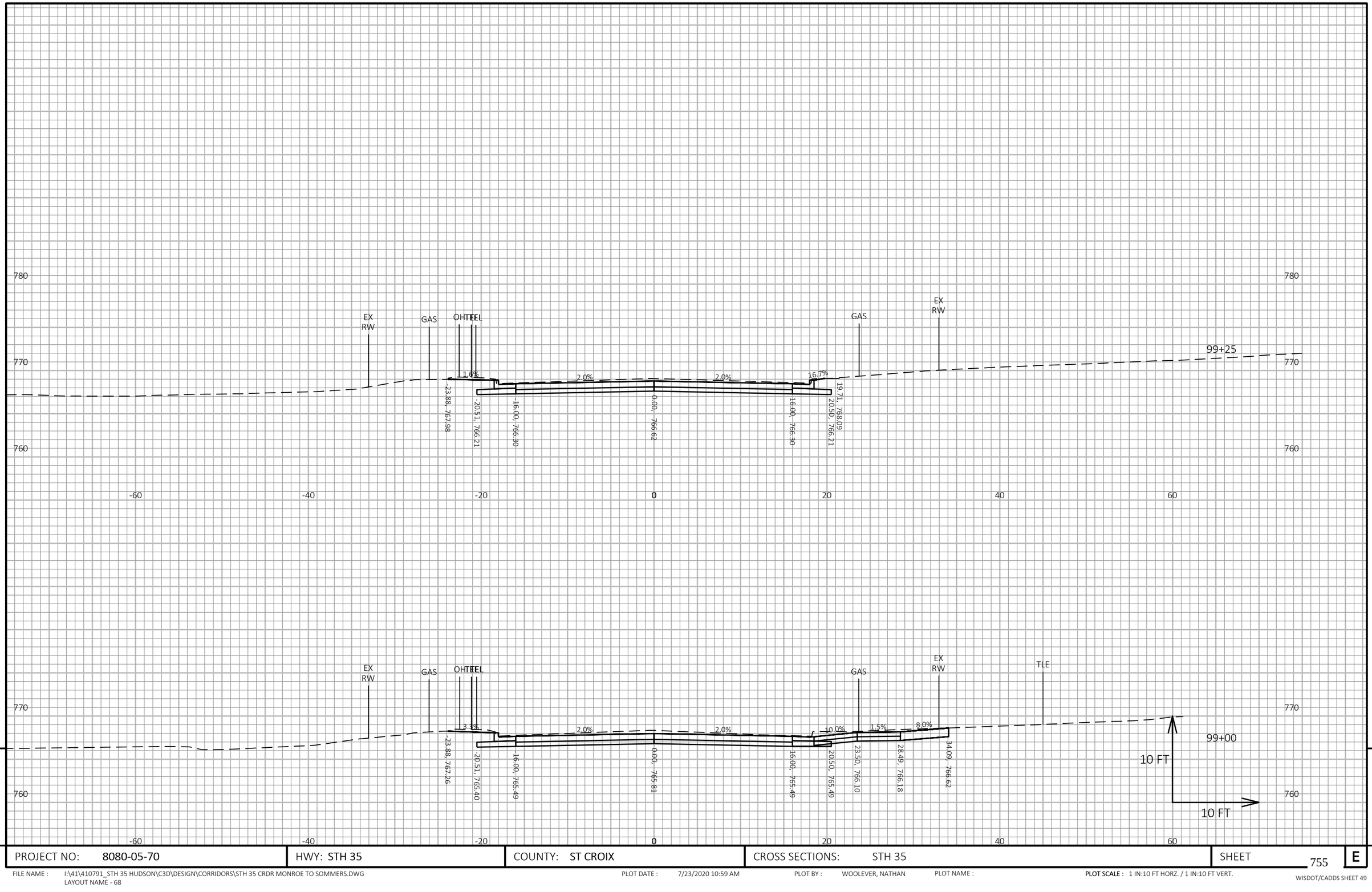
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 754	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 67

PLOT DATE : 7/23/2020 10:59 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

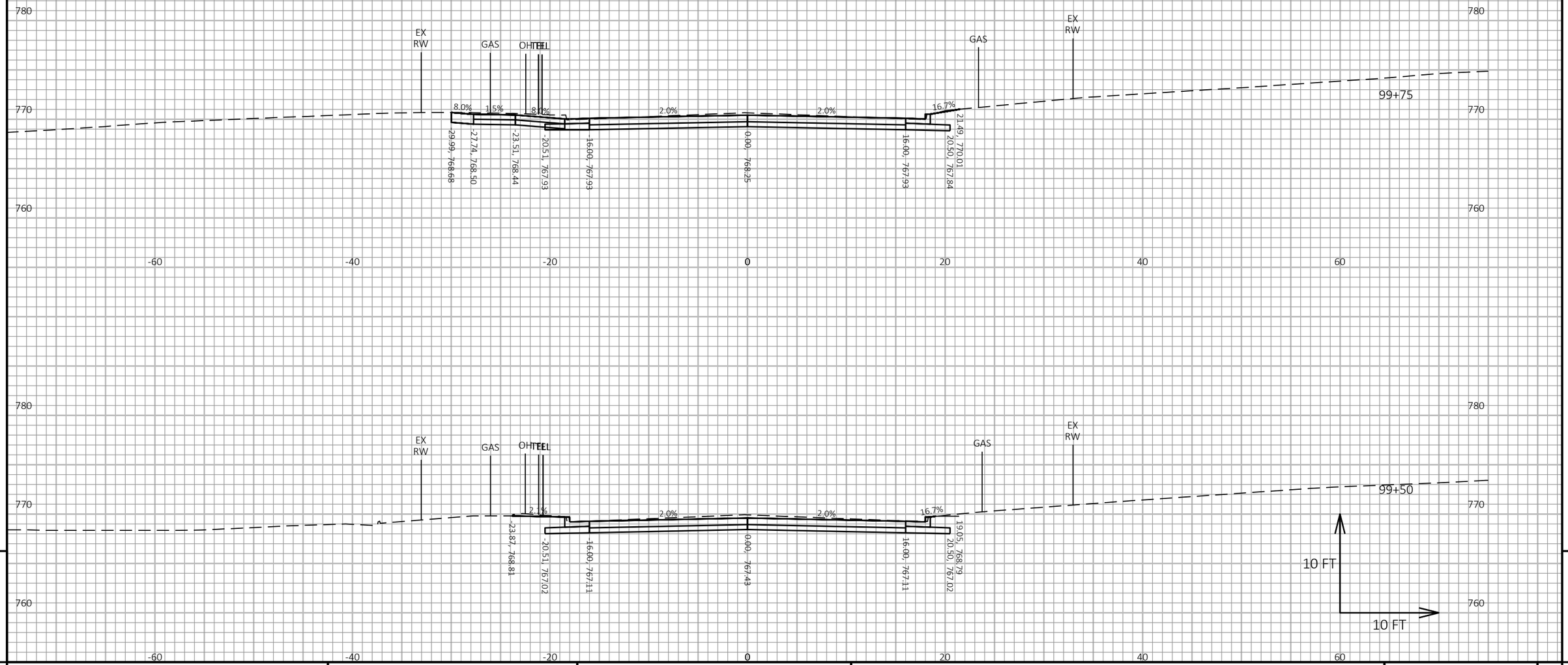


PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 755	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 68

PLOT DATE : 7/23/2020 10:59 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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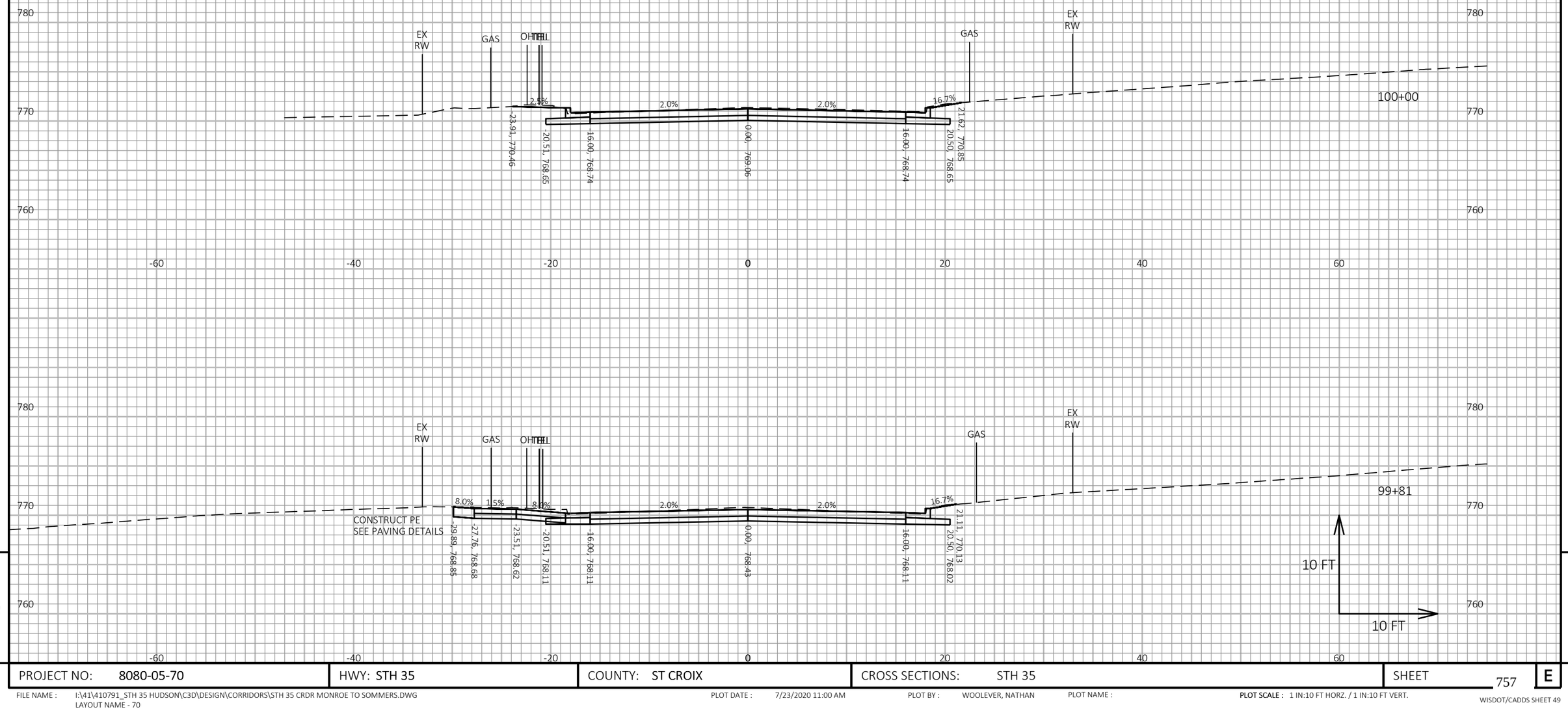
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 756	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 69

PLOT DATE : 7/23/2020 10:59 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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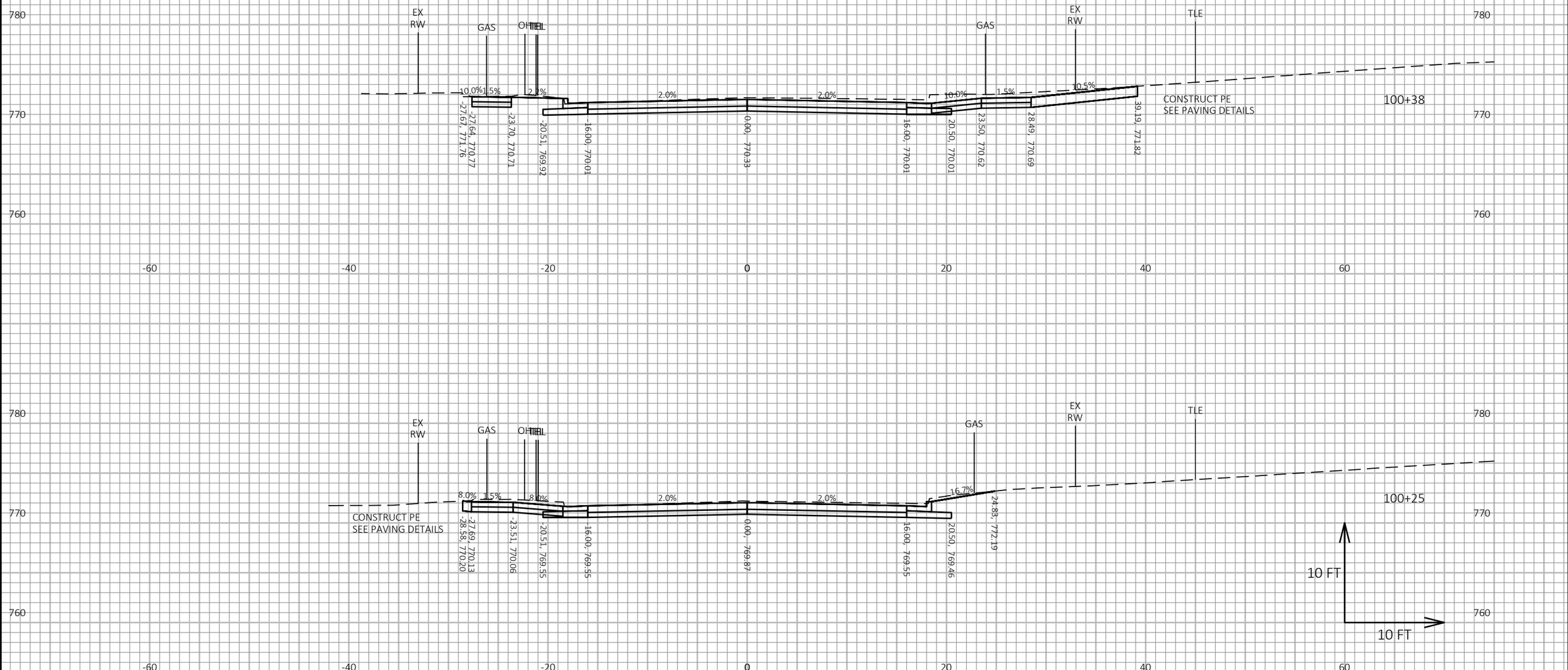
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 757	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 70

PLOT DATE : 7/23/2020 11:00 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 758	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 71

PLOT DATE : 7/23/2020 11:00 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 759	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 72

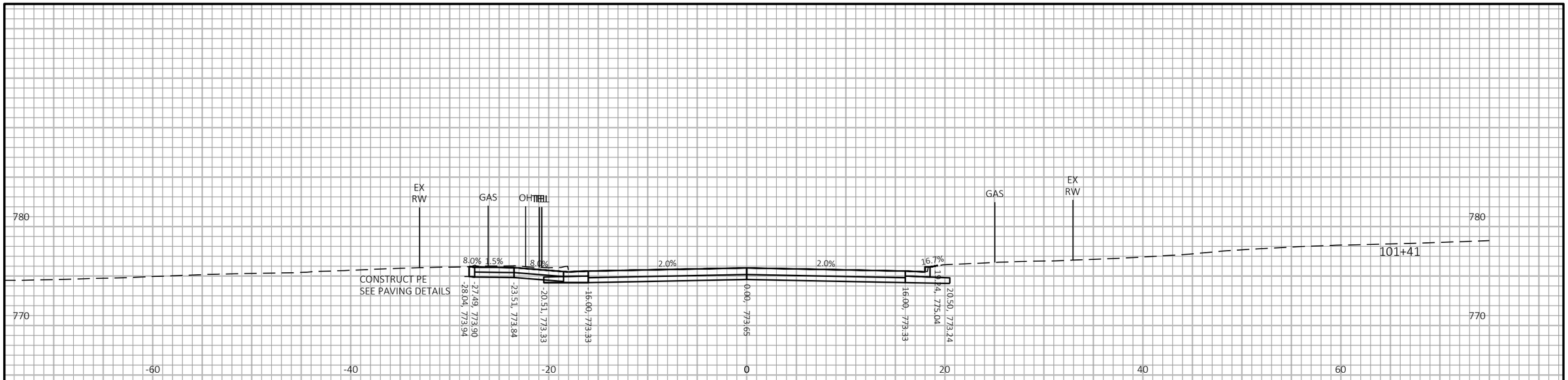
PLOT DATE : 7/23/2020 11:00 AM

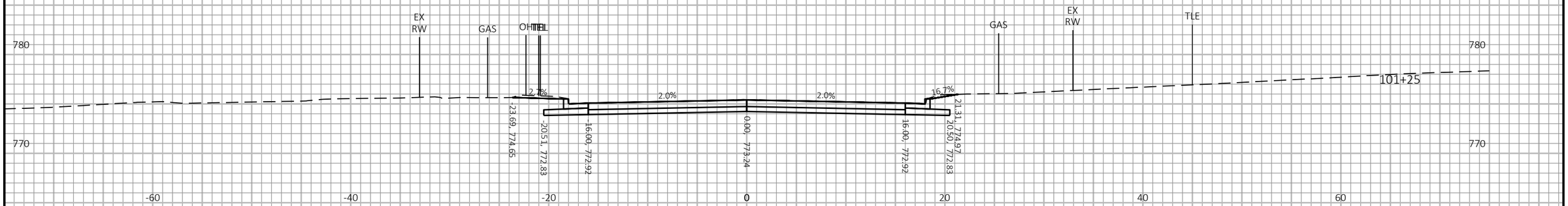
PLOT BY : WOOLEVER, NATHAN

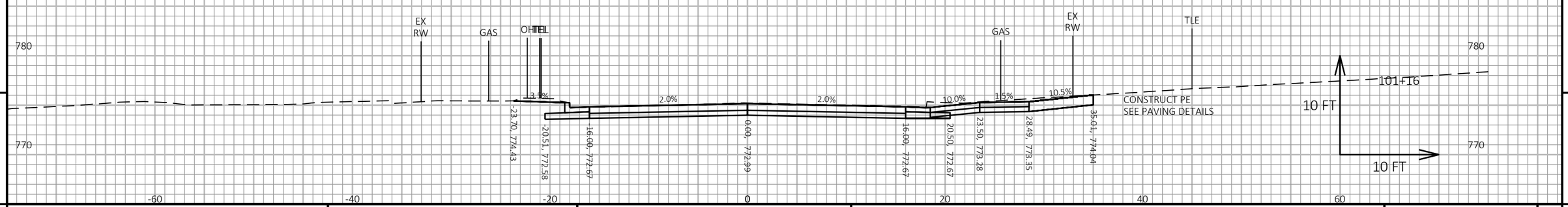
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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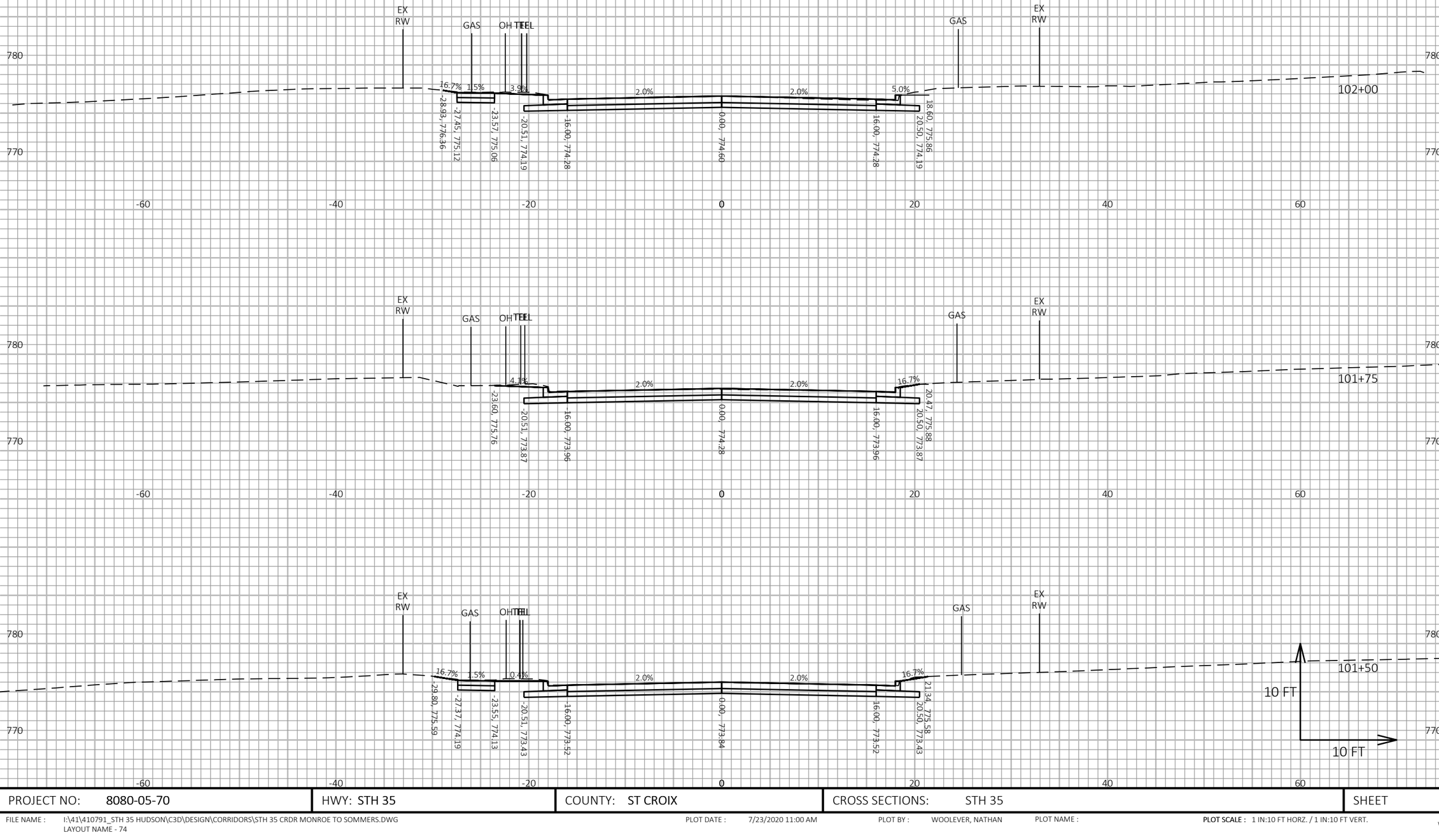
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 760	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 73

PLOT DATE : 7/23/2020 11:00 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

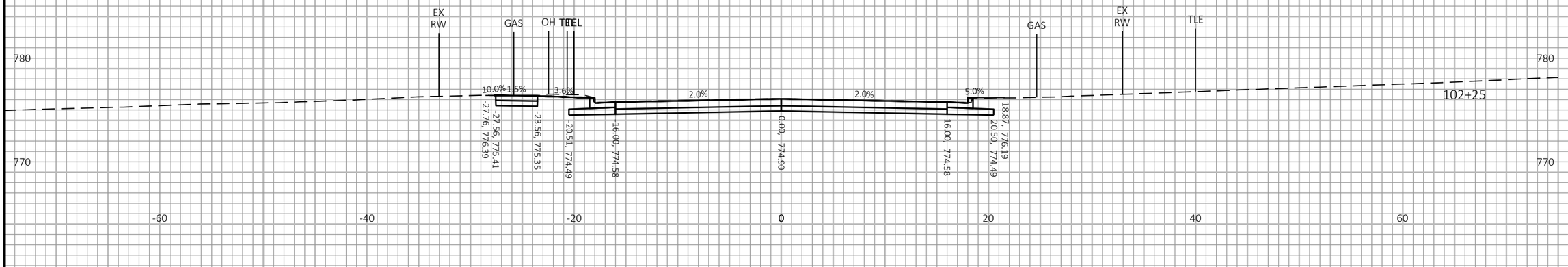


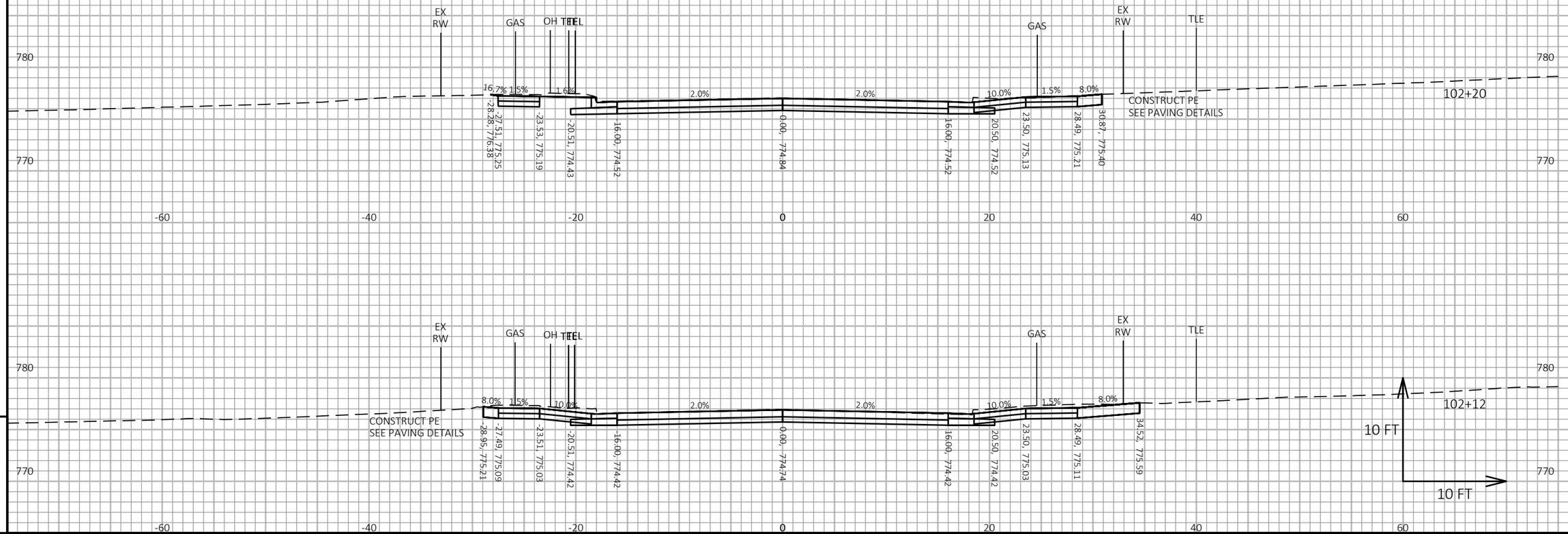
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 761	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 74

PLOT DATE : 7/23/2020 11:00 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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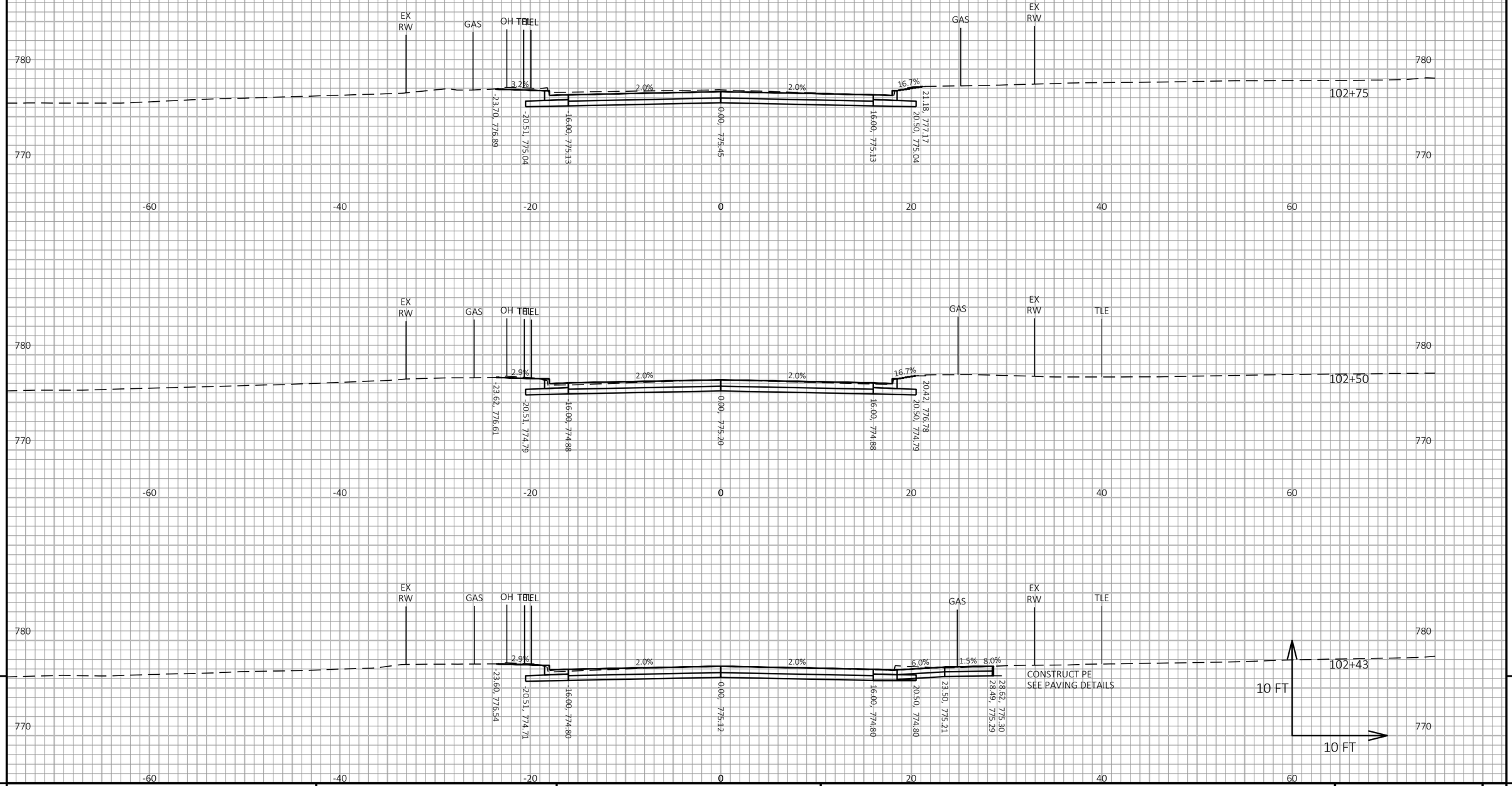
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 762	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 75

PLOT DATE : 7/23/2020 11:00 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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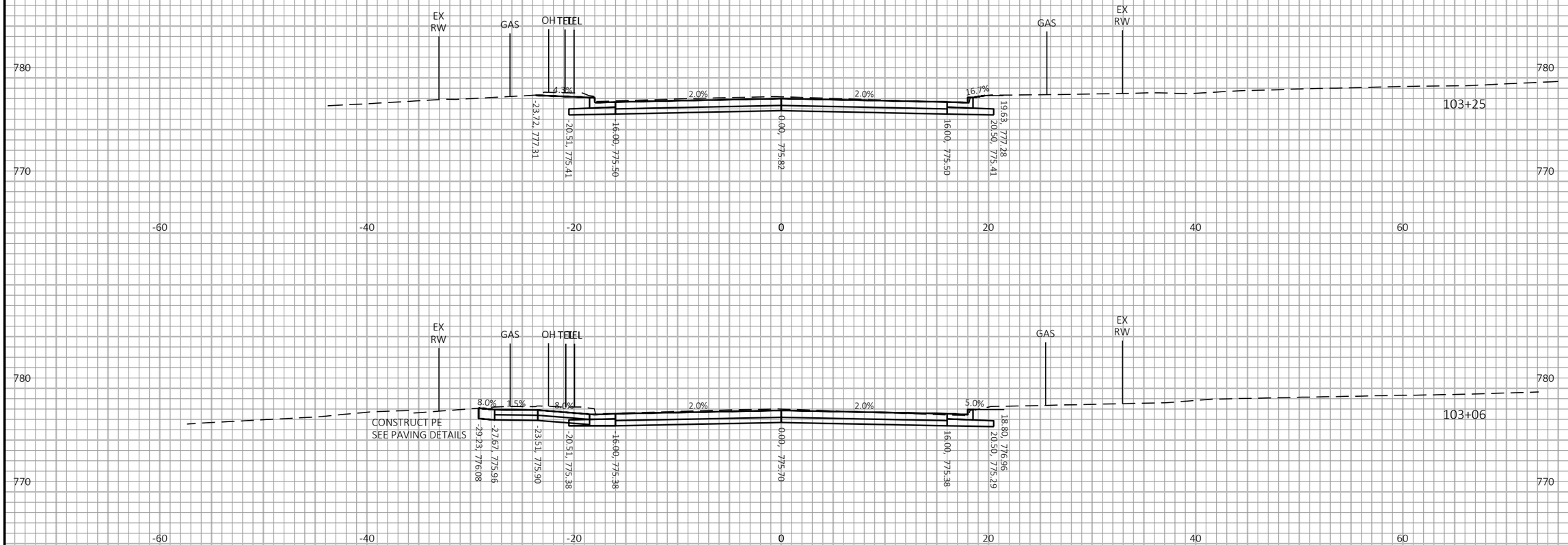
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 763	E

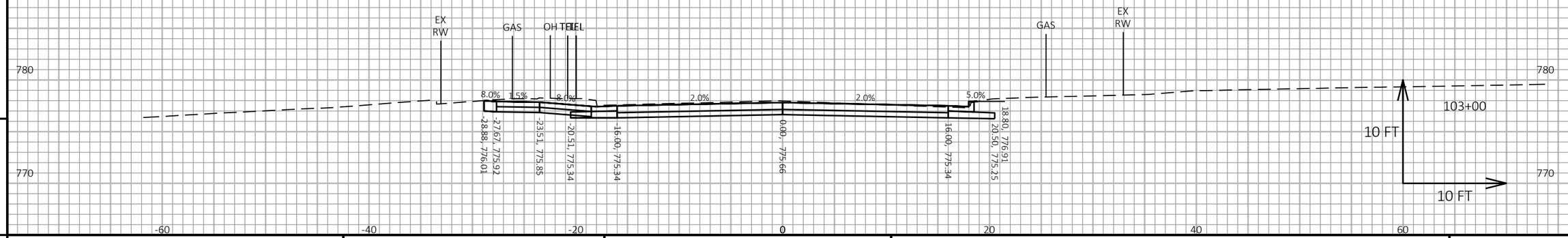
FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 76

PLOT DATE : 7/23/2020 11:00 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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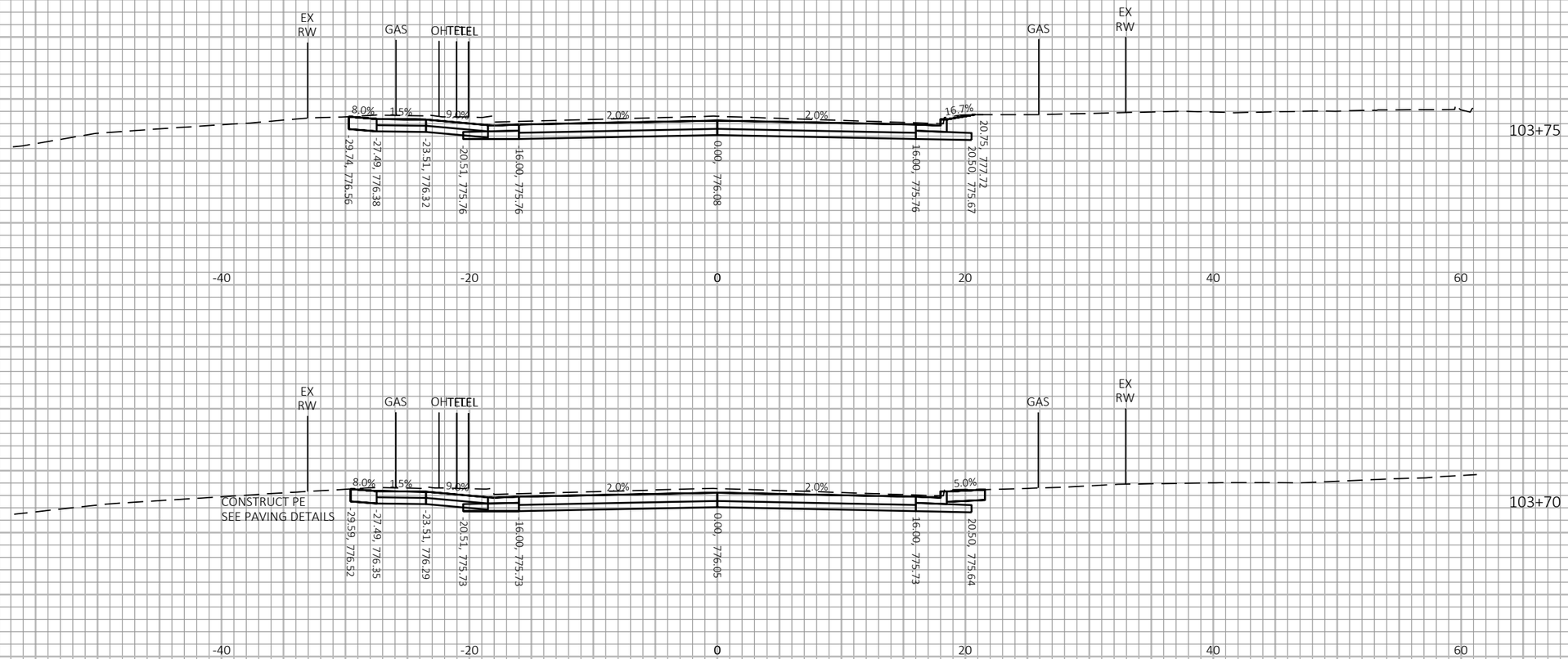
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 764	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 77

PLOT DATE : 7/23/2020 11:00 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

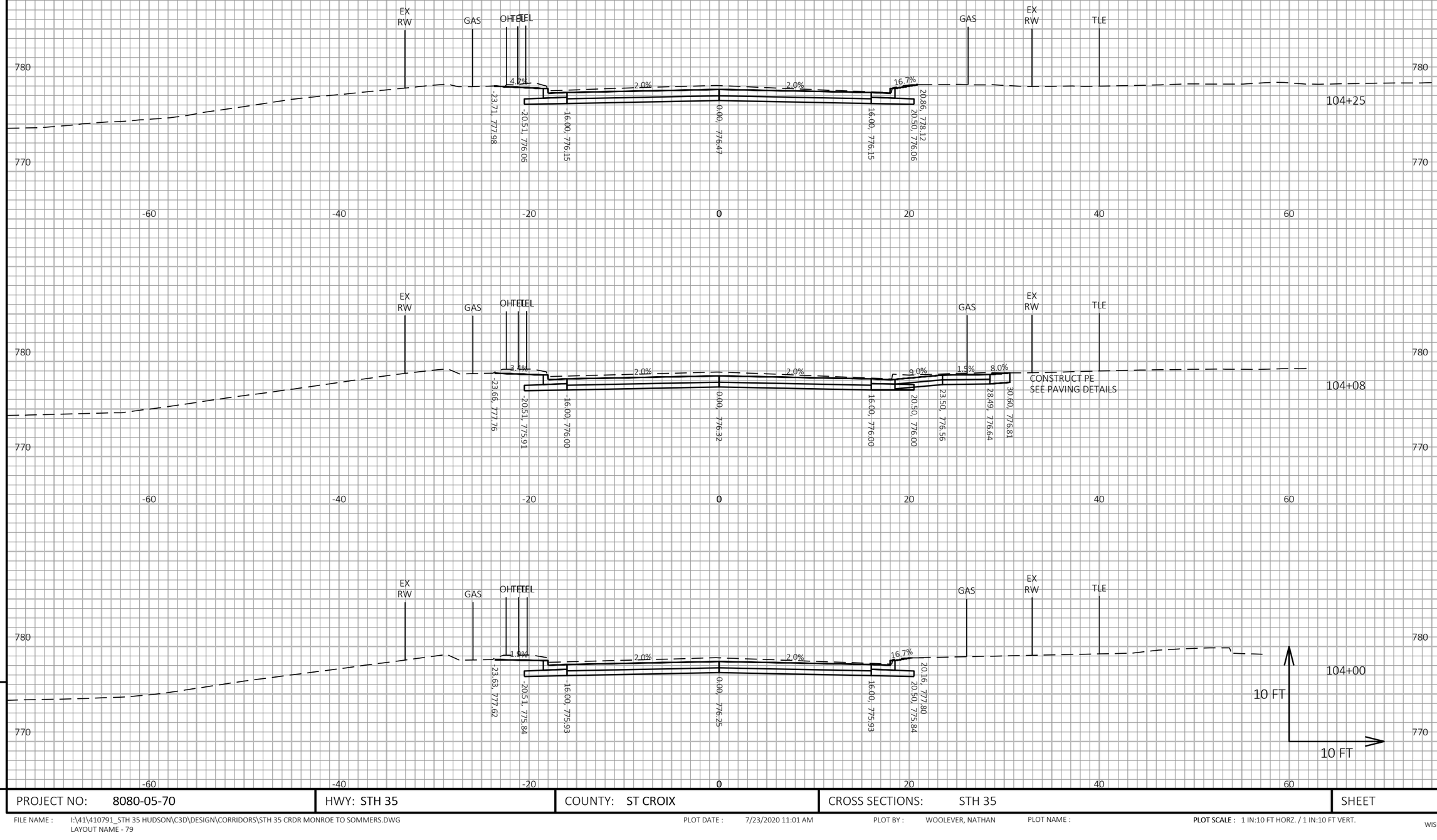
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 765	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 78

PLOT DATE : 7/23/2020 11:00 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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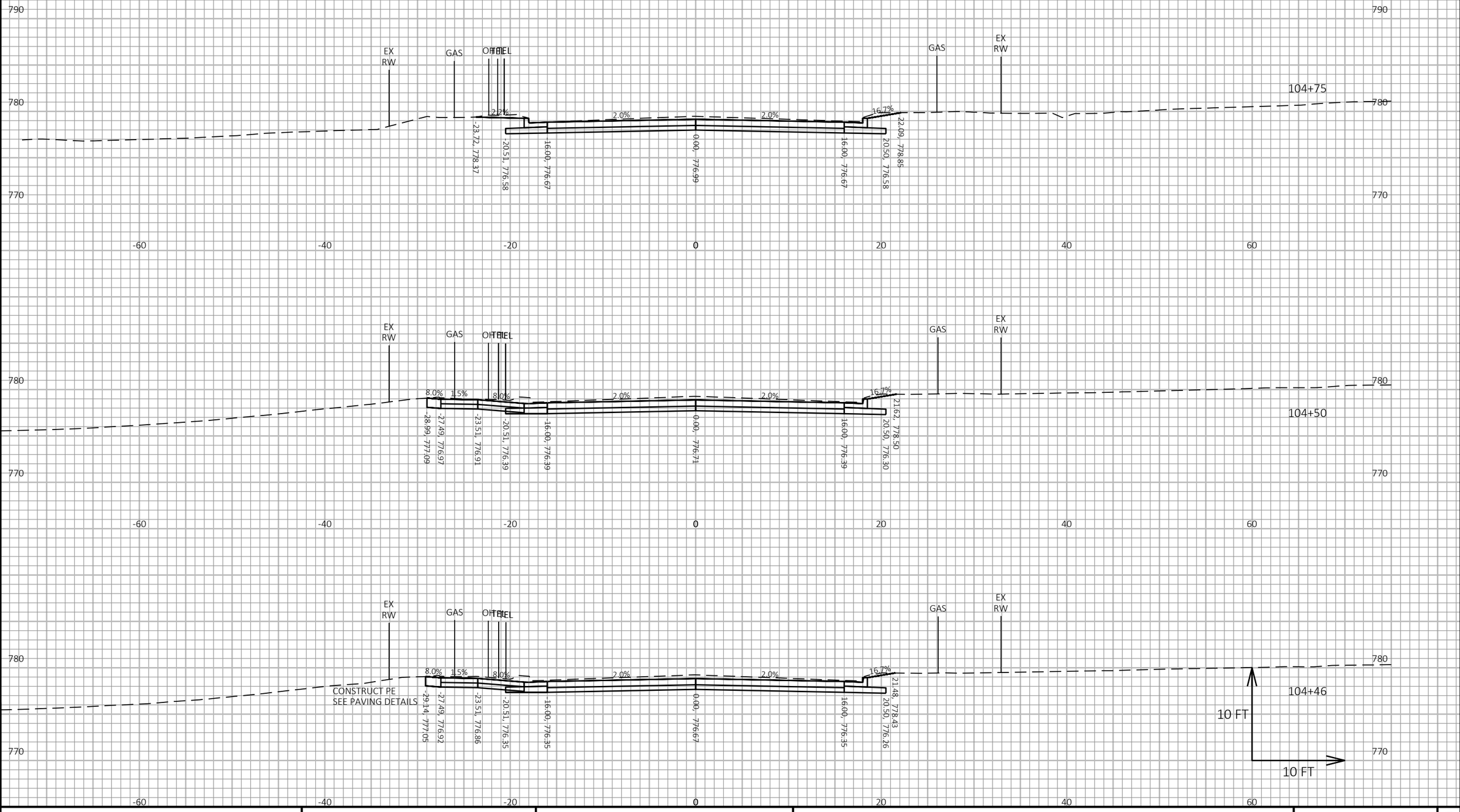
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 766	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 79

PLOT DATE : 7/23/2020 11:01 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

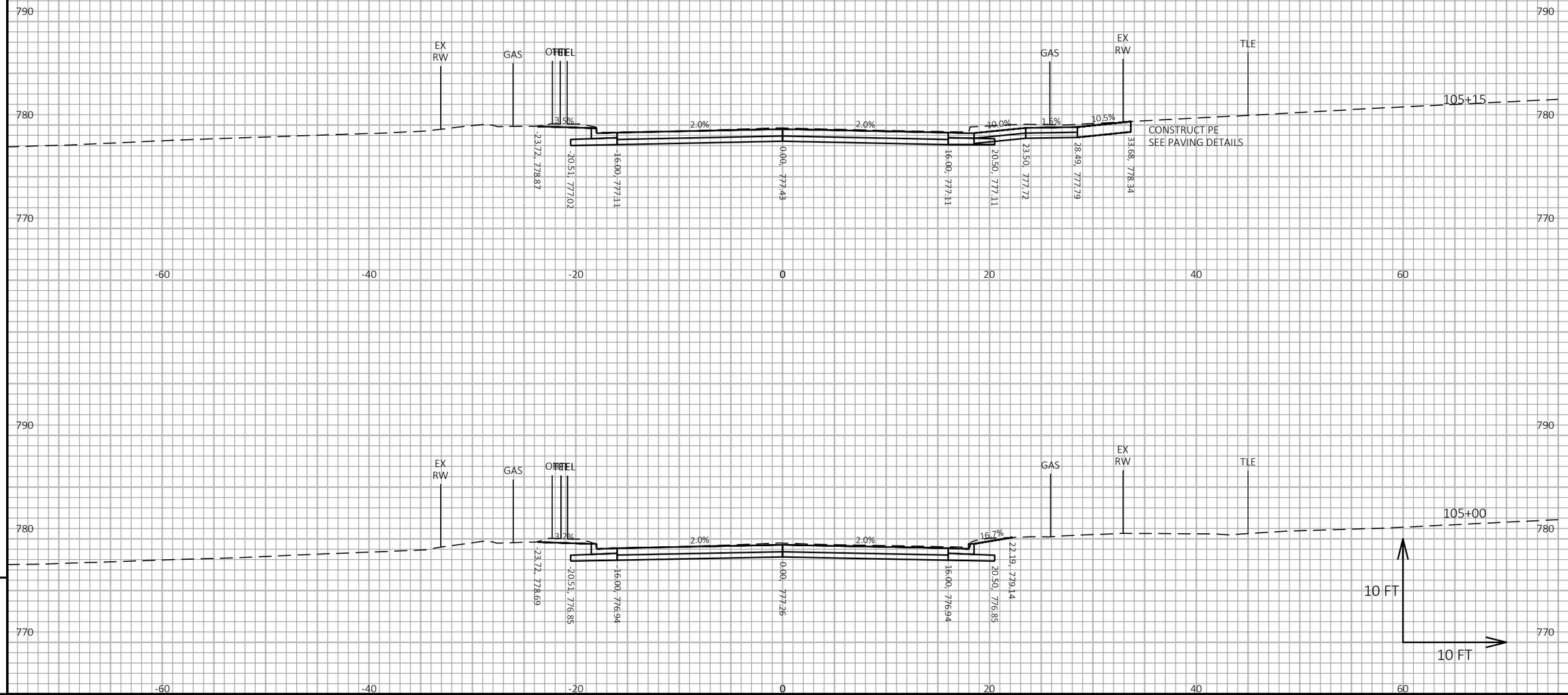


PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 767	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 80

PLOT DATE : 7/23/2020 11:01 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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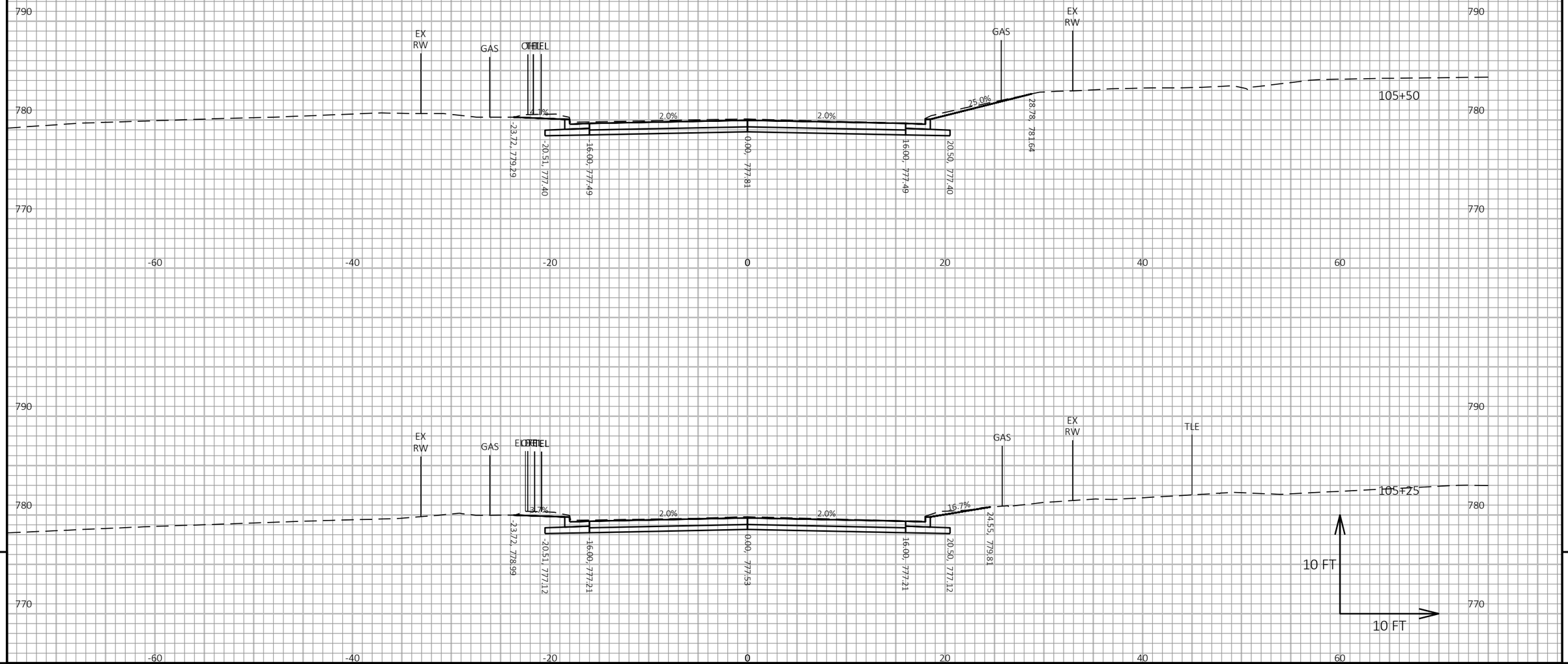
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 768	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 81

PLOT DATE : 7/23/2020 11:01 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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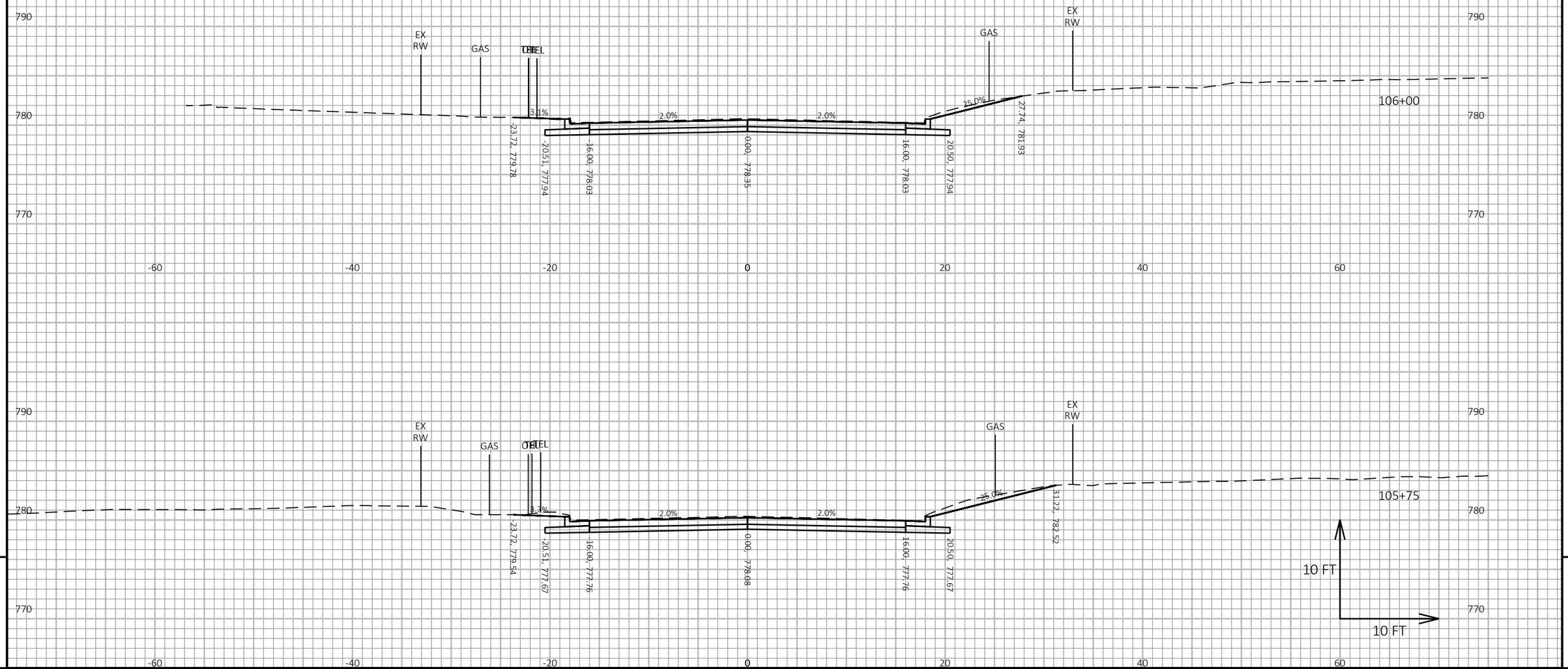
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 769	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 82

PLOT DATE : 7/23/2020 11:01 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

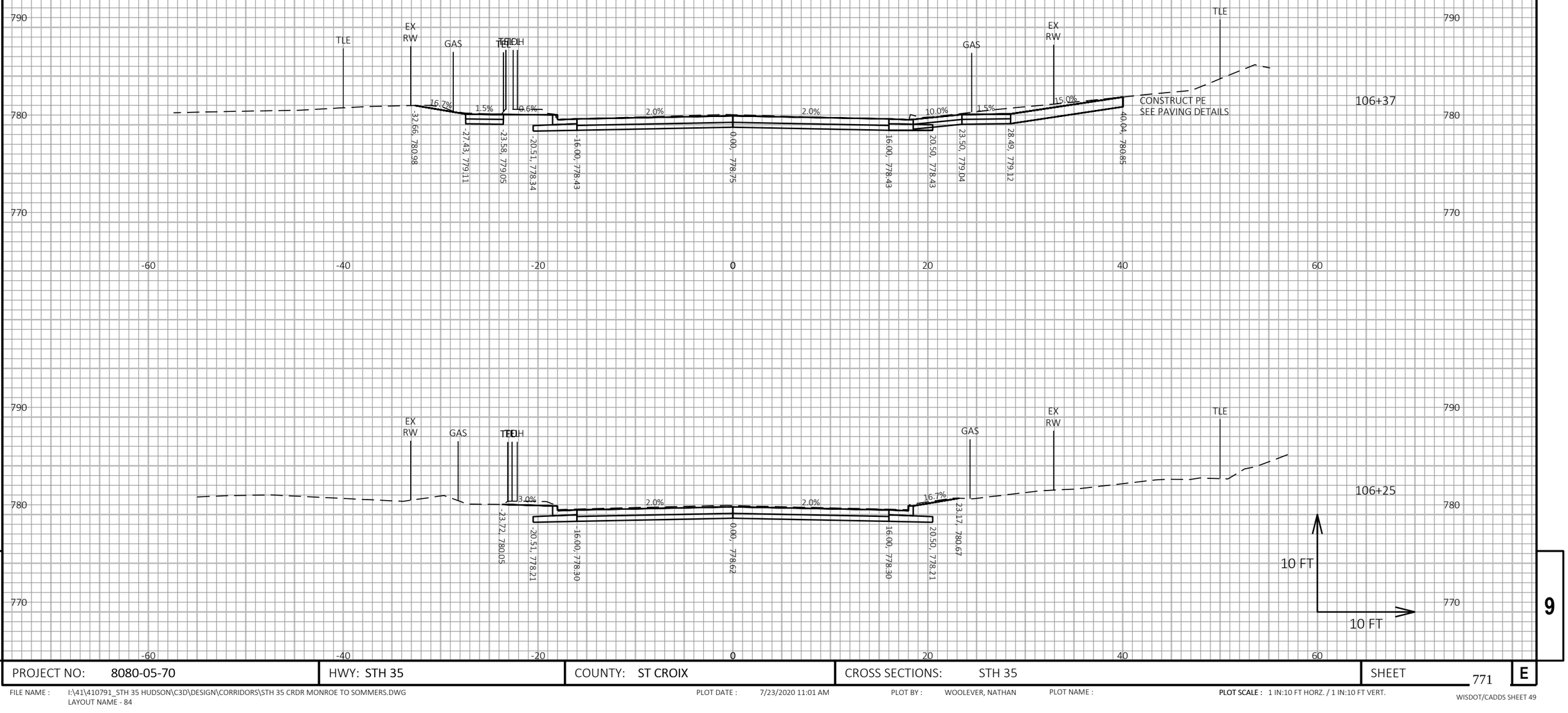


PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 770 E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 83

PLOT DATE : 7/23/2020 11:01 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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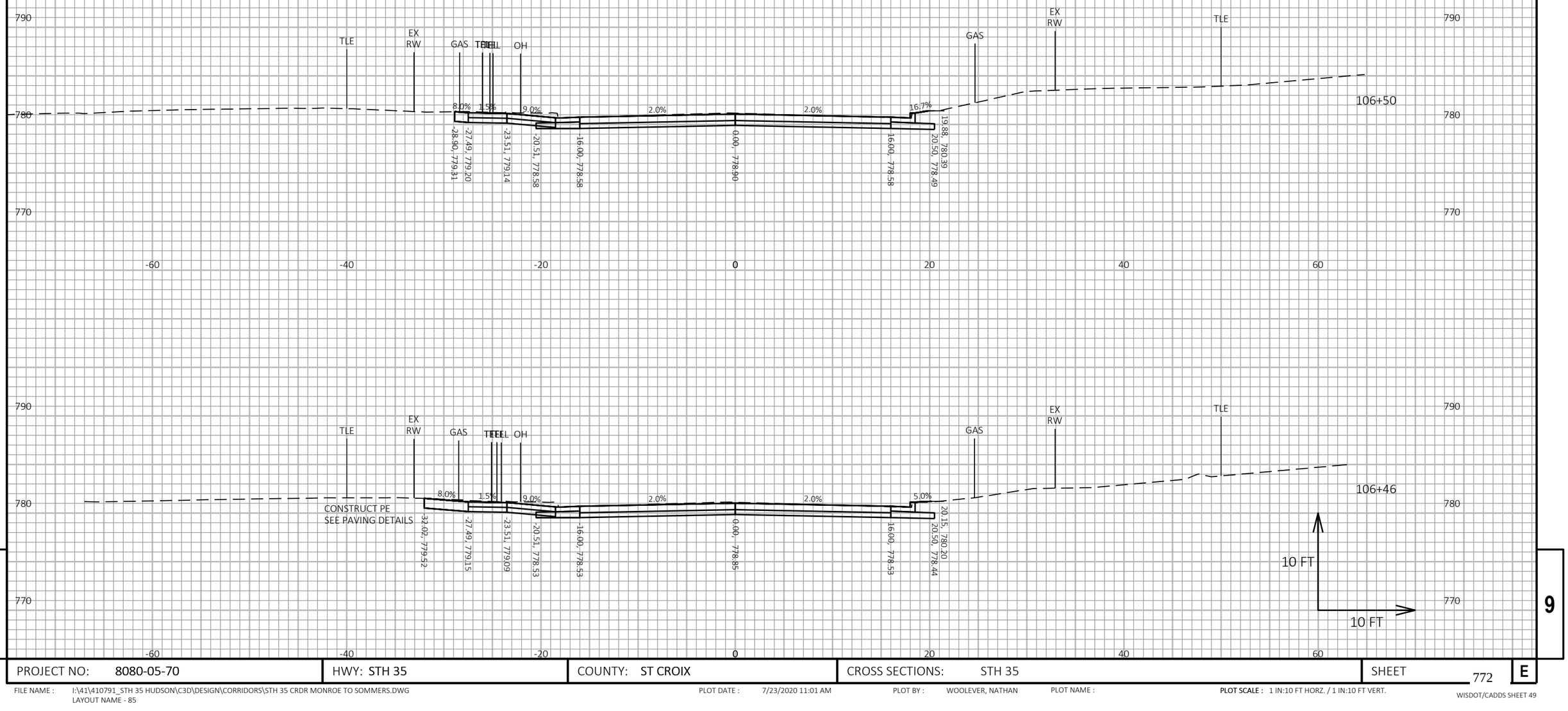
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 771	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 84

PLOT DATE : 7/23/2020 11:01 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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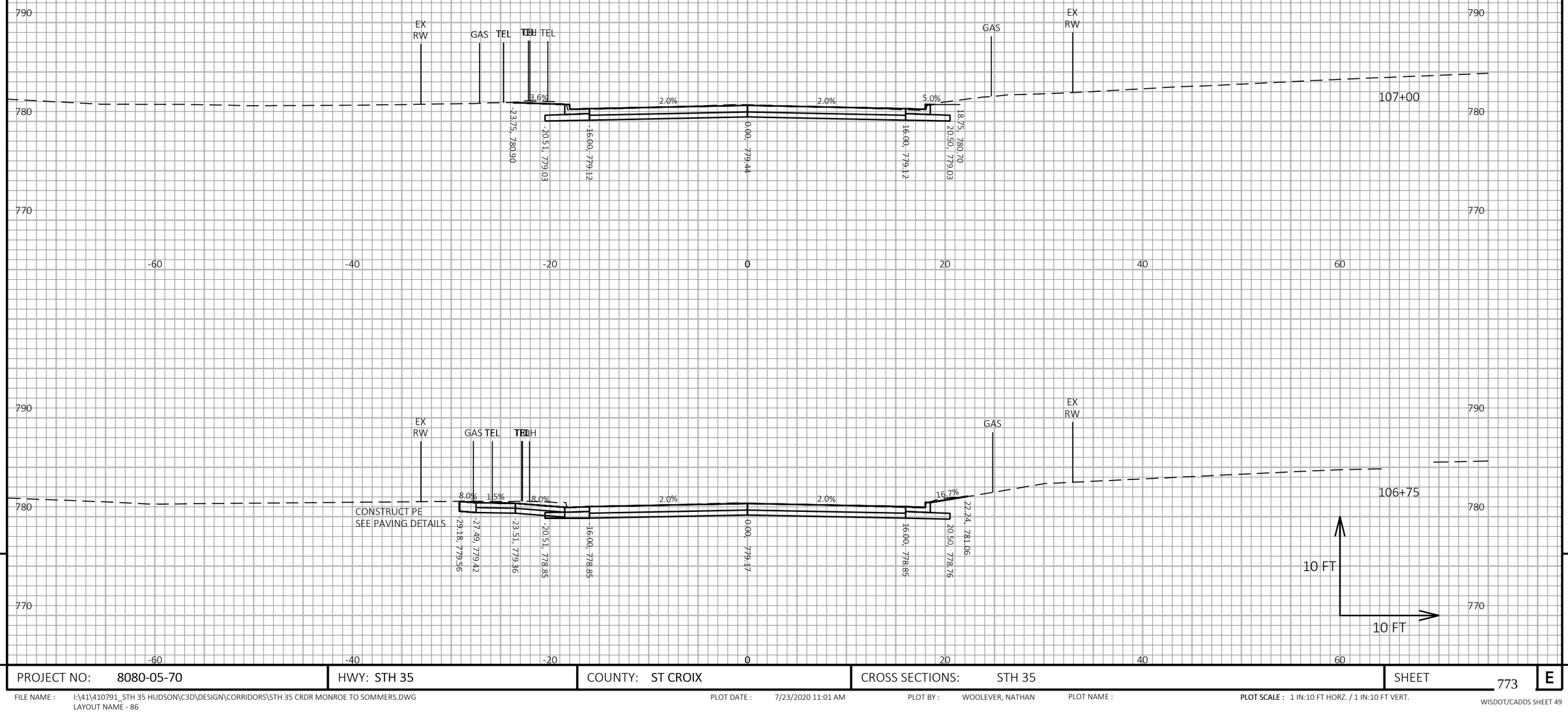
9

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 772	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 85

PLOT DATE : 7/23/2020 11:01 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

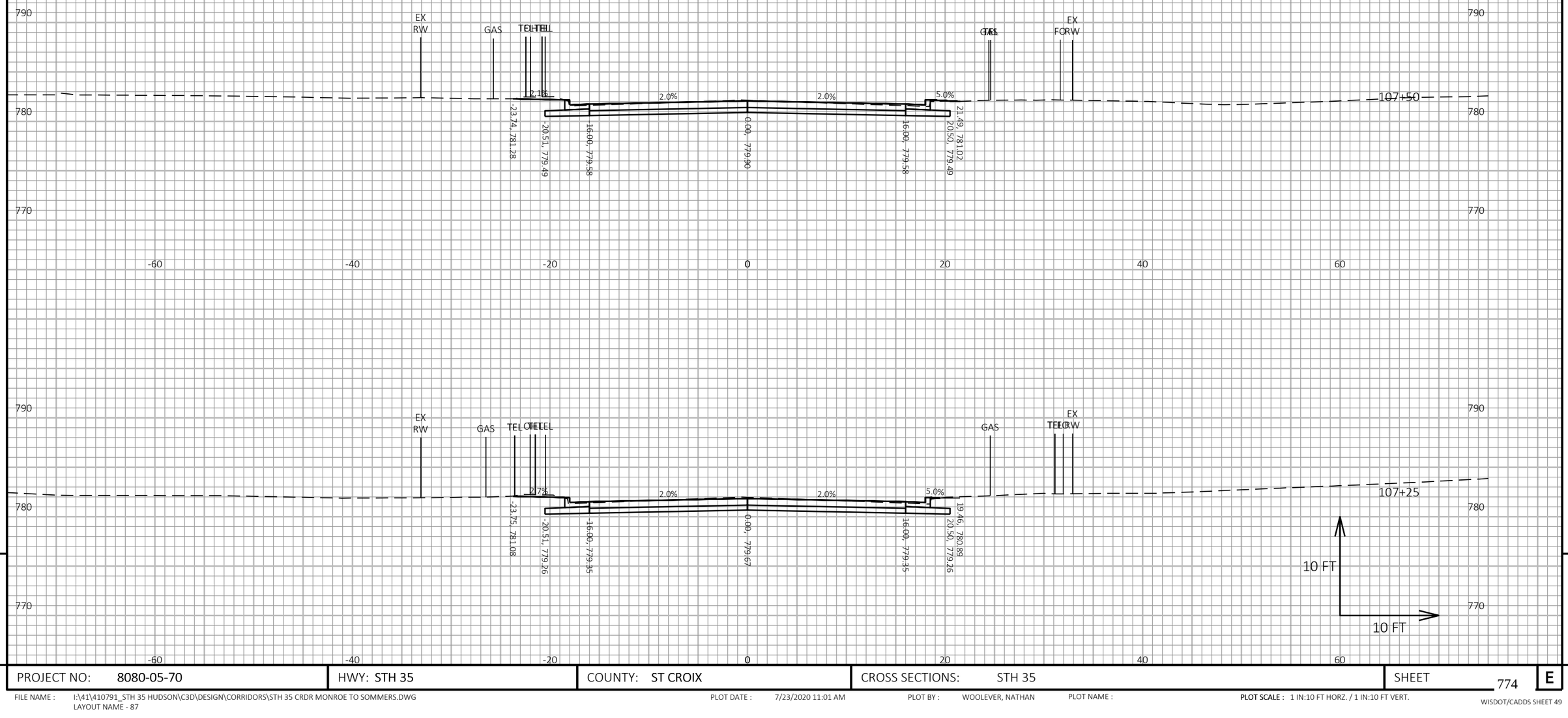
9

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 773	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 86

PLOT DATE : 7/23/2020 11:01 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

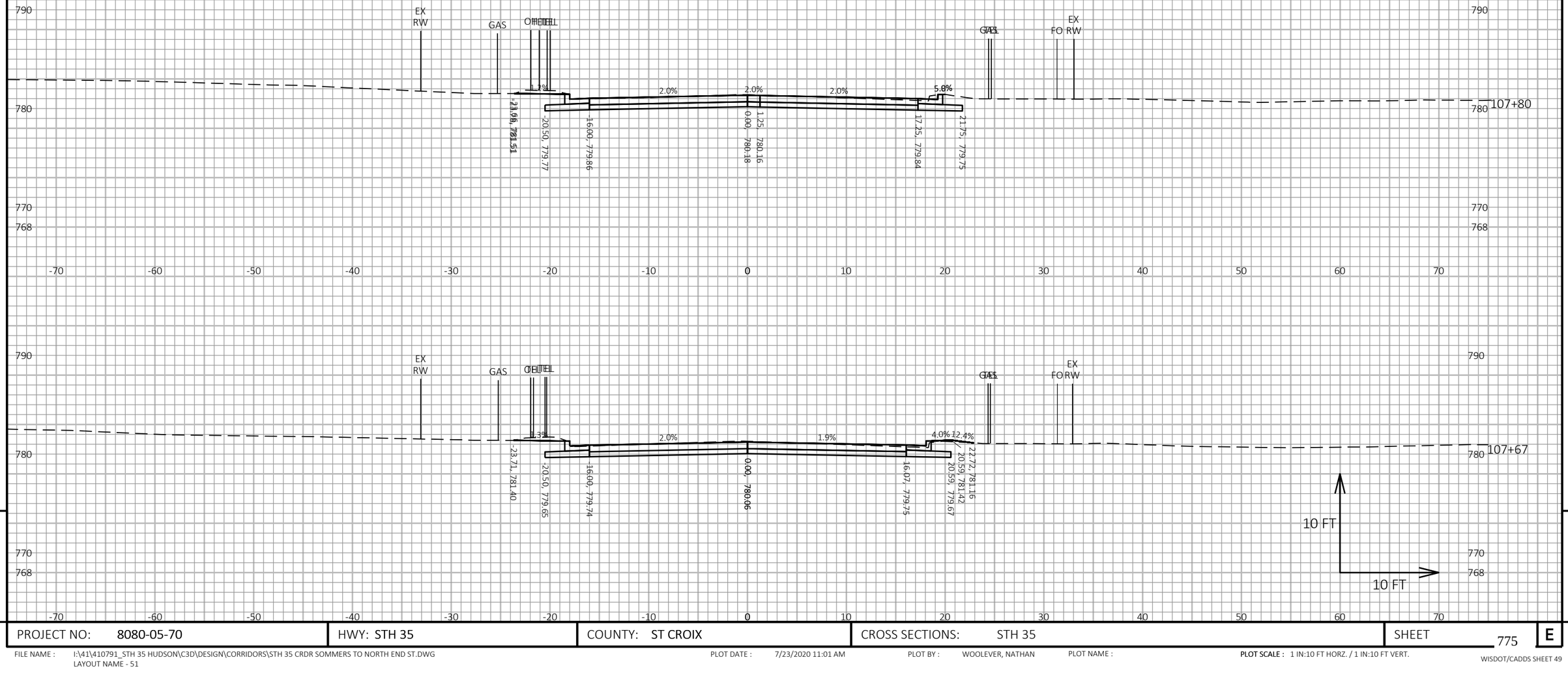
9

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 774	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR MONROE TO SOMMERS.DWG
LAYOUT NAME - 87

PLOT DATE : 7/23/2020 11:01 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

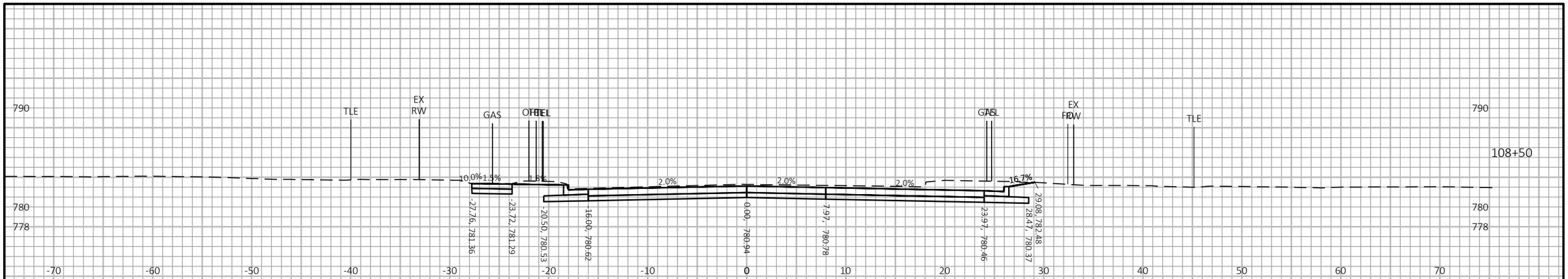
9

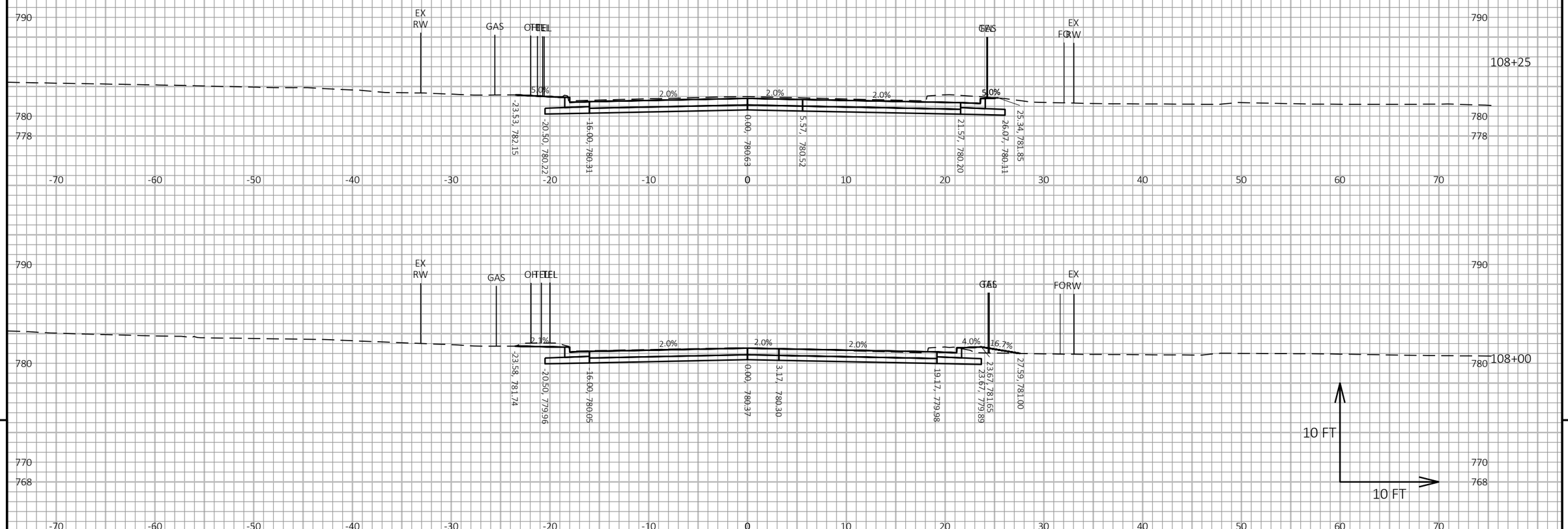
PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 775	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR SOMMERS TO NORTH END ST.DWG
LAYOUT NAME - 51

PLOT DATE : 7/23/2020 11:01 AM PLOT BY : WOOLEVER, NATHAN 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: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 776	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR SOMMERS TO NORTH END ST.DWG
LAYOUT NAME - 52

PLOT DATE : 7/23/2020 11:02 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

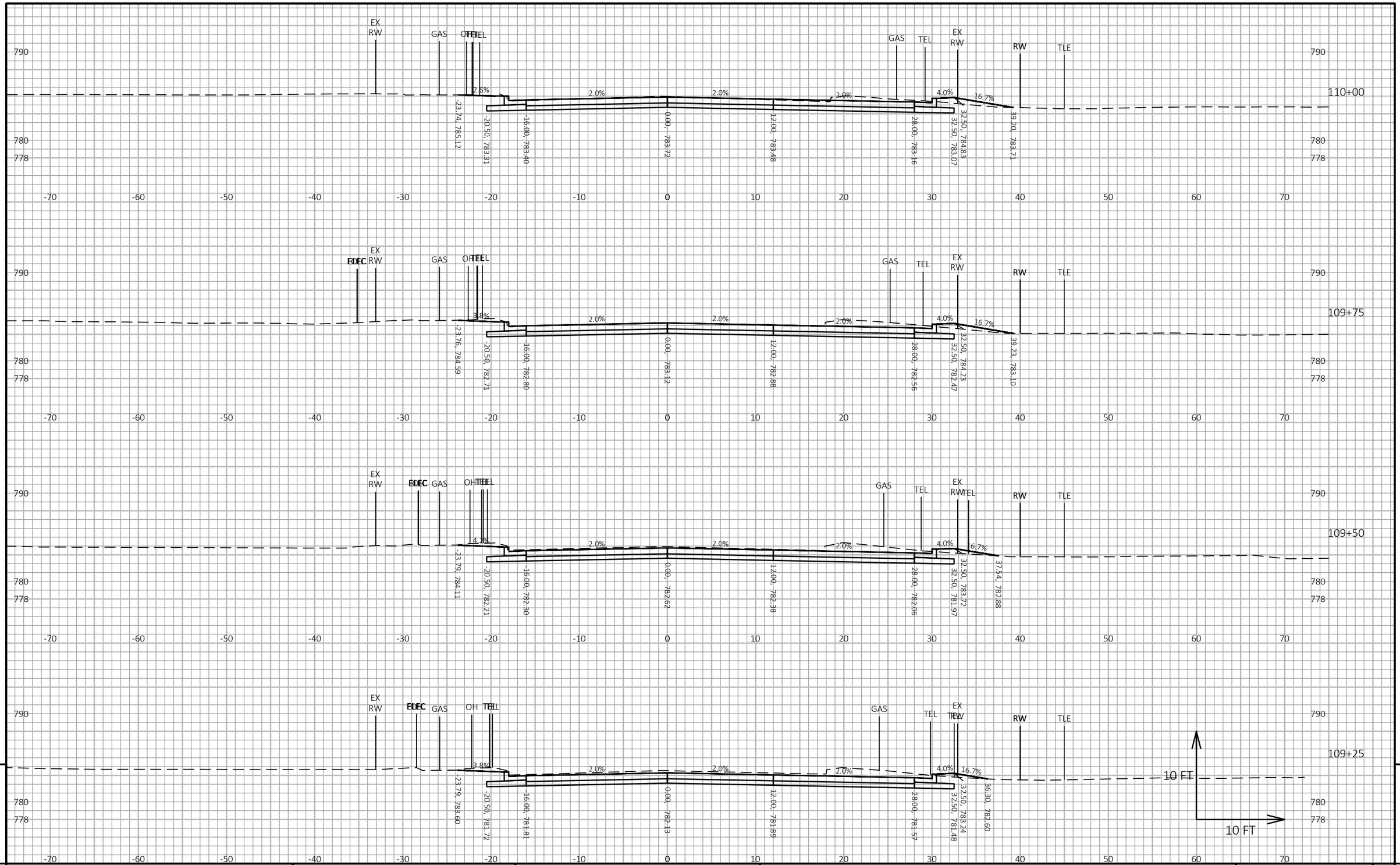
WISDOT/CADDS SHEET 49

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 777	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR SOMMERS TO NORTH END ST.DWG
LAYOUT NAME - 53

PLOT DATE : 7/23/2020 11:02 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 778	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR SOMMERS TO NORTH END ST.DWG
LAYOUT NAME - 54

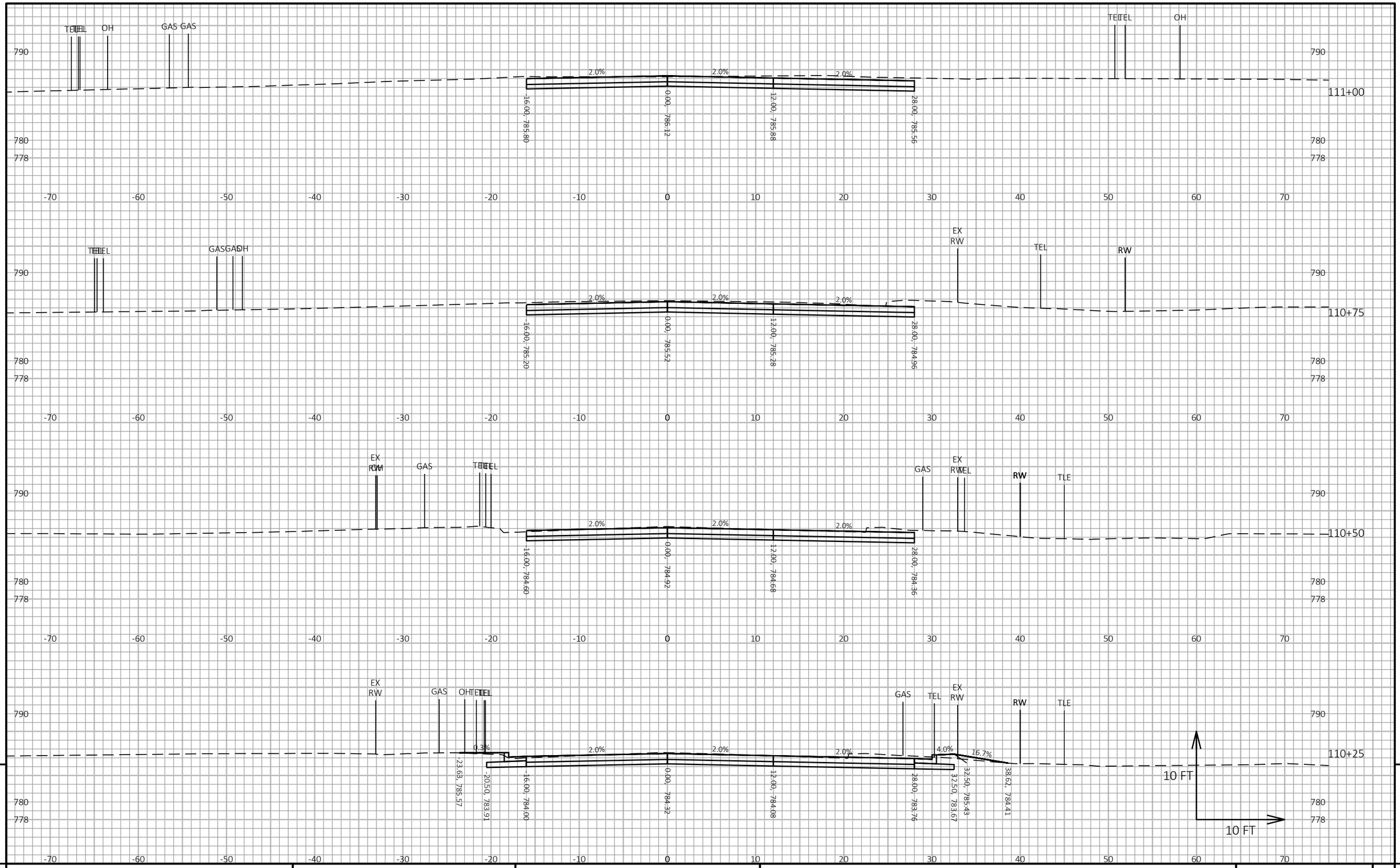
PLOT DATE : 7/23/2020 11:02 AM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

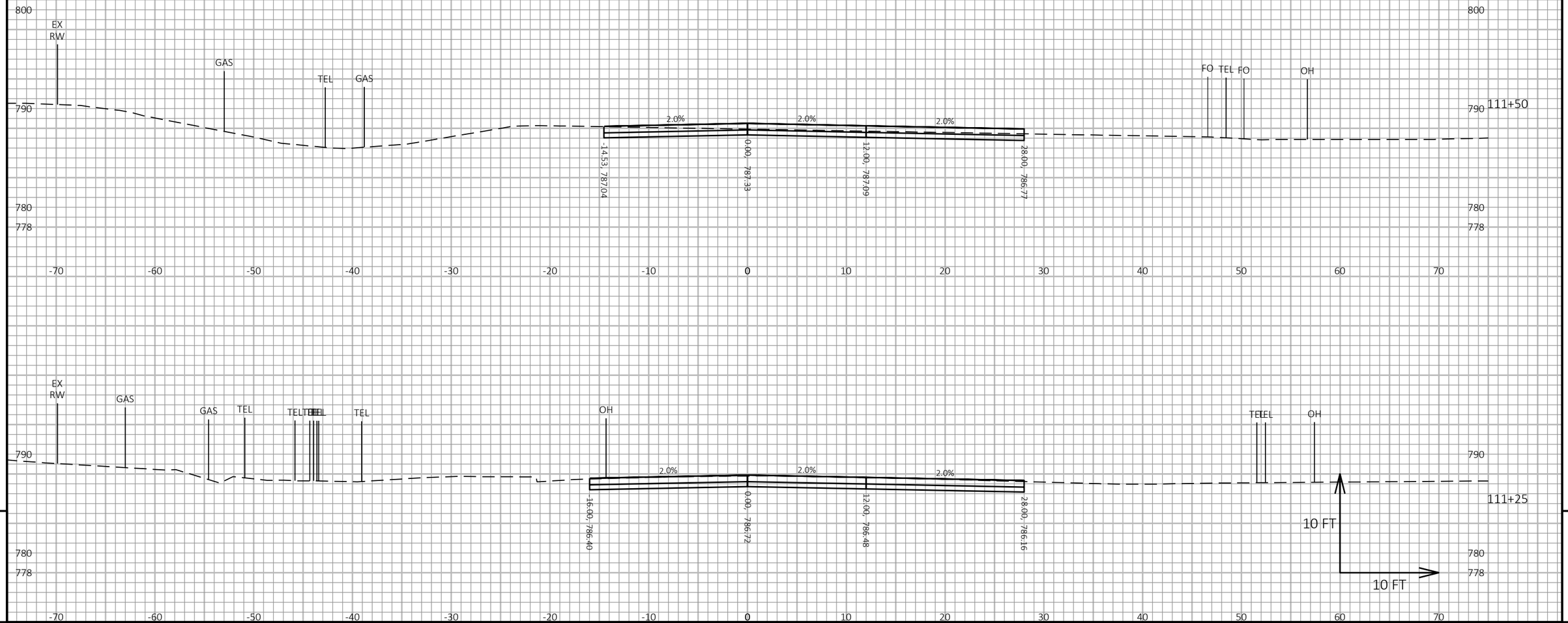
9

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 779	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR SOMMERS TO NORTH END ST.DWG
LAYOUT NAME - 55

PLOT DATE : 7/23/2020 11:02 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

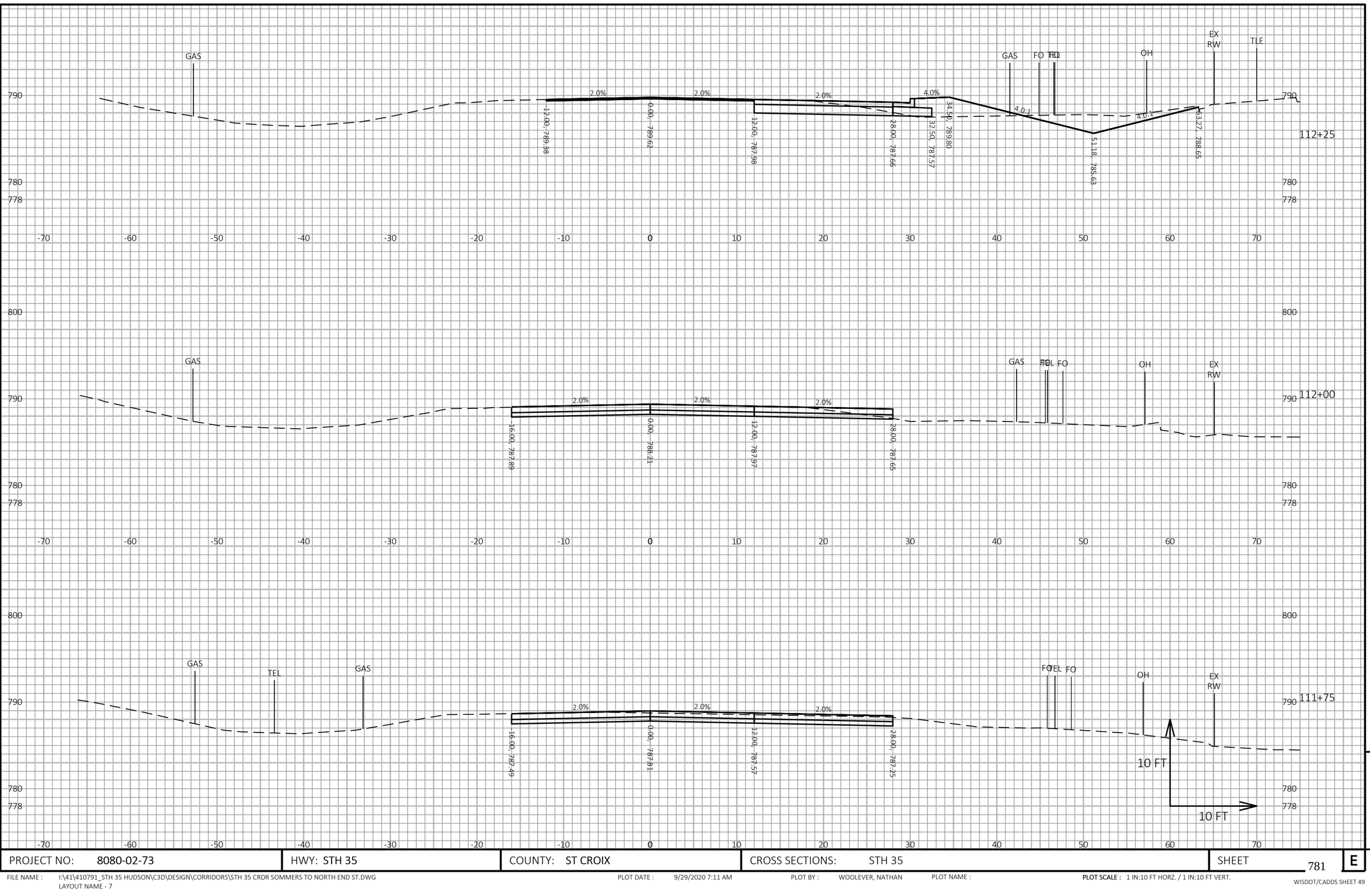
9

PROJECT NO: 8080-05-70	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 780	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR SOMMERS TO NORTH END ST.DWG
LAYOUT NAME - 56

PLOT DATE : 7/23/2020 11:02 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

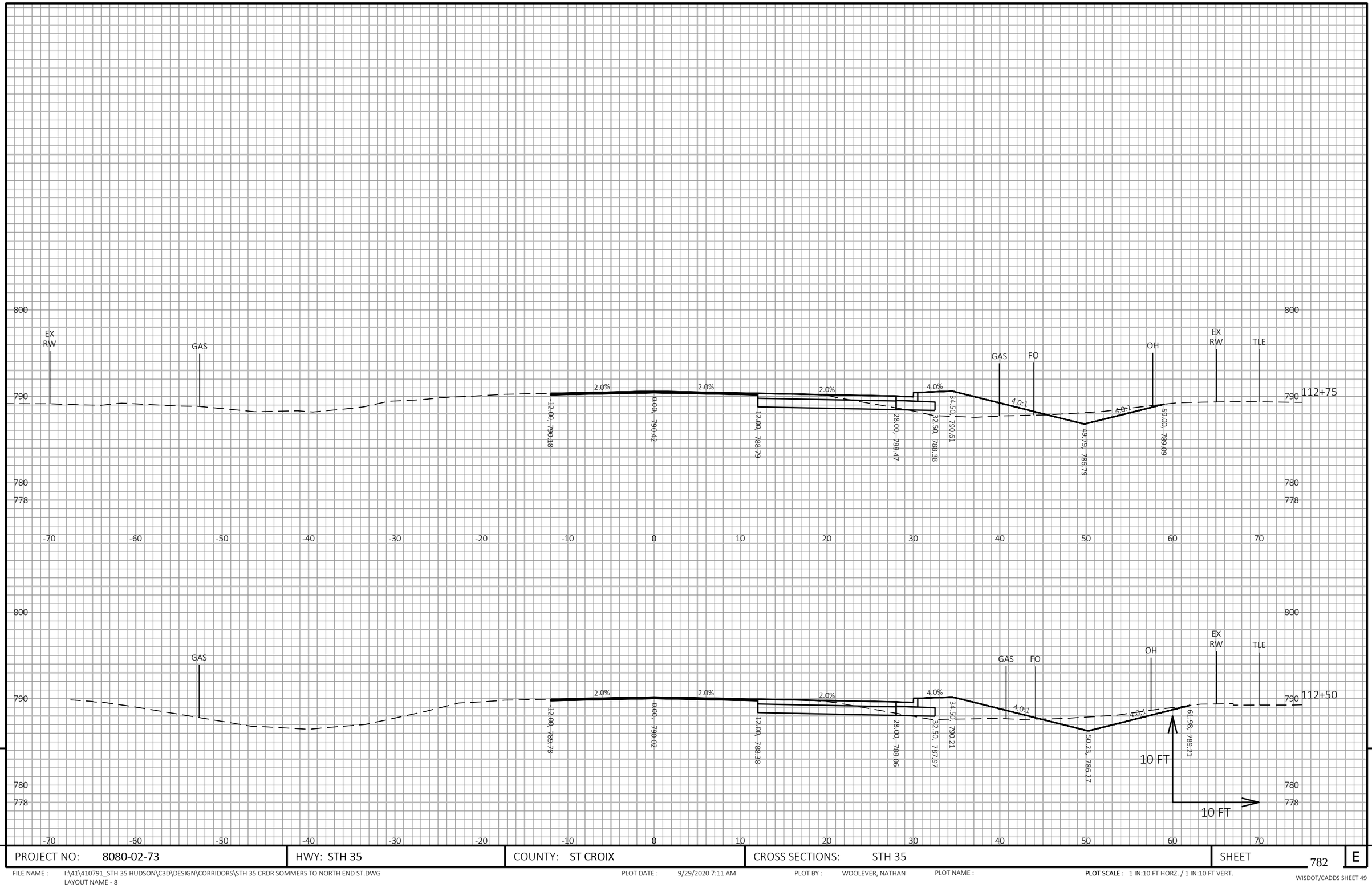


PROJECT NO: 8080-02-73	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 781	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR SOMMERS TO NORTH END ST.DWG
LAYOUT NAME - 7

PLOT DATE : 9/29/2020 7:11 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

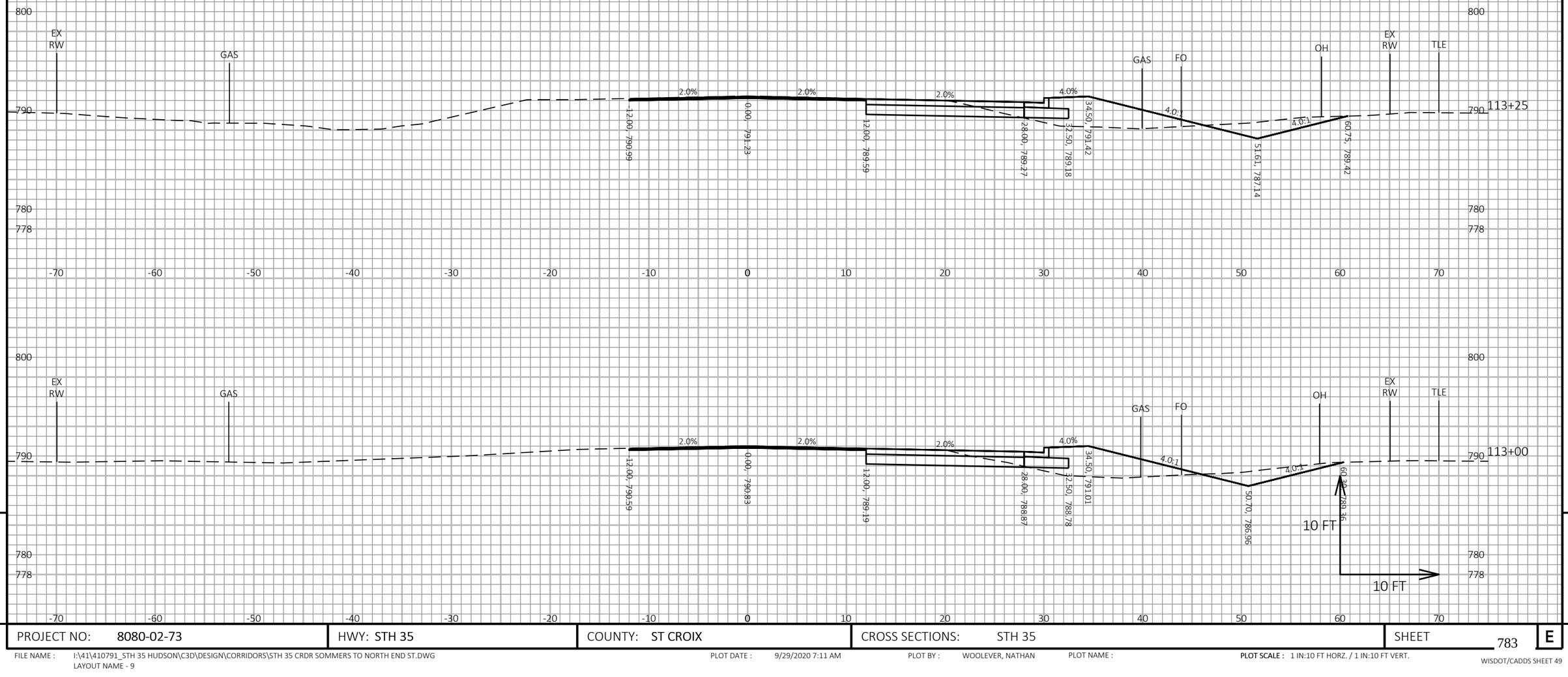


PROJECT NO: 8080-02-73	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 782	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR SOMMERS TO NORTH END ST.DWG
LAYOUT NAME - 8

PLOT DATE : 9/29/2020 7:11 AM PLOT BY : WOOLEVER, NATHAN 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: 8080-02-73	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 783	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR SOMMERS TO NORTH END ST.DWG
LAYOUT NAME - 9

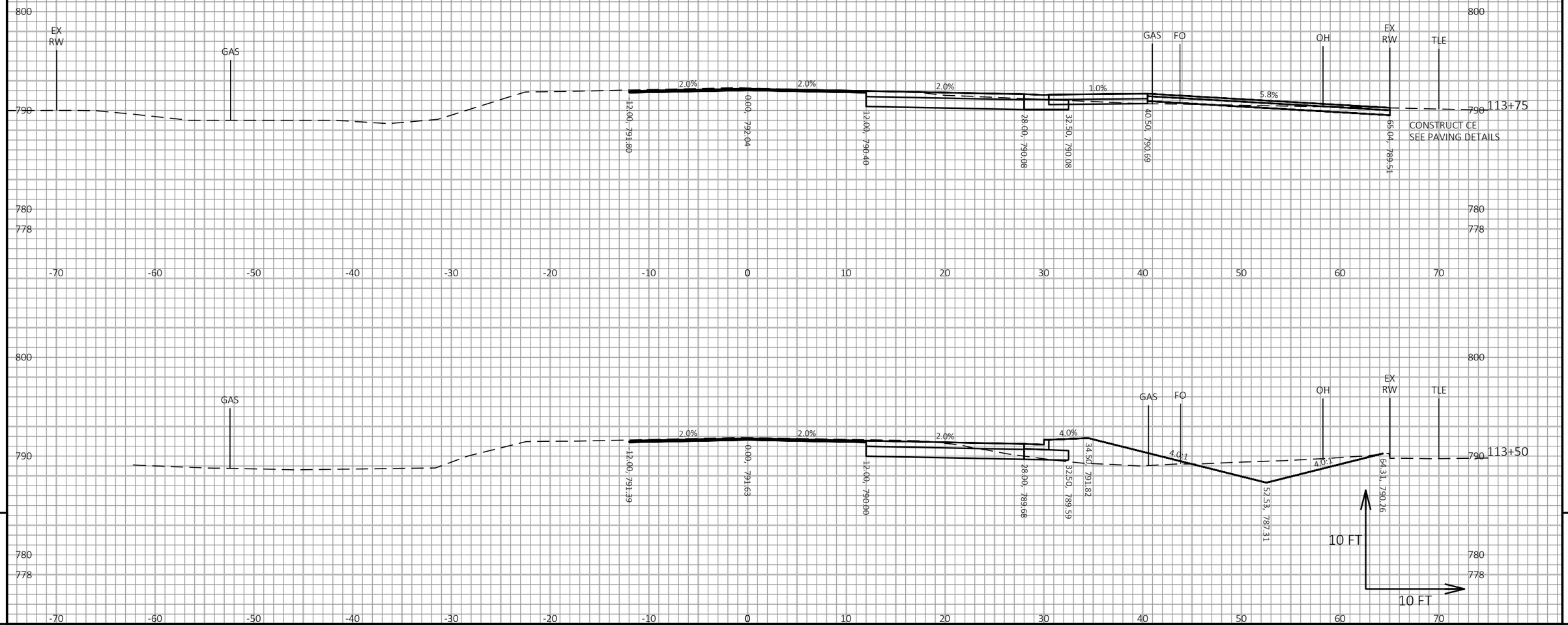
PLOT DATE : 9/29/2020 7:11 AM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

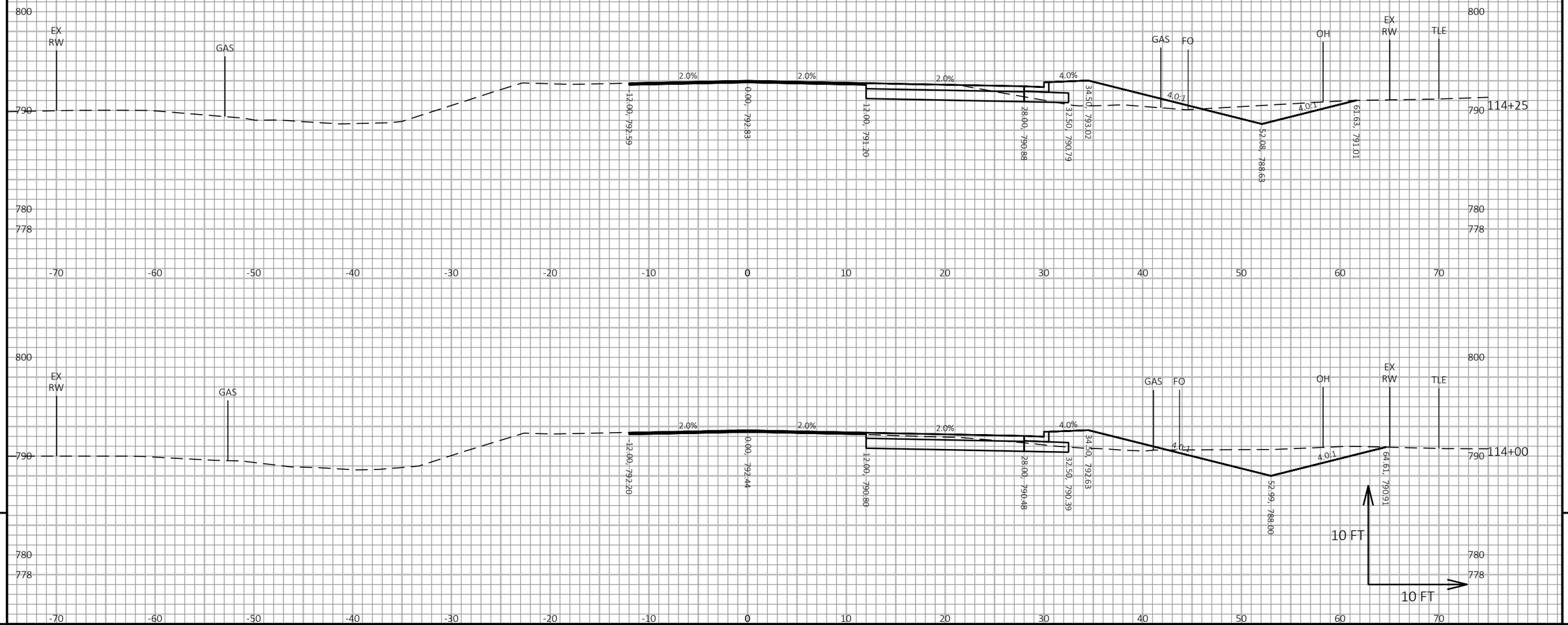
WISDOT/CADDS SHEET 49



9 9

PROJECT NO: 8080-02-73 | HWY: STH 35 | COUNTY: ST CROIX | CROSS SECTIONS: STH 35 | SHEET 784 E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR SOMMERS TO NORTH END ST.DWG
LAYOUT NAME - 10
PLOT DATE : 9/29/2020 7:11 AM
PLOT BY : WOOLEVER, NATHAN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 8080-02-73	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 785	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR SOMMERS TO NORTH END ST.DWG
LAYOUT NAME - 11

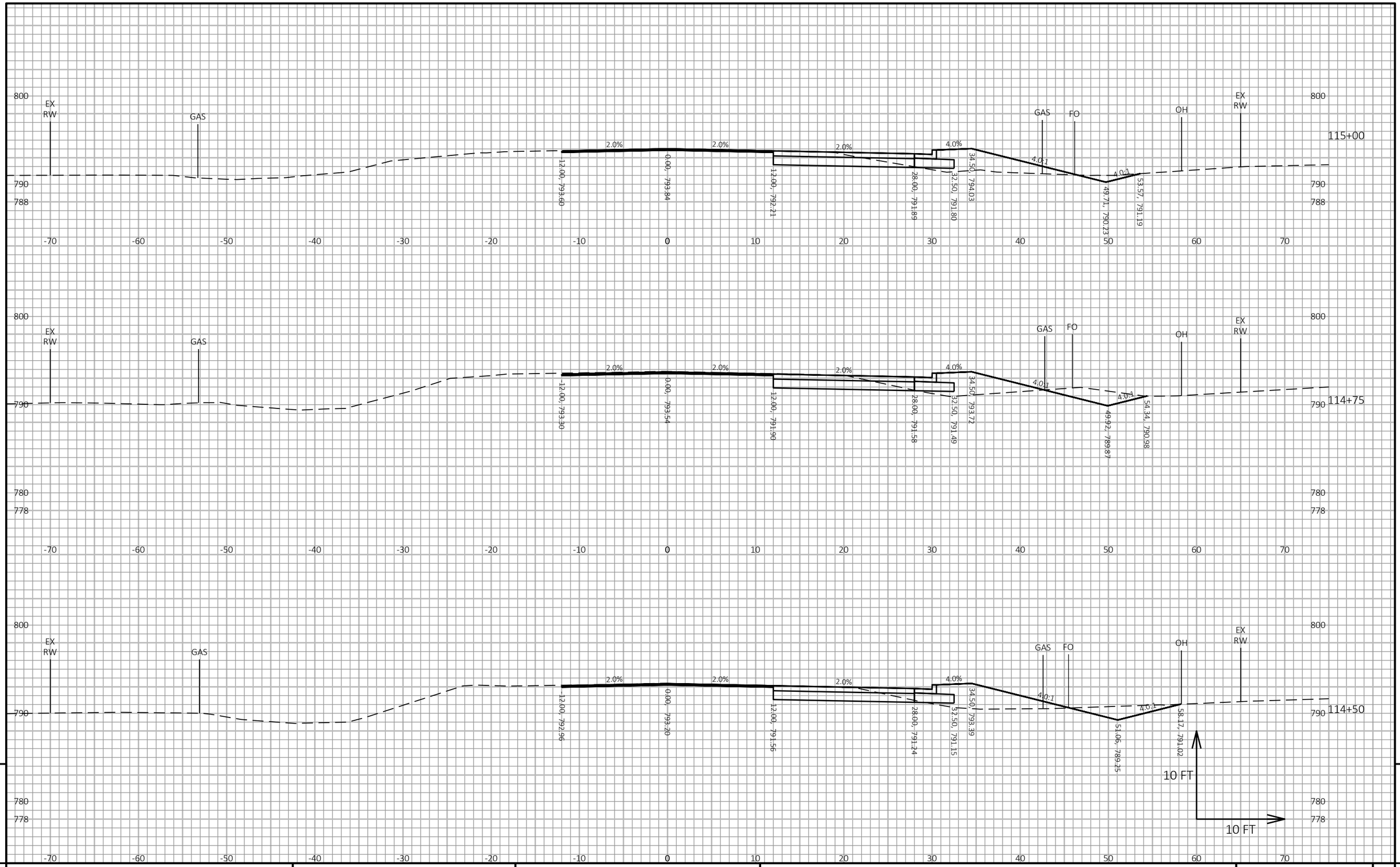
PLOT DATE : 9/29/2020 7:12 AM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 8080-02-73	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 786	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR SOMMERS TO NORTH END ST.DWG
LAYOUT NAME - 12

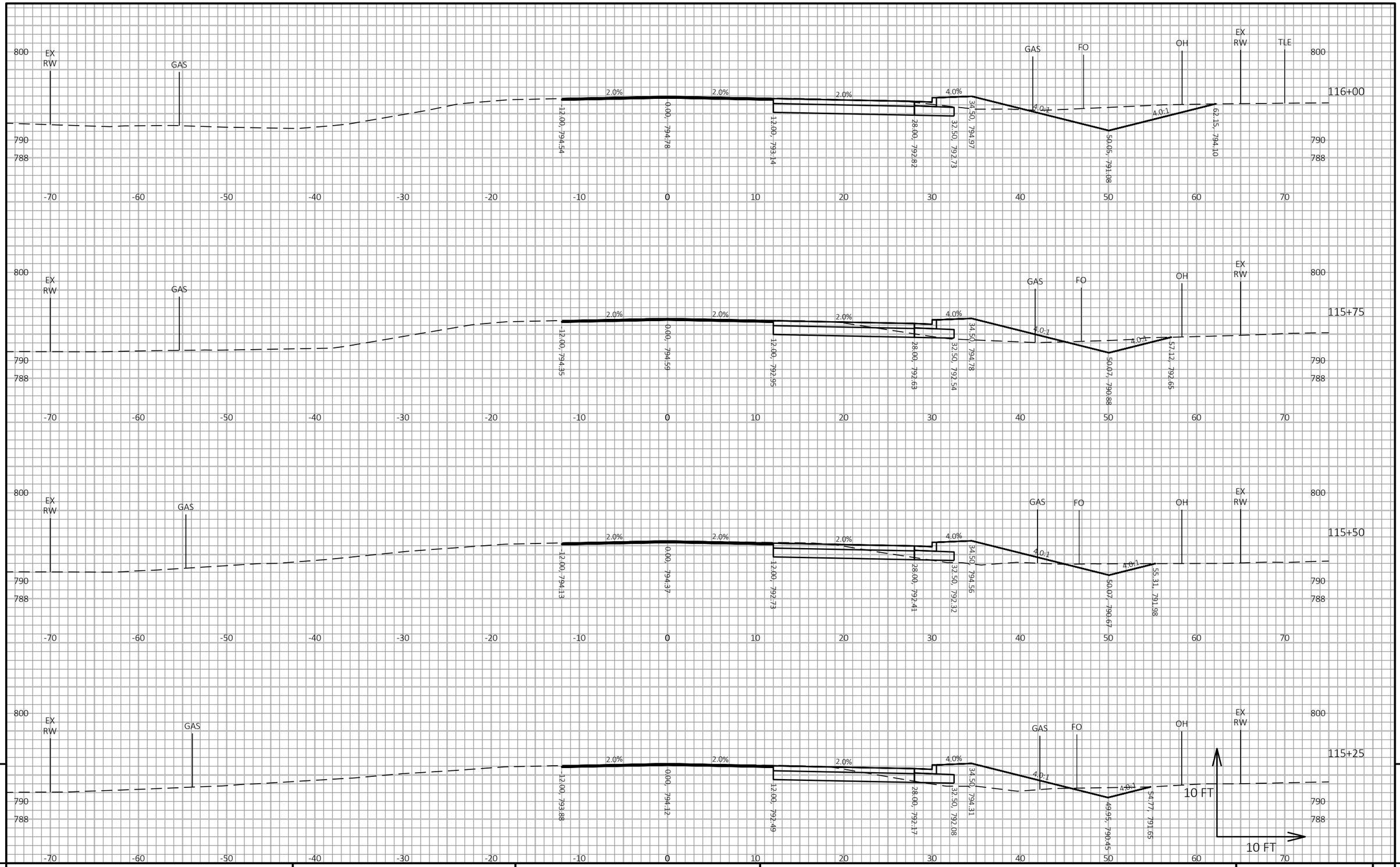
PLOT DATE : 9/29/2020 7:12 AM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



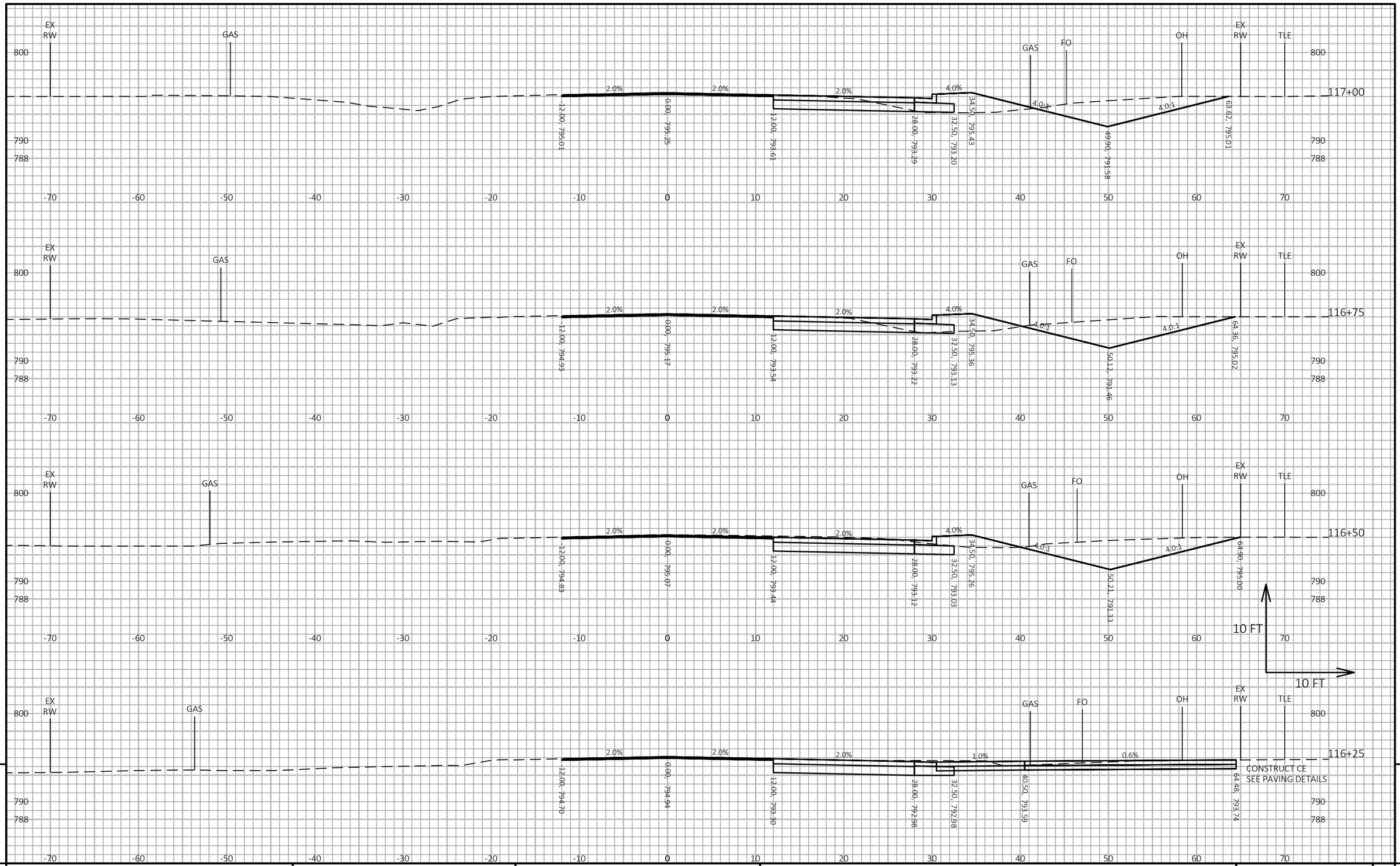
9

9

PROJECT NO: 8080-02-73	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 787	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR SOMMERS TO NORTH END ST.DWG
LAYOUT NAME - 13

PLOT DATE : 9/29/2020 7:12 AM PLOT BY : WOOLEVER, NATHAN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 8080-02-73	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 788	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR SOMMERS TO NORTH END ST.DWG
LAYOUT NAME - 14

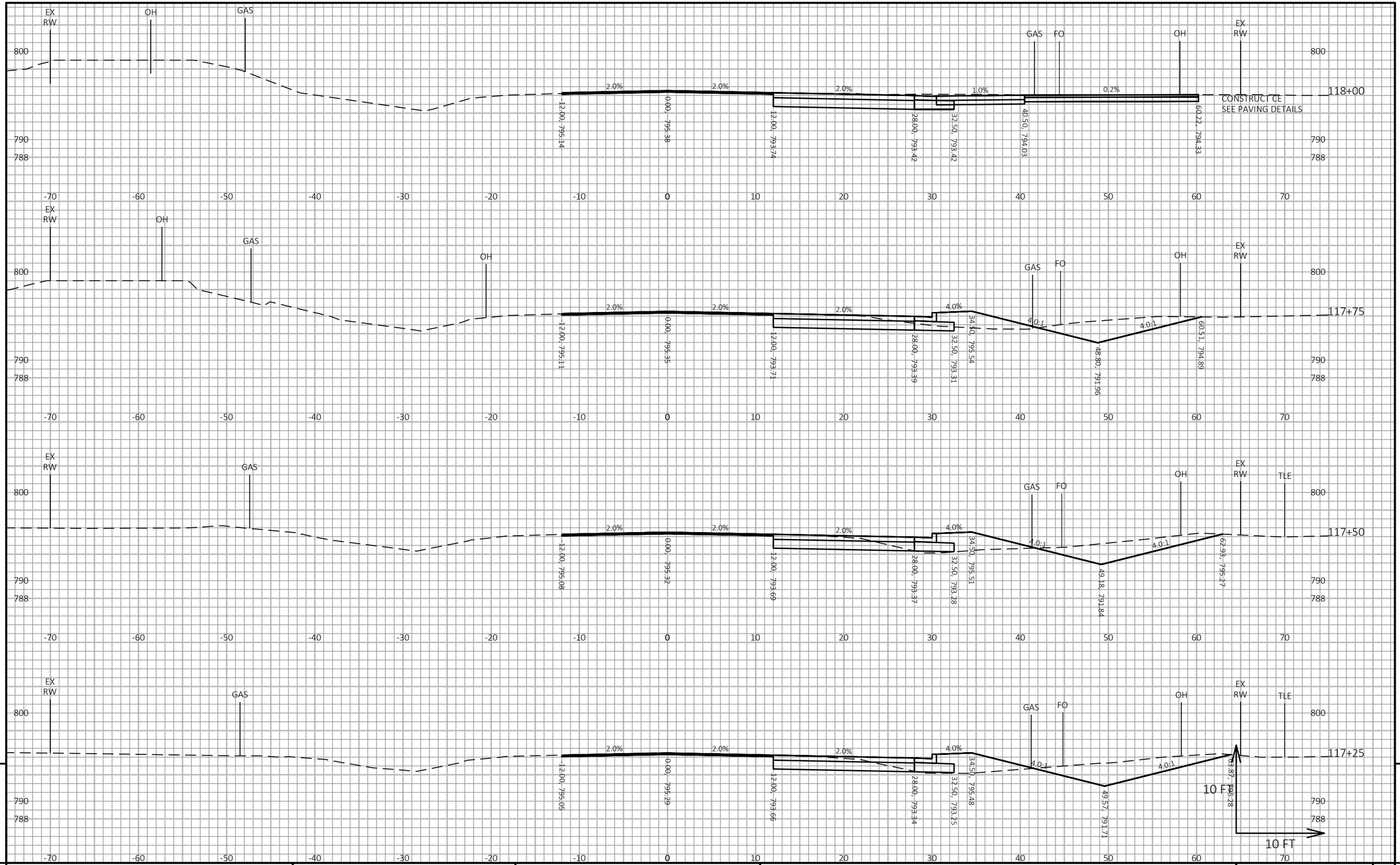
PLOT DATE : 9/29/2020 7:12 AM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 8080-02-73	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 789	E

FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR SOMMERS TO NORTH END ST.DWG
LAYOUT NAME - 15

PLOT DATE : 9/29/2020 7:12 AM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

9

PROJECT NO: 8080-02-73	HWY: STH 35	COUNTY: ST CROIX	CROSS SECTIONS: STH 35	SHEET 790	E

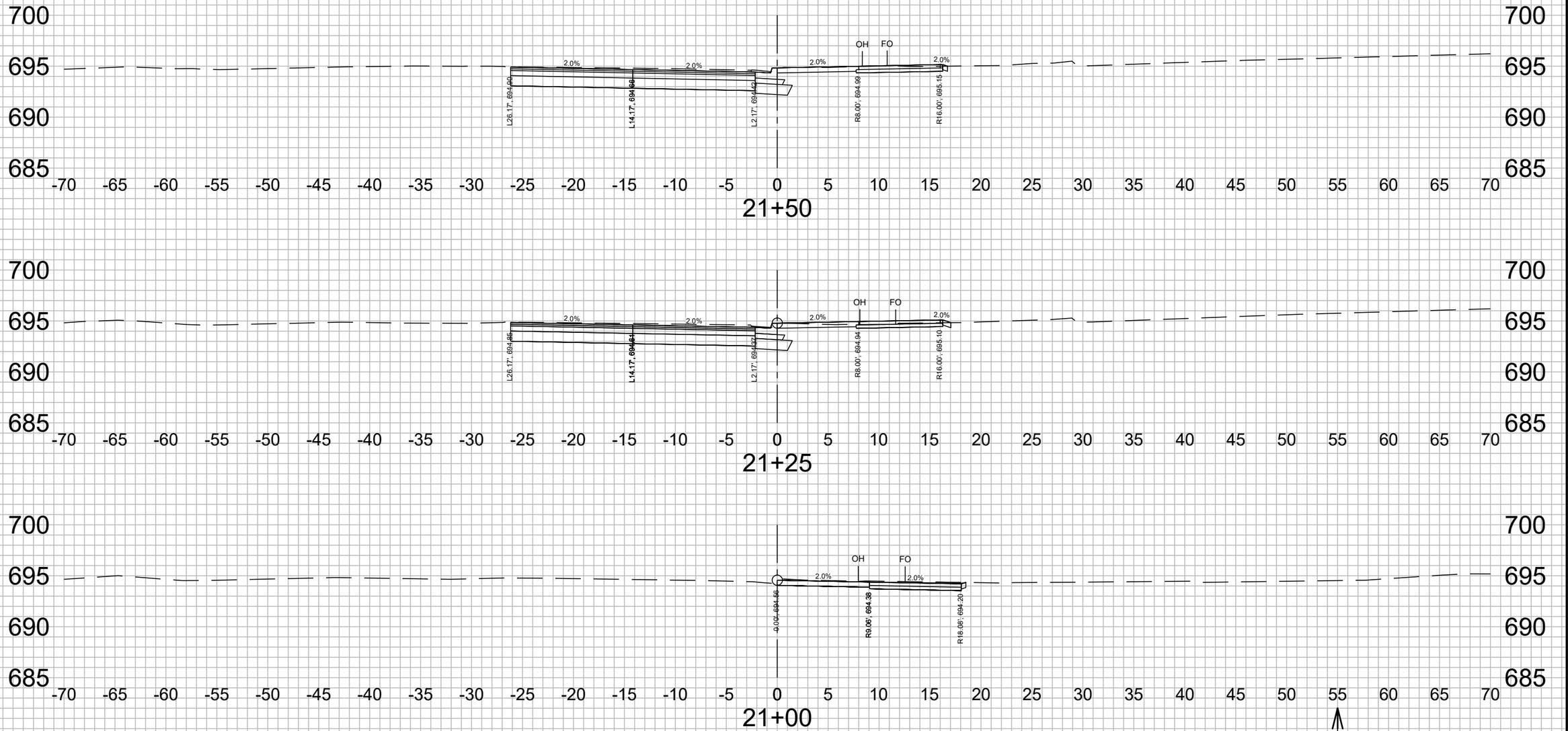
FILE NAME : I:\41\410791_STH 35 HUDSON\C3D\DESIGN\CORRIDORS\STH 35 CRDR SOMMERS TO NORTH END ST.DWG
LAYOUT NAME - 16

PLOT DATE : 9/29/2020 7:12 AM

PLOT BY : WOOLEVER, NATHAN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

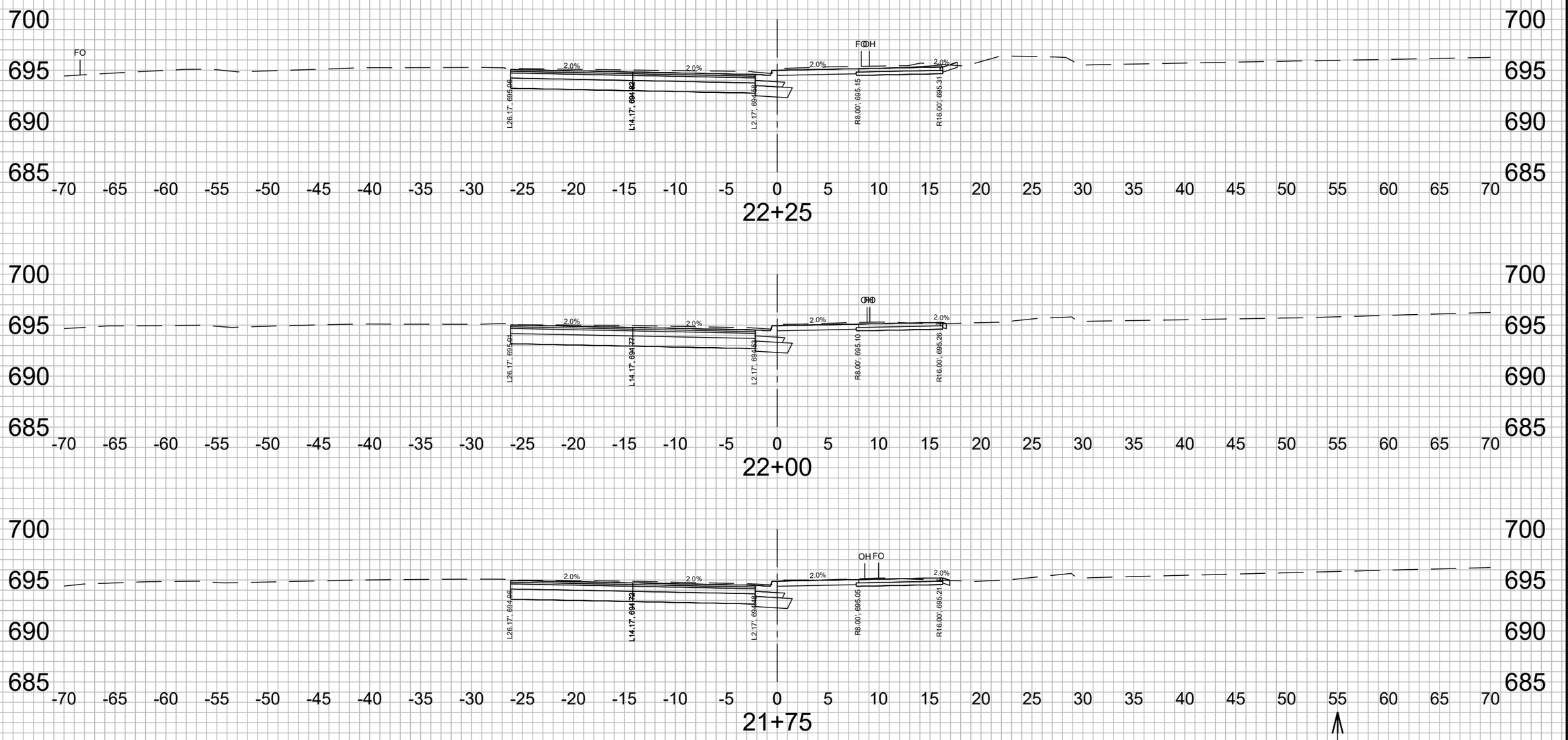


PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	CROSS SECTIONS: STH 35 TRAIL CROSS SECTIONS	SHEET 791 E

FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626XS - WWTP.DWG
LAYOUT NAME - CROSS SECTIONS 1

PLOT DATE : 9/4/2020 1:35 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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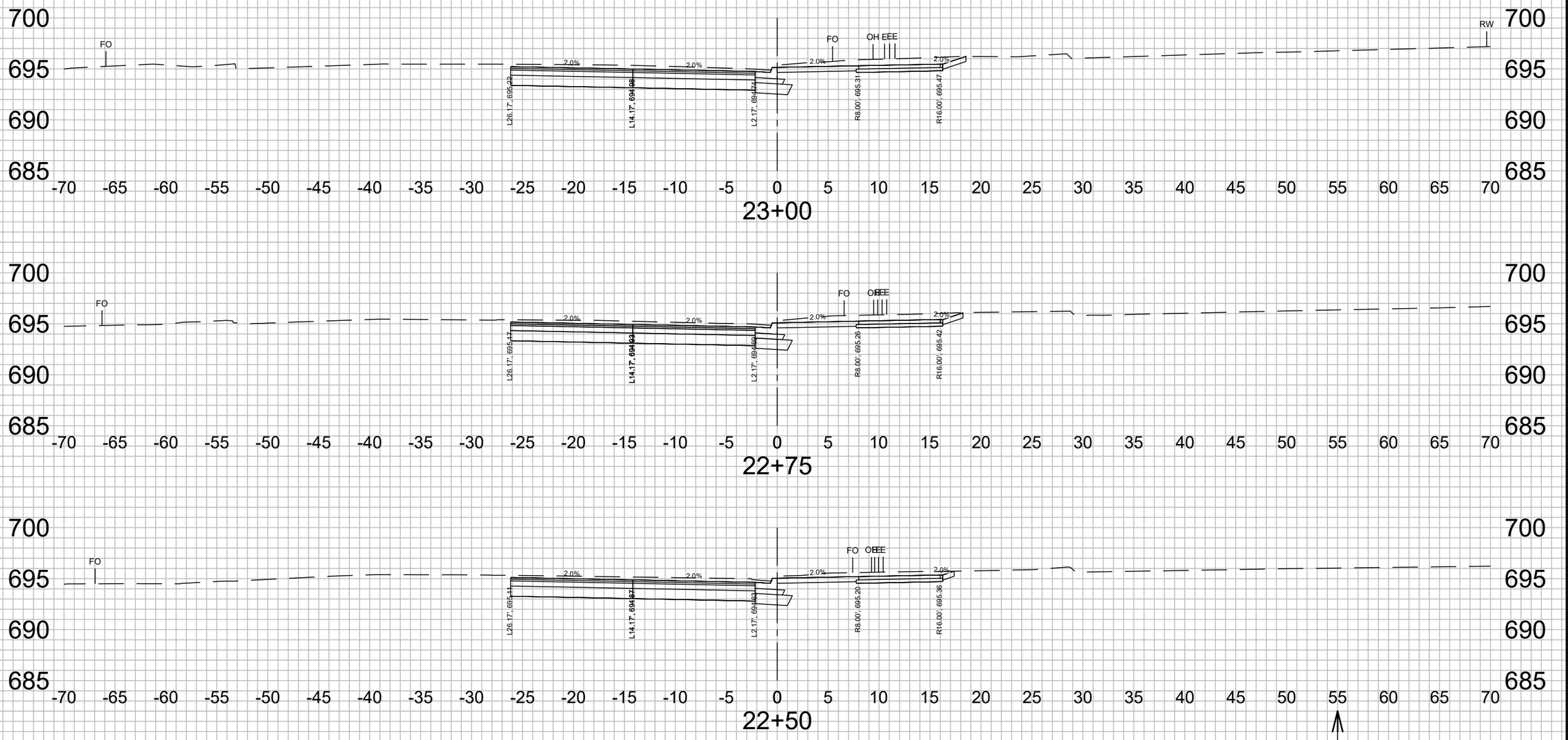
PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	CROSS SECTIONS: STH 35 TRAIL CROSS SECTIONS	SHEET 792	E

FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626XS - WWTP.DWG
LAYOUT NAME - CROSS SECTIONS 2

PLOT DATE : 9/4/2020 1:35 PM PLOT BY : SARAH AARTHUN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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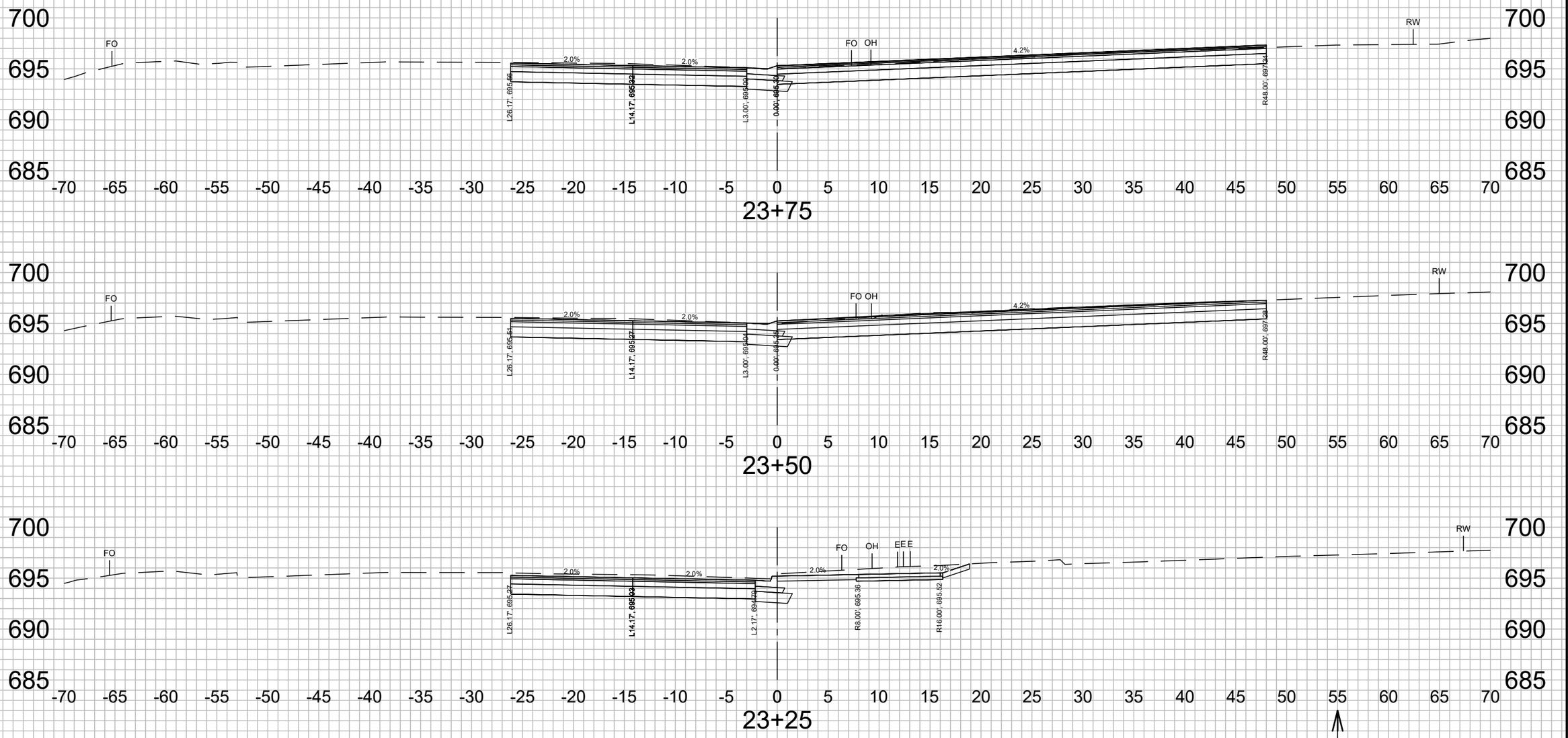
PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	CROSS SECTIONS: STH 35 TRAIL CROSS SECTIONS	SHEET 793	E

FILE NAME : P:\FJH\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626XS - WWTP.DWG
LAYOUT NAME - CROSS SECTIONS 3

PLOT DATE : 9/4/2020 1:35 PM PLOT BY : SARAH AARTHUN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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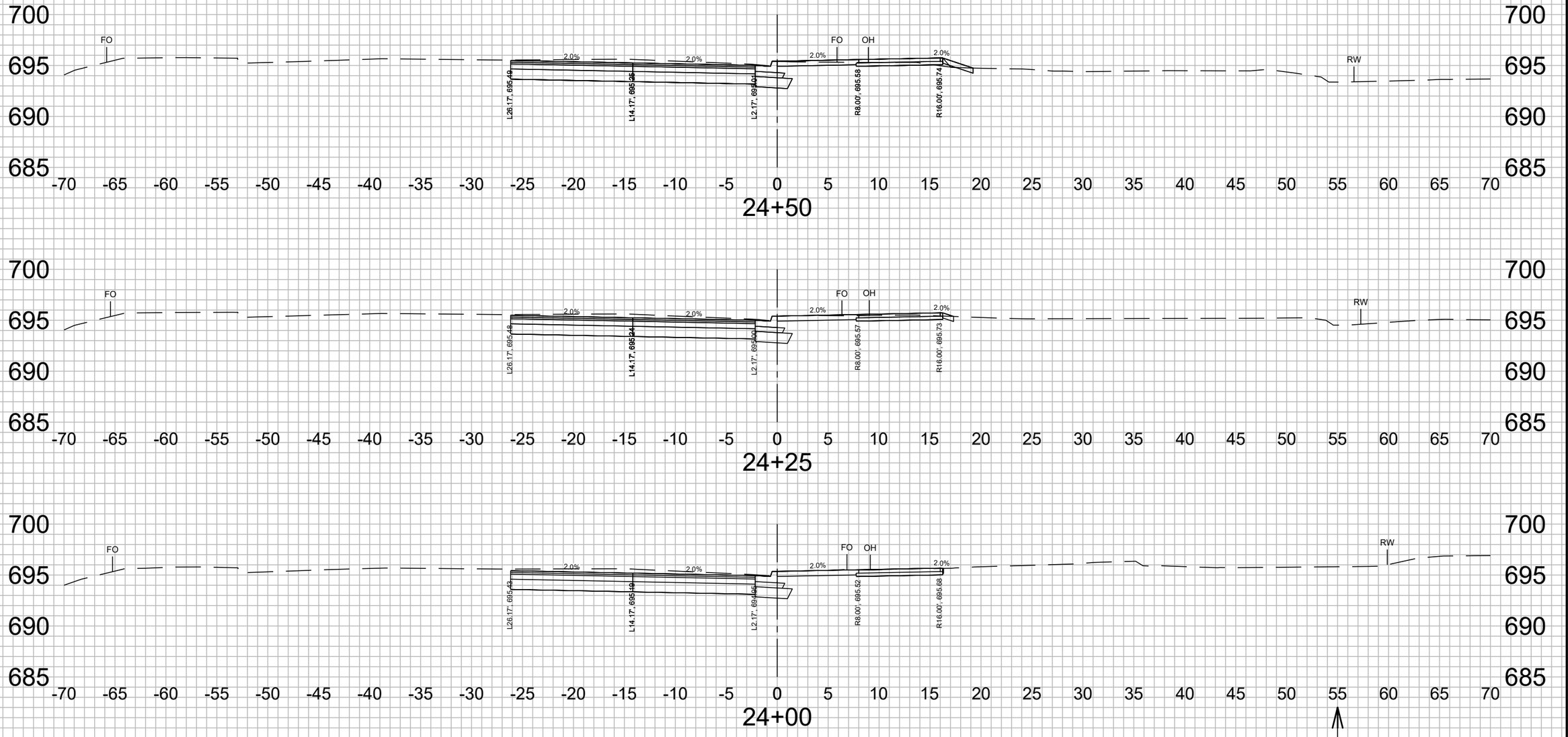
PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	CROSS SECTIONS: STH 35 TRAIL CROSS SECTIONS	SHEET 794	E

FILE NAME : P:\FJH\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626XS - WWTP.DWG
LAYOUT NAME - CROSS SECTIONS 4

PLOT DATE : 9/4/2020 1:35 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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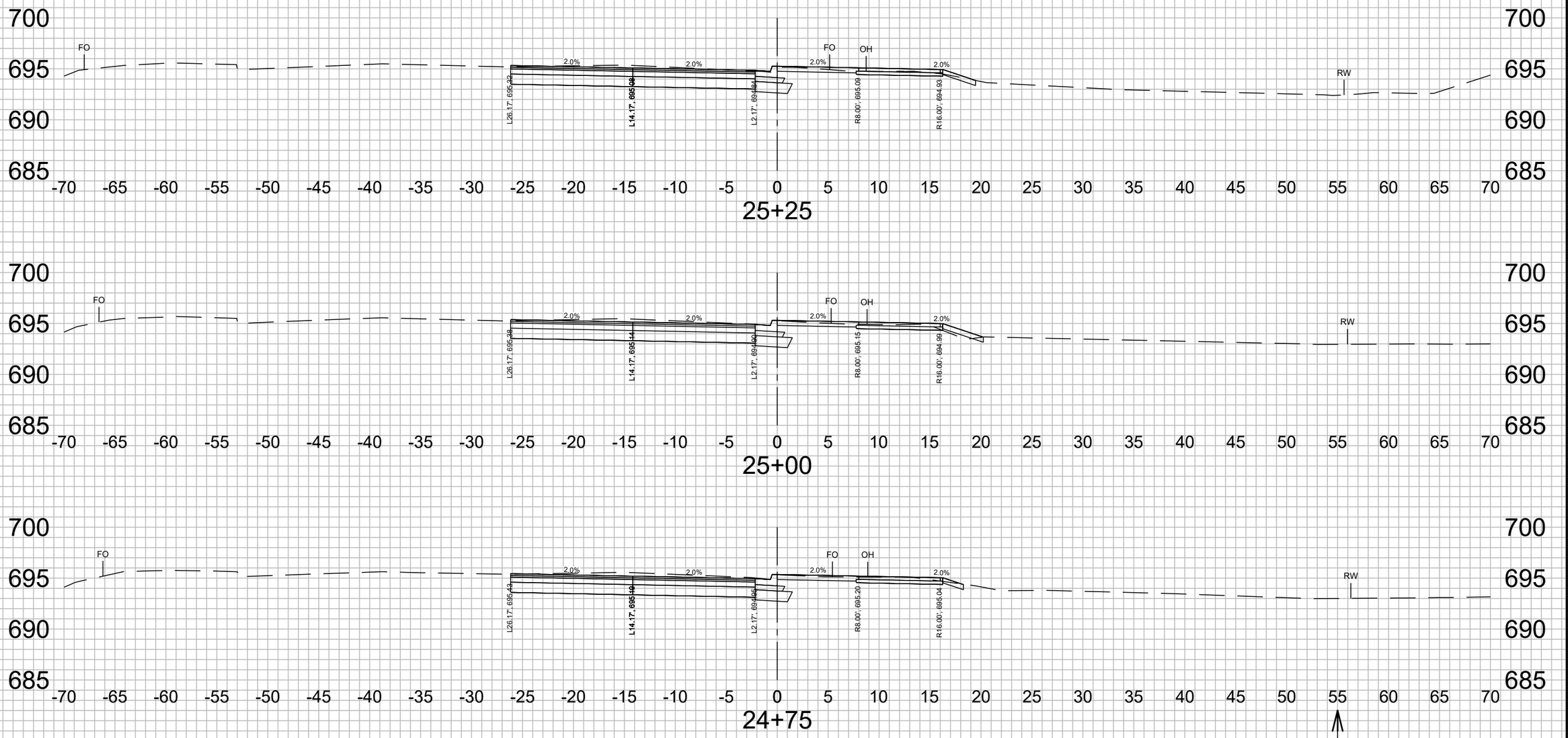
PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	CROSS SECTIONS: STH 35 TRAIL CROSS SECTIONS	SHEET 795	E

FILE NAME : P:\FJH\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626XS - WWTP.DWG
LAYOUT NAME - CROSS SECTIONS 5

PLOT DATE : 9/4/2020 1:35 PM PLOT BY : SARAH AARTHUN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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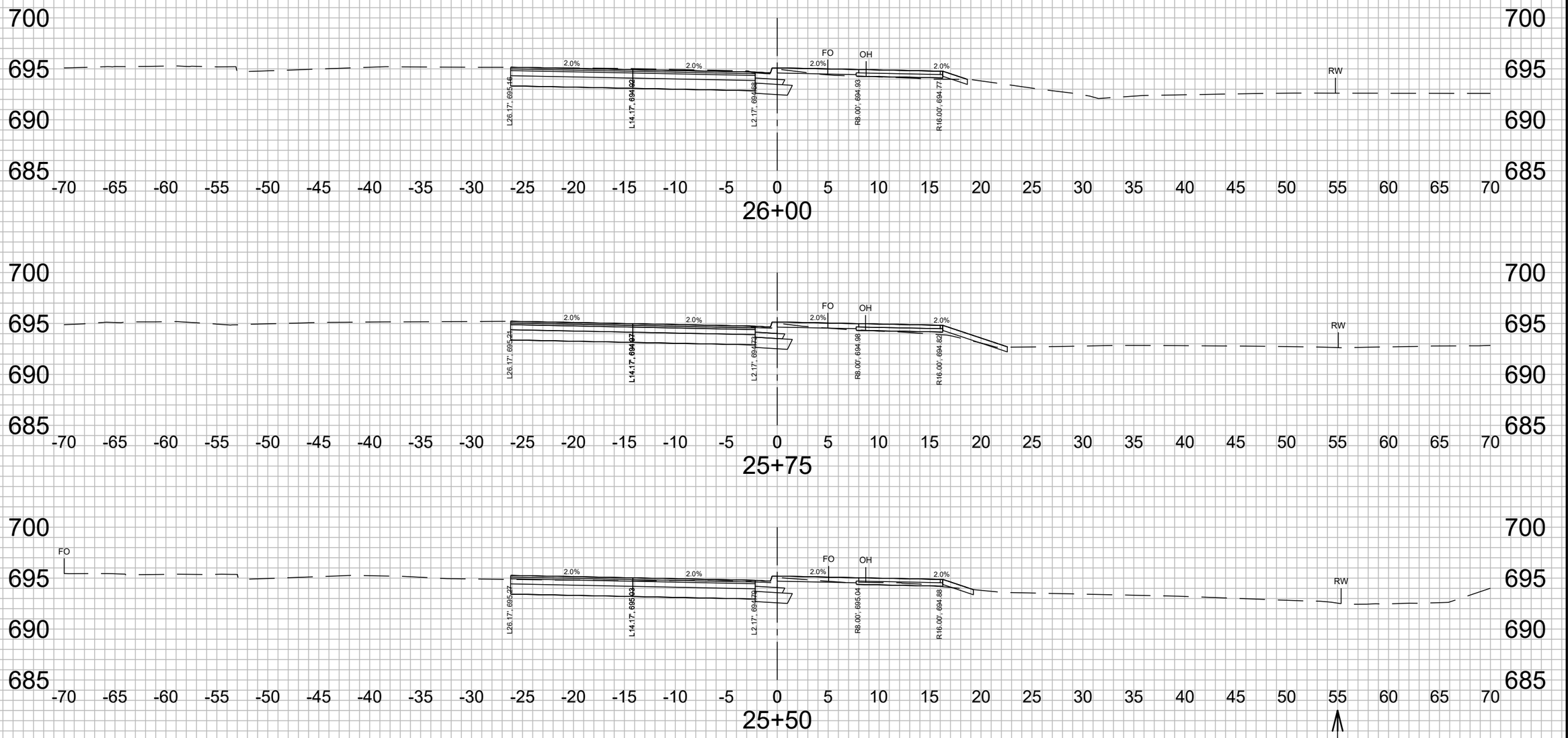
PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	CROSS SECTIONS: STH 35 TRAIL CROSS SECTIONS	SHEET 796	E

FILE NAME : P:\FJH\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626XS - WWTP.DWG
LAYOUT NAME - CROSS SECTIONS 6

PLOT DATE : 9/4/2020 1:36 PM PLOT BY : SARAH AARTHUN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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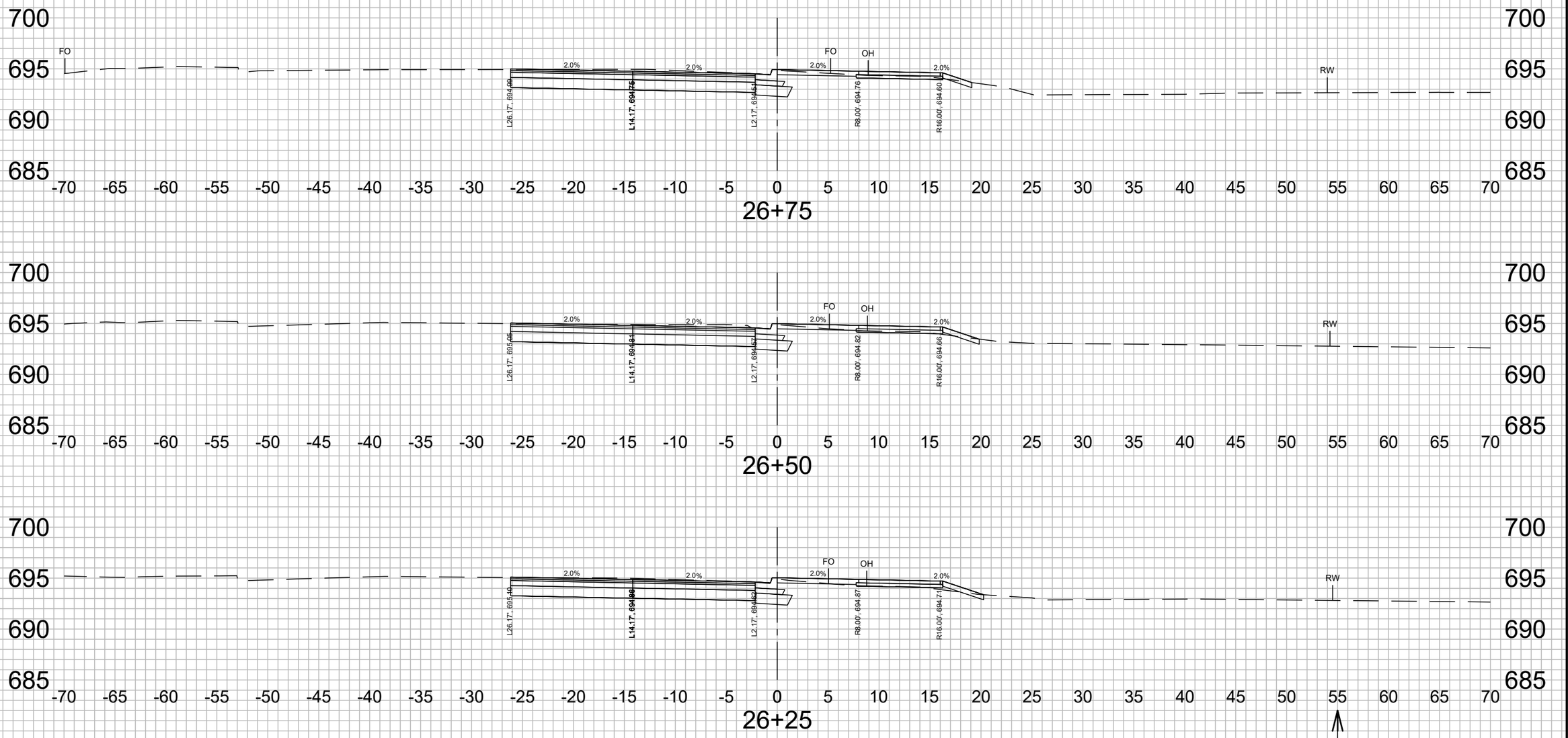
PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	CROSS SECTIONS: STH 35 TRAIL CROSS SECTIONS	SHEET 797	E

FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626XS - WWTP.DWG
LAYOUT NAME - CROSS SECTIONS 7

PLOT DATE : 9/4/2020 1:36 PM PLOT BY : SARAH AARTHUN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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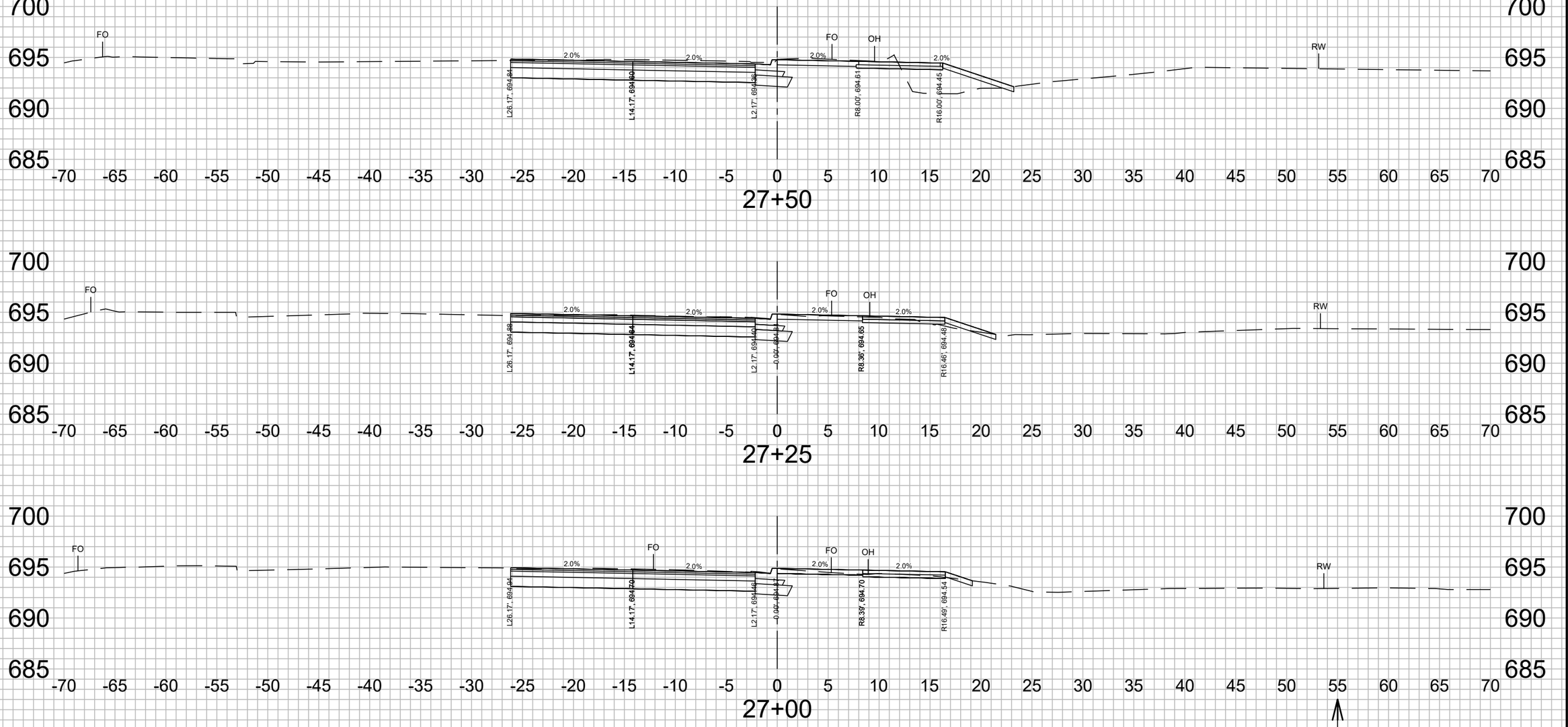
PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	CROSS SECTIONS: STH 35 TRAIL CROSS SECTIONS	SHEET 798	E

FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626XS - WWTP.DWG
LAYOUT NAME - CROSS SECTIONS 8

PLOT DATE : 9/4/2020 1:36 PM PLOT BY : SARAH AARTHUN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	CROSS SECTIONS: STH 35 TRAIL CROSS SECTIONS	SHEET 799	E

FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626XS - WWTP.DWG
LAYOUT NAME - CROSS SECTIONS 9

PLOT DATE : 9/4/2020 1:36 PM PLOT BY : SARAH AARTHUN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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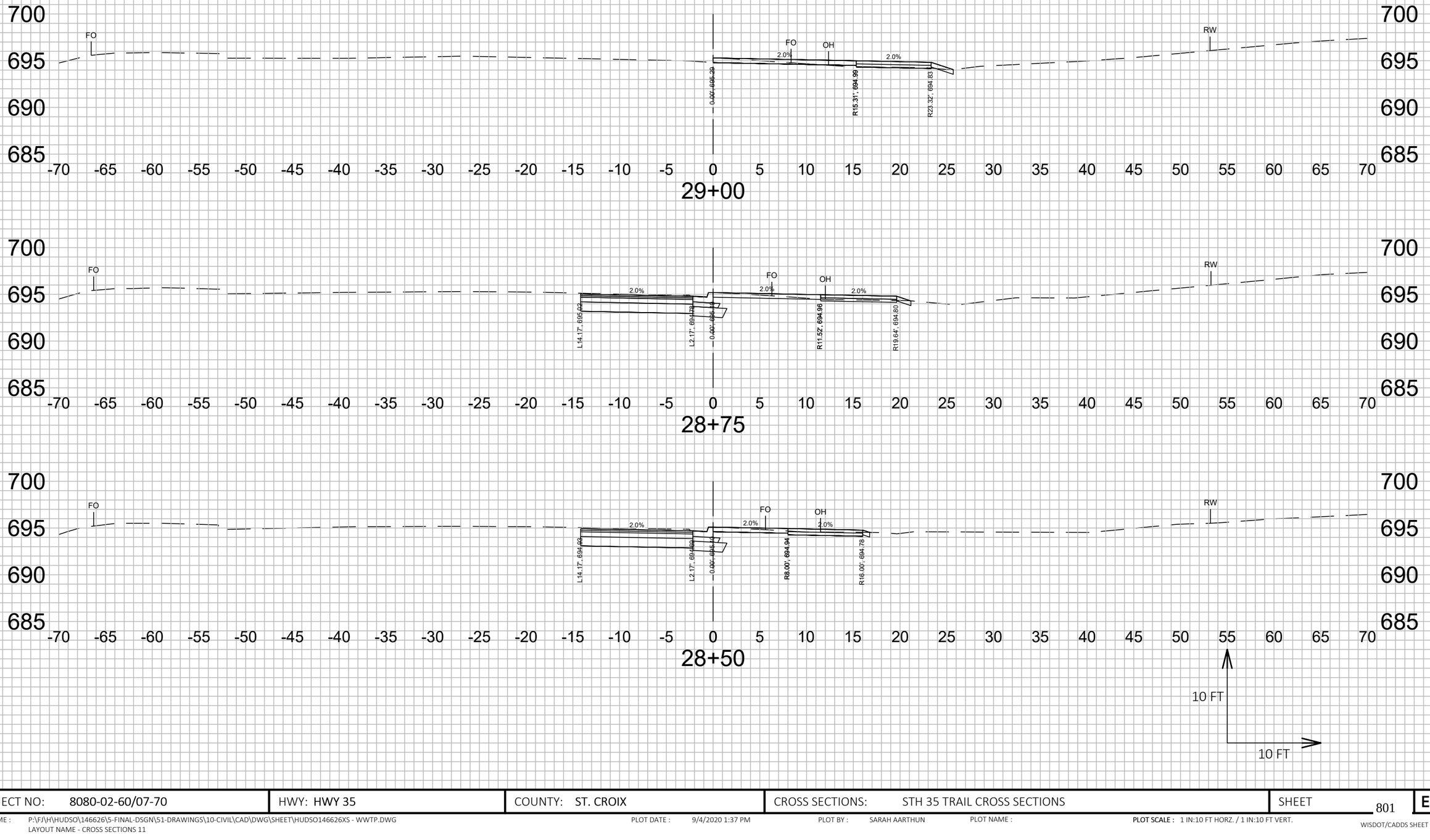
PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	CROSS SECTIONS: STH 35 TRAIL CROSS SECTIONS	SHEET 800	E

FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626XS - WWTP.DWG
LAYOUT NAME - CROSS SECTIONS 10

PLOT DATE : 9/4/2020 1:37 PM PLOT BY : SARAH AARTHUN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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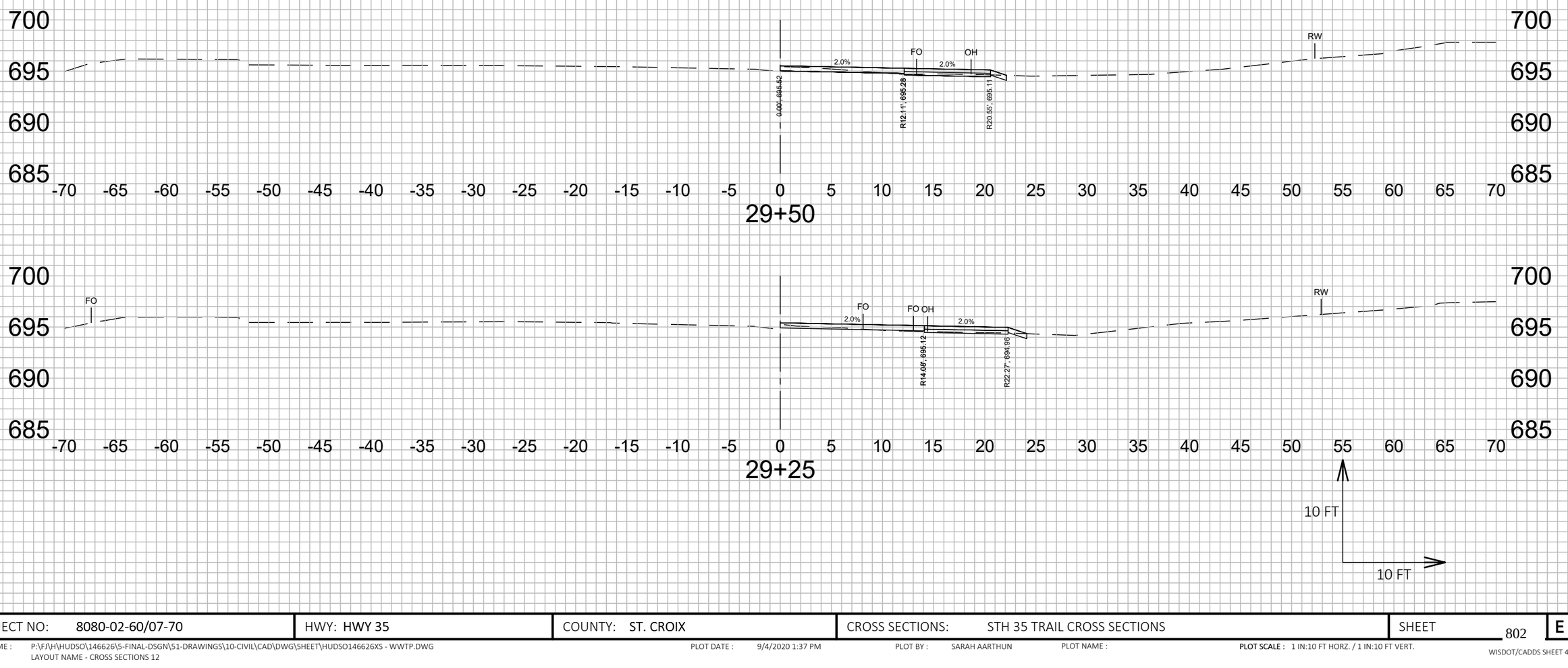
PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	CROSS SECTIONS: STH 35 TRAIL CROSS SECTIONS	SHEET 801	E

FILE NAME : P:\FJ\H\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626XS - WWTP.DWG
LAYOUT NAME - CROSS SECTIONS 11

PLOT DATE : 9/4/2020 1:37 PM PLOT BY : SARAH AARTHUN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8080-02-60/07-70	HWY: HWY 35	COUNTY: ST. CROIX	CROSS SECTIONS: STH 35 TRAIL CROSS SECTIONS	SHEET 802	E

FILE NAME : P:\FJH\HUDSO\146626\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\HUDSO146626XS - WWTP.DWG
LAYOUT NAME - CROSS SECTIONS 12

PLOT DATE : 9/4/2020 1:37 PM PLOT BY : SARAH AARTHUN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
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