MAD

DECEMBER 2020

PROJECT ID: 6918-01-72

WITH: N/A

COUNTY: COLUMBIA

14

ORDER OF SHEETS

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

TOTAL SHEETS = 574

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

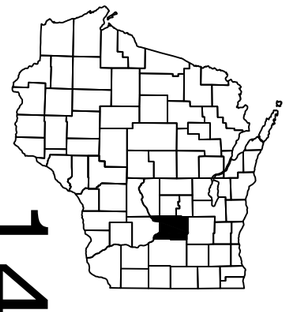
STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6918-01-72	WISC 2021030	1

C PORTAGE, WISCONSIN & DEWITT STS

(ONTARIO STREET TO E PLEASANT STREET)

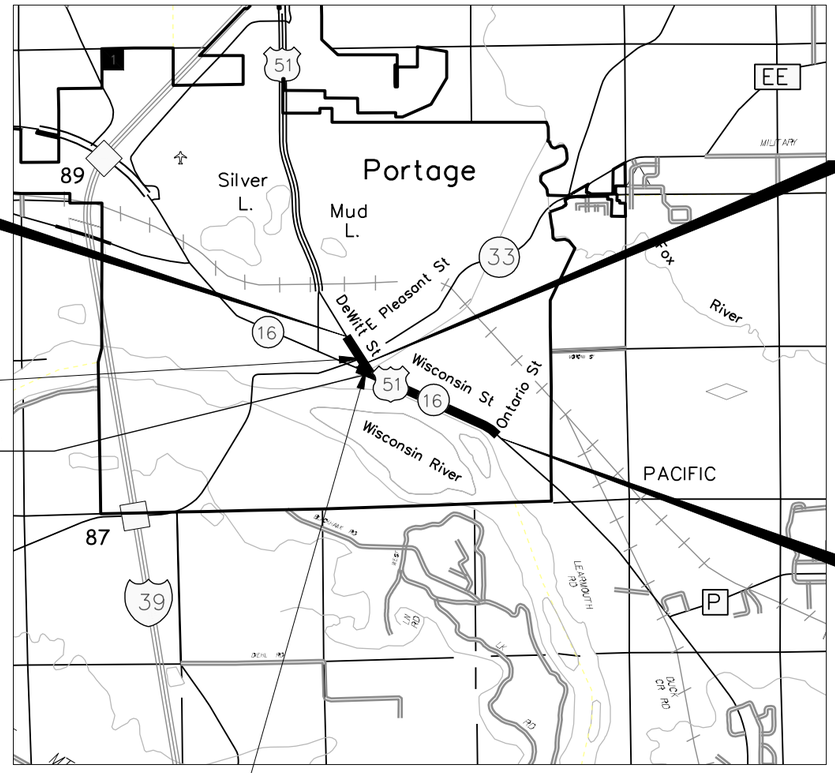
USH 51
COLUMBIA COUNTY

STATE PROJECT NUMBER
6918-01-72



N

END CONSTRUCTION 6918-01-72
STA. 549+75.00 'DE'



BEGIN PROJECT 6918-01-72
STA. 100+37.55 'WI'
Y= 393,903.80
X= 537,637.92

EQU. 538+00.00 'DE' =
102+97.00 'WI'

END PROJECT 6918-01-72
151+25.00 'WI'

T-12-N

R-9-E

DESIGN DESIGNATION		WISCONSIN STREET	DEWITT STREET
A.A.D.T. (2021)	=	13,900	7,400
A.A.D.T. (2041)	=	15,500	8,300
D.H.V.	=	1,770	950
D.D.	=	59/41	59/41
T.	=	11.7%	11.7%
DESIGN SPEED	=	30-40MPH	30MPH
ESALS	=	3,000,000	1,700,000

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	ROCK
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY		GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE		CULVERT (Profile View)	
SLOPE INTERCEPT		UTILITIES	
REFERENCE LINE	300'EB'	ELECTRIC	E
EXISTING CULVERT		FIBER OPTIC	FO
PROPOSED CULVERT (Box or Pipe)		GAS	G
COMBUSTIBLE FLUIDS	CAUTION	SANITARY SEWER	SAN
		STORM SEWER	SS
MARSH AREA		TELEPHONE	T
		WATER	W
		UTILITY PEDESTAL	
WOODED OR SHRUB AREA		POWER POLE	
		TELEPHONE POLE	

LAYOUT
SCALE 0 1 MILE

WISCONSIN STREET NET LENGTH OF CENTERLINE = 0.964 MI
DEWITT STREET NET LENGTH OF CENTERLINE = 0.223 MI
TOTAL NET LENGTH OF CENTERLINE = 1.187 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, COLUMBIA COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.
ELEVATIONS ARE REFERENCED TO NAV 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 18.

ORIGINAL PLANS PREPARED BY

KL Engineering

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

07-21-20 (Date)

(Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT/KL ENGINEERING
Designer	KL ENGINEERING
Project Manager	DAVID SCHMIDT
Regional Examiner	
Regional Supervisor	KARLA KNORR

APPROVED FOR THE DEPARTMENT

DATE: David Schmidt Digitally signed by David Schmidt Date: 2020.07.22 10:47:27-05'00'

(Signature)

E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\010101-TI.DWG
LAYOUT NAME - ****

PLOT DATE : 7/21/2020 10:11 AM PLOT BY : KL ENGINEERING PLOT NAME :

WISDOT/CADDS SHEET 10

DIGGERS HOTLINE

Dial 811 or (800) 242-8511

www.DiggersHotline.com

UTILITY CONTACTS

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200 FIRST STREET
CEDAR RAMPIDS, IA 52401
(319) 786-4768
marymontgomery@alliantenergy.com

ALLIANT ENERGY - GAS/PETROLEUM
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200 FIRST STREET
CEDAR RAMPIDS, IA 52401
(319) 786-4768
marymontgomery@alliantenergy.com

ATC - ELECTRIC
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W234 N2000 RIDGEVIEW
PARKWAY COURT, PO BOX 47
WAUKESHA, WI 53187-0047
(262) 506-6814
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(608) 742-9507
jerald.r.moore@ftr.com

CHARTER COMMUNICATIONS
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KEVIN BORTZ
135 NORTHRIDGE DRIVE PO BOX 214
PORTAGE, WI 53901
(608) 742-4727
kevin.bortz@portagewi.gov

GENERAL NOTES

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

RIGHT OF WAY LINES SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE.

ALL RADII ARE MEASURED TO EDGE OF PAVEMENT UNLESS OTHERWISE SHOWN OR NOTED ON THE PLAN.

CONSTRUCT INSIDE EDGE OF SIDEWALK ½ INCH HIGHER THAN TOP OF CURB WHEN THEY ARE ADJACENT TO EACH OTHER.

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

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

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY HIS OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

ALIGNMENT IDENTIFIERS

BR	BROOKS STREET
BS	BRADY STREET
C	RETAINING WALL R-11-23
CO	CONANT STREET
CS	COOK STREET
DE	USH 51 (DEWITT STREET)
DS	DODGE STREET
EB	USH 51 (WISCONSIN STREET) EB
EE	EAST EDGEWATER STREET
EM	EAST MULLETT STREET
EP	EAST PLEASANT STREET
ES	ERIE STREET
HS	HURON STREET
MS	MICHIGAN STREET
OS	ONTARIO STREET
PS	PAQUETTE STREET
RW1	RETAINING WALL 1
RW2	RETAINING WALL 2
SS	SUPERIOR STREET
TA	LEVEE TRAIL CONNECTION 1
TB	LEVEE TRAIL CONNECTION 2
TC	LEVEE TRAIL CONNECTION 3
WA	WAUONA TRAIL
WB	USH 51 (WISCONSIN STREET) WB
WE	WEST EDGEWATER STREET
WH	WASHINGTON STREET
WI	USH 51 (WISCONSIN STREET)
WP	WEST PLEASANT STREET
WR	WARREN STREET

ORDER OF SECTION 2 SHEETS

PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
EROSION CONTROL PLAN
STORM SEWER PLAN
PERMANENT SIGNING PLAN
STREET LIGHTING PLAN
TRAFFIC SIGNAL PLAN
PAVEMENT MARKING PLAN
TRAFFIC CONTROL PLAN
ALIGNMENT DETAILS
CONTROL POINT DETAIL

WISDOT
DAVID SCHMIDT, P.E.
WISDOT SOUTHWEST REGION
2101 WRIGHT STREET
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david2.schmidt@dot.wi.gov

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(608) 663-1218
bcunningham@klengineering.com

COLUMBIA COUNTY COURTHOUSE - FIBER
DAVID DREWS
IT DIRECTOR
(608) 742-9815
David.dres@co.columbia.wi.us

CITY OF PORTAGE - STORM SEWER & LIGHTING
AARON JAHNCKE
115 WEST PLEASANT STREET
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aaron.jahncke@portagewi.gov

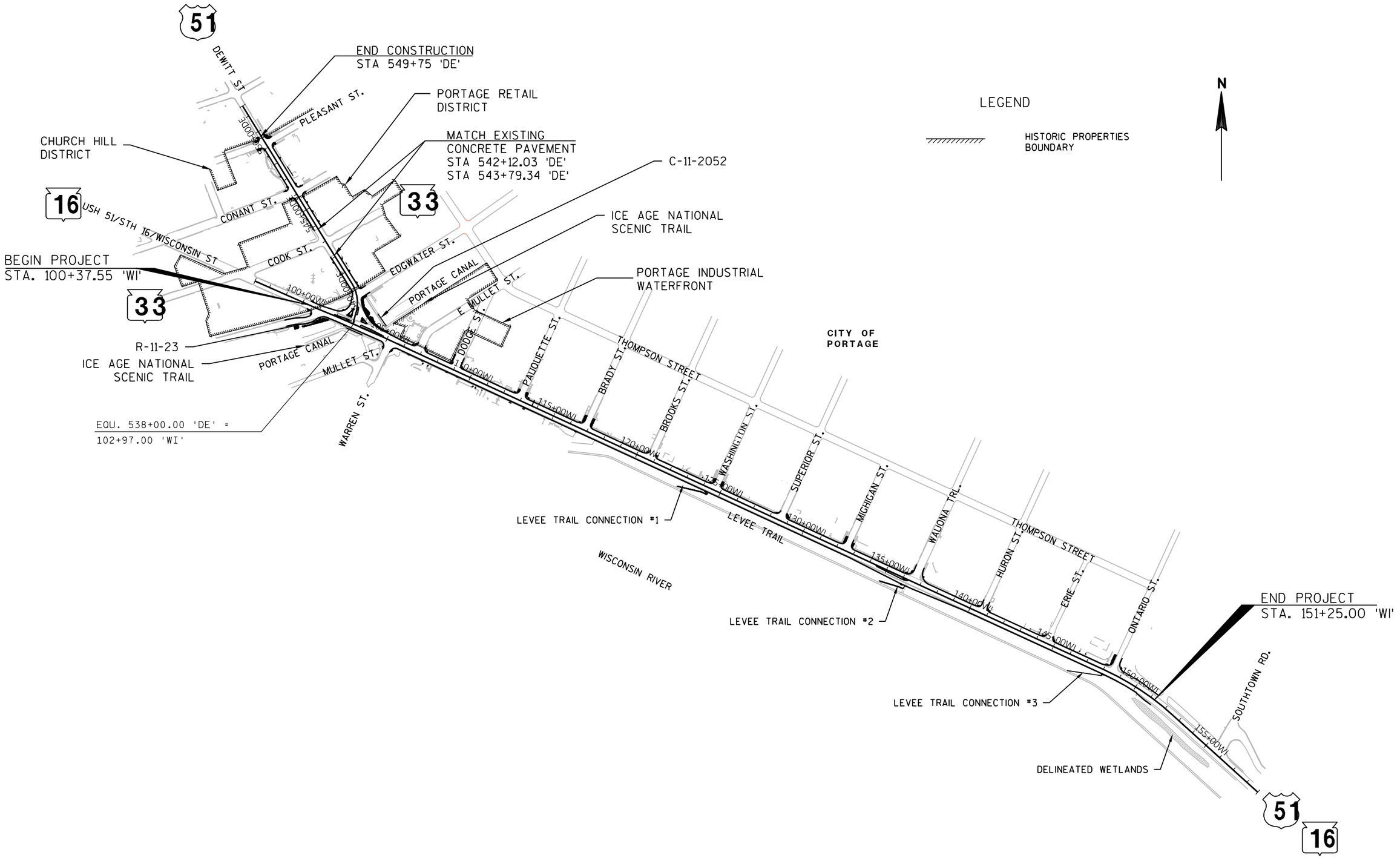
DNR AREA LIAISON
ERIC HEGGELUND
DEPARTMENT OF NATURAL RESOURCES
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
(608) 275-3308
eric.heggelund@wisconsin.gov

ABBREVIATIONS

AEW	APRON ENDWALL
AGG	AGGREGATE
ASPH	ASPHALT
BAD	BASE AGGREGATE DENSE
BM	BENCH MARK
C&G	CURB AND GUTTER
C/L	CENTER OR CONSTRUCTION LINE
CE	COMMERCIAL ENTRANCE
CONC	CONCRETE
CP	CULVERT PIPE
CY	CUBIC YARD
D	DEGREE OF CURVE
	DELTA
FE	FIELD ENTRANCE
HMA	HOT MIX ASPHALT
INV	INVERT
L	LENGTH OF CURVE
LT	LEFT
MIN	MINIMUM
NB	NORTHBOUND
PAVT	PAVEMENT
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTRANCE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PRW	PROPOSED RIGHT-OF-WAY
PT	POINT OF TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
REQD	REQUIRED
RO	RUN OFF LENGTH
RT	RIGHT
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWINGS
SE	SUPER ELEVATION
SF	SQUARE FOOT
SSPA	STORM SEWER PIPE ARCH
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TLE	TEMPORARY LIMITED EASEMENT
VCL	VERTICAL CURVE LENGTH
VPC	POINT OF VERTICAL CURVE
VPI	POINT OF VERTICAL INTERSECTION
VPT	POINT OF VERTICAL TANGENT

2

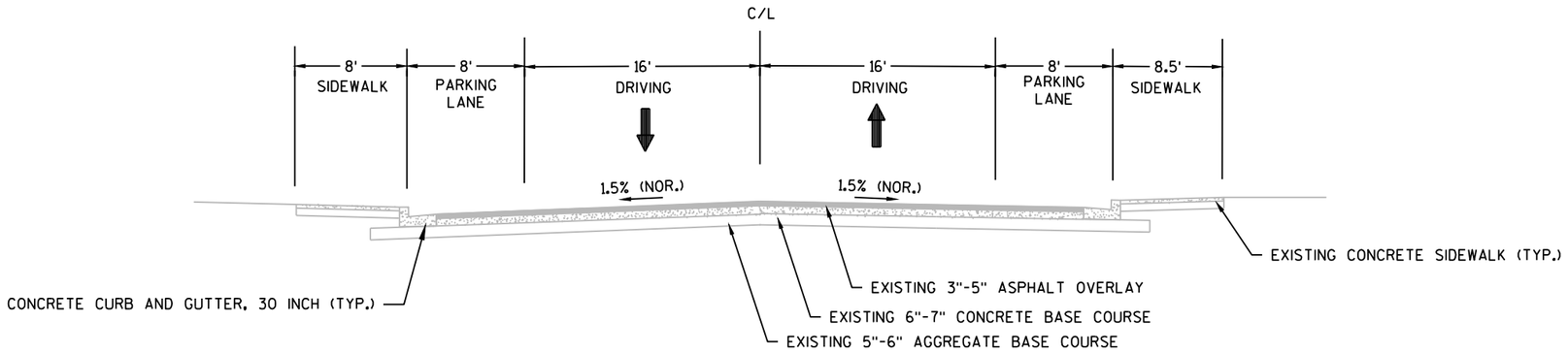
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PROJECT OVERVIEW	SHEET 3	E

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PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:500 FT

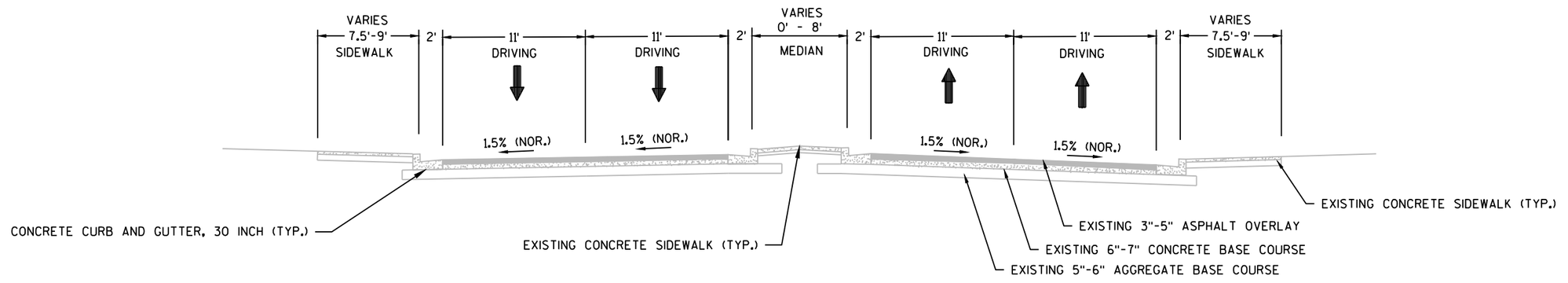
2



EXISTING TYPICAL SECTION, STH 16 (WISCONSIN STREET)

COOK STREET - EDGEWATER STREET

STA 100+37.55 'WI' - STA 102+75 'WI'

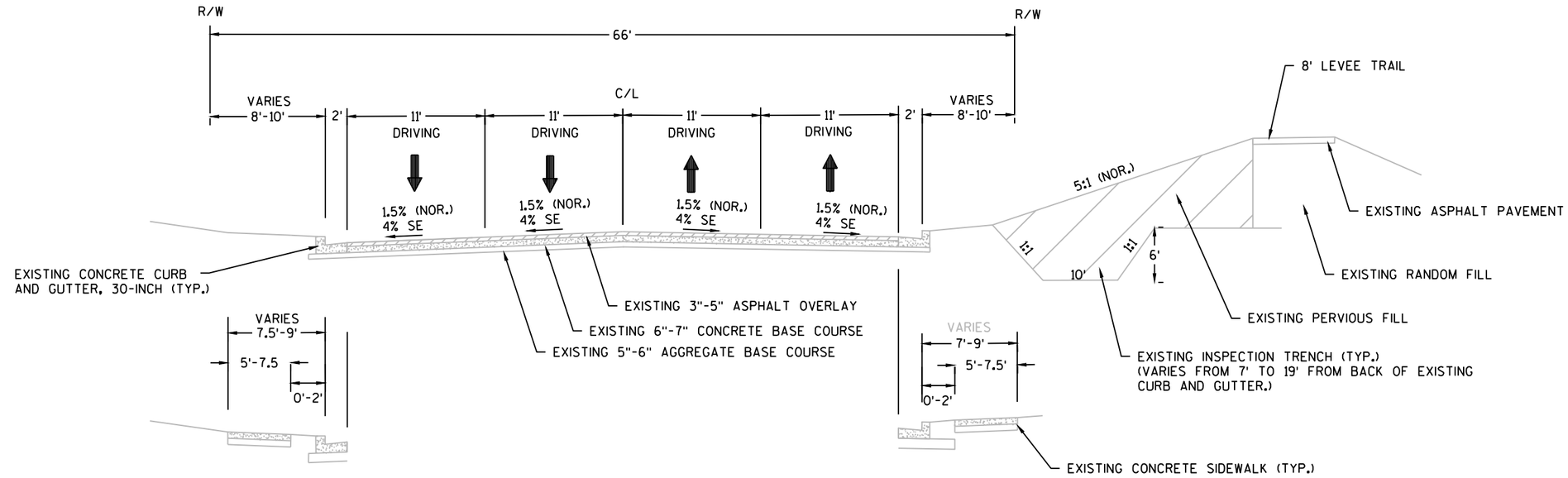


EXISTING TYPICAL SECTION, USH 51/STH 16 (WISCONSIN STREET)

EDGEWATER STREET - MULLETT STREET

STA 102+75 'WI' - STA 107+30 'WI'

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EXISTING TYPICAL SECTIONS	SHEET 4	E



EXISTING TYPICAL SECTION

STA 107+30 'WI' - STA 138+60 'WI'

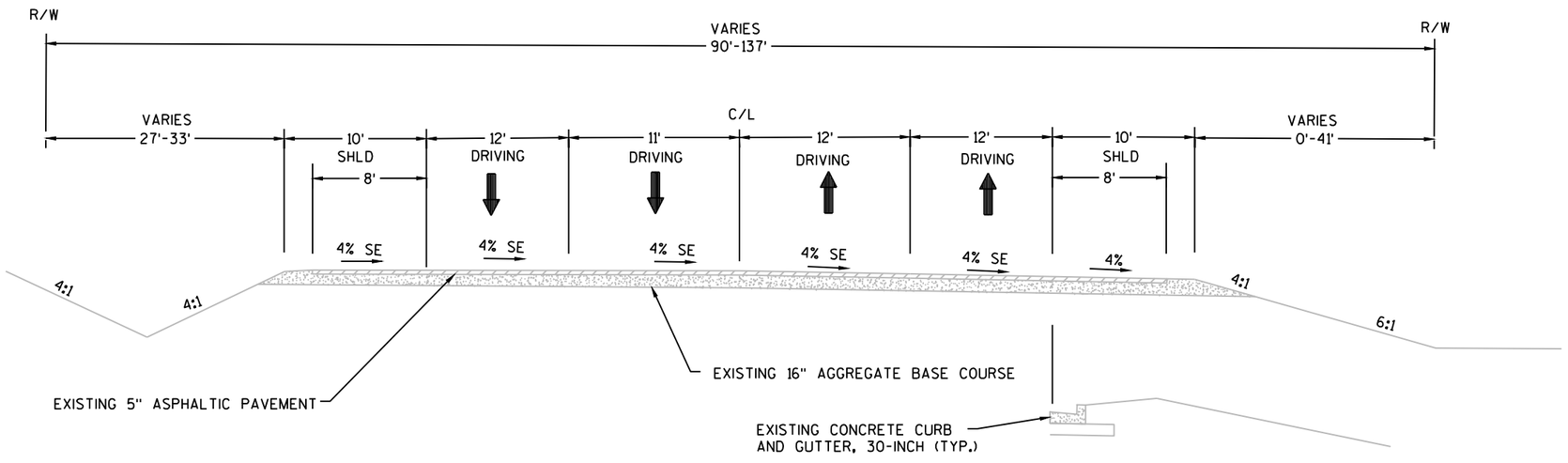
EXISTING TYPICAL SECTION

STA 107+30 'WI' - STA 114+60 'WI'

EXISTING TYPICAL SECTION, USH 51/STH 16 (WISCONSIN STREET)

MULLET STREET - ONTARIO STREET

STA 107+30 'WI' - STA 149+00 'WI'



EXISTING TYPICAL SECTION

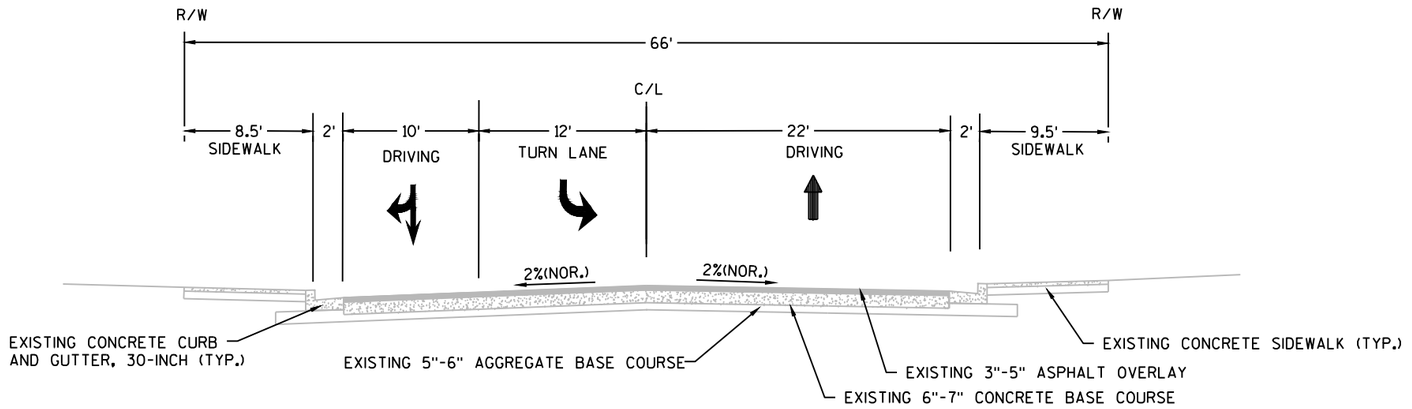
STA 150+22 'WI' - STA 151+25 'WI'

EXISTING TYPICAL SECTION, USH 51/STH 16 (WISCONSIN STREET)

ONTARIO STREET - END OF PROJECT

STA 149+00 'WI' - STA 151+25 'WI'

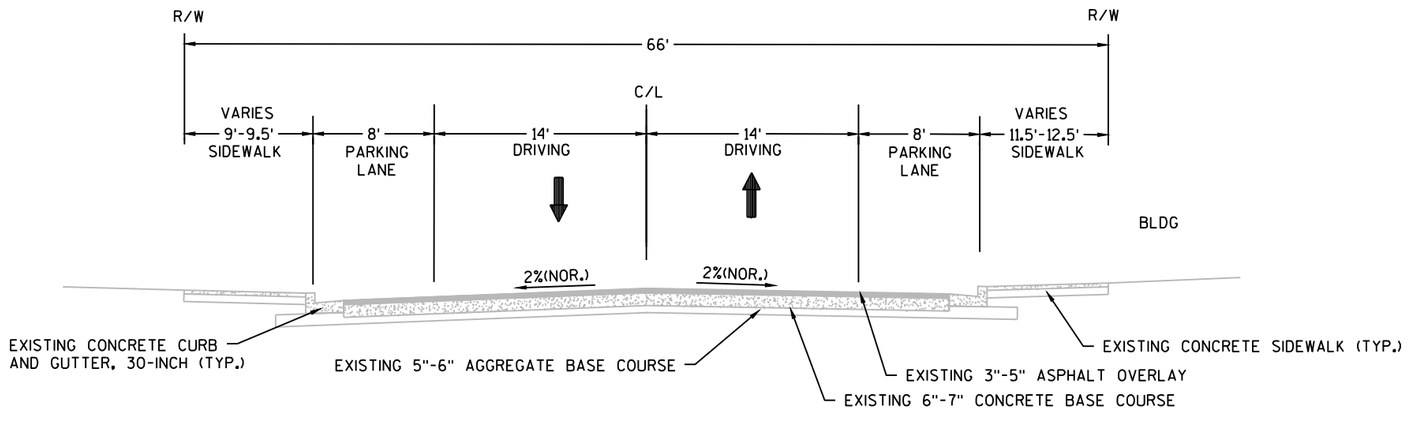
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EXISTING TYPICAL SECTIONS	SHEET 5	E



EXISTING TYPICAL SECTION, USH 51 (DEWITT STREET)

WISCONSIN STREET - EDGEWATER STREET

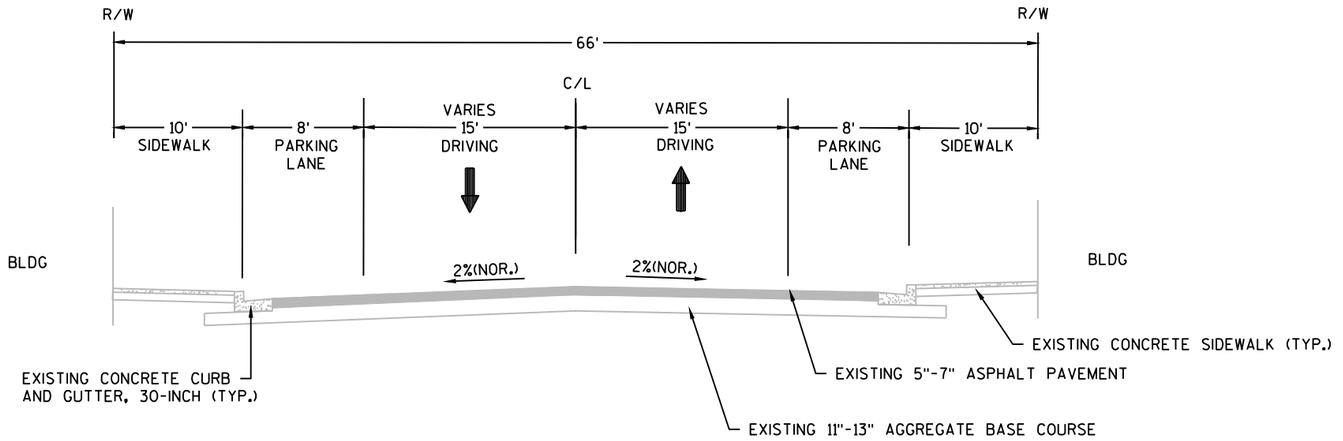
STA 538+00 'DE' - STA 540+00 'DE'



EXISTING TYPICAL SECTION, USH 51 (DEWITT STREET)

EDGEWATER STREET - COOK STREET

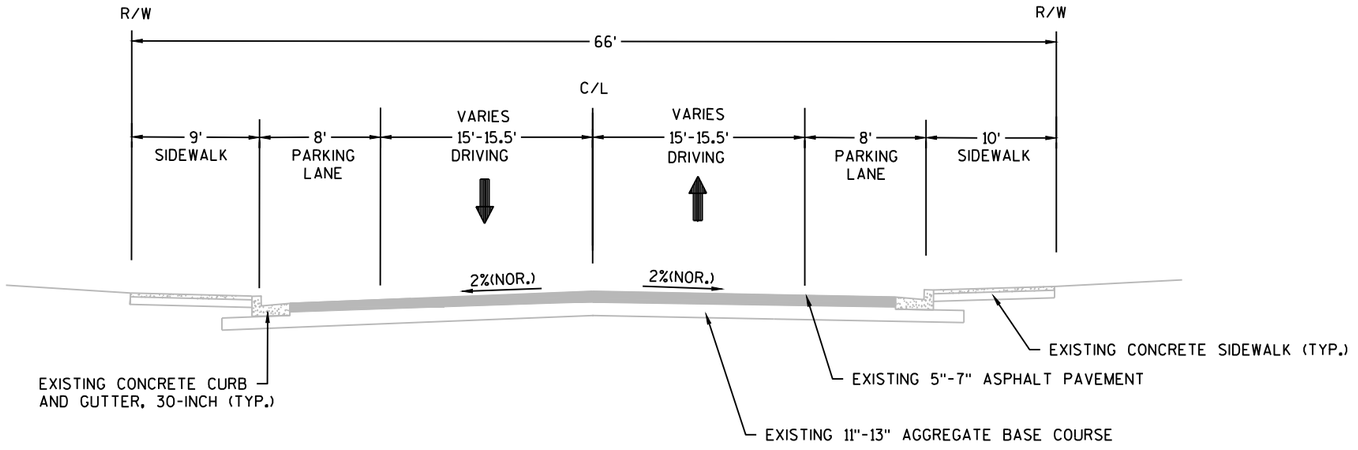
STA 540+00 'DE' - STA 542+12.03 'DE'



EXISTING TYPICAL SECTION, USH 51 (DEWITT STREET)

COOK STREET - CONANT STREET

STA 543+79.34 'DE' - STA 546+65 'DE'



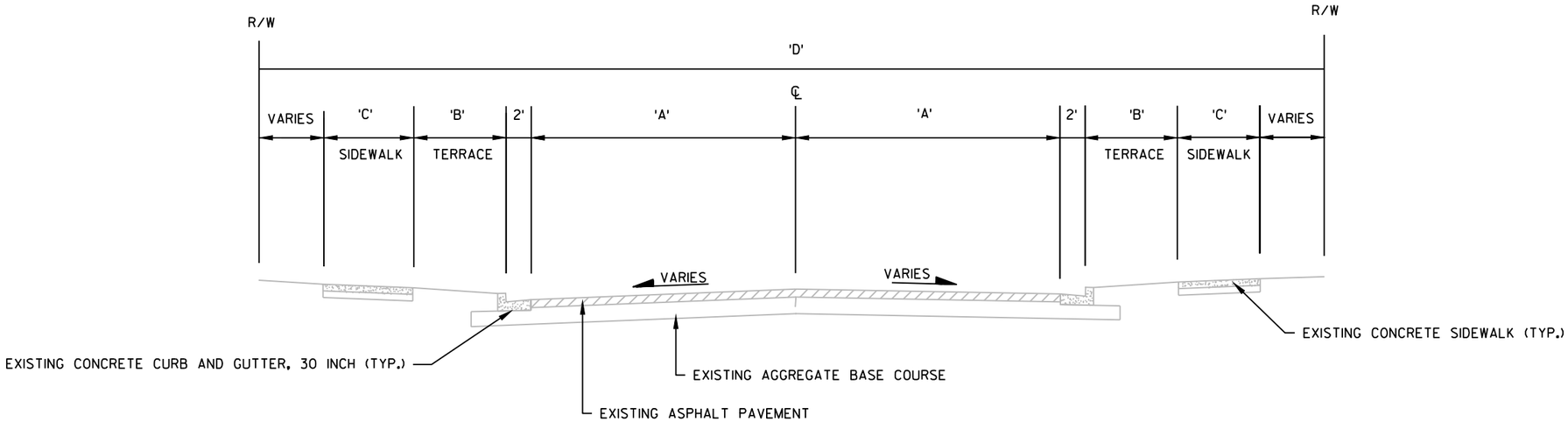
EXISTING TYPICAL SECTION, USH 51 (DEWITT STREET)

CONANT STREET - PLEASANT STREET

STA 546+65 'DE' - STA 549+75 'DE'

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EXISTING TYPICAL SECTIONS	SHEET 7	E

SIDE STREET	'A'	'B'	'C'	'D'	NOTES
EAST PLEASANT STREET	16'	7' LT - 9.5' RT	5'	66	
WEST PLEASANT STREET	17.5'	6.5' LT - 6' RT	5' LT - 6' RT	66'	
EAST CONANT STREET	18'	7' LT - N/A RT	5' LT - 9' RT	63'	
WEST CONANT STREET	24'	N/A	6.5' LT - 7.5' RT	64'	
EAST EDGEWATER STREET	20'	N/A LT - 7.5' RT	8.5' LT - 5' RT	66'	
WEST EDGEWATER STREET	16.5'	N/A	8'	56'	
WARRENS STREET	16.5'	N/A	8' LT - 6' RT	66'	
EAST MULLET STREET	22'	N/A	7.5' LT - 8' RT	66'	
DODGE STREET	24'	N/A	4.5' LT - 6' RT	66'	
PAUQUETTE STREET	17.5'	7'	4' LT - 5' RT	66'	
BRADY STREET	17.5'	10' LT - 7.5' RT	3.5' LT - 4' RT	66'	
BROOKS STREET	17'	N/A LT - 7.5' RT	5'	66'	
WASHINGTON STREET	17.5'	7' LT - 8' RT	N/A	66'	
SUPERIOR STREET	117.5'	N/A	5'	66'	
MICHIGAN STREET	17.5'	7.5'	6'	66'	
WAUONA TRAIL	21.5'	N/A	N/A	100'	
HURON STREET	16'	N/A	N/A	66'	
ERIE STREET	12'	N/A	N/A	66'	NO CURB LT & RT
ONTARIO STREET	14'	N/A	N/A	66'	NO CURB LT & RT



EXISTING TYPICAL SECTION

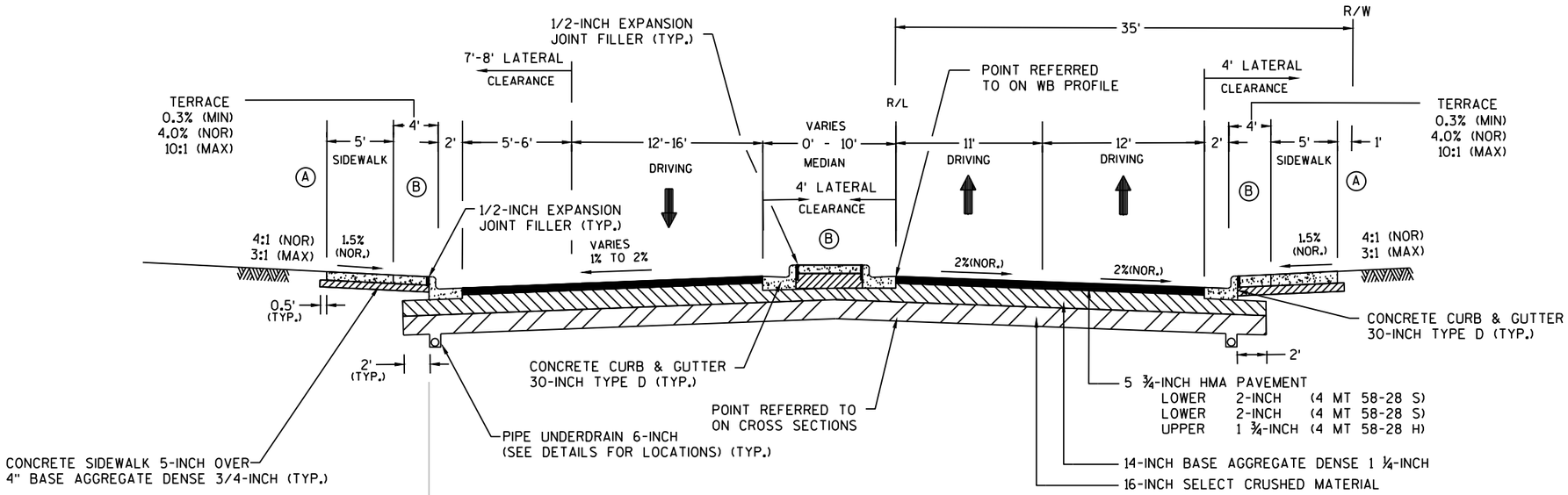
SIDE STREETS

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EXISTING TYPICAL SECTIONS	SHEET 8	E

LEGEND

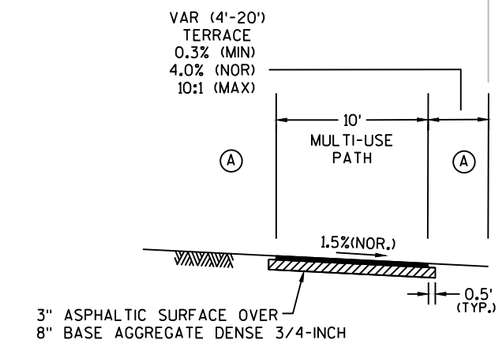
(A) TOPSOIL, FERTILIZER TYPE B, EROSION MAT URBAN CLASS I TYPE B & SEEDING MIXTURE NO. 40

(B) CONCRETE SIDEWALK 5-INCH OVER 4" BASE AGGREGATE DENSE 3/4-INCH OR TOPSOIL, FERTILIZER TYPE B, EROSION MAT URBAN CLASS I TYPE B & SEEDING MIXTURE NO. 40 (SEE PLAN DETAILS)



PROPOSED TYPICAL SECTION, STH 16 (WISCONSIN STREET)

EDGEWATER STREET - WARREN STREET
STA 100+37.55 'WI' - STA 103+66 'WI'



MULTI-USE PATH

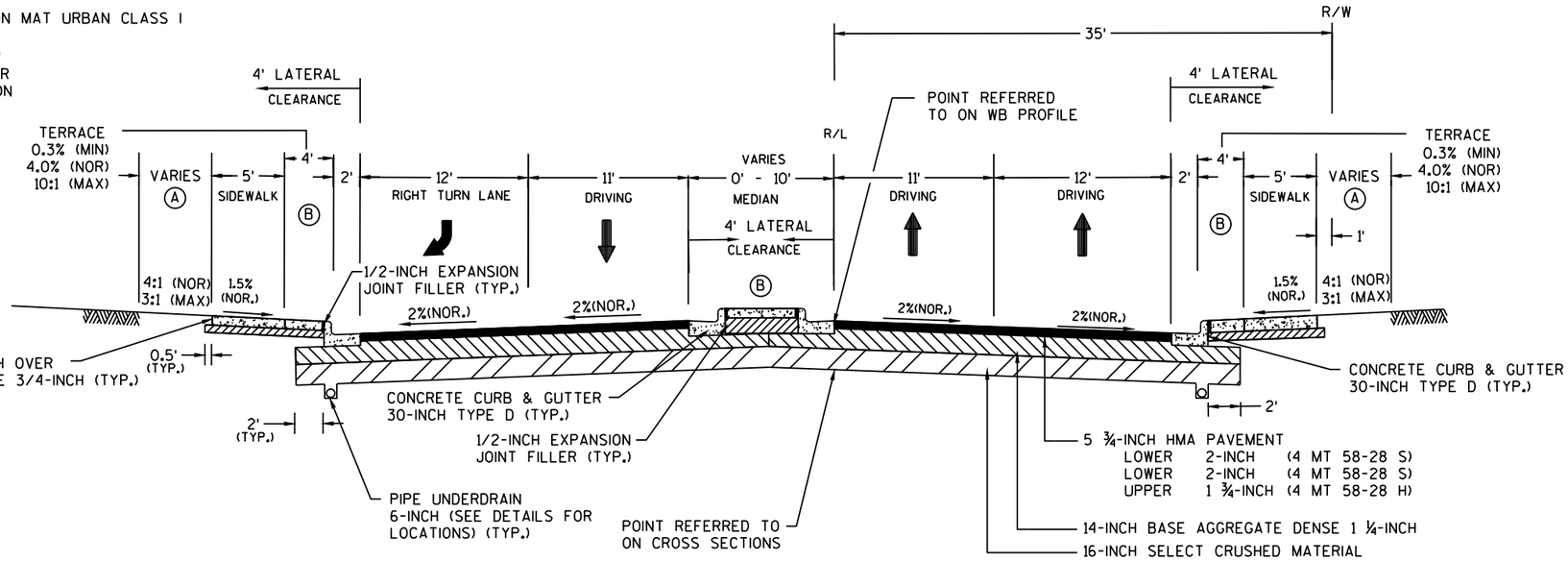
STA 103+52 'WI' - STA 104+84 'WI'

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PROPOSED TYPICAL SECTIONS	SHEET 9	E

LEGEND

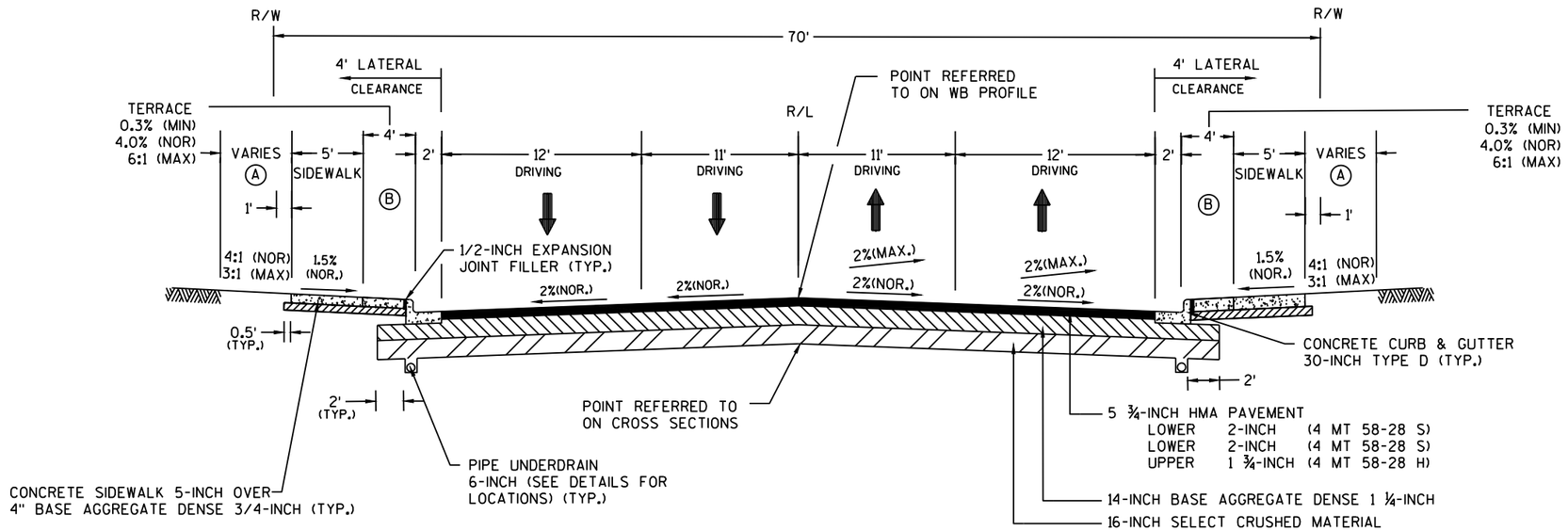
(A) TOPSOIL, FERTILIZER TYPE B, EROSION MAT URBAN CLASS I TYPE B & SEEDING MIXTURE NO. 40

(B) CONCRETE SIDEWALK 5-INCH OVER 4" BASE AGGREGATE DENSE 3/4-INCH OR TOPSOIL, FERTILIZER TYPE B, EROSION MAT URBAN CLASS I TYPE B & SEEDING MIXTURE NO. 40 (SEE PLAN DETAILS)



PROPOSED TYPICAL SECTION, USH 51/STH 16 (WISCONSIN STREET)

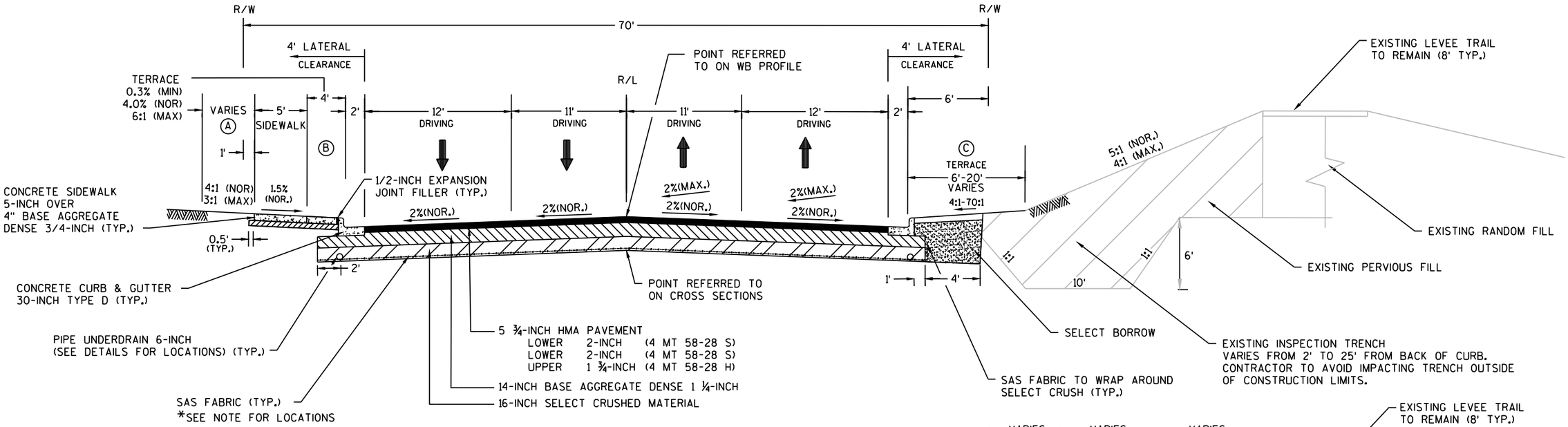
WARREN STREET - MULLET STREET
STA 103+66 'WI' - STA 106+20 'WI'



PROPOSED TYPICAL SECTION, USH 51/STH 16 (WISCONSIN STREET)

MULLET STREET - BRADY STREET
STA 106+20 'WI' - STA 116+41 'WI'

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PROPOSED TYPICAL SECTIONS	SHEET 10	E



PROPOSED TYPICAL SECTION, USH 51/STH 16 (WISCONSIN STREET)

BRADY STREET - MICHIGAN STREET
STA 116+41 'WI' - STA 132+86 'WI'

HURON STREET - ONTARIO STREET
STA 139+68 'WI' - STA 149+00 'WI'

LEGEND

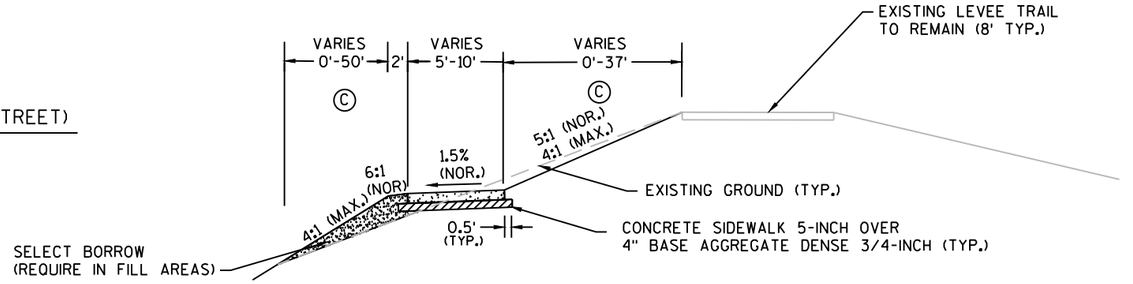
Ⓐ TOPSOIL, FERTILIZER TYPE B, EROSION MAT URBAN CLASS I TYPE B & SEEDING MIXTURE NO. 40

Ⓑ CONCRETE SIDEWALK 5-INCH OVER 4" BASE AGGREGATE DENSE 3/4-INCH OR TOPSOIL, FERTILIZER TYPE B, EROSION MAT URBAN CLASS I TYPE B & SEEDING MIXTURE NO. 40 (SEE PLAN DETAILS)

Ⓒ REMOVE EXISTING TOPSOIL PLACE SELECT BORROW FILL IF REQUIRED AND GRADE AS NEEDED, TOPSOIL (NOT TO EXCEED A DEPTH OF 6 INCHES), FERTILIZER TYPE B & SEEDING MIXTURE NO. 40

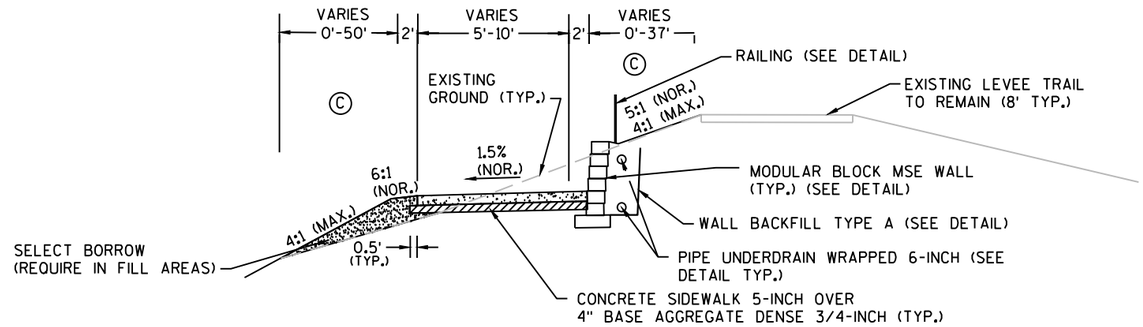
* NOTE:
SAS FABRIC SHALL BE USED WHEREVER SUBGRADE IS FOUND TO BE SILTY SOIL (MORE THEN 15% FINES). BELOW LOCATIONS ARE BASED ON BORINGS AND SHALL BE FIELD ADJUSTED BY ENGINEER.

SAS FABRIC STA 117+50-121+00
SAS FABRIC STA 125+00-133+00
SAS FABRIC STA 135+00-143+00
SAS FABRIC STA 144+00-148+50



LEVEE CONNECTION SECTION

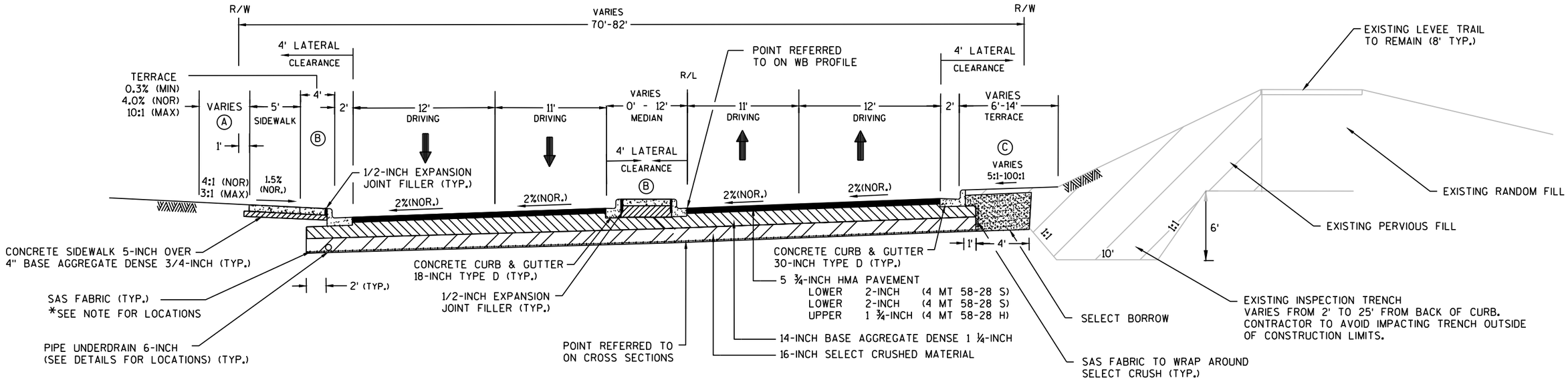
WITHOUT RETAINING WALL
LEVEE TRAIL CONNECTION #1 STA 121+97-122+74 'WI'
LEVEE TRAIL CONNECTION #2 STA 133+45-134+89 'WI'
LEVEE TRAIL CONNECTION #3 STA 145+82-148+11 'WI'



LEVEE CONNECTION SECTION

WITH RETAINING WALL
LEVEE TRAIL CONNECTION #1 STA 122+74-124+36 'WI'
LEVEE TRAIL CONNECTION #2 STA 134+89-136+23 'WI'

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PROPOSED TYPICAL SECTIONS	SHEET 11	E



PROPOSED TYPICAL SECTION, USH 51/STH 16 (WISCONSIN STREET)

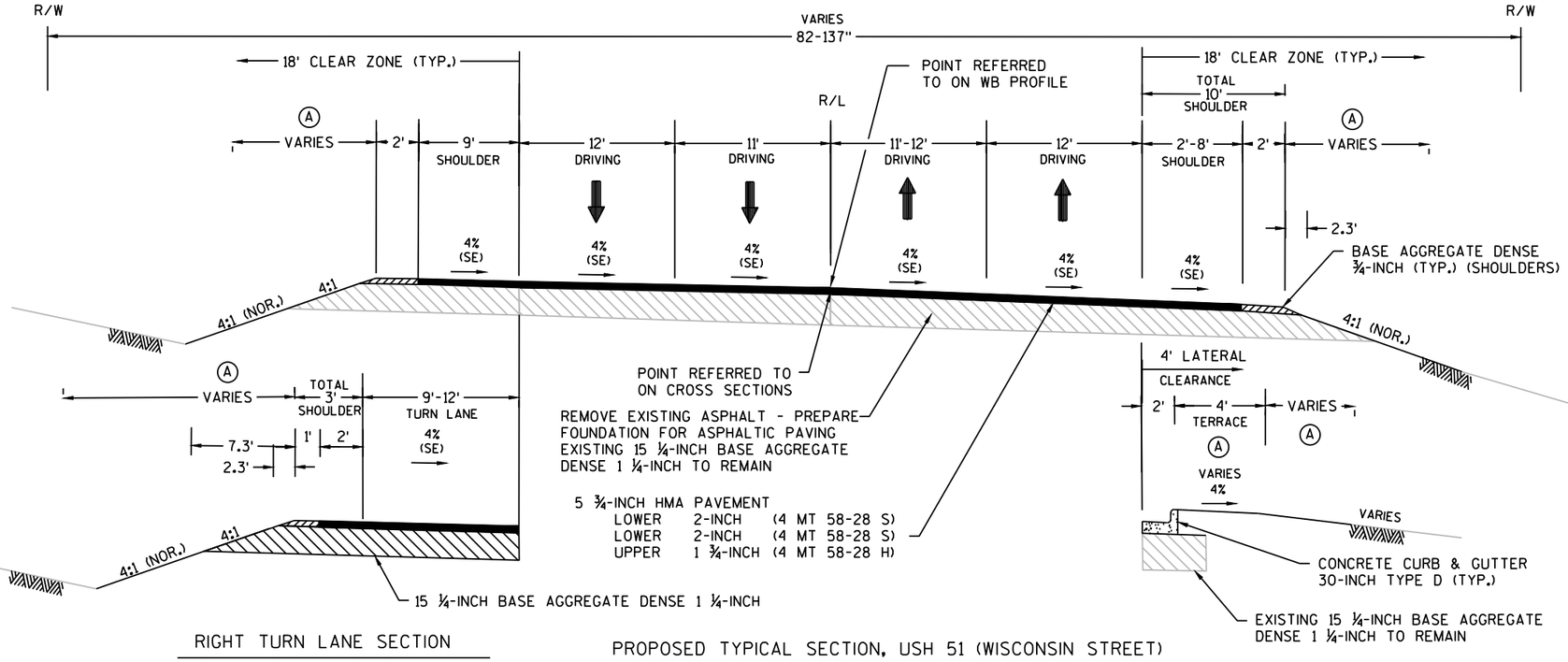
MICHIGAN STREET - HURON STREET
STA 132+86 'WI' - STA 139+68 'WI'

LEGEND

- Ⓐ TOPSOIL, FERTILIZER TYPE B, EROSION MAT URBAN CLASS I TYPE B & SEEDING MIXTURE NO. 40
- Ⓑ CONCRETE SIDEWALK 5-INCH OVER 4" BASE AGGREGATE DENSE 3/4-INCH OR TOPSOIL, FERTILIZER TYPE B, EROSION MAT URBAN CLASS I TYPE B & SEEDING MIXTURE NO. 40 (SEE PLAN DETAILS)
- Ⓒ REMOVE EXISTING TOPSOIL PLACE SELECT BORROW FILL AND GRADE AS NEEDED, TOPSOIL (NOT TO EXCEED A DEPTH OF 6 INCHES), FERTILIZER TYPE B & SEEDING MIXTURE NO. 40

* NOTE:
SAS FABRIC SHALL BE USED WHEREVER SUBGRADE IS FOUND TO BE SILTY SOIL (MORE THEN 15% FINES). BELOW LOCATIONS ARE BASED ON BORINGS AND SHALL BE FIELD ADJUSTED BY ENGINEER.

SAS FABRIC STA 117+50-121+00
SAS FABRIC STA 125+00-133+00
SAS FABRIC STA 135+00-143+00
SAS FABRIC STA 144+00-148+50



RIGHT TURN LANE SECTION

STA 149+07 'WI' - STA 150+62 'WI'

PROPOSED TYPICAL SECTION, USH 51 (WISCONSIN STREET)

ONTARIO STREET - END OF PROJECT
STA 149+07 'WI' - STA 151+25 'WI'

CURB AND GUTTER SECTION

STA 149+07 'WI' - STA 150+25 'WI'

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PROPOSED TYPICAL SECTIONS	SHEET 12	E

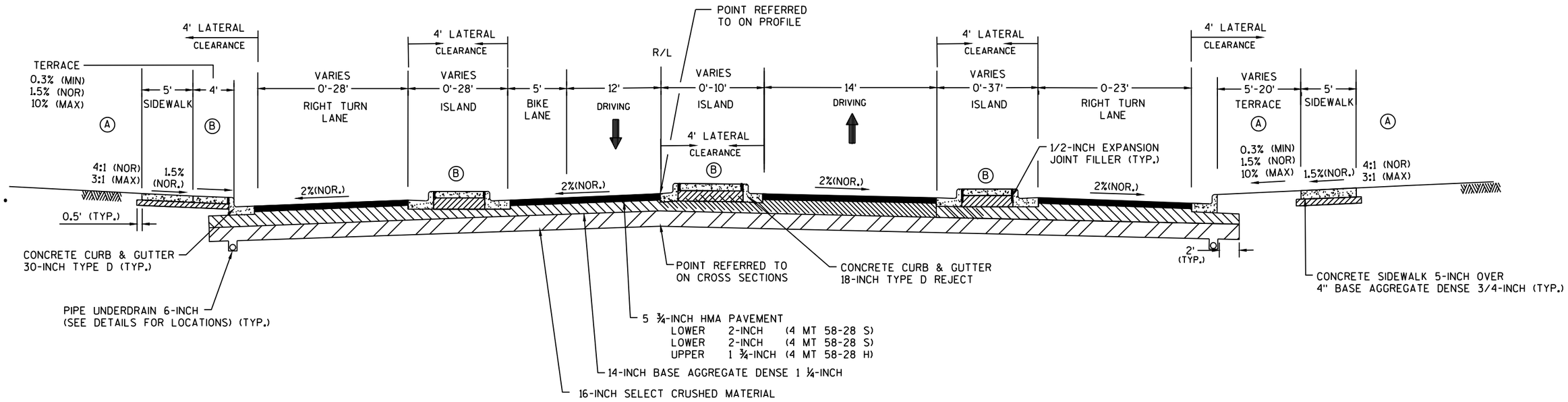
2

2

LEGEND

(A) TOPSOIL, FERTILIZER TYPE B, EROSION MAT URBAN CLASS I TYPE B & SEEDING MIXTURE NO. 40

(B) CONCRETE SIDEWALK 5-INCH OVER 4" BASE AGGREGATE DENSE 3/4-INCH OR TOPSOIL, FERTILIZER TYPE B, EROSION MAT URBAN CLASS I TYPE B & SEEDING MIXTURE NO. 40 (SEE PLAN DETAILS)



PROPOSED TYPICAL SECTION, USH 51 (DEWITT STREET)

WISCONSIN STREET - EDGEWATER STREET
STA 538+30 'DE' - STA 539+35 'DE'

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PROPOSED TYPICAL SECTIONS	SHEET 13	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\TYPICAL SECTIONS\020301-TS PROPOSED.DWG PLOT DATE : 7/27/2020 PLOT BY : KL ENGINEERING PLOT NAME : ----------

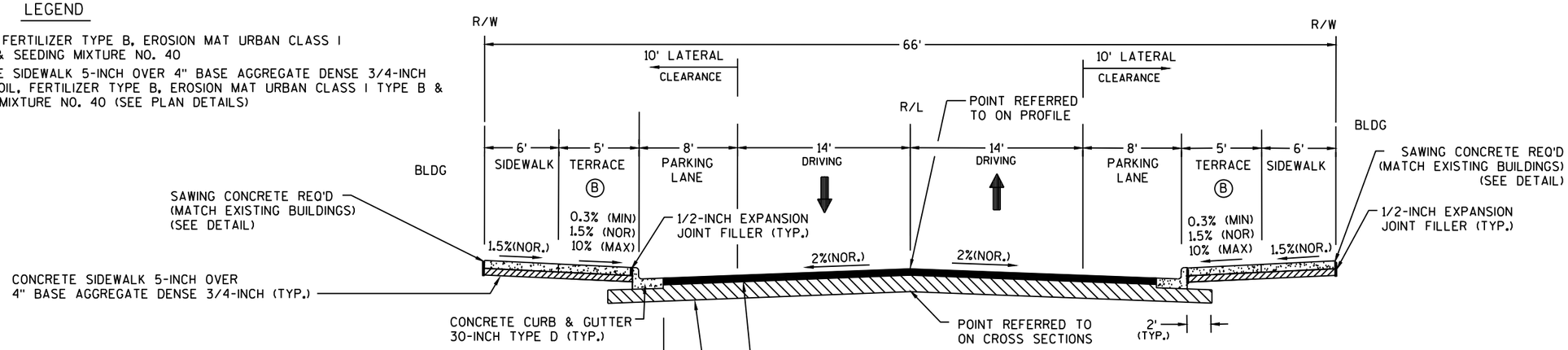
WISDOT/CADDS SHEET 42

PLOT SCALE : 1 IN:10 FT

LEGEND

(A) TOPSOIL, FERTILIZER TYPE B, EROSION MAT URBAN CLASS I TYPE B & SEEDING MIXTURE NO. 40

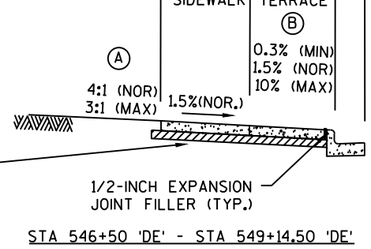
(B) CONCRETE SIDEWALK 5-INCH OVER 4" BASE AGGREGATE DENSE 3/4-INCH OR TOPSOIL, FERTILIZER TYPE B, EROSION MAT URBAN CLASS I TYPE B & SEEDING MIXTURE NO. 40 (SEE PLAN DETAILS)



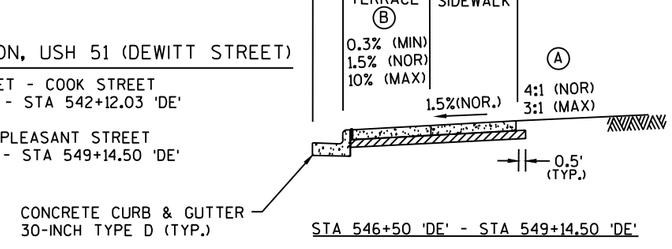
PROPOSED TYPICAL SECTION, USH 51 (DEWITT STREET)

EDGEWATER STREET - COOK STREET
STA 540+00.00 'DE' - STA 542+12.03 'DE'

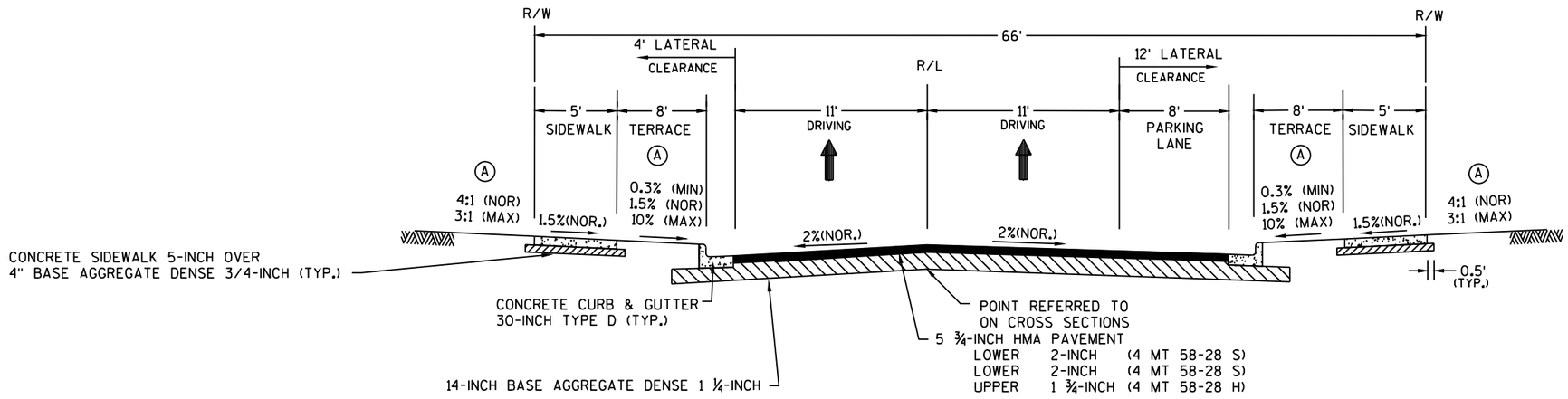
COOK STREET - PLEASANT STREET
STA 543+79.34 'DE' - STA 549+14.50 'DE'



STA 546+50 'DE' - STA 549+14.50 'DE'



STA 546+50 'DE' - STA 549+14.50 'DE'



PROPOSED TYPICAL SECTION, USH 51 (DEWITT STREET)

STA 549+14.50 'DE' - STA 549+75 'DE'

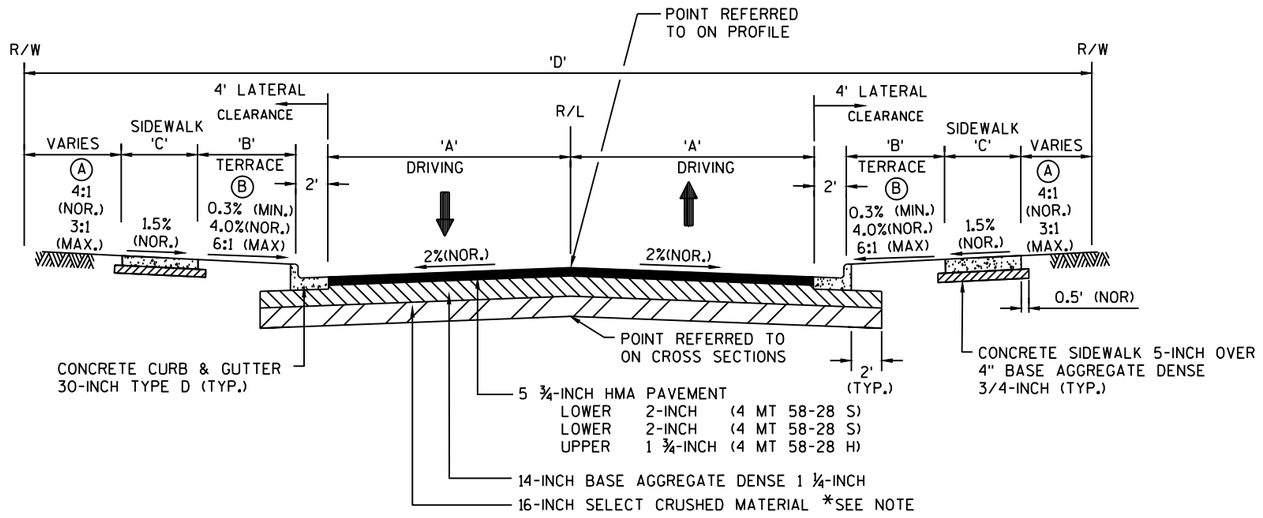
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PROPOSED TYPICAL SECTIONS	SHEET 14	E

SIDE STREET	'A'	'B'	'C'	'D'	NOTES
EAST PLEASANT STREET	16'	7' LT - 9.5' RT	5'	66'	NO SELECT CRUSH
WEST PLEASANT STREET	17.5'	6.5' LT - 6' RT	5' LT - 6' RT	66'	NO SELECT CRUSH
EAST CONANT STREET	18'	7' LT - N/A RT	5' LT - 9' RT	63'	NO SELECT CRUSH
WEST CONANT STREET	24'	N/A	6.5' LT - 7.5' RT	64'	NO SELECT CRUSH
EAST EDGEWATER STREET	20'	N/A LT - 7.5' RT	8.5' LT - 5' RT	66'	NO SELECT CRUSH
WEST EDGEWATER STREET	16.5'	N/A	8	56'	NO SELECT CRUSH STA 10+71 to 12+25
WARRENS STREET	16.5'	N/A	8' LT - 6' RT	66'	
EAST MULLET STREET	22'	N/A	7.5' LT - 8' RT	62'	
DODGE STREET	24	N/A	4.5' LT - 6' RT	66'	
PAUQUETTE STREET	17.5	7'	4' LT - 5' RT	66'	
BRADY STREET	17.5'	10' LT - 7.5' RT	3.5' LT - 4' RT	66'	
BROOKS STREET	17'	N/A LT - 7.5' RT	N/A LT - 5' RT	66'	
WASHINGTON STREET	17.5'	7' LT - 8' RT	5'	66'	
SUPERIOR STREET	17.5'	N/A	N/A	66'	
MICHIGAN STREET	17.5'	7.5'	5'	66'	
WAUONA TRAIL	21.5'	N/A	6'	100'	
HURON STREET	16'	N/A	N/A	66'	
ERIE STREET	12'	N/A	N/A	66'	
ONTARIO STREET	17.5'	7.5' LT - N/A RT	5' LT - N/A RT	66'	

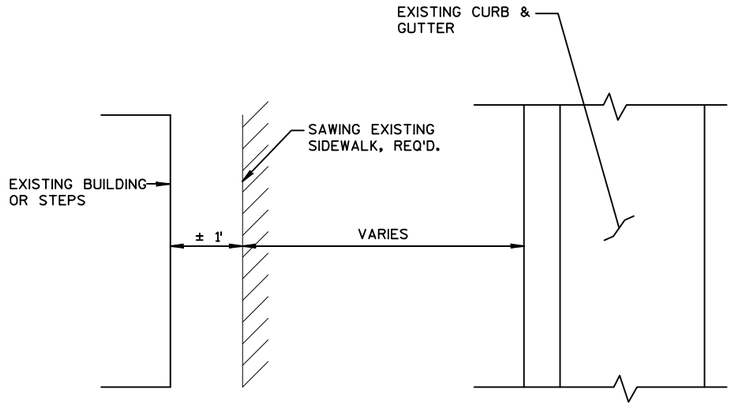
LEGEND

(A) TOPSOIL, FERTILIZER TYPE B, EROSION MAT URBAN CLASS I TYPE B & SEEDING MIXTURE NO. 40

(B) CONCRETE SIDEWALK 5-INCH OVER 4" BASE AGGREGATE DENSE 3/4-INCH OR TOPSOIL, FERTILIZER TYPE B, EROSION MAT URBAN CLASS I TYPE B & SEEDING MIXTURE NO. 40 (SEE PLAN DETAILS)



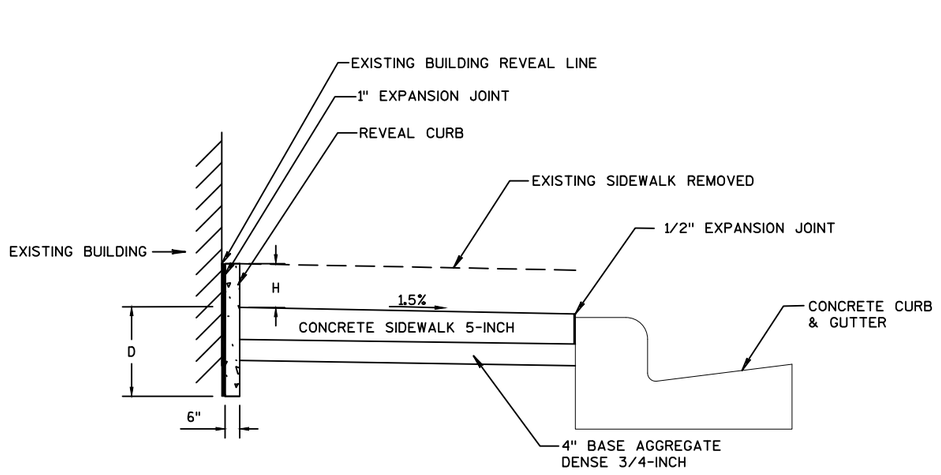
PROPOSED TYPICAL SECTION, SIDEROADS



NOTE: REMOVE SIDEWALK TO THE FACE OF BUILDING WITHOUT DAMAGING EXISTING BUILDING, USING METHODS APPROVED BY ENGINEER.

REMOVING EXISTING SIDEWALK ADJACENT TO BUILDING DETAIL

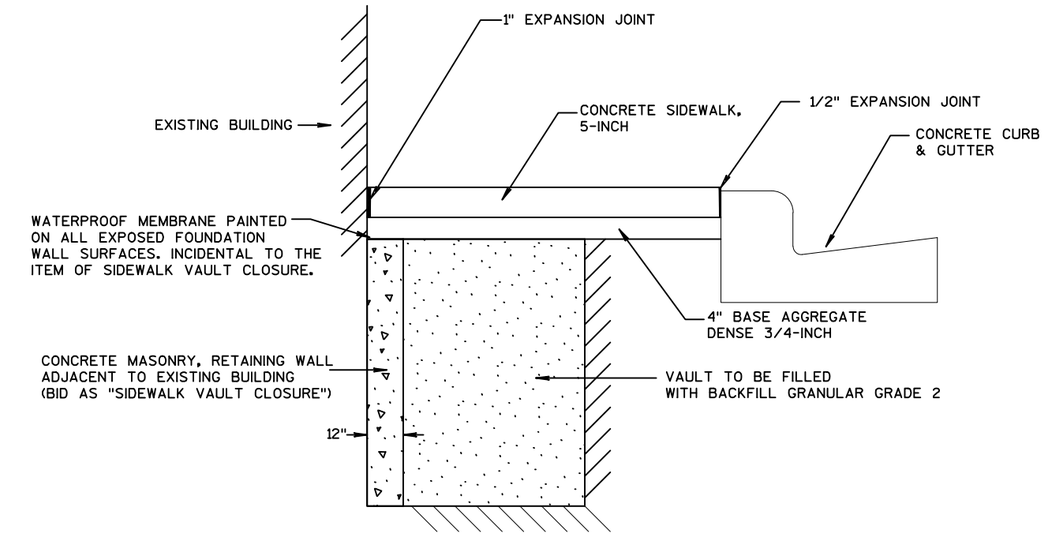
(AT BUILDING)



H = HEIGHT OF CURB, VARIES, 0-10"
D = DEPTH OF CURB BASE = 2 X H, 6" MIN

REVEAL CURB DETAIL

(SEE PLAN DETAILS FOR LOCATIONS)



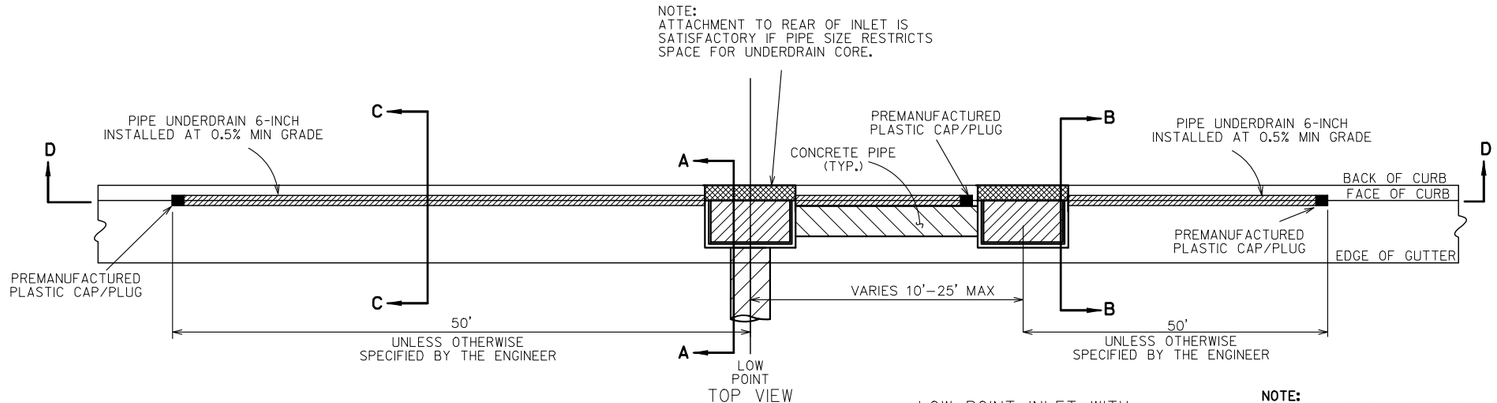
NOTE: AFTER THE EXISTING SIDEWALK IS REMOVED THE ENGINEER SHALL DETERMINE IF THE CONCRETE MASONRY, RETAINING WALL IS REQUIRED.

SIDEWALK VAULT CLOSURE

2

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS	SHEET 16	E

2



LOW POINT INLET

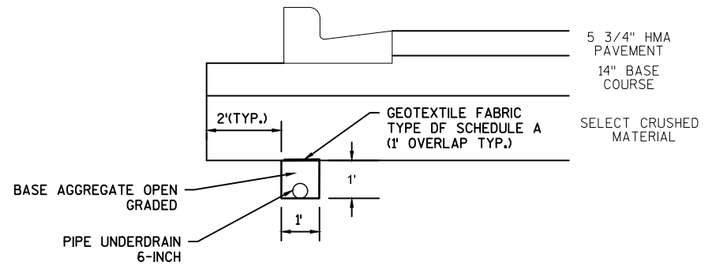
TOP VIEW
SPLIT DETAIL

INLET CONFIGURATION WITH UNDERDRAIN AT LOW POINTS

LOW POINT INLET WITH FLANKING INLETS

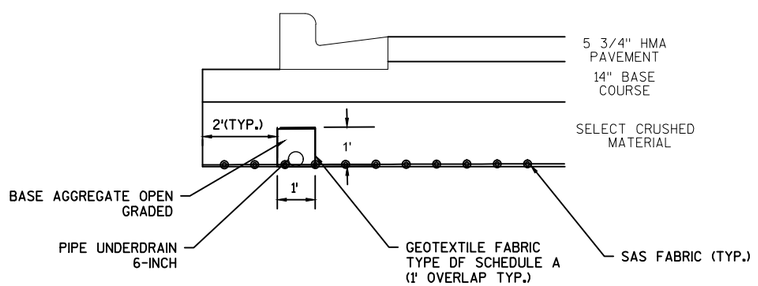
NOTE:
WHERE MULTIPLE INLETS ARE USED AT LOW POINTS, PIPE UNDERDRAIN 6-INCH SHALL BE INSTALLED 50 FEET TO EITHER DIRECTION FROM THE LOW POINT AT A MINIMUM POSITIVE GRADE OF 0.5%. THE SECTION OF UNDERDRAIN BETWEEN THE CENTER AND OUTER INLETS SHALL BE PLACED TIGHT TO THE OUTER INLET, CAPPED WITH A PREMANUFACTURED PLASTIC CAP OR PLUG, AND LAID AS SPECIFIED ABOVE TO THE CENTER INLET.

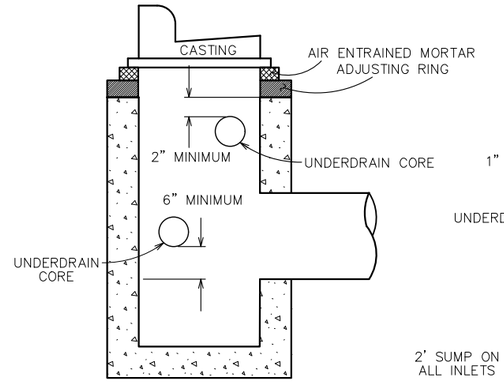
TYPICAL SECTION



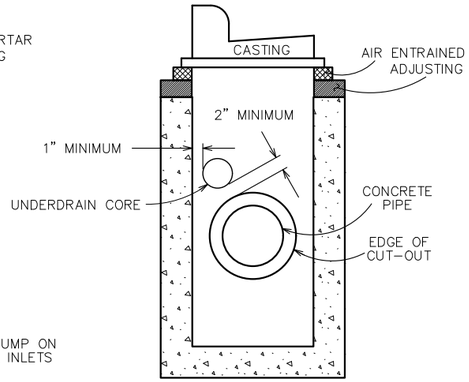
TYPICAL SECTION

AT SAS FABRIC LOCATIONS





SECTION A-A



2' SUMP ON ALL INLETS

SECTION B-B

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

CROSS-SECTION VIEW
TYPICAL INLET CONFIGURATION WITH UNDERDRAIN CORED INTO WALL WITH CROSSPIPE ONLY

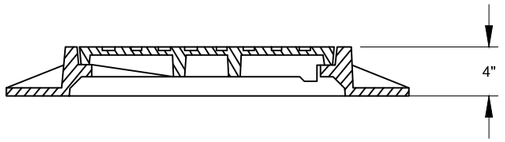
FOUND AT LOW POINTS WITHOUT FLANKING INLETS

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

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

PIPE UNDERDRAIN WRAPPED 6-INCH DETAIL

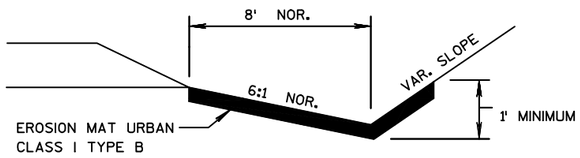
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS	SHEET 17	E



NOTE:
(1) SEE SDD "INLET COVERS TYPE A, H, A-S, H-S AND Z" FOR MORE DETAILS
(2) PAID FOR AS MANHOLE COVER TYPE J

MANHOLE COVER TYPE J LOW PROFILE

SEE STORM SEWER PLANS FOR LOCATIONS

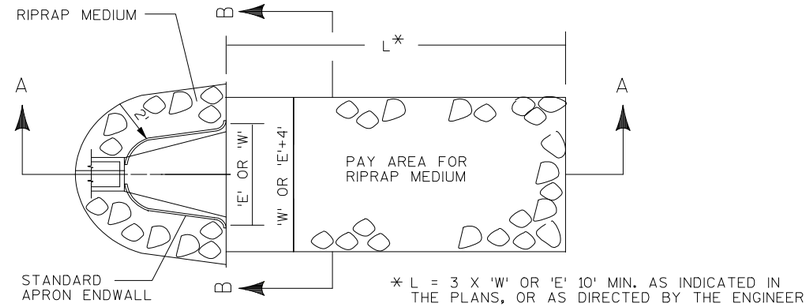


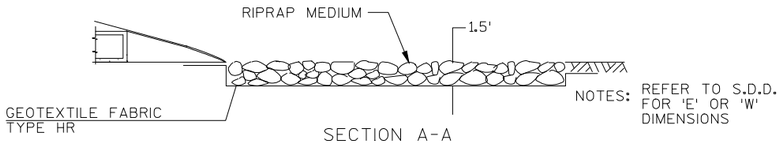
EROSION MAT DETAIL FOR DITCHES

(REQ'D. IN ALL DITCHES)

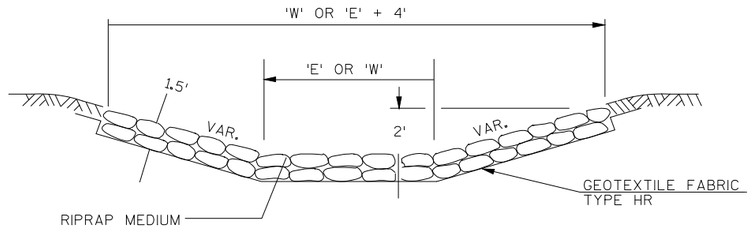
	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33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

TOTAL PROJECT AREA = 14.6 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 10.1 ACRES





SECTION A-A



SECTION B-B

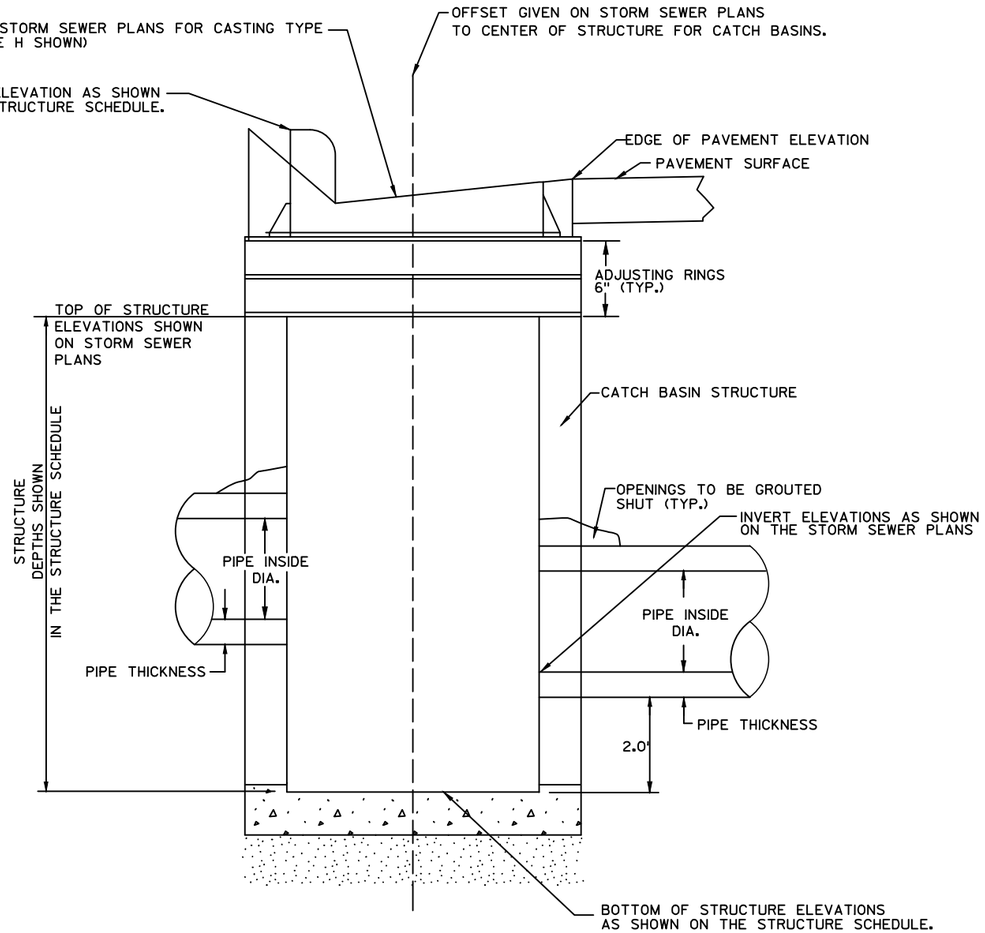
RIPRAP TREATMENT AT PIPE ENDWALL DETAIL

SEE EROSION CONTROL PLAN FOR LOCATIONS

GENERAL NOTES:

GRANULAR BACKFILL REQUIRED AROUND CATCH BASIN
(INCIDENTAL TO CONSTRUCTION OF CATCH BASIN)

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

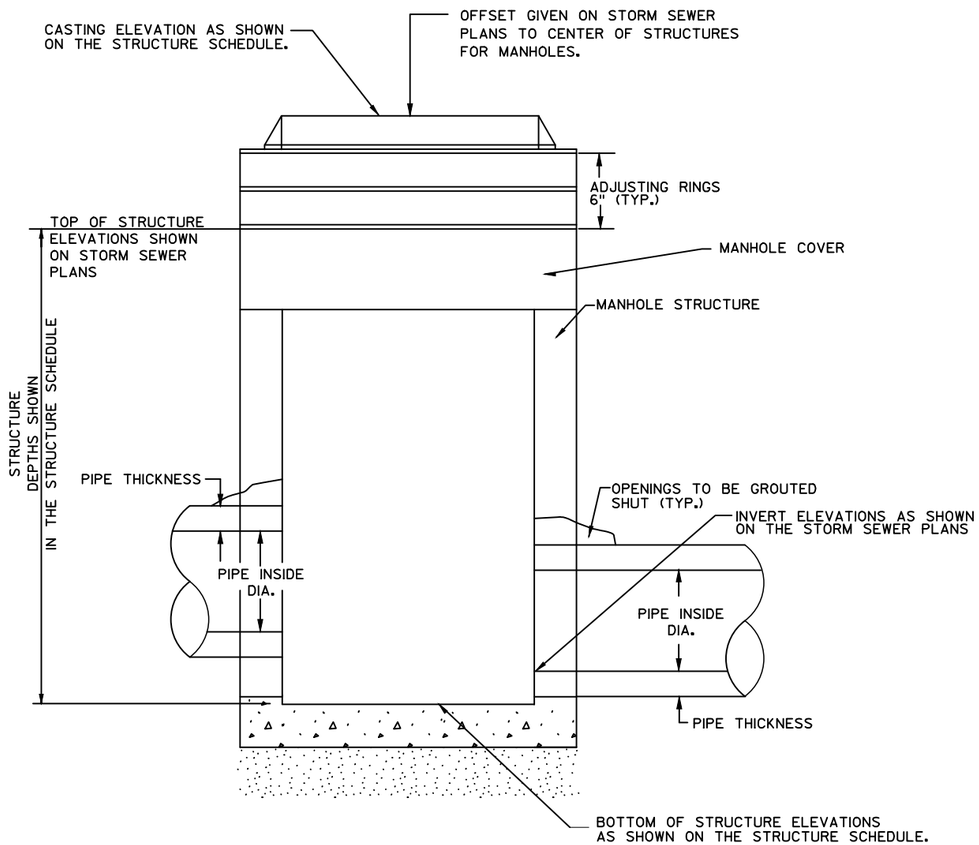


CATCH BASIN W/CASTING DETAIL

GENERAL NOTES:

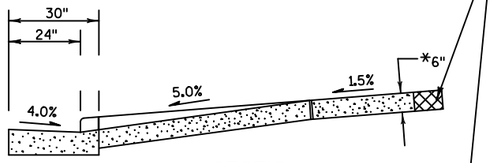
GRANULAR BACKFILL REQUIRED AROUND MANHOLE
(INCIDENTAL TO CONSTRUCTION OF MANHOLE)

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



MANHOLE W/CASTING DETAIL

THIS AREA TO BE REPLACED IN KIND AS NOTED ON PLANS
CONCRETE = CONCRETE DRIVEWAY 6-INCH OVER 6" BASE AGGREGATE 1 ¼"
HMA = 3½" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 8" BASE AGGREGATE 1 ¼ "
BAD = 6" BASE AGGREGATE ¾"



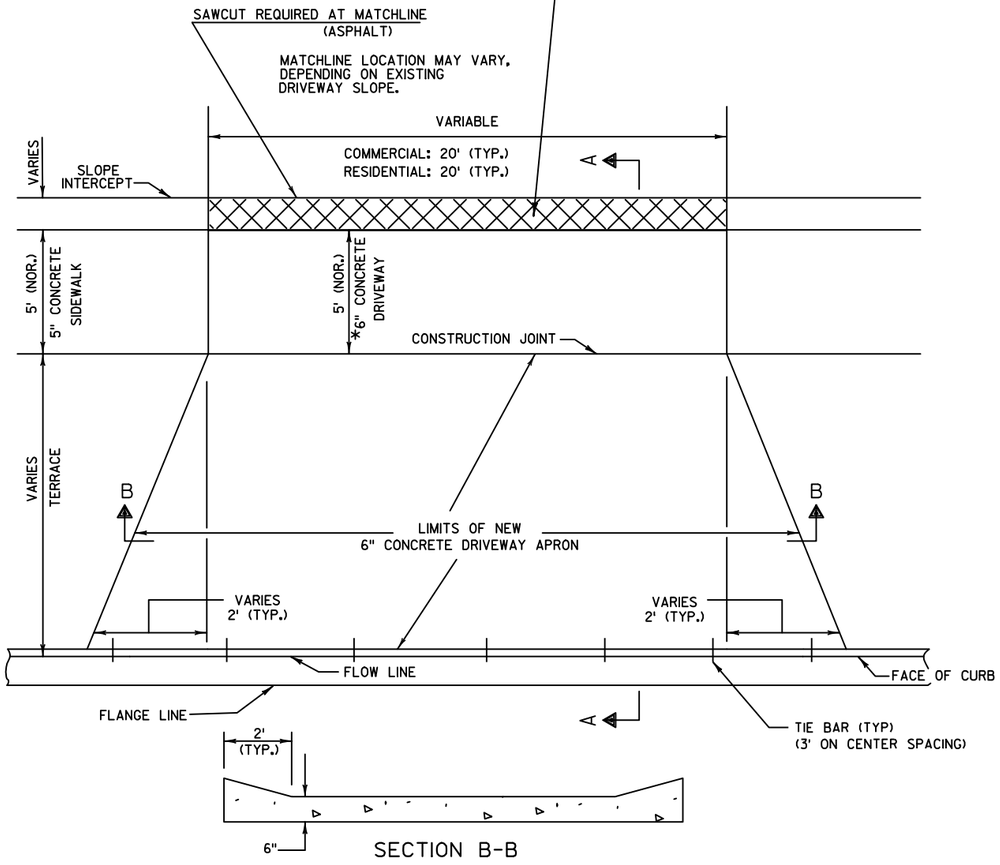
SECTION A-A

DRIVEWAY CONSTRUCTION NOTES:

——— HEAVY LINE INDICATES ½" EXPANSION JOINT MATERIAL.

* UNLESS OTHERWISE NOTED ON PLAN

PROVIDE CONTRACTION JOINT FOR CONCRETE DRIVEWAYS WIDER THAN 14 FEET

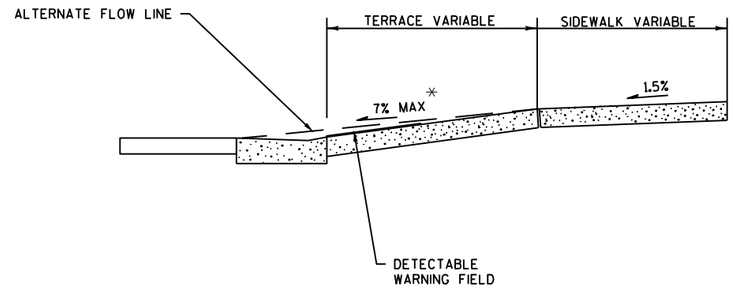


SECTION B-B

CONCRETE DRIVEWAY DETAIL

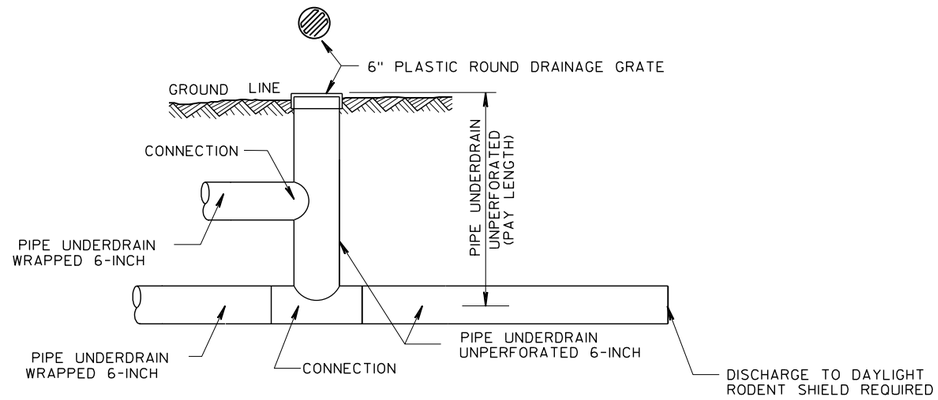
(ADJACENT TO SIDEWALK)

* ABSOLUTE MAXIMUM 10% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE TO MATCH EXISTING CONDITIONS AS SHOWN IN CURB RAMP DETAILS.



ALTERNATE FLOW LINE CURB RAMP

SEE CURB RAMP DETAILS FOR LOCATIONS.

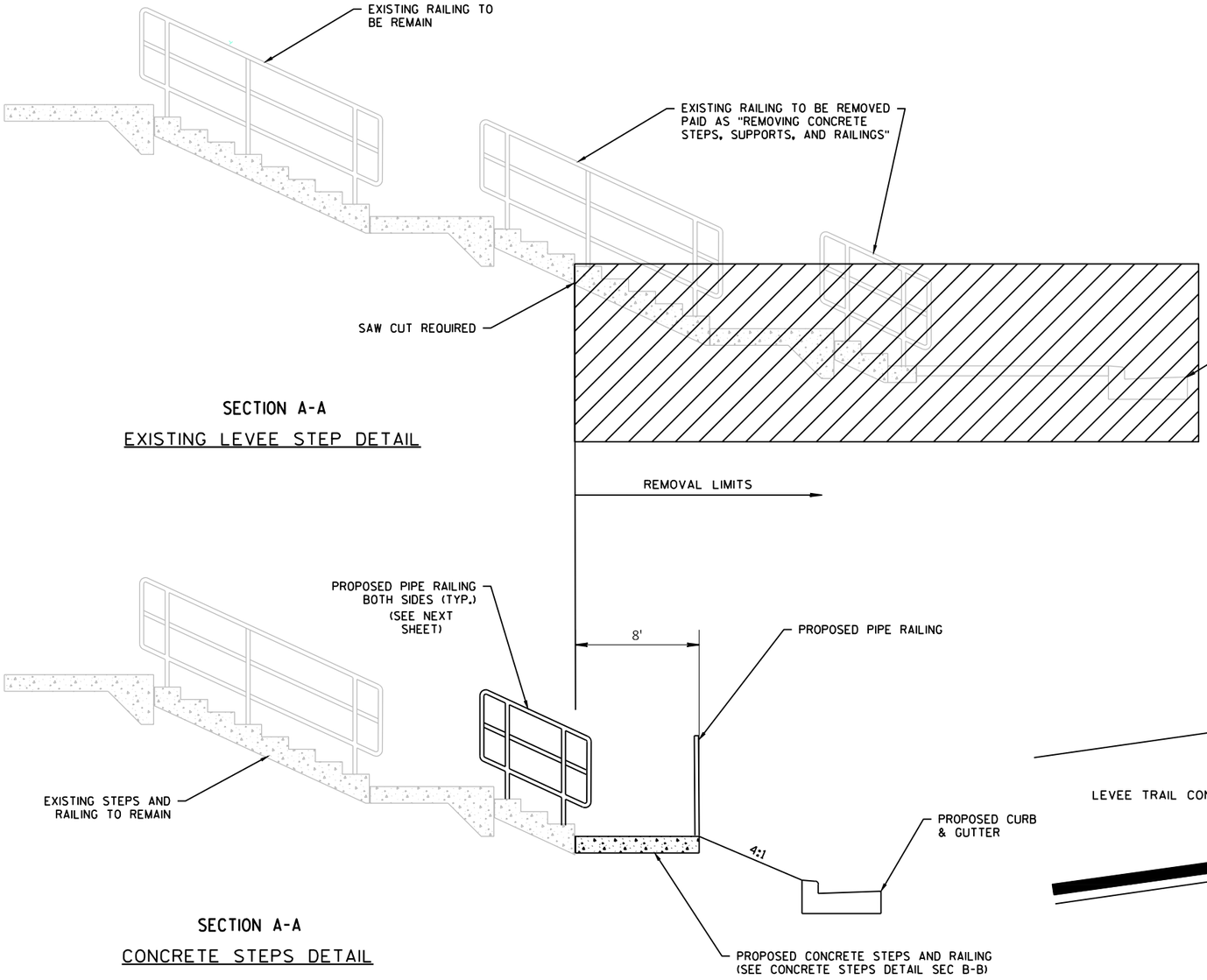


NOTE: THE COST OF FURNISHING AND INSTALLING THE CONNECTION TO THE UNDERDRAIN AND THE DRAINAGE GRATE SHALL BE CONSIDERED INCIDENTAL TO THE ITEM PIPE UNDERDRAIN, UNPERFORATED.

6 INCH DRAIN TILE INLET DETAIL

FOR RETAINING WALL #2 DRAIN TILE

2

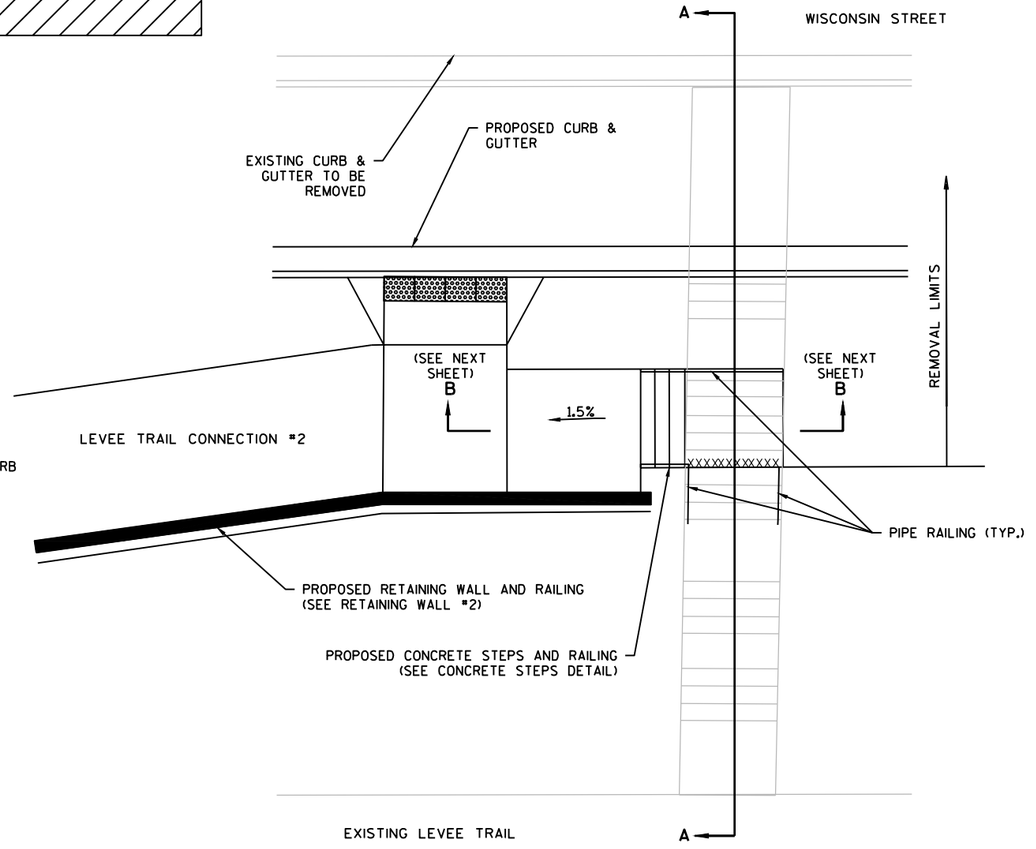


SECTION A-A

CONCRETE STEPS DETAIL

SECTION A-A

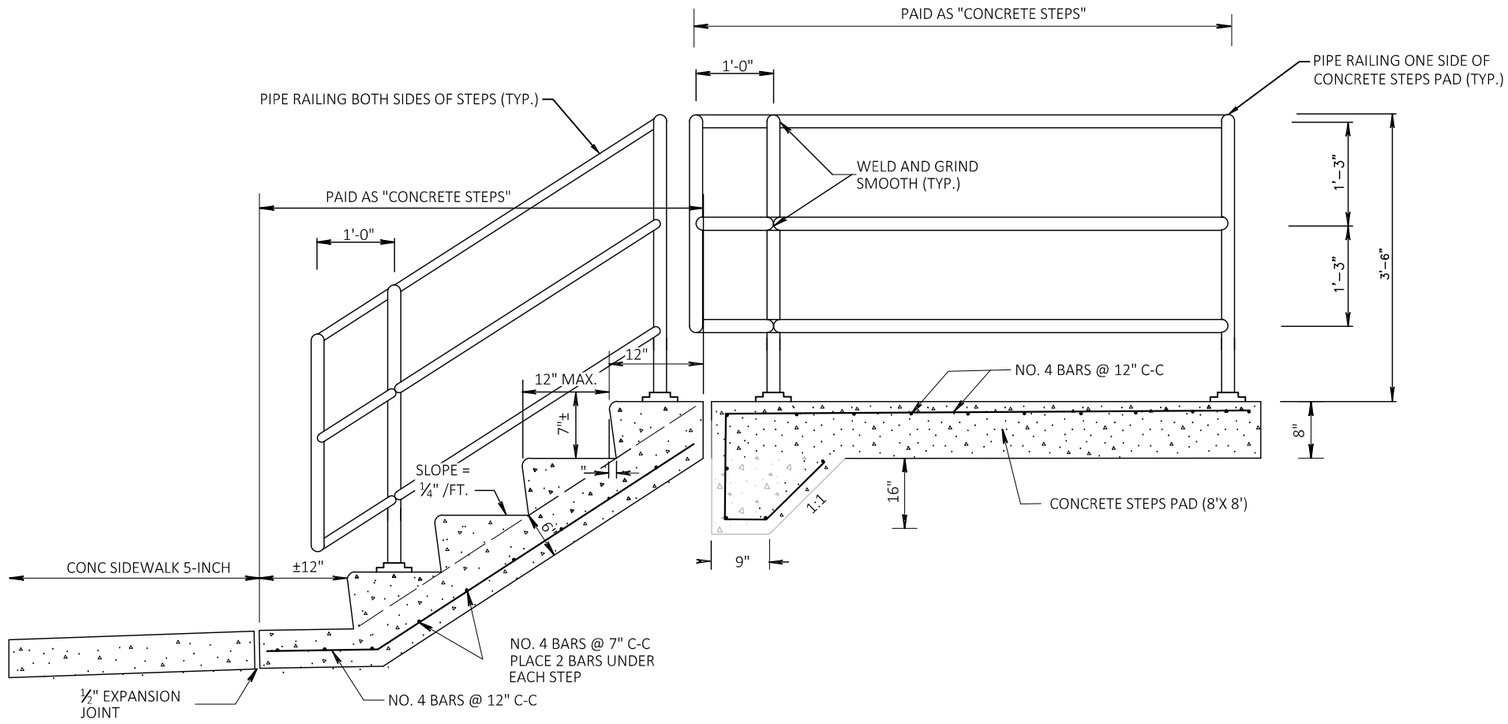
EXISTING LEVEE STEP DETAIL



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS	SHEET	E

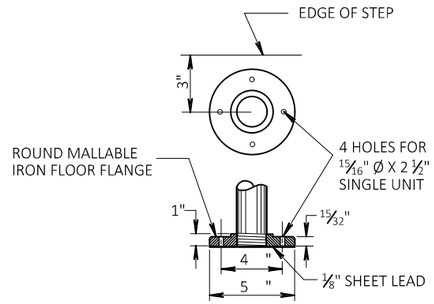
FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CONSTRUCTION DETAILS\021001-CD.DWG
LAYOUT NAME - ****

PLOT DATE : 7/6/2020 11:06 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1" = 1'



SECTION B-B

CONCRETE STEPS DETAIL



FLANGE DETAIL

NOTE:

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

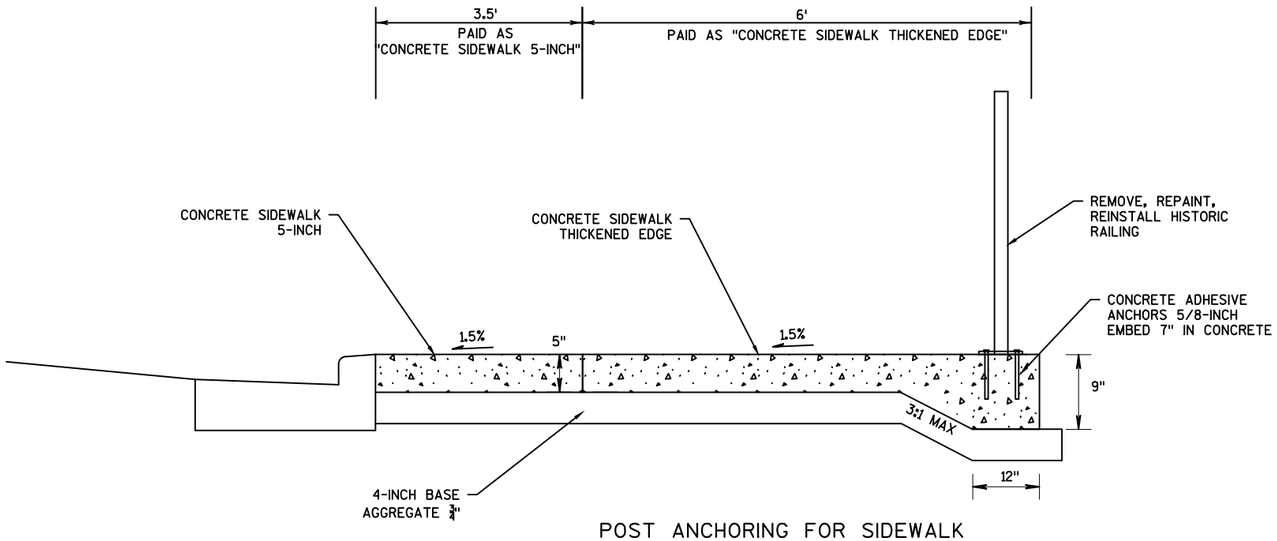
STEEL REINFORCEMENT AND PIPE RAILING NOT REQUIRED ON STEPS WITH 2 RISERS OR LESS.

MINIMUM WIDTH OF STEP EQUALS 8 FEET.

RAILING TO BE PLACED ON BOTH SIDE OF STEPS.

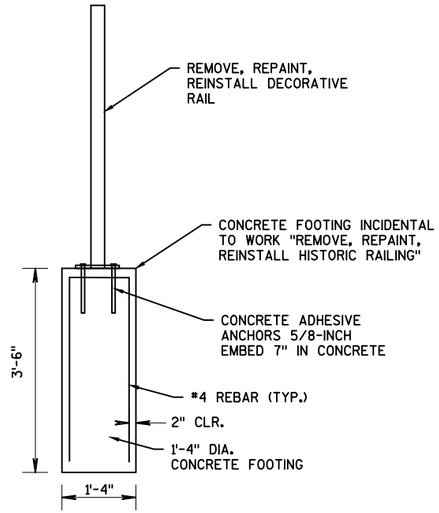
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS	SHEET 22	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CONSTRUCTION DETAILS\021001-CD.DWG
LAYOUT NAME - ****
PLOT DATE : 7/6/2020 11:06 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1" = 1'
WISDOT/CADDS SHEET 42



POST ANCHORING FOR SIDEWALK

STA 102+68 'WI' - STA 103+70 'WI' RT



POST ANCHORING FOR GROUND

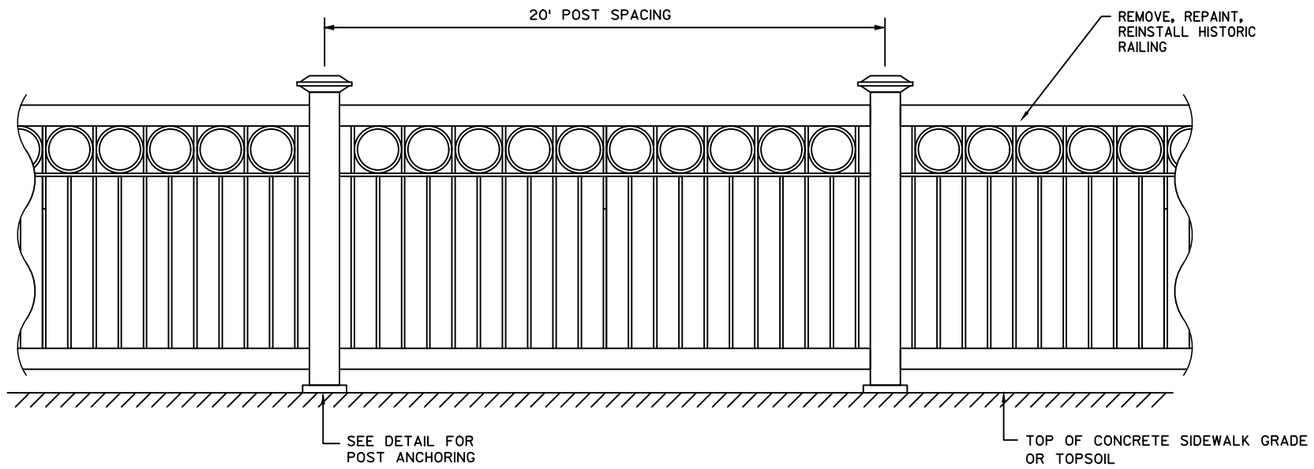
STA 103+98 'WI' - STA 104+68 'WI' LT

NOTES:
ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

CAULK AROUND PERIMETER OF BASE PLATES AND FILL BOLT SLOT OPENINS IN SHIMS AND BASE PLASTES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

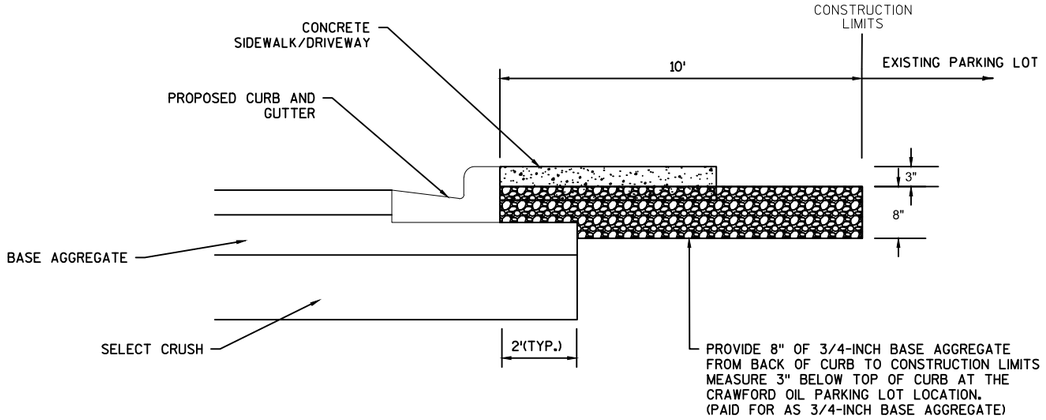
TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.



REMOVE, REPAINT, REINSTALL HISTORIC RAILING

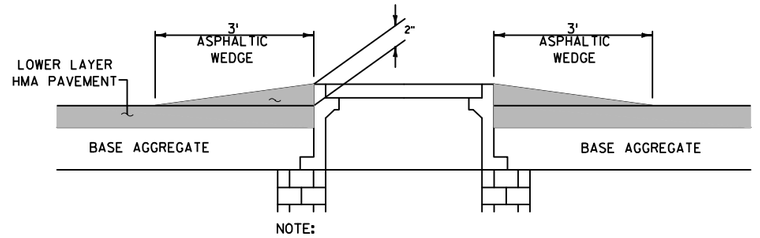
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CONSTRUCTION DETAILS\021001-CD.DWG
LAYOUT NAME - ****
PLOT DATE : 7/6/2020 11:06 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1" = 1'
WISDOT/CADDS SHEET 42



CRAWFORD OIL PARKING LOT/DRIVEWAY

STA 115+60 'WI' TO 117+55 'WI' RT

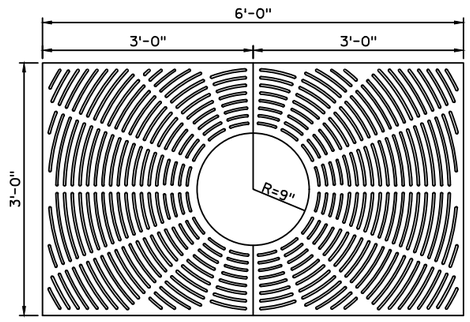


NOTE:

REMOVAL OF ASPHALTIC WEDGES WILL BE PAID FOR AS "REMOVING ASPHALTIC SURFACE BUTT JOINTS."

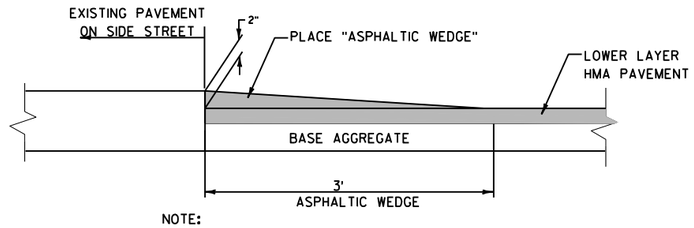
TEMPORARY WEDGES DETAIL (MANHOLES)

NOTE: PROVIDE ASPHALTIC WEDGES PRIOR TO OPENING LANE TO TRAFFIC



NOTES:
1. INSTALL TREE GRATE PER MANUFACTURER'S RECOMMENDATIONS.
2. TOP OF GRATE SHALL BE FLUSH WITH ADJACENT CONCRETE SIDEWALK.
3. TREE GRATE SHALL COMPLY WITH A.D.A. GUIDELINES.

TREE GRATE



NOTE:

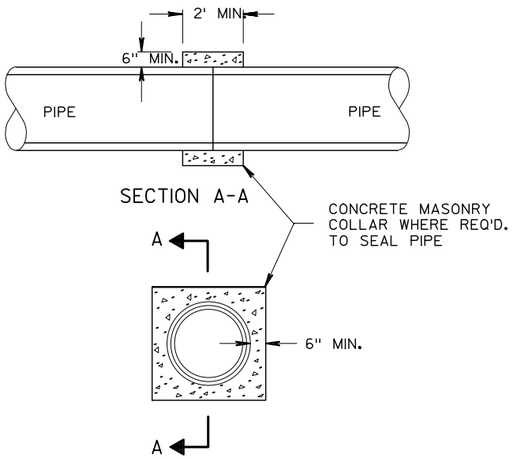
REMOVAL OF ASPHALTIC WEDGES WILL BE PAID FOR AS "REMOVING ASPHALTIC SURFACE BUTT JOINT".

TEMPORARY WEDGES DETAIL (MATCH POINTS)

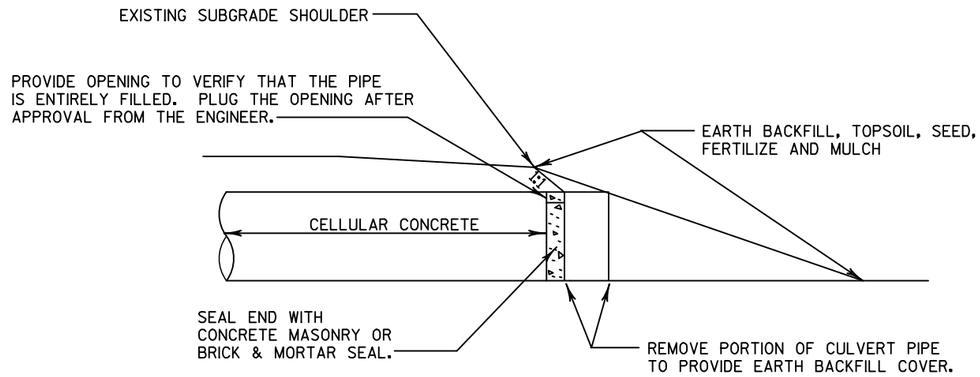
(MATCH POINTS)

NOTE: PROVIDE ASPHALTIC WEDGE PRIOR TO OPENING LANE TO TRAFFIC.

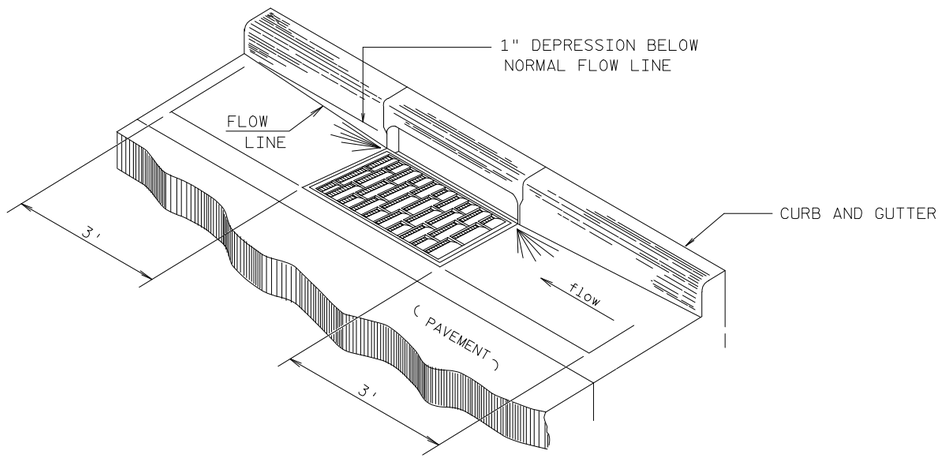
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS	SHEET 24	E



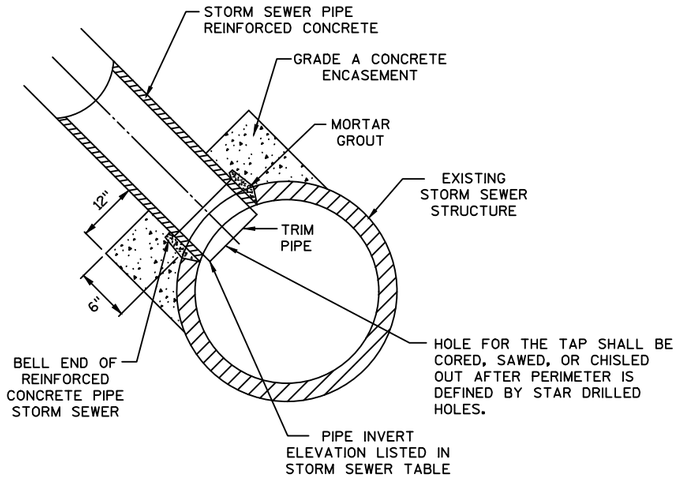
CONCRETE COLLAR DETAIL



ABANDONING SEWER DETAIL



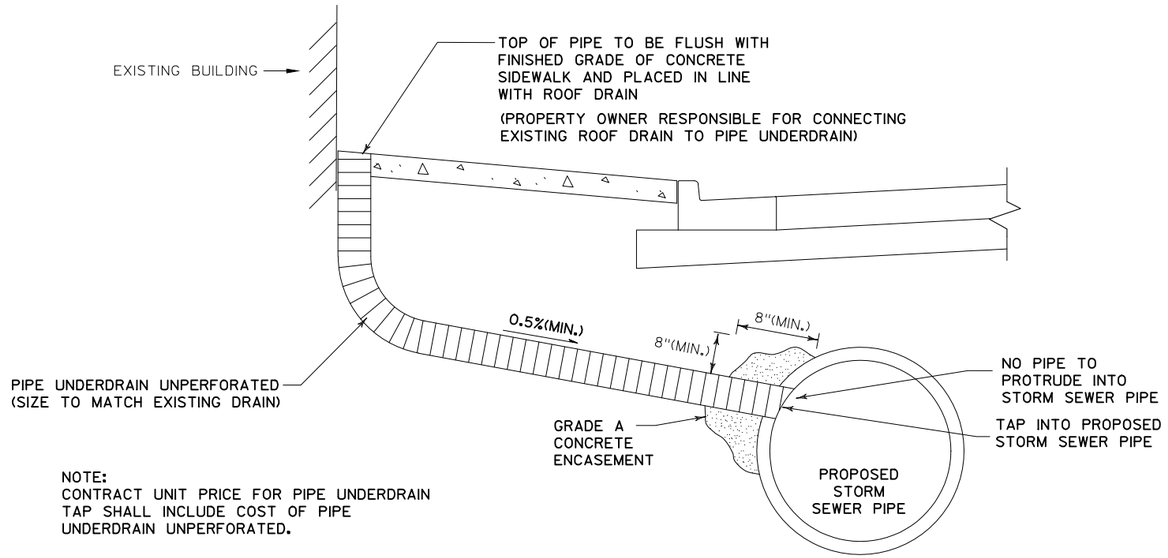
CURB AND GUTTER AT INLETS



CONNECTION TO EXISTING MANHOLE

NOTE: CONTRACT UNIT PRICE FOR PIPE SHALL INCLUDE COST OF CONNECTION TO EXISTING M.H.

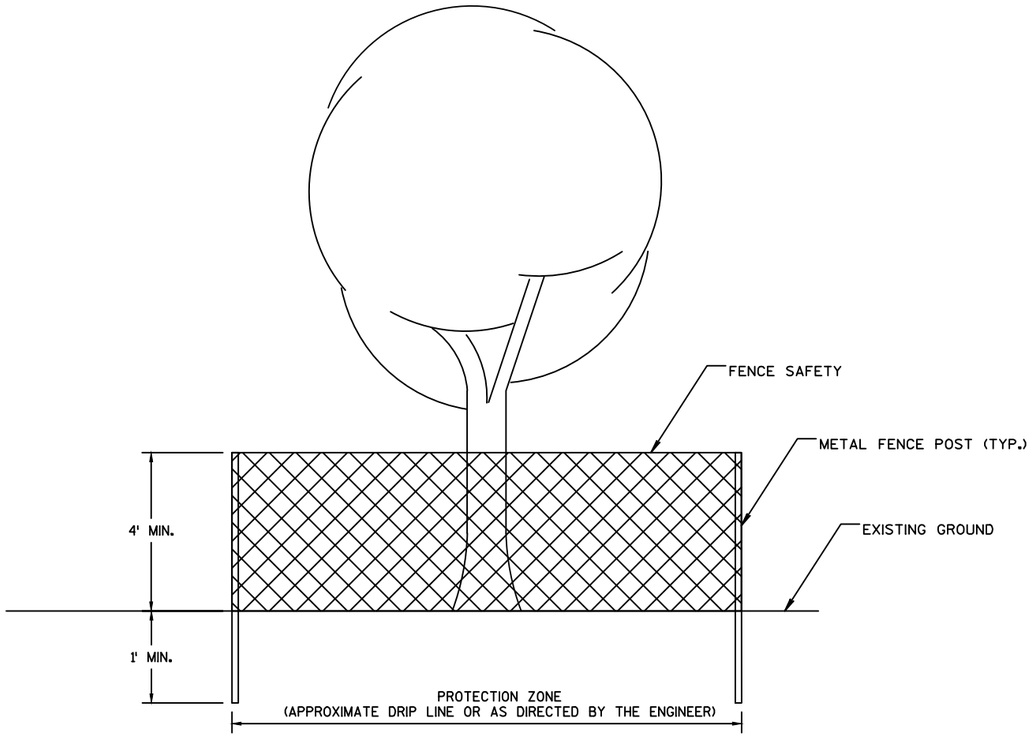
2



NOTE:
CONTRACT UNIT PRICE FOR PIPE UNDERDRAIN TAP SHALL INCLUDE COST OF PIPE UNDERDRAIN UNPERFORATED.

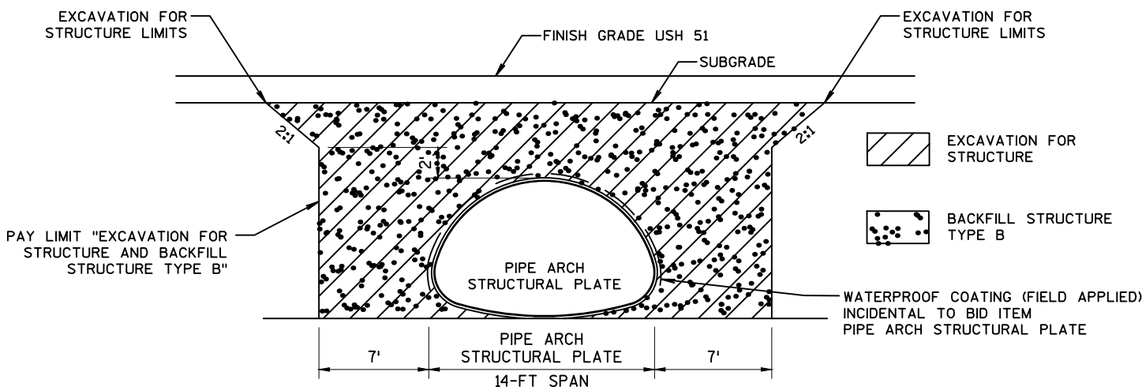
ROOF DRAIN TAP DETAIL

(SEE STORM SEWER PLANS FOR LOCATIONS)

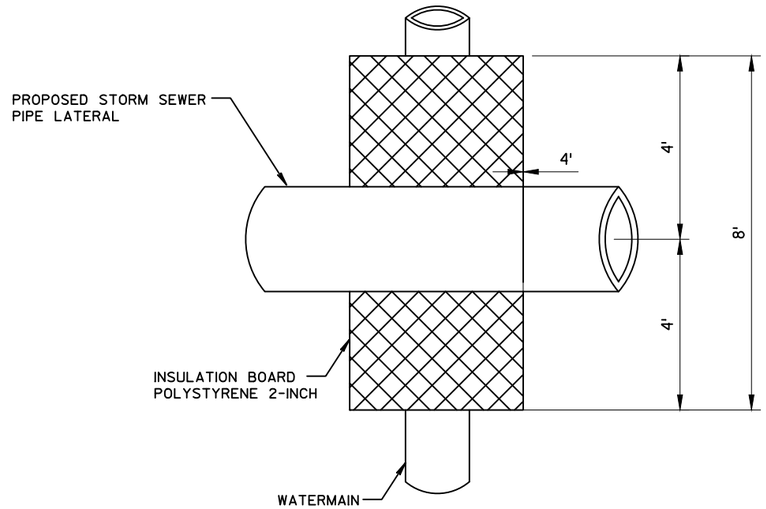


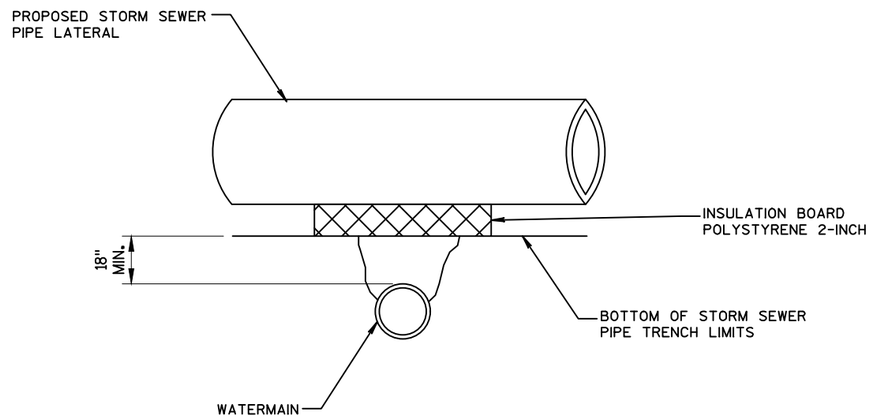
TREE PROTECTION DETAIL

SEE PLAN AND PROFILE & MISCELLANEOUS QUANTITIES SHEETS FOR LOCATIONS



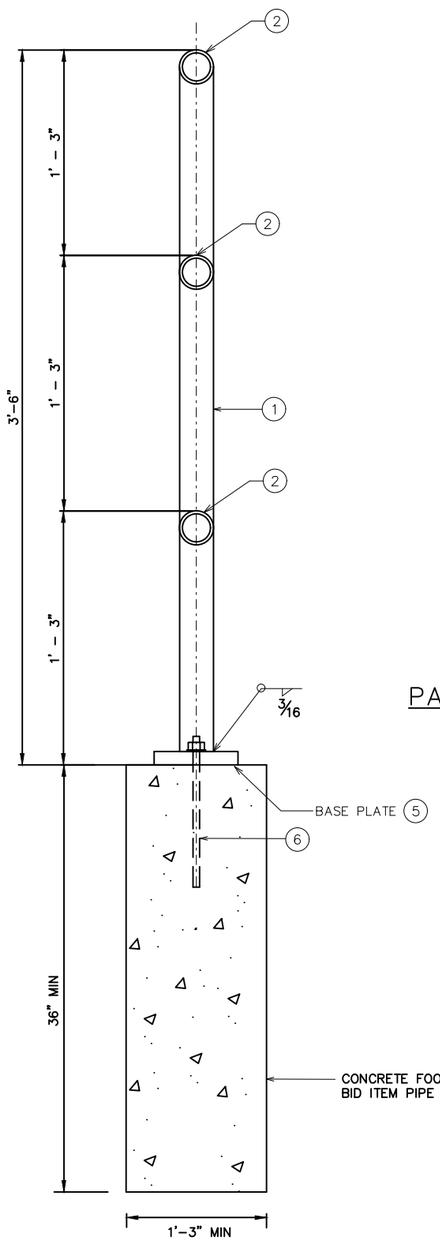
EXCAVATION AND BACKFILL LIMITS PIPE ARCH STRUCTURE PLATE



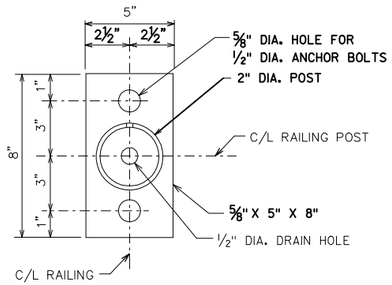


INSULATION BOARD POYLSTYRENE DETAIL

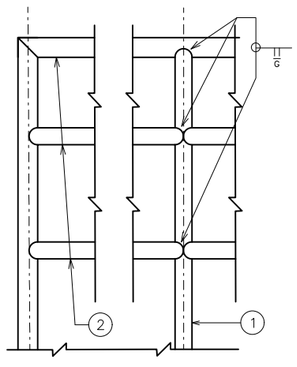
NOTE: REFER TO MISCELLANEOUS QUANTITIES FOR LOCATIONS



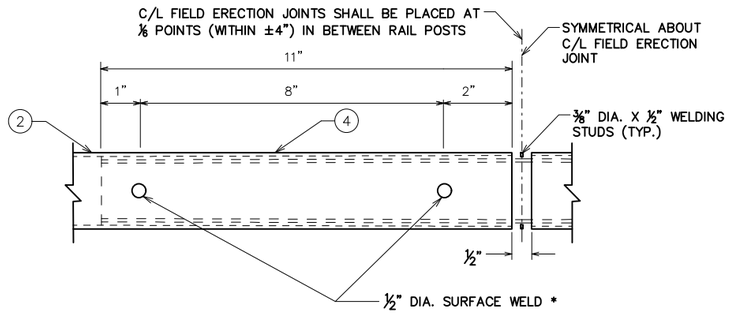
SECTION THRU RAILING



BASE PLATE

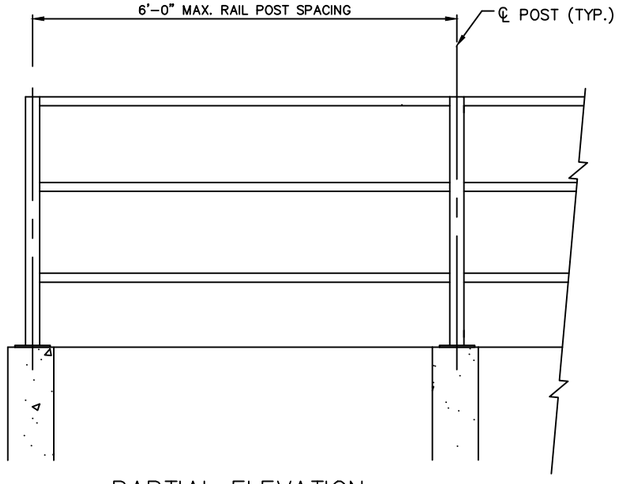


PART ELEVATION OF RAILING

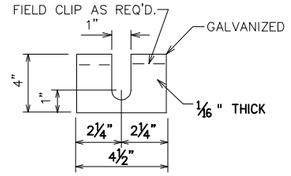


FIELD ERECTION JOINT DETAIL

* MIN. ⅝" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE

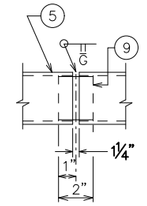


PARTIAL ELEVATION



POST SHIM DETAILS

SHIMS REQUIRED ONLY WHEN END POSTS AND LINE POSTS ARE WELDED TO BASE PLATES. PROVIDE 4 SHIMS PER POST. USE WHERE REQUIRED FOR ALIGNMENT.



SHOP RAIL SPLICE DETAIL

(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)

LEGEND

(1) 2" DIA. SCH. 40 STEEL PIPE FOR POSTS: CUT BOTTOM OF POSTS AS REQUIRED TO SET POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS

(2) 2" DIA. SCH. 40 STEEL PIPE FOR RAILS: WELD TO NO. 1

(3) 1 ½" DIA. SCH. 40 PIPE SLEEVE FOR NO. 2. PROVIDE "SLIDING FIT."

(4) 1 ½" DIA. SCH. 40 PIPE SLEEVE X 1'–10" LONG FOR NO. 2. PROVIDED ½" DIA. SURFACE WELDS ON ALL SIDES AS SHOWN. GRIND WELDS TO FIT FREE INTO I.D. OF NO. 2 PROVIDE ⅜" DIA. X ½" WELDING STUDS ON TOP AND BOTTOM SURFACES AT CENTERLINE.

(5) PLATE ¾" X 5" X 6", WITH ⅝" DIA. HOLE FOR ANCHOR BOLTS NO. 6. WELD TO NO. 1. OR PIPE SLEEVE AS SHOWN.

(6) CONCRETE ADHESIVE ANCHORS ½–INCH. EMBED 7" IN CONCRETE. ADHESIVE ANCHORS SHALL CONFORM TO SECTION 502.2.12 OF THE STANDARD SPECIFICATIONS. 2 REQ'D. PER POST. PLACE NORMAL TO PLATE NO. 5.

NOTES

BID ITEM SHALL BE "RAILING PIPE" WHICH SHALL INCLUDE ALL ITEMS SHOWN.

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

FIELD ERECTION JOINTS MUST BE PLACED IN BETWEEN RAIL POSTS

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

ALL MATERIAL EXCEPT ANCHORAGE DETAIL (NO. 7) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, ALL STEEL RAILING POSTS AND STEEL TUBING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER S.S.P.S. SPECIFICATIONS.

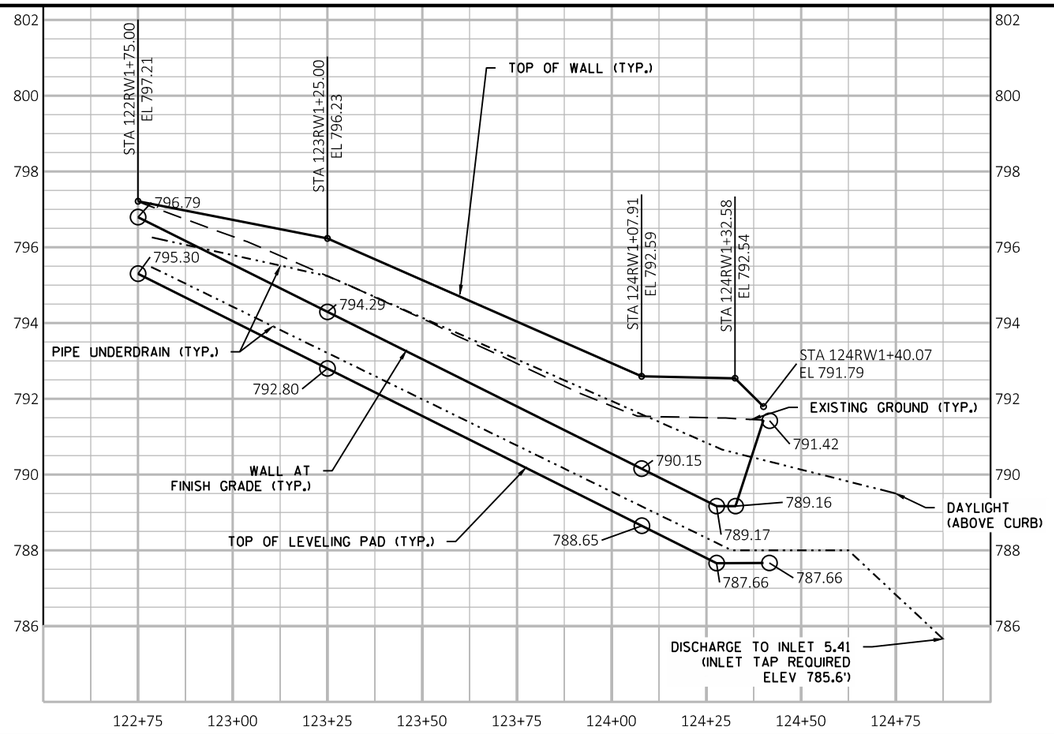
DRILL DRAIN HOLES PRIOR TO GALVANIZING.

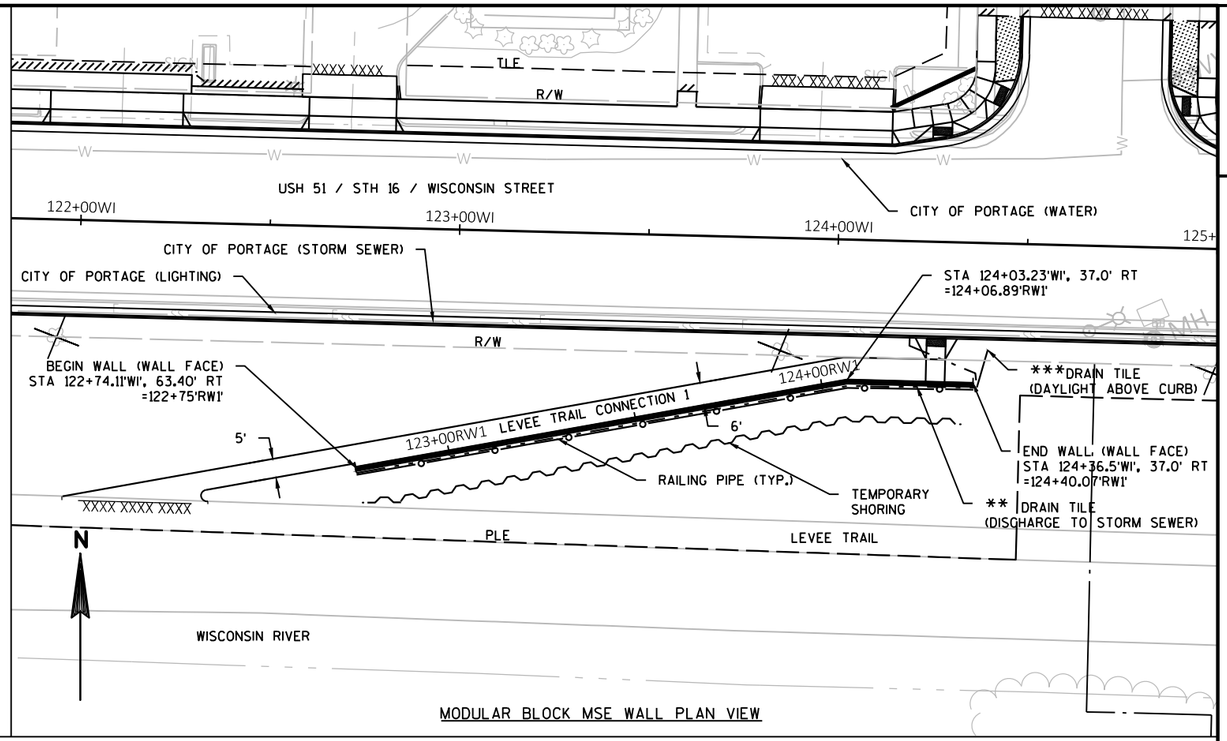
ALL STEEL PLATE MATERIALS USED IN FABRICATIONS SHALL BE MADE FROM MATERIAL CONFORMING TO A.S.T.M. DESIGNATION A709 GRADE 36 UNLESS NOTED OTHERWISE.

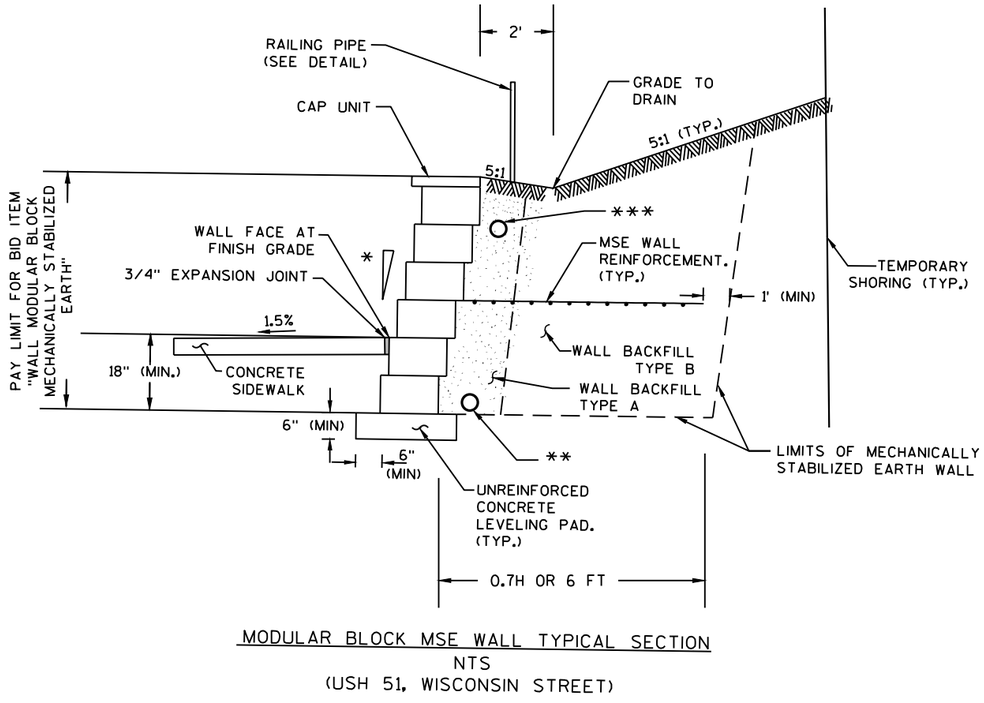
GALVANIZED STEEL POST SHIMS MAY BE USED UNDER POSTS WHERE REQ'D. FOR ALIGNMENT.

ALL STEEL RAILS, POST AND SLEEVES SHALL CONFORM TO A.S.T.M. DESIGNATION A53 GRADE B.

CAULK AROUND PERIMETER OF BASE PLATES AND FILL PORTION OF SLOTTED HOLES AROUND ANCHOR BOLTS IN POST SHIMS AND BASE PLATES WITH NON–STAINING GRAY NON–BITUMINOUS JOINT SEALER.







MODULAR BLOCK MSE WALL TYPICAL SECTION
NTS
(USH 51, WISCONSIN STREET)

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS AND SHOP DRAWINGS FOR THE RETAINING WALL IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH (LEVEE CONNECTION *1).

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE GRADES PROVIDED ON THIS DETAIL.

DESIGN FOR THE RETAINING WALL TO PROVIDE FOR THE FINISHED SLOPE BEHIND THE WALL AS SHOWN ON THE CROSS SECTIONS.

WALL TO HAVE SPLIT BLOCK APPEARANCE AND BE TAN OR GRAY IN COLORATION.
(TO BE APPROVED BY THE CITY OF PORTAGE OR ENGINEER)

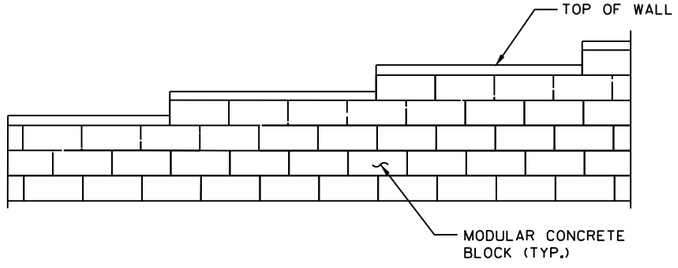
*BATTER VARIES BY MANUFACTURER

**PIPE UNDERDRAIN WRAPPED 6-INCH, SLOPE 0.5% MIN. TO DISCHARGE INTO PROPOSED INLET 5.41 ELEVATION 785.6. (INLET TAP REQUIRED INCIDENTAL TO DRAIN TILE)

***PIPE UNDERDRAIN WRAPPED 6-INCH, SLOPE 0.5% MIN. TO DISCHARGE ABOVE PROPOSED CURB AND GUTTER. RODENT SHIELD REQUIRED.

SOIL PARAMETERS

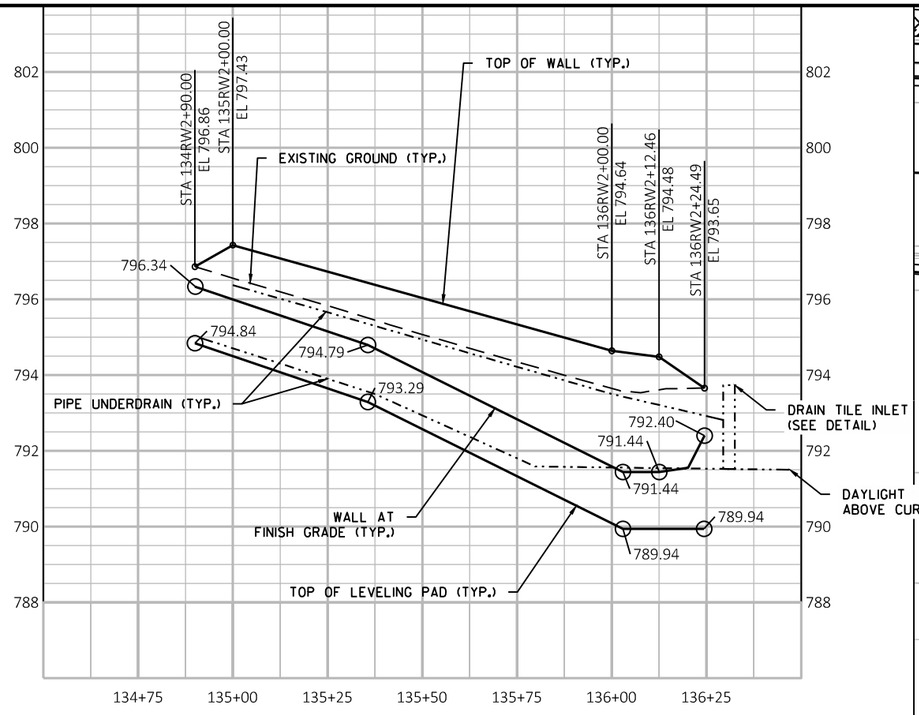
SOIL DESCRIPTION	UNIT WEIGHT (pcf)	FRICTION ANGLE (degrees)	COHESION (psf)
GRANULAR FILL	120	30°	0

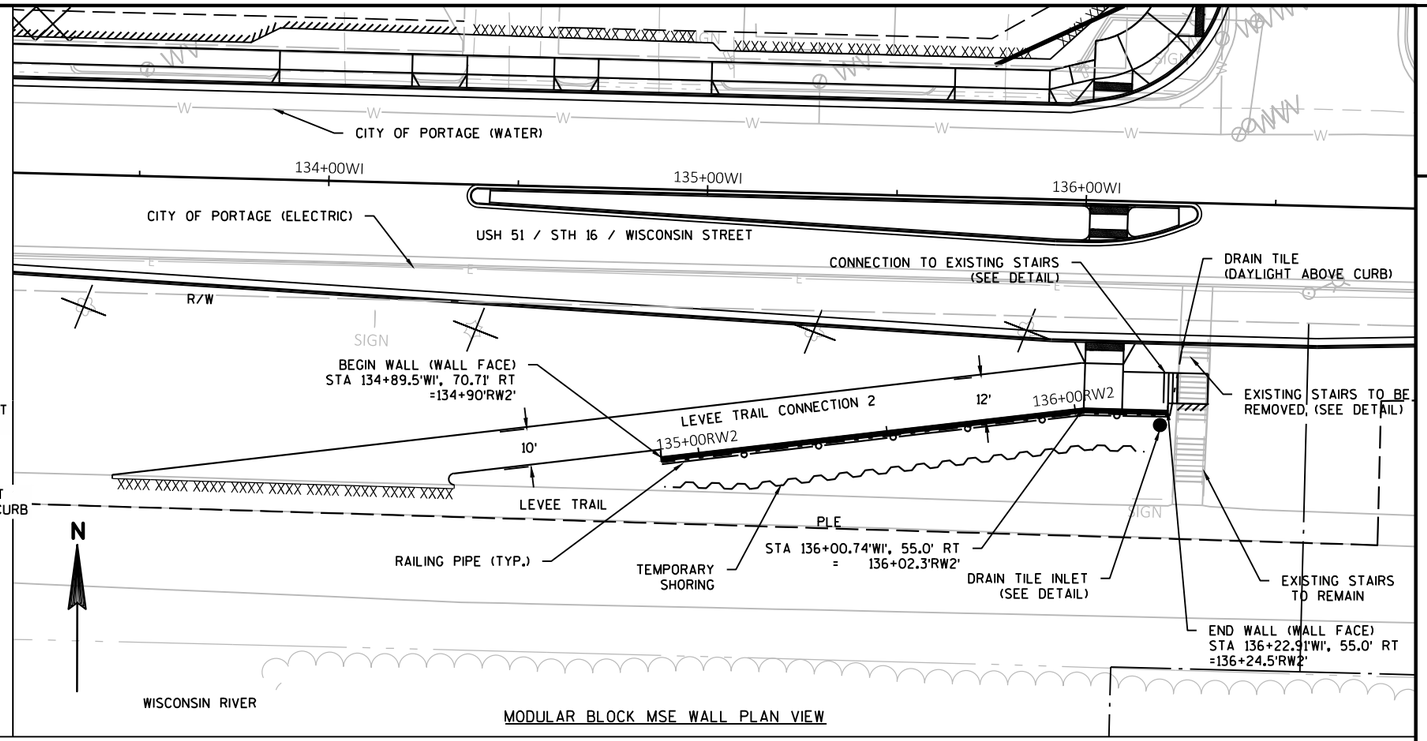


RETAINING WALL FACE

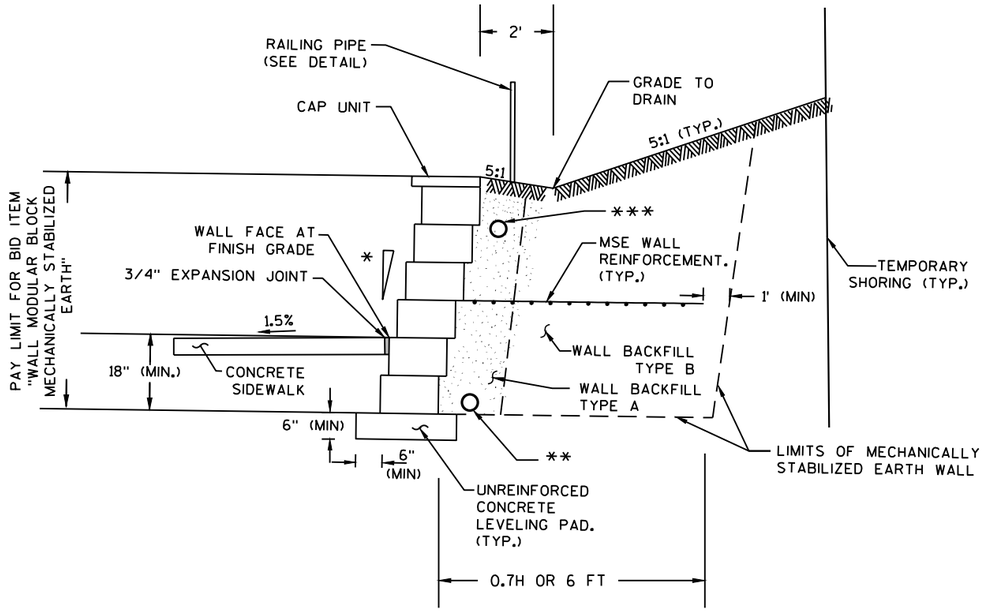
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAIL - RETAINING WALL #1	SHEET 29	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CONSTRUCTION DETAILS\021001-RETAINING WALLS.DWG
LAYOUT NAME - Trail 1
PLOT DATE : 7/6/2020 11:49 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42





MODULAR BLOCK MSE WALL PLAN VIEW



MODULAR BLOCK MSE WALL TYPICAL SECTION
NTS
(USH 51, WISCONSIN STREET)

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS AND SHOP DRAWINGS FOR THE RETAINING WALL IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH (LEVEE CONNECTION #2).

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED USING THE GRADES PROVIDED ON THIS DETAIL.

DESIGN FOR THE RETAINING WALL TO PROVIDE FOR THE FINISHED SLOPE BEHIND THE WALL AS SHOWN ON THE CROSS SECTIONS.

WALL TO HAVE SPLIT BLOCK APPEARANCE AND BE TAN OR GRAY IN COLORATION.
(TO BE APPROVED BY THE CITY OF PORTAGE OR ENGINEER)

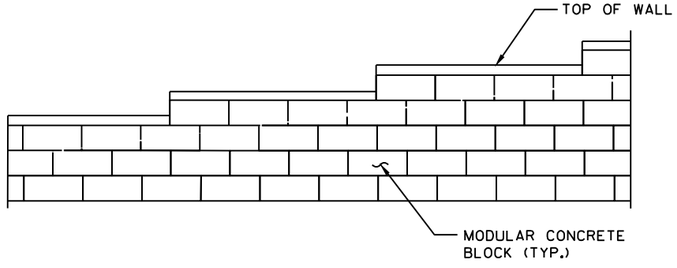
*BATTER VARIES BY MANUFACTURER

**PIPE UNDERDRAIN WRAPPED 6-INCH, SLOPE 0.5% MIN. TO DISCHARGE ABOVE PROPOSED CURB AND GUTTER. RODENT SHIELD REQUIRED.

***PIPE UNDERDRAIN WRAPPED 6-INCH, SLOPE 0.5% MIN. TO DISCHARGE IN PROPOSED DRAIN TILE INLET. (SEE DETAIIL)

SOIL PARAMETERS

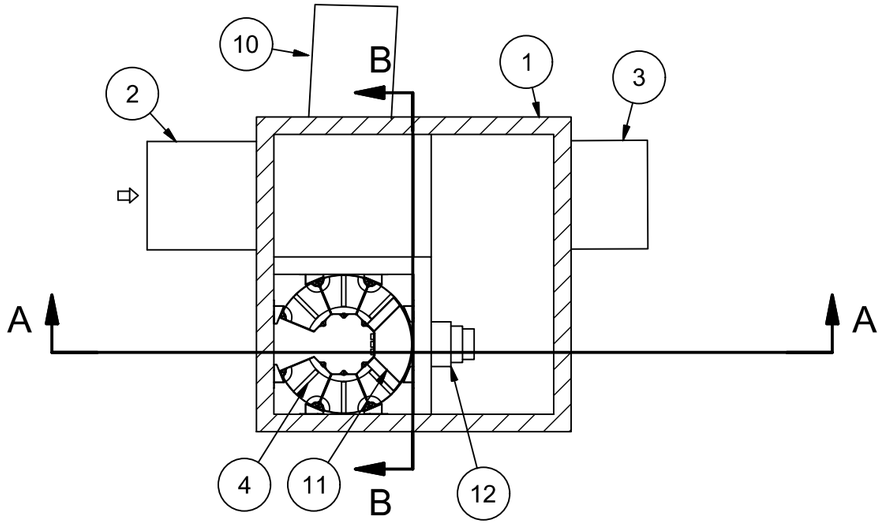
SOIL DESCRIPTION	UNIT WEIGHT (pcf)	FRICTION ANGLE (degrees)	COHESION (psf)
GRANULAR FILL	120	30°	0

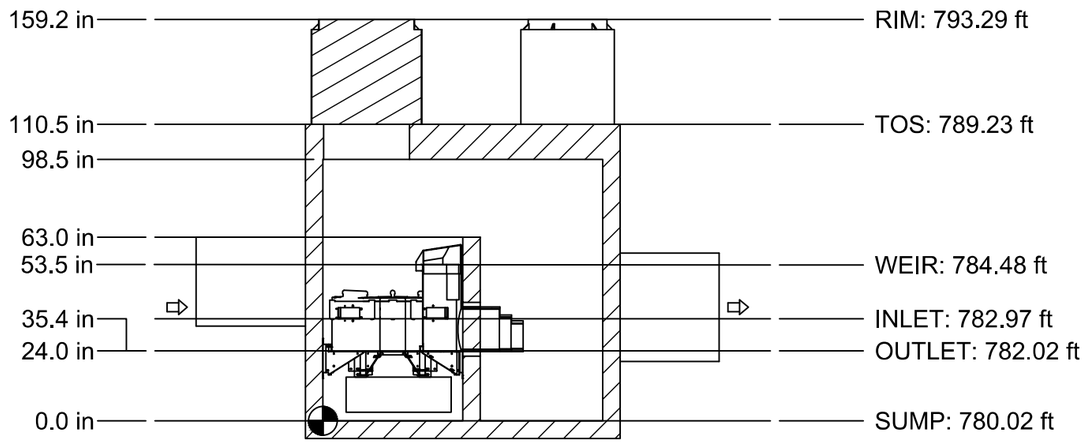


RETAINING WALL FACE

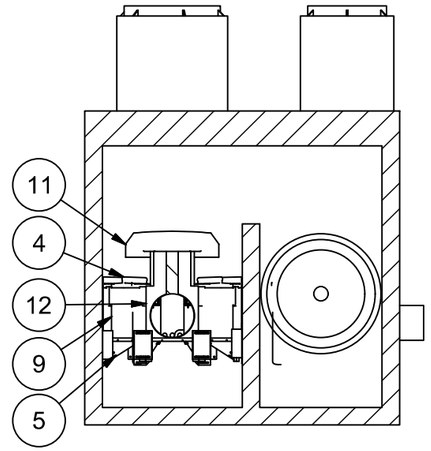
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAIL - RETAINING WALL #2	SHEET 30	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CONSTRUCTION DETAILS\021001-RETAINING WALLS.DWG
LAYOUT NAME - Trail 2
PLOT DATE : 7/6/2020 11:49 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42





SECTION A-A
SCALE 1:50



SECTION B-B
SCALE 1:50

CAPACITIES:

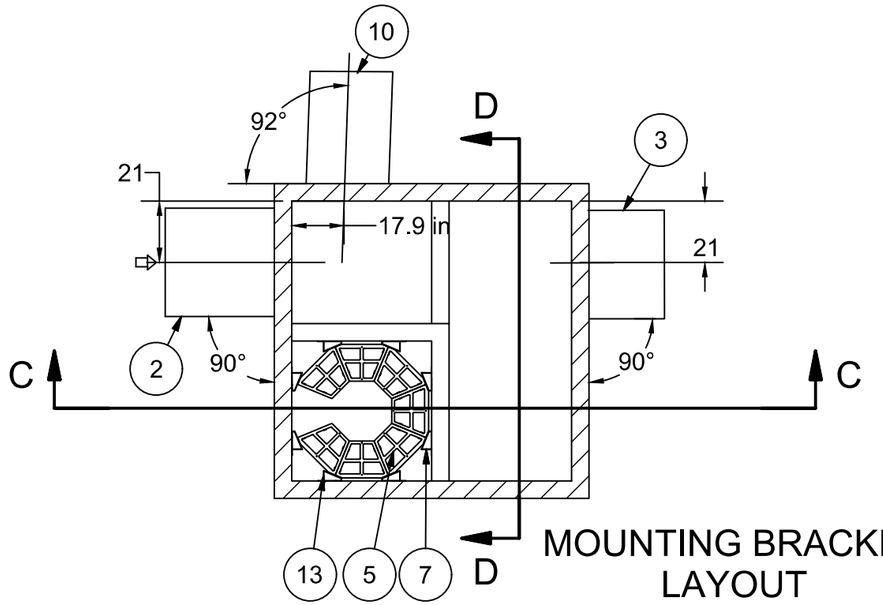
1. Minimum performance: 80% removal. NJDEP - NJDEP Blend; NJCAT, Sil-Co-Sil 106 (d50 = 22 microns) at the peak treatment flow.
2. Maximum number of modules per outlet module: 38 **
3. NJDEP peak treatment flow: .056 cfs (25 gpm) per module, CPZ

ADDITIONAL DESIGN INFORMATION:

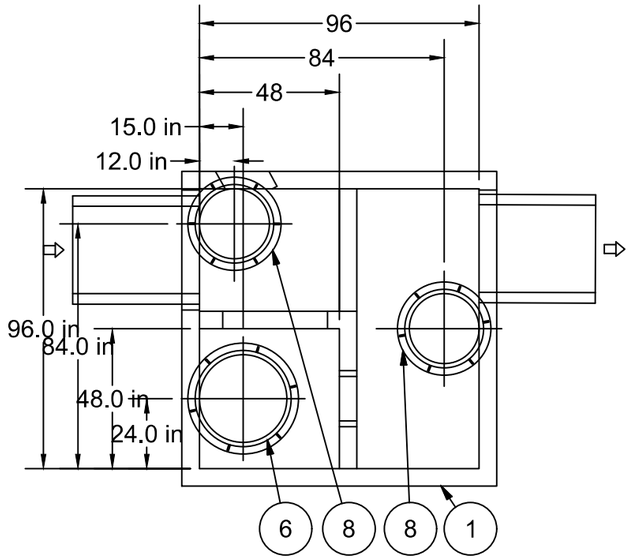
1. * Normal operating W.S.E. is 2.46' above the outlet invert at the peak treatment flow of .056 cfs (25 gpm) per module. For a given flow the head requirement can be reduced by adding additional filters.
2. ** Treatment flows that require more modules will require a larger vault design or different arrangement.
3. Media Types Available: New Jersey - Ribbons; Elsewhere - CPZ

PARTS LIST

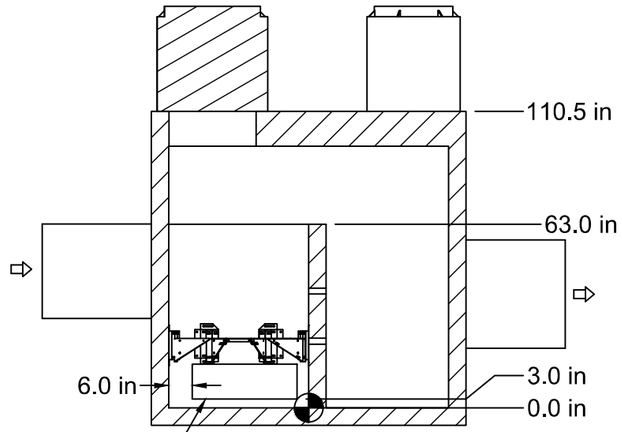
ITEM	QTY	DESCRIPTION	TYPE	SIZE (in)
1	1	PRECAST VAULT		8ft X 8ft
2	1	UFF Inlet Pipe	RCP	24
3	1	UFF Outlet Pipe	RCP	30
4	6	MODULE LID		
5	7	SUPPORT FRAME		
6	1	Cover 30 in		30
7	4	WEDGE WALL MOUNT		
8	2	Cover 24 in		24
9	6	MODULE BODY		
10	1	Aux Pipe 1	RCP	24
11	1	BYPASS HOOD		
12	1	OUTLET MODULE		
13	4	WEDGE WALL MOUNT_MIR		



MOUNTING BRACKET LAYOUT

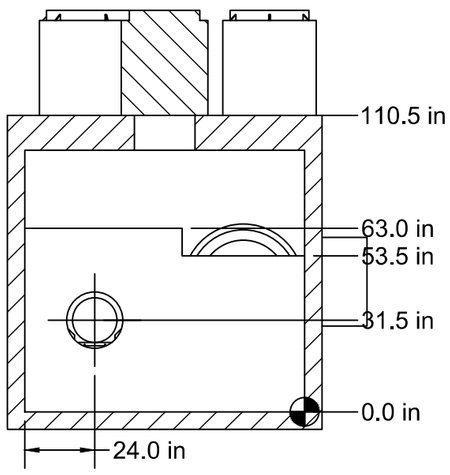


PRECAST DETAIL



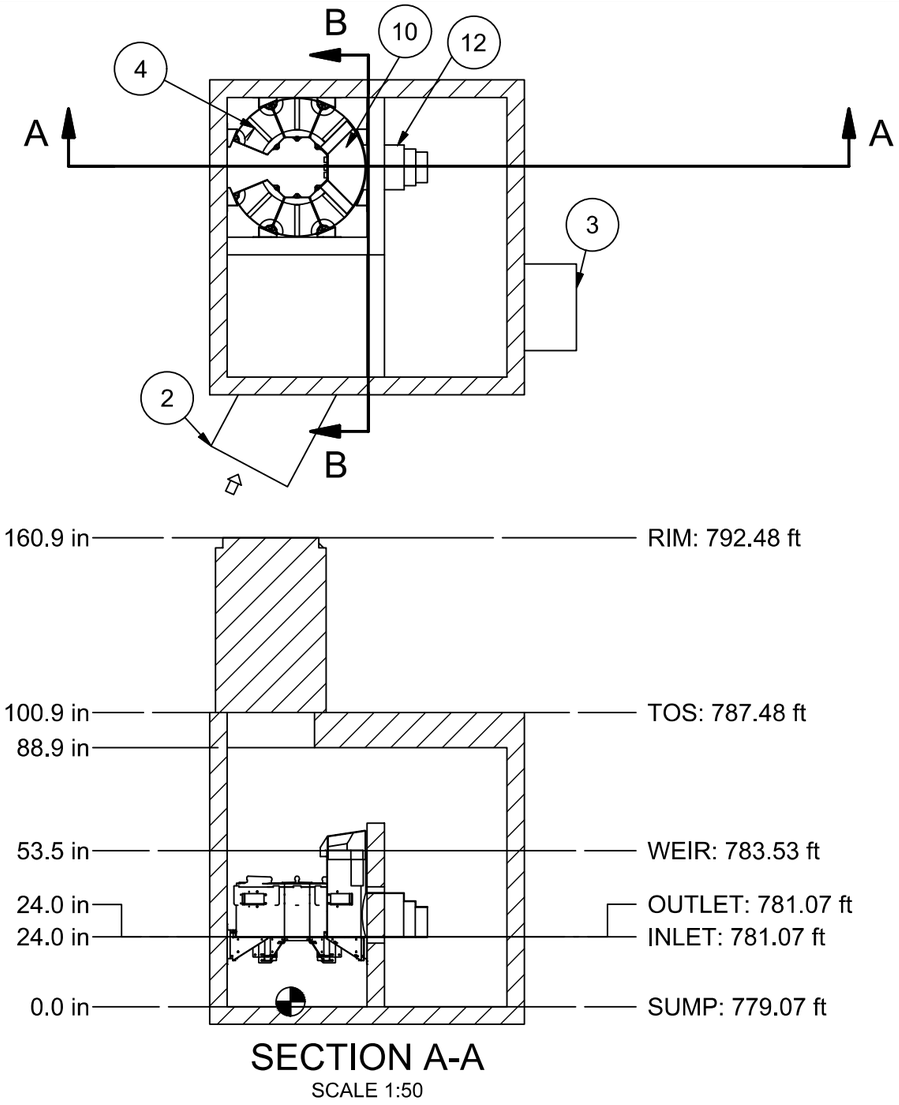
SECTION C-C
SCALE 1:50

12" x 36" TYP
CONVEYANCE SLOT



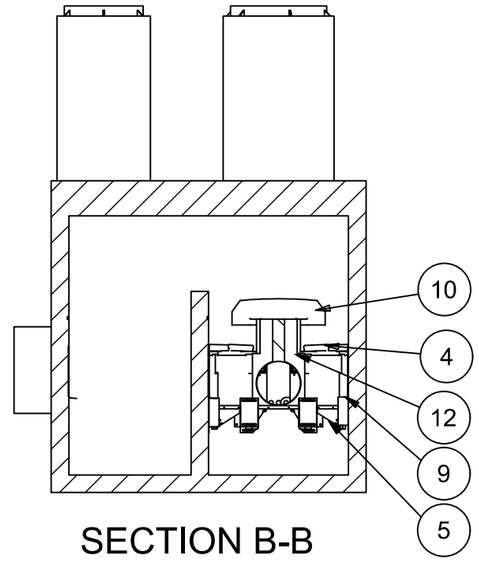
SECTION D-D
SCALE 1:50

PARTS LIST			
ITEM	QTY	DESCRIPTION	SIZE (in)
1	1	PRECAST VAULT	8ft X 8ft
2	1	UFF Inlet Pipe	24
3	1	UFF Outlet Pipe	30
4	6	MODULE LID	
5	7	SUPPORT FRAME	
6	1	Cover 30 in	30
7	4	WEDGE WALL MOUNT	
8	2	Cover 24 in	24
9	6	MODULE BODY	
10	1	Aux Pipe 1	24
11	1	BYPASS HOOD	
12	1	OUTLET MODULE	
13	4	WEDGE WALL MOUNT_MIR	



SECTION A-A

SCALE 1:50



SECTION B-B

SCALE 1:50

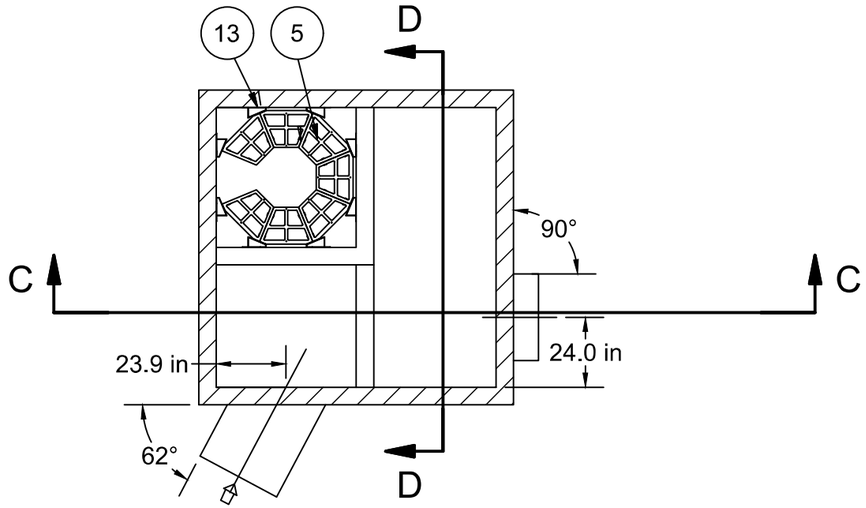
CAPACITIES:

1. Minimum performance: 80% removal. NJDEP - NJDEP Blend; NJCAT, Sil-Co-Sil 106 (d50 = 22 microns) at the peak treatment flow.
2. Maximum number of modules per outlet module: 38 **
3. NJDEP peak treatment flow: .056 cfs (25 gpm) per module, CPZ

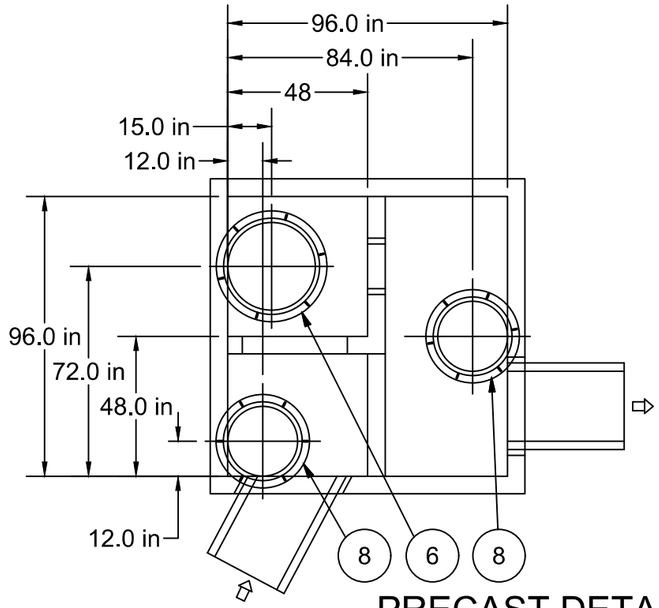
ADDITIONAL DESIGN INFORMATION:

1. * Normal operating W.S.E. is 2.46' above the outlet invert at the peak treatment flow of .056 cfs (25 gpm) per module. For a given flow the head requirement can be reduced by adding additional filters.
2. ** Treatment flows that require more modules will require a larger vault design or different arrangement.
3. Media Types Available: New Jersey - Ribbons; Elsewhere - CPZ

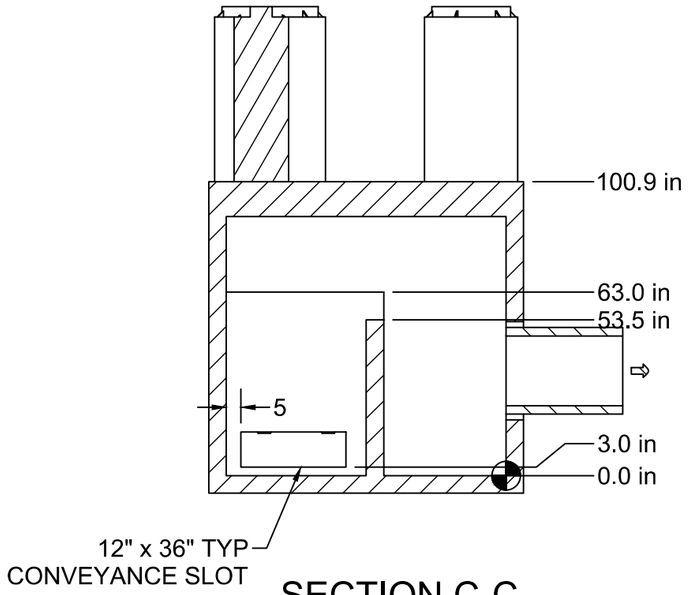
PARTS LIST				
ITEM	QTY	DESCRIPTION	TYPE	SIZE (in)
1	1	PRECAST VAULT		8ft X 8ft
2	1	UFF Inlet Pipe	RCP	24
3	1	UFF Outlet Pipe	RCP	24
4	6	MODULE LID		
5	7	SUPPORT FRAME		
6	1	Cover 30 in		30
7	4	WEDGE WALL MOUNT		
8	2	Cover 24 in		24
9	6	MODULE BODY		
10	1	BYPASS HOOD		
12	1	OUTLET MODULE		
13	4	WEDGE WALL MOUNT_MIR		



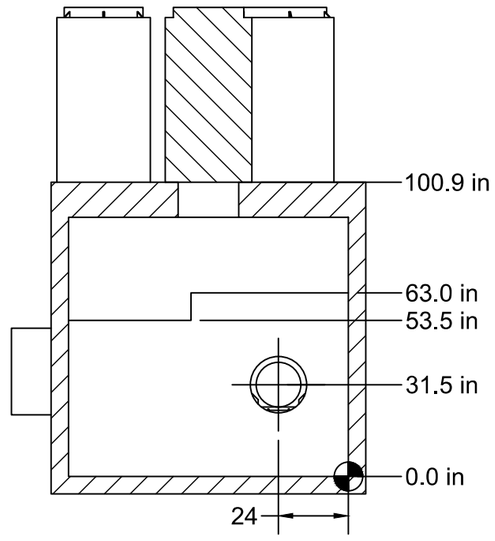
MOUNTING BRACKET
LAYOUT



PRECAST DETAIL



SECTION C-C
SCALE 1:50



SECTION D-D
SCALE 1:50

PARTS LIST			
ITEM	QTY	DESCRIPTION	SIZE (in)
1	1	PRECAST VAULT	8ft X 8ft
2	1	UFF Inlet Pipe	24
3	1	UFF Outlet Pipe	24
4	6	MODULE LID	
5	7	SUPPORT FRAME	
6	1	Cover 30 in	30
7	4	WEDGE WALL MOUNT	
8	2	Cover 24 in	24
9	6	MODULE BODY	
10	1	BYPASS HOOD	
12	1	OUTLET MODULE	
13	4	WEDGE WALL MOUNT_MIR	

2

PLAN DETAILS LEGEND

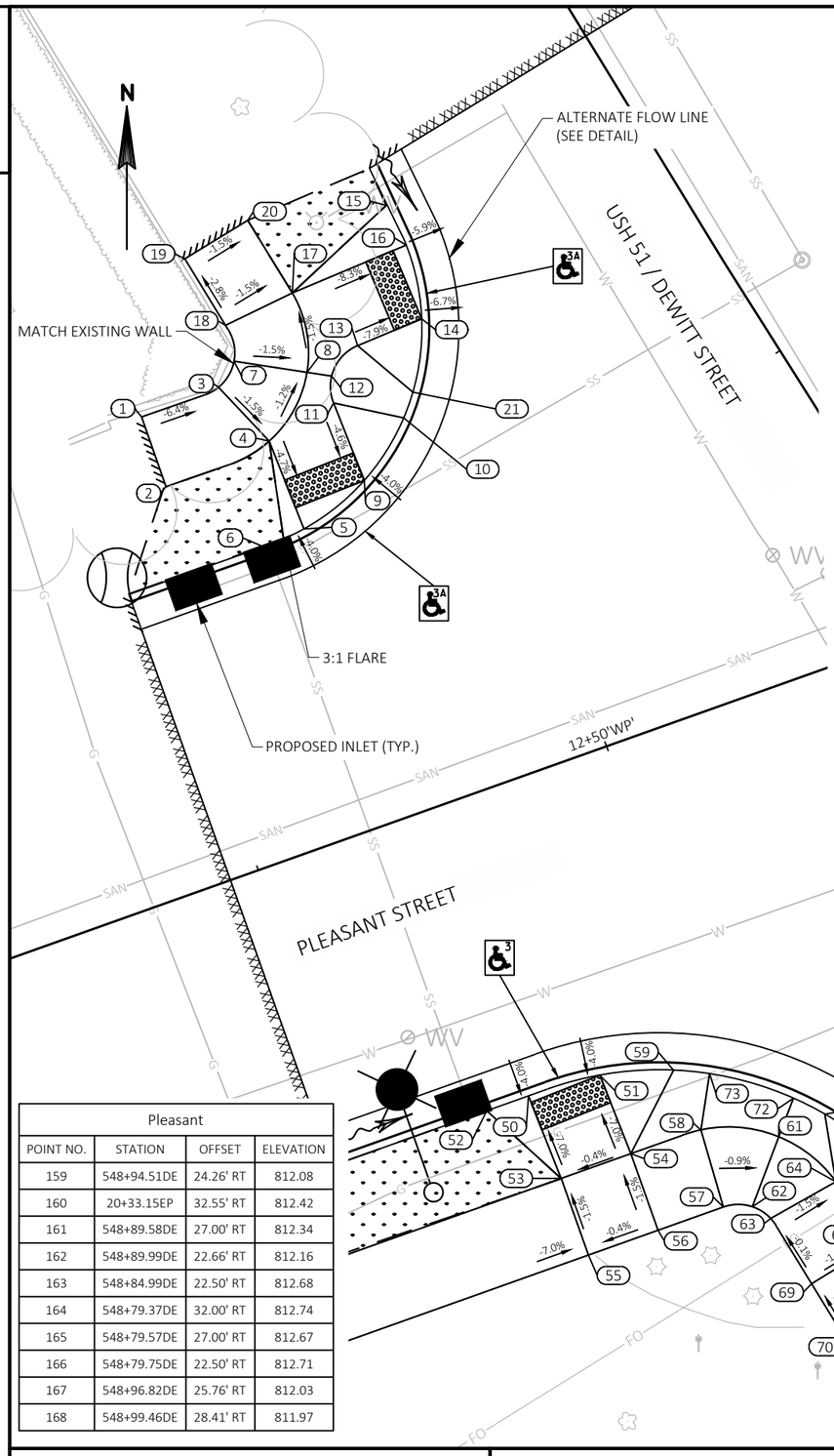
→	TRAFFIC FLOW
	CURB RAMP DETECTABLE WARNING FIELD YELLOW
R-DWF	CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW
X	CURB RAMP, TYPE X
- - - -	SLOPE INTERCEPT
CS-5	CONCRETE SIDEWALK 5-INCH
CSI	CONCRETE SAFETY ISLANDS
XXXX	SAWING ASPHALT
———	SAWING CONCRETE
XX	LAYOUT POINT NUMBER
SN-1	CONCRETE MEDIAN SLOPED NOSE (TYPE 1)
SN-2	CONCRETE MEDIAN SLOPED NOSE (TYPE 2)
BN	CONCRETE MEDIAN BLUNT NOSE
- - - -	SIDEWALK JOINT BREAK LINE
■	PROPOSED INLET
	PROPOSED MANHOLE
	PROPOSED ENDWALL

	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
BAD	BASE AGGREGATE DENSE 3/4-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CG-18	CONCRETE CURB & GUTTER 18-INCH TYPE D
CG-18R	CONCRETE CURB & GUTTER 18-INCH TYPE D (REJECT)
CG-30	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG-30J	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE J
C-PED	CONCRETE CURB PEDESTRIAN
C-REV	REVEAL CURB
MP-3	MULTI-USE PATH
	TREE GRATES
—×——×—	HISTORIC RAILING
	GRASS TERRACE

CURB RAMP DETAILS

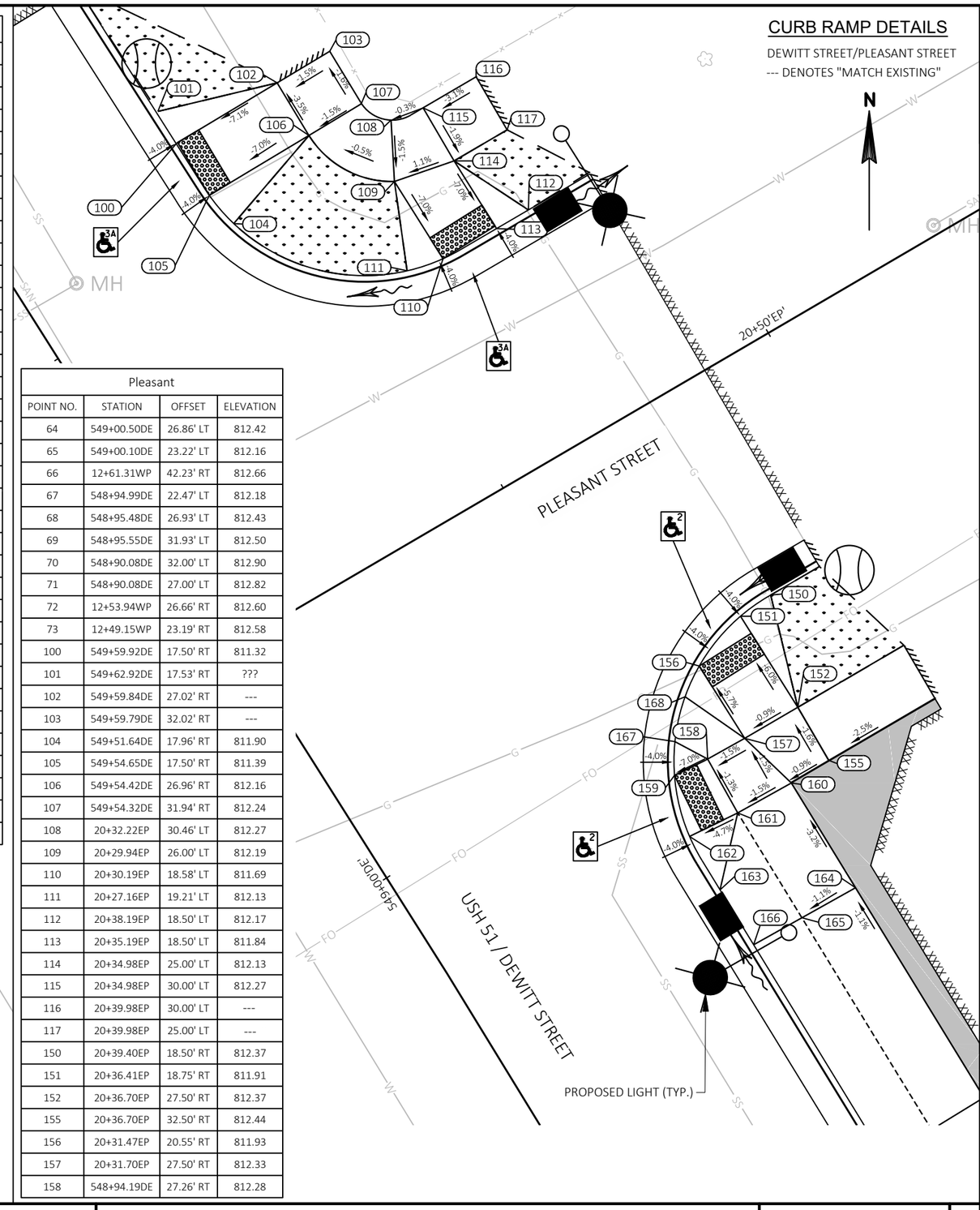
DEWITT STREET/PLEASANT STREET

--- DENOTES "MATCH EXISTING"



Pleasant			
POINT NO.	STATION	OFFSET	ELEVATION
1	12+27.83WP	31.53' LT	---
2	12+27.80WP	26.53' LT	---
3	12+33.40WP	31.67' LT	812.20
4	12+35.41WP	27.09' LT	812.12
5	12+35.64WP	20.71' LT	811.82
6	12+32.65WP	20.50' LT	812.34
7	12+34.98WP	32.98' LT	812.14
8	12+39.38WP	30.61' LT	812.06
9	12+40.58WP	22.43' LT	811.71
10	12+44.51WP	25.52' LT	812.02
11	12+40.38WP	28.06' LT	811.95
12	12+40.87WP	29.81' LT	811.95
13	12+43.21WP	31.16' LT	811.81
14	549+64.49DE	19.45' LT	811.47
15	12+48.21WP	39.45' LT	811.47
16	549+69.29DE	17.74' LT	811.26
17	549+70.55DE	26.00' LT	811.97
18	549+71.04DE	31.00' LT	812.03
19	549+76.31DE	31.00' LT	---
20	549+76.31DE	26.01' LT	---
21	12+45.68WP	26.95' LT	812.01
50	12+37.11WP	20.50' RT	812.07
51	12+42.12WP	20.80' RT	812.09
52	12+34.11WP	20.50' RT	812.54
53	12+37.32WP	26.50' RT	812.47
54	12+42.32WP	26.50' RT	812.49
55	12+37.32WP	32.00' RT	812.67
56	12+42.32WP	32.00' RT	812.69
57	12+47.01WP	32.00' RT	812.76
58	12+47.32WP	26.58' RT	812.57
59	12+46.93WP	22.15' RT	812.57
60	12+55.58WP	28.38' RT	812.61
61	12+52.13WP	28.79' RT	812.54
62	12+48.86WP	32.64' RT	812.62
63	12+49.76WP	33.80' RT	812.51

Pleasant			
POINT NO.	STATION	OFFSET	ELEVATION
159	548+94.51DE	24.26' RT	812.08
160	20+33.15EP	32.55' RT	812.42
161	548+89.58DE	27.00' RT	812.34
162	548+89.99DE	22.66' RT	812.16
163	548+84.99DE	22.50' RT	812.68
164	548+79.37DE	32.00' RT	812.74
165	548+79.57DE	27.00' RT	812.67
166	548+79.75DE	22.50' RT	812.71
167	548+96.82DE	25.76' RT	812.03
168	548+99.46DE	28.41' RT	811.97



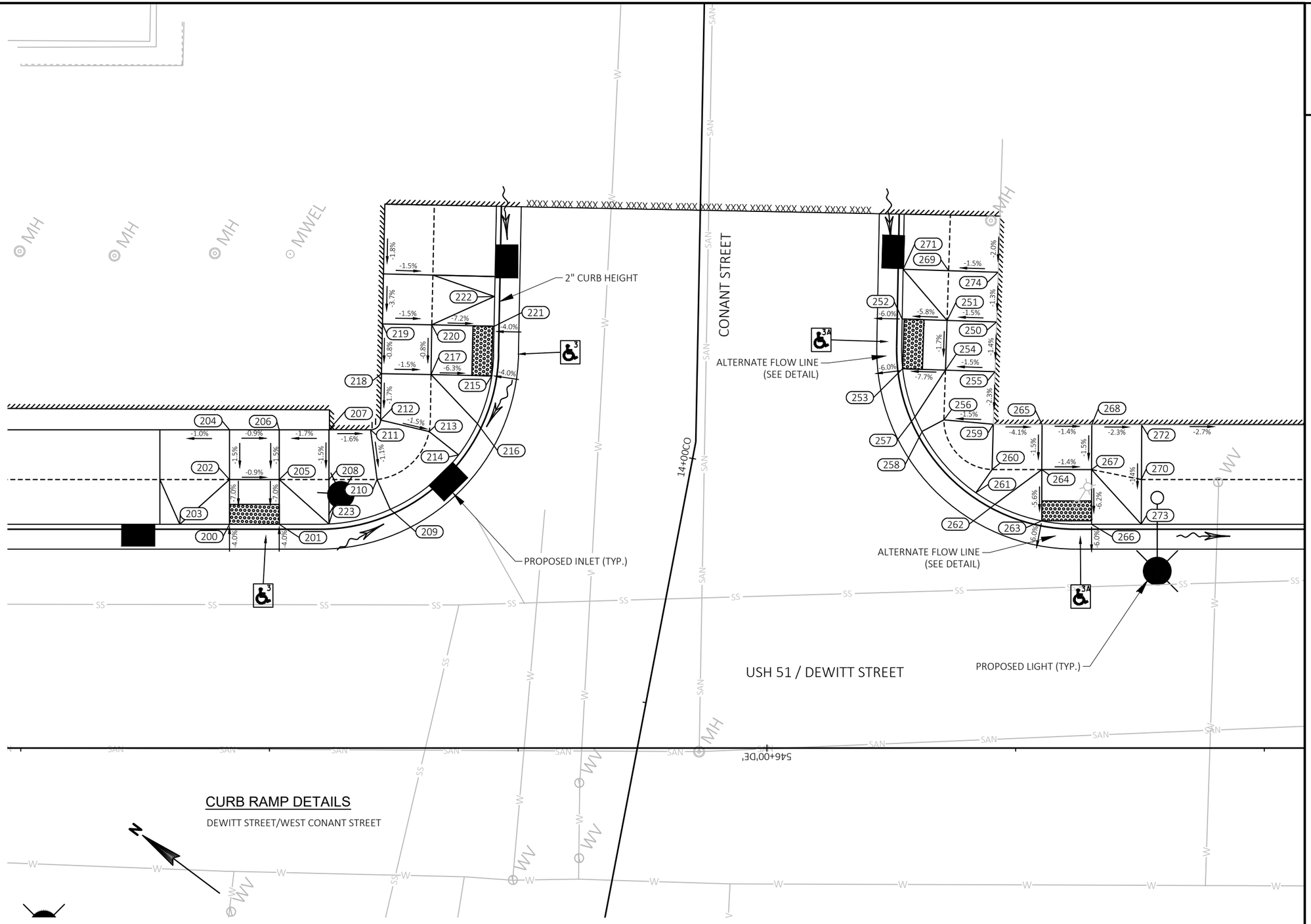
Pleasant			
POINT NO.	STATION	OFFSET	ELEVATION
64	549+00.50DE	26.86' LT	812.42
65	549+00.10DE	23.22' LT	812.16
66	12+61.31WP	42.23' RT	812.66
67	548+94.99DE	22.47' LT	812.18
68	548+95.48DE	26.93' LT	812.43
69	548+95.55DE	31.93' LT	812.50
70	548+90.08DE	32.00' LT	812.90
71	548+90.08DE	27.00' LT	812.82
72	12+53.94WP	26.66' RT	812.60
73	12+49.15WP	23.19' RT	812.58
100	549+59.92DE	17.50' RT	811.32
101	549+62.92DE	17.53' RT	???
102	549+59.84DE	27.02' RT	---
103	549+59.79DE	32.02' RT	---
104	549+51.64DE	17.96' RT	811.90
105	549+54.65DE	17.50' RT	811.39
106	549+54.42DE	26.96' RT	812.16
107	549+54.32DE	31.94' RT	812.24
108	20+32.22EP	30.46' LT	812.27
109	20+29.94EP	26.00' LT	812.19
110	20+30.19EP	18.58' LT	811.69
111	20+27.16EP	19.21' LT	812.13
112	20+38.19EP	18.50' LT	812.17
113	20+35.19EP	18.50' LT	811.84
114	20+34.98EP	25.00' LT	812.13
115	20+34.98EP	30.00' LT	812.27
116	20+39.98EP	30.00' LT	---
117	20+39.98EP	25.00' LT	---
150	20+39.40EP	18.50' RT	812.37
151	20+36.41EP	18.75' RT	811.91
152	20+36.70EP	27.50' RT	812.37
155	20+36.70EP	32.50' RT	812.44
156	20+31.47EP	20.55' RT	811.93
157	20+31.70EP	27.50' RT	812.33
158	548+94.19DE	27.26' RT	812.28

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - CURB RAMPS - PLEASANT STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CONSTRUCTION DETAILS\021001-CURB RAMPS.DWG
LAYOUT NAME - PLEASANT

PLOT DATE : 7/22/2020 12:55 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

Conant East			
POINT NO.	STATION	OFFSET	ELEVATION
200	546+54.02DE	22.50' RT	812.32
201	546+49.02DE	22.50' RT	812.27
202	546+54.02DE	27.00' RT	812.63
203	546+59.02DE	22.50' RT	812.58
204	546+54.02DE	32.00' RT	812.71
205	546+49.02DE	27.00' RT	812.59
206	546+49.02DE	32.00' RT	812.67
207	546+44.02DE	32.00' RT	812.82
208	546+44.02DE	27.00' RT	812.67
209	546+37.86DE	24.01' RT	812.55
210	546+39.19DE	27.00' RT	812.60
211	546+39.83DE	32.00' RT	812.67
212	13+97.92CO	31.54' LT	812.68
213	13+97.70CO	26.52' LT	812.59
214	546+30.99DE	29.47' RT	812.55
215	14+07.93CO	20.64' LT	812.27
216	546+29.10DE	32.63' RT	812.63
217	14+07.96CO	26.74' LT	812.69
218	14+07.94CO	31.72' LT	812.76
219	14+12.94CO	31.72' LT	812.80
220	14+12.96CO	26.76' LT	812.73
221	14+12.93CO	20.50' LT	812.29
222	546+27.39DE	45.41' RT	812.29
223	546+44.02DE	22.53' RT	812.67
250	14+14.34CO	30.00' RT	811.97
251	14+14.41CO	25.01' RT	811.90
252	14+14.46CO	20.50' RT	811.58
253	14+09.46CO	20.64' RT	811.49
254	14+09.41CO	24.95' RT	811.83
255	14+09.34CO	29.94' RT	811.90
256	14+04.40CO	24.89' RT	811.72
257	545+85.12DE	33.30' RT	811.65
258	545+84.38DE	31.85' RT	811.62
259	14+04.06CO	29.87' RT	811.62
260	545+77.36DE	28.00' RT	811.54
261	545+79.00DE	25.67' RT	811.45
262	545+77.08DE	24.50' RT	811.41
263	545+72.36DE	22.85' RT	811.03
264	545+72.36DE	28.00' RT	811.34
265	545+72.34DE	32.54' RT	811.40
266	545+67.36DE	22.50' RT	810.93
267	545+67.36DE	28.00' RT	811.27
268	545+67.34DE	32.52' RT	811.33
269	545+81.73DE	48.00' RT	811.97
270	545+62.36DE	27.00' RT	811.14
271	545+86.30DE	48.14' RT	811.94
272	545+62.34DE	32.50' RT	811.22
273	545+62.38DE	22.50' RT	811.07
274	545+76.76DE	47.84' RT	812.04



Conant West			
POINT NO.	STATION	OFFSET	ELEVATION
300	546+72.13DE	27.00' LT	812.72
301	546+72.13DE	32.00' LT	812.79
302	546+67.13DE	27.00' LT	812.66
303	546+67.13DE	32.00' LT	812.74
304	546+72.13DE	22.50' LT	812.71
305	546+67.13DE	22.50' LT	812.68
306	546+62.13DE	22.55' LT	812.17
307	546+62.13DE	27.00' LT	812.45
308	546+62.84DE	32.00' LT	812.58
309	546+58.89DE	32.64' LT	812.47
310	546+57.13DE	27.94' LT	812.39
311	546+57.13DE	23.68' LT	812.09
312	13+37.26CO	34.14' LT	812.49
313	13+34.94CO	30.65' LT	812.45
314	13+31.18CO	27.34' LT	812.42
315	546+52.40DE	31.33' LT	812.55
316	546+56.17DE	34.62' LT	812.62
317	13+25.62CO	33.71' LT	812.32
318	13+26.60CO	28.75' LT	812.17
319	13+26.64CO	25.23' LT	811.92
320	13+21.65CO	24.50' LT	811.90
321	13+21.61CO	28.00' LT	812.10
322	13+21.61CO	32.88' LT	812.17
323	13+16.61CO	32.87' LT	812.46
324	13+16.61CO	26.40' LT	812.30
325	13+16.98CO	26.29' LT	812.27
350	13+23.98CO	24.50' RT	811.81

Conant West			
POINT NO.	STATION	OFFSET	ELEVATION
351	13+28.90CO	32.24' RT	811.94
352	13+28.95CO	27.21' RT	811.87
353	13+28.99CO	24.50' RT	811.74
354	13+33.99CO	24.50' RT	811.63
355	13+33.95CO	27.28' RT	811.80
356	13+33.90CO	32.30' RT	811.88
357	13+38.90CO	32.35' RT	812.09
358	13+38.96CO	27.34' RT	812.01
359	13+38.99CO	24.55' RT	811.99
360	13+43.03CO	27.40' RT	811.94
361	13+43.70CO	25.58' RT	811.88
362	13+42.95CO	32.40' RT	812.02
363	545+86.34DE	28.00' LT	811.80
364	13+49.83CO	29.43' RT	811.71
365	545+84.91DE	23.97' LT	811.66
366	545+80.09DE	22.64' LT	811.11
367	545+80.09DE	28.00' LT	811.50
368	545+80.22DE	33.16' LT	???
369	545+75.09DE	22.50' LT	811.01
370	545+75.09DE	28.00' LT	811.40
371	545+75.22DE	33.18' LT	???
372	545+69.95DE	22.50' LT	811.38
373	545+70.06DE	27.00' LT	811.45
374	545+70.22DE	33.16' LT	???

USH 51 / DEWITT STREET

PROPOSED INLET (TYP.)

PROPOSED TREE GRATE (TYP.)

CONANT STREET

CURB RAMP DETAILS

DEWITT STREET/EAST CONANT STREET

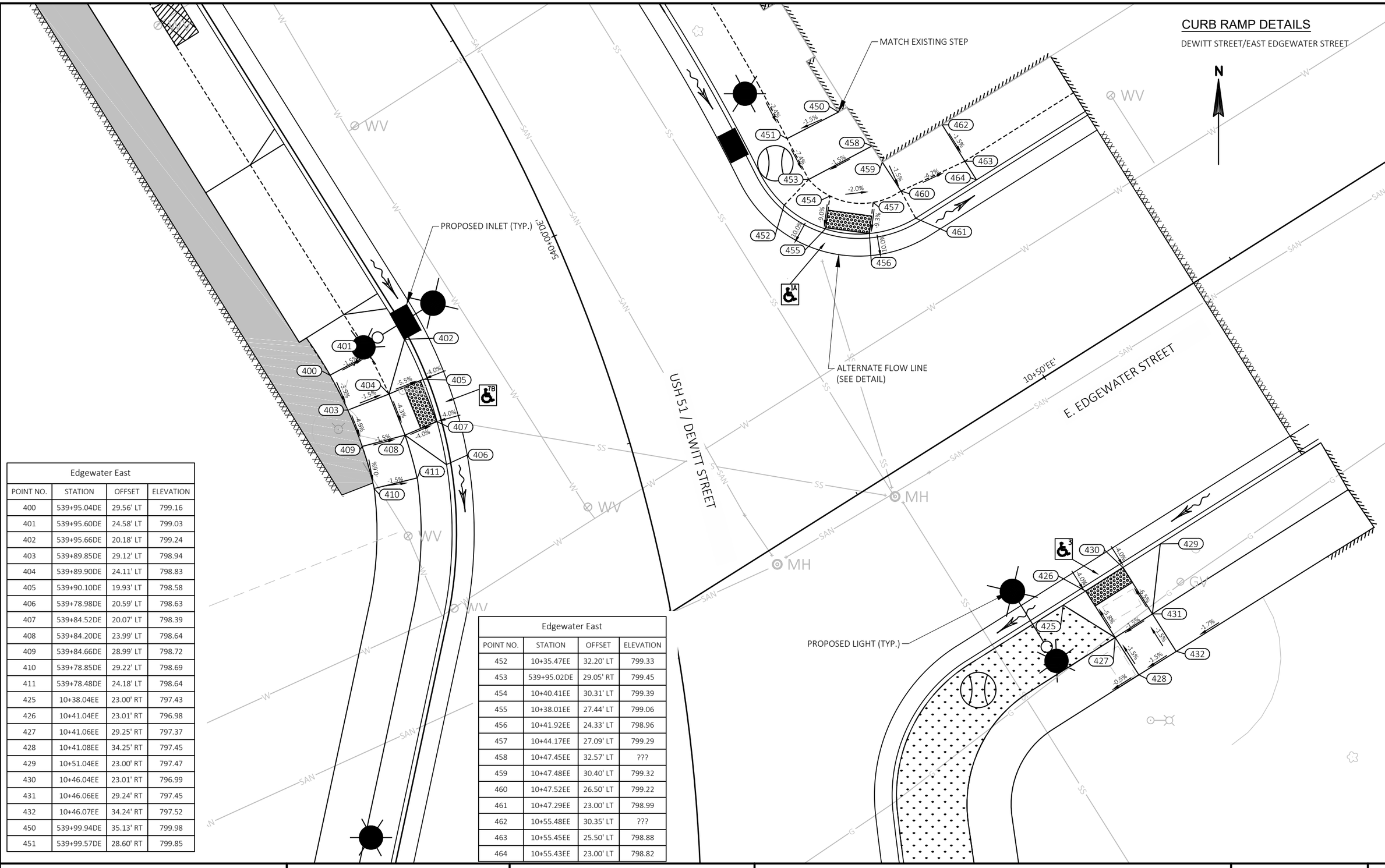
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - CURB RAMPS - CONANT STREET WEST	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CONSTRUCTION DETAILS\021001-CURB RAMPS.DWG
LAYOUT NAME - CONANT WEST

PLOT DATE : 7/22/2020 12:56 PM PLOT BY : KL ENGINEERING PLOT NAME :

CURB RAMP DETAILS

DEWITT STREET/EAST EDGEWATER STREET



Edgewater East			
POINT NO.	STATION	OFFSET	ELEVATION
400	539+95.04DE	29.56' LT	799.16
401	539+95.60DE	24.58' LT	799.03
402	539+95.66DE	20.18' LT	799.24
403	539+89.85DE	29.12' LT	798.94
404	539+89.90DE	24.11' LT	798.83
405	539+90.10DE	19.93' LT	798.58
406	539+78.98DE	20.59' LT	798.63
407	539+84.52DE	20.07' LT	798.39
408	539+84.20DE	23.99' LT	798.64
409	539+84.66DE	28.99' LT	798.72
410	539+78.85DE	29.22' LT	798.69
411	539+78.48DE	24.18' LT	798.64
425	10+38.04EE	23.00' RT	797.43
426	10+41.04EE	23.01' RT	796.98
427	10+41.06EE	29.25' RT	797.37
428	10+41.08EE	34.25' RT	797.45
429	10+51.04EE	23.00' RT	797.47
430	10+46.04EE	23.01' RT	796.99
431	10+46.06EE	29.24' RT	797.45
432	10+46.07EE	34.24' RT	797.52
450	539+99.94DE	35.13' RT	799.98
451	539+99.57DE	28.60' RT	799.85

Edgewater East			
POINT NO.	STATION	OFFSET	ELEVATION
452	10+35.47EE	32.20' LT	799.33
453	539+95.02DE	29.05' RT	799.45
454	10+40.41EE	30.31' LT	799.39
455	10+38.01EE	27.44' LT	799.06
456	10+41.92EE	24.33' LT	798.96
457	10+44.17EE	27.09' LT	799.29
458	10+47.45EE	32.57' LT	???
459	10+47.48EE	30.40' LT	799.32
460	10+47.52EE	26.50' LT	799.22
461	10+47.29EE	23.00' LT	798.99
462	10+55.48EE	30.35' LT	???
463	10+55.45EE	25.50' LT	798.88
464	10+55.43EE	23.00' LT	798.82

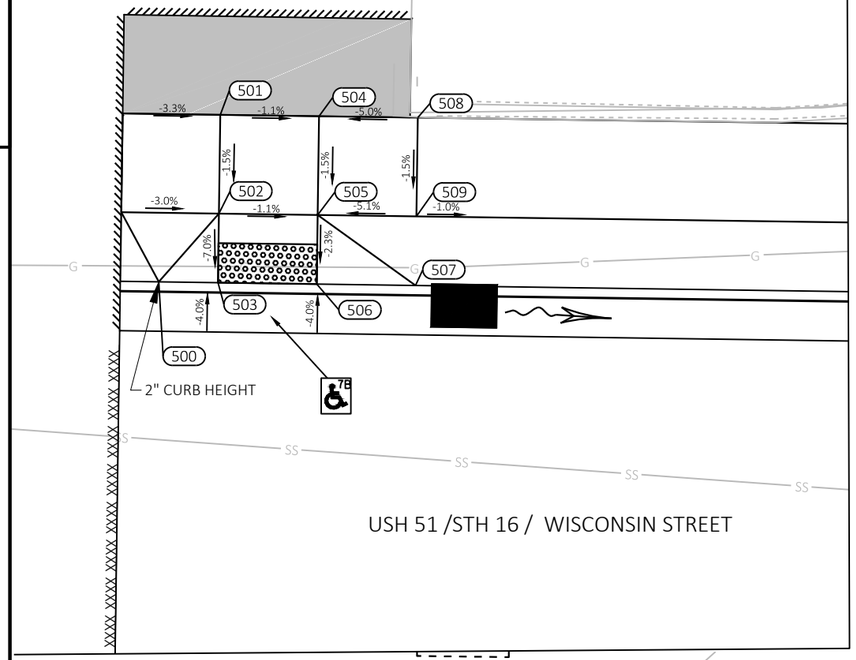
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - CURB RAMPS - E. EDGEWATER STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CONSTRUCTION DETAILS\021001-CURB RAMPS.DWG
LAYOUT NAME - EDGEWATER EAST

PLOT DATE : 7/22/2020 12:56 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

CURB RAMP DETAILS

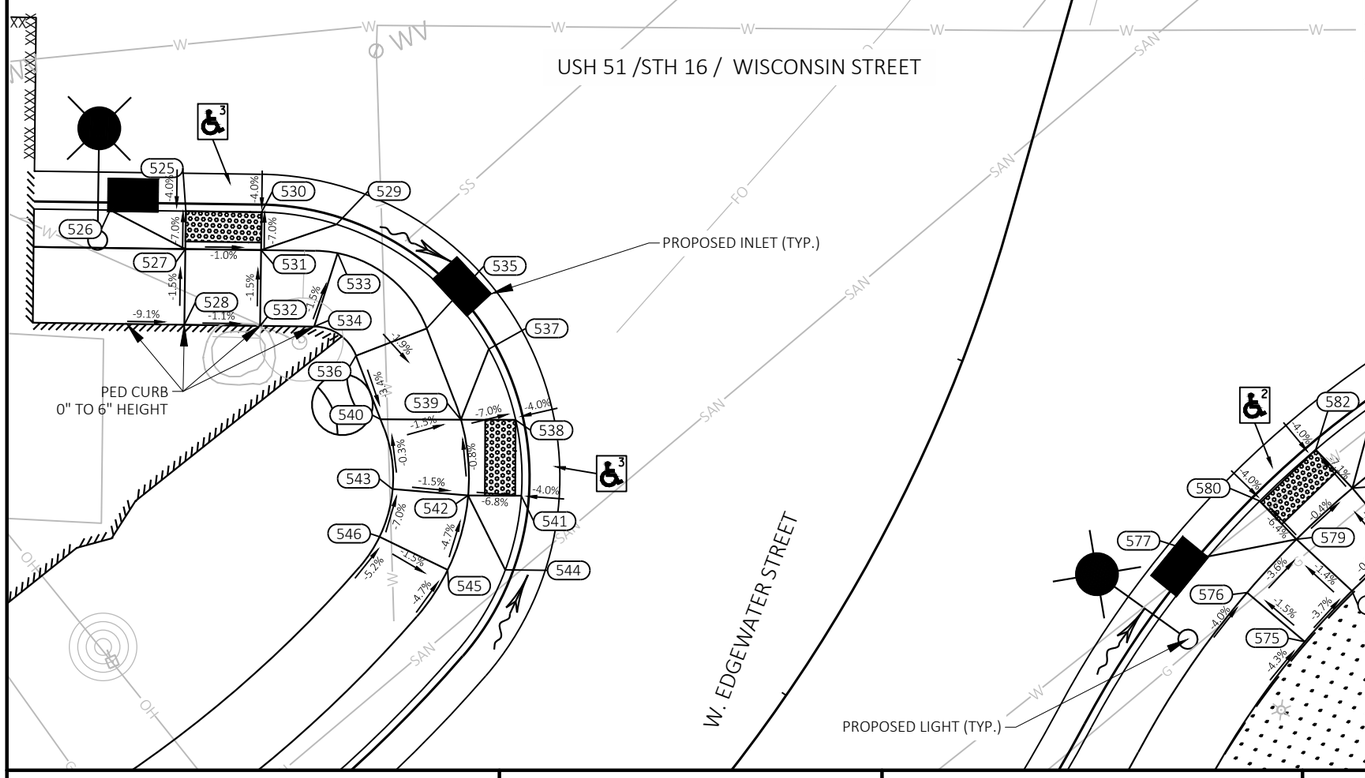
WISCONSIN STREET/WEST EDGEWATER STREET

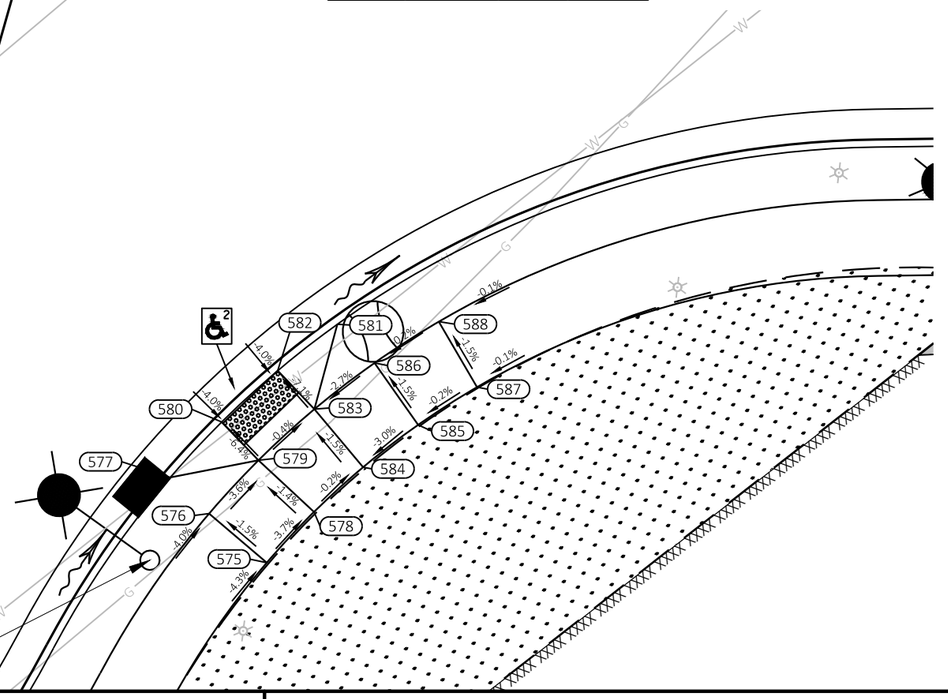




Edgewater West			
POINT NO.	STATION	OFFSET	ELEVATION
500	100+39.52WI	24.50' LT	796.76
501	100+42.52WI	33.00' LT	796.65
502	100+42.52WI	28.00' LT	796.57
503	100+42.52WI	24.50' LT	796.32
504	100+47.52WI	33.00' LT	796.59
505	100+47.52WI	28.00' LT	796.51
506	100+47.52WI	24.50' LT	796.27
507	100+52.52WI	24.50' LT	796.68
508	100+52.52WI	33.00' LT	796.84
509	100+52.52WI	28.00' LT	796.76
525	12+32.42WE	50.61' LT	796.32
526	12+27.33WE	54.90' LT	796.85
527	12+28.39WE	49.33' LT	796.50
528	12+20.87WE	46.54' LT	796.57
529	12+39.42WE	41.47' LT	796.67
530	12+36.78WE	46.22' LT	796.27
531	12+32.95WE	45.03' LT	796.44
532	12+25.73WE	42.42' LT	796.52
533	12+36.75WE	40.52' LT	796.65
534	12+28.83WE	39.41' LT	796.68
535	12+34.44WE	32.97' LT	796.60
536	12+28.62WE	36.05' LT	796.68
537	12+35.57WE	28.74' LT	796.58
538	12+31.35WE	24.87' LT	796.16
539	12+28.84WE	27.95' LT	796.39
540	12+24.79WE	32.38' LT	796.53

Edgewater West			
POINT NO.	STATION	OFFSET	ELEVATION
541	12+26.20WE	21.87' LT	796.19
542	12+23.68WE	24.77' LT	796.43
543	12+20.21WE	29.04' LT	796.51
544	12+20.49WE	19.90' LT	796.68
545	12+17.59WE	22.91' LT	796.67
546	12+16.11WE	27.78' LT	796.75
575	12+42.74WE	28.05' RT	795.90
576	12+43.84WE	23.24' RT	795.83
577	12+44.77WE	19.92' RT	795.91
578	12+46.16WE	29.53' RT	795.73
579	12+47.53WE	24.83' RT	795.66
580	12+48.71WE	21.64' RT	795.44
581	12+55.78WE	26.62' RT	795.79
582	12+52.39WE	23.89' RT	795.40
583	12+51.15WE	27.04' RT	795.66
584	12+49.24WE	31.41' RT	795.73
585	12+52.23WE	33.82' RT	795.87
586	12+54.47WE	29.75' RT	795.80
587	12+54.96WE	36.67' RT	795.88
588	12+57.48WE	32.95' RT	795.80





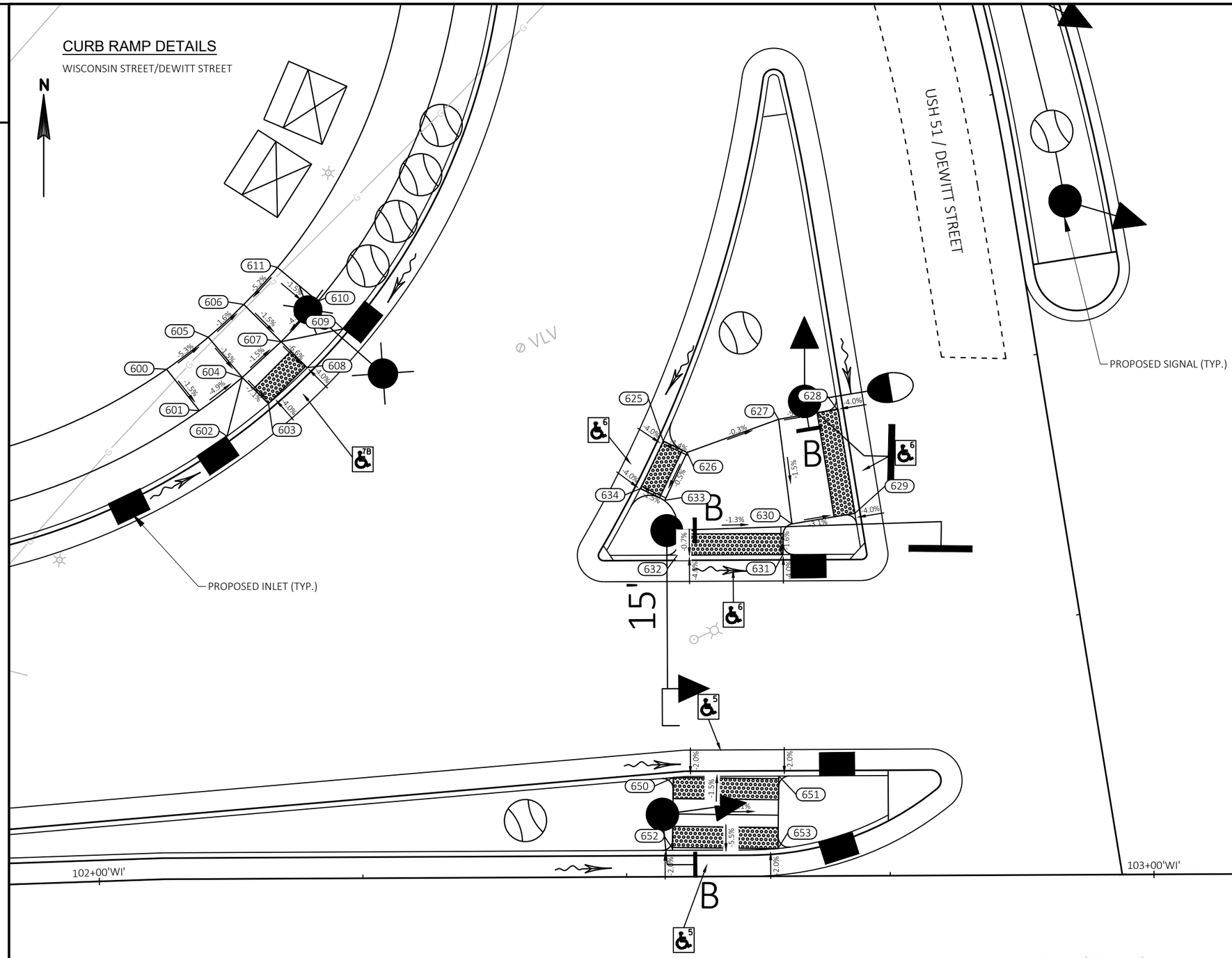
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - CURB RAMPS - W. EDGEWATER STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CONSTRUCTION DETAILS\021001-CURB RAMPS.DWG
LAYOUT NAME - EDGEWATER WEST

PLOT DATE : 7/22/2020 12:57 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

CURB RAMP DETAILS

WISCONSIN STREET/DEWITT STREET



WIS-1			
POINT NO.	STATION	OFFSET	ELEVATION
600	102+06.62WI	48.37' LT	794.99
601	102+09.70WI	44.42' LT	794.90
602	102+12.32WI	41.99' LT	794.94
603	102+16.26WI	45.06' LT	794.40
604	102+13.79WI	47.55' LT	794.65
605	102+10.58WI	51.39' LT	794.73
606	102+13.96WI	54.47' LT	794.65
607	102+17.49WI	50.92' LT	794.58
608	102+19.95WI	48.45' LT	794.35
609	102+23.36WI	52.10' LT	794.78
610	102+21.00WI	54.73' LT	794.83
611	102+17.18WI	57.96' LT	794.90
625	538+47.60DE	36.33' LT	794.54
626	538+46.16DE	34.27' LT	794.57
627	538+47.87DE	25.20' LT	794.55
628	538+47.91DE	19.56' LT	794.26
629	538+37.91DE	19.50' LT	794.21
630	538+37.87DE	25.55' LT	794.39
631	102+64.97WI	30.50' LT	794.26
632	102+54.96WI	30.50' LT	794.44
633	538+42.03DE	37.08' LT	794.55
634	538+43.50DE	39.19' LT	794.91
650	102+54.47WI	9.40' LT	794.84
651	102+64.47WI	9.50' LT	794.50
652	102+54.36WI	2.66' LT	794.48
653	102+64.36WI	2.61' LT	794.36

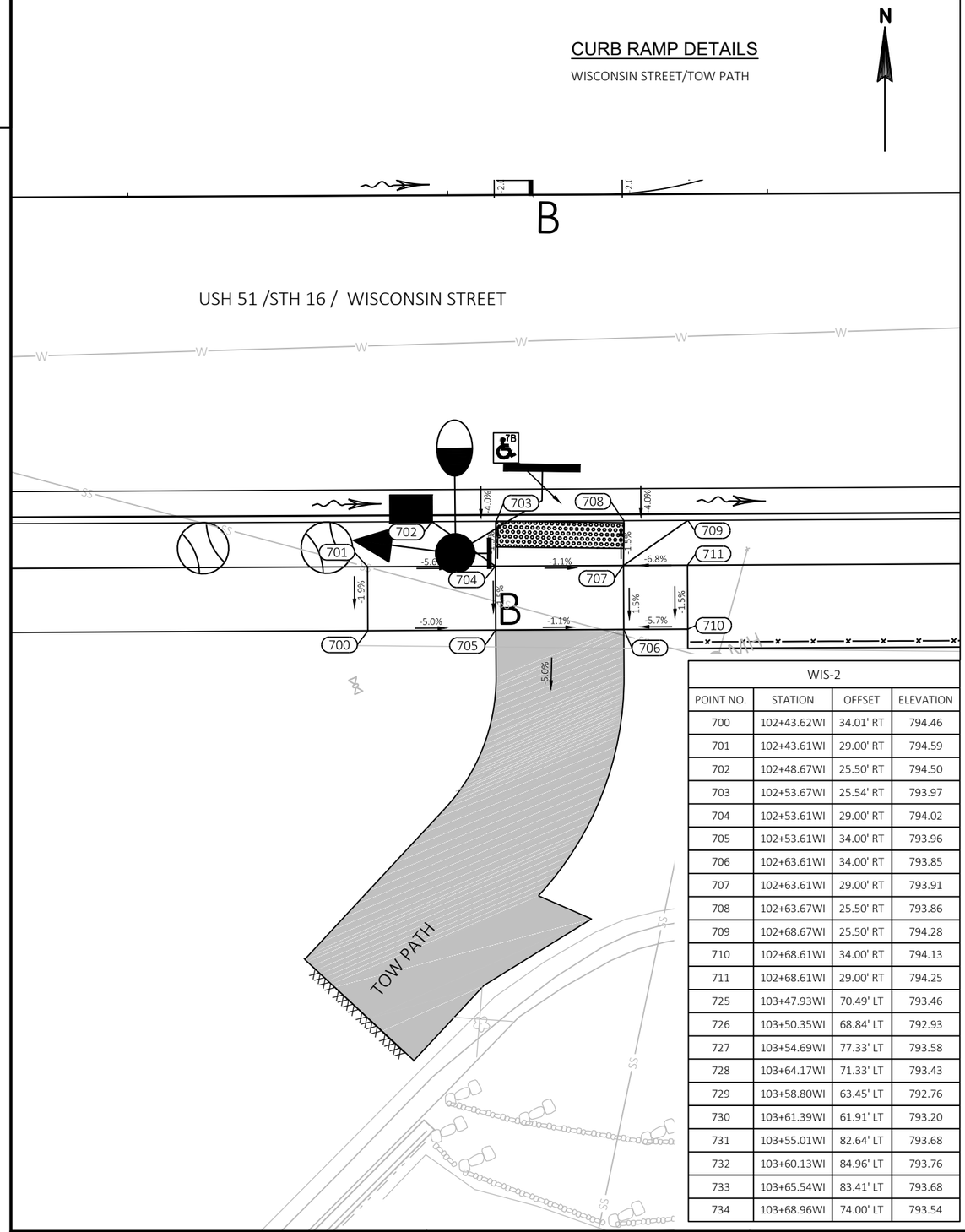
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - CURB RAMPS - WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CONSTRUCTION DETAILS\021001-CURB RAMPS.DWG
LAYOUT NAME - WIS-1

PLOT DATE : 7/22/2020 12:57 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

CURB RAMP DETAILS

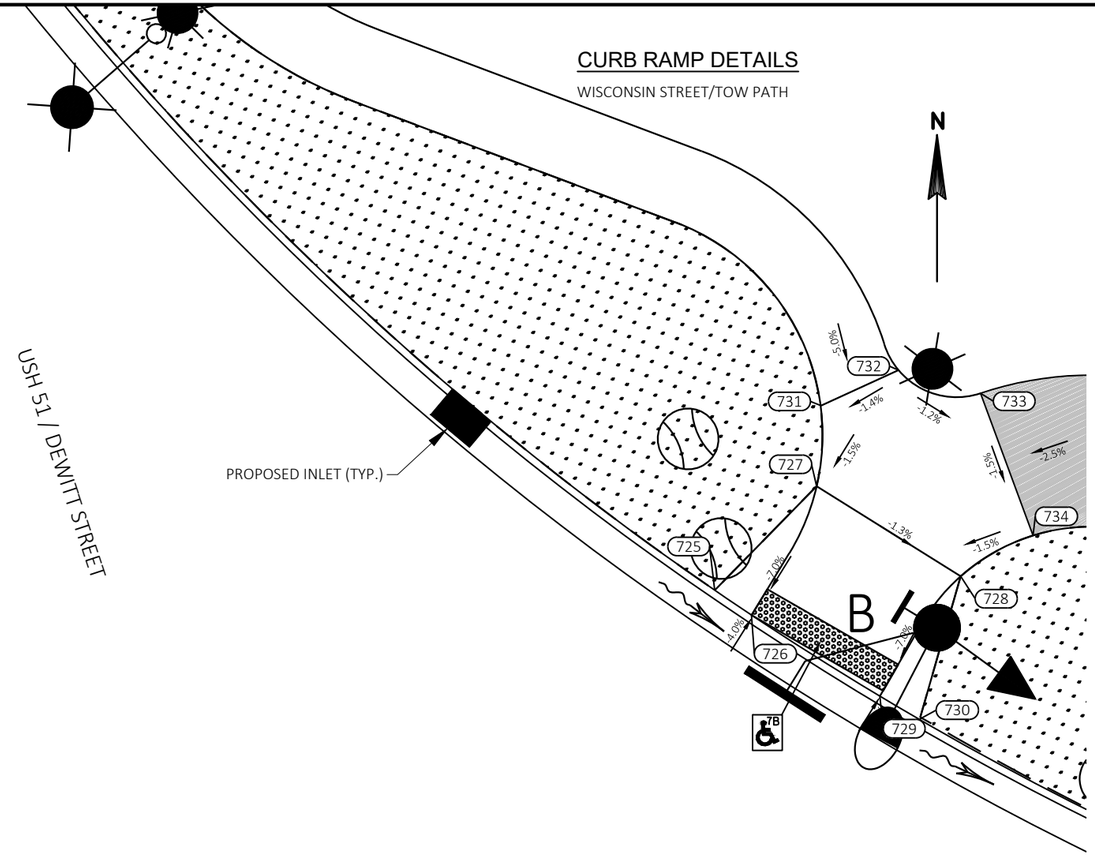
WISCONSIN STREET/TOW PATH

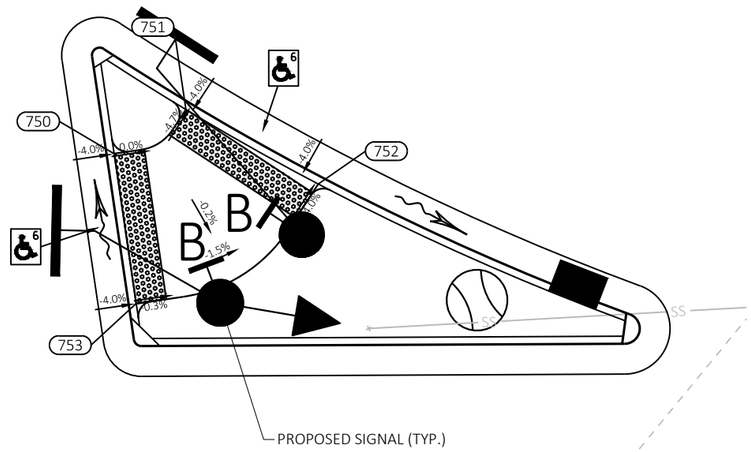


WIS-2			
POINT NO.	STATION	OFFSET	ELEVATION
700	102+43.62WI	34.01' RT	794.46
701	102+43.61WI	29.00' RT	794.59
702	102+48.67WI	25.50' RT	794.50
703	102+53.67WI	25.54' RT	793.97
704	102+53.61WI	29.00' RT	794.02
705	102+53.61WI	34.00' RT	793.96
706	102+63.61WI	34.00' RT	793.85
707	102+63.61WI	29.00' RT	793.91
708	102+63.67WI	25.50' RT	793.86
709	102+68.67WI	25.50' RT	794.28
710	102+68.61WI	34.00' RT	794.13
711	102+68.61WI	29.00' RT	794.25
725	103+47.93WI	70.49' LT	793.46
726	103+50.35WI	68.84' LT	792.93
727	103+54.69WI	77.33' LT	793.58
728	103+64.17WI	71.33' LT	793.43
729	103+58.80WI	63.45' LT	792.76
730	103+61.39WI	61.91' LT	793.20
731	103+55.01WI	82.64' LT	793.68
732	103+60.13WI	84.96' LT	793.76
733	103+65.54WI	83.41' LT	793.68
734	103+68.96WI	74.00' LT	793.54

CURB RAMP DETAILS

WISCONSIN STREET/TOW PATH





WIS-2			
POINT NO.	STATION	OFFSET	ELEVATION
750	103+30.60WI	42.71' LT	793.45
751	103+35.35WI	45.59' LT	793.33
752	103+44.06WI	40.64' LT	793.22
753	103+32.00WI	32.81' LT	793.49

USH 51 /STH 16 / WISCONSIN STREET

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - CURB RAMPS - WISCONSIN STREET	SHEET 42	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CONSTRUCTION DETAILS\021001-CURB RAMPS.DWG
LAYOUT NAME - WIS-2
PLOT DATE : 7/22/2020 12:58 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

USH 51 /STH 16 / WISCONSIN STREET

105+00'WI'

PROPOSED INLET (TYP.)

11+00'WR'

WARRENS STREET

Warrens			
POINT NO.	STATION	OFFSET	ELEVATION
800	104+80.63WI	30.54' RT	792.37
801	104+79.32WI	35.39' RT	792.42
802	11+01.94WR	36.32' LT	792.08
803	11+05.94WR	33.32' LT	792.01
804	10+98.19WR	32.56' LT	791.75
805	11+01.20WR	28.57' LT	791.67
806	10+99.98WR	23.62' LT	791.73
807	10+93.57WR	30.00' LT	791.41
808	10+95.36WR	25.33' LT	791.34
809	10+95.39WR	21.63' LT	791.16
810	10+89.63WR	28.95' LT	791.34
811	10+90.39WR	24.01' LT	791.26
812	10+90.41WR	20.48' LT	791.08
813	10+84.45WR	28.41' LT	791.53
814	10+85.41WR	20.20' LT	791.36
850	11+00.38WR	29.06' RT	791.61
851	10+95.80WR	27.06' RT	791.04
852	10+95.87WR	34.96' RT	791.60
853	10+90.79WR	25.90' RT	790.96
854	10+90.87WR	35.00' RT	791.57
855	10+85.85WR	25.12' RT	791.30

CURB RAMP DETAILS

WISCONSIN STREET/WARRENS STREET

N

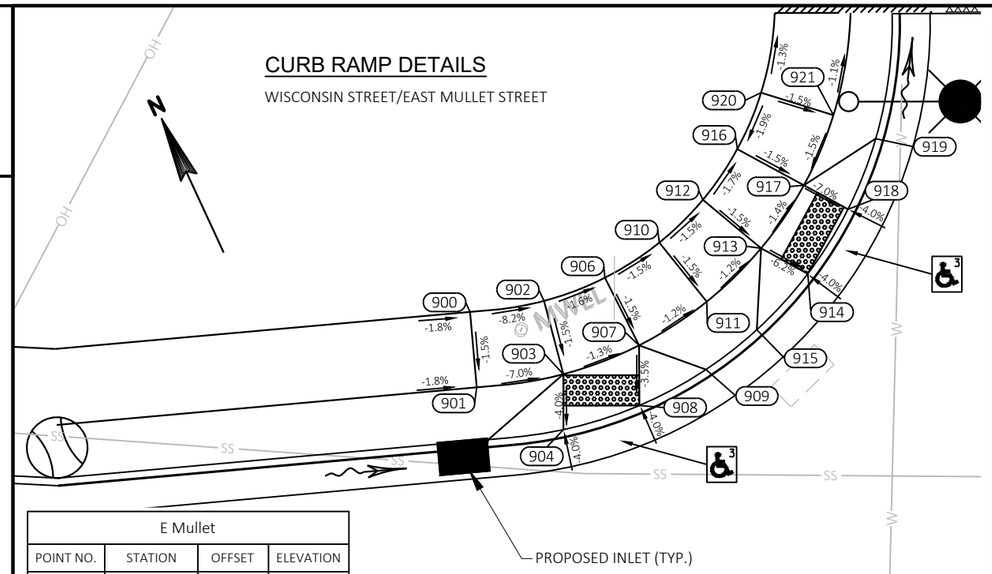
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - CURB RAMPS - WARRENS STREET	SHEET 43	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CONSTRUCTION DETAILS\021001-CURB RAMPS.DWG
LAYOUT NAME - WARRENS

PLOT DATE : 7/22/2020 12:59 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

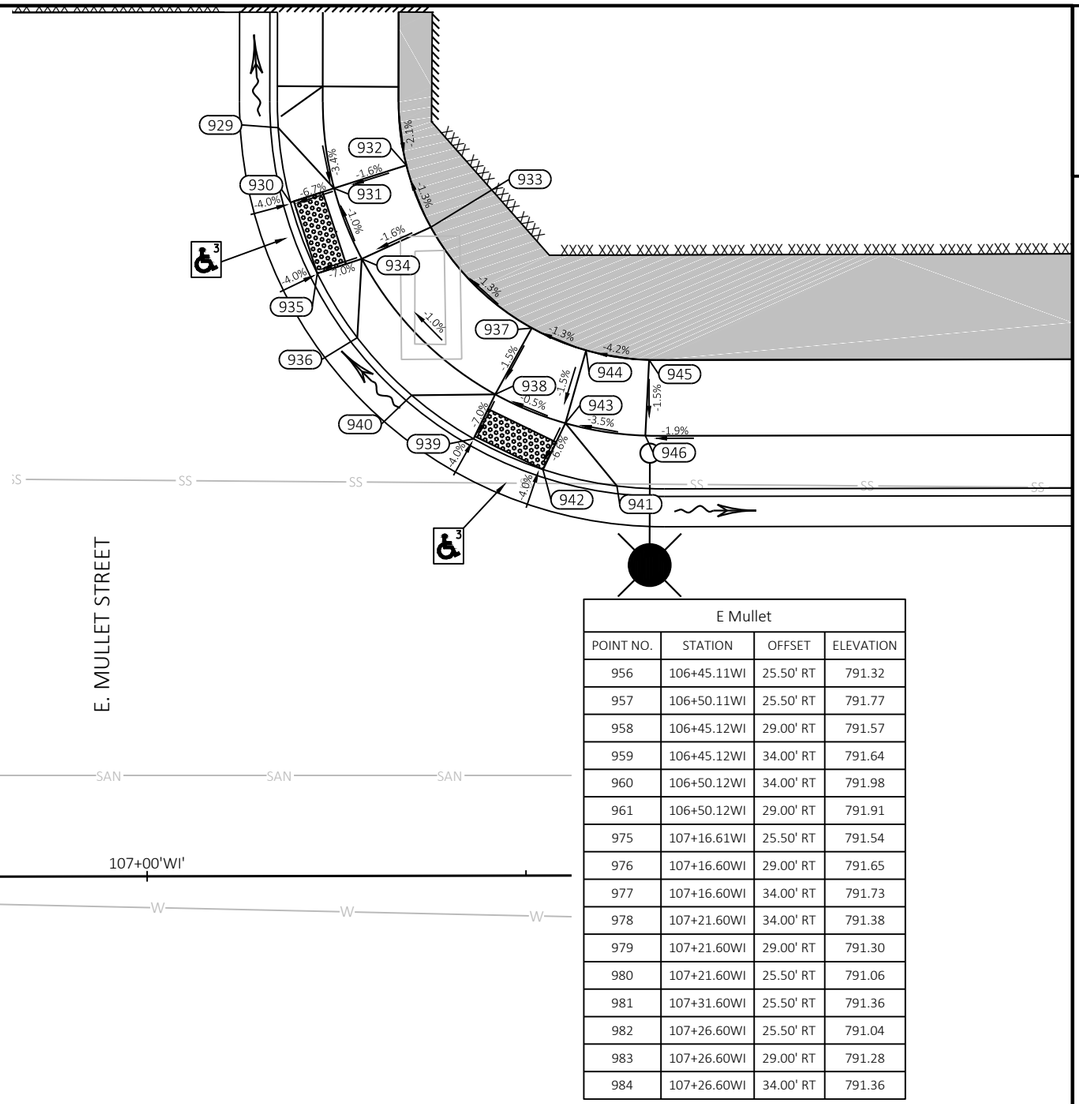
CURB RAMP DETAILS

WISCONSIN STREET/EAST MULLET STREET



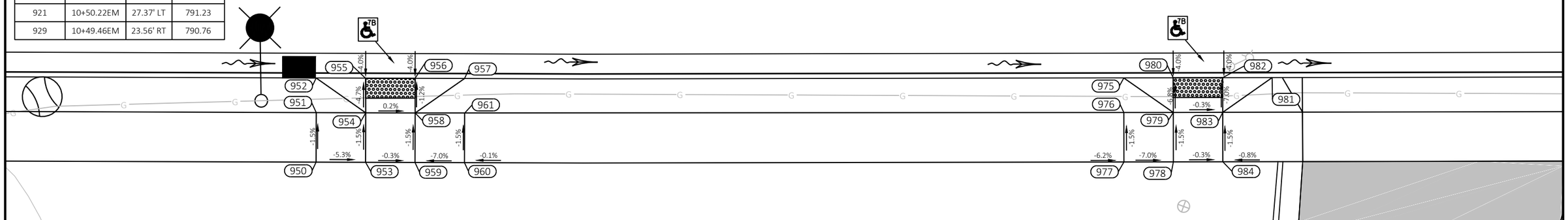
E Mullet			
POINT NO.	STATION	OFFSET	ELEVATION
900	106+33.60WI	37.21' LT	791.89
901	106+34.06WI	32.24' LT	791.81
902	106+38.48WI	37.95' LT	791.49
903	106+39.78WI	33.13' LT	791.41
904	106+39.80WI	29.47' LT	791.24
905	10+28.78EM	50.11' LT	791.74
906	106+42.49WI	39.50' LT	791.41
907	106+44.77WI	35.05' LT	791.34
908	106+44.79WI	31.07' LT	791.20
909	10+33.42EM	35.76' LT	791.60
910	106+46.07WI	41.83' LT	791.35
911	106+49.22WI	37.95' LT	791.28
912	10+44.62EM	35.97' LT	791.29
913	10+41.42EM	32.13' LT	791.22
914	10+39.75EM	29.04' LT	791.00
915	10+36.05EM	32.41' LT	791.54
916	10+47.97EM	33.71' LT	791.23
917	10+45.58EM	29.31' LT	791.15
918	10+44.01EM	26.40' LT	790.93
919	10+48.67EM	24.58' LT	791.33
920	10+51.69EM	32.15' LT	791.30
921	10+50.22EM	27.37' LT	791.23
929	10+49.46EM	23.56' RT	790.76

E Mullet			
POINT NO.	STATION	OFFSET	ELEVATION
930	10+44.53EM	24.38' RT	790.82
931	10+45.47EM	27.25' RT	791.00
932	10+46.98EM	32.02' RT	791.08
933	10+42.91EM	33.63' RT	791.13
934	10+40.81EM	29.09' RT	791.05
935	10+39.85EM	26.15' RT	790.83
936	10+35.61EM	28.79' RT	791.34
937	107+25.45WI	36.13' LT	791.25
938	107+23.03WI	31.75' LT	791.18
939	107+21.60WI	28.83' LT	790.96
940	10+31.82EM	32.39' RT	791.38
941	10+25.85EM	45.94' RT	791.48
942	107+26.17WI	26.79' LT	790.99
943	107+27.66WI	29.84' LT	791.20
944	107+29.03WI	34.65' LT	791.33
945	107+33.19WI	34.01' LT	791.53
946	107+32.93WI	29.01' LT	791.44
950	106+35.12WI	34.00' RT	791.92
951	106+35.12WI	29.00' RT	791.85
952	106+35.11WI	25.50' RT	791.82
953	106+40.12WI	34.00' RT	791.66
954	106+40.12WI	29.00' RT	791.58
955	106+40.11WI	25.52' RT	791.34



E Mullet			
POINT NO.	STATION	OFFSET	ELEVATION
956	106+45.11WI	25.50' RT	791.32
957	106+50.11WI	25.50' RT	791.77
958	106+45.12WI	29.00' RT	791.57
959	106+45.12WI	34.00' RT	791.64
960	106+50.12WI	34.00' RT	791.98
961	106+50.12WI	29.00' RT	791.91
975	107+16.61WI	25.50' RT	791.54
976	107+16.60WI	29.00' RT	791.65
977	107+16.60WI	34.00' RT	791.73
978	107+21.60WI	34.00' RT	791.38
979	107+21.60WI	29.00' RT	791.30
980	107+21.60WI	25.50' RT	791.06
981	107+31.60WI	25.50' RT	791.36
982	107+26.60WI	29.00' RT	791.04
983	107+26.60WI	34.00' RT	791.28
984	107+26.60WI	34.00' RT	791.36

USH 51 /STH 16 / WISCONSIN STREET



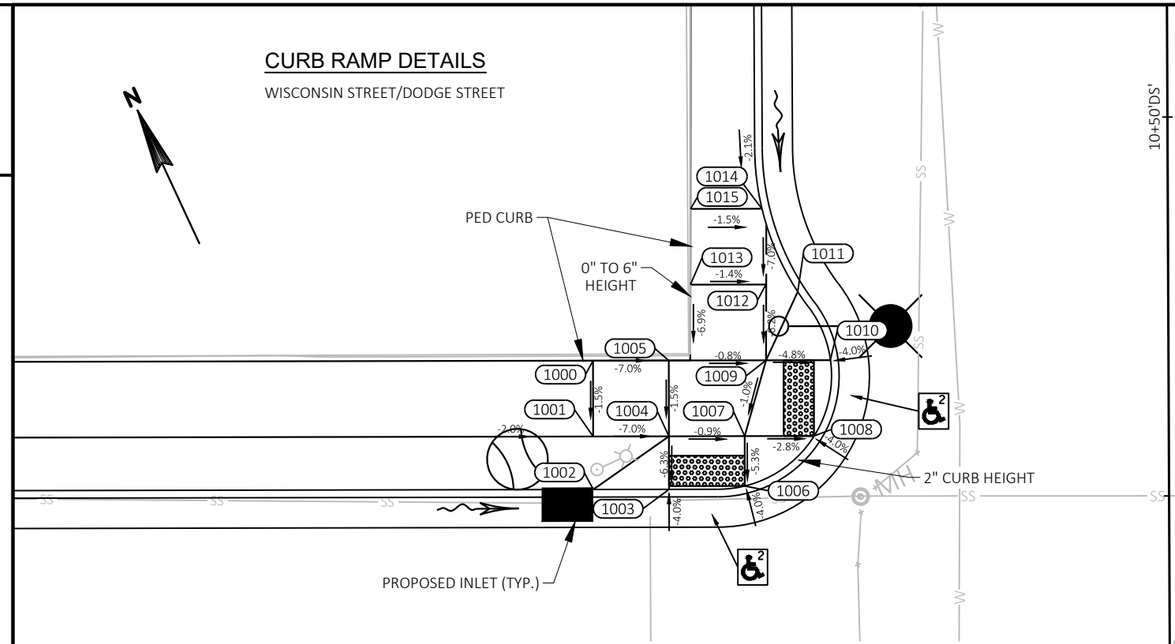
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - CURB RAMPS - E. MULLET STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CONSTRUCTION DETAILS\021001-CURB RAMPS.DWG
LAYOUT NAME - E MULLET

PLOT DATE : 7/22/2020 12:59 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

CURB RAMP DETAILS

WISCONSIN STREET/DODGE STREET

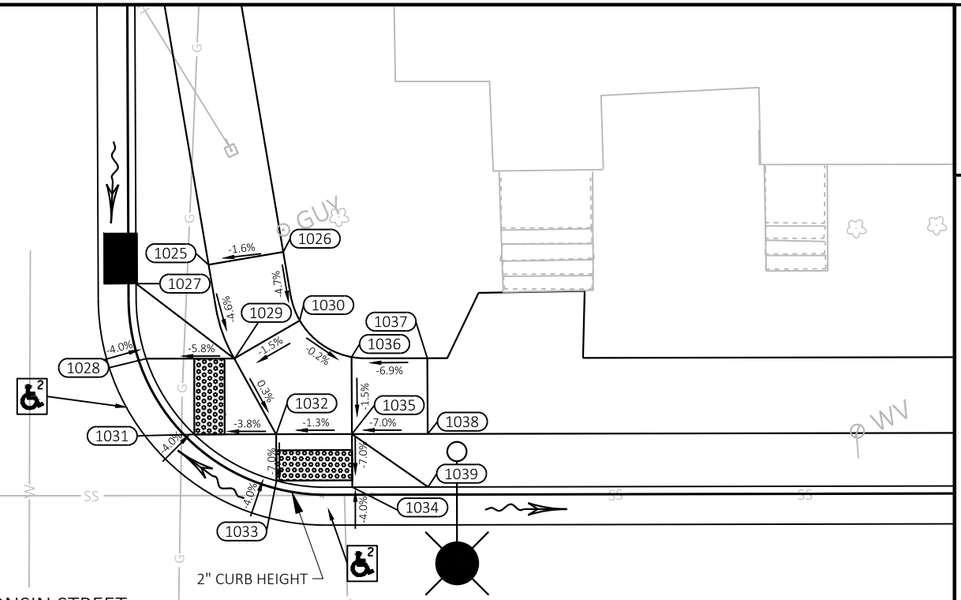


DODGE STREET

10+50'DS'

109+00'WI'

USH 51 /STH 16 / WISCONSIN STREET

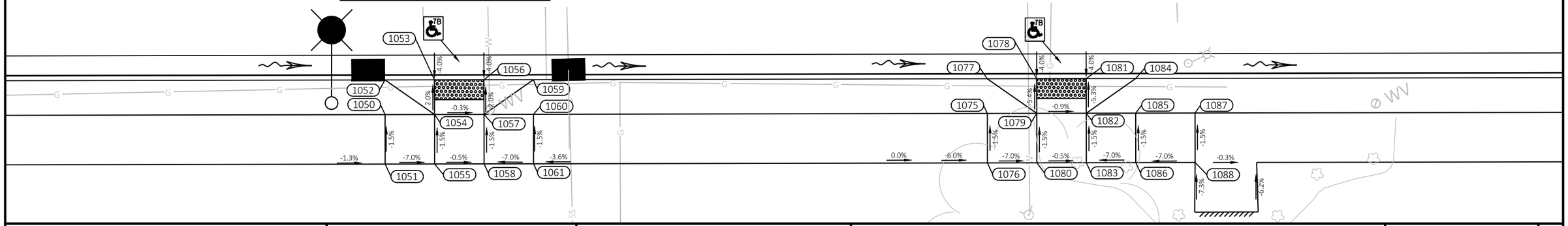


Dodge			
POINT NO.	STATION	OFFSET	ELEVATION
1000	108+62.39WI	34.00' LT	791.22
1001	108+62.39WI	29.00' LT	791.15
1002	108+62.39WI	25.50' LT	791.04
1003	108+67.39WI	25.50' LT	790.58
1004	108+67.39WI	29.00' LT	790.81
1005	108+67.39WI	34.00' LT	790.88
1006	108+72.39WI	25.71' LT	790.57
1007	108+72.39WI	29.00' LT	790.76
1008	10+29.06DS	23.42' LT	790.63
1009	10+34.07DS	26.56' LT	790.83
1010	10+34.06DS	22.31' LT	790.70
1011	10+38.58DS	24.45' LT	791.30
1012	10+39.07DS	26.54' LT	791.15
1013	10+39.08DS	31.52' LT	791.22
1014	10+44.07DS	26.79' LT	791.42

Dodge			
POINT NO.	STATION	OFFSET	ELEVATION
1015	10+44.08DS	31.49' LT	791.51
1025	10+40.12DS	32.04' RT	790.76
1026	10+40.93DS	36.97' RT	790.85
1027	10+38.89DS	27.25' RT	790.68
1028	10+33.93DS	27.90' RT	790.23
1029	10+33.89DS	33.72' RT	790.46
1030	10+36.41DS	38.04' RT	790.66
1031	10+28.92DS	31.05' RT	790.26
1032	109+36.83WI	29.00' LT	790.48
1033	109+36.85WI	25.93' LT	790.28
1034	109+41.85WI	25.50' LT	790.30
1035	109+41.83WI	29.00' LT	790.55
1036	109+41.81WI	34.09' LT	790.62
1037	109+46.81WI	34.00' LT	790.92
1038	109+46.83WI	29.00' LT	790.85

Dodge			
POINT NO.	STATION	OFFSET	ELEVATION
1039	10+25.38DS	46.46' RT	790.74
1050	108+62.39WI	29.00' RT	791.14
1051	108+62.39WI	34.00' RT	791.22
1052	108+62.39WI	25.50' RT	791.04
1053	108+67.39WI	25.50' RT	790.55
1054	108+67.39WI	29.00' RT	790.80
1055	108+67.39WI	34.00' RT	790.87
1056	108+72.39WI	25.50' RT	790.53
1057	108+72.39WI	29.00' RT	790.78
1058	108+72.39WI	34.00' RT	790.85
1059	108+77.39WI	25.50' RT	790.98
1060	108+77.39WI	29.00' RT	791.13
1061	108+77.39WI	34.00' RT	791.20
1075	109+23.27WI	29.00' RT	790.94
1076	109+23.27WI	34.00' RT	791.01

Dodge			
POINT NO.	STATION	OFFSET	ELEVATION
1077	109+23.27WI	25.50' RT	790.82
1078	109+28.27WI	25.50' RT	790.34
1079	109+28.27WI	29.00' RT	790.59
1080	109+28.27WI	34.00' RT	790.66
1081	109+33.27WI	25.50' RT	790.32
1082	109+33.27WI	29.00' RT	790.57
1083	109+33.27WI	34.00' RT	790.64
1084	109+38.27WI	25.50' RT	790.77
1085	109+38.27WI	29.00' RT	790.92
1086	109+38.27WI	34.00' RT	790.99
1087	109+44.27WI	29.00' RT	791.34
1088	109+44.27WI	34.00' RT	791.41



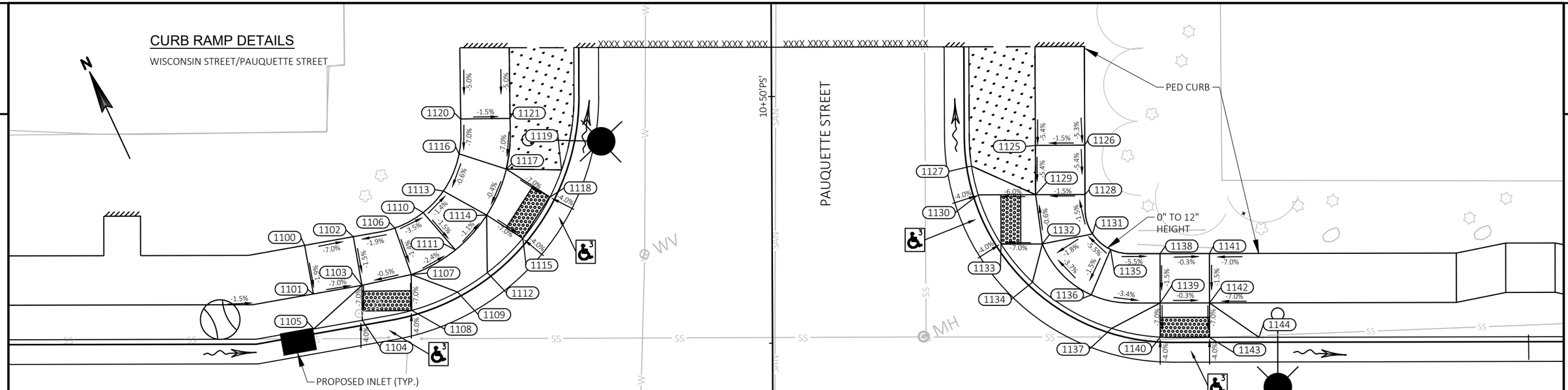
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - CURB RAMPS - DODGE STREET	SHEET 45	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CONSTRUCTION DETAILS\021001-CURB RAMPS.DWG
LAYOUT NAME - DODGE

PLOT DATE : 7/22/2020 1:00 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

CURB RAMP DETAILS

WISCONSIN STREET/PAUQUETTE STREET



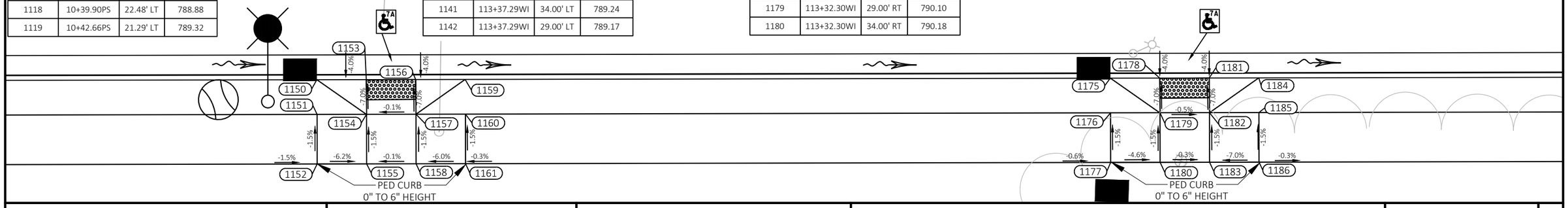
Pauquette			
POINT NO.	STATION	OFFSET	ELEVATION
1100	112+45.68WI	35.01' LT	789.81
1101	112+46.55WI	30.08' LT	789.67
1102	112+50.61WI	35.87' LT	789.48
1103	112+51.47WI	30.95' LT	789.36
1104	112+51.50WI	27.40' LT	789.23
1105	10+26.64PS	46.45' LT	789.68
1106	112+54.82WI	36.75' LT	789.47
1107	112+56.47WI	32.03' LT	789.40
1108	112+56.49WI	28.41' LT	789.15
1109	10+30.32PS	31.89' LT	789.52
1110	112+57.68WI	38.31' LT	789.35
1111	112+60.94WI	34.52' LT	789.28
1112	10+32.27PS	28.86' LT	789.46
1113	10+40.56PS	33.27' LT	789.31
1114	10+38.11PS	28.90' LT	789.23
1115	10+35.73PS	25.24' LT	788.92
1116	10+44.33PS	31.66' LT	789.37
1117	10+42.76PS	26.89' LT	789.25
1118	10+39.90PS	22.48' LT	788.88
1119	10+42.66PS	21.29' LT	789.32

Pauquette			
POINT NO.	STATION	OFFSET	ELEVATION
1120	10+47.85PS	31.48' LT	789.69
1121	10+47.89PS	26.48' LT	789.61
1125	10+44.94PS	26.70' RT	789.40
1126	10+44.94PS	31.70' RT	789.47
1127	10+42.87PS	20.23' RT	789.29
1128	10+39.94PS	31.70' RT	789.20
1129	10+39.94PS	26.70' RT	789.12
1130	10+39.94PS	20.89' RT	788.85
1131	10+35.93PS	32.45' RT	789.35
1132	10+34.94PS	27.36' RT	789.16
1133	10+34.94PS	23.18' RT	788.86
1134	10+31.07PS	26.35' RT	789.35
1135	113+27.28WI	34.43' LT	789.50
1136	113+25.32WI	29.83' LT	789.43
1137	10+26.36PS	34.34' RT	789.40
1138	113+32.29WI	34.00' LT	789.26
1139	113+32.29WI	29.00' LT	789.18
1140	113+32.29WI	25.54' LT	788.94
1141	113+37.29WI	34.00' LT	789.24
1142	113+37.29WI	29.00' LT	789.17

Pauquette			
POINT NO.	STATION	OFFSET	ELEVATION
1143	113+37.29WI	25.50' LT	788.92
1144	10+25.39PS	49.25' RT	789.37
1150	112+47.07WI	25.50' RT	790.62
1151	112+47.09WI	29.00' RT	790.70
1152	112+47.09WI	34.00' RT	790.77
1153	112+52.07WI	25.50' RT	790.14
1154	112+52.09WI	29.00' RT	790.38
1155	112+52.09WI	34.00' RT	790.46
1156	112+57.06WI	25.50' RT	790.37
1157	112+57.09WI	29.00' RT	790.39
1158	112+57.09WI	34.00' RT	790.46
1159	112+62.06WI	25.50' RT	790.57
1160	112+62.09WI	29.00' RT	790.68
1161	112+62.09WI	34.00' RT	790.76
1175	113+27.29WI	25.50' RT	790.34
1176	113+27.30WI	29.00' RT	790.33
1177	113+27.30WI	34.00' RT	790.40
1178	113+32.29WI	25.50' RT	789.86
1179	113+32.30WI	29.00' RT	790.10
1180	113+32.30WI	34.00' RT	790.18

Pauquette			
POINT NO.	STATION	OFFSET	ELEVATION
1181	113+37.29WI	25.50' RT	789.84
1182	113+37.30WI	29.00' RT	790.09
1183	113+37.30WI	34.00' RT	790.16
1184	113+42.29WI	25.50' RT	790.29
1185	113+42.30WI	29.00' RT	790.43
1186	113+42.30WI	34.00' RT	790.51

USH 51 /STH 16 / WISCONSIN STREET

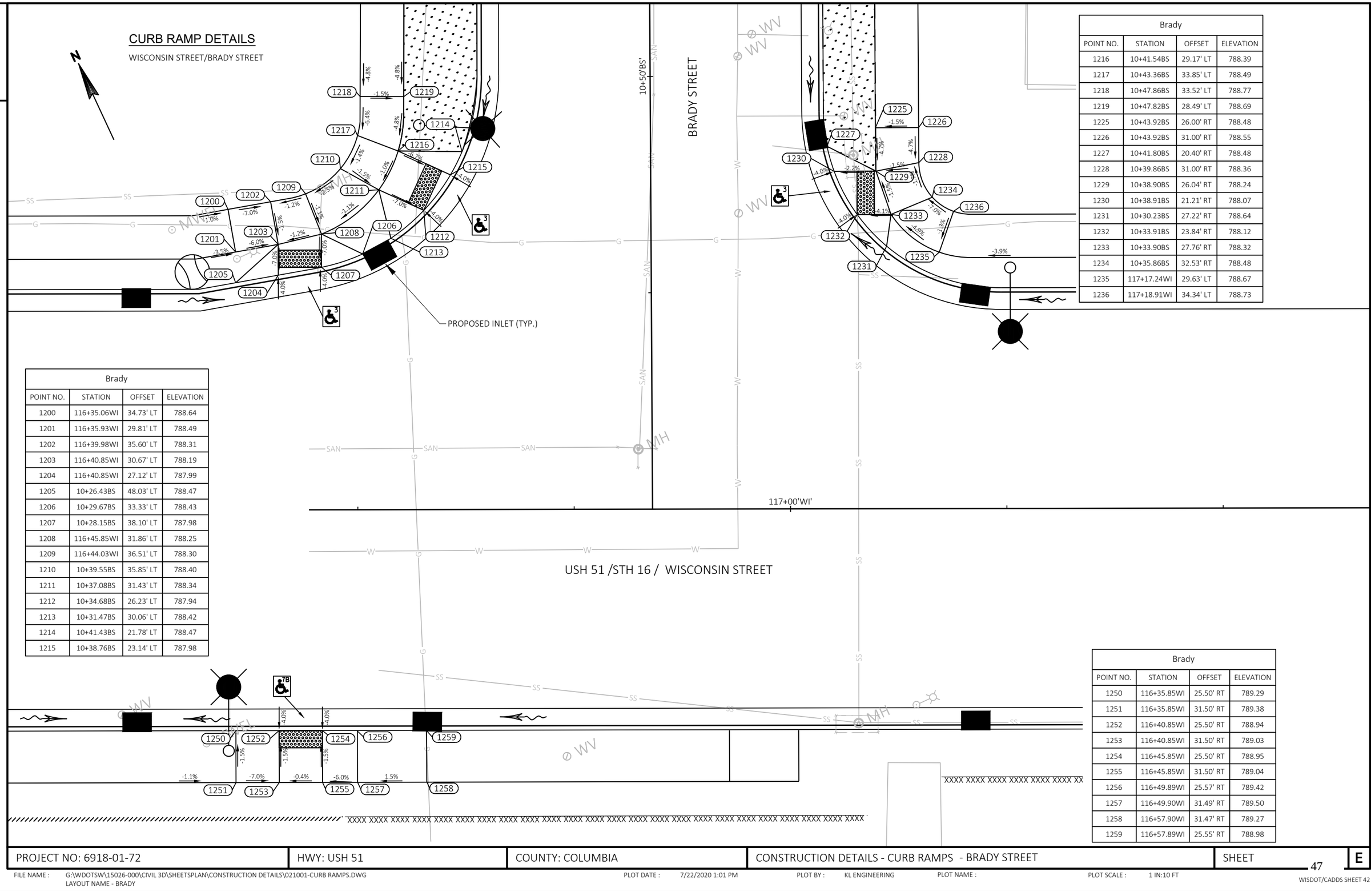


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - CURB RAMPS - PAUQUETTE STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CONSTRUCTION DETAILS\021001-CURB RAMPS.DWG
LAYOUT NAME - PAUQUETTE
PLOT DATE : 7/22/2020 1:01 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

CURB RAMP DETAILS

WISCONSIN STREET/BRADY STREET



Brady			
POINT NO.	STATION	OFFSET	ELEVATION
1200	116+35.06WI	34.73' LT	788.64
1201	116+35.93WI	29.81' LT	788.49
1202	116+39.98WI	35.60' LT	788.31
1203	116+40.85WI	30.67' LT	788.19
1204	116+40.85WI	27.12' LT	787.99
1205	10+26.43BS	48.03' LT	788.47
1206	10+29.67BS	33.33' LT	788.43
1207	10+28.15BS	38.10' LT	787.98
1208	116+45.85WI	31.86' LT	788.25
1209	116+44.03WI	36.51' LT	788.30
1210	10+39.55BS	35.85' LT	788.40
1211	10+37.08BS	31.43' LT	788.34
1212	10+34.68BS	26.23' LT	787.94
1213	10+31.47BS	30.06' LT	788.42
1214	10+41.43BS	21.78' LT	788.47
1215	10+38.76BS	23.14' LT	787.98

Brady			
POINT NO.	STATION	OFFSET	ELEVATION
1216	10+41.54BS	29.17' LT	788.39
1217	10+43.36BS	33.85' LT	788.49
1218	10+47.86BS	33.52' LT	788.77
1219	10+47.82BS	28.49' LT	788.69
1225	10+43.92BS	26.00' RT	788.48
1226	10+43.92BS	31.00' RT	788.55
1227	10+41.80BS	20.40' RT	788.48
1228	10+39.86BS	31.00' RT	788.36
1229	10+38.90BS	26.04' RT	788.24
1230	10+38.91BS	21.21' RT	788.07
1231	10+30.23BS	27.22' RT	788.64
1232	10+33.91BS	23.84' RT	788.12
1233	10+33.90BS	27.76' RT	788.32
1234	10+35.86BS	32.53' RT	788.48
1235	117+17.24WI	29.63' LT	788.67
1236	117+18.91WI	34.34' LT	788.73

Brady			
POINT NO.	STATION	OFFSET	ELEVATION
1250	116+35.85WI	25.50' RT	789.29
1251	116+35.85WI	31.50' RT	789.38
1252	116+40.85WI	25.50' RT	788.94
1253	116+40.85WI	31.50' RT	789.03
1254	116+45.85WI	25.50' RT	788.95
1255	116+45.85WI	31.50' RT	789.04
1256	116+49.89WI	25.57' RT	789.42
1257	116+49.90WI	31.49' RT	789.50
1258	116+57.90WI	31.47' RT	789.27
1259	116+57.89WI	25.55' RT	788.98

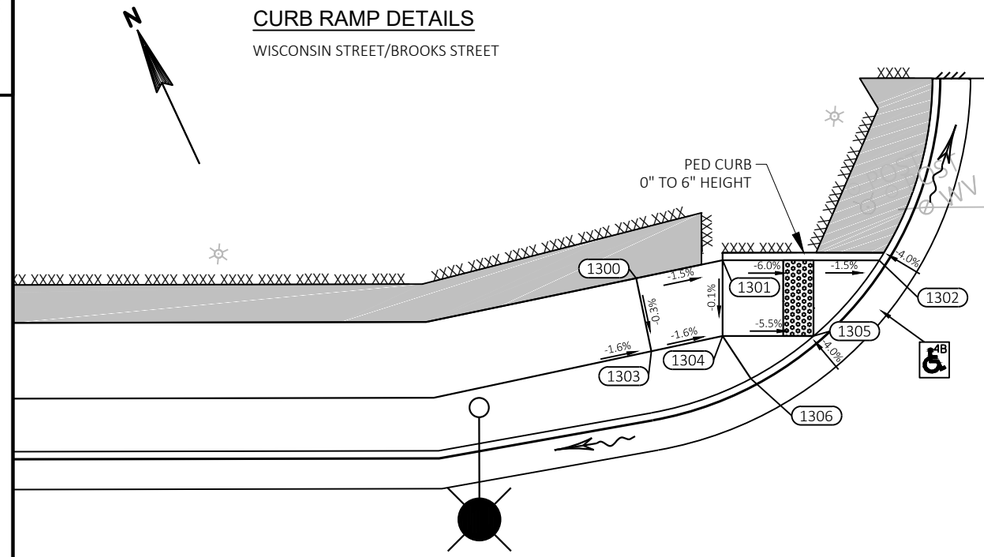
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - CURB RAMPS - BRADY STREET	SHEET	E

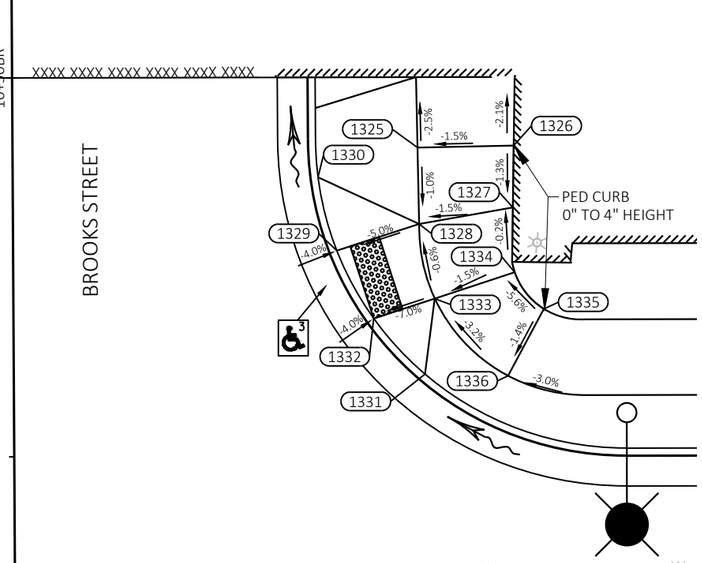
FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CONSTRUCTION DETAILS\021001-CURB RAMPS.DWG
LAYOUT NAME - BRADY

PLOT DATE : 7/22/2020 1:01 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

CURB RAMP DETAILS

WISCONSIN STREET/BROOKS STREET



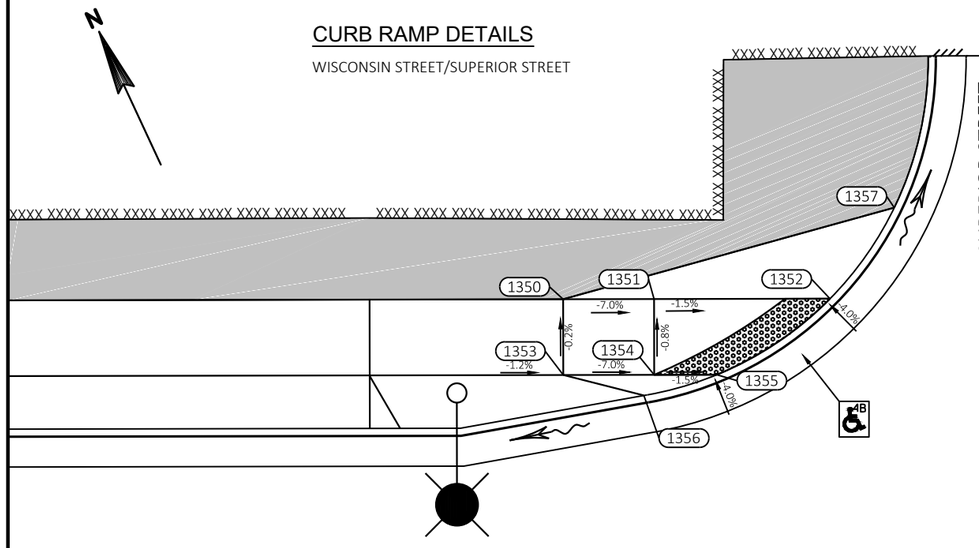


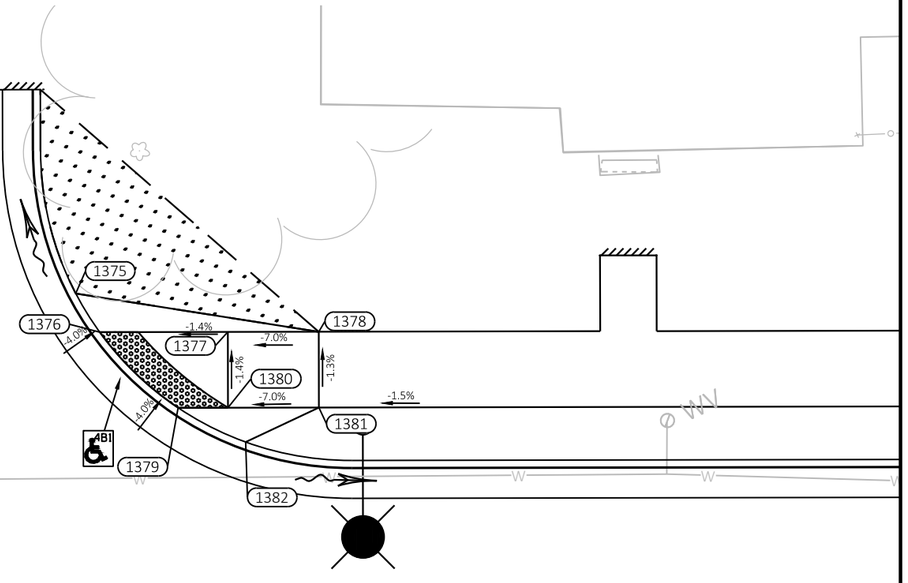
Brooks			
POINT NO.	STATION	OFFSET	ELEVATION
1300	10+37.01BR	39.14' LT	790.19
1301	10+38.17BR	33.43' LT	790.10
1302	10+38.10BR	23.09' LT	789.66
1303	10+32.19BR	38.16' LT	790.17
1304	10+33.17BR	33.46' LT	790.10
1305	10+33.13BR	27.46' LT	789.77
1306	10+30.34BR	31.61' LT	790.31
1325	10+45.25BR	26.73' RT	789.98
1326	10+45.34BR	33.07' RT	???
1327	10+41.27BR	32.99' RT	790.14
1328	10+40.21BR	26.80' RT	789.93
1329	10+38.48BR	21.37' RT	789.75
1330	10+43.33BR	20.15' RT	789.95
1331	10+30.30BR	27.13' RT	790.29
1332	10+34.00BR	23.77' RT	789.68
1333	10+35.28BR	27.81' RT	789.96
1334	10+36.99BR	33.08' RT	790.08
1335	10+34.55BR	35.00' RT	790.26
1336	10+30.16BR	32.62' RT	790.19

USH 51 /STH 16 / WISCONSIN STREET

CURB RAMP DETAILS

WISCONSIN STREET/SUPERIOR STREET





Superior			
POINT NO.	STATION	OFFSET	ELEVATION
1350	10+34.01SS	44.12' LT	790.30
1351	10+34.01SS	38.12' LT	789.88
1352	10+34.01SS	26.52' LT	789.74
1353	10+29.01SS	44.13' LT	790.34
1354	10+29.01SS	38.13' LT	789.92
1355	10+29.01SS	34.00' LT	789.86
1356	10+27.65SS	38.81' LT	789.90
1357	10+40.01SS	22.26' LT	789.97
1375	10+36.55SS	22.30' RT	790.12
1376	10+33.99SS	23.88' RT	789.76
1377	10+33.99SS	32.34' RT	789.86
1378	10+33.99SS	38.34' RT	790.28
1379	10+28.99SS	29.04' RT	789.94
1380	10+28.99SS	32.34' RT	789.93
1381	10+28.99SS	38.34' RT	790.35
1382	10+26.72SS	33.50' RT	790.07

USH 51 /STH 16 / WISCONSIN STREET

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - CURB RAMPS - BROOKS STREET & SUPERIOR STREET	SHEET	E

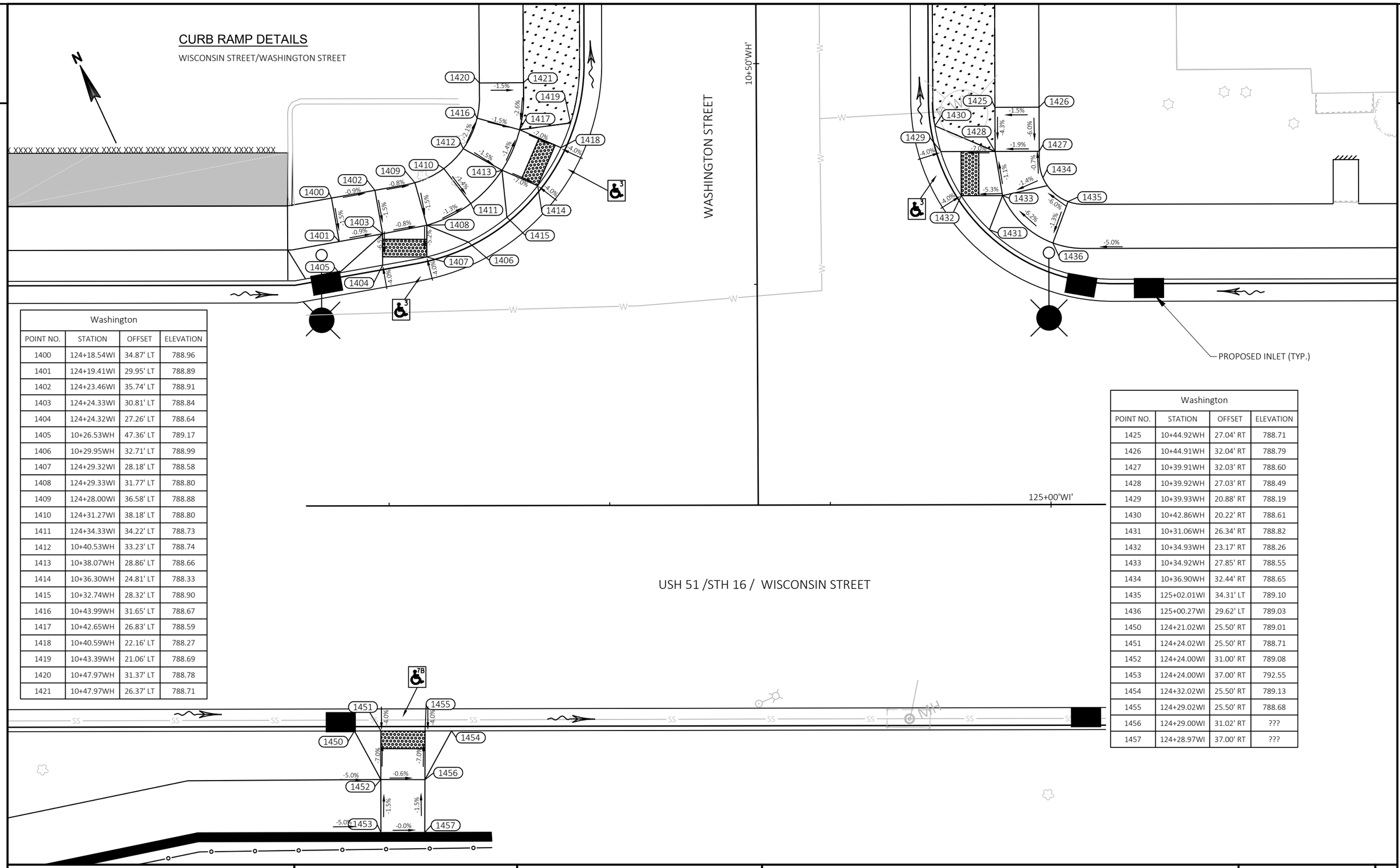
FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CONSTRUCTION DETAILS\021001-CURB RAMPS.DWG
LAYOUT NAME - BROOKS-SUPERIOR

PLOT DATE : 7/22/2020 1:02 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

2

CURB RAMP DETAILS

WISCONSIN STREET/WASHINGTON STREET



Washington			
POINT NO.	STATION	OFFSET	ELEVATION
1400	124+18.54WI	34.87' LT	788.96
1401	124+19.41WI	29.95' LT	788.89
1402	124+23.46WI	35.74' LT	788.91
1403	124+24.33WI	30.81' LT	788.84
1404	124+24.32WI	27.26' LT	788.64
1405	10+26.53WH	47.36' LT	789.17
1406	10+29.95WH	32.71' LT	788.99
1407	124+29.32WI	28.18' LT	788.58
1408	124+29.33WI	31.77' LT	788.80
1409	124+28.00WI	36.58' LT	788.88
1410	124+31.27WI	38.18' LT	788.80
1411	124+34.33WI	34.22' LT	788.73
1412	10+40.53WH	33.23' LT	788.74
1413	10+38.07WH	28.86' LT	788.66
1414	10+36.30WH	24.81' LT	788.33
1415	10+32.74WH	28.32' LT	788.90
1416	10+43.99WH	31.65' LT	788.67
1417	10+42.65WH	26.83' LT	788.59
1418	10+40.59WH	22.16' LT	788.27
1419	10+43.39WH	21.06' LT	788.69
1420	10+47.97WH	31.37' LT	788.78
1421	10+47.97WH	26.37' LT	788.71

Washington			
POINT NO.	STATION	OFFSET	ELEVATION
1425	10+44.92WH	27.04' RT	788.71
1426	10+44.91WH	32.04' RT	788.79
1427	10+39.91WH	32.03' RT	788.60
1428	10+39.92WH	27.03' RT	788.49
1429	10+39.93WH	20.88' RT	788.19
1430	10+42.86WH	20.22' RT	788.61
1431	10+31.06WH	26.34' RT	788.82
1432	10+34.93WH	23.17' RT	788.26
1433	10+34.92WH	27.85' RT	788.55
1434	10+36.90WH	32.44' RT	788.65
1435	125+02.01WI	34.31' LT	789.10
1436	125+00.27WI	29.62' LT	789.03
1450	124+21.02WI	25.50' RT	789.01
1451	124+24.02WI	25.50' RT	788.71
1452	124+24.00WI	31.00' RT	789.08
1453	124+24.00WI	37.00' RT	792.55
1454	124+32.02WI	25.50' RT	789.13
1455	124+29.02WI	25.50' RT	788.68
1456	124+29.00WI	31.02' RT	???
1457	124+28.97WI	37.00' RT	???

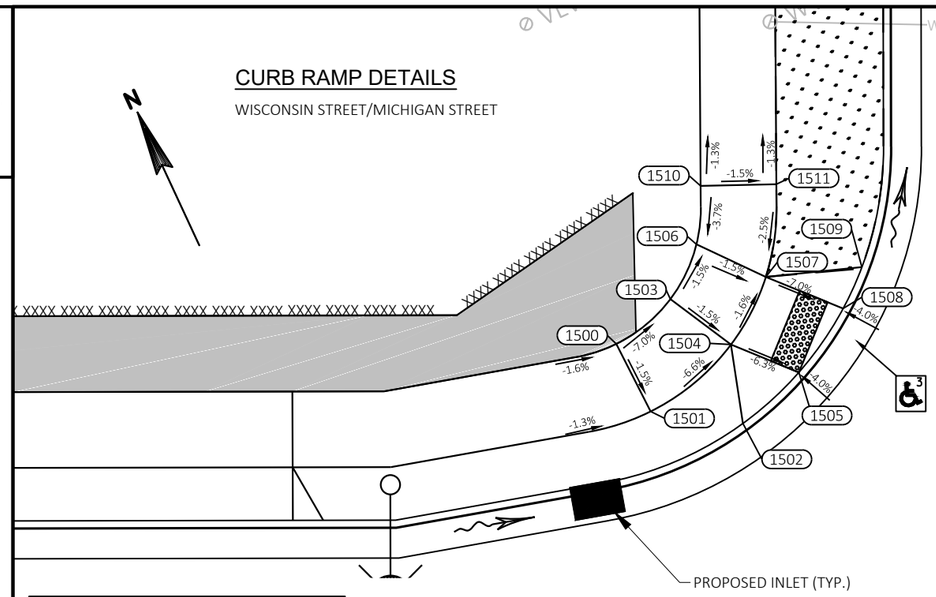
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - CURB RAMPS - WASHINGTON STREET	SHEET 49	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CONSTRUCTION DETAILS\021001-CURB RAMPS.DWG
LAYOUT NAME - WASHINGTON
PLOT DATE : 7/22/2020 1:03 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

CURB RAMP DETAILS

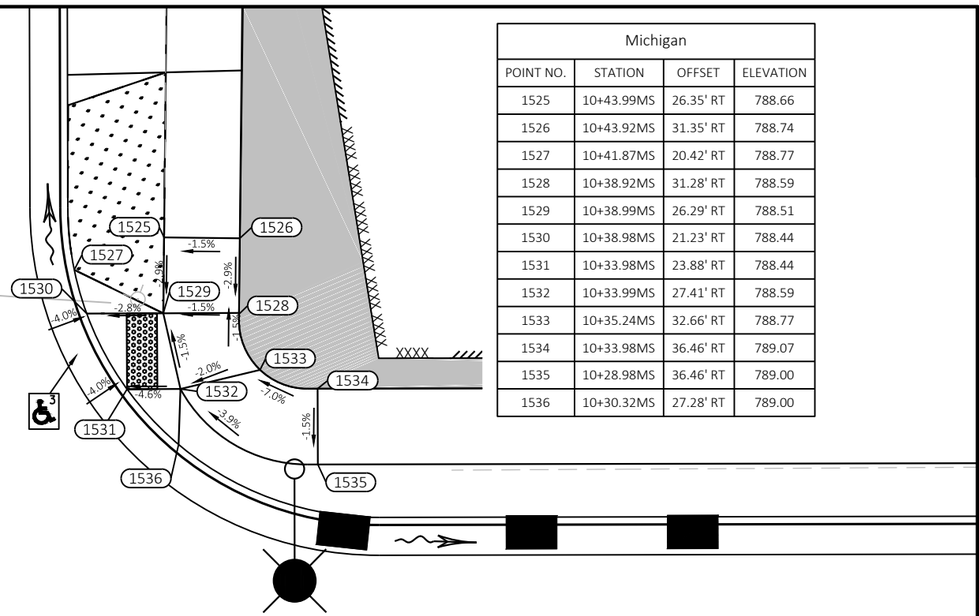
WISCONSIN STREET/MICHIGAN STREET



Michigan			
POINT NO.	STATION	OFFSET	ELEVATION
1500	10+37.12MS	37.66' LT	789.30
1501	10+32.66MS	35.41' LT	789.23
1502	10+31.85MS	29.32' LT	789.09
1503	10+40.07MS	34.09' LT	788.91
1504	10+37.06MS	30.10' LT	788.83
1505	10+35.21MS	25.62' LT	788.52
1506	10+43.68MS	32.37' LT	788.85
1507	10+41.52MS	27.79' LT	788.75
1508	10+39.41MS	22.69' LT	788.46
1509	10+42.14MS	21.45' LT	788.83
1510	10+47.53MS	32.08' LT	788.98
1511	10+47.63MS	27.08' LT	788.90

10+50'MS'

MICHIGAN STREET

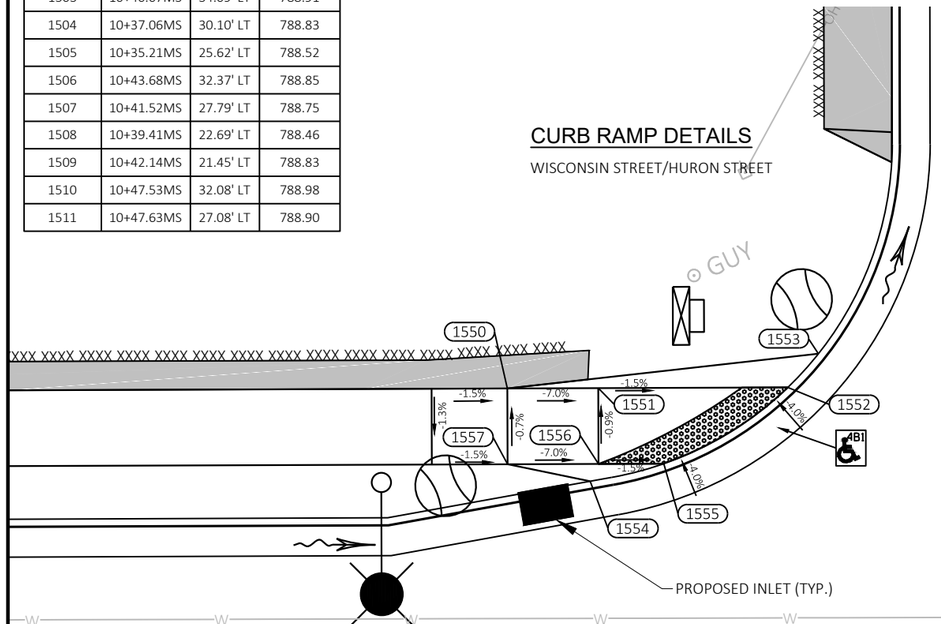


Michigan			
POINT NO.	STATION	OFFSET	ELEVATION
1525	10+43.99MS	26.35' RT	788.66
1526	10+43.92MS	31.35' RT	788.74
1527	10+41.87MS	20.42' RT	788.77
1528	10+38.92MS	31.28' RT	788.59
1529	10+38.99MS	26.29' RT	788.51
1530	10+38.98MS	21.23' RT	788.44
1531	10+33.98MS	23.88' RT	788.44
1532	10+33.99MS	27.41' RT	788.59
1533	10+35.24MS	32.66' RT	788.77
1534	10+33.98MS	36.46' RT	789.07
1535	10+28.98MS	36.46' RT	789.00
1536	10+30.32MS	27.28' RT	789.00

USH 51 /STH 16 / WISCONSIN STREET

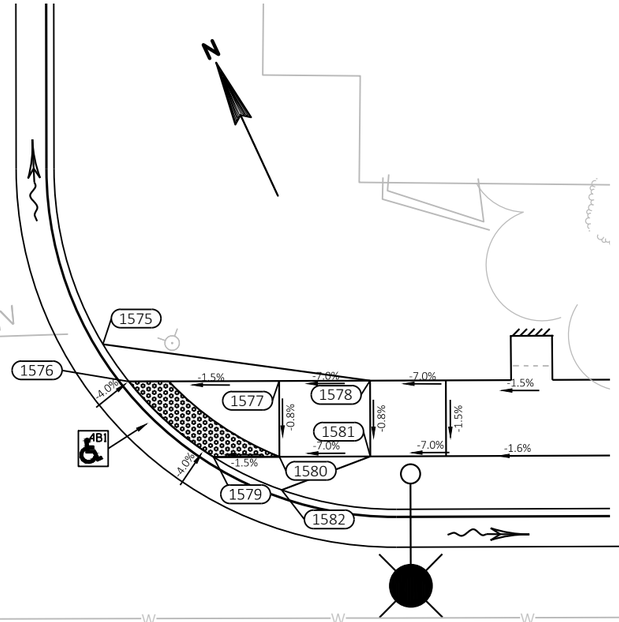
CURB RAMP DETAILS

WISCONSIN STREET/HURON STREET



10+50'HS'

HURON STREET



Huron			
POINT NO.	STATION	OFFSET	ELEVATION
1550	10+33.91HS	43.93' LT	788.71
1551	10+33.92HS	37.93' LT	788.28
1552	10+33.95HS	25.42' LT	788.10
1553	10+36.17HS	23.40' LT	788.51
1554	10+27.78HS	38.48' LT	788.33
1555	10+28.93HS	33.61' LT	788.26
1556	10+28.92HS	37.92' LT	788.33
1557	10+28.91HS	43.92' LT	788.75
1575	10+36.51HS	21.70' RT	788.34
1576	10+34.05HS	23.41' RT	787.92
1577	10+34.06HS	33.33' RT	788.15
1578	10+34.08HS	39.33' RT	788.57
1579	10+29.06HS	28.99' RT	788.04
1580	10+29.06HS	33.34' RT	788.11
1581	10+29.08HS	39.34' RT	788.53
1582	10+26.87HS	33.48' RT	788.10

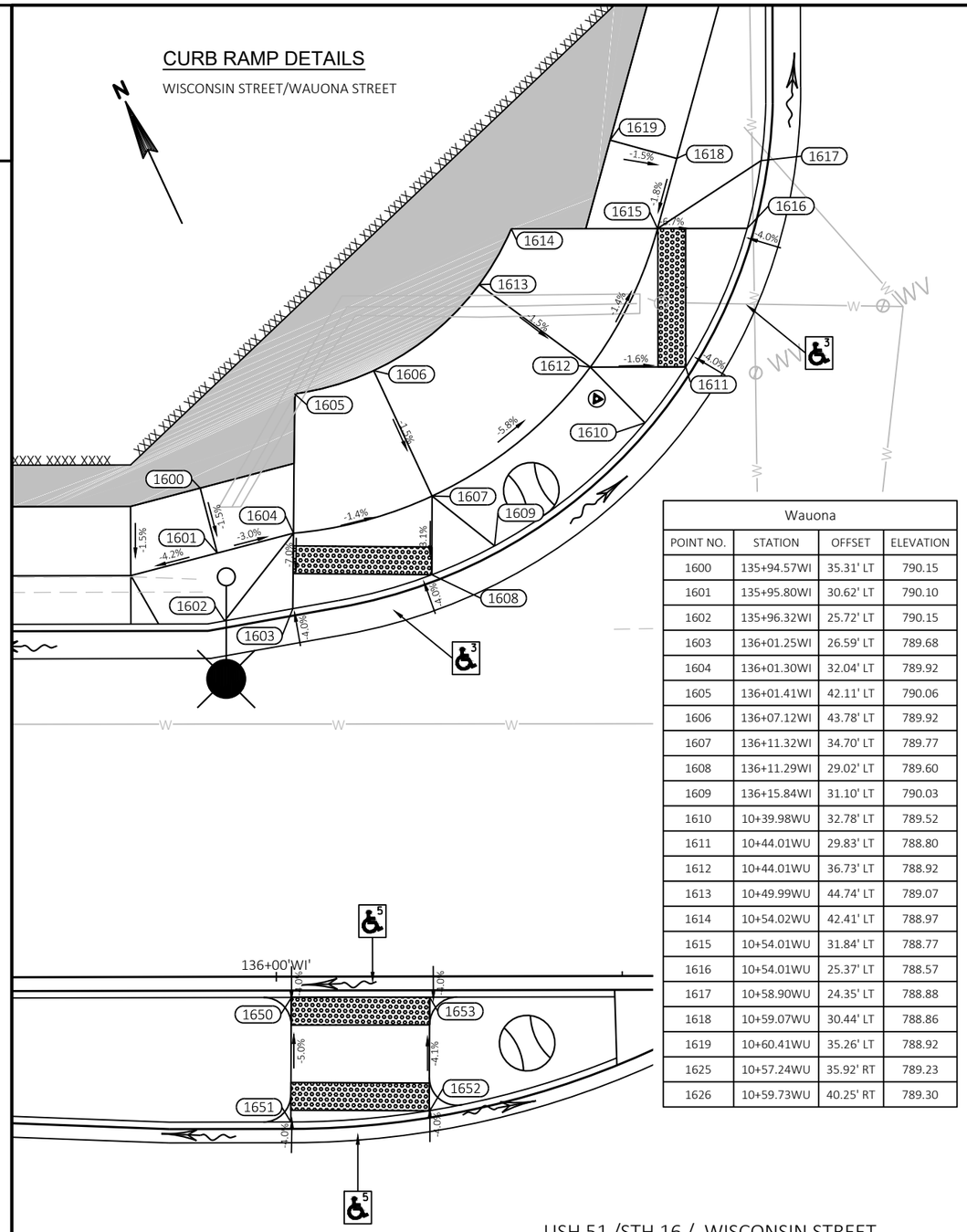
USH 51 /STH 16 / WISCONSIN STREET

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - CURB RAMPS - MICHIGAN STREET & HURON STREET	SHEET 50	E

2

CURB RAMP DETAILS

WISCONSIN STREET/WAUONA STREET

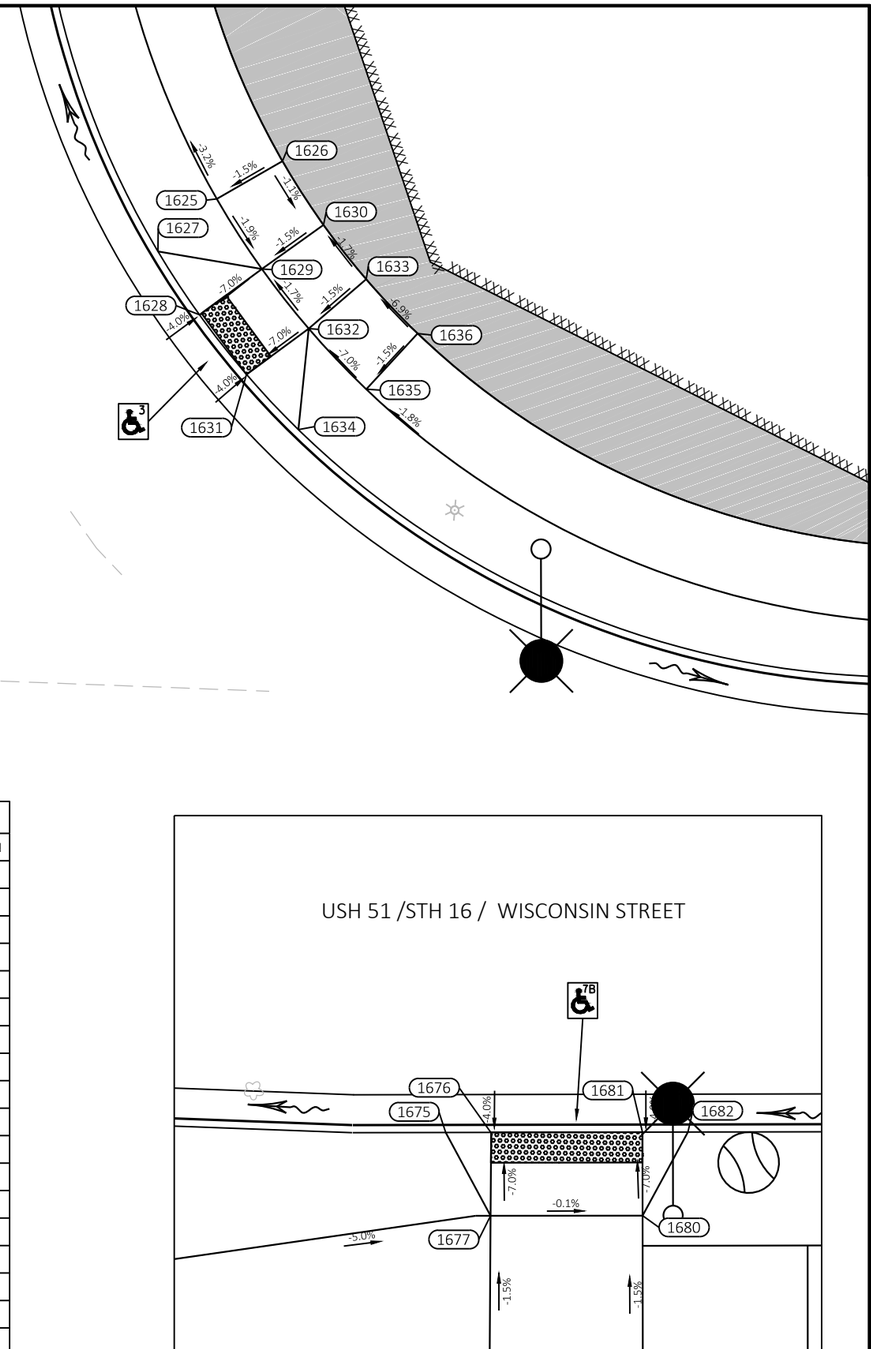


Wauona			
POINT NO.	STATION	OFFSET	ELEVATION
1600	135+94.57WI	35.31' LT	790.15
1601	135+95.80WI	30.62' LT	790.10
1602	135+96.32WI	25.72' LT	790.15
1603	136+01.25WI	26.59' LT	789.68
1604	136+01.30WI	32.04' LT	789.92
1605	136+01.41WI	42.11' LT	790.06
1606	136+07.12WI	43.78' LT	789.92
1607	136+11.32WI	34.70' LT	789.77
1608	136+11.29WI	29.02' LT	789.60
1609	136+15.84WI	31.10' LT	790.03
1610	10+39.98WU	32.78' LT	789.52
1611	10+44.01WU	29.83' LT	788.80
1612	10+44.01WU	36.73' LT	788.92
1613	10+49.99WU	44.74' LT	789.07
1614	10+54.02WU	42.41' LT	788.97
1615	10+54.01WU	31.84' LT	788.77
1616	10+54.01WU	25.37' LT	788.57
1617	10+58.90WU	24.35' LT	788.88
1618	10+59.07WU	30.44' LT	788.86
1619	10+60.41WU	35.26' LT	788.92
1625	10+57.24WU	35.92' RT	789.23
1626	10+59.73WU	40.25' RT	789.30

USH 51 /STH 16 / WISCONSIN STREET

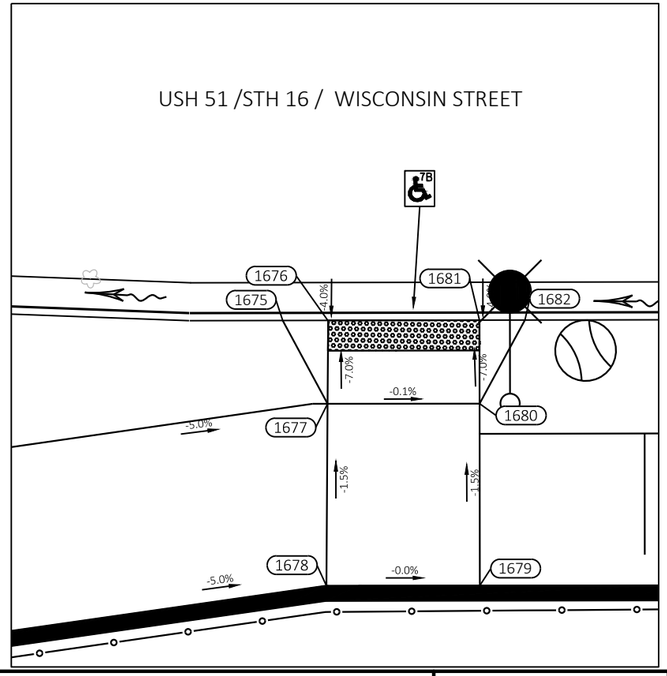
10+50'WU'

WAUONA STREET



Wauona			
POINT NO.	STATION	OFFSET	ELEVATION
1627	10+53.78WU	32.03' RT	789.10
1628	10+49.60WU	34.77' RT	788.81
1629	10+52.61WU	38.88' RT	789.16
1630	10+55.51WU	42.95' RT	789.24
1631	10+45.66WU	37.85' RT	788.88
1632	10+48.67WU	41.96' RT	789.25
1633	10+51.92WU	45.76' RT	789.33
1634	10+42.01WU	41.27' RT	789.51
1635	10+44.66WU	45.75' RT	789.60
1636	10+48.33WU	49.15' RT	789.68
1650	136+01.10WI	1.50' RT	790.20
1651	136+01.03WI	10.50' RT	790.46
1652	136+11.08WI	9.70' RT	790.43
1653	136+11.08WI	1.50' RT	790.23
1675	135+97.88WI	37.50' RT	791.05
1676	136+00.86WI	37.50' RT	790.89
1677	136+00.84WI	43.00' RT	791.26
1678	136+00.74WI	55.00' RT	791.47
1679	136+10.86WI	55.01' RT	793.63
1680	136+10.86WI	43.01' RT	791.25
1681	136+10.87WI	37.50' RT	790.87
1682	136+13.87WI	37.50' RT	791.34

USH 51 /STH 16 / WISCONSIN STREET



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - CURB RAMPS - WAUONA STREET	SHEET 51	E

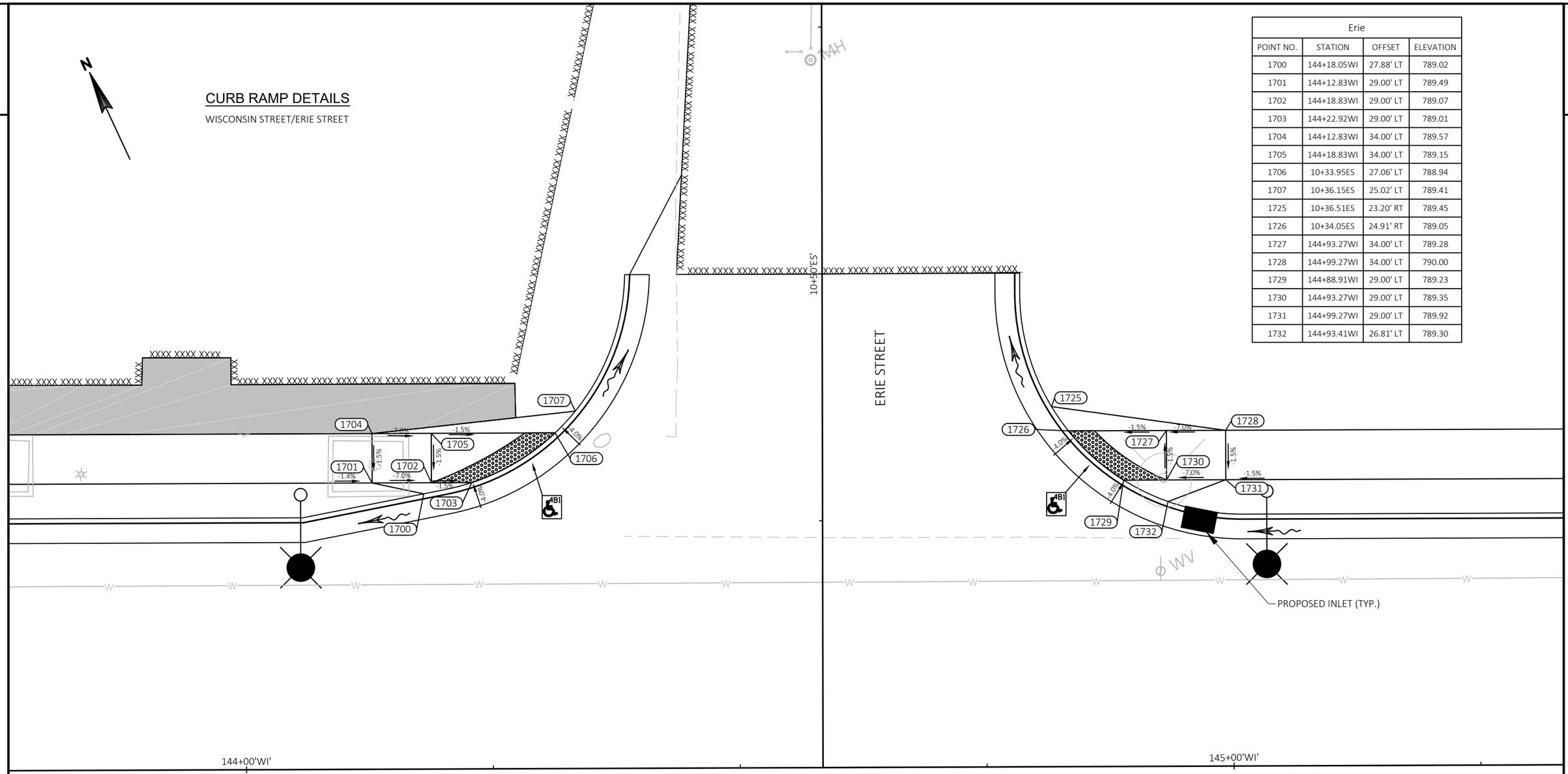
FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CONSTRUCTION DETAILS\021001-CURB RAMPS.DWG
LAYOUT NAME - WAUONA
PLOT DATE : 7/22/2020 1:04 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

CURB RAMP DETAILS

WISCONSIN STREET/ERIE STREET

Erie			
POINT NO.	STATION	OFFSET	ELEVATION
1700	144+18.05WI	27.88' LT	789.02
1701	144+12.83WI	29.00' LT	789.49
1702	144+18.83WI	29.00' LT	789.07
1703	144+22.92WI	29.00' LT	789.01
1704	144+12.83WI	34.00' LT	789.57
1705	144+18.83WI	34.00' LT	789.15
1706	10+33.95ES	27.06' LT	788.94
1707	10+36.15ES	25.02' LT	789.41
1725	10+36.51ES	23.20' RT	789.45
1726	10+34.05ES	24.91' RT	789.05
1727	144+93.27WI	34.00' LT	789.28
1728	144+99.27WI	34.00' LT	790.00
1729	144+88.91WI	29.00' LT	789.23
1730	144+93.27WI	29.00' LT	789.35
1731	144+99.27WI	29.00' LT	789.92
1732	144+93.41WI	26.81' LT	789.30



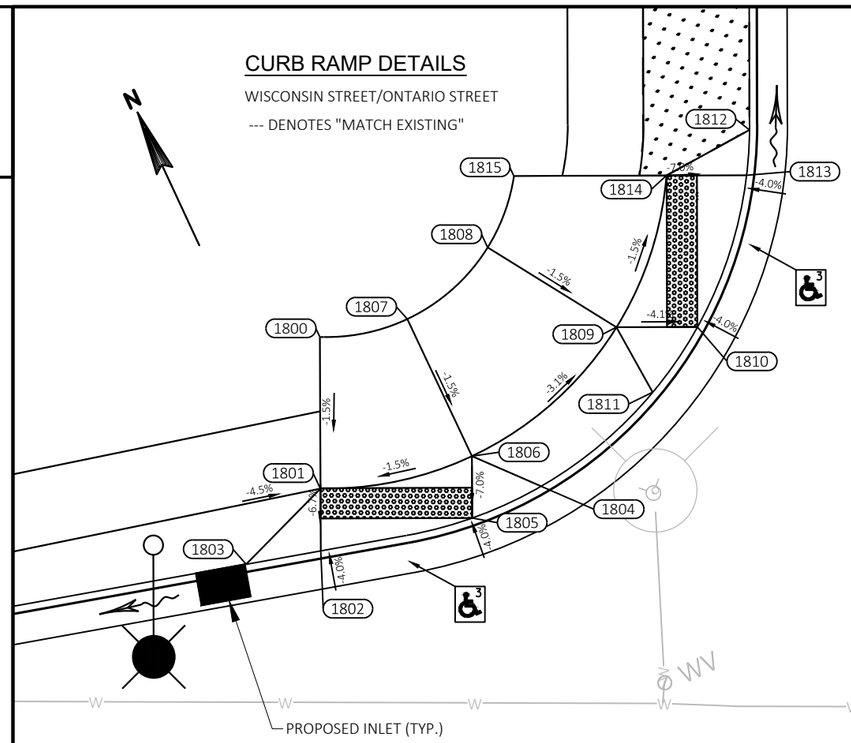
USH 51 /STH 16 / WISCONSIN STREET

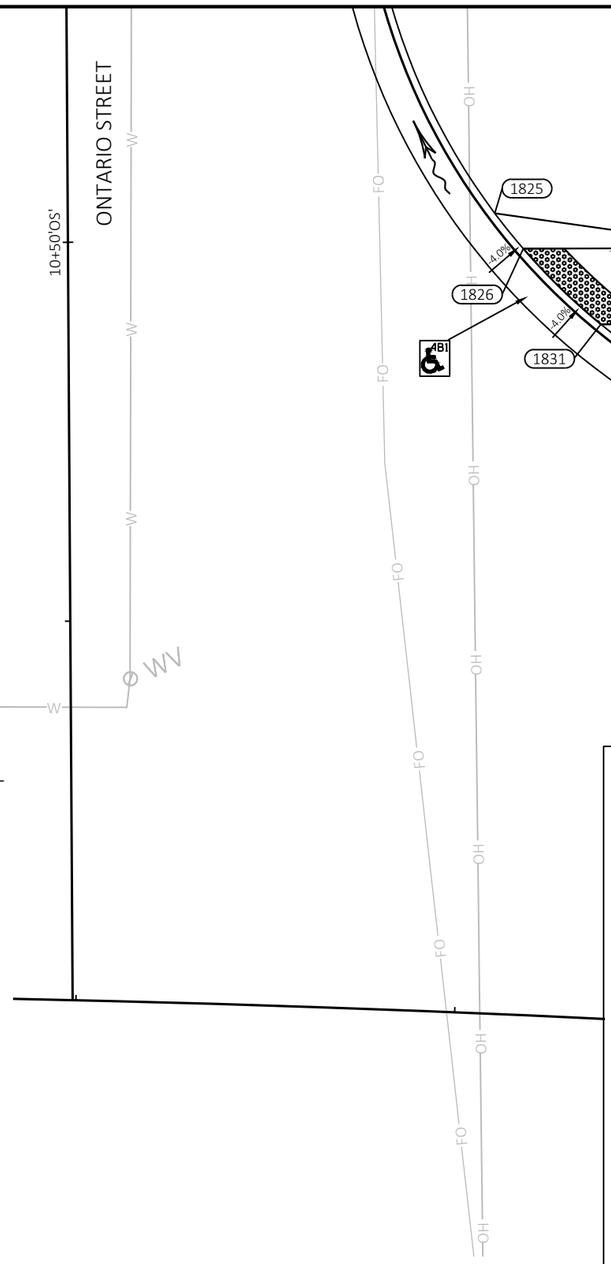
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - CURB RAMPS - ERIE STREET	SHEET	E

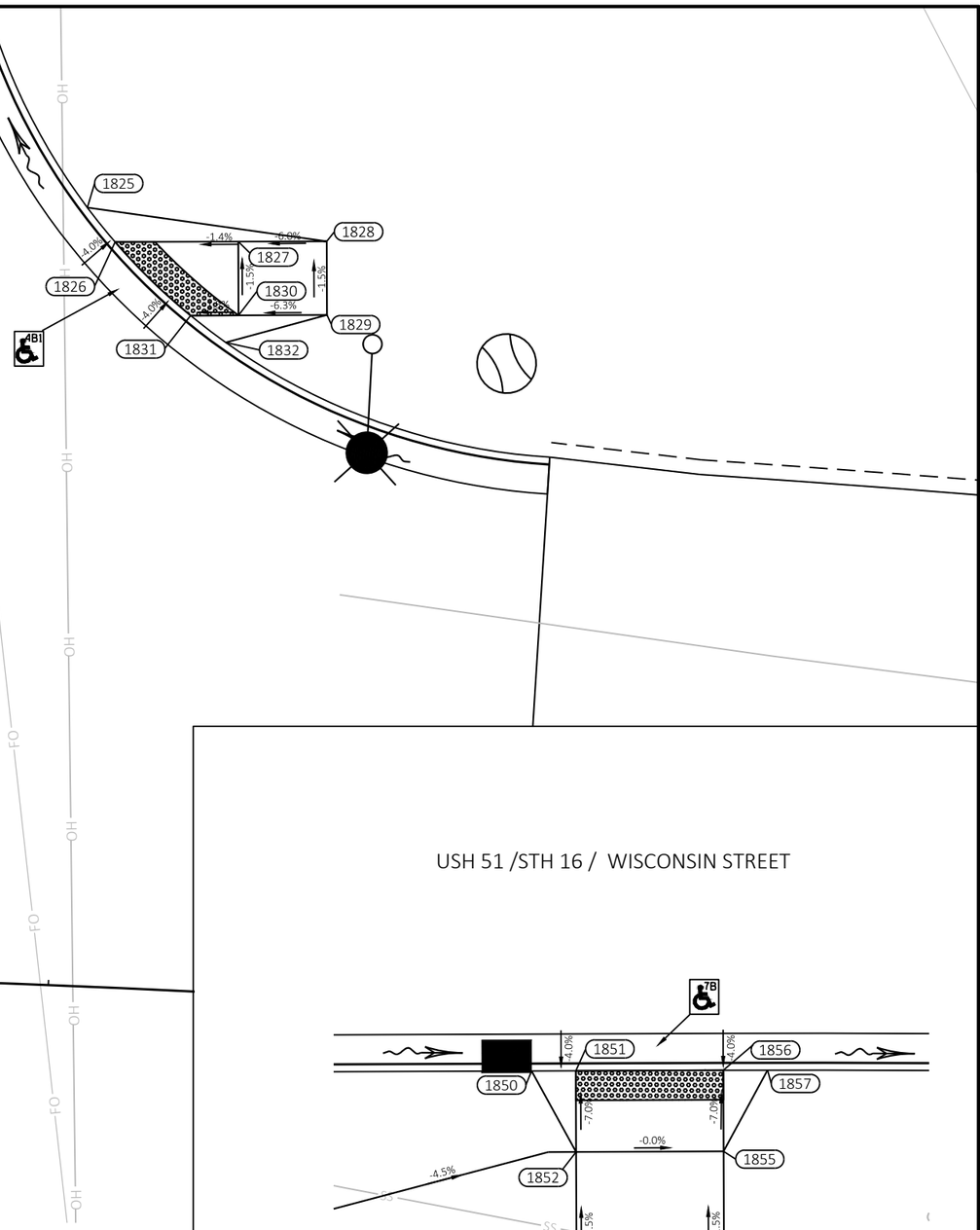
CURB RAMP DETAILS

WISCONSIN STREET/ONTARIO STREET

--- DENOTES "MATCH EXISTING"

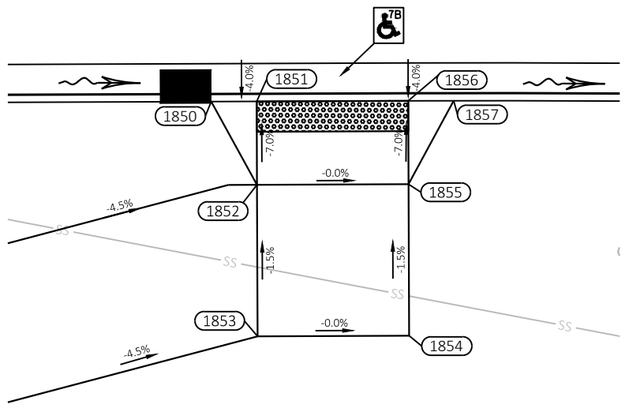






USH 51 /STH 16 / WISCONSIN STREET

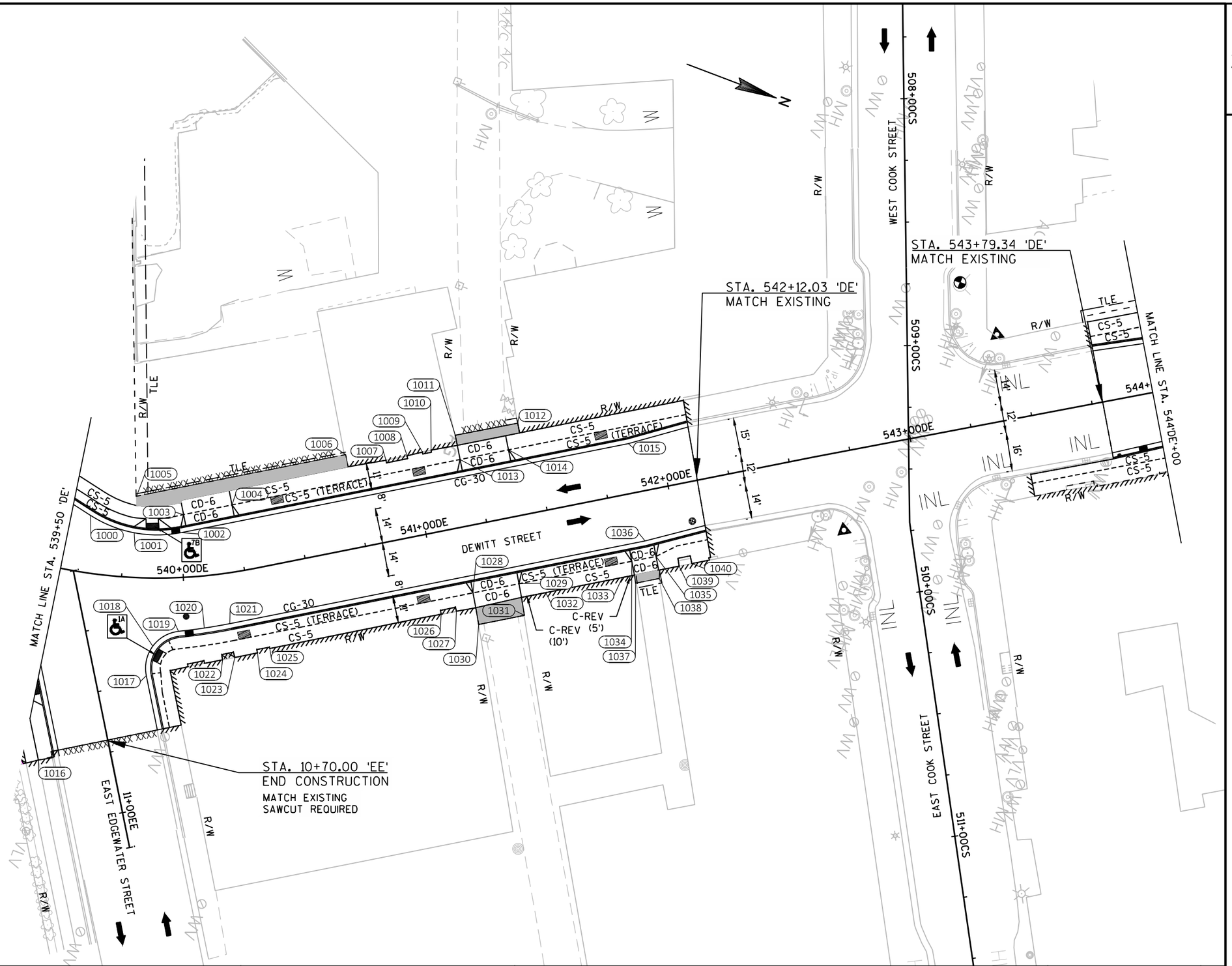
USH 51 /STH 16 / WISCONSIN STREET



Ontario			
POINT NO.	STATION	OFFSET	ELEVATION
1800	148+01.00WI	43.41' LT	???
1801	148+00.99WI	33.40' LT	790.30
1802	148+01.00WI	29.31' LT	790.12
1803	147+96.07WI	28.44' LT	790.55
1804	148+15.44WI	33.52' LT	790.54
1805	148+11.00WI	31.44' LT	790.16
1806	148+11.00WI	35.52' LT	790.45
1807	148+06.77WI	44.58' LT	790.60
1808	10+49.90OS	37.58' LT	790.20
1809	10+44.58OS	29.11' LT	790.05
1810	10+44.56OS	23.76' LT	789.84
1811	10+40.27OS	26.74' LT	790.39
1812	10+57.54OS	20.24' LT	790.05
1813	10+54.55OS	20.46' LT	789.66
1814	10+54.56OS	25.75' LT	789.85
1815	10+54.60OS	35.81' LT	???

Ontario			
POINT NO.	STATION	OFFSET	ELEVATION
1825	10+51.74OS	28.18' RT	790.78
1826	10+49.39OS	30.05' RT	790.36
1827	10+49.36OS	38.40' RT	790.47
1828	10+49.34OS	44.40' RT	---
1829	10+44.35OS	44.38' RT	---
1830	10+44.37OS	38.38' RT	790.54
1831	10+44.37OS	35.13' RT	790.49
1832	10+42.53OS	37.50' RT	790.58
1850	147+98.00WI	25.50' RT	789.02
1851	148+01.00WI	25.50' RT	788.92
1852	148+01.00WI	31.00' RT	789.30
1853	148+01.00WI	41.00' RT	789.45
1854	148+11.00WI	41.00' RT	???
1855	148+11.00WI	31.00' RT	789.29
1856	148+11.00WI	25.50' RT	788.90
1857	148+14.05WI	25.50' RT	789.31

Sheet 10				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1000	539+58.63DE	23.23' LT	797.39	PC=50' RADIUS
1001	539+79.15DE	18.05' LT	798.24	50' RADIUS (CENTER)
1002	540+00.16DE	18.14' LT	798.96	PT=50' RADIUS
1003	540+01.65DE	25.40' LT	---	MATCH SIDEWALK
1004	540+24.64DE	26.96' LT	---	MATCH SIDEWALK
1005	539+79.33DE	32.93' LT	---	MATCH EXISTING
1006	540+74.34DE	38.00' LT	---	MATCH EXISTING
1007	540+89.94DE	32.57' LT	---	MATCH EXISTING
1008	540+98.63DE	32.75' LT	---	MATCH EXISTING
1009	541+05.02DE	32.96' LT	---	MATCH EXISTING
1010	541+08.64DE	33.01' LT	---	MATCH EXISTING
1011	541+19.44DE	37.00' LT	---	MATCH EXISTING
1012	541+45.20DE	36.88' LT	---	MATCH EXISTING
1013	541+19.42DE	27.00' LT	---	MATCH SIDEWALK
1014	541+39.42DE	27.00' LT	---	MATCH SIDEWALK
1015	541+87.53DE	20.00' LT	803.97	BEGIN 25:1 TAPER
1016	10+72.32EE	29.16' RT	---	MATCH EXISTING
1017	10+47.53EE	20.50' LT	798.57	PC=15' RADIUS
1018	539+87.88DE	27.59' RT	798.80	15' RADIUS (CENTER)
1019	539+97.25DE	21.74' RT	799.03	PT=15' RADIUS PC=218' RADIUS
1020	540+06.72DE	21.09' RT	799.30	218' RADIUS (CENTER)
1021	540+16.21DE	20.43' RT	799.58	PT=218' RADIUS
1022	540+12.06DE	34.57' RT	---	MATCH EXISTING
1023	540+16.37DE	34.26' RT	---	MATCH EXISTING
1024	540+24.33DE	33.83' RT	---	MATCH EXISTING
1025	540+28.85DE	33.01' RT	---	MATCH EXISTING
1026	540+99.65DE	32.97' RT	---	MATCH EXISTING
1027	541+05.99DE	32.99' RT	---	MATCH EXISTING
1028	541+14.00DE	27.01' RT	---	MATCH SIDEWALK
1029	541+33.00DE	27.00' RT	---	MATCH SIDEWALK
1030	541+13.77DE	40.00' RT	---	MATCH EXISTING
1031	541+32.65DE	40.00' RT	---	MATCH EXISTING
1032	541+42.95DE	32.64' RT	803.49	END C-PED
1033	541+74.57DE	32.69' RT	804.21	BEGIN C-PED
1034	541+79.62DE	27.00' RT	---	MATCH SIDEWALK
1035	541+89.62DE	27.00' RT	---	MATCH SIDEWALK
1036	541+86.52DE	20.00' RT	803.98	BEGIN 25:1 TAPER
1037	541+79.39DE	36.00' RT	---	MATCH EXISTING
1038	541+89.17DE	36.00' RT	---	MATCH EXISTING
1039	541+98.05DE	32.67' RT	---	MATCH EXISTING
1040	542+03.27DE	32.68' RT	---	MATCH EXISTING



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN DETAILS - DEWITT STREET	SHEET 54 E

2

2

MATCH LINE STA. 544+00 'DE'

SLOPE INTERCEPT (TYP.)

C-REV (5')

STA. 13+10.00 'CO'
BEGIN CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

STA. 12+22.66 'WP'
BEGIN CONSTRUCTION

WEST CONANT STREET

WEST PLEASANT STREET

DEWITT STREET

EAST CONANT STREET

EAST PLEASANT STREET

STA. 14+25.00 'CO'
END CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

NOTE: PLACE 6-INCH CONCRETE SIDEWALK (PAID AS CONC. DWY) AND 30-INCH CURB AND GUTTER TYPE J BETWEEN DRIVEWAYS

END CONSTRUCTION
STA. 549+75.00 'DE'

STA. 20+43.89 'WP'
END CONSTRUCTION

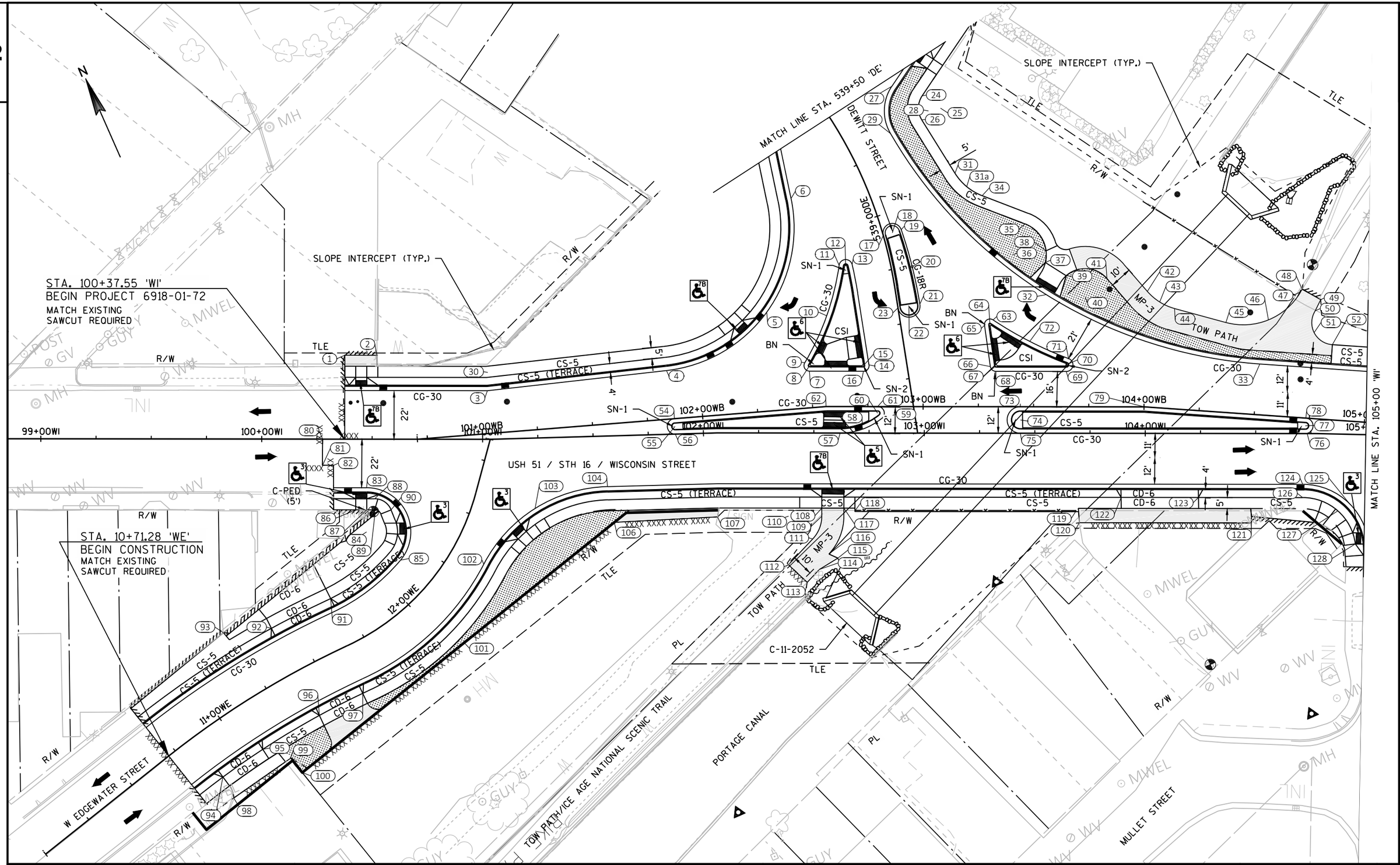
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN DETAILS - DEWITT STREET	SHEET 55	E

Sheet 11				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1100	544+04.34DE	20.00' LT	807.67	END 25:1 TAPER
1101	544+53.11DE	38.06' LT	---	MATCH EXISTING
1102	544+71.04DE	38.07' LT	---	MATCH EXISTING
1103	544+52.49DE	27.00' LT	---	MATCH SIDEWALK
1104	544+70.49DE	27.00' LT	---	MATCH SIDEWALK
1105	544+75.00DE	32.94' LT	809.56	END CPED
1106	545+77.90DE	20.00' LT	811.11	PC=20' RADIUS
1107	13+50.40CO	26.58' RT	811.32	20' RADIUS (CENTER)
1108	13+37.66CO	22.00' RT	811.60	PT=20' RADIUS
1109	13+24.50CO	22.00' RT	811.85	END CG-30
1110	545+86.34DE	33.00' LT	---	MATCH EXISTING
1111	13+16.25CO	23.90' LT	811.93	BEGIN 2.5:1 TAPER
1112	13+21.62CO	22.00' LT	811.94	END 2.5:1 TAPER C=20' RADIUS
1113	13+37.03CO	29.25' LT	812.03	20' RADIUS (CENTER)
1114	546+63.42DE	20.00' LT	812.23	PT=20' RADIUS
1115	13+22.41CO	32.88' LT	812.18	PC=8' RADIUS
1116	13+28.16CO	35.75' LT	812.63	8' RADIUS (CENTER)
1117	546+61.87DE	32.00' LT	812.53	PT=8' RADIUS
1118	547+14.50DE	33.19' LT	---	MATCH EXISTING
1119	547+23.46DE	33.07' LT	---	MATCH EXISTING
1120	547+81.95DE	33.20' LT	---	MATCH EXISTING
1121	548+01.31DE	33.29' LT	---	MATCH EXISTING
1122	548+60.18DE	33.58' LT	---	MATCH EXISTING
1123	548+69.07DE	33.61' LT	---	MATCH EXISTING
1124	548+93.91DE	19.96' LT	812.23	PC=25' RADIUS
1125	12+54.23WP	23.58' RT	812.18	25' RADIUS (CENTER)
1126	12+38.48WP	18.00' RT	812.12	PT=25' RADIUS
1127	12+28.30WP	18.00' RT	---	MATCH EXISTING
1128	12+49.95WP	34.38' RT	812.49	PC=3' RADIUS
1129	12+47.01WP	35.00' RT	???	3' RADIUS
1130	12+47.01WP	32.00' RT	812.76	PT=3' RADIUS
1131	12+19.44WP	26.50' RT	---	MATCH EXISTING
1132	12+23.00WP	18.00' LT	---	MATCH EXISTING
1133	12+33.79WP	17.96' LT	811.90	PC=18' RADIUS
1134	12+47.07WP	24.66' LT	811.53	18' RADIUS (CENTER)
1135	549+69.45DE	15.18' LT	811.08	PT=18' RADIUS
1136	549+74.81DE	14.78' LT	---	MATCH EXISTING
1137	12+27.80WP	26.53' LT	---	MATCH EXISTING
1138	12+32.37WP	31.50' LT	812.36	PC=3' RADIUS
1139	12+34.81WP	32.54' LT	812.16	3' RADIUS (CENTER)

Sheet 11				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1140	12+35.32WP	35.11' LT	812.04	PT=3' RADIUS
1141	549+76.31DE	26.01' LT	---	MATCH EXISTING
1142	544+04.34DE	20.00' RT	807.69	END 25:1 TAPER
1143	544+41.69DE	26.99' RT	---	MATCH SIDEWALK
1144	544+58.70DE	26.96' RT	---	MATCH SIDEWALK
1145	544+41.64DE	39.51' RT	---	MATCH EXISITNG
1146	544+58.43DE	39.53' RT	---	MATCH EXISTING
1147	544+63.66DE	32.48' RT	809.35	END CPED
1148	545+68.96DE	20.00' RT	810.81	PC=20' RADIUS
1149	14+01.48CO	24.38' RT	811.09	20' RADIUS (CENTER)
1150	14+11.66CO	18.00' RT	811.38	PT=20' RADIUS
1151	14+04.05CO	29.87' RT	---	MATCH EXISTING
1152	14+17.96CO	26.75' LT	---	MATCH SIDEWALK
1153	14+10.18CO	18.00' LT	812.32	PC=20' RADIUS
1154	14+10.18CO	38.00' LT	???	20' RADIUS
1155	546+44.97DE	20.00' RT	812.27	PT=20' RADIUS
1156	13+97.92CO	31.54' LT	812.68	PC=1' RADIUS
1157	13+97.35CO	31.94' LT	812.62	1' RADIUS (CENTER)
1158	13+96.77CO	32.33' LT	812.67	PT=1' RADIUS
1159	546+61.02DE	27.00' RT	---	MATCH SIDEWALK
1160	546+81.02DE	27.00' RT	---	MATCH SIDEWALK
1161	547+15.08DE	27.00' RT	---	MATCH SIDEWALK
1162	547+45.08DE	27.00' RT	---	MATCH SIDEWALK
1163	546+43.97DE	34.00' RT	---	MATCH EXISTING
1164	547+54.79DE	34.60' RT	---	MATCH EXISITNG
1165	547+54.78DE	37.01' RT	---	MATCH EXISTING
1166	547+74.30DE	37.00' RT	---	MATCH EXISTING
1167	547+77.14DE	34.00' RT	---	MATCH EXISTING
1168	547+58.36DE	27.00' RT	---	MATCH SIDEWALK
1169	546+83.02DE	20.00' RT	812.55	TRANSITION CG-30 TO CG-30J
1170	547+13.08DE	20.00' RT	812.73	TRANSITION CG-30J TO CG-30
1171	547+74.36DE	27.00' RT	---	MATCH SIDEWALK
1172	548+35.26DE	27.00' RT	---	MATCH SIDEWALK
1173	548+32.26DE	34.00' RT	---	MATCH EXISTING
1174	548+34.76DE	37.01' RT	---	MATCH EXISTING
1175	548+59.36DE	27.00' RT	---	MATCH SIDEWALK
1176	548+58.94DE	37.00' RT	---	MATCH EXISTING
1177	548+63.21DE	34.00' RT	---	MATCH EXISTING
1178	548+80.28DE	34.00' RT	---	MATCH EXISTING
1179	20+43.91EP	33.50' RT	---	MATCH EXISITNG

Sheet 11				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1180	20+46.70EP	33.50' RT	---	MATCH EXISTING
1181	548+87.80DE	20.00' RT	812.23	PC=18' RADIUS
1182	20+39.18EP	34.00' RT	???	18' RADIUS
1183	20+39.18EP	16.00' RT	811.95	PT=18' RADIUS
1184	20+43.89EP	16.00' RT	---	MATCH EXISTING
1185	20+43.89EP	16.00' LT	---	MATCH EXISTING
1186	20+31.80EP	16.00' LT	811.73	PC=18' RADIUS
1187	20+19.20EP	21.15' LT	811.60	18' RADIUS (CENTER)
1188	549+55.74DE	14.98' RT	811.42	PT=18' RADIUS
1189	20+39.98EP	30.00' LT	---	MATCH EXISTING
1190	20+33.82EP	30.00' LT	812.27	PC=3' RADIUS
1191	20+31.72EP	30.86' LT	812.26	3' RADIUS (CENTER)
1192	20+30.82EP	32.94' LT	812.24	PT=3' RADIUS

2



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN DETAILS - WISCONSIN STREET	SHEET 57	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PD (WI).DWG
LAYOUT NAME - 021201
PLOT DATE : 7/22/2020 1:28 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

Sheet 1				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1	100+37.58WI	38.00' LT	---	MATCH EXISITNG
2	100+52.13WI	37.98' LT	---	MATCH EXISITNG
3	101+02.15WI	22.00' LT	795.82	END 9:1 TAPER
4	101+85.35WB	21.99' LT	794.94	BEGIN 9:1 TAPER PC=65' RADIUS
5	102+28.60WI	54.72' LT	794.35	65' RADIUS (CENTER)
6	539+24.10DE	33.30' LT	795.69	PT=65' RADIUS
7	102+49.85WB	16.56' LT	794.42	PC=2.5' RADIUS
8	538+37.80DE	43.65' LT	794.90	2.5' RADIUS
9	538+39.39DE	45.57' LT	794.52	PT=2.5' RADIUS PC=120' RADIUS
10	538+58.90DE	32.43' LT	794.67	120' RADIUS (CENTER)
11	538+82.41DE	22.79' LT	794.91	PT=120' RADIUS PC=3' RADIUS
12	538+81.18DE	20.00' LT	795.21	3' RADIUS
13	538+81.18DE	17.00' LT	794.74	PT=3' RADIUS
14	538+33.97DE	17.00' LT	794.23	PC=2.5' RADIUS
15	538+33.97DE	19.50' LT	794.67	2.5' RADIUS
16	102+72.98WB	16.00' LT	794.25	PT=2.5' RADIUS
17	538+90.93DE	0.00'	795.37	PC=4' RADIUS
18	538+90.93DE	4.25' RT	795.82	4' RADIUS
19	538+91.15DE	8.49' RT	795.21	PT=4' RADIUS PC=198' RADIUS
20	538+74.49DE	9.39' RT	794.70	198' RADIUS (CENTER)
21	538+57.43DE	10.00' RT	794.26	PT=198' RADIUS PC=5' RADIUS
22	538+57.43DE	5.00' RT	794.88	5' RADIUS
23	538+57.43DE	0.00'	794.46	PT=5' RADIUS
24	539+37.71DE	40.88' RT	797.36	PC=10' RADIUS
25	539+30.45DE	45.54' RT	796.58	10' RADIUS
26	539+29.78DE	35.57' RT	797.31	PT=10' RADIUS
27	539+46.80DE	31.33' RT	796.97	PC=20' RADIUS
28	539+31.59DE	40.14' RT	796.86	20' RADIUS
29	539+30.64DE	20.17' RT	796.50	PT=20' RADIUS PC=210' RADIUS
30	101+02.28WI	30.29' LT	796.30	212' RADIUS
31	539+06.05DE	39.62' RT	796.23	PT=25' RADIUS PC=150' RADIUS
31a	538+99.84DE	42.62' RT	795.86	25' RADIUS (CENTER)
32	538+52.91DE	67.22' RT	792.87	210' RADIUS (CENTER)
33	104+50.96WB	23.00' LT	792.18	PT=210' RADIUS
34	538+94.96DE	48.01' RT	795.49	PC=25' RADIUS
35	538+81.38DE	63.39' RT	794.48	PC=15' RADIUS
36	538+71.67DE	55.28' RT	793.91	15' RADIUS
37	538+67.20DE	69.08' RT	793.58	PT=15' RADIUS
38	538+71.04DE	70.29' RT	793.68	TRANSITION FROM CS-5 TO MP-3
39	538+59.94DE	77.51' RT	793.43	PC=13' RADIUS
40	103+73.31WB	49.57' LT	793.23	13' RADIUS
41	103+83.16WB	58.04' LT	793.59	PT=13' RADIUS
42	104+00.20WB	52.29' LT	793.35	PC=25' RADIUS
43	104+03.77WB	47.84' LT	793.23	25' RADIUS (CENTER)
44	104+10.71WB	45.35' LT	793.12	PT=25' RADIUS
45	104+34.33WB	40.65' LT	792.91	PC=30' RADIUS

Sheet 1				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
46	104+53.45WB	43.17' LT	792.56	30' RADIUS (CENTER)
47	104+67.09WB	56.81' LT	---	PT=30' RADIUS
48	104+67.71WB	58.07' LT	---	MATCH EXISTING
49	104+76.43WB	54.01' LT	792.40	MATCH EXISTING
50	104+74.27WB	48.75' LT	---	PC=10' RADIUS
51	104+74.46WB	38.86' LT	792.67	10' RADIUS (CENTER)
52	104+83.08WB	34.00' LT	792.56	PT=10' RADIUS
53	104+83.08WB	34.00' LT	792.56	TRANSITION FROM MP-3 TO CS-5
54	101+87.20WB	0.00'	795.36	PC=3.5' RADIUS END 12.5:1 TAPER
55	101+87.24WI	3.50' LT	795.30	3.5' RADIUS
56	101+87.24WI	0.00'	795.21	PT=3.5' RADIUS
57	102+61.87WI	0.00'	794.39	PC=30' RADIUS
58	102+71.87WI	1.72' LT	794.30	30' RADIUS (CENTER)
59	102+81.29WB	5.33' RT	794.30	PT=30' RADIUS PC=3' RADIUS
60	102+79.40WB	3.00' RT	794.31	3' RADIUS
61	102+79.40WB	0.00'	794.34	PC=3' RADIUS
62	102+56.08WB	0.00'	794.60	BEGIN 12.5:1 TAPER
63	538+45.32DE	41.66' RT	793.52	PC=2.5' RADIUS PT=170' RADIUS
64	538+43.48DE	39.97' RT	793.91	2.5' RADIUS
65	538+43.51DE	37.47' RT	793.49	PT=2.5' RADIUS
66	103+30.43WB	18.15' LT	793.57	PC=2.5' RADIUS
67	103+32.90WB	18.50' LT	794.00	2.5' RADIUS
68	103+32.90WB	16.00' LT	793.58	PT=2.5' RADIUS
69	103+64.78WB	16.00' LT	793.10	PC=3' RADIUS
70	103+64.78WB	19.00' LT	793.47	3' RADIUS
71	103+65.84WB	21.81' LT	792.93	PT=3' RADIUS PC=170' RADIUS
72	538+33.13DE	56.55' RT	793.24	170' RADIUS (CENTER)
73	103+44.01WB	0.00'	793.62	PC=6' RADIUS
74	103+43.46WI	6.00' LT	793.55	6' RADIUS
75	103+43.48WI	0.00'	793.49	PT=6' RADIUS
76	104+73.27WI	0.10' LT	792.42	PC=3.5' RADIUS
77	104+72.45WI	3.50' LT	792.84	3.5' RADIUS
78	104+73.43WB	0.00'	792.54	PT=3.5' RADIUS BEGIN 15:1 TAPER
79	103+99.64WI	12.00' LT	---	END 15:1 TAPER
80	100+27.58WI	0.00'	---	MATCH EXISTING
81	100+27.58WI	11.83' RT	---	MATCH EXISTING
82	100+32.52WI	11.87' RT	???	MATCH EXISTING
83	100+47.50WI	22.00' RT	796.32	PC=20' RADIUS
84	100+47.50WI	42.00' RT	796.96	20' RADIUS
85	100+62.91WI	54.74' RT	796.29	PT=20' RADIUS
86	100+42.58WI	32.00' RT	796.57	BEGIN C-PED
87	100+47.58WI	32.00' RT	796.52	END C-PED
88	100+51.15WI	27.00' RT	796.63	PC=8' RADIUS
89	100+51.15WI	35.00' RT	796.73	8' RADIUS
90	100+58.58WI	32.02' RT	---	PT=8' RADIUS
91	11+69.28WE	22.50' LT	---	MATCH SIDEWALK

Sheet 1				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
92	11+40.16WE	22.50' LT	---	MATCH SIDEWALK
93	11+21.59WE	31.66' LT	---	MATCH EXISTING
94	10+85.34WE	22.50' RT	---	MATCH SIDEWALK
95	11+08.60WE	22.50' RT	---	MATCH SIDEWALK
96	11+40.28WE	22.50' RT	---	MATCH SIDEWALK
97	11+63.63WE	22.50' RT	---	MATCH SIDEWALK
98	10+83.45WE	33.03' RT	---	MATCH EXISTING
99	11+17.78WE	32.69' RT	---	MATCH EXISTING
100	11+18.88WE	40.99' RT	---	MATCH EXISTING
101	12+05.32WE	30.01' RT	796.54	MATCH EXISTING
102	12+33.22WE	15.67' RT	795.55	PC=65' RADIUS
103	12+60.02WE	27.74' RT	795.40	65' RADIUS (CENTER)
104	101+55.93WI	22.91' RT	---	PT=65' RADIUS
106	101+58.55WI	39.18' RT	---	MATCH EXISTING
107	102+05.35WI	38.02' RT	---	MATCH EXISTING
108	102+53.61WI	34.00' RT	793.96	TRANSITION FROM MP-3 TO CS-5
109	102+53.61WI	37.67' RT	793.85	PT=15' RADIUS
110	102+38.61WI	37.67' RT	---	15' RADIUS
111	102+49.55WI	47.94' RT	792.90	PC=15' RADIUS
112	102+38.55WI	59.66' RT	---	MATCH EXISTING
113	102+47.05WI	67.60' RT	---	MATCH EXISTING
114	102+52.55WI	61.76' RT	---	MATCH EXISTING
115	102+60.98WI	56.61' RT	---	MATCH EXISTING
116	102+56.84WI	54.78' RT	---	MATCH EXISTING
117	102+63.61WI	34.00' RT	793.85	BEGIN MP-3
118	102+68.79WI	35.00' RT	794.12	BEGIN FENCE
119	103+68.82WI	35.00' RT	793.40	END FENCE
120	103+70.20WI	40.50' RT	---	MATCH EXISTING
121	104+48.12WI	40.50' RT	---	MATCH EXISTING
122	103+89.11WI	29.00' RT	---	MATCH SIDEWALK
123	104+24.12WI	29.00' RT	---	MATCH SIDEWALK
124	104+71.35WI	23.00' RT	791.97	PC=30' RADIUS
125	11+08.44WR	27.01' LT	791.54	30' RADIUS (CENTER)
126	104+71.35WI	29.00' RT	792.55	PC=24' RADIUS
127	11+05.15WR	32.33' LT	791.95	24' RADIUS (CENTER)
128	10+90.39WR	24.01' LT	791.26	PT=24' RADIUS

2

2

N

E MULLET STREET

STA. 10+57.00 'EM'
END CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

DODGE STREET

STA. 10+82.00 'DS'
END CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

SLOPE INTERCEPT (TYP.)

C-PED (15')

MATCH LINE STA. 105+00 'WI'

MATCH LINE STA. 111+00 'WI'

USH 51 / STH 16 / WISCONSIN STREET

WARREN STREET

STA. 10+80.00 'WR'
BEGIN CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

CS-5
CS-5 (TERRACE)
CG-30
CD-6
CG-18
TLE
R/W
5'
4'
11'
12'

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN DETAILS - WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PD (WI).DWG
LAYOUT NAME - 021201 (1)
PLOT DATE : 7/22/2020 1:28 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

Sheet 2				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
200	106+06.45WB	23.00' LT	791.51	END 5:1 TAPER
201	106+36.67WI	26.45' LT	791.31	END 5:1 TAPER PT=30' RADIUS
202	10+36.08EM	28.85' LT	791.08	30' RADIUS (CENTER)
203	10+56.31EM	21.00' LT	790.80	PC=30' RADIUS
204	106+35.65WI	37.41' LT	791.74	PT=20.5' RADIUS
205	10+43.84EM	36.66' LT	791.30	20.5' RADIUS (CENTER)
206	10+56.95EM	31.25' LT	???	PC=20.5' RADIUS
207	10+51.16EM	21.00' RT	790.79	PC=28' RADIUS
208	107+14.36WI	31.23' LT	790.94	28' RADIUS (CENTER)
209	107+34.19WI	23.00' LT	791.06	PT=28' RADIUS
210	10+52.18EM	26.50' RT	---	MATCH SIDEWALK PC=22' RADIUS
211	10+35.70EM	32.85' RT	791.12	22' RADIUS (CENTER)
212	107+33.69WI	29.00' LT	791.49	PT=22' RADIUS
213	10+49.87EM	33.68' RT	---	MATCH EXISTING
214	10+41.06EM	41.47' RT	---	MATCH EXISTING
215	107+69.91WI	29.00' LT	---	MATCH SIDEWALK
216	107+98.91WI	29.00' LT	---	MATCH SIDEWALK
217	108+13.08WI	41.00' LT	---	MATCH EXISTING
218	108+19.81WI	34.00' LT	---	MATCH EXISTING
219	108+61.34WI	34.00' LT	791.30	BEGIN C-PED
220	10+41.58DS	31.51' LT	791.40	END C-PED
221	108+70.62WI	23.00' LT	790.63	PT=10' RADIUS
222	10+33.07DS	29.75' LT	790.84	10' RADIUS
223	10+39.07DS	21.75' LT	790.86	PC=10' RADIUS PT=15' RADIUS
224	10+48.07DS	9.75' LT	790.98	15' RADIUS
225	10+48.07DS	24.75' LT	791.08	PC=15' RADIUS
226	10+59.98DS	28.76' RT	790.93	TRANSITION FROM 6' TO 5' SIDEWALK
227	10+37.90DS	24.75' RT	790.25	PC=15' RADIUS
228	10+37.80DS	39.78' RT	791.30	15' RADIUS
229	109+40.11WI	23.00' LT	790.35	PT=15' RADIUS
230	10+38.08DS	37.44' RT	790.77	PC=5' RADIUS
231	10+35.08DS	39.14' RT	790.62	5' RADIUS (CENTER)

Sheet 2				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
232	109+42.73WI	34.00' LT	790.67	PT=5' RADIUS
233	109+50.20WI	38.30' LT	---	MATCH EXISTING
234	109+57.21WI	38.41' LT	---	MATCH EXISTING
235	110+11.94WI	29.00' LT	---	MATCH SIDEWALK
236	110+38.96WI	29.00' LT	---	MATCH SIDEWALK
237	110+13.14WI	38.00' LT	---	MATCH EXISTING
238	110+38.70WI	38.00' LT	---	MATCH EXISTING
239	110+88.54WI	39.51' LT	---	MATCH EXISTING
240	110+86.58WI	29.00' LT	---	MATCH SIDEWALK
241	10+91.78WR	23.52' RT	791.01	PC=30' RADIUS
242	10+87.14WR	53.16' RT	792.30	30' RADIUS
243	105+73.39WI	23.00' RT	791.62	PT=30' RADIUS
244	10+67.19WR	37.51' RT	---	MATCH EXISTING
245	105+96.30WI	34.02' RT	---	MATCH EXISTING
246	107+34.66WI	29.00' RT	---	MATCH SIDEWALK
247	107+62.64WI	29.00' RT	---	MATCH SIDEWALK
248	107+34.09WI	42.50' RT	---	MATCH EXISTING
249	107+59.95WI	42.50' RT	---	MATCH EXISTING
250	107+78.55WI	39.82' RT	---	MATCH EXISTING
251	107+83.48WI	39.67' RT	---	MATCH EXISTING
252	109+44.21WI	38.92' RT	---	MATCH EXISTING
253	109+50.64WI	39.00' RT	---	MATCH EXISTING
254	110+29.59WI	44.00' RT	---	MATCH EXISTING
255	110+48.94WI	44.00' RT	---	MATCH EXISTING
256	110+32.77WI	29.00' RT	---	MATCH SIDEWALK
257	110+47.78WI	29.00' RT	---	MATCH SIDEWALK
258	110+88.38WI	37.00' RT	---	MATCH EXISTING
259	110+88.35WI	29.00' RT	---	MATCH SIDEWALK
260	10+87.39WR	17.74' LT	791.01	PT=30' RADIUS
261	105+50.59WI	65.86' RT	???	SIDEWALK JOINT
262	105+82.23WI	34.00' RT	792.19	SIDEWALK JOINT
263	105+82.23WI	29.00' RT	792.12	SIDEWALK JOINT

2

STA. 10+55.00 'PS'
END CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

STA. 10+77.00 'BS'
END CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

PAUQUETTE STREET

BRADY STREET

R/W

CANTILEVER SIGN STRUCTURE
(SEE DETAIL)

C-PED
(40')

SLOPE INTERCEPT (TYP.)

TLE

CS-5

CS-5 (TERRACE)

CD-6

CG-30

25'

5'

4'

12'

11'

MATCH LINE STA. 111+00 'WI'

MATCH LINE STA. 117+00 'WI'

112+00WI

113+00WI

114+00WI

115+00WI

116+00WI

USH 51 / STH 16 / WISCONSIN STREET

C-PED
(15')

SLOPE INTERCEPT (TYP.)

8" OF 3/4-INCH BASE AGG. DENSE
IN PARKING LOT AREA
(SEE DETAIL)

PARKING LOT
TO BE CONSTRUCTED
BY OTHERS

SIGN

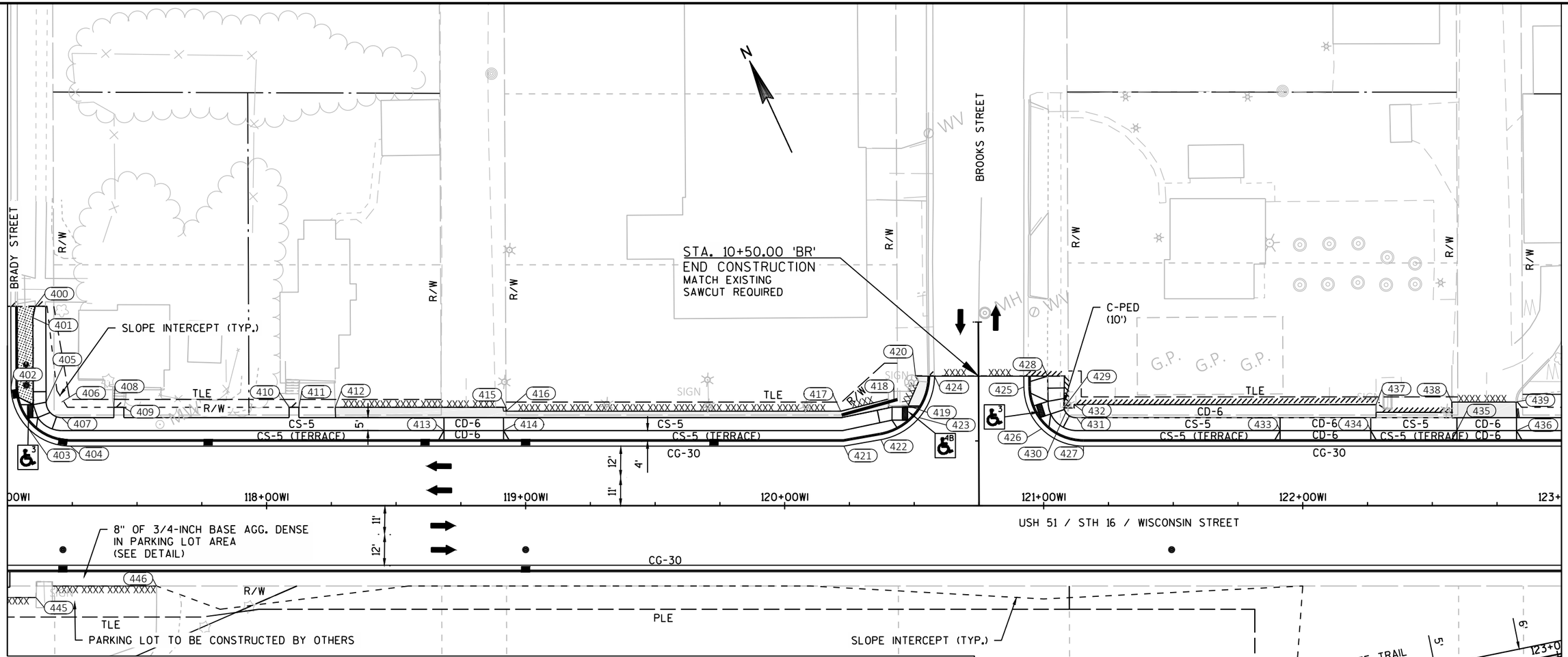
GUY

BIKE PATH

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN DETAILS - WISCONSIN STREET	SHEET 61	E

Sheet 3				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
300	111+09.58WI	29.00' LT	---	MATCH SIDEWALK
301	111+59.19WI	29.00' LT	---	MATCH SIDEWALK
302	111+59.05WI	42.48' LT	---	MATCH EXISTING
303	111+59.08WI	39.48' LT	---	MATCH EXISTING
304	111+98.27WI	42.47' LT	---	MATCH EXISTING
305	111+94.20WI	29.00' LT	---	MATCH SIDEWALK
306	112+25.34WI	38.00' LT	---	MATCH EXISTING
307	112+29.06WI	38.00' LT	---	MATCH EXISTING
308	112+40.94WI	23.00' LT	789.30	BEGIN 5:1 TAPER
309	112+54.82WI	25.45' LT	789.21	END 5:1 TAPER PC=25' RADIUS
310	10+34.07PS	23.37' LT	788.96	25' RADIUS (CENTER)
311	10+50.04PS	17.50' LT	788.86	PT=25' RADIUS
312	112+53.25WI	36.34' LT	789.46	PC=10' RADIUS
313	10+39.88PS	33.79' LT	789.32	10' RADIUS (CENTER)
314	10+46.36PS	31.47' LT	789.58	PT=10' RADIUS
315	10+54.93PS	31.70' RT	790.01	BEGIN C-PED
316	10+45.91PS	17.50' RT	788.85	PC=23' RADIUS
317	10+29.66PS	24.22' RT	788.93	23' RADIUS (CENTER)
318	113+33.49WI	23.00' LT	788.98	PT=23' RADIUS
319	10+38.42PS	31.70' RT	789.21	PC=4.5' RADIUS
320	10+35.24PS	33.01' RT	789.43	4.5' RADIUS (CENTER)
321	113+29.20WI	34.00' LT	789.41	PT=4.5' RADIUS
322	113+45.64WI	34.00' LT	789.83	END C-PED
323	114+04.88WI	40.00' LT	---	MATCH EXISTING
324	114+10.79WI	40.00' LT	---	MATCH EXISTING
325	114+31.40WI	29.00' LT	---	MATCH SIDEWALK
326	114+61.40WI	29.00' LT	---	MATCH SIDEWALK
327	114+77.70WI	29.00' LT	---	MATCH SIDEWALK
328	114+95.70WI	29.00' LT	---	MATCH SIDEWALK
329	114+77.45WI	40.00' LT	---	MATCH EXISTING
330	114+77.44WI	41.98' LT	---	MATCH EXISTING
331	114+95.94WI	42.00' LT	---	MATCH EXISTING

Sheet 3				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
332	116+31.88WI	23.00' LT	788.06	BEGIN 5:1 TAPER
333	116+45.71WI	25.44' LT	788.03	END 5:1 TAPER PC=25' RADIUS
334	10+34.11BS	23.38' LT	787.99	25' RADIUS (CENTER)
335	10+50.22BS	17.50' LT	788.13	PT=25' RADIUS
336	116+42.12WI	35.98' LT	788.28	PC=10' RADIUS
337	10+39.19BS	36.17' LT	788.40	10' RADIUS (CENTER)
338	10+45.03BS	33.55' LT	788.61	PT=10' RADIUS
339	10+73.09BS	28.29' LT	788.91	BEGIN 4:1 TAPER
340	10+77.20BS	29.21' LT	???	END 4:1 TAPER
341	111+63.22WI	70.97' RT	---	MATCH EXISTING
342	111+68.22WI	70.97' RT	---	MATCH EXISTING
343	112+47.09WI	34.00' RT	790.77	BEGIN C-PED
344	112+62.09WI	34.00' RT	790.76	END C-PED
345	113+27.30WI	34.00' RT	790.40	BEGIN C-PED
346	113+42.30WI	34.00' RT	790.51	END C-PED
347	114+62.77WI	39.92' RT	---	MATCH EXISTING
348	115+14.41WI	40.14' RT	---	MATCH EXISTING
349	115+15.94WI	36.10' RT	---	MATCH EXISTING
350	115+25.80WI	36.18' RT	---	MATCH EXISTING
351	115+26.95WI	40.24' RT	---	MATCH EXISTING
352	115+61.38WI	40.33' RT	---	MATCH EXISTING
353	114+42.14WI	34.00' RT	790.16	BEGIN 4:1 TAPER
354	114+52.14WI	31.50' RT	790.08	END 4:1 TAPER
355	114+62.56WI	31.50' RT	---	MATCH SIDEWALK
356	114+89.56WI	31.50' RT	---	MATCH SIDEWALK
357	115+63.63WI	31.50' RT	---	MATCH SIDEWALK
358	115+93.63WI	31.50' RT	---	MATCH SIDEWALK
359	116+57.90WI	31.47' RT	---	MATCH SIDEWALK
360	116+92.90WI	31.50' RT	---	MATCH SIDEWALK



Sheet 4				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
400	10+76.90BS	26.94' RT	---	MATCH EXISTING BEGIN 4:1 SIDEWALK TAPER
401	10+72.50BS	26.00' RT	788.61	END 4:1 SIDEWALK TAPER
402	10+45.85BS	17.50' RT	788.07	PC= 23' RADIUS
403	10+29.62BS	24.21' RT	788.20	23' RADIUS (CENTER)
404	117+24.38WI	23.00' LT	788.38	PT=23' RADIUS
405	10+39.86BS	31.00' RT	788.36	PC=6' RADIUS
406	10+39.86BS	37.00' RT	789.30	6' RADIUS
407	117+20.90WI	34.00' LT	788.91	PT=6' RADIUS
408	117+41.03WI	38.00' LT	---	MATCH EXISTING
409	117+44.90WI	38.00' LT	---	MATCH EXISTING
410	118+08.66WI	38.00' LT	---	MATCH EXISTING
411	118+12.48WI	38.00' LT	---	MATCH EXISTING
412	118+26.49WI	38.00' LT	---	MATCH EXISTING
413	118+68.48WI	29.00' LT	---	MATCH SIDEWALK
414	118+91.48WI	29.00' LT	---	MATCH SIDEWALK

Sheet 4				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
415	118+92.45WI	38.00' LT	---	MATCH EXISTING
416	118+92.45WI	36.50' LT	---	MATCH EXISTING
417	120+21.63WI	36.50' LT	---	MATCH EXISTING
418	10+40.77BR	32.67' LT	---	MATCH EXISTING
419	10+38.63BR	27.26' LT	---	MATCH EXISTING
420	10+50.13BR	24.31' LT	---	MATCH EXISTING
421	120+22.91WI	23.00' LT	789.86	BEGIN 5:1 TAPER
422	120+37.18WI	25.52' LT	789.91	END 5:1 TAPER PC=25' RADIUS
423	10+34.10BR	22.96' LT	789.76	25' RADIUS (CENTER)
424	10+50.07BR	17.00' LT	???	PT=25' RADIUS
425	10+45.84BR	17.50' RT	789.41	PC=23' RADIUS
426	10+29.61BR	24.20' RT	789.83	23' RADIUS (CENTER)
427	121+15.35WI	23.00' LT	790.09	PT=23' RADIUS
428	10+49.90BR	26.66' RT	---	MATCH SIDEWALK
429	10+37.67BR	32.92' RT	790.07	PC=5' RADIUS

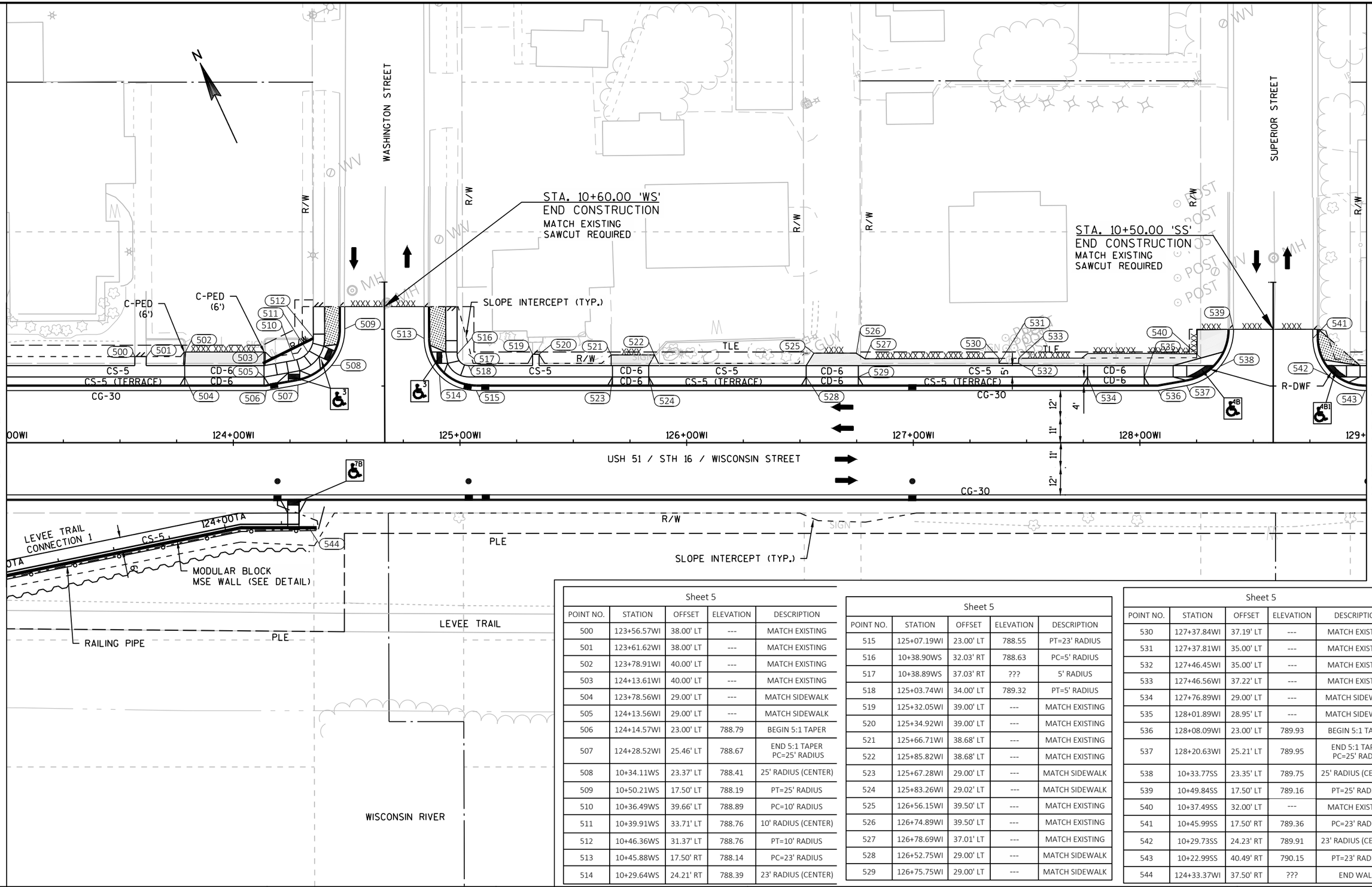
Sheet 4				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
430	10+35.87BR	33.64' RT	790.15	5' RADIUS (CENTER)
431	10+33.85BR	37.79' RT	790.41	PT=5' RADIUS
432	121+11.78WI	39.02' LT	---	MATCH EXISTING
433	121+91.24WI	29.00' LT	---	MATCH SIDEWALK
434	122+26.24WI	28.99' LT	---	MATCH SIDEWALK
435	122+59.50WI	29.00' LT	---	MATCH SIDEWALK
436	122+82.51WI	28.96' LT	---	MATCH SIDEWALK
437	122+28.28WI	39.00' LT	---	MATCH EXISTING
438	122+57.58WI	40.00' LT	---	MATCH EXISTING
439	122+82.36WI	40.05' LT	---	MATCH EXISTING
440	121+97.04TA	0.04' LT	---	MATCH EXISTING
441	122+35.07TA	0.00'	798.32	PC=1.5' RADIUS
442	122+35.23TA	1.68' RT	???	1.5' RADIUS
443	122+34.73TA	2.96' RT	???	PT=1.5' RADIUS
444	122+74.97TA	3.06' RT	797.39	BEGIN WALL

Sheet 4				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
445	117+11.00WI	35.46' RT	???	Null Structure
446	117+57.55WI	31.00' RT	789.97	Null Structure

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN DETAILS - WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PD (WI).DWG
LAYOUT NAME - 021201 (3)

PLOT DATE : 7/22/2020 1:29 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT



Sheet 5				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
500	123+56.57WI	38.00' LT	---	MATCH EXISTING
501	123+61.62WI	38.00' LT	---	MATCH EXISTING
502	123+78.91WI	40.00' LT	---	MATCH EXISTING
503	124+13.61WI	40.00' LT	---	MATCH EXISTING
504	123+78.56WI	29.00' LT	---	MATCH SIDEWALK
505	124+13.56WI	29.00' LT	---	MATCH SIDEWALK
506	124+14.57WI	23.00' LT	788.79	BEGIN 5:1 TAPER
507	124+28.52WI	25.46' LT	788.67	END 5:1 TAPER PC=25' RADIUS
508	10+34.11WS	23.37' LT	788.41	25' RADIUS (CENTER)
509	10+50.21WS	17.50' LT	788.19	PT=25' RADIUS
510	10+36.49WS	39.66' LT	788.89	PC=10' RADIUS
511	10+39.91WS	33.71' LT	788.76	10' RADIUS (CENTER)
512	10+46.36WS	31.37' LT	788.76	PT=10' RADIUS
513	10+45.88WS	17.50' RT	788.14	PC=23' RADIUS
514	10+29.64WS	24.21' RT	788.39	23' RADIUS (CENTER)

Sheet 5				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
515	125+07.19WI	23.00' LT	788.55	PT=23' RADIUS
516	10+38.90WS	32.03' RT	788.63	PC=5' RADIUS
517	10+38.89WS	37.03' RT	???	5' RADIUS
518	125+03.74WI	34.00' LT	789.32	PT=5' RADIUS
519	125+32.05WI	39.00' LT	---	MATCH EXISTING
520	125+34.92WI	39.00' LT	---	MATCH EXISTING
521	125+66.71WI	38.68' LT	---	MATCH EXISTING
522	125+85.82WI	38.68' LT	---	MATCH EXISTING
523	125+67.28WI	29.00' LT	---	MATCH SIDEWALK
524	125+83.26WI	29.02' LT	---	MATCH SIDEWALK
525	126+56.15WI	39.50' LT	---	MATCH EXISTING
526	126+74.89WI	39.50' LT	---	MATCH EXISTING
527	126+78.69WI	37.01' LT	---	MATCH EXISTING
528	126+52.75WI	29.00' LT	---	MATCH SIDEWALK
529	126+75.75WI	29.00' LT	---	MATCH SIDEWALK

Sheet 5				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
530	127+37.84WI	37.19' LT	---	MATCH EXISTING
531	127+37.81WI	35.00' LT	---	MATCH EXISTING
532	127+46.45WI	35.00' LT	---	MATCH EXISTING
533	127+46.56WI	37.22' LT	---	MATCH EXISTING
534	127+76.89WI	29.00' LT	---	MATCH SIDEWALK
535	128+01.89WI	28.95' LT	---	MATCH SIDEWALK
536	128+08.09WI	23.00' LT	789.93	BEGIN 5:1 TAPER
537	128+20.63WI	25.21' LT	789.95	END 5:1 TAPER PC=25' RADIUS
538	10+33.77SS	23.35' LT	789.75	25' RADIUS (CENTER)
539	10+49.84SS	17.50' LT	789.16	PT=25' RADIUS
540	10+37.49SS	32.00' LT	---	MATCH EXISTING
541	10+45.99SS	17.50' RT	789.36	PC=23' RADIUS
542	10+29.73SS	24.23' RT	789.91	23' RADIUS (CENTER)
543	10+22.99SS	40.49' RT	790.15	PT=23' RADIUS
544	124+33.37WI	37.50' RT	???	END WALL

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN DETAILS - WISCONSIN STREET	SHEET 64	E

2

Sheet 6				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
636	134+39.58WI	0.00'	789.60	PC=3' RADIUS
637	134+39.92EB	3.00' LT	790.10	3' RADIUS
638	134+39.92EB	0.00'	789.71	PT=3' RADIUS BEGIN 25:1 TAPER
639	132+87.62EB	23.00' RT	788.73	BEGIN 25:1 TAPER
640	???TB	???' ???	---	MATCH EXISTING
641	134+34.94TB	2.98' RT	???	PC=1.5' RADIUS
642	134+33.66TB	1.39' RT	???	1.5' RADIUS (CENTER)
643	134+35.15TB	0.00'	797.95	PT=1.5' RADIUS
644	134+90.14TB	0.00'	796.29	TRANSITION FROM 10' TO 12' SIDEWALK
645	134+90.00TB	2.00' RT	796.86	BEGIN WALL

STA. 10+73.00 'MS'
END CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

SLOPE INTERCEPT (TYP.)

MICHIGAN STREET

R/W

MH

TLE

SIGN

CS-5

CS-5 (TERRACE)

CD-6

CG-30

CG-18

9-00

MATCH LINE STA. 129+00 'WI'

MATCH LINE STA. 135+00 'WI'

130+00WI

131+00WI

132+00WI

133+00WI

134+00WI

134+00EB

USH 51 / STH 16 / WISCONSIN STREET

SN-1

PLE

LEVEE TRAIL

LEVEE TRAIL CONNECTION 2

134+00TB

RAILING PIPE

WISCONSIN RIVER

Sheet 6				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
600	129+15.70WI	39.00' LT	---	MATCH EXISTING
601	129+19.43WI	39.00' LT	---	MATCH EXISTING
602	130+02.56WI	37.86' LT	---	MATCH EXISTING
603	130+66.52WI	37.99' LT	---	MATCH EXISTING
604	130+68.65WI	34.00' LT	---	MATCH EXISTING
605	130+45.67WI	29.00' LT	---	MATCH SIDEWALK
606	130+68.67WI	28.94' LT	---	MATCH SIDEWALK
607	130+77.35WI	35.85' LT	---	MATCH EXISTING
608	131+40.06WI	39.00' LT	---	MATCH EXISTING
609	132+02.81WI	39.00' LT	---	MATCH EXISTING
610	132+14.45WI	47.05' LT	---	MATCH EXISTING
611	131+61.98WI	29.00' LT	---	MATCH SIDEWALK
612	131+91.98WI	29.00' LT	---	MATCH SIDEWALK
613	131+98.98WI	23.00' LT	789.01	BEGIN 5:1 TAPER
614	132+12.85WI	25.44' LT	788.87	END 5:1 TAPER PC=25' RADIUS
615	10+34.01MS	23.35' LT	788.56	25' RADIUS (CENTER)
616	10+50.08MS	17.50' LT	788.26	PT=25' RADIUS
617	10+31.32MS	39.47' LT	789.28	PC=15' RADIUS

Sheet 6				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
618	10+39.19MS	28.76' LT	788.78	15' RADIUS (CENTER)
619	10+46.16MS	27.07' LT	788.89	PT=15' RADIUS
620	10+72.99MS	34.60' RT	---	MATCH EXISTING
621	10+54.88MS	26.49' RT	---	MATCH SIDEWALK
622	10+45.98MS	17.50' RT	788.29	PC=23' RADIUS
623	10+29.72MS	24.23' RT	788.55	23' RADIUS (CENTER)
624	132+91.51WI	23.00' LT	788.73	PT=23' RADIUS
625	10+38.58MS	31.28' RT	788.58	PC=4.5' RADIUS
626	10+35.34MS	32.56' RT	788.76	4.5' RADIUS (CENTER)
627	132+86.79WI	34.00' LT	789.04	PT=4.5' RADIUS
628	10+35.98MS	40.50' RT	---	MATCH EXISTING
629	133+78.54WI	36.00' LT	---	MATCH EXISTING
630	133+86.18WI	39.96' LT	---	MATCH EXISTING
631	133+86.26WI	29.00' LT	---	MATCH SIDEWALK
632	134+21.26WI	29.00' LT	---	MATCH SIDEWALK
633	134+35.72WI	29.00' LT	---	MATCH SIDEWALK
634	134+58.72WI	28.95' LT	---	MATCH SIDEWALK
635	134+70.36WI	29.00' LT	---	MATCH SIDEWALK

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN DETAILS - WISCONSIN STREET	SHEET 65	E

2

STA. 10+95.00 'WA'
END CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

STA. 10+75.00 'HS'
END CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

WAUONA STREET

HURON STREET

R/W

TLE

SLOPE INTERCEPT (TYP.)

CS-5
CS-5 (TERRACE)
CD-6
CG-30
CG-18

SN-1

R-DWF

MATCH LINE STA. 135+00 'WI'

MATCH LINE STA. 141+00 'WI'

136+00WI
137+00WI
138+00WI
139+00WI
140+00WI
136+00EB
137+00EB
138+00EB
139+00EB

USH 51 / STH 16 / WISCONSIN STREET

LEVEE TRAIL CONNECTION 2

136+00TB

REMOVE EXISTING STAIRS

CONNECTION TO EXISTING STAIRS (SEE DETAIL)

EXISTING STAIRS (TO REMAIN)

PLE

LEVEE TRAIL

RAILING PIPE

MODULAR BLOCK MSE WALL (SEE DETAIL)

WISCONSIN RIVER

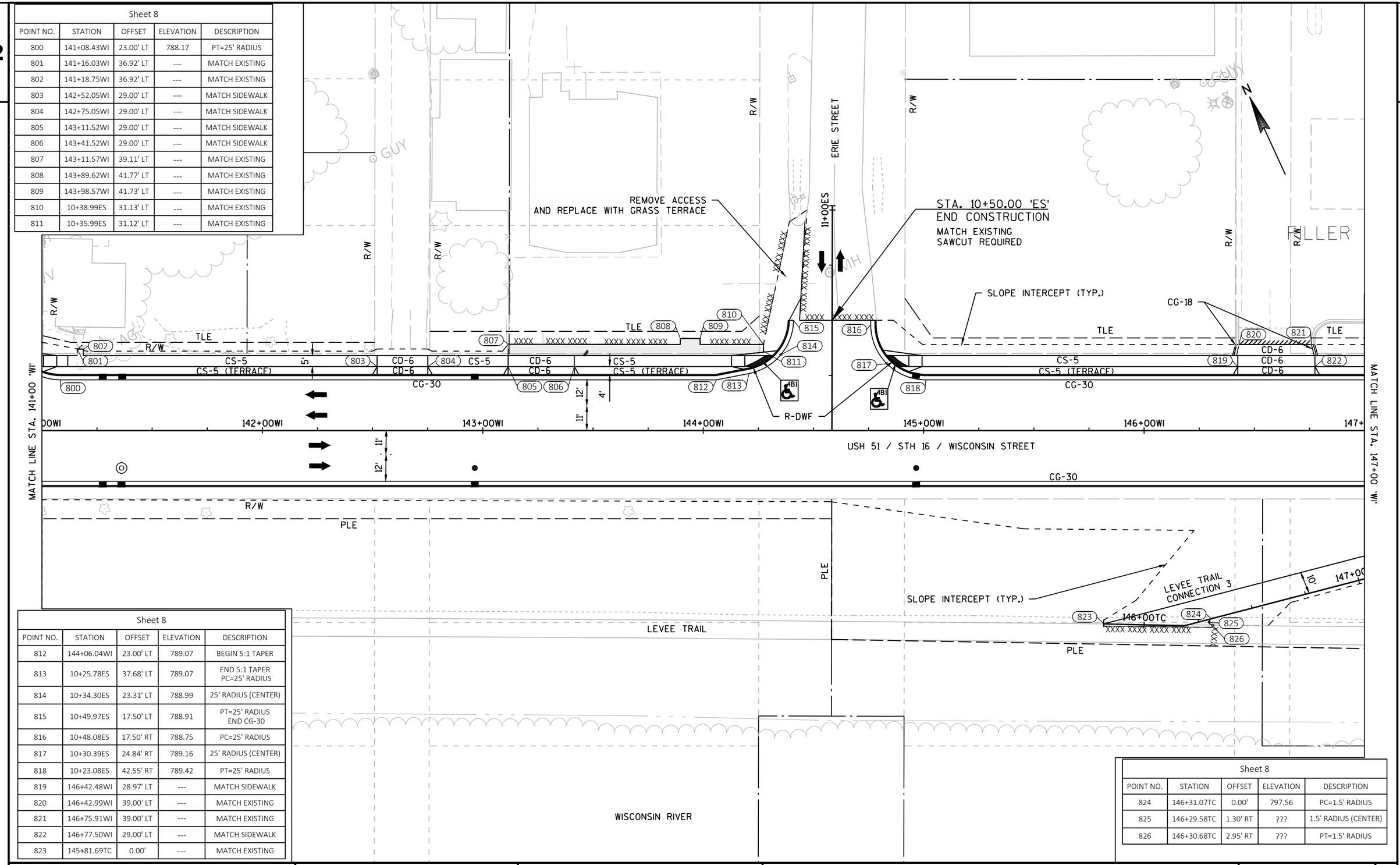
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN DETAILS - WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PD (WI).DWG
LAYOUT NAME - 021201 (6)
PLOT DATE : 7/22/2020 1:30 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

Sheet 7				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
700	135+00.38WI	38.99' LT	---	MATCH EXISTING
701	135+02.33WI	37.00' LT	---	MATCH EXISTING
702	135+89.54WI	37.00' LT	---	MATCH EXISTING
703	10+70.88WA	34.16' LT	---	MATCH EXISTING
704	10+95.23WA	32.26' LT	---	MATCH EXISTING
705	135+00.37WI	29.00' LT	---	MATCH SIDEWALK
706	135+64.53WI	29.00' LT	---	MATCH SIDEWALK
707	135+89.55WI	29.00' LT	---	MATCH SIDEWALK
708	10+37.10WA	58.15' LT	790.00	TRANSITION FROM 5' TO 10' SIDEWALK
709	10+42.14WA	58.05' LT	790.06	PC=20' RADIUS
710	10+46.02WA	48.68' LT	789.55	20' RADIUS (CENTER)
711	10+54.02WA	42.41' LT	788.97	PT=20' RADIUS
712	10+54.01WA	37.03' LT	788.86	TRANSITION FROM 10' TO 5' SIDEWALK BEGIN TAPER
713	10+81.55WA	29.40' LT	788.42	END TAPER
714	135+95.29WI	23.00' LT	789.73	BEGIN 5:1 TAPER
715	136+04.97WI	24.71' LT	789.70	END 5:1 TAPER PC=40' RADIUS
716	10+38.44WA	30.81' LT	789.09	40' RADIUS (CENTER)
717	10+64.22WA	21.48' LT	788.26	PT=40' RADIUS
718	10+83.09WA	21.50' RT	787.96	PC=60' RADIUS
719	10+40.63WA	39.11' RT	789.07	60' RADIUS (CENTER)
720	137+41.15WI	23.00' LT	789.58	PT=60' RADIUS
721	10+95.00WA	25.62' RT	---	MATCH EXISTING
722	10+83.88WA	27.73' RT	---	MATCH SIDEWALK
723	10+95.00WA	36.03' RT	---	MATCH EXISTING
724	10+53.05WA	50.00' RT	---	MATCH EXISTING
725	137+41.15WI	37.00' LT	---	MATCH EXISTING
726	10+72.33WA	35.12' RT	788.80	PC=51' RADIUS
727	10+45.79WA	52.00' RT	789.75	51' RADIUS (CENTER)

Sheet 7				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
728	137+44.15WI	34.00' LT	790.09	PT=51' RADIUS
729	138+72.35WI	29.11' LT	---	MATCH SIDEWALK
730	139+07.36WI	28.98' LT	---	MATCH SIDEWALK
731	139+49.89WI	37.00' LT	---	MATCH EXISTING
732	139+56.50WI	35.93' LT	---	MATCH EXISTING
733	139+56.47WI	34.00' LT	---	MATCH EXISTING
734	140+28.88WI	36.49' LT	---	MATCH EXISTING
735	140+28.80WI	34.76' LT	---	MATCH EXISTING
736	140+15.76WI	23.00' LT	788.48	BEGIN 5:1 TAPER
737	140+30.77WI	25.65' LT	788.36	END 5:1 TAPER PC=25' RADIUS
738	10+34.05HS	21.90' LT	788.10	25' RADIUS (CENTER)
739	10+49.97HS	16.00' LT	787.97	PT=25' RADIUS
740	10+48.79HS	18.54' LT	---	MATCH EXISTING
741	10+51.01HS	23.00' LT	---	MATCH EXISTING
742	10+74.97HS	23.00' LT	---	MATCH EXISTING
743	10+48.08HS	16.00' RT	787.81	PC=25' RADIUS
744	140+90.73WI	30.34' LT	788.01	25' RADIUS (CENTER)
745	136+27.48WI	0.00'	790.27	PC=3' RADIUS
746	136+27.48WI	3.00' RT	790.75	3' RADIUS
747	136+29.36EB	6.29' LT	790.37	PT=3' RADIUS 64' RADIUS
748	136+15.87EB	1.60' LT	790.43	64' RADIUS (CENTER)
749	136+01.68EB	0.01' LT	790.42	PT=64' RADIUS
750	135+92.81EB	0.00'	790.39	END 25:1 TAPER
751	135+93.21EB	23.00' RT	790.85	END 25:1 TAPER
752	136+62.47EB	23.02' RT	790.95	BEGIN 25:1 TAPER
753	139+69.18EB	23.00' RT	788.66	END 25:1 TAPER
754	136+22.91WI	55.52' RT	???	END WALL

Sheet 8				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
800	141+08.43WI	23.00' LT	788.17	PT=25' RADIUS
801	141+16.03WI	36.92' LT	---	MATCH EXISTING
802	141+18.75WI	36.92' LT	---	MATCH EXISTING
803	142+52.05WI	29.00' LT	---	MATCH SIDEWALK
804	142+75.05WI	29.00' LT	---	MATCH SIDEWALK
805	143+11.52WI	29.00' LT	---	MATCH SIDEWALK
806	143+41.52WI	29.00' LT	---	MATCH SIDEWALK
807	143+11.57WI	39.11' LT	---	MATCH EXISTING
808	143+89.62WI	41.77' LT	---	MATCH EXISTING
809	143+98.57WI	41.73' LT	---	MATCH EXISTING
810	10+38.99ES	31.13' LT	---	MATCH EXISTING
811	10+35.99ES	31.12' LT	---	MATCH EXISTING



Sheet 8				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
812	144+06.04WI	23.00' LT	789.07	BEGIN 5:1 TAPER
813	10+25.78ES	37.68' LT	789.07	END 5:1 TAPER PC=25' RADIUS
814	10+34.30ES	23.31' LT	788.99	25' RADIUS (CENTER)
815	10+49.97ES	17.50' LT	788.91	PT=25' RADIUS END CG-30
816	10+48.08ES	17.50' RT	788.75	PC=25' RADIUS
817	10+30.39ES	24.84' RT	789.16	25' RADIUS (CENTER)
818	10+23.08ES	42.55' RT	789.42	PT=25' RADIUS
819	146+42.48WI	28.97' LT	---	MATCH SIDEWALK
820	146+42.99WI	39.00' LT	---	MATCH EXISTING
821	146+75.91WI	39.00' LT	---	MATCH EXISTING
822	146+77.50WI	29.00' LT	---	MATCH SIDEWALK
823	145+81.69TC	0.00'	---	MATCH EXISTING

Sheet 8				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
824	146+31.07TC	0.00'	797.56	PC=1.5' RADIUS
825	146+29.58TC	1.30' RT	???	1.5' RADIUS (CENTER)
826	146+30.68TC	2.95' RT	???	PT=1.5' RADIUS

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN DETAILS - WISCONSIN STREET	SHEET 68 E

2

Sheet 9				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
900	147+78.53WI	34.00' LT	790.58	BEGIN 5:1 TAPER
901	148+01.24WI	43.41' LT	???	PC=12.5' RADIUS
902	148+09.52WI	46.34' LT	790.42	12.5' RADIUS (CENTER)
903	148+13.71WI	53.83' LT	790.07	PT=12.5' RADIUS
904	147+79.60WI	23.00' LT	789.95	BEGIN 5:1 TAPER
905	148+01.00WI	38.51' LT	790.42	END 5:1 TAPER TRANSITION FROM 5' TO 10' SIDEWALK
906	148+16.82WI	54.11' LT	790.05	TRANSITION FROM 10' TO 5' SIDEWALK
907	148+07.10WI	27.84' LT	790.20	END 5:1 TAPER PC=30' RADIUS
908	148+24.50WI	38.14' LT	789.97	30' RADIUS (CENTER)
909	148+31.09WI	57.47' LT	789.62	PT=30' RADIUS
910	148+17.07WI	99.47' LT	---	MATCH EXISTING
911	148+91.25WI	51.24' LT	---	MATCH EXISTING
912	148+64.08WI	77.77' LT	789.15	PC=45' RADIUS
913	148+76.90WI	47.49' LT	790.43	45' RADIUS (CENTER)
914	149+06.69WI	35.00' LT	791.26	PT=45' RADIUS END CG-30

Sheet 9				
POINT NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
915	150+28.90WI	37.00' LT	791.84	BEGIN 7:1 SHOULDER TAPER
916	150+62.01WI	32.00' LT	791.77	END 7:1 SHOULDER TAPER
917	150+21.58WI	23.00' RT	789.41	END CG-30 BEGIN 9:1 SHOULDER TAPER
918	150+78.41WI	32.21' RT	789.27	END 9:1 SHOULDER TAPER

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN DETAILS - WISCONSIN STREET	SHEET 69	E

2

N

WEST COOK STREET

508+00CS

509+00CS

510+00CS

511+00CS

EAST COOK STREET

MATCH LINE STA. 544'DE'+00

STA. 543+79.34 'DE'
MATCH EXISTING

807.54

544+

807.61

807.46

543+00DE

STA. 542+12.03 'DE'
MATCH EXISTING

542+00DE

804.64

804.08

804.15

803.52

803.68

804.13

803.12

803.68

802.64

802.11

801.43

800.71

799.84

798.88

796.99

798.78

798.08

798.95

541+00DE

802.94

802.31

801.63

800.91

800.14

798.45

799.31

540+00DE

DEWITT STREET

802.54

801.91

801.23

800.51

799.83

799.13

799.03

798.88

798.80

798.57

797.82

797.00

797.92

797.05

MATCH LINE STA. 539+50 'DE'

STA. 10+70.00 'EE'
END CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

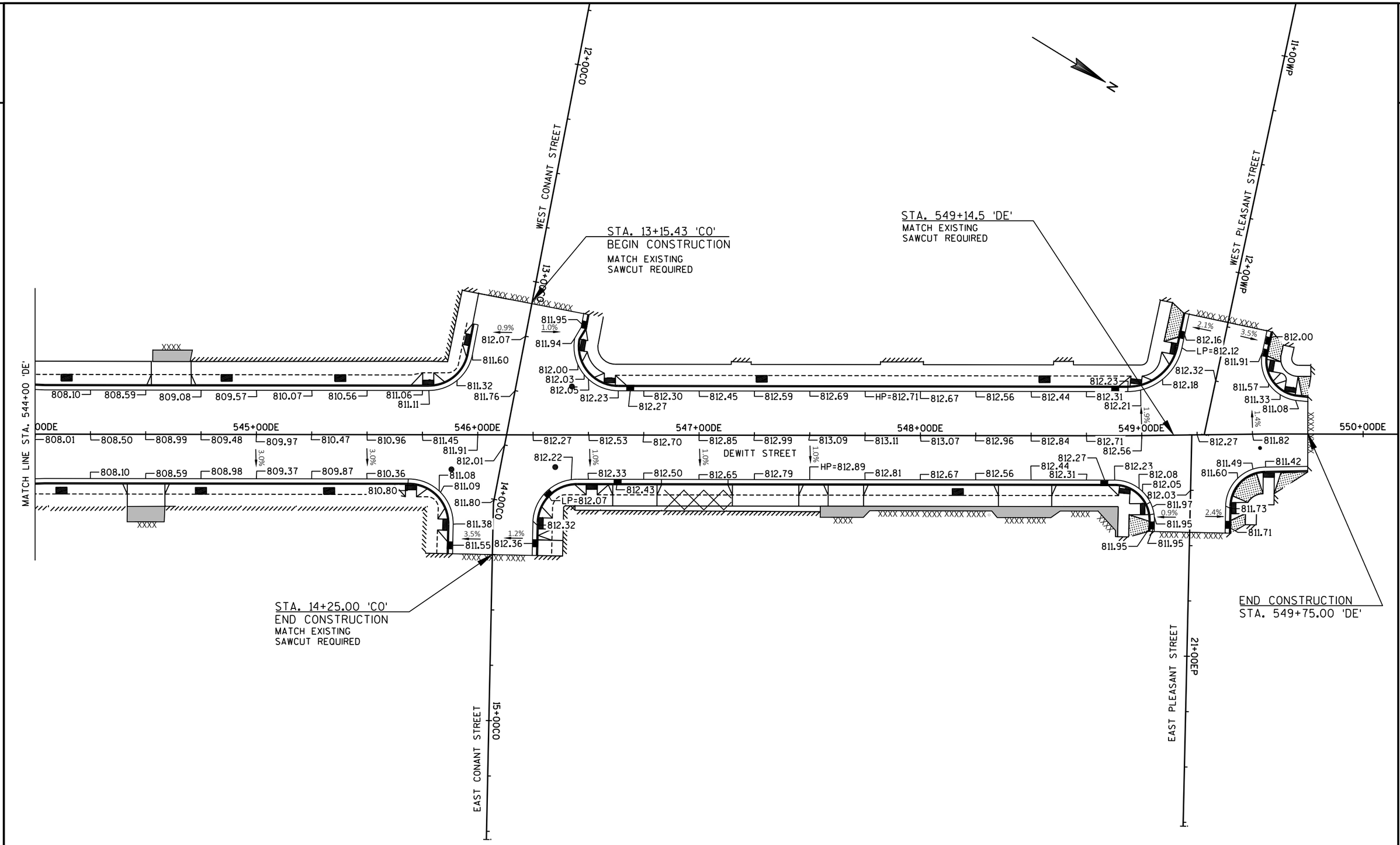
11+00EE

EAST EDGEWATER STREET

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PAVING DETAILS - DEWITT STREET	SHEET 70	E

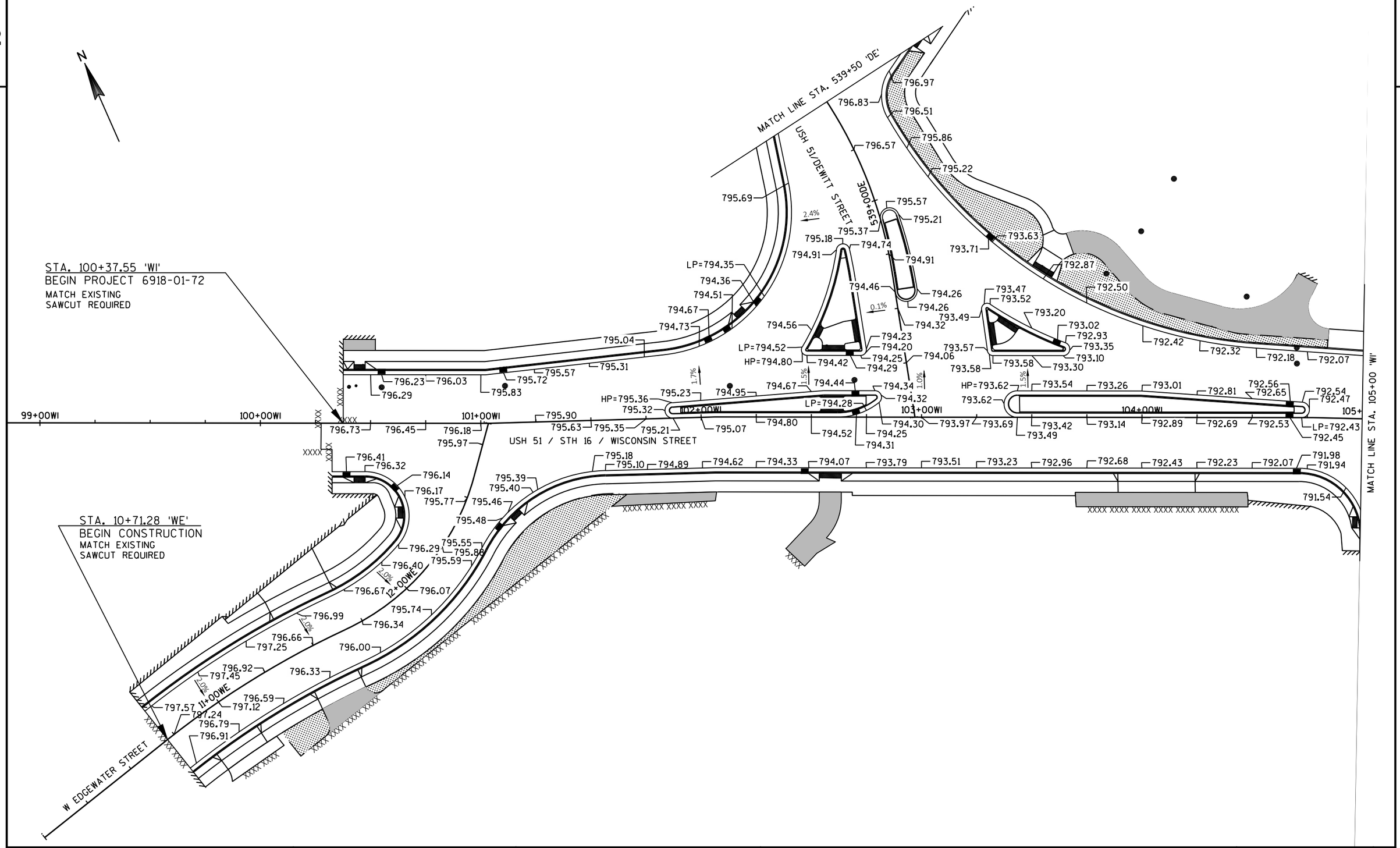
FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PV (DEWITT).DWG
LAYOUT NAME - SHEET - (1)
PLOT DATE : 7/22/2020 1:53 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2



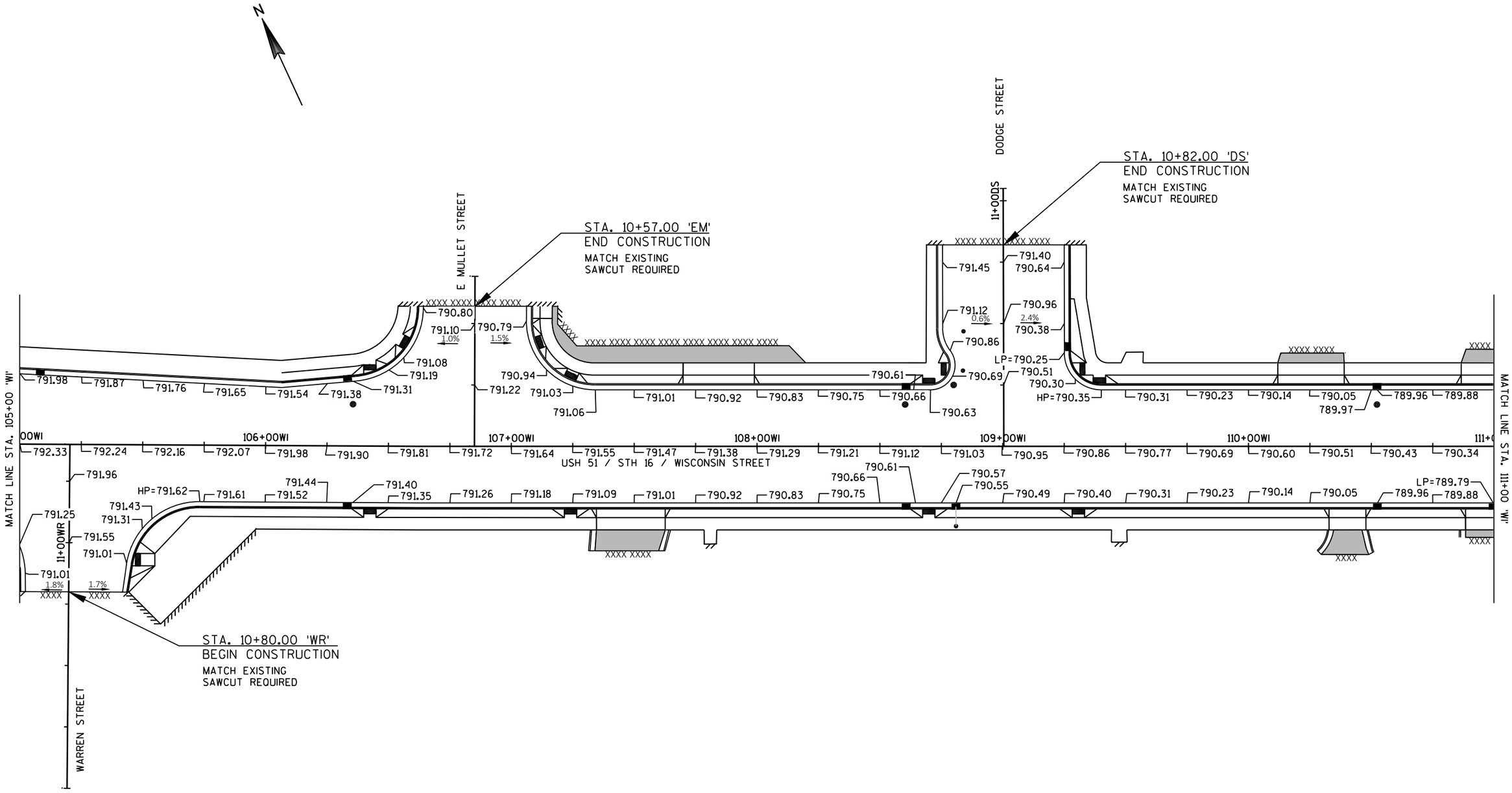
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2



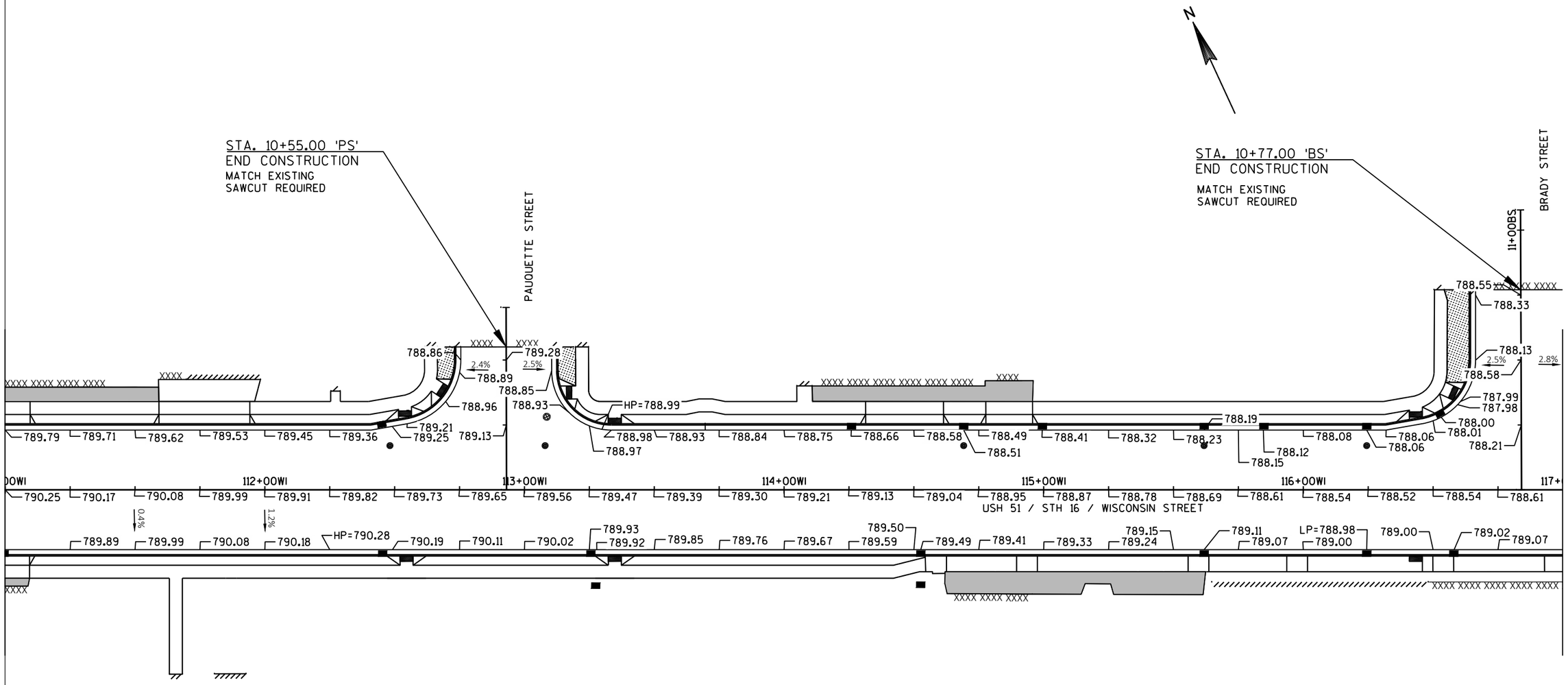
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PAVING DETAILS - WISCONSIN STREET	SHEET 72	E

2



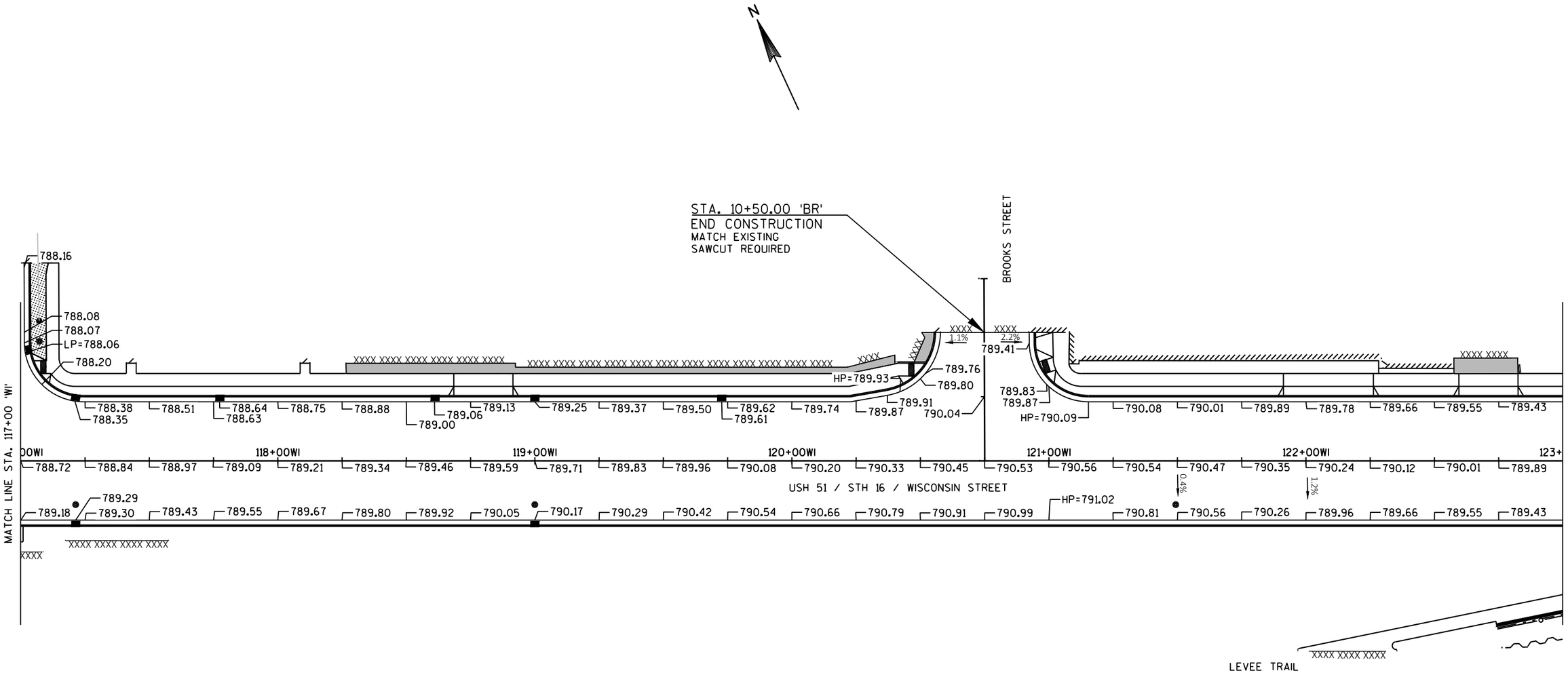
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PAVING DETAILS - WISCONSIN STREET	SHEET 73 E

2



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PAVING DETAILS - WISCONSIN STREET	SHEET 74	E

2



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PAVING DETAILS - WISCONSIN STREET	SHEET 75	E

2

N

WASHINGTON STREET

STA. 10+60.00 'WS'
END CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

STA. 10+50.00 'SS'
END CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

SUPERIOR STREET

MATCH LINE STA. 123+00 'WI'

MATCH LINE STA. 129+00 'WI'

1.2% 1.9%

788.19 788.40 788.14 788.41 788.39 788.71 788.57 788.51 788.53 788.75 788.86 788.79 788.55 788.55

789.36 789.16 789.75 789.91 790.10 HP=790.15 HP=789.95

789.32 789.20 789.09 788.97 788.86 788.79 788.75 788.71 788.57 788.39 788.51 788.53 788.55 788.55 788.57 788.65 788.77 788.90 789.02 789.15 789.27 789.39 789.52 789.64 789.77 789.89 HP=789.95

00WI 124+00WI 125+00WI 126+00WI 127+00WI 128+00WI 129+

789.78 789.66 789.55 789.43 789.32 789.20 789.09 789.02 789.00 789.03 789.11 789.23 789.36 789.48 789.61 789.73 789.85 789.98 790.10 790.23 790.35 790.48 790.57 790.61

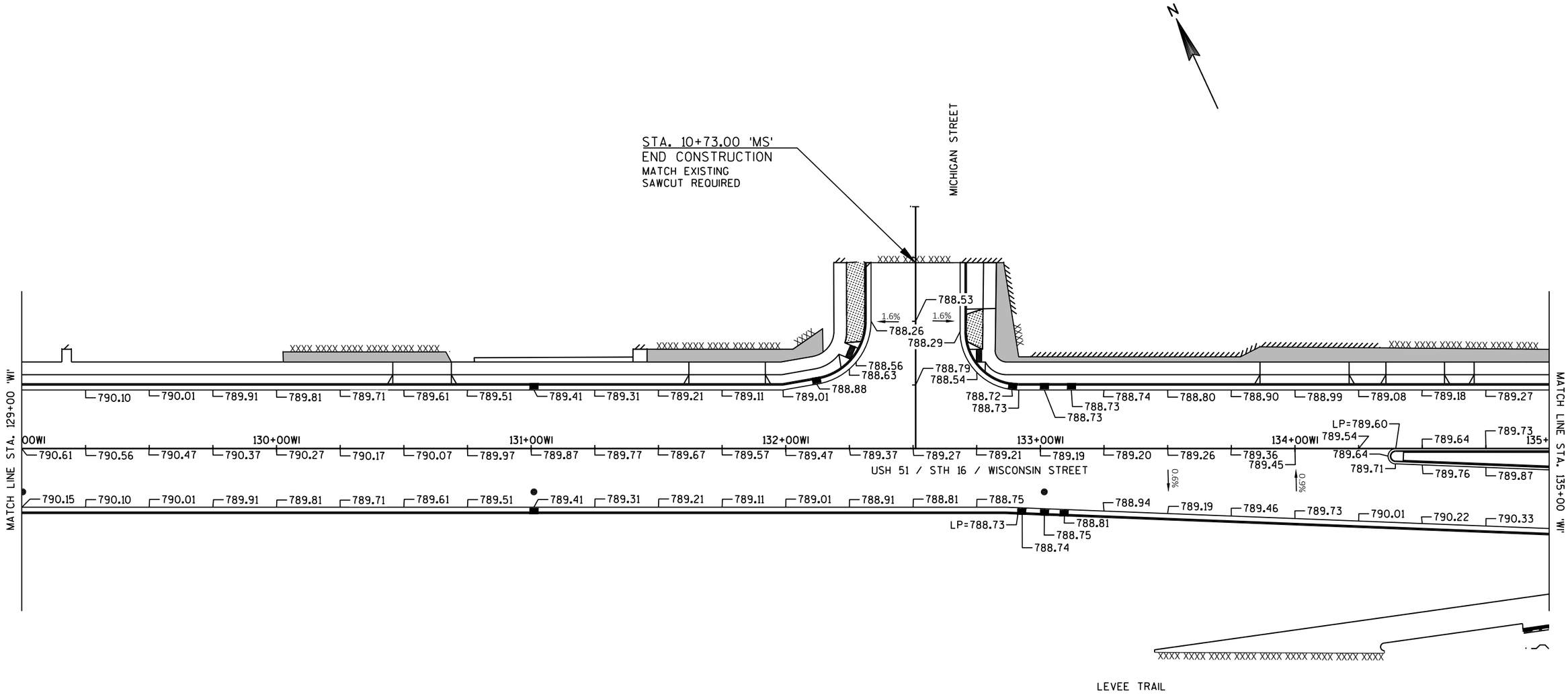
USH 51 / STH 16 / WISCONSIN STREET

788.54 LP=788.54 788.55 788.77 788.74 788.63 788.56 788.57 788.65 788.77 788.90 789.02 789.15 789.27 789.39 789.52 789.64 789.77 789.89 790.02 790.11 790.15 790.16

789.32 789.20 789.09 788.97 788.86

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PAVING DETAILS - WISCONSIN STREET	SHEET 76	E

2



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PAVING DETAILS - WISCONSIN STREET	SHEET 77	E

2

N

STA. 10+95.00 'WA'
END CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

WAUONA STREET

110OWA

STA. 10+75.00 'HS'
END CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

HURON STREET

MATCH LINE STA. 135+00 'WI'

MATCH LINE STA. 141+00 'WI'

788.56 787.97 788.27 788.67 789.09 789.35 789.37 789.46 789.56 789.65 789.73 HP=789.73

787.96 788.08 789.09 788.79 789.07 789.14 789.67 789.76 789.62 789.54 789.44 789.34 789.24 789.14 789.04 788.94 788.93 788.84 788.74 788.64 788.54 788.48

787.81 788.14 787.97 788.01 788.10 788.40 788.01 788.26

2.7% 2.7% 1.8% 1.1% 2.1%

789.92 790.02 790.11 136+00WI 790.27 790.27 790.32 789.83 790.21 790.37 789.98 790.09 790.20 790.31 790.42 HP=790.43

137+00WI 138+00WI 139+00WI 140+00WI 141+

790.28 790.26 790.20 790.10 790.00 789.90 789.80 789.70 789.60 789.50 789.40 789.30 789.20 789.10 789.00 788.90 788.80 788.70

USH 51 / STH 16 / WISCONSIN STREET

1.9% 1.9% 1.9% 0.7% 0.7%

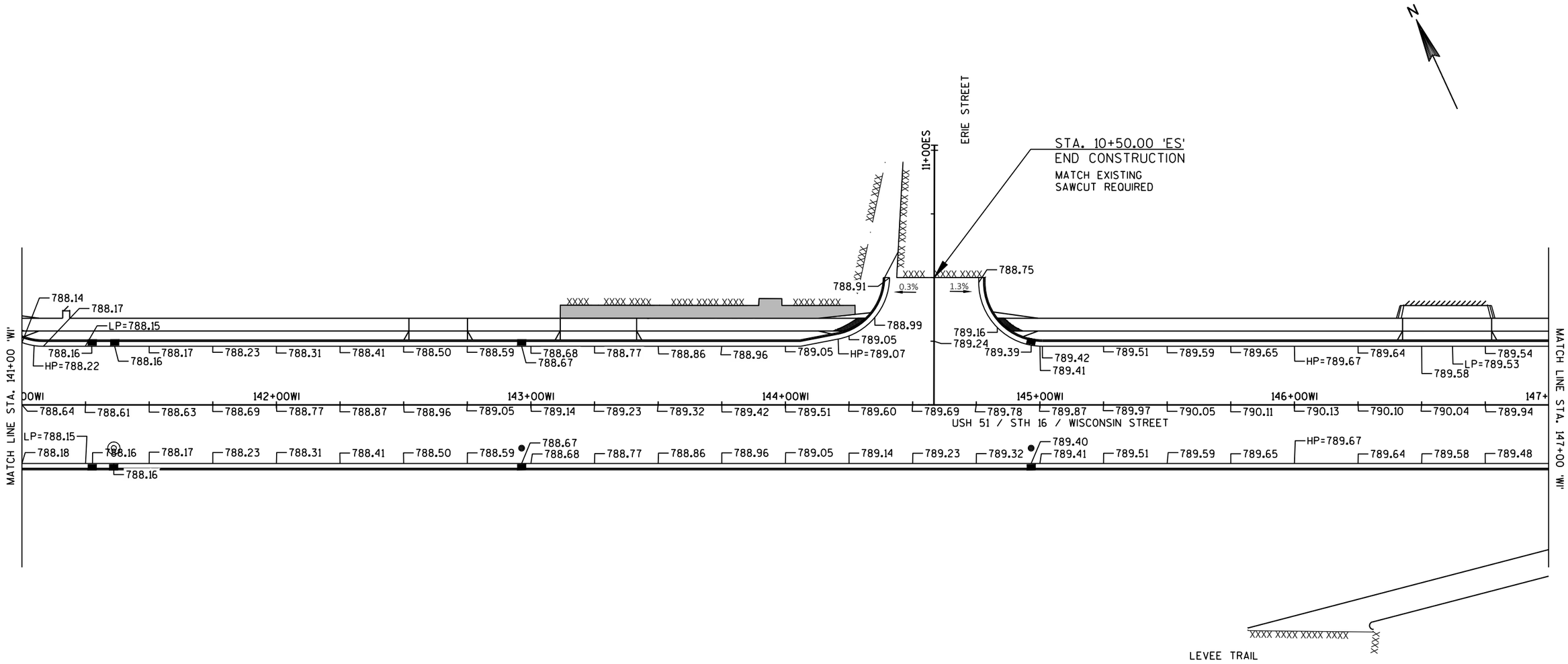
790.44 790.55 790.66 790.77 790.88 790.94 HP=790.96 790.93 790.86 790.74 790.62 790.50 790.38 790.11 789.84 789.57 789.30 789.26 789.03 788.75 788.64 788.54 788.44 788.34 788.24

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PAVING DETAILS - WISCONSIN STREET	SHEET 78	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PV (WI).DWG
LAYOUT NAME - 021201 (6)

PLOT DATE : 7/22/2020 1:43 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PAVING DETAILS - WISCONSIN STREET	SHEET 79	E

2

N

ONTARIO STREET

STA. 11+00.00 'OS'
END CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

SOOO+11

789.52
789.16
789.62
790.13
789.97
790.50
790.20
790.16
790.11
789.93
789.80
789.72
789.63

789.15
789.22
1.6%
790.39
790.43
791.08
791.26

4.0%
3.9%
2.3%
0.7%
0.9%

147+00 'WI'
148+00WI
149+00WI
150+00WI
151+00WI
152+00WI
153+00WI

789.84
789.74
789.64
789.58
789.56
789.64
789.58
789.74
789.84
LP=788.73
788.74
788.86
789.04
788.82
788.92

USH 51 / STH 16 / WISCONSIN STREET

789.38
789.28
789.18
789.12

MATCH LINE STA. 147+00 'WI'

STA. 149+07 'WI'
END FULL RECONSTRUCTION

STA. 151+25 'WI'
END CONSTRUCTION 6918-01-72
MATCH EXISTING
SAWCUT REQUIRED

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PAVING DETAILS - WISCONSIN STREET	SHEET 80	E

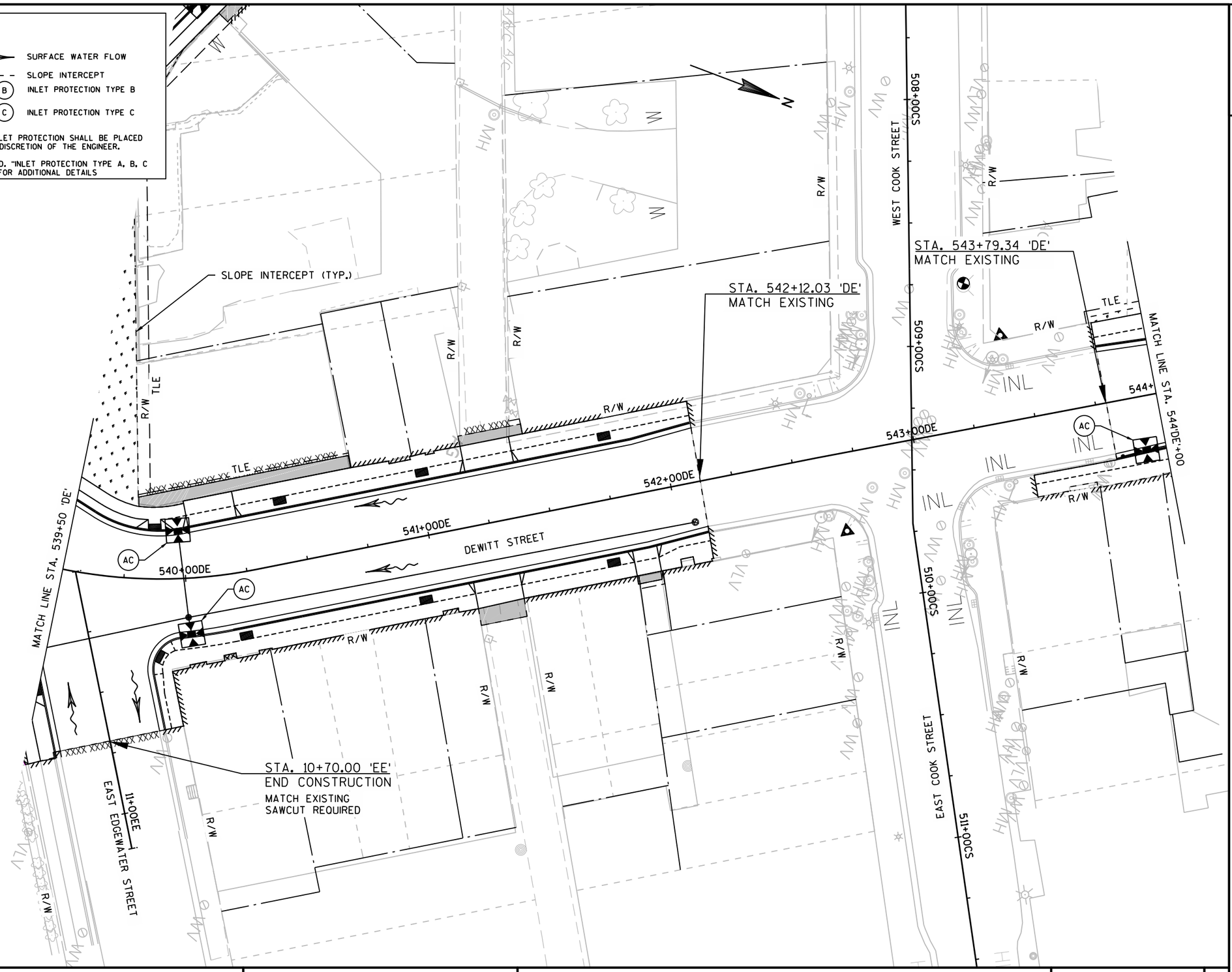
FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\021201-PV (WI).DWG
LAYOUT NAME - 021201 (8)
PLOT DATE : 7/22/2020 1:43 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

LEGEND

- TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40 & E-MAT URBAN CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM WITH GEOTEXTILE FABRIC TYPE HR
- (AC) INLET PROTECTION TYPE A UNTIL FINAL GRADING IS COMPLETED, THEN PLACE INLET PROTECTION TYPE C
- (AD) INLET PROTECTION TYPE A UNTIL FINAL GRADING IS COMPLETED, THEN PLACE INLET PROTECTION TYPE D
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C

NOTE: INLET PROTECTION SHALL BE PLACED AT THE DISCRETION OF THE ENGINEER.

SEE S.D.D. "INLET PROTECTION TYPE A, B, C AND D" FOR ADDITIONAL DETAILS



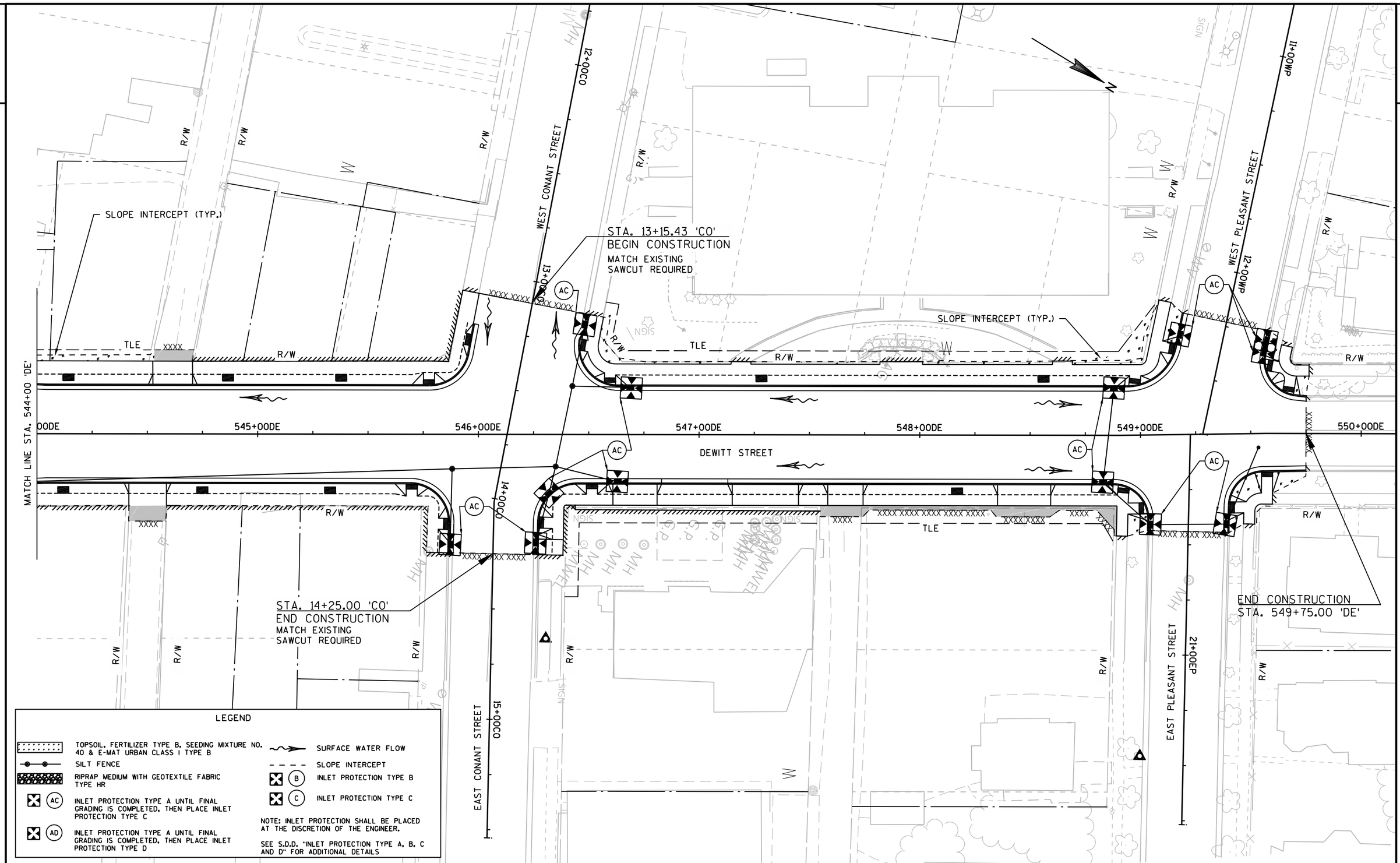
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EROSION CONTROL - DEWITT STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\EROSION CONTROL\022001-EC (DEWITT).DWG
LAYOUT NAME - SHEET - (1)

PLOT DATE : 7/22/2020 12:19 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EROSION CONTROL - DEWITT STREET	SHEET E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\EROSION CONTROL\022001-EC (DEWITT).DWG
LAYOUT NAME - SHEET - (2)

PLOT DATE : 7/22/2020 12:19 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40 & E-MAT URBAN CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM WITH GEOTEXTILE FABRIC TYPE HR
- (AC) INLET PROTECTION TYPE A UNTIL FINAL GRADING IS COMPLETED, THEN PLACE INLET PROTECTION TYPE C
- (AD) INLET PROTECTION TYPE A UNTIL FINAL GRADING IS COMPLETED, THEN PLACE INLET PROTECTION TYPE D
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C

NOTE: INLET PROTECTION SHALL BE PLACED AT THE DISCRETION OF THE ENGINEER.

SEE S.D.D. "INLET PROTECTION TYPE A, B, C AND D" FOR ADDITIONAL DETAILS

N

MATCH LINE STA. 539+50 'DE'

DEWITT STREET

539+00DE

RIPRAP HEAVY
SEE STRUCTURE PLANS

TLE

R/W

SLOPE INTERCEPT (TYP.)

STA. 100+37.55 'WI'
BEGIN PROJECT 6918-01-72
MATCH EXISTING
SAWCUT REQUIRED

99+00WI | 100+00WI | 101+00WI | 102+00WI | 103+00WI | 104+00WI | 105+

USH 51 / STH 16 / WISCONSIN STREET

MATCH LINE STA. 105+00 'WI'

STA. 10+71.28 'WE'
BEGIN CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

12+00WE

11+00WE

W EDGEWATER STREET

TOW PATH/ICE AGE NATIONAL SCENIC TRAIL

PORTAGE CANAL

PL

SIGN

MULLET STREET

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EROSION CONTROL	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\EROSION CONTROL\022001-EC (WI).DWG
LAYOUT NAME - 021201

PLOT DATE : 7/22/2020 12:31 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

E MULLET STREET

DODGE STREET

WARREN STREET

MATCH LINE STA. 105+00 'WI'

MATCH LINE STA. 111+00 'WI'

11+00DS

11+00WR

STA. 10+57.00 'EM'
END CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

STA. 10+82.00 'DS'
END CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

STA. 10+80.00 'WR'
BEGIN CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

SLOPE INTERCEPT (TYP.)

TLE

R/W

AC

C

106+00WI

107+00WI

108+00WI

109+00WI

110+00WI

USH 51 / STH 16 / WISCONSIN STREET

LEGEND

- TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40 & E-MAT URBAN CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM WITH GEOTEXTILE FABRIC TYPE HR
- (AC) INLET PROTECTION TYPE A UNTIL FINAL GRADING IS COMPLETED, THEN PLACE INLET PROTECTION TYPE C
- (AD) INLET PROTECTION TYPE A UNTIL FINAL GRADING IS COMPLETED, THEN PLACE INLET PROTECTION TYPE D
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C

NOTE: INLET PROTECTION SHALL BE PLACED AT THE DISCRETION OF THE ENGINEER.

SEE S.D.D. "INLET PROTECTION TYPE A, B, C AND D" FOR ADDITIONAL DETAILS

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EROSION CONTROL	SHEET E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\EROSION CONTROL\022001-EC (WI).DWG
LAYOUT NAME - 021201 (1)

PLOT DATE : 7/22/2020 12:31 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

STA. 10+55.00 'PS'
END CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

STA. 10+77.00 'BS'
END CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

PAUQUETTE STREET

BRADY STREET

11+00BS

SLOPE INTERCEPT (TYP.)

R/W

TLE

XXXX XXXX XXXX XXXX

25'

MATCH LINE STA. 111+00 'WI'

MATCH LINE STA. 117+00 'WI'

112+00WI

113+00WI

114+00WI

115+00WI

116+00WI

AC

AD

B

USH 51 / STH 16 / WISCONSIN STREET

SIGN

GUY

BIKE PATH

LEGEND

- TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40 & E-MAT URBAN CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM WITH GEOTEXTILE FABRIC TYPE HR
- (AC) INLET PROTECTION TYPE A UNTIL FINAL GRADING IS COMPLETED, THEN PLACE INLET PROTECTION TYPE C
- (AD) INLET PROTECTION TYPE A UNTIL FINAL GRADING IS COMPLETED, THEN PLACE INLET PROTECTION TYPE D
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C

NOTE: INLET PROTECTION SHALL BE PLACED AT THE DISCRETION OF THE ENGINEER.

SEE S.D.D. "INLET PROTECTION TYPE A, B, C AND D" FOR ADDITIONAL DETAILS

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EROSION CONTROL	SHEET E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\EROSION CONTROL\022001-EC (WI).DWG
LAYOUT NAME - 021201 (2)
PLOT DATE : 7/22/2020 12:31 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

STA. 10+50.00 'BR'
END CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

BROOKS STREET

R/W

TLE

SIGN

FILLER CAP

G.P.

AC

118+00WI

119+00WI

120+00WI

121+00WI

122+00WI

123+

MATCH LINE STA. 117+00 'WI'

MATCH LINE STA. 123+00 'WI'

USH 51 / STH 16 / WISCONSIN STREET

XXXX XXXX XXXX XXXX

PLE

SLOPE INTERCEPT (TYP.)

LEVEE TRAIL

WISCONSIN RIVER

LEGEND

- TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40 & E-MAT URBAN CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM WITH GEOTEXTILE FABRIC TYPE HR
- AC — INLET PROTECTION TYPE A UNTIL FINAL GRADING IS COMPLETED, THEN PLACE INLET PROTECTION TYPE C
- AD — INLET PROTECTION TYPE A UNTIL FINAL GRADING IS COMPLETED, THEN PLACE INLET PROTECTION TYPE D
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- B — INLET PROTECTION TYPE B
- C — INLET PROTECTION TYPE C

NOTE: INLET PROTECTION SHALL BE PLACED AT THE DISCRETION OF THE ENGINEER.

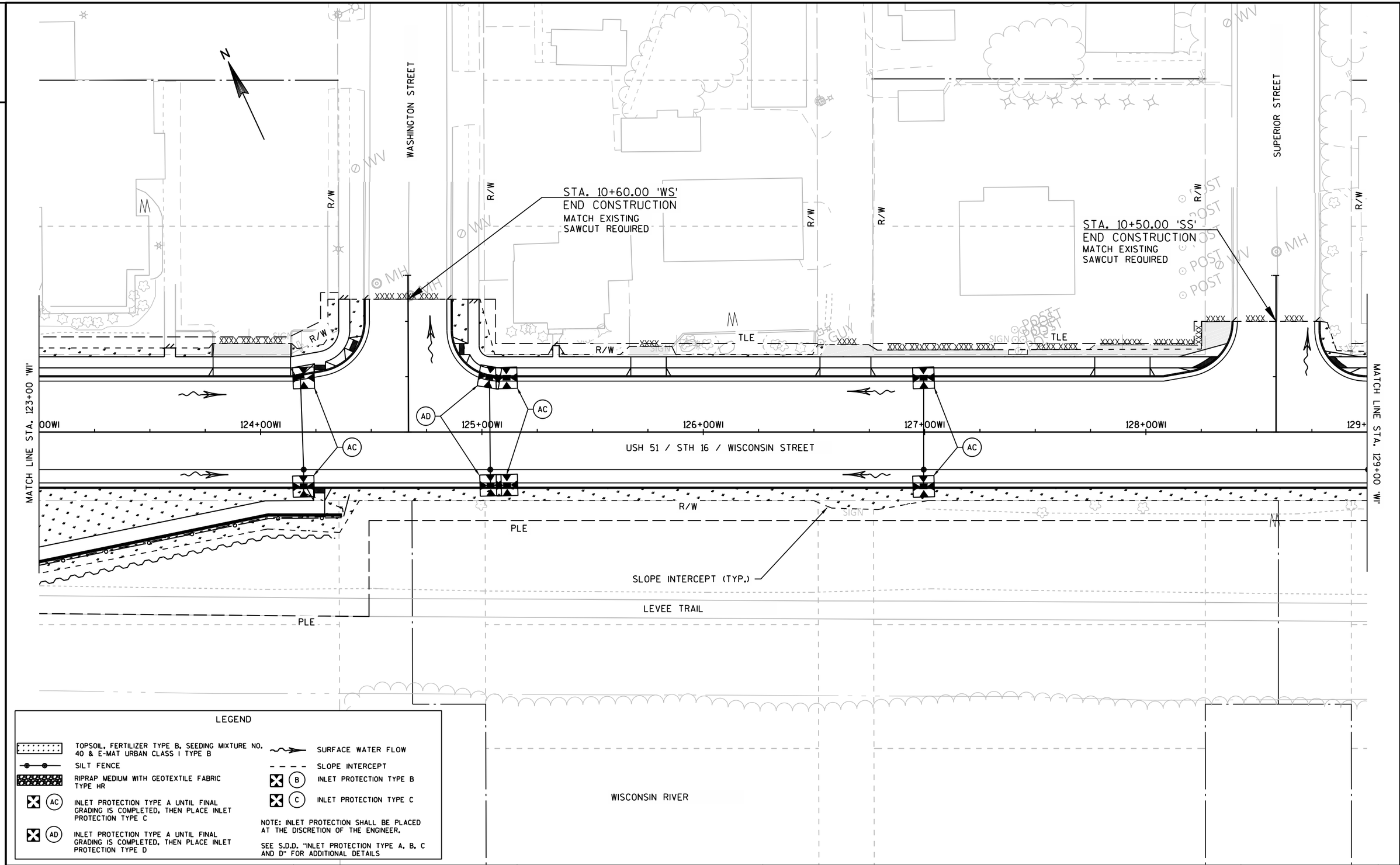
SEE S.D.D. "INLET PROTECTION TYPE A, B, C AND D" FOR ADDITIONAL DETAILS

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EROSION CONTROL	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\EROSION CONTROL\022001-EC (WI).DWG
LAYOUT NAME - 021201 (3)

PLOT DATE : 7/22/2020 12:31 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

- TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40 & E-MAT URBAN CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM WITH GEOTEXTILE FABRIC TYPE HR
- (AC) INLET PROTECTION TYPE A UNTIL FINAL GRADING IS COMPLETED, THEN PLACE INLET PROTECTION TYPE C
- (AD) INLET PROTECTION TYPE A UNTIL FINAL GRADING IS COMPLETED, THEN PLACE INLET PROTECTION TYPE D
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C

NOTE: INLET PROTECTION SHALL BE PLACED AT THE DISCRETION OF THE ENGINEER.

SEE S.D.D. "INLET PROTECTION TYPE A, B, C AND D" FOR ADDITIONAL DETAILS

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EROSION CONTROL	SHEET 87	E

2

2

STA. 10+73.00 'MS'
END CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

MICHIGAN STREET

R/W

MH

TLE

SIGN

XXXX XXXX XXXX XXXX XXXX XXXX

MATCH LINE STA. 129+00 'WI'

MATCH LINE STA. 135+00 'WI'

130+00WI | 131+00WI | 132+00WI | 133+00WI | 134+00WI | 135+

AC

AD

USH 51 / STH 16 / WISCONSIN STREET

PLE

SLOPE INTERCEPT (TYP.)

LEVEE TRAIL

WISCONSIN RIVER

LEGEND

- TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40 & E-MAT URBAN CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM WITH GEOTEXTILE FABRIC TYPE HR
- (AC) INLET PROTECTION TYPE A UNTIL FINAL GRADING IS COMPLETED, THEN PLACE INLET PROTECTION TYPE C
- (AD) INLET PROTECTION TYPE A UNTIL FINAL GRADING IS COMPLETED, THEN PLACE INLET PROTECTION TYPE D
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C

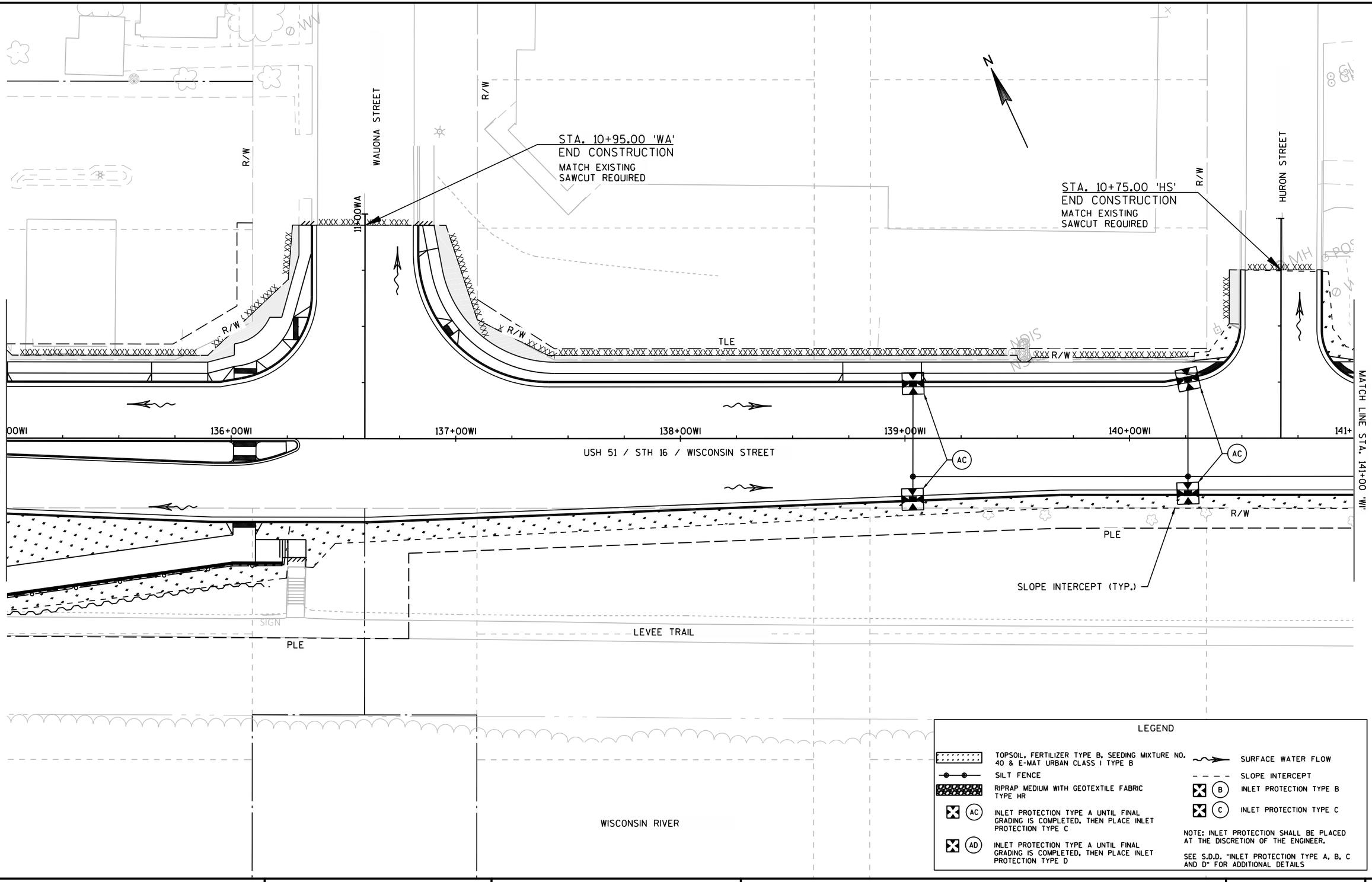
NOTE: INLET PROTECTION SHALL BE PLACED AT THE DISCRETION OF THE ENGINEER.

SEE S.D.D. "INLET PROTECTION TYPE A, B, C AND D" FOR ADDITIONAL DETAILS

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EROSION CONTROL	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\EROSION CONTROL\022001-EC (WI).DWG
LAYOUT NAME - 021201 (5)
PLOT DATE : 7/22/2020 12:31 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EROSION CONTROL	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\EROSION CONTROL\022001-EC (WI).DWG
LAYOUT NAME - 021201 (6)

PLOT DATE : 7/22/2020 12:31 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

R/W

R/W

R/W

GUY

GUY

ERIE STREET

R/W

R/W

R/W

N

REMOVE ACCESS (TYP.)
AND REPLACE WITH GRASS TERRACE

11+00ES

STA. 10+50.00 'ES'
END CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

MH

TLE

TLE

TLE

TLE

R/W

MATCH LINE STA. 141+00 'WI'

00WI

142+00WI

143+00WI

144+00WI

145+00WI

146+00WI

147+

MATCH LINE STA. 147+00 'WI'

AD

AC

AC

AC

AC

USH 51 / STH 16 / WISCONSIN STREET

R/W

PLE

PLE

PLE

SLOPE INTERCEPT (TYP.)

LEVEE TRAIL

XXXX XXXX XXXX XXXX

XXXX

WISCONSIN RIVER

LEGEND

TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40 & E-MAT URBAN CLASS I TYPE B

SILT FENCE

RIPRAP MEDIUM WITH GEOTEXTILE FABRIC TYPE HR

AC — INLET PROTECTION TYPE A UNTIL FINAL GRADING IS COMPLETED, THEN PLACE INLET PROTECTION TYPE C

AD — INLET PROTECTION TYPE A UNTIL FINAL GRADING IS COMPLETED, THEN PLACE INLET PROTECTION TYPE D

SURFACE WATER FLOW

SLOPE INTERCEPT

B — INLET PROTECTION TYPE B

C — INLET PROTECTION TYPE C

NOTE: INLET PROTECTION SHALL BE PLACED AT THE DISCRETION OF THE ENGINEER.

SEE S.D.D. "INLET PROTECTION TYPE A, B, C AND D" FOR ADDITIONAL DETAILS

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EROSION CONTROL	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\EROSION CONTROL\022001-EC (WI).DWG
LAYOUT NAME - 021201 (7)

PLOT DATE : 7/22/2020 12:31 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

ONTARIO STREET

R/W

STA. 11+00.00 'OS'
END CONSTRUCTION
MATCH EXISTING
SAWCUT REQUIRED

SLOPE INTERCEPT (TYP.)

CANOPY

CAP

TLE

R/W

POST

MATCH LINE STA. 147+00 'WI'

147+00WI

148+00WI

149+00WI

150+00WI

151+00WI

152+00WI

153+00WI

USH 51 / STH 16 / WISCONSIN STREET

AD

AC

STA. 149+07 'WI'
END FULL RECONSTRUCTION

STA. 151+25 'WI'
END CONSTRUCTION 6918-01-72
MATCH EXISTING
SAWCUT REQUIRED

RIPRAP MEDIUM (5' X 10')

GUY

PLE

LEVEE TRAIL

DELINEATED WETLANDS

WISCONSIN RIVER

LEGEND

- TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 40 & E-MAT URBAN CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM WITH GEOTEXTILE FABRIC TYPE HR
- (AC) INLET PROTECTION TYPE A UNTIL FINAL GRADING IS COMPLETED, THEN PLACE INLET PROTECTION TYPE C
- (AD) INLET PROTECTION TYPE A UNTIL FINAL GRADING IS COMPLETED, THEN PLACE INLET PROTECTION TYPE D
- SURFACE WATER FLOW
- SLOPE INTERCEPT
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C

NOTE: INLET PROTECTION SHALL BE PLACED AT THE DISCRETION OF THE ENGINEER.

SEE S.D.D. "INLET PROTECTION TYPE A, B, C AND D" FOR ADDITIONAL DETAILS

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EROSION CONTROL	SHEET 91	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\EROSION CONTROL\022001-EC (WI).DWG
LAYOUT NAME - 021201 (8)
PLOT DATE : 7/22/2020 12:31 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

2

N

98+00WI 99+00WI 100+00WI 101+00WI 102+00WI 103+00WI 104+00WI

SS

12+00WE

11+00WE

ABANDON SS UNDER
EXISTING RETAINING WALL

MATCHLINE 104+50.00

LEGEND

-SS- REMOVING STORM SEWER

REMOVING CATCH BASINS

REMOVING MANHOLES

N

105+00WI 106+00WI 107+00WI 108+00WI 109+00WI 110+00WI 111+00WI 112+

MATCHLINE 104+50.00

MATCHLINE 112+00.00

PROJECT NO: 6918-01-02	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - REMOVAL PLAN	SHEET 92	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\022500_SS_REMOVAL.DWG PLOT DATE : 7/20/2020 11:23 AM PLOT BY : JEDIDIAH MUNROE PLOT NAME : PLOT SCALE : 1 IN:50 FT

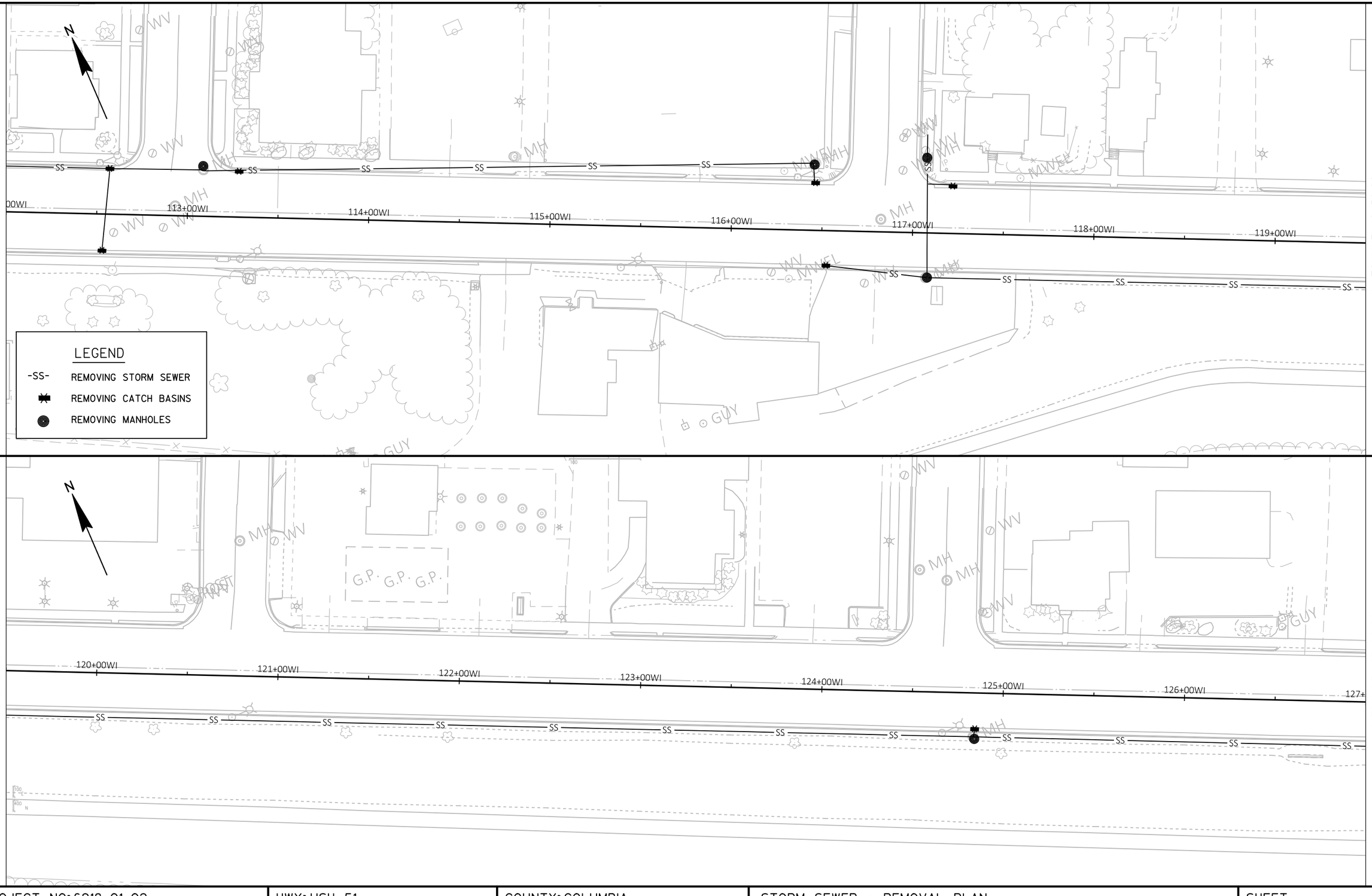
WISDOT/CADDS SHEET 44

2

MATCHLINE 112+00.00

MATCHLINE 119+50.00

2

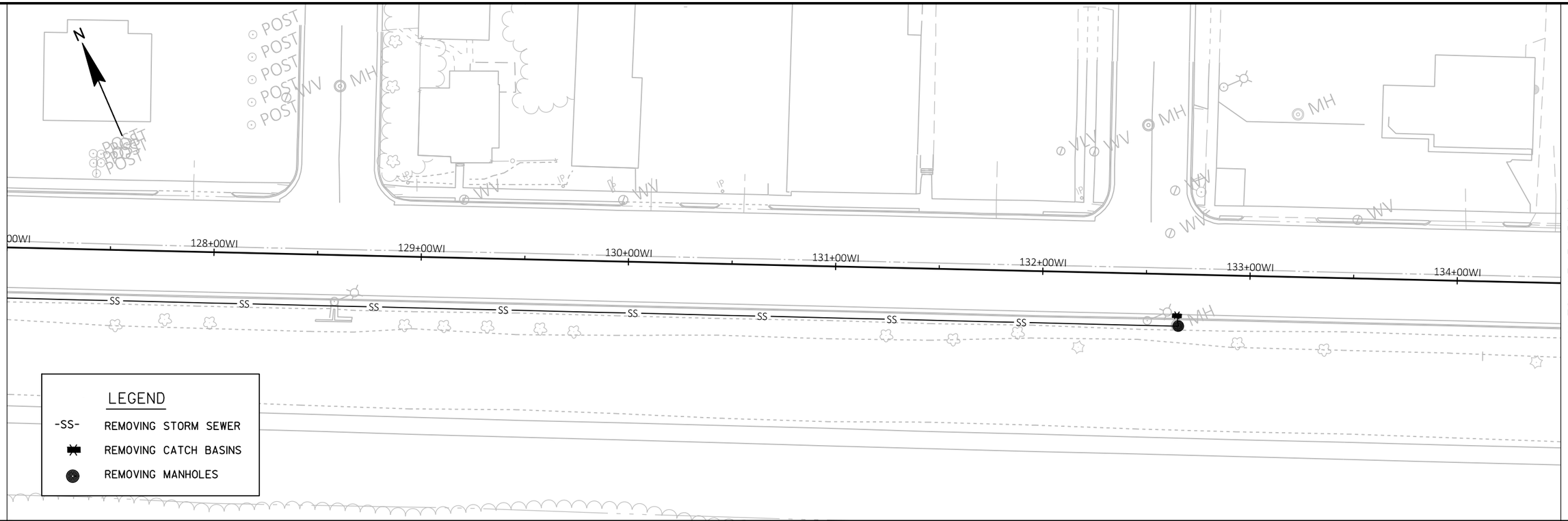

N
SS
SS
SS

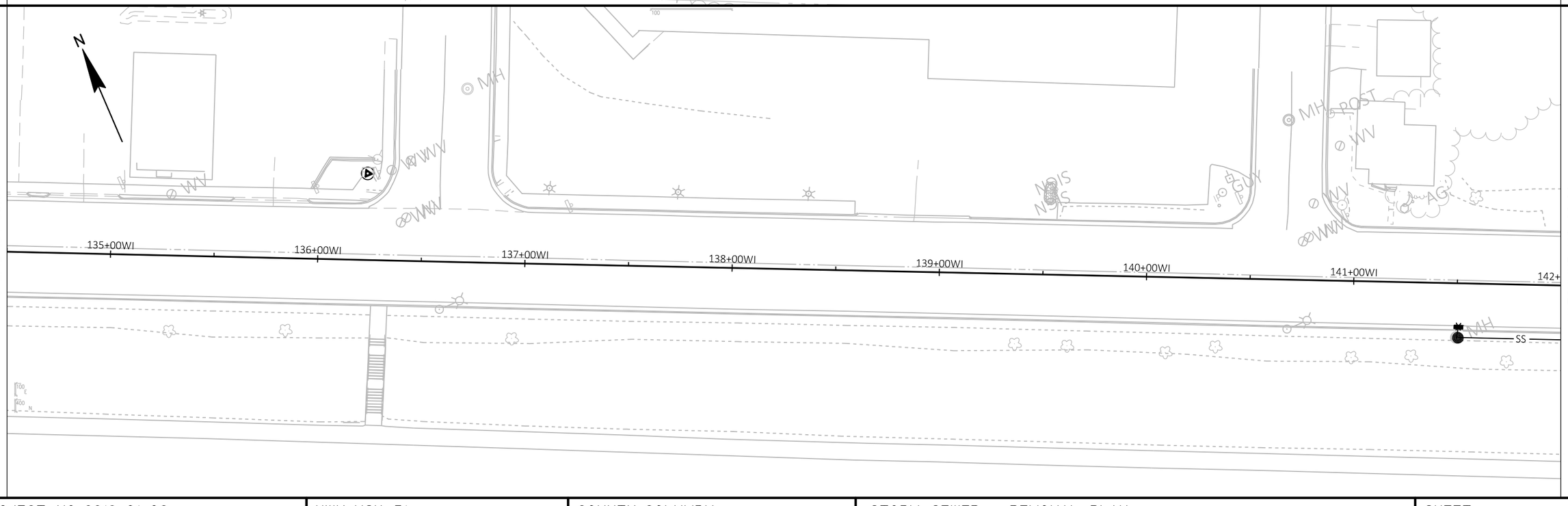
2

MATCHLINE 127+00.00

MATCHLINE 134+50.00

2





MATCHLINE 134+50.00

MATCHLINE 142+00.00

PROJECT NO: 6918-01-02	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - REMOVAL PLAN	SHEET 94	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\022500_SS_REMOVAL.DWG PLOT DATE : 7/20/2020 11:34 AM PLOT BY : JEDIDIAH MUNROE PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

MATCHLINE 142+00.00

MATCHLINE 149+50.00

00WI 143+00WI 144+00WI 145+00WI 146+00WI 147+00WI 148+00WI 149+00WI

SS SS SS SS SS SS SS SS SS

ABANDON SS NEAR GUY WIRES AND ATC POLE

LEGEND

-SS- REMOVING STORM SEWER

REMOVING CATCH BASINS

REMOVING MANHOLES

MATCHLINE 149+50.00

150+00WI 151+00WI 152+00WI 153+00WI 154+00WI 155+00WI 156+00WI 157+00W

PROJECT NO: 6918-01-02	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - REMOVAL PLAN	SHEET 95	E

2

2

LEGEND

-SS- REMOVING STORM SEWER

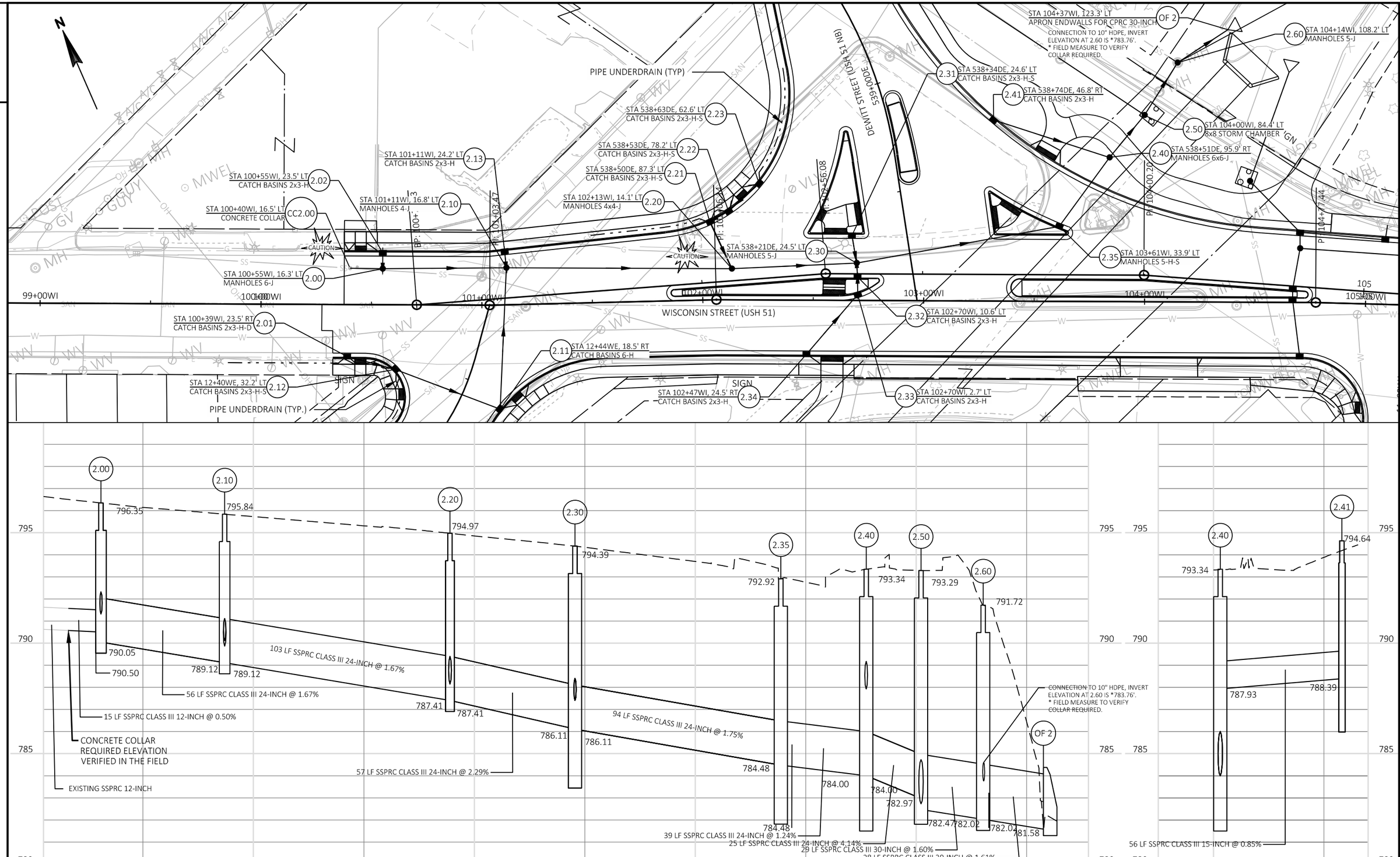
REMOVING CATCH BASINS

REMOVING MANHOLES

MATCHLINE 545+00.00

MATCHLINE 545+00.00

PROJECT NO: 6918-01-02	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - REMOVAL PLAN	SHEET 96	E



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - WISCONSIN STREET	SHEET 97	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\022501_SS_DW&M.DWG
LAYOUT NAME - DE WITT TL

PLOT DATE : 7/20/2020 9:01 AM PLOT BY : JEDIDIAH MUNROE PLOT NAME : PLOT SCALE : 1 IN:40 FT

PIPE UNDERDRAIN (TYP.)

539+00DE

540+00DE

541+00DE

542+00DE

543+00DE

544+00DE

DEWITT STREET (USH 51 NB)

COOK STREET

S09+00CS

S10+00CS

3.71 STA 539+98DE, 19.3' LT
CATCH BASINS 2x3-H

2.50 STA 104+00WI, 84.4' LT
8x8 STORM CHAMBER

3.70 STA 540+00DE, 15.9' RT
MANHOLES 4-J

3.72 STA 540+01DE, 22.7' RT
CATCH BASINS 2x3-H

CC3.70 STA 542+07DE, 15.9' RT
CONCRETE COLLARS FOR PIPE

CC3.5

CONNECTION TO 10" HDPE, INVERT ELEVATION AT 2.60 IS *783.76'.
* FIELD MEASURE TO VERIFY COLLAR REQUIRED.

EDGEWATER STREET

11+00EE

800
795
790
785

3.70
799.17
783.79
783.79

2.50
793.29
782.73

EXISTING MANHOLE

CONCRETE COLLAR REQUIRED IN STAGE 1
TO CONNECT TO EXISTING MANHOLE

PIPE INSTALLED IN STAGE 1

PIPE
INSTALLED
IN STAGE 2

198 LF SSPRC CLASS IV 24-INCH @ 0.53%

209 LF SSPRC CLASS IV 24-INCH @ 0.65%

CONCRETE COLLAR
REQUIRED

EXISTING SSPRC 24-INCH

785.15

CONCRETE COLLAR REQUIRED TO CONNECT STAGE 1 AND STAGE 2 PIPES

3.71
799.31
793.22

3.70
799.17
793.04

3.72
799.56
793.05
793.02

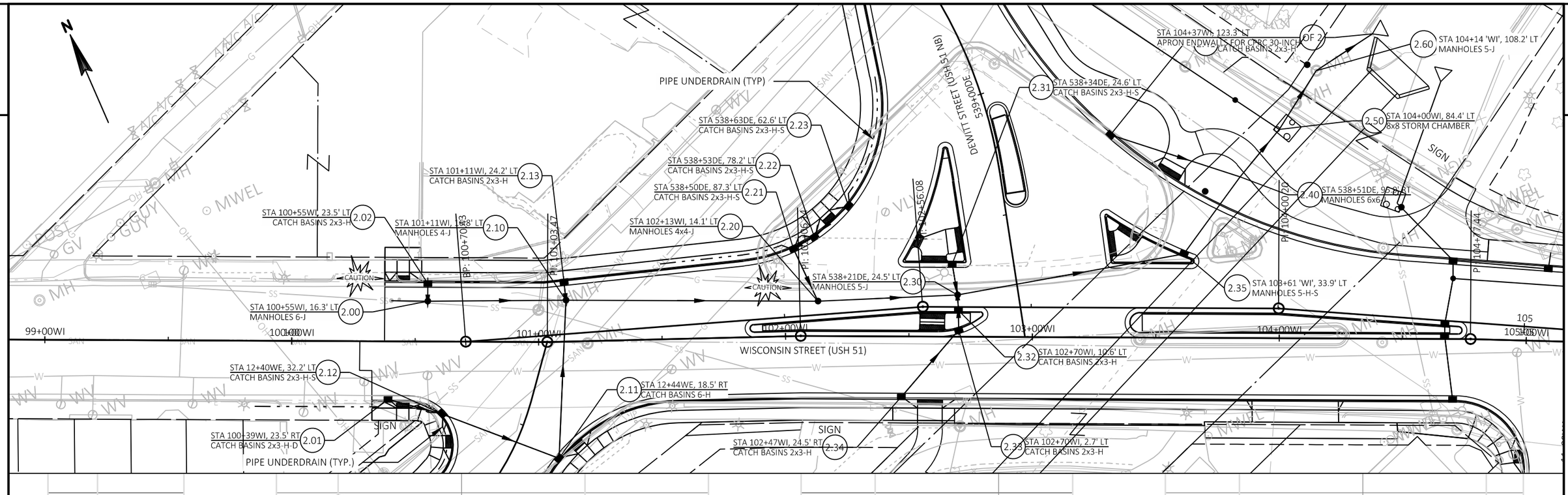
36 LF SSPRC CLASS III 12-INCH @ 0.51%

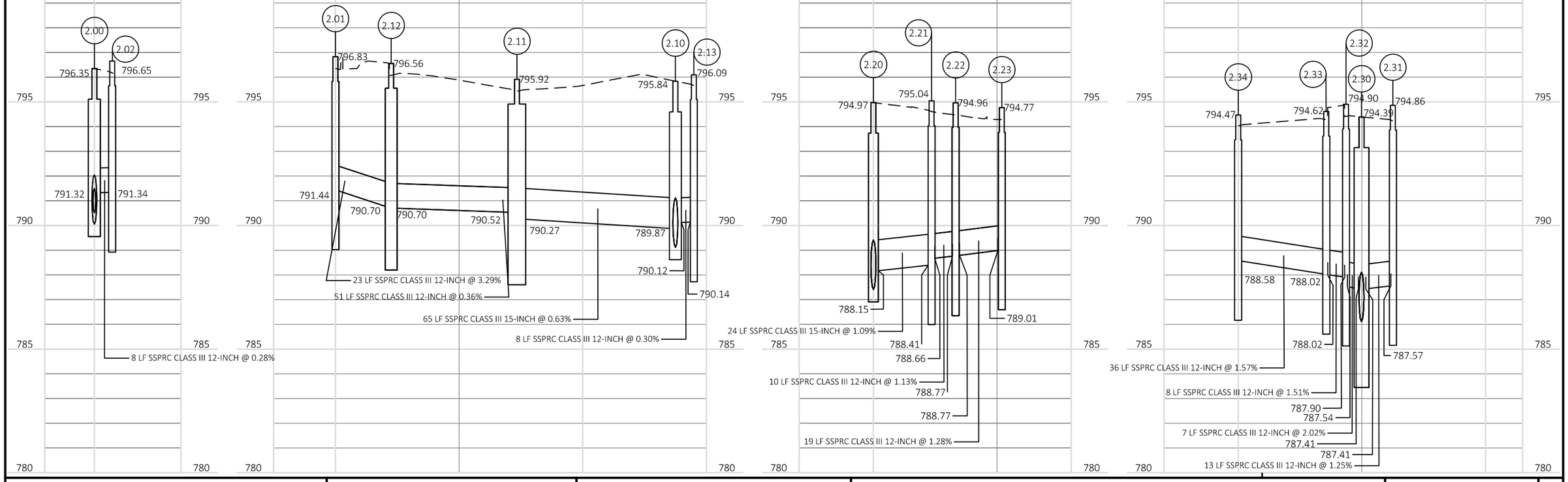
7 LF SSPRC CLASS III 12-INCH @ 0.51%

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - DEWITT STREET	SHEET 98	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\022501_SS_DW&M.DWG
LAYOUT NAME - DE WITT TL - 2

PLOT DATE : 7/20/2020 9:02 AM PLOT BY : JEDIDIAH MUNROE PLOT NAME : PLOT SCALE : 1 IN:40 FT





PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - WISCONSIN STREET	SHEET 99	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\022501_SS_DW&M 2.DWG
LAYOUT NAME - SERIES 2.00 - 2.30
PLOT DATE : 7/20/2020 9:02 AM PLOT BY : JEDIDIAH MUNROE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

WEST CONANT STREET

13+00CO

14+00CO

EAST CONANT STREET

DEWITT STREET (USH 51 NB)

544+00DE

545+00DE

546+00DE

547+00DE

548+00DE

549+00DE

WEST PLEASANT STREET

EAST PLEASANT STREET

21+00EP

BP: 0+00.00

EP: 0+26.33

3.31 STA 546+48DE, 49.7' LT
CATCH BASINS 2x3-H-S

10" HDPE ROOF DRAIN CONNECTION REQUIRED
*FIELD VERIFY LOCATION AND INVERT ELEVATION.

3.33 STA 546+43DE, 21.9' LT
MANHOLES 4-J

3.34 STA 546+69DE, 21.4' LT
CATCH BASINS 2x3-H-S

STA 12+33WP, 19.5' RT
INLET COVERS TYPE H 3.11

STA 548+88DE, 21.4' LT
CATCH BASINS 2x3-H 3.14

STA 548+83DE, 21.5' RT
CATCH BASINS 2x3-H 3.15

3.35 STA 546+63DE, 21.4' RT
INLETS 2x3-H-D

3.30 STA 546+35DE, 14.5' RT
MANHOLES 4-J

3.32 STA 546+32DE, 26.8' RT
CATCH BASINS 4-H

3.37 STA 546+26DE, 48.9' RT
CATCH BASINS 2x3-H-D

REMOVING STORM SEWER 12-INCH

STA 20+41EP, 17.2' RT
CATCH BASINS 2x3-H 3.16

3.17

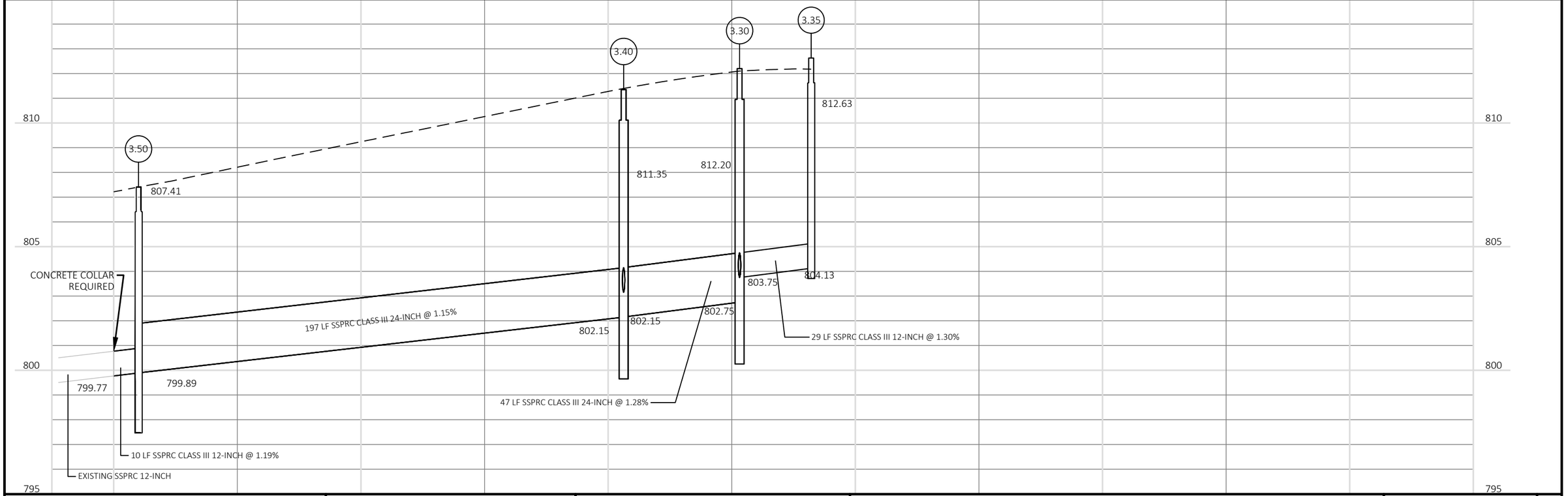
3.40 STA 545+88DE, 15.6' RT
MANHOLES 4-J

3.41 STA 545+87DE, 49.9' RT
INLETS 2x3-H

3.50 STA 543+92DE, 21.8' RT
CATCH BASINS 2x3-H

CC3.50 STA 543+82DE, 22.5' RT
CONCRETE COLLAR

SIGN

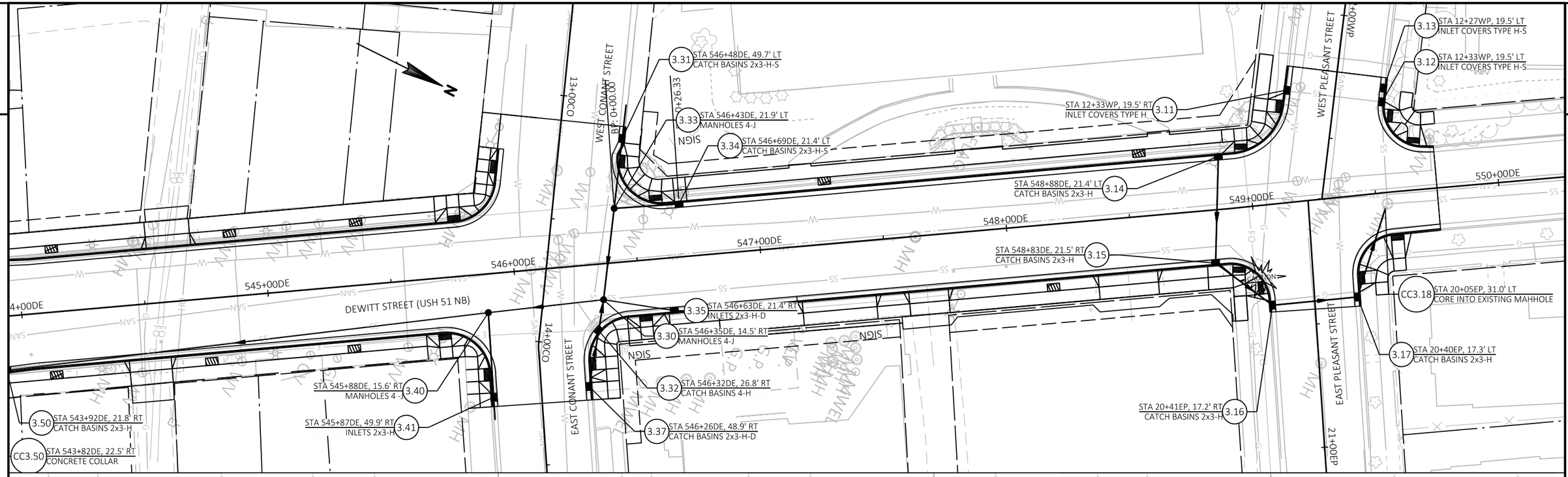


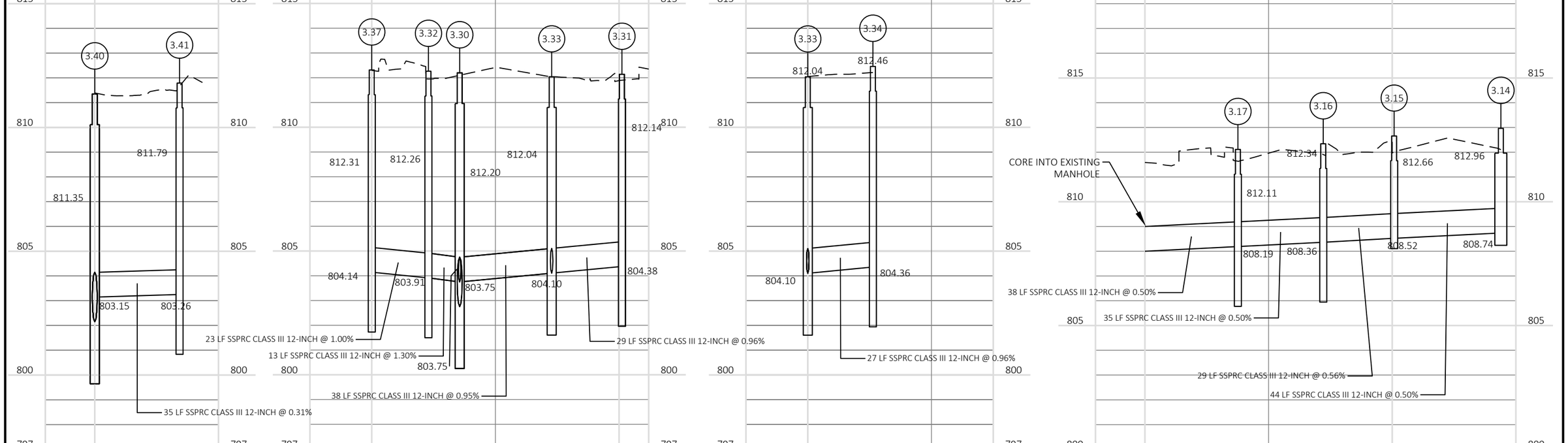
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - DEWITT STREET	SHEET 100	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\022501_SS_DW&M.DWG
LAYOUT NAME - DE WITT TL - 3

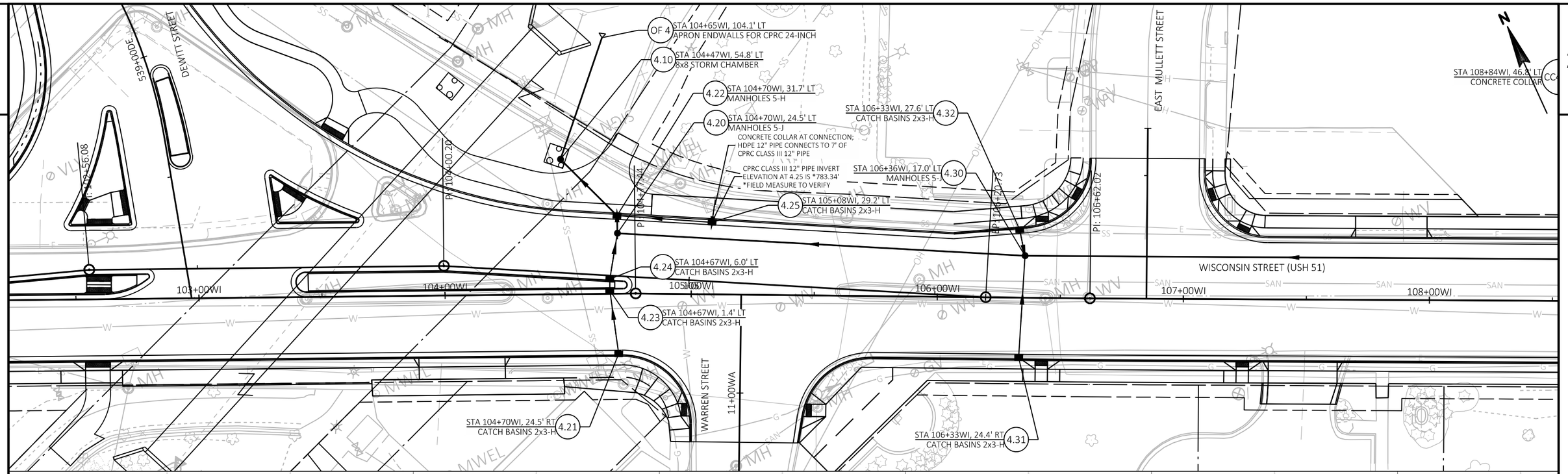
PLOT DATE : 9/29/2020 2:34 PM PLOT BY : JEDIDIAH MUNROE PLOT NAME : PLOT SCALE : 1 IN:40 FT

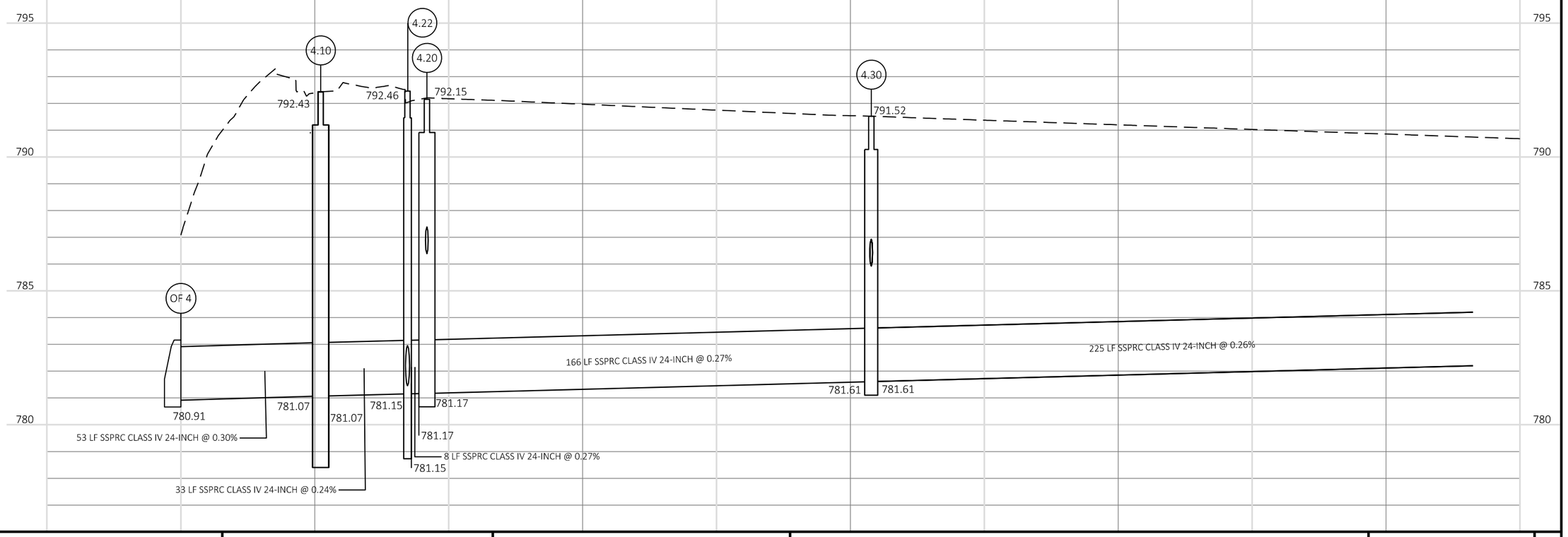
WISDOT/CADDS SHEET 41





PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - DEWITT STREET	SHEET 101 E





PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - WISCONSIN STREET	SHEET 102	E

2

STA 108+84WI, 46.8' LT
CONCRETE COLLAR
CC4.47

STA 108+80WI, 25.0' LT
MANHOLES 4X4-J
4.44

STA 108+61WI, 24.5' LT
CATCH BASINS 2.5X3-H
4.43

STA 108+60WI, 17.0' LT
MANHOLES 5-J
4.40

DODGE STREET

PIPE UNDERDRAIN (TYP)

STA 109+27WI, 40.6' LT
INLETS 2x3-H-S
4.45

STA 110+52WI, 24.5' LT
CATCH BASINS 2x3-H
4.53

STA 110+52WI, 17.0' LT
MANHOLES 5-J
4.50

STA 112+45WI, 25.2' LT
CATCH BASINS 2x3-H
4.64

STA 112+48WI, 17.0' LT
MANHOLES 5-J
4.60

PAUQUETTE STREET

CAUTION

CC4.70
STA 113+09WI, 28.1' LT
CONCRETE COLLAR

STA 113+08WI, 17.0' LT
MANHOLES 5-J
4.70

25'

+00WI | 109+00WI | 110+00WI | 111+00WI | 112+00WI | 113+00WI | 114+00WI

WISCONSIN STREET (USH 51)

+61WI, 24.5' RT
CH BASINS 2x3-H
4.41

108+81WI, 24.5' RT
CATCH BASINS 2x3-H
4.42

CC4.42
STA 108+81WI, 32.5' RT
CONCRETE COLLAR

PIPE UNDERDRAIN (TYP.)

PIPE UNDERDRAIN (TYP.)

4.51 STA 110+52WI, 24.5' RT
CATCH BASINS 2x3-H

4.52 STA 111+00WI, 24.5' RT
CATCH BASINS 2x3-H-D

4.61 STA 112+45WI, 24.5' RT
CATCH BASINS 2x3-H

4.62 STA 113+26WI, 24.5' RT
CATCH BASINS 2x3-H-S

STA 113+27WI, 36.9' RT
INLETS MEDIAN 1G-MS-A
4.63

2

4.40 790.74 782.20 782.20

4.50 790.08 782.69 782.69

4.60 789.40 783.22 783.22

4.70 789.19 783.37 783.37

790
785
780
775

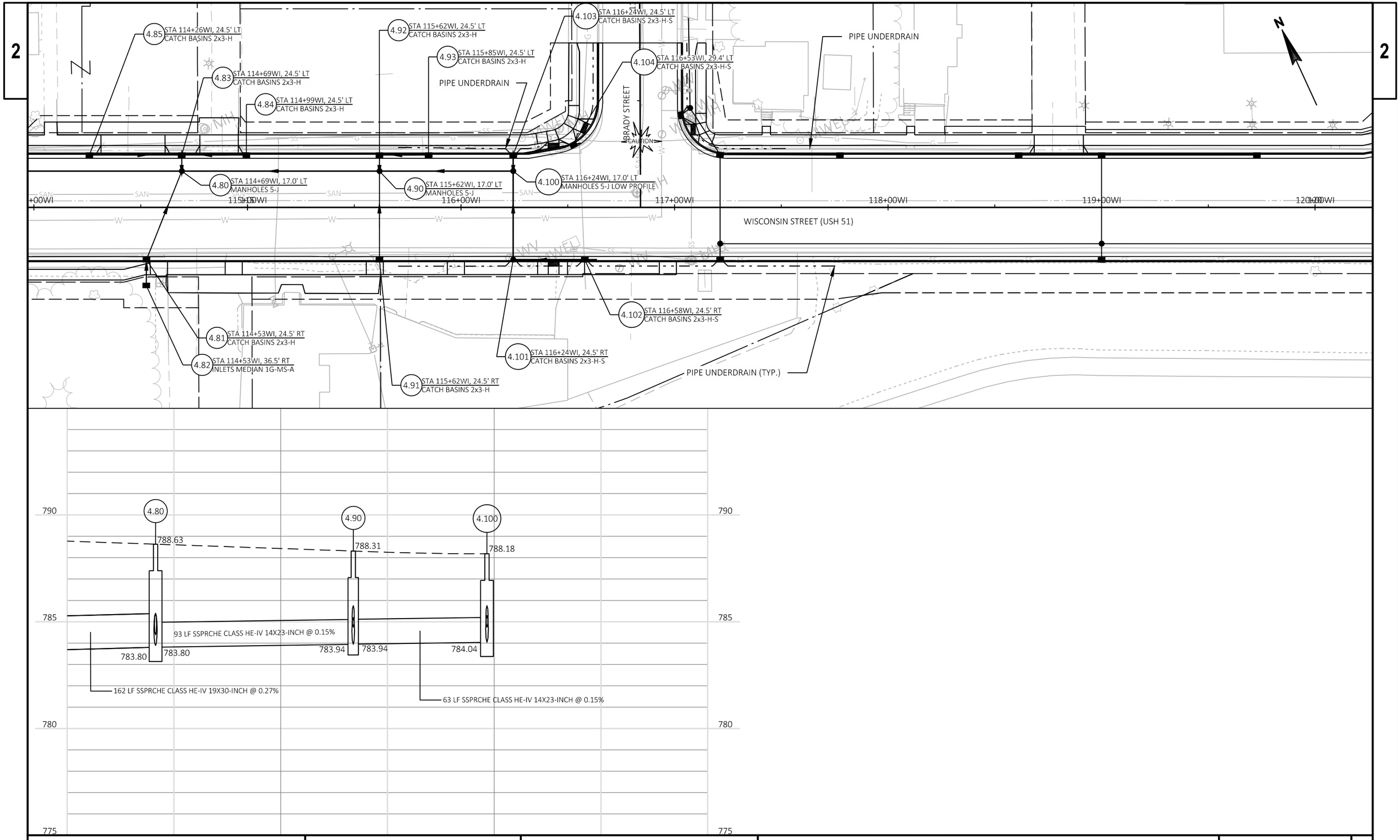
193 LF SSPRC CLASS IV 24-INCH @ 0.26%

196 LF SSPRC CLASS IV 24-INCH @ 0.27%

60 LF SSPRC CLASS IV 24-INCH @ 0.25%

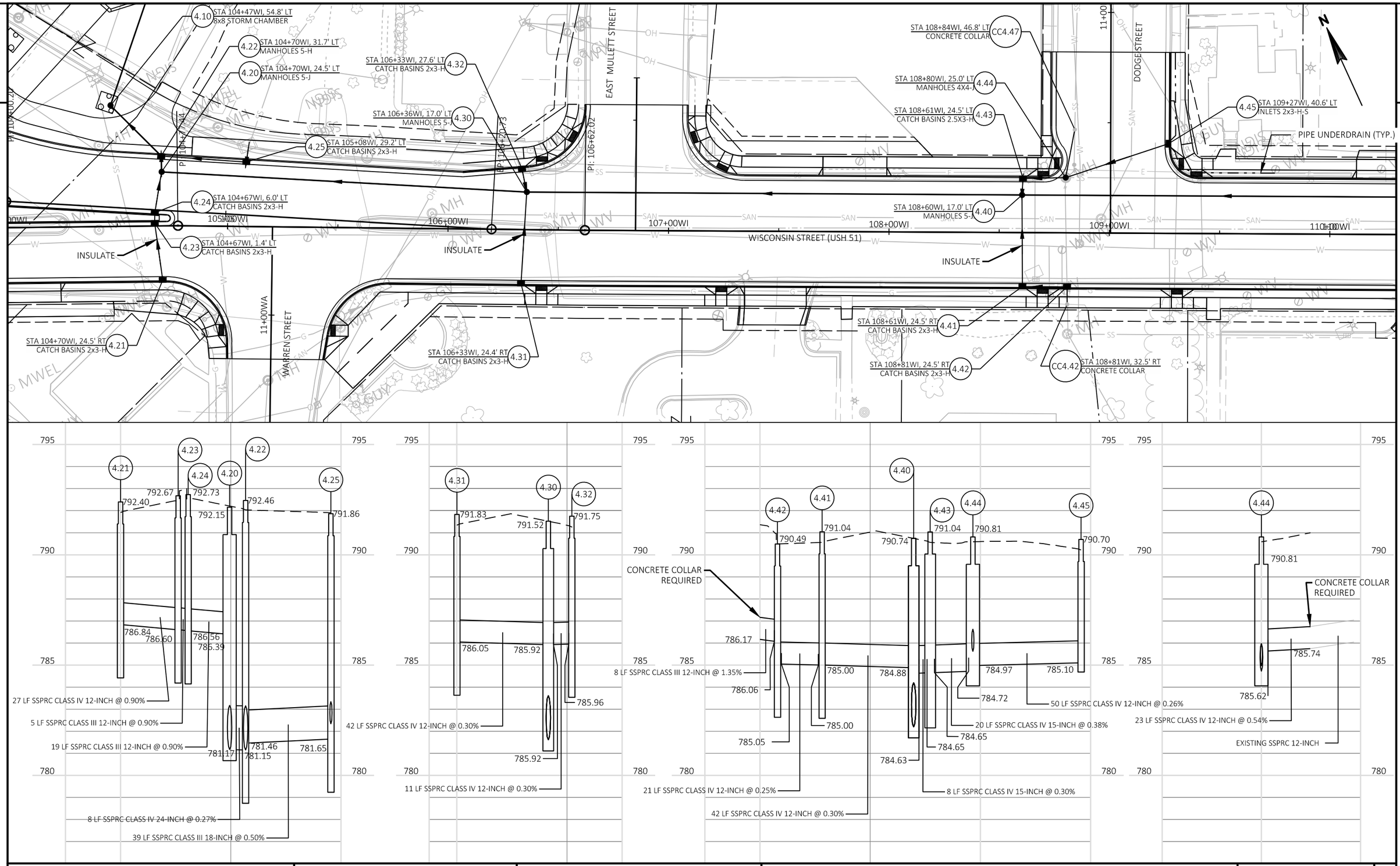
162 LF SSPRCHE CLASS HE-IV 19X30-INCH @ 0.27%

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - WISCONSIN STREET	SHEET 103	E



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - WISCONSIN STREET	SHEET 104	E

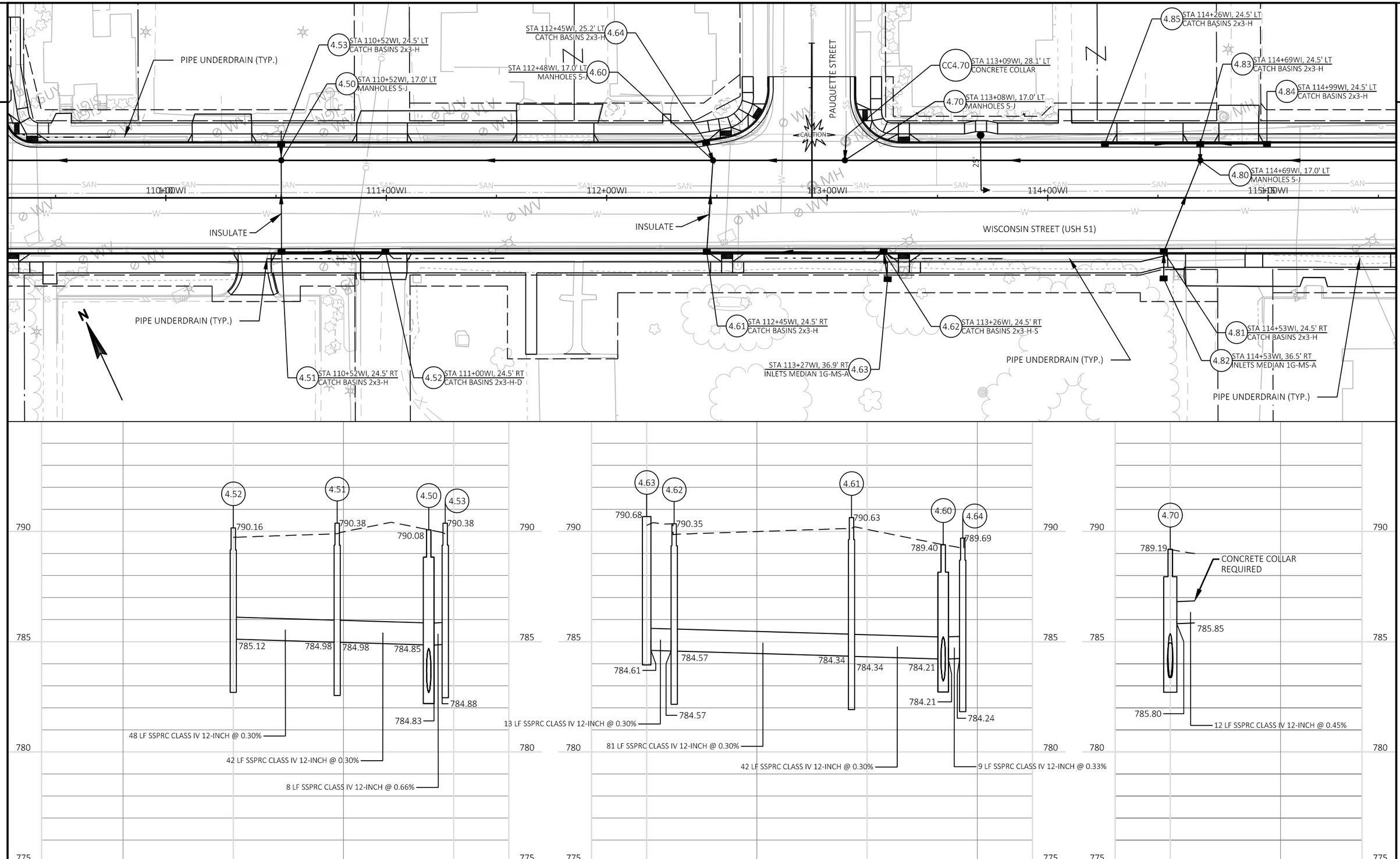
FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\022501_SS_E&W_2 (NO BIKE LANES)22.DWG
LAYOUT NAME - WEST TL - 3
PLOT DATE : 7/20/2020 9:38 AM PLOT BY : JEDIDIAH MUNROE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - WISCONSIN STREET	SHEET 105	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\022501_SS_E&W_2 (NO BIKE LANES)22.DWG
LAYOUT NAME - SERIES 4.20 - 4.50

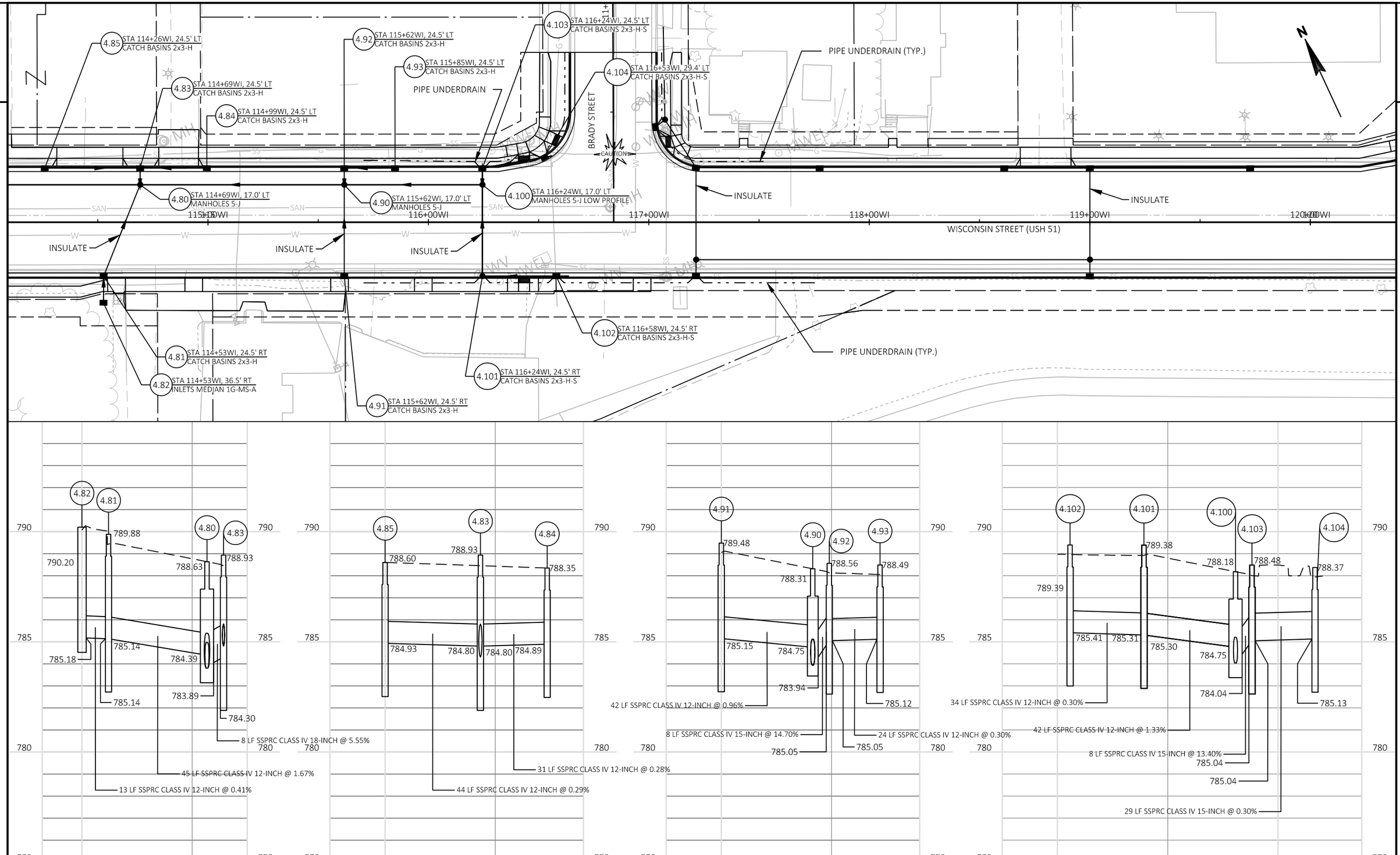
PLOT DATE : 7/20/2020 9:38 AM PLOT BY : JEDIDIAH MUNROE PLOT NAME : PLOT SCALE : ##########



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - WISCONSIN STREET	SHEET 106 E

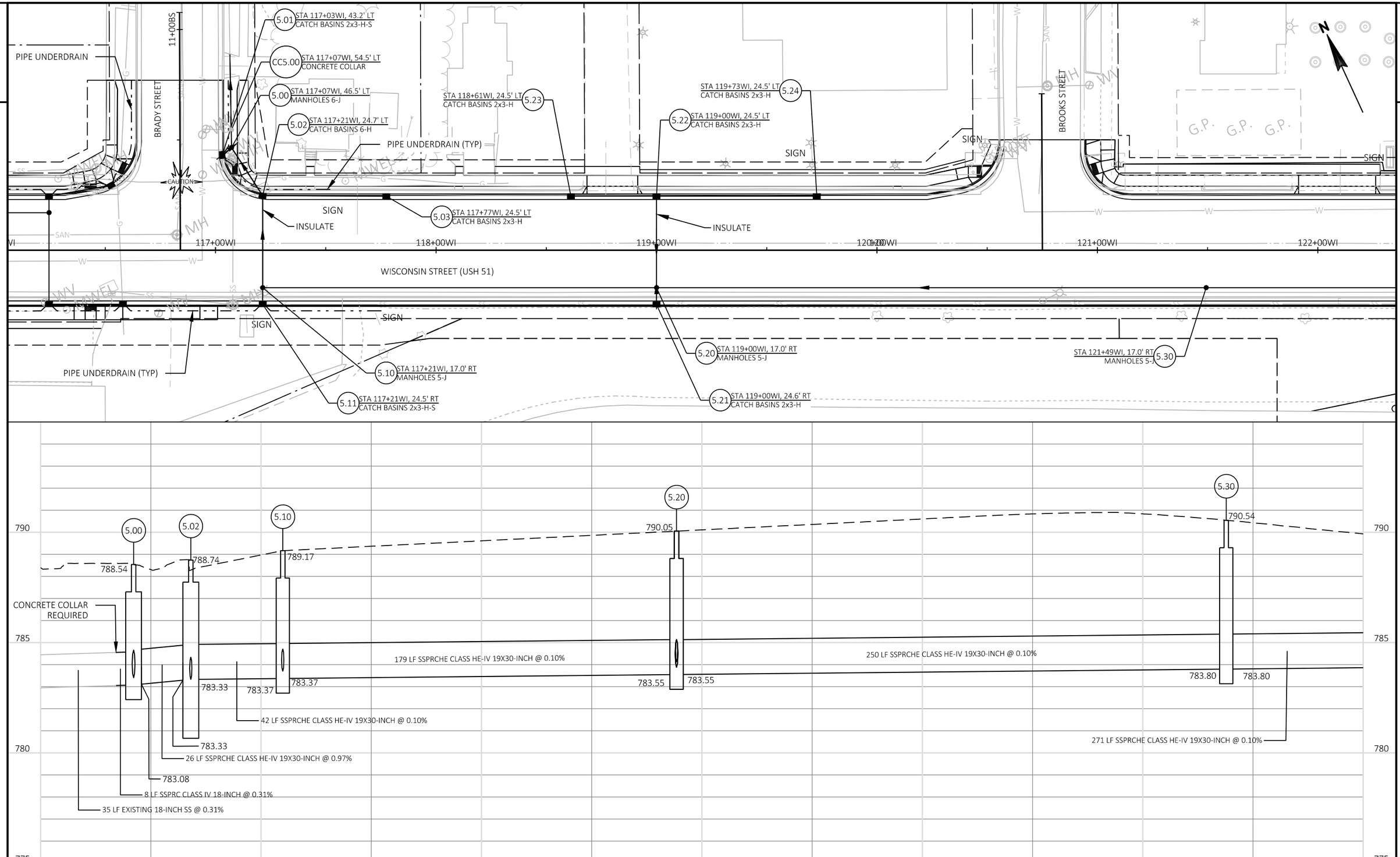
FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\022501_SS_E&W_2 (NO BIKE LANES)22.DWG
LAYOUT NAME - SERIES 4.50 - 4.70

PLOT DATE : 7/20/2020 9:39 AM PLOT BY : JEDIDIAH MUNROE PLOT NAME : PLOT SCALE : 1 IN:40 FT



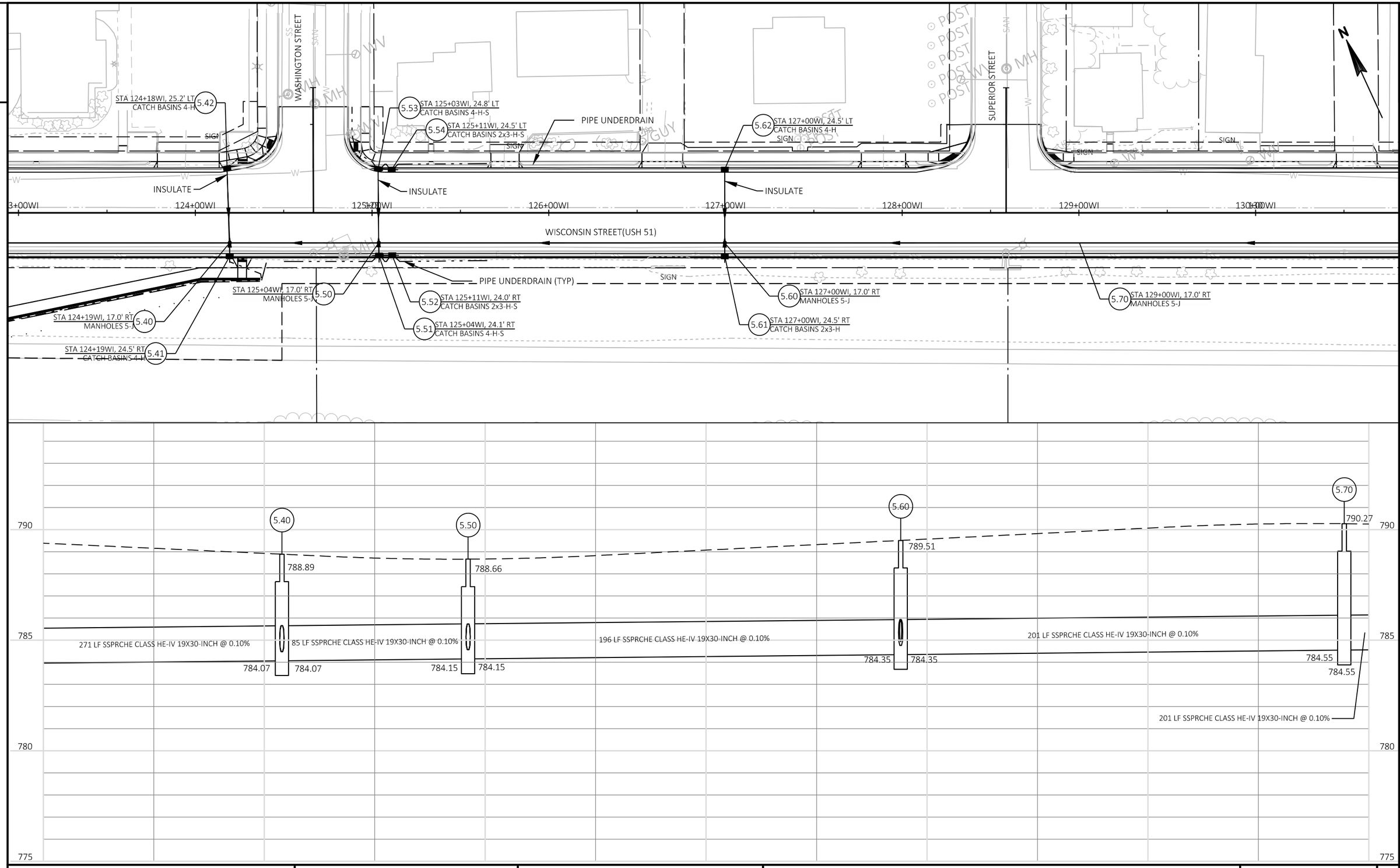
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - WISCONSIN STREET	SHEET 107	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\022501_SS_E&W_2 (NO BIKE LANES)22.DWG
LAYOUT NAME - SERIES 4.80 - 4.100
PLOT DATE : 7/20/2020 9:39 AM PLOT BY : JEDIDIAH MUNROE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - WISCONSIN STREET	SHEET 108	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\022501_SS_DW&M 2.DWG
LAYOUT NAME - MIDDLE TL
PLOT DATE : 7/20/2020 9:40 AM
PLOT BY : JEDIDIAH MUNROE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - WISCONSIN STREET	SHEET 109	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\022501_SS_DW&M 2.DWG
LAYOUT NAME - MIDDLE TL - 2

PLOT DATE : 7/20/2020 9:40 AM PLOT BY : JEDIDIAH MUNROE PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

5.82 STA 131+01WI, 24.5' LT
CATCH BASINS 4-H

STA 132+12WI, 26.8' LT 5.83
CATCH BASINS 2x3-H

MICHIGAN STREET

5.95 STA 132+89WI, 24.6' LT
CATCH BASINS 2x3-H-S

5.94 STA 133+02WI, 24.5' LT
CATCH BASINS 2x3-H-S

PIPE UNDERDRAIN

SIGN

WAUONA TRAIL

PI: 136+78.85

INSULATE

INSULATE

5.96 STA 133+12WI, 24.5' LT
CATCH BASINS 2x3-H-S

131+00WI 132+00WI 133+00WI 134+00WI 135+00WI 136+00WI 137+00WI

WISCONSIN STREET (USH 51)

STA 133+02WI, 17.0' RT 5.90
MANHOLES 5-J LOW PROFILE

5.100 STA 134+45WI, 3.1' RT
MANHOLES 8-Z
0.8' RT COVER OPENING
5.4' RT COVER OPENING

5.80 STA 131+01WI, 17.0' RT
MANHOLES 5-J

PIPE UNDERDRAIN (TYP)

5.93 STA 133+09WI, 25.4' RT
CATCH BASINS 2x3-H-S

5.91 STA 133+02WI, 25.1' RT
CATCH BASINS 2x3-H-S

5.92 STA 132+93WI, 24.7' RT
CATCH BASINS 2x3-H-S

5.81 STA 131+01WI, 24.5' RT
CATCH BASINS 4-H

SIGN

SIGN

5.80
789.53
784.75 784.75
201 LF SSPRCHE CLASS HE-IV 19X30-INCH @ 0.10%

5.90
788.88
784.95 784.95
201 LF SSPRCHE CLASS HE-IV 19X30-INCH @ 0.10%

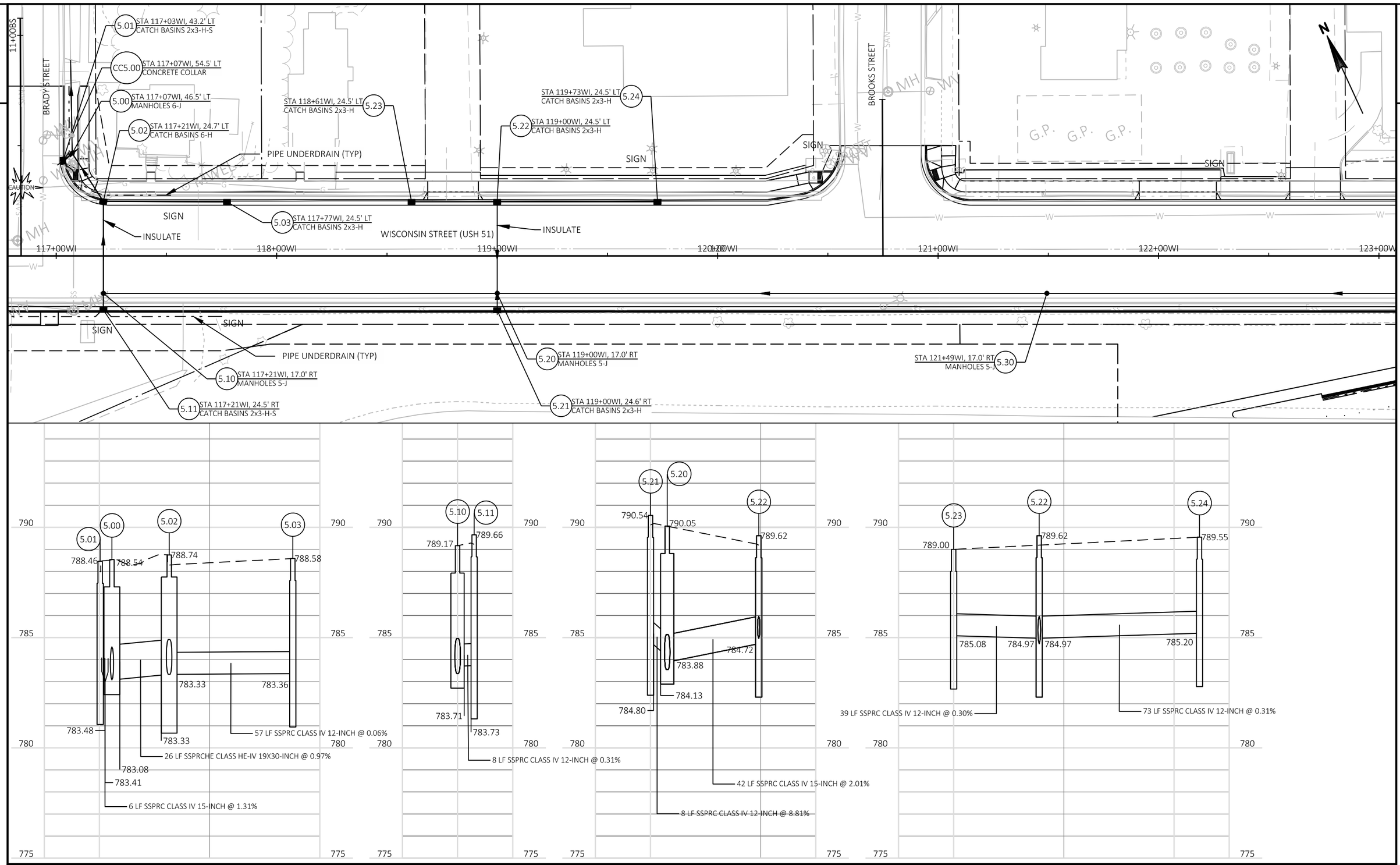
5.100
790.14
785.09
144 LF SSPRC CLASS IV 12-INCH @ 0.10%

790 785 780 775

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - WISCONSIN STREET	SHEET 110	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\022501_SS_DW&M 2.DWG
LAYOUT NAME - MIDDLE TL - 3

PLOT DATE : 7/20/2020 9:40 AM PLOT BY : JEDIDIAH MUNROE PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - WISCONSIN STREET	SHEET 111	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\022501_SS_DW&M 2.DWG
LAYOUT NAME - SERIES 5.00 - 5.10
PLOT DATE : 7/20/2020 9:41 AM PLOT BY : JEDIDIAH MUNROE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

STA 124+18WI, 25.2' LT
CATCH BASINS 4-H
5.42

WASHINGTON STREET

5.53 STA 125+03WI, 24.8' LT
CATCH BASINS 4-H-S

5.54 STA 125+11WI, 24.5' LT
CATCH BASINS 2x3-H-S

PIPE UNDERDRAIN (TYP)

5.62 STA 127+00WI, 24.5' LT
CATCH BASINS 4-H

SUPERIOR STREET

SIGN

INSULATE

123+00WI | 124+00WI | 125+00WI | 126+00WI | 127+00WI | 128+00WI

WISCONSIN STREET (USH 51)

STA 125+04WI, 17.0' RT
MANHOLES 5-J
5.50

5.52 STA 125+11WI, 24.0' RT
CATCH BASINS 2x3-H-S

PIPE UNDERDRAIN (TYP)

5.60 STA 127+00WI, 17.0' RT
MANHOLES 5-J

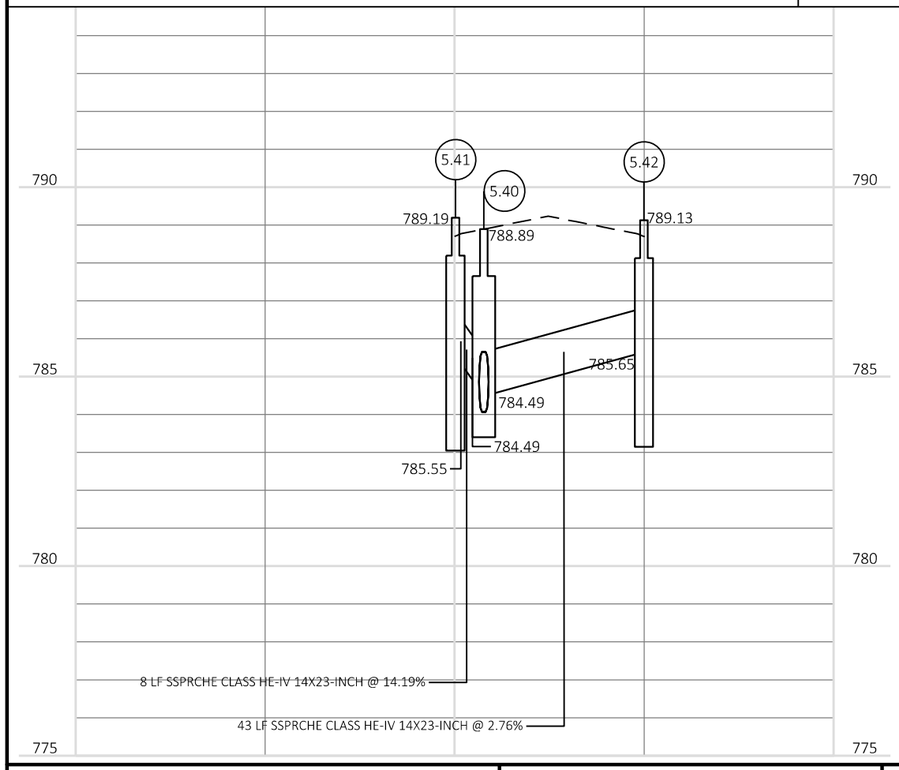
STA 124+19WI, 17.0' RT
MANHOLES 5-J
5.40

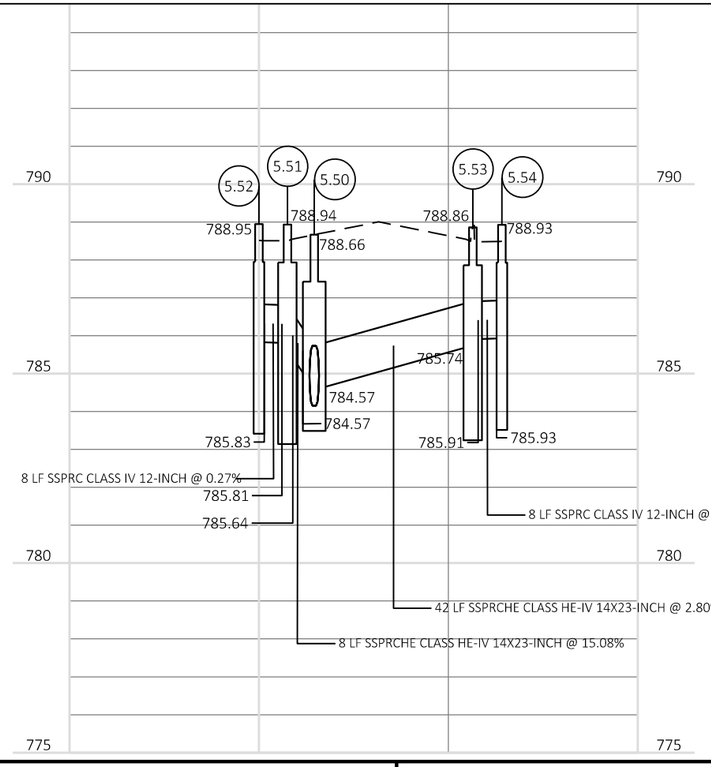
PIPE UNDERDRAIN CONNECTION
FROM RETAINING WALL

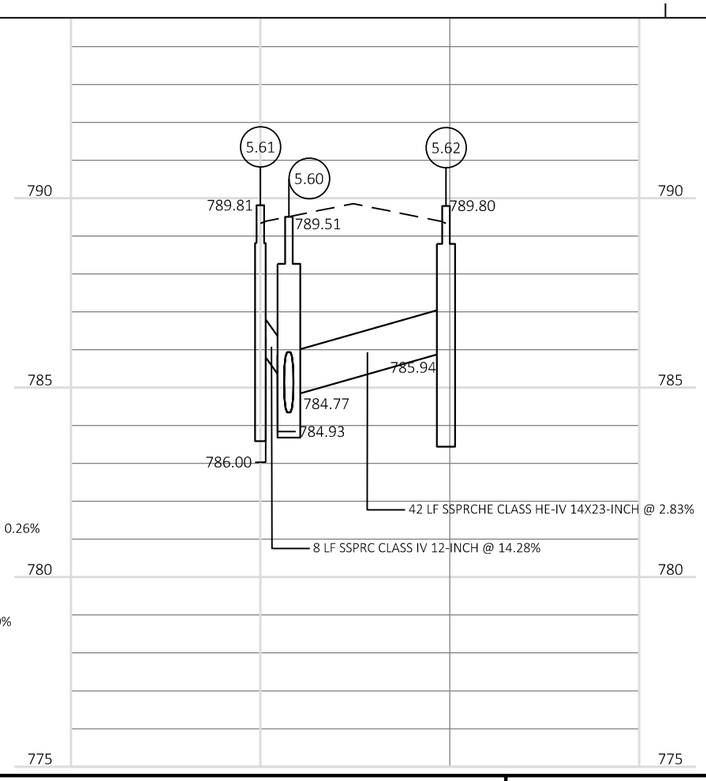
5.51 STA 125+04WI, 24.1' RT
CATCH BASINS 4-H-S

5.61 STA 127+00WI, 24.5' RT
CATCH BASINS 2x3-H

STA 124+19WI, 24.5' RT
CATCH BASINS 4-H
5.41







PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - WISCONSIN STREET	SHEET 112	E

5.82 STA 131+01WI, 24.5' LT
CATCH BASINS 4-H

STA 132+12WI, 26.8' LT 5.83
CATCH BASINS 2x3-H

MICHIGAN STREET

5.95 STA 132+89WI, 24.6' LT
CATCH BASINS 2x3-H-S

5.94 STA 133+02WI, 24.5' LT
CATCH BASINS 2x3-H-S

PIPE UNDERDRAIN (TYP)

SIGN

WAUONA TRAIL

PI: 136+78.85

INSULATE

INSULATE

5.96 STA 133+12WI, 24.5' LT
CATCH BASINS 2x3-H-S

131+00WI 132+00WI 133+00WI 134+00WI 135+00WI 136+00WI

WISCONSIN STREET (USH 51)

STA 133+02WI, 17.0' RT 5.90
MANHOLES 5-J LOW PROFILE

5.100 STA 134+45WI, 3.1' RT
MANHOLES 8-Z
0.8' RT COVER OPENING
5.4' RT COVER OPENING

5.80 STA 131+01WI, 17.0' RT
MANHOLES 5-J

PIPE UNDERDRAIN (TYP)

5.93 STA 133+09WI, 25.4' RT
CATCH BASINS 2x3-H-S

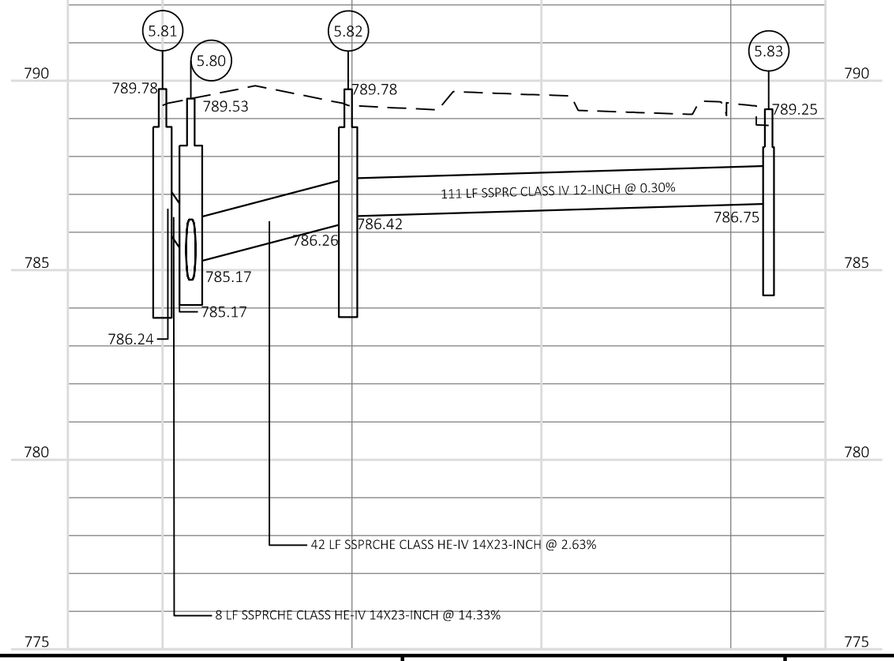
SIGN

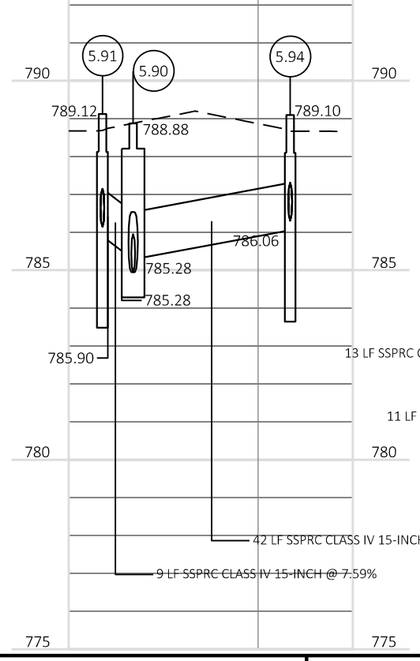
5.91 STA 133+02WI, 25.1' RT
CATCH BASINS 2x3-H-S

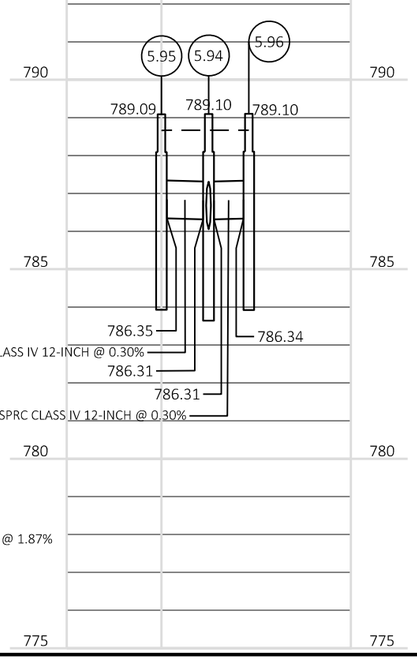
5.81 STA 131+01WI, 24.5' RT
CATCH BASINS 4-H

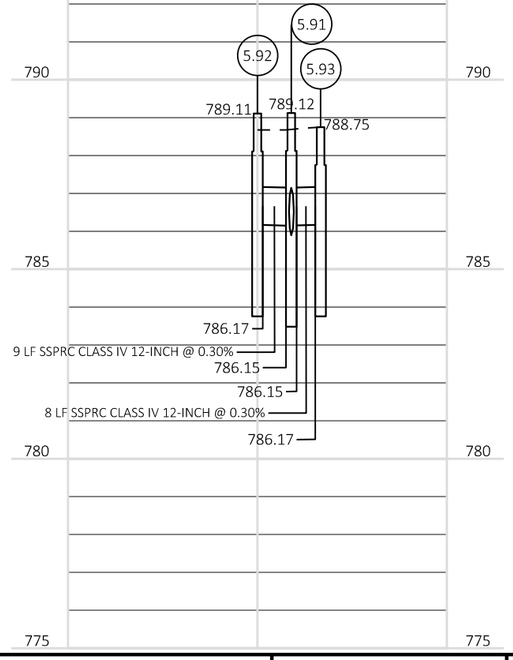
5.92 STA 132+93WI, 24.7' RT
CATCH BASINS 2x3-H-S

SIGN

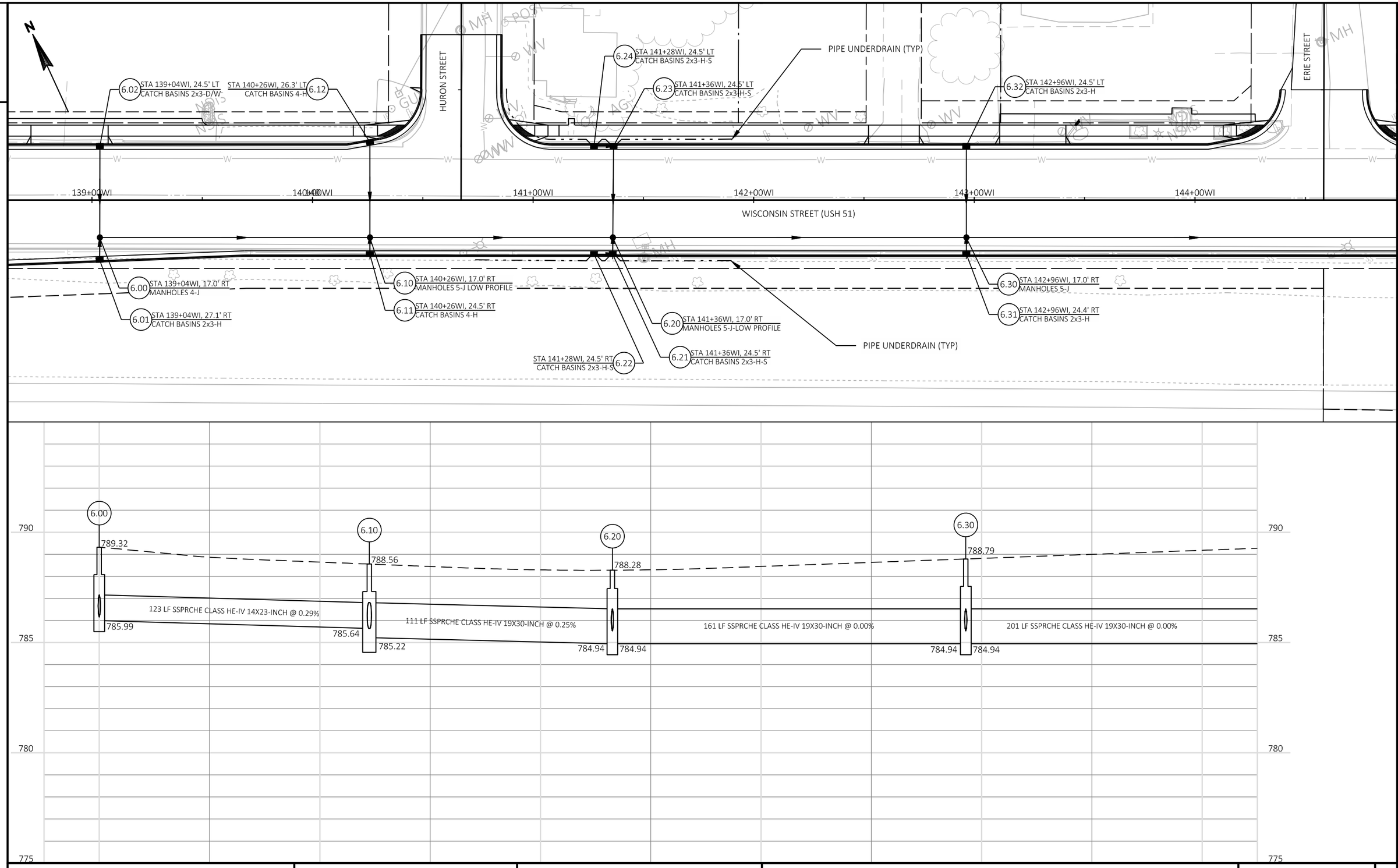






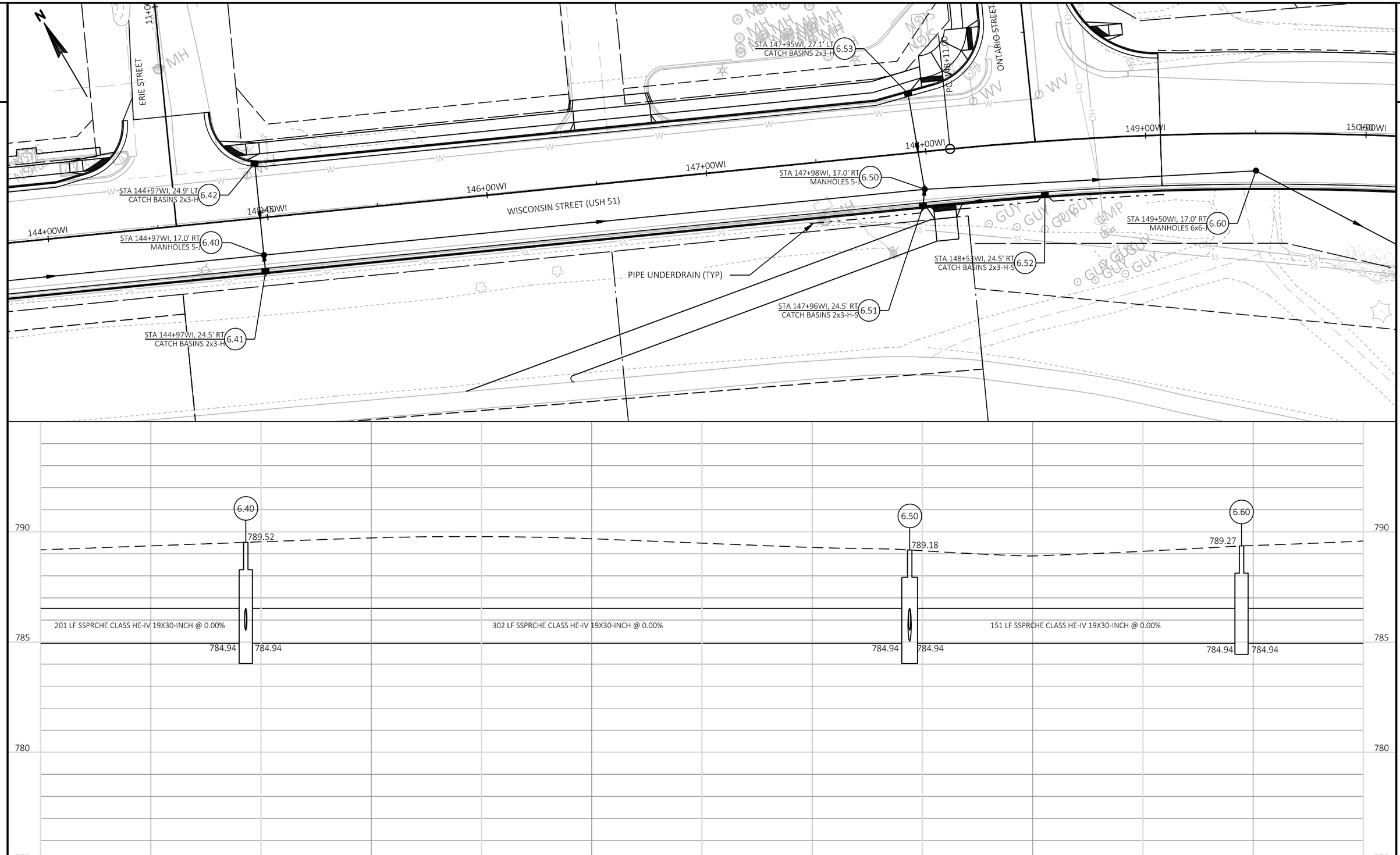


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - WISCONSIN STREET	SHEET 113	E



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - WISCONSIN STREET	SHEET 114 E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\022501_SS_E&W_2 (NO BIKE LANES)22.DWG
LAYOUT NAME - EAST TL
PLOT DATE : 7/20/2020 9:58 AM
PLOT BY : JEDIDIAH MUNROE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - WISCONSIN STREET	SHEET 115	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\022501_SS_E&W_2 (NO BIKE LANES)22.DWG
LAYOUT NAME - EAST TL - 2
PLOT DATE : 7/20/2020 9:58 AM
PLOT BY : JEDIDIAH MUNROE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

POST

POST

POST

GUY

OH

OH

OH

OH

OH

OH

150+00WI

151+00WI

152+00WI

153+00WI

154+00WI

155+00WI

156+00WI

PT: 152+51.59

PI: 155+01.22

WISCONSIN STREET (USH 51)

SOUTHTOWN ROAD

SS

N

OF 6

STA 150+41WI, 60.0' RT
APRON ENDWALLS FOR CPRCHE,19X30-INCH

790

785

780

775

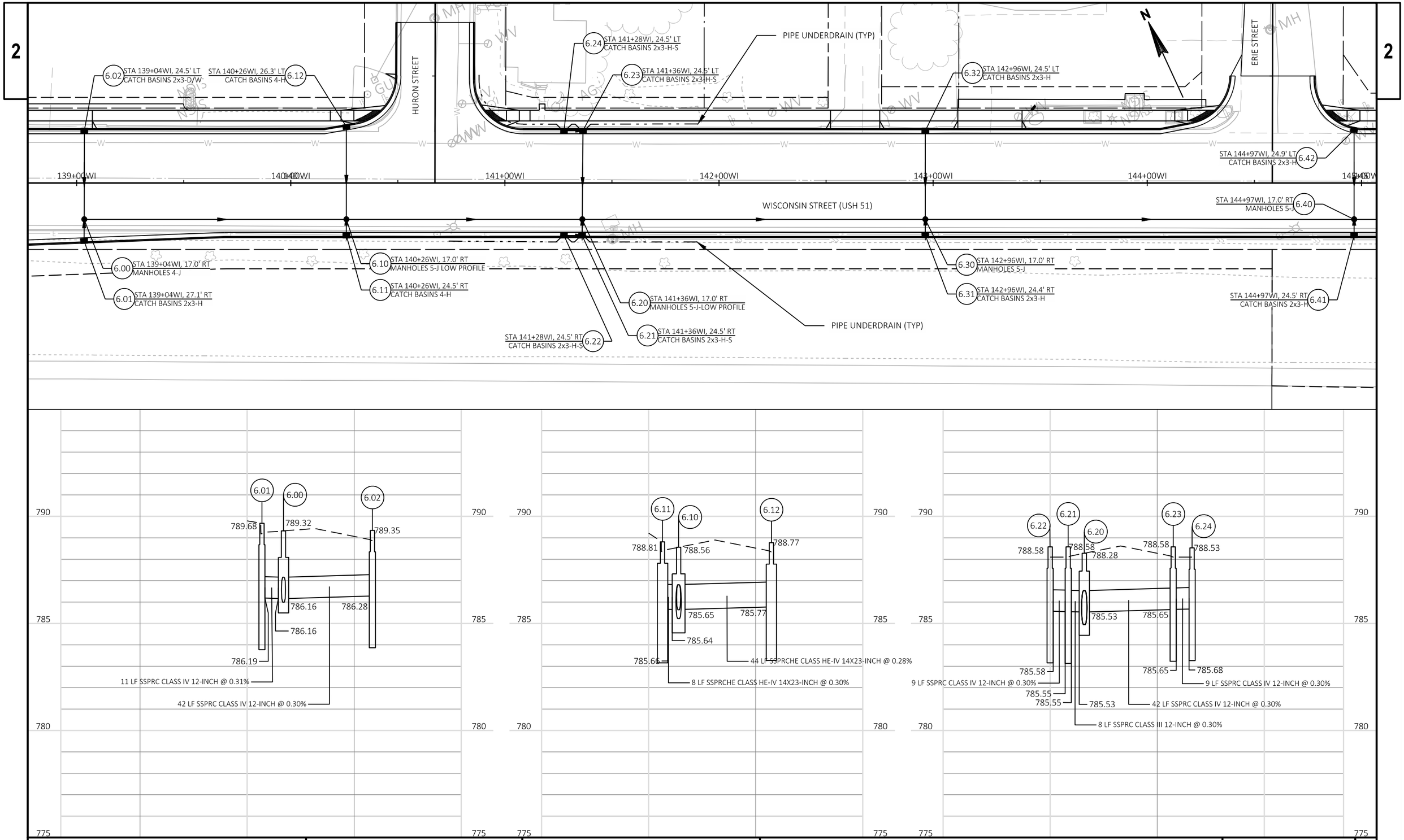
OF 6

784.94

784.94

99 LF SSPRCHE CLASS HE-IV 19X30-INCH @ 0.00%

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - WISCONSIN STREET	SHEET 116	E



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - WISCONSIN STREET	SHEET 117	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\022501_SS_E&W_2 (NO BIKE LANES)22.DWG
LAYOUT NAME - SERIES 6.10 - 6.20
PLOT DATE : 7/20/2020 9:59 AM PLOT BY : JEDIDIAH MUNROE PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

PIPE UNDERDRAIN (TYP)

6.32 STA 142+96WI, 24.5' LT
CATCH BASINS 2x3-H

ERIE STREET

STA 144+97WI, 24.9' LT 6.42
CATCH BASINS 2x3-H

142+00WI 143+00WI 144+00WI 145+00WI 146+00WI 147+00WI

STA 144+97WI, 17.0' RT 6.40
MANHOLES 5-J

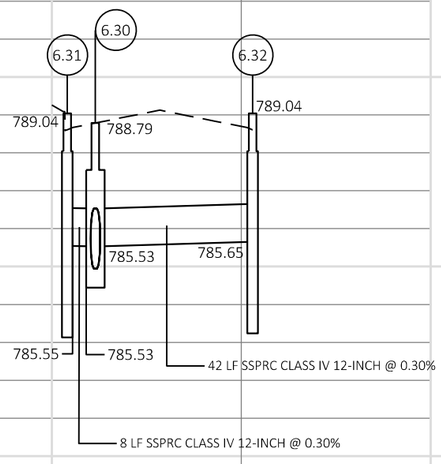
WISCONSIN STREET (USH 51)

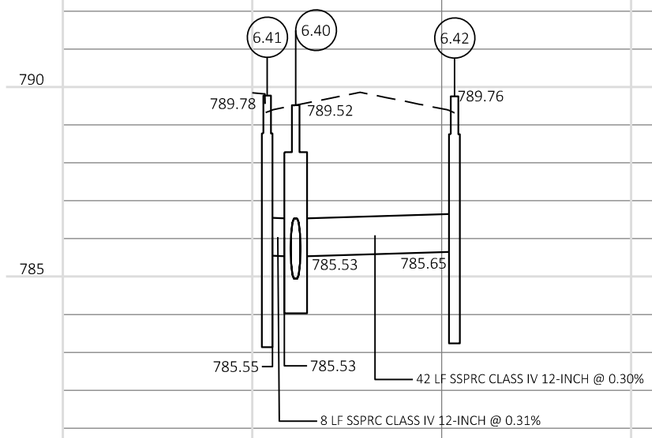
6.30 STA 142+96WI, 17.0' RT
MANHOLES 5-J

6.31 STA 142+96WI, 24.4' RT
CATCH BASINS 2x3-H

STA 144+97WI, 24.5' RT 6.41
CATCH BASINS 2x3-H

PIPE UNDERDRAIN (TYP)

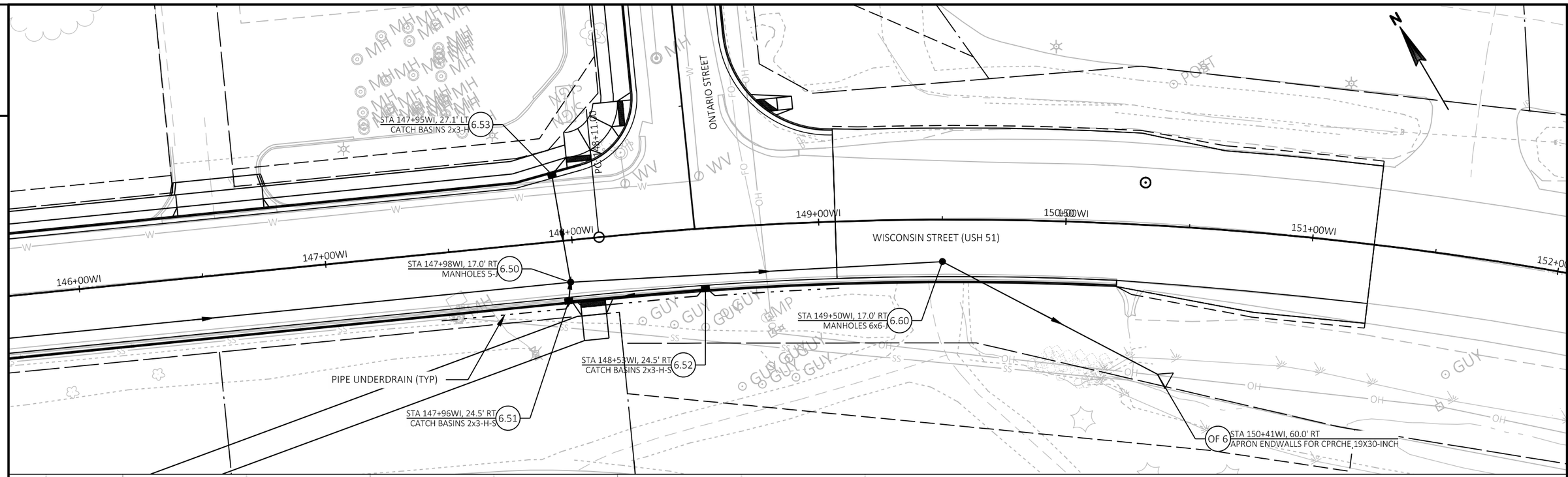


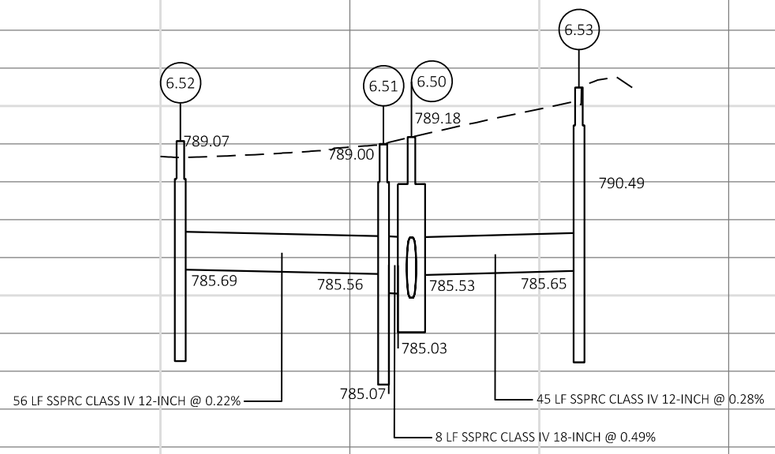


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - WISCONSIN STREET	SHEET 118 E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\022501_SS_E&W_2 (NO BIKE LANES)22.DWG
LAYOUT NAME - SERIES 6.30 - 6.40

PLOT DATE : 7/20/2020 9:59 AM PLOT BY : JEDIDIAH MUNROE PLOT NAME : PLOT SCALE : 1 IN:40 FT



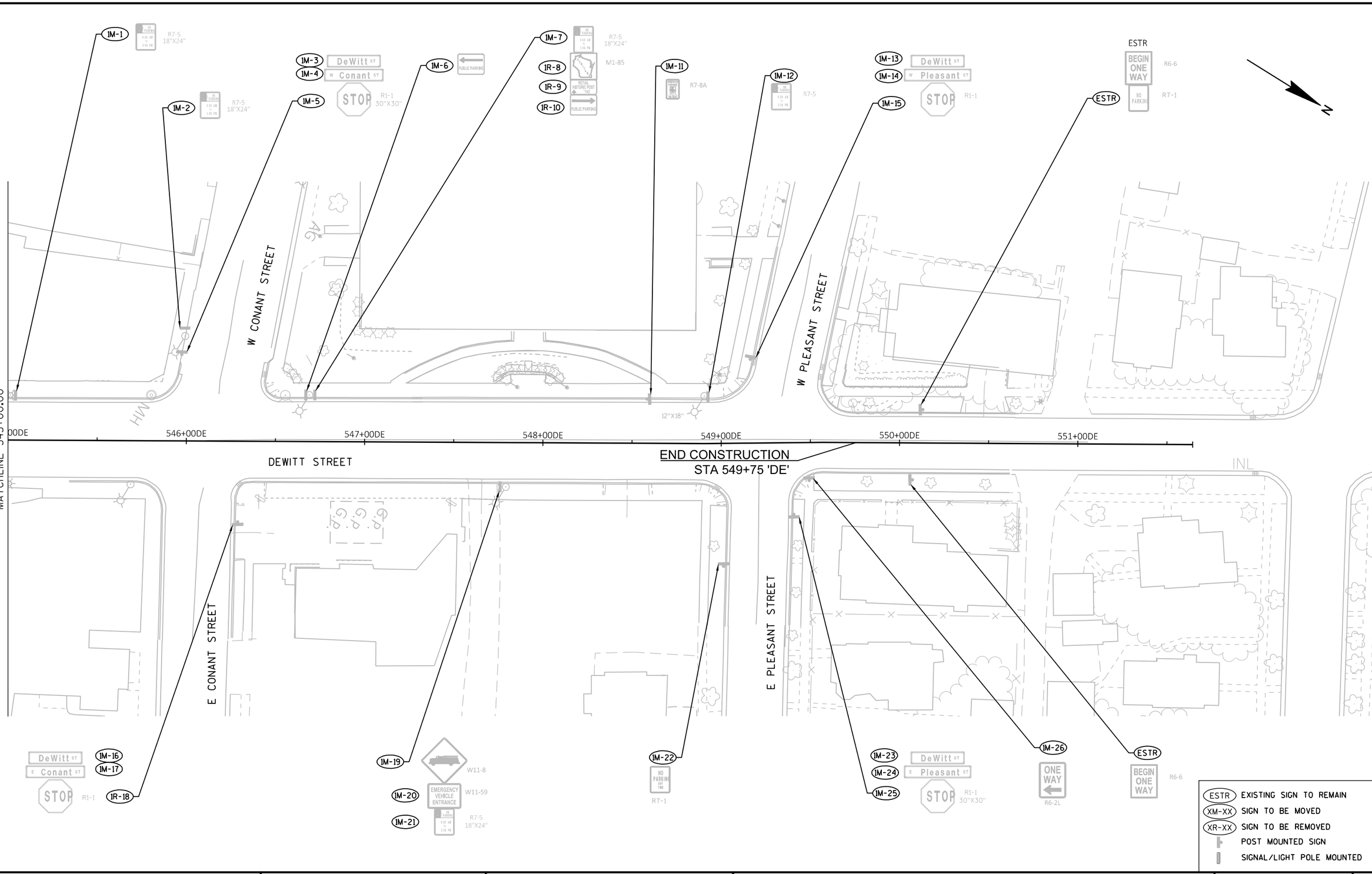


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	STORM SEWER - WISCONSIN STREET	SHEET 119	E

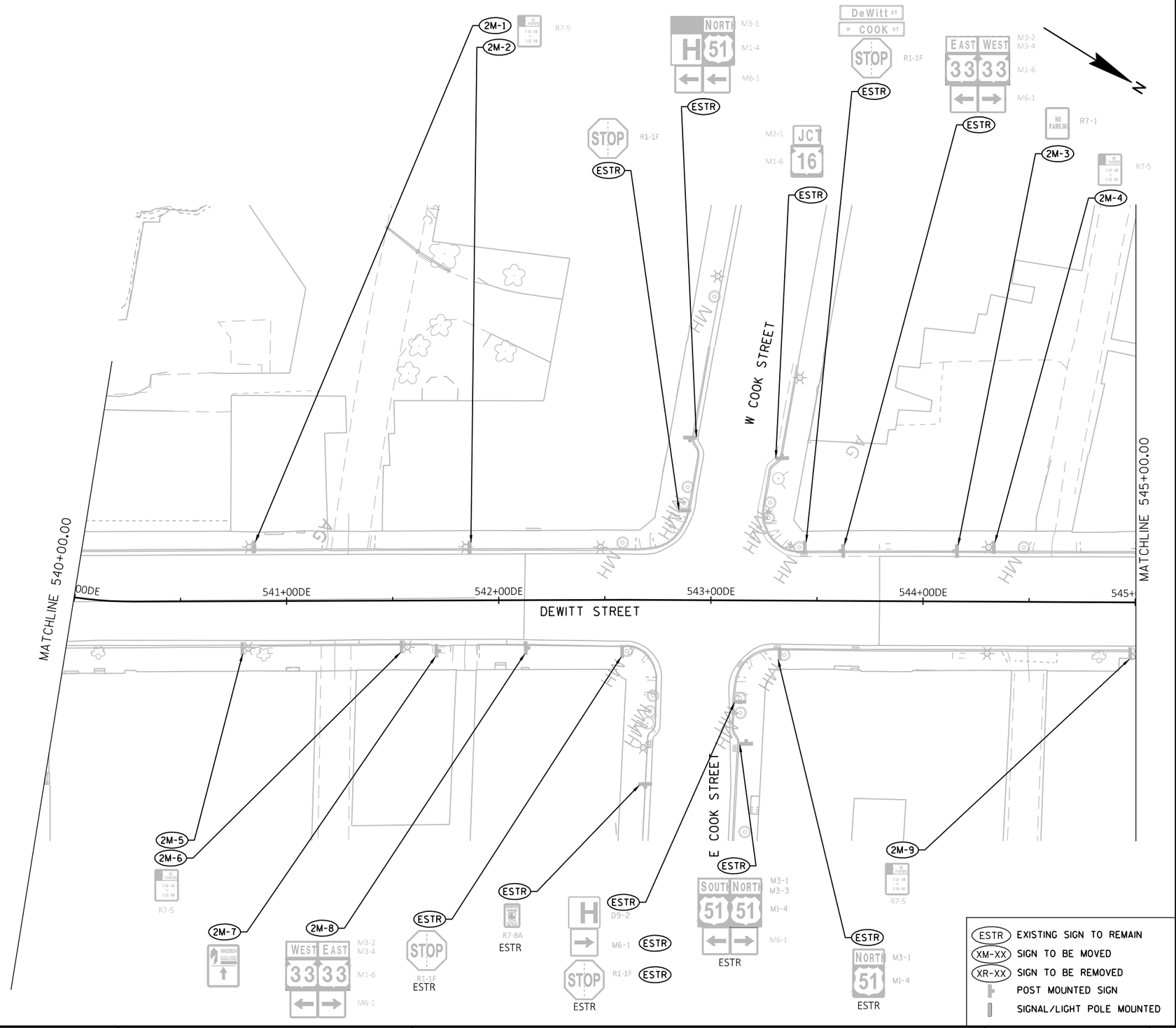
FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\022501_SS_E&W_2 (NO BIKE LANES)22.DWG
LAYOUT NAME - SERIES 6.50 - 6.60

PLOT DATE : 7/20/2020 10:00 AM PLOT BY : JEDIDIAH MUNROE PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EXISTING SIGNING	SHEET 120	E



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EXISTING SIGNING	SHEET 121	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\023201_PSEXISTING.DWG PLOT DATE : 7/6/2020 3:19 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 44

2

N

BEGIN PROJECT
STA 100+37.55 'WI'

MATCHLINE 540+00.00

MATCHLINE 104+50.00

98+00WI | 99+00WI | 100+00WI | 101+00WI | 102+00WI | 103+00WI | 104+00WI

WISCONSIN STREET

W EDGEWATER STREET

12+00WE

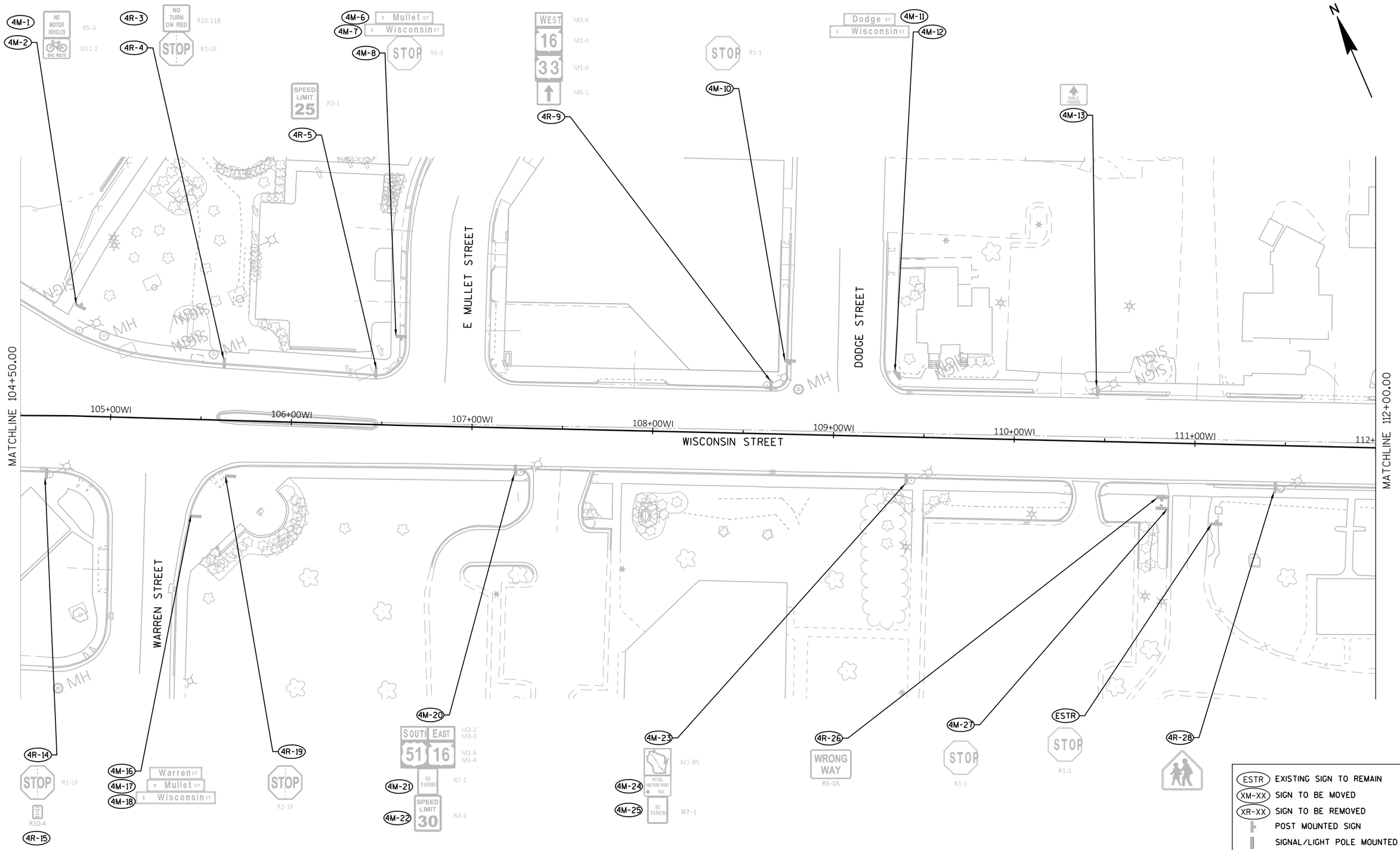
540+00E

3R-1 3R-2 3R-3 3M-4 3M-5 3M-6 3M-7 3M-8 3M-9 3R-10 3R-11 3M-12 3M-13 3R-14 ESTR ESTR 3M-15 3M-16 3M-17 3M-18 3R-19 3R-20 3M-21 3R-22

REMOVE SIGN STRUCTURE

xR-xx	EXISTING SIGN TO BE REMOVED
xM-xx	EXISTING SIGN TO BE MOVED
ESTR	EXISTING SIGN TO REMAIN
MBO	SIGN MOVED BY OTHERS
RBO	SIGN REMOVED BY OTHERS
	POST MOUNTED SIGN
	SIGNAL/LIGHT POLE MOUNTED

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EXISTING SIGNING	SHEET 122	E



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EXISTING SIGNING	SHEET 123	E

2

2

N

5M-1 Pauquette ST
5M-2 E Wisconsin ST
STOP R1-1
5M-3

WEST 33 WEST 16 LEFT LANE
5R-4

EAST 33 NORTH 51 RIGHT LANE
5R-5

H D9-2
5M-6

SPEED LIMIT 30 R2-1
5R-8

STOP R1-1
5M-9

5M-7

5M-10 Brady ST
E Wisconsin ST
5M-11

ALTERNATE 39 USE LEFT LANE M4-1 M1-1 M4-20L
5M-12

NO PARKING ANYTIME R7-1
MADISON COLLEGE
5M-13
5M-14

PAUQUETTE STREET

BRADY STREET

MH

REMOVE SIGN STRUCTURE

MATCHLINE 112+00.00

00WI 113+00WI 114+00WI 115+00WI 116+00WI 117+00WI 118+00WI 119+00WI

WISCONSIN STREET

REMOVE SIGN STRUCTURE

MATCHLINE 119+50.00

5R-15 SPEED LIMIT 30 R2-1
5M-16 NO PARKING R7-1

5M-17 NO PARKING R7-1

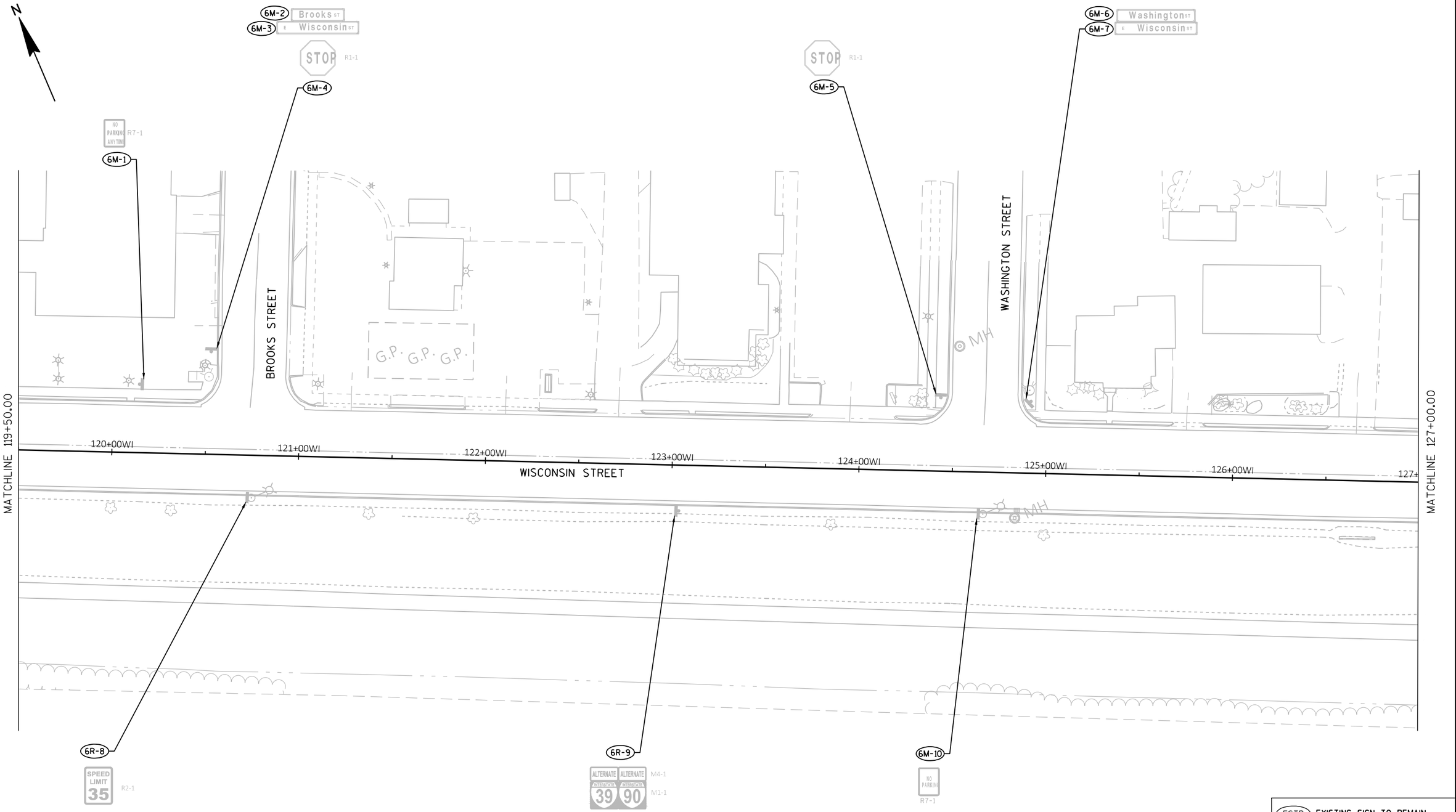
5M-18 SPEED LIMIT 35 R2-1
5M-19 NO PARKING R7-1

ESTR EXISTING SIGN TO REMAIN
XM-XX SIGN TO BE MOVED
XR-XX SIGN TO BE REMOVED
POST MOUNTED SIGN
SIGNAL/LIGHT POLE MOUNTED

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EXISTING SIGNING	SHEET 124	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\023201_PSEXISTING.DWG PLOT DATE : 7/6/2020 3:19 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44



ESTR EXISTING SIGN TO REMAIN
XM-XX SIGN TO BE MOVED
XR-XX SIGN TO BE REMOVED
POST MOUNTED SIGN
SIGNAL/LIGHT POLE MOUNTED

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EXISTING SIGNING	SHEET 125	E

2

2

N

STOP R1-1

7M-1 NO PARKING ANYTIM R7-1

7M-2

7M-3 Superior ST E Wisconsin ST

7M-4

SUPERIOR STREET

7M-5 NO PARKING ANYTIM R7-1

7M-6 SPEED LIMIT 35 R2-1

NO PARKING R7-1

7M-7

7M-8 Michigan ST

7M-9 E Wisconsin ST

7M-10 STOP R1-1

MICHIGAN STREET

MATCHLINE 127+00.00

00WI 128+00WI 129+00WI 130+00WI 131+00WI 132+00WI 133+00WI 134+00WI

WISCONSIN STREET

MATCHLINE 134+50.00

MH

7M-11 NO PARKING R7-1

7M-12 NO PARKING R7-1

ESTR EXISTING SIGN TO REMAIN

XM-XX SIGN TO BE MOVED

XR-XX SIGN TO BE REMOVED

POST MOUNTED SIGN

SIGNAL/LIGHT POLE MOUNTED

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EXISTING SIGNING	SHEET 126	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\023201_PSEXISTING.DWG PLOT DATE : 7/6/2020 3:19 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N

8M-1 H D9-2 NO PARKING ANYTIME R7-1

8M-2

8M-3 WAUONA

8M-4 Wauona TRL

8M-5 E Wisconsin ST

8M-6 STOP R1-1

8R-7

STOP R1-1

8M-8

8M-9 Huron ST

E Wisconsin ST

8M-10

WAUONA TRAIL

HURON STREET

MATCHLINE 134+50.00

135+00WI 136+00WI 137+00WI 138+00WI 139+00WI 140+00WI 141+00WI 142+

WISCONSIN STREET

MATCHLINE 142+00.00

8M-11 NO PARKING R7-1

8R-12

8R-13 SOUTH EAST 51 16 M3-2 M3-3 M1-4 NO PARKING R7-1

8M-14

ESTR	EXISTING SIGN TO REMAIN
XM-XX	SIGN TO BE MOVED
XR-XX	SIGN TO BE REMOVED
	POST MOUNTED SIGN
	SIGNAL/LIGHT POLE MOUNTED

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EXISTING SIGNING	SHEET 127	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\023201_PSEXISTING.DWG PLOT DATE : 7/6/2020 3:19 PM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : **********

2

N

9M-1 SPEED LIMIT 35 R2-1

9M-2 NO PARKING R7-1

STOP R1-1

9M-3

9M-4

9M-5 Erie ST E Wisconsin ST

Ontario ST E Wisconsin ST

9M-6

9M-7

STOP R1-1

9M-8

(SOLAR PANEL ON TOP OF POST)

SPEED LIMIT 35 R2-1

9M-9

ERIE STREET

ONTARIO STREET

MADISON COLLEGE

9M-12

MATCHLINE 142+00.00

142+00WI

143+00WI

144+00WI

145+00WI

146+00WI

147+00WI

148+00WI

149+00WI

WISCONSIN STREET

MATCHLINE 149+50.00

9M-10

NO PARKING R7-1

9R-11

SPEED LIMIT 35 R2-1

ESTR EXISTING SIGN TO REMAIN

XM-XX SIGN TO BE MOVED

XR-XX SIGN TO BE REMOVED

POST MOUNTED SIGN

SIGNAL/LIGHT POLE MOUNTED

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EXISTING SIGNING	SHEET 128	E

2

N

STOP R1-1

SPEED LIMIT 35 R2-1

ESTR

ESTR

ESTR

ESTR Southtown RD

ESTR E Wisconsin ST

SOUTHTOWN ROAD

POST

POST

END PROJECT
STA 151+25 'WI'

MATCHLINE 149+50.00

150+00WI

151+00WI

152+00WI

153+00WI

154+00WI

155+00WI

156+00WI

157+00W

WISCONSIN STREET

10R-5

ADOPT A HIGHWAY SPONSOR SPONSOR SPONSOR SPONSOR

155-56

ESTR

SPEED LIMIT 45 R2-1

ESTR EXISTING SIGN TO REMAIN

XM-XX SIGN TO BE MOVED

XR-XX SIGN TO BE REMOVED

POST MOUNTED SIGN

SIGNAL/LIGHT POLE MOUNTED

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	EXISTING SIGNING	SHEET 129	E

2

N

BEGIN PROJECT
STA 100+37.55 'WI'

98+00WI
99+00WI
100+00WI
101+00WI
102+00WI
103+00WI
104+00WI

WISCONSIN STREET

E EDGEWATER STREET

W EDGEWATER STREET

MATCHLINE 540+00.00

MATCHLINE 104+50.00

ONE WAY

SOUTH 51 WEST 16 EAST 16 ALTERNATE 39 INTERSTATE
JV2-4
48"X81"
3-34

3M-9 PUBLIC PARKING

WEST 16 ALTERNATE 39 INTERSTATE
JV4-3

WEST ALTERNATE 16 39 INTERSTATE
J3-2
48"X57"
3-25

3-23
W11-2
30"X30"
3-24
W16-7L
24"X12"

STOP
R1-1
3M-5

3-19
3M-12

STOP
R1-1F
3M-21

W12-1D
24"X24"
3-26

R4-7
24"X30"
3-27

3M-9 PUBLIC PARKING
3M-7 DeWitt ST
3M-8 E Edgewater ST

R4-7
24"X30"
3-36

3-28
W12-1D
24"X24"

TO NORTH 51 EAST 33
J33-2
48"X69"
3-29

ESTR
R7-5

3-30
W11-2
30"X30"
3-31
W16-7L
24"X12"
3M-15
PUBLIC PARKING

W Wisconsin ST
W Edgewater ST
STOP
R1-1
3M-16
3M-17
3M-18

R4-7
24"X30"
3-32

3M-6
NORTH 51
J3-1

3-35
R4-7
24"X30"

3-33

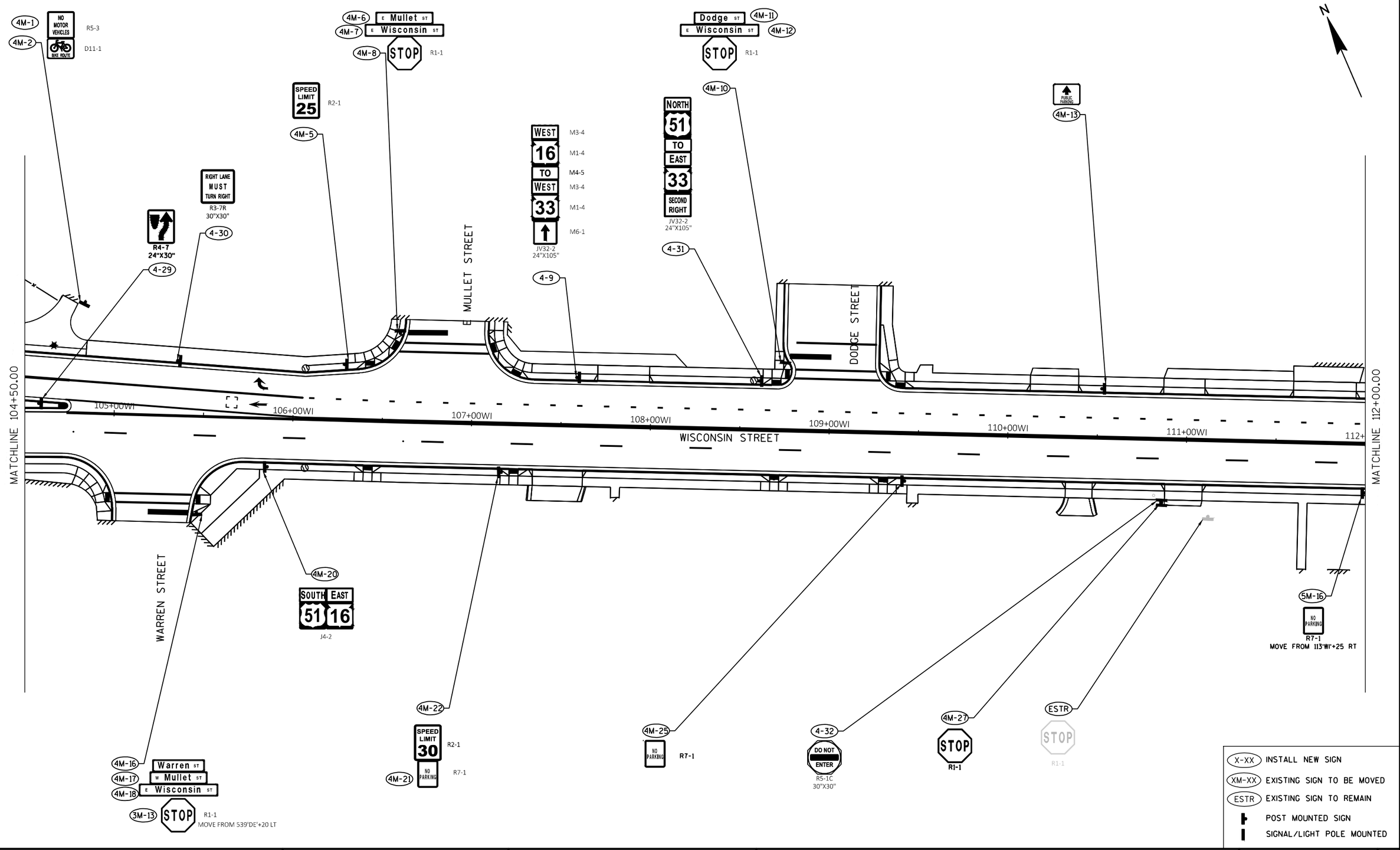
SOUTH 51 EAST 16
J3-2
48"X57"

3-37
R4-7
24"X30"

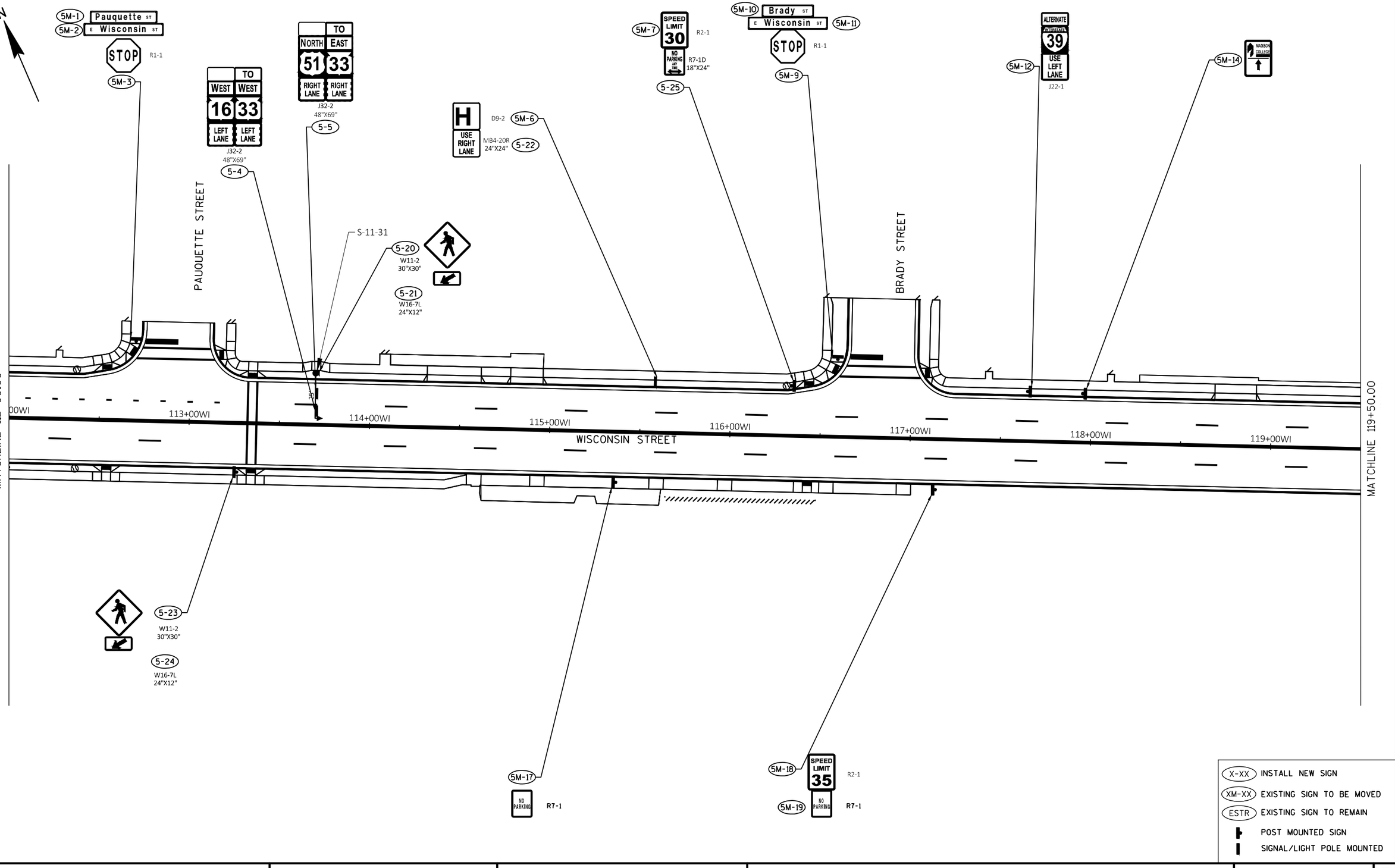
X-XX INSTALL NEW SIGN
XM-XX EXISTING SIGN TO BE MOVED
ESTR EXISTING SIGN TO REMAIN
POST MOUNTED SIGN
SIGNAL/LIGHT POLE MOUNTED

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PERMANENT SIGNING	SHEET 130	E

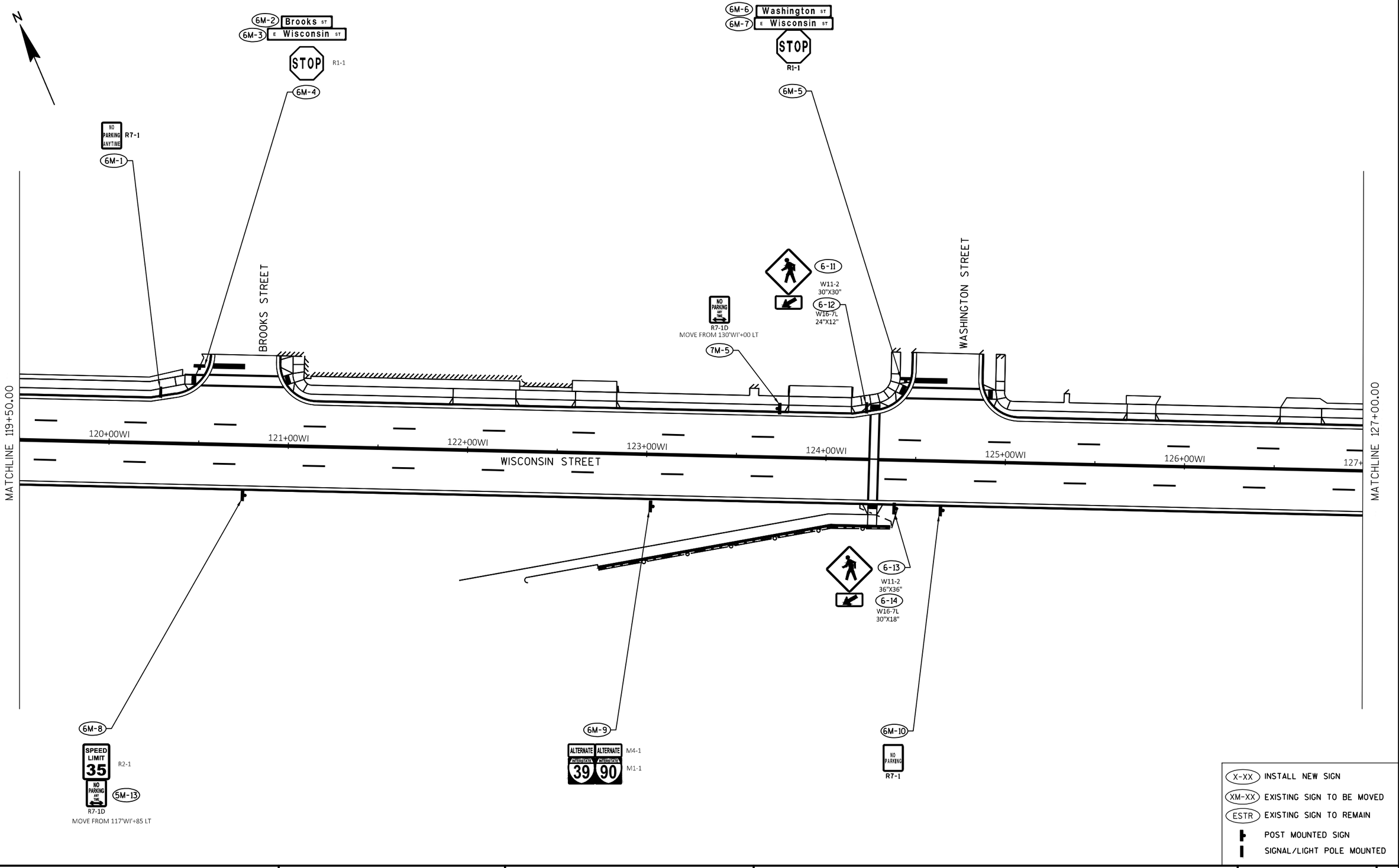
2



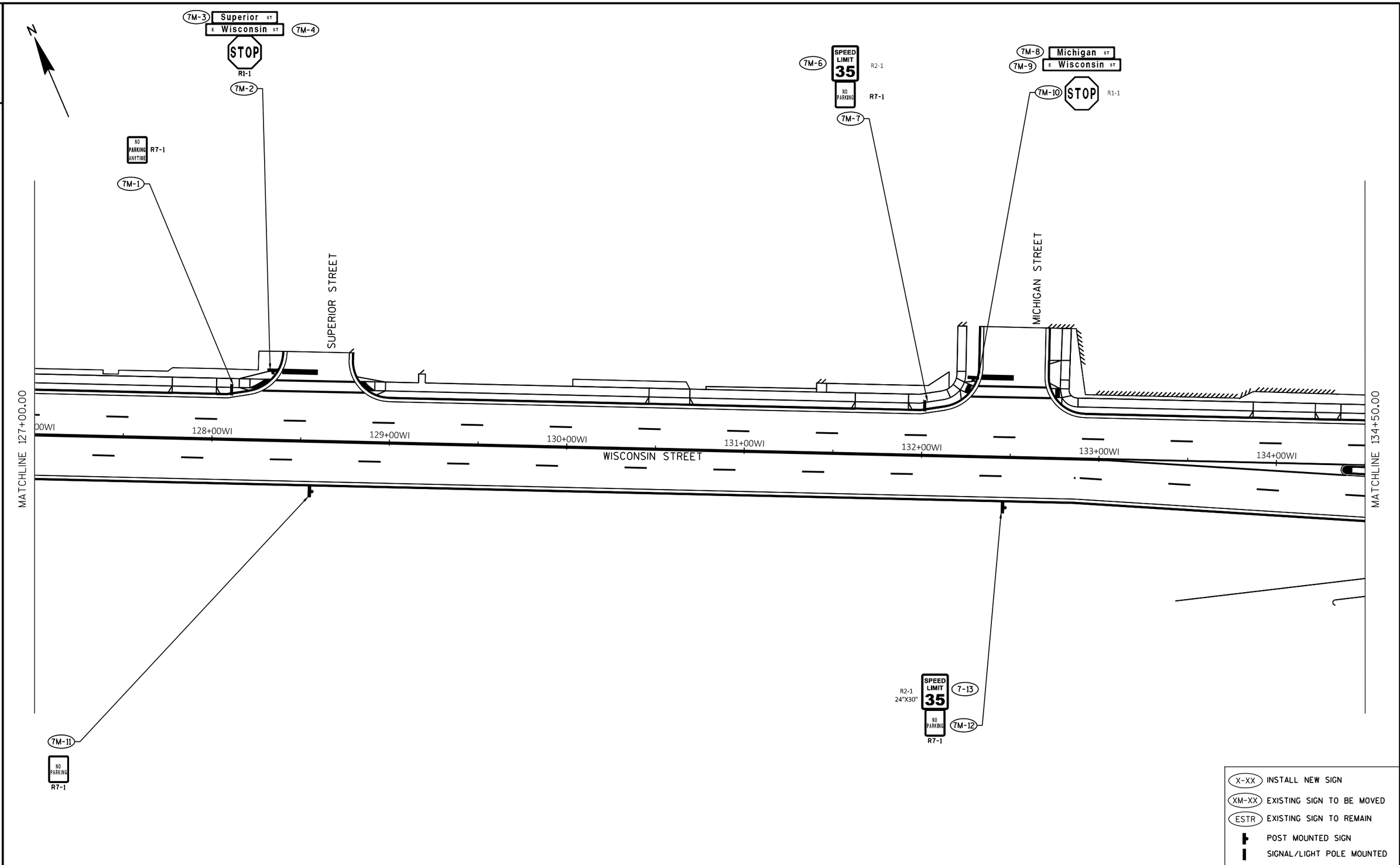
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PERMANENT SIGNING	SHEET 131	E



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PERMANENT SIGNING	SHEET 132	E



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PERMANENT SIGNING	SHEET 133	E



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PERMANENT SIGNING	SHEET 134	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\023201_PSNEW.DWG PLOT DATE : 7/8/2020 10:48 AM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N

8M-1 H D9-2

8-15 MB6-1 21"X21"

NO PARKING ANYTIME R7-1

8M-2

8M-3 WAUONA

8M-4 Wauona TRL

8M-5 E Wisconsin ST

8M-6 STOP R1-1

8M-9 Huron ST

E Wisconsin ST 8M-10

STOP R1-1

8M-8

W11-2 30"X30"

W16-7L 24"X12"

8-16

8-17

WAUONA TRAIL

NO PARKING ANY TIME R7-1D 18"X24"

8-20

HURON STREET

MATCHLINE 134+50.00

135+00WI

136+00W

137+00WI

138+00WI

139+00WI

140+00WI

141+00WI

142+

WISCONSIN STREET

MATCHLINE 142+00.00

8M-11 NO PARKING R7-1

8M-14 NO PARKING R7-1

W11-2 30"X30"

W16-7L 24"X12"

8-18

8-19

X-XX INSTALL NEW SIGN

XM-XX EXISTING SIGN TO BE MOVED

ESTR EXISTING SIGN TO REMAIN

POST MOUNTED SIGN

SIGNAL/LIGHT POLE MOUNTED

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PERMANENT SIGNING	SHEET 135	E

2

N

9M-4 Erie ST
9M-5 E Wisconsin ST
STOP R1-1 30"X30"
9M-2 NO PARKING R7-1
9M-3
ERIE STREET
9M-1 SPEED LIMIT 35 R2-1
MADISON COLLEGE
9M-12
Ontario ST
E Wisconsin ST
9M-6
9M-7
STOP R1-1
9M-8
W11-2 30"X30"
W16-7L 24"X12"
9-13
9-14
ONTARIO STREET
(SOLAR PANEL ON TOP OF POST)
SPEED LIMIT 35 R2-1
9M-9

MATCHLINE 142+00.00

142+00WI
143+00WI
144+00WI
145+00WI
146+00WI
147+00WI
148+00WI
149+00WI

WISCONSIN STREET

MATCHLINE 149+50.00

9M-10 NO PARKING R7-1

W11-2 30"X30"
W16-7L 24"X12"
9-15
9-16

9M-11 SPEED LIMIT 35 R2-1

X-XX INSTALL NEW SIGN
XM-XX EXISTING SIGN TO BE MOVED
ESTR EXISTING SIGN TO REMAIN
POST MOUNTED SIGN
SIGNAL/LIGHT POLE MOUNTED

2

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PERMANENT SIGNING	SHEET 136	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\023201_PSNEW.DWG PLOT DATE : 7/8/2020 10:48 AM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N

MATCHLINE 149+50.00

150+00WI

151+00WI

152+00WI

153+00WI

154+00WI

155+00WI

156+00WI

157+00W

WISCONSIN STREET

SOUTHTOWN ROAD

END PROJECT
STA 151+25.00 'WI'

STOP R1-1

SPEED LIMIT 35 R2-1

ESTR

Southtown RD
E Wisconsin ST

I55-56 ADOPT A HIGHWAY 10M-1

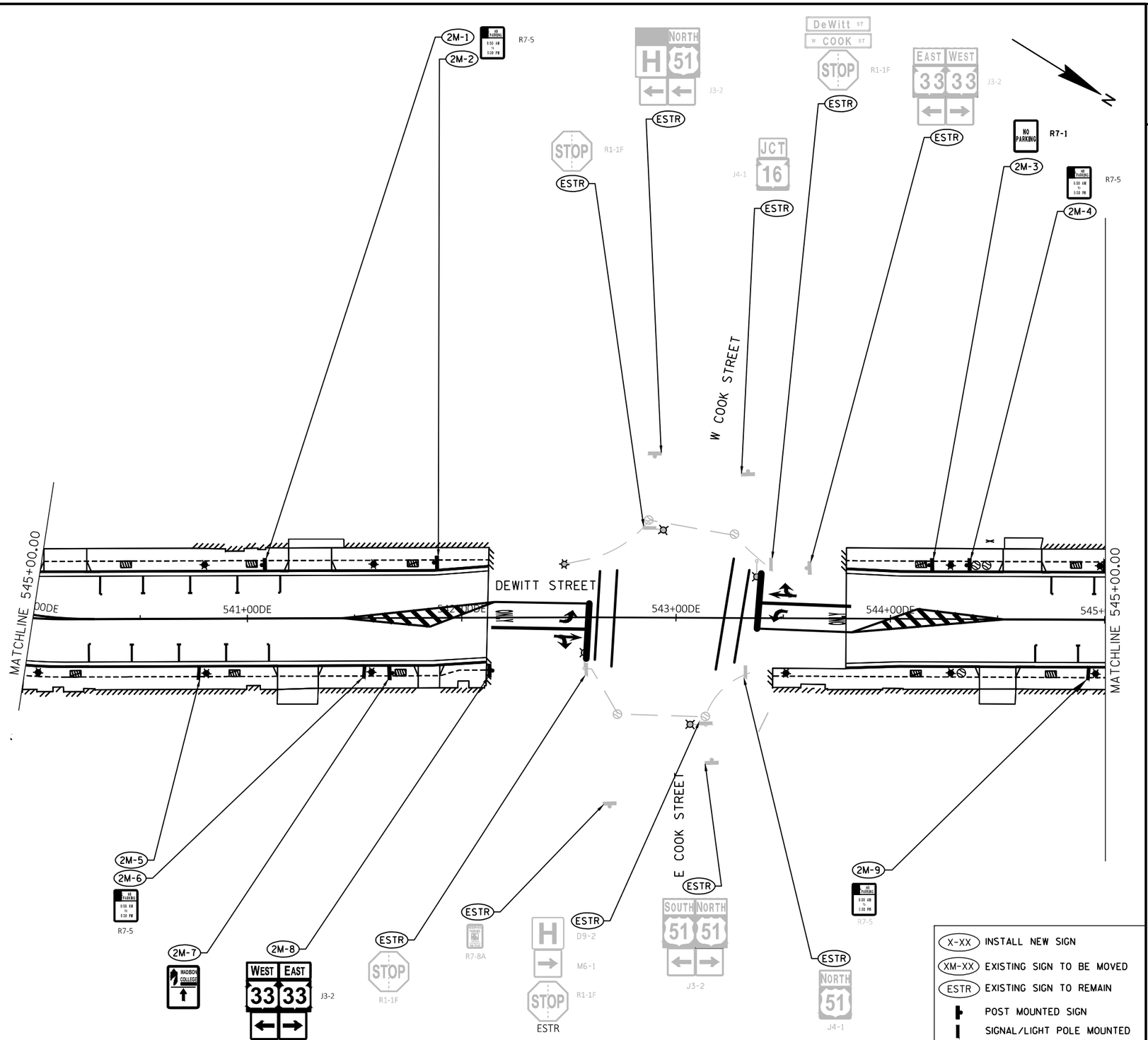
I55-56P SPONSOR LINE 1 SPONSOR LINE 2 SPONSOR LINE 3 10M-2

SPEED LIMIT 45 R2-1

X-XX INSTALL NEW SIGN
XM-XX EXISTING SIGN TO BE MOVED
ESTR EXISTING SIGN TO REMAIN
POST MOUNTED SIGN
SIGNAL/LIGHT POLE MOUNTED

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PERMANENT SIGNING	SHEET 137	E

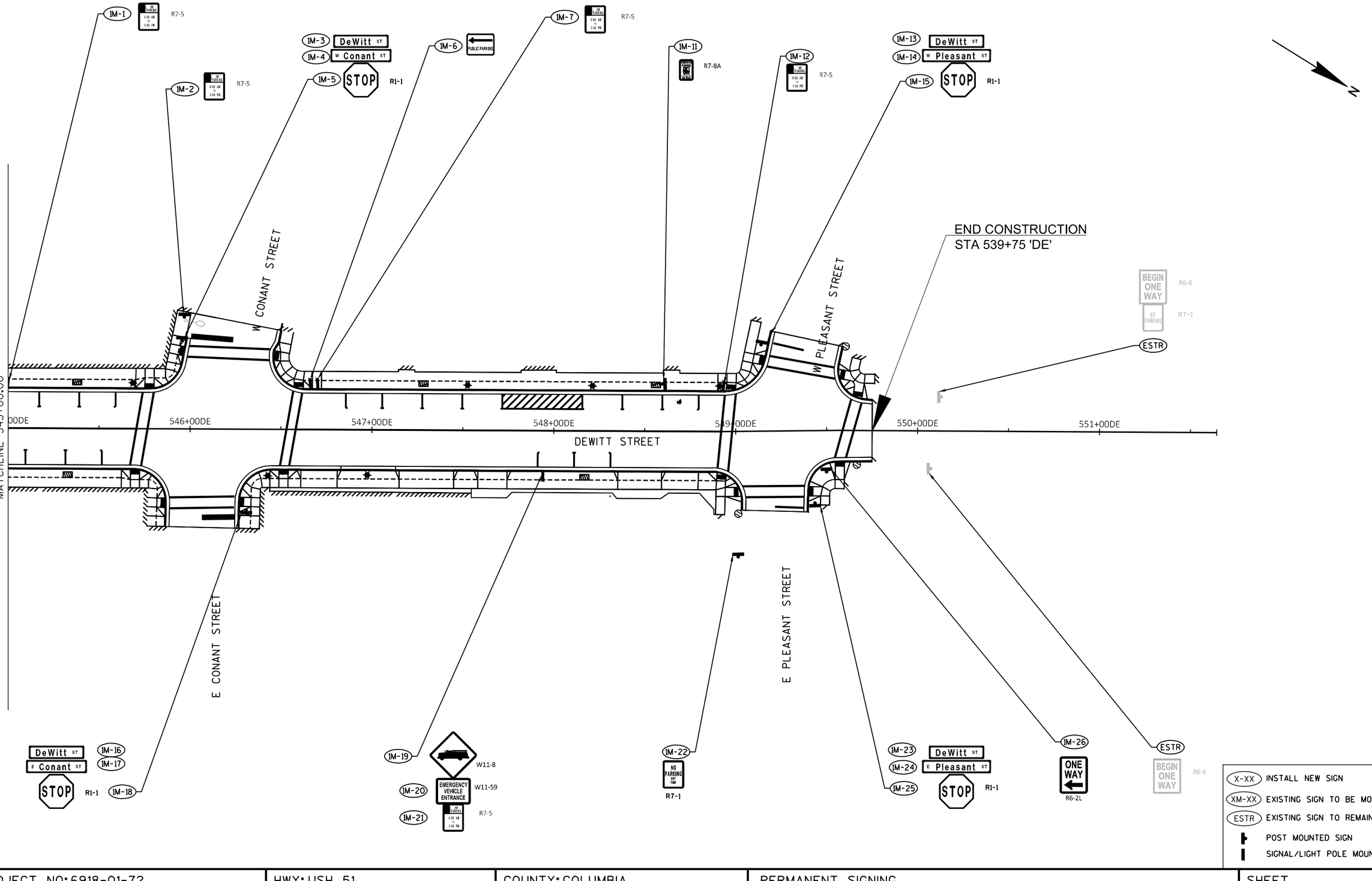
FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\023201_PSNEW.DWG PLOT DATE : 7/8/2020 10:48 AM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : **********



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PERMANENT SIGNING	SHEET 138	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\023201_PSNEW.DWG PLOT DATE : 7/8/2020 10:48 AM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : **********

2



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PERMANENT SIGNING	SHEET 139	E

2

2

MATCH LINE 540+00

E EDGEWATER ST

11'EE+00

EE+51.56
-20.50'LT

EE+51.33
0.06'LT

DE+84.34
-12.00'LT

DE+72.91
-17.00'LT

DE+63.
-60.16'LT

WI+61.05
-53.31'LT

WI+43.37
-28.00'LT

WI+43.45
-12.00'LT

WI+14.60
-22.00'LT

WI+37.58
0.00'

WI+70.43
0.00'

99'WI'+00

100'WI'+00

101'WI'+00

102'WI'+00

103'WI'+00

104'WI'+00

105'WI'+00

106'W

MATCH LINE 106+00.00

WE+34.57
0.00'LT

WE+40.23
16.15'RT

12'WE'+00

11'WE'+00

W EDGEWATER ST

WA+85.61
3.86'RT

WA+85.71
22.70'RT

11'WA'+00

WARREN ST

N

LEGEND

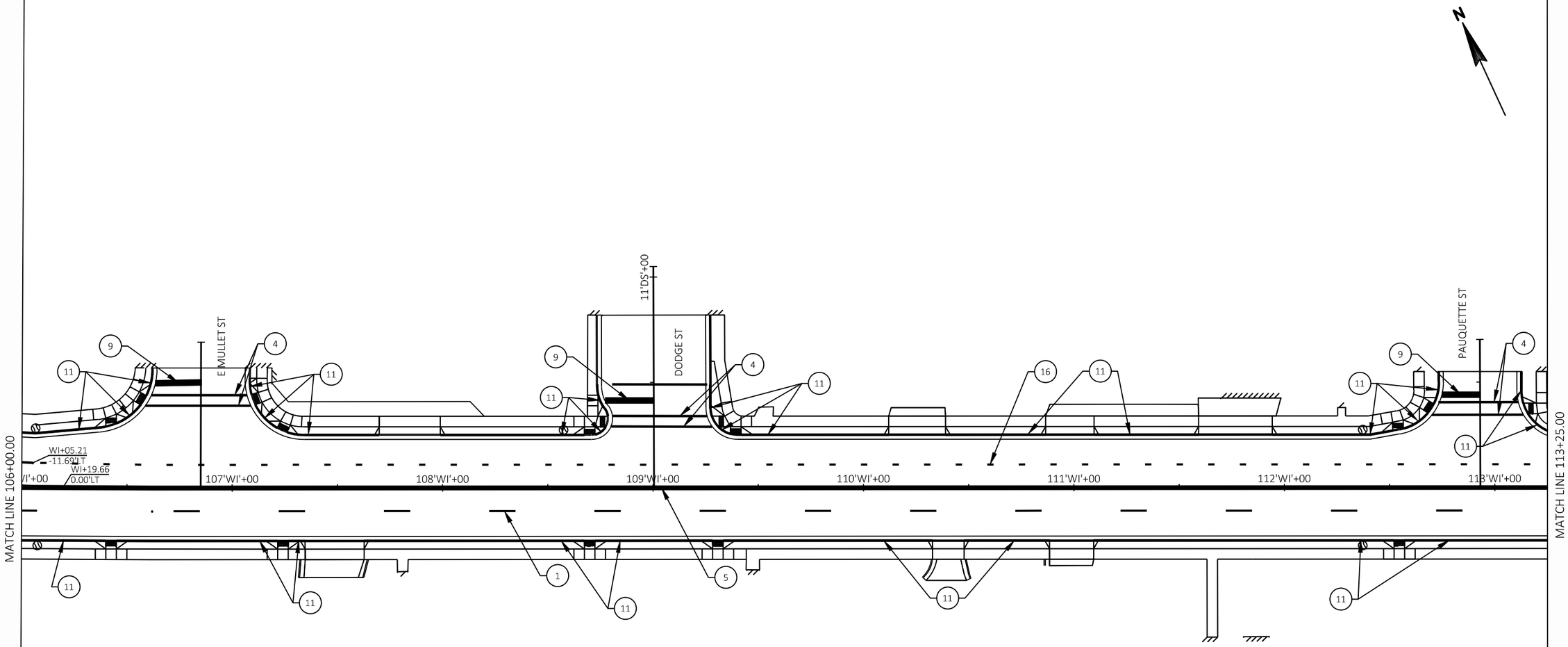
1. MARKING LINE EPOXY 4" (DASHED) (WHITE) (12.5 FT LINE, 37.5 FT GAP)
2. MARKING LINE EPOXY 8" (WHITE)
3. MARKING LINE EPOXY 4" (YELLOW)
4. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6" (WHITE)
5. MARKING LINE EPOXY 4" DOUBLE (YELLOW)
6. MARKING ARROWS EPOXY TYPE 2 (LEFT) (WHITE)
7. MARKING WORDS EPOXY (WHITE)
8. MARKING DIAGONAL EPOXY 12" (YELLOW)
9. MARKING STOP LINE EPOXY 18" (WHITE)
10. MARKING LINE EPOXY 4" (WHITE)
11. MARKING CURB EPOXY
12. MARKING ISLAND NOSE EPOXY
13. MARKING ARROW EPOXY TYPE 3 (RIGHT) (WHITE)
14. MARKING ARROW EPOXY TYPE 2 (RIGHT) (WHITE)
15. MARKING LINE EPOXY 4" (DOTTED) (WHITE) (3 FT LINE, 9 FT GAP)
16. MARKING LINE EPOXY 8" (DOTTED) (WHITE) (3 FT LINE, 9 FT GAP)
17. MARKING ARROW EPOXY TYPE 1 (WHITE)
18. MARKING PARKING STALL EPOXY (WHITE)
19. MARKING SYMBOL EPOXY HANDICAP (WHITE)

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PAVEMENT MARKING	SHEET 140	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024501_pm

PLOT DATE : 7/8/2020 11:31 AM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



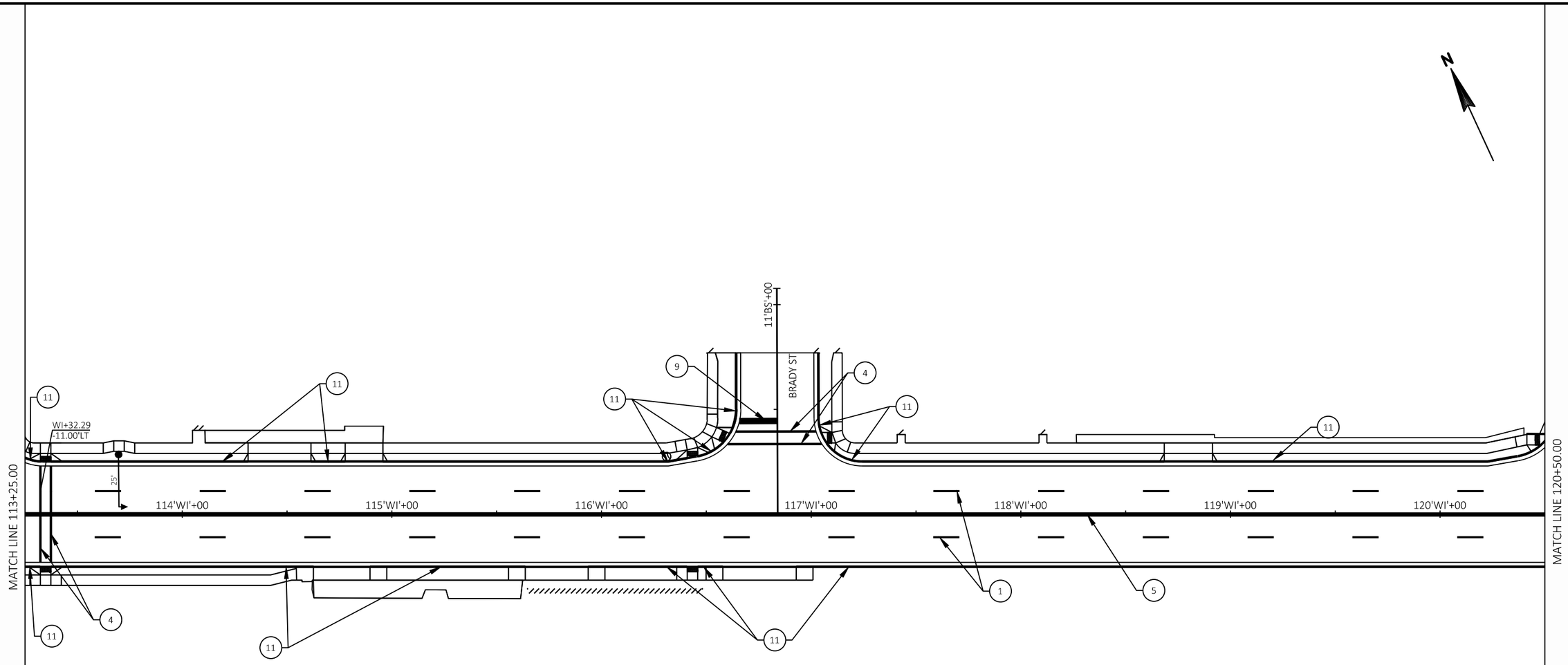
LEGEND

1. MARKING LINE EPOXY 4" (DASHED) (WHITE) (12.5 FT LINE, 37.5 FT GAP)
2. MARKING LINE EPOXY 8" (WHITE)
3. MARKING LINE EPOXY 4" (YELLOW)
4. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6" (WHITE)
5. MARKING LINE EPOXY 4" DOUBLE (YELLOW)
6. MARKING ARROWS EPOXY TYPE 2 (LEFT) (WHITE)
7. MARKING WORDS EPOXY (WHITE)
8. MARKING DIAGONAL EPOXY 12" (YELLOW)
9. MARKING STOP LINE EPOXY 18" (WHITE)
10. MARKING LINE EPOXY 4" (WHITE)
11. MARKING CURB EPOXY
12. MARKING ISLAND NOSE EPOXY
13. MARKING ARROW EPOXY TYPE 3 (RIGHT) (WHITE)
14. MARKING ARROW EPOXY TYPE 2 (RIGHT) (WHITE)
15. MARKING LINE EPOXY 4" (DOTTED) (WHITE) (3 FT LINE, 9 FT GAP)
16. MARKING LINE EPOXY 8" (DOTTED) (WHITE) (3 FT LINE, 9 FT GAP)
17. MARKING ARROW EPOXY TYPE 1 (WHITE)
18. MARKING PARKING STALL EPOXY (WHITE)
19. MARKING SYMBOL EPOXY HANDICAP (WHITE)

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PAVEMENT MARKING	SHEET 141	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024502_pm
PLOT DATE : 7/8/2020 11:35 AM
PLOT BY : KYLE A. WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2



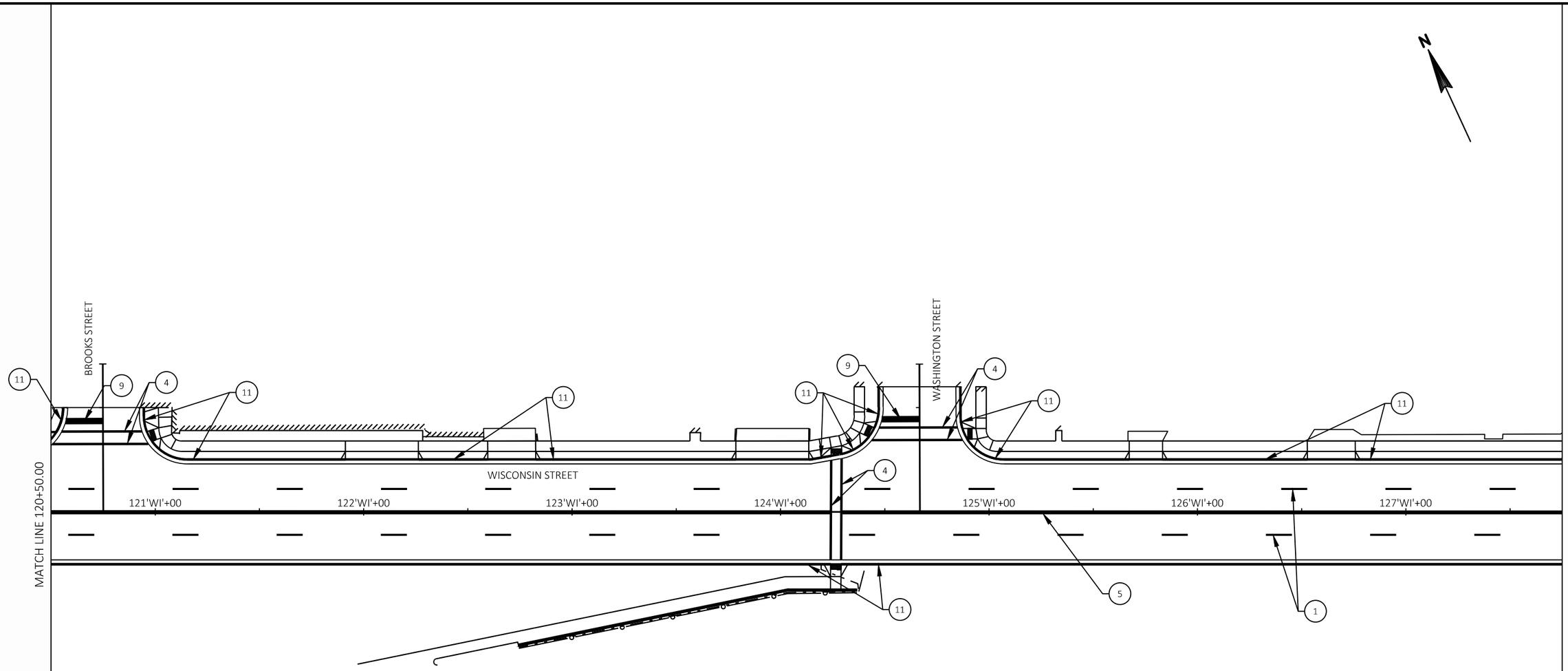
LEGEND

1. MARKING LINE EPOXY 4" (DASHED) (WHITE) (12.5 FT LINE, 37.5 FT GAP)
2. MARKING LINE EPOXY 8" (WHITE)
3. MARKING LINE EPOXY 4" (YELLOW)
4. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6" (WHITE)
5. MARKING LINE EPOXY 4" DOUBLE (YELLOW)
6. MARKING ARROWS EPOXY TYPE 2 (LEFT) (WHITE)
7. MARKING WORDS EPOXY (WHITE)
8. MARKING DIAGONAL EPOXY 12" (YELLOW)
9. MARKING STOP LINE EPOXY 18" (WHITE)
10. MARKING LINE EPOXY 4" (WHITE)
11. MARKING CURB EPOXY
12. MARKING ISLAND NOSE EPOXY
13. MARKING ARROW EPOXY TYPE 3 (RIGHT) (WHITE)
14. MARKING ARROW EPOXY TYPE 2 (RIGHT) (WHITE)
15. MARKING LINE EPOXY 4" (DOTTED) (WHITE) (3 FT LINE, 9 FT GAP)
16. MARKING LINE EPOXY 8" (DOTTED) (WHITE) (3 FT LINE, 9 FT GAP)
17. MARKING ARROW EPOXY TYPE 1 (WHITE)
18. MARKING PARKING STALL EPOXY (WHITE)
19. MARKING SYMBOL EPOXY HANDICAP (WHITE)

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PAVEMENT MARKING	SHEET 142	E

2

2



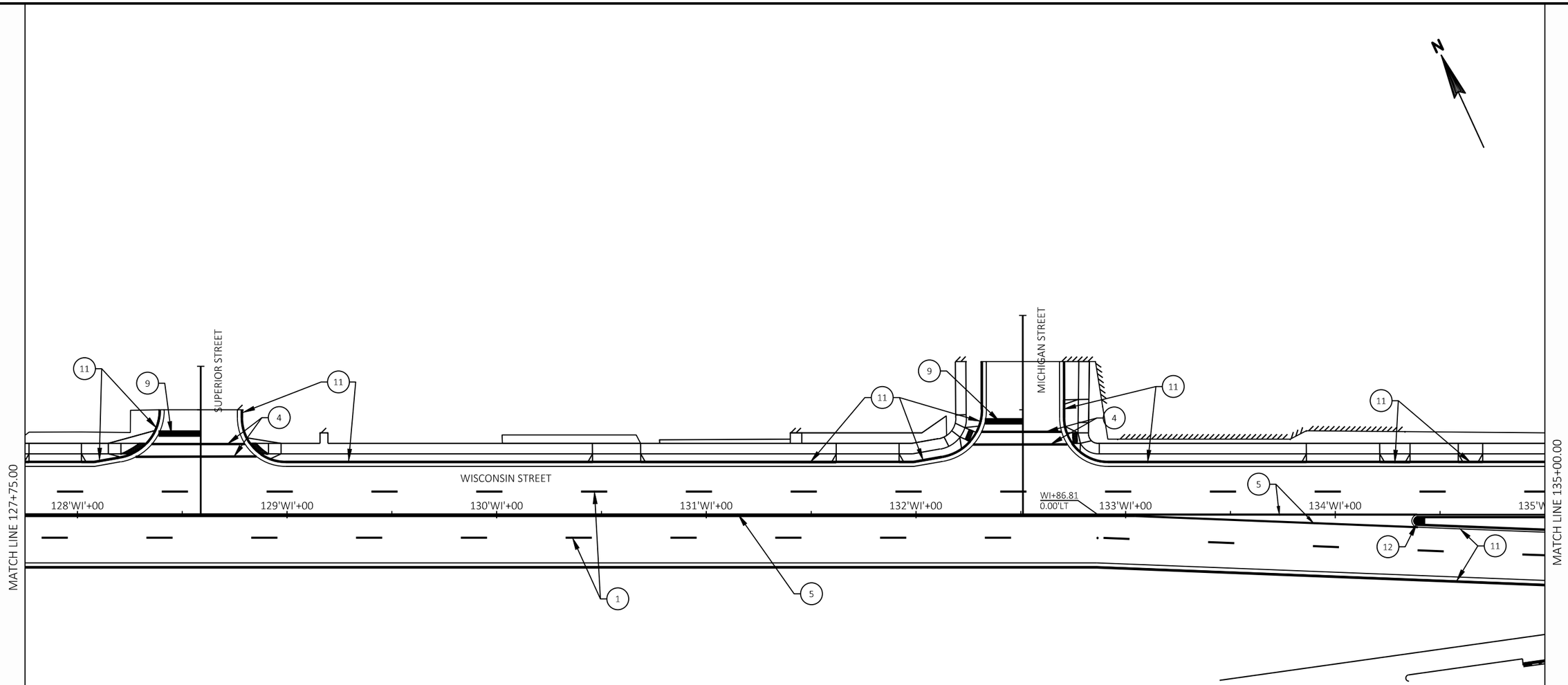
LEGEND

1. MARKING LINE EPOXY 4" (DASHED) (WHITE) (12.5 FT LINE, 37.5 FT GAP)
2. MARKING LINE EPOXY 8" (WHITE)
3. MARKING LINE EPOXY 4" (YELLOW)
4. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6" (WHITE)
5. MARKING LINE EPOXY 4" DOUBLE (YELLOW)
6. MARKING ARROWS EPOXY TYPE 2 (LEFT) (WHITE)
7. MARKING WORDS EPOXY (WHITE)
8. MARKING DIAGONAL EPOXY 12" (YELLOW)
9. MARKING STOP LINE EPOXY 18" (WHITE)
10. MARKING LINE EPOXY 4" (WHITE)
11. MARKING CURB EPOXY
12. MARKING ISLAND NOSE EPOXY
13. MARKING ARROW EPOXY TYPE 3 (RIGHT) (WHITE)
14. MARKING ARROW EPOXY TYPE 2 (RIGHT) (WHITE)
15. MARKING LINE EPOXY 4" (DOTTED) (WHITE) (3 FT LINE, 9 FT GAP)
16. MARKING LINE EPOXY 8" (DOTTED) (WHITE) (3 FT LINE, 9 FT GAP)
17. MARKING ARROW EPOXY TYPE 1 (WHITE)
18. MARKING PARKING STALL EPOXY (WHITE)
19. MARKING SYMBOL EPOXY HANDICAP (WHITE)

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PAVEMENT MARKING	SHEET 143	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024504_pm
PLOT DATE : 7/8/2020 11:36 AM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2



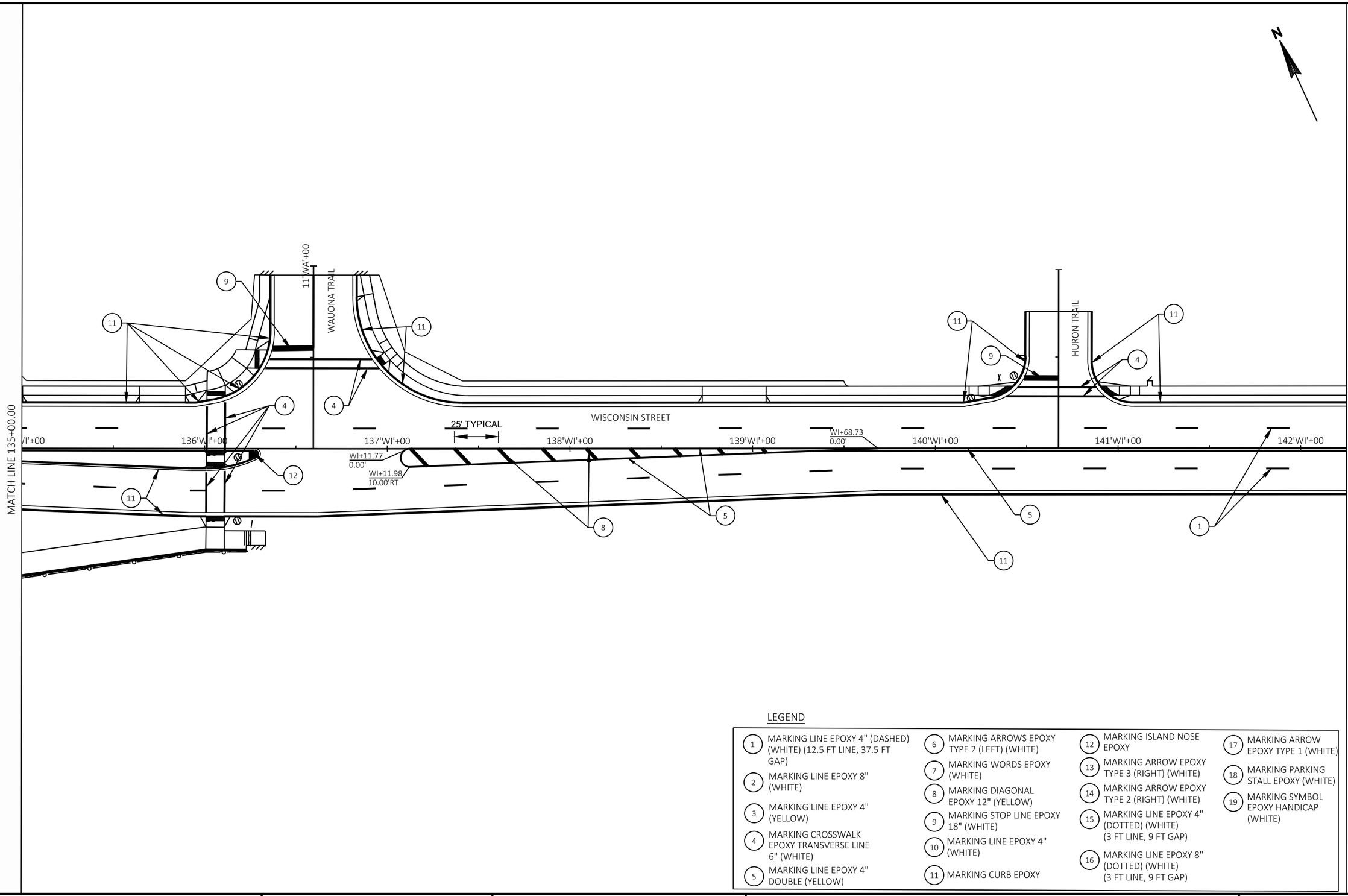
LEGEND

1. MARKING LINE EPOXY 4" (DASHED) (WHITE) (12.5 FT LINE, 37.5 FT GAP)
2. MARKING LINE EPOXY 8" (WHITE)
3. MARKING LINE EPOXY 4" (YELLOW)
4. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6" (WHITE)
5. MARKING LINE EPOXY 4" DOUBLE (YELLOW)
6. MARKING ARROWS EPOXY TYPE 2 (LEFT) (WHITE)
7. MARKING WORDS EPOXY (WHITE)
8. MARKING DIAGONAL EPOXY 12" (YELLOW)
9. MARKING STOP LINE EPOXY 18" (WHITE)
10. MARKING LINE EPOXY 4" (WHITE)
11. MARKING CURB EPOXY
12. MARKING ISLAND NOSE EPOXY
13. MARKING ARROW EPOXY TYPE 3 (RIGHT) (WHITE)
14. MARKING ARROW EPOXY TYPE 2 (RIGHT) (WHITE)
15. MARKING LINE EPOXY 4" (DOTTED) (WHITE) (3 FT LINE, 9 FT GAP)
16. MARKING LINE EPOXY 8" (DOTTED) (WHITE) (3 FT LINE, 9 FT GAP)
17. MARKING ARROW EPOXY TYPE 1 (WHITE)
18. MARKING PARKING STALL EPOXY (WHITE)
19. MARKING SYMBOL EPOXY HANDICAP (WHITE)

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PAVEMENT MARKING	SHEET 144	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024505_pm
PLOT DATE : 7/8/2020 11:37 AM PLOT BY : KYLE A. WILLIAMS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



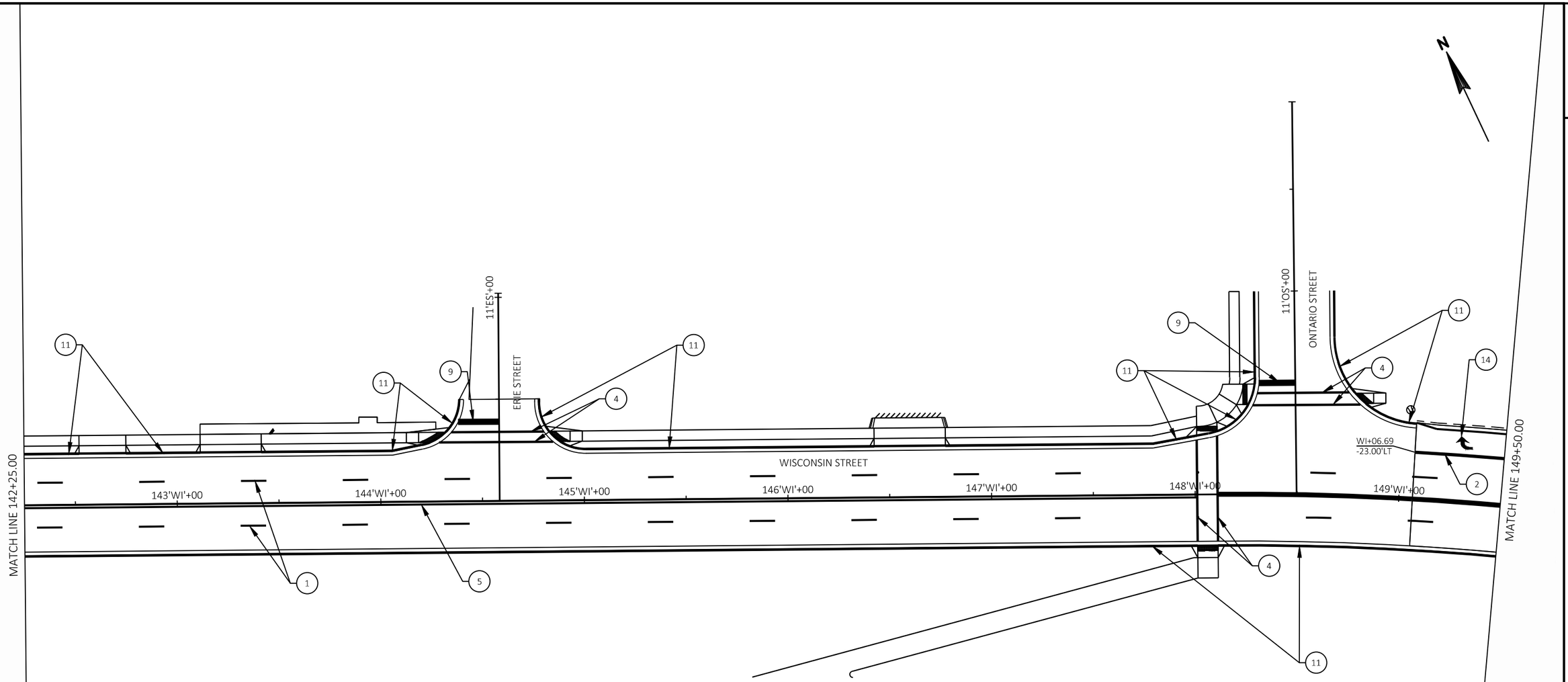
LEGEND

1. MARKING LINE EPOXY 4" (DASHED) (WHITE) (12.5 FT LINE, 37.5 FT GAP)
2. MARKING LINE EPOXY 8" (WHITE)
3. MARKING LINE EPOXY 4" (YELLOW)
4. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6" (WHITE)
5. MARKING LINE EPOXY 4" DOUBLE (YELLOW)
6. MARKING ARROWS EPOXY TYPE 2 (LEFT) (WHITE)
7. MARKING WORDS EPOXY (WHITE)
8. MARKING DIAGONAL EPOXY 12" (YELLOW)
9. MARKING STOP LINE EPOXY 18" (WHITE)
10. MARKING LINE EPOXY 4" (WHITE)
11. MARKING CURB EPOXY
12. MARKING ISLAND NOSE EPOXY
13. MARKING ARROW EPOXY TYPE 3 (RIGHT) (WHITE)
14. MARKING ARROW EPOXY TYPE 2 (RIGHT) (WHITE)
15. MARKING LINE EPOXY 4" (DOTTED) (WHITE) (3 FT LINE, 9 FT GAP)
16. MARKING LINE EPOXY 8" (DOTTED) (WHITE) (3 FT LINE, 9 FT GAP)
17. MARKING ARROW EPOXY TYPE 1 (WHITE)
18. MARKING PARKING STALL EPOXY (WHITE)
19. MARKING SYMBOL EPOXY HANDICAP (WHITE)

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PAVEMENT MARKING	SHEET 145	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024506_pm
PLOT DATE : 7/8/2020 11:37 AM
PLOT BY : KYLE A. WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2



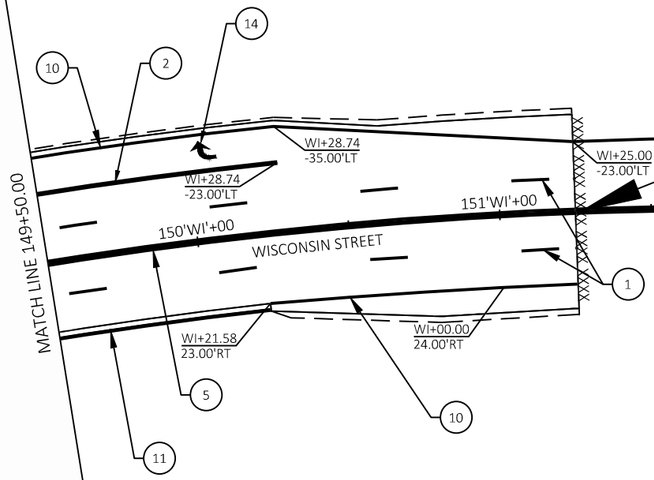
LEGEND

1. MARKING LINE EPOXY 4" (DASHED) (WHITE) (12.5 FT LINE, 37.5 FT GAP)
2. MARKING LINE EPOXY 8" (WHITE)
3. MARKING LINE EPOXY 4" (YELLOW)
4. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6" (WHITE)
5. MARKING LINE EPOXY 4" DOUBLE (YELLOW)
6. MARKING ARROWS EPOXY TYPE 2 (LEFT) (WHITE)
7. MARKING WORDS EPOXY (WHITE)
8. MARKING DIAGONAL EPOXY 12" (YELLOW)
9. MARKING STOP LINE EPOXY 18" (WHITE)
10. MARKING LINE EPOXY 4" (WHITE)
11. MARKING CURB EPOXY
12. MARKING ISLAND NOSE EPOXY
13. MARKING ARROW EPOXY TYPE 3 (RIGHT) (WHITE)
14. MARKING ARROW EPOXY TYPE 2 (RIGHT) (WHITE)
15. MARKING LINE EPOXY 4" (DOTTED) (WHITE) (3 FT LINE, 9 FT GAP)
16. MARKING LINE EPOXY 8" (DOTTED) (WHITE) (3 FT LINE, 9 FT GAP)
17. MARKING ARROW EPOXY TYPE 1 (WHITE)
18. MARKING PARKING STALL EPOXY (WHITE)
19. MARKING SYMBOL EPOXY HANDICAP (WHITE)

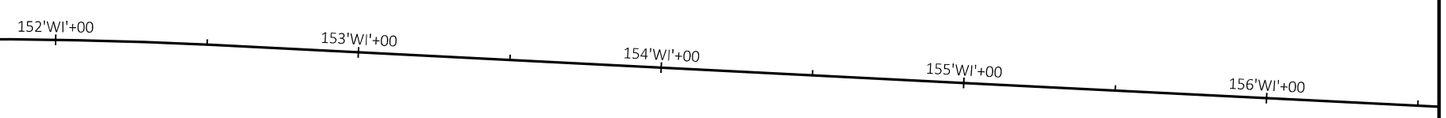
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PAVEMENT MARKING	SHEET 146	E

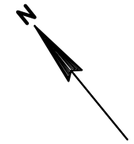
FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024507_pm
PLOT DATE : 7/8/2020 11:38 AM
PLOT BY : KYLE A. WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2









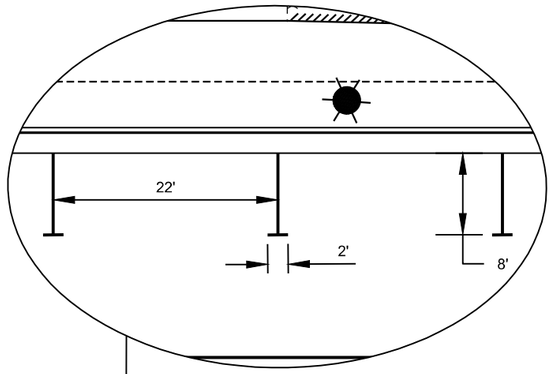
LEGEND

1 MARKING LINE EPOXY 4" (DASHED) (WHITE) (12.5 FT LINE, 37.5 FT GAP)	6 MARKING ARROWS EPOXY TYPE 2 (LEFT) (WHITE)	12 MARKING ISLAND NOSE EPOXY	17 MARKING ARROW EPOXY TYPE 1 (WHITE)
2 MARKING LINE EPOXY 8" (WHITE)	7 MARKING WORDS EPOXY (WHITE)	13 MARKING ARROW EPOXY TYPE 3 (RIGHT) (WHITE)	18 MARKING PARKING STALL EPOXY (WHITE)
3 MARKING LINE EPOXY 4" (YELLOW)	8 MARKING DIAGONAL EPOXY 12" (YELLOW)	14 MARKING ARROW EPOXY TYPE 2 (RIGHT) (WHITE)	19 MARKING SYMBOL EPOXY HANDICAP (WHITE)
4 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6" (WHITE)	9 MARKING STOP LINE EPOXY 18" (WHITE)	15 MARKING LINE EPOXY 4" (DOTTED) (WHITE) (3 FT LINE, 9 FT GAP)	
5 MARKING LINE EPOXY 4" DOUBLE (YELLOW)	10 MARKING LINE EPOXY 4" (WHITE)	16 MARKING LINE EPOXY 8" (DOTTED) (WHITE) (3 FT LINE, 9 FT GAP)	
	11 MARKING CURB EPOXY		

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PAVEMENT MARKING	SHEET 147	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024508_pm
PLOT DATE : 7/8/2020 11:38 AM
PLOT BY : KYLE A. WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2



MATCH LINE 540+00

DE+28.65
0.00'

DE+44.41
0.00'

DE+15.37
-7.35'LT

DE+85.30
4.04'RT

DE+13.04
-4.57'LT

DE+53.14
0.00'

DE+81.97
6.36'RT

DEWITT STREET

W COOK STREET

E COOK STREET

W CONANT STREET

E CONANT STREET

MATCH LINE 547+25.00

507'CS+00

508'CS+00

509'CS+00

510'CS+00

511'CS+00

12'CO'+00

13'CO'+00

14'CO'+00

15'CO'+00

540'DE'+00

541'DE'+00

543'DE'+00

544'DE'+00

545'DE'+00

546'DE'+00

547'DE'+00

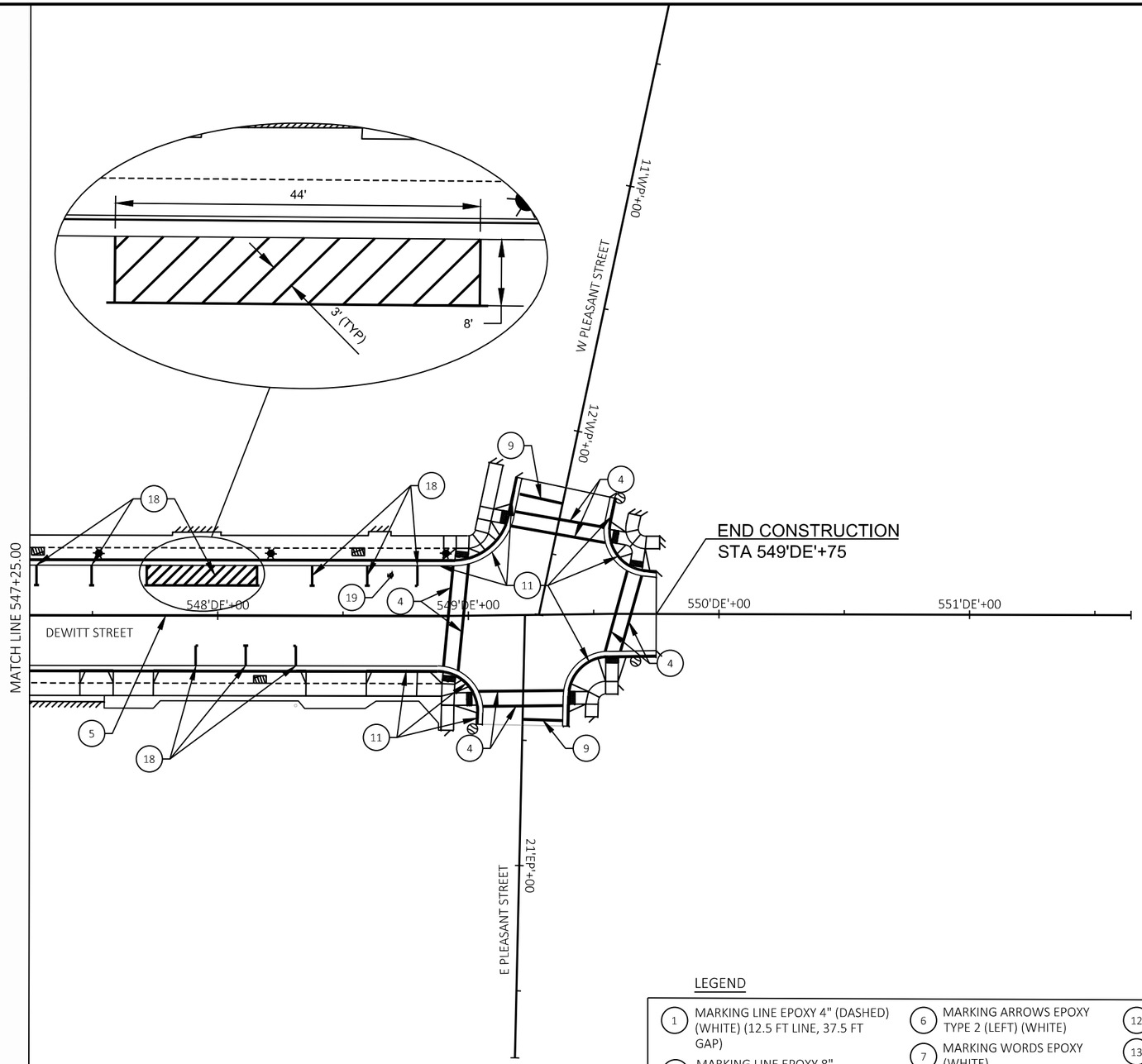
LEGEND

1. MARKING LINE EPOXY 4" (DASHED) (WHITE) (12.5 FT LINE, 37.5 FT GAP)
2. MARKING LINE EPOXY 8" (WHITE)
3. MARKING LINE EPOXY 4" (YELLOW)
4. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6" (WHITE)
5. MARKING LINE EPOXY 4" DOUBLE (YELLOW)
6. MARKING ARROWS EPOXY TYPE 2 (LEFT) (WHITE)
7. MARKING WORDS EPOXY (WHITE)
8. MARKING DIAGONAL EPOXY 12" (YELLOW)
9. MARKING STOP LINE EPOXY 18" (WHITE)
10. MARKING LINE EPOXY 4" (WHITE)
11. MARKING CURB EPOXY
12. MARKING ISLAND NOSE EPOXY
13. MARKING ARROW EPOXY TYPE 3 (RIGHT) (WHITE)
14. MARKING ARROW EPOXY TYPE 2 (RIGHT) (WHITE)
15. MARKING LINE EPOXY 4" (DOTTED) (WHITE) (3 FT LINE, 9 FT GAP)
16. MARKING LINE EPOXY 8" (DOTTED) (WHITE) (3 FT LINE, 9 FT GAP)
17. MARKING ARROW EPOXY TYPE 1 (WHITE)
18. MARKING PARKING STALL EPOXY (WHITE)
19. MARKING SYMBOL EPOXY HANDICAP (WHITE)

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PAVEMENT MARKING	SHEET 148	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024509_pm
PLOT DATE : 7/8/2020 11:39 AM
PLOT BY : KYLE A. WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2



LEGEND

1. MARKING LINE EPOXY 4" (DASHED) (WHITE) (12.5 FT LINE, 37.5 FT GAP)
2. MARKING LINE EPOXY 8" (WHITE)
3. MARKING LINE EPOXY 4" (YELLOW)
4. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6" (WHITE)
5. MARKING LINE EPOXY 4" DOUBLE (YELLOW)
6. MARKING ARROWS EPOXY TYPE 2 (LEFT) (WHITE)
7. MARKING WORDS EPOXY (WHITE)
8. MARKING DIAGONAL EPOXY 12" (YELLOW)
9. MARKING STOP LINE EPOXY 18" (WHITE)
10. MARKING LINE EPOXY 4" (WHITE)
11. MARKING CURB EPOXY
12. MARKING ISLAND NOSE EPOXY
13. MARKING ARROW EPOXY TYPE 3 (RIGHT) (WHITE)
14. MARKING ARROW EPOXY TYPE 2 (RIGHT) (WHITE)
15. MARKING LINE EPOXY 4" (DOTTED) (WHITE) (3 FT LINE, 9 FT GAP)
16. MARKING LINE EPOXY 8" (DOTTED) (WHITE) (3 FT LINE, 9 FT GAP)
17. MARKING ARROW EPOXY TYPE 1 (WHITE)
18. MARKING PARKING STALL EPOXY (WHITE)
19. MARKING SYMBOL EPOXY HANDICAP (WHITE)

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PAVEMENT MARKING	SHEET 149	E

FILE NAME : X:\PROJECTS\COLUMBIA\6918-01-02 USH 51\DESIGN\C3D\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024510_pm
PLOT DATE : 7/8/2020 11:39 AM
PLOT BY : KYLE A. WILLIAMS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

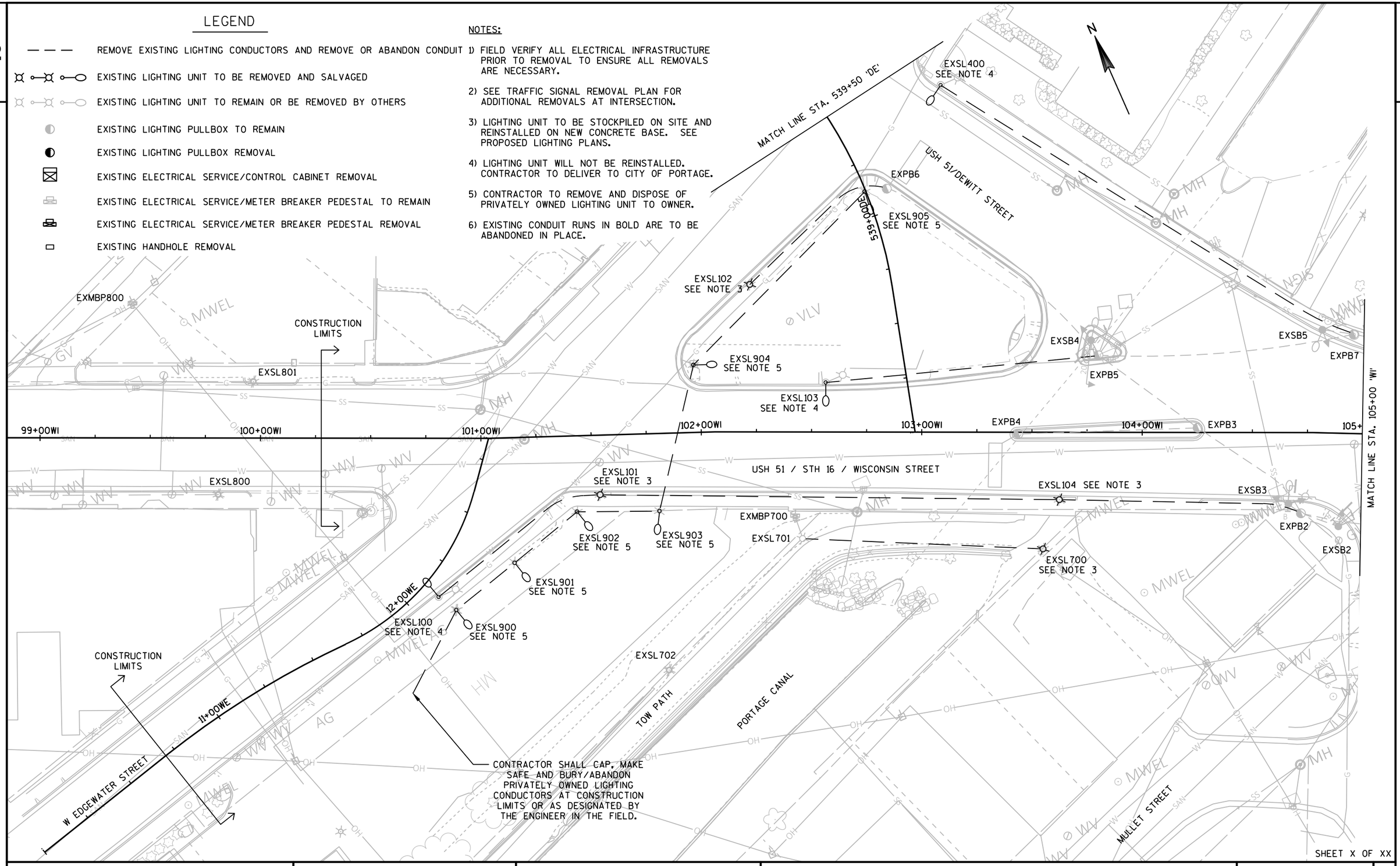
2

LEGEND

- REMOVE EXISTING LIGHTING CONDUCTORS AND REMOVE OR ABANDON CONDUIT
- EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED
- EXISTING LIGHTING UNIT TO REMAIN OR BE REMOVED BY OTHERS
- EXISTING LIGHTING PULLBOX TO REMAIN
- EXISTING LIGHTING PULLBOX REMOVAL
- EXISTING ELECTRICAL SERVICE/CONTROL CABINET REMOVAL
- EXISTING ELECTRICAL SERVICE/METER BREAKER PEDESTAL TO REMAIN
- EXISTING ELECTRICAL SERVICE/METER BREAKER PEDESTAL REMOVAL
- EXISTING HANDHOLE REMOVAL

NOTES:

1) FIELD VERIFY ALL ELECTRICAL INFRASTRUCTURE PRIOR TO REMOVAL TO ENSURE ALL REMOVALS ARE NECESSARY.
2) SEE TRAFFIC SIGNAL REMOVAL PLAN FOR ADDITIONAL REMOVALS AT INTERSECTION.
3) LIGHTING UNIT TO BE STOCKPILED ON SITE AND REINSTALLED ON NEW CONCRETE BASE. SEE PROPOSED LIGHTING PLANS.
4) LIGHTING UNIT WILL NOT BE REINSTALLED. CONTRACTOR TO DELIVER TO CITY OF PORTAGE.
5) CONTRACTOR TO REMOVE AND DISPOSE OF PRIVATELY OWNED LIGHTING UNIT TO OWNER.
6) EXISTING CONDUIT RUNS IN BOLD ARE TO BE ABANDONED IN PLACE.



SHEET X OF XX

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	LIGHTING REMOVAL PLANS	SHEET 150	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\023401-LR.DWG
LAYOUT NAME - 021201

PLOT DATE : 7/17/2020 1:29 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

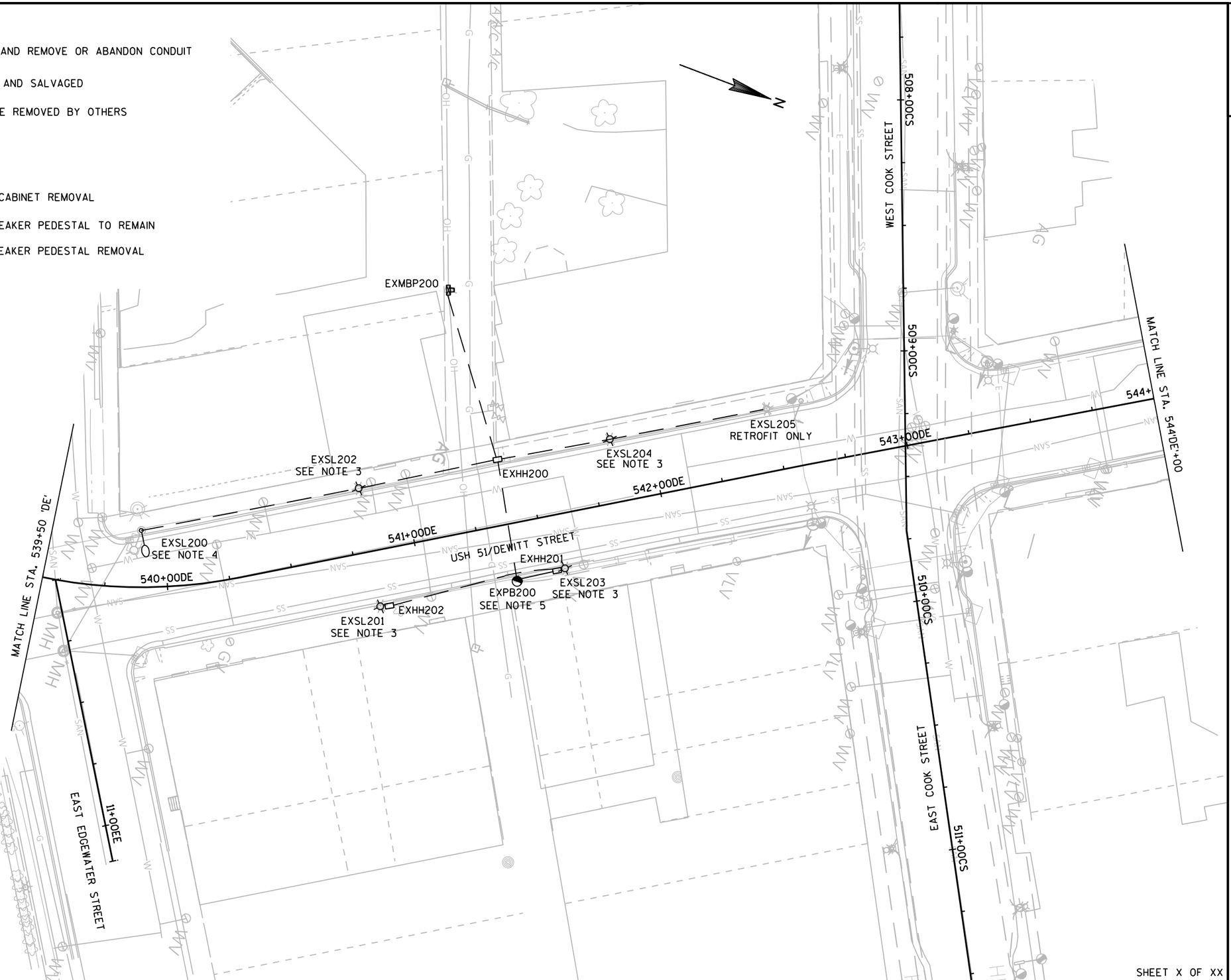
2

LEGEND

- REMOVE EXISTING LIGHTING CONDUCTORS AND REMOVE OR ABANDON CONDUIT
- EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED
- EXISTING LIGHTING UNIT TO REMAIN OR BE REMOVED BY OTHERS
- EXISTING LIGHTING PULLBOX TO REMAIN
- EXISTING LIGHTING PULLBOX REMOVAL
- EXISTING ELECTRICAL SERVICE/CONTROL CABINET REMOVAL
- EXISTING ELECTRICAL SERVICE/METER BREAKER PEDESTAL TO REMAIN
- EXISTING ELECTRICAL SERVICE/METER BREAKER PEDESTAL REMOVAL
- EXISTING HANDHOLE REMOVAL

NOTES:

1) FIELD VERIFY ALL ELECTRICAL INFRASTRUCTURE PRIOR TO REMOVAL TO ENSURE ALL REMOVALS ARE NECESSARY.
2) SEE TRAFFIC SIGNAL REMOVAL PLAN FOR ADDITIONAL REMOVALS AT INTERSECTION.
3) LIGHTING UNIT TO BE STOCKPILED ON SITE AND REINSTALLED ON NEW CONCRETE BASE. SEE PROPOSED LIGHTING PLANS.
4) LIGHTING UNIT WILL NOT BE REINSTALLED. CONTRACTOR TO DELIVER TO CITY OF PORTAGE.
5) ADJUST PULL BOX AS NECESSARY TO ENSURE SIGNAL LOOP DETECTORS MAY BE RE-ESTABLISHED WITH EXISTING SIGNAL.
6) EXISTING CONDUIT RUNS IN BOLD ARE TO BE ABANDONED IN PLACE.



SHEET X OF XX

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	LIGHTING REMOVAL PLANS	SHEET 151 E

LEGEND

- REMOVE EXISTING LIGHTING CONDUCTORS AND REMOVE OR ABANDON CONDUIT
- EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED
- EXISTING LIGHTING UNIT TO REMAIN OR BE REMOVED BY OTHERS
- EXISTING LIGHTING PULLBOX TO REMAIN
- EXISTING LIGHTING PULLBOX REMOVAL
- EXISTING ELECTRICAL SERVICE/CONTROL CABINET REMOVAL
- EXISTING ELECTRICAL SERVICE/METER BREAKER PEDESTAL TO REMAIN
- EXISTING ELECTRICAL SERVICE/METER BREAKER PEDESTAL REMOVAL
- EXISTING HANDHOLE REMOVAL

NOTES:

1) FIELD VERIFY ALL ELECTRICAL INFRASTRUCTURE PRIOR TO REMOVAL TO ENSURE ALL REMOVALS ARE NECESSARY.
2) SEE TRAFFIC SIGNAL REMOVAL PLAN FOR ADDITIONAL REMOVALS AT INTERSECTION.
3) LIGHTING UNIT TO BE STOCKPILED ON SITE AND REINSTALLED ON NEW CONCRETE BASE. SEE PROPOSED LIGHTING PLANS.
4) LIGHTING UNIT WILL NOT BE REINSTALLED. CONTRACTOR TO DELIVER TO CITY OF PORTAGE.
5) EXISTING CONDUIT RUNS IN BOLD ARE TO BE ABANDONED IN PLACE.

EXSL106
EXSL107
EXSL301 SEE NOTE 3
EXPB301
EXSL303 SEE NOTE 3
EXPB302
EXHH300
EXSL305 SEE NOTE 4
EXSL307 SEE NOTE 4
EXPB300
EXSL300 SEE NOTE 3
EXMBP300
EXSL302 SEE NOTE 3
EXSL304 SEE NOTE 4
EXSL306 SEE NOTE 4
WEST CONANT STREET
WEST PLEASANT STREET
EAST CONANT STREET
EAST PLEASANT STREET
USH 51/DEWITT STREET
MATCH LINE STA. 544+00 'DE'
545+00DE
546+00DE
547+00DE
548+00DE
549+00DE
550+00DE
12+00CO
13+00CO
14+00CO
15+00CO
11+00WP
12+00WP
21+00EP
CONSTRUCTION LIMITS
N

SHEET 4 OF XX

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	LIGHTING REMOVAL PLANS	SHEET 152 E

2

2

N

E MULLET STREET

DODGE STREET

11+00DS

EXPB8

EXSB6

EXHH400

EXSL401
SEE NOTE 4

EXMBP400

EXSL403
SEE NOTE 4

EXPB9

106+00WI

107+00WI

108+00WI

109+00WI

110+00WI

EXPB10

USH 51 / STH 16 / WISCONSIN STREET

EXPB100

EXSL105
SEE NOTE 4

EXSL402
SEE NOTE 4

MATCH LINE STA. 105+00 'WI'

MATCH LINE STA. 111+00 'WI'

11+00WR

EXSB1

EXSB7

EXPB1

WARREN STREET

EXCB100
SEE SIGNAL PLANS
FOR CABINET REMOVAL

LEGEND

- REMOVE EXISTING LIGHTING CONDUCTORS AND REMOVE OR ABANDON CONDUIT
- EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED
- EXISTING LIGHTING UNIT TO REMAIN OR BE REMOVED BY OTHERS
- EXISTING LIGHTING PULLBOX TO REMAIN
- EXISTING LIGHTING PULLBOX REMOVAL
- EXISTING ELECTRICAL SERVICE/CONTROL CABINET REMOVAL
- EXISTING ELECTRICAL SERVICE/METER BREAKER PEDESTAL TO REMAIN
- EXISTING ELECTRICAL SERVICE/METER BREAKER PEDESTAL REMOVAL
- EXISTING HANDHOLE REMOVAL

NOTES:

1) FIELD VERIFY ALL ELECTRICAL INFRASTRUCTURE PRIOR TO REMOVAL TO ENSURE ALL REMOVALS ARE NECESSARY.

2) SEE TRAFFIC SIGNAL REMOVAL PLAN FOR ADDITIONAL REMOVALS AT INTERSECTION.

3) LIGHTING UNIT TO BE STOCKPILED ON SITE AND REINSTALLED ON NEW CONCRETE BASE. SEE PROPOSED LIGHTING PLANS.

4) LIGHTING UNIT WILL NOT BE REINSTALLED. CONTRACTOR TO DELIVER TO CITY OF PORTAGE.

5) EXISTING CONDUIT RUNS IN BOLD ARE TO BE ABANDONED IN PLACE.

SHEET X OF XX

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	LIGHTING REMOVAL PLANS	SHEET 153	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\023401-LR.DWG
LAYOUT NAME - 021201 (1)

PLOT DATE : 7/17/2020 1:29 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

- REMOVE EXISTING LIGHTING CONDUCTORS AND REMOVE OR ABANDON CONDUIT
- EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED
- EXISTING LIGHTING UNIT TO REMAIN OR BE REMOVED BY OTHERS
- EXISTING LIGHTING PULLBOX TO REMAIN
- EXISTING LIGHTING PULLBOX REMOVAL
- EXISTING ELECTRICAL SERVICE/CONTROL CABINET REMOVAL
- EXISTING ELECTRICAL SERVICE/METER BREAKER PEDESTAL TO REMAIN
- EXISTING ELECTRICAL SERVICE/METER BREAKER PEDESTAL REMOVAL
- EXISTING HANDHOLE REMOVAL

PAUQUETTE STREET

BRADY STREET

11+00BS

EXSL405
SEE NOTE 4

EXSL407
SEE NOTE 4

EXSL404
SEE NOTE 4

EXSL406
SEE NOTE 4

EXSL408
SEE NOTE 4

USH 51 / STH 16 / WISCONSIN STREET

MATCH LINE STA. 111+00 'WI'

MATCH LINE STA. 117+00 'WI'

111+00WI | 112+00WI | 113+00WI | 114+00WI | 115+00WI | 116+00WI | 117+

NOTES:

1) FIELD VERIFY ALL ELECTRICAL INFRASTRUCTURE PRIOR TO REMOVAL TO ENSURE ALL REMOVALS ARE NECESSARY.

2) SEE TRAFFIC SIGNAL REMOVAL PLAN FOR ADDITIONAL REMOVALS AT INTERSECTION.

3) LIGHTING UNIT TO BE STOCKPILED ON SITE AND REINSTALLED ON NEW CONCRETE BASE. SEE PROPOSED LIGHTING PLANS.

4) LIGHTING UNIT WILL NOT BE REINSTALLED. CONTRACTOR TO DELIVER TO CITY OF PORTAGE.

5) EXISTING CONDUIT RUNS IN BOLD ARE TO BE ABANDONED IN PLACE.

SHEET X OF XX

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	LIGHTING REMOVAL PLANS	SHEET 154	E

2

NOTES:

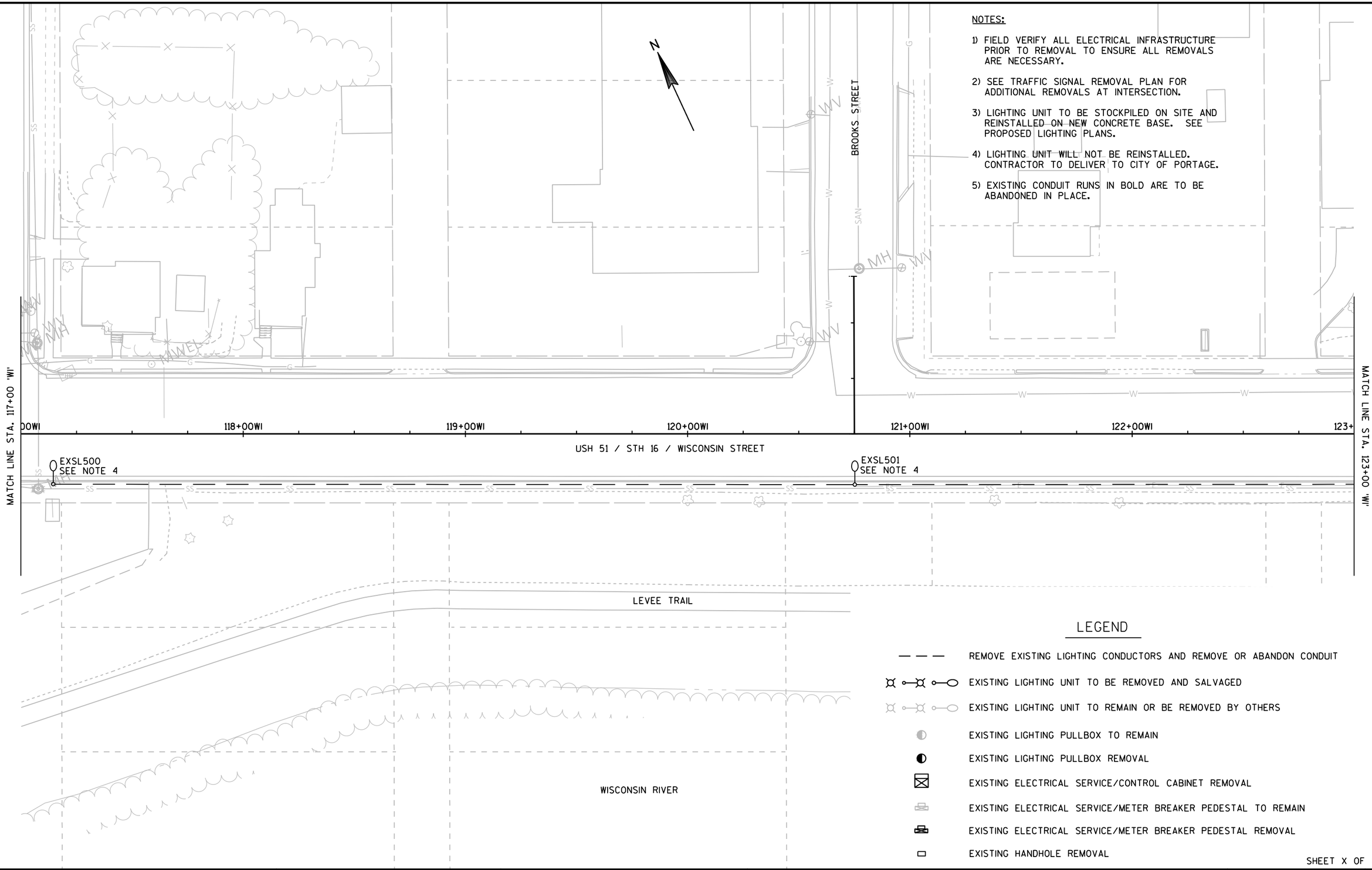
1) FIELD VERIFY ALL ELECTRICAL INFRASTRUCTURE PRIOR TO REMOVAL TO ENSURE ALL REMOVALS ARE NECESSARY.

2) SEE TRAFFIC SIGNAL REMOVAL PLAN FOR ADDITIONAL REMOVALS AT INTERSECTION.

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4) LIGHTING UNIT WILL NOT BE REINSTALLED. CONTRACTOR TO DELIVER TO CITY OF PORTAGE.

5) EXISTING CONDUIT RUNS IN BOLD ARE TO BE ABANDONED IN PLACE.



LEGEND

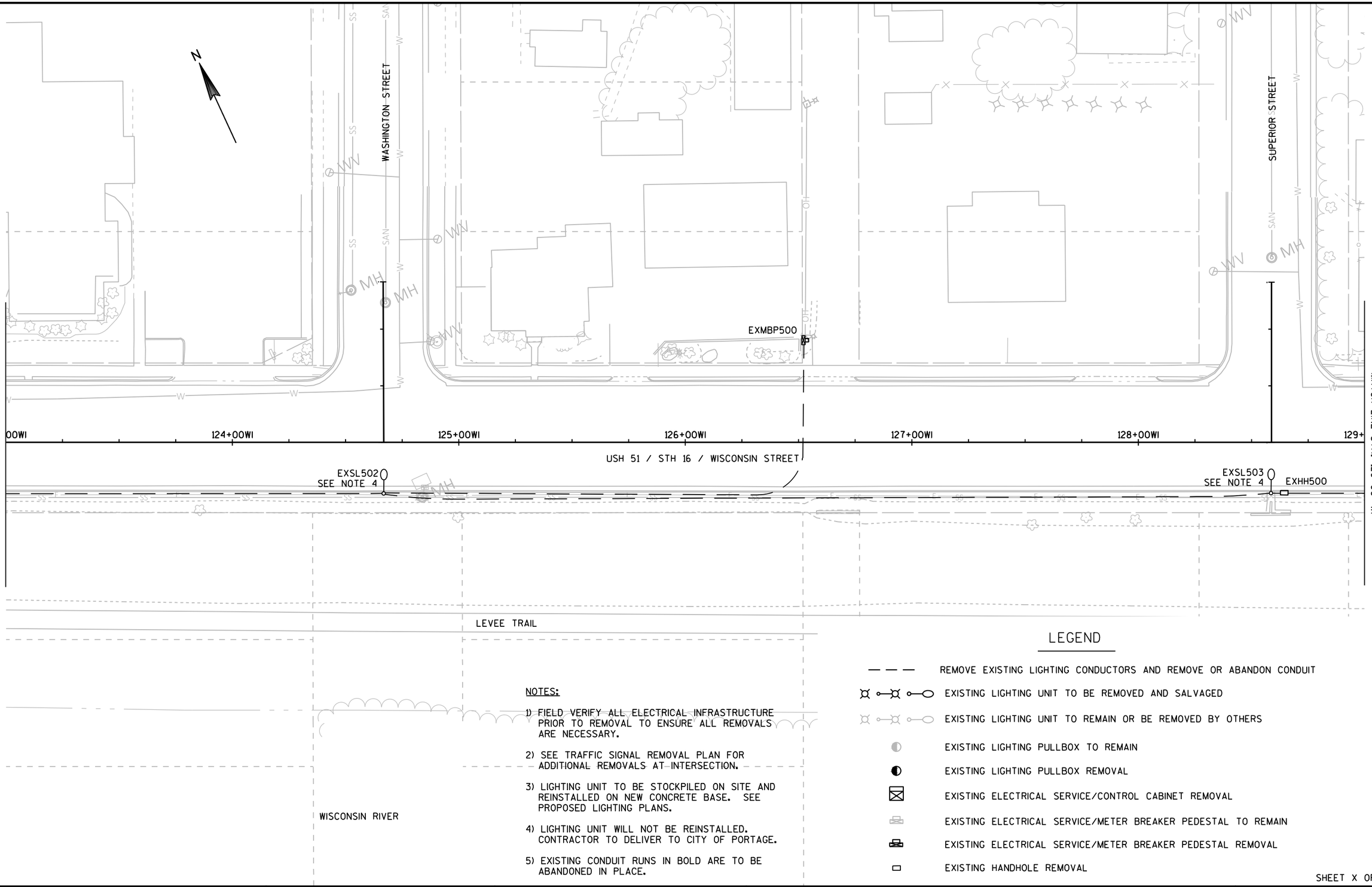
- REMOVE EXISTING LIGHTING CONDUCTORS AND REMOVE OR ABANDON CONDUIT
- EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED
- EXISTING LIGHTING UNIT TO REMAIN OR BE REMOVED BY OTHERS
- EXISTING LIGHTING PULLBOX TO REMAIN
- EXISTING LIGHTING PULLBOX REMOVAL
- EXISTING ELECTRICAL SERVICE/CONTROL CABINET REMOVAL
- EXISTING ELECTRICAL SERVICE/METER BREAKER PEDESTAL TO REMAIN
- EXISTING ELECTRICAL SERVICE/METER BREAKER PEDESTAL REMOVAL
- EXISTING HANDHOLE REMOVAL

SHEET X OF XX

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	LIGHTING REMOVAL PLANS	SHEET 155	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\023401-LR.DWG
LAYOUT NAME - 021201 (3)
PLOT DATE : 7/17/2020 1:29 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2



NOTES:

1) FIELD VERIFY ALL ELECTRICAL INFRASTRUCTURE PRIOR TO REMOVAL TO ENSURE ALL REMOVALS ARE NECESSARY.

2) SEE TRAFFIC SIGNAL REMOVAL PLAN FOR ADDITIONAL REMOVALS AT INTERSECTION.

3) LIGHTING UNIT TO BE STOCKPILED ON SITE AND REINSTALLED ON NEW CONCRETE BASE. SEE PROPOSED LIGHTING PLANS.

4) LIGHTING UNIT WILL NOT BE REINSTALLED. CONTRACTOR TO DELIVER TO CITY OF PORTAGE.

5) EXISTING CONDUIT RUNS IN BOLD ARE TO BE ABANDONED IN PLACE.

LEGEND

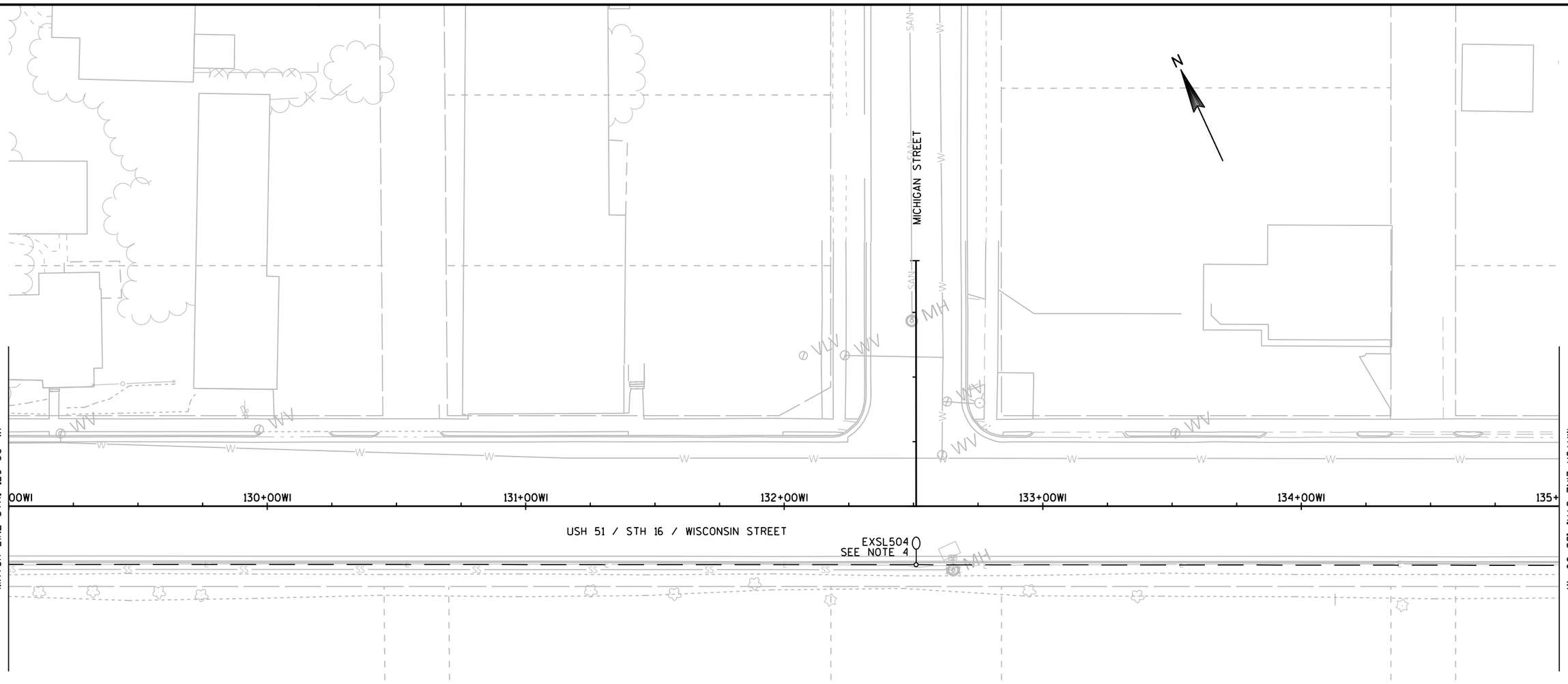
- REMOVE EXISTING LIGHTING CONDUCTORS AND REMOVE OR ABANDON CONDUIT
- EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED
- EXISTING LIGHTING UNIT TO REMAIN OR BE REMOVED BY OTHERS
- EXISTING LIGHTING PULLBOX TO REMAIN
- EXISTING LIGHTING PULLBOX REMOVAL
- EXISTING ELECTRICAL SERVICE/CONTROL CABINET REMOVAL
- EXISTING ELECTRICAL SERVICE/METER BREAKER PEDESTAL TO REMAIN
- EXISTING ELECTRICAL SERVICE/METER BREAKER PEDESTAL REMOVAL
- EXISTING HANDHOLE REMOVAL

SHEET X OF XX

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	LIGHTING REMOVAL PLANS	SHEET 156	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\023401-LR.DWG
LAYOUT NAME - 021201 (4)
PLOT DATE : 7/17/2020 1:29 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2



LEGEND

- REMOVE EXISTING LIGHTING CONDUCTORS AND REMOVE OR ABANDON CONDUIT
- EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED
- EXISTING LIGHTING UNIT TO REMAIN OR BE REMOVED BY OTHERS
- EXISTING LIGHTING PULLBOX TO REMAIN
- EXISTING LIGHTING PULLBOX REMOVAL
- EXISTING ELECTRICAL SERVICE/CONTROL CABINET REMOVAL
- EXISTING ELECTRICAL SERVICE/METER BREAKER PEDESTAL TO REMAIN
- EXISTING ELECTRICAL SERVICE/METER BREAKER PEDESTAL REMOVAL
- EXISTING HANDHOLE REMOVAL

NOTES:

1) FIELD VERIFY ALL ELECTRICAL INFRASTRUCTURE PRIOR TO REMOVAL TO ENSURE ALL REMOVALS ARE NECESSARY.
2) SEE TRAFFIC SIGNAL REMOVAL PLAN FOR ADDITIONAL REMOVALS AT INTERSECTION.
3) LIGHTING UNIT TO BE STOCKPILED ON SITE AND REINSTALLED ON NEW CONCRETE BASE. SEE PROPOSED LIGHTING PLANS.
4) LIGHTING UNIT WILL NOT BE REINSTALLED. CONTRACTOR TO DELIVER TO CITY OF PORTAGE.
5) EXISTING CONDUIT RUNS IN BOLD ARE TO BE ABANDONED IN PLACE.

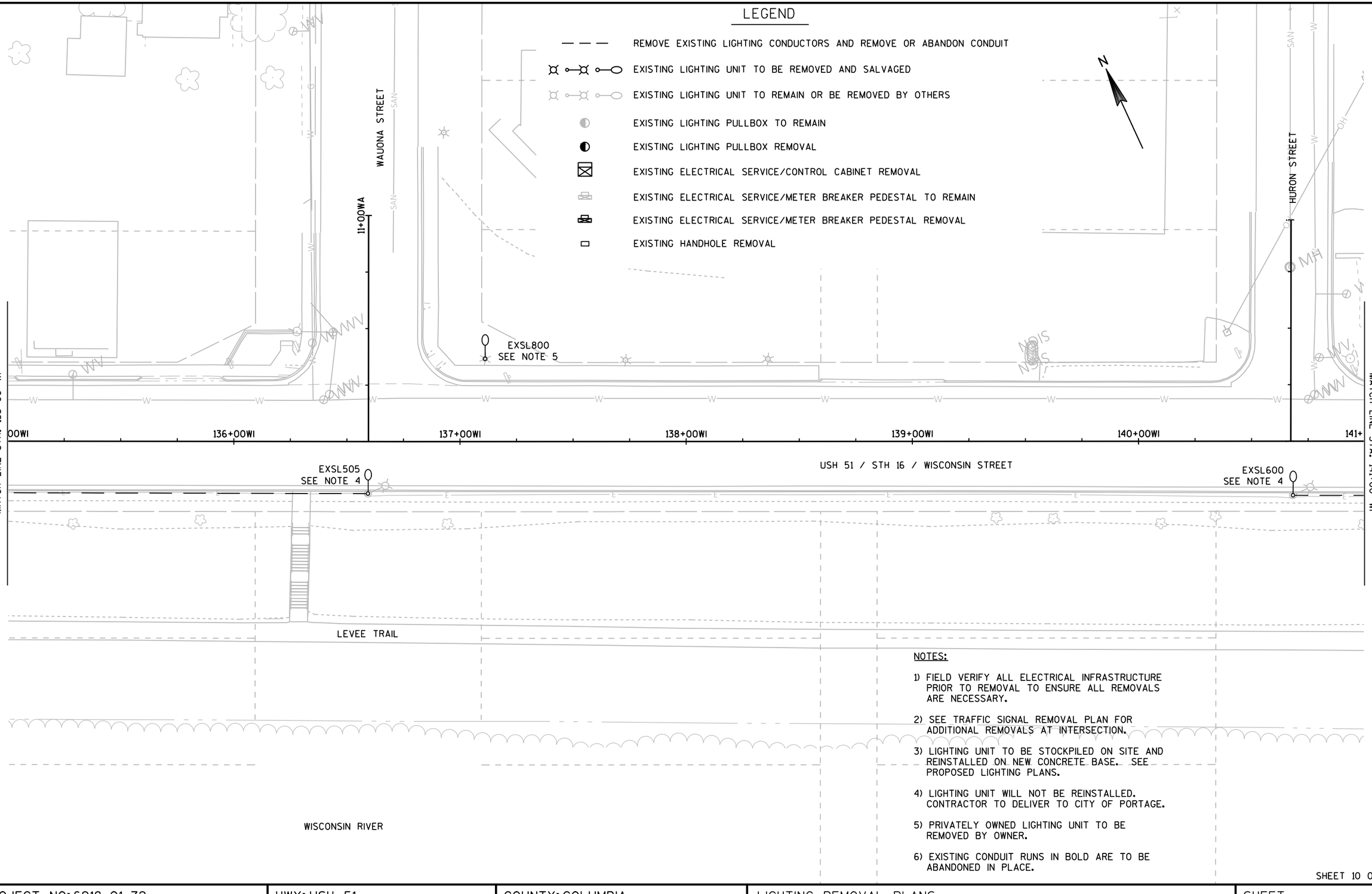
SHEET X OF XX

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	LIGHTING REMOVAL PLANS	SHEET 157	E

2

LEGEND

- REMOVE EXISTING LIGHTING CONDUCTORS AND REMOVE OR ABANDON CONDUIT
- EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED
- EXISTING LIGHTING UNIT TO REMAIN OR BE REMOVED BY OTHERS
- EXISTING LIGHTING PULLBOX TO REMAIN
- EXISTING LIGHTING PULLBOX REMOVAL
- EXISTING ELECTRICAL SERVICE/CONTROL CABINET REMOVAL
- EXISTING ELECTRICAL SERVICE/METER BREAKER PEDESTAL TO REMAIN
- EXISTING ELECTRICAL SERVICE/METER BREAKER PEDESTAL REMOVAL
- EXISTING HANDHOLE REMOVAL



NOTES:

1) FIELD VERIFY ALL ELECTRICAL INFRASTRUCTURE PRIOR TO REMOVAL TO ENSURE ALL REMOVALS ARE NECESSARY.

2) SEE TRAFFIC SIGNAL REMOVAL PLAN FOR ADDITIONAL REMOVALS AT INTERSECTION.

3) LIGHTING UNIT TO BE STOCKPILED ON SITE AND REINSTALLED ON NEW CONCRETE BASE. SEE PROPOSED LIGHTING PLANS.

4) LIGHTING UNIT WILL NOT BE REINSTALLED. CONTRACTOR TO DELIVER TO CITY OF PORTAGE.

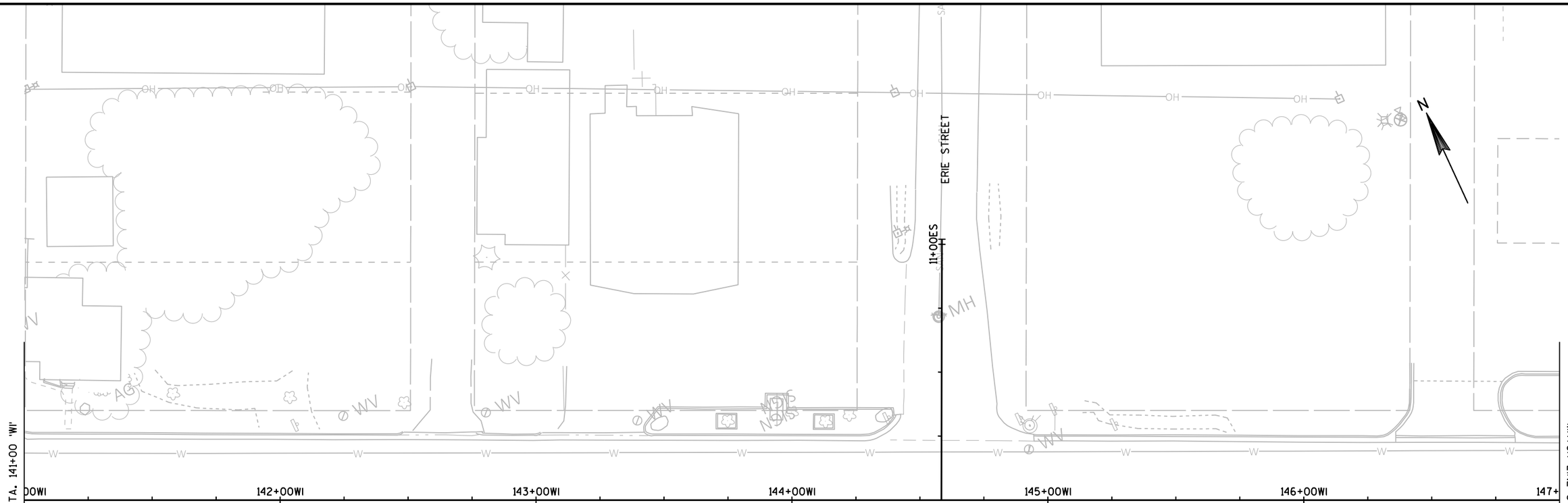
5) PRIVATELY OWNED LIGHTING UNIT TO BE REMOVED BY OWNER.

6) EXISTING CONDUIT RUNS IN BOLD ARE TO BE ABANDONED IN PLACE.

SHEET 10 OF XX

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	LIGHTING REMOVAL PLANS	SHEET 158	E

2



LEGEND

- REMOVE EXISTING LIGHTING CONDUCTORS AND REMOVE OR ABANDON CONDUIT
- EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED
- EXISTING LIGHTING UNIT TO REMAIN OR BE REMOVED BY OTHERS
- EXISTING LIGHTING PULLBOX TO REMAIN
- EXISTING LIGHTING PULLBOX REMOVAL
- EXISTING ELECTRICAL SERVICE/CONTROL CABINET REMOVAL
- EXISTING ELECTRICAL SERVICE/METER BREAKER PEDESTAL TO REMAIN
- EXISTING ELECTRICAL SERVICE/METER BREAKER PEDESTAL REMOVAL
- EXISTING HANDHOLE REMOVAL

NOTES:

1) FIELD VERIFY ALL ELECTRICAL INFRASTRUCTURE PRIOR TO REMOVAL TO ENSURE ALL REMOVALS ARE NECESSARY.
2) SEE TRAFFIC SIGNAL REMOVAL PLAN FOR ADDITIONAL REMOVALS AT INTERSECTION.
3) LIGHTING UNIT TO BE STOCKPILED ON SITE AND REINSTALLED ON NEW CONCRETE BASE. SEE PROPOSED LIGHTING PLANS.
4) LIGHTING UNIT WILL NOT BE REINSTALLED. CONTRACTOR TO DELIVER TO CITY OF PORTAGE.
5) EXISTING CONDUIT RUNS IN BOLD ARE TO BE ABANDONED IN PLACE.

SHEET X OF XX

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	LIGHTING REMOVAL PLANS	SHEET 159	E

NOTES:

1) FIELD VERIFY ALL ELECTRICAL INFRASTRUCTURE PRIOR TO REMOVAL TO ENSURE ALL REMOVALS ARE NECESSARY.

2) SEE TRAFFIC SIGNAL REMOVAL PLAN FOR ADDITIONAL REMOVALS AT INTERSECTION.

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5) EXISTING CONDUIT RUNS IN BOLD ARE TO BE ABANDONED IN PLACE.

LEGEND

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- EXISTING ELECTRICAL SERVICE/METER BREAKER PEDESTAL TO REMAIN
- EXISTING ELECTRICAL SERVICE/METER BREAKER PEDESTAL REMOVAL
- EXISTING HANDHOLE REMOVAL

ONTARIO STREET

S000+11

148+00WI

149+00WI

150+00WI

151+00WI

152+00WI

153+00WI

USH 51 / STH 16 / WISCONSIN STREET

MATCH LINE STA. 147+00 'WI'

EXMBP600

CONSTRUCTION LIMITS

LEVEE TRAIL

WISCONSIN RIVER

SHEET X OF XX

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	LIGHTING REMOVAL PLANS	SHEET 160 E

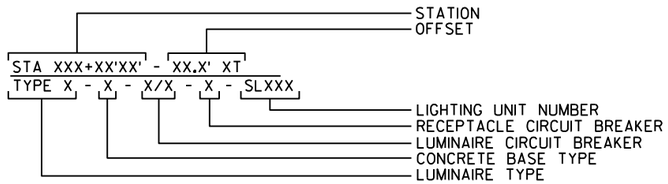
FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\023401-LR.DWG
LAYOUT NAME - 021201 (8)

PLOT DATE : 7/17/2020 1:29 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

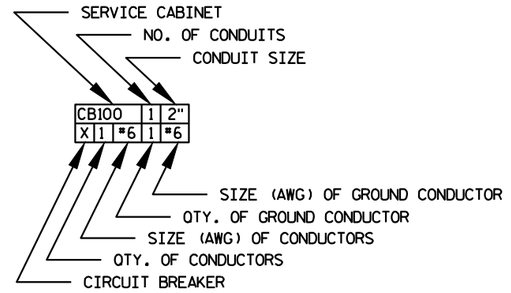
2

LIGHTING PLAN LEGEND:

- DECORATIVE TYPE A LIGHTING UNIT
- RETROFIT TYPE A LUMINAIRE ON EXISTING TRAFFIC SIGNAL EQUIPMENT
- EXISTING TYPE A LIGHTING UNIT
- LIGHTING UNIT ON PROPOSED TRAFFIC SIGNAL EQUIPMENT (SEE SIGNAL PLANS)
- DECORATIVE TYPE B LIGHTING UNIT
- RETROFIT EXISTING TYPE B LIGHTING UNIT
- EXISTING TYPE B LIGHTING UNIT
- DECORATIVE TYPE C LIGHTING UNIT
- ELECTRICAL SERVICE
- METER BREAKER PEDESTAL SPECIAL
- PULL BOX NON-CONDUCTIVE (24"X42")
- LIGHTING CONDUIT



CONDUIT/CONDUCTOR LEGEND



PWO = PULL WIRE ONLY

NEU = NEUTRAL

GENERAL STREET LIGHTING NOTES:

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

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

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

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

GENERAL NOTES (APPLIES TO THIS CONSTRUCTION DETAIL)

THE EXACT LOCATION OF THE ELECTRICAL METER SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. ADJUST ALL LOCATIONS AROUND SITE CONDITIONS INCLUDING TOPOGRAPHY AND UTILITIES.

CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE THE ELECTRICAL SERVICE LATERAL WILL APPROACH.

CONTRACTOR MUST PROVIDE UTILITY APPROVED METER SOCKET AND INSTALL PER UTILITY AND MANUFACTURER'S REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE TYPE, SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

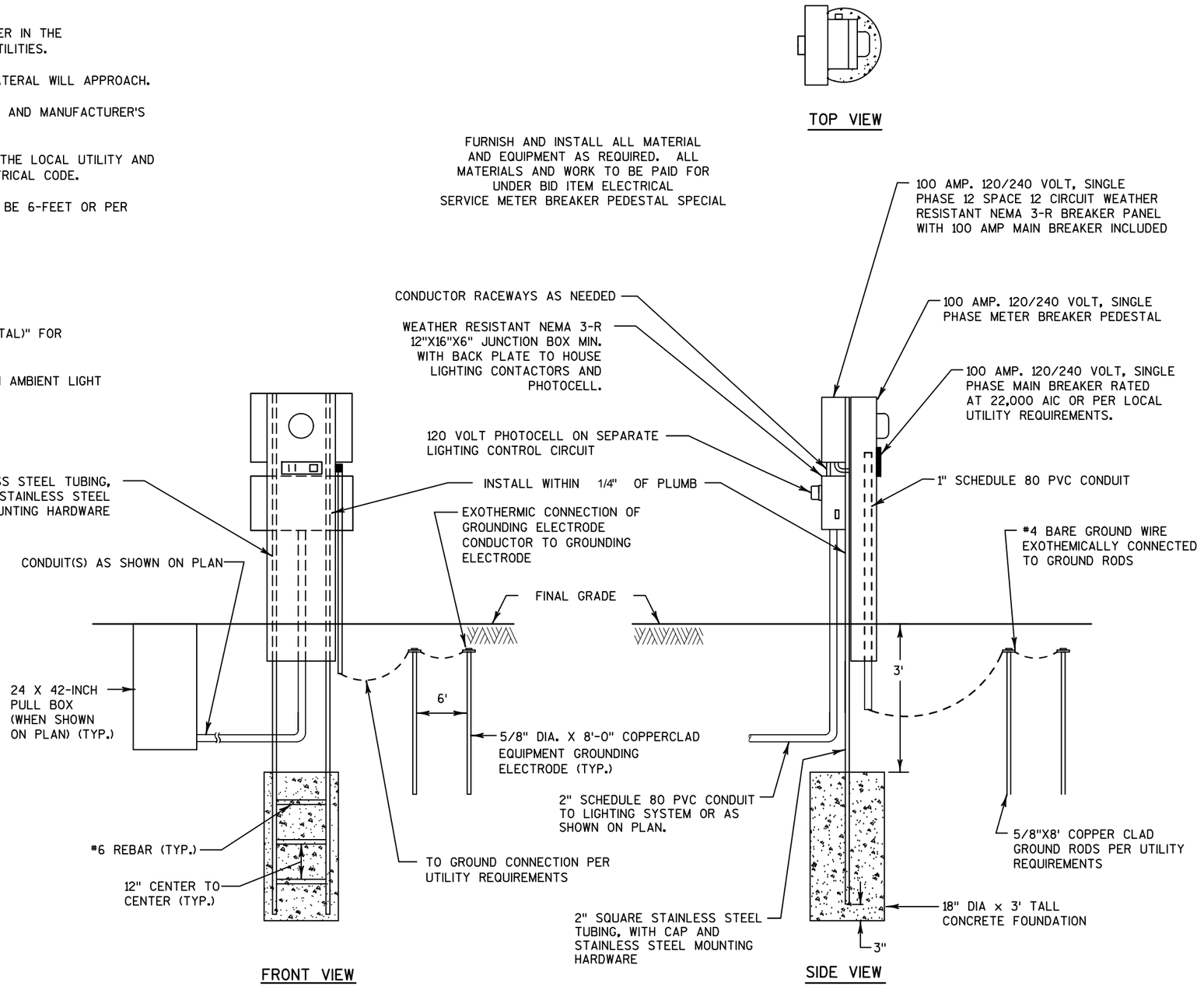
IF MORE THAN TWO GROUNDING ELECTRODES ARE REQUIRED, THE DISTANCE APART SHALL BE 6-FEET OR PER LOCAL UTILITY REGULATIONS.

ALL MOUNTING CHANNEL AND HARDWARE SHALL BE STAINLESS STEEL.

THE LOCATION AND ARRANGEMENT OF ALL EQUIPMENT SHOWN IS APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD.

SEE STANDARD DETAIL DRAWING "CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)" FOR ADDITIONAL INFORMATION NOT SHOWN ON THIS DETAIL.

PROVIDE FOR PHOTOCELL OPERATION ON THE PEDESTAL. ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS.



ELECTRICAL SERVICE METER BREAKER PEDESTAL SPECIAL

NOT TO SCALE

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - LIGHTING PLANS	SHEET 162	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\021002-CD_METER PEDESTAL.DWG PLOT DATE : 7/1/2020 12:41 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

GENERAL NOTES (APPLIES TO THIS CONSTRUCTION DETAIL)

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

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE-WIRED BY THE CABINET FABRICATOR.

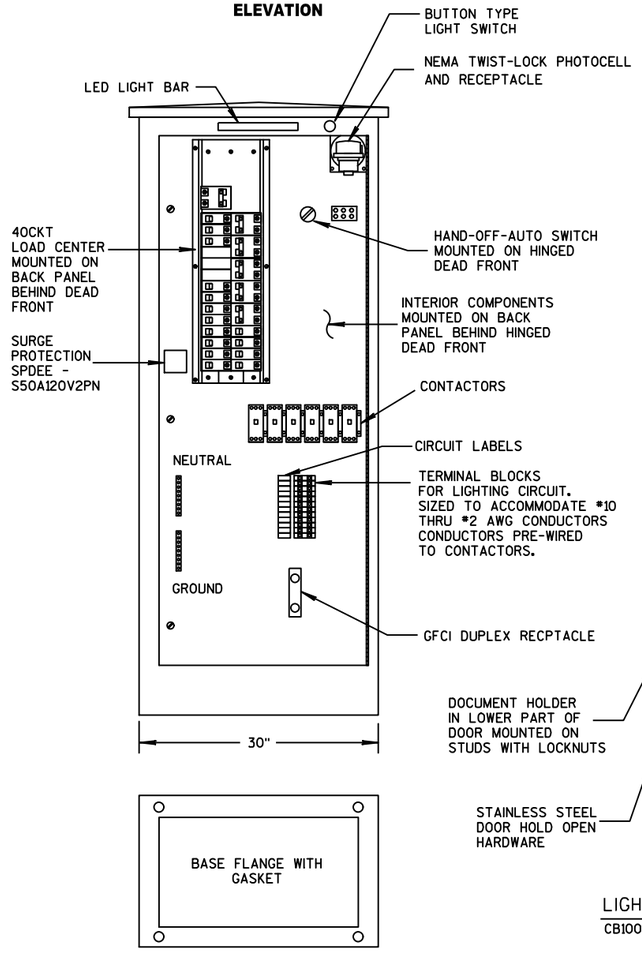
ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS.

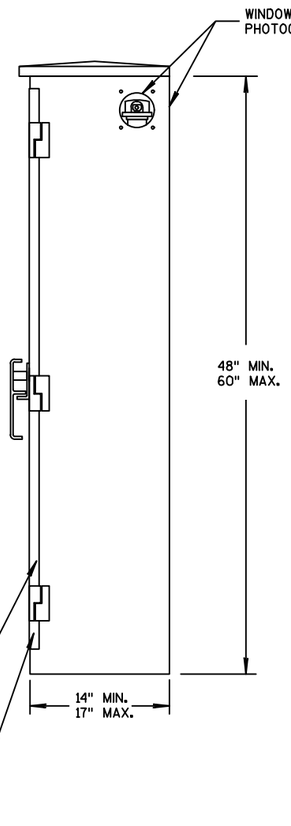
A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

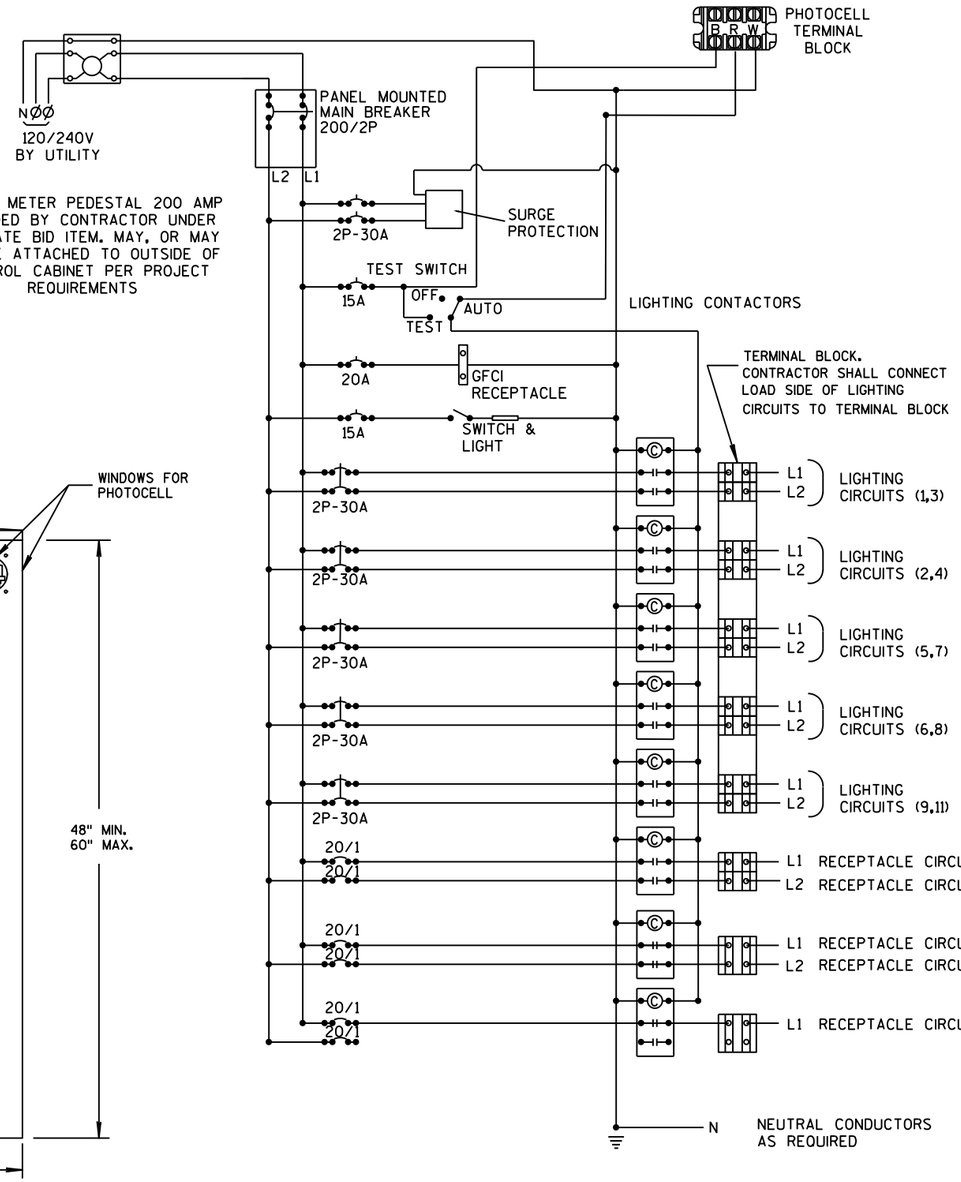
NOTE: THE QUANTITY OF CIRCUIT BREAKERS, LIGHTING CONTACTORS, RECEPTACLE CONTACTORS NEEDED FOR THE PROJECT ARE ACCURATELY SHOWN ON THE LINE DIAGRAM.

FRONT INTERIOR ELEVATION



SIDE VIEW



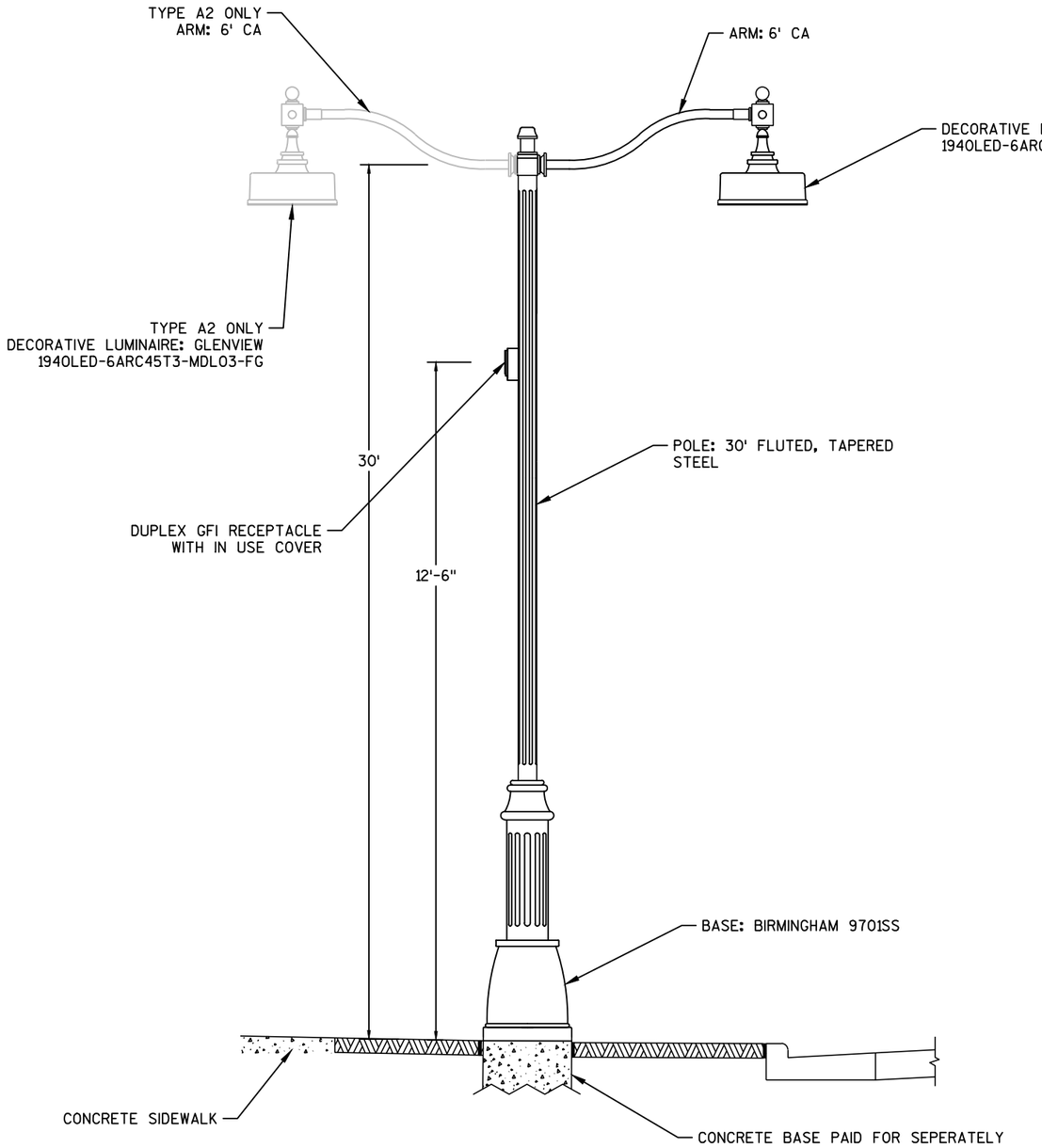


LIGHTING CONTROL CABINET - SCHEMATICS

CB100

CONTROL PANEL NOTES:

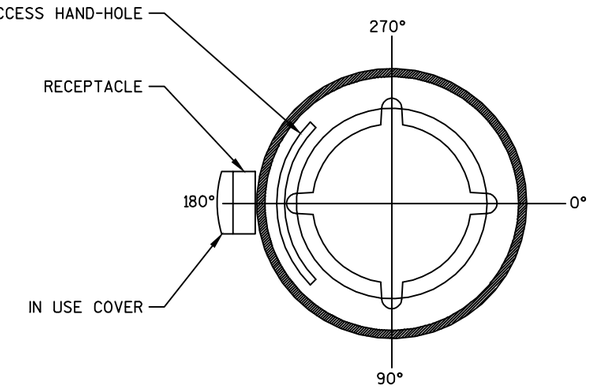
ALL CONTROL PANEL COMPONENTS AND INSTALLATIONS AS SHOWN ABOVE AND AS FOLLOWS SHALL BE APPROVED BY THE ENGINEER IN THE FIELD AND THE CITY OF PORTAGE



DECORATIVE STREET LIGHT TYPE A1/A2 DETAIL

NOT TO SCALE

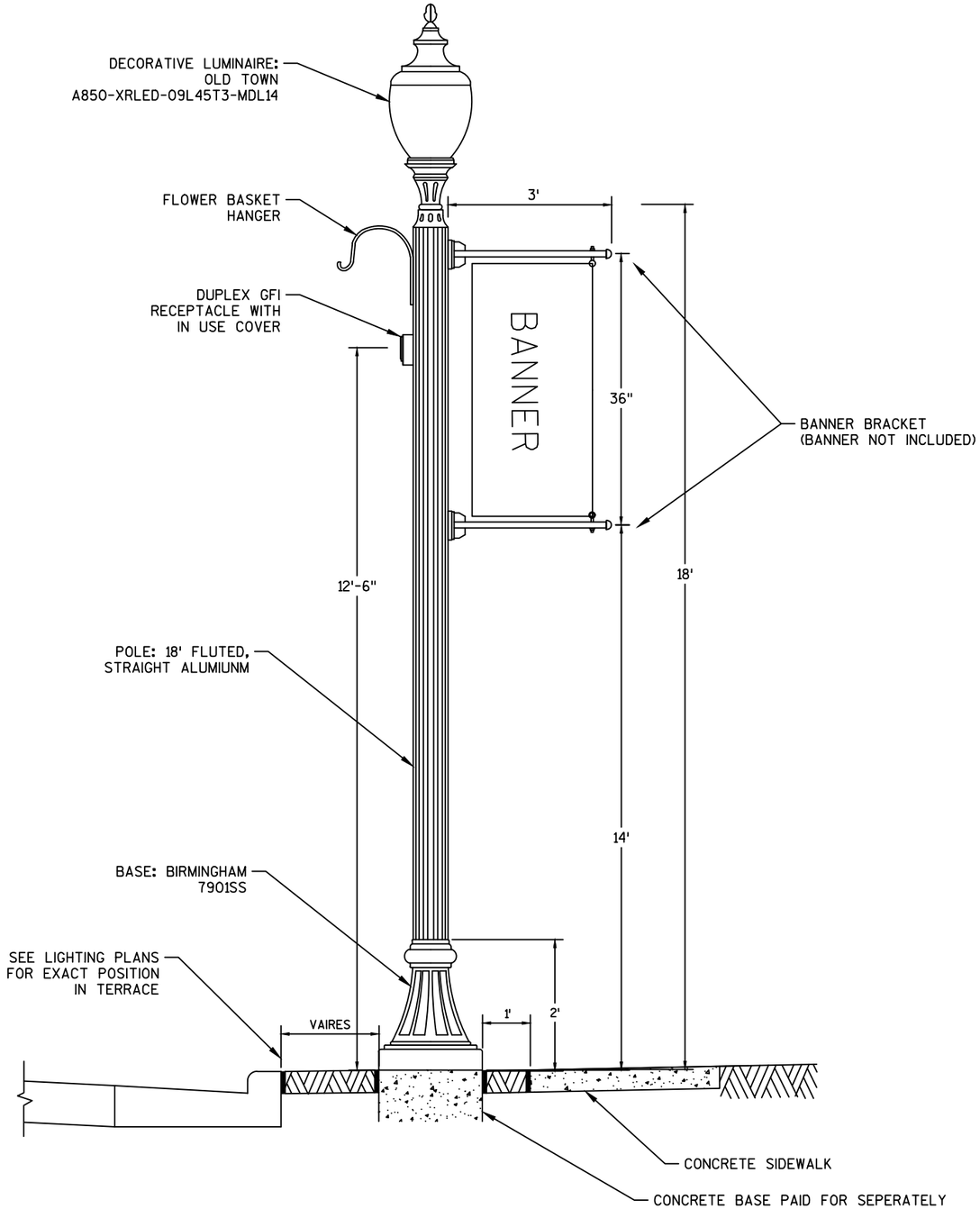
NOTE:
FINAL LOCATION AND SIZE OF RECEPTACLE, FLAG POLE BRACKET AND BANNER BRACKETS TO BE DETERMINED BY THE CITY OF PORTAGE OR ENGINEER IN THE FIELD.



OVERHEAD VIEW

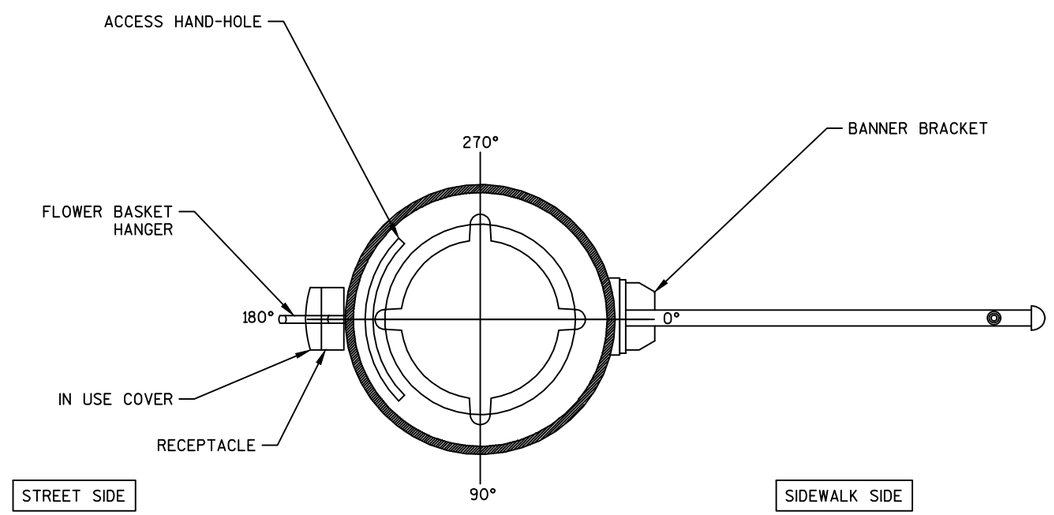
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - LIGHTING PLANS	SHEET 164 E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\021001-CD.DWG
LAYOUT NAME - TYPE A
PLOT DATE : 7/16/2020 9:58 AM PLOT BY : ANDREW LOBDELL PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42



DECORATIVE STREET LIGHT TYPE B DETAIL
NOT TO SCALE

NOTE:
FINAL LOCATION AND SIZE OF RECEPTACLE, FLAG POLE BRACKET AND BANNER BRACKETS TO BE DETERMINED BY THE CITY OF PORTAGE OR ENGINEER IN THE FIELD.



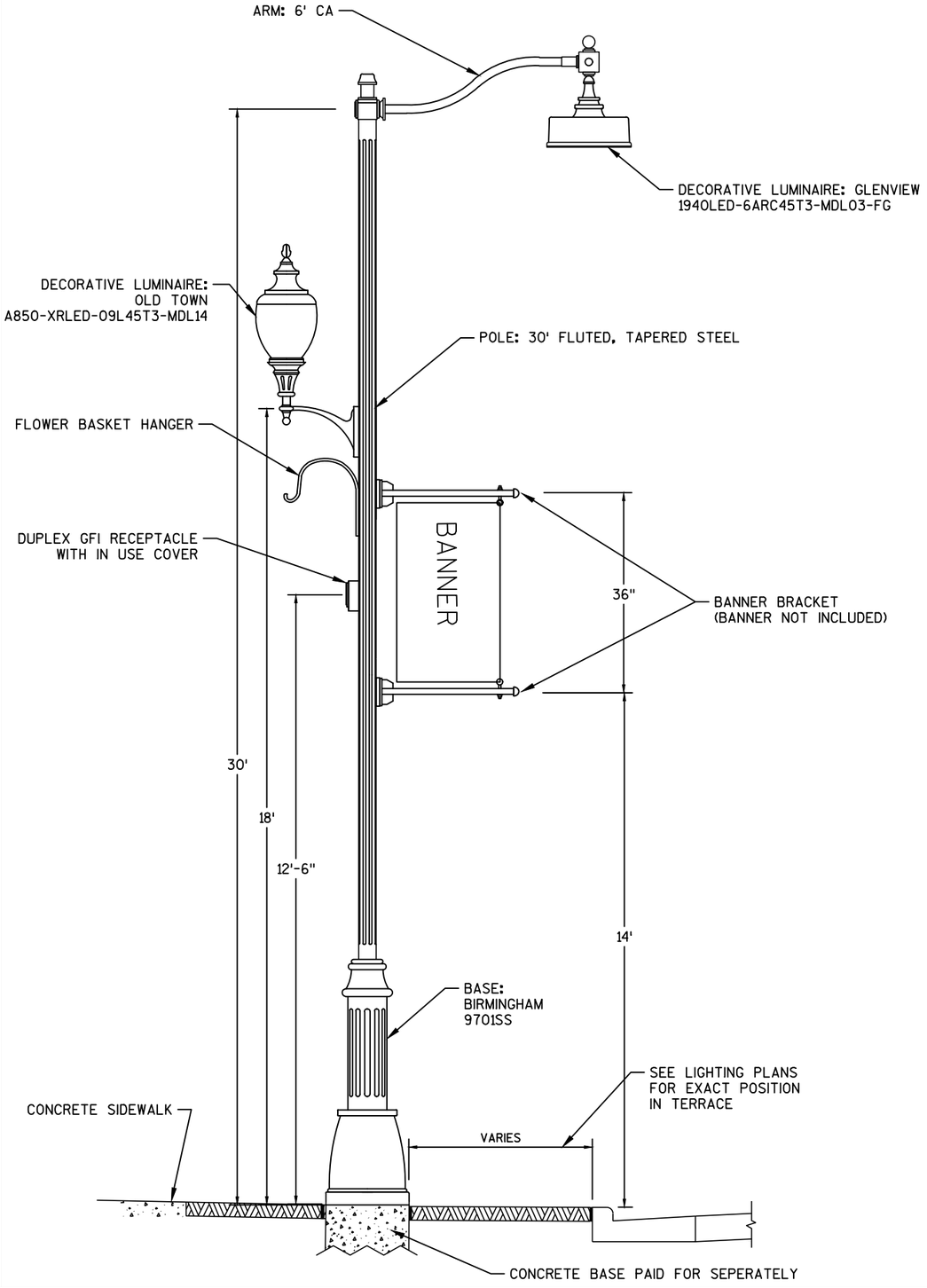
OVERHEAD VIEW

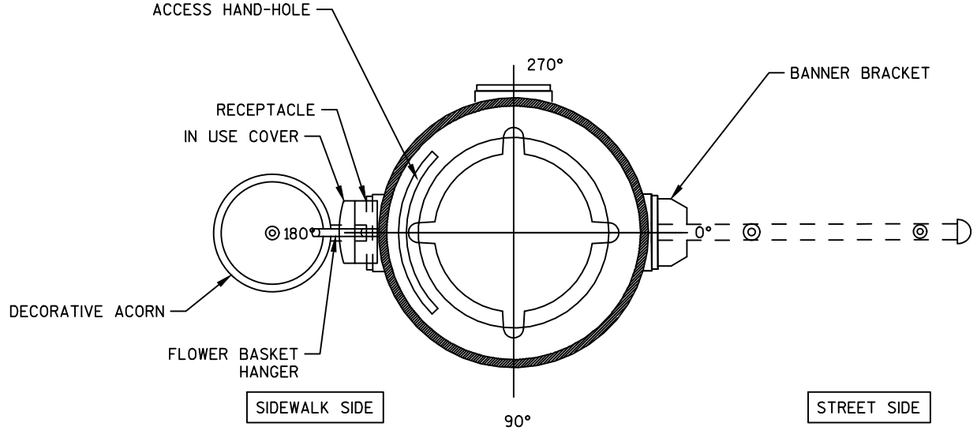
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - LIGHTING PLANS	SHEET 165	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\021001-CD.DWG
LAYOUT NAME - TYPE B
PLOT DATE : 7/16/2020 9:58 AM
PLOT BY : ANDREW LOBDELL
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2

NOTE:
FINAL LOCATION AND SIZE OF RECEPTACLE, FLAG POLE BRACKET AND BANNER BRACKETS TO BE DETERMINED BY THE CITY OF PORTAGE OR ENGINEER IN THE FIELD.





OVERHEAD VIEW

DECORATIVE STREET LIGHT TYPE C DETAIL
NOT TO SCALE

SHEET 6 OF 28

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - LIGHTING PLANS	SHEET 166	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\021001-CD.DWG
LAYOUT NAME - TYPE C
PLOT DATE : 7/16/2020 9:58 AM PLOT BY : ANDREW LOBDELL PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

NOTES:

1) SEE TRAFFIC SIGNAL PLAN FOR STREET LIGHTS SHARING INFRASTRUCTURE AND ELECTRICAL SERVICE WITH TRAFFIC SIGNALS

2) ROUTE CONDUIT AROUND ALL TREE GRATES TO ENSURE NO CONFLICTS WITH FUTURE LANDSCAPING

N

STA. 539+46'DE' - 41.4' RT
TYPE C - 5 - 6/8 - 16 - SL120

STA. 539+42'DE' - 33.1' RT
PB110

STA. 538+99'DE' - 33.9' RT
TYPE C - 5 - 6/8 - 16 - SL121

STA. 104+66'WI' - 35.3' LT
TYPE C - 5 - 5/7 - 14 - SL122

STA. 103+46'WI' - 80.5' LT
PB111

STA. 104+39'WI' - 37.1' LT
PB112

STA. 538+72'DE' - 78.0' RT
TYPE B - 5 - 10/12 - 19 - SL133

MATCH LINE STA. 539+75 'DE'

STA. 539+32'DE' - 36.3' LT
TYPE B - 5 - 9/11 - 17 - SL112

STA. 102+33'WI' - 71.4' LT
PB108

STA. 539+04'DE' - 67.3' LT
CB100

STA. 538+64'DE' - 66.5' LT
TYPE C - 5 - 1/3 - 13 - SL111

STA. 101+38'WI' - 29.8' LT
TYPE C - 5 - 1/3 - 13 - SL110

STA. 101+17'WI' - 27.5' LT
PB106

USH 51/DEWITT STREET

539+00DE

SEE TRAFFIC SIGNAL PLAN

SEE TRAFFIC SIGNAL PLAN

99+00WI | 100+00WI | 101+00WI | 102+00WI | 103+00WI | 104+00WI | 105+

MATCH LINE STA. 105+00 'WI'

USH 51 / STH 16 / WISCONSIN STREET

STA. 100+37'WI' - 26.5' RT
TYPE A - 5 - 1/3 - 13 - SL100

STA. 100+53'WI' - 37.1' RT
PB100

12+00WE

11+00WE

R/W

W EDGEWATER STREET

TOW PATH

PORTAGE CANAL

STA. 102+31'WI' - 66.7' LT
PB107

SEE TRAFFIC SIGNAL PLAN

SEE TRAFFIC SIGNAL PLAN

STA. 102+31'WI' - 27.5' RT
PB102

STA. 101+60'WI' - 27.5' RT
TYPE B - 5 - 1/3 - 13 - SL102

STA. 104+16'WI' - 57.2' LT
TYPE B - 5 - 10/12 - 19 - SL134

STA. 101+23'WI' - 37.1' RT
PB101

STA. 104+39'WI' - 27.5' RT
PB103

STA. 12+40'WE' - 21.0' RT
TYPE A - 5 - 1/3 - 13 - SL101

MULLET STREET

SHEET 7 OF 28

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	LIGHTING PLANS	SHEET 167	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\023601-LP.DWG
LAYOUT NAME - 021201

PLOT DATE : 7/21/2020 10:27 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

A =	CB100		1	2"
	1/3	2	#6	1	#6
	13	1	#6	-	-
	NEU	1	#6	-	-

B =	CB100		1	3"
	1/3	2	#6	1	#6
	13	1	#6	-	-
	NEU	1	#6	-	-

C =	CB100		1	2"
	2/4	2	#6	1	#6
	15	1	#6	-	-
	NEU	1	#6	-	-

D =	CB100		1	3"
	2/4	2	#6	1	#6
	15	1	#6	-	-
	NEU	1	#6	-	-

E =	CB100		1	2"
	5/7	2	#6	1	#6
	14	1	#6	-	-
	NEU	1	#6	-	-

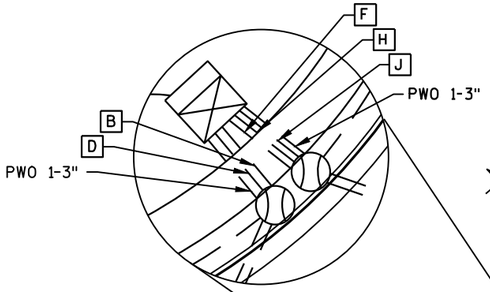
F =	CB100		1	3"
	5/7	2	#6	1	#6
	14	1	#6	-	-
	NEU	1	#6	-	-

G =	CB100		1	2"
	6/8	2	#6	1	#6
	16	1	#6	-	-
	NEU	1	#6	-	-

H =	CB100		1	3"
	6/8	2	#6	1	#6
	16	1	#6	-	-
	NEU	1	#6	-	-

I =	CB100		1	2"
	9/11	2	#6	1	#6
	17	1	#6	-	-
	NEU	1	#6	-	-

J =	CB100		1	3"
	9/11	2	#6	1	#6
	17	1	#6	-	-
	NEU	1	#6	-	-



MATCH LINE STA. 539+75 'DE'

USH 51/DEWITT STREET

539+00DE

N

SL120

PB110

G

SL121

CB100 | 1 | 2"
6/8 | 4 | #6 | 2 | #6
16 | 1 | #6 | - | -
NEU | 2 | #6 | - | -

CB100 | 1 | 3"
5/7 | 4 | #6 | 2 | #6
14 | 2 | #6 | - | -
NEU | 2 | #6 | - | -

PB111

SL133

SL134

PB112

SL122

E

F

H

I

SL112

CB100

PB108

PB107

SL111

CB100 | 1 | 3"
1/3 | 4 | #6 | 2 | #6
13 | 2 | #6 | - | -
NEU | 2 | #6 | - | -

PWO 1-3"
SEE NOTE 1

PWO 1-2"

PB106

SL110

A

B

D

99+00WI

100+00WI

101+00WI

102+00WI

103+00WI

104+00WI

105+

PWO 1-3"

USH 51 / STH 16 / WISCONSIN STREET

MATCH LINE STA. 105+00 'WI'

SL100

B

PWO 1-3"

SL102

PB102

PB101

PB103

PB100

A

SL101

A

A

C

CB100 | 1 | 3"
1/3 | 4 | #6 | 2 | #6
13 | 2 | #6 | - | -
NEU | 2 | #6 | - | -

12+00WE

TOW PATH

11+00WE

W EDGEWATER STREET

NOTES:

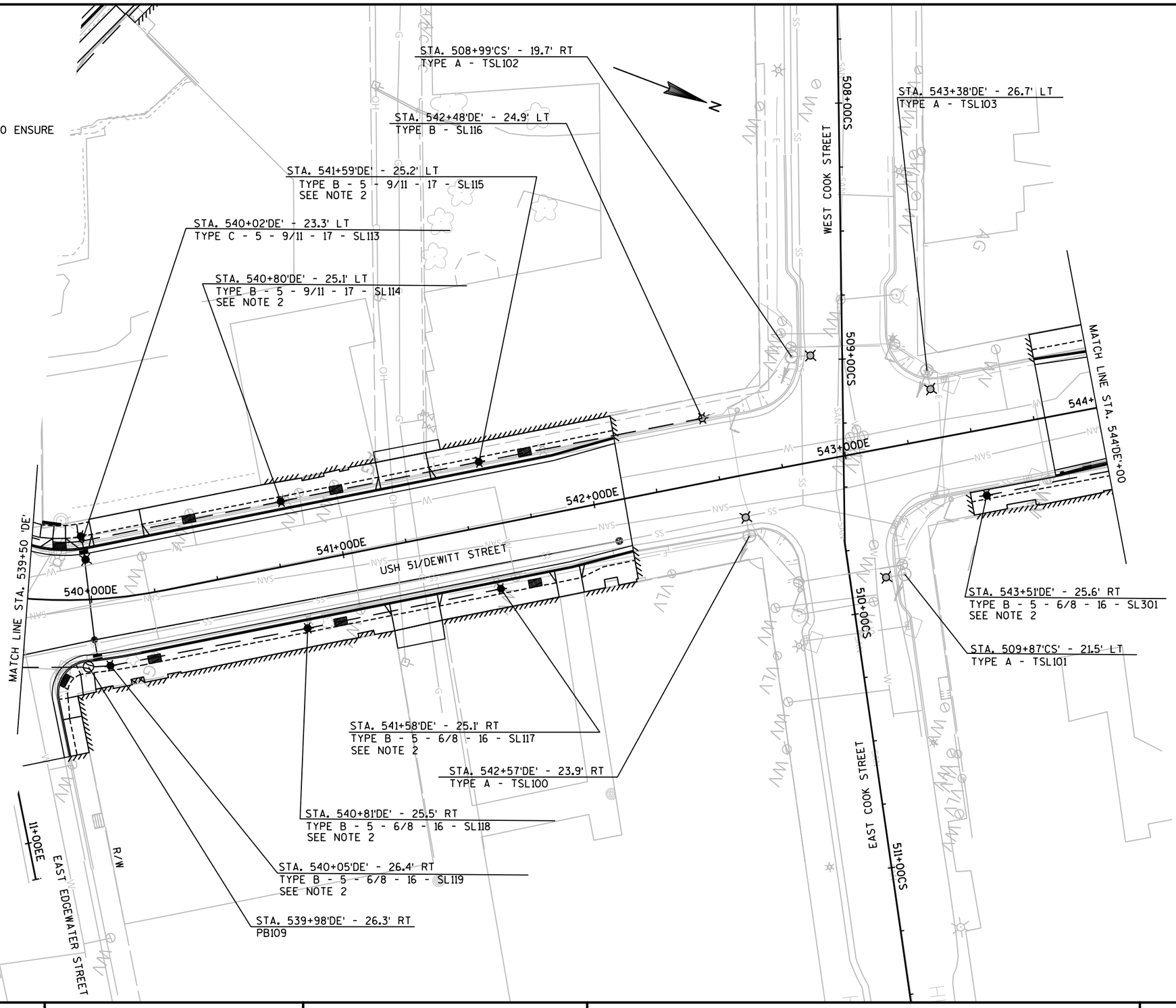
1) CONTRACTOR SHALL INSTALL CONDUIT FROM THE UTILITY SIDE OF THE METER BREAKER PEDESTAL TO THE BASE OF FIELD LOCATED UTILITY POLE/TRANSFORMER. CONDUIT SHALL BE STUBBED AND PLUGGED BELOW GRADE.

NOTES:

1) ROUTE CONDUIT AROUND ALL TREE GRATES TO ENSURE NO CONFLICTS WITH FUTURE LANDSCAPING

2) REINSTALL SALVAGED STREET LIGHT ON NEW CONCRETE BASE.

3) PARK LIGHTING SHOWN ON SHEETS XX OF XX



2

G =

CB100			1	2"
6/8	2	#6	1	#6
16	1	#6	-	-
NEU	1	#6	-	-

I =

CB100			1	2"
9/11	2	#6	1	#6
17	1	#6	-	-
NEU	1	#6	-	-

H =

CB100			1	3"
6/8	2	#6	1	#6
16	1	#6	-	-
NEU	1	#6	-	-

J =

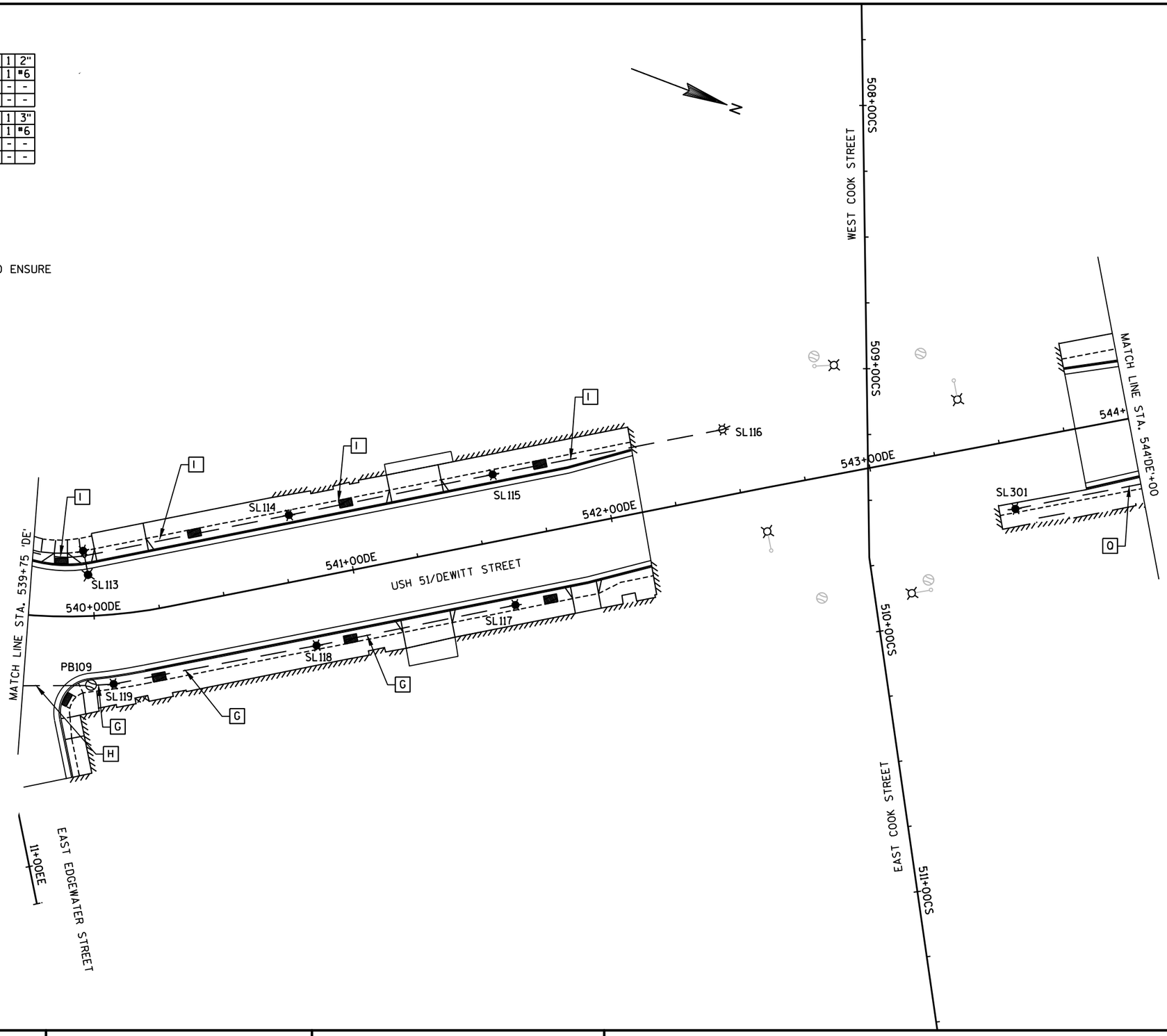
CB100			1	3"
9/11	2	#6	1	#6
17	1	#6	-	-
NEU	1	#6	-	-

O =

MB300			1	2"
1/3	2	#6	1	#6
5	1	#6	-	-
NEU	1	#6	-	-

NOTES:

1) ROUTE CONDUIT AROUND ALL TREE GRATES TO ENSURE NO CONFLICTS WITH FUTURE LANDSCAPING.



SHEET 10 OF 28

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	LIGHTING PLANS	SHEET 170	E

NOTES:

1) ROUTE CONDUIT AROUND ALL TREE GRATES TO ENSURE NO CONFLICTS WITH FUTURE LANDSCAPING

2) REINSTALL SALVAGED STREET LIGHT ON NEW CONCRETE BASE.

STA. 544+28'DE' - 25.5' LT
TYPE B - 5 - 9/11 - 17 - SL300
SEE NOTE 2

STA. 544+40'DE' - 25.1' LT
PB300

STA. 544+46'DE' - 37.0' LT
MB300

STA. 544+45'DE' - 25.1' LT
PB302

STA. 545+68'DE' - 25.2' LT
TYPE B - 5 - 9/11 - 17 - SL304
SEE NOTE 2

STA. 544+98'DE' - 25.5' LT
TYPE B - 5 - 9/11 - 17 - SL302
SEE NOTE 2

STA. 12+23'WP' - 21.8' LT
PB304

STA. 12+29'WP' - 24.5' RT
TYPE A - 5 - 9/11 - 17 - SL314

STA. 548+91'DE' - 25.0' LT
TYPE B - 5 - 9/11 - 17 - SL312

STA. 548+21'DE' - 24.5' LT
TYPE B - 5 - 9/11 - 17 - SL310

STA. 547+53'DE' - 24.5' LT
TYPE B - 5 - 9/11 - 17 - SL308

STA. 546+73'DE' - 25.2' LT
TYPE A - 5 - 9/11 - 17 - SL306

STA. 544+33'DE' - 25.2' LT
PB301

STA. 544+28'DE' - 25.6' RT
TYPE B - 5 - 6/8 - 16 - SL303
SEE NOTE 2

STA. 544+96'DE' - 25.5' RT
TYPE B - 5 - 6/8 - 16 - SL305
SEE NOTE 2

STA. 545+61'DE' - 25.2' RT
TYPE A - 5 - 6/8 - 16 - SL307

STA. 546+98'DE' - 25.5' RT
TYPE B - 5 - 6/8 - 16 - SL311

STA. 546+43'DE' - 25.5' RT
TYPE B - 5 - 6/8 - 16 - SL309
SEE NOTE 2

STA. 547+97'DE' - 24.8' RT
TYPE A - 5 - 6/8 - 16 - SL313

STA. 548+79'DE' - 25.5' RT
TYPE A - 5 - 6/8 - 16 - SL315

STA. 20+46'EP' - 20.0' RT
PB303

STA. 20+44'EP' - 22.5' LT
TYPE A - 5 - 6/8 - 16 - SL316

STA. 549+67'DE' - 18.8' RT
PB305

MATCH LINE STA. 544+00 'DE'

WEST CONANT STREET

EAST CONANT STREET

WEST PLEASANT STREET

EAST PLEASANT STREET

USH 51/DEWITT STREET

12+00CO

13+00CO

14+00CO

15+00CO

11+00WP

12+00WP

21+00EP

R/W

N

545+00DE

546+00DE

547+00DE

548+00DE

549+00DE

550+00DE

SHEET 11 OF 28

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	LIGHTING PLANS	SHEET 171 E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\023602-LP.DWG
LAYOUT NAME - SHEET - (2)

PLOT DATE : 7/1/2020 1:47 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

Q =	MB300		1	2"
	1/3	2	#6	1	#6
	5	1	#6	-	-
	NEU	1	#6	-	-

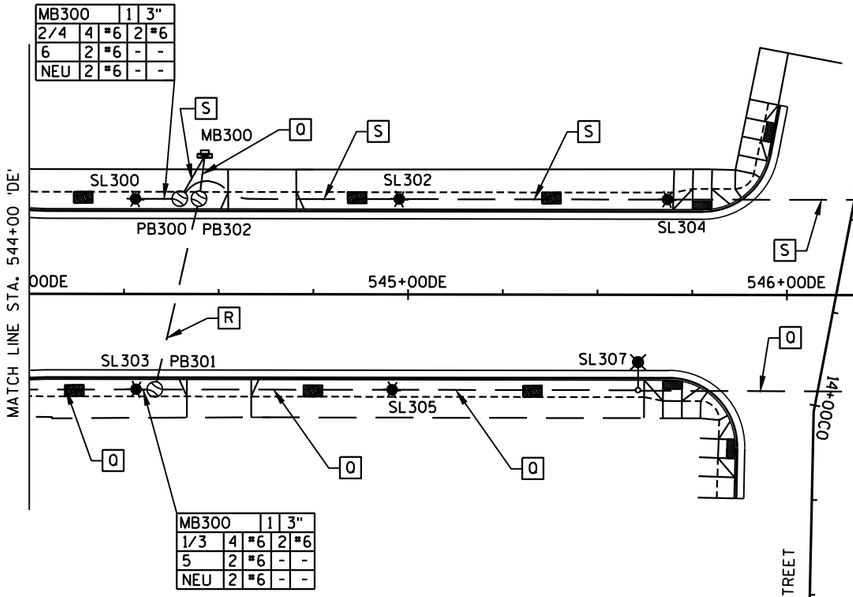
S =	MB300		1	2"
	2/4	2	#6	1	#6
	6	1	#6	-	-
	NEU	1	#6	-	-

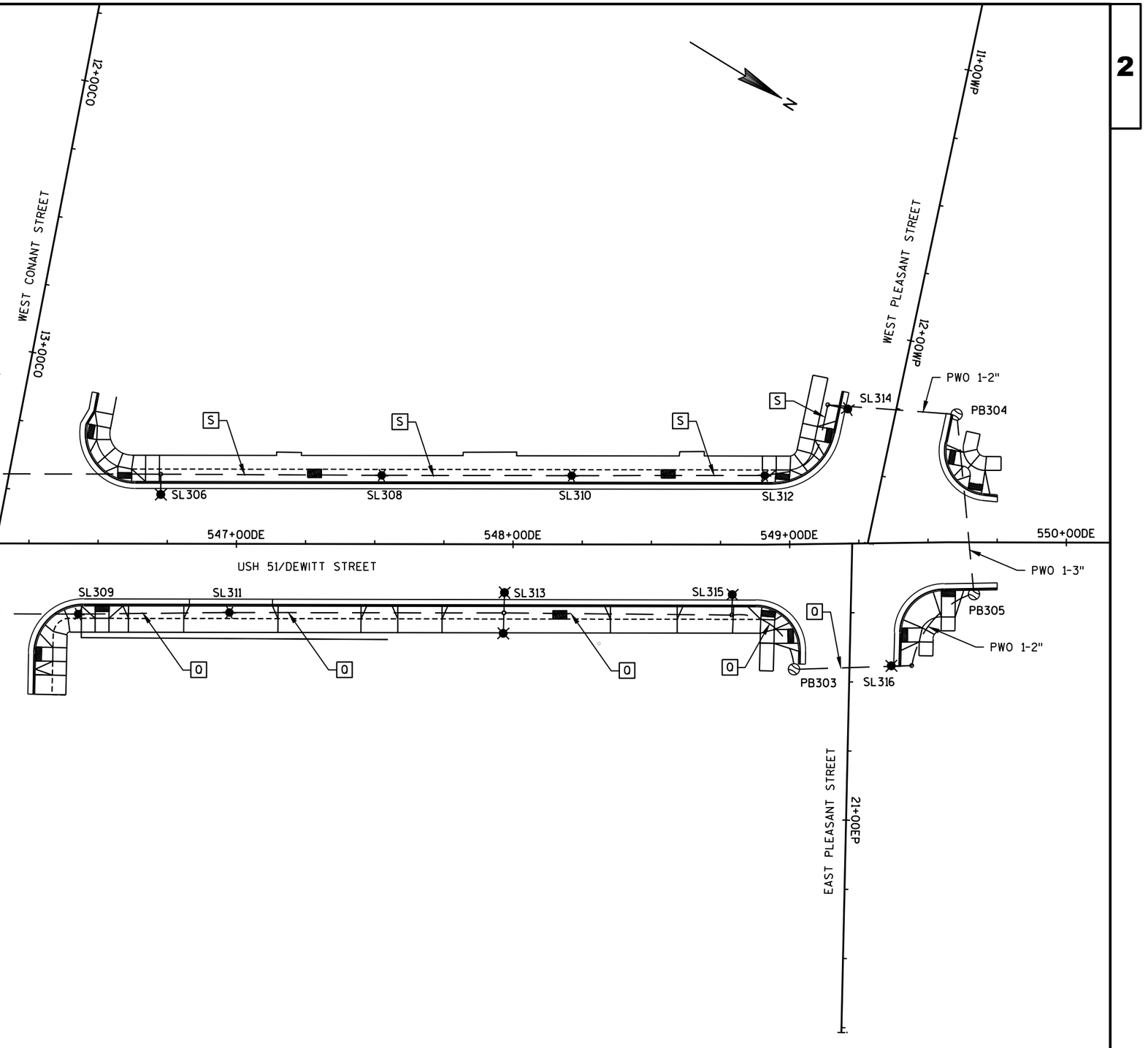
R =	MB300		1	3"
	1/3	2	#6	1	#6
	5	1	#6	-	-
	NEU	1	#6	-	-

T =	MB300		1	3"
	2/4	2	#6	1	#6
	6	1	#6	-	-
	NEU	1	#6	-	-

NOTES:

1) ROUTE CONDUIT AROUND ALL TREE GRATES TO ENSURE NO CONFLICTS WITH FUTURE LANDSCAPING.





SHEET 12 OF 28

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	LIGHTING PLANS	SHEET 172	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\023602-LP-A.DWG
LAYOUT NAME - SHEET - (2)

PLOT DATE : 7/16/2020 10:19 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

STA. 10+51'EM' - 26.4' LT
TYPE A - 5 - 5/7 - 14 - SL124

STA. 106+06'WI' - 28.2' LT
PB113

STA. 105+67'WI' - 30.3' LT
TYPE A - 5 - 5/7 - 14 - SL123

E MULLET STREET

STA. 107+33'WI' - 27.9' LT
TYPE A - 5 - 5/7 - 14 - SL125

STA. 10+36'DS' - 25.7' LT
TYPE A - 5 - 5/7 - 14 - SL126

STA. 108+57'WI' - 27.5' LT
PB114

DODGE STREET

11+00DS

STA. 109+49'WI' - 27.8' LT
TYPE A - 5 - 5/7 - 14 - SL127

MATCH LINE STA. 105+00 'WI'

105+00WI

106+00WI

107+00WI

108+00WI

109+00WI

110+00WI

111+00 'WI'

MATCH LINE STA. 111+00 'WI'

USH 51 / STH 16 / WISCONSIN STREET

11+00WR

WARREN STREET

R/W

STA. 106+30'WI' - 27.8' RT
TYPE A - 5 - 2/4 - 15 - SL104

STA. 106+07'WI' - 27.5' RT
PB104

STA. 10+84'WR' - 26.1' RT
TYPE A - 5 - 2/4 - 15 - SL103

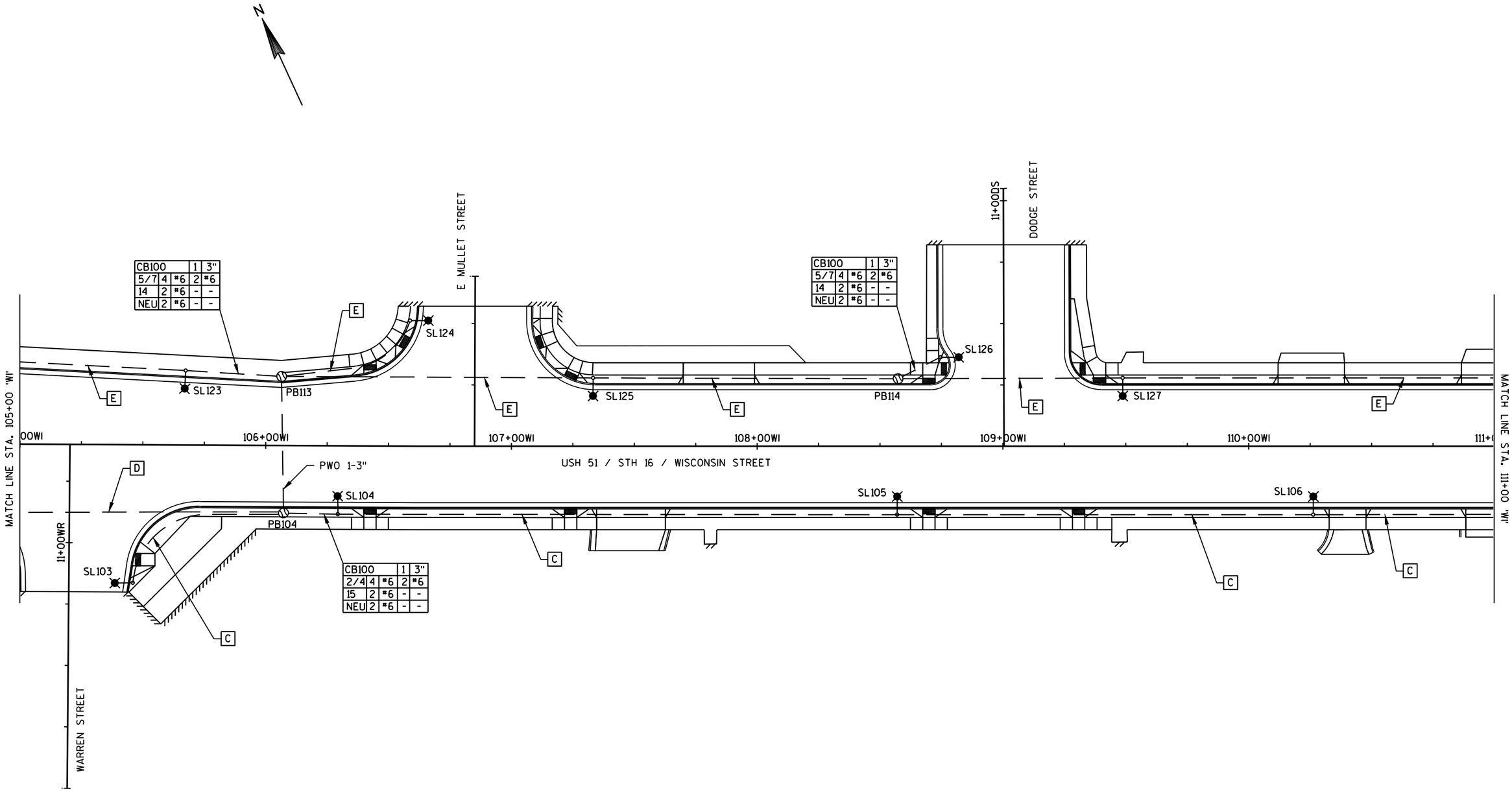
STA. 108+57'WI' - 27.8' RT
TYPE A - 5 - 2/4 - 15 - SL105

STA. 110+26'WI' - 27.8' RT
TYPE A - 5 - 2/4 - 15 - SL106

SHEET 13 OF 28

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	LIGHTING PLANS	SHEET 173	E

2



C =

CB100			1	2"
2/4	2	#6	1	#6
15	1	#6	-	-
NEU	1	#6	-	-

D =

CB100			1	3"
2/4	2	#6	1	#6
15	1	#6	-	-
NEU	1	#6	-	-

E =

CB100			1	2"
5/7	2	#6	1	#6
14	1	#6	-	-
NEU	1	#6	-	-

F =

CB100			1	3"
5/7	2	#6	1	#6
14	1	#6	-	-
NEU	1	#6	-	-

2

PAUQUETTE STREET

BRADY STREET

11+00BS

STA. 10+46'PS' - 24.7' LT
TYPE A - 5 - 5/7 - 14 - SL129

STA. 111+53'WI' - 27.8' LT
TYPE A - 5 - 5/7 - 14 - SL128

STA. 112+37'WI' - 27.5' LT
PB115

STA. 113+44'WI' - 27.8' LT
TYPE A - 5 - 5/7 - 14 - SL130

STA. 115+55'WI' - 27.8' LT
TYPE A - 5 - 5/7 - 14 - SL131

STA. 116+57'WI' - 44.4' LT
TYPE A - 5 - 5/7 - 14 - SL132

STA. 116+31'WI' - 27.5' LT
PB116

R/W

25'

112+00WI

113+00WI

114+00WI

115+00WI

116+00WI

117+

MATCH LINE STA. 111+00 'WI'

MATCH LINE STA. 117+00 'WI'

USH 51 / STH 16 / WISCONSIN STREET

STA. 114+42'WI' - 27.8' RT
TYPE A - 5 - 2/4 - 15 - SL108

STA. 116+35'WI' - 27.8' RT
TYPE A - 5 - 2/4 - 15 - SL109

STA. 112+37'WI' - 27.5' RT
PB105

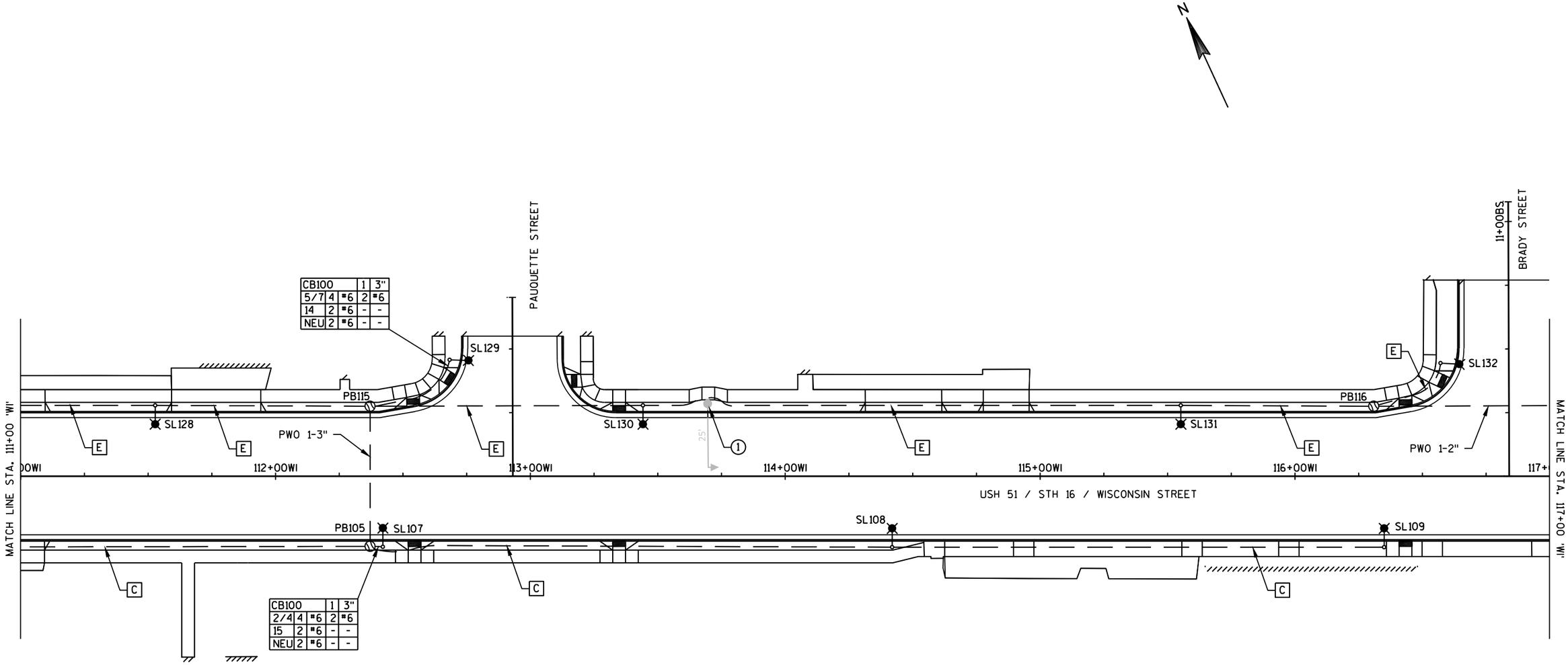
STA. 112+42'WI' - 27.7' RT
TYPE A - 5 - 2/4 - 15 - SL107

SHEET 15 OF 28

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	LIGHTING PLANS	SHEET 175	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\023601-LP.DWG
LAYOUT NAME - 021201 (2)
PLOT DATE : 7/21/2020 10:27 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2



C =

CB100		1	2"
2/4	2	#6	1	#6
15	1	#6	-	-
NEU	1	#6	-	-

E =

CB100		1	2"
5/7	2	#6	1	#6
14	1	#6	-	-
NEU	1	#6	-	-

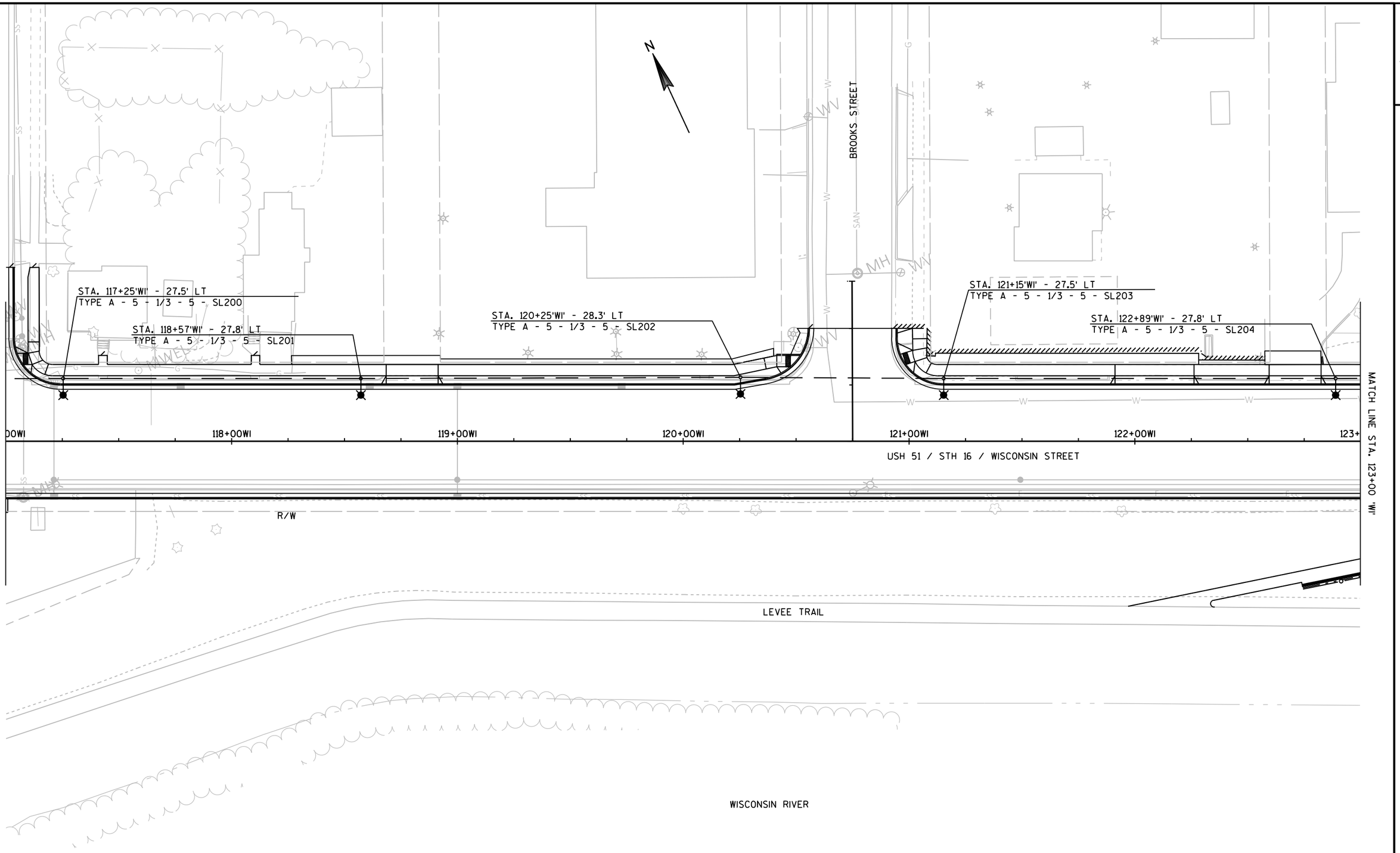
F =

CB100		1	3"
5/7	2	#6	1	#6
14	1	#6	-	-
NEU	1	#6	-	-

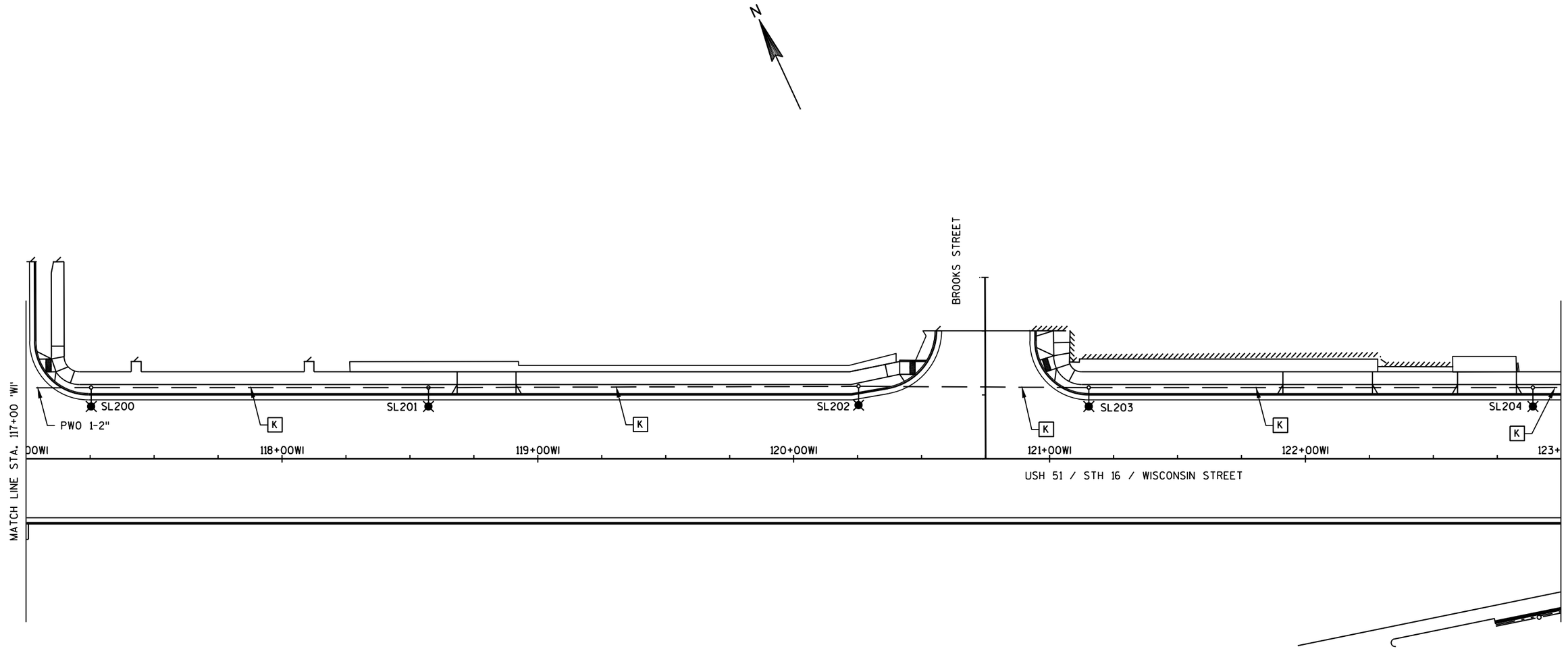
NOTES:

1) ROUTE CONDUIT AROUND SIGN BASE

2


N
BROOKS STREET
STA. 117+25'WI' - 27.5' LT
TYPE A - 5 - 1/3 - 5 - SL200
STA. 118+57'WI' - 27.8' LT
TYPE A - 5 - 1/3 - 5 - SL201
STA. 120+25'WI' - 28.3' LT
TYPE A - 5 - 1/3 - 5 - SL202
STA. 121+15'WI' - 27.5' LT
TYPE A - 5 - 1/3 - 5 - SL203
STA. 122+89'WI' - 27.8' LT
TYPE A - 5 - 1/3 - 5 - SL204
118+00WI
119+00WI
120+00WI
121+00WI
122+00WI
MATCH LINE STA. 117+00 'WI'
MATCH LINE STA. 123+00 'WI'
USH 51 / STH 16 / WISCONSIN STREET
R/W
LEVEE TRAIL
WISCONSIN RIVER

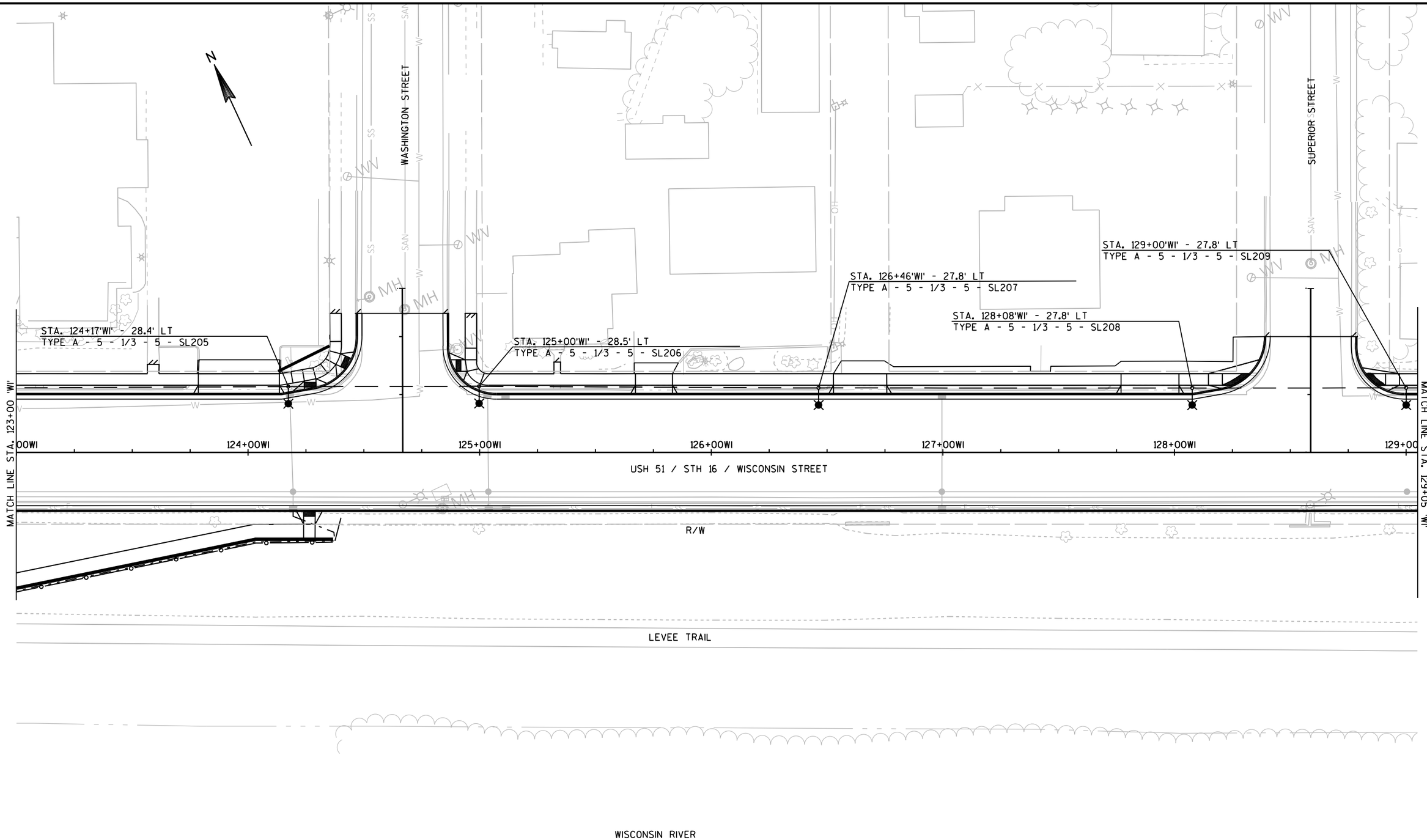
2



K =	MB200			1	2"
	1/3	2	#6	1	#6
	5	1	#6	-	-
	NEU	1	#6	-	-

L =	MB200			1	3"
	1/3	2	#6	1	#6
	5	1	#6	-	-
	NEU	1	#6	-	-

2



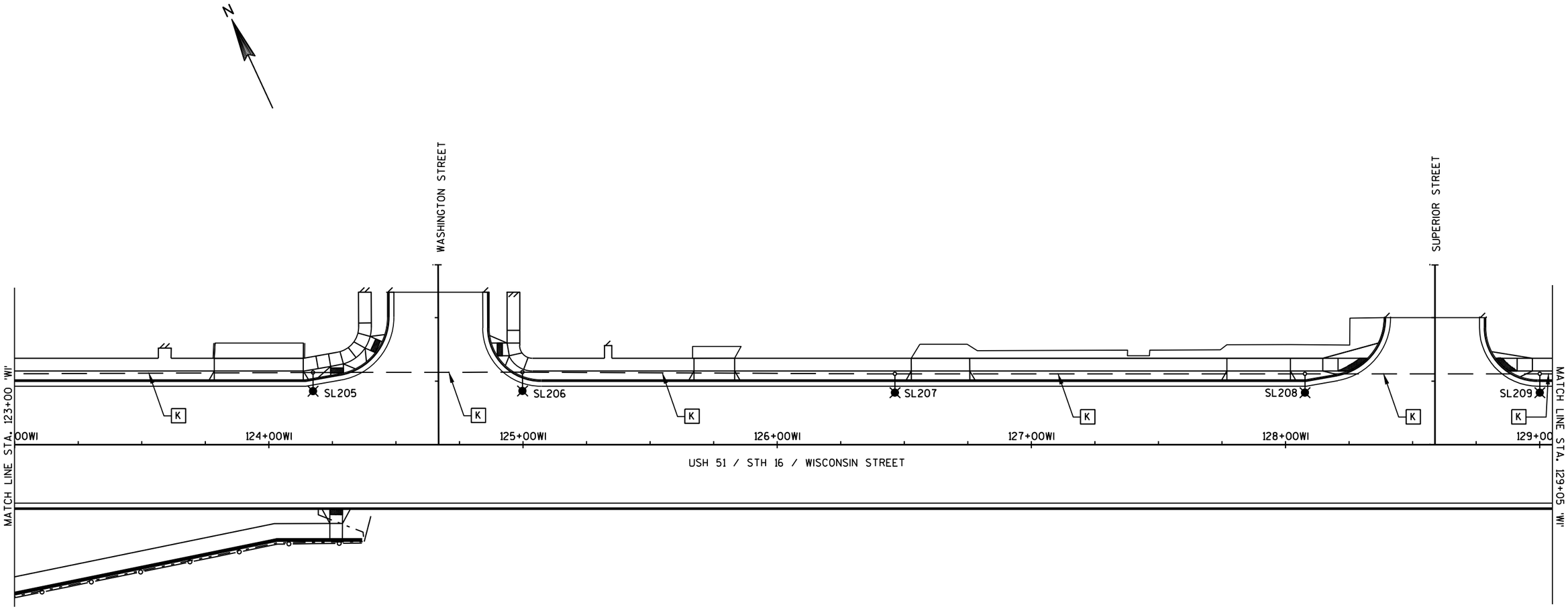
SHEET 19 OF 28

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	LIGHTING PLANS	SHEET 179	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\023601-LP.DWG
LAYOUT NAME - 021201 (4)

PLOT DATE : 7/21/2020 10:28 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

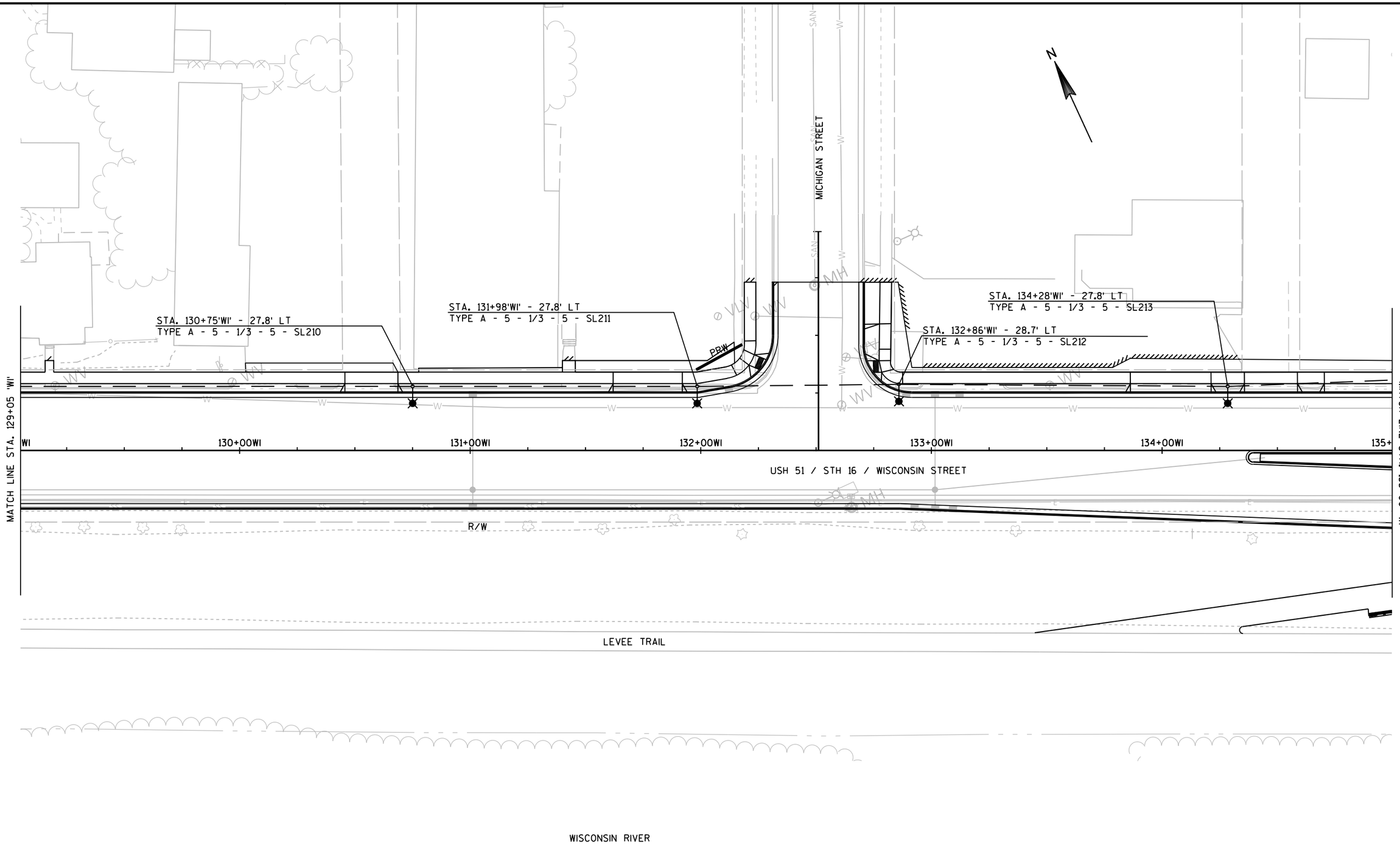
2



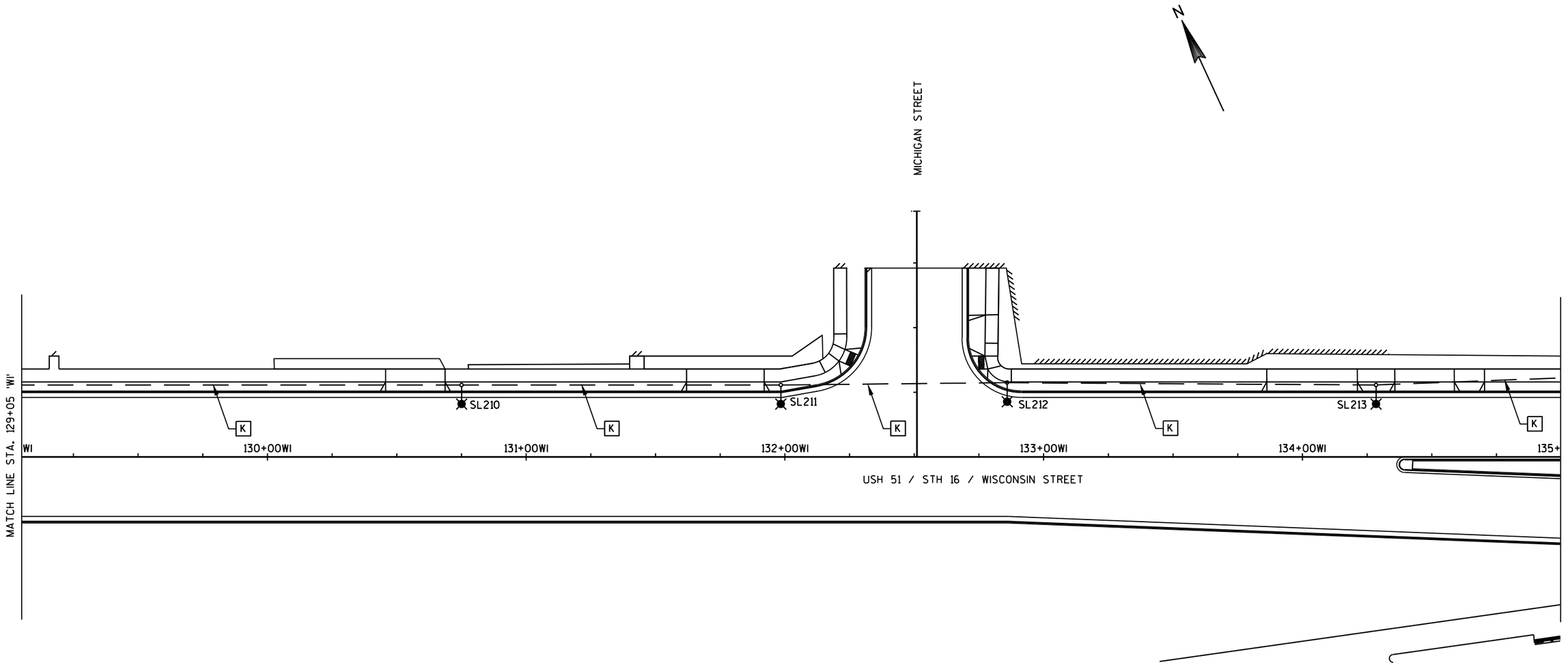
K =	MB200			1	2"
	1/3	2	#6	1	#6
	5	1	#6	-	-
	NEU	1	#6	-	-

L =	MB200			1	3"
	1/3	2	#6	1	#6
	5	1	#6	-	-
	NEU	1	#6	-	-

2


N
MICHIGAN STREET
STA. 130+75'WI' - 27.8' LT
TYPE A - 5 - 1/3 - 5 - SL210
STA. 131+98'WI' - 27.8' LT
TYPE A - 5 - 1/3 - 5 - SL211
STA. 132+86'WI' - 28.7' LT
TYPE A - 5 - 1/3 - 5 - SL212
STA. 134+28'WI' - 27.8' LT
TYPE A - 5 - 1/3 - 5 - SL213
P&W
MATCH LINE STA. 129+05 'WI'
WI
130+00WI
131+00WI
132+00WI
133+00WI
134+00WI
135+
MATCH LINE STA. 135+00 'WI'
USH 51 / STH 16 / WISCONSIN STREET
R/W
LEVEE TRAIL
WISCONSIN RIVER

2



K =	MB200			1	2"
	1/3	2	#6	1	#6
	5	1	#6	-	-
	NEU	1	#6	-	-

L =	MB200			1	3"
	1/3	2	#6	1	#6
	5	1	#6	-	-
	NEU	1	#6	-	-

2

2

N

WAUONA STREET

HURON STREET

STA. 136+19'WI' - 35.1' LT
PB202

STA. 135+96'WI' - 28.9' LT
TYPE A - 5 - 1/3 - 5 - SL214

STA. 137+17'WI' - 34.0' LT
TYPE A - 5 - 1/3 - 5 - SL215

STA. 138+66'WI' - 27.8' LT
TYPE A - 5 - 1/3 - 5 - SL216

STA. 140+15'WI' - 27.8' LT
TYPE A - 5 - 1/3 - 5 - SL217

STA. 140+53'WI' - 39.8' LT
PB204

STA. 140+35'WI' - 38.7' LT
MB200

STA. 140+19'WI' - 27.6' LT
PB203

11+00WA

00WI

136+00WI

137+00WI

138+00WI

139+00WI

140+00WI

141+

MATCH LINE STA. 135+00 'WI'

MATCH LINE STA. 141+00 'WI'

USH 51 / STH 16 / WISCONSIN STREET

STA. 136+18'WI' - 4.8' RT
PB201

LEVEE TRAIL

STA. 136+18'WI' - 39.5' RT
PB200

STA. 136+13'WI' - 43.0' RT
TYPE A - 5 - 1/3 - 5 - SL225

WISCONSIN RIVER

SHEET 23 OF 28

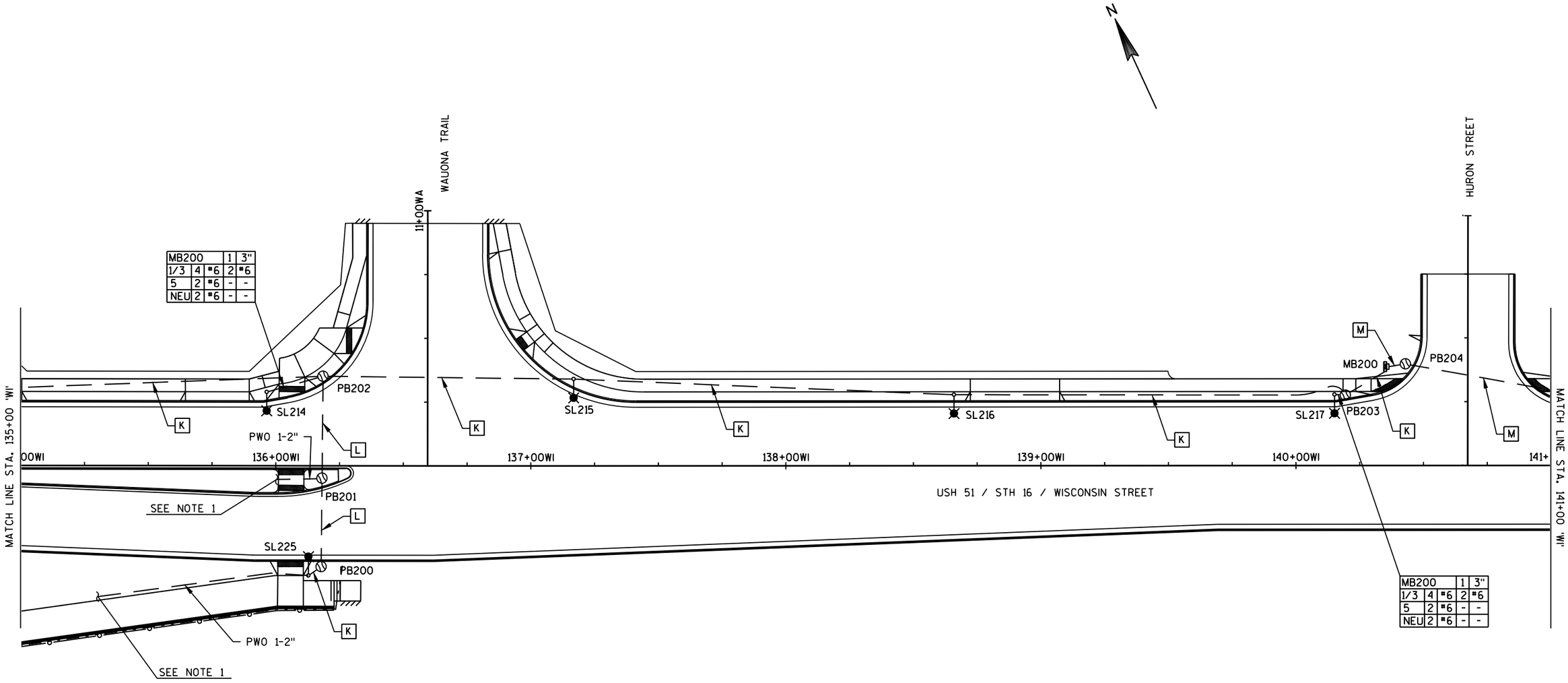
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	LIGHTING PLANS	SHEET 183	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\023601-LP.DWG
LAYOUT NAME - 021201 (6)

PLOT DATE : 7/21/2020 10:28 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



MB200	1	3"
1/3 | 4	#6	2 #6
5 | 2	#6	- -
NEU | 2	#6	- -

K =

MB200	1	2"
1/3 | 2	#6	1 #6
5 | 1	#6	- -
NEU | 1	#6	- -

L =

MB200	1	3"
1/3 | 2	#6	1 #6
5 | 1	#6	- -
NEU | 1	#6	- -

M =

MB200	1	2"
2/4 | 2	#6	1 #6
6 | 1	#6	- -
NEU | 1	#6	- -

N =

MB200	1	3"
2/4 | 2	#6	1 #6
6 | 1	#6	- -
NEU | 1	#6	- -

NOTES:

1) STUB, CAP AND LOCATE CONDUIT FOR FUTURE USE.

2

2

STA. 141+09'WI' - 27.8' LT
TYPE A - 5 - 2/4 - 6 - SL218

STA. 142+46'WI' - 27.8' LT
TYPE A - 5 - 2/4 - 6 - SL219

STA. 144+06'WI' - 27.8' LT
TYPE A - 5 - 2/4 - 6 - SL220

STA. 145+03'WI' - 27.8' LT
TYPE A - 5 - 2/4 - 6 - SL221

STA. 146+33'WI' - 27.8' LT
TYPE A - 5 - 2/4 - 6 - SL222

ERIE STREET

11+00ES

MH

N

MATCH LINE STA. 141+00 'WI'

142+00WI

143+00WI

144+00WI

145+00WI

146+00WI

147+

MATCH LINE STA. 147+00 'WI'

USH 51 / STH 16 / WISCONSIN STREET

R/W

LEVEE TRAIL

WISCONSIN RIVER

SHEET 25 OF 28

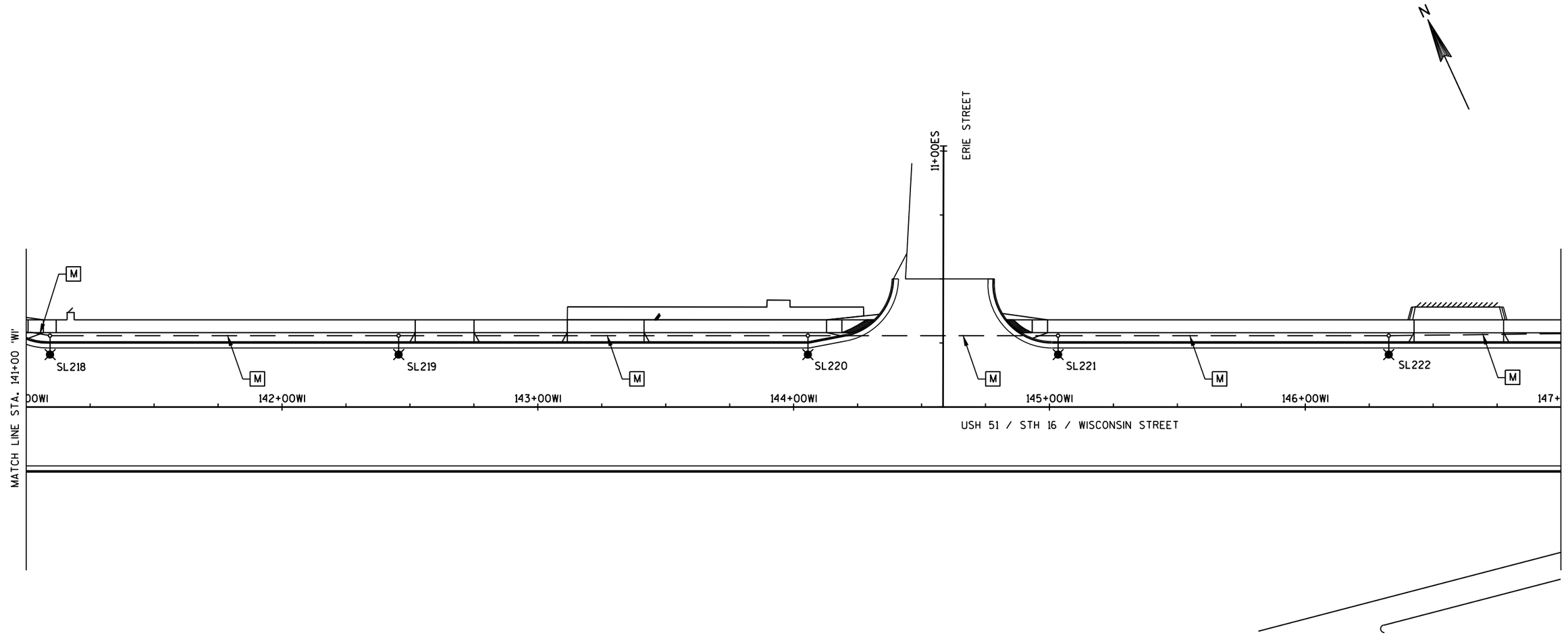
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	LIGHTING PLANS	SHEET 185	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\023601-LP.DWG
LAYOUT NAME - 021201 (7)

PLOT DATE : 7/21/2020 10:28 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

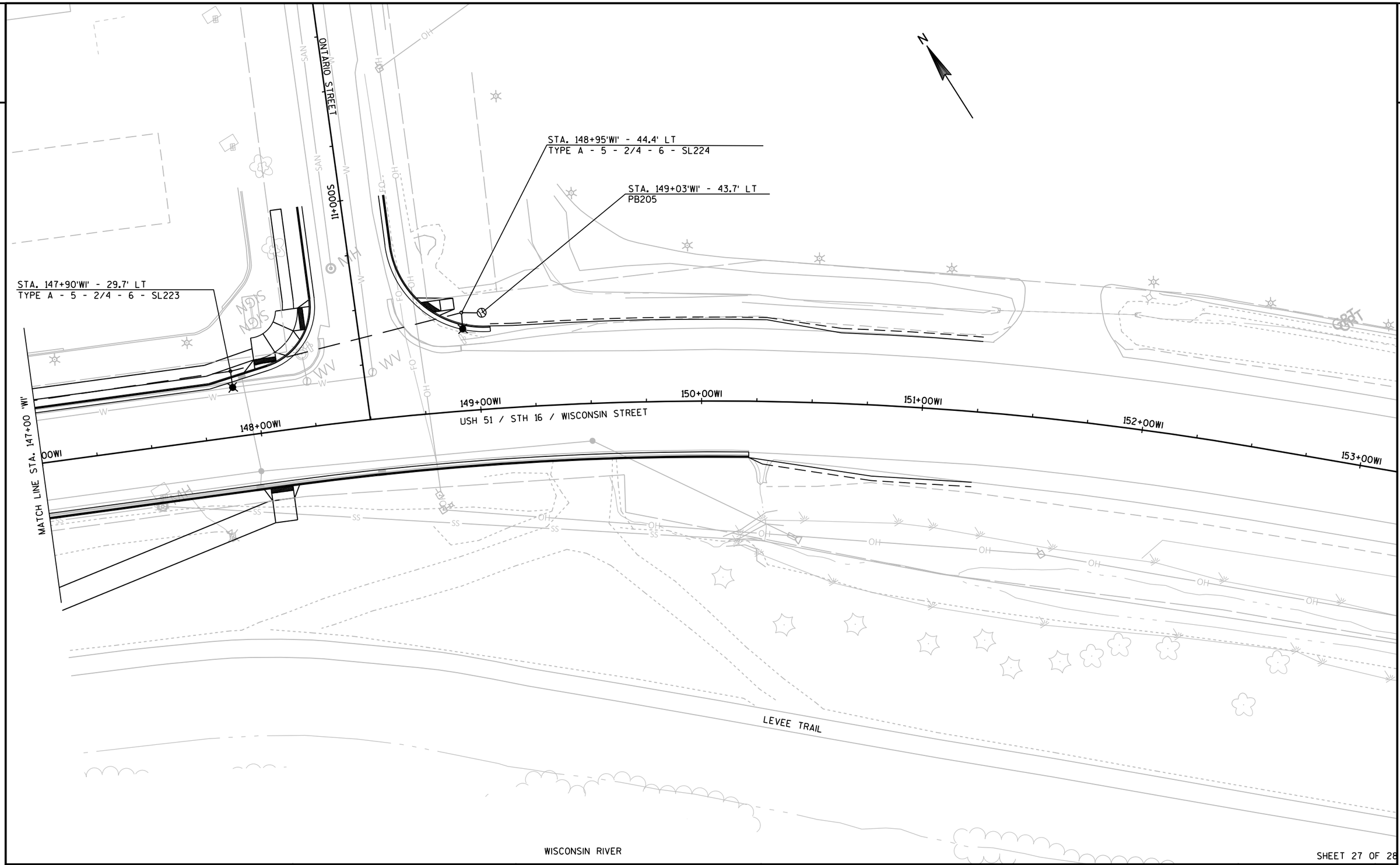
2



M =	MB200			1	2"
	2/4	2	#6	1	#6
	6	1	#6	-	-
	NEU	1	#6	-	-

N =	MB200			1	3"
	2/4	2	#6	1	#6
	6	1	#6	-	-
	NEU	1	#6	-	-

2



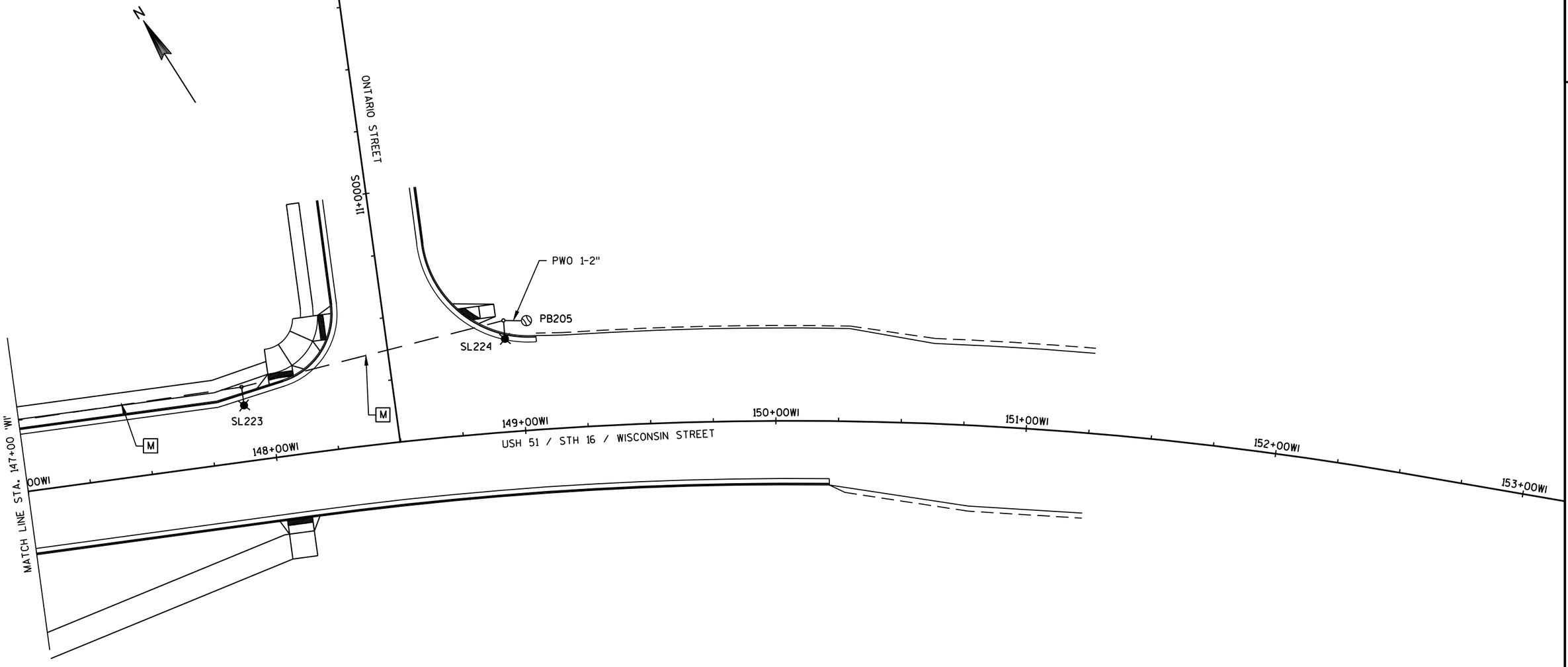
SHEET 27 OF 28

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	LIGHTING PLANS	SHEET 187	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\LIGHTING\023601-LP.DWG
LAYOUT NAME - 021201 (8)

PLOT DATE : 7/21/2020 10:28 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



M =	MB200			1	2"
	2/4	2	#6	1	#6
	6	1	#6	-	-
	NEU	1	#6	-	-

N =	MB200			1	3"
	2/4	2	#6	1	#6
	6	1	#6	-	-
	NEU	1	#6	-	-

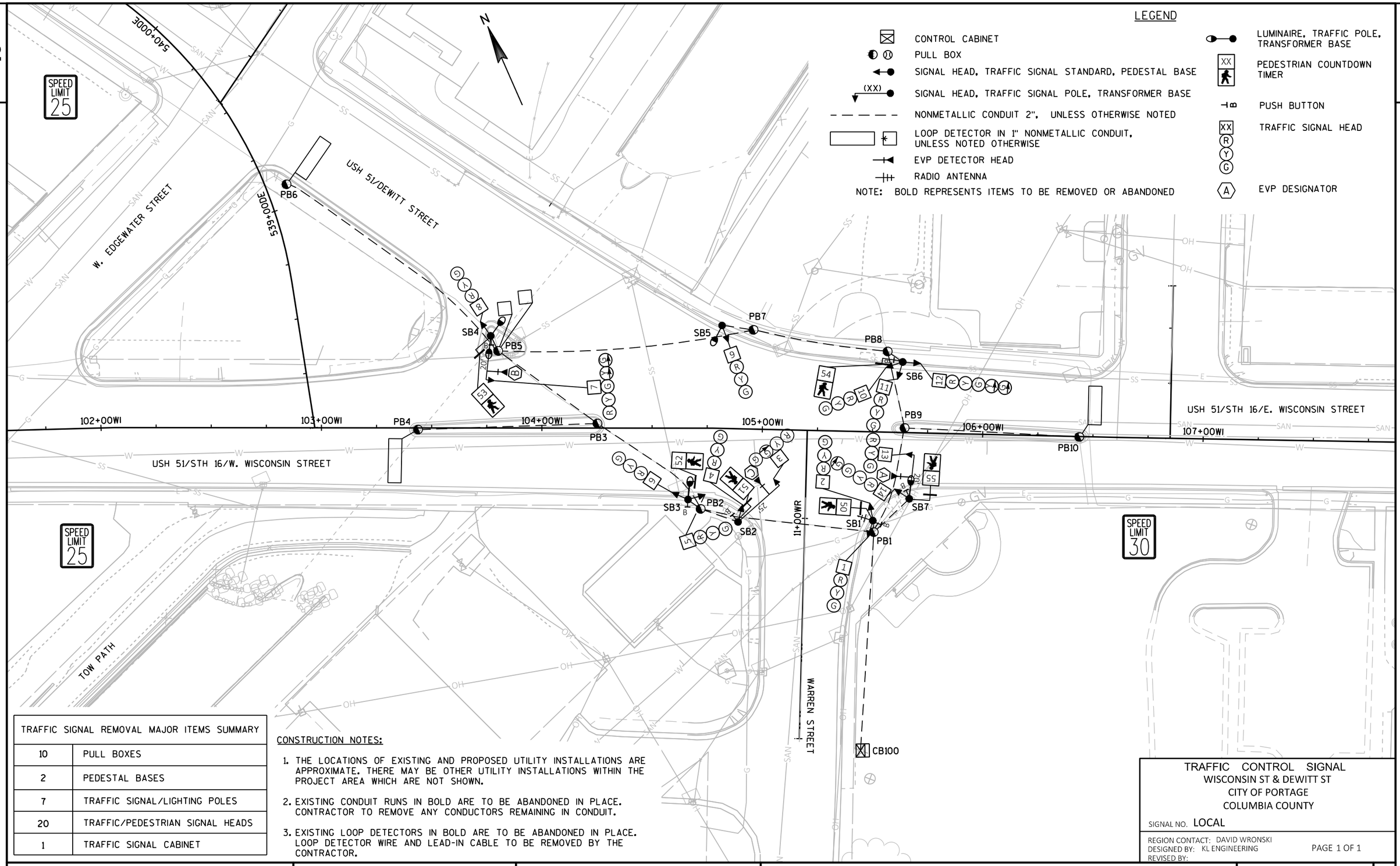
2

LEGEND

- CONTROL CABINET
- PULL BOX
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT, UNLESS NOTED OTHERWISE
- EVP DETECTOR HEAD
- RADIO ANTENNA

NOTE: BOLD REPRESENTS ITEMS TO BE REMOVED OR ABANDONED

- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- XX PEDESTRIAN COUNTDOWN TIMER
- PUSH BUTTON
- XX R Y G TRAFFIC SIGNAL HEAD
- A EVP DESIGNATOR



TRAFFIC SIGNAL REMOVAL MAJOR ITEMS SUMMARY	
10	PULL BOXES
2	PEDESTAL BASES
7	TRAFFIC SIGNAL/LIGHTING POLES
20	TRAFFIC/PEDESTRIAN SIGNAL HEADS
1	TRAFFIC SIGNAL CABINET

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
2. EXISTING CONDUIT RUNS IN BOLD ARE TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN CONDUIT.
3. EXISTING LOOP DETECTORS IN BOLD ARE TO BE ABANDONED IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.

TRAFFIC CONTROL SIGNAL
WISCONSIN ST & DEWITT ST
CITY OF PORTAGE
COLUMBIA COUNTY

SIGNAL NO. LOCAL

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

PAGE 1 OF 1

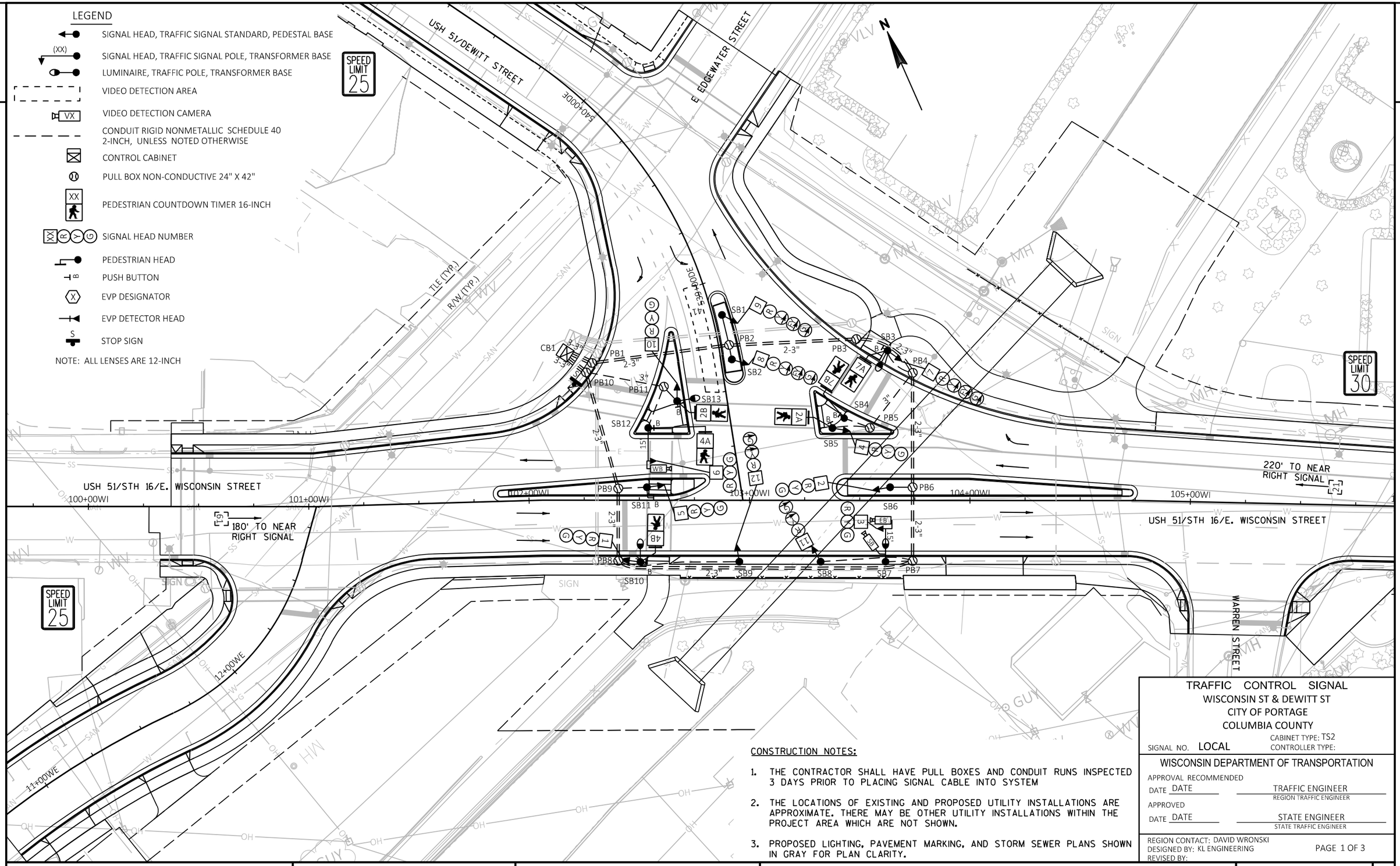
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 189	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\SIGNALS\024001-SR.DWG
LAYOUT NAME - 021201
PLOT DATE : 7/17/2020 12:52 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

LEGEND

- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- VIDEO DETECTION AREA
- VX VIDEO DETECTION CAMERA
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS NOTED OTHERWISE
- CONTROL CABINET
- PULL BOX NON-CONDUCTIVE 24" X 42"
- XX PEDESTRIAN COUNTDOWN TIMER 16-INCH
- SIGNAL HEAD NUMBER
- PEDESTRIAN HEAD
- B PUSH BUTTON
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- S STOP SIGN

NOTE: ALL LENSES ARE 12-INCH



CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL HAVE PULL BOXES AND CONDUIT RUNS INSPECTED 3 DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
3. PROPOSED LIGHTING, PAVEMENT MARKING, AND STORM SEWER PLANS SHOWN IN GRAY FOR PLAN CLARITY.

TRAFFIC CONTROL SIGNAL
WISCONSIN ST & DEWITT ST
CITY OF PORTAGE
COLUMBIA COUNTY

SIGNAL NO. LOCAL
CABINET TYPE: TS2
CONTROLLER TYPE:

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE DATE _____ TRAFFIC ENGINEER
REGION TRAFFIC ENGINEER

APPROVED
DATE DATE _____ STATE ENGINEER
STATE TRAFFIC ENGINEER

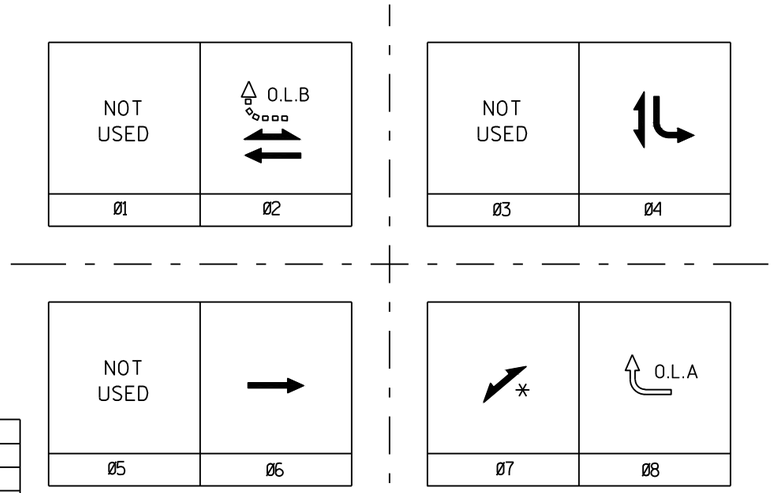
REGION CONTACT: DAVID WRONSKI
DESIGNED BY: KL ENGINEERING
REVISED BY:

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC SIGNAL PLAN	SHEET 190	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\SIGNALS\024201-SP.DWG
PLOT DATE : 7/21/2020 10:16 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

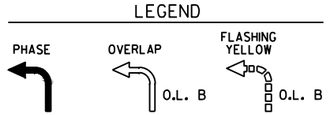
	HEAD NUMBERS	FLASH
Ø1		
Ø2	4-6	R
Ø3		
Ø4	10-12	R
Ø5		
Ø6	1-3	R
Ø7		
Ø8		
Ø2 PED	2A,2B	
Ø4 PED	4A,4B	
Ø6 PED		
Ø7 PED	7A,7B	

O.L.	ASSIGNMENTS	FLASH
OLA	Ø8	-
OLB	Ø2	R
OLC		
OLD		
OLE		
OLF		
OLG		
OLH		



* PHASE 7 SHALL BE OMMITTED IN THE ABSENCE OF A PEDESTRIAN CALL

LEGEND



GENERAL NOTES:

1. * PHASE 7 SHALL BE OMITTED IN THE ABSENCE OF A PEDESTRIAN CALL.

CONTROLLER LOGIC

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

TYPE OF INTERCONNECT	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

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

* WISDOT OWNS AND OPERATES THE LIGHTING UNITS ON THE SIGNAL MAST ARMS

PREEMPTION ASSIGNMENTS

PREEMPTION DESIGNATION	PREEMPTION TYPE	EVP CHANNEL	PHASE(S) CALLED	PREEMPTED APPROACH
1	RESERVED			
2	RESERVED			
3	NOT USED			
4	NOT USED			
5	NOT USED			
6	NOT USED			
7	NOT USED			
8	NOT USED			
9	NOT USED			
10	NOT USED			

DETECTOR LOGIC

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

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

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

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

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

TYPE OF REMOTE COMMUNICATION	
NONE	X
FIBER	
CELL MODEM	
PHONE	

TRAFFIC CONTROL SIGNAL
WISCONSIN ST & DEWITT ST
CITY OF PORTAGE
COLUMBIA COUNTY

SIGNAL NO. LOCAL

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

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC SIGNAL PLAN	SHEET 191	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\SIGNALS\024201-SP.DWG
PLOT DATE : 7/21/2020 10:16 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

PROJECT NO:	6918-01-72
INTERSECTION:	WISCONSIN ST & DEWITT ST

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

DATE:	Jul-20

CB1 TO	NO. OF CONDUCTORS	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
				RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB1	9	9	O.L.A/O.L.B	RED				ORG	GRN	GRN/BLK				
SB2	9	8	O.L.A/O.L.B	RED				ORG	GRN	GRN/BLK				
SB3	9	7	O.L.A/O.L.B	RED				ORG	GRN	GRN/BLK				
		7A	7								BLK	BLU		
		BUTTON	7										WHT/BLK	
SB4	9	7B	7								BLK	BLU		
		BUTTON	7										WHT/BLK	
SB5	9	4	2	RED	ORG	GRN								
		2A	2								BLK	BLU		
		BUTTON	2										WHT/BLK	
SB6	5	2	6	RED	ORG	GRN								
SB7	5	3	6	RED	ORG	GRN								
SB8	5	11	4	RED				ORG	GRN					
SB9	S	12	4	RED				ORG	GRN					
SB10	9	1	6	RED	ORG	GRN								
		4B	4								BLK	BLU		
		BUTTON	4										WHT/BLK	
SB11	9	5	2	RED	ORG	GRN								
		BUTTON	4										WHT/BLK	
SB12	9	6	2	RED	ORG	GRN								
		4A	4								BLK	BLU		
		BUTTON	4										WHT/BLK	
SB13	9	10	4	RED	ORG	GRN								
		2B	2								BLK	BLU		
		BUTTON	2										WHT/BLK	

EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	SB13
SB13	CB1

LIGHTING UF 10 AWG W/ GROUND	
FROM	TO
CB1	SB3
SB3	SB7
CB1	SB13
SB13	SB10

CAT-5e CABLE FOR VIDEO DETECTION		
CAMERA	FROM	TO
EB	CB1	SB7
SB	CB1	SB7
WB	CB1	SB12

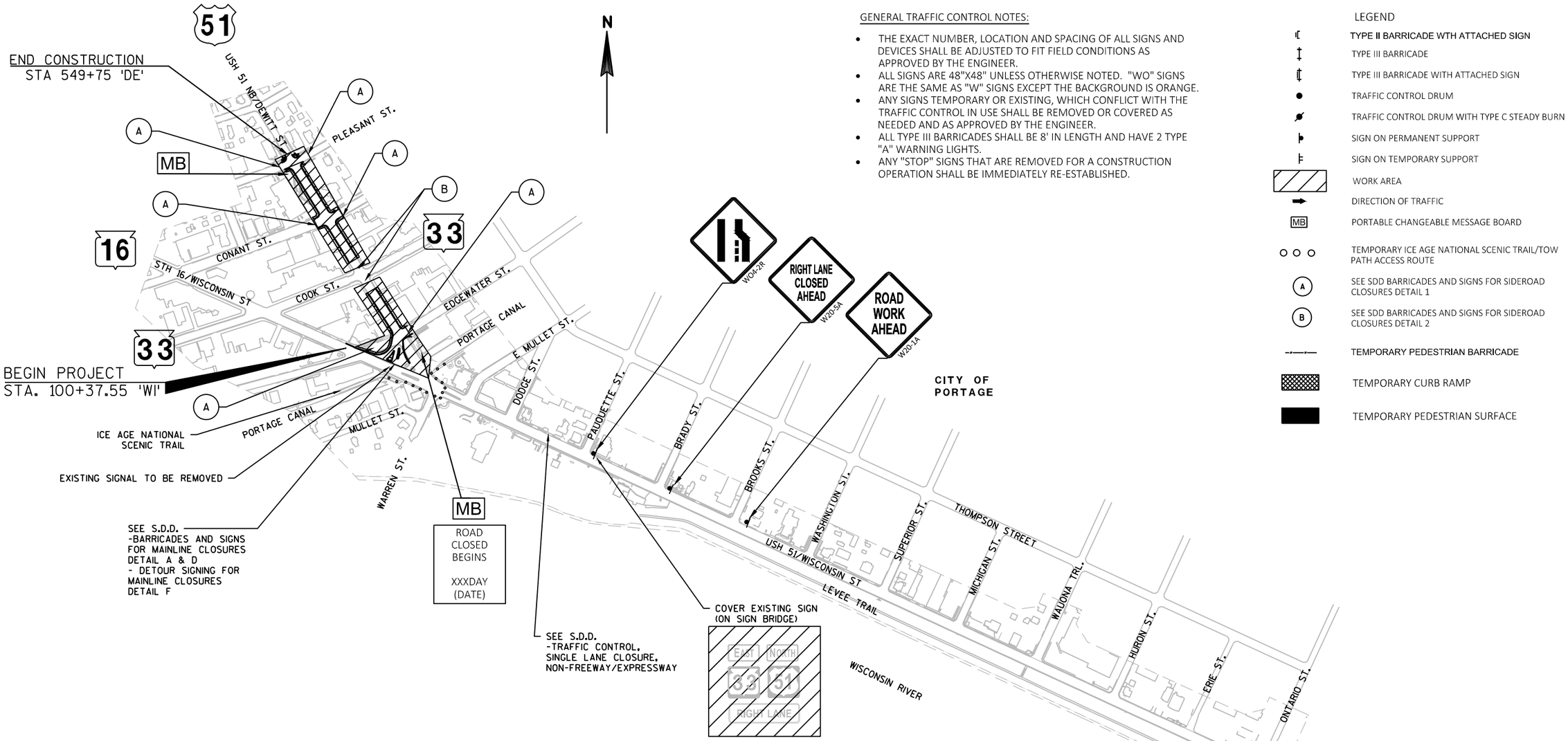
TRAFFIC CONTROL SIGNAL
WISCONSIN ST & DEWITT ST
CITY OF PORTAGE
COLUMBIA COUNTY

SIGNAL NO. LOCAL

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

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC SIGNAL PLAN	SHEET 192	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\SIGNALS\024201-SP.DWG PLOT DATE : 7/21/2020 10:16 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



N

GENERAL TRAFFIC CONTROL NOTES:

- THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. "WO" SIGNS ARE THE SAME AS "W" SIGNS 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.
- ALL TYPE III BARRICADES SHALL BE 8' IN LENGTH AND HAVE 2 TYPE "A" WARNING LIGHTS.
- ANY "STOP" SIGNS THAT ARE REMOVED FOR A CONSTRUCTION OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED.

LEGEND

- TYPE II BARRICADE WTH ATTACHED SIGN
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- TEMPORARY ICE AGE NATIONAL SCENIC TRAIL/TOW PATH ACCESS ROUTE
- A — SEE SDD BARRICADES AND SIGNS FOR SIDEROAD CLOSURES DETAIL 1
- B — SEE SDD BARRICADES AND SIGNS FOR SIDEROAD CLOSURES DETAIL 2
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE

USH 51 - STAGE 1

CONSTRUCTION OPERATIONS:

- CONSTRUCT USH 51 NB (DEWITT STREET) BETWEEN WISCONSIN STREET AND EAST PLEASANT STREET DURING 4 PHASES.

TRAFFIC OPERATIONS:

- USH 51 NB (DEWITT STREET) BETWEEN WISCONSIN STREET AND PLEASANT STREET WILL BE CLOSED TO THROUGH TRAFFIC.
- DEWITT STREET WILL BE DETOURED ALONG STH 16 THROUGH THE CITY OF PORTAGE AND IH 39.
- SIGNAL AT THE INTERSECTION OF WISCONSIN STREET AND DEWITT STREET TO BE REMOVED. WARREN STREET TO BECOME A "STOP" CONDITION.
- STH 33 (COOK STREET) WILL REMAIN OPEN AT ALL TIMES.
- SIGNAL AT COOK STREET AND DEWITT STREET TO BE REPROGRAMMED FOR PEDESTRIAN CALL ONLY.

PEDESTRIAN ACCOMMODATIONS GENERAL NOTES:

- COORDINATE ALL SIDEWALK REMOVALS IN EACH PHASE TO MAINTAIN PEDESTRIAN ACCESS, AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR WILL COORDINATE WITH LOCAL BUSINESSES WHEN ACCESS TO THE BUSINESS WILL BE CLOSED OFF FOR SIDEWALK INSTALLATION AND ANY OTHER WORK THAT MAY IMPACT PEDESTRIAN ACCESS.
- MAINTAIN AN ADA ACCESSIBLE PEDESTRIAN ACCESS, 5-FT WIDE DESIRABLE (4-FT MINIMUM) ON EITHER THE EXISTING SIDEWALK OR A TEMPORARY SIDEWALK SURFACE TO ALL BUSINESS AND RESIDENTIAL ENTRANCES WITHIN THE WORK ZONE.
- PROVIDE PROTECTION FROM ANY DROP-OFF EXCEEDING 6-INCHES AND INSTALL A TEMPORARY PEDESTRIAN BARRICADE BETWEEN THE PEDESTRIAN ACCESS AND THE WORK ZONE.
- PROVIDE A SINGLE TEMPORARY CROSSWALK AT EVERY OTHER INTERSECTION TO ALLOW PEDESTRIAN PASSAGE ACROSS THE USH 51 WORK ZONE.
- SEE SDD "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" FOR FURTHER DETAILS.

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - STAGE 1 OVERVIEW	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\026101-TC-STAGE 1 OVERVIEW.DWG
LAYOUT NAME - ****
PLOT DATE : 9/29/2020 8:05 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:500 FT

2

2

MATCH LINE A

MULLETT STREET

TEMPORARY MARKING
LINE PAINT 4-INCH (WHITE)

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

LANE CLOSED
R11-2L
48"X30"

STOP
R1-1
30"X30"

(USH 51) WISCONSIN STREET

TEMPORARY MARKING
LINE PAINT 4-INCH (WHITE)

DODGE STREET

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

25'

SIGN

SIGN

WO1-6
48"X24"

PAUQUETTE STREET

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - STAGE 1	SHEET 194	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\026101-TC-STAGE 1A.DWG
LAYOUT NAME - ****

PLOT DATE : 7/6/2020 2:08 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

ROAD CLOSED
R11-2
48"X30"

EDGEWATER STREET

TEMPORARY MARKING
LINE PAINT 4-INCH (WHITE)

R3-2
24"X24"

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
48"X30"

MARKING REMOVAL
LINE WIDE "STOPBAR"

(USH 51) WISCONSIN STREET

EXISTING SIDEWALK TO
REMAIN DURING STAGE 1A

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
48"X30"

MARKING REMOVAL
LINE 8-INCH "CROSS WALK"

WARREN STREET

STOP
R1-1
30"X30"

SIDEWALK CLOSED
R9-9
24"X12"

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED
R11-2
48"X30"

DEWITT STREET

540+00

542+00

25'

EXISTING SIGNALS
TO BE REMOVED

ROAD CLOSED
R11-2
48"X30"

USE CROSSWALK
R9-3BR
18"X12"

USE CROSSWALK
R9-3BL
18"X12"

ROAD CLOSED
R11-2
48"X30"

MATCH LINE STA 543+00 'DE'

EXISTING SIDEWALK TO
REMAIN DURING STAGE 1A

TEMPORARY CURB RAMP (TYP.)

TEMPORARY PEDESTRIAN BARRICADE (TYP.)

LANE CLOSED
R11-2L
48"X30"

MARKING REMOVAL
LINE WIDE "STOPBAR"

EDGEWATER STREET

ROAD CLOSED
R11-2
48"X30"

COOK STREET

MATCH LINE A

MULLETT STREET

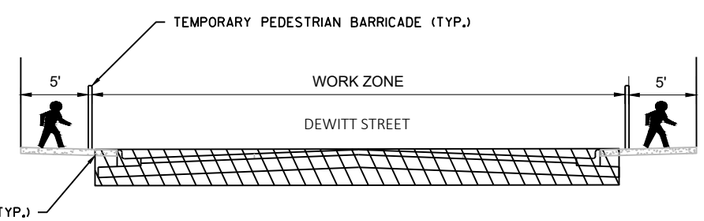
STOP
R1-1
30"X30"

R3-1
24"X24"

ROAD CLOSED AHEAD
W20-3A

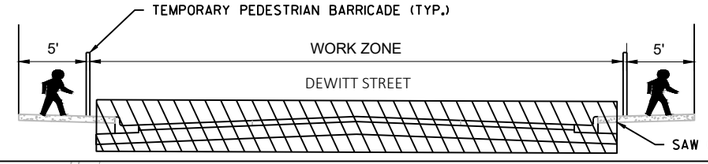
*PLACE AT ADAMS ST

SIDEWALK DIRECTLY ADJACENT TO THE EXISTING BUILDINGS ON DEWITT STREET
WILL REMAIN IN PLACE DURING CONSTRUCTION OF THE ROADWAY PAVEMENT (STAGE 1A).



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - STAGE 1A	SHEET 195	E

SIDEWALK DIRECTLY ADJACENT TO THE EXISTING BUILDINGS ON DEWITT STREET
WILL REMAIN IN PLACE DURING CONSTRUCTION OF THE ROADWAY PAVEMENT (STAGE 1A).



2

2

MATCH LINE STA 543+00 'DE'

COOK STREET

DEWITT STREET

CONANT STREET

PLEASANT STREET

544+00

546+00

548+00

550+00

*PLACE AT WISCONSIN STREET

ROAD CLOSED AHEAD W20-3A

ROAD CLOSED R11-2 48"X30"

TEMPORARY CURB RAMP (TYP.)

TEMPORARY PEDESTRIAN BARRICADE (TYP.)

USE CROSSWALK R9-3BL 18"X12"

USE CROSSWALK R9-3BR 18"X12"

SIDEWALK CLOSED AHEAD CROSS HERE R9-11 48"X30"

*PLACE AT ADAMS STREET

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - STAGE 1A	SHEET 196 E

2

2

N

R3-2
24"X24"

TEMPORARY MARKING
LINE PAINT 4-INCH (WHITE)

ROAD CLOSED
R11-2
48"X30"

SIDEWALK CLOSED
CROSS HERE
R9-11A
48"X24"

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED
R11-2
48"X30"

WARREN STREET

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
48"X30"

(USH 51) WISCONSIN STREET

STOP
R1-1
30"X30"

TEMPORARY CURB
RAMP (TYP.)

540

DEWITT STREET

25'

TEMPORARY PEDESTRIAN
BARRICADE (TYP.)

ROAD CLOSED
R11-2
48"X30"

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED
R9-9
24"X12"

ROAD CLOSED
R11-2
48"X30"

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
48"X30"

EDGEWATER STREET

ROAD CLOSED
R11-2
48"X30"

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
48"X30"

COOK STREET

MATCH LINE STA 543+00 'DE'

LANE CLOSED
R11-2L
48"X30"

MATCH LINE A

MULLETT STREET

STOP
R1-1
30"X30"

R3-1
24"X24"

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
48"X30"

*PLACE AT INTERSECTION OF
EDGEWATER & ADAMS ST.

ROAD CLOSED AHEAD
W20-3A

*PLACE AT ADAMS ST

TEMPORARY PEDESTRIAN BARRICADE (TYP.)
*FROM STAGE 1A

5'

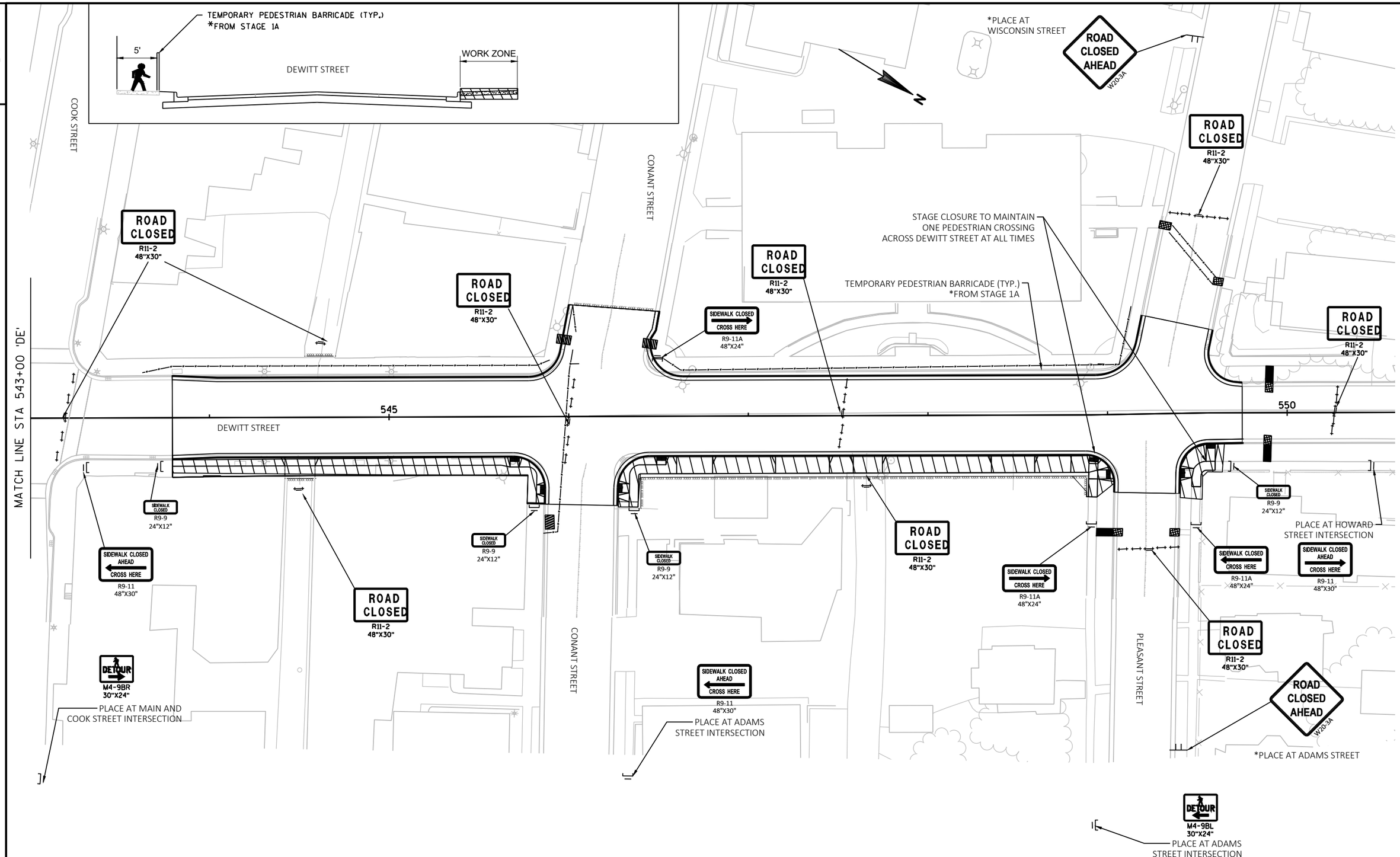
DEWITT STREET

WORK ZONE

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - STAGE 1B	SHEET 197	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\026101-TC-STAGE 1B.DWG
LAYOUT NAME - ****

PLOT DATE : 7/6/2020 2:10 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:50 FT



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - STAGE 1B	SHEET 198	E

2

2

N

TEMPORARY MARKING
LINE PAINT 4-INCH (WHITE)

R3-2
24"X24"

ROAD CLOSED
R11-2
48"X30"

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
48"X30"

WARREN STREET

(USH 51) WISCONSIN STREET

STOP
R1-1
30"X30"

25'

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED
CROSS HERE
R9-11A
48"X24"

ROAD CLOSED
R11-2
48"X30"

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
48"X30"

SIDEWALK CLOSED
R9-9
24"X12"

540

DEWITT STREET

ROAD CLOSED
R11-2
48"X30"

LANE CLOSED
R11-2L
48"X30"

R3-1
24"X24"

STOP
R1-1
30"X30"

MULLET STREET

EDGEWATER STREET

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED AHEAD
W20-3A

*PLACE AT ADAMS ST

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED
R11-2
48"X30"

COOK STREET

MATCH LINE STA 543+00 'DE'

WORK ZONE

DEWITT STREET

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - STAGE 1C	SHEET 199	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\026101-TC-STAGE 1C.DWG
LAYOUT NAME - ****

PLOT DATE : 7/6/2020 2:12 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA 543+00 'DE'

DETOUR
M4-9BL
30"X24"

PLACE AT COOK STREET

COOK STREET

CONANT STREET

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
48"X30"

PLACE AT CLARK
STREET INTERSECTION

*PLACE AT
WISCONSIN STREET

ROAD
CLOSED
AHEAD
W20-3A

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
48"X30"

PLACE AT WISCONSIN
STREET INTERSECTION

ROAD
CLOSED
R11-2
48"X30"

SIDEWALK
CLOSED
R9-9
24"X12"

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
48"X30"

PLACE AT HOWARD
STREET INTERSECTION

STAGE CLOSURE TO MAINTAIN
ONE PEDESTRIAN CROSSING
ACROSS DEWITT STREET AT ALL TIMES

545

550

DEWITT STREET

PLEASANT STREET

*PLACE AT ADAMS STREET

WORK ZONE

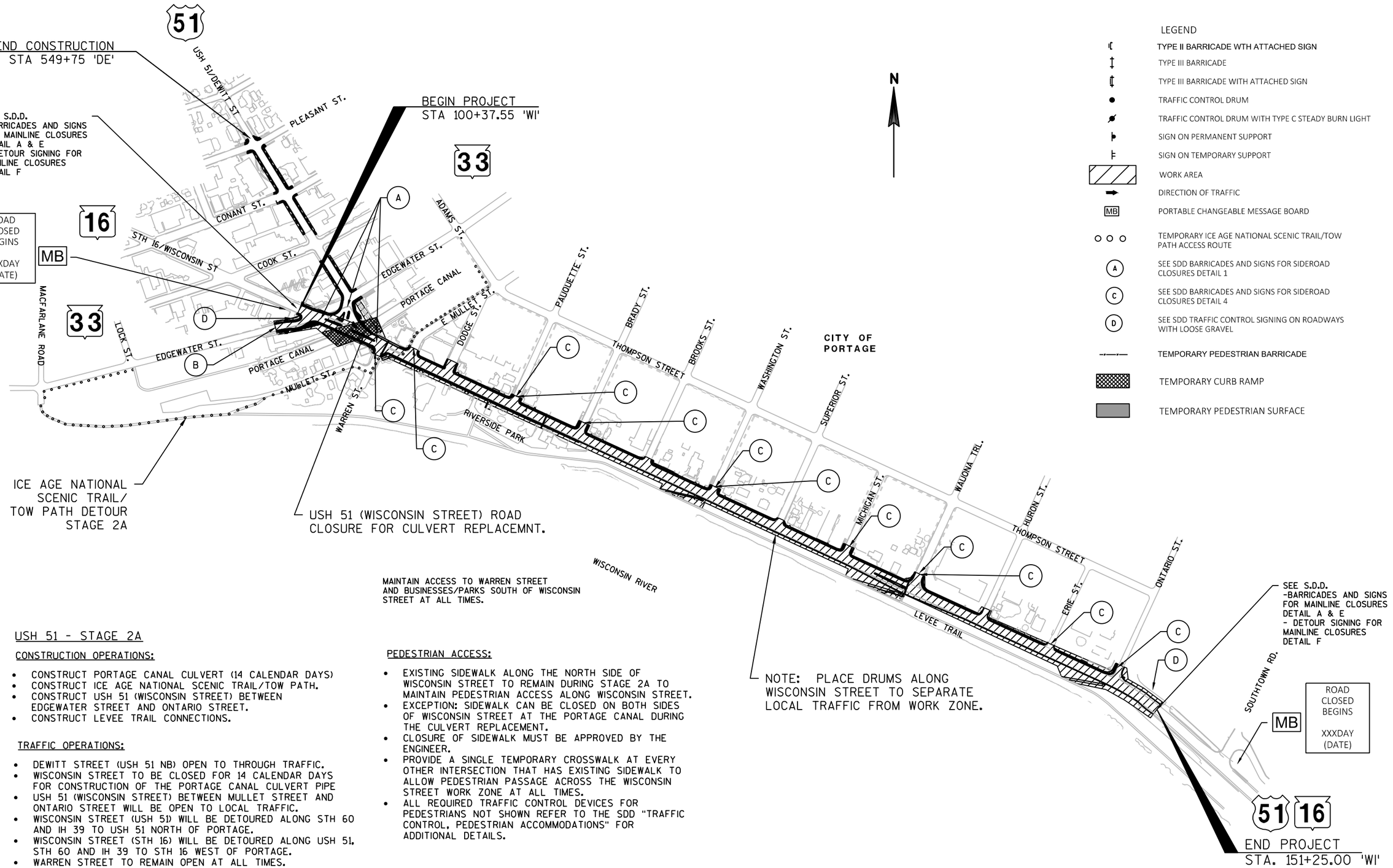
DEWITT STREET

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - STAGE 1C	SHEET 200	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\026101-TC-STAGE 1C.DWG
LAYOUT NAME - ****

PLOT DATE : 7/6/2020 2:12 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42



USH 51 - STAGE 2A

CONSTRUCTION OPERATIONS:

- CONSTRUCT PORTAGE CANAL CULVERT (14 CALENDAR DAYS)
- CONSTRUCT ICE AGE NATIONAL SCENIC TRAIL/TOW PATH.
- CONSTRUCT USH 51 (WISCONSIN STREET) BETWEEN EDGEWATER STREET AND ONTARIO STREET.
- CONSTRUCT LEVEE TRAIL CONNECTIONS.

TRAFFIC OPERATIONS:

- DEWITT STREET (USH 51 NB) OPEN TO THROUGH TRAFFIC.
- WISCONSIN STREET TO BE CLOSED FOR 14 CALENDAR DAYS FOR CONSTRUCTION OF THE PORTAGE CANAL CULVERT PIPE
- USH 51 (WISCONSIN STREET) BETWEEN MULLET STREET AND ONTARIO STREET WILL BE OPEN TO LOCAL TRAFFIC.
- WISCONSIN STREET (USH 51) WILL BE DETOURED ALONG STH 60 AND IH 39 TO USH 51 NORTH OF PORTAGE.
- WISCONSIN STREET (STH 16) WILL BE DETOURED ALONG USH 51, STH 60 AND IH 39 TO STH 16 WEST OF PORTAGE.
- WARREN STREET TO REMAIN OPEN AT ALL TIMES.

PEDESTRIAN ACCESS:

- EXISTING SIDEWALK ALONG THE NORTH SIDE OF WISCONSIN STREET TO REMAIN DURING STAGE 2A TO MAINTAIN PEDESTRIAN ACCESS ALONG WISCONSIN STREET.
- EXCEPTION: SIDEWALK CAN BE CLOSED ON BOTH SIDES OF WISCONSIN STREET AT THE PORTAGE CANAL DURING THE CULVERT REPLACEMENT.
- CLOSURE OF SIDEWALK MUST BE APPROVED BY THE ENGINEER.
- PROVIDE A SINGLE TEMPORARY CROSSWALK AT EVERY OTHER INTERSECTION THAT HAS EXISTING SIDEWALK TO ALLOW PEDESTRIAN PASSAGE ACROSS THE WISCONSIN STREET WORK ZONE AT ALL TIMES.
- ALL REQUIRED TRAFFIC CONTROL DEVICES FOR PEDESTRIANS NOT SHOWN REFER TO THE SDD "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS" FOR ADDITIONAL DETAILS.

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - STAGE 2A OVERVIEW	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\026101-TC-STAGE 2A OVERVIEW.DWG
LAYOUT NAME - ****
PLOT DATE : 9/29/2020 8:06 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 42

2

2

N

USH 51 (WISCONSIN STREET) CLOSED
FOR CULVERT REPLACEMENT

SIDEWALK CLOSED AHEAD
R9-11 (MOD)
48"X24"

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED AHEAD
R9-11 (MOD)
48"X24"

DETOUR
M4-9AL
30"X24"

DETOUR
M4-9AR
30"X24"

ADAMS STREET
THOMPSON STREET
DEWITT STREET
COOK STREET
WISCONSIN STREET
EDGEWATER STREET
PORTAGE CANAL
MULLET STREET
W MULLET STREET
DODGE STREET
WARREN ST
112+00.00 MATCH LINE
LOCK STREET
MACFARLANE ROAD
ICE AGE NATIONAL SCENIC TRAIL/
PORTAGE CANAL TOW PATH
LEVEE TRAIL

NOTE: DETOUR UNTIL PORTAGE CANAL CULVERT AND ICE AGE NATIONAL SCENIC TRAIL AND TOW PATH ARE COMPLETE

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	ICE AGE NATIONAL SCENIC TRAIL AND TOW PATH DETOUR - STAGE 2A	SHEET 202	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\026101-TC-STAGE 2A.DWG
LAYOUT NAME - PED DETOUR

PLOT DATE : 7/6/2020 2:22 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

2

USH 51 (WISCONSIN STREET) CLOSED
FOR CULVERT REPLACEMENT

ROAD CLOSED AHEAD
W20-3A

THOMPSON STREET

N

EDGEWATER STREET

PORTAGE CANAL

ICE AGE NATIONAL SCENIC TRAIL/
PORTAGE CANAL TOW PATH

MULLET STREET

DODGE STREET

DETOUR
M4-9BL
30"X24"

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

ROAD CLOSED
R11-2
48"X30"

TEMPORARY PEDESTRIAN BARRICADE (TYP.)

EXISTING SIDEWALK TO REMAIN STAGE 2A (TYP.)

SIDEWALK CLOSED
R9-9
24"X12"

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

ROAD CLOSED
R11-2
48"X30"

98+00 99+00 100+00 101+00 102+00 103+00 104+00 105+00 106+00 107+00 108+00 109+00 110+00 111+00 112+00

WISCONSIN STREET

MATCH LINE STA 112+00 'WI'

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

SIDEWALK CLOSED CROSS HERE
R9-11A
48"X24"

MAINTAIN ACCESS TO DRIVEWAY

SIDEWALK CLOSED
R9-9
24"X12"

ROAD CLOSED
R11-2
48"X30"

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED
R9-9
24"X12"

DETOUR
M4-9BR
30"X24"

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

ROAD CLOSED
R11-2
48"X30"

SIDEWALK CLOSED USE OTHER SIDE
R9-10
48"X24"

COOK STREET

DEWITT STREET

ICE AGE NATIONAL SCENIC TRAIL/
PORTAGE CANAL TOW PATH

PORTAGE CANAL

W MULLET STREET

WARREN STREET

ROAD CLOSED AHEAD
W20-3A

*PLACE AT LOCK STREET

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - STAGE 2A	SHEET 203	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\026101-TC-STAGE 2A.DWG
LAYOUT NAME - Sheet - (1)

PLOT DATE : 7/6/2020 2:22 PM

PLOT BY : KL ENGINEERING

PLOT NAME :

PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

THOMPSON STREET

PAUQUETTE STREET

BRADY STREET

BROOKS STREET

WASHINGTON STREET

SIDEWALK CLOSED AHEAD
R9-11 (MOD)
48"X24"

ROAD CLOSED AHEAD
W20-3A

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

SIDEWALK CLOSED USE OTHER SIDE
R9-10
48"X24"

ROAD CLOSED
R11-2
48"X30"

EXISTING SIDEWALK TO REMAIN STAGE 2A (TYP.)

TEMPORARY PEDESTRIAN BARRICADE (TYP.)

DETOUR
M4-9BL
30"X24"

LEVEE TRAIL

MATCH LINE STA 112+00 'WI'

MATCH LINE STA 127+00 'WI'

112+00 113+00 114+00 115+00 116+00 117+00 118+00 119+00 120+00 121+00 122+00 123+00 124+00 125+00 126+00 127

N

THOMPSON STREET

ROAD CLOSED AHEAD
W20-3A

SUPERIOR STREET

ROAD CLOSED AHEAD
W20-3A

MICHIGAN STREET

ROAD CLOSED AHEAD
W20-3A

WAUONA TRAIL

SIDEWALK CLOSED AHEAD
R9-11 (MOD)
48"X24"

ROAD CLOSED AHEAD
W20-3A

HURON STREET

N

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

EXISTING SIDEWALK TO REMAIN STAGE 2A (TYP.)

ROAD CLOSED
R11-2
48"X30"

TEMPORARY PEDESTRIAN BARRICADE (TYP.)

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

SIDEWALK CLOSED USE OTHER SIDE
R9-10
48"X24"

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

MATCH LINE STA 127+00 'WI'

+00 128+00 129+00 130+00 131+00 132+00 133+00 134+00 135+00 136+00 137+00 138+00 139+00 140+00 141+00 142

MATCH LINE STA 142+00 'WI'

LEVEE TRAIL

TEMPORARY PEDESTRIAN BARRICADE (TYP.)

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - STAGE 2A	SHEET 205	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\026101-TC-STAGE 2A.DWG
LAYOUT NAME - Sheet - (3)

PLOT DATE : 7/6/2020 2:23 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

THOMPSON STREET

ERIE STREET

ONTARIO STREET

ROAD CLOSED AHEAD
W20-3A

ROAD CLOSED AHEAD
W20-3A

SIDEWALK CLOSED AHEAD
R9-11 (MOD)
48"X24"

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

SIDEWALK CLOSED
R9-9
24"X12"

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

N

MATCH LINE STA 142+00 'WI'

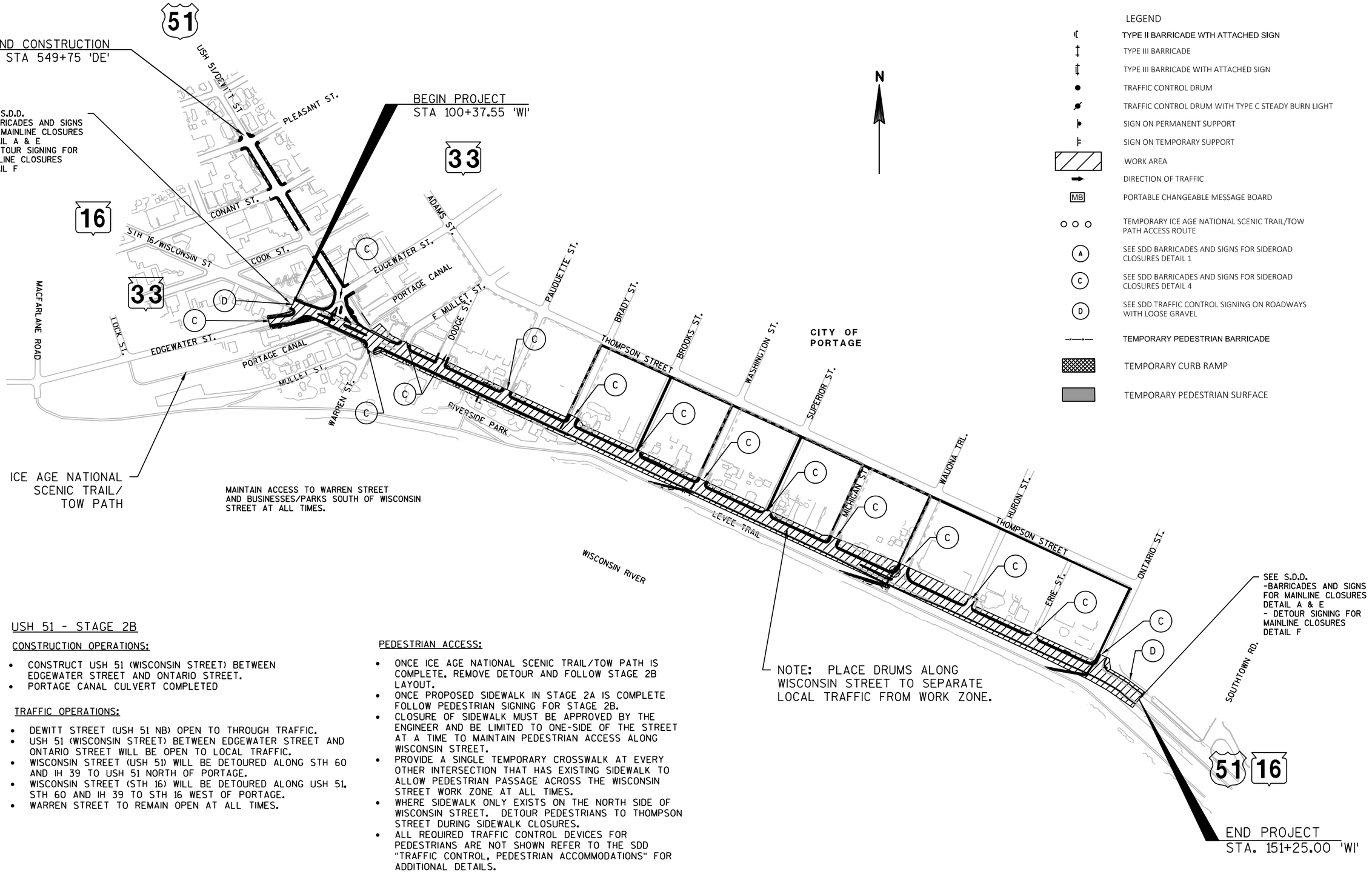
143+00 144+00 145+00 146+00 147+00 148+00 149+00 150+00 151+00 152+00 153+00 154+00 155+00 156+00 157+00

LEVEE TRAIL

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - STAGE 2A	SHEET 206	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\026101-TC-STAGE 2A.DWG
LAYOUT NAME - Sheet - (4)

PLOT DATE : 7/6/2020 2:23 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT



USH 51 - STAGE 2B

CONSTRUCTION OPERATIONS:

- CONSTRUCT USH 51 (WISCONSIN STREET) BETWEEN EDGEWATER STREET AND ONTARIO STREET.
- PORTAGE CANAL CULVERT COMPLETED

TRAFFIC OPERATIONS:

- DEWITT STREET (USH 51 NB) OPEN TO THROUGH TRAFFIC.
- USH 51 (WISCONSIN STREET) BETWEEN EDGEWATER STREET AND ONTARIO STREET WILL BE OPEN TO LOCAL TRAFFIC.
- WISCONSIN STREET (USH 51) WILL BE DETOURED ALONG STH 60 AND IH 39 TO USH 51 NORTH OF PORTAGE.
- WISCONSIN STREET (STH 16) WILL BE DETOURED ALONG USH 51, STH 60 AND IH 39 TO STH 16 WEST OF PORTAGE.
- WARREN STREET TO REMAIN OPEN AT ALL TIMES.

PEDESTRIAN ACCESS:

- ONCE ICE AGE NATIONAL SCENIC TRAIL/TOW PATH IS COMPLETE, REMOVE DETOUR AND FOLLOW STAGE 2B LAYOUT.
- ONCE PROPOSED SIDEWALK IN STAGE 2A IS COMPLETE FOLLOW PEDESTRIAN SIGNING FOR STAGE 2B.
- CLOSURE OF SIDEWALK MUST BE APPROVED BY THE ENGINEER AND BE LIMITED TO ONE-SIDE OF THE STREET AT A TIME TO MAINTAIN PEDESTRIAN ACCESS ALONG WISCONSIN STREET.
- PROVIDE A SINGLE TEMPORARY CROSSWALK AT EVERY OTHER INTERSECTION THAT HAS EXISTING SIDEWALK TO ALLOW PEDESTRIAN PASSAGE ACROSS THE WISCONSIN STREET WORK ZONE AT ALL TIMES.
- WHERE SIDEWALK ONLY EXISTS ON THE NORTH SIDE OF WISCONSIN STREET. DETOUR PEDESTRIANS TO THOMPSON STREET DURING SIDEWALK CLOSURES.
- ALL REQUIRED TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE NOT SHOWN REFER TO THE SDD "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS" FOR ADDITIONAL DETAILS.

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - STAGE 2B OVERVIEW	SHEET 207	E

2

2

N

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
48"X30"

*PLACE AT THOMPSON STREET

ROAD CLOSED AHEAD
W20-3A

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

ROAD CLOSED
R11-2
48"X30"

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED USE OTHER SIDE
R9-10
48"X24"

EDGEWATER STREET
DEWITT STREET
COOK STREET
PORTAGE CANAL
MULLET STREET
DODGE STREET
WISCONSIN STREET
100
105
110
WARREN STREET
W MULLET STREET
ICE AGE NATIONAL SCENIC TRAIL/
PORTAGE CANAL TOW PATH

MATCH LINE STA 112+00 'WI'

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - STAGE 2B	SHEET 208	E

2

N

THOMPSON STREET

PAUQUETTE STREET

BRADY STREET

BROOKS STREET

WASHINGTON STREET

SIDEWALK CLOSED AHEAD
R9-11 (MOD)
48"X24"

ROAD CLOSED AHEAD
W20-3A

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

ROAD CLOSED
R11-2
48"X30"

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED USE OTHER SIDE
R9-10
48"X24"

115

120

125

LEVEE TRAIL

MATCH LINE STA 112+00 'WI'

MATCH LINE STA 127+00 'WI'

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - STAGE 2B	SHEET 209	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\026101-TC-STAGE 2B.DWG
LAYOUT NAME - Sheet - (2)

PLOT DATE : 7/6/2020 2:29 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

THOMPSON STREET

SUPERIOR STREET

MICHIGAN STREET

WAUONA TRAIL

HURON STREET

N

ROAD CLOSED AHEAD
W20-3A

SIDEWALK CLOSED AHEAD
R9-11 (MOD)
48"X24"

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

SIDEWALK CLOSED
R9-9
24"X12"

MATCH LINE STA 127+00 'WI'

MATCH LINE STA 142+00 'WI'

130

135

140

LEVEE TRAIL

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - STAGE 2B	SHEET 210	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\026101-TC-STAGE 2B.DWG
LAYOUT NAME - Sheet - (3)

PLOT DATE : 7/6/2020 2:29 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

THOMPSON STREET

ERIE STREET

ONTARIO STREET

ROAD CLOSED AHEAD
W20-3A

ROAD CLOSED AHEAD
W20-3A

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

145

150

155

LEVEE TRAIL

MATCH LINE STA 142+00 'WI'

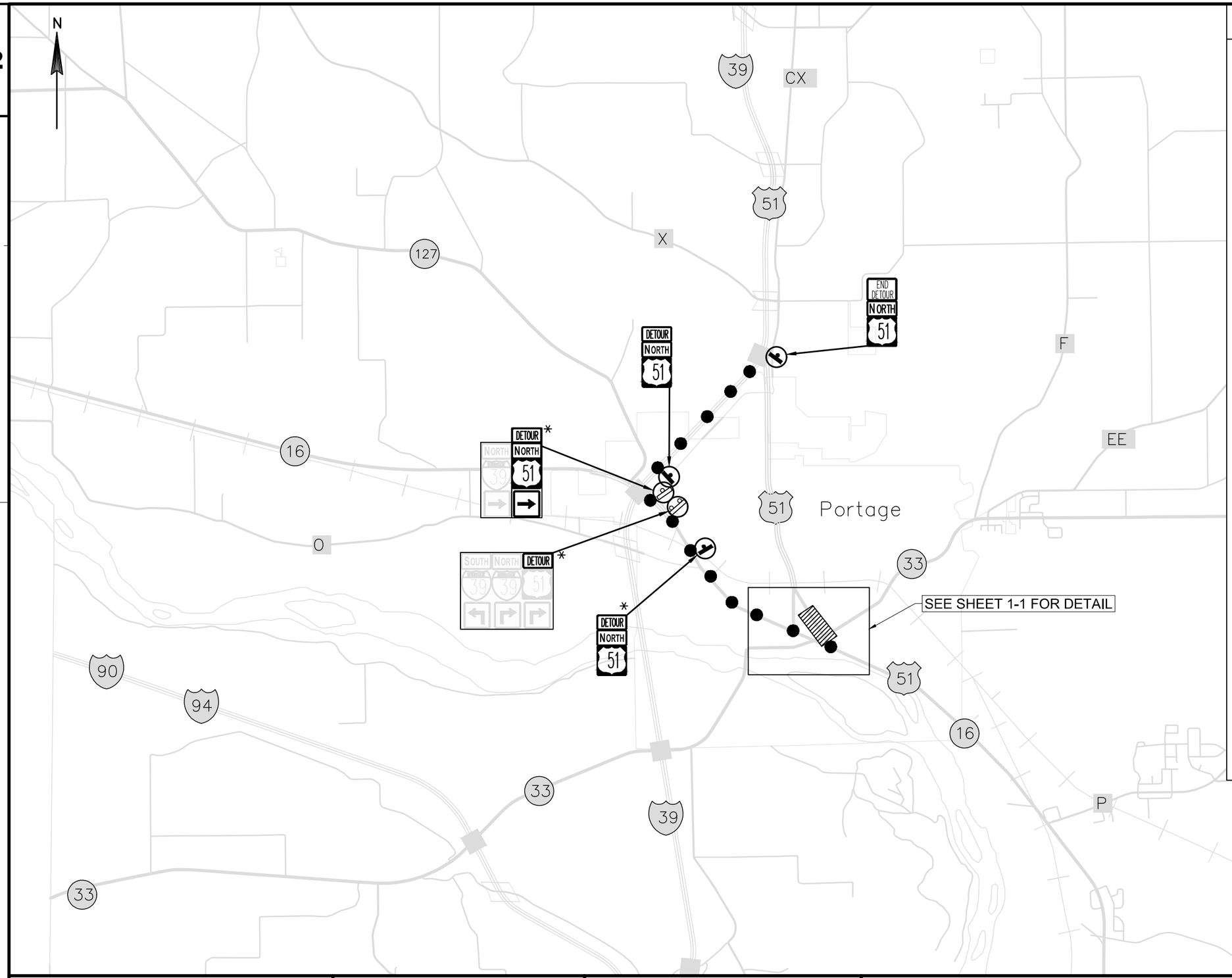
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - STAGE 2B	SHEET 211	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\026101-TC-STAGE 2B.DWG
LAYOUT NAME - Sheet - (4)

PLOT DATE : 7/6/2020 2:29 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42



* SIZE 2 SIGN

LEGEND

	STAGE 1 WORK ZONE USH 51 (DEWITT STREET)	
	DETOUR ROUTE	
	EXISTING SIGN MOUNTED ON POST(S)	
	PROPOSED SIGN MOUNTED ON POST(S)	
DETOUR NEXTXX MILES	G20-51	60"X24"
XX	M1-4	36"X36" *24"X24"
XX	M1-6	36"X36" *24"X24"
NORTH EAST SOUTH WEST	M3-1/M3-2/M3-3/M3-4	36"X18" *24"X12"
DETOUR	M4-8	36"X18" *24"X12"
END DETOUR	M4-8-A	30"X24" *24"X18"
	M05-1L/M05-1R	30"X30" *21"X21"
	M05-2L/M05-2R	30"X30"
	M06-1	30"X30" *21"X21"
	M06-2	30"X30" *21"X21"
ACCESS TO LOCAL BUSINESSES	R10-71	72"X36"
DETOUR AHEAD	W20-2-A	48"X48" *36"X36"
ROAD CLOSED XX MILE AHEAD LOCAL TRAFFIC ONLY	R11-3	60"X30"

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - DETOUR ROUTE (STAGE 1) OVERVIEW	SHEET 212 E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001_DT-STAGE 1.DWG
LAYOUT NAME - 050113

PLOT DATE : 7/27/2020 PLOT BY : KL ENGINEERING PLOT NAME : ---------- PLOT SCALE : Custom

WISDOT/CADDS SHEET 42

2

PORTAGE

MACFARLANE ROAD

DE WITT STREET

E COOK STREET

W COOK STREET

WISCONSIN RIVER

WISCONSIN STREET

EXISTING SIGN TO BE COVERED

EXISTING SIGN TO BE COVERED

EXISTING OVERHEAD SIGN TO BE COVERED

LEGEND

	STAGE 1 WORK ZONE USH 51 (DEWITT STREET)	
	DETOUR ROUTE	
	EXISTING SIGN MOUNTED ON POST(S)	
	PROPOSED SIGN MOUNTED ON POST(S)	
DETOUR NEXTXX MILES	G20-51	60"X24"
XX	M1-4	36"X36" *24"X24"
XX	M1-6	36"X36" *24"X24"
NORTH EAST SOUTH WEST	M3-1/M3-2/M3-3/M3-4	36"X18" *24"X12"
DETOUR	M4-8	36"X18" *24"X12"
END DETOUR	M4-8-A	30"X24" *24"X18"
	M05-1L/M05-1R	30"X30" *21"X21"
	M05-2L/M05-2R	30"X30"
	M06-1	30"X30" *21"X21"
	M06-2	30"X30" *21"X21"
ACCESS TO LOCAL BUSINESSES	R10-71	72"X36"
DETOUR AHEAD	W20-2-A	48"X48" *36"X36"
ROAD CLOSED XX MILE AHEAD LOCAL TRAFFIC ONLY	R11-3	60"X30"

* SIZE 2 SIGN

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - DETOUR ROUTE (STAGE 1) (SHEET 1-1)	SHEET E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001_DT-STAGE 1.DWG PLOT DATE : 7/27/2020 PLOT BY : KL ENGINEERING PLOT NAME : ----------

WISDOT/CADDS SHEET 42

LEGEND

STAGE 2 WORK ZONE (WISCONSIN STREET)

DETOUR ROUTE

SHEET (1-7)

SHEET (2-7)

SHEET (3-7)

SHEET (4-7)

SHEET (5-7)

SHEET (6-7)

SHEET (7-7)

Dekorra

Portage

Arlington

Goose

North Leeds

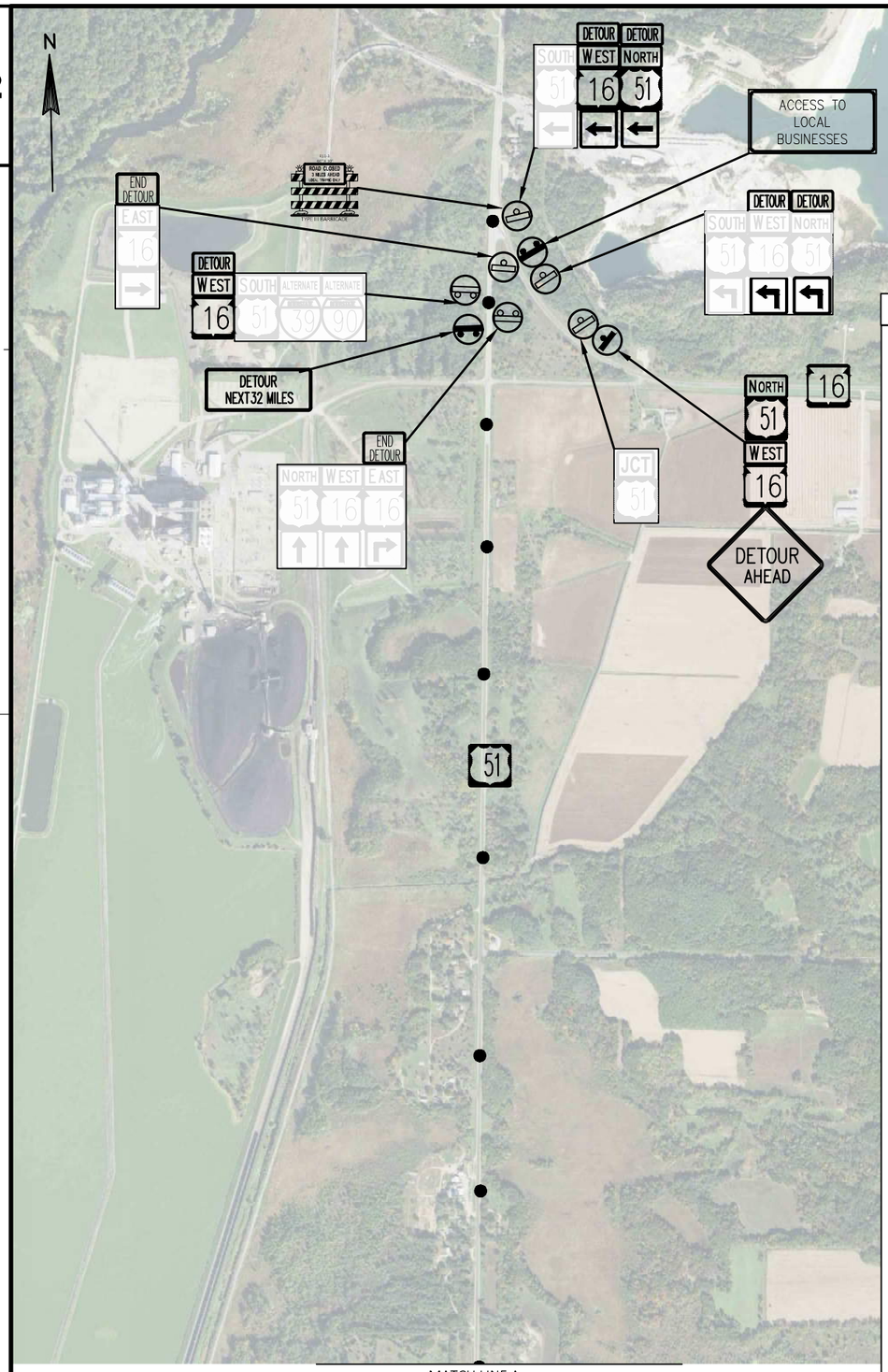
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - DETOUR ROUTE (STAGE 2) OVERVIEW	SHEET 214 E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001_DT-STAGE 2.DWG
LAYOUT NAME - 050113

PLOT DATE : 7/27/2020 PLOT BY : KL ENGINEERING PLOT NAME : ---------- PLOT SCALE : Custom

WISDOT/CADDS SHEET 42



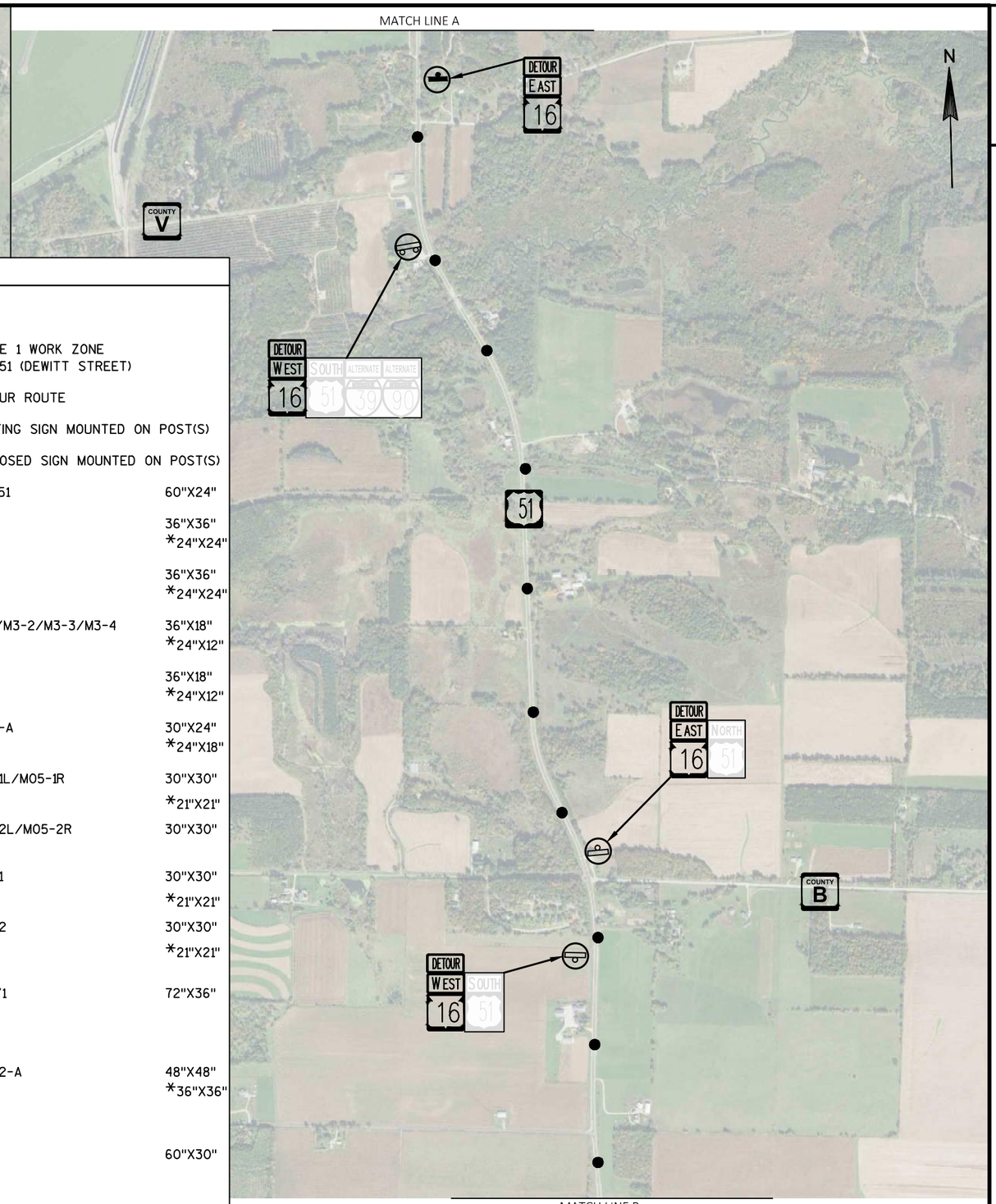
MATCH LINE A

* SIZE 2 SIGN

LEGEND

	STAGE 1 WORK ZONE USH 51 (DEWITT STREET)	
	DETOUR ROUTE	
	EXISTING SIGN MOUNTED ON POST(S)	
	PROPOSED SIGN MOUNTED ON POST(S)	
DETOUR NEXTXX MILES	G20-51	60"X24"
XX	M1-4	36"X36" *24"X24"
XX	M1-6	36"X36" *24"X24"
NORTH EAST SOUTH WEST	M3-1/M3-2/M3-3/M3-4	36"X18" *24"X12"
DETOUR	M4-8	36"X18" *24"X12"
END DETOUR	M4-8-A	30"X24" *24"X18"
	M05-1L/M05-1R	30"X30" *21"X21"
	M05-2L/M05-2R	30"X30"
	M06-1	30"X30" *21"X21"
	M06-2	30"X30" *21"X21"
ACCESS TO LOCAL BUSINESSES	R10-71	72"X36"
DETOUR AHEAD	W20-2-A	48"X48" *36"X36"
ROAD CLOSED XX MILE AHEAD LOCAL TRAFFIC ONLY	R11-3	60"X30"

MATCH LINE A



MATCH LINE B

PROJECT NO:6918-01-72	HWY:USH 51	COUNTY:COLUMBIA	TRAFFIC CONTROL - DETOUR ROUTE (STAGE 2) (SHEET 1-7)	SHEET E

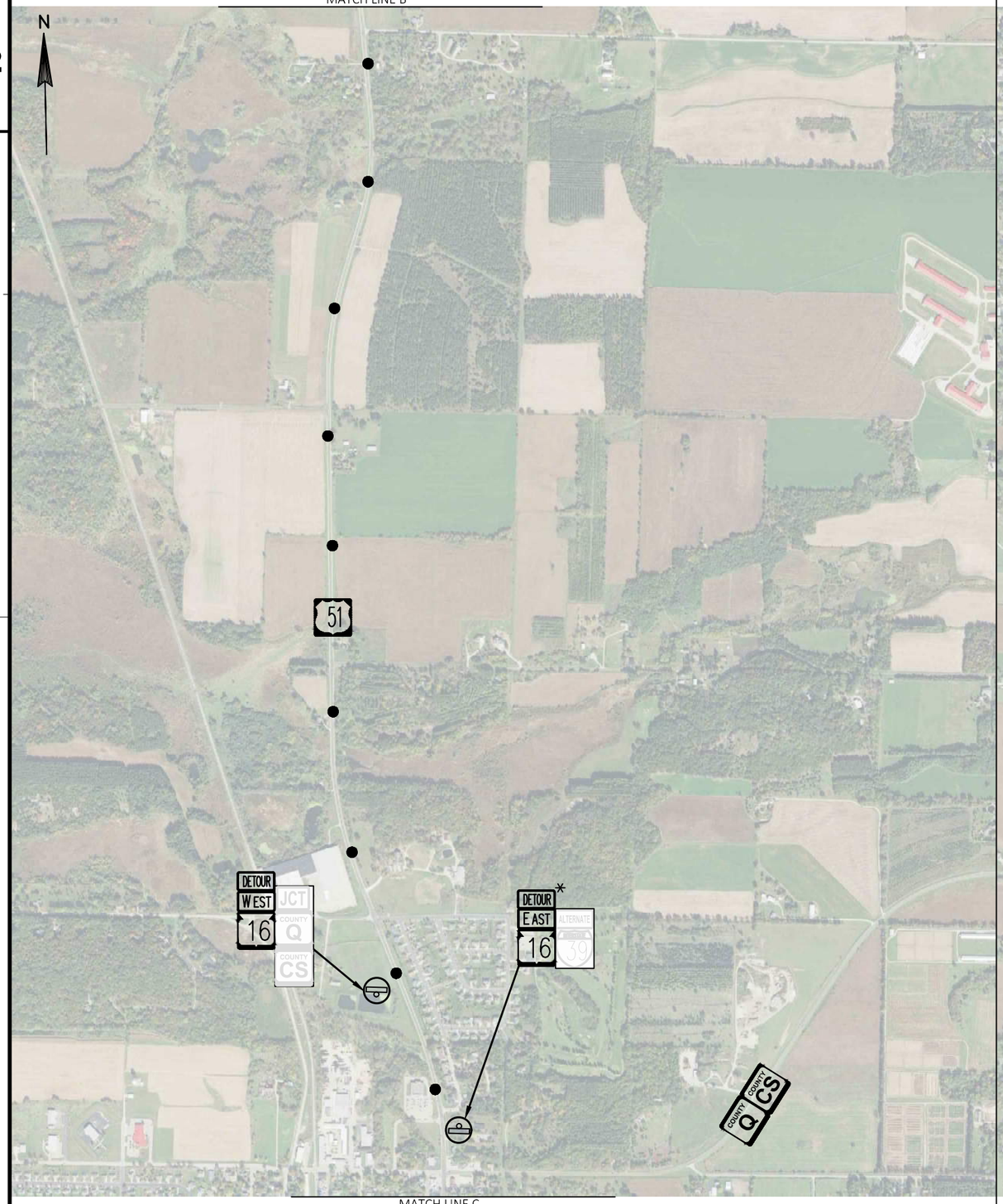
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LAYOUT NAME - 050113

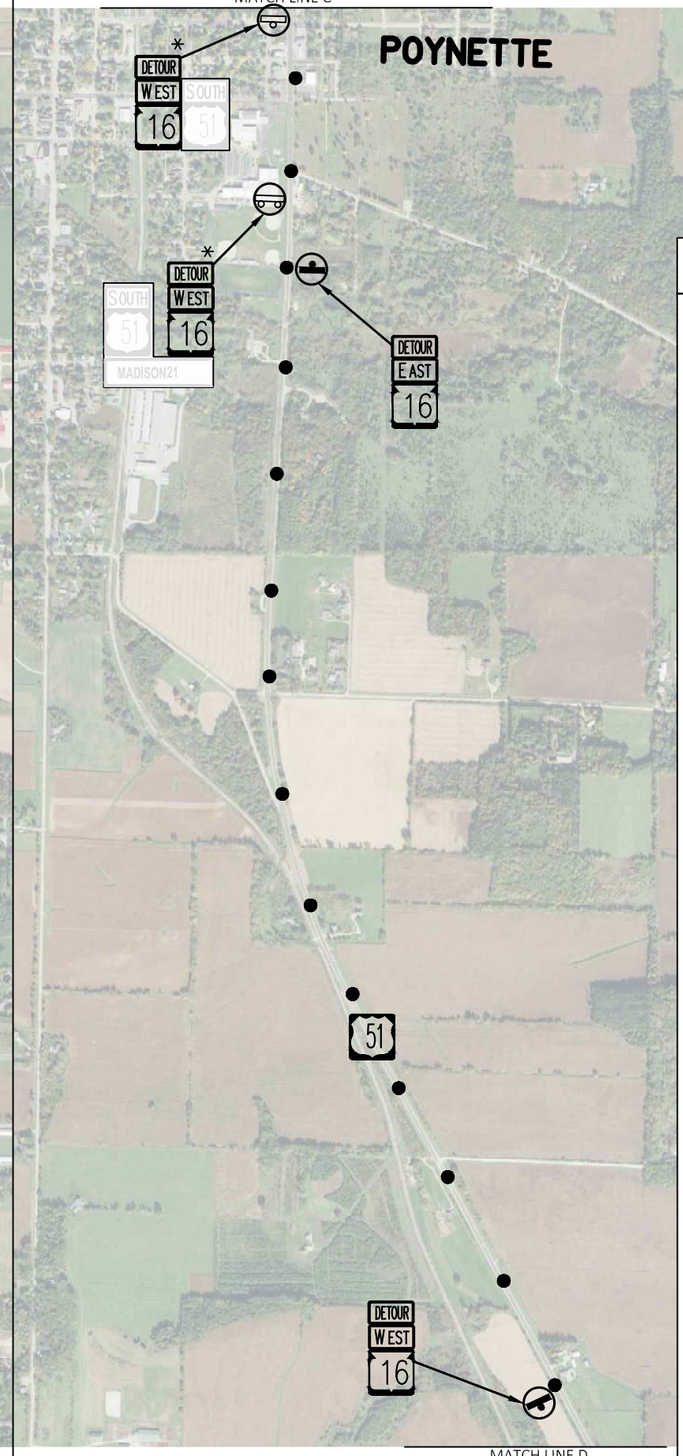
PLOT DATE : 7/27/2020 PLOT BY : KL ENGINEERING PLOT NAME : _____ PLOT SCALE : **********

MATCH LINE B

MATCH LINE C

POYNETTE





* SIZE 2 SIGN

LEGEND

	STAGE 1 WORK ZONE USH 51 (DEWITT STREET)	
	DETOUR ROUTE	
	EXISTING SIGN MOUNTED ON POST(S)	
	PROPOSED SIGN MOUNTED ON POST(S)	
DETOUR NEXTXX MILES	G20-51	60"X24"
XX	M1-4	36"X36" *24"X24"
XX	M1-6	36"X36" *24"X24"
NORTH EAST SOUTH WEST	M3-1/M3-2/M3-3/M3-4	36"X18" *24"X12"
DETOUR	M4-8	36"X18" *24"X12"
END DETOUR	M4-8-A	30"X24" *24"X18"
	M05-1L/M05-1R	30"X30" *21"X21"
	M05-2L/M05-2R	30"X30"
	M06-1	30"X30" *21"X21"
	M06-2	30"X30" *21"X21"
ACCESS TO LOCAL BUSINESSES	R10-71	72"X36"
DETOUR AHEAD	W20-2-A	48"X48" *36"X36"
ROAD CLOSED XX MILE AHEAD LOCAL TRAFFIC ONLY	R11-3	60"X30"

MATCH LINE C

MATCH LINE D

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - DETOUR ROUTE (STAGE 2) (SHEET 2-7)	SHEET E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001_DT-STAGE 2.DWG
LAYOUT NAME - 050113

PLOT DATE : 7/27/2020 PLOT BY : KL ENGINEERING PLOT NAME : _____ PLOT SCALE : 1 IN:400 FT

WISDOT/CADDS SHEET 42

LEGEND

	STAGE 1 WORK ZONE USH 51 (DEWITT STREET)	
	DETOUR ROUTE	
	EXISTING SIGN MOUNTED ON POST(S)	
	PROPOSED SIGN MOUNTED ON POST(S)	
DETOUR NEXTXX MILES	G20-51	60"X24"
XX	M1-4	36"X36" *24"X24"
XX	M1-6	36"X36" *24"X24"
NORTH EAST SOUTH WEST	M3-1/M3-2/M3-3/M3-4	36"X18" *24"X12"
DETOUR	M4-8	36"X18" *24"X12"
END DETOUR	M4-8-A	30"X24" *24"X18"
	M05-1L/M05-1R	30"X30" *21"X21"
	M05-2L/M05-2R	30"X30"
	M06-1	30"X30" *21"X21"
	M06-2	30"X30" *21"X21"
ACCESS TO LOCAL BUSINESSES	R10-71	72"X36"
DETOUR AHEAD	W20-2-A	48"X48" *36"X36"
ROAD CLOSED XX MILE AHEAD LOCAL TRAFFIC ONLY	R11-3	60"X30"

* SIZE 2 SIGN

MATCH LINE D

MATCH LINE E

ARLINGTON

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - DETOUR ROUTE (STAGE 2) (SHEET 3-7)	SHEET 217 E

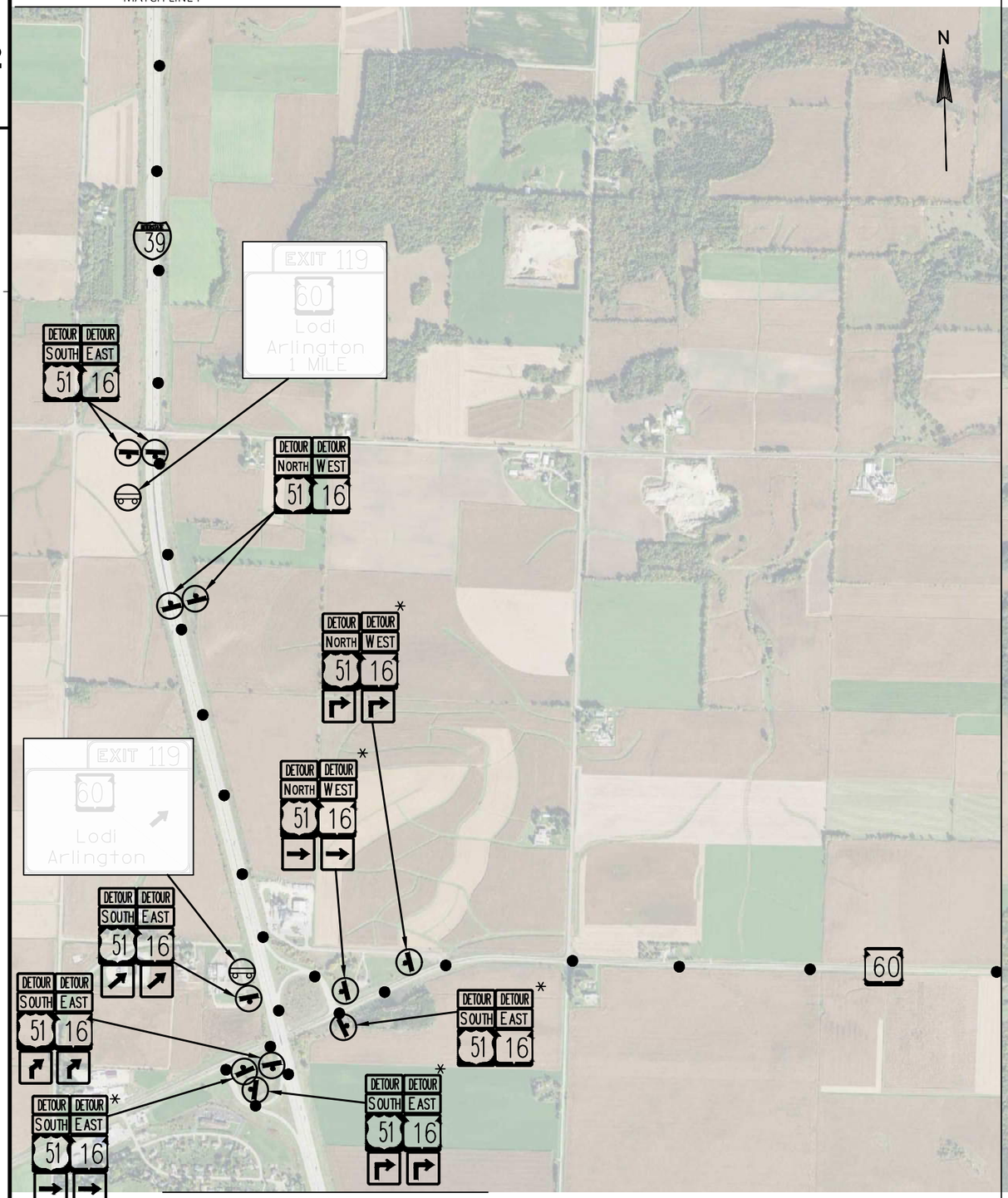
FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001_DT-STAGE 2.DWG
LAYOUT NAME - 050113

PLOT DATE : 7/27/2020 PLOT BY : KL ENGINEERING PLOT NAME : ---------- PLOT SCALE : 1 IN:400 FT

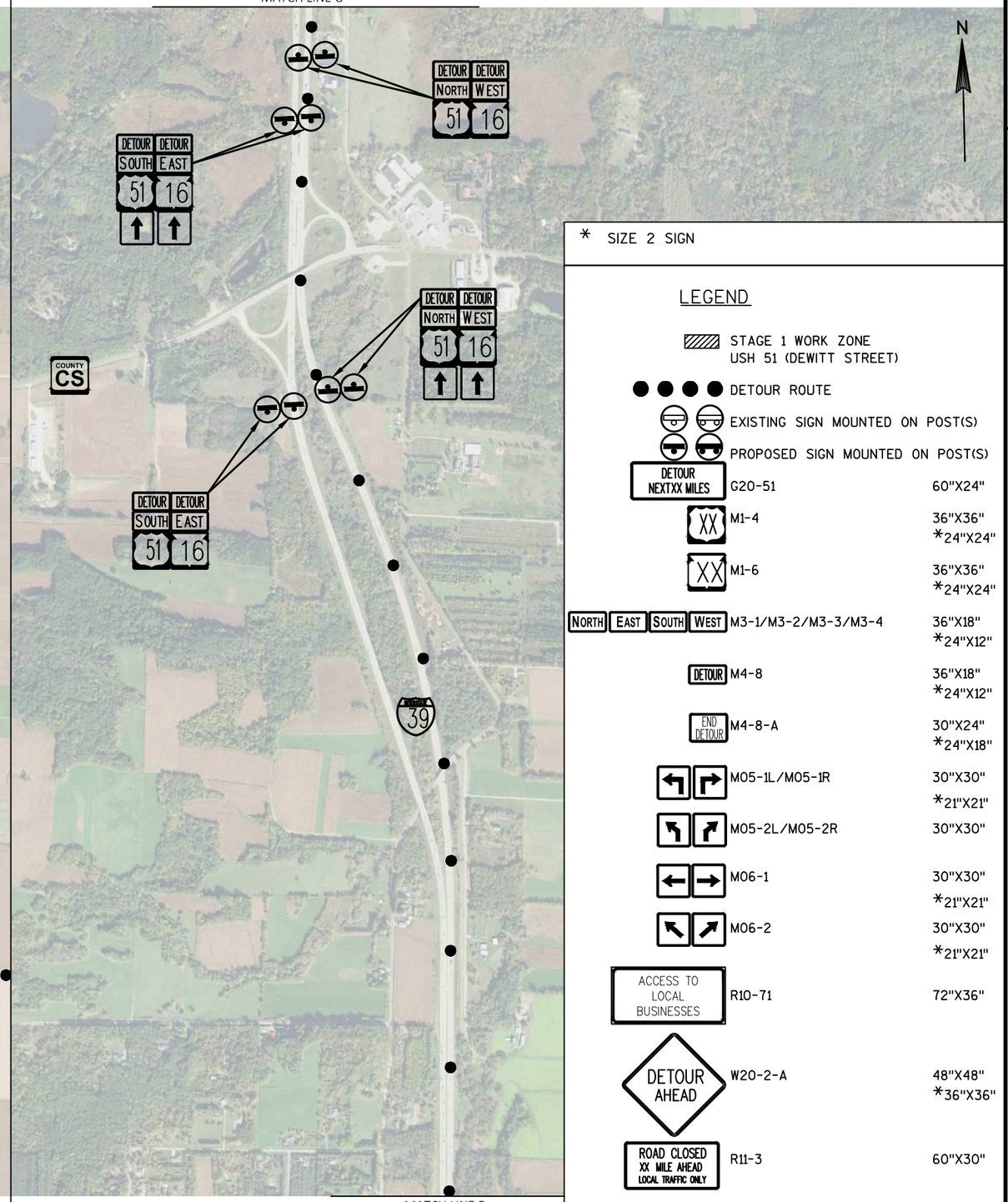
WISDOT/CADDS SHEET 42

2

MATCH LINE F



MATCH LINE G



* SIZE 2 SIGN

LEGEND

	STAGE 1 WORK ZONE USH 51 (DEWITT STREET)	
	DETOUR ROUTE	
	EXISTING SIGN MOUNTED ON POST(S)	
	PROPOSED SIGN MOUNTED ON POST(S)	
DETOUR NEXTXX MILES	G20-51	60"X24"
XX	M1-4	36"X36" *24"X24"
XX	M1-6	36"X36" *24"X24"
NORTH EAST SOUTH WEST	M3-1/M3-2/M3-3/M3-4	36"X18" *24"X12"
DETOUR	M4-8	36"X18" *24"X12"
END DETOUR	M4-8-A	30"X24" *24"X18"
	M05-1L/M05-1R	30"X30" *21"X21"
	M05-2L/M05-2R	30"X30"
	M06-1	30"X30" *21"X21"
	M06-2	30"X30" *21"X21"
ACCESS TO LOCAL BUSINESSES	R10-71	72"X36"
DETOUR AHEAD	W20-2-A	48"X48" *36"X36"
ROAD CLOSED XX MILE AHEAD LOCAL TRAFFIC ONLY	R11-3	60"X30"

MATCH LINE E

MATCH LINE F

PROJECT NO:6918-01-72	HWY:USH 51	COUNTY:COLUMBIA	TRAFFIC CONTROL - DETOUR ROUTE (STAGE 2) (SHEET 4-7)	SHEET E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001_DT-STAGE 2.DWG
LAYOUT NAME - 050113
PLOT DATE : 7/27/2020
PLOT BY : KL ENGINEERING
PLOT NAME : ----------
PLOT SCALE : 1 IN:400 FT
WISDOT/CADDS SHEET 42

MATCH LINE I

MATCH LINE H

2

2

N

N

COUNTY J

COUNTY U

COUNTY V

WISCONSIN RIVER

DETOUR SOUTH 51 DETOUR EAST 16

DETOUR NORTH 51 DETOUR WEST 16

ALTERNATE 90

DETOUR NORTH 51 DETOUR WEST 16

DETOUR NORTH 51 DETOUR WEST 16

* SIZE 2 SIGN

LEGEND

	STAGE 1 WORK ZONE USH 51 (DEWITT STREET)	
	DETOUR ROUTE	
	EXISTING SIGN MOUNTED ON POST(S)	
	PROPOSED SIGN MOUNTED ON POST(S)	
DETOUR NEXTXX MILES	G20-51	60"X24"
XX	M1-4	36"X36" *24"X24"
XX	M1-6	36"X36" *24"X24"
NORTH EAST SOUTH WEST	M3-1/M3-2/M3-3/M3-4	36"X18" *24"X12"
DETOUR	M4-8	36"X18" *24"X12"
END DETOUR	M4-8-A	30"X24" *24"X18"
	M05-1L/M05-1R	30"X30" *21"X21"
	M05-2L/M05-2R	30"X30"
	M06-1	30"X30" *21"X21"
	M06-2	30"X30" *21"X21"
ACCESS TO LOCAL BUSINESSES	R10-71	72"X36"
DETOUR AHEAD	W20-2-A	48"X48" *36"X36"
ROAD CLOSED XX MILE AHEAD LOCAL TRAFFIC ONLY	R11-3	60"X30"

MATCH LINE H

MATCH LINE G

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - DETOUR ROUTE (STAGE 2) (SHEET 5-7)	SHEET 219 E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001_DT-STAGE 2.DWG
LAYOUT NAME - 050113

PLOT DATE : 7/27/2020 PLOT BY : KL ENGINEERING PLOT NAME : ---------- PLOT SCALE : **********

WISDOT/CADDS SHEET 42

MATCH LINE K

MATCH LINE J

WISCONSIN RIVER



* SIZE 2 SIGN

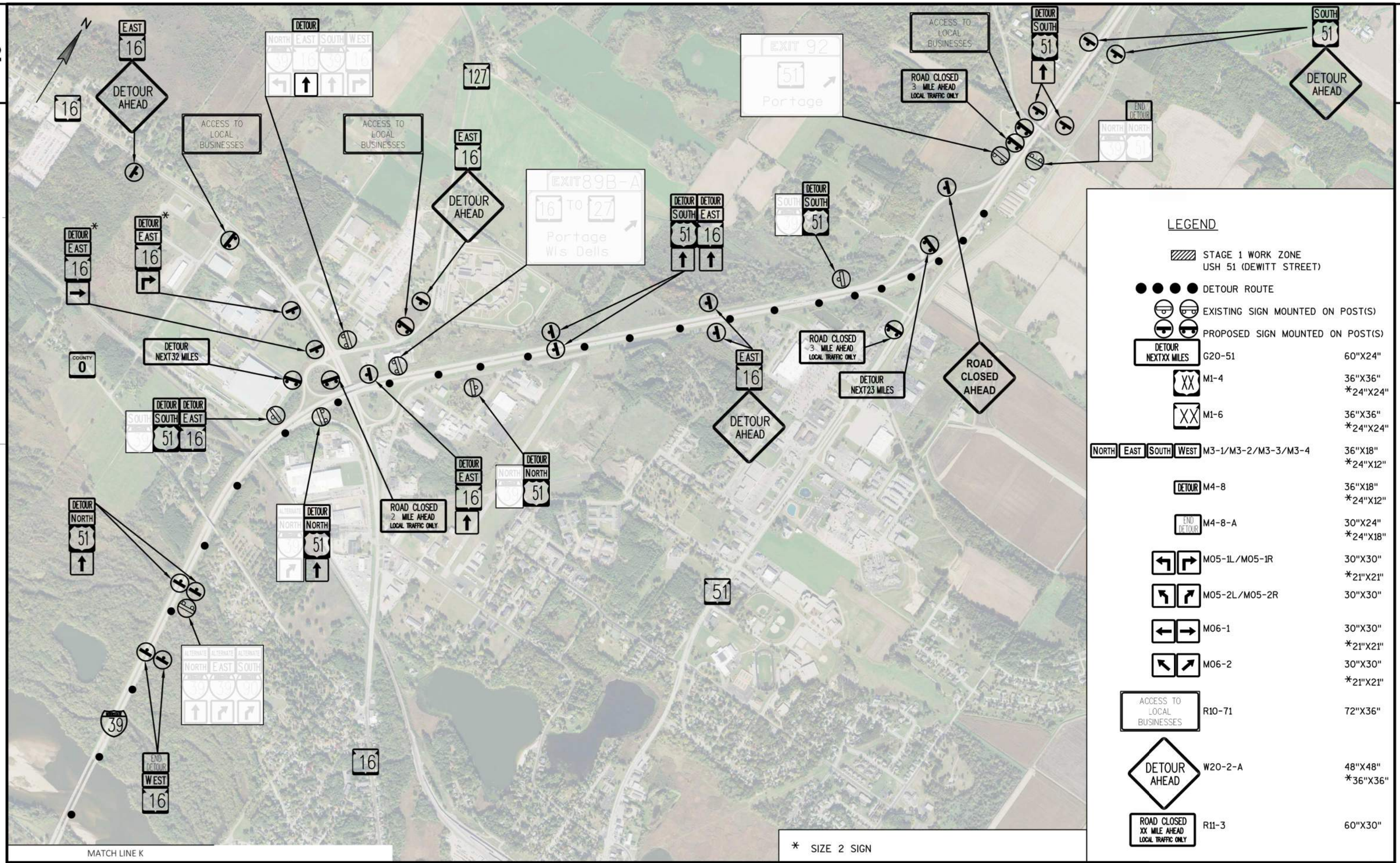
LEGEND

	STAGE 1 WORK ZONE USH 51 (DEWITT STREET)	
	DETOUR ROUTE	
	EXISTING SIGN MOUNTED ON POST(S)	
	PROPOSED SIGN MOUNTED ON POST(S)	
DETOUR NEXTXX MILES	G20-51	60"X24"
XX	M1-4	36"X36" *24"X24"
XX	M1-6	36"X36" *24"X24"
NORTH EAST SOUTH WEST	M3-1/M3-2/M3-3/M3-4	36"X18" *24"X12"
DETOUR	M4-8	36"X18" *24"X12"
END DETOUR	M4-8-A	30"X24" *24"X18"
	M05-1L/M05-1R	30"X30" *21"X21"
	M05-2L/M05-2R	30"X30"
	M06-1	30"X30" *21"X21"
	M06-2	30"X30" *21"X21"
ACCESS TO LOCAL BUSINESSES	R10-71	72"X36"
DETOUR AHEAD	W20-2-A	48"X48" *36"X36"
ROAD CLOSED XX MILE AHEAD LOCAL TRAFFIC ONLY	R11-3	60"X30"

MATCH LINE J

MATCH LINE I

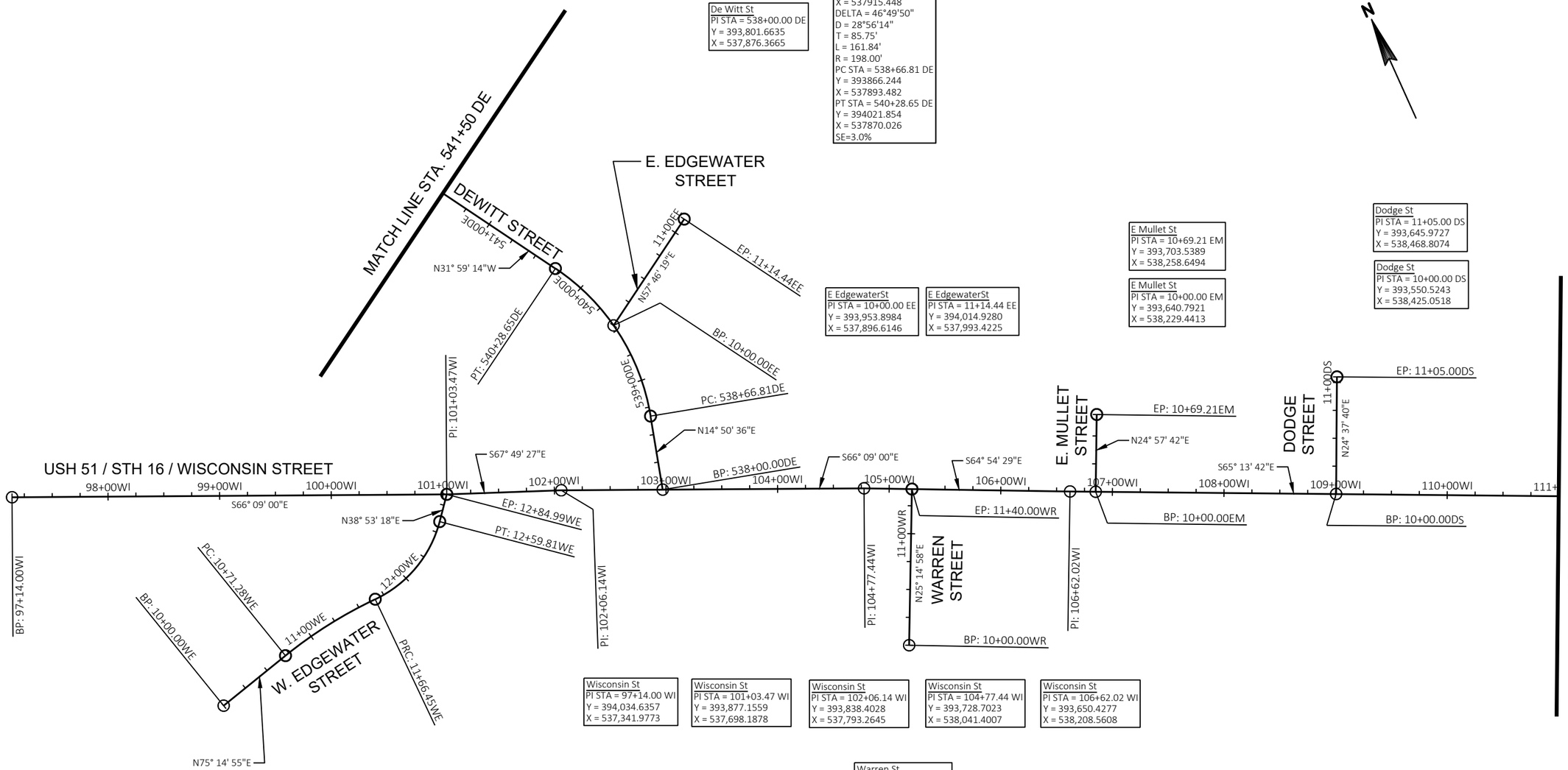
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - DETOUR ROUTE (STAGE 2) (SHEET 6-7)	SHEET 220	E



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	TRAFFIC CONTROL - DETOUR ROUTE (STAGE 2) (SHEET 7-7)	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001_DT-STAGE 2.DWG
LAYOUT NAME - 050113
PLOT DATE : 7/27/2020
PLOT BY : KL ENGINEERING
PLOT NAME : _____ PLOT SCALE : **********
WISDOT/CADDS SHEET 42

2



Wisconsin St
PI STA = 97+14.00 WI
Y = 394,034.6357
X = 537,341.9773

Wisconsin St
PI STA = 101+03.47 WI
Y = 393,877.1559
X = 537,698.1878

Wisconsin St
PI STA = 102+06.14 WI
Y = 393,838.4028
X = 537,793.2645

Wisconsin St
PI STA = 104+77.44 WI
Y = 393,728.7023
X = 538,041.4007

Wisconsin St
PI STA = 106+62.02 WI
Y = 393,650.4277
X = 538,208.5608

W EdgewaterSt
PI STA = 10+00.00 WE
Y = 393,786.4933
X = 537,438.2169

W EdgewaterSt
PI STA = 11+19.09 WE
Y = 393816.817
X = 537553.382
DELTA = 13°37'55"
D = 14°19'26"
T = 47.81'
L = 95.17'
R = 400.00'
PC STA = 10+71.28 WE
Y = 393804.643
X = 537507.148
PT STA = 11+66.45 WE
Y = 393817.751
X = 537601.183
SE=N/A

W EdgewaterSt
PI STA = 12+16.34 WE
Y = 393818.725
X = 537651.060
DELTA = 49°59'33"
D = 53°32'51"
T = 49.89'
L = 93.36'
R = 107.00'
PC STA = 11+66.45 WE
Y = 393817.751
X = 537601.183
PT STA = 12+59.81 WE
Y = 393857.555
X = 537682.379
SE=N/A

W EdgewaterSt
PI STA = 12+84.99 WE
Y = 393,877.1559
X = 537,698.1878

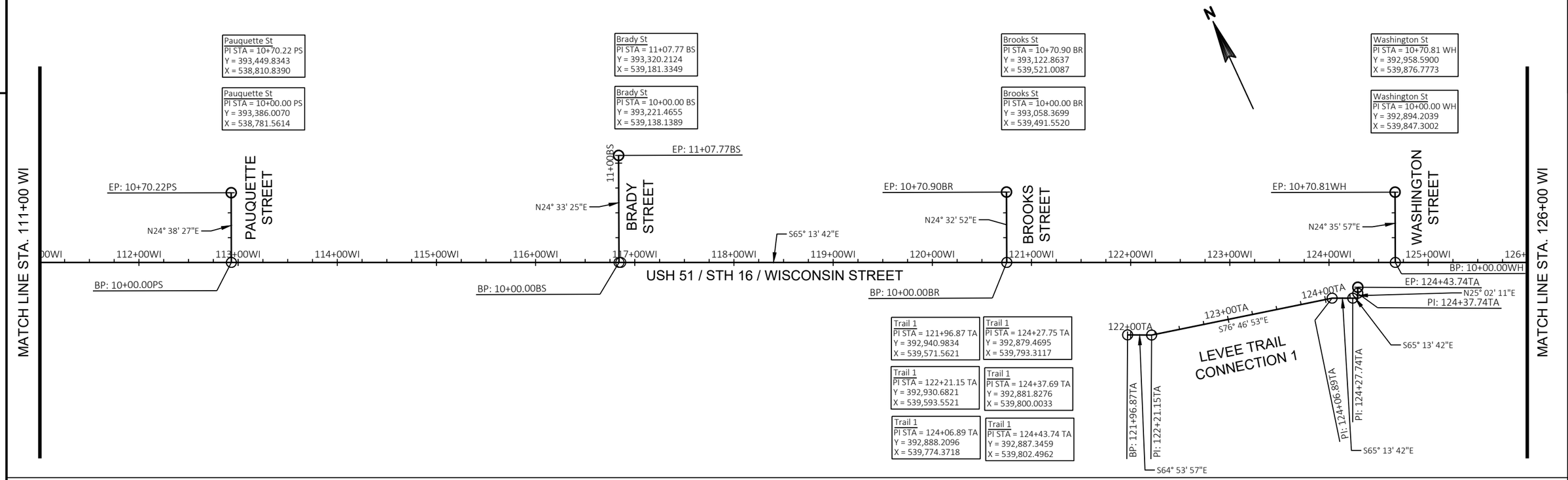
Warren St
PI STA = 10+00.00 WR
Y = 393,583.8735
X = 538,020.5658

Warren St
PI STA = 11+40.00 WR
Y = 393,710.4953
X = 538,080.2829

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	ALIGNMENT DIAGRAM	SHEET 222	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\ALIGNMENT DIAGRAM\027201-AD.DWG
LAYOUT NAME - SHEET 1

PLOT DATE : 7/6/2020 11:01 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

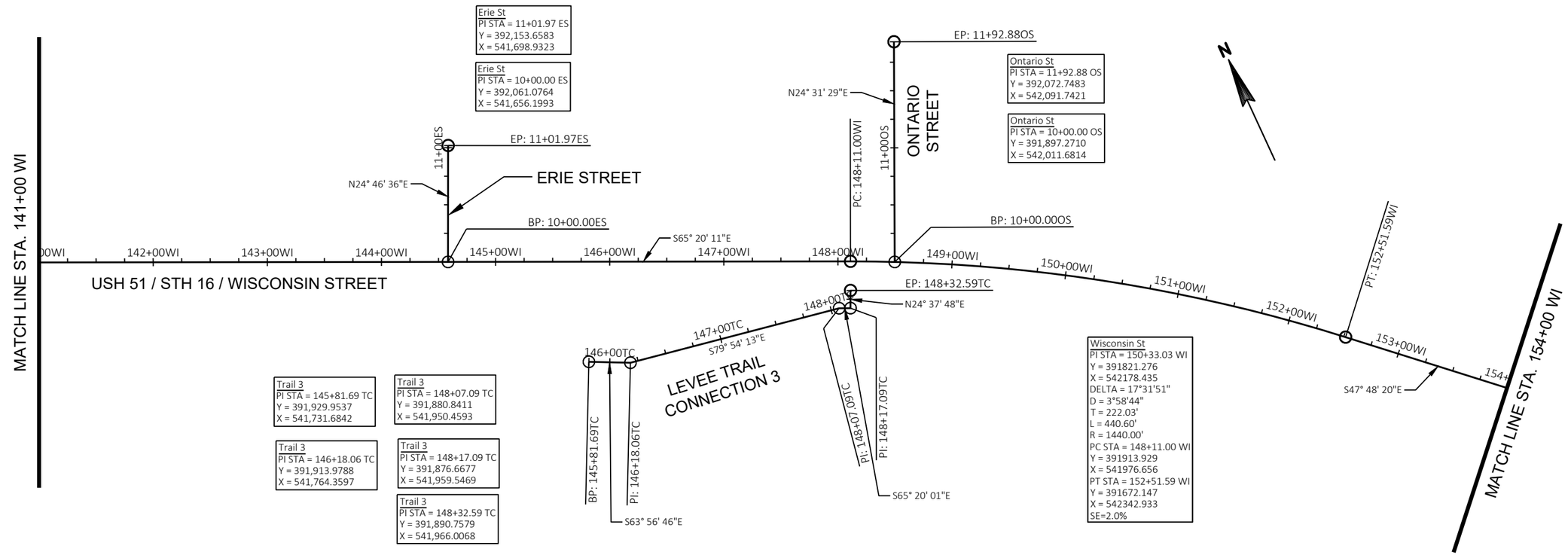


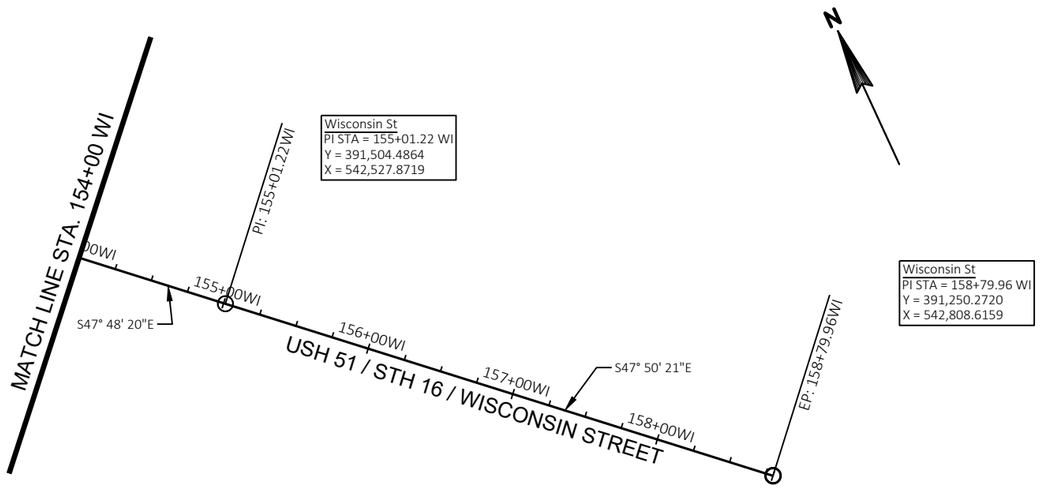
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	ALIGNMENT DIAGRAM	SHEET 223	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\ALIGNMENT DIAGRAM\027201-AD.DWG
LAYOUT NAME - SHEET 2

PLOT DATE : 7/6/2020 11:01 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



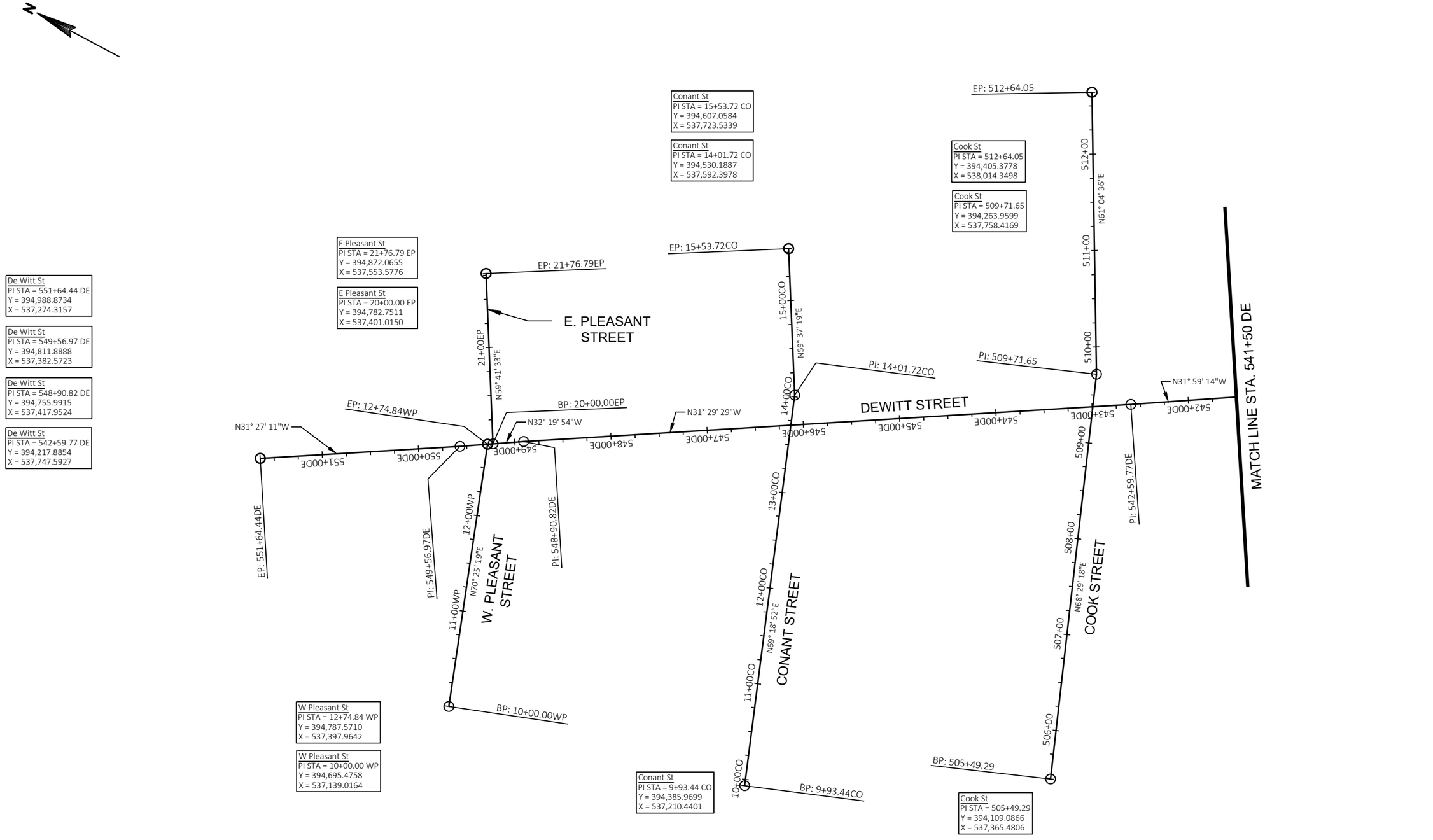


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	ALIGNMENT DIAGRAM	SHEET 224	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\ALIGNMENT DIAGRAM\027201-AD.DWG
LAYOUT NAME - SHEET 3

PLOT DATE : 7/6/2020 11:01 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	ALIGNMENT DIAGRAM	SHEET 225	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\ALIGNMENT DIAGRAM\027201-AD.DWG
LAYOUT NAME - SHEET 4

PLOT DATE : 7/6/2020 11:01 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

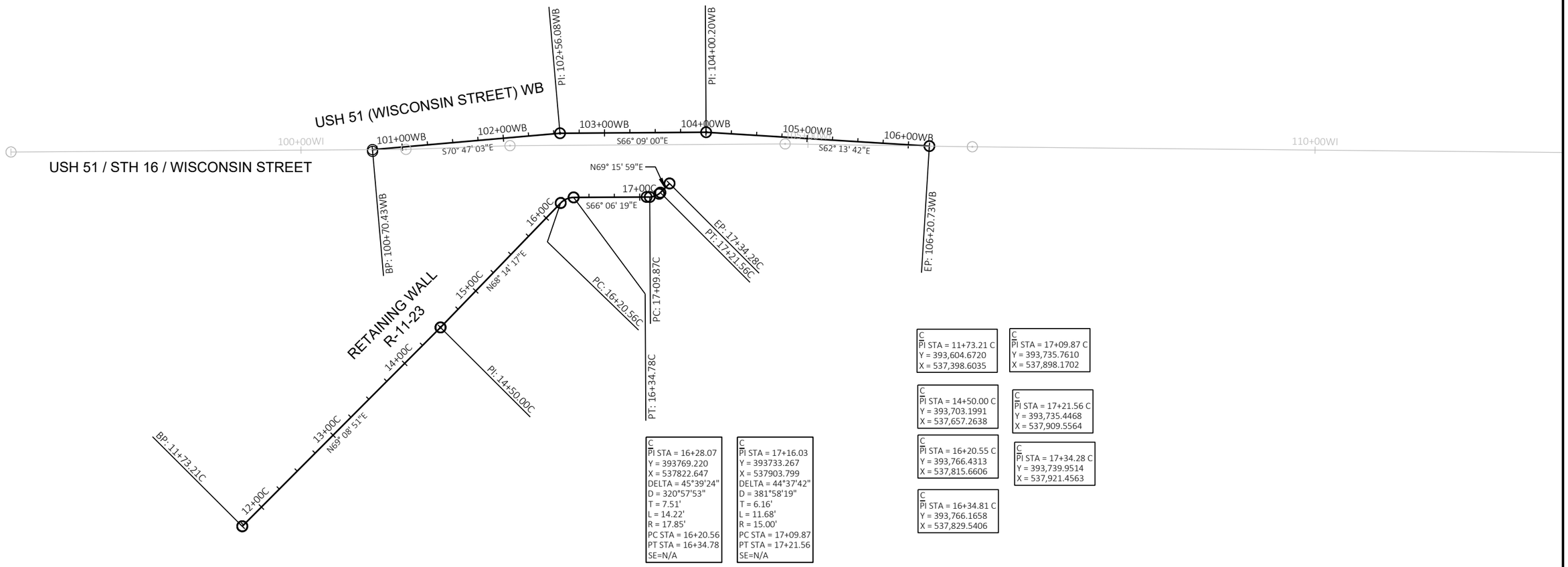
N

Wisconsin St WB
PI STA = 100+70.43 WB
Y = 393,888.8617
X = 537,667.3960

Wisconsin St WB
PI STA = 104+00.20 WB
Y = 393,771.1384
X = 537,975.0902

Wisconsin St WB
PI STA = 102+56.08 WB
Y = 393,829.4116
X = 537,843.2797

Wisconsin St WB
PI STA = 106+20.73 WB
Y = 393,668.3829
X = 538,170.2166



C
PI STA = 16+28.07
Y = 393769.220
X = 537822.647
DELTA = 45°39'24"
D = 320°57'53"
T = 7.51'
L = 14.22'
R = 17.85'
PC STA = 16+20.56
PT STA = 16+34.78
SE=N/A

C
PI STA = 17+16.03
Y = 393733.267
X = 537903.799
DELTA = 44°37'42"
D = 381°58'19"
T = 6.16'
L = 11.68'
R = 15.00'
PC STA = 17+09.87
PT STA = 17+21.56
SE=N/A

C
PI STA = 11+73.21 C
Y = 393,604.6720
X = 537,398.6035

C
PI STA = 17+09.87 C
Y = 393,735.7610
X = 537,898.1702

C
PI STA = 14+50.00 C
Y = 393,703.1991
X = 537,657.2638

C
PI STA = 17+21.56 C
Y = 393,735.4468
X = 537,909.5564

C
PI STA = 16+20.55 C
Y = 393,766.4313
X = 537,815.6606

C
PI STA = 17+34.28 C
Y = 393,739.9514
X = 537,921.4563

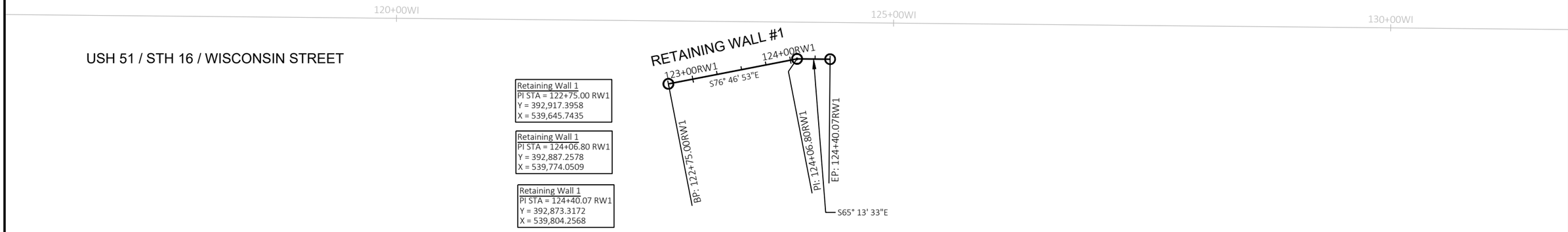
C
PI STA = 16+34.81 C
Y = 393,766.1658
X = 537,829.5406

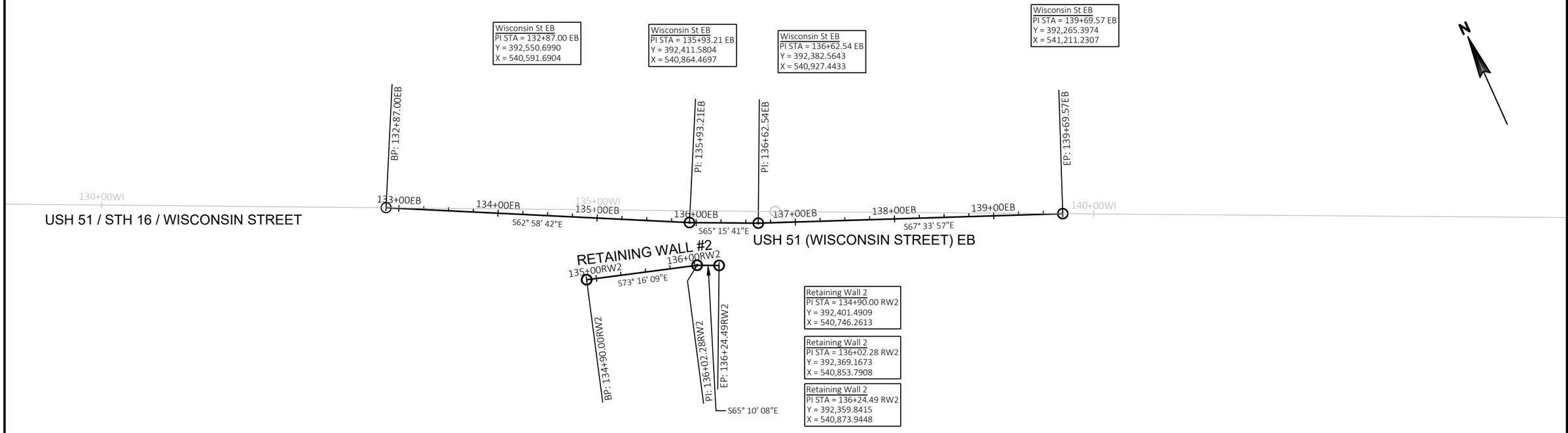
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	ALIGNMENT DIAGRAM	SHEET 226	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\ALIGNMENT DIAGRAM\027202-AD.DWG
LAYOUT NAME - SHEET 5

PLOT DATE : 7/6/2020 11:03 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

2





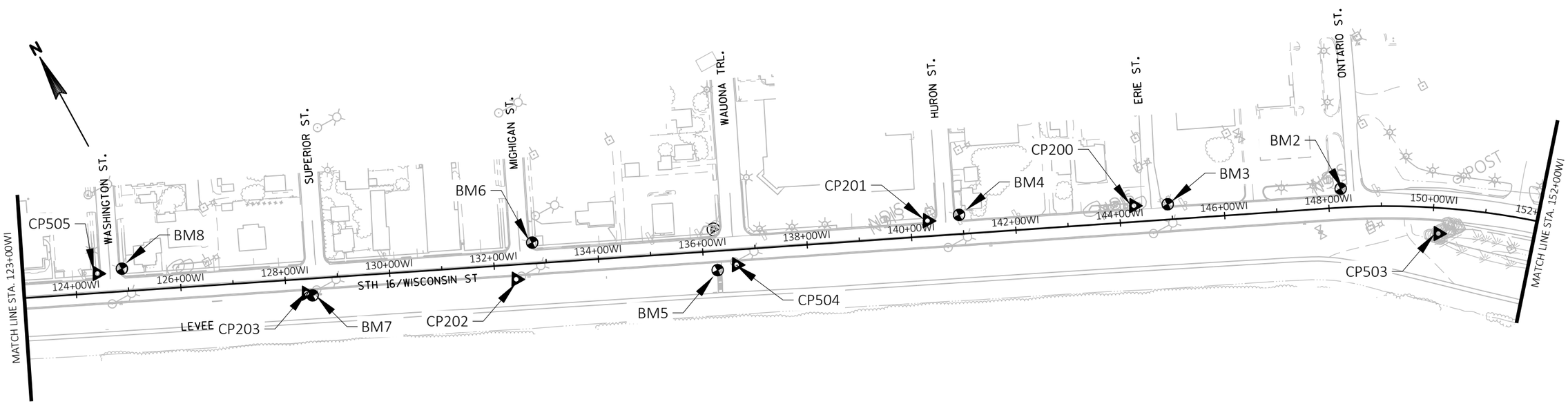
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	ALIGNMENT DIAGRAM	SHEET 227	E

2

BENCHMARK INFORMATION					
POINT NO.	Y	X	ELEVATION	DESCRIPTION	
BM-9	393105.818	539487.775	791.37	CUT X NE FLANGE BOLT HYD	
BM-10	393263.224	539177.821	791.56	CUT X W FLANGE BOLT HYD	
BM-11	393372.669	538737.783	792.64	CUT X N FLANGE BOLT HYD	
BM-12	393504.064	538433.610	793.68	CUT X NE FLANGE BOLT HYD	
BM-13	393799.334	538070.675	792.79	CUT SQ NE COR CONC BASE SW END METAL RAILING	
BM-14	393652.345	537955.328	791.61	RR SPIKE PPOL 312-9-8.1 33/40	
BM-16	394248.669	537660.276	807.79	CUT X NW FLANGE BOLT HYD	
BM-17	394541.376	537519.109	814.11	CUT X E FLANGE BOLT HYD	
BM-18	394814.290	537354.763	813.66	CUT X SW FLANGE BOLT HYD	
BM-19	394032.628	537282.893	802.83	CUT X NNE FLANGE BOLT HYD	
BM-20	393868.549	537636.527	798.93	CUT X E FLANGE BOLT HYD	
BM-21	393733.902	537893.803	794.25	CUT SQ S COR CONC BASE METAL RAILING	

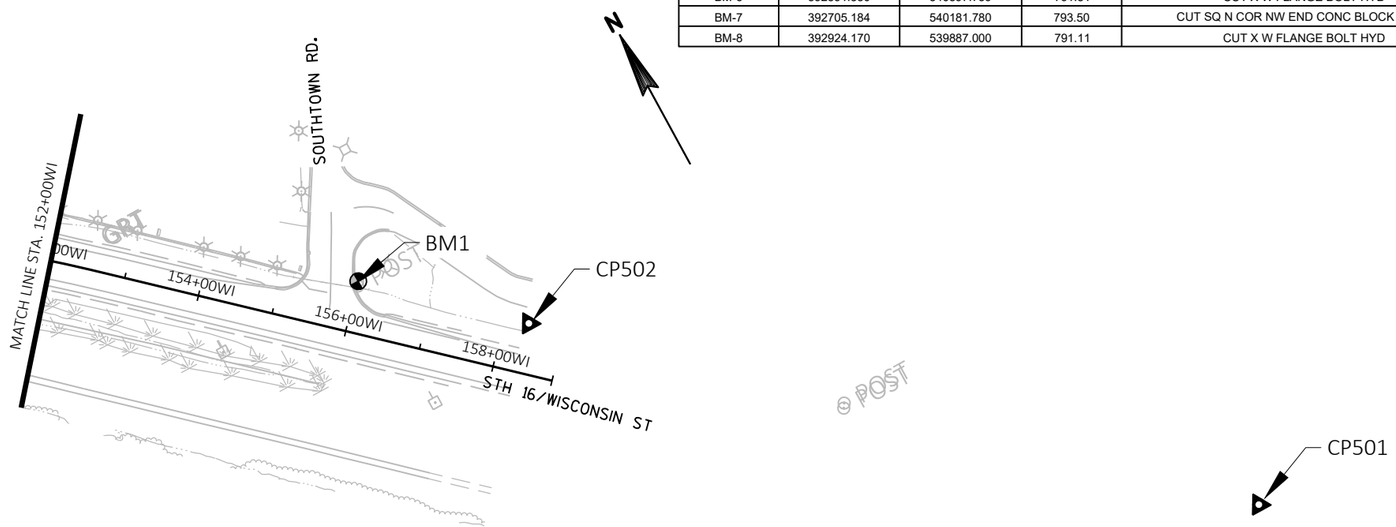
CONTROL POINT INFORMATION				
POINT NO.	Y	X	ELEVATION	DESCRIPTION
CP-204	393078.812	539529.497	790.13	5/8IN RB KL CAP
CP-205	393213.961	539094.688	789.2	CUT X
CP-206	393521.265	538417.033	791.58	5/8IN RB KL CAP
CP-207	393643.924	538145.035	791.89	5/8IN RB KL CAP
CP-209	394270.084	537674.697	806.52	5/8IN RB KL CAP
CP-210	394550.471	537575.642	812.4	CUT X
CP-211	394816.398	537405.210	811.89	CUT X
CP-212	393836.857	537721.828	795.71	CUT X
CP-213	393725.715	537881.764	792.63	5/8IN RB KL CAP
CP-214	393613.510	537988.264	790.6	MAG NAIL
CP-218	394240.145	537770.731	805.718	CUT X
CP-219	394389.798	537676.174	808.804	CUT X
CP-225	393341.392	538952.839	789.299	CUT X
CP-226	393833.519	537875.911	794.745	CUT X
CP-506	393361.218	538764.355	790.36	FENO 506
CP-507	393816.673	538043.270	792.89	FENO 507
CP-508	394582.422	537632.718	813.725	FENO 508
CP-513	394122.903	537224.323	801.3	FENO 513

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONTROL POINT / BENCHMARK DETAIL	SHEET 228	E



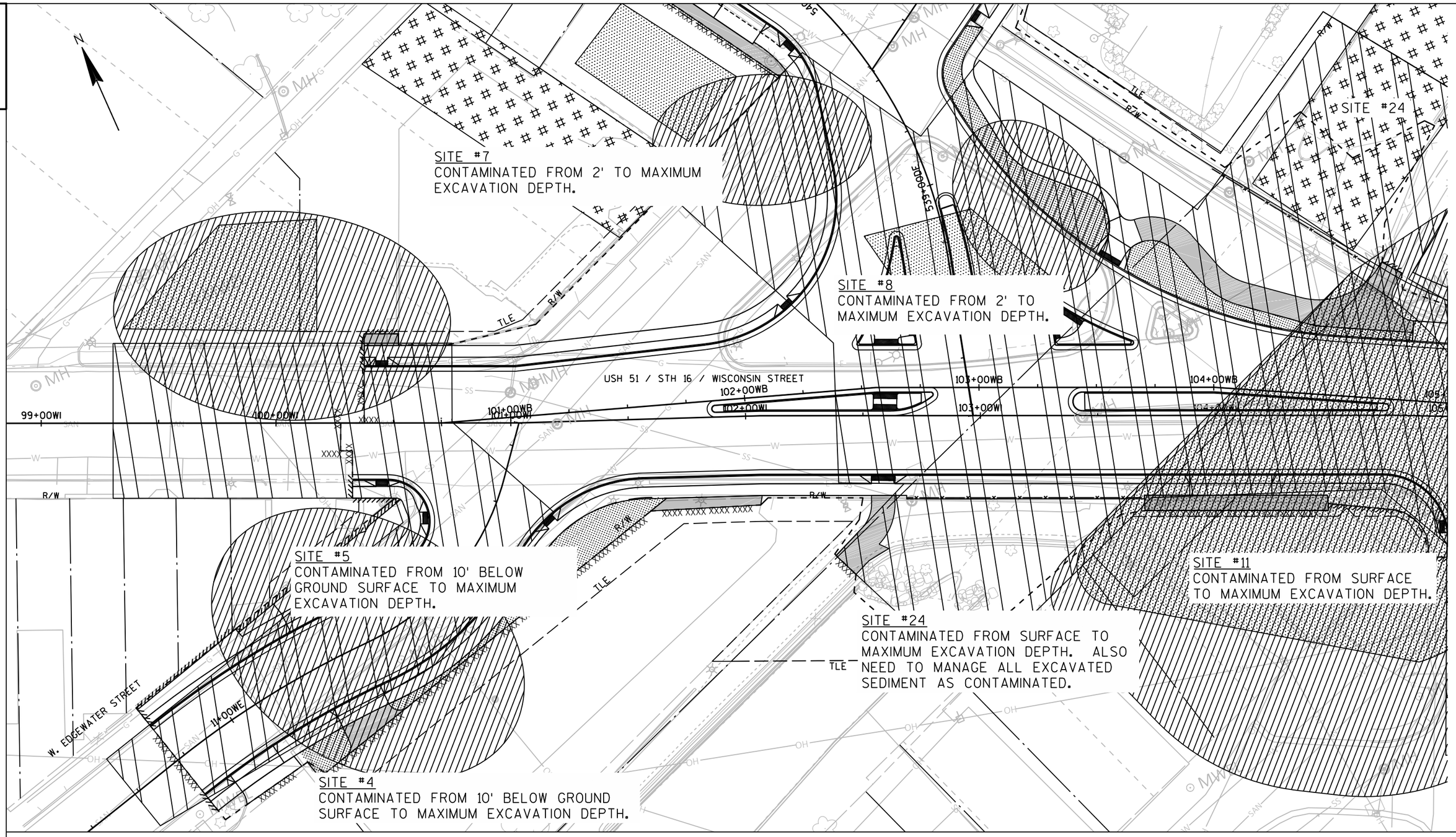
BENCHMARK INFORMATION					
POINT NO.	Y	X	ELEVATION	DESCRIPTION	
BM-1	391487.507	542646.145	790.56	RR SPIKE PPOL #12-9-9.3 17/47	
BM-2	391939.028	542001.688	792.19	CUT X E FLANGE BOLT HYD	
BM-3	392073.248	541699.719	790.97	CUT X N FLANGE BOLT HYD	
BM-4	392246.955	541340.163	790.95	CUT X E FLANGE BOLT HYD	
BM-5	392374.812	540884.135	790.70	CUT SQ N COR METAL RAILING PLATE	
BM-6	392591.330	540597.739	791.31	CUT X W FLANGE BOLT HYD	
BM-7	392705.184	540181.780	793.50	CUT SQ N COR NW END CONC BLOCK RWAL	
BM-8	392924.170	539887.000	791.11	CUT X W FLANGE BOLT HYD	

CONTROL POINT INFORMATION				
POINT NO.	Y	X	ELEVATION	DESCRIPTION
CP-200	392101.055	541640.516	789.55	5/8IN RB KL CAP
CP-201	392265.418	541282.635	789.72	5/8IN RB KL CAP
CP-202	392544.988	540538.673	789.49	5/8IN RB KL CAP
CP-501	390658.231	543549.293	785.48	FENO 501
CP-502	391330.241	542818.670	788.16	FENO 502
CP-503	391776.187	542126.640	788.02	FENO 503
CP-504	392365.611	540920.791	790.33	FENO 504
CP-505	392938.313	539840.311	788.86	FENO 505



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CONTROL POINT / BENCHMARK DETAIL	SHEET 229	E

2



LEGEND

- SOIL CONTAMINATION
- GROUNDWATER CONTAMINATION
- CAP EXTENT
- POTENTIALLY CONTAMINATED AREA

NOTE: AREAS SHOWN ARE APPROXIMATE BASED ON AVAILABLE SOURCES

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	HAZARDOUS MATERIALS	SHEET 230	E

2

2

MATCH LINE STA 105+00

MATCH LINE STA 111+00

SITE #13
CONTAMINATED FROM 5' BELOW GROUND
SURFACE TO MAXIMUM EXCAVATION DEPTH.

SITE #14
CONTAMINATED FROM 5' BELOW GROUND
SURFACE TO MAXIMUM EXCAVATION DEPTH.

SITE #12
CONTAMINATED FROM 5' BELOW GROUND
SURFACE TO MAXIMUM EXCAVATION DEPTH.

MOLLET STREET

DODGE STREET

WARREN STREET

USH 51 / STH 16 / WISCONSIN STREET

TLE

R/W

107+00W

108+00W

109+00W

110+00W

11+00S

LEGEND

SOIL CONTAMINATION

GROUNDWATER CONTAMINATION

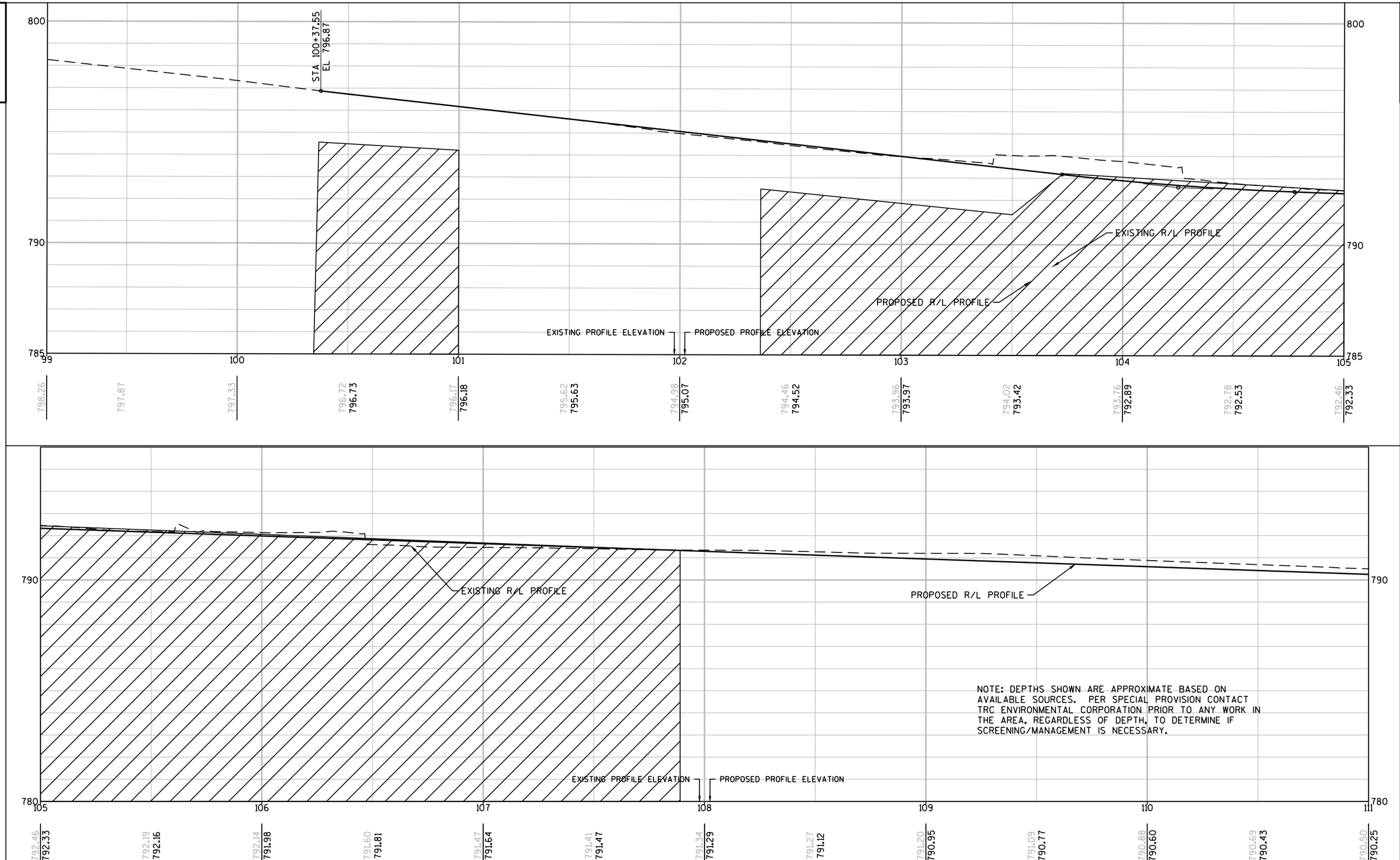
CAP EXTENT

POTENTIALLY CONTAMINATED AREA

NOTE: AREAS SHOWN ARE APPROXIMATE BASED ON AVAILABLE SOURCES

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	HAZARDOUS MATERIALS	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN DETAILS\027301-HAZMAT.DWG
LAYOUT NAME - SHEET - (23)
PLOT DATE : 7/6/2020 2:01 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



PROJECT NO:6918-01-72	HWY:USH 51	COUNTY:COLUMBIA	HAZARDOUS MATERIALS	SHEET 232	E

2

SITE #15
CONTAMINATED FROM 3' BELOW GROUND
SURFACE TO MAXIMUM EXCAVATION DEPTH.

PAUQUETTE STREET

BRADY STREET

MATCH LINE STA 111+00

TLE
R/W

USH 51 / STH 16 / WISCONSIN STREET

25'

112+00WI
113+00WI
114+00WI
115+00WI
116+00WI
117+00WI

SITE #19
CONTAMINATED FROM 5' BELOW GROUND
SURFACE TO MAXIMUM EXCAVATION DEPTH.

LEGEND

SOIL CONTAMINATION
GROUNDWATER CONTAMINATION
CAP EXTENT
POTENTIALLY CONTAMINATED AREA

NOTE: AREAS SHOWN ARE APPROXIMATE BASED ON AVAILABLE SOURCES

EXISTING R/L PROFILE
PROPOSED R/L PROFILE

NOTE: DEPTHS SHOWN ARE APPROXIMATE BASED ON AVAILABLE SOURCES. PER SPECIAL PROVISION CONTACT TRC ENVIRONMENTAL CORPORATION PRIOR TO ANY WORK IN THE AREA, REGARDLESS OF DEPTH, TO DETERMINE IF SCREENING/MANAGEMENT IS NECESSARY.

EXISTING PROFILE ELEVATION
PROPOSED PROFILE ELEVATION

90
80

111 112 113 114 115 116 117

790.50	790.36	790.20	790.00	789.85	789.76	789.58	789.38	789.28	789.14	789.02	788.92	788.98
790.25	790.08	789.91	789.73	789.56	789.39	789.21	789.04	788.87	788.69	788.54	788.54	788.72

2

LEGEND

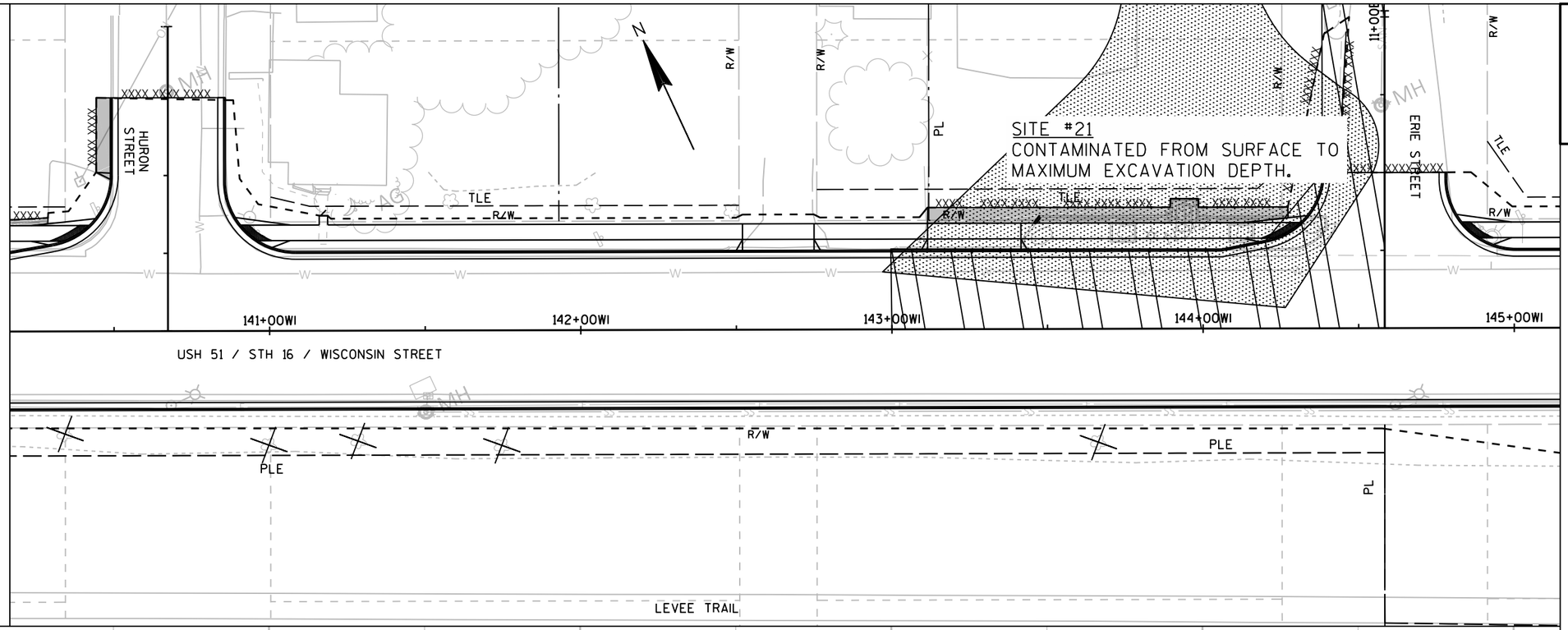
GROUNDWATER CONTAMINATION

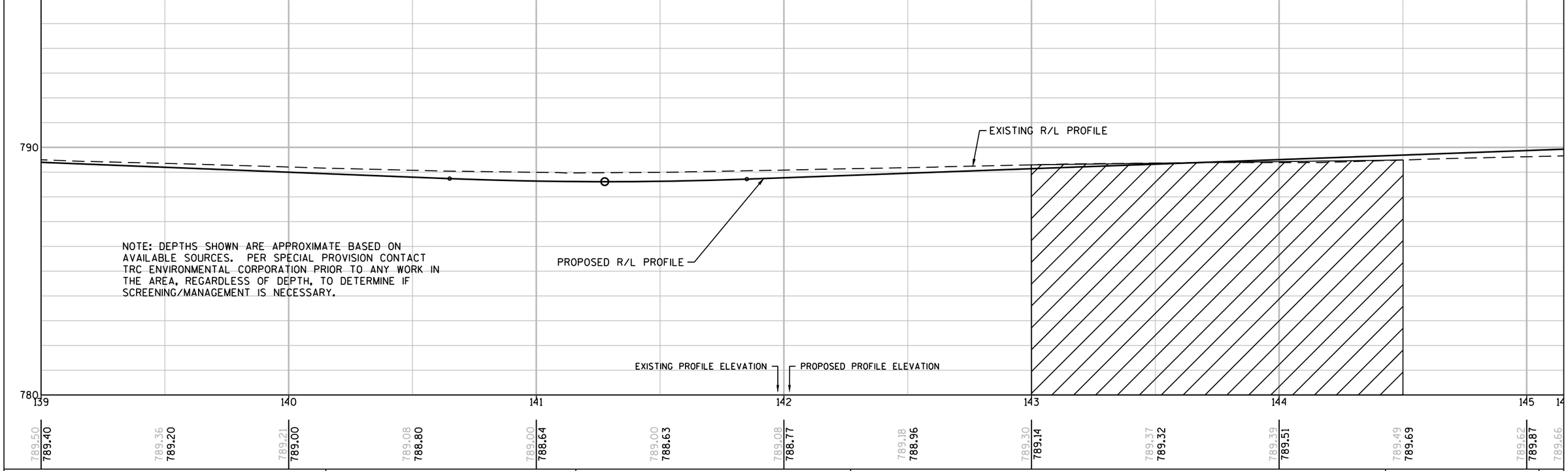
SOIL CONTAMINATION

CAP EXTENT

POTENTIALLY CONTAMINATED AREA

NOTE: AREAS SHOWN ARE APPROXIMATE BASED ON AVAILABLE SOURCES





NOTE: DEPTHS SHOWN ARE APPROXIMATE BASED ON AVAILABLE SOURCES. PER SPECIAL PROVISION CONTACT TRC ENVIRONMENTAL CORPORATION PRIOR TO ANY WORK IN THE AREA, REGARDLESS OF DEPTH, TO DETERMINE IF SCREENING/MANAGEMENT IS NECESSARY.

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	HAZARDOUS MATERIALS	SHEET 234	E

6918-01-72

Line	Item	Item Description	Unit	Total	Qty
0002	201.0120	Clearing	ID	263.000	263.000
0004	201.0220	Grubbing	ID	263.000	263.000
0006	203.0200	Removing Old Structure (station) 01. 103+50 'WI'	LS	1.000	1.000
0008	203.0200	Removing Old Structure (station) 01. 16+50 'C'	LS	1.000	1.000
0010	204.0100	Removing Concrete Pavement	SY	32,300.000	32,300.000
0012	204.0115	Removing Asphaltic Surface Butt Joints	SY	365.000	365.000
0014	204.0130	Removing Curb	LF	190.000	190.000
0016	204.0150	Removing Curb & Gutter	LF	2,330.000	2,330.000
0018	204.0155	Removing Concrete Sidewalk	SY	5,070.000	5,070.000
0020	204.0185	Removing Masonry	CY	3.000	3.000
0022	204.0195	Removing Concrete Bases	EACH	51.000	51.000
0024	204.0210	Removing Manholes	EACH	15.000	15.000
0026	204.0215	Removing Catch Basins	EACH	29.000	29.000
0028	204.0245	Removing Storm Sewer (size) 01. (10-Inch)	LF	329.000	329.000
0030	204.0245	Removing Storm Sewer (size) 02. (12-Inch)	LF	3,096.000	3,096.000
0032	204.0245	Removing Storm Sewer (size) 03. (15-Inch)	LF	420.000	420.000
0034	204.0245	Removing Storm Sewer (size) 04. (18-Inch)	LF	1,396.000	1,396.000
0036	204.0245	Removing Storm Sewer (size) 05. (24-Inch)	LF	360.000	360.000
0038	204.0245	Removing Storm Sewer (size) 06. (36-Inch)	LF	140.000	140.000
0040	204.0291.S	Abandoning Sewer	CY	107.000	107.000
0042	204.9060.S	Removing (item description) 01. Tree Grates	EACH	3.000	3.000
0044	204.9060.S	Removing (item description) 02. Removing Handholes	EACH	6.000	6.000
0046	204.9090.S	Removing (item description) 01. Removing Electrical Conductors from Existing Conduit	LF	7,205.000	7,205.000
0048	204.9105.S	Removing (item description) 01. Removing Concrete Steps, Supports, and Railings	LS	1.000	1.000
0050	205.0100	Excavation Common	CY	44,430.000	44,430.000
0052	206.2000	Excavation for Structures Culverts (structure) 01. C-11-2052	LS	1.000	1.000
0054	206.4000	Excavation for Structures Structural Plate Pipe or Pipe Arches (station) 01. 103+50 'WI'	LS	1.000	1.000
0056	206.5000	Cofferdams (structure) 01. C-11-2052	LS	1.000	1.000
0058	208.1100	Select Borrow	CY	1,530.000	1,530.000
0060	209.2100	Backfill Granular Grade 2	CY	15.000	15.000
0062	210.2500	Backfill Structure Type B	TON	3,464.000	3,464.000
0064	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 6918-01-72	LS	1.000	1.000
0066	213.0100	Finishing Roadway (project) 01. 6918-01-72	EACH	1.000	1.000
0068	305.0110	Base Aggregate Dense 3/4-Inch	TON	2,170.000	2,170.000
0070	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	36,200.000	36,200.000
0072	310.0110	Base Aggregate Open-Graded	TON	115.000	115.000

6918-01-72

Line	Item	Item Description	Unit	Total	Qty
0074	311.0110	Breaker Run	TON	61.000	61.000
0076	312.0110	Select Crushed Material	TON	28,260.000	28,260.000
0078	371.2000.S	QMP Base Aggregate Dense 1 1/4-Inch Compaction	EACH	24.000	24.000
0080	416.0160	Concrete Driveway 6-Inch	SY	1,485.000	1,485.000
0082	416.0260	Concrete Driveway HES 6-Inch	SY	150.000	150.000
0084	450.4000	HMA Cold Weather Paving	TON	1,250.000	1,250.000
0086	455.0605	Tack Coat	GAL	2,560.000	2,560.000
0088	460.2000	Incentive Density HMA Pavement	DOL	1.000	1.000
0090	460.6224	HMA Pavement 4 MT 58-28 S	TON	8,200.000	8,200.000
0092	460.6424	HMA Pavement 4 MT 58-28 H	TON	3,590.000	3,590.000
0094	465.0105	Asphaltic Surface	TON	40.000	40.000
0096	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	300.000	300.000
0098	504.0100	Concrete Masonry Culverts	CY	74.000	74.000
0100	505.0400	Bar Steel Reinforcement HS Structures	LB	1,100.000	1,100.000
0102	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	2,600.000	2,600.000
0104	511.1200	Temporary Shoring (structure) 01. C-11-2052	SF	520.000	520.000
0106	511.1300	Temporary Shoring (location) 01. Levee Connection 2	SF	700.000	700.000
0108	511.1300	Temporary Shoring (location) 02. Levee Connection 1	SF	800.000	800.000
0110	513.2001	Railing Pipe 01. Steps	LF	24.000	24.000
0112	513.2001	Railing Pipe 02. Levee Retaining Walls	LF	300.000	300.000
0114	513.8006	Railing Steel Pedestrian Type C1	LF	88.000	88.000
0116	516.0500	Rubberized Membrane Waterproofing	SY	15.000	15.000
0118	517.1010.S	Concrete Staining (structure) 01. C-11-2052	SF	309.000	309.000
0120	517.1015.S	Concrete Staining Multi-Color (structure) 01. C-11-2052	SF	416.000	416.000
0122	517.1050.S	Architectural Surface Treatment (structure) 01. C-11-2052	SF	416.000	416.000
0124	520.8000	Concrete Collars for Pipe	EACH	9.000	9.000
0126	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	1.000	1.000
0128	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	1.000	1.000
0130	522.2619	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	EACH	1.000	1.000
0132	527.0345	Pipe Arch Structural Plate 14-FT Span	LF	249.000	249.000
0134	531.2048	Drilling Shaft 48-Inch	LF	23.000	23.000
0136	531.5330	Foundation Single-Shaft Type TC-III (structure) 01. S-11-31	EACH	1.000	1.000
0138	532.5330	Truss Cantilever 2-Chord Type III (structure) 01. S-11-31	EACH	1.000	1.000
0140	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	475.000	475.000
0142	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	12,900.000	12,900.000

6918-01-72

Line	Item	Item Description	Unit	Total	Qty
0144	601.0415	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type J	LF	30.000	30.000
0146	601.0600	Concrete Curb Pedestrian	LF	115.000	115.000
0148	602.0410	Concrete Sidewalk 5-Inch	SF	71,410.000	71,410.000
0150	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	900.000	900.000
0152	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	118.000	118.000
0154	602.1500	Concrete Steps	SF	205.000	205.000
0156	602.2400	Concrete Safety Islands	SF	785.000	785.000
0158	606.0200	Riprap Medium	CY	3.000	3.000
0160	606.0300	Riprap Heavy	CY	84.000	84.000
0162	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	635.000	635.000
0164	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	145.000	145.000
0166	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	39.000	39.000
0168	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	618.000	618.000
0170	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	57.000	57.000
0172	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	1,569.000	1,569.000
0174	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	171.000	171.000
0176	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	24.000	24.000
0178	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	1,319.000	1,319.000
0180	608.2414	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 14x23-Inch	LF	524.000	524.000
0182	608.2419	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	LF	2,839.000	2,839.000
0184	608.3012	Storm Sewer Pipe Class III-A 12-Inch	LF	8.000	8.000
0186	611.0530	Manhole Covers Type J	EACH	37.000	37.000
0188	611.0624	Inlet Covers Type H	EACH	59.000	59.000
0190	611.0639	Inlet Covers Type H-S	EACH	34.000	34.000
0192	611.0645	Inlet Covers Type MS-A	EACH	2.000	2.000
0194	611.0666	Inlet Covers Type Z	EACH	2.000	2.000
0196	611.1004	Catch Basins 4-FT Diameter	EACH	10.000	10.000
0198	611.1006	Catch Basins 6-FT Diameter	EACH	2.000	2.000
0200	611.1230	Catch Basins 2x3-FT	EACH	77.000	77.000
0202	611.2004	Manholes 4-FT Diameter	EACH	6.000	6.000
0204	611.2005	Manholes 5-FT Diameter	EACH	27.000	27.000

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Line	Item	Item Description	Unit	Total	Qty
0206	611.2006	Manholes 6-FT Diameter	EACH	2.000	2.000
0208	611.2008	Manholes 8-FT Diameter	EACH	1.000	1.000
0210	611.2044	Manholes 4x4-FT	EACH	2.000	2.000
0212	611.2066	Manholes 6x6-FT	EACH	2.000	2.000
0214	611.3230	Inlets 2x3-FT	EACH	3.000	3.000
0216	611.3901	Inlets Median 1 Grate	EACH	2.000	2.000
0218	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	45.000	45.000
0220	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	2,400.000	2,400.000
0222	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-Inch	SY	19.500	19.500
0224	616.0700.S	Fence Safety	LF	49.000	49.000
0226	619.1000	Mobilization	EACH	1.000	1.000
0228	620.0200	Concrete Median Blunt Nose	SF	55.000	55.000
0230	620.0300	Concrete Median Sloped Nose	SF	420.000	420.000
0232	623.0200	Dust Control Surface Treatment	SY	11,400.000	11,400.000
0234	624.0100	Water	MGAL	1,300.000	1,300.000
0236	625.0100	Topsoil	SY	10,200.000	10,200.000
0238	628.1504	Silt Fence	LF	1,260.000	1,260.000
0240	628.1520	Silt Fence Maintenance	LF	3,780.000	3,780.000
0242	628.1905	Mobilizations Erosion Control	EACH	6.000	6.000
0244	628.1910	Mobilizations Emergency Erosion Control	EACH	8.000	8.000
0246	628.2008	Erosion Mat Urban Class I Type B	SY	10,700.000	10,700.000
0248	628.7005	Inlet Protection Type A	EACH	96.000	96.000
0250	628.7010	Inlet Protection Type B	EACH	2.000	2.000
0252	628.7015	Inlet Protection Type C	EACH	88.000	88.000
0254	628.7020	Inlet Protection Type D	EACH	10.000	10.000
0256	628.7560	Tracking Pads	EACH	6.000	6.000
0258	629.0210	Fertilizer Type B	CWT	60.000	60.000
0260	630.0140	Seeding Mixture No. 40	LB	210.000	210.000
0262	630.0200	Seeding Temporary	LB	275.000	275.000
0264	630.0500	Seed Water	MGAL	235.000	235.000
0266	633.5200	Markers Culvert End	EACH	3.000	3.000
0268	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	1.000	1.000
0270	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	5.000	5.000
0272	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	1.000	1.000
0274	634.0620	Posts Wood 4x6-Inch X 20-FT	EACH	2.000	2.000
0276	634.0808	Posts Tubular Steel 2x2-Inch X 8-FT	EACH	2.000	2.000
0278	634.0809	Posts Tubular Steel 2x2-Inch X 9.5-FT	EACH	8.000	8.000
0280	634.0810	Posts Tubular Steel 2x2-Inch X 10-FT	EACH	12.000	12.000
0282	634.0811	Posts Tubular Steel 2x2-Inch X 11-FT	EACH	27.000	27.000
0284	634.0812	Posts Tubular Steel 2x2-Inch X 12-FT	EACH	16.000	16.000

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Line	Item	Item Description	Unit	Total	Qty
0286	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	4.000	4.000
0288	637.2210	Signs Type II Reflective H	SF	234.940	234.940
0290	637.2230	Signs Type II Reflective F	SF	90.500	90.500
0292	638.2102	Moving Signs Type II	EACH	124.000	124.000
0294	638.2602	Removing Signs Type II	EACH	31.000	31.000
0296	638.3000	Removing Small Sign Supports	EACH	39.000	39.000
0298	638.3150	Removing Overhead Sign Supports Cantilever (structure) 01. S-11-22	EACH	3.000	3.000
0300	638.4000	Moving Small Sign Supports	EACH	4.000	4.000
0302	642.5201	Field Office Type C	EACH	1.000	1.000
0304	643.0300	Traffic Control Drums	DAY	3,130.000	3,130.000
0306	643.0410	Traffic Control Barricades Type II	DAY	4,855.000	4,855.000
0308	643.0420	Traffic Control Barricades Type III	DAY	15,260.000	15,260.000
0310	643.0705	Traffic Control Warning Lights Type A	DAY	10,645.000	10,645.000
0312	643.0715	Traffic Control Warning Lights Type C	DAY	350.000	350.000
0314	643.0900	Traffic Control Signs	DAY	101,675.000	101,675.000
0316	643.0920	Traffic Control Covering Signs Type II	EACH	5.000	5.000
0318	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000
0320	643.5000	Traffic Control	EACH	1.000	1.000
0322	644.1410	Temporary Pedestrian Surface Asphalt	SF	3,500.000	3,500.000
0324	644.1420	Temporary Pedestrian Surface Plywood	SF	1,800.000	1,800.000
0326	644.1430	Temporary Pedestrian Surface Plate	SF	1,800.000	1,800.000
0328	644.1601	Temporary Pedestrian Curb Ramp	DAY	1,700.000	1,700.000
0330	644.1810	Temporary Pedestrian Barricade	LF	7,000.000	7,000.000
0332	645.0105	Geotextile Type C	SY	487.000	487.000
0334	645.0111	Geotextile Type DF Schedule A	SY	825.000	825.000
0336	645.0120	Geotextile Type HR	SY	204.000	204.000
0338	645.0140	Geotextile Type SAS	SY	15,200.000	15,200.000
0340	646.1020	Marking Line Epoxy 4-Inch	LF	13,545.000	13,545.000
0342	646.3020	Marking Line Epoxy 8-Inch	LF	750.000	750.000
0344	646.5020	Marking Arrow Epoxy	EACH	12.000	12.000
0346	646.5120	Marking Word Epoxy	EACH	4.000	4.000
0348	646.5220	Marking Symbol Epoxy	EACH	1.000	1.000
0350	646.6120	Marking Stop Line Epoxy 18-Inch	LF	385.000	385.000
0352	646.6464	Cold Weather Marking Epoxy 4-Inch	LF	3,040.000	3,040.000
0354	646.6468	Cold Weather Marking Epoxy 8-Inch	LF	150.000	150.000
0356	646.7120	Marking Diagonal Epoxy 12-Inch	LF	125.000	125.000
0358	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	2,330.000	2,330.000
0360	646.8120	Marking Curb Epoxy	LF	9,775.000	9,775.000
0362	646.8220	Marking Island Nose Epoxy	EACH	8.000	8.000

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Line	Item	Item Description	Unit	Total	Qty
0364	646.8320	Marking Parking Stall Epoxy	LF	555.000	555.000
0366	646.9000	Marking Removal Line 4-Inch	LF	935.000	935.000
0368	646.9100	Marking Removal Line 8-Inch	LF	250.000	250.000
0370	646.9200	Marking Removal Line Wide	LF	60.000	60.000
0372	649.0105	Temporary Marking Line Paint 4-Inch	LF	940.000	940.000
0374	650.4000	Construction Staking Storm Sewer	EACH	143.000	143.000
0376	650.4500	Construction Staking Subgrade	LF	6,320.000	6,320.000
0378	650.5000	Construction Staking Base	LF	6,320.000	6,320.000
0380	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	13,705.000	13,705.000
0382	650.8500	Construction Staking Electrical Installations (project) 01. 6918-01-72	LS	1.000	1.000
0384	650.9000	Construction Staking Curb Ramps	EACH	82.000	82.000
0386	650.9910	Construction Staking Supplemental Control (project) 01. 6918-01-72	LS	1.000	1.000
0388	650.9920	Construction Staking Slope Stakes	LF	6,650.000	6,650.000
0390	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	8,560.000	8,560.000
0392	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	2,945.000	2,945.000
0394	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	40.000	40.000
0396	653.0905	Removing Pull Boxes	EACH	15.000	15.000
0398	654.0101	Concrete Bases Type 1	EACH	8.000	8.000
0400	654.0102	Concrete Bases Type 2	EACH	5.000	5.000
0402	654.0105	Concrete Bases Type 5	EACH	77.000	77.000
0404	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	1.000	1.000
0406	654.0230	Concrete Control Cabinet Bases Type L30	EACH	1.000	1.000
0408	655.0230	Cable Traffic Signal 5-14 AWG	LF	1,518.000	1,518.000
0410	655.0250	Cable Traffic Signal 9-14 AWG	LF	1,627.000	1,627.000
0412	655.0305	Cable Type UF 2-12 AWG Grounded	LF	746.000	746.000
0414	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	1,723.000	1,723.000
0416	655.0610	Electrical Wire Lighting 12 AWG	LF	12,187.000	12,187.000
0418	655.0625	Electrical Wire Lighting 6 AWG	LF	54,166.000	54,166.000
0420	655.0700	Loop Detector Lead In Cable	LF	42.000	42.000
0422	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. WI ST & Dewitt ST	LS	1.000	1.000
0424	656.0200	Electrical Service Meter Breaker Pedestal (location) 02. (CB100)	LS	1.000	1.000
0426	657.0100	Pedestal Bases	EACH	8.000	8.000
0428	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	5.000	5.000
0430	657.0305	Poles Type 2	EACH	1.000	1.000
0432	657.0310	Poles Type 3	EACH	1.000	1.000
0434	657.0315	Poles Type 4	EACH	3.000	3.000
0436	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	5.000	5.000

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Line	Item	Item Description	Unit	Total	Qty
0438	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	2.000	2.000
0440	657.0430	Traffic Signal Standards Aluminum 10-FT	EACH	1.000	1.000
0442	657.0585	Trombone Arms 15-FT	EACH	2.000	2.000
0444	657.0609	Luminaire Arms Single Member 4-Inch Clamp 6-FT	EACH	1.000	1.000
0446	657.0610	Luminaire Arms Single Member 4 1/2-Inch Clamp 6-FT	EACH	3.000	3.000
0448	658.0173	Traffic Signal Face 3S 12-Inch	EACH	9.000	9.000
0450	658.0174	Traffic Signal Face 4S 12-Inch	EACH	3.000	3.000
0452	658.0416	Pedestrian Signal Face 16-Inch	EACH	6.000	6.000
0454	658.0500	Pedestrian Push Buttons	EACH	7.000	7.000
0456	658.5069	Signal Mounting Hardware (location) 01. Wisconsin Street & Dewitt Street	LS	1.000	1.000
0458	659.1120	Luminaires Utility LED B	EACH	4.000	4.000
0460	659.2130	Lighting Control Cabinets 120/240 30-Inch	EACH	1.000	1.000
0462	690.0150	Sawing Asphalt	LF	3,770.000	3,770.000
0464	690.0250	Sawing Concrete	LF	4,130.000	4,130.000
0466	740.0440	Incentive IRI Ride	DOL	1.000	1.000
0468	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,500.000	2,500.000
0470	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	3,200.000	3,200.000
0472	SPV.0060	Special 01. Tree Grates	EACH	15.000	15.000
0474	SPV.0060	Special 02. Abandon Existing Vault	EACH	1.000	1.000
0476	SPV.0060	Special 03. Adjusting Sanitary Manhole Cover	EACH	10.000	10.000
0478	SPV.0060	Special 04. Adjusting Water Valve Boxes	EACH	37.000	37.000
0480	SPV.0060	Special 05. Connection to Existing Manhole	EACH	1.000	1.000
0482	SPV.0060	Special 06. Inlet Covers Type H-D	EACH	5.000	5.000
0484	SPV.0060	Special 07. Storm Chamber 8 by 8-FT, MH 2.50	EACH	1.000	1.000
0486	SPV.0060	Special 08. Storm Chamber 8 by 8-FT, MH 4.10	EACH	1.000	1.000
0488	SPV.0060	Special 10. Remove Existing Electrical Service	EACH	5.000	5.000
0490	SPV.0060	Special 11. Remove Street Light Assembly	EACH	43.000	43.000
0492	SPV.0060	Special 12. Reinstall Salvaged Decorative Street Light Assembly	EACH	12.000	12.000
0494	SPV.0060	Special 13. Retrofit Luminaire Type A	EACH	4.000	4.000
0496	SPV.0060	Special 14. Retrofit Luminaire Type B	EACH	13.000	13.000
0498	SPV.0060	Special 15. Decorative Street Light Type A1	EACH	50.000	50.000
0500	SPV.0060	Special 16. Decorative Street Light Type A2	EACH	1.000	1.000
0502	SPV.0060	Special 17. Decorative Street Light Type B	EACH	8.000	8.000
0504	SPV.0060	Special 18. Decorative Street Light Type C	EACH	6.000	6.000
0506	SPV.0060	Special 20. Utility Line Opening (ULO)	EACH	2.000	2.000
0508	SPV.0060	Special 21. Roof Drain Tap	EACH	5.000	5.000
0510	SPV.0060	Special 22. Tree Root Cutting and Removal	EACH	1.000	1.000
0512	SPV.0060	Special 23. Wisconsin River Levee Emergency Action	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
		Plan			
0514	SPV.0060	Special 24. Wisconsin River Levee Emergency Response	EACH	1.000	1.000
0516	SPV.0090	Special 01. Reveal Curb	LF	25.000	25.000
0518	SPV.0090	Special 02. Remove, Paint, and Reinstall Historic Railing	LF	180.000	180.000
0520	SPV.0090	Special 03. Storm Sewer Pipe Class III-A 10-Inch	LF	62.000	62.000
0522	SPV.0105	Special 01. Cap Blocks Salvage and Reinstall	LS	1.000	1.000
0524	SPV.0105	Special 02. Temporary Bypass Pumping	LS	1.000	1.000
0526	SPV.0105	Special 03. Remove Traffic Signals (Wisconsin Street & Dewitt Street)	LS	1.000	1.000
0528	SPV.0105	Special 04. Electrical System Integrator	LS	1.000	1.000
0530	SPV.0105	Special 05. Salvage and Reinstall Communication Equipment (WI ST & Dewitt ST)	LS	1.000	1.000
0532	SPV.0105	Special 06. Furnish and Install Video Vehicle Detection System (WI ST & Dewitt ST)	LS	1.000	1.000
0534	SPV.0105	Special 07. Furnish & Install Traffic Signal Cabinet & Controller (WI ST & Dewitt ST)	LS	1.000	1.000
0536	SPV.0105	Special 08. Traffic Signal Modifications for Intersections (Dewitt St & STH 33/Cook St)	LS	1.000	1.000
0538	SPV.0105	Special 09. Locate and Replace Existing Property Monuments	LS	1.000	1.000
0540	SPV.0105	Special 10. Electrical Service Meter Breaker Pedestal Special (Wisconsin & Huron)	LS	1.000	1.000
0542	SPV.0105	Special 11. Electrical Service Meter Breaker Pedestal Special (Dewitt & Conant)	LS	1.000	1.000
0544	SPV.0165	Special 01. Wall Modular Block Mechanically Stabilized Earth (Levee Connection #1)	SF	825.000	825.000
0546	SPV.0165	Special 02. Wall Modular Block Mechanically Stabilized Earth (Levee Connection #2)	SF	675.000	675.000
0548	SPV.0165	Special 03. Concrete Sidewalk Thickened Edge	SF	600.000	600.000
0550	SPV.0165	Special 04. Sidewalk Vault Closure	SF	100.000	100.000
0552	SPV.0195	Special 01. Excavation, Hauling, and Disposal of Contaminated Soil (Bioremediation)	TON	2,450.000	2,450.000
0554	SPV.0195	Special 02. Excavating, Hauling, and Disposal of Contaminated Soil (Direct Landfill)	TON	2,800.000	2,800.000

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CLEARING & GRUBBING

CATEGORY	STAGE	STATION TO STATION	O/S	201.0120 CLEARING (ID)	201.0220 GRUBBING (ID)
0010	STAGE 1				
		DEWITT STREET			
		540+13 'DE'	RT	11	11
		540+89 'DE'	RT	7	7
		544+83 'DE'	RT	10	10
	STAGE 1 TOTAL			28	28
	STAGE 2				
		WISCONSIN STREET			
		113+82 'WI'	RT	29	29
		120+00 'WI'	RT	6	6
		120+32 'WI'	RT	6	6
		121+38 'WI'	RT	7	7
		121+95 'WI'	RT	7	7
		123+86 'WI'	RT	6	6
		125+00 'WI'	RT	7	7
		127+56 'WI'	RT	8	8
		127+77 'WI'	RT	6	6
		127+99 'WI'	RT	6	6
		128+93 'WI'	RT	5	5
		129+12 'WI'	RT	6	6
		129+33 'WI'	RT	5	5
		129+58 'WI'	RT	7	7
		129+74 'WI'	RT	7	7
		131+25 'WI'	RT	6	6
		121+57 'WI'	RT	8	8
		131+88 'WI'	RT	4	4
		132+18 'WI'	RT	7	7
		132+95 'WI'	RT	4	4
		133+36 'WI'	RT	6	6
		134+39 'WI'	RT	6	6
		135+29 'WI'	RT	3	3
		135+84 'WI'	RT	3	3
		136+95 'WI'	RT	9	9
		139+37 'WI'	RT	7	7
		139+63 'WI'	RT	4	4
		140+10 'WI'	RT	5	5
		140+34 'WI'	RT	6	6
		141+00 'WI'	RT	6	6
		141+28 'WI'	RT	6	6
		141+74 'WI'	RT	6	6
		143+66 'WI'	RT	6	6
		145+93 'WI'	RT	8	8
		146+28 'WI'	RT	8	8
	STAGE 2 TOTAL			235	235
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL				**263**	**263**
PROJECT 6918-01-72 TOTALS				**263**	**263**

REMOVING CONCRETE PAVEMENT

CATEGORY	STAGE	STATION TO STATION	204.0100 REMOVING CONCRETE PAVEMENT (SY)
0010	STAGE 1		
		DEWITT STREET	
		WISCONSIN STREET - COOK STREET	2,740
		COOK STREET - PLEASANT STREET	350
	STAGE 1 TOTAL		3,090
	STAGE 2		
		WISCONSIN STREET	
		BOP - WARRENS STREET	4,270
		WARRENS STREET - PAUQUETTE STREET	4,450
		PAUQUETTE STREET - BROOKS STREET	4,510
		BROOKS STREET - SUPERIOR STREET	4,530
		SUPERIOR STREET - WAUONA TRAIL	4,660
		WAUONA TRAIL - ERIE STREET	4,360
		ERIE STREET - EOP	2,430
	STAGE 2 TOTAL		29,210
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**32,300**
PROJECT 6918-01-72 TOTALS			**32,300**

REMOVING CURB & GUTTER

CATEGORY	STAGE	STATION TO STATION	204.0130 REMOVING CURB (LF)	204.0150 REMOVING CURB AND GUTTER (LF)
0010	STAGE 1			
		DEWITT STREET		
		WISCONSIN STREET - COOK STREET	—	40
		COOK STREET - PLEASANT STREET	—	1,210
	STAGE 1 TOTAL		—	1,250
	STAGE 2			
		WISCONSIN STREET		
		BOP - WARRENS STREET	—	370
		WARRENS STREET - PAUQUETTE STREET	—	240
		PAUQUETTE STREET - BROOKS STREET	—	90
		BROOKS STREET - SUPERIOR STREET	20	50
		SUPERIOR STREET - WAUONA TRAIL	—	110
		WAUONA TRAIL - ERIE STREET	130	110
		ERIE STREET - EOP	40	110
	STAGE 2 TOTAL		190	1,080
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**190**	**2,330**
PROJECT 6918-01-72 TOTALS			**190**	**2,330**

REMOVING ASPHALTIC SURFACE BUTT JOINTS

CATEGORY	STAGE	STATION TO STATION	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS (SY)
0010	STAGE 1		
		DEWITT STREET	
		WISCONSIN STREET - COOK STREET	27
		COOK STREET - PLEASANT STREET	75
	STAGE 1 TOTAL		102
	STAGE 2		
		WISCONSIN STREET	
		BOP - WARRENS STREET	38
		WARRENS STREET - PAUQUETTE STREET	43
		PAUQUETTE STREET - BROOKS STREET	23
		BROOKS STREET - SUPERIOR STREET	23
		SUPERIOR STREET - WAUONA TRAIL	25
		WAUONA TRAIL - ERIE STREET	24
		ERIE STREET - EOP	67
	STAGE 2 TOTAL		243
		UNDISTRIBUTED	20
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**365**
PROJECT 6918-01-72 TOTALS			**365**

REMOVING CONCRETE SIDEWALK

CATEGORY	STAGE	STATION TO STATION	204.0155 REMOVING CONCRETE SIDEWALK (SY)
0010	STAGE 1		
		DEWITT STREET	
		WISCONSIN STREET - COOK STREET	760
		COOK STREET - PLEASANT STREET	910
	STAGE 1 TOTAL		1,670
	STAGE 2		
		WISCONSIN STREET	
		BOP - WARRENS STREET	910
		WARRENS STREET - PAUQUETTE STREET	1,090
		PAUQUETTE STREET - BROOKS STREET	550
		BROOKS STREET - SUPERIOR STREET	295
		SUPERIOR STREET - WAUONA TRAIL	390
		WAUONA TRAIL - ERIE STREET	165
		ERIE STREET - EOP	--
	STAGE 2 TOTAL		3,400
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**5,070**
PROJECT 6918-01-72 TOTALS			**5,070**

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EARTHWORK

CATEGORY	STAGE	DIVISION	LOCATION	STATION - STATION	205.0100 Excavation Common (1) Cut (2) (CY)	205.0100 Excavation Common (1) EBS Excavation (3) (CY)	Available Material (5) (CY)	Reduced EBS in Fill (8) Factor 0.80 (CY)	Unexpanded Fill (CY)	Expanded Fill (10) Factor 1.25 (CY)	Mass Ordinate +/- (11) (CY)	Waste (CY)
0010	1	1	USH 51 NB (DEWITT STREET)	538+50 - 549+75	4,439	242	4,439	193	2	-239	4,678	4,678
	2	2	USH 51 (WISCONSIN STREET)	103+37 - 152+25	38,768	---	38,768	---	492	615	38,153	38,153
			EAST EDGEWATER STREET		553	28	553	22	2	-25	578	578
		Category 0010 Subtotal			43,760	270	43,760	216	496	351	43,409	43,409
Category 0010 Total Excavation Common					**44,030**		43,760	216	496	351	43,409	43,409
0020	1	1	USH 51 NB (DEWITT STREET)	PARKING LANE	400	---	---	---	---	---	---	---
		Category 0020 Subtotal			400	0	0	0	0	0	0	0
Category 0020 Total Excavation Common					**400**							
Total Excavation Common					**44,430**							

1) Common Excavation is the sum of the Cut and EBS Excavation columns
2) Salvaged/Unsuable Pavement Material is included in Cut
3) EBS Excavation to be backfilled with Select Crush Material
5) Available Material = Cut - Salvaged/Unusuable Pavement Material
8) Reduced EBS in Fill - Excavated EBS material is usuable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
10) Expanded Fill. Factor = 1.25
11) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

SELECT BORROW

208.1100

CATEGORY	STAGE	STATION TO STATION	(CY)
0010			
	STAGE 2		
		WISCONSIN STREET	
		BROOKS STREET - SUPERIOR STREET	355
		SUPERIOR STREET - WAUONA TRAIL	355
		WAUONA TRAIL - ERIE STREET	355
		ERIE STREET - EOP	295
	STAGE 2 TOTAL		1,360
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**1,360**
0030	STAGE 2		
		WISCONSIN STREET	
		LEVEE CONNECTION #1	50
		LEVEE CONNECTION #3	120
	STAGE 2 TOTAL		170
PROJECT 6918-01-72 - CATEGORY 0030 SUBTOTAL			**170**
PROJECT 6918-01-72 TOTALS			**1,530**

REMOVING CONCRETE STEPS, SUPPORTS, AND RAILINGS

204.9105.S
REMOVING CONCRETE STEPS, SUPPORTS, AND RAILINGS

CATEGORY	STATION TO STATION	OFFSET	(LS)
0010			
	WISCONSIN STREET	136+25	1
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**1**
PROJECT 6918-01-72 TOTALS			**1**

REMOVING MASONRY

204.0185

CATEGORY	STATION TO STATION	OFFSET	(CY)
0010			
	128+49.64 'WI' - 128+67.07 'WI'	RT	3
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**3**
PROJECT 6918-01-72 TOTALS			**3**

REMOVING TREE GRATES

204.9060.S
REMOVING TREE GRATES

CATEGORY	STATION	OFFSET	(EACH)
0010			
	540+13 'DE'	RT	1
	540+91 'DE'	RT	1
	544+83 'DE'	RT	1
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**3**
PROJECT 6918-01-72 TOTALS			**3**

REMOVING OLD STRUCTURE

203.0200
REMOVING OLD STRUCTURE
103+50 'WI'

CATEGORY	STATION TO STATION	OFFSET	(LS)
0010			
	WISCONSIN STREET	103+50	1
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**1**
PROJECT 6918-01-72 TOTALS			**1**

EXCAVATION FOR STRUCTURES

206.4000
EXCAVATION FOR STRUCTURES STRUCTURAL PLATE PIPE OR PIPE ARCHES
103+50 'WI'

CATEGORY	STATION TO STATION	OFFSET	(LS)
0010			
	WISCONSIN STREET	103+50	1
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**1**
PROJECT 6918-01-72 TOTALS			**1**

BASE AGGREGATE DENSE

CATEGORY	STAGE	STATION TO STATION	305.0110 3/4-INCH (TON)	305.0120 1 1/4-INCH (TON)
0010	STAGE 1			
		DEWITT STREET		
		WISCONSIN STREET - COOK STREET	150	1,150
		COOK STREET - PLEASANT STREET	250	2,300
	STAGE 1 TOTAL		400	3,450
	STAGE 2			
		WISCONSIN STREET		
		BOP - WARRENS STREET	315	4,350
		WARRENS STREET - PAUQUETTE STREET	230	4,400
		PAUQUETTE STREET - BROOKS STREET	155	4,160
		BROOKS STREET - SUPERIOR STREET	85	4,100
		SUPERIOR STREET - WAUONA TRAIL	125	4,610
		WAUONA TRAIL - ERIE STREET	---	4,500
		ERIE STREET - EOP	---	2,590
		LEVEE CONNECTION #2	80	---
		UNDISTRIBUTED	110	2,840
	STAGE 2 TOTAL		1,100	31,550
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**1,500**	**35,000**
0020	STAGE 1			
		DEWITT STREET		
		WISCONSIN STREET - COOK STREET	---	370
		COOK STREET - PLEASANT STREET	---	830
	STAGE 1 TOTAL		---	1,200
PROJECT 6918-01-72 - CATEGORY 0020 SUBTOTAL			**---**	**1,200**
0030	STAGE 2			
		WISCONSIN STREET		
		BOP - WARRENS STREET	75	---
		WARRENS STREET - PAUQUETTE STREET	105	---
		PAUQUETTE STREET - BROOKS STREET	65	---
		BROOKS STREET - SUPERIOR STREET	45	---
		SUPERIOR STREET - WAUONA TRAIL	50	---
		WAUONA TRAIL - ERIE STREET	140	---
		ERIE STREET - EOP	85	---
		LEVEE CONNECTION #1	40	---
		LEVEE CONNECTION #3	65	---
	STAGE 2 TOTAL		670	---
PROJECT 6918-01-72 - CATEGORY 0030 SUBTOTAL			**670**	**---**
PROJECT 6918-01-72 TOTALS			**2,170**	**36,200**

NOTE: CAT 0030 QUANTIFIES NEW SIDEWALK LOCATIONS ON WISCONSIN STREET AND CONCRETE TERRACE

SELECT CRUSHED MATERIAL

CATEGORY	STAGE	STATION TO STATION	312.0110 (TON)
0010	STAGE 1		
		DEWITT STREET	
		WISCONSIN STREET - COOK STREET	500
	STAGE 1 TOTAL		500
	STAGE 2		
		WISCONSIN STREET	
		BOP - WARRENS STREET	4,040
		WARRENS STREET - PAUQUETTE STREET	4,270
		PAUQUETTE STREET - BROOKS STREET	4,050
		BROOKS STREET - SUPERIOR STREET	3,970
		SUPERIOR STREET - WAUONA TRAIL	4,460
		WAUONA TRAIL - ERIE STREET	4,420
		ERIE STREET - EOP	2,550
	STAGE 2 TOTAL		27,760
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**28,260**
PROJECT 6918-01-72 TOTALS			**28,260**

CONCRETE DRIVEWAY

CATEGORY	STAGE	STATION TO STATION	416.0160 CONCRETE DRIVEWAY 6-INCH (SY)	416.0260 CONCRETE DRIVEWAY HES 6-INCH (SY)	620.0200 CONCRETE MEDIAN BLUNT NOSE (SF)	620.0300 CONCRETE MEDIAN SLOPED NOSE TYPE 1 (SF)	620.0300 CONCRETE MEDIAN SLOPED NOSE TYPE 2 (SF)
0010	STAGE 1						
		DEWITT STREET					
		WISCONSIN STREET - COOK STREET	85	---	---	---	---
		COOK STREET - PLEASANT STREET	185	---	---	---	---
		UNDISTRIBUTED	---	30	---	---	---
	STAGE 1 TOTAL		270	30	---	---	---
	STAGE 2						
		WISCONSIN STREET					
		BOP - WARRENS STREET	165	---	55	320	30
		WARRENS STREET - PAUQUETTE STREET	250	---	---	---	---
		PAUQUETTE STREET - BROOKS STREET	195	---	---	---	---
		BROOKS STREET - SUPERIOR STREET	270	---	---	---	---
		SUPERIOR STREET - WAUONA TRAIL	190	---	---	70	---
		WAUONA TRAIL - ERIE STREET	95	---	---	---	---
		ERIE STREET - EOP	50	---	---	---	---
		UNDISTRIBUTED	---	120	---	---	---
	STAGE 2 TOTAL		1,215	120	55	390	30
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**1,485**	**150**	**55**	390 **420**	30
PROJECT 6918-01-72 TOTALS			**1,485**	**150**	**55**	390 **420**	30

ASPHALT ITEMS

CATEGORY	STAGE	STATION TO STATION	450.4000 HMA COLD WEATHER PAVING (TON)	455.0605 TACK COAT (GAL)	460.6224 HMA PAVEMENT 4 MT 58-28 S (TON)	460.6424 HMA PAVEMENT 4 MT 58-28 H (TON)	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (TON)	465.0105 ASPHALTIC SURFACE (TON)
0010	STAGE 1							
		DEWITT STREET						
		WISCONSIN STREET - COOK STREET	---	90	290	130	20	---
		COOK STREET - PLEASANT STREET	---	185	595	260	20	---
	STAGE 1 TOTAL		---	275	885	390	40	---
	STAGE 2							
		WISCONSIN STREET						
		BOP - WARRENS STREET	---	305	970	425	30	40
		WARRENS STREET - PAUQUETTE STREET	---	330	1,050	460	40	---
		PAUQUETTE STREET - BROOKS STREET	---	310	985	430	50	---
		BROOKS STREET - SUPERIOR STREET	---	305	970	425	30	---
		SUPERIOR STREET - WAUONA TRAIL	---	330	1,050	465	60	---
		WAUONA TRAIL - ERIE STREET	---	340	1,090	475	50	---
		ERIE STREET - EOP	---	300	965	420	---	---
	STAGE 2 TOTAL		---	2,220	7,080	3,100	260	40
		UNDISTRIBUTED	1,250	5	36	11	---	---
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**1,250**	**2,500**	**8,000**	**3,500**	**300**	**40**
0020	STAGE 1							
		DEWITT STREET						
		WISCONSIN STREET - COOK STREET	---	20	55	25	---	---
		COOK STREET - PLEASANT STREET	---	40	130	60	---	---
	STAGE 1 TOTAL		---	60	185	85	---	---
		UNDISTRIBUTED	---	---	15	5	---	---
PROJECT 6918-01-72 - CATEGORY 0020 SUBTOTAL			**---**	**60**	**200**	**90**	**---**	**---**
PROJECT 6918-01-72 TOTALS			**1,250**	**2,560**	**8,200**	**3,590**	**300**	**40**

TEMPORARY SHORING

CATEGORY	STAGE	STATION TO STATION	511.1300.01 TEMPORARY SHORING (LEVEE CONNECTION 2) (SF)	511.1300.02 TEMPORARY SHORING (LEVEE CONNECTION 1) (SF)
0010				
	STAGE 2	LEVEE CONNECTION 2	700	---
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**700**	**---**
0030				
	STAGE 2	LEVEE CONNECTION 1	---	800
PROJECT 6918-01-72 - CATEGORY 0030 SUBTOTAL			**---**	**800**
PROJECT 6918-01-72 TOTALS			**700**	**800**

* QUANTITY ALSO SHOWN IN STORM SEWER MQ

LEVEE CONNECTION RETAINING WALL RAILING

CATEGORY	STATION	513.2001.01 RAILING PIPE (STEPS) (LF)	513.2001.02 RAILING PIPE (LEVEE RETAINING WALLS) (LF)	602.1500 CONCRETE STEPS (SF)	NOTES
0010					
	LEVEE CONNECTION 2	24	135	205	8'X8' CONCRETE PAD
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL		**24**	**135**	**205**	
0030					
	LEVEE CONNECTION 1	---	165	---	
PROJECT 6918-01-72 - CATEGORY 0030 SUBTOTAL		**---**	**165**	**---**	
PROJECT 6918-01-72 TOTALS		**24**	**300**	**205**	

3

RIPRAP

CATEGORY	STAGE	STATION TO STATION	OFFSET	606.0200 RIPRAP MEDIUM (CY)	645.0120* GEOTEXTILE FABRIC TYPE HR (SY)	NOTES W X L
0010	STAGE 2					
		WISCONSIN STREET				
		150+52 'WI'	RT	3	11	10' x 5'
	STAGE 2 TOTAL			3	11	---
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL				**3**	**11**	
PROJECT 6918-01-72 TOTALS				**3**	**11**	

* ITEM ALSO LISTING IN C-11-2052 PLAN

CONCRETE CURB & GUTTER

CATEGORY	STAGE	STATION TO STATION	601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D (LF)	601.0411 CONCRETE CURB & GUTTER 18-INCH TYPE D (REJECT) (LF)	601.0415 CONCRETE CURB & GUTTER 30-INCH TYPE D (LF)	601.0415 CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J (LF)	601.0600 CONCRETE CURB PEDESTRIAN (LF)	SPV.0090.01 REVEAL CURB (LF)
0010	STAGE 1							
		DEWITT STREET						
		WISCONSIN STREET - COOK STREET	---	---	680	---	---	20
		COOK STREET - PLEASANT STREET	---	---	1,190	30	---	5
	STAGE 1 TOTAL		---	---	1,870	30	---	25
	STAGE 2							
		WISCONSIN STREET						
		BOP - WARRENS STREET	---	65	1,860	---	5	---
		WARRENS STREET - PAUQUETTE STREET	20	---	1,610	---	30	---
		PAUQUETTE STREET - BROOKS STREET	---	---	1,600	---	55	---
		BROOKS STREET - SUPERIOR STREET	---	---	1,570	---	25	---
		SUPERIOR STREET - WAUONA TRAIL	370	---	1,660	---	---	---
		WAUONA TRAIL - ERIE STREET	10	---	1,660	---	---	---
		ERIE STREET - EOP	10	---	1,070	---	---	---
	STAGE 2 TOTAL		410	65	11,030	---	115	---
				475				
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			410	65	**12,900**	**30**	**115**	**25**
				475				
PROJECT 6918-01-72 TOTALS			410	65	**12,900**	**30**	**115**	**25**
				475				

PIPE ARCH

CATEGORY	STATION TO STATION	OFFSET	210.2500 BACKFILL STRUCTURE TYPE B (TON)	527.0345 PIPE ARCH STRUCTURAL PLATE 14-FT SPAN (LF)
0010				
	103+50 'WI'	LT	3,300	249
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**3,300**	**249**
PROJECT 6918-01-72 TOTALS			**3,300**	**249**

CONCRETE SIDEWALK

CATEGORY	STAGE	STATION TO STATION	602.0410 CONCRETE SIDEWALK 5-INCH (SF)	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW (SF)	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW (SF)	602.2400 CONCRETE SAFETY ISLANDS (SF)
0010	STAGE 1					
		DEWITT STREET				
		WISCONSIN STREET - COOK STREET	5,770	30	---	---
		COOK STREET - PLEASANT STREET	9,360	160	---	---
	STAGE 1 TOTAL		15,130	190	---	---
	STAGE 2					
		WISCONSIN STREET				
		BOP - WARRENS STREET	6,840	230	---	785
		WARRENS STREET - PAUQUETTE STREET	8,390	160	---	---
		PAUQUETTE STREET - BROOKS STREET	5,500	80	---	---
		BROOKS STREET - SUPERIOR STREET	3,040	40	18	---
		SUPERIOR STREET - WAUONA TRAIL	4,700	100	15	---
		LEVEE CONNECTION 2	2,960	20	---	---
	STAGE 2 TOTAL		31,430	630	33	785
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**46,560**	**820**	**33**	**785**
0030	STAGE 2					
		WISCONSIN STREET				
		BOP - WARRENS STREET	2,780	---	---	---
		WARRENS STREET - PAUQUETTE STREET	3,980	---	---	---
		PAUQUETTE STREET - BROOKS STREET	2,510	---	---	---
		BROOKS STREET - SUPERIOR STREET	1,730	---	---	---
		SUPERIOR STREET - WAUONA TRAIL	1,820	---	---	---
		WAUONA TRAIL - ERIE STREET	5,300	10	54	---
		ERIE STREET - EOP	3,070	40	31	---
		LEVEE CONNECTION 1	1,360	10	---	---
		LEVEE CONNECTION 3	2,300	20	---	---
	STAGE 2 TOTAL		24,850	80	85	---
PROJECT 6918-01-72 - CATEGORY 0030 SUBTOTAL			**24,850**	**80**	**85**	**---**
PROJECT 6918-01-72 TOTALS			**71,410**	**900**	**118**	**785**

STORM SEWER

CATEGORY	STATION	LOCATION	204.0210 REMOVING MANHOLES EACH	204.0215 REMOVING CATCH BASINS EACH	204.0245.01 REMOVING STORM SEWER (10-INCH) LF	204.0245.02 REMOVING STORM SEWER (12-INCH) LF	204.0245.03 REMOVING STORM SEWER (15-INCH) LF	204.0245.04 REMOVING STORM SEWER (18-INCH) LF	204.0245.05 REMOVING STORM SEWER (24-INCH) LF	204.0245.06 REMOVING STORM SEWER (36-INCH) LF	204.0291.S ABANDONING SEWER LF	REMARKS
0010	104'WI'+37 - 104'WI'+06	LT	2	–	–	–	–	–	–	43	–	OUTFALL
	104'WI'+06 - 538'DE'+90		1	–	–	–	–	–	–	47	–	
	538'DE'+90 - 539'DE'+65	RT	1	–	–	–	–	–	108	–	–	
	539'DE'+65 - 539'DE'+85	RT & LT	--	1	–	52	–	–	–	–	–	
	539'DE'+65 - 539'DE'+85	RT	--	1	–	28	–	–	–	–	–	
	539'DE'+65 - 542'DE'+07	RT	--	–	–	–	–	–	252	–	–	
	543'DE'+93 - 546'DE'+30	RT	--	–	–	235	–	–	–	–	–	
	546'DE'+30 - 546'DE'+35	RT	--	1	–	9	–	–	–	–	–	
	546'DE'+30 - 546'DE'+43	RT & LT	--	1	–	55	–	–	–	–	–	
	546'DE'+30 - 548'DE'+89	RT	--	–	–	265	–	–	–	–	–	
	546'DE'+43 - 549'DE'+00	RT	--	1	–	13	–	–	–	–	–	
	549'DE'+00 - 549'DE"+17	RT	--	–	–	73	–	–	–	–	–	
	100'WI'+39 - 101'WI'+00	LT	1	–	–	61	–	–	–	–	–	
	100'WI'+57 - 101'WI'+00	RT & LT	--	1	–	55	–	–	–	–	–	
	101'WI'+00 - 101'WI'+02	LT	--	1	–	14	–	–	–	–	–	
	101'WI'+00 - 102'WI'+71	RT & LT	1	–	–	–	177	–	–	–	–	
	102'WI'+71	RT	--	–	–	–	36	–	–	–	9	OUTFALL
	102'WI'+71	RT	--	1	–	12	–	–	–	–	–	
	103'WI'+47 - 103'WI'+86	LT	--	1	–	39	–	–	–	–	–	OUTFALL
	103'WI'+86 - 103'WI'+90	LT	--	1	–	8	–	–	–	–	–	
	103'WI'+90 - 104'WI'+41	LT	--	1	–	58	–	–	–	–	–	
	104'WI'+41 - 104'WI'+57	LT	--	–	–	–	–	–	–	50	–	
	104'WI'+41 - 104'WI'+62	RT & LT	--	1	–	100	–	–	–	–	–	
	104'WI'+41 - 105'WI'+10	LT	--	1	–	–	77	–	–	–	–	
	105'WI'+10 - 106'WI'+40	LT	--	1	–	–	130	–	–	–	–	
	106'WI'+40 - 108'WI'+65	LT	--	1	–	–	–	225	–	–	–	
	108'WI'+65	RT & LT	--	2	–	46	–	–	–	–	–	
	108'WI'+65 - 108'WI'+80	LT	--	–	–	–	–	14	–	–	–	
	108'WI'+80	RT & LT	1	–	–	54	–	–	–	–	–	
	108'WI'+80	LT	--	–	–	23	–	–	–	–	–	
	108'WI'+80 - 109'WI'+42	LT	--	1	–	62	–	–	–	–	–	
	109'WI'+42	RT & LT	--	1	–	46	–	–	–	–	–	
	109'WI'+42 - 112'WI'+56	LT	--	1	–	–	–	315	–	–	–	
	112'WI'+56	RT & LT	--	1	–	46	–	–	–	–	–	
	112'WI'+56 - 113'WI'+08	LT	1	–	–	54	–	–	–	–	–	
	113'WI'+08 - 113'WI'+27	LT	--	1	–	19	–	–	–	–	–	
	113'WI'+27 - 116'WI'+45	LT	1	–	318	–	–	–	–	–	–	
	116'WI'+46	LT	--	1	11	–	–	–	–	–	–	
	116'WI'+52 - 117'WI'+10	RT	--	1	–	58	–	–	–	–	–	
	117'WI'+10	RT & LT	2	–	–	–	–	66	–	–	–	
	117'WI'+10 - 117'WI'+20	LT	--	1	–	14	–	–	–	–	–	
	117'WI'+10	LT	--	–	–	10	–	–	–	–	–	
	117'WI'+10 - 124'WI'+80	RT	--	–	–	–	–	776	–	–	–	
	124'WI'+81	RT	1	1	–	6	–	–	–	–	–	
	124'WI'+80 - 132'WI'+65	RT	--	–	–	785	–	–	–	–	–	
	132'WI'+66	RT	1	1	–	7	–	–	–	–	–	
	141'WI'+50	RT	1	1	–	7	–	–	–	–	–	
	141'WI'+50 - 147'WI+50	RT	--	–	–	601	–	–	–	–	–	
	147'WI'+50	RT	1	1	–	6	–	–	–	–	–	
	147'WI'+50 - 150'WI+30	RT	--	–	–	175	–	–	–	–	98	OUTFALL
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**15**	**29**	**329**	**3,096**	**420**	**1,396**	**360**	**140**	**107**	
PROJECT 6918-01-72 TOTALS			**15**	**29**	**329**	**3,096**	**420**	**1,396**	**360**	**140**	**107**	

STORM SEWER PIPE

CATEGORY	FROM	-	TO	608.0312 CLASS III 12-INCH (LF)	608.0315 CLASS III 15-INCH (LF)	608.0318 CLASS III 18-INCH (LF)	608.0324 CLASS III 24-INCH (LF)	608.0330 CLASS 30-INCH (LF)	608.0412 CLASS IV 12-INCH (LF)	608.0415 CLASS IV 15-INCH (LF)	608.0418 CLASS IV 18-INCH (LF)	608.0424 CLASS IV 24-INCH (LF)	608.2414 HORIZONTAL ELLIPTICAL CLASS HE-IV 14x23-INCH (LF)	608.2419 HORIZONTAL ELLIPTICAL CLASS HE-IV 19x30-INCH (LF)	SPV.0090.03 CLASS III-A 10-INCH (LF)	608.3012 CLASS III-A 12-INCH (LF)	JOINT TIES* EACH	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT	REMARKS
				STORM SEWER PIPE / REINFORCED CONCRETE									STORM SEWER PIPE								
0010	CC2.00	-	2.00	15	–	–	–	–	–	--	--	–	--	–	--	–		790.58	790.50	0.0051	
	2.01	-	2.12	23	–	–	–	–	–	--	--	–	--	–	--	–		791.44	790.70	0.0329	
	2.02	-	2.00	8	–	–	–	–	–	--	--	–	--	–	--	–		791.34	791.32	0.0025	
	2.00	-	2.10	--	–	–	56	–	–	--	--	–	--	–	--	–		790.05	789.12	0.0166	STAGE 2
	2.11	-	2.10	--	65	–	–	–	–	--	--	–	--	–	--	–		790.27	789.87	0.0062	
	2.13	-	2.10	8	–	–	–	–	–	--	--	–	--	–	--	–		790.14	790.12	0.0029	
	2.10	-	2.20	--	–	–	103	–	–	--	--	–	--	–	--	–		789.12	787.41	0.0166	STAGE 2
	2.12	-	2.11	51	–	–	–	–	–	--	--	–	--	–	--	–		790.70	790.52	0.0035	
	2.21	-	2.20	--	24	–	–	–	–	--	--	–	--	–	--	–		788.41	788.15	0.0108	
	2.20	-	2.30	--	–	–	57	–	–	--	--	–	--	–	--	–		787.41	786.11	0.0228	STAGE 2
	2.22	-	2.21	10	–	–	–	–	–	--	--	–	--	–	--	–		788.77	788.66	0.0113	
	2.23	-	2.22	19	–	–	–	–	–	--	--	–	--	–	--	–		789.01	788.77	0.0126	
	2.31	-	2.30	13	–	–	–	–	–	--	--	–	--	–	--	–		787.57	787.41	0.0126	
	2.32	-	2.30	7	–	–	–	–	–	--	--	–	--	–	--	–		787.54	787.41	0.0200	
	2.30	-	2.35	--	–	–	94	–	–	--	--	–	--	–	--	–		786.11	784.48	0.0173	STAGE 2
	2.35		2.40	--	–	–	39	–	–	--	--	–	--	–	--	–		784.48	784.00	0.0123	STAGE 2
	2.33	-	2.32	8	–	–	–	–	–	--	--	–	--	–	--	–		788.02	787.90	0.0151	
	2.34	-	2.33	36	–	–	–	–	–	--	--	–	--	–	--	–		788.58	788.02	0.0156	
	2.41	-	2.40	--	56	–	–	–	–	--	--	–	--	–	--	–		788.39	787.93	0.0082	STAGE 1 & 2
	2.40	-	2.50	--	–	–	25	–	–	--	--	–	--	–	--	–		784.00	782.97	0.0412	STAGE 2
	2.50	-	2.60	--	–	–	–	29	–	--	--	–	--	–	--	–		782.47	782.02	0.0155	STAGE 2
	2.60	-	OF 2	--	–	–	–	28	–	--	--	–	--	–	--	–		782.02	781.58	0.0161	STAGE 2
	10" HDPE	-	2.60	--	–	–	–	–	–	--	--	–	--	–	54	–		–	*783.76	–	
	3.17	-	CC3.18	38	–	–	–	–	–	--	--	–	--	–	--	–		808.19	808.00	0.0050	
	3.16	-	3.17	35	–	–	–	–	–	--	--	–	--	–	--	–		808.36	808.19	0.0049	
	3.15	-	3.16	29	–	–	–	–	–	--	--	–	--	–	--	–		808.52	808.36	0.0055	
	3.14	-	3.15	44	–	–	–	–	–	--	--	–	--	–	--	–		808.74	808.52	0.0050	
	3.31	-	3.33	29	–	–	–	–	–	--	--	–	--	–	--	–		804.38	804.10	0.0097	
	10" HDPE	-	3.31	--	–	–	–	–	–	--	--	–	--	–	8	–		–	–	–	
	3.33	-	3.30	38	–	–	–	–	–	--	--	–	--	–	--	–		804.10	803.75	0.0095	
	3.34	-	3.33	27	–	–	–	–	–	--	--	–	--	–	--	–		804.36	804.10	0.0096	
	3.32	-	3.30	13	–	–	–	–	–	--	--	–	--	–	--	–		803.91	803.75	0.0130	
	3.37	-	3.32	23	–	–	–	–	–	--	--	–	--	–	--	–		804.14	803.91	0.0100	
	3.35	-	3.30	29	–	–	–	–	–	--	--	–	--	–	--	–		804.13	803.75	0.0131	
	3.30	-	3.40	--	–	–	47	–	–	--	--	–	--	–	--	–		802.75	802.15	0.0128	
	3.40	-	3.50	--	–	–	197	–	–	--	--	–	--	–	--	–		802.15	799.89	0.0115	
	3.41	-	3.40	35	–	–	–	–	–	--	--	–	--	–	--	–		803.26	803.15	0.0031	
	3.50	-	CC3.50	10	–	–	–	–	–	--	--	–	--	–	--	–		799.89	799.77	0.0119	
	3.70	-	2.50	--	–	–	–	–	–	--	--	185	--	–	--	–		783.79	782.73	0.0057	STAGE 1 & 2
	3.71	-	3.70	36	–	–	–	–	–	--	--	–	--	–	--	–		793.22	793.04	0.0050	
	3.72	-	3.70	7	–	–	–	–	–	--	--	–	--	–	--	–		793.05	793.02	0.0051	
	CC3.70	-	3.70	--	–	–	–	–	–	--	--	209	--	–	--	–		785.15	783.79	0.0065	
	4.101	-	4.100	--	–	–	–	–	42	--	--	–	--	–	--	–		785.30	784.21	0.0265	
	4.103	-	4.100	--	–	–	–	–	–	8	--	–	--	–	--	–		785.04	784.04	0.1333	
	4.102	-	4.101	--	–	–	–	–	34	--	--	–	--	–	--	–		785.41	785.31	0.0029	
	4.104	-	4.103	--	–	–	–	–	–	29	--	–	--	–	--	–		785.13	785.04	0.0031	
			SUBTOTAL	589	145	0	618	57	76	37	0	394	0	0	62	0					

STORM SEWER PIPE

CATEGORY	FROM	-	TO	608.0312 CLASS III 12-INCH (LF)	608.0315 CLASS III 15-INCH (LF)	608.0318 CLASS III 18-INCH (LF)	608.0324 CLASS III 24-INCH (LF)	######## CLASS 30-INCH (LF)	608.0412 CLASS IV 12-INCH (LF)	608.0415 CLASS IV 15-INCH (LF)	608.0418 CLASS IV 18-INCH (LF)	608.0424 CLASS IV 24-INCH (LF)	608.2414 HORIZONTAL ELLIPTICAL CLASS HE-IV 14x23-INCH (LF)	608.2419 HORIZONTAL ELLIPTICAL CLASS HE-IV 19x30-INCH (LF)	SPV.0090.03 CLASS III-A 10-INCH (LF)	608.3012 CLASS III-A 12-INCH (LF)	JOINT TIES* EACH	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT	REMARKS
				STORM SEWER PIPE																	
				REINFORCED CONCRETE																	
0010			SUBTOTAL	589	145	0	618	57	76	37	0	394	0	0	62	0					
	4.10	-	OF 4	–	–	–	–	–	--	–	–	54	--	–	--	–		781.07	780.91	0.0030	
	4.20	-	4.10	–	–	–	–	–	--	–	–	31	--	–	--	–		781.15	781.07	0.0026	
	4.21	-	4.23	–	–	–	–	–	27	–	–	–	--	–	--	–		786.84	786.60	0.0089	
	4.23	-	4.24	5	–	–	–	–	--	–	–	–	--	–	--	–		786.60	786.56	0.0090	
	4.24	-	4.20	19	–	–	–	–	--	–	–	–	--	–	--	–		786.56	786.39	0.0089	
	4.20	-	4.22	–	–	–	–	–	8	–	–	–	--	–	--	–		781.17	781.15	0.0030	
	4.20	-	4.30	–	–	–	–	–	--	–	–	166	--	–	--	–		781.61	781.17	0.0027	
	4.25	-	4.22	–	–	39	–	–	--	–	–	–	--	–	--	–		781.65	781.46	0.0050	
	4.25	-	CC HDPE	7	–	–	–	–	--	–	–	–	--	–	--	–		–	*782.34	--	
	CC HDPE	-	12" HDPE	–	–	–	–	–	--	–	–	–	--	–	--	8		–	782.37	--	
	4.31	-	4.30	–	–	–	–	–	42	–	–	–	--	–	--	–		786.05	785.92	0.0031	
	4.32	-	4.30	–	–	–	–	–	11	–	–	–	--	–	--	–		785.96	785.92	0.0030	
	4.40	-	4.30	–	–	–	–	–	--	–	–	225	--	–	--	–		782.20	781.61	0.0026	
	4.41	-	4.40	–	–	–	–	–	42	–	–	–	--	–	--	–		785.00	784.88	0.0029	
	4.43	-	4.40	–	–	–	–	–	--	8	–	–	--	–	--	–		784.65	784.63	0.0031	
	4.50	-	4.40	–	–	–	–	–	--	–	–	193	--	–	--	–		782.69	782.20	0.0025	
	4.42	-	4.41	–	–	–	–	–	21	–	–	–	--	–	--	–		785.05	785.00	0.0024	
	CC4.42	-	4.42	8	–	–	–	–	--	–	–	–	--	–	--	–		786.17	786.06	0.0138	
	4.44	-	4.43	–	–	–	–	–	--	20	–	–	--	–	--	–		784.72	784.65	0.0035	
	4.45	-	4.44	–	–	–	–	–	50	–	–	–	--	–	--	–		785.10	784.97	0.0026	
	CC4.47	-	4.44	–	–	–	–	–	23	–	–	–	--	–	--	–		785.74	785.62	0.0052	
	4.51	-	4.50	–	–	–	–	–	42	–	–	–	--	–	--	–		784.98	784.85	0.0031	
	4.53	-	4.50	–	–	–	–	–	8	–	–	–	--	–	--	–		784.88	784.83	0.0062	
	4.60	-	4.50	–	–	–	–	–	--	–	–	196	--	–	--	–		783.22	782.69	0.0027	
	4.52	-	4.51	–	–	–	–	–	48	–	–	–	--	–	--	–		785.12	784.98	0.0029	
	4.61	-	4.60	–	–	–	–	–	42	–	–	–	--	–	--	–		784.34	784.21	0.0031	
	4.64	-	4.60	–	–	–	–	–	9	–	–	–	--	–	--	–		784.24	784.21	0.0033	
	4.70	-	4.60	–	–	–	–	–	--	–	–	60	--	–	--	–		783.37	783.22	0.0025	
	4.62	-	4.61	–	–	–	–	–	81	–	–	–	--	–	--	–		784.57	784.34	0.0028	
	4.63	-	4.62	–	–	–	–	–	13	–	–	–	--	–	--	–		784.61	784.57	0.0031	
	CC4.70	-	4.70	–	–	–	–	–	12	–	–	–	--	–	--	–		785.85	785.80	0.0042	
	4.80	-	4.70	–	–	–	–	–	--	–	–	–	--	162	--	–		783.81	783.37	0.0027	
	4.81	-	4.80	–	–	–	–	–	45	–	–	–	--	–	--	–		785.14	784.39	0.0167	
	4.83	-	4.80	–	–	–	–	–	--	–	8	–	--	–	--	–		784.30	784.29	0.0023	
	4.90	-	4.80	–	–	–	–	–	--	–	–	–	93	–	--	–		783.94	783.81	0.0015	
	4.82	-	4.81	–	–	–	–	–	13	–	–	–	--	–	--	–		785.18	785.14	0.0039	
	4.84	-	4.83	–	–	–	–	–	31	–	–	–	--	–	--	–		784.89	784.80	0.0029	
	4.85	-	4.83	–	–	–	–	–	44	–	–	–	--	–	--	–		784.93	784.80	0.0030	
	4.100	-	4.90	–	–	–	–	–	--	–	–	–	63	–	--	–		784.04	783.94	0.0015	
	4.91	-	4.90	–	–	–	–	–	42	–	–	–	--	–	--	–		785.15	784.11	0.0247	
	4.92	-	4.90	–	–	–	–	–	--	8	–	–	--	–	--	–		785.05	783.94	0.1382	
	4.93	-	4.92	–	–	–	–	–	24	–	–	–	--	–	--	–		785.12	785.05	0.0030	
	5.00	-	CC5.00	–	–	–	–	–	--	–	8	–	--	–	--	–		783.08	783.06	0.0031	
	5.01	-	5.00	–	–	–	–	–	--	6	–	–	--	–	--	–		783.48	783.41	0.0117	
	5.02	-	5.00	–	–	–	–	–	--	–	–	–	--	26	--	–		783.19	783.08	0.0040	
	5.03	-	5.02	–	–	–	–	–	57	–	–	–	--	–	--	–		783.36	783.18	0.0032	
	5.10	-	5.02	–	–	–	–	–	--	–	–	–	--	42	--	–		783.37	783.19	0.0045	
	5.11	-	5.10	–	–	–	–	–	8	–	–	–	--	–	--	–		783.73	783.71	0.0032	
	5.21	-	5.20	–	–	–	–	–	8	–	–	–	--	–	--	–		784.80	784.13	0.0884	
	5.22	-	5.20	–	–	–	–	–	--	42	–	–	--	–	--	–		784.72	783.88	0.0200	
			SUBTOTAL	628	145	39	618	57	825	120	16	1319	156	230	62	8					

STORM SEWER PIPE

CATEGORY	FROM	-	TO	608.0312 CLASS III 12-INCH (LF)	608.0315 CLASS III 15-INCH (LF)	608.0318 CLASS III 18-INCH (LF)	608.0324 CLASS III 24-INCH (LF)	608.0330 CLASS 30-INCH (LF)	608.0412 CLASS IV 12-INCH (LF)	608.0415 CLASS IV 15-INCH (LF)	608.0418 CLASS IV 18-INCH (LF)	608.0424 CLASS IV 24-INCH (LF)	608.2414 HORIZONTAL ELLIPTICAL CLASS HE-IV 14x23-INCH (LF)	608.2419 HORIZONTAL ELLIPTICAL CLASS HE-IV 19x30-INCH (LF)	SPV.0090.03 CLASS III-A 10-INCH (LF)	608.3012 CLASS III-A 12-INCH (LF)	JOINT TIES* EACH	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT	REMARKS
				STORM SEWER PIPE / REINFORCED CONCRETE									STORM SEWER PIPE								
0010			SUBTOTAL	628	145	39	618	57	825	120	16	1319	156	230	62	8					
	5.20	-	5.10	–	--	–	--	–	–	--	–	--	–	179	–	–		783.55	783.37	0.0010	
	5.30	-	5.20	–	--	–	--	–	–	--	–	--	–	250	–	–		783.80	783.55	0.0010	
	5.23	-	5.22	–	--	–	--	–	39	--	–	--	–	–	–	–		785.08	784.97	0.0028	
	5.24	-	5.22	–	--	–	--	–	73	--	–	--	–	–	–	–		785.20	784.97	0.0032	
	5.40	-	5.30	–	--	–	--	–	–	--	–	--	–	271	–	–		784.07	783.80	0.0010	
	5.41	-	5.40	–	--	–	--	–	–	--	–	--	8	–	–	–		785.55	784.49	0.1419	
	5.42	-	5.40	–	--	–	--	–	–	--	–	--	43	–	–	–		785.65	784.49	0.0276	
	5.50	-	5.40	–	--	–	--	–	–	--	–	--	–	85	–	–		784.15	784.07	0.0010	
	5.51	-	5.50	–	--	–	--	–	–	--	–	--	8	–	–	–		785.64	784.57	0.1508	
	5.53	-	5.50	–	--	–	--	–	–	--	–	--	42	–	–	–		785.74	784.57	0.0279	
	5.60	-	5.50	–	--	–	--	–	–	--	–	--	–	196	–	–		784.35	784.15	0.0010	
	5.52	-	5.51	–	--	–	--	–	8	--	–	--	–	–	–	–		785.83	785.81	0.0027	
	5.54	-	5.53	–	--	–	--	–	8	--	–	--	–	–	–	–		785.93	785.91	0.0025	
	5.61	-	5.60	–	--	–	--	–	8	--	–	--	–	–	–	–		786.00	784.93	0.1431	
	5.62	-	5.60	–	--	–	--	–	–	--	–	--	42	–	–	–		785.94	784.77	0.0279	
	5.70	-	5.60	–	--	–	--	–	–	--	–	--	–	201	–	–		784.55	784.35	0.0010	
	5.80	-	5.70	–	--	–	--	–	–	--	–	--	–	201	–	–		784.75	784.55	0.0010	
	5.81	-	5.80	–	--	–	--	–	–	--	–	--	8	–	–	–		786.24	785.17	0.1433	
	5.82	-	5.80	–	--	–	--	–	–	--	–	--	42	–	–	–		786.26	785.17	0.0260	
	5.90	-	5.80	–	--	–	--	–	–	--	–	--	–	201	–	–		784.95	784.75	0.0010	
	5.83	-	5.82	–	--	–	--	–	111	--	–	--	–	–	–	–		786.75	786.42	0.0030	
	5.91	-	5.90	–	--	–	--	–	–	9	–	--	–	–	–	–		785.90	785.28	0.0759	
	5.94	-	5.90	–	--	–	--	–	–	42	–	--	–	–	–	–		786.06	785.28	0.0186	
	5.92	-	5.91	–	--	–	--	–	9	--	–	--	–	–	–	–		786.17	786.15	0.0029	
	5.93	-	5.91	–	--	–	--	–	8	--	–	--	–	–	–	–		786.17	786.15	0.0030	
	5.95	-	5.94	–	--	–	--	–	13	--	–	--	–	–	–	–		786.35	786.31	0.0031	
	5.96	-	5.94	–	--	–	--	–	11	--	–	--	–	–	–	–		786.34	786.31	0.0027	
	5.100		5.90	–	--	–	--	–	144	--	–	--	–	–	–	–		785.09	784.95	0.0010	
	6.01	-	6.00	–	--	–	--	–	11	--	–	--	–	–	–	–		786.19	786.16	0.0029	
	6.02	-	6.00	–	--	–	--	–	42	--	–	--	–	–	–	–		786.28	786.16	0.0029	
	6.00	-	6.10	–	--	–	--	–	–	--	–	--	123	–	–	–		785.99	785.64	0.0028	
	6.11	-	6.10	–	--	–	--	–	–	--	–	--	8	–	–	–		785.66	785.64	0.0031	
	6.12	-	6.10	–	--	–	--	–	–	--	–	--	44	–	–	–		785.77	785.65	0.0027	
	6.10	-	6.20	–	--	–	--	–	–	--	–	--	–	111	–	–		785.22	784.94	0.0025	
	6.21	-	6.20	8	--	–	--	–	–	--	–	--	–	–	–	–		785.55	785.53	0.0029	
	6.23	-	6.20	–	--	–	--	–	42	--	–	--	–	–	–	–		785.65	785.53	0.0029	
	6.30	-	6.20	–	--	–	--	–	–	--	–	--	–	161	–	–		784.94	784.94	0.0000	
	6.22	-	6.21	–	--	–	--	–	9	--	–	--	–	–	–	–		785.58	785.55	0.0033	
	6.24	-	6.23	–	--	–	--	–	9	--	–	--	–	–	–	–		785.68	785.65	0.0033	
	6.31	-	6.30	–	--	–	--	–	8	--	–	--	–	–	–	–		785.55	785.53	0.0025	
	6.32	-	6.30	–	--	–	--	–	42	--	–	--	–	–	–	–		785.65	785.53	0.0029	
	6.40	-	6.30	–	--	–	--	–	–	--	–	--	–	201	–	–		784.94	784.94	0.0000	
	6.41	-	6.40	–	--	–	--	–	8	--	–	--	–	–	–	–		785.55	785.53	0.0031	
	6.42	-	6.40	–	--	–	--	–	42	--	–	--	–	–	–	–		785.65	785.53	0.0029	
	6.50	-	6.40	–	--	–	--	–	–	--	–	--	–	302	–	–		784.94	784.94	0.0000	
	6.51	-	6.50	–	--	–	--	–	–	--	8	--	–	–	–	–		785.07	785.03	0.0050	
	6.53	-	6.50	–	--	–	--	–	45	--	–	--	–	–	–	–		785.65	785.53	0.0027	
	6.60	-	6.50	–	--	–	--	–	–	--	–	--	–	151	–	–		784.94	784.94	0.0000	
	6.52	-	6.51	–	--	–	--	–	56	--	–	--	–	–	–	–		785.69	785.56	0.0023	
	6.60	-	OF 6	–	--	–	--	–	–	--	–	--	–	99	–	–		784.94	784.94	0.0000	
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL				**635**	**145**	**39**	**618**	**57**	**1569**	**171**	**24**	**1319**	**524**	**2839**	**62**	**8**					
PROJECT 6918-01-72 TOTALS				**635**	**145**	**39**	**618**	**57**	**1569**	**171**	**24**	**1319**	**524**	**2839**	**62**	**8**					

* NON-BID ITEM: FOR INFORMATION ONLY

3

STORM SEWER STRUCTURE

CATEGORY	STRUCTURE	STATION	OFFSET*	ALI	520.8000**** CONCRTE COLLARS FOR PIPE (EACH)	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH (EACH)	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH (EACH)	522.2619 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 19X30-INCH (EACH)	SPV.0060.05 CONNECTION TO EXISTING MANHOLE (EACH)	SPV.0060.07 STORM CHAMBER 8 BY 8-FT MH 2.50 (EACH)	SPV.0060.08 STORM CHAMBER 8 BY 8-FT MH 4.10 (EACH)	650.4000 **** CONSTRUCTION STAKING STORM SEWER (EACH)	RIM N	INVERT ** N	DEPTH *** FT	REMARKS
0010	CC2.00	100+40	16.5' LT	WI	1	–	--	–	--	--	–	–	--	791.23	--	
	CC3.18	20+05	31.0' LT	EP	–	–	--	–	1	--	–	–	--	808.00	--	
	CC3.50	543+82	22.5' RT	DE	1	–	--	–	--	--	–	–	--	799.77	--	
	CC4.42	108+81	32.5' RT	WI	1	–	--	–	--	--	–	–	--	786.17	--	
	CC4.47	108+84	46.8' LT	WI	1	–	--	–	--	--	–	–	--	785.74	--	
	CC5.00	117+07	54.5' LT	WI	1	–	--	–	--	--	–	–	--	783.06	--	
	OF 2	104+37	123.3'LT	WI	–	–	1	–	--	--	–	1	--	781.58	--	
	OF 4	104+65	104.1' LT	WI	–	1	--	–	--	--	–	1	--	780.91	--	
	OF 6	150+41	60.0' RT	WI	–	–	--	1	--	--	–	1	--	784.94	--	
	CC3.70	542+07	15.9' RT	DE	1	–	--	–	--	--	–	–	--	785.15	--	
	CC4.70	113+09	28.1' LT	WI	1	–	--	–	--	--	–	–	--	785.85	--	
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL					**7**	**1**	**1**	**1**	**1**	**0**	**0**	**3**				
0060	2.50	104+00	84.4' LT	WI						1		1	793.29	782.47	10.82	
	4.10	104+47	54.8' LT	WI							1	1	792.43	782.47	9.96	
PROJECT 6918-01-72 - CATEGORY 0060 SUBTOTAL					**0**	**0**	**0**	**0**	**0**	**1**	**1**	**2**				
PROJECT 6918-01-72 TOTALS					**7**	**1**	**1**	**1**	**1**	**1**	**1**	**5**				

* STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

** FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE

*** DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6 -INCH ADJUSTMENT RING HEIGHT

**** QUANTITY FOUND ELSEWHERE

STORM SEWER STRUCTURE

CAT	STRUCTURE	STATION	OFFSET*	ALI	520.8000**** CONCRTE COLLARS FOR PIPE (EACH)	611.0530 MANHOLE COVERS TYPE J TYPE J (EACH)	611.0530 MANHOLE COVERS TYPE J LOW PROFILE (EACH)	611.0624 INLET COVERS TYPE H (EACH)	611.0639 INLET COVERS TYPE H-S (EACH)	611.0645 INLET COVERS TYPE MS-A (EACH)	611.0666 INLET COVERS TYPE Z (EACH)	SPV.0060.06 INLET COVERS TYPE H-D (EACH)	611.1004 CATCH BASINS (DIAMETER) 4-FT (EACH)	611.1006 CATCH BASINS (DIAMETER) 6-FT (EACH)	611.1230 CATCH BASINS (DIAMETER) 2X3-FT (EACH)	611.2004 MANHOLES (DIAMETER) 4-FT (EACH)	611.2005 MANHOLES (DIAMETER) 5-FT (EACH)	611.2006 MANHOLES (DIAMETER) 6-FT (EACH)	612.2008 MANHOLES (DIAMETER) 8-FT (EACH)	611.2044 MANHOLES 4X4-FT (EACH)	611.2066 MANHOLES 6X6-FT (EACH)	611.3230 INLETS 2X3-FT (EACH)	611.3901 INLETS MEDIAN 1 GRATE (EACH)	650.4000 **** CONSTRUCTION STAKING STORM SEWER (EACH)	RIM N	INVERT ** N	DEPTH *** FT	REM
0010	2.00	100+55	16.3' LT	WI	–	1	--	–	--	--	–	–	–	–	--	--	–	1	–	–	--	–	1	796.35	789.44	5.67	STA
	2.01	100+39	23.5' LT	WI	–	–	--	–	--	--	–	1	–	–	1	--	–	–	–	–	--	–	1	796.83	789.44	5.89	
	2.02	100+55	23.5' LT	WI	–	–	--	1	--	--	–	–	–	–	1	--	–	–	–	–	--	–	1	796.65	789.34	5.81	
	2.10	101+11	16.8' LT	WI	–	1	--	–	--	--	–	–	–	–	--	1	–	–	–	–	--	–	1	795.84	789.12	5.48	STA
	2.11	12+44	18.5' RT	WE	–	–	--	1	--	--	–	–	–	1	--	--	–	–	–	–	--	–	1	795.92	788.27	6.15	
	2.12	12+40	32.2' LT	WE	–	–	--	–	1	--	–	–	–	–	1	--	–	–	–	–	--	–	1	796.56	788.70	6.36	
	2.13	101+11	24.2' LT	WI	–	–	--	1	--	--	–	–	–	–	1	--	–	–	–	–	--	–	1	796.09	788.14	6.45	
	2.20	102+13	14.1' LT	WI	–	1	--	–	--	--	–	–	–	–	--	--	–	–	–	1	--	–	1	794.97	787.41	6.32	STA
	2.21	538+50	87.3' LT	DE	–	–	--	–	1	--	–	–	–	–	1	--	–	–	–	–	--	–	1	795.04	786.41	7.13	
	2.22	538+53	78.2' LT	DE	–	–	--	–	1	--	–	–	–	–	1	--	–	–	–	–	--	–	1	794.96	786.77	6.69	
	2.23	538+63	62.6' LT	DE	–	–	--	–	1	--	–	–	–	–	1	--	–	–	–	–	--	–	1	794.77	789.01	4.26	
	2.30	538+21	24.5' LT	DE	–	1	--	–	--	--	–	–	–	–	--	--	1	–	–	–	--	–	1	794.39	784.11	9.04	STA
	2.31	538+34	24.6' LT	DE	–	–	--	–	1	--	–	–	–	–	1	--	–	–	–	–	--	–	1	794.86	785.57	7.79	
	2.32	102+70	10.6' LT	WI	–	–	--	1	--	--	–	–	–	–	1	--	–	–	–	–	--	–	1	794.90	785.54	7.86	
	2.33	102+70	2.7' LT	WI	–	–	--	1	--	--	–	–	–	–	1	--	–	–	–	–	--	–	1	794.62	786.02	7.10	
	2.34	102+47	24.5' RT	WI	–	–	--	1	--	--	–	–	–	–	1	--	–	–	–	–	--	–	1	794.47	786.58	6.39	
	2.35	103+61	33.9' LT	WI	–	–	--	–	1	--	–	–	–	–	--	--	1	–	–	–	--	–	1	792.92	782.48	8.94	STA
	2.40	538+51	95.9' RT	DE	–	1	--	–	--	--	–	–	–	–	--	--	–	–	–	–	1	–	1	793.61	782.00	10.07	STA
	2.41	538+74	46.8' RT	DE	–	–	--	1	--	--	–	–	–	–	1	--	–	–	–	–	--	–	1	794.64	788.39	4.75	STA
	2.60	104+14	108.2' LT	WI	1	1	--	–	--	--	–	–	–	–	--	--	1	–	–	–	--	–	1	791.50	780.02	11.48	STA
	3.11	12+33	19.5' RT	WP	–	–	--	1	--	--	–	–	–	–	--	--	–	–	–	–	--	–	1	812.34	--	--	
	3.12	12+33	19.5' LT	WP	–	–	--	–	1	--	–	–	–	–	--	--	–	–	–	–	--	–	1	811.86	--	--	
	3.13	12+27	19.5' LT	WP	–	–	--	–	1	--	–	–	–	–	--	--	–	–	–	–	--	–	1	811.94	--	--	
	3.14	548+88	21.4' LT	DE	–	–	--	1	--	--	–	–	–	–	1	--	–	–	–	–	--	–	1	812.96	808.74	2.72	
	3.15	548+83	21.5' RT	DE	–	–	--	1	--	--	–	–	–	–	1	--	–	–	–	–	--	–	1	812.66	808.52	2.64	
	3.16	20+41	17.2' RT	EP	–	–	--	1	--	--	–	–	–	–	1	--	–	–	–	–	--	–	1	812.34	808.36	2.48	
	3.17	20+40	17.3' LT	EP	–	–	--	1	--	--	–	–	–	–	1	--	–	–	–	–	--	–	1	812.11	808.19	2.42	
	3.30	546+35	14.5' RT	DE	–	1	--	–	--	--	–	–	–	–	--	1	–	–	–	–	--	–	1	812.20	800.75	10.21	
	3.31	546+48	49.7' LT	DE	–	–	--	–	1	--	–	–	–	–	1	--	–	–	–	–	--	–	1	812.14	802.38	8.26	
	3.32	546+32	26.8' RT	DE	–	–	--	1	--	--	–	–	1	–	--	--	–	–	–	–	--	–	1	812.26	801.91	8.85	
	3.33	546+43	21.9' LT	DE	–	1	--	–	--	--	–	–	–	–	--	1	–	–	–	–	--	–	1	812.04	804.11	6.70	
	3.34	546+69	21.4' LT	DE	–	–	--	–	1	--	–	–	–	–	1	--	–	–	–	–	--	–	1	812.46	804.36	6.60	
	3.35	546+63	21.4' RT	DE	–	–	--	–	--	--	–	1	–	–	--	--	–	–	–	–	--	1	1	812.63	804.13	7.00	
	3.37	546+26	48.9' RT	DE	–	–	--	–	--	--	–	1	–	–	--	--	–	–	–	–	--	–	1	812.31	804.14	6.67	
	3.40	545+88	15.6' RT	DE	–	1	--	–	--	--	–	–	–	–	--	1	–	–	–	–	--	–	1	811.35	800.15	9.96	
	3.41	545+87	49.9' RT	DE	–	–	--	1	--	--	–	–	–	–	--	--	–	–	–	–	--	1	1	811.79	801.26	9.03	
	3.50	543+92	21.8' RT	DE	–	–	--	1	--	--	–	–	–	–	1	--	–	–	–	–	--	–	1	807.41	797.89	8.02	
	3.70	540+00	15.9' RT	DE	1	1	--	–	--	--	–	–	–	–	--	1	–	–	–	–	--	–	1	799.17	783.79	14.14	
	3.71	539+98	19.3' LT	DE	–	–	--	1	--	--	–	–	–	–	1	--	–	–	–	–	--	–	1	799.31	793.22	4.59	
	3.72	540+01	22.7' RT	DE	–	–	--	1	--	--	–	–	–	–	1	--	–	–	–	–	--	–	1	799.56	791.05	7.01	
	4.20	104+70	24.5' LT	WI	–	1	--	–	--	--	–	–	–	–	--	--	1	–	–	–	--	–	1	792.15	781.17	9.74	
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL					**2**	**11**	**0**	**17**	**10**	**0**	**0**	**3**	**1**	**1**	**21**	**5**	**4**	**1**	**0**	**1**	**1**	**2**	**0**	**41**				

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*** DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6 -INCH ADJUSTMENT RING HEIGHT

**** QUANTITY FOUND ELSEWHERE

STORM SEWER STRUCTURE

CAT	STRUCTURE	STATION	OFFSET*	ALI	520.8000**** CONCRTE COLLARS FOR PIPE (EACH)	611.0530 MANHOLE COVERS TYPE J TYPE J (EACH)	611.0530 MANHOLE COVERS TYPE J LOW PROFILE (EACH)	611.0624 INLET COVERS TYPE H (EACH)	611.0639 INLET COVERS TYPE H-S (EACH)	611.0645 INLET COVERS TYPE MS-A (EACH)	611.0666 INLET COVERS TYPE Z (EACH)	SPV.0060.006 INLET COVERS TYPE H-D (EACH)	611.1004 CATCH BASINS (DIAMETER) 4-FT (EACH)	611.1006 CATCH BASINS (DIAMETER) 6-FT (EACH)	611.1230 CATCH BASINS (DIAMETER) 2X3-FT (EACH)	611.2004 MANHOLES (DIAMETER) 4-FT (EACH)	611.2005 MANHOLES (DIAMETER) 5-FT (EACH)	611.2006 MANHOLES (DIAMETER) 6-FT (EACH)	612.2008 MANHOLES (DIAMETER) 8-FT (EACH)	611.2044 MANHOLES 4X4-FT (EACH)	611.2066 MANHOLES 6X6-FT (EACH)	611.3230 INLETS 2X3-FT (EACH)	611.3901 INLETS MEDIAN 1 GRATE (EACH)	650.4000 **** CONSTRUCTION STAKING STORM SEWER (EACH)	RIM N	INVERT ** N	DEPTH *** FT	REMARKS
PROJECT 6918-01-72 - CAT 0010 SUBTOTAL					2	11	0	17	10	0	0	3	1	1	21	5	4	1	0	1	1	2	0	41				
0010	4.21	104+70	24.5' RT	WI	–	–	--	1	--	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	792.40	784.84	6.06	
	4.22	104+70	31.7' LT	WI	–	–	--	1	--	–	–	–	–	–	--	--	1	--	--	–	–	–	–	1	792.46	784.46	6.50	
	4.23	104+67	1.4' LT	WI	–	–	--	1	--	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	792.00	784.46	6.04	
	4.24	104+67	6' LT	WI	–	–	--	1	--	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	792.73	784.56	6.67	
	4.25	105+08	29.2' LT	WI	–	–	--	1	--	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	791.86	781.65	8.71	
	4.30	106+36	17' LT	WI	–	1	--	–	--	–	–	–	–	–	--	--	1	--	--	–	–	–	–	1	791.52	781.61	8.67	
	4.31	106+33	24.4' RT	WI	–	–	--	1	--	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	791.83	784.05	6.28	
	4.32	106+33	27.6' LT	WI	–	–	--	1	--	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	791.75	783.96	6.29	
	4.40	108+60	17' LT	WI	–	1	--	–	--	–	–	–	–	–	--	--	1	--	--	–	–	–	–	1	790.74	782.20	7.30	
	4.41	108+61	24.5' RT	WI	–	–	--	1	--	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	791.04	783.00	6.54	
	4.42	108+81	24.5' RT	WI	–	–	--	1	--	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	790.49	783.05	5.94	
	4.43	108+61	24.5' LT	WI	–	–	--	1	--	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	791.04	782.65	6.89	
	4.44	108+80	25.0' LT	WI	–	1	--	–	--	–	–	–	–	–	--	--	–	--	--	–	1	–	–	1	790.81	784.72	4.85	
	4.45	109+27	40.6' LT	WI	–	–	--	–	1	–	–	–	–	–	--	--	–	--	--	–	–	1	–	1	790.70	785.10	4.10	
	4.50	110+52	17' LT	WI	–	1	--	–	--	–	–	–	–	–	--	--	1	--	--	–	–	–	–	1	790.08	782.69	6.15	
	4.51	110+52	24.5' RT	WI	–	–	--	1	--	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	790.38	782.98	5.90	
	4.52	111+00	24.5' RT	WI	–	–	--	–	--	–	–	1	–	–	1	--	–	--	--	–	–	–	–	1	790.16	785.12	3.54	
	4.53	110+52	24.5' LT	WI	–	–	--	1	--	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	790.38	782.88	6.00	
	4.60	112+48	17' LT	WI	–	1	--	–	--	–	–	–	–	–	--	--	1	--	--	–	–	–	–	1	789.40	783.22	4.94	
	4.61	112+45	24.5' RT	WI	–	–	--	1	--	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	790.63	782.34	6.79	
	4.62	113+26	24.5' RT	WI	–	–	--	–	1	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	790.35	782.57	6.28	
	4.63	113+27	36.9' RT	WI	–	–	--	–	--	1	–	–	–	–	--	--	–	--	--	–	–	–	1	1	790.68	784.61	6.07	MAY USE SIGNLE SLOPE OPTION MEDIAN GRATE IF NEEDED
	4.64	112+45	25.2' LT	WI	–	–	--	1	--	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	789.69	782.24	5.95	
	4.70	113+08	17' LT	WI	–	1	--	–	--	–	–	–	–	–	--	--	1	--	--	–	–	–	–	1	789.19	783.37	4.58	
	4.80	114+69	17' LT	WI	–	1	--	–	--	–	–	–	–	–	--	--	1	--	--	–	–	–	–	1	788.63	784.24	3.15	
	4.81	114+53	24.5' RT	WI	–	–	--	1	--	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	789.88	783.14	5.24	
	4.82	114+53	36.5' RT	WI	–	–	--	–	--	1	–	–	–	–	--	--	–	--	--	–	–	–	1	1	790.20	785.18	5.02	MAY USE SIGNLE SLOPE OPTION MEDIAN GRATE IF NEEDED
	4.83	114+69	24.5' LT	WI	–	–	--	1	--	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	788.93	782.30	5.13	
	4.84	114+99	24.5' LT	WI	–	–	--	1	--	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	788.35	782.89	3.96	
	4.85	114+26	24.5' LT	WI	–	–	--	1	--	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	788.60	782.93	4.17	
	4.90	115+62	17' LT	WI	–	1	--	–	--	–	–	–	–	–	--	--	1	--	--	–	–	–	–	1	788.31	783.94	3.13	
	4.91	115+62	24.5' RT	WI	–	–	--	1	--	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	789.48	783.15	4.83	
	4.92	115+62	24.5' LT	WI	–	–	--	1	--	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	788.56	783.05	4.01	
	4.93	115+85	24.5' LT	WI	–	–	--	1	--	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	788.49	783.12	3.87	
	4.100	116+24	17' LT	WI	–	–	1	–	--	–	–	–	–	–	--	--	1	--	--	–	–	–	–	1	788.18	784.04	3.31	LOW PROFILE CASTING
	4.101	116+24	24.5' RT	WI	–	–	--	–	1	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	789.38	783.30	4.58	
	4.102	116+58	24.5' RT	WI	–	–	--	–	1	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	789.39	783.41	4.48	
	4.103	116+24	24.5' LT	WI	–	–	--	–	1	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	788.48	783.04	3.94	
	4.104	116+53	29.4' LT	WI	–	–	--	–	1	–	–	–	–	–	1	--	–	--	--	–	–	–	–	1	788.37	783.13	3.74	
PROJECT 6918-01-72 - CAT 0010 SUBTOTAL					2	19	1	38	16	2	0	4	1	1	47	5	13	1	0	2	1	3	2	80				

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*** DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6 -INCH ADJUSTMENT RING HEIGHT

**** QUANTITY FOUND ELSEWHERE

STORM SEWER STRUCTURE

CAT	STRUCTURE	STATION	OFFSET*	ALI	520.8000**** CONCRTE COLLARS FOR PIPE (EACH)	611.0530 MANHOLE COVERS TYPE J (EACH)	611.0530 MANHOLE COVERS LOW PROFILE (EACH)	611.0624 INLET COVERS TYPE H (EACH)	611.0639 INLET COVERS TYPE H-S (EACH)	611.0645 INLET COVERS TYPE MS-A (EACH)	611.0666 INLET COVERS TYPE Z (EACH)	SPV.0060.006 INLET COVERS TYPE H-D (EACH)	611.1004 CATCH BASINS (DIAMETER) 4-FT (EACH)	611.1006 CATCH BASINS (DIAMETER) 6-FT (EACH)	611.1230 CATCH BASINS (DIAMETER) 2X3-FT (EACH)	611.2004 MANHOLES (DIAMETER) 4-FT (EACH)	611.2005 MANHOLES (DIAMETER) 5-FT (EACH)	611.2006 MANHOLES (DIAMETER) 6-FT (EACH)	612.2008 MANHOLES 8-FT (EACH)	611.2044 MANHOLES 4X4-FT (EACH)	611.2066 MANHOLES 6X6-FT (EACH)	611.3230 INLETS 2X3-FT (EACH)	611.3901 INLETS MEDIAN 1 GRATE (EACH)	650.4000 **** CONSTRUCTION STAKING STORM SEWER (EACH)	RIM N	INVERT ** N	DEPTH *** FT	REMARKS
PROJECT 6918-01-72-CAT 0010 SUBTOTAL					2	19	1	38	16	2	0	4	1	1	47	5	13	1	0	2	1	3	2	80				
0010	5.00	117+07	46.5' LT	WI	–	1	--	–	–	--	--	–	–	–	--	--	–	1	--	--	–	–	--	1	788.54	783.08	4.22	
	5.01	117+03	43.2' LT	WI	–	–	--	–	1	--	--	–	–	–	1	--	–	–	--	--	–	–	--	1	788.46	781.48	5.48	
	5.02	117+21	24.7' LT	WI	–	–	--	1	–	--	--	–	–	1	--	--	–	–	--	--	–	–	--	1	788.74	781.18	6.06	
	5.03	117+77	24.5' LT	WI	–	–	--	1	–	--	--	–	–	–	1	--	–	–	--	--	–	–	--	1	788.58	781.36	5.72	
	5.10	117+21	17' RT	WI	–	1	--	–	–	--	--	–	–	–	--	--	1	–	--	--	–	–	--	1	789.17	783.37	4.56	
	5.11	117+21	24.5' RT	WI	–	–	--	–	1	--	--	–	–	–	1	--	–	–	--	--	–	–	--	1	789.66	781.73	6.43	
	5.20	119+00	17' RT	WI	–	1	--	–	–	--	--	–	–	–	--	--	1	–	--	--	–	–	--	1	790.05	783.87	4.94	
	5.21	119+00	24.6' RT	WI	–	–	--	1	–	--	--	–	–	–	1	--	–	–	--	--	–	–	--	1	790.54	782.80	6.24	
	5.22	119+00	24.5' LT	WI	–	–	--	1	–	--	--	–	–	–	1	--	–	–	--	--	–	–	--	1	789.62	782.72	5.40	
	5.23	118+61	24.5' LT	WI	–	–	--	1	–	--	--	–	–	–	1	--	–	–	--	--	–	–	--	1	789.00	783.08	4.42	
	5.24	119+73	24.5' LT	WI	–	–	--	1	–	--	--	–	–	–	1	--	–	–	--	--	–	–	--	1	789.55	783.20	4.85	
	5.30	121+49	17' RT	WI	–	1	--	–	–	--	--	–	–	–	--	--	1	–	--	--	–	–	--	1	790.54	784.55	4.75	
	5.40	124+19	17' RT	WI	–	1	--	–	–	--	--	–	–	–	--	--	1	–	--	--	–	–	--	1	788.89	785.11	2.54	
	5.41	124+19	24.5' RT	WI	–	–	--	1	–	--	--	–	1	–	--	--	–	–	--	--	–	–	--	1	789.19	783.55	4.14	
	5.42	124+18	25.2' LT	WI	–	–	--	1	–	--	--	–	1	–	--	--	–	–	--	--	–	–	--	1	789.13	783.65	3.98	
	5.50	125+04	17' RT	WI	–	1	--	–	–	--	--	–	–	–	--	--	1	–	--	--	–	–	--	1	788.66	785.20	2.22	
	5.51	125+04	24.1' RT	WI	–	–	--	–	1	--	--	–	1	–	--	--	–	–	--	--	–	–	--	1	788.94	783.64	3.80	
	5.52	125+11	24' RT	WI	–	–	--	–	1	--	--	–	–	–	1	--	–	–	--	--	–	–	--	1	788.95	783.83	3.62	
	5.53	125+03	24.8' LT	WI	–	–	--	–	1	--	--	–	1	–	--	--	–	–	--	--	–	–	--	1	788.86	783.74	3.62	
	5.54	125+11	24.5' LT	WI	–	–	--	–	1	--	--	–	–	–	1	--	–	–	--	--	–	–	--	1	788.93	783.93	3.50	
	5.60	127+00	17' RT	WI	–	1	--	–	–	--	--	–	–	–	--	--	1	–	--	--	–	–	--	1	789.51	785.40	2.87	
	5.61	127+00	24.5' RT	WI	–	–	--	1	–	--	--	–	–	–	1	--	–	–	--	--	–	–	--	1	789.81	784.00	4.31	
	5.62	127+00	24.5' LT	WI	–	–	--	1	–	--	--	–	1	–	--	--	–	–	--	--	–	–	--	1	789.80	783.94	4.36	
	5.70	129+00	17' RT	WI	–	1	--	–	–	--	--	–	–	–	--	--	1	–	--	--	–	–	--	1	790.27	785.54	3.49	
	5.80	131+01	17' RT	WI	–	1	--	–	–	--	--	–	–	–	--	--	1	–	--	--	–	–	--	1	789.53	785.54	2.75	
	5.81	131+01	24.5' RT	WI	–	–	--	1	–	--	--	–	1	–	--	--	–	–	--	--	–	–	--	1	789.78	784.24	4.04	
	5.82	131+01	24.5' LT	WI	–	–	--	1	–	--	--	–	1	–	--	--	–	–	--	--	–	–	--	1	789.78	784.26	4.02	
	5.83	132+12	26.8' LT	WI	–	–	--	1	–	--	--	–	–	–	1	--	–	–	--	--	–	–	--	1	789.25	784.75	3.00	
	5.90	133+02	17' RT	WI	–	–	1	–	–	--	--	–	–	–	--	--	1	–	--	--	–	–	--	1	788.88	785.54	2.51	LOW PROFILE CASTING
	5.91	133+02	25.1' RT	WI	–	–	--	–	1	--	--	–	–	–	1	--	–	–	--	--	–	–	--	1	789.12	783.90	3.72	
	5.92	132+93	24.7' RT	WI	–	–	--	–	1	--	--	–	–	–	1	--	–	–	--	--	–	–	--	1	789.11	784.17	3.44	
	5.93	133+09	25.4' RT	WI	–	–	--	–	1	--	--	–	–	–	1	--	–	–	--	--	–	–	--	1	788.75	784.17	3.08	
	5.94	133+02	24.5' LT	WI	–	–	--	–	1	--	--	–	–	–	1	--	–	–	--	--	–	–	--	1	789.10	784.06	3.54	
	5.95	132+89	24.6' LT	WI	–	–	--	–	1	--	--	–	–	–	1	--	–	–	--	--	–	–	--	1	789.09	784.35	3.24	
	5.96	133+12	24.5' LT	WI	–	–	--	–	1	--	--	–	–	–	1	--	–	–	--	--	–	–	--	1	789.10	784.34	3.26	
PROJECT 6918-01-72-CAT 0010 SUBTOTAL					**2**	**28**	**2**	**51**	**28**	**2**	**0**	**4**	**8**	**2**	**64**	**5**	**22**	**2**	**0**	**2**	**1**	**3**	**2**	**115**				

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*** DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6 -INCH ADJUSTMENT RING HEIGHT

**** QUANTITY FOUND ELSEWHERE

STORM SEWER STRUCTURE

CAT	STRUCTURE	STATION	OFFSET*	ALI	520.8000**** CONCRTE COLLARS FOR PIPE (EACH)	611.0530 MANHOLE COVERS TYPE J TYPE J (EACH)	611.0530 MANHOLE COVERS TYPE J LOW PROFILE (EACH)	611.0624 INLET COVERS TYPE H (EACH)	611.0639 INLET COVERS TYPE H-S (EACH)	611.0645 INLET COVERS TYPE MS-A (EACH)	611.0666 INLET COVERS TYPE Z (EACH)	SPV.0060.006 INLET COVERS TYPE H-D (EACH)	611.1004 CATCH BASINS (DIAMETER) 4-FT (EACH)	611.1006 CATCH BASINS (DIAMETER) 6-FT (EACH)	611.1230 CATCH BASINS (DIAMETER) 2X3-FT (EACH)	611.2004 MANHOLES (DIAMETER) 4-FT (EACH)	611.2005 MANHOLES (DIAMETER) 5-FT (EACH)	611.2006 MANHOLES (DIAMETER) 6-FT (EACH)	612.2008 MANHOLES (DIAMETER) 8-FT (EACH)	611.2044 MANHOLES 4X4-FT (EACH)	611.2066 MANHOLES 6X6-FT (EACH)	611.3230 INLETS 2X3-FT (EACH)	611.3901 INLETS MEDIAN 1 GRATE (EACH)	650.4000 **** CONSTRUCTION STAKING STORM SEWER (EACH)	RIM N	INVERT ** N	DEPTH *** FT	REMARKS
PROJECT 6918-01-72 - CAT 0010 SUBTOTAL					2	28	2	51	28	2	0	4	8	2	64	5	22	2	0	2	1	3	2	115				
0010	5.100	134+45	3.1' RT	WI	--	--	--	--	--	--	2	--	--	--	--	--	--	--	1	--	--	--	--	1	790.13	786.12	2.53	
	6.00	139+04	17' RT	WI	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	789.32	785.99	2.09	
	6.01	139+04	27.1' RT	WI	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	789.68	784.19	3.99	
	6.02	139+04	24.5' LT	WI	--	--	--	--	--	--	--	1	--	--	1	--	--	--	--	--	--	--	--	1	789.35	784.28	3.57	
	6.10	140+26	17' RT	WI	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	788.56	785.22	2.51	LOW PROFILE CASTING
	6.11	140+26	24.5' RT	WI	--	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	1	788.81	783.66	3.65	
	6.12	140+26	26.3' LT	WI	--	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	1	788.77	783.77	3.50	
	6.20	141+36	17' RT	WI	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	788.28	784.94	2.51	LOW PROFILE CASTING
	6.21	141+36	24.5' RT	WI	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	788.58	783.55	3.53	
	6.22	141+28	24.5' RT	WI	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	788.58	783.58	3.50	
	6.23	141+36	24.5' LT	WI	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	788.58	783.65	3.43	
	6.24	141+28	24.5' LT	WI	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	788.53	783.68	3.35	
	6.30	142+96	17' RT	WI	--	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	788.79	784.49	3.06	
	6.31	142+96	24.4' RT	WI	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	789.04	783.55	3.99	
	6.32	142+96	24.5' LT	WI	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	789.04	783.65	3.89	
	6.40	144+97	17' RT	WI	--	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	789.52	784.94	3.34	
	6.41	144+97	24.5' RT	WI	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	789.78	783.55	4.73	
	6.42	144+97	24.9' LT	WI	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	789.76	783.65	4.61	
	6.50	147+98	17' RT	WI	--	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	789.18	784.69	3.25	
	6.51	147+98	24.5' RT	WI	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	789.00	783.07	4.43	
	6.52	148+53	24.5' RT	WI	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	789.07	783.69	3.89	
	6.53	147+95	27.2' LT	WI	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	790.49	783.65	5.34	
	6.60	149+50	17' RT	WI	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	789.27	784.94	3.09	
PROJECT 6918-01-72 - CAT 0010 SUBTOTAL					2	33	4	59	34	2	2	5	10	2	77	6	27	2	1	2	2	3	2	138				
PROJECT 6918-01-72 TOTALS					9	33	4	59	34	2	2	5	10	2	77	6	27	2	1	2	2	3	2	141				

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**** QUANTITY FOUND ELSEWHERE

INSULATION BOARD POLYSTYRENE (INCH)

CATEGORY	STATION TO STATION	OFFSET	612.0902.S 2-INCH (SY)
0040			
	104+67 'WI'	RT	1.3
	106+36 'WI'	RT	1.3
	108+61 'WI'	RT	1.3
	110+52 'WI'	RT	1.3
	112+45 'WI'	RT	1.3
	114+65 'WI'	RT	1.3
	115+62 'WI'	RT	1.3
	116+25 'WI'	RT	1.3
	117+21 'WI'	LT	1.3
	119+00 'WI'	LT	1.3
	124+18 'WI'	LT	1.3
	125+03 'WI'	LT	1.3
	127+00 'WI'	LT	1.3
	131+01 'WI'	LT	1.3
	133+02 'WI'	LT	1.3
PROJECT 6918-01-72 - CATEGORY 0040 SUBTOTAL			**19.5**
PROJECT 6918-01-72 TOTALS			**19.5**

FENCE SAFETY

CATEGORY	STATION	OFFSET	616.0700.S FENCE SAFETY (LF)
0010			
	109+41 'WI'	43.0 LT	7
	113+43 'WI'	44.0 RT	7
	114+28 'WI'	41.0 RT	7
	117+93 'WI'	39.0 RT	7
	538+23 'DE'	108.0 RT	7
	539+21 'DE'	81.0 RT	7
	12+36 'WP'	43.5 RT	7
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**49**
PROJECT 6918-01-72 TOTALS			**49**

LANDSCAPING

CATEGORY	STAGE	STATION TO STATION	625.0100 TOPSOIL (SY)	628.2008 EROSION MAT URBAN CLASS I TYPE B (SY)	629.0210 FERTILIZER TYPE B (CWT)	630.0140 SEEDING MIXTURE NO. 40 (LB)	630.0200 SEEDING TEMPORARY (LB)	630.0500 SEED WATER (MGAL)
0010	STAGE 1							
		DEWITT STREET						
		WISCONSIN STREET - COOK STREET	970	970	5	17	26	22
		COOK STREET - PLEASANT STREET	140	140	1	3	4	3
	STAGE 1 TOTAL		1,110	1,110	6	20	30	25
	STAGE 2							
		WISCONSIN STREET						
		BOP - WARRENS STREET	1,640	1,640	9	29	44	37
		WARRENS STREET - PAUQUETTE STREET	400	400	2	7	11	10
		PAUQUETTE STREET - BROOKS STREET	610	610	3	11	16	14
		BROOKS STREET - SUPERIOR STREET	1,260	1,260	7	23	34	28
		SUPERIOR STREET - WAUONA TRAIL	1,200	1,200	7	22	33	27
		WAUONA TRAIL - ERIE STREET	730	730	4	13	20	16
		ERIE STREET - EOP	2,340	2,340	13	42	63	53
	STAGE 2 TOTAL		8,180	8,180	46	147	221	185
		UNDISTRIBUTED	910	1,410	7	43	24	25
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**10,200**	**10,700**	**60**	**210**	**275**	**235**
PROJECT 6918-01-72 TOTALS			**10,200**	**10,700**	**60**	**210**	**275**	**235**

3

PERMANENT SIGNING

CATEGORY	SIGN NO	CODE	SIGN MESSAGE	638.2102 MOVING SIGNS TYPE II (EACH)	638.4000 MOVING SMALL SIGN SUPPORTS (EACH)	638.2602 REMOVING SIGNS TYPE II (EACH)	638.3000 REMOVING SMALL SIGN SUPPORTS (EACH)	638.3150 REMOVING OVERHEAD SIGN SUPPORTS CANTILEVER (STRUCTURE) (EACH)	NOTES
0010	2M-8	J3-2	WEST EAST 33 33 [LA] [RA]	1	–	–	1	--	
	3R-1	J3-2	SOUTH EAST 51 16 [TL] [TL]	--	–	1	–	--	Band to Light Pole
	3R-10	R3-6V	LANE CONTROL SYMBOL	--	–	1	–	1	Sign Structure S-11-23
	3R-11	R3-5L	LANE CONTROL SYMBOL	--	–	1	–	--	Sign Structure S-11-23
	3R-19	JV4-3	WEST 16 33 ATLERNATE 39	--	–	1	–	--	Band to Light Pole
	4R-9	JV2-2	EAST 16 33 [UA]	--	–	1	–	--	Band to Light Pole
	4M-20	J4-2	SOUTH EAST 51 16	1	–	–	–	--	Band to Light Pole
	5R-4	J2-2	WEST WEST 16 33 LEFT LEFT LANE LANE	--	–	1	–	1	Sign Structure S-11-22
	5R-5	J2-2	NORTH EAST 51 33 RIGHT RIGHT LANE LANE	--	–	1	–	--	Sign Structure S-11-22
	5M-12	J22-1	ALTERNATE 39 USE LEFT LANE	1	–	–	–	1	Sign Structure S-11-21
	6M-9	J4-2	ALTERNATE ALTERNATE 39 90	1	1	–	–	--	
	8R-13	J4-2	SOUTH EAST 51 16	--	–	1	1	--	
	9M-11	R2-1	SPEED LIMIT	1	1	–	–	--	
	10M-1	I55-56	ADOPT-A-HIGHWAY	1	1	–	–	--	
	10M-2	I55-56P	ADOPT-A-HIGHWAY SPONSOR	1	–	–	–	--	Same Post as 10M-1
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL				**7**	**3**	**8**	**2**	**3**	

3

PERMANENT SIGNING

CATEGORY	SIGN NO	CODE	SIGN MESSAGE	638.2102 MOVING SIGNS TYPE II (EACH)	638.4000 MOVING SMALL SIGN SUPPORTS (EACH)	638.2602 REMOVING SIGNS TYPE II (EACH)	638.3000 REMOVING SMALL SIGN SUPPORTS (EACH)	638.3150 REMOVING OVERHEAD SIGN SUPPORTS CANTILEVER (STRUCTURE) (EACH)	NOTES
0060	1M-1	R7-5	XX HOUR PARKING X:XX AM - X:XX PM	1	–	--	--	–	Band to Light Pole
	1M-2	R7-5	XX HOUR PARKING X:XX AM - X:XX PM	1	–	--	--	–	
	1M-3	D3-1	DEWITT STREET	1	–	--	--	–	
	1M-4	D3-1	W CONANT STREET	1	–	--	--	–	Same Post as 1M-3
	1M-5	R1-1	STOP SIGN	1	–	--	--	–	Same Post as 1M-3
	1M-6	SP	PUBLIC PARKING	1	–	--	--	–	Band to Light Pole
	1M-7	R7-5	XX HOUR PARKING X:XX AM - X:XX PM	1	–	--	--	–	Band to Light Pole
	1R-8	M1-85	WISCONSIN HERITAGE TRAIL SIGN	–	–	1	--	–	Band to Light Pole
	1R-9	M1-85-D	HISTORIC DISTRICT (#143)/ARROW	–	–	1	--	–	Band to Light Pole
	1R-10	SP	PUBLIC PARKING	–	–	1	--	–	Band to Light Pole
	1M-11	R7-8A	RESERVED PARKING, HANDICAPPED, THIS SPACE	1	–	--	1	–	
	1M-12	R7-5	XX HOUR PARKING X:XX AM - X:XX PM	1	–	--	--	–	Band to Light Pole
	1M-13	D3-1	DEWITT STREET	1	–	--	1	–	
	1M-14	D3-1	W PLEASANT STREET	1	–	--	--	–	Same Post as 1M-13
	1R-15	R1-1	STOP SIGN	1	–	--	--	–	Same Post as 1M-13
	1M-16	D3-1	DEWITT STREET	1	–	--	1	–	
	1M-17	D3-1	E CONANT STREET	1	–	--	--	–	Same Post as 1M-16
	1M-18	R1-1	STOP SIGN	1	–	--	--	–	Same Post as 1M-16
	1M-19	W11-8	FIRE STATION TRUCK CROSSING SYMBOL	1	–	--	--	–	Band to Light Pole
	1M-20	SP	EMERGENCY VEHICLE ENTRANCE	1	–	--	--	–	Band to Light Pole
	1M-21	R7-5	XX HOUR PARKING X:XX AM - X:XX PM	1	–	--	--	–	Band to Light Pole
	1M-22	R7-1	NO PARKING	1	–	--	1	–	
	1M-23	D3-1	DEWITT STREET	1	–	--	--	–	
	1M-24	D3-1	E PLEASANT STREET	1	–	--	--	–	Same Post as 1M-23
	1M-25	R1-1	STOP SIGN	1	–	--	--	–	Same Post as 1M-23
	1M-26	R6-2L	ONE WAY (LEFT ARROW)	1	–	--	--	–	
	2M-1	R7-5	XX HOUR PARKING X:XX AM - X:XX PM	1	–	--	--	–	
	2M-2	R7-5	XX HOUR PARKING X:XX AM - X:XX PM	1	–	--	--	–	
	2M-3	R7-1	NO PARKING	1	–	--	1	–	
	2M-4	R7-5	XX HOUR PARKING X:XX AM - X:XX PM	1	–	--	--	–	
	2M-5	R7-5	XX HOUR PARKING X:XX AM - X:XX PM	1	–	--	--	–	Band to light pole
	2M-6	R7-5	XX HOUR PARKING X:XX AM - X:XX PM	1	–	--	--	–	Band to light pole
	2M-7	SP	MADISON COLLEGE [UA]	1	–	--	1	–	
	2M-9	R7-5	XX HOUR PARKING X:XX AM - X:XX PM	1	–	--	--	–	Band to light pole
	3R-2	D3-1	DEWITT STREET	–	–	1	--	–	
	3R-3	D3-1	W EDGEWATER ST	–	–	1	--	–	
	3M-4	SP	PUBLIC PARKING	1	–	--	--	–	Band to light pole
	3M-5	R1-1	STOP SIGN	1	–	--	--	–	
	3M-7	D3-1	DEWITT STREET	1	–	--	--	–	Band to light pole
	3M-8	D3-1	E EDGEWATER ST	1	–	--	--	–	Band to light pole
	3M-9	SP	PUBLIC PARKING	1	–	--	--	–	Band to light pole
	3M-12	R1-1	STOP SIGN	1	–	--	--	–	
	3M-13	R1-1	STOP SIGN	1	–	--	--	–	
PROJECT 6918-01-72 - CATEGORY 0060 SUBTOTAL				**38**	**0**	**5**	**6**	**0**	

3

PERMANENT SIGNING

CATEGORY	SIGN NO	CODE	SIGN MESSAGE	638.2102 MOVING SIGNS TYPE II (EACH)	638.4000 MOVING SMALL SIGN SUPPORTS (EACH)	638.2602 REMOVING SIGNS TYPE II (EACH)	638.3000 REMOVING SMALL SIGN SUPPORTS (EACH)	638.3150 REMOVING OVERHEAD SIGN SUPPORTS CANTILEVER (STRUCTURE) (EACH)	NOTES
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL				7	3	8	2	3	
PROJECT 6918-01-72 - CATEGORY 0060 SUBTOTAL				38	0	5	6	0	
0060	3R-14	R7-5	XX HOUR PARKING X:XX AM - X:XX PM	--	–	1	–	--	
	3M-15	SP	PUBLIC PARKING	1	–	–	–	--	
	3M-16	D3-1	WISCONSIN ST	1	–	–	–	--	
	3M-17	D3-1	W EDGEWATER ST	1	–	–	–	--	Same post as 3M-16
	3M-18	R1-1	STOP SIGN	1	–	–	–	--	Same post as 3M-16
	3R-20	W11-1	BICYCLE WARNING SIGN	--	–	1	–	--	
	3M-21	R1-1F	FOLDING STOP SIGN	1	–	–	–	--	Band to signal pole
	3R-22	R10-6	STOP HERE ON RED	--	–	1	–	--	
	4M-1	R5-3	NO MOTOR VEHICLES	1	1	–	–	--	
	4M-2	D11-1	BIKE ROUTE	1	–	–	–	--	Same Post as 4M-1
	4R-3	R10-11B	NO TURN ON RED	--	–	1	–	--	
	4R-4	R1-1F	STOP SIGN (FOLDING)	--	–	1	–	--	
	4M-5	R2-1	SPEED LIMIT 25	1	–	–	1	--	
	4M-6	D3-1	E MULLET STREET	1	–	–	1	--	
	4M-7	D3-1	E WISCONSIN STREET	1	–	–	–	--	Same Post as 4M-6
	4M-8	R1-1	STOP SIGN	1	–	–	–	--	Same Post as 4M-6
	4M-10	R1-1	STOP SIGN	1	–	–	1	--	
	4M-11	D3-1	DODGE STREET	1	–	–	1	--	Same Post as 4M-10
	4M-12	D3-1	E WISCONSIN STREET	1	–	–	–	--	Same Post as 4M-10
	4M-13	SP	PUBLIC PARKING	1	–	–	–	--	
	4R-14	R1-1F	STOP SIGN (FOLDING)	--	–	1	–	--	
	4R-15	R10-4	PUSH BUTTON FOR WALK SIGNAL	--	–	1	–	--	
	4M-16	D3-1	WARREN STREET	1	–	–	–	--	Band to signal pole
	4M-17	D3-1	W MULLET STREET	1	–	–	–	--	Band to signal pole
	4M-18	D3-1	E WISCONSIN STREET	1	–	–	–	--	Band to signal pole
	4R-19	R1-1F	STOP SIGN (FOLDING)	--	–	1	–	--	
	4M-21	R7-1	NO PARKING	1	–	–	–	--	Same Post as 4M-21
	4M-22	R2-1	SPEED LIMIT 30 MPH	1	–	–	–	--	
	4R-23	M1-85	WISCONSIN HERITAGE TRAIL SIGN	--	–	1	–	--	Band to Light Pole
	4R-24	M1-85D	HISTORIC DISTRICT (#XXX)/ARROW	--	–	1	–	--	Same Post as 4R-23
	4M-25	R7-1	NO PARKING	1	–	–	–	--	Same Post as 4R-23
	4R-26	R5-1A	WRONG WAY	--	–	1	–	--	
	4M-27	R1-1	STOP SIGN	1	–	1	–	--	
	4R-28	S1-1	SCHOOL ADVANCE	--	–	1	–	--	
	5M-1	D3-1	PAUQUETTE STREET	1	–	1	–	--	
	5M-2	D3-1	E WISCONSIN STREET	1	–	–	–	--	Same Post as 5M-1
	5M-3	R1-1	STOP SIGN	1	–	–	–	--	Same Post as 5M-1
	5M-6	D9-2	HOSPITAL	1	–	–	1	--	Band to Light Pole
PROJECT 6918-01-72 - CATEGORY 0060 SUBTOTAL				**64**	**1**	**19**	**11**	**0**	

3

PERMANENT SIGNING

CATEGORY	SIGN NO	CODE	SIGN MESSAGE	638.2102 MOVING SIGNS TYPE II (EACH)	638.4000 MOVING SMALL SIGN SUPPORTS (EACH)	638.2602 REMOVING SIGNS TYPE II (EACH)	638.3000 REMOVING SMALL SIGN SUPPORTS (EACH)	638.3150 REMOVING OVERHEAD SIGN SUPPORTS CANTILEVER (STRUCTURE) (EACH)	NOTES
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL				7	3	8	2	3	
PROJECT 6918-01-72 - CATEGORY 0060 SUBTOTAL				64	1	19	11	0	
0060	5M-7	R2-1	SPEED LIMIT 30	1	–	--	--	–	
	5R-8	S1-1	SCHOOL ADVANCE	–	–	1	--	–	Band to Light Pole
	5M-9	R1-1	STOP SIGN	1	–	--	1	–	
	5M-10	D3-1	BRADY STREET	1	–	--	1	–	Same Post as 5M-9
	5M-11	D3-1	E WISCONSIN STREET	1	–	--	--	–	Same Post as 5M-9
	5M-13	R7-1	NO PARKING ANYTIME	1	–	--	1	–	
	5M-14	SP	MADISON COLLEGE [UA]	1	–	--	--	–	Same Post as 5M-13
	5R-15	R2-1	SPEED LIMIT 30		–	1	1	–	
	5M-16	R7-1	NO PARKING	1	–	--	--	–	Band to Light Pole
	5M-17	R7-1	NO PARKING	1	–	--	--	–	Band to Light Pole
	5M-18	R2-1	SPEED LIMIT 35	1	–	--	--	–	Band to Light Pole
	5M-19	R7-1	NO PARKING	1	–	--	--	–	Same Post as 5-18
	6M-1	R7-1	NO PARKING ANYTIME	1	–	--	1	–	Band to Light Pole
	6M-2	D3-1	BROOKS STREET	1	–	--	1	–	
	6M-3	D3-1	E WISCONSIN STREET	1	–	--	--	–	Same Post as 6M-2
	6M-4	R1-1	STOP SIGN	1	–	--	--	–	Same Post as 6M-2
	6M-5	R1-1	STOP SIGN	1	–	--	1	–	
	6M-6	D3-1	WASHINGTON STREET	1	–	--	1	–	Same Post as 6M-5
	6M-7	D3-1	E WISCONSIN STREET	1	–	--	--	–	Same Post as 6M-5
	6M-8	R2-1	SPEED LIMIT 35	1	–	--	--	–	Band to Light Pole
	6M-10	R7-1	NO PARKING	1	–	--	--	–	Band to Light Pole
	7M-1	R7-1	NO PARKING ANYTIME	1	–	--	1	–	
	7M-2	R1-1	STOP SIGN	1	–	--	1	–	
	7M-3	D3-1	SUPERIOR STREET	1	–	--	1	–	Same Post as 7M-2
	7M-4	D3-1	E WISCONSIN STREET	1	–	--	--	–	Same Post as 7M-2
	7M-5	R7-1	NO PARKING ANYTIME	1	–	--	1	–	
	7M-6	R2-1	SPEED LIMIT 35	1	–	--	--	–	Band to Light Pole
	7M-7	R7-1	NO PARKING	1	–	--	--	–	Band to Light Pole
	7M-8	D3-1	MICHIGAN STREET	1	–	--	1	–	
	7M-9	D3-1	E WISCONSIN STREET	1	–	--	--	–	Same Post as 7M-8
PROJECT 6918-01-72 - CATEGORY 0060 SUBTOTAL				**92**	**1**	**21**	**24**	**0**	

3

PERMANENT SIGNING

CATEGORY	SIGN NO	CODE	SIGN MESSAGE	638.2102 MOVING SIGNS TYPE II (EACH)	638.4000 MOVING SMALL SIGN SUPPORTS (EACH)	638.2602 REMOVING SIGNS TYPE II (EACH)	638.3000 REMOVING SMALL SIGN SUPPORTS (EACH)	638.3150 REMOVING OVERHEAD SIGN SUPPORTS CANTILEVER (STRUCTURE) (EACH)	NOTES
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL				7	3	8	2	3	
PROJECT 6918-01-72 - CATEGORY 0060 SUBTOTAL				92	1	21	24	0	
0060	7M-10	R1-1	STOP SIGN	1	–	--	1	–	
	7M-11	R7-1	NO PARKING	1	–	--	–	–	Same Post as 7M-10
	7M-12	R7-1	NO PARKING	1	–	--	–	–	Same Post as 7M-10
	8M-1	D9-2	HOSPITAL	1	–	--	1	–	
	8M-2	R7-1	NO PARKING ANYTIME	1	–	--	–	–	Same Post as 8M-1
	8M-3	SP	WAUONA	1	–	--	1	–	
	8M-4	D3-1	WAUONA TRAIL	1	–	--	–	–	Same Post as 8M-3
	8M-5	D3-1	E WISCONSIN STREET	1	–	--	–	–	Same Post as 8M-3
	8M-6	R1-1	STOP SIGN	1	–	--	–	–	Same Post as 8M-3
	8R-7	S1-1	SCHOOL ADVANCE	–	–	1	1	–	
	8M-8	R1-1	STOP SIGN	1	–	--	1	–	
	8M-9	D3-1	HURON STREET	1	–	--	1	–	Same Post as 8M-8
	8M-10	D3-1	E WISCONSIN STREET	1	–	--	–	–	Same Post as 8M-8
	8M-11	R7-1	NO PARKING	1	–	--	–	–	Band to Light Pole
	8R-12	S1-1	SCHOOL ADVANCE	–	–	1	1	–	
	8M-14	R7-1	NO PARKING	1	–	--	–	–	Band to Light Pole
	9M-1	R2-1	SPEED LIMIT 35	1	–	--	1	–	
	9M-2	R7-1	NO PARKING	1	–	--	–	–	Same Post as 9M-2
	9M-3	R1-1	STOP SIGN	1	–	--	1	–	
	9M-4	D3-1	ERIE STREET	1	–	--	1	–	
	9M-5	D3-1	E WISCONSIN STREET	1	–	--	–	–	Same Post as 9M-4
	9M-6	D3-1	ONTARIO STREET	1	–	--	1	–	
	9M-7	D3-1	E WISCONSIN STREET	1	–	--	–	–	Same Post as 9M-6
	9M-8	R1-1	STOP SIGN	1	–	--	–	–	Same Post as 9M-6
	9M-9	R2-1B	SPEED LIMIT 35 (LED BLINKER SIGN)	1	–	--	1	–	Moving solar panel incidental to moving sign
	9M-10	R7-1	NO PARKING	1	–	--		–	Band to Light Pole
	9M-12	SP	MAIDSON COLLEGE [UA]	1	–	--	1	–	
PROJECT 6918-01-72 - CATEGORY 0060 SUBTOTAL				**117**	**1**	**23**	**37**	**0**	
PROJECT 6918-01-72 TOTALS				**124**	**4**	**31**	**39**	**3**	

PERMANENT SIGNING

CATEGORY	SIGN NO	CODE	SIGN MESSAGE	WIDTH	HEIGHT	637.2210 SIGNS TYPE II REFLECTIVE H (SF)	637.2230 SIGNS TYPE II REFLECTIVE F (SF)	634.0614 POSTS WOOD 4X6-INCH X 14-FT (EACH)	634.0616 POSTS WOOD 4X6-INCH X 16-FT (EACH)	634.0618 POSTS WOOD 4X6-INCH X 18-FT (EACH)	634.0620 POSTS WOOD 4X6-INCH X 20-FT (EACH)	634.0808 POSTS TUBULAR STEEL 2X2-INCH X 8-FT (EACH)	634.0809 POSTS TUBULAR STEEL 2X2-INCH X 9.5-FT (EACH)	634.0810 POSTS TUBULAR STEEL 2X2-INCH X 10-FT (EACH)	634.0811 POSTS TUBULAR STEEL 2X2-INCH X 11-FT (EACH)	634.0812 POSTS TUBULAR STEEL 2X2-INCH X 12-FT (EACH)	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT (EACH)	NOTES
0010	2M-8	J3-2	WEST EAST 33 33 [LA] [RA]	48	57	–	–	–	–	–	–	--	--	–	–	–	2	
	3M-6	J3-1	NORTH 51 [LA]	24	57	–	–	–	1	–	–	--	--	–	–	–	--	
	3-19	JV4-3	WEST 16 33 ATLERNATE 39	24	72	12.00	–	–	–	–	1	--	--	–	–	–	--	
	3-25	J3-2	WEST ALTERNATE 16 39 [RA] [RA]	48	57	19.00	–	–	1	–	–	--	--	–	–	–	--	
	3-29	J3-2	NORTH WEST 51 33 [TR] [TR]	48	69	20.13	–	–	1	–	–	--	--	–	–	–	--	
	3-33	J3-2	SOUTH EAST 51 16 [LA] [LA]	48	57	19.00	–	–	1	–	–	--	--	–	–	–	--	
	3-34	JV2-4	SOUTH WEST 51 16 EAST ALTERNATE 16 39 [LT] [RT]	48	93	31.00	–	–	–	–	–	--	--	–	–	–	--	Band to light pole
	4-9	JV2-2	WEST 16 TO WEST 33 [UA]	24	105	17.50	–	–	–	1	–	--	--	–	–	–	--	
	4M-20	J4-2	SOUTH EAST 51 16	36	48	–	–	1	–	–	–	--	--	–	–	–	--	
	4-31	JV2-2	NORTH 51 EAST 16 SECOND RIGHT	24	105	17.50	–	–	–	–	1	--	--	–	–	–	--	
	5-4	J2-2	TO WEST WEST 16 33 LEFT LEFT LANE LANE	48	57	20.13	–	–	–	–	–	--	--	–	–	–	--	Sign Structure S-11-22
	5-5	J2-2	TO NORTH EAST 51 33 RIGHT RIGHT LANE LANE	48	57	20.13	–	–	–	–	–	--	--	–	–	–	--	Sign Structure S-11-22
	5M-12	J22-1	ALTERNATE 39 USE LEFT LANE	24	60	–	–	–	1	–	–	--	--	–	–	–	--	Sign Structure S-11-21
	6M-9	J4-2	ALTERNATE ALTERNATE 39 90	48	36	–	–	–	–	–	–	--	--	–	–	–	--	
	9M-11	R2-1	SPEED LIMIT	24	30	–	–	–	–	–	–	--	--	–	–	–	--	
	10M-1	I55-56	ADOPT-A-HIGHWAY	30	18	–	–	–	–	–	–	--	--	–	–	–	--	
	10M-2	I55-56P	ADOPT-A-HIGHWAY SPONSOR	30	18	–	–	–	–	–	–	--	--	–	–	–	--	Same Post as 10M-1
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL						**176.39**	**0.00**	**1**	**5**	**1**	**2**	**0**	**0**	**0**	**0**	**0**	**2**	

PERMANENT SIGNING

						637.2210	637.2230	634.0614	########	634.0618	634.0620	634.0808	634.0809	634.0810	634.0811	634.0812	634.0814	
						SIGNS TYPE II		POSTS WOOD 4X6-INCH X				POSTS TUBULAR STEEL 2X2-INCH X						
CATEGORY	SIGN NO	CODE	SIGN MESSAGE	WIDTH	HEIGHT	REFLECTIVE H (SF)	REFLECTIVE F (SF)	14-FT (EACH)	16-FT (EACH)	18-FT (EACH)	20-FT (EACH)	8-FT (EACH)	9.5-FT (EACH)	10-FT (EACH)	11-FT (EACH)	12-FT (EACH)	14-FT (EACH)	NOTES
0060	1M-1	R7-5	XX HOUR PARKING X:XX AM - X:XX PM	12	18	--	–	--	--	–	–	--	–	–	--	--	–	Band to Light Pole
	1M-2	R7-5	XX HOUR PARKING X:XX AM - X:XX PM	12	18	--	–	--	--	–	–	--	1	–	--	--	–	
	1M-3	D3-1	DEWITT STREET	–	--	--	–	--	--	–	–	--	–	–	1	--	–	
	1M-4	D3-1	WISCONSIN STREET	–	--	--	–	--	--	–	–	--	–	–	--	--	–	Same Post as 1M-3
	1M-5	R1-1	STOP SIGN	30	30	--	–	--	--	–	–	--	–	–	--	--	–	Same Post as 1M-3
	1M-6	SP	PUBLIC PARKING	24	18	--	–	--	--	–	–	--	–	–	--	--	–	Band to Light Pole
	1M-7	R7-5	XX HOUR PARKING X:XX AM - X:XX PM	12	18	--	–	--	--	–	–	--	–	–	--	--	–	Band to Light Pole
	1R-8	M1-85	WISCONSIN HERITAGE TRAIL SIGN	24	24	--	–	--	--	–	–	--	–	–	--	--	–	Band to Light Pole
	1R-9	M1-85-D	HISTORIC DISTRICT (#143)/ARROW	24	12	--	–	--	--	–	–	--	–	–	--	--	–	Band to Light Pole
	1R-10	SP	PUBLIC PARKING	24	18	--	–	--	--	–	–	--	–	–	--	--	–	Band to Light Pole
	1M-11	R7-8A	RESERVED PARKING, HANDICAPPED, THIS SPACE	12	18	--	–	--	--	–	–	--	1	–	--	--	–	
	1M-12	R7-5	XX HOUR PARKING X:XX AM - X:XX PM	12	18	--	–	--	--	–	–	--	–	–	--	--	–	Band to Light Pole
	1M-13	D3-1	DEWITT STREET	–	--	--	–	--	--	–	–	--	–	–	1	--	–	
	1M-14	D3-1	W PLEASANT STREET	–	--	--	–	--	--	–	–	--	–	–	--	--	–	Same Post as 1M-13
	1M-15	R1-1	STOP SIGN	30	30	--	–	--	--	–	–	--	–	–	--	--	–	Same Post as 1M-13
	1M-16	D3-1	DEWITT STREET	–	--	--	–	--	--	–	–	--	–	–	1	--	–	
	1M-17	D3-1	E CONANT STREET	–	--	--	–	--	--	–	–	--	–	–	--	--	–	Same Post as 1M-16
	1M-18	R1-1	STOP SIGN	30	30	--	–	--	--	–	–	--	–	–	--	--	–	Same Post as 1M-16
	1M-19	W11-8	FIRE STATION TRUCK CROSSING SYMBOL	30	30	--	–	--	--	–	–	--	–	–	--	--	–	Band to Light Pole
	1M-20	SP	EMERGENCY VEHICLE ENTRANCE	–	--	--	–	--	--	–	–	--	–	–	--	--	–	Band to Light Pole
	1M-21	R7-5	XX HOUR PARKING X:XX AM - X:XX PM	12	18	--	–	--	--	–	–	--	–	–	--	--	–	Band to Light Pole
	1M-22	R7-1	NO PARKING	12	18	--	–	--	--	–	–	--	1	–	--	--	–	
	1M-23	D3-1	DEWITT STREET	–	--	--	–	--	--	–	–	--	–	–	1	--	–	
	1M-24	D3-1	E PLEASANT STREET	–	--	--	–	--	--	–	–	--	–	–	--	--	–	Same Post as 1M-23
	1M-25	R1-1	STOP SIGN	30	30	--	–	--	--	–	–	--	–	–	--	--	–	Same Post as 1M-23
	1M-26	R6-2L	ONE WAY (LEFT ARROW)	24	30	--	–	--	--	–	–	--	–	–	1	--	–	
	2M-1	R7-5	XX HOUR PARKING X:XX AM - X:XX PM	12	18	--	–	--	--	–	–	--	1	–	--	--	–	
	2M-2	R7-5	XX HOUR PARKING X:XX AM - X:XX PM	12	18	--	–	--	--	–	–	--	1	–	--	--	–	
	2M-3	R7-1	NO PARKING	12	18	--	–	--	--	–	–	--	1	–	--	--	–	
	2M-4	R7-5	XX HOUR PARKING X:XX AM - X:XX PM	12	18	--	–	--	--	–	–	--	1	–	--	--	–	
	2M-5	R7-5	XX HOUR PARKING X:XX AM - X:XX PM	12	18	--	–	--	--	–	–	--	–	–	--	--	–	Band to light pole
	2M-6	R7-5	XX HOUR PARKING X:XX AM - X:XX PM	12	18	--	–	--	--	–	–	--	–	–	--	--	–	Band to light pole
	2M-7	SP	MADISON COLLEGE [UA]	18	24	--	–	--	--	–	–	--	–	–	1	--	–	
	2M-9	R7-5	XX HOUR PARKING X:XX AM - X:XX PM	12	18	--	–	--	--	–	–	--	–	–	--	--	–	Band to light pole
	3M-4	SP	PUBLIC PARKING	24	18	--	–	--	--	–	–	--	–	–	--	--	–	Band to light pole
	3M-5	R1-1	STOP SIGN	30	30	--	–	--	--	–	–	--	–	–	1	--	–	
	3M-7	D3-1	DEWITT STREET	–	--	--	–	--	--	–	–	--	–	–	--	--	–	Band to light pole
	3M-8	D3-1	E PLEASANT STREET	–	--	--	–	--	--	–	–	--	–	–	--	--	–	Band to light pole
	3M-9	SP	PUBLIC PARKING	24	18	--	–	--	--	–	–	--	–	–	--	--	–	Band to light pole
	3M-12	R1-1	STOP SIGN	30	30	--	–	--	--	–	–	--	–	–	1	--	–	
	3M-13	R1-1	STOP SIGN	30	30	--	–	--	--	–	–	--	–	–	1	--	–	
	3M-15	SP	PUBLIC PARKING	24	18	--	–	--	--	–	–	--	–	–	--	--	1	
	3M-16	D3-1	WISCONSIN STREET	–	--	--	–	--	--	–	–	--	–	–	1	--	–	
	3M-17	D3-1	W EDGEWATER ST	–	--	--	–	--	--	–	–	--	–	–	--	--	–	Same post as 3M-16
	3M-18	R1-1	STOP SIGN	30	30	--	–	--	--	–	–	--	–	–	--	--	–	Same post as 3M-16
PROJECT 6918-01-72 - CATEGORY 0060 SUBTOTAL						**0.00**	**0.00**	**0**	**0**	**0**	**0**	**0**	**7**	**0**	**10**	**0**	**1**	

PERMANENT SIGNING

CATEGORY	SIGN NO	CODE	SIGN MESSAGE	WIDTH	HEIGHT	637.2210 SIGNS TYPE II REFLECTIVE H (SF)	637.2230 SIGNS TYPE II REFLECTIVE F (SF)	634.0614 POSTS WOOD 4X6-INCH X 14-FT (EACH)	634.0616 POSTS WOOD 4X6-INCH X 16-FT (EACH)	634.0618 POSTS WOOD 4X6-INCH X 18-FT (EACH)	634.0620 POSTS WOOD 4X6-INCH X 20-FT (EACH)	634.0808 POSTS TUBULAR STEEL 2X2-INCH X 8-FT (EACH)	634.0809 POSTS TUBULAR STEEL 2X2-INCH X 9.5-FT (EACH)	634.0810 POSTS TUBULAR STEEL 2X2-INCH X 10-FT (EACH)	634.0811 POSTS TUBULAR STEEL 2X2-INCH X 11-FT (EACH)	634.0812 POSTS TUBULAR STEEL 2X2-INCH X 12-FT (EACH)	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT (EACH)	NOTES
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL						176.39	0.00	1	5	1	2	0	0	0	0	0	2	
PROJECT 6918-01-72 - CATEGORY 0060 SUBTOTAL						0.00	0.00	0	0	0	0	0	7	0	10	0	1	
0060	3M-21	R1-1F	FOLDING STOP SIGN	30	30	--	--	--	--	–	–	--	--	–	–	–	–	Band to signal pole
	3-23	W11-2	PEDESTRIAN CROSSING	30	30	--	6.25	--	--	–	–	--	--	–	–	1	–	
	3-24	W16-7L	DIAGONAL DOWN LEFT ARROW	24	12	--	2.00	--	--	–	–	--	--	–	–	–	–	Same post as 3-23
	3-26	W12-1D	DOUBLE DOWN ARROWS	24	24	--	4.00	--	--	–	–	1	--	–	–	–	–	
	3-27	R4-7	KEEP RIGHT	24	30	5.00	--	--	--	–	–	--	--	–	1	–	–	
	3-28	W12-1D	DOUBLE DOWN ARROWS	24	24	--	4.00	--	--	–	–	1	--	–	–	–	–	
	3-30	W11-2	PEDESTRIAN CROSSING	30	30	--	6.25	--	--	–	–	--	--	–	–	–	–	Same post as 3M-15
	3-31	W16-7L	DIAGONAL DOWN LEFT ARROW	24	12	--	2.00	--	--	–	–	--	--	–	–	–	–	
	3-32	R4-7	KEEP RIGHT	24	30	5.00	--	--	--	–	–	--	--	–	1	–	–	
	3-35	R4-7	KEEP RIGHT	24	30	5.00	--	--	--	–	–	--	--	–	–	–	–	Band to signal pole
	3-36	R4-7	KEEP RIGHT	24	30	5.00	--	--	--	–	–	--	--	–	–	–	–	Band to signal pole
	3-37	R4-7	KEEP RIGHT	24	30	5.00	--	--	--	–	–	--	--	–	–	–	–	Band to signal pole
	4M-1	R5-3	NO MOTOR VEHICLES	24	24	--	--	--	--	–	–	--	--	–	–	–	–	
	4M-2	D11-1	BIKE ROUTE	24	18	--	--	--	--	–	–	--	--	–	–	–	–	Same Post as 4M-1
	4M-5	R2-1	SPEED LIMIT 25	24	30	--	--	--	--	–	–	--	--	–	1	–	–	
	4M-6	D3-1	E MULLET STREET	–	--	--	--	--	--	–	–	--	--	–	1	–	–	
	4M-7	D3-1	E WISCONSIN STREET	–	--	--	--	--	--	–	–	--	--	–	–	–	–	Same Post as 4M-6
	4M-8	R1-1	STOP SIGN	30	30	--	--	--	--	–	–	--	--	–	–	–	–	Same Post as 4M-6
	4M-10	R1-1	STOP SIGN	30	30	--	--	--	--	–	–	--	--	–	1	–	–	
	4M-11	D3-1	DODGE STREET	–	--	--	--	--	--	–	–	--	--	–	–	–	–	Same Post as 4M-10
	4M-12	D3-1	E WISCONSIN STREET	–	--	--	--	--	--	–	–	--	--	–	–	–	–	Same Post as 4M-10
	4M-13	SP	PUBLIC PARKING	24	18	--	--	--	--	–	–	--	1	–	–	–	–	
	4M-16	D3-1	WARREN STREET	–	--	--	--	--	--	–	–	--	--	–	–	–	–	Same Post as 3M-13
	4M-17	D3-1	W MULLET STREET	–	--	--	--	--	--	–	–	--	--	–	–	–	–	Same Post as 3M-13
	4M-18	D3-1	E WISCONSIN STREET	–	--	--	--	--	--	–	–	--	--	–	–	–	–	Same Post as 3M-13
	4M-21	R7-1	NO PARKING	18	24	--	--	--	--	–	–	--	--	–	–	1	–	Same Post as 4M-21
	4M-22	R2-1	SPEED LIMIT 30 MPH	24	30	--	--	--	--	–	–	--	--	–	–	–	–	
	4M-25	R7-1	NO PARKING	18	24	--	--	--	--	–	–	--	--	–	–	1	–	
	4M-27	R1-1	STOP SIGN	30	30	--	--	--	--	–	–	--	--	–	1	–	–	
	4-29	R4-7	KEEP RIGHT	24	30	5.00	--	--	--	–	–	--	--	–	1	–	–	
	4-30	R3-7R	RIGHT LANE MUST TURN RIGHT	30	30	6.25	--	--	--	–	–	--	--	–	1	–	–	
	4-32	R5-1C	DO NOT ENTER (CLIPPED CORNERS)	30	30	5.18	--	--	--	–	–	--	--	–	–	–	–	Same Post as 4M-27
	5M-1	D3-1	PAUQUETTE STREET	–	--	--	--	--	--	–	–	--	--	–	1	–	–	
	5M-2	D3-1	E WISCONSIN STREET	–	--	--	--	--	--	–	–	--	--	–	–	–	–	Same Post as 5M-1
	5M-3	R1-1	STOP SIGN	30	30	--	--	--	--	–	–	--	--	–	–	–	–	Same Post as 5M-1
	5M-6	D9-2	HOSPITAL	24	24	--	--	--	--	–	–	--	--	–	–	–	–	Band to Light Pole
	5M-7	R2-1	SPEED LIMIT 30	24	30	--	--	--	--	–	–	--	--	–	–	1	–	
PROJECT 6918-01-72 - CATEGORY 0060 SUBTOTAL						**41.43**	**24.50**	**0**	**0**	**0**	**0**	**2**	**8**	**0**	**19**	**4**	**1**	

3

PERMANENT SIGNING

						637.2210	637.2230	634.0614	634.0616	634.0618	634.0620	634.0808	634.0809	634.0810	634.0811	634.0812	634.0814	
						SIGNS TYPE II		POSTS WOOD 4X6-INCH X				POSTS TUBULAR STEEL 2X2-INCH X						
CATEGORY	SIGN NO	CODE	SIGN MESSAGE	WIDTH	HEIGHT	REFLECTIVE H (SF)	REFLECTIVE F (SF)	14-FT (EACH)	16-FT (EACH)	18-FT (EACH)	20-FT (EACH)	8-FT (EACH)	9.5-FT (EACH)	10-FT (EACH)	11-FT (EACH)	12-FT (EACH)	14-FT (EACH)	NOTES
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL						176.39	0.00	1	5	1	2	0	0	0	0	0	2	
PROJECT 6918-01-72 - CATEGORY 0060 SUBTOTAL						41.43	24.50	0	0	0	0	2	8	0	19	4	1	
0060	5M-9	R1-1	STOP SIGN	30	30	–	–	–	--	–	–	–	–	--	1	–	–	
	5M-10	D3-1	BRADY STREET	–	–	–	–	–	--	–	–	–	–	--	--	–	–	Same Post as 5M-9
	5M-11	D3-1	E WISCONSIN STREET	–	–	–	–	–	--	–	–	–	–	--	--	–	–	Same Post as 5M-9
	5M-13	R7-1	NO PARKING ANYTIME	18	24	–	–	–	--	–	–	–	–	--	--	1	–	
	5M-14	SP	MADISON COLLEGE [UA]	18	24	–	–	–	--	–	–	–	–	1	--	–	–	
	5M-16	R7-1	NO PARKING	18	24	–	–	–	--	–	–	–	–	1	--	–	–	
	5M-17	R7-1	NO PARKING	18	24	–	–	–	--	–	–	–	–	1	--	–	–	
	5M-18	R2-1	SPEED LIMIT 35	24	30	–	–	–	--	–	–	–	–	--	--	1	–	
	5M-19	R7-1	NO PARKING	18	24	–	–	–	--	–	–	–	–	--	--	–	–	Same Post as 5-18
	5-20	W11-2	PEDESTRIAN CROSSING	30	30	–	6.25	–	--	–	–	–	–	--	--	1	–	
	5-21	W16-7L	DIAGONAL DOWN LEFT ARROW	24	12	–	2.00	–	--	–	–	–	–	--	--	–	–	Same Post as 5-20
	5-22	MB6-1	[UA]	21	21	3.06	–	–	--	–	–	–	–	--	--	–	–	Same Post as 5M-6
	5-23	W11-2	PEDESTRIAN CROSSING	30	30	–	6.25	–	--	–	–	–	–	--	--	1	–	
	5-24	W16-7L	DIAGONAL DOWN LEFT ARROW	24	12	–	2.00	–	--	–	–	–	–	--	--	–	–	Same Post as 5-20
	5-25	R7-1D	NO PARKING ANYTIME	18	24	3.00	–	–	--	–	–	–	–	--	--	–	–	Same Post as 5M-7
	6M-1	R7-1	NO PARKING ANYTIME	18	24	–	–	–	--	–	–	–	–	1	--	–	–	Band to Light Pole
	6M-2	D3-1	BROOKS STREET	–	–	–	–	–	--	–	–	–	–	--	1	–	–	
	6M-3	D3-1	E WISCONSIN STREET	–	–	–	–	–	--	–	–	–	–	--	--	–	–	Same Post as 6M-2
	6M-4	R1-1	STOP SIGN	30	30	–	–	–	--	–	–	–	–	--	--	–	–	Same Post as 6M-2
	6M-5	R1-1	STOP SIGN	30	30	–	–	–	--	–	–	–	–	--	1	–	–	
	6M-6	D3-1	WASHINGTON STREET	–	–	–	–	–	--	–	–	–	–	--	--	–	–	Same Post as 6M-5
	6M-7	D3-1	E WISCONSIN STREET	–	–	–	–	–	--	–	–	–	–	--	--	–	–	Same Post as 6M-5
	6M-8	R2-1	SPEED LIMIT 35	24	30	–	–	–	--	–	–	–	–	--	--	–	–	Same Post as 5M-13
	6M-10	R7-1	NO PARKING	18	24	–	–	–	--	–	–	–	–	1	--	–	–	
	6-11	W11-2	PEDESTRIAN CROSSING	30	30	–	6.25	–	--	–	–	–	–	--	--	1	–	
	6-12	W16-7L	DIAGONAL DOWN LEFT ARROW	24	12	–	2.00	–	--	–	–	–	–	--	--	–	–	Same Post as 6-11
	6-13	W11-2	PEDESTRIAN CROSSING	30	30	–	6.25	–	--	–	–	–	–	--	--	1	–	
	6-14	W16-7L	DIAGONAL DOWN LEFT ARROW	24	12	–	2.00	–	--	–	–	–	–	--	--	–	–	Same Post as 6-13
	7M-1	R7-1	NO PARKING ANYTIME	18	24	–	–	–	--	–	–	–	–	--	--	–	–	Band to Light Pole
	7M-2	R1-1	STOP SIGN	30	30	–	–	–	--	–	–	–	–	--	1	–	–	
	7M-3	D3-1	SUPERIOR STREET	–	–	–	–	–	--	–	–	–	–	--	--	–	–	Same Post as 7M-2
	7M-4	D3-1	E WISCONSIN STREET	–	–	–	–	–	--	–	–	–	–	--	--	–	–	Same Post as 7M-2
	7M-5	R7-1	NO PARKING ANYTIME	18	24	–	–	–	--	–	–	–	–	1	--	–	–	
	7M-6	R2-1	SPEED LIMIT 35	24	30	–	–	–	--	–	–	–	–	--	--	–	–	Band to Light Pole
PROJECT 6918-01-72 - CATEGORY 0060 SUBTOTAL						**47.49**	**57.50**	**0**	**0**	**0**	**0**	**2**	**8**	**6**	**23**	**10**	**1**	

PERMANENT SIGNING

CATEGORY	SIGN NO	CODE	SIGN MESSAGE	WIDTH	HEIGHT	637.2210 SIGNS TYPE II REFLECTIVE H (SF)	637.2230 SIGNS TYPE II REFLECTIVE F (SF)	634.0614 POSTS WOOD 4X6-INCH X 14-FT (EACH)	634.0616 POSTS WOOD 4X6-INCH X 16-FT (EACH)	634.0618 POSTS WOOD 4X6-INCH X 18-FT (EACH)	634.0620 POSTS WOOD 4X6-INCH X 20-FT (EACH)	634.0808 POSTS TUBULAR STEEL 2X2-INCH X 8-FT (EACH)	634.0809 POSTS TUBULAR STEEL 2X2-INCH X 9.5-FT (EACH)	634.0810 POSTS TUBULAR STEEL 2X2-INCH X 10-FT (EACH)	634.0811 POSTS TUBULAR STEEL 2X2-INCH X 11-FT (EACH)	634.0812 POSTS TUBULAR STEEL 2X2-INCH X 12-FT (EACH)	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT (EACH)	NOTES
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL						176.39	0.00	1	5	1	2	0	0	0	0	0	2	
PROJECT 6918-01-72 - CATEGORY 0060 SUBTOTAL						47.49	57.50	0	0	0	0	2	8	6	23	10	1	
0060	7M-7	R7-1	NO PARKING	18	24	–	–	–	–	–	--	–	–	–	--	--	–	Band to Light Pole
	7M-8	D3-1	MICHIGAN STREET	–	--	–	–	–	–	–	--	–	–	–	--	--	–	Same Post as 7M-7
	7M-9	D3-1	E WISCONSIN STREET	–	--	–	–	–	–	–	--	–	–	–	--	--	–	Same Post as 7M-7
	7M-10	R1-1	STOP SIGN	30	30	–	–	–	–	–	--	–	–	–	--	--	–	
	7M-11	R7-1	NO PARKING	18	24	–	–	–	–	–	--	–	–	1	--	--	–	
	7M-12	R7-1	NO PARKING	18	24	–	–	–	–	–	--	–	–	–	--	1	–	
	7-13	R2-1	SPEED LIMIT 35 MPH	24	30	5.00	–	–	–	–	--	–	–	–	--	--	–	Same Post as 7M-12
	8M-1	D9-2	HOSPITAL	24	24	–	–	–	–	–	--	–	–	–	--	--	1	
	8M-2	R7-1	NO PARKING ANYTIME	18	24	–	–	–	–	–	--	–	–	–	--	--	–	Same Post as 8M-1
	8M-3	D3-1	WAUONA	–	--	–	–	–	–	–	--	–	–	–	--	1	–	
	8M-4	D3-1	WAUONA TRAIL	–	--	–	–	–	–	–	--	–	–	–	--	--	–	Same Post as 8M-3
	8M-5	D3-1	E WISCONSIN STREET	–	--	–	–	–	–	–	--	–	–	–	--	--	–	Same Post as 8M-3
	8M-6	R1-1	STOP SIGN	30	30	–	–	–	–	–	--	–	–	–	--	--	–	Same Post as 8M-3
	8M-8	R1-1	STOP SIGN	30	30	–	–	–	–	–	--	–	–	–	1	--	–	
	8M-9	D3-1	HURON STREET	–	--	–	–	–	–	–	--	–	–	–	--	--	–	Same Post as 8M-8
	8M-10	D3-1	E WISCONSIN STREET	–	--	–	–	–	–	–	--	–	–	–	--	--	–	Same Post as 8M-8
	8M-11	R7-1	NO PARKING	18	24	–	–	–	–	–	--	–	–	1	--	--	–	
	8M-14	R7-1	NO PARKING	18	24	–	–	–	–	–	--	–	–	1	--	--	–	
	8-15	MB6-1	[UA]	21	21	3.06	–	–	–	–	--	–	–	–	--	--	–	Same Post as 8M-1
	8-16	W11-2	PEDESTRIAN CROSSING	30	30	–	6.25	–	–	–	--	–	–	–	--	1	–	
	8-17	W16-7L	DIAGONAL DOWN LEFT ARROW	24	12	–	2.00	–	–	–	--	–	–	–	--	--	–	
	8-18	W11-2	PEDESTRIAN CROSSING	30	30	–	6.25	–	–	–	--	–	–	–	--	1	–	
	8-19	W16-7L	DIAGONAL DOWN LEFT ARROW	24	12	–	2.00	–	–	–	--	–	–	–	--	--	–	
	8-20	R7-1D	NO PARKING ANY TIME [DBA]	18	24	3.00	–	–	–	–	--	–	–	1	--	--	–	
	9M-1	R2-1	SPEED LIMIT 35	24	30	–	–	–	–	–	--	–	–	–	--	--	–	Band to Light Pole
	9M-2	R7-1	NO PARKING	18	24	–	–	–	–	–	--	–	–	–	--	--	–	Band to Light Pole
	9M-3	R1-1	STOP SIGN	30	30	–	–	–	–	–	--	–	–	–	1	--	–	
	9M-4	D3-1	ERIE STREET	–	--	–	–	–	–	–	--	–	–	–	--	--	–	Same Post as 9M-3
	9M-5	D3-1	E WISCONSIN STREET	–	--	–	–	–	–	–	--	–	–	–	--	--	–	Same Post as 9M-3
	9M-6	D3-1	ONTARIO STREET	–	--	–	–	–	–	–	--	–	–	–	1	--	–	
	9M-7	D3-1	E WISCONSIN STREET	–	--	–	–	–	–	–	--	–	–	–	--	--	–	Same Post as 9M-6
	9M-8	R1-1	STOP SIGN	30	30	–	–	–	–	–	--	–	–	–	--	--	–	Same Post as 9M-6
	9M-9	R2-1B	SPEED LIMIT 35 (LED BLINKER SIGN)	24	30	–	–	–	–	–	--	–	–	–	1	--	–	Moving solar panel incidental to moving sign
	9M-10	R7-1	NO PARKING	18	24	–	–	–	–	–	--	–	–	1	--	--	–	
	9M-12	SP	MAIDSON COLLEGE [UA]	18	24	–	–	–	–	–	--	–	–	1	--	--	–	
	9-13	W11-2	PEDESTRIAN CROSSING	30	30	–	6.25	–	–	–	--	–	–	–	--	1	–	
	9-14	W16-7L	DIAGONAL DOWN LEFT ARROW	24	12	–	2.00	–	–	–	--	–	–	–	--	--	–	Same Post as 9-13
	9-15	W11-2	PEDESTRIAN CROSSING	30	30	–	6.25	–	–	–	--	–	–	–	--	1	–	
	9-16	W16-7L	DIAGONAL DOWN LEFT ARROW	24	12	–	2.00	–	–	–	--	–	–	–	--	--	–	Same Post as 9-15
PROJECT 6918-01-72 - CATEGORY 0060 SUBTOTAL						**58.55**	**90.50**	**0**	**0**	**0**	**0**	**2**	**8**	**12**	**27**	**16**	**2**	
PROJECT 6918-01-72 TOTALS						**234.94**	**90.50**	**1**	**5**	**1**	**2**	**2**	**8**	**12**	**27**	**16**	**4**	

3

PAVEMENT MARKING

CATEGORY	STATION		STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH WHITE DASHED (LF)	646.1020 MARKING LINE EPOXY 4-INCH WHITE DASHED (LF)	646.1020 MARKING LINE EPOXY 4-INCH WHITE DASHED (LF)	646.3020 MARKING LINE EPOXY 8-INCH WHITE (LF)	646.5020 MARKING ARROW EPOXY TYPE 1 (EACH)	646.5020 MARKING ARROW EPOXY TYPE 2 (EACH)	646.5020 MARKING ARROW EPOXY TYPE 3 (EACH)	646.5120 MARKING WORD EPOXY ONLY (EACH)	646.5220 MARKING SYMBOL EPOXY HANDICAP (EACH)	646.6120 MARKING STOPLINE EPOXY 18-INCH (LF)	646.6464 COLD WEATHER MARKING EPOXY 4-INCH WHITE (LF)	646.6464 COLD WEATHER MARKING EPOXY 4-INCH WHITE (LF)	646.6464 COLD WEATHER MARKING EPOXY 8-INCH YELLOW (LF)	646.7120 MARKING DIAGONAL EPOXY 12-INCH (LF)	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (LF)	646.8120 MARKING CURB EPOXY (LF)	646.8220 MARKING ISLAND NOSE EPOXY (EACH)	646.8320 MARKING PARKING STALL EPOXY (EACH)
0010	100'WS'+37	-	107'WS'+10	WISCONSIN ST	170	--	710	300	2	2	–	2	–	105	110	110	75	--	285	--	4	–
	107'WS'+10	-	132'WS'+00	WISCONSIN ST	1245	--	4980	175	--	–	–	–	–	115	780	780	45	--	525	--	--	–
	132'WS'+00	-	140'WS'+00	WISCONSIN ST	405	--	1825	--	--	–	–	–	–	40	280	280	–	75	300	--	2	–
	140'WS'+00	-	151'WS'+25	WISCONSIN ST	545	225	2250	125	--	2	–	–	–	60	350	350	30	--	260	--	--	–
	538"+25	-	541"+00	DEWITT ST	--	120	520	50	--	3	1	1	–	65	–	–	–	--	345	--	2	–
	541"+00	-	542"+12	DEWITT ST	--	--	235	100	--	1	1	1	–	–	–	–	–	50	--	--	--	–
	542"+79	-	544"+75	DEWITT ST	--	--	315	--	--	–	–	–	–	–	–	–	–	--	615	--	--	–
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL					2,365	345	10,835	**750**	2	8	2	**4**	**0**	**385**	1,520	1,520	**150**	**125**	**2,330**	**0**	**8**	**0**
						13,545				**12**						**3,040**						
0030	100'WS'+37	-	107'WS'+10	WISCONSIN ST	--	--	–	--	--	–	–	–	–	–	–	–	–	--	--	--	1345	--	70.00
	107'WS'+10	-	132'WS'+00	WISCONSIN ST	--	--	–	--	--	–	–	–	–	–	–	–	–	--	--	--	4980	--	–
	132'WS'+00	-	140'WS'+00	WISCONSIN ST	--	--	–	--	--	–	–	–	–	–	–	–	–	--	--	--	1600	--	–
	140'WS'+00	-	151'WS'+25	WISCONSIN ST	--	--	–	--	--	–	–	–	–	–	–	–	–	--	--	--	1600	--	–
	538"+25	-	541"+00	DEWITT ST	--	--	–	--	--	–	–	–	–	–	–	–	–	--	--	--	250	--	80.0
	541"+00	-	542"+12	DEWITT ST	--	--	–	--	--	–	–	–	–	–	–	–	–	--	--	--	--	--	20.0
	542"+79	-	544"+75	DEWITT ST	--	--	–	--	--	–	–	–	1	–	–	–	–	--	--	--	--	--	385.0
PROJECT 6918-01-72 - CATEGORY 0030 SUBTOTAL					0	0	0	**0**	0	0	0	**0**	**1**	**0**	0	0	**0**	**0**	**0**	**0**	**9,775**	**0**	**555**
						0				**0**						**0**						
PROJECT 6918-01-72 TOTALS					2,365	345	10,835	**750**	2	8	2	**4**	**1**	**385**	1,520	1,520	**150**	**125**	**2,330**	**9,775**	**8**	**555**
						13,545				**12**						**3,040**						

3

PIPE UNDERDRAIN

CATEGORY	STATION		STATION	OFFSET	612.0406 PIPE UNDERDRAIN WRAPPED 6-INCH (LF)	310.0110 BASE AGGREGATE OPEN GRADED (TON)	645.0111 GEOTEXTILE TYPE DF SCHEDULE A (SY)
0010	11'WE'+74	-	12'WE'+37	LT	55	3	25
	99'WI'+85	-	100'WI'+59	RT	70	5	35
	101'WI+42	-	102'W'+11	LT	60	4	30
	538'DE'+55	-	539'DE'+25	LT	70	4	30
	10'DS'+40	-	10'DS'+82	RT	40	3	20
	109'WI'+28	-	110'WI'+28	LT	55	3	25
	110'WI'+46	-	111'WI'+53	RT	105	7	50
	112'WI'+72	-	113'WI'+80	RT	105	7	50
	115'WI'+71	-	117'WI+75	RT	200	13	90
	115'WI'+71	-	116'WI'+50	LT	80	5	35
	117'WI'+05	-	117'WI'+52	LT	55	3	25
	10'BS'+31	-	10'BS'+77	LT	50	3	20
	10'BS'+44	-	10'BS'+77	RT	35	2	15
	124'WI'+50	-	125'WI'+65	RT	115	7	50
	125'WI'+05	-	125'WI'+65	LT	60	4	25
	10'WS'+26.	-	10'WSI'+60	LT	40	3	20
	132'WI'+39	-	133'W'I+63	RT	120	8	55
	132'WI'+91	-	133'WI'+66	LT	70	5	35
	10'MS'+26	-	10'MS'+73	RT	55	3	25
	10'HS'+26	-	10'HS'+51	RT	55	3	25
	140'WI+24	-	141'WI'+90	LT	60	4	30
	140'WI'+74	-	141'WI'+90	RT	115	7	50
	147'WI'+44	-	149'WI'+07	RT	130	9	60
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL					**1,800**	**115**	**825**
PROJECT 6918-01-72 TOTALS					**1,800**	**115**	**825**

3

DUST CONTROL SURFACE TREATMENT

CATEGORY	STAGE	STATION TO STATION	623.0200 (SY)
0010			
	STAGE 2		
		WISCONSIN STREET	
		BOP - WARRENS STREET	1,110
		WARRENS STREET - PAUQUETTE STREET	1,720
		PAUQUETTE STREET - BROOKS STREET	1,750
		BROOKS STREET - SUPERIOR STREET	1,750
		SUPERIOR STREET - WAUONA TRAIL	1,790
		WAUONA TRAIL - ERIE STREET	1,790
		ERIE STREET - EOP	1,490
	STAGE 2 TOTAL		11,400
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**11,400**
PROJECT 6918-01-72 TOTALS			**11,400**

INLET PROTECTION

CATEGORY	STAGE	STATION TO STATION	628.7005 INLET PROTECTION TYPE A (EACH)	628.7010 INLET PROTECTION TYPE B (EACH)	628.7015 INLET PROTECTION TYPE C (EACH)	628.7020 INLET PROTECTION TYPE D (EACH)
0010	STAGE 1					
		DEWITT STREET				
		WISCONSIN STREET - COOK STREET	2	---	2	---
		COOK STREET - PLEASANT STREET	14	---	14	---
	STAGE 1 TOTAL		16	---	16	---
	STAGE 2					
		WISCONSIN STREET				
		BOP - WARRENS STREET	18	---	17	1
		WARRENS STREET - PAUQUETTE STREET	11	---	13	---
		PAUQUETTE STREET - BROOKS STREET	20	2	18	2
		BROOKS STREET - SUPERIOR STREET	8	---	6	2
		SUPERIOR STREET - WAUONA TRAIL	9	---	7	2
		WAUONA TRAIL - ERIE STREET	10	---	8	2
		ERIE STREET - EOP	4	---	3	1
	STAGE 2 TOTAL		80	2	72	10
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**96**	**2**	**88**	**10**
PROJECT 6918-01-72 TOTALS			**96**	**2**	**88**	**10**

WATER

CATEGORY	TASK	624.0100 WATER (MGAL)
0010		
	DUST CONTROL	650
	COMPACTION	650
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL		**1,300**
PROJECT 6918-01-72 TOTALS		**1,300**

MOBILIZATIONS EROSION CONTROL

CATEGORY	STAGE	628.1905 MOBILIZATIONS EROSION CONTROL (EACH)	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL (EACH)
0010	STAGE 1	3	2
	STAGE 2	3	6
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL		**6**	**8**
PROJECT 6918-01-72 TOTALS		**6**	**8**

EROSION CONTROL

CATEGORY	STAGE	STATION TO STATION	628.1504 SILT FENCE (LF)	628.1520 SILT FENCE MAINTENANCE (LF)	628.7560 TRACKING PADS (EA)
0010	STAGE 1				
		DEWITT STREET			
		WISCONSTIN STREET - COOK STREET	–	–	1
		COOK STREET - PLEASANT STREET	–	–	1
	STAGE 2				
		WISCONSIN STREET			
		BOP - WARRENS STREET	445	1,340	1
		ERIE STREET - EOP	560	1,680	1
		UNDISTRIBUTED	255	760	2
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**1,260**	**3,780**	**6**
PROJECT 6918-01-72 TOTALS			**1,260**	**3,780**	**6**

MARKERS CULVERT END

CATEGORY	STATION	OFFSET	633.5200 (EACH)
0010			
	103+50 'WI'	LT	1
	103+50 'WI'	RT	1
	150+45 'WI'	RT	1
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**3**
PROJECT 6918-01-72 TOTALS			**3**

TRAFFIC CONTROL

CATEGORY	LOCATION	NO. OF DAYS*	643.0300 DRUMS (DAY)	643.0410 BARRICADES TYPE II (DAY)	643.0420 BARRICADES TYPE III (DAY)	643.0705 WARNING LIGHTS TYPE A (DAY)	643.0715 WARNING LIGHTS TYPE C (DAY)	643.0900 SIGNS (DAY)	643.1050 SIGNS PCMS (DAY)
0010									
	STAGE 1A	45	2,380	495	2,610	1,620	310	4,770	7
	STAGE 1B	3	100	55	180	105	---	325	---
	STAGE 1C	3	100	55	180	115	---	330	---
	STAGE 2A	14	250	280	1,170	785	---	8,040	7
	STAGE 2B	141	---	3,525	9,730	7,050	---	78,960	---
	UNDISTRIBUTED	---	300	445	1,390	970	40	9,250	---
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**3,130**	**4,855**	**15,260**	**10,645**	**350**	**101,675**	**14**
PROJECT 6918-01-72 TOTALS			**3,130**	**4,855**	**15,260**	**10,645**	**350**	**101,675**	**14**

* FOR REFERENCE ONLY

3

COVERING SIGNS TYPE II

CATEGORY	LOCATION	643.0920 (EACH)
0010		
	STAGE 1	3
	STAGE 2	---
	UNDISTRIBUTED	2
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL		**5**
PROJECT 6918-01-72 TOTALS		**5**

NOTE: ONE CYCLE PER STAGE

TEMPORARY PEDESTRIAN ACCESS

CATEGORY	STAGE	LOCATION	644.1410 TEMPORARY PEDESTRIAN SURFACE ASPHALT (SF)	644.1420 TEMPORARY PEDESTRIAN SURFACE PLYWOOD (SF)	644.1430 TEMPORARY PEDESTRIAN SURFACE PLATE (SF)	644.1601 TEMPORARY PEDESTRIAN CURB RAMP (DAY)	644.1810 BARRICADE (LF)
0010	STAGE 1						
	STAGE 1A	DEWITT STREET	85	45	45	540	890
	STAGE 1B	DEWITT STREET	60	30	30	30	750
	STAGE 1C	DEWITT STREET	60	30	30	25	315
	STAGE 1 SUBTOTAL		205	105	105	595	1,955
	STAGE 2						
	STAGE 2A	WISCONSIN STREET	1,850	925	925	365	3,630
	STAGE 2B	WISCONSIN STREET	1,255	630	630	565	1,330
	STAGE 2 SUBTOTAL		3,105	1,555	1,555	930	4,960
	UNDISTRIBUTED		190	140	140	175	85
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**3,500**	**1,800**	**1,800**	**1,700**	**7,000**
PROJECT 6918-01-72 TOTALS			**3,500**	**1,800**	**1,800**	**1,700**	**7,000**

GEOTEXTILE TYPE SAS

CATEGORY	STAGE	STATION TO STATION	645.0140 (SY)
0010			
	STAGE 2		
		WISCONSIN STREET	
		PAUQUETTE STREET - BROOKS STREET	2,130
		BROOKS STREET - SUPERIOR STREET	2,190
		SUPERIOR STREET - WAUONA TRAIL	3,890
		WAUONA TRAIL - ERIE STREET	4,490
		ERIE STREET - EOP	2,500
	STAGE 2 TOTAL		15,200
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**15,200**
PROJECT 6918-01-72 TOTALS			**15,200**

MARKING REMOVAL

CATEGORY	STAGE	STATION TO STATION	646.9000 MARKING REMOVAL LINE 4-INCH (LF)	646.9100 MARKING REMOVAL LINE 8-INCH (LF)	646.9200 MARKING REMOVAL LINE WIDE (LF)	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH (LF)
0010	STAGE 1					
		DEWITT STREET				
		WISCONSIN STREET - COOK STREET	935	250	60	940
	STAGE 1 TOTAL		935	250	60	940
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**935**	**250**	**60**	**940**
PROJECT 6918-01-72 TOTALS			**935**	**250**	**60**	**940**

TREE GRATES

SPV.0060.01

CATEGORY	STATION	OFFSET	TREE GRATES (EACH)
0030			
	540+43.55 'DE'	24.0 LT	1
	540+20.76 'DE'	24.0 RT	1
	540+93.92 'DE'	24.0 RT	1
	541+02.16 'DE'	24.0 LT	1
	541+71.40 'DE'	24.0 RT	1
	541+77.29 'DE'	24.0 LT	1
	544+11.96 'DE'	24.0 RT	1
	544+14.22 'DE'	24.0 LT	1
	544+74.97 'DE'	24.0 RT	1
	544+86.53 'DE'	24.0 LT	1
	545+32.86 'DE'	24.0 RT	1
	545+37.83 'DE'	24.0 LT	1
	547+28.23 'DE'	24.0 LT	1
	548+16.91 'DE'	24.0 RT	1
	548+56.03 'DE'	24.0 LT	1
PROJECT 6918-01-72 - CATEGORY 0030 SUBTOTAL			**15**
PROJECT 6918-01-72 TOTALS			**15**

CONSTRUCTION STAKING

CATEGORY	STAGE	STATION TO STATION	650.4500 SUBGRADE (LF)	650.5000 BASE (LF)	650.5500 CURB GUTTER AND CURB & GUTTER (LF)	650.9000 CURB RAMP (EACH)	650.9920 SLOPE STAKES (LF)
0010	STAGE 1						
		DEWITT STREET					
		WISCONSIN STREET - COOK STREET	410	410	1,010	5	410
		COOK STREET - PLEASANT STREET	600	600	1,190	15	600
	STAGE 1 TOTAL		1,010	1,010	2,200	20	1,010
	STAGE 2						
		WISCONSIN STREET					
		BOP - WARRENS STREET	710	710	1,926	15	710
		WARRENS STREET - PAUQUETTE STREET	770	770	1,631	16	770
		PAUQUETTE STREET - BROOKS STREET	780	780	1,596	8	780
		BROOKS STREET - SUPERIOR STREET	785	785	1,573	6	790
		SUPERIOR STREET - WAUONA TRAIL	800	800	2,027	8	800
		WAUONA TRAIL - ERIE STREET	800	800	1,675	4	800
		ERIE STREET - EOP	665	665	1,077	5	990
	STAGE 2 TOTAL		5,310	5,310	11,505	62	5,640
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**6,320**	**6,320**	**13,705**	**82**	**6,650**
PROJECT 6918-01-72 TOTALS			**6,320**	**6,320**	**13,705**	**82**	**6,650**

SAWING

CATEGORY	STAGE	STATION TO STATION	690.0150 ASPHALT (LF)	690.0250 CONCRETE (LF)
0010	STAGE 1			
		DEWITT STREET		
		WISCONSIN STREET - COOK STREET	360	1,285
		COOK STREET - PLEASANT STREET	185	1,790
	STAGE 1 TOTAL		545	3,075
	STAGE 2			
		WISCONSIN STREET		
		BOP - WARRENS STREET	485	275
		WARRENS STREET - PAUQUETTE STREET	420	190
		PAUQUETTE STREET - BROOKS STREET	535	120
		BROOKS STREET - SUPERIOR STREET	390	210
		SUPERIOR STREET - WAUONA TRAIL	555	215
		WAUONA TRAIL - ERIE STREET	675	10
		ERIE STREET - EOP	165	35
	STAGE 2 TOTAL		3,225	1,055
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**3,770**	**4,130**
PROJECT 6918-01-72 TOTALS			**3,770**	**4,130**

3

ABANDON EXISTING VAULT

CATEGORY	STATION TO STATION	OFFSET	SPV.0060.02 (EACH)
0010			
	113+36 'WI'	RT	1
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**1**
PROJECT 6918-01-72 TOTALS			**1**

ROOF DRAIN TAP

CATEGORY	STATION TO STATION	SPV.0060.21 ROOF DRAIN TAP (EACH)
0010		
	UNDISTRIBUTED	5
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL		**5**
PROJECT 6918-01-72 TOTALS		**5**

SIDEWALK VAULT CLOSURE

CATEGORY	STATION TO STATION	OFFSET	209.2100 BACKFILL GRANULAR GRADE 2 (CY)	SPV.0165.04 SIDEWALK VAULT CLOSURE (SF)
0010				
	541+94 'DE'	RT	15	100
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL			**15**	**100**
PROJECT 6918-01-72 TOTALS			**15**	**100**

ADJUSTING ITEMS

CATEGORY	STATION	OFFSET	SPV.0060.03 ADJUSTING SANITARY MANHOLE COVER (EACH)	SPV.0060.04 ADJUSTING WATER VALVE BOXES (EACH)
0040				
	539+55 'DE'	RT	1	---
	539+61 'DE'	LT	---	1
	539+69 'DE'	LT	---	1
	540+22 'DE'	LT	---	1
	541+61 'DE'	RT	---	1
	546+06 'DE'	RT	2	---
	546+18 'DE'	LT	---	1
	546+25 'DE	LT	---	1
	546+34 'DE'	LT	---	1
	546+54 'DE'	LT	---	1
	549+19 'DE'	LT	---	1
	549+31 'DE'	LT	1	---
	549+39 'DE'	LT	---	1
	100+55 'WI'	RT	---	1
	101+00 'WI'	LT	---	1
	101+20 'WI	RT	1	---
	101+53 'WI'	RT	---	1
	104+96 'WI'	RT	---	1
	105+36 'WI'	RT	---	1
	105+93 'WI'	LT	1	---
	106+03 'WI'	RT	---	1
	106+60 'WI'	LT	---	1
	108+72 'WI'	RT	---	1
	108+79 'WI	RT	---	1
	108+95 'WI	LT	1	—
	109+35 'WI'	RT	---	1
	111+57 'WI'	RT	---	1
	112+57 'WI'	RT	---	1
	112+87 'WI'	RT	---	1
	112+93 'WI	LT	1	—
	116+82 'WI	LT	1	—
	132+61 'WI'	LT	---	1
	136+40 'WI'	LT	---	2
	140+75 'WI'	LT	---	1
	144+93 'WI'	LT	---	1
	148+23 'WI'	LT	---	1
	148+53 'WI'	LT	---	1
	10+34 'BS'	RT	---	1
	10+52 'BS'	RT	---	1
	10+34 'PS'	LT	---	1
	10+44 'WH'	RT	---	1
	10+40 'MS'	RT	---	1
	10+37 'HS'	RT	---	1
	10+28 'EE'	RT	---	1
	10+70 'OS	LT	1	—
PROJECT 6918-01-72 TOTAL - CATEGORY 0040			**10**	**37**
PROJECT 6918-01-72 TOTALS			**10**	**37**

WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH

CATEGORY	LOCATION	612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH (LF)	*612.0406 PIPE UNDERDRAIN WRAPPED 6-INCH (LF)	SPV.0165.01 (LEVEE CONNECTION #1) (SF)	SPV.0165.02 (LEVEE CONNECTION #2) (SF)
0010					
	LEVEE CONNECTION 2	20	270	---	675
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL		**20**	**270**	**---**	**675**
0030					
	LEVEE CONNECTION 1	25	330	825	—
PROJECT 6918-01-72 - CATEGORY 0030 SUBTOTAL		**25**	**330**	**825**	**---**
PROJECT 6918-01-72 TOTALS		**45**	**600**	**825**	**675**

*Item also listed in Storm Sewer

3

UTILITY LINE OPENING (ULO)

CATEGORY	STATION TO STATION	SPV.0060.20 ULO (EACH)
0010		
	UNDISTRIBUTED	2
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL		**2**
PROJECT 6918-01-72 TOTALS		**2**

TREE ROOT CUTTING AND REMOVAL

CATEGORY	STATION TO STATION	SPV.0060.22 TREE ROOT CUTTING AND REMOVAL (EACH)
0010		
	549+00 'DE' LT	1
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL		**1**
PROJECT 6918-01-72 TOTALS		**1**

HISTORIC RAILING

CATEGORY	STATION TO STATION	OFFSET	SPV.0090.02 REMOVE, PAINT, AND REINSTALL HISTORIC RAILING (LF)	SPV.0165.03 CONCRETE SIDEWALK THICKENED EDGE (SF)
0030				
	102+41.82 'WI' - 103+43.42 'WI'	RT	100	600
	103+98.75 'WI' - 104+67.91 'WI'	LT	80	—
PROJECT 6918-01-72 - CATEGORY 0030 SUBTOTAL			**180**	**600**
PROJECT 6918-01-72 TOTALS			**180**	**600**

CONTAMINATED SOIL

CATEGORY	STATION TO STATION	SPV.0195.01 EXCAVATION, HAULING AND DISPOSAL OF CONTAMINATED SOIL BIOREMEDIATON (TON)	SPV.0195.02 EXCAVATION, HAULING AND DISPOSAL OF CONTAMINATED SOIL DIRECT LANDFILL (TON)
0060			
	WISCONSIN STREET		
	STORM SEWER	1,780	1,450
	GRADING	670	650
	PORTAGE CULVERT PIPE	--	700
PROJECT 6918-01-72 - CATEGORY 0060 SUBTOTAL		**2,450**	**2,800**
PROJECT 6918-01-72 TOTALS		**2,450**	**2,800**

WISCONSIN RIVER LEVEE PLAN

CATEGORY	STATION TO STATION	SPV.0060.23 EMERGENCY ACTION PLAN (EACH)	SPV.0060.24 EMERGENCY RESPONSE (EACH)
0010			
	UNDISTRIBUTED	1	1
PROJECT 6918-01-72 - CATEGORY 0010 SUBTOTAL		**1**	**1**
PROJECT 6918-01-72 TOTALS		**1**	**1**

LIGHTING REMOVALS

	STATION	OFFSET	R/L	204.0195* REMOVING CONCRETE BASES EACH	204.9060.S.01 REMOVING HANDHOLES EACH	653.0905* REMOVING PULL BOXES EACH	SPV.0060.10 REMOVE EXISTING ELECTRICAL SERVICE EACH	SPV.0060.11 REMOVE STREET LIGHT ASSEMBLY EACH
6918-01-72								
ALL ITEMS ARE CATEGORY 0050								
EXSL100	12+10'WE'	5.0'	RT	1	--	--	--	1
EXSL101	101+53'WI'	27.0'	RT	1	--	--	--	1
EXSL102	538+75'DE'	50'	LT	1	--	--	--	1
EXSL103	102+56'WI'	22.5'	LT	1	--	--	--	1
EXSL104	103+55'WI'	52.9'	RT	1	--	--	--	1
EXSL105	107+26'WI'	22.5'	RT	1	--	--	--	1
EXPB100	106+55'WI'	25.0'	RT	--	--	1	--	--
EXSL200	539+90'DE'	22.5'	LT	1	--	--	--	1
EXSL201	540+82'DE'	22.3'	RT	1	--	--	--	1
EXSL202	540+83'DE'	25.5'	LT	1	--	--	--	1
EXSL203	541+57'DE'	21.8'	RT	1	--	--	--	1
EXSL204	541+84'DE'	25.2'	LT	1	--	--	--	1
EXSL205	539+90'DE'	22.6'	LT	--	--	--	--	--
EXPB200	541+35'DE'	25.0'	RT	--	--	1	--	--
EXHH200	541+40'DE'	25.0'	LT	--	1	--	--	--
EXHH201	541+57'DE'	21.8'	RT	--	1	--	--	--
EXHH202	540+82'DE'	22.3'	RT	--	1	--	--	--
EXMBP200	541+30'DE'	100.0'	LT	--	--	--	1	--
EXSL300	544+30'DE'	24.4'	RT	1	--	--	--	1
EXSL301	544+31'DE'	25.8'	LT	1	--	--	--	1
EXSL302	545+01'DE'	24.3'	RT	1	--	--	--	1
EXSL303	545+01'DE'	25.3'	LT	1	--	--	--	1
EXSL304	545+69'DE'	24.5'	RT	1	--	--	--	1
EXSL305	546+69'DE'	25.9'	LT	1	--	--	--	1
EXSL306	545+01'DE'	25.3'	LT	1	--	--	--	1
EXSL307	547+79'DE'	24.9'	RT	1	--	--	--	1
EXPB300	544+30'DE'	25.0'	RT	--	--	1	--	--
EXPB301	544+45'DE'	25.0'	LT	--	--	1	--	--
EXPB302	545+80'DE'	25.0'	LT	--	--	1	--	--
EXHH300	546+69'DE'	25.9'	LT	--	1	--	--	--
EXMBP300	544+45'DE'	50.0'	RT	--	--	--	1	--
EXSL400	538+60'DE'	50.0'	LT	1	--	--	--	1
EXSL401	108+63'WI'	26.9'	LT	1	--	--	--	1
EXSL402	109+44'WI'	24.0'	RT	1	--	--	--	1
EXSL403	110+45'WI'	27.6'	LT	1	--	--	--	1
EXSL404	111+48'WI'	24.0'	RT	1	--	--	--	1
EXSL405	112+51'WI'	28.0'	LT	1	--	--	--	1
EXSL406	113+30'WI'	23.0'	RT	1	--	--	--	1
EXSL407	116+36'WI'	29.0'	LT	1	--	--	--	1
EXSL408	115+40'WI'	22.9'	RT	1	--	--	--	1
EXHH400	107+25'WI'	25.0'	LT	--	1	--	--	--
EXMBP400	109+30'WI'	50.0'	LT	--	--	--	1	--
EXSL500	117+15'WI'	22.7'	RT	1	--	--	--	1
EXSL501	120+75'WI'	22.8'	RT	1	--	--	--	1
EXSL502	124+67'WI'	22.5'	RT	1	--	--	--	1
EXSL503	128+59'WI'	22.5'	RT	1	--	--	--	1
EXSL504	132+51'WI'	22.6'	RT	1	--	--	--	1
EXSL505	136+59'WI'	23.0'	RT	1	--	--	--	1
EXHH500	128+60'WI'	25.0'	RT	--	1	--	--	--
EXMBP500	126+50'WI'	50.0'	LT	--	--	--	1	--
EXSL600	140+68'WI'	23.9'	RT	1	--	--	--	1
EXSL601	144+62'WI'	24.6'	RT	1	--	--	--	1
EXMBP600	147+75'WI'	30.0'	RT	--	--	--	1	--
EXSL700	103+50'WI'	80.0'	RT	1	--	--	--	1
EXSL701	102+45'WI'	50.0'	RT	--	--	--	--	--
EXSL800	140+68'WI'	23.9'	RT	--	--	--	--	--
EXSL801	144+62'WI'	24.6'	RT	--	--	--	--	--
EXSL900	12+15'WE'	15.0'	RT	1	--	--	--	1
EXSL901	12+30'WE'	35.2'	RT	1	--	--	--	1
EXSL902	101+43'WI'	34.5'	RT	1	--	--	--	1
EXSL903	101+80'WI'	30.0'	RT	1	--	--	--	1
EXSL904	101+95'WI'	25.0'	LT	1	--	--	--	1
EXSL905	539+15'DE'	0.5'	LT	1	--	--	--	1
6918-01-72 PROJECT TOTAL				43	6	5	5	43

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

LIGHTING LINEAR REMOVALS

FROM	-	TO	204.9090.S.01 REMOVING ELECTRICAL CONDUCTORS FROM EXISTING CONDUIT LF
6918-01-72			
ALL ITEMS ARE CATEGORY 0050			
EXSL 100	-	EXSL 101	90
EXSL 101	-	EXSL 104	190
EXSL 104	-	EXPB 2	110
EXSL 102	-	EXPB 6	80
EXSL 103	-	EXPB 5	125
EXSB 7	-	EXPB 100	85
EXPB 100	-	EXSL 105	75
EXSL 200	-	EXSL 202	90
EXSL 202	-	EXHH 200	55
EXHH 200	-	EXMBP 200	70
EXHH 200	-	EXPB 200	50
EXPB 200	-	EXHH 201	20
EXHH 201	-	EXSL 203	10
EXHH 201	-	EXHH 202	70
EXHH 202	-	EXSL 201	10
EXHH 200	-	EXSL 204	45
EXSL 204	-	EXSL 205	65
EXSL 301	-	EXPB 301	20
EXPB 301	-	EXPB 300	50
EXPB 301	-	EXSL 303	55
EXSL 303	-	EXPB 302	80
EXPB 302	-	EXSL 304	50
EXPB 302	-	EXSL 305	90
EXSL 305	-	EXHH 300	10
EXHH 300	-	EXSL 307	220
EXSL 300	-	EXPB 300	10
EXPB 300	-	EXMBP 300	15
EXPB 300	-	EXSL 302	65
EXSL 302	-	EXSL 304	70
EXSL 304	-	EXSL 306	210
EXSL 400	-	EXPB 7	220
EXPB 8	-	EXHH 400	170
EXHH 400	-	EXSL 401	140
EXSL 401	-	EXMBP 400	75
EXMBP 400	-	EXSL 403	125
EXSL 403	-	EXSL 405	200
EXSL 405	-	EXSL 407	385
EXMBP 400	-	EXSL 402	75
EXSL 402	-	EXSL 404	205
EXSL 404	-	EXSL 406	185
EXSL 500	-	EXSL 501	365
EXSL 501	-	EXSL 502	395
EXSL 502	-	EXMBP 500	245
EXSL 502	-	EXSL 503	390
EXSL 503	-	EXHH 500	10
EXHH 500	-	EXSL 504	390
EXSL 504	-	EXSL 505	410
EXSL 600	-	EXSL 601	395
EXSL 601	-	EXMBP 600	230
EXSL 701	-	EXSL 700	110
EXSL 900	-	EXSL 901	35
EXSL 901	-	EXSL 902	40
EXSL 902	-	EXSL 903	40
EXSL 903	-	EXSL 904	70
EXSL 904	-	EXSL 905	115
6918-01-72 PROJECT TOTAL			7205

LIGHTING PULLBOXES

	STATION	OFFSET	R/L	653.0164 * PULL BOX NON-CONDUCTIVE 24X42-INCH EACH
6918-01-72				
ALL ITEMS ARE CATEGORY 0050				
PB100	100+53'WI'	37.1'	RT	1
PB101	101+23'WI'	37.1'	RT	1
PB102	102+31'WI'	27.5'	RT	1
PB103	104+39'WI'	27.5'	RT	1
PB104	106+07'WI'	27.5'	RT	1
PB105	112+37'WI'	27.5'	RT	1
PB106	101+17'WI'	27.5'	LT	1
PB107	102+31'WI'	66.7'	LT	1
PB108	102+33'WI'	71.4'	LT	1
PB109	539+98'DE'	26.3'	LT	1
PB110	539+42'DE'	33.1'	RT	1
PB111	103+46'WI'	80.5'	LT	1
PB112	104+39'WI'	37.1'	LT	1
PB113	106+06'WI'	28.2'	LT	1
PB114	108+57'WI'	27.5'	LT	1
PB115	112+37'WI'	27.5'	LT	1
PB116	116+31'WI'	27.5'	LT	1
PB200	136+18'WI'	39.5'	RT	1
PB201	136+18'WI'	4.8'	RT	1
PB202	136+19'WI'	35.1'	LT	1
PB203	140+19'WI'	27.6'	LT	1
PB204	140+53'WI'	39.8'	LT	1
PB205	149+03'WI'	43.7'	LT	1
PB300	544+40'DE'	25.1'	LT	1
PB301	544+33'DE'	25.2'	LT	1
PB302	544+45'DE'	25.1'	LT	1
PB303	20+46'EP'	20.0'	RT	1
PB304	12+23'WP'	21.8'	LT	1
PB305	549+67'DE'	18.8'	RT	1
6918-01-72 PROJECT TOTAL				29

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

LIGHTING CONTROL

CABINET NUMBER	STATION	OFFSET	R/L	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30 EACH	656.0200.02 ELECTRICAL SERVICE METER BREAKER PEDESTAL (CB100) LS	659.2130 LIGHTING CONTROL CABINETS 120/240V 30-INCH EACH	SPV.0105.10 ELECTRICAL SERVICE METER BREAKER PEDESTAL SPECIAL (WISCONSIN & HURON) LS	SPV.0105.11 ELECTRICAL SERVICE METER BREAKER PEDESTAL SPECIAL (DE WITT & CONANT) LS
6918-01-72								
ALL ITEMS ARE CATEGORY 0050								
CB100	539+04'DE'	67.3'	LT	1	1	1	--	--
MB200	140+35'WI'	38.7'	LT	--	--	--	1	--
MB300	544+46'DE'	37.0'	LT	--	--	--	--	1
6918-01-72 PROJECT TOTAL				1	1	1	1	1

LIGHTING CONDUIT AND WIRE

FROM	-	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 * CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	REMARKS
6918-01-72							
ALL ITEMS ARE CATEGORY 0050							
SL 100	-	PB 100	25	--	--	190	--
PB 100	-	PB 101	--	75	--	455	--
PB 101	-	SL 101	--	15	--	280	--
PB 101	-	PB 106	--	65	81	--	PULL WIRE ONLY
PB 101	-	SL 102	40	--	--	265	--
SL 102	-	PB 102	70	--	--	415	--
PB 102	-	PB 107	--	95	--	555	--
PB 102	-	PB 107	--	95	--	555	--
PB 102	-	PB 103	210	--	--	1,130	--
PB 103	-	PB 112	--	65	81	--	PULL WIRE ONLY
PB 103	-	PB 104	--	170	--	930	--
PB 104	-	SL 103	80	--	--	465	--
PB 104	-	SL 104	--	25	--	380	--
PB 104	-	PB 113	--	60	76	--	PULL WIRE ONLY
SL 104	-	SL 105	230	--	--	1,200	--
SL 105	-	SL 106	170	--	--	900	--
SL 106	-	PB 105	215	--	--	1,140	--
PB 105	-	PB 115	--	60	76	--	PULL WIRE ONLY
PB 105	-	SL 107	--	10	--	230	--
PB 105	-	SL 108	215	--	--	1,140	--
SL 108	-	SL 109	195	--	--	1,025	--
PB 106	-	SL 110	25	--	38	--	PULL WIRE ONLY
SL 110	-	SL 111	95	--	--	525	--
SL 111	-	PB 107	--	20	--	330	--
PB 107	-	CB 100	--	15	--	165	--
PB 107	-	CB 100	--	15	--	165	--
PB 107	-	CB 100	--	15	33	--	PULL WIRE ONLY
CB 100	-	PB 108	--	15	--	165	--
CB 100	-	PB 108	--	15	--	165	--
CB 100	-	PB 108	--	15	--	165	--
CB 100	-	PB 108	--	15	--	99	--
PB 108	-	PB 111	--	115	--	655	--
PB 108	-	PB 111	--	115	--	655	--
PB 108	-	SL 112	40	--	--	265	--
SL 112	-	SL 113	60	--	--	350	--
SL 113	-	SL 114	80	--	--	450	--
SL 114	-	SL 115	80	--	--	450	--
SL 115	-	SL 116	90	--	--	500	--
SL 117	-	SL 118	80	--	--	450	--
SL 118	-	SL 119	80	--	--	450	--
SL 119	-	PB 109	10	--	--	115	--
PB 109	-	PB 110	--	65	--	405	--
PB 110	-	SL 120	10	--	--	207	--
PB 110	-	SL 121	55	--	--	340	--
SL 121	-	PB 111	50	--	--	315	--
PB 111	-	SL 133	--	20	--	330	--
SL 133	-	SL 134	70	--	--	240	--
PB 111	-	PB 112	110	--	--	630	--
PB 112	-	SL 122	30	--	--	215	--
SL 122	-	SL 123	105	--	--	575	--
SL 123	-	PB 113	--	40	--	530	--
PB 113	-	SL 124	65	--	--	390	--
PB 113	-	SL 125	130	--	--	715	--
SL 125	-	PB 114	125	--	--	690	--
PB 114	-	SL 126	--	20	--	330	--
PB 114	-	SL 127	95	--	--	540	--
SL 127	-	SL 128	205	--	--	1,075	--
SL 128	-	PB 115	85	--	--	490	--
PB 115	-	SL 129	--	40	--	265	--
PB 115	-	SL 130	110	--	--	615	--
SL 130	-	SL 131	220	--	--	1,150	--
SL 131	-	PB 116	80	--	--	465	--
PB 116	-	SL 132	35	--	--	240	--
PB 116	-	SL 200	100	--	113	--	PULL WIRE ONLY
SL 200	-	SL 201	135	--	--	725	--
SL 201	-	SL 202	170	--	--	900	--
SL 202	-	SL 203	90	--	--	500	--
SL 203	-	SL 204	175	--	--	925	--
SL 204	-	SL 205	130	--	--	700	--
SL 205	-	SL 206	85	--	--	475	--
SUBTOTAL			4470	1275	498	31876	

LIGHTING CONDUIT AND WIRE (CONT.)

FROM	-	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 * CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	REMARKS
SL 206	-	SL 207	150	--	--	800	--
SL 207	-	SL 208	165	--	--	875	--
SL 208	-	SL 209	95	--	--	525	--
SL 209	-	SL 210	175	--	--	925	--
SL 210	-	SL 211	125	--	--	675	--
SL 211	-	SL 212	90	--	--	500	--
SL 212	-	SL 213	145	--	--	775	--
SL 213	-	PB 202	190	--	--	1,015	--
PB 202	-	SL 214	--	25	--	380	--
PB 202	-	PB 201	--	40	--	280	--
PB 201	-	STUB	20	--	28	--	PULL WIRE ONLY
PB 201	-	PB 200	--	35	--	255	--
PB 200	-	SL 225	10	--	--	115	--
SL 225	-	STUB	85	--	90	--	PULL WIRE ONLY
PB 202	-	SL 215	100	--	--	565	--
SL 215	-	SL 216	150	--	--	800	--
SL 216	-	PB 203	160	--	--	865	--
PB 203	-	SL 217	--	10	--	230	--
PB 203	-	MB 200	20	--	--	140	--
MB 200	-	PB 204	10	--	--	90	--
PB 204	-	SL 218	70	--	--	415	--
SL 218	-	SL 219	140	--	--	750	--
SL 219	-	SL 220	160	--	--	850	--
SL 220	-	SL 221	100	--	--	550	--
SL 221	-	SL 222	130	--	--	700	--
SL 222	-	SL 223	160	--	--	850	--
SL 223	-	SL 224	110	--	--	600	--
SL 224	-	PB 205	10	--	--	115	--
SL 300	-	PB 300	--	15	--	280	--
PB 300	-	MB 300	15	--	--	115	--
PB 300	-	SL 302	65	--	--	390	--
SL 302	-	SL 304	75	--	--	425	--
SL 304	-	SL 306	105	--	--	575	--
SL 306	-	SL 308	80	--	--	450	--
SL 308	-	SL 310	70	--	--	400	--
SL 310	-	SL 312	70	--	--	400	--
SL 312	-	SL 314	40	--	--	250	--
SL 314	-	PB 304	50	--	63	--	PULL WIRE ONLY
PB 304	-	PB 305	--	65	81	--	PULL WIRE ONLY
PB 305	-	SL 316	40	--	53	--	PULL WIRE ONLY
SL 316	-	PB 303	45	--	--	290	--
PB 303	-	SL 315	40	--	--	265	--
SL 315	-	SL 313	85	--	--	475	--
SL 313	-	SL 311	100	--	--	550	--
SL 311	-	SL 309	55	--	--	325	--
SL 309	-	SL 307	85	--	--	475	--
SL 307	-	SL 305	65	--	--	375	--
SL 305	-	PB 301	65	--	--	390	--
PB 301	-	PB 302	--	55	--	355	--
PB 302	-	MB 300	15	--	--	165	--
PB 301	-	SL 303	--	10	--	250	--
SL 303	-	SL 301	80	--	--	450	--
CB 100	-	UTILITY	--	300	310	--	CONDUIT FOR UTILITY ELECTRICAL SERVICE
SUBTOTAL			3815	555	625	22290	
6918-01-72 PROJECT TOTAL			8285	1830	1123	54166	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

LIGHTING UNITS

LIGHT NUMBER	STATION	OFFSET	R/L	654.0105 CONCRETE BASES TYPE 5 EACH	SPV.0060.12 REINSTALL SALVAGED DECORATIVE STREET LIGHT ASSEMBLY EACH	SPV.0060.13 RETROFIT LUMINAIRE TYPE A EACH	SPV.0060.14 RETROFIT LUMINAIRE TYPE B EACH	SPV.0060.15 DECORATIVE STREET LIGHT TYPE A1 EACH	SPV.0060.16 DECORATIVE STREET LIGHT TYPE A2 EACH	SPV.0060.17 DECORATIVE STREET LIGHT TYPE B EACH	SPV.0060.18 DECORATIVE STREET LIGHT TYPE C EACH	655.0610 * ELECTRICAL WIRE LIGHTING 12 AWG LF
6918-01-72												
ALL ITEMS ARE CATEGORY 0050												
SL 100	100+37'WI'	26.5'	RT	1	--	--	--	1	--	--	--	141
SL 101	12+40'WE'	21.0'	RT	1	--	--	--	1	--	--	--	141
SL 102	101+60'WI'	27.5'	RT	1	1	--	1	--	--	--	--	93
SL 103	10+84'WR'	26.1'	RT	1	--	--	--	1	--	--	--	141
SL 104	106+30'WI'	27.8'	RT	1	--	--	--	1	--	--	--	141
SL 105	108+57'WI'	27.8'	RT	1	--	--	--	1	--	--	--	141
SL 106	110+26'WI'	27.8'	RT	1	--	--	--	1	--	--	--	141
SL 107	112+42'WI'	27.7'	RT	1	--	--	--	1	--	--	--	141
SL 108	114+42'WI'	27.8'	RT	1	--	--	--	1	--	--	--	141
SL 109	116+35'WI'	27.8'	RT	1	--	--	--	1	--	--	--	141
SL 110	101+38'WI'	29.8'	LT	1	--	--	--	--	--	--	1	234
SL 111	538+64'DE'	66.5'	LT	1	--	--	--	--	--	--	1	234
SL 112	539+32'DE'	36.3'	LT	1	1	--	1	--	--	--	--	93
SL 113	540+02'DE'	23.3'	LT	1	--	--	--	--	--	--	1	234
SL 114	540+80'DE'	25.1'	LT	1	1	--	1	--	--	--	--	93
SL 115	541+59'DE'	25.2'	LT	1	1	--	1	--	--	--	--	93
SL 116	542+48'DE'	24.9'	LT	--	--	--	1	--	--	--	--	--
SL 117	541+58'DE'	25.1'	RT	1	1	--	1	--	--	--	--	93
SL 118	540+81'DE'	25.5'	RT	1	1	--	1	--	--	--	--	93
SL 119	540+05'DE'	26.4'	RT	1	1	--	1	--	--	--	--	93
SL 120	539+46'DE'	41.4'	RT	1	--	--	--	--	--	--	1	234
SL 121	538+99'DE'	33.9'	RT	1	--	--	--	--	--	--	1	234
SL 122	104+66'WI'	35.3'	LT	1	--	--	--	--	--	--	1	234
SL 123	105+67'WI'	30.3'	LT	1	--	--	--	1	--	--	--	141
SL 124	10+51'EM'	26.4'	LT	1	--	--	--	1	--	--	--	141
SL 125	107+33'WI'	27.9'	LT	1	--	--	--	1	--	--	--	141
SL 126	10+36'DS'	25.7'	LT	1	--	--	--	1	--	--	--	141
SL 127	109+49'WI	27.8'	LT	1	--	--	--	1	--	--	--	141
SL 128	111+53'WI	27.8'	LT	1	--	--	--	1	--	--	--	141
SL 129	10+46'PS'	24.7'	LT	1	--	--	--	1	--	--	--	141
SL 130	113+44'WI'	27.8'	LT	1	--	--	--	1	--	--	--	141
SL 131	115+55'WI'	27.8'	LT	1	--	--	--	1	--	--	--	141
SL 132	116+57'WI'	44.4'	LT	1	--	--	--	1	--	--	--	141
SL 133	538+72'DE'	78.0'	RT	1	1	--	1	--	--	--	--	93
SL 134	104+16'WI'	57.2'	LT	1	1	--	1	--	--	--	--	93
SL 200	117+25'WI'	27.5'	LT	1	--	--	--	1	--	--	--	141
SL 201	118+57'WI'	27.8'	LT	1	--	--	--	1	--	--	--	141
SL 202	120+25'WI'	28.3'	LT	1	--	--	--	1	--	--	--	141
SL 203	121+15'WI'	27.5'	LT	1	--	--	--	1	--	--	--	141
SL 204	122+89'WI'	27.8'	LT	1	--	--	--	1	--	--	--	141
SL 205	124+17'WI'	28.4'	LT	1	--	--	--	1	--	--	--	141
SL 206	125+00'WI'	28.5'	LT	1	--	--	--	1	--	--	--	141
SL 207	126+46'WI'	27.8'	LT	1	--	--	--	1	--	--	--	141
SL 208	128+08'WI'	27.8'	LT	1	--	--	--	1	--	--	--	141
SL 209	129+00'WI'	27.8'	LT	1	--	--	--	1	--	--	--	141
SL 210	130+75'WI'	27.8'	LT	1	--	--	--	1	--	--	--	141
SL 211	131+98'WI'	27.8'	LT	1	--	--	--	1	--	--	--	141
SL 212	132+86'WI'	28.7'	LT	1	--	--	--	1	--	--	--	141
SL 213	134+28'WI'	27.8'	LT	1	--	--	--	1	--	--	--	141
SL 214	135+96'WI'	28.9'	LT	1	--	--	--	1	--	--	--	141
SL 215	137+17'WI'	34.0'	LT	1	--	--	--	1	--	--	--	141
SL 216	138+66'WI'	27.8'	LT	1	--	--	--	1	--	--	--	141
SL 217	140+15'WI'	27.8'	LT	1	--	--	--	1	--	--	--	141
	SUBTOTAL			52	9	0	10	37	0	0	6	7458

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LIGHTING UNITS (CONT.)

LIGHT NUMBER	STATION	OFFSET	R/L	654.0105 CONCRETE BASES TYPE 5 EACH	SPV.0060.12 REINSTALL SALVAGED DECORATIVE STREET LIGHT ASSEMBLY EACH	SPV.0060.13 RETROFIT LUMINAIRE TYPE A EACH	SPV.0060.14 RETROFIT LUMINAIRE TYPE B EACH	SPV.0060.15 DECORATIVE STREET LIGHT TYPE A1 EACH	SPV.0060.16 DECORATIVE STREET LIGHT TYPE A2 EACH	SPV.0060.17 DECORATIVE STREET LIGHT TYPE B EACH	SPV.0060.18 DECORATIVE STREET LIGHT TYPE C EACH	655.0610 * ELECTRICAL WIRE LIGHTING 12 AWG LF
SL 218	141+09'WI'	27.8'	LT	1	--	--	--	1	--	--	--	141
SL 219	142+46'WI'	27.8'	LT	1	--	--	--	1	--	--	--	141
SL 220	144+06'WI'	27.8'	LT	1	--	--	--	1	--	--	--	141
SL 221	145+03'WI'	27.8'	LT	1	--	--	--	1	--	--	--	141
SL 222	146+33'WI'	27.8'	LT	1	--	--	--	1	--	--	--	141
SL 223	147+90'WI'	29.7'	LT	1	--	--	--	1	--	--	--	141
SL 224	148+95'WI'	44.4'	LT	1	--	--	--	1	--	--	--	141
SL 225	136+13'WI'	43.0'	RT	1	--	--	--	1	--	--	--	141
SL 300	544+28'DE'	25.5'	LT	1	1	--	1	--	--	--	--	93
SL 301	543+51'DE'	25.6'	RT	1	1	--	1	--	--	--	--	93
SL 302	544+98'DE'	25.5'	LT	1	1	--	1	--	--	--	--	93
SL 303	544+28'DE'	25.6'	RT	1	--	--	--	--	--	1	--	93
SL 304	545+68'DE'	25.2'	LT	1	--	--	--	--	--	1	--	93
SL 305	544+96'DE'	25.5'	RT	1	--	--	--	--	--	1	--	93
SL 306	546+73'DE'	25.2'	LT	1	--	--	--	1	--	--	--	141
SL 307	545+61'DE'	25.2'	RT	1	--	--	--	1	--	--	--	141
SL 308	547+53'DE'	24.5'	LT	1	--	--	--	--	--	1	--	93
SL 309	546+43'DE'	25.5'	RT	1	--	--	--	--	--	1	--	93
SL 310	548+21'DE'	24.5'	LT	1	--	--	--	--	--	1	--	93
SL 311	546+98'DE'	25.5'	RT	1	--	--	--	--	--	1	--	93
SL 312	548+91'DE'	25.0'	LT	1	--	--	--	--	--	1	--	93
SL 313	547+97'DE'	24.8'	RT	1	--	--	--	--	1	--	--	282
SL 314	12+29'WP'	24.5'	RT	1	--	--	--	1	--	--	--	141
SL 315	548+79'DE'	25.5'	RT	1	--	--	--	1	--	--	--	141
SL 316	20+44'EP'	22.5'	LT	1	--	--	--	1	--	--	--	141
TSL 100	542+57'DE'	23.9'	RT	--	--	1	--	--	--	--	--	--
TSL 101	509+87'CS'	21.5'	LT	--	--	1	--	--	--	--	--	--
TSL 102	508+99'CS'	19.7'	RT	--	--	1	--	--	--	--	--	--
TSL 103	543+38'DE'	26.7'	LT	--	--	1	--	--	--	--	--	--
SUBTOTAL				25	3	4	3	13	1	8	0	3138
6918-01-72 PROJECT TOTAL				77	12	4	13	50	1	8	6	10596

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL REMOVALS

LOCATION / ITEM NUMBER	204.0195* REMOVING CONCRETE BASES EACH	653.0905* REMOVING PULL BOXES EACH
CATEGORY 0010		
WISCONSIN STREET & DEWITT STREET		
CB100	1	--
SB1	1	--
SB2	1	--
SB3	1	--
SB4	1	--
SB5	1	--
SB6	1	--
SB7	1	--
PB1	--	1
PB2	--	1
PB3	--	1
PB4	--	1
PB5	--	1
PB6	--	1
PB7	--	1
PB8	--	1
PB9	--	1
PB10	--	1
INTERSECTION TOTAL	**8**	**10**
CATEGORY 0010 TOTAL	**8**	**10**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

LOCATION / PULL BOX NUMBER	STATION	OFFSET	L/R	653.0164* PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH
CATEGORY 0010				
WISCONSIN STREET & DEWITT STREET				
PB1	102+28'WI'	62.3'	LT	1
PB2	102+91'WI'	70.5'	LT	1
PB3	103+48'WI'	73.2'	LT	1
PB4	103+74'WI'	58.0'	LT	1
PB5	103+55'WI'	33.0'	LT	1
PB6	103+74'WI'	6.0'	LT	1
PB7	103+74'WI'	27.5'	RT	1
PB8	102+40'WI'	27.5'	RT	1
PB9	102+40'WI'	5.4'	LT	1
PB10	102+26'WI'	58.1'	LT	1
PB11	102+61'WI'	51.5'	LT	1
INTERSECTION TOTAL				**11**
CATEGORY 0010 TOTAL				**11**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

TRAFFIC SIGNAL CONDUIT

LOCATION	FROM	-	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
CATEGORY 0010					
WISCONSIN STREET & DEWITT STREET					
	CB1	-	PB1	--	45
	PB1	-	PB2	--	130
	PB2	-	SB1	15	--
	PB2	-	SB2	10	--
	PB2	-	PB3	--	120
	PB3	-	PB4	--	70
	PB4	-	SB3	20	--
	PB4	-	PB5	--	35
	PB5	-	SB4	15	--
	PB5	-	SB5	20	--
	PB4	-	PB6	--	110
	PB6	-	SB6	15	--
	PB6	-	PB7	--	70
	PB7	-	SB7	15	--
	PB7	-	SB8	45	--
	PB7	-	PB8	--	270
	PB8	-	SB9	60	--
	PB8	-	SB10	15	--
	PB8	-	PB9	--	70
	PB9	-	SB11	15	--
	PB9	-	PB10	--	110
	PB10	-	PB11	--	40
	PB11	-	SB12	20	--
	PB11	-	SB13	10	--
	PB10	-	CB1	--	45
INTERSECTION TOTAL				**275**	**1115**
CATEGORY 0010 TOTAL				**275**	**1,115**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

TRAFFIC SIGNAL STRUCTURES

LOCATION / BASE NUMBER	STATION	OFFSET	L/R	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	657.0100 PEDESTAL BASES EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0305 POLES TYPE 2 EACH	657.0310 POLES TYPE 3 EACH	657.0315 POLES TYPE 4 EACH	657.0405 TRAFFIC SIGNAL STANDARDS ALUMINUM 3.5-FT EACH	657.0430 TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0585 TROMBONE ARMS 15-FT EACH	657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	657.0610 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT EACH	659.1120 LUMINAIRES UTILITY LED B EACH
CATEGORY 0010																		
WISCONSIN STREET & DEWITT STREET																		
SB1	102+87'WI'	84.1'	LT	1	--	1	--	--	--	--	--	--	--	1	--	--	--	--
SB2	102+92'WI'	63.9'	LT	1	--	1	--	--	--	--	--	--	--	1	--	--	--	--
SB3	103+63'WI'	68.0'	LT	--	1	--	1	--	--	1	--	--	--	--	--	--	1	1
SB4	103+43'WI'	37.3'	LT	1	--	1	--	--	--	--	--	1	--	--	--	--	--	--
SB5	103+38'WI'	32.8'	LT	1	--	1	--	--	--	--	--	--	1	--	--	--	--	--
SB6	103+64'WI'	6.0'	LT	1	--	1	--	--	--	--	--	--	1	--	--	--	--	--
SB7	103+62'WI'	27.8'	RT	--	1	--	1	--	1	--	--	--	--	--	1	1	--	1
SB8	103+32'WI'	27.8'	RT	1	--	1	--	--	--	--	--	--	1	--	--	--	--	--
SB9	102+95'WI'	27.8'	RT	1	--	1	--	--	--	--	--	--	1	--	--	--	--	--
SB10	102+50'WI'	28.0'	RT	--	1	--	1	--	--	1	--	--	--	--	--	--	1	1
SB11	102+53'WI'	5.9'	LT	1	--	1	--	--	--	--	--	--	1	--	--	--	--	--
SB12	102+54'WI'	32.8'	LT	--	1	--	1	1	--	--	--	--	--	--	1	--	--	--
SB13	102+67'WI'	45.0'	LT	--	1	--	1	--	--	1	--	--	--	--	--	--	1	1
INTERSECTION TOTAL				**8**	**5**	**8**	**5**	**1**	**1**	**3**	**0**	**1**	**5**	**2**	**2**	**1**	**3**	**4**
CATEGORY 0010 TOTAL				**8**	**5**	**8**	**5**	**1**	**1**	**3**	**0**	**1**	**5**	**2**	**2**	**1**	**3**	**4**

TRAFFIC SIGNAL CABLE AND WIRE - ABOVE GROUND

LOCATION	FROM SIGNAL BASE	-	TO SIGNAL HEAD	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0700 LOOP DETECTOR LEAD IN CABLE LF
CATEGORY 0010						
WISCONSIN STREET & DEWITT STREET						
	SB1	-	9	22	--	--
	SB2	-	8	22	--	--
	SB3	-	7	22	--	--
	SB3	-	7A	15	--	--
	SB3	-	BUTTON	--	--	6
	SB3	-	LUMINAIRE	--	117	--
	SB4	-	7B	15	--	--
	SB4	-	BUTTON	--	--	6
	SB5	-	2A	15	--	--
	SB5	-	4	19	--	--
	SB5	-	BUTTON	--	--	6
	SB6	-	2	19	--	--
	SB7	-	3	40	--	--
	SB7	-	LUMINAIRE	--	117	--
	SB8	-	11	19	--	--
	SB9	-	12	19	--	--
	SB10	-	1	19	--	--
	SB10	-	4B	15	--	--
	SB10	-	BUTTON	--	--	6
	SB10	-	LUMINAIRE	--	117	--
	SB11	-	5	19	--	--
	SB11	-	BUTTON	--	--	6
	SB12	-	6	40	--	--
	SB12	-	4A	15	--	--
	SB12	-	BUTTON	--	--	6
	SB13	-	10	19	--	--
	SB13	-	2B	15	--	--
	SB13	-	BUTTON	--	--	6
	SB13	-	LUMINAIRE	--	117	--
INTERSECTION TOTAL				**369**	**468**	**42**
CATEGORY 0010 TOTAL				**369**	**468**	**42**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

TRAFFIC SIGNAL SYSTEM INTEGRATOR

SPV.0105.04

LOCATION	TRAFFIC SIGNAL SYSTEMS INTEGRATOR LS
CATEGORY 0010	
WISCONSIN STREET & DEWITT STREET	1
CATEGORY 0010 TOTAL	**1**

TRAFFIC SIGNAL CABLE AND WIRE - BELOW GROUND

LOCATION	FROM	-	TO	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0250 CABLE TRAFFIC SIGNAL 9-14 AWG LF	655.0305 CABLE TYPE UF 2-12 AWG GROUNDED LF	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF
CATEGORY 0010							
WISCONSIN STREET & DEWITT STREET							
	CB1	-	SB1	--	133	--	133
	CB1	-	SB2	--	128	--	--
	CB1	-	SB3	--	258	258	--
	CB1	-	SB4	--	298	--	--
	CB1	-	SB5	--	303	--	--
	CB1	-	SB6	318	--	--	--
	CB1	-	SB7	323	--	--	--
	CB1	-	SB8	353	--	--	--
	CB1	-	SB9	155	--	--	--
	CB1	-	SB10	--	168	--	--
	CB1	-	SB11	--	123	--	--
	CB1	-	SB12	--	113	--	--
	CB1	-	SB13	--	103	103	--
	SB1	-	SB2	--	--	--	45
	SB2	-	SB3	--	--	--	170
	SB3	-	SB4	--	--	--	100
	SB3	-	SB7	--	--	170	170
	SB4	-	SB5	--	--	--	55
	SB5	-	SB6	--	--	--	165
	SB6	-	SB7	--	--	--	100
	SB7	-	SB8	--	--	--	85
	SB8	-	SB9	--	--	--	275
	SB9	-	SB10	--	--	--	90
	SB10	-	SB11	--	--	--	100
	SB10	-	SB13	--	--	215	--
	SB11	-	SB12	--	--	.	180
	SB12	-	SB13	--	--	--	55
INTERSECTION TOTAL				**1149**	**1627**	**746**	**1723**
CATEGORY 0010 TOTAL				**1,149**	**1,627**	**746**	**1,723**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

PEDESTRIAN PUSH BUTTONS

LOCATION / BASE NUMBER	658.0500 PEDESTRIAN PUSH BUTTON EACH
CATEGORY 0010	
WISCONSIN STREET & DEWITT STREET	
SB3	1
SB4	1
SB5	1
SB10	1
SB11	1
SB12	1
SB13	1
INTERSECTION TOTAL	**7**

TRAFFIC SIGNAL CONTROL

LOCATION	654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH	656.0200.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL (WI ST & DEWITT ST) LS
CATEGORY 0010		
WISCONSIN STREET & DEWITT STREET	1	1
CATEGORY 0010 TOTAL	**1**	**1**

VIDEO DETECTION

LOCATION	SPV.0105.06 FURNISH AND INSTALL VIDEO VEHICLE DETECTION SYSTEM (WI ST & DEWITT ST) LS	SPV.0105.07 FURNISH & INSTALL TRAFFIC SIGNAL CABINET & CONTROLLER (WI ST & DEWITT ST) LS
CATEGORY 0010		
WISCONSIN STREET & DEWITT STREET	1	1
CATEGORY 0010 TOTAL	**1**	**1**

TRAFFIC SIGNAL MODIFICATIONS

LOCATION	SPV.0105.08 TRAFFIC SIGNAL MODIFICATIONS FOR INTERSECTIONS (DEWITT ST & STH 33/COOK ST) LS
CATEGORY 0010	
INTERSECTION	1
CATEGORY 0010 TOTAL	**1**

SALVAGE AND REINSTALL EXISTING EQUIPMENT

LOCATION	SPV.0105.05 SALVAGE AND REINSTALL COMMUNICATION EQUIPMENT (WI ST & DEWITT ST) LS
CATEGORY 0010	
WISCONSIN STREET & DEWITT STREET	1
CATEGORY 0010 TOTAL	**1**

CONSTRUCTION STAKING

LOCATION	650.8500.01 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (WISCONSIN STREET & DEWITT STREET) LS
CATEGORY 0010	
WISCONSIN STREET & DEWITT STREET	1
CATEGORY 0010 TOTAL	**1**

TRAFFIC SIGNAL HEADS

LOCATION	SIGNAL BASE NO.	HEAD NO.	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH	FOR INFO ONLY RED BALL	YELLOW BALL	GREEN BALL	RED ARROW	YELLOW ARROW	GREEN ARROW
CATEGORY 0010											
WISCONSIN STREET & DEWITT STREET											
	SB1	9	--	1	--	1	--	--	--	2	1
	SB2	8	--	1	--	1	--	--	--	2	1
	SB3	7	--	1	--	1	--	--	--	2	1
		7A	--	--	1	--	--	--	--	--	--
	SB4	7B	--	--	1	--	--	--	--	--	--
	SB5	2A	--	--	1	--	--	--	--	--	--
		4	1	--	--	1	1	1	--	--	--
	SB6	2	1	--	--	1	1	1	--	--	--
	SB7	3	1	--	--	1	1	1	--	--	--
	SB8	11	1	--	--	1	--	--	--	1	1
	SB9	12	1	--	--	1	--	--	--	1	1
	SB10	1	1	--	--	1	1	1	--	--	--
		4B	--	--	1	--	--	--	--	--	--
	SB11	5	1	--	--	1	1	1	--	--	--
	SB12	6	1	--	--	1	1	1	--	--	--
		4A	--	--	1	--	--	--	--	--	--
	SB13	10	1	--	--	1	1	1	--	--	--
		2B	--	--	1	--	--	--	--	--	--
INTERSECTION TOTAL			**9**	**3**	**6**	**12**	**7**	**7**	**0**	**8**	**5**
CATEGORY 0010 TOTAL			**9**	**3**	**6**	**12**	**7**	**7**	**0**	**8**	**5**

TRAFFIC SIGNAL MOUNTING HARDWARE

LOCATION	658.5069.01 SIGNAL MOUNTING HARDWARE (WISCONSIN STREET & DEWITT STREET) LS
CATEGORY 0010	
WISCONSIN STREET & DEWITT STREET	1
CATEGORY 0010 TOTAL	**1**

REMOVE TRAFFIC SIGNALS

LOCATION	SPV.0105.03 REMOVE TRAFFIC SIGNALS (WISCONSIN STREET & DEWITT STREET) LS
CATEGORY 0010	
WISCONSIN STREET & DEWITT STREET	1
CATEGORY 0010 TOTAL	**1**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
6918-01-22
CITY OF PORTAGE, WISCONSIN & DEWITT STREETS
(ONTARIO STREET - EAST PLEASANT STREET)
USH 51
COLUMBIA 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 (3/4-INCH UNLESS NOTED) IP
FOUND CHISLED X CX

	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	RESTICTIVE 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		

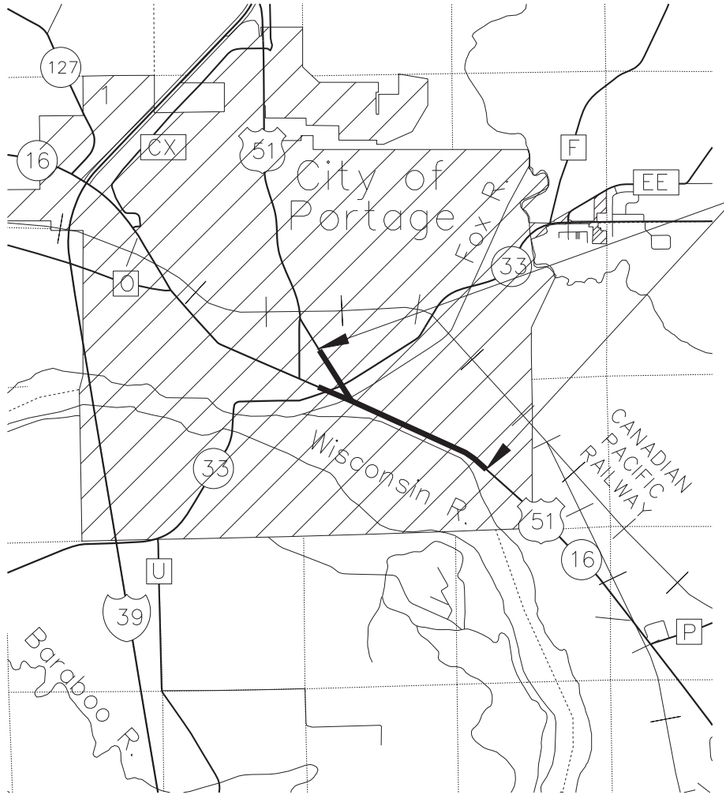
CURVE DATA

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

T-12-N



R-9-E

GN

PROJECT LOCATION

LAYOUT
SCALE 0 0.5 MI.

THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 6918-01-22

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), COLUMBIA 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.

RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBAR), 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 LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE CITY OF PORTAGE.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

EXISTING ACCESS CONTROL ALONG USH 51 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT CA 05-2(1).

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 51 / DEWITT STREET ESTABLISHED FROM PREVIOUS PROJECTS AND SURVEYS: R/W PLAT 6996-05-06, JJ GUPPEY'S SUBDIVISION OF THE CITY OF PORTAGE, CSM 1569, CSM 2460, CSM 4645, PLATS OF SURVEYS 9980, 13164, 12268, 5466, 7022.

EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 51 / DEWITT STREET ESTABLISHED FROM PREVIOUS PROJECTS AND SURVEYS: R/W PLAT 6996-05-06, JJ GUPPEY'S SUBDIVISION OF THE CITY OF PORTAGE, CSM 1569, CSM 2460, CSM 4645, PLATS OF SURVEYS 9980, 13164, 12268, 5466, 7022.

EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 51 / STH 16 / WISCONSIN STREET ESTABLISHED FROM PREVIOUS PROJECTS AND SURVEYS: R/W PLAT 6996-05-06, JJ GUPPEY'S SUBDIVISION OF THE CITY OF PORTAGE, WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, MC FARLANE, DUNN AND ARMSTRONG'S ADDITION TO THE CITY OF PORTAGE, CSM 1113, CSM 5166, CSM 1329, CSM 1042, CSM 4645, CSM 5165, CSM 5209, CSM 1034, PLATS OF SURVEYS 13164, 13857, 10369, 5471, 7612, 5470, 1571, 13120, 9135, 8955, 4349, 10213, 5362, 14524, 5230, 5361, 9859, 9088, 5347, 6959.

EXISTING HIGHWAY RIGHT-OF-WAY FOR PLEASANT STREET ESTABLISHED FROM PREVIOUS SURVEYS: JJ GUPPEY'S SUBDIVISION OF THE CITY OF PORTAGE, PLATS OF SURVEYS 5459, 9980, 14531.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CONANT STREET ESTABLISHED FROM PREVIOUS SURVEYS: JJ GUPPEY'S SUBDIVISION OF THE CITY OF PORTAGE, CSM 2640, CSM 4645, PLATS OF SURVEYS 9980, 13164, 11537, 5579.

EXISTING HIGHWAY RIGHT-OF-WAY FOR COOK STREET / STH 33 ESTABLISHED FROM PREVIOUS SURVEYS: JJ GUPPEY'S SUBDIVISION OF THE CITY OF PORTAGE, CSM 2460, CSM 4095, PLATS OF SURVEYS 13164, 12754, 12268.

EXISTING HIGHWAY RIGHT-OF-WAY FOR EDGEWATER STREET ESTABLISHED FROM PREVIOUS SURVEYS: MC FARLANE, DUNN AND ARMSTRONG'S ADDITION TO THE CITY OF PORTAGE, CSM 1569, PLATS OF SURVEYS 13164, 5466, 13857, 7022.

EXISTING HIGHWAY RIGHT-OF-WAY FOR DODGE STREET ESTABLISHED FROM PREVIOUS SURVEYS: JJ GUPPEY'S SUBDIVISION OF THE CITY OF PORTAGE, WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, PLATS OF SURVEYS 5373, 5470, 5371.

EXISTING HIGHWAY RIGHT-OF-WAY FOR EAST MULLET STREET ESTABLISHED FROM PREVIOUS SURVEYS: CSM 1113, PLATS OF SURVEYS 7612, 5470, 5471.

EXISTING HIGHWAY RIGHT-OF-WAY FOR WEST MULLET STREET ESTABLISHED FROM PREVIOUS SURVEYS: JJ GUPPEY'S SUBDIVISION OF THE CITY OF PORTAGE, PLATS OF SURVEYS 2012, 13425.

EXISTING HIGHWAY RIGHT-OF-WAY FOR WARREN STREET ESTABLISHED PREVIOUS SURVEYS: JJ GUPPEY'S SUBDIVISION OF THE CITY OF PORTAGE, DOCUMENT NO. 471209, CSM 568.

EXISTING HIGHWAY RIGHT-OF-WAY FOR PAUQUETTE STREET ESTABLISHED FROM PREVIOUS SURVEYS: WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, PLAT OF SURVEY 1571.

EXISTING HIGHWAY RIGHT-OF-WAY FOR BRADY STREET ESTABLISHED FROM PREVIOUS SURVEYS: WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, PLATS OF SURVEYS 13120, 5367, 9135, 8955.

EXISTING HIGHWAY RIGHT-OF-WAY FOR BROOKE STREET ESTABLISHED FROM PREVIOUS SURVEYS: WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, PLATS OF SURVEYS 9135, 8955.

EXISTING HIGHWAY RIGHT-OF-WAY FOR WASHINGTON STREET ESTABLISHED FROM PREVIOUS SURVEYS: WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, PLAT OF SURVEY 4349.

EXISTING HIGHWAY RIGHT-OF-WAY FOR SUPERIOR STREET ESTABLISHED FROM PREVIOUS SURVEYS: WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, PLATS OF SURVEYS 5798, 10213, 5362, 7043, 14524.

EXISTING HIGHWAY RIGHT-OF-WAY FOR MICHIGAN STREET ESTABLISHED FROM PREVIOUS SURVEYS: WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, PLATS OF SURVEYS 3804, 9859, 5362.

EXISTING HIGHWAY RIGHT-OF-WAY FOR WAUONA TRAIL ESTABLISHED FROM PREVIOUS SURVEYS: WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, PLATS OF SURVEYS 5230, 5361, 5345, 9088, 5347.

EXISTING HIGHWAY RIGHT-OF-WAY FOR HURON STREET ESTABLISHED FROM PREVIOUS SURVEYS: WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, PLATS OF SURVEYS 5345, 9088, 5347.

EXISTING HIGHWAY RIGHT-OF-WAY FOR ERIE STREET ESTABLISHED FROM PREVIOUS SURVEYS: WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, CSM 5166, PLATS OF SURVEYS 5345, 6959.

EXISTING HIGHWAY RIGHT-OF-WAY FOR ONTARIO STREET ESTABLISHED FROM PREVIOUS SURVEYS: WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, CSM 5166, CSM 1329, CSM 1042, CSM 5165.

EXISTING HIGHWAY RIGHT-OF-WAY FOR SOUTHTOWN ROAD ESTABLISHED FROM PREVIOUS SURVEYS: CSM 5209, CSM 1034, DOCUMENT 365152.

PROJECT NUMBER 6918-01-22 - 4.01
SHEET 2 OF 3

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\RW\TITLE SHEET.DWG
APPRAISAL PLAT DATE : NOVEMBER 08, 2018
PLOT DATE : NOVEMBER 08, 2018 PLOT BY : KL ENGINEERING PLOT NAME : _____

4

TRANSPORTATION PROJECT PLAT NO: 6918-01-22 - 4.01

THAT PART OF LOT 1, CERTIFIED SURVEY MAP NUMBER 2460 RECORDED IN VOLUME 16 OF CERTIFIED SURVEYS ON PAGE 30 AS DOCUMENT NUMBER 549554, COLUMBIA COUNTY REGISTER OF DEEDS, LOT 14, BLOCK 240, LOT 16, BLOCK 245, JJ GUPPEY'S PLAT OF THE TOWN OF PORTAGE CITY AND LOT F OF PETTIBONE'S SUBDIVISION OF LOTS 6, 7, 8 AND 9 BLOCK 252, ALL LOCATED IN GOVERNMENT LOT 6 OF SECTION 8; ALSO THAT PART OF LOTS 1, 2, 11, 12 AND VACATED ALLEY, BLOCK 239, LOTS 10 AND 11, BLOCK 200, JJ GUPPEY'S PLAT OF THE TOWN OF PORTAGE CITY, ALL LOCATED IN THE SW 1/4 OF THE SW 1/4 OF SECTION 5; ALSO THAT PART OF LOTS 13 AND 14, BLOCK 240 OF JJ GUPPEY'S PLAT OF THE TOWN OF PORTAGE CITY LOCATED IN GOVERNMENT LOT 3 OF SECTION 5, ALL IN T 12 N, R 9 E, CITY OF PORTAGE, COLUMBIA COUNTY, WISCONSIN.

RELOCATION ORDER USH 51 CITY OF PORTAGE, WISCONSIN & DEWITT STREETS (ONTARIO STREET - EAST PLEASANT STREET)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF PORTAGE DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT. TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF PORTAGE

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 PORTAGE, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

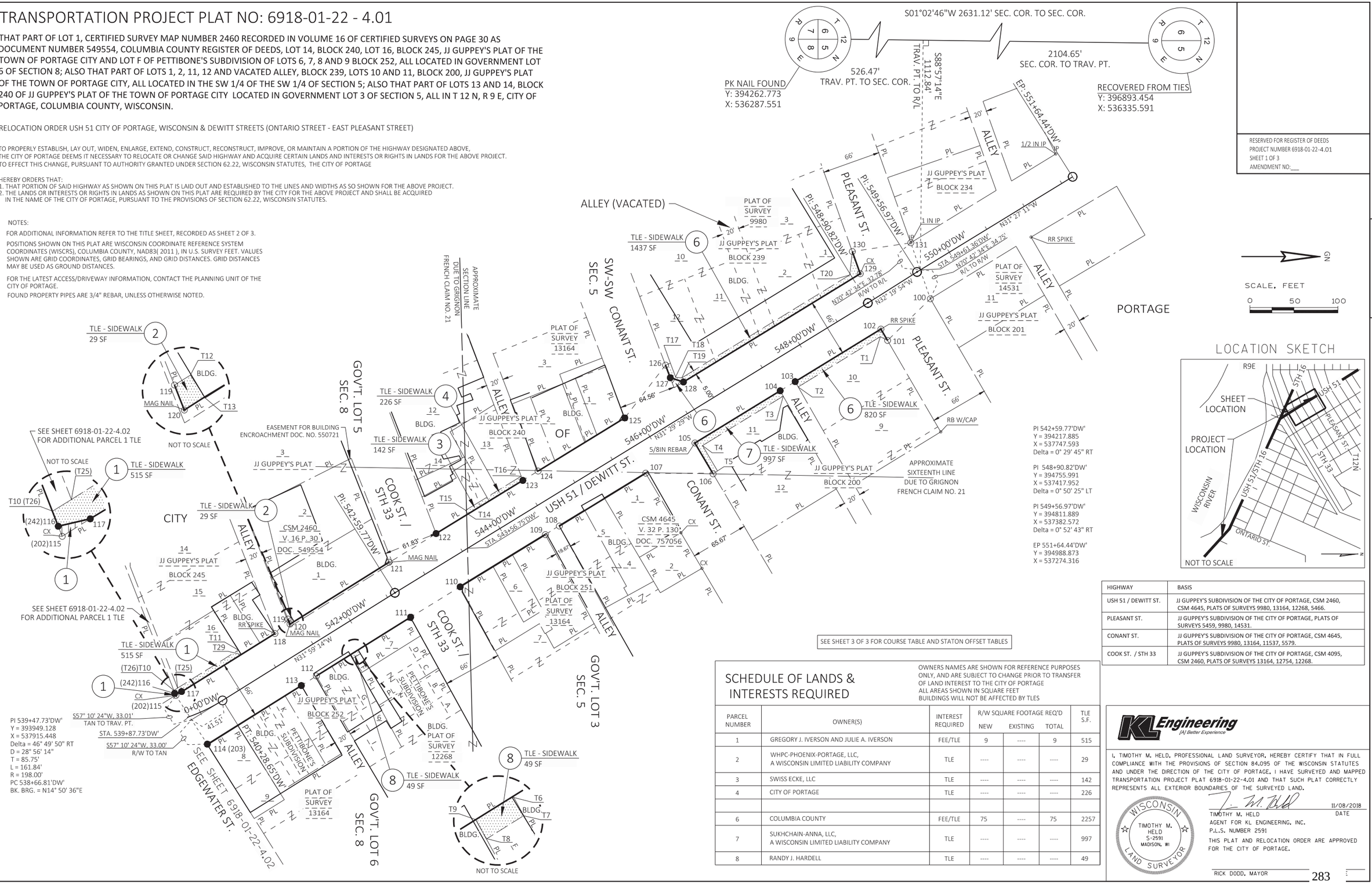
NOTES:

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 3.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), COLUMBIA 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.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE CITY OF PORTAGE.

FOUND PROPERTY PIPES ARE 3/4" REBAR, UNLESS OTHERWISE NOTED.



LOCATION SKETCH

HIGHWAY	BASIS
USH 51 / DEWITT ST.	JJ GUPPEY'S SUBDIVISION OF THE CITY OF PORTAGE, CSM 2460, CSM 4645, PLATS OF SURVEYS 9980, 13164, 12268, 5466.
PLEASANT ST.	JJ GUPPEY'S SUBDIVISION OF THE CITY OF PORTAGE, PLATS OF SURVEYS 5459, 9980, 14531.
CONANT ST.	JJ GUPPEY'S SUBDIVISION OF THE CITY OF PORTAGE, CSM 4645, PLATS OF SURVEYS 9980, 13164, 11537, 5579.
COOK ST. / STH 33	JJ GUPPEY'S SUBDIVISION OF THE CITY OF PORTAGE, CSM 4095, CSM 2460, PLATS OF SURVEYS 13164, 12754, 12268.

SEE SHEET 3 OF 3 FOR COURSE TABLE AND STATON OFFSET TABLES

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTEREST TO THE CITY OF PORTAGE
ALL AREAS SHOWN IN SQUARE FEET
BUILDINGS WILL NOT BE AFFECTED BY TLES

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQUARE FOOTAGE REQ'D NEW	EXISTING	TOTAL	TLE S.F.
1	GREGORY J. IVERSON AND JULIE A. IVERSON	FEE/TLE	9	----	9	515
2	WHPC-PHOENIX-PORTAGE, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	----	----	----	29
3	SWISS ECKE, LLC	TLE	----	----	----	142
4	CITY OF PORTAGE	TLE	----	----	----	226
6	COLUMBIA COUNTY	FEE/TLE	75	----	75	2257
7	SUKHCHAIN-ANNA, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	----	----	----	997
8	RANDY J. HARDELL	TLE	----	----	----	49

KL Engineering (A) Better Experience

I, TIMOTHY M. HELD, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF PORTAGE, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 6918-01-22-4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN TIMOTHY M. HELD S-2591 MADISON, WI LAND SURVEYOR

11/08/2018
TIMOTHY M. HELD — DATE
AGENT FOR KL ENGINEERING, INC.
P.L.S. NUMBER 2591

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF PORTAGE.

RICK DODD, MAYOR

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\RW\040101-RP.DWG
PLOT DATE :
PLOT DATE : 12/17/2018 10:55 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
APPRAISAL PLAT DATE : NOVEMBER 08, 2018

TRANSPORTATION PROJECT PLAT NO: 6918-01-22 - 4.01

RELOCATION ORDER USH 51 CITY OF PORTAGE, WISCONSIN & DEWITT STREETS (ONTARIO STREET - EAST PLEASANT STREET)

4

4

R/W Course Table		
COURSE	BEARING	DISTANCE
100-101	S44° 13' 48"E	68.03'
101-102	S59° 47' 28"W	15.00'
102-103	S31° 29' 29"E	114.36'
103-104	S31° 29' 29"E	20.01'
104-105	S31° 29' 29"E	113.79'
105-106	N59° 23' 39"E	40.50'
106-107	S00° 24' 53"W	76.63'
107-108	S31° 29' 29"E	115.13'
108-109	S31° 29' 29"E	18.69'
109-110	S31° 29' 29"E	113.64'
110-111	S31° 29' 10"E	66.08'
111-112	S31° 59' 14"E	126.38'
112-113	S31° 59' 14"E	20.01'
113-114	S31° 59' 14"E	126.33'
114-115	S57° 10' 24"W	66.01'
115-116	S68° 40' 04"W	2.46'
116-117	N13° 06' 26"W	7.48'
117-118	N31° 59' 14"W	125.24'
118-119	N47° 36' 45"W	22.28'
119-120	N68° 31' 30"E	6.10'
120-121	N31° 59' 14"W	132.78'
121-122	N31° 23' 30"W	62.76'
122-123	N31° 29' 29"W	115.71'
123-124	N31° 29' 29"W	20.36'
124-125	N31° 29' 29"W	115.71'
125-126	N52° 20' 34"W	75.85'
126-127	N69° 23' 29"E	15.27'
127-128	N17° 59' 49"E	15.79'
128-129	N31° 29' 29"W	235.79'
129-130	S70° 22' 26"W	26.81'
130-131	N08° 31' 59"W	67.26'
131-100	N70° 42' 34"E	67.53'

R/W Station & Offset Table		
Point No.	Station	Offset
100	549+53.52'DW'	33.92'
101	548+87.66'DW'	48.00'
102	548+88.00'DW'	33.00'
103	547+73.63'DW'	33.00'
104	547+53.62'DW'	33.00'
105	546+39.83'DW'	33.00'
106	546+39.21'DW'	73.50'
107	545+74.16'DW'	33.00'
108	544+59.03'DW'	33.00'
109	544+40.34'DW'	33.00'
110	543+26.70'DW'	33.00'
111	542+60.62'DW'	32.99'
112	541+33.96'DW'	33.00'
113	541+13.95'DW'	33.00'
114	539+93.84'DW'	36.62'
115	539+79.30'DW'	27.74'
116	539+79.12'DW'	30.20'
117	539+87.88'DW'	29.44'
118	541+19.43'DW'	33.00'
119	541+40.88'DW'	39.00'
120	541+39.77'DW'	33.00'
121	542+72.26'DW'	33.11'
122	543+35.01'DW'	33.00'
123	544+50.73'DW'	33.00'
124	544+71.08'DW'	33.00'
125	545+86.80'DW'	33.00'
126	546+57.69'DW'	60.00'
127	546+54.80'DW'	45.00'
128	546+65.06'DW'	33.00'
129	549+01.33'DW'	32.85'
130	549+07.22'DW'	59.00'
131	549+68.27'DW'	32.04'

TLE Station & Offset Table		
Point No.	Station	Offset
T1	548+83.00'DW'	40.00'
T2	547+73.42'DW'	40.00'
T3	547+53.41'DW'	40.00'
T4	546+45.73'DW'	40.00'
T5	546+45.21'DW'	73.50'
T6	541+89.91'DW'	33.00'
T7	541+89.88'DW'	38.00'
T8	541+79.93'DW'	38.00'
T9	541+80.21'DW'	33.00'
T10	539+78.83'DW'	33.83'
T11	540+74.61'DW'	39.00'
T29	540+74.61'DW'	33.00'
T12	541+45.18'DW'	39.00'
T13	541+45.24'DW'	33.00'
T14	543+77.50'DW'	33.00'
T15	543+77.50'DW'	38.00'
T16	544+51.67'DW'	38.00'
T17	546+63.60'DW'	59.00'
T18	546+60.34'DW'	42.00'
T19	546+66.00'DW'	38.00'
T20	548+90.00'DW'	38.00'

PROJECT NUMBER 6918-01-22-4.01
SHEET 3 OF 3

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\RW\040101-RP.DWG
APPRAISAL PLAT DATE : NOVEMBER 08, 2018

PLOT DATE :

PLOT DATE : 11/8/2018 8:30 AM

PLOT BY : KL ENGINEERING

PLOT NAME :

PLOT SCALE : ############

6918-01-22 4.01

NOTES:

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN COLUMBIA COUNTY AS SHEET 2 OF 3 OF DOCUMENT #910751 AND FILED IN VOLUME 1, PAGE 309A.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), COLUMBIA 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.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE CITY OF PORTAGE.

FOUND PROPERTY PIPES ARE 3/4" REBAR, UNLESS OTHERWISE NOTED.

A HIGHWAY EASEMENT (HE) IS AN EASEMENT FOR HIGHWAY PURPOSES, AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIREABLE.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTEREST TO THE CITY OF PORTAGE
ALL AREAS SHOWN IN SQUARE FEET
BUILDINGS WILL NOT BE AFFECTED BY TLES

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQUARE FOOTAGE REQ'D			H.E. S.F.	T.L.E. S.F.
			NEW	EXISTING	TOTAL		
1	GREGORY J. IVERSON AND JULIE A. IVERSON	FEE/TLE	7055	----	7055	----	1259
4	CITY OF PORTAGE	TLE	----	----	----	----	604
6	COLUMBIA COUNTY	FEE/TLE	239	----	239	----	3351
9	WISCONSIN DEPARTMENT OF NATURAL RESOURCES	HE	----	----	----	26149	----
10	JOSEPH ALBERT HALASZ ESTATE CREDIT SHELTER TRUST AND PATRICIA S. HALASZ	TLE	----	----	----	----	286
11	CHRISTOPHER D. SHADEL	FEE/TLE	178	----	178	----	762
12	ASSOCIATED BANK PORTAGE NA	FEE/TLE	1206	----	1206	----	2026
13	CARDINAL CONTRACTORS, INC., A WISCONSIN BUSINESS CORPORATION	FEE/TLE	149	----	149	----	581
14	FIRSTAR BANK MADISON, N.A.	FEE/TLE	3074	----	3074	----	3278
15	CITY BANK AND TRUST COMPANY, A WISCONSIN BANKING CORPORATION	FEE	500	----	500	----	----
16	DARLENE M. CRAIG	TLE	----	----	----	----	332

TRANSPORTATION PROJECT PLAT NO: 6918-01-22 - 4.02, AMENDMENT NO. 3 AMENDS PARCEL 9 OF TRANSPORTATION PROJECT PLAT 6918-01-22-4.02, AMENDMENT 2, RECORDED AS DOCUMENT 919874 IN THE OFFICE OF THE REGISTER OF DEEDS IN COLUMBIA COUNTY, WISCONSIN.

THAT PART OF LOT 1, CERTIFIED SURVEY MAP NUMBER 841, RECORDED IN VOLUME 4 OF CERTIFIED SURVEYS ON PAGE 61 AS DOCUMENT NUMBER 436259 COLUMBIA COUNTY REGISTER OF DEEDS , LOTS 1 AND 2, CERTIFIED SURVEY MAP NUMBER 6079 RECORDED IN VOLUME 44 OF CERTIFIED SURVEYS ON PAGE 18 AS DOCUMENT NUMBER 909388 COLUMBIA COUNTY REGISTER OF DEEDS, LOT 1, CERTIFIED SURVEY MAP NUMBER 256 RECORDED IN VOLUME 2 OF CERTIFIED SURVEYS ON PAGE 31 AS DOCUMENT NUMBER 378930 COLUMBIA COUNTY REGISTER OF DEEDS, LOT 1, CERTIFIED SURVEY MAP NUMBER 568 RECORDED IN VOLUME 3 OF CERTIFIED SURVEYS ON PAGE 43 AS DOCUMENT NUMBER 410533 COLUMBIA COUNTY REGISTER OF DEEDS, LOT 1, CERTIFIED SURVEY MAP NUMBER 2371 RECORDED IN VOLUME 15 OF CERTIFIED SURVEYS ON PAGE 67 AS DOCUMENT NUMBER 543845 COLUMBIA COUNTY REGISTER OF DEEDS, LOTS 13, 14, 15 AND 16, BLOCK 245, LOTS 1 AND 2, BLOCK 246, LOT 1, BLOCK 250, LOT 5, BLOCK 254, LOT 1 AND VACATED ALLEY, BLOCK 255 OF JJ GUPPEY'S PLAT OF THE TOWN OF PORTAGE CITY, LOT 12, BLOCK 244 OF MC FARLANE, DUNN AND ARMSTRONG'S ADDITION, VACATED MAIN STREET, VACATED DODGE STREET AND THE PORTAGE CANAL, ALL LOCATED IN GOVERNMENT LOT 6 OF SECTION 8, T 12 N, R 9 E; ALSO THAT PART OF LOT 1, CERTIFIED SURVEY MAP NUMBER 2371 RECORDED IN VOLUME 15 OF CERTIFIED SURVEYS ON PAGE 67 AS DOCUMENT NUMBER 543845 COLUMBIA COUNTY REGISTER OF DEEDS, LOT 12, BLOCK 247 AND LOT 12, BLOCK 244 OF MC FARLANE, DUNN AND ARMSTRONG'S ADDITION, ALL LOCATED IN GOVERNMENT LOT 5 OF SECTION 8, T 12 N, R 9 E; ALSO THAT PART OF LOT 1, CERTIFIED SURVEY MAP NUMBER 256 RECORDED IN VOLUME 2 OF CERTIFIED SURVEYS ON PAGE 31 AS DOCUMENT NUMBER 378930 COLUMBIA COUNTY REGISTER OF DEEDS, ALSO THAT PART OF VACATED DODGE STREET ALL LOCATED IN GRIGNON FRENCH CLAIM NO. 21, CITY OF PORTAGE, COLUMBIA COUNTY, WISCONSIN.

RELOCATION ORDER USH 51 CITY OF PORTAGE, WISCONSIN & DEWITT STREETS (ONTARIO STREET - EAST PLEASANT STREET)

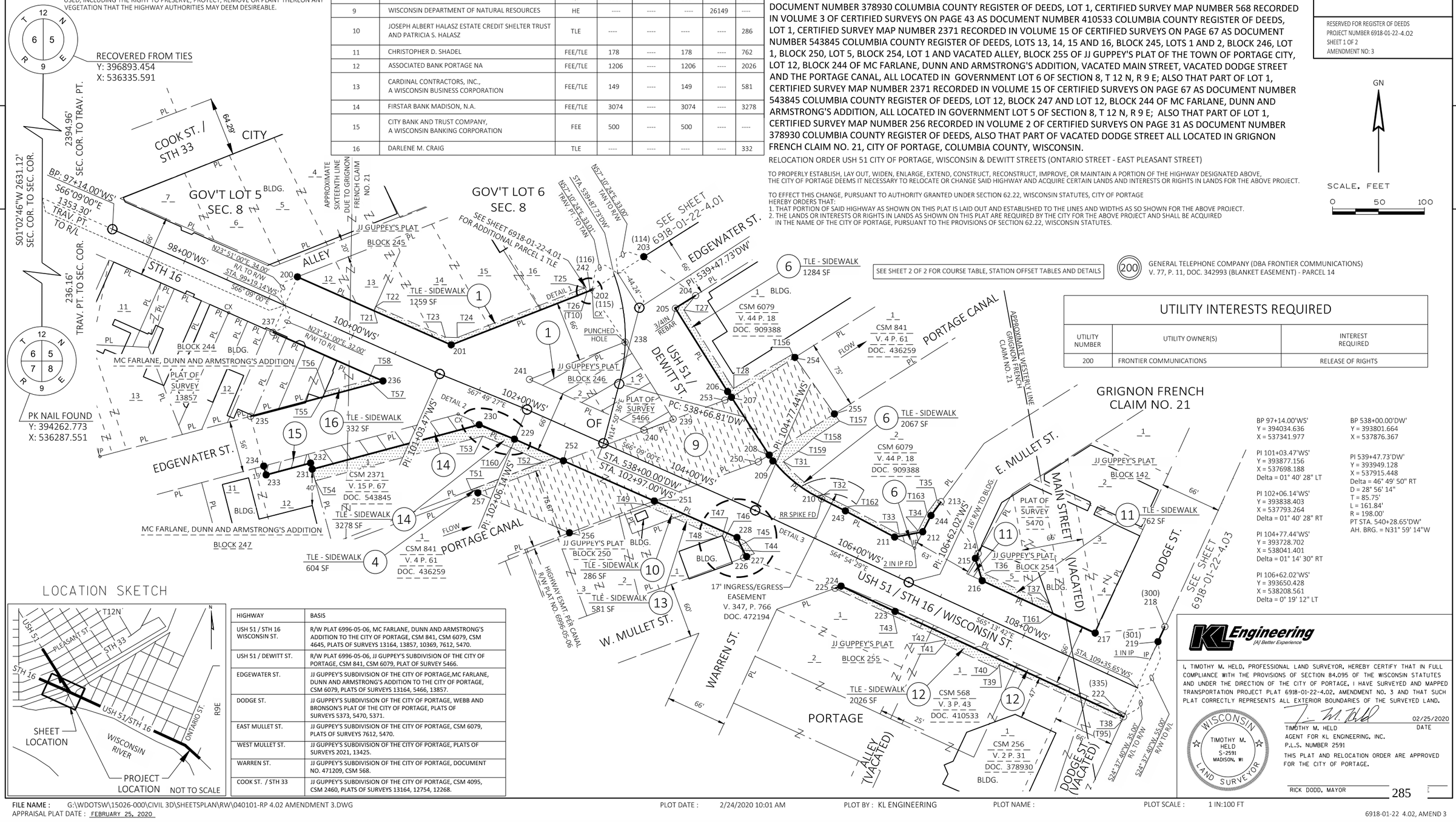
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF PORTAGE DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, CITY OF PORTAGE 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 PORTAGE, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6918-01-22-4.02
SHEET 1 OF 2
AMENDMENT NO: 3

GN

SCALE. FEET
0 50 100



UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
200	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS

LOCATION SKETCH

HIGHWAY	BASIS
USH 51 / STH 16 WISCONSIN ST.	R/W PLAT 6996-05-06, MC FARLANE, DUNN AND ARMSTRONG'S ADDITION TO THE CITY OF PORTAGE, CSM 841, CSM 6079, CSM 4645, PLATS OF SURVEYS 13164, 13857, 10369, 7612, 5470.
USH 51 / DEWITT ST.	R/W PLAT 6996-05-06, JJ GUPPEY'S SUBDIVISION OF THE CITY OF PORTAGE, CSM 841, CSM 6079, PLAT OF SURVEY 5466.
EDGEWATER ST.	JJ GUPPEY'S SUBDIVISION OF THE CITY OF PORTAGE,MC FARLANE, DUNN AND ARMSTRONG'S ADDITION TO THE CITY OF PORTAGE, CSM 6079, PLATS OF SURVEYS 13164, 5466, 13857.
DODGE ST.	JJ GUPPEY'S SUBDIVISION OF THE CITY OF PORTAGE, WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, PLATS OF SURVEYS 5373, 5470, 5371.
EAST MULLET ST.	JJ GUPPEY'S SUBDIVISION OF THE CITY OF PORTAGE, CSM 6079, PLATS OF SURVEYS 7612, 5470.
WEST MULLET ST.	JJ GUPPEY'S SUBDIVISION OF THE CITY OF PORTAGE, PLATS OF SURVEYS 2021, 13425.
WARREN ST.	JJ GUPPEY'S SUBDIVISION OF THE CITY OF PORTAGE, DOCUMENT NO. 471209, CSM 568.
COOK ST. / STH 33	JJ GUPPEY'S SUBDIVISION OF THE CITY OF PORTAGE, CSM 4095, CSM 2460, PLATS OF SURVEYS 13164, 12754, 12268.

BP 97+14.00'WS'
Y = 394034.636
X = 537341.977

PI 101+03.47'WS'
Y = 393877.156
X = 537698.188
Delta = 01° 40' 28" LT

PI 102+06.14'WS'
Y = 393838.403
X = 537793.264
Delta = 01° 40' 28" RT

PI 104+77.44'WS'
Y = 393728.702
X = 538041.401
Delta = 01° 14' 30" RT

PI 106+62.02'WS'
Y = 393650.428
X = 538208.561
Delta = 0° 19' 12" LT

BP 538+00.00'DW'
Y = 393801.664
X = 537876.367

PI 539+47.73'DW'
Y = 393949.128
X = 537915.448
Delta = 46° 49' 50" RT
D = 28° 56' 14"
T = 85.75'
L = 161.84'
R = 198.00'
PT STA. 540+28.65'DW'
AH. BRG. = N31° 59' 14"W

KL Engineering
(A) Better Experience

I, TIMOTHY M. HELD, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF PORTAGE, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 6918-01-22-4.02, AMENDMENT NO. 3 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN TIMOTHY M. HELD S-2591 MADISON, WI LAND SURVEYOR

02/25/2020
TIMOTHY M. HELD — DATE
AGENT FOR KL ENGINEERING, INC.
P.L.S. NUMBER 2591

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF PORTAGE.

RICK DODD, MAYOR

285

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\RW\040101-RP 4.02 AMENDMENT 3.DWG
PLOT DATE : 2/24/2020 10:01 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
APPRAISAL PLAT DATE : FEBRUARY 25, 2020

6918-01-22 4.02, AMEND 3

TRANSPORTATION PROJECT PLAT NO: 6918-01-22 - 4.02, AMENDMENT NO. 3
EXTENSION SHEET

RELOCATION ORDER USH 51 CITY OF PORTAGE, WISCONSIN & DEWITT STREETS (ONTARIO STREET - EAST PLEASANT STREET)

4

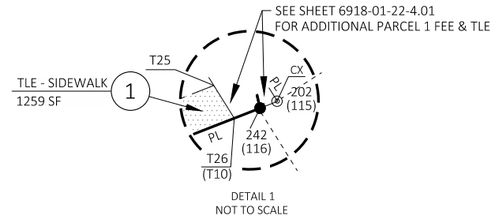
HE Course Table		
COURSE	BEARING	DISTANCE
207-254	N57° 46' 07"E	81.53'
254-255	S34° 57' 59"E	75.10'
255-208	S57° 46' 07"W	83.95'
208-250	S57° 46' 07"W	13.94'
250-251	S69° 25' 38"W	120.97'
251-256	S69° 25' 38"W	98.58'
256-257	N66° 27' 58"W	108.72'
257-252	N69° 25' 38"E	99.43'
252-240	N69° 25' 38"E	94.29'
240-239	N69° 25' 38"E	33.51'
239-253	N69° 25' 38"E	65.91'
253-207	N57° 46' 07"E	1.86'

CURVE 209-210
L = 72.99'
LCH = 72.23'
LCB = S50° 37' 28"E
R = 145.68'

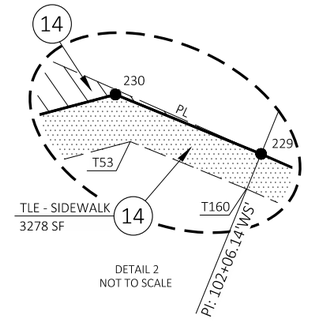
R/W Course Table		
COURSE	BEARING	DISTANCE
200-201	S66° 09' 00"E	183.00'
201-242	N68° 40' 04"E	162.39'
242-202	N68° 40' 04"E	2.46'
202-203	N57° 10' 24"E	66.01'
203-204	S53° 46' 22"E	70.77'
204-205	S57° 45' 48"W	26.26'
205-206	S32° 04' 46"E	107.14'
206-207	S34° 11' 51"E	7.51'
207-208	S33° 07' 04"E	75.02'
208-209	S34° 14' 04"E	2.27'
209-210	SEE CURVE NOTE	
210-243	S63° 11' 16"E	29.00'
243-211	S61° 59' 39"E	60.70'
211-212	N79° 20' 42"E	31.04'
212-244	N26° 55' 29"E	19.91'
244-213	N36° 21' 07"E	18.55'
213-214	S35° 31' 11"E	69.25'
214-215	S29° 46' 54"W	6.02'
215-216	S17° 05' 05"E	25.51'
216-217	S65° 13' 42"E	135.57'
217-218	N84° 48' 16"E	76.08'
218-219	S24° 37' 40"W	18.00'
219-222	S24° 37' 40"W	90.00'
222-223	N65° 13' 42"W	273.82'
223-224	N64° 54' 29"W	64.94'
224-225	S70° 16' 25"W	7.09'
225-226	N71° 28' 15"W	104.83'
226-227	N69° 38' 31"E	3.11'
227-228	N25° 54' 05"W	23.26'
228-251	N66° 09' 00"W	98.38'
251-252	N66° 09' 00"W	108.11'
252-229	N66° 09' 00"W	58.24'
229-230	N67° 49' 32"W	41.53'
230-231	S75° 03' 33"W	188.00'
231-232	N14° 56' 27"W	7.00'
232-233	S75° 03' 33"W	50.04'
233-234	N14° 56' 27"W	10.00'
234-235	N14° 56' 27"W	56.00'
235-236	N75° 03' 33"E	149.16'
236-237	N66° 09' 00"W	130.91'
237-200	N23° 51' 00"E	66.00'
242-238	S34° 02' 14"E	67.67'
238-239	S31° 59' 14"E	99.30'
239-240	S69° 25' 38"W	33.51'
240-241	N66° 09' 00"W	136.95'
241-238	N68° 40' 04"E	111.67'

R/W Station & Offset Table		
Point No.	Station	Offset
200	99+19.14'WS'	34.00'
201	101+02.15'WS'	34.00'
202	539+79.30'DW'	27.74'
203	539+93.84'DW'	36.62'
204	539+50.77'DW'	80.53'
205	539+42.86'DW'	56.52'
206	103+97.87'WS'	106.11'
207	104+04.24'WS'	102.13'
208	104+67.14'WS'	61.24'
209	104+69.06'WS'	60.04'
210	105+37.76'WS'	42.02'
211	106+27.37'WS'	38.06'
212	106+52.57'WS'	56.20'
213	106+56.83'WS'	94.29'
214	107+17.50'WS'	60.00'
215	107+16.97'WS'	54.00'
216	107+34.00'WS'	35.00'
217	108+69.57'WS'	35.00'
218	109+35.47'WS'	73.00'
219	109+35.51'WS'	55.00'
222	109+35.74'WS'	35.00'
223	106+62.02'WS'	35.00'
224	105+97.18'WS'	35.00'
225	105+92.14'WS'	40.00'
226	104+88.00'WS'	51.98'
227	104+90.18'WS'	49.76'
228	104+71.35'WS'	35.00'
229	102+05.60'WS'	35.00'
230	101+64.07'WS'	35.00'
231	100+18.53'WS'	151.00'
232	100+14.15'WS'	145.54'
233	99+75.14'WS'	176.89'
234	99+68.88'WS'	169.10'
235	99+33.79'WS'	125.45'
236	100+50.06'WS'	32.00'
237	99+19.14'WS'	32.00'
238	539+12.91'DW'	0.16'(LT.)
239	538+44.53'DW'	66.93'
240	103+32.20'WS'	31.00'
241	101+96.17'WS'	31.30'
242	539+79.12'DW'	30.20'
243	105+66.75'WS'	41.15'
244	106+53.21'WS'	76.10'
250	104+59.36'WS'	49.67'
251	103+72.94'WS'	35.00'
252	102+64.86'WS'	35.00'
253	104+03.21'WS'	100.59'
254	104+49.74'WS'	169.79'
255	105+11.14'WS'	131.66'
256	103+02.54'WS'	104.02'
257	101+90.79'WS'	104.19'

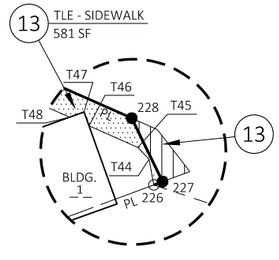
TLE Station & Offset Table		
Point No.	Station	Offset
T21	100+10.14'WS'	34.00'
T22	100+10.14'WS'	39.00'
T23	100+93.02'WS'	39.00'
T24	101+06.32'WS'	43.94'
T25	539+84.82'DW'	35.02'
T26	539+78.83'DW'	33.83'
T27	539+40.66'DW'	65.61'
T28	104+02.22'WS'	111.61'
T31	104+82.90'WS'	61.08'
T32	105+37.84'WS'	47.02'
T33	106+30.68'WS'	42.91'
T34	106+47.53'WS'	55.04'
T35	106+51.73'WS'	94.27'
T36	107+33.00'WS'	43.00'
T37	108+11.16'WS'	43.00'
T38	109+35.75'WS'	40.00'
T39	107+89.00'WS'	40.00'
T40	107+89.00'WS'	45.00'
T41	107+25.00'WS'	45.00'
T42	107+25.00'WS'	40.00'
T43	106+62.08'WS'	40.00'
T44	104+83.00'WS'	45.00'
T45	104+78.00'WS'	43.00'
T46	104+59.50'WS'	43.00'
T47	104+56.11'WS'	39.49'
T48	104+52.44'WS'	43.00'
T49	103+64.80'WS'	43.00'
T51	101+82.68'WS'	104.00'
T52	102+45.54'WS'	45.00'
T53	101+72.40'WS'	45.00'
T54	100+26.68'WS'	161.13'
T55	99+97.22'WS'	74.47'
T56	99+97.17'WS'	68.09'
T57	100+35.22'WS'	37.51'
T58	100+35.29'WS'	32.00'
T156	104+46.08'WS'	172.00'
T157	105+19.23'WS'	127.00'
T158	105+01.83'WS'	98.30'
T159	104+92.93'WS'	78.24'
T160	102+05.48'WS'	45.00'
T161	108+18.85'WS'	35.00'
T162	105+66.95'WS'	46.15'
T163	106+48.22'WS'	76.68'



DETAIL 1
NOT TO SCALE



DETAIL 2
NOT TO SCALE



DETAIL 3
NOT TO SCALE

4

PROJECT NUMBER 6918-01-22-4.02 AMEND NO. 3
SHEET 2 OF 2

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\RW\040101-RP 4.02 AMENDMENT 3.DWG
APPRAISAL PLAT DATE : FEBRUARY 25, 2020

PLOT DATE : 2/24/2020 9:51 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ############

6918-01-22 4.02 , AMEND 3

TRANSPORTATION PROJECT PLAT NO: 6918-01-22 - 4.03, AMENDMENT NO. 2

AMENDS PARCEL 24 OF TRANSPORTATION PROJECT PLAT 6918-01-22 - 4.03, AMENDMENT NO. 1 RECORDED AS DOCUMENT 919875 IN THE OFFICE OF THE REGISTER OF DEEDS IN COLUMBIA COUNTY, WISCONSIN.

THAT PART OF LOT 1, CERTIFIED SURVEY NUMBER 298 RECORDED IN VOLUME 2 OF CERTIFIED SURVEYS ON PAGE 73 AS DOCUMENT NUMBER 384709 COLUMBIA COUNTY REGISTER OF DEEDS, LOTS 7 AND 8, BLOCK 139, LOTS 7 AND 8, BLOCK 135, LOTS 7 AND 8, BLOCK 131, LOTS 1, 10 AND VACATED ALLEY, BLOCK 132, LOTS 1 AND 10, BLOCK 134 AND LOT 10, BLOCK 140 OF WEBB AND BRONSON'S PLAT OF THE TOWN OF FORT WINNEBAGO; ALSO THAT PART OF VACATED BROOKE STREET, VACATED BRADY STREET, AND VACATED PAQUETTE STREET ALL LOCATED IN GRIGNON FRENCH CLAIM NO. 21, CITY OF PORTAGE, COLUMBIA COUNTY, WISCONSIN.

RELOCATION ORDER USH 51 CITY OF PORTAGE, WISCONSIN & DEWITT STREETS (ONTARIO STREET - EAST PLEASANT STREET)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF PORTAGE DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, CITY OF PORTAGE 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 PORTAGE, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6918-01-22-4.03
SHEET 1 OF 2
AMENDMENT NO: 2

RECOVERED FROM TIES
Y: 396893.454
X: 536335.591

SEE SHEET 2 OF 2 FOR COURSE TABLE AND STATION OFFSET TABLES

S01°02'46"W 2631.12' SEC. COR. TO SEC. COR.

S71°28'25"E 2288.03' SEC. COR. TO R/L

PK NAIL FOUND
Y: 394262.773
X: 536287.551

SEE SHEET 6918-01-22-4.02

APPROXIMATE WESTERLY GRIGNON FRENCH CLAIM 21 LINE

DODGE ST.

CITY

PAUQUETTE ST.

PAUQUETTE ST. (VACATED)

BRADY ST. (VACATED)

BRADY ST.

BROOKE ST.

BROOKE ST. (VACATED)

ALLEY

ALLEY (VACATED)

PLAT OF SURVEY 5371

PLAT OF SURVEY 1571

PLAT OF SURVEY 5367

PLAT OF SURVEY 13120

PLAT OF SURVEY 10369

PLAT OF SURVEY 15484

PLAT OF SURVEY 8955

WEBB AND BRONSON'S PLAT BLOCK 139

WEBB AND BRONSON'S PLAT BLOCK 135

WEBB AND BRONSON'S PLAT BLOCK 140

WEBB AND BRONSON'S PLAT BLOCK 134

WEBB AND BRONSON'S PLAT BLOCK 131

WEBB AND BRONSON'S PLAT BLOCK 132

CSM 298
V. 2 P. 73
DOC. 384709

110+00'WS'
112+00'WS'
114+00'WS'
116+00'WS'
118+00'WS'
120+00'WS'

STA. 109+35.65'WS'
STA. 121+09.73'WS'

USH 51 / STH 16 / WISCONSIN ST.

GRIGNON FRENCH CLAIM NO. 21

PORTAGE

TLE - SIDEWALK 346 SF — 17
TLE - SIDEWALK 490 SF — 18
TLE - SIDEWALK 1194 SF — 19
TLE - SIDEWALK 1053 SF — 21
TLE - SIDEWALK 559 SF — 22
TLE - SIDEWALK 446 SF — 23
TLE - SIDEWALK 890 SF — 23
TLE - SIDEWALK 2781 SF — 24
TLE - SIDEWALK 2678 SF — 26
TLE - SIDEWALK 632 SF — 27
TLE - SIDEWALK 1030 SF — 12
TLE - SIDEWALK 823 SF — 21
TLE - SIDEWALK 4514 SF — 4

NOT TO SCALE

GN

SCALE, FEET
0 50 100

SCHEDULE OF LANDS & INTERESTS REQUIRED

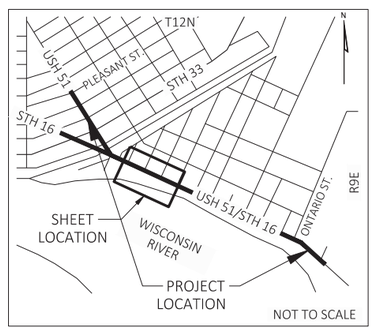
OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTEREST TO THE CITY OF PORTAGE
ALL AREAS SHOWN IN SQUARE FEET
BUILDINGS WILL NOT BE AFFECTED BY TLES

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQUARE FOOTAGE REQ'D NEW	EXISTING	TOTAL	TLE S.F.	PLE S.F.
4	CITY OF PORTAGE	FEE/TLE	1390	----	1390	4514	----
12	ASSOCIATED BANK PORTAGE NA	FEE/TLE	600	----	600	1030	----
17	TIMOTHY M. FISCHER	FEE/TLE	44	----	44	346	----
18	COCHRANE INVESTMENTS LLC, A WISCONSIN LIMITED LIABILITY COMPAMY	TLE	----	----	----	490	----
19	HAMELE FAMILY INVESTMENTS, LLC	FEE/TLE	113	----	113	1194	----
21	401 EAST WISCONSIN STREET PORTAGE, WI LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	135	----	135	1876	----
22	BARRY A. SCHOENBECK	TLE	----	----	----	559	----
23	JOSEPH S. JANAS	FEE/TLE	65	----	65	1336	----
24	US ARMY CORPS OF ENGINEERS	PLE	----	----	----	----	2781
26	JHK INC. A WISCONSIN CORPORATION	FEE/TLE	142	----	142	2678	----
27	WILLIAM N. NOLL	FEE/TLE	90	----	90	632	----

NOTE:

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

LOCATION SKETCH



NOTES:

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN COLUMBIA COUNTY AS SHEET 2 OF 3 OF DOCUMENT #910751 AND FILED IN VOLUME 1, PAGE 309A.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), COLUMBIA 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.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE CITY OF PORTAGE.

FOUND PROPERTY PIPES ARE 3/4" REBAR, UNLESS OTHERWISE NOTED.

HIGHWAY	BASIS
USH 51 / STH 16 / WISCONSIN ST.	WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, PLATS OF SURVEYS 10369, 5470, 1571, 13120, 9135, 8955, 15484.
PAUQUETTE ST.	WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, PLAT OF SURVEY 1571.
BRADY ST.	WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, PLATS OF SURVEYS 13120, 5367, 9135, 8955.
BROOKE ST.	WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, PLATS OF SURVEYS 9135, 8955.

KL Engineering (A) Better Experience

I, TIMOTHY M. HELD, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF PORTAGE, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 6918-01-22-4.03, AMENDMENT NO. 2 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN TIMOTHY M. HELD S-2591 MADISON, WI LAND SURVEYOR

12/13/2019
TIMOTHY M. HELD — DATE
AGENT FOR KL ENGINEERING, INC.
P.L.S. NUMBER 2591

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF PORTAGE.

RICK DODD, MAYOR

287

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\RW\040101-RP 4.03 AMENDMENT 2.DWG
PLOT DATE : 12/13/2019 9:40 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
APPRAISAL PLAT DATE : DECEMBER 13, 2019

6918-01-22 4.03, AMEND. 2

TRANSPORTATION PROJECT PLAT NO: 6918-01-22 - 4.03, AMENDMENT NO. 2

RELOCATION ORDER USH 51 CITY OF PORTAGE, WISCONSIN & DEWITT STREETS (ONTARIO STREET - EAST PLEASANT STREET)

4

R/W Course Table		
COURSE	BEARING	DISTANCE
300-301	S24° 37' 40"W	18.00'
301-302	S12° 08' 18"W	20.50'
302-303	S65° 13' 42"E	145.57'
303-304	S65° 13' 42"E	25.00'
304-305	S65° 13' 42"E	129.43'
305-306	N86° 32' 28"E	23.25'
306-307	N24° 38' 27"E	10.00'
307-308	S64° 21' 37"E	66.01'
308-309	S24° 38' 27"W	20.00'
309-310	S65° 13' 42"E	150.17'
310-311	S65° 13' 42"E	20.00'
311-312	S65° 13' 42"E	134.31'
312-313	N85° 40' 16"E	20.56'
313-314	N24° 47' 10"E	5.00'
314-315	S65° 13' 42"E	3.00'
315-316	N24° 33' 25"E	27.00'
316-317	S65° 13' 42"E	66.00'
317-318	S24° 33' 25"W	42.00'
318-319	S65° 13' 42"E	149.44'
319-320	S65° 13' 42"E	25.00'
320-321	S65° 13' 42"E	129.54'
321-322	S80° 46' 56"E	22.38'
322-323	N24° 31' 29"E	14.00'
323-324	S62° 37' 34"E	66.08'
324-325	S24° 31' 29"W	17.00'
325-326	S24° 31' 29"W	66.00'
326-327	N65° 13' 42"W	452.86'
327-328	S24° 46' 18"W	1.50'
328-329	N65° 13' 42"W	154.86'
329-330	N61° 48' 07"W	25.10'
330-331	N68° 39' 02"W	25.13'
331-332	N79° 15' 52"W	10.31'
332-333	N65° 13' 42"W	331.26'
333-334	N65° 13' 42"W	25.00'
334-335	N65° 13' 42"W	150.00'
335-301	N24° 37' 40"E	90.00'

R/W Station & Offset Table		
Point No.	Station	Offset
300	109+35.47'WS'	73.00'
301	109+35.51'WS'	55.00'
302	109+40.00'WS'	35.00'
303	110+85.57'WS'	35.00'
304	111+10.57'WS'	35.00'
305	112+40.00'WS'	35.00'
306	112+60.49'WS'	46.00'
307	112+60.46'WS'	56.00'
308	113+26.47'WS'	55.00'
309	113+26.51'WS'	35.00'
310	114+76.69'WS'	35.00'
311	114+96.69'WS'	35.00'
312	116+31.00'WS'	35.00'
313	116+48.96'WS'	45.00'
314	116+48.96'WS'	50.00'
315	116+51.96'WS'	50.00'
316	116+51.86'WS'	77.00'
317	117+17.86'WS'	77.00'
318	117+18.02'WS'	35.00'
319	118+67.46'WS'	35.00'
320	118+92.46'WS'	35.00'
321	120+22.00'WS'	35.00'
322	120+43.55'WS'	41.00'
323	120+43.49'WS'	55.00'
324	121+09.51'WS'	52.00'
325	121+09.58'WS'	35.00'
326	121+09.87'WS'	31.00'
327	116+57.00'WS'	31.00'
328	116+57.00'WS'	32.50'
329	115+02.09'WS'	32.50'
330	114+77.09'WS'	32.50'
331	114+52.00'WS'	32.50'
332	114+42.00'WS'	35.00'
333	111+10.74'WS'	35.00'
334	110+85.74'WS'	35.00'
335	109+35.74'WS'	35.00'

PLE/TLE Station & Offset Table		
Point No.	Station	Offset
T59	109+43.50'WS'	40.00'
T60	110+85.55'WS'	40.00'
T61	111+10.55'WS'	43.00'
T62	112+44.00'WS'	43.00'
T63	113+29.97'WS'	55.00'
T64	113+29.97'WS'	37.00'
T65	113+97.00'WS'	37.00'
T66	114+03.00'WS'	43.00'
T67	114+76.66'WS'	43.00'
T68	114+96.66'WS'	43.00'
T69	114+99.00'WS'	40.00'
T70	116+30.00'WS'	40.00'
T71	116+41.86'WS'	46.00'
T72	116+41.86'WS'	77.00'
T73	117+24.00'WS'	41.00'
T74	118+67.43'WS'	41.00'
T75	118+92.44'WS'	40.00'
T76	120+22.00'WS'	40.00'
T77	120+38.49'WS'	55.00'
T80	117+75.00'WS'	43.00'
T81	115+02.12'WS'	43.00'
T82	114+77.13'WS'	47.00'
T83	114+42.00'WS'	47.00'
T84	114+42.00'WS'	43.00'
T85	112+05.00'WS'	43.00'
T86	112+05.00'WS'	73.00'
T87	111+55.00'WS'	73.00'
T88	111+55.00'WS'	40.00'
T89	111+10.75'WS'	40.00'
T90	110+85.75'WS'	40.00'
T91	110+61.00'WS'	40.00'
T92	110+61.00'WS'	47.00'
T93	110+21.00'WS'	47.00'
T94	110+21.00'WS'	40.00'
T95	109+35.75'WS'	40.00'
P1	121+09.90'WS'	40.00'
P2	117+97.00'WS'	40.00'
P3	117+88.32'WS'	41.18'
P4	118+11.72'WS'	31.00'

PLE COURSE TABLE			
FROM POINT	TO POINT	BEARING	DISTANCE
326	P1	S24° 31' 29"W	9.00'
P1	P2	N65° 13' 42"W	312.90'
P2	P3	N72° 59' 37"W	8.76'
P3	P4	S88° 45' 04"E	25.52'
P4	326	S65° 13' 42"E	298.15'

4

PROJECT NUMBER 6918-01-22-4.03, AMEND NO. 2
SHEET 2 OF 2

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\RW\040101-RP 4.03 AMENDMENT 2.DWG
APPRAISAL PLAT DATE : DECEMBER 13, 2019

PLOT DATE : 12/12/2019 1:21 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

6918-01-22 4.03, AMEND. 2

TRANSPORTATION PROJECT PLAT NO: 6918-01-22 - 4.04, AMENDMENT NO. 1

AMENDS PARCEL 24 AND REMOVES PARCELS 37 AND 38 OF TRANSPORTATION PROJECT PLAT 6918-01-22 - 4.04, RECORDED AS DOCUMENT 911426 IN THE OFFICE OF THE REGISTER OF DEEDS IN COLUMBIA COUNTY, WISCONSIN.

THAT PART OF LOTS 7 AND 8, BLOCK 121, LOTS 7 AND 8, BLOCK 118, LOTS 7 AND 8, BLOCK 89, LOTS 1, 10 AND VACATED ALLEY, BLOCK 88, LOTS 1, 10 AND VACATED ALLEY, BLOCK 119 LOTS 1 AND 10, AND VACATED ALLEY, BLOCK 120 OF WEBB AND BRONSON'S PLAT OF THE TOWN OF FORT WINNEBAGO; ALSO THAT PART OF VACATED MICHIGAN ST, VACATED SUPERIOR STREET AND VACATED WASHINGTON STREET ALL LOCATED IN GRIGNON FRENCH CLAIM NO. 21, CITY OF PORTAGE, COLUMBIA COUNTY, WISCONSIN.

RELOCATION ORDER USH 51 CITY OF PORTAGE, WISCONSIN & DEWITT STREETS (ONTARIO STREET - EAST PLEASANT STREET)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF PORTAGE DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, CITY OF PORTAGE 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 PORTAGE, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6918-01-22-4.04
SHEET 1 OF 2
AMENDMENT NO: 1

SEE SHEET 2 OF 2 FOR COURSE TABLE AND STATION OFFSET TABLES

SEE SHEET 6918-01-22-4.03

SEE SHEET 6918-01-22-4.05

RECOVERED FROM TIES
Y: 396893.454
X: 536335.591

S01°02'46"W 2631.12'
SEC. COR. TO SEC. COR.

S69°21'25"E
3457.35'
SEC. COR.
TO R/L

PK NAIL FOUND
Y: 394262.773
X: 536287.551

CITY

BROOKE ST.

GRIGNON FRENCH CLAIM NO. 21

WASHINGTON ST.

SUPERIOR ST.

MICHIGAN ST.

ALLEY

WEBB AND BRONSON'S PLAT
BLOCK 121

WEBB AND BRONSON'S PLAT
BLOCK 118

WEBB AND BRONSON'S PLAT
BLOCK 120

WEBB AND BRONSON'S PLAT
BLOCK 119

WEBB AND BRONSON'S PLAT
BLOCK 89

WEBB AND BRONSON'S PLAT
BLOCK 88

PLAT OF SURVEY 4349
PLAT OF SURVEY 10213
PLAT OF SURVEY 14524
PLAT OF SURVEY 5362

ALLEY (VACATED)
WASHINGTON ST. (VACATED)
SUPERIOR ST. (VACATED)
MICHIGAN ST. (VACATED)

USH 51 / STH 16 / WISCONSIN ST.
OF
126+00'WS'
128+00'WS'
130+00'WS'
132+00'WS'
122+00'WS'
124+00'WS'
STA. 121+09.73'WS'
STA. 132+84.03'WS'
S65° 13' 42"E

28 TLE - SIDEWALK 1102 SF
29 TLE - SIDEWALK 1291 SF
31 TLE - SIDEWALK 852 SF
32 TLE - SIDEWALK 800 SF
33 TLE - SIDEWALK 375 SF
34 TLE - SIDEWALK 385 SF
36 TLE - SIDEWALK 872 SF
24 PLE - SIDEWALK 21850 SF

BLDG.
REBAR W/CAP
1 IN IP
MAG NAIL

N24° 31' 25"E 35.00' M/L TO NW
N24° 31' 25"E 31.00' R/W TO R/L
S24° 44' 46"W 35.00' R/W TO R/L
S24° 44' 46"W 31.00' R/L TO R/W

PORTAGE

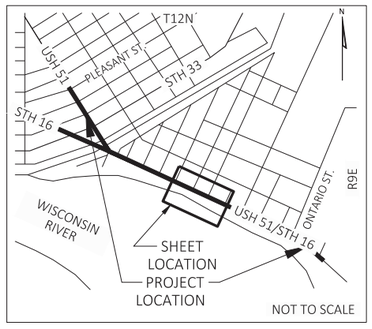
SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTEREST TO THE CITY OF PORTAGE
ALL AREAS SHOWN IN SQUARE FEET
BUILDINGS WILL NOT BE AFFECTED BY TLES

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQUARE FOOTAGE REQ'D NEW	EXISTING	TOTAL	TLE S.F.	PLE S.F.
24	US ARMY CORPS OF ENGINEERS	PLE	----	----	----	----	21850
28	LIBERTY KWIK STOP LLC	TLE	----	----	----	1102	----
29	MILLER, BRUSSELL, EBBEN & GLASKE, LLC	FEE/TLE	122	----	122	1291	----
31	SHADY LAWN MOTEL OF PORTAGE, LLC	TLE	----	----	----	852	----
32	MRP PROPERTIES, LLC	TLE	----	----	----	800	----
33	DANIEL F. KUPER	TLE	----	----	----	375	----
34	JOANNE KJOME	TLE	----	----	----	385	----
36	BRIAN R. TOLLISON, LLC	FEE/TLE	110	----	110	872	----

HIGHWAY	BASIS
USH 51 / STH 16 WISCONSIN ST.	WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, PLATS OF SURVEYS 9135, 8955, 4349, 10213, 5362, 14524.
WASHINGTON ST.	WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, PLAT OF SURVEY 4349.
SUPERIOR ST.	WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, PLATS OF SURVEYS 5798, 10213, 5362, 7043, 14524.
MICHIGAN ST.	WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, PLATS OF SURVEYS 3804, 5362, 9859.

LOCATION SKETCH



NOTES:

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN COLUMBIA COUNTY AS SHEET 2 OF 3 OF DOCUMENT #910751 AND FILED IN VOLUME 1, PAGE 309A.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), COLUMBIA 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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GN

SCALE, FEET
0 50 100

KL Engineering
(A) Better Experience

I, TIMOTHY M. HELD, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF PORTAGE, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 6918-01-22-4.04, AMENDMENT NO. 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
TIMOTHY M. HELD
S-2591
MADISON, WI
LAND SURVEYOR

12/13/2019
DATE

TIMOTHY M. HELD
AGENT FOR KL ENGINEERING, INC.
P.L.S. NUMBER 2591

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF PORTAGE.

RICK DODD, MAYOR

289

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\RW\040101-RP 4.04 AMENDMENT 1.DWG
APPRAISAL PLAT DATE : DECEMBER 13, 2019
PLOT DATE : 12/13/2019 9:39 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

6918-01-22 4.04, AMEND. 1

TRANSPORTATION PROJECT PLAT NO: 6918-01-22 - 4.04, AMENDMENT NO. 1

RELOCATION ORDER USH 51 CITY OF PORTAGE, WISCONSIN & DEWITT STREETS (ONTARIO STREET - EAST PLEASANT STREET)

4

4

R/W Course Table		
COURSE	BEARING	DISTANCE
400-401	S24° 31' 29"W	17.00'
401-402	S65° 13' 42"E	150.30'
402-403	S65° 13' 42"E	25.00'
403-404	S65° 13' 42"E	128.12'
404-405	N88° 25' 21"E	24.77'
405-406	N24° 35' 57"E	17.00'
406-407	S62° 37' 34"E	66.08'
407-408	S24° 35' 57"W	25.00'
408-409	S65° 13' 42"E	150.51'
409-410	S65° 13' 42"E	25.00'
410-411	S65° 13' 42"E	150.06'
411-412	N24° 45' 28"E	15.00'
412-413	S52° 25' 29"E	67.69'
413-414	S65° 13' 42"E	151.91'
414-415	S65° 13' 42"E	25.00'
415-416	S65° 13' 42"E	128.29'
416-417	N85° 58' 07"E	22.83'
417-418	N24° 44' 46"E	27.00'
418-419	S67° 49' 51"E	66.07'
419-420	S24° 44' 46"W	41.00'
420-421	S24° 44' 46"W	66.00'
421-422	N65° 13' 42"W	1174.18'
422-401	N24° 31' 29"E	66.00'

R/W Station & Offset Table		
Point No.	Station	Offset
400	121+09.51'WS'	52.00'
401	121+09.58'WS'	35.00'
402	122+59.88'WS'	35.00'
403	122+84.88'WS'	35.00'
404	124+13.00'WS'	35.00'
405	124+35.19'WS'	46.00'
406	124+35.14'WS'	63.00'
407	125+01.15'WS'	60.00'
408	125+01.23'WS'	35.00'
409	126+51.74'WS'	35.00'
410	126+76.74'WS'	35.00'
411	128+26.79'WS'	35.00'
412	128+26.79'WS'	50.00'
413	128+92.79'WS'	35.00'
414	130+44.71'WS'	35.00'
415	130+69.71'WS'	35.00'
416	131+98.00'WS'	35.00'
417	132+18.01'WS'	46.00'
418	132+18.00'WS'	73.00'
419	132+83.99'WS'	76.00'
420	132+84.01'WS'	35.00'
421	132+84.04'WS'	31.00'
422	121+09.87'WS'	31.00'

PLE/TLE Station & Offset Table		
Point No.	Station	Offset
T96	121+14.51'WS'	52.00'
T97	121+14.51'WS'	42.00'
T98	122+59.85'WS'	42.00'
T99	122+84.86'WS'	43.00'
T100	124+13.00'WS'	43.00'
T101	124+27.14'WS'	50.00'
T102	124+27.14'WS'	63.00'
T103	125+06.15'WS'	60.00'
T104	125+06.15'WS'	40.00'
T105	126+51.72'WS'	40.00'
T106	126+76.72'WS'	40.00'
T107	128+21.79'WS'	40.00'
T108	128+21.79'WS'	50.00'
T109	128+92.79'WS'	40.00'
T110	130+44.67'WS'	40.00'
T111	130+69.67'WS'	40.00'
T112	131+96.00'WS'	40.00'
T113	132+14.00'WS'	52.00'
T114	132+14.00'WS'	73.00'
P5	132+84.05'WS'	40.00'
P6	124+49.00'WS'	40.00'
P7	124+49.00'WS'	83.35'
P8	121+81.50'WS'	81.00'
P9	121+81.50'WS'	40.00'
P10	121+09.90'WS'	40.00'

PLE COURSE TABLE			
FROM POINT	TO POINT	BEARING	DISTANCE
421	P5	S24° 44' 46"W	9.00'
P5	P6	N65° 13' 42"W	835.04'
P6	P7	S24° 46' 18"W	43.35'
P7	P8	N64° 43' 30"W	267.51'
P8	P9	N24° 46' 01"E	41.00'
P9	P10	N65° 13' 42"W	71.59'
P10	422	N24° 31' 29"E	9.00'
422	421	S65° 13' 42"E	1174.18'

PROJECT NUMBER 6918-01-22-4.04, AMEND NO. 1
SHEET 2 OF 2

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\RW\040101-RP 4.04 AMENDMENT 1.DWG
APPRAISAL PLAT DATE : DECEMBER 13, 2019

PLOT DATE : 12/12/2019 1:22 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

6918-01-22 4.04, AMEND 1.

TRANSPORTATION PROJECT PLAT NO: 6918-01-22 - 4.05, AMENDMENT NO.1

AMENDS BY ADDING PARCEL 24 AND REMOVES PARCELS 37 AND 47 OF TRANSPORTATION PROJECT PLAT 6918-01-22 - 4.05, RECORDED AS DOCUMENT 911427 IN THE OFFICE OF THE REGISTER OF DEEDS IN COLUMBIA COUNTY, WISCONSIN.

THAT PART OF LOTS 7 AND 8, BLOCK 84, LOTS 7, 8 AND VACATED ALLEY, BLOCK 52, LOTS 7 AND 8, BLOCK 49, LOTS 1, 10 AND VACATED ALLEY, BLOCK 50, LOTS 1, 10 AND VACATED ALLEY, BLOCK 51 AND LOTS 1 ,2, 9, 10 AND VACATED ALLEY, BLOCK 85 OF WEBB AND BRONSON'S PLAT OF THE TOWN OF FORT WINNEBAGO; ALSO THAT PART OF VACATED HURON STREET, VACATED ERIE STREET AND VACATED WAUONA TRAIL ALL LOCATED IN GRIGNON FRENCH CLAIM NO. 21, CITY OF PORTAGE, COLUMBIA WISCONSIN.

RELOCATION ORDER USH 51 CITY OF PORTAGE, WISCONSIN & DEWITT STREETS (ONTARIO STREET - EAST PLEASANT STREET)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF PORTAGE DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, CITY OF PORTAGE 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 PORTAGE, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTEREST TO THE CITY OF PORTAGE
ALL AREAS SHOWN IN SQUARE FEET
BUILDINGS WILL NOT BE AFFECTED BY TLES

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQUARE FOOTAGE REQ'D NEW	EXISTING	TOTAL	TLE S.F.	PLE S.F.
24	US ARMY CORPS OF ENGINEERS	PLE	----	----	----	----	30416
39	PAVELS CERNOMORDIJS AND VICTOR ALEXANDROVICH BANCHIKOV	TLE	----	----	----	1552	----
41	LOIS M. RETHARD LIVING TRUST DATED DECEMBER 16, 1999	FEE/TLE	293	----	293	1376	----
42	DORN GROUP LANDS LLC	FEE/TLE	310	----	310	2175	----
43	PORTAGE LUMBER COMPANY, INC.	TLE	----	----	----	289	----
44	ROSS D. YAHNKE AND PEARL YAHNKE	TLE	----	----	----	360	----
46	QEMAL ALIMI	TLE	----	----	----	1162	----

HIGHWAY	BASIS
USH 51 / STH 16 WISCONSIN ST.	WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, CSM 5166, PLATS OF SURVEYS 5362, 14524, 5230, 5361, 9859, 9088, 5347, 6959.
WAUONA TRL.	WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, PLATS OF SURVEYS 5230, 5361, 5345, 9088, 5347.
HURON ST.	WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, PLATS OF SURVEYS 5345, 9088, 5347.
ERIE ST.	WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, CSM 5166, PLATS OF SURVEYS 5345, 6959.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6918-01-22-4.05
SHEET 1 OF 2
AMENDMENT NO: 1

GN

SCALE. FEET
0 50 100

RECOVERED FROM TIES
Y: 394480.016
X: 544391.443

T 12 N
R 9 E
4 9

SEE SHEET 2 OF 2 FOR COURSE TABLE AND STATION OFFSET TABLES

SEE SHEET 6918-01-22-4.04

MICHIGAN ST.

CITY

IP 1 IN IP

PLAT OF SURVEY 9859

REBAR W/CAP

WEBB AND BRONSON'S PLAT BLOCK 84

PLAT OF SURVEY 5361

BLDG.

ALLEY

39 TLE - SIDEWALK 1552 SF

41 TLE - SIDEWALK 1376 SF

N24° 44' 46"E, 31.00' R/W TO R/L
N24° 44' 46"E, 35.00' R/L TO R/W

(419) 500 T121 T122 501 (420) T123 T124 502 503 T125 504 T126 T127 505 506

(421) 521 (P5) P17 P16 P15

STA. 132+84.03'WS'

134+00'WS'

S65° 13' 42"E

136+00'WS'

WAUONA TRL.

PI: 136+78.85'WS'

GRIGNON FRENCH CLAIM NO. 21

WEBB AND BRONSON'S PLAT BLOCK 52

PLAT OF SURVEY 9088

42 TLE - SIDEWALK 1693 SF

507 508 T128 509

ALLEY (VACATED)

HURON ST.

WEBB AND BRONSON'S PLAT BLOCK 49

42 TLE - SIDEWALK 482 SF

BLDG.

44 TLE - SIDEWALK 360 SF

43 TLE - SIDEWALK 289 SF

T129 1 1/2IN IP 510 IP

T130 511 512 T131 513 T132 514

46 TLE - SIDEWALK 1162 SF

T133 516 515

(600) 517 (601) 518

S51° 19' 09"W, 39.16' R/W TO R/L

REBAR W/CAP

(622) 519 P11

S51° 19' 09"W, 34.69' R/L TO R/W

ERIE ST.

PORTAGE

DISK IN CONCRETE
Y: 389231.083
X: 511379.982

T 12 N
R 9 E
9 16

WEBB AND BRONSON'S PLAT BLOCK 85

24 PLE - SIDEWALK 30416 SF

P14 P13 520

138+00'WS'

USH 51 / STH 16 / WISCONSIN ST.

OF

140+00'WS'

WAUONA TRL. (VACATED)

WEBB AND BRONSON'S PLAT BLOCK 51

WEBB AND BRONSON'S PLAT BLOCK 50

P12

S65° 20' 11"E

142+00'WS'

144+00'WS'

STA. 144+73.87'WS'

S89°52'30"W 2715.85' TRAV. PT. TO R/L

2431.35' SEC. COR. TO TRAV. PT.

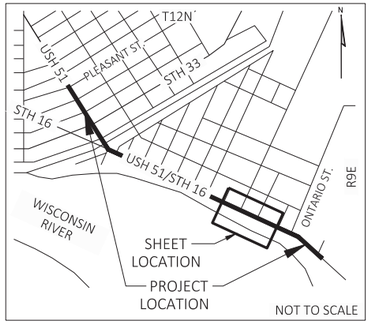
S00°07'30"W 5248.95' SEC. COR. TO SEC. COR.

2817.60' TRAV. PT. TO SEC. COR.

SEE SHEET 6918-01-22-4.06

PI 136+78.85'WS'
Y = 392386.363
X = 540947.794
Delta = 0° 06' 29" LT

LOCATION SKETCH



NOTES:

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN COLUMBIA COUNTY AS SHEET 2 OF 3 OF DOCUMENT #910751 AND FILED IN VOLUME 1, PAGE 309A.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), COLUMBIA COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, AND GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE CITY OF PORTAGE.

FOUND PROPERTY PIPES ARE 3/4" REBAR, UNLESS OTHERWISE NOTED.

EXISTING ACCESS CONTROL ALONG USH 51 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT CA 05-2(1).

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

KL Engineering
[A] Better Experience

I, TIMOTHY M. HELD, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF PORTAGE, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 6918-01-22-4.05, AMENDMENT NO. 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

12/13/2019
DATE

TIMOTHY M. HELD
AGENT FOR KL ENGINEERING, INC.
P.L.S. NUMBER 2591

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF PORTAGE.

RICK DODD, MAYOR

WISCONSIN
TIMOTHY M. HELD
S-2591
MADISON, WI
LAND SURVEYOR

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\RW\040101-RP 4.05 AMENDMENT 1.DWG
PLOT DATE : 12/13/2019 10:09 AM
PLOT BY :
PLOT NAME : KL ENGINEERING
PLOT SCALE : 1 IN:100 FT
APPRAISAL PLAT DATE : DECEMBER 13, 2019

TRANSPORTATION PROJECT PLAT NO: 6918-01-22 - 4.05, AMENDMENT NO. 1

RELOCATION ORDER USH 51 CITY OF PORTAGE, WISCONSIN & DEWITT STREETS (ONTARIO STREET - EAST PLEASANT STREET)

R/W Course Table		
COURSE	BEARING	DISTANCE
500-501	S24° 44' 46"W	41.00'
501-502	S65° 13' 42"E	150.66'
502-503	S65° 13' 42"E	25.00'
503-504	S65° 13' 42"E	115.32'
504-505	N88° 32' 27"E	38.46'
505-506	N24° 45' 03"E	44.00'
506-507	S46° 28' 56"E	105.62'
507-508	S24° 45' 03"W	9.00'
508-509	S37° 42' 52"E	38.82'
509-510	S65° 20' 11"E	290.40'
510-511	S72° 14' 45"E	66.50'
511-512	S24° 46' 36"W	8.00'
512-513	S65° 20' 11"E	150.54'
513-514	S65° 20' 11"E	25.00'
514-515	S65° 20' 11"E	149.50'
515-516	N24° 46' 36"E	17.00'
516-517	S72° 14' 57"E	66.50'
517-518	S24° 46' 36"W	25.00'
518-519	S51° 19' 09"W	73.85'
519-520	N65° 20' 11"W	779.49'
520-521	N65° 13' 42"W	394.84'
521-501	N24° 44' 46"E	66.00'

R/W Station & Offset Table		
Point No.	Station	Offset
500	132+83.99'WS'	76.00'
501	132+84.01'WS'	35.00'
502	134+34.68'WS'	35.00'
503	134+59.68'WS'	35.00'
504	135+75.00'WS'	35.00'
505	136+09.50'WS'	52.00'
506	136+09.48'WS'	96.00'
507	137+09.61'WS'	62.00'
508	137+09.60'WS'	53.00'
509	137+44.00'WS'	35.00'
510	140+34.40'WS'	35.00'
511	141+00.42'WS'	43.00'
512	141+00.40'WS'	35.00'
513	142+50.94'WS'	35.00'
514	142+75.94'WS'	35.00'
515	144+25.44'WS'	35.00'
516	144+25.47'WS'	52.00'
517	144+91.49'WS'	60.00'
518	144+91.44'WS'	35.00'
519	144+58.31'WS'	31.00'
520	136+78.85'WS'	31.00'
521	132+84.04'WS'	31.00'

PLE/TLE Station & Offset Table		
Point No.	Station	Offset
T121	132+90.99'WS'	76.00'
T122	132+98.00'WS'	43.00'
T123	134+34.68'WS'	43.00'
T124	134+59.68'WS'	42.00'
T125	135+74.00'WS'	42.00'
T126	136+02.50'WS'	59.00'
T127	136+02.48'WS'	96.00'
T128	137+44.00'WS'	40.00'
T129	140+34.41'WS'	40.00'
T130	141+13.00'WS'	40.00'
T131	142+50.95'WS'	40.00'
T132	142+75.95'WS'	45.00'
T133	144+17.62'WS'	45.00'
P11	144+58.29'WS'	40.00'
P12	139+70.00'WS'	40.00'
P13	136+79.04'WS'	51.00'
P14	136+79.00'WS'	89.06'
P15	135+00.00'WS'	87.19'
P16	133+00.00'WS'	40.00'
P17	132+84.05'WS'	40.00'

PLE COURSE TABLE			
FROM POINT	TO POINT	BEARING	DISTANCE
519	P11	S24° 46' 36"W	9.00'
P11	P12	N65° 20' 11"W	488.29'
P12	P13	N67° 30' 06"W	291.16'
P13	P14	S24° 43' 43"W	38.06'
P14	P15	N64° 56' 47"W	379.17'
P15	P16	N24° 46' 07"E	47.19'
P16	P17	N65° 13' 42"W	15.95'
P17	521	N24° 44' 46"E	9.00'
521	520	S65° 13' 42"E	394.84'
520	519	S65° 20' 11"E	779.49'

4

PROJECT NUMBER 6918-01-22-4.05, AMEND NO 1
SHEET 2 OF 2

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\RW\040101-RP 4.05 AMENDMENT 1.DWG
APPRAISAL PLAT DATE : DECEMBER 13, 2019

PLOT DATE : 12/13/2019 9:37 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

6918-01-22 4.05, AMEND. 1

TRANSPORTATION PROJECT PLAT NO: 6918-01-22 - 4.06, AMENDMENT NO. 1

AMENDS PARCEL 4, ADDS PARCEL 24 AND REMOVES PARCELS 51 AND 52 OF TRANSPORTATION PROJECT PLAT 6918-01-22 - 4.06, RECORDED AS DOCUMENT 911428 IN THE OFFICE OF THE REGISTER OF DEEDS IN COLUMBIA COUNTY, WISCONSIN.

THAT PART OF LOTS 3 AND 4, CERTIFIED SURVEY MAP NUMBER 5166 RECORDED IN VOLUME 36 OF CERTIFIED SURVEYS ON PAGE 97 AS DOCUMENT NUMBER 811981 COLUMBIA COUNTY REGISTER OF DEEDS, LOT 7, BLOCK 15 LOTS 1 AND 2, BLOCK 16 AND LOTS 1, 2, 9, 10 AND VACATED ALLEY, BLOCK 19 OF WEBB AND BRONSON'S PLAT OF THE TOWN OF FORT WINNEBAGO; ALSO THAT PART OF VACATED ONTARIO STREET AND VACATED ERIE STREET ALL LOCATED IN GRIGNON'S FRENCH CLAIM NO. 21, CITY OF PORTAGE, COLUMBIA COUNTY, WISCONSIN.

RELOCATION ORDER USH 51 CITY OF PORTAGE, WISCONSIN & DEWITT STREETS (ONTARIO STREET - EAST PLEASANT STREET)

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF PORTAGE DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, CITY OF PORTAGE 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 PORTAGE, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6918-01-22-4.06
SHEET 1 OF 2
AMENDMENT NO: 1

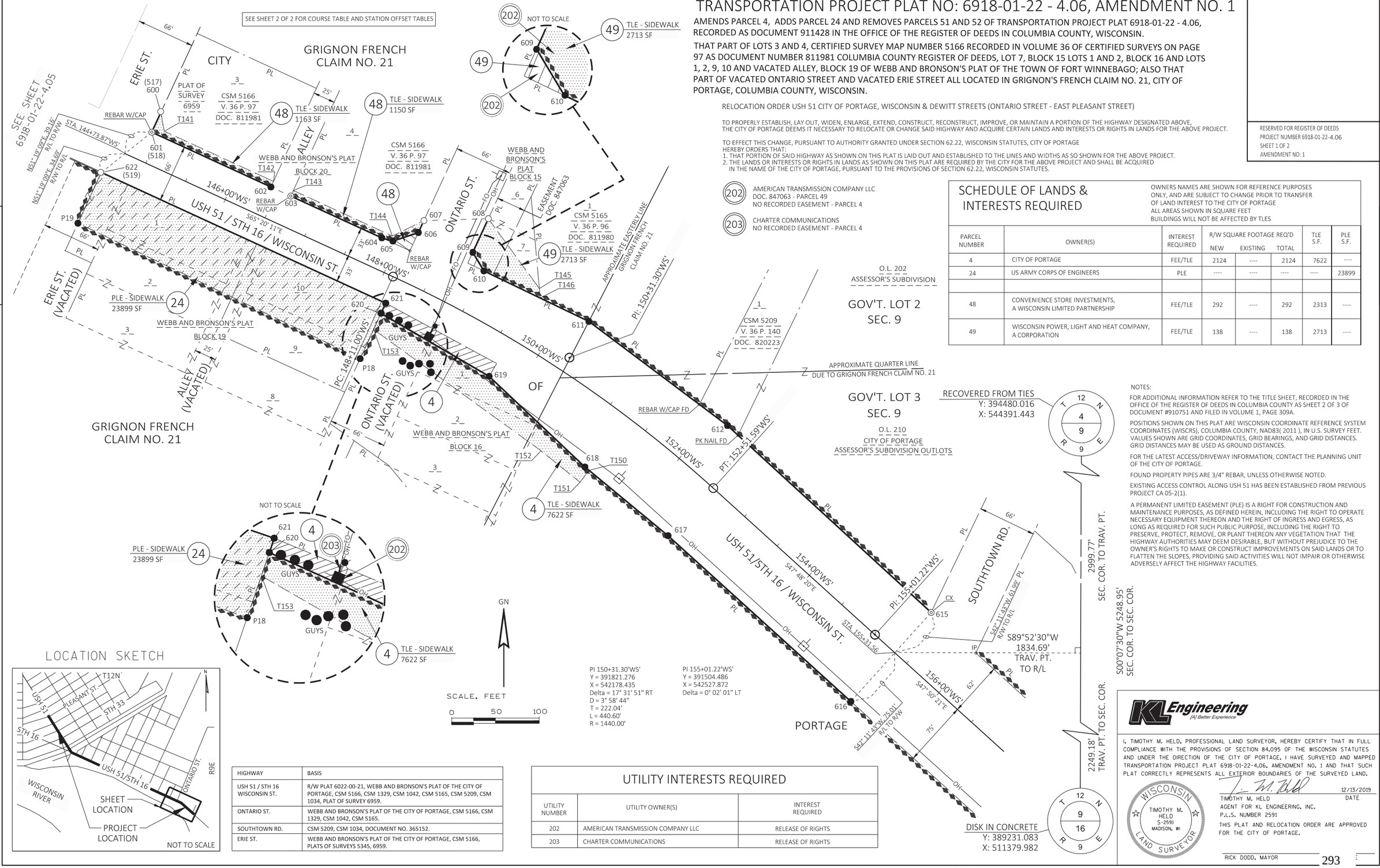
(202) AMERICAN TRANSMISSION COMPANY LLC
DOC. 847063 - PARCEL 49
NO RECORDED EASEMENT - PARCEL 4

(203) CHARTER COMMUNICATIONS
NO RECORDED EASEMENT - PARCEL 4

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTEREST TO THE CITY OF PORTAGE
ALL AREAS SHOWN IN SQUARE FEET
BUILDINGS WILL NOT BE AFFECTED BY TLES

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQUARE FOOTAGE REQ'D NEW	EXISTING	TOTAL	TLE S.F.	PLE S.F.
4	CITY OF PORTAGE	FEE/TLE	2124	----	2124	7622	----
24	US ARMY CORPS OF ENGINEERS	PLE	----	----	----	----	23899
48	CONVENIENCE STORE INVESTMENTS, A WISCONSIN LIMITED PARTNERSHIP	FEE/TLE	292	----	292	2313	----
49	WISCONSIN POWER, LIGHT AND HEAT COMPANY, A CORPORATION	FEE/TLE	138	----	138	2713	----



LOCATION SKETCH

HIGHWAY	BASIS
USH 51 / STH 16 WISCONSIN ST.	R/W PLAT 6022-00-21, WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, CSM 5166, CSM 1329, CSM 1042, CSM 5165, CSM 5209, CSM 1034, PLAT OF SURVEY 6959.
ONTARIO ST.	WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, CSM 5166, CSM 1329, CSM 1042, CSM 5165.
SOUTHTOWN RD.	CSM 5209, CSM 1034, DOCUMENT NO. 365152.
ERIE ST.	WEBB AND BRONSON'S PLAT OF THE CITY OF PORTAGE, CSM 5166, PLATS OF SURVEYS 5345, 6959.

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
202	AMERICAN TRANSMISSION COMPANY LLC	RELEASE OF RIGHTS
203	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS

NOTES:

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN COLUMBIA COUNTY AS SHEET 2 OF 3 OF DOCUMENT #910751 AND FILED IN VOLUME 1, PAGE 309A.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), COLUMBIA 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.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE CITY OF PORTAGE.

FOUND PROPERTY PIPES ARE 3/4" REBAR, UNLESS OTHERWISE NOTED.

EXISTING ACCESS CONTROL ALONG USH 51 HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT CA 05-2(1).

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

KL Engineering [A] Better Experience

I, TIMOTHY M. HELD, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF PORTAGE, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 6918-01-22-4.06, AMENDMENT NO. 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN TIMOTHY M. HELD S-2591 MADISON, WI LAND SURVEYOR

12/13/2019
TIMOTHY M. HELD — DATE
AGENT FOR KL ENGINEERING, INC.
P.L.S. NUMBER 2591

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF PORTAGE.

RICK DODD, MAYOR

293

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\RW\040101-RP 4.06 AMENDMENT 1.DWG
PLOT DATE : 12/13/2019 9:37 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
APPRAISAL PLAT DATE : DECEMBER 13, 2019

TRANSPORTATION PROJECT PLAT NO: 6918-01-22 - 4.06, AMENDMENT NO. 1

RELOCATION ORDER USH 51 CITY OF PORTAGE, WISCONSIN & DEWITT STREETS (ONTARIO STREET - EAST PLEASANT STREET)

4

4

R/W Course Table		
COURSE	BEARING	DISTANCE
600-601	S24° 46' 36"W	25.00'
601-602	S65° 20' 11"E	149.96'
602-603	S65° 20' 11"E	25.00'
603-604	S65° 20' 11"E	114.61'
604-605	S74° 05' 08"E	13.15'
605-606	N71° 31' 18"E	30.70'
606-607	N24° 47' 01"E	15.00'
607-608	S88° 14' 32"E	73.78'
608-609	S24° 47' 01"W	42.51'
609-610	S30° 57' 41"E	24.66'
610-611	S64° 19' 20"E	133.24'
611-612	S53° 05' 31"E	198.31'
612-615	S47° 26' 41"E	315.97'
615-616	S42° 11' 43"W	137.00'
616-617	N47° 48' 17"W	281.78'
617-618	N50° 24' 34"W	123.38'
618-619	N46° 35' 34"W	150.75'
619-620	N59° 42' 05"W	143.05'
620-621	N24° 47' 01"E	12.60'
621-622	N65° 20' 11"W	357.90'
622-601	N51° 19' 09"E	73.85'

R/W Station & Offset Table		
Point No.	Station	Offset
600	144+91.49'WS'	60.00'
601	144+91.44'WS'	35.00'
602	146+41.40'WS'	35.00'
603	146+66.40'WS'	35.00'
604	147+81.00'WS'	35.00'
605	147+94.00'WS'	37.00'
606	148+16.19'WS'	58.00'
607	148+16.17'WS'	73.00'
608	148+77.56'WS'	107.47'
609	148+79.35'WS'	65.00'
610	148+99.61'WS'	52.21'
611	150+27.23'WS'	63.95'
612	152+17.21'WS'	64.43'
615	155+31.68'WS'	61.99'
616	155+31.60'WS'	75.01'
617	152+49.77'WS'	74.99'
618	151+19.58'WS'	74.86'
619	149+64.12'WS'	49.79'
620	148+16.35'WS'	43.59'
621	148+16.33'WS'	31.00'
622	144+58.31'WS'	31.00'

PLE/TLE Station & Offset Table		
Point No.	Station	Offset
T141	145+04.00'WS'	42.00'
T142	146+41.41'WS'	42.00'
T143	146+66.41'WS'	42.00'
T144	147+91.00'WS'	42.00'
T145	149+62.23'WS'	65.81'
T146	149+68.32'WS'	57.04'
T150	151+26.00'WS'	75.13'
T151	151+26.00'WS'	92.19'
T152	150+65.00'WS'	89.29'
T153	148+20.04'WS'	64.74'
P18	148+16.45'WS'	100.81'
P19	144+58.18'WS'	94.73'

PLE COURSE TABLE			
FROM POINT	TO POINT	BEARING	DISTANCE
621	P18	S24° 47' 01"W	69.82'
P18	P19	N64° 21' 42"W	357.93'
P19	622	N24° 46' 36"E	63.73'
622	621	S65° 20' 11"E	357.90'

PROJECT NUMBER 6918-01-22-4.06, AMEND NO 1
SHEET 2 OF 2

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\RW\040101-RP 4.06 AMENDMENT 1.DWG
APPRAISAL PLAT DATE : DECEMBER 13, 2019

PLOT DATE : 12/13/2019 9:36 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

6918-01-22 4.06, AMEND. 1

EQU. STA 538+00 'DE'=
STA 102+97.00 'WI'

CAUTION

WISCONSIN STREET

USH 51 / STH 16

IVERSON, GREGORY J.
IVERSON JULIE A.

539+00DE

REMOVE LIGHT

REMOVE EXISTING SIGN STRUCTURE AND BASE

SLOPE INTERCEPT (TYP.)

ALLIANT ENERGY (ELECTRIC)

CITY OF PORTAGE (LIGHTING)

EDGEWATER ST

REMOVE LANDSCAPING

EXISTING TREE TO REMAIN (SEE TREE PROTECTION DETAIL)

ALLIANT ENERGY (GAS)

REMOVE ACCESS (TYP.)

CITY OF PORTAGE (SANITARY)

CITY OF PORTAGE WATER)

IVERSON, GREGORY J.
IVERSON JULIE A.

SLOPE INTERCEPT (TYP.)

CITY OF PORTAGE (LIGHTING)

DEWITT RENTALS LLC

NOLAN, STEPHANIE

EXISTING STEPS TO REMAIN

ALLIANT ENERGY (ELECTRIC)
FRONTIER (AERIAL)

541+00DE

540+00DE

DEWITT STREET

CITY OF PORTAGE (STORM)

CENTRAL WISCONSIN COMMUNITY ACTION COUNCIL INC.

FORT WINNEBAGO LODGE #33

HOSKINS, BETH;
HOSKINS, JOLENE J

HARDELL, RANDY J

EXISTING STEPS TO REMAIN

END CONSTRUCTION
STA 10+70.00 'EE'

WHPC-PHOENIX-PORTAGE LLC

CITY OF PORTAGE (SANITARY)

ALLIANT ENERGY (GAS)

CITY OF PORTAGE (STORM)

CITY OF PORTAGE (WATER)

542+00DE

543+00DE

EXISTING STEPS TO REMAIN

CITY OF PORTAGE (LIGHTING)

PAULAS PLACE, LLC

SIDEWALK VAULT CLOSURE (SEE DETAIL)

UNFORGETTABLES LLC

MATCH EXISTING
STA 542+12.03 'DE'

BENCH MARKS

NO.	STATION	O/S	DESCRIPTION	ELEV.
BM16	543+31.63DE	58.4'LT	CUT "X" NW FLANGE BOLT HYD	807.79

SWISS ECKE, LLC.

MATCH LINE STA 544+00 'DE'

CITY OF PORTAGE (LIGHTING)

CITY OF PORTAGE (SANITARY)

CITY OF PORTAGE (WATER)

510 COOK STREET

BODIEN, MARY A

MATCH EXISTING
STA 543+79.34 'DE'

BELLMORE, ELZABETH;
BELLMORE, MARK A

X TREE CLEARING AND GRUBBING

VCL = 60.00
K = 42.46

VCL = 220.00
K = 130.76

EXISTING R/L PROFILE

PROPSED R/L PROFILE

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

STA 538+28.35
EL 794.03

STA 538+55.00
EL 794.39
VPC STA 538+65.00
VPC EL 794.64

VPI STA 538+95.00
VPI EL 795.39

VPT STA 539+25.00DE
VPT EL 796.57

VPC STA 539+30.00DE
VPC EL 796.76

VPI STA 540+40.00DE
VPI EL 801.07

VPT STA 541+50.00DE
VPT EL 803.52

STA 542+12.03
EL 804.90

STA 543+79.34
EL 807.60

1.37%
2.50%
3.91%
2.23%

800
793

538 539 540 541 542 543 544

793.98 795.21 794.32 796.44 795.66 797.93 797.53 799.50 799.31 801.10 800.91 802.55 802.31 803.75 803.52 804.69 804.64 805.44 806.15 807.01 808.07

PROJECT NO: 6918-01-02	HWY: USH 51	COUNTY: COLUMBIA	PLAN AND PROFILE: DEWITT ST	SHEET E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (DEWITT).DWG
LAYOUT NAME - SHEET - (1)
PLOT DATE : 7/22/2020 11:49 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

BENCH MARKS

NO.	STATION	O/S	DESCRIPTION	ELEV.
BM17	546+54.97DE	25.9'LT	CUT "X" E FLANGE BOLT HYD	814.11
BM18	549+73.53DE	22.5'LT	CUT "X" SW FLANGE BOLT HYD	813.66

MATCH LINE STA 544+00 'DE'

PORTAGE, CITY OF

HEINZEL, RANDALL L

ZIEGLER, ZACHERY L

COOK FAMILY TRUST LLC

JUSTME PROPERTIES LLC

SLOPE INTERCEPT (TYP.)

CITY OF PORTAGE (LIGHTING)

ALLIANT ENERGY (GAS)

TLE

R/W

CITY OF PORTAGE (SANITARY)

545+00DE

546+00DE

CAUTION

CHARTER

FRONTIER

ALLIANT ENERGY (ELECTRIC)

CITY OF PORTAGE (STORM)

END CONSTRUCTION
STA 14+25 'CO'
MATCH EXISTING
SAW CUT REQUIRED

BNC LLC

MCSORLEY, LLC

WARNKE, MONIQUE E

CONANT STREET

BEGIN CONSTRUCTION
STA 13+10 'CO'
MATCH EXISTING
SAWCUT REQUIRED

REMOVE LANDSCAPING

SIGN

BM17

CITY OF PORTAGE (LIGHTING)

EXISTING SIGN TO REMAIN

SUKHCHAIN-ANNA, LLC

COLUMBIA COUNTY

SLOPE INTERCEPT (TYP.)

EXISTING WALL AND LANDSCAPING TO REMAIN

547+00DE

548+00DE

DEWITT STREET

CITY OF PORTAGE (WATER)

ALLIANT ENERGY (GAS)

COLUMBIA COUNTY (FO)

GEODETIC MARKER TO REMAIN
DO NOT DISTURB

END CONSTRUCTION
STA 20+43.89 'EP'

EXISTING SIGN TO REMAIN

END CONSTRUCTION
STA 549+75 'DE'
MATCH EXISTING
STA 549+14.5 'DE'

COLUMBIA COUNTY

BEGIN CONSTRUCTION
STA 12+22.66 'WP'

CITY OF PORTAGE (SANITARY)

EXISTING TREE TO REMAIN (SEE TREE PROTECTION DETAIL)

TREE ROOT CUTTING (REQUIRED)

W. PLEASANT STREET

EXISTING WALL TO REMAIN

MEIER, JAMES R

549+00DE

550+0

CITY OF PORTAGE (STORM)

EXISTING FENCE TO REMAIN

CITY OF PORTAGE (WATER)

E. PLEASANT STREET

CAVANAUGH, BURT W
CAVANAUGH, MARLENA

5

5

X TREE CLEARING AND GRUBBING

820

810

805

544

545

546

547

548

549

55

VPC STA 545+78.00DE
VPC EL 811.51

VPI STA 546+23.00DE
VPI EL 812.40

VPT STA 546+68.00DE
VPT EL 812.66

VPC STA 547+18.00DE
VPC EL 812.96

VPI STA 547+68.00DE
VPI EL 813.25

VPT STA 548+18.00DE
VPT EL 813.00

VPC STA 548+85.00DE
VPC EL 812.66

VPI STA 549+30.00DE
VPI EL 812.44

VPT STA 549+75.00DE
VPT EL 811.23

EXISTING R/L PROFILE

PROPSED R/L PROFILE

1.97%

0.59%

-0.50%

VCL = 90.00
K = 64.97

VCL = 100.00
K = 92.07

VCL = 90.00
K = 41.03

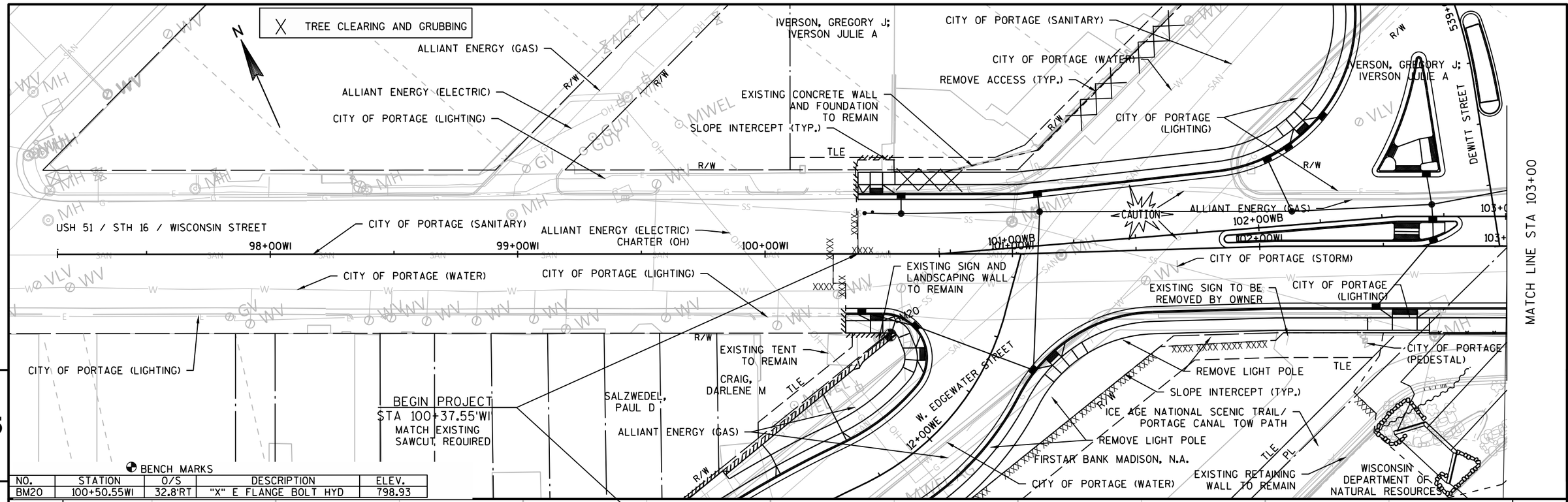
EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

808.07	808.00	809.12	808.99	810.15	809.97	811.20	810.96	812.01	811.91	812.70	812.53	812.90	812.85	813.13	813.09	813.06	813.07	812.91	812.84	812.45	812.56	811.77	811.82	810.69

PROJECT NO: 6918-01-02	HWY: USH 51	COUNTY: COLUMBIA	PLAN AND PROFILE: DEWITT ST	SHEET	E

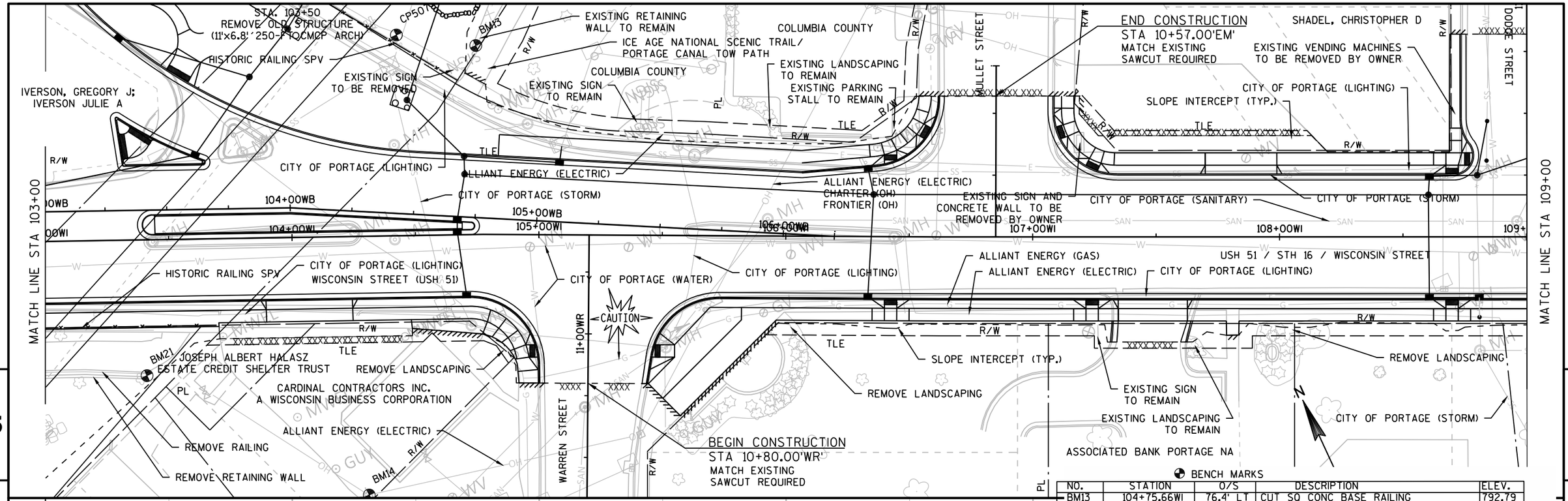
FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (DEWITT).DWG
LAYOUT NAME - SHEET - (2)
PLOT DATE : 7/22/2020 11:49 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN AND PROFILE: WISCONSIN STREET	SHEET	E

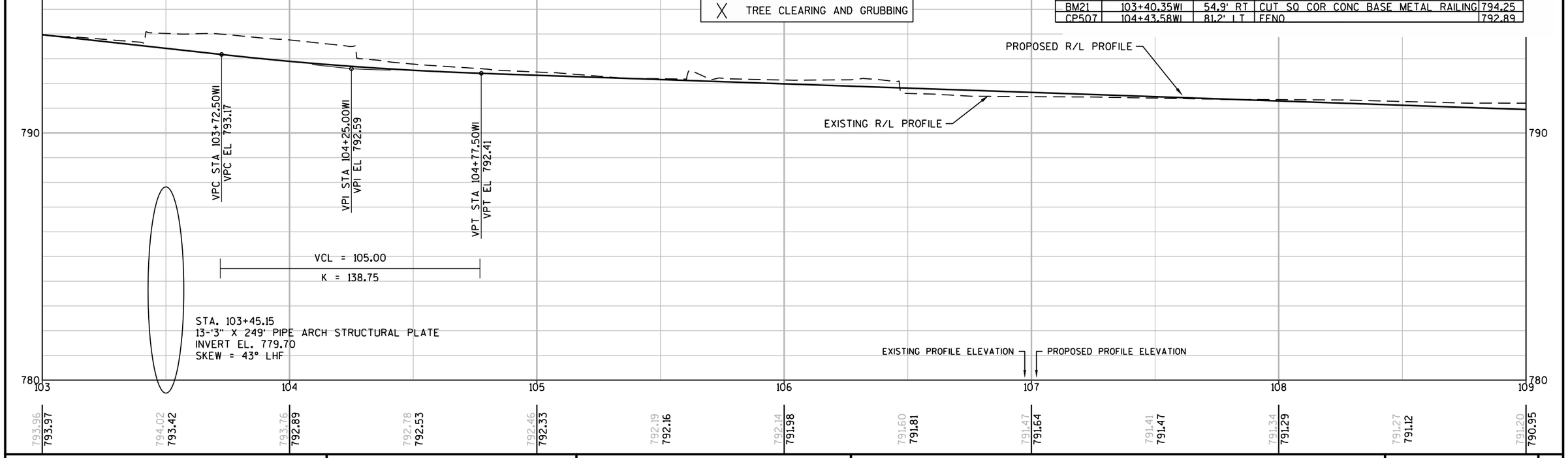
FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (WI).DWG
LAYOUT NAME - SHEET - (22)

PLOT DATE : 7/22/2020 11:56 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT



BENCH MARKS

NO.	STATION	O/S	DESCRIPTION	ELEV.
BM13	104+75.66WI	76.4' LT	CUT SQ CONC BASE RAILING	792.79
BM14	104+29.60WI	104.6' RT	RR SPIKE PPOL 312-9-8.1 33/40	791.61
BM21	103+40.35WI	54.9' RT	CUT SQ COR CONC BASE METAL RAILING	794.25
CP507	104+43.58WI	81.2' LT	FFNO	792.89



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN AND PROFILE: WISCONSIN STREET	SHEET 298	E

END CONSTRUCTION
STA 10+82.00'DS'
MATCH EXISTING
SAWCUT REQUIRED

DODGE STREET

ALLIANT ENERGY (ELECTRIC)

FISCHER,
TIMOTHY M

COCHRANE INVESTMENTS LLC,
A WISCONSIN LIMITED LIABILITY COMPANY

HAMELE FAMILY
INVESTMENTS LLC

HAMELE FAMILY
INVESTMENTS LLC

PAUQUETTE
STREET

END CONSTRUCTION
STA 10+55.00'PS'
MATCH EXISTING
SAWCUT REQUIRED

401 EAST WISCONSIN
STREET PORTAGE WI LLC

401 EAST WISCONSIN
STREET PORTAGE WI LLC

MATCH LINE STA 109+00

MATCH LINE STA 115+00

EXISTING SIGN TO BE
REMOVED BY OWNER

EXISTING SIGN
TO REMAIN

EXISTING LANDSCAPING
TO REMAIN

REMOVE LANDSCAPING

EXISTING LANDSCAPING
TO REMAIN

SLOPE INTERCEPT (TYP.)

EXISTING TREE
TO REMAIN (SEE TREE
PROTECTION
DETAIL)

EXISTING SIGN
TO REMAIN

ALLIANT ENERGY (ELECTRIC)
CHARTER (OH)
FRONTIER (OH)

CITY OF PORTAGE (SANITARY)

CITY OF PORTAGE (LIGHTING)

EXISTING SIGN TO REMAIN
REMOVE EXISTING SIGN
STRUCTURE AND CONCRETE BASE

110+00WI

111+00WI

112+00WI

113+00WI

114+00WI

115+

ALLIANT ENERGY (GAS)

CAUTION

CITY OF PORTAGE (LIGHTING)

USH 51 / STH 16 / WISCONSIN STREET

CITY OF PORTAGE (STORM)

CITY OF PORTAGE (WATER)

BM11

CP506

BM12

CITY OF PORTAGE (STORM)

REMOVE LANDSCAPING

EXISTING SIGN
TO BE REMOVED

EXISTING CONCRETE
PILLAR TO REMAIN

SIDEWALK CONNECTION
TO BE REMOVED

SLOPE INTERCEPT (TYP.)

EXISTING TREE
TO REMAIN (SEE TREE
PROTECTION DETAIL)

EXISTING CONCRETE
VAULT TO BE REMOVED

EXISTING CONCRETE
PILLAR TO REMAIN

ASSOCIATED BANK PORTAGE NA

BENCH MARKS

PROPOSED SIDEWALK CONNECTION
TO LEVEE TRAIL

CITY OF PORTAGE
(RIVERSIDE PARK)

CITY OF PORTAGE
(RIVERSIDE PARK)

X TREE CLEARING AND GRUBBING

NO.	STATION	O/S	DESCRIPTION	ELEV.
BM11	112+58.93WI	30.5' RT	CUT "X" N FLANGE BOLT HYD	792.64
BM12	109+27.69WI	38.6' RT	CUT "X" NE FLANGE BOLT HYD	793.68
CP506	112+87.85WI	29.7' RT	FENO	790.36

EXISTING R/L PROFILE

-0.35%

PROPOSED R/L PROFILE

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

790

780

109 110 111 112 113 114 115

791.20 790.95 | 791.09 790.77 | 790.88 790.60 | 790.69 790.43 | 790.50 790.25 | 790.36 790.08 | 790.20 789.91 | 790.00 789.73 | 789.85 789.56 | 789.76 789.39 | 789.58 789.21 | 789.38 789.04 | 789.28 788.87

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN AND PROFILE: WISCONSIN STREET	SHEET E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (WI).DWG
LAYOUT NAME - SHEET - (24)
PLOT DATE : 7/22/2020 11:56 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

401 EAST WISCONSIN STREET PORTAGE WI LLC

END CONSTRUCTION
STA. 10+77.00 'BS'
MATCH EXISTING SAWCUT REQUIRED

END CONSTRUCTION
STA. 10+50.00 'BR'
MATCH EXISTING SAWCUT REQUIRED

SCHOENBECK, BARRY A

JANAS, JOSEPH S

BRADY STREET

BROOKS STREET

ALLIANT ENERGY (GAS)

REMOVE ACCESS

SLOPE INTERCEPT (TYP.)

EXISTING FENCE TO REMAIN

REMOVE EXISTING SIGN STRUCTURE AND BASE

EXISTING SIGN TO REMAIN

EXISTING SIGN TO REMAIN
JANAS, JOSEPH S

BM9

BM10

TLE

R/W

PL

CAUTION

CITY OF PORTAGE (LIGHTING)

CITY OF PORTAGE (SANITARY)

CITY OF PORTAGE (STORM)

CITY OF PORTAGE (WATER)

EXISTING LIGHT TO REMAIN

MATCH LINE STA 115+00

MATCH LINE STA 121+00

115+00WI

116+00WI

117+00WI

118+00WI

119+00WI

120+00WI

USH 51 / STH 16 / WISCONSIN STREET

PLE

NOLL, WILLIAM N.

JHK INC.
A WISCONSIN CORPORATION

US ARMY CORPS

LEVEE TRAIL

EXISTING SIGN TO REMAIN

EXISTING SIGN TO BE REMOVED BY OWNER

EXISTING TREE TO REMAIN (SEE TREE PROTECTION DETAIL)

SLOPE INTERCEPT (TYP.)

N

BENCH MARKS

NO.	STATION	O/S	DESCRIPTION	ELEV.
BM9	120+51.72WI	41.5' LT	CUT "X" NE FLANGE BOLT HYD	791.37
BM10	117+04.34WI	54.5' LT	CUT "X" W FLANGE BOLT HYD	791.56

X TREE CLEARING AND GRUBBING

X TREE CLEARING AND GRUBBING

VCL = 120.00
K = 142.55

VCL = 120.00
K = 125.63

PROPOSED R/L PROFILE

EXISTING R/L PROFILE

0.50%

VPC STA 115+75.00WI
VPC EL 788.61

VPI STA 116+35.00WI
VPI EL 788.40

VPT STA 116+95.00WI
VPT EL 788.69

VPC STA 120+40.00WI
VPC EL 790.40

VPI STA 121+00.00WI
VPI EL 790.70

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

790

780

115 116 117 118 119 120 121

789.28	788.87	789.14	788.69	789.02	788.54	788.92	788.54	788.98	788.72	789.22	788.97	789.41	789.21	789.66	789.46	789.86	789.71	790.09	789.96	790.39	790.20	790.54	790.45	790.55	790.56

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN AND PROFILE: WISCONSIN STREET	SHEET 300	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (WI).DWG
LAYOUT NAME - SHEET - (25)

PLOT DATE : 7/22/2020 11:56 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

END CONSTRUCTION
STA. 10+60.00 'WS'
MATCH EXISTING
SAWCUT REQUIRED

LIBERTY KWIK STOP LLC
MILLER, BRUSSELL, EBBEN & GLASKE, LLC
SHADY LAWN MOTEL OF PORTAGE, LLC
WASHINGTON STREET
USH 51 / STH 16 / WISCONSIN STREET
US ARMY CORPS

EXISTING LIGHT POLE AND BOLLARDS TO REMAIN
REMOVE ACCESS (TYP.)
EXISTING SIGN TO REMAIN
EXISTING LIGHT POLE AND BOLLARDS TO REMAIN
CITY OF PORTAGE (WATER)
CITY OF PORTAGE (STORM)
CITY OF PORTAGE (SANITARY)
CITY OF PORTAGE (LIGHTING)
ALLIANT ENERGY (ELECTRIC)
SLOPE INTERCEPT (TYP.)
REMOVE LANDSCAPING
MSE RETAINING WALL (SEE DETAIL)
LEVEE TRAIL CONNECTION 1 (SEE PLAN & PROFILE)
EXISTING SIGN AND CONCRETE WALL TO BE REMOVED BY OWNER
LEVEE TRAIL
TREE CLEARING AND GRUBBING

MATCH LINE STA 121+00
MATCH LINE STA 127+00

122+00WI | 123+00WI | 124+00WI | 125+00WI | 126+00WI

BENCH MARKS

NO.	STATION	O/S	DESCRIPTION	ELEV.
BM8	124+90.32WI	43.8' LT	CUT "X" W FLANGE BOLT HYD	791.11
CP505	124+42.01WI	37.1' LT	FENO	788.86

VPT STA 121+60.00WI
VPT EL 790.42

VCL = 120.00
K = 125.34

EXISTING R/L PROFILE
PROPOSED R/L PROFILE

-0.46%
0.50%

VCL = 120.00
K = 125.63

VPC STA 124+40.00WI
VPC EL 789.14

VPI STA 125+00.00WI
VPI EL 788.86

VPT STA 125+60.00WI
VPT EL 789.16

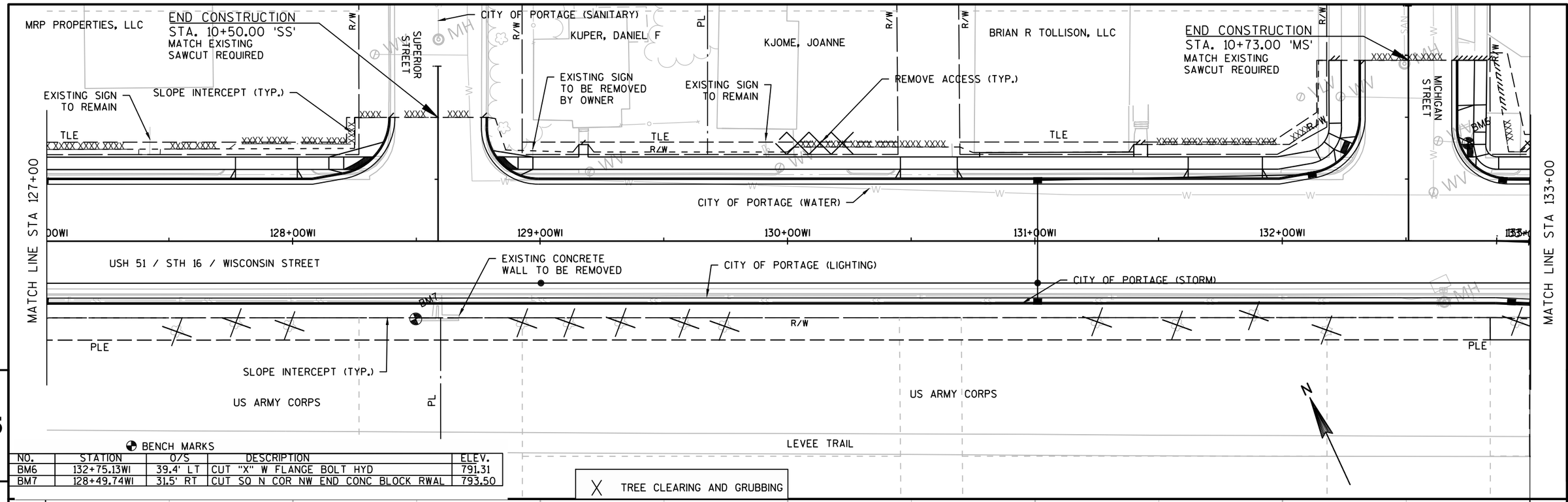
EXISTING PROFILE ELEVATION
PROPOSED PROFILE ELEVATION

790
780
121 | 122 | 123 | 124 | 125 | 126 | 127

790.55 790.56 | 790.44 790.47 | 790.32 790.24 | 790.17 790.01 | 789.99 789.78 | 789.77 789.55 | 789.63 789.32 | 789.57 789.09 | 789.53 789.00 | 789.68 789.11 | 789.82 789.36 | 789.94 789.61 | 790.09 789.85

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN AND PROFILE: WISCONSIN STREET	SHEET E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (WI).DWG
LAYOUT NAME - SHEET - (26)
PLOT DATE : 7/22/2020 11:56 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

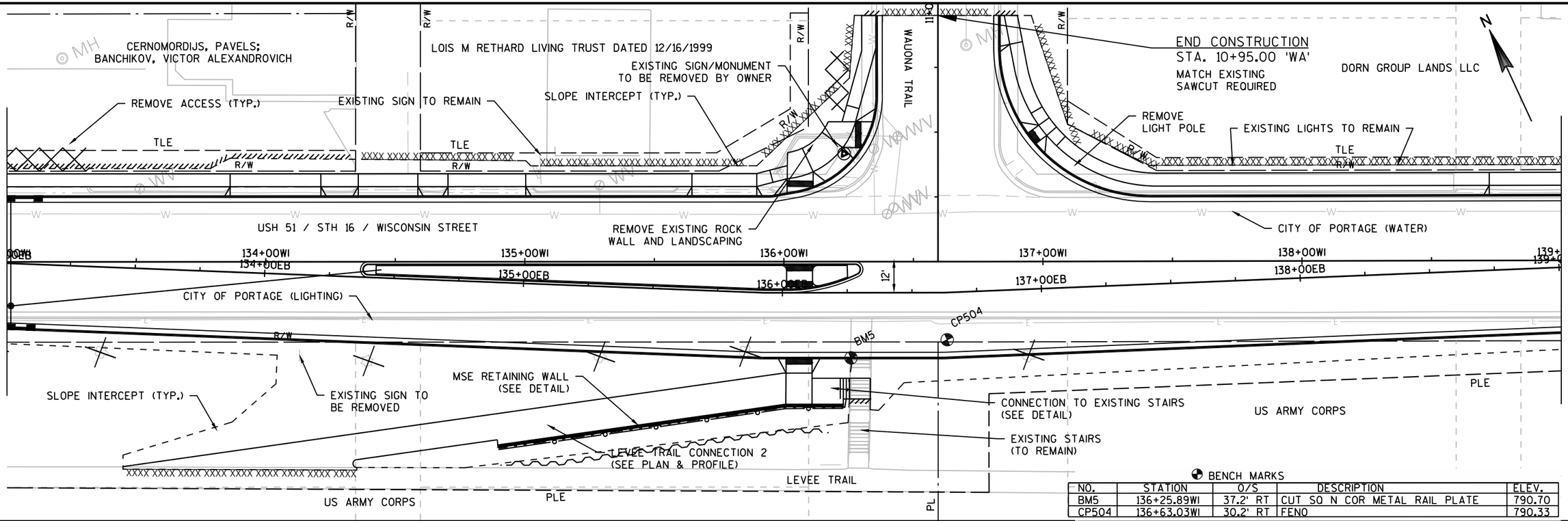


NO.	STATION	O/S	DESCRIPTION	ELEV.
BM6	132+75.13WI	39.4' LT	CUT "X" W FLANGE BOLT HYD	791.31
BM7	128+49.74WI	31.5' RT	CUT SQ N COR NW END CONC BLOCK RWAL	793.50

790.09	790.28	790.45	790.55	790.55	790.43	790.28	790.10	789.94	789.79	789.58	789.45	789.46
789.85	790.10	790.35	790.57	790.61	790.47	790.27	790.07	789.87	789.67	789.47	789.27	789.19

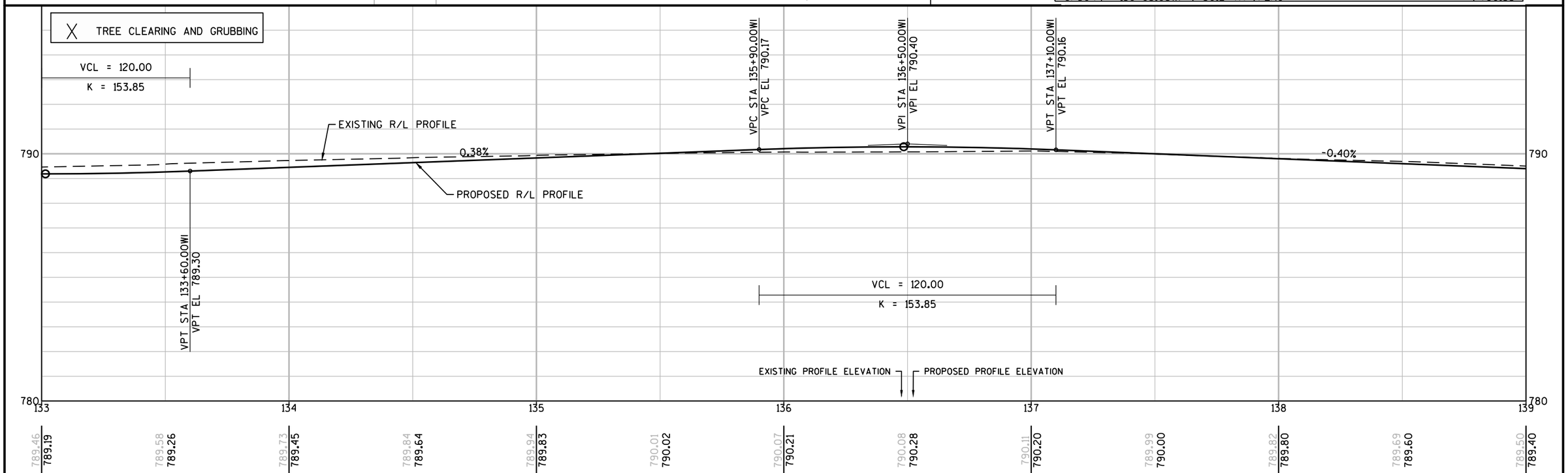
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN AND PROFILE: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (WI).DWG
LAYOUT NAME - SHEET - (27)
PLOT DATE : 7/22/2020 11:56 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



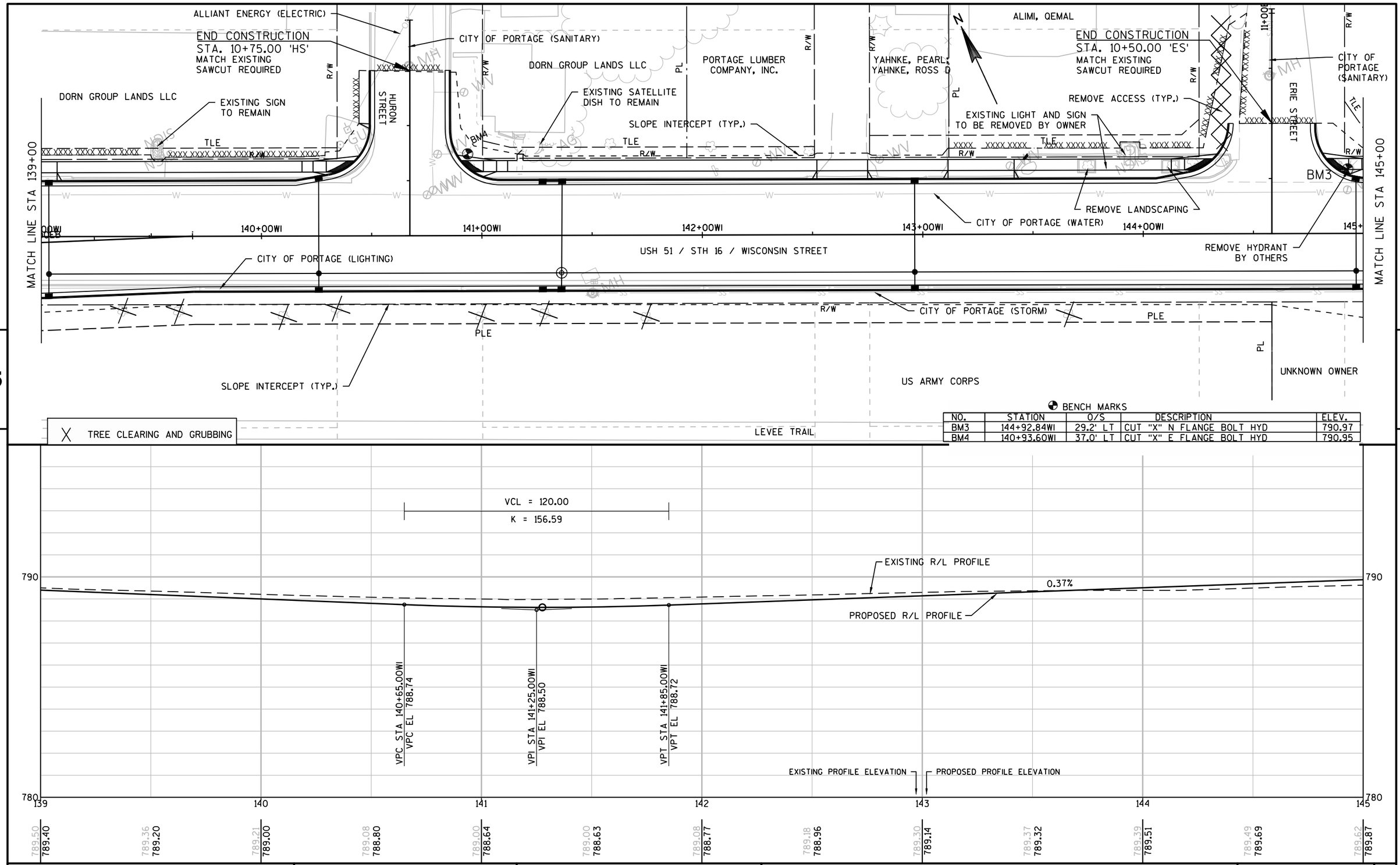
BENCH MARKS

NO.	STATION	O/S	DESCRIPTION	ELEV.
BM5	136+25.89WI	37.2' RT	CUT SQ N COR METAL RAIL PLATE	790.70
CP504	136+63.03WI	30.2' RT	FENO	790.33



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN AND PROFILE: WISCONSIN STREET	SHEET E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (WI).DWG
LAYOUT NAME - SHEET - (28)
PLOT DATE : 7/22/2020 11:57 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT



NO.	STATION	O/S	DESCRIPTION	ELEV.
BM3	144+92.84WI	29.2' LT	CUT "X" N FLANGE BOLT HYD	790.97
BM4	140+93.60WI	37.0' LT	CUT "X" E FLANGE BOLT HYD	790.95

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN AND PROFILE: WISCONSIN STREET	SHEET E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (WI).DWG
LAYOUT NAME - SHEET - (29)

PLOT DATE : 7/22/2020 11:57 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

BENCH MARKS

NO.	STATION	O/S	DESCRIPTION	ELEV.
BM2	148+22.99WI	33.3' LT	CUT "X" E FLANGE BOLT HYD	792.19
CP503	150+12.26WI	49.0' RT	FENO	788.02

END CONSTRUCTION
STA. 11+00.00 'OS'
MATCH EXISTING
SAWCUT REQUIRED

X TREE CLEARING AND GRUBBING

CONVENIENCE STORE INVESTMENTS

CONVENIENCE STORE INVESTMENTS

CITY OF PORTAGE (SANITARY)

ONTARIO STREET

WISCONSIN POWER, LIGHT AND HEAT COMPANY, A CORPORATION

TRECEK HOLDINGS LLC

EXISTING SIGN TO BE REMOVED BY OWNER

SLOPE INTERCEPT (TYP.)

MATCH LINE STA 145+00

MATCH LINE STA 151+00

CITY OF PORTAGE (WATER)

USH 51 / STH 16 / WISCONSIN STREET

EXISTING SIGN TO REMAIN

REMOVE HYDRANT BY OTHERS

CAUTION

CHARTER

ATC TRANSMISSION (ELECTRIC)
ALLIANT ENERGY (ELECTRIC)

ATC TRANSMISSION (ELECTRIC)
ALLIANT ENERGY (ELECTRIC)
CHARTER (OH)

CITY OF PORTAGE (LIGHTING)

CITY OF PORTAGE (STORM)

CITY OF PORTAGE (PEDESTAL)

LEVEE TRAIL CONNECTION 3 (SEE PLAN & PROFILE)

CITY OF PORTAGE

DELINEATED WETLAND (TYP.)

US ARMY CORPS

US ARMY CORPS

EXISTING TREE TO REMAIN (SEE TREE PROTECTION DETAIL)

STA 149+07 END FULL RECONSTRUCTION

EXISTING R/L PROFILE

PROPOSED R/L PROFILE

VCL = 120.00
K = 149.53

VCL = 120.00
K = 156.59

-0.40%

0.40%

VPC STA 145+40.00WI
VPC EL 790.02

VPI STA 146+00.00WI
VPI EL 790.24

VPT STA 146+60.00WI
VPT EL 790.00

VPC STA 147+40.00WI
VPC EL 789.68

VPI STA 148+00.00WI
VPI EL 789.44

VPT STA 148+60.00WI
VPT EL 789.68

EXISTING PROFILE ELEVATION

PROPOSED PROFILE ELEVATION

790 780

145 146 147 148 149 150 151

789.62	789.87	789.74	790.05	789.85	790.13	789.90	790.04	789.92	789.84	789.87	789.64	789.83	789.56	789.87	789.64	789.95	789.84	790.00	790.04	790.04	790.25	790.24	790.45	790.57	790.65

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN AND PROFILE: WISCONSIN STREET	SHEET E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (WI).DWG
LAYOUT NAME - SHEET - (30)

PLOT DATE : 7/22/2020 11:57 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

BENCH MARKS

NO.	STATION	O/S	DESCRIPTION	ELEV.
BM1	156+00.29WI	66.8' LT	RR SPIKE PPOL #12-9-9.3 17/47	790.56

SLOPE INTERCEPT (TYP.)

NOLL, WILLIAM

PL

PL

TRECEK HOLDINGS LLC

R/W

R/W

SOUTHTOWN ROAD

R/W

CITY OF PORTAGE (STORM)

BM1

R/W

N

MATCH LINE STA 151+00

USH 51 / STH 16 / WISCONSIN STREET

152+00WI

153+00WI

154+00WI

155+00WI

156+00WI

157+00WI

END PROJECT
STA 151+25.00
MATCH EXISTING
SAWCUT REQUIRED

ATC TRANSMISSION (ELECTRIC)
ALLIANT ENERGY (ELECTRIC)
CHARTER (OH)

DELINEATED WETLAND (TYP.)

GUY

TLE

CITY OF PORTAGE

R/W

TREE CLEARING AND GRUBBING

STA 151+25.71
EL 790.75

PROPOSED R/L PROFILE

EXISTING R/L PROFILE

PROPOSED PROFILE ELEVATION

EXISTING PROFILE ELEVATION

790

780

151 152 153 154 155 156 157

790.57 790.65 790.88 791.10 791.25 791.33 791.30 791.19 791.06 790.95 790.89 790.85 790.73 790.67

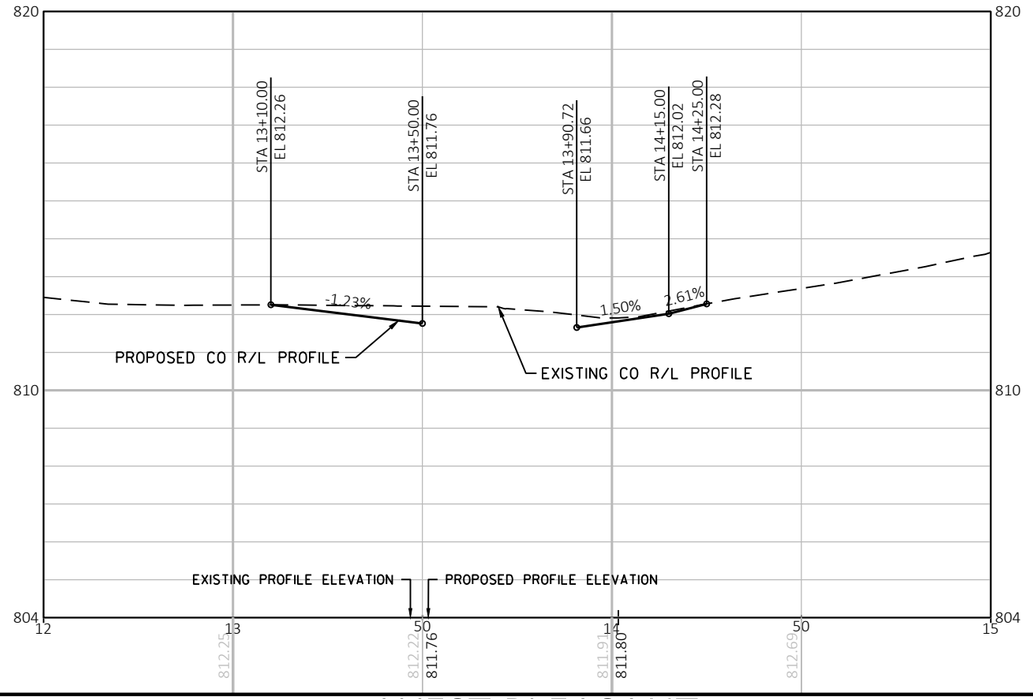
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN AND PROFILE: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (WI).DWG
LAYOUT NAME - SHEET - (31)

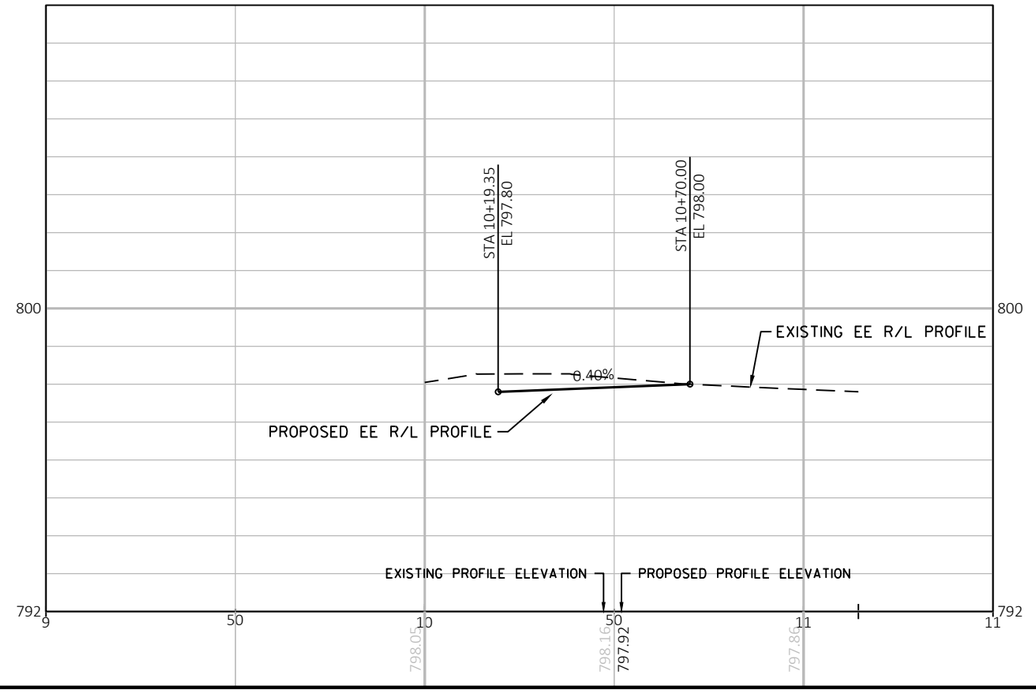
PLOT DATE : 7/22/2020 11:57 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

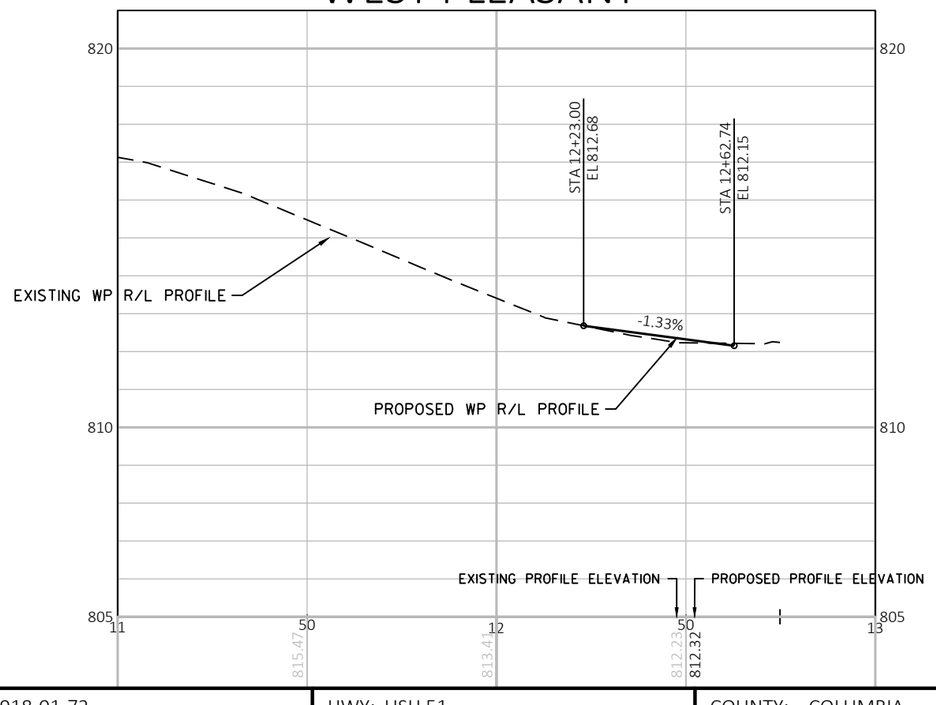
CONANT



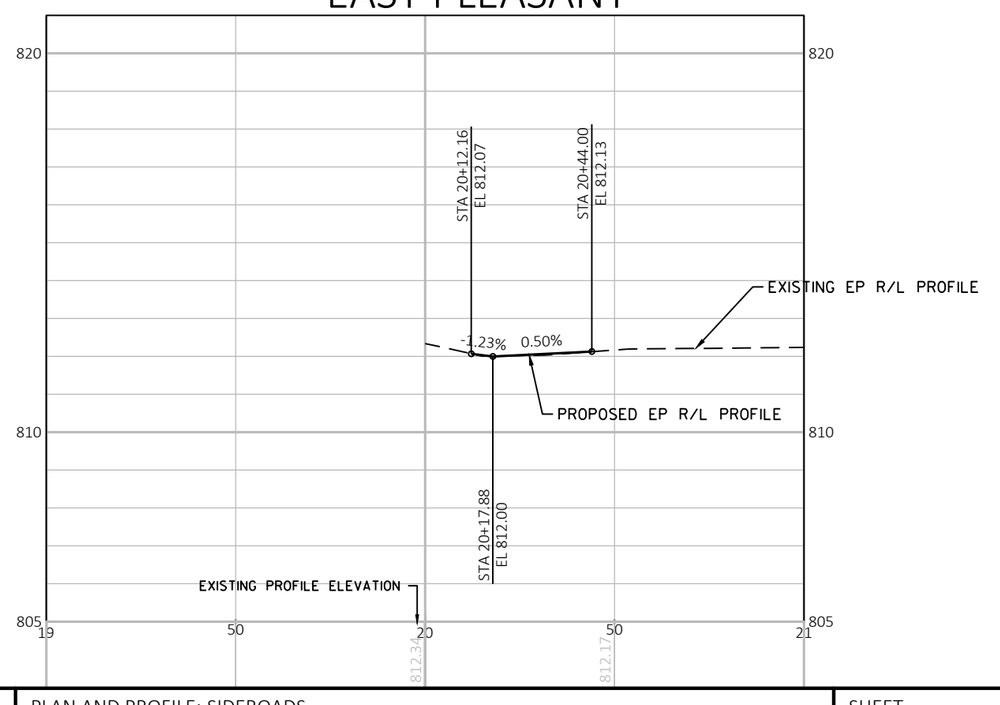
E. EDGEWATER



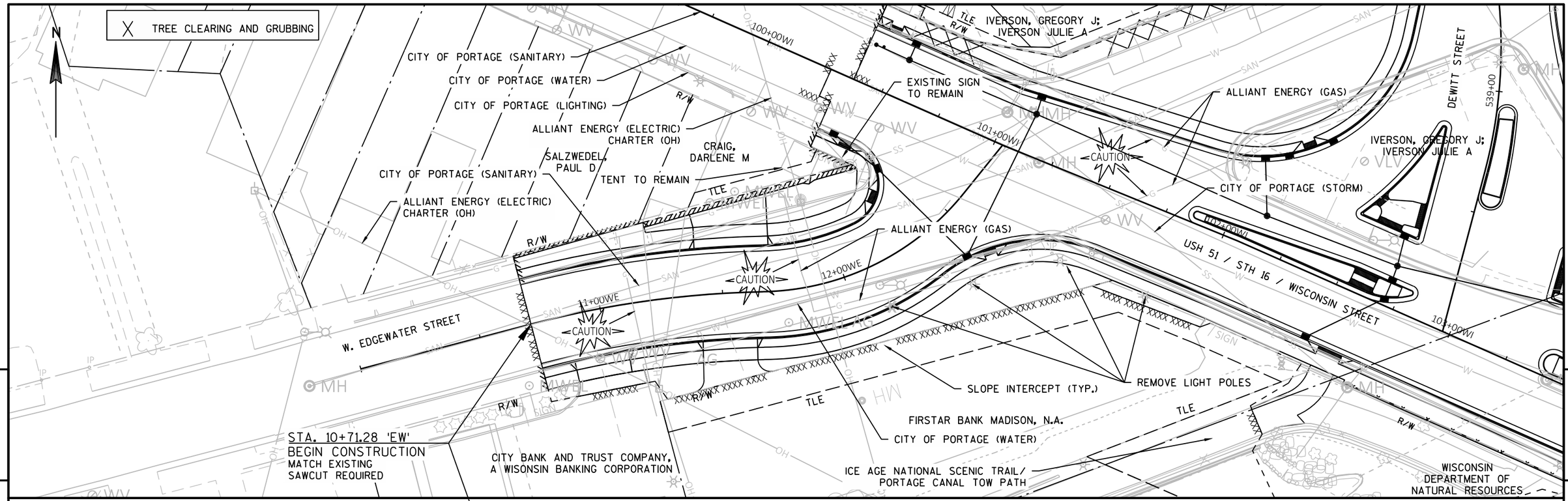
WEST PLEASANT



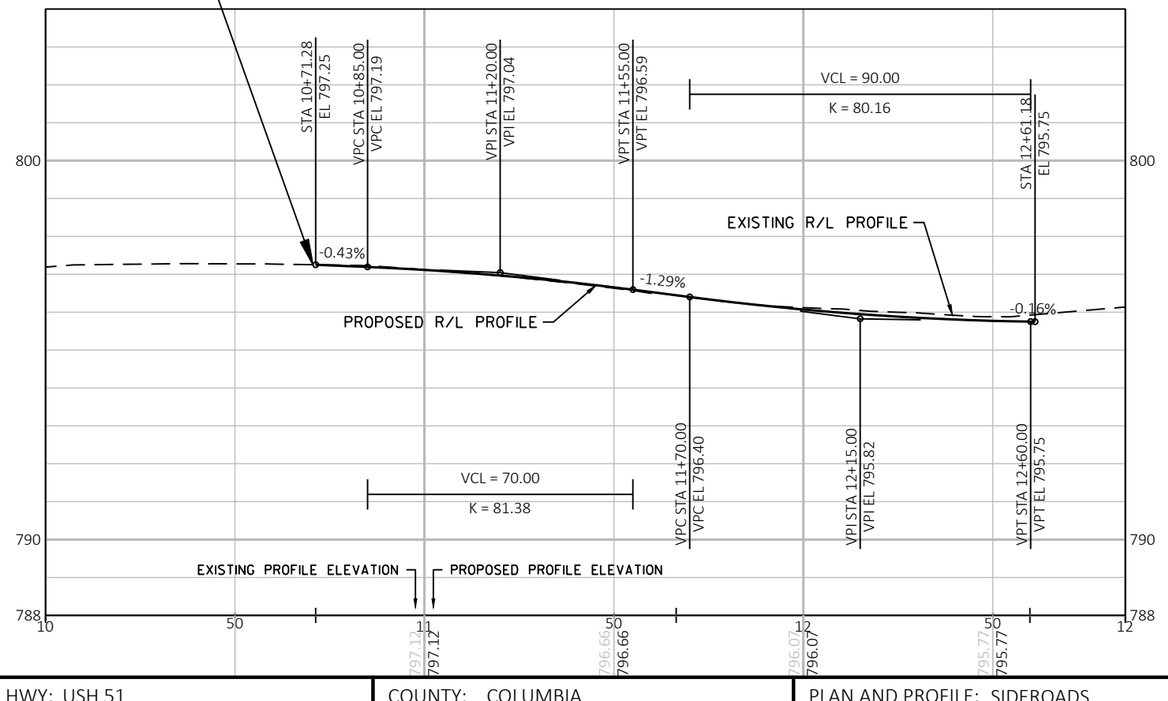
EAST PLEASANT



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN AND PROFILE: SIDEROADS	SHEET 307 E

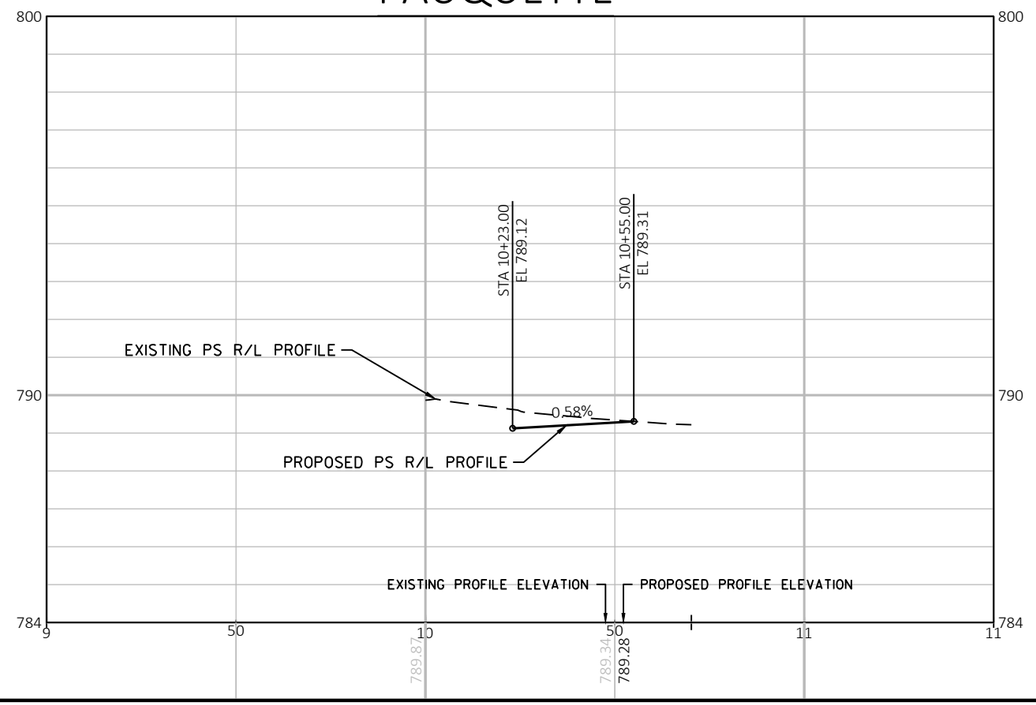


W. EDGEWATER

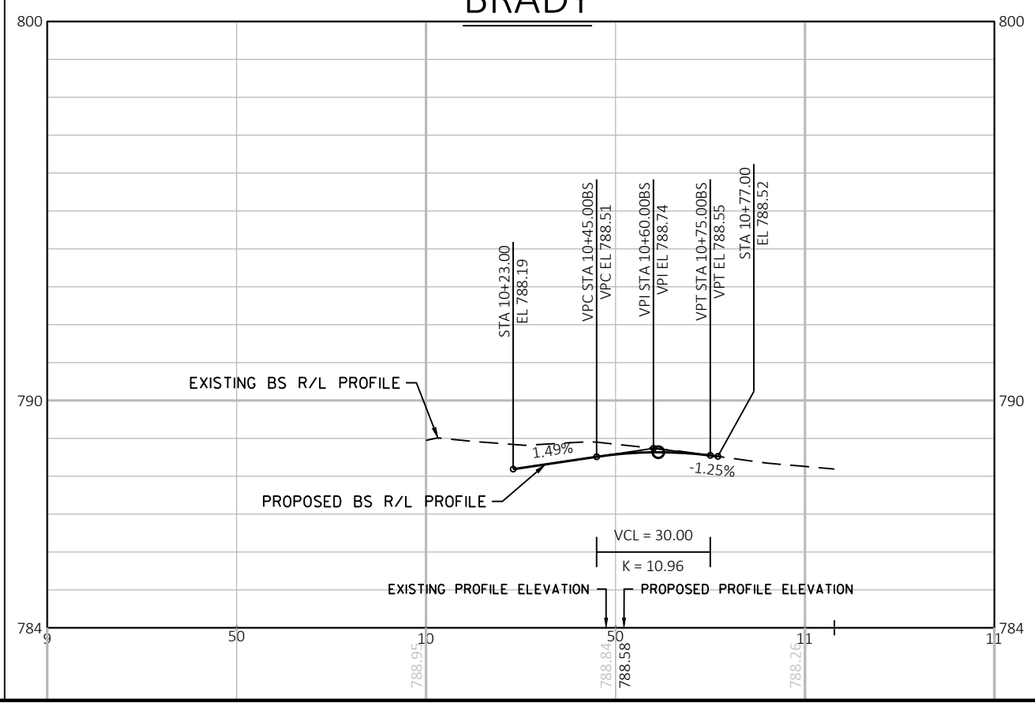


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN AND PROFILE: SIDEROADS	SHEET 308	E

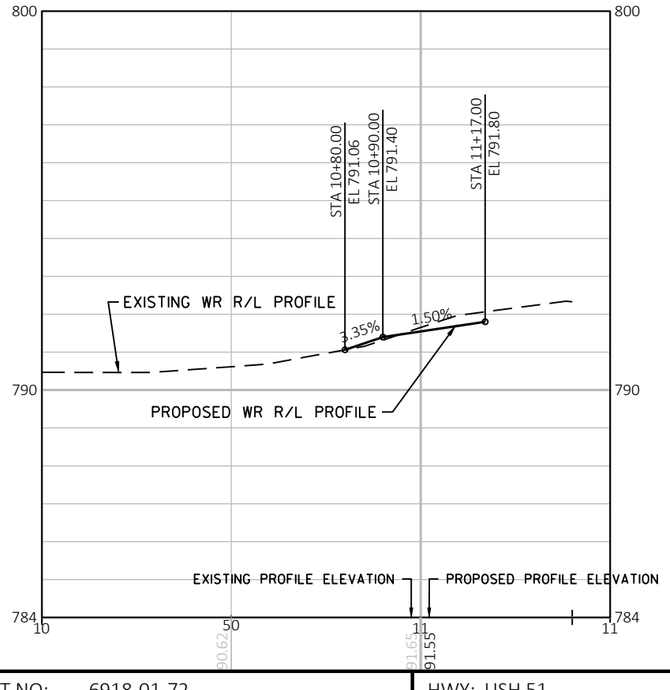
PAUQUETTE



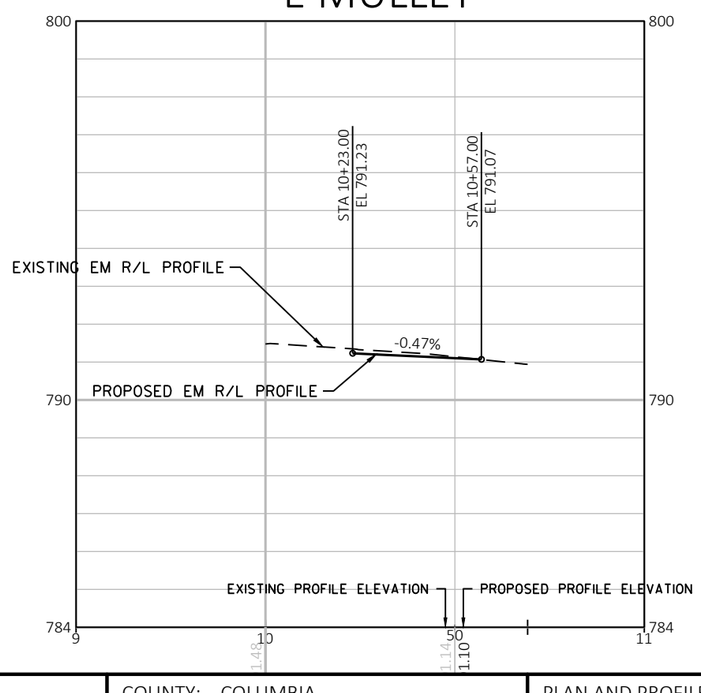
BRADY



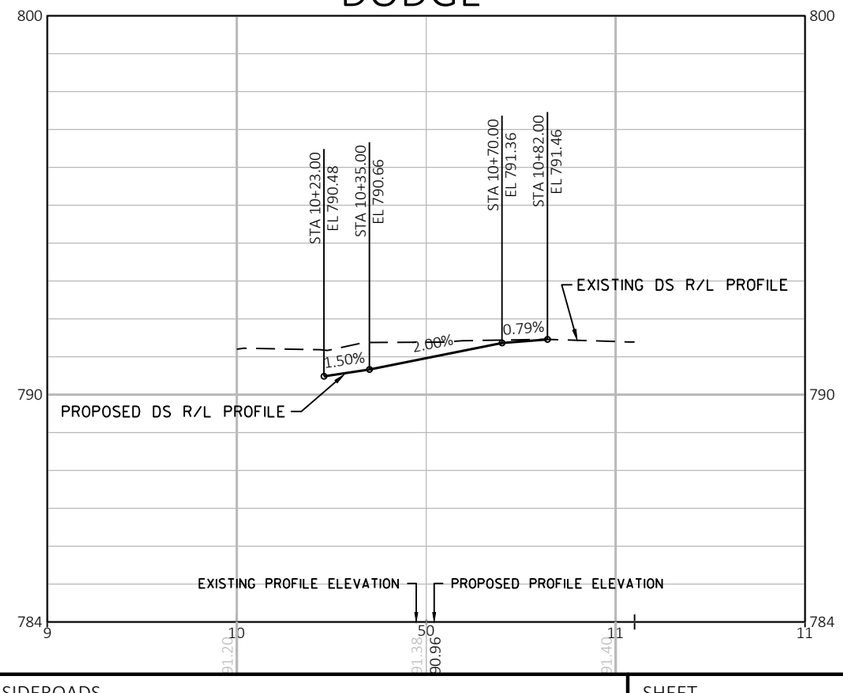
WARREN



E MULLET



DODGE



5

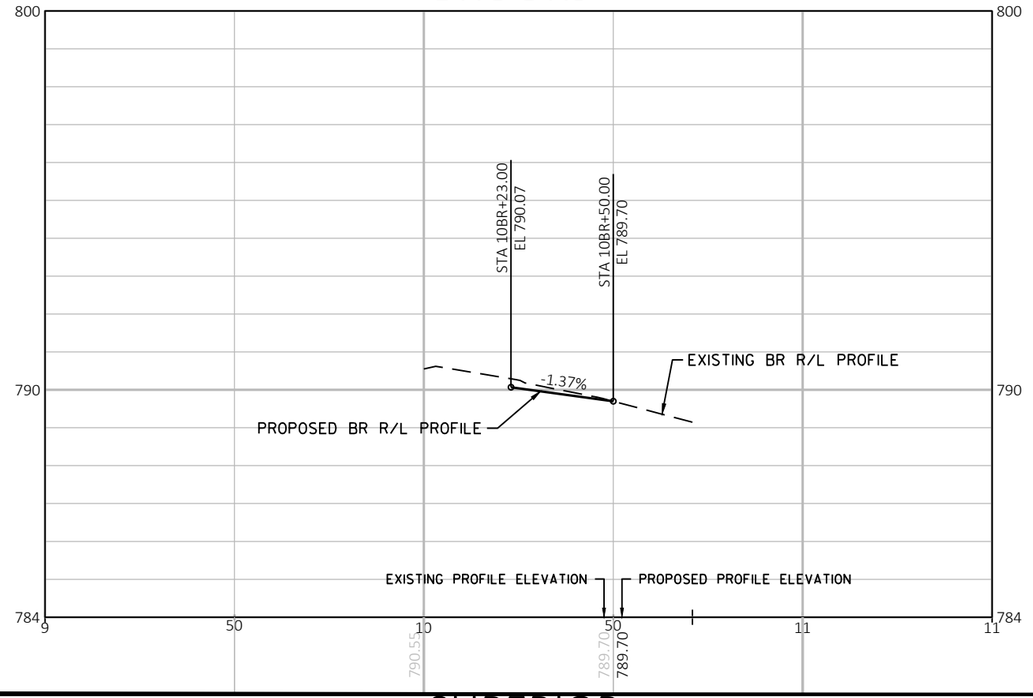
5

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN AND PROFILE: SIDEROADS	SHEET 309	E

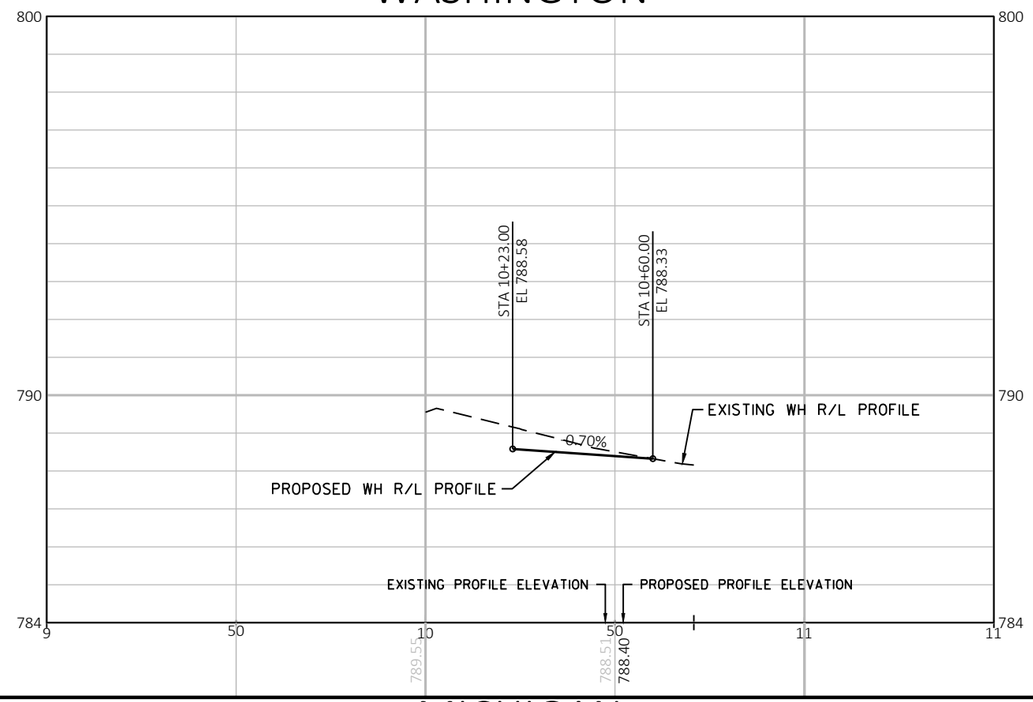
FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (SIDEROADS).DWG
LAYOUT NAME - Brady

PLOT DATE : 7/22/2020 12:05 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

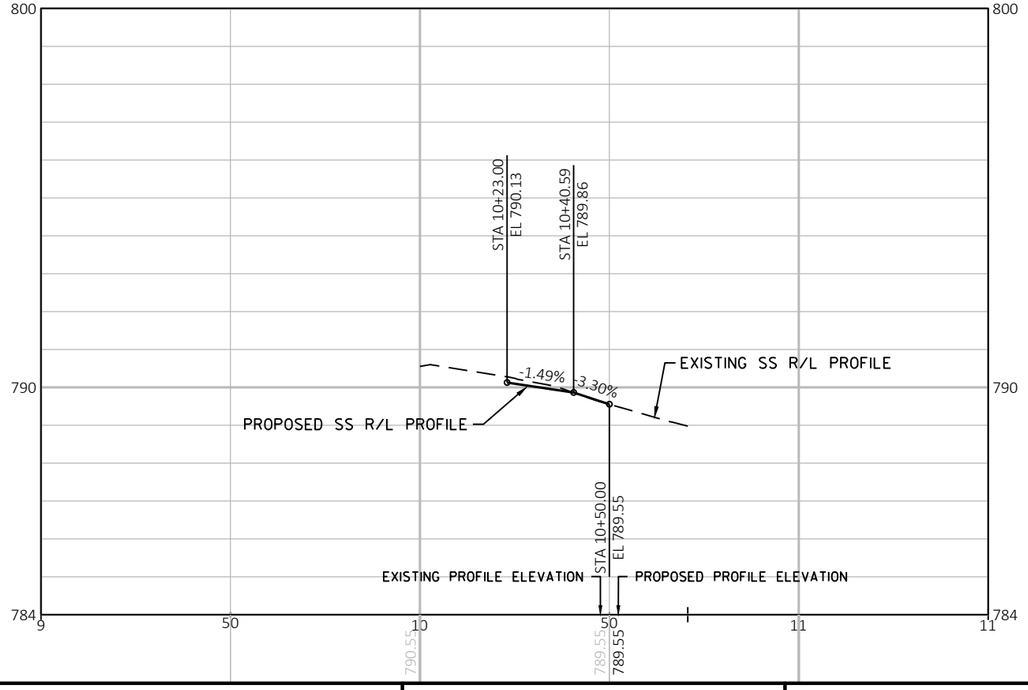
BROOKS



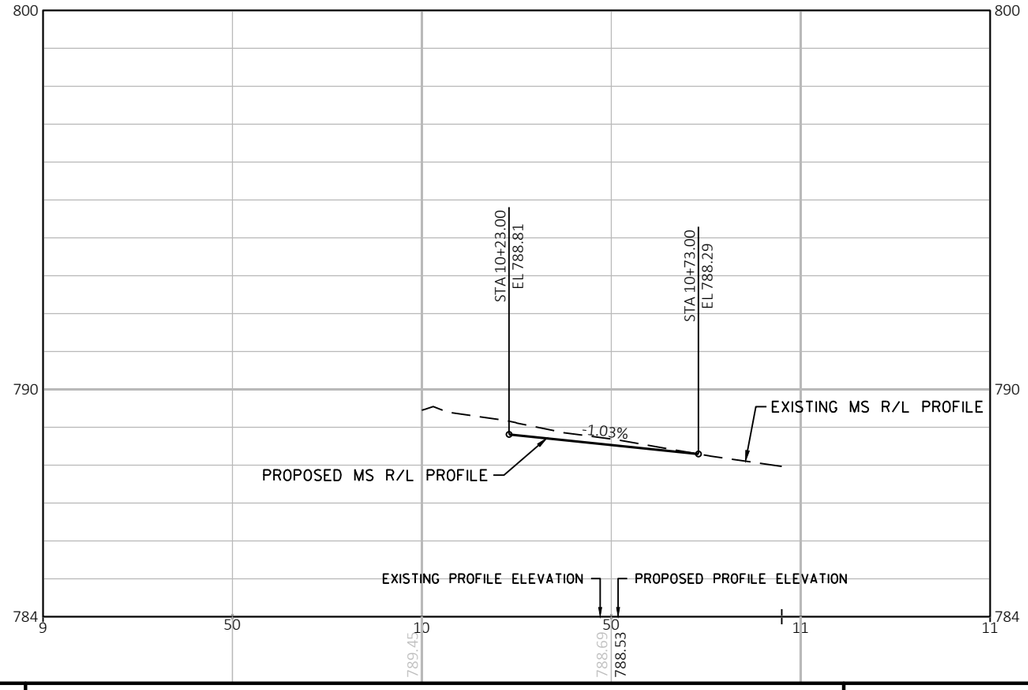
WASHINGTON



SUPERIOR



MICHIGAN



5

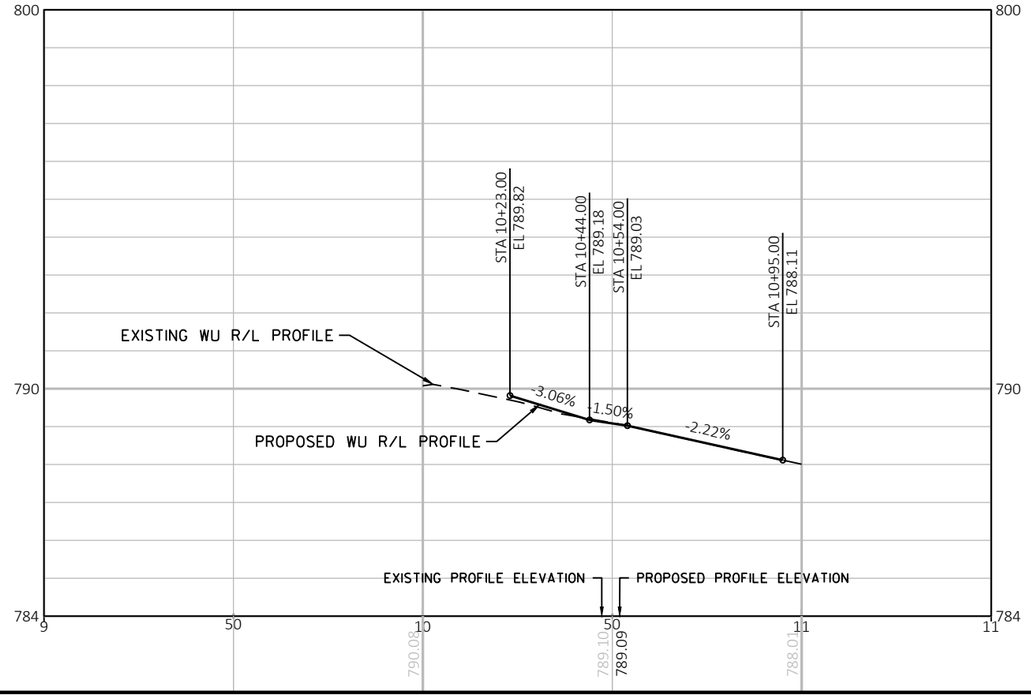
5

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN AND PROFILE: SIDEROADS	SHEET 310	E

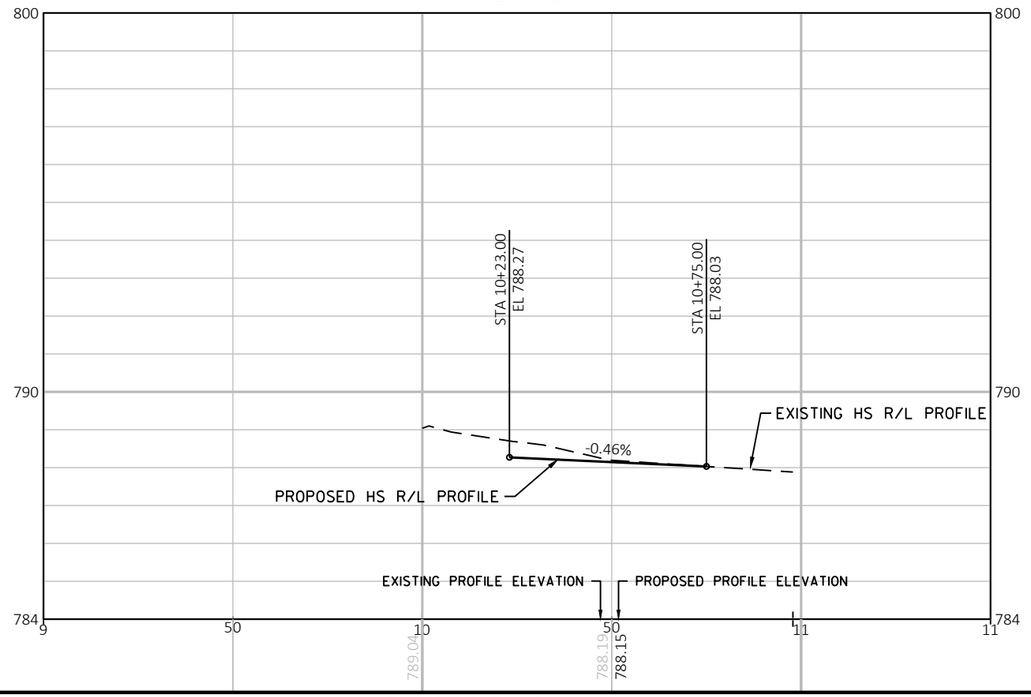
FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (SIDEROADS).DWG
LAYOUT NAME - Brooks

PLOT DATE : 7/22/2020 12:05 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

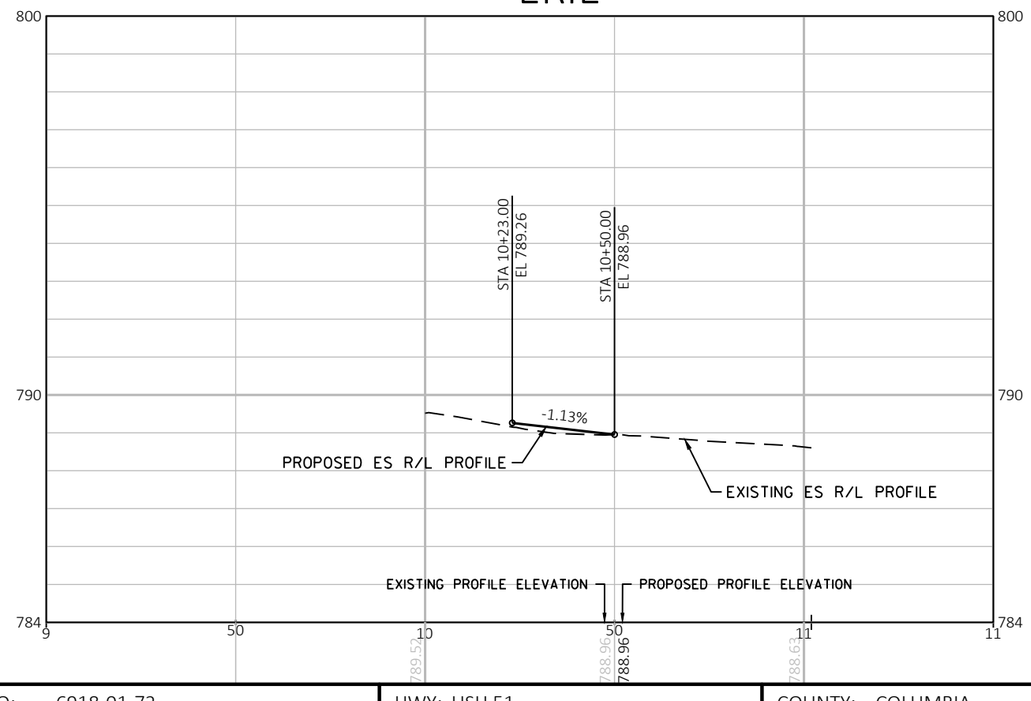
WAUONA



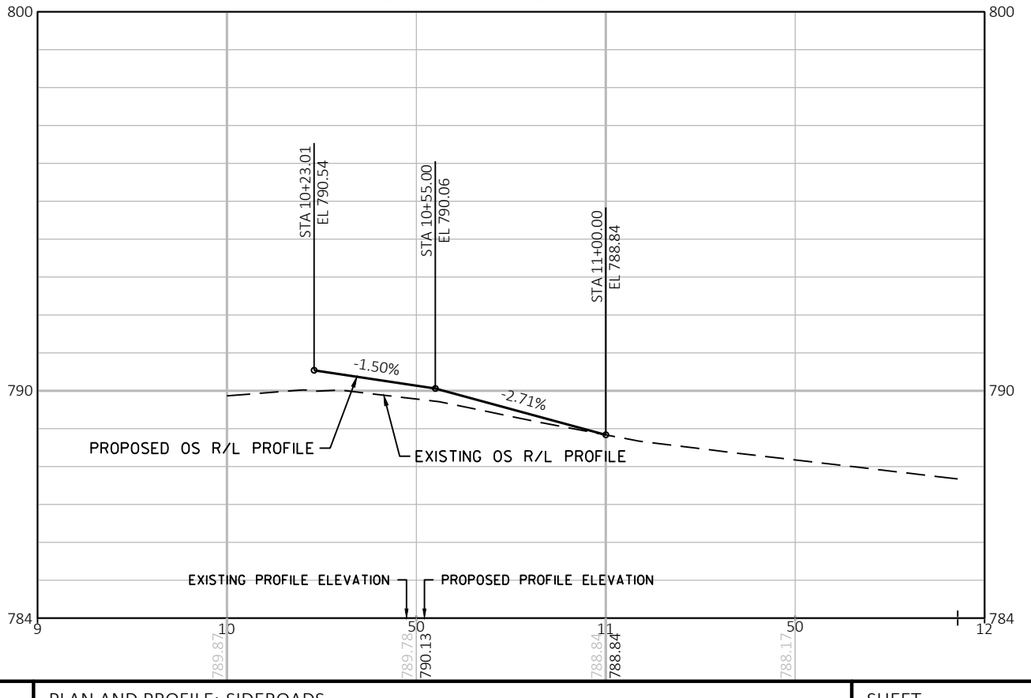
HURON



ERIE



ONTARIO

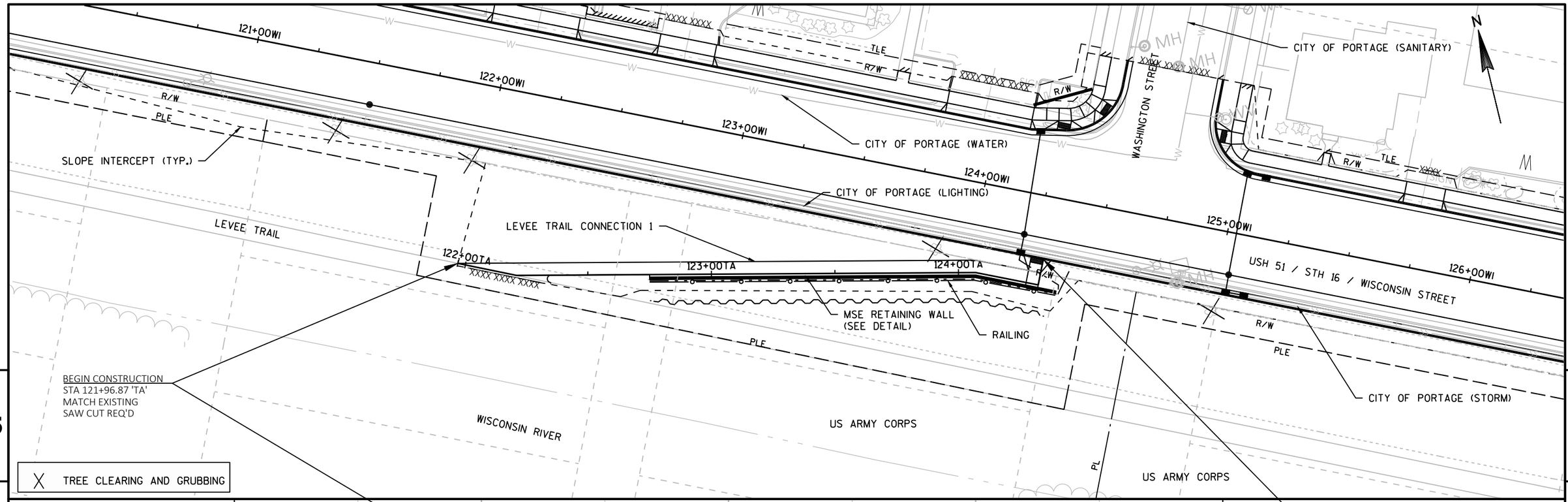


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN AND PROFILE: SIDEROADS	SHEET 311	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (SIDEROADS).DWG
LAYOUT NAME - Wauona

PLOT DATE : 7/22/2020 12:05 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

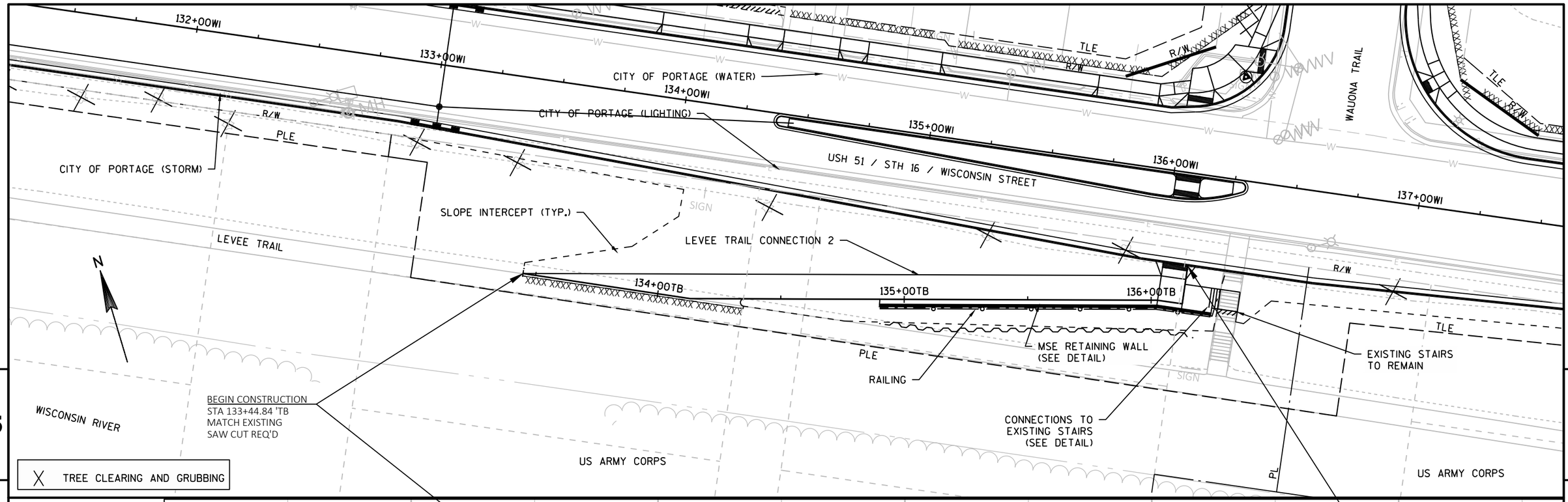


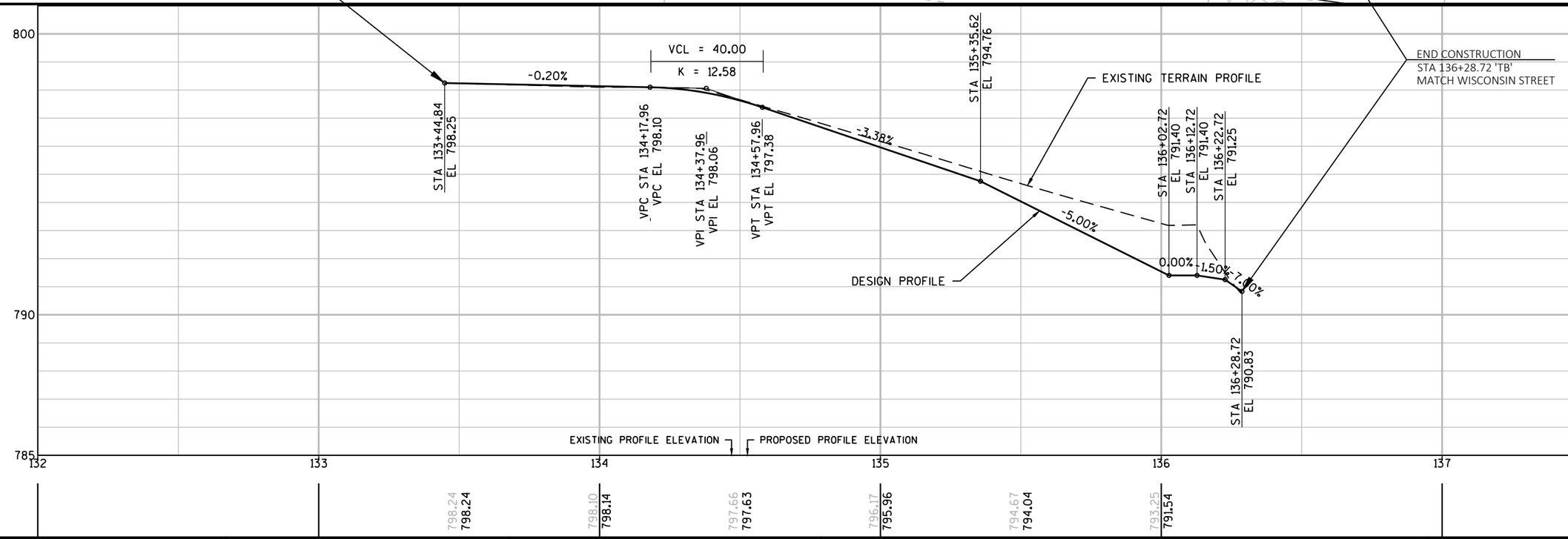
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN AND PROFILE: LEVEE TRAIL CONNECTION 1	SHEET 312	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (LEVEE CONNECTION).DWG
LAYOUT NAME - SHEET - (1)

PLOT DATE : 7/22/2020 12:12 PM PLOT BY : SCOTT DEMEUSE PLOT NAME : PLOT SCALE : 1 IN:40 FT

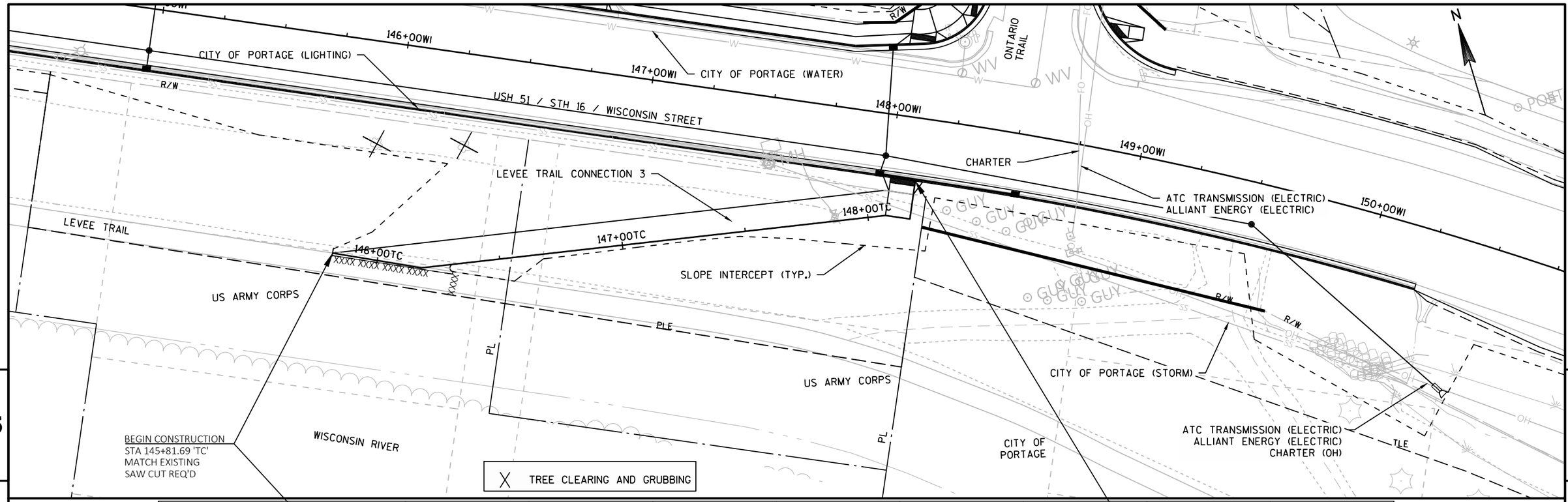
WISDOT/CADDS SHEET 44

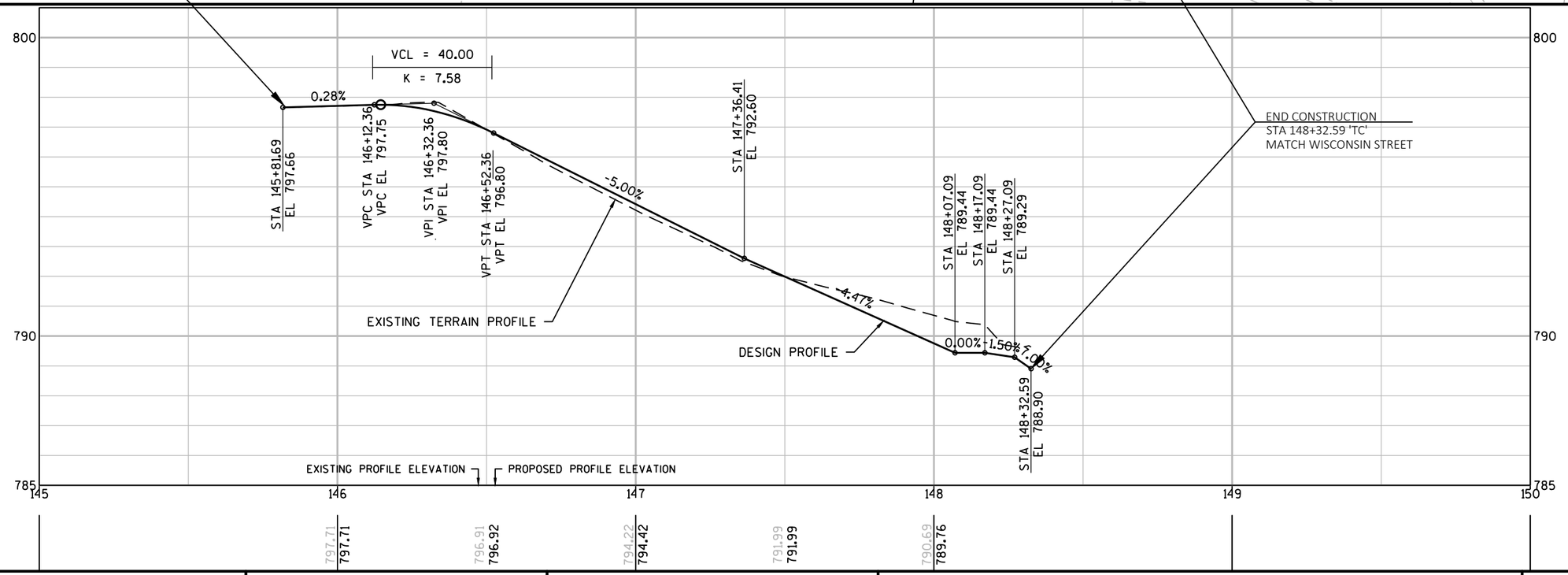




PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN AND PROFILE: LEVEE TRAIL CONNECTION 2	SHEET E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (LEVEE CONNECTION).DWG
LAYOUT NAME - SHEET - (2)
PLOT DATE : 7/22/2020 12:12 PM
PLOT BY : SCOTT DEMEUSE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	PLAN AND PROFILE: LEVEE TRAIL CONNECTION 3	SHEET E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\PLAN AND PROFILE\050101-PP (LEVEE CONNECTION).DWG
LAYOUT NAME - SHEET - (2)
PLOT DATE : 7/22/2020 12:12 PM PLOT BY : SCOTT DEMEUSE PLOT NAME : PLOT SCALE : 1 IN:40 FT

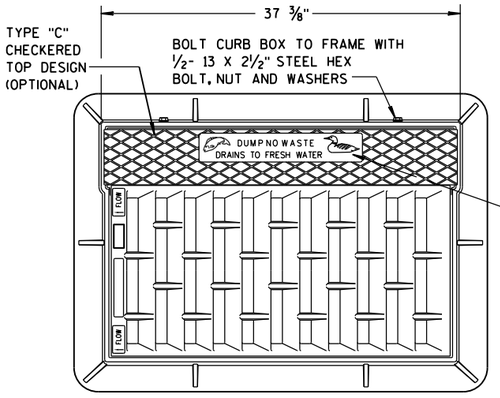
Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
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
08B10-02	MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-21A	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
08D20-01	DRIVEWAYS WITH CURB & GUTTER RETURNS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F10-01	CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH
09B02-10	CONDUIT
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
09C14-03	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D04-03	LIGHTING CONTROL CABINET 120/240 VOLT
09E01-15A	POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2
09E01-15B	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY)
09E01-15C	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 4
09E01-15D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09H14-01	WIRELESS DETECTION SENSOR MOUNTING
11B02-02	CONCRETE MEDIAN NOSE
12A03-10	NAME PLATE (STRUCTURES)
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
13C19-02	HMA LONGITUDINAL JOINTS
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-15A	PAVEMENT MARKING SYMBOLS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C18-04	MEDIAN ISLAND MARKING
15C27-03A	DOUBLE ARROW WARNING SIGN PLACEMENT
15C27-03B	PAVEMENT MARKING (ISLANDS)
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-04A	PAVEMENT MARKING (INTERSECTIONS)

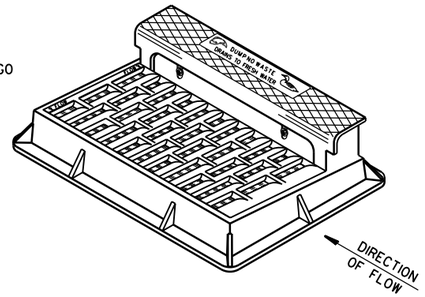
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Standard Detail Drawing List

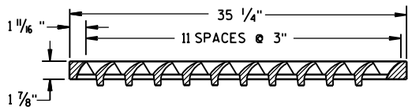
15C36-01	PARKING STALL MARKING
15D20-05B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D21-06A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-06B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D30-06A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-06B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS

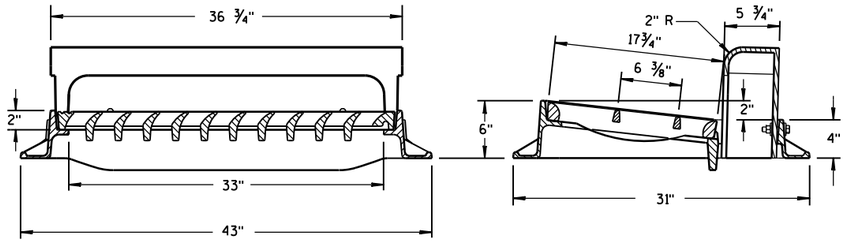


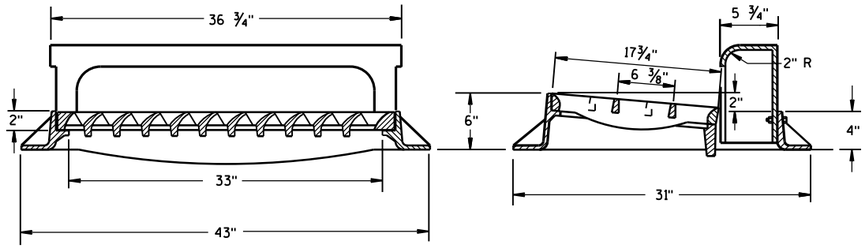
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

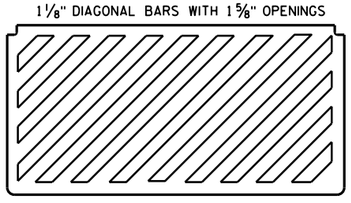






TYPE "H"

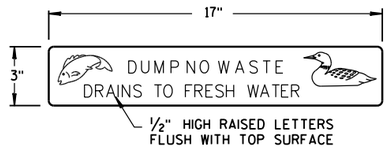
NOTE: EITHER CASTING IS ACCEPTABLE



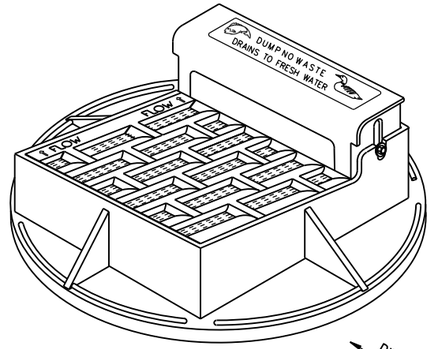
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

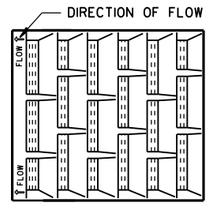
NOTE:
GRATE IS REVERSIBLE.

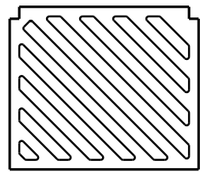
GENERAL NOTES

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

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

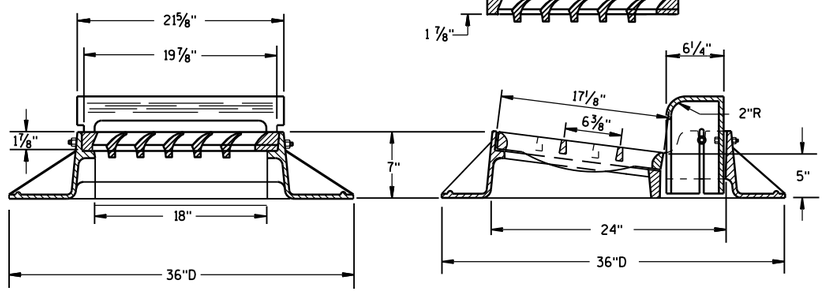




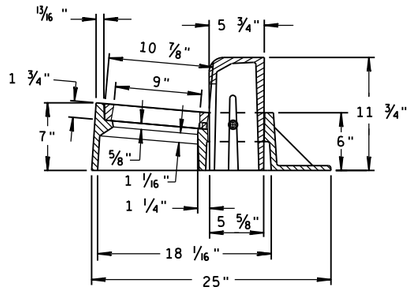
SPECIAL GRATE FOR TYPE "A" COVER

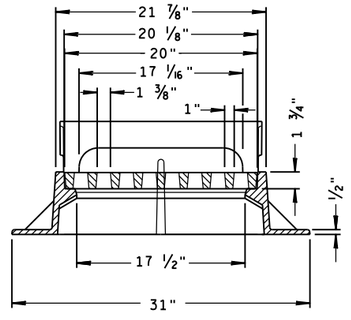
(MEASURES 19 3/4" X 17" X 1 7/8")

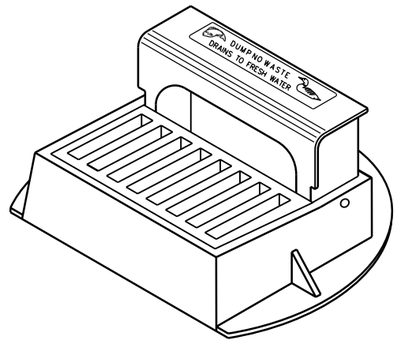
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"







TYPE "Z"

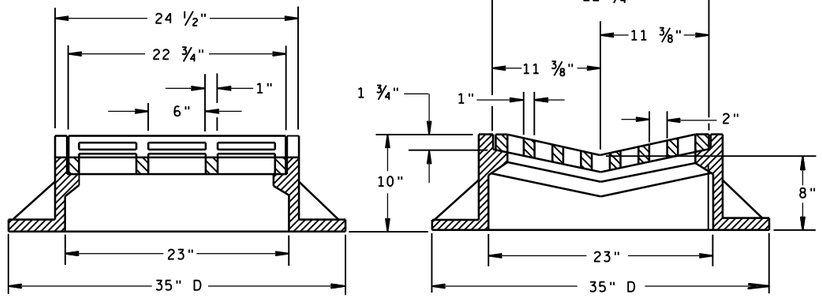
INLET COVERS
TYPE A, H, A-S, H-S & Z

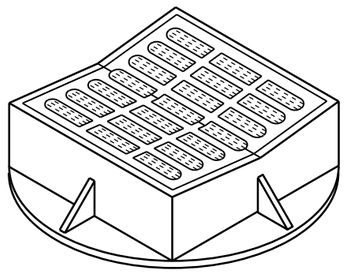
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

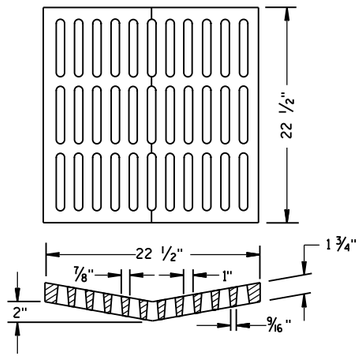
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S.D.D. 8 A 5-19a



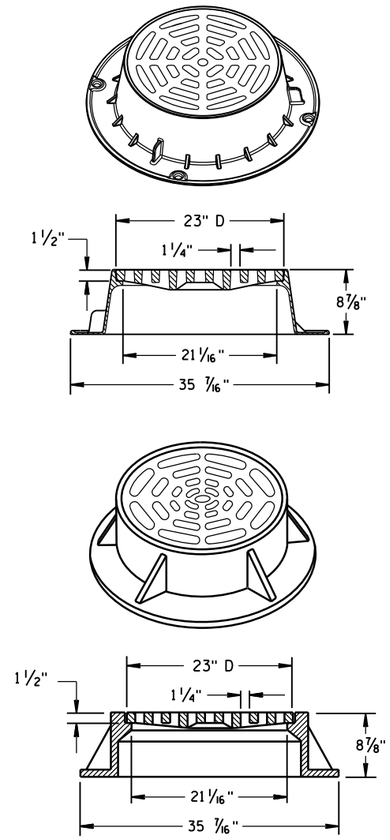


TYPE "B"



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"

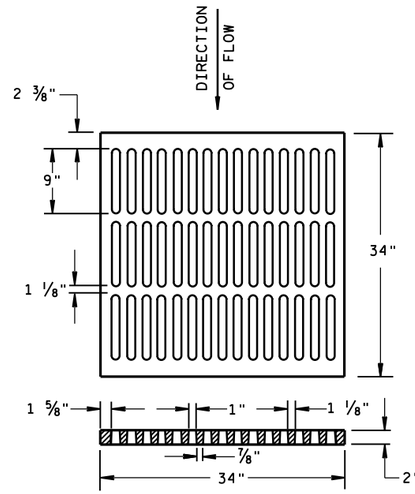
NOTE: EITHER CASTING IS ACCEPTABLE

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.

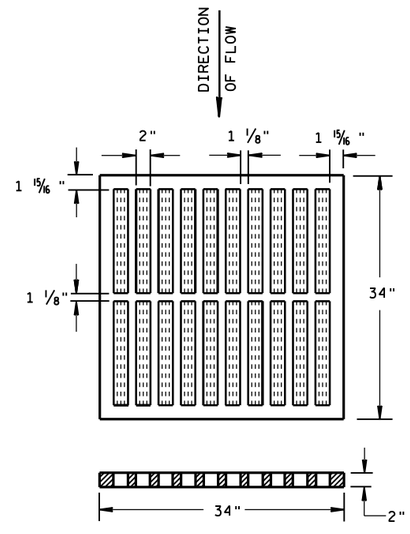
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



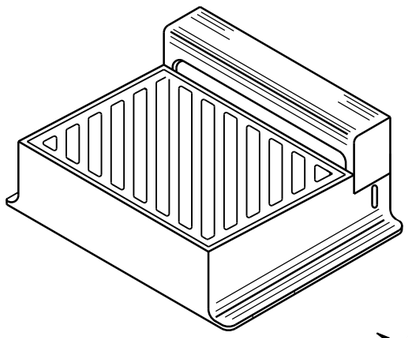
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

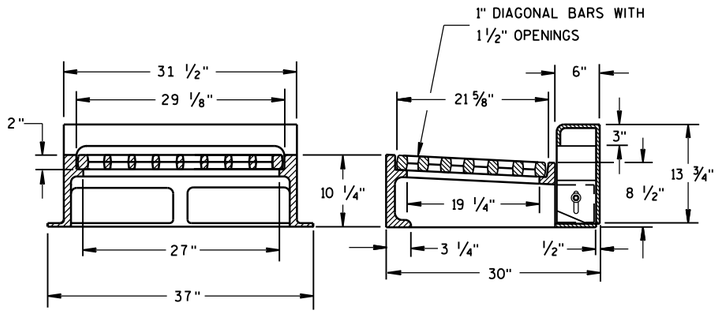


TYPE "MS"

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"

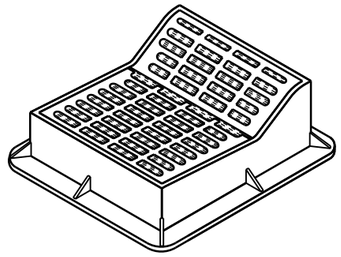
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

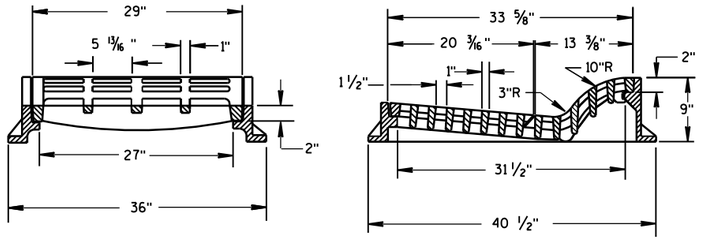
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

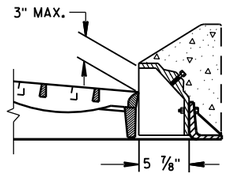
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

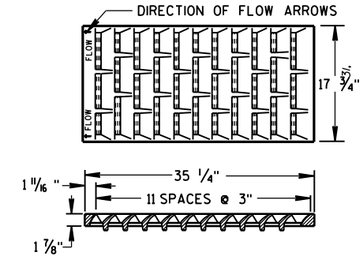
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

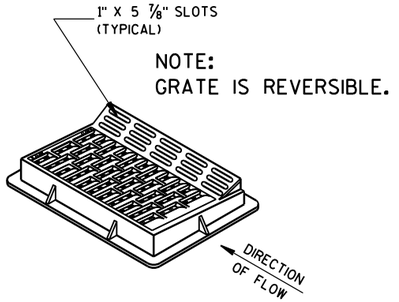
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

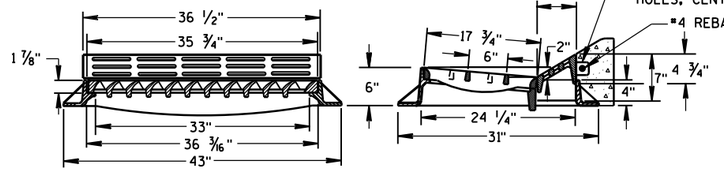
GENERAL NOTES

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

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



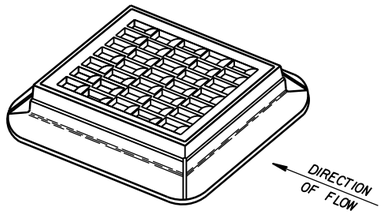


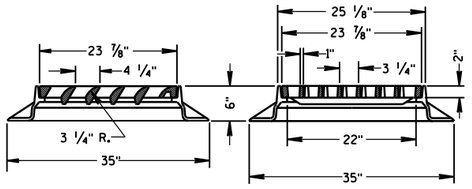


TYPE "HM"

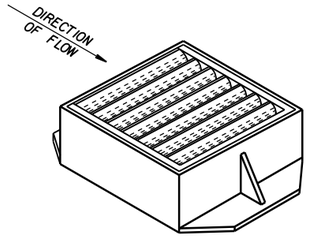
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

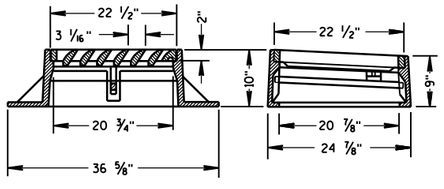
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



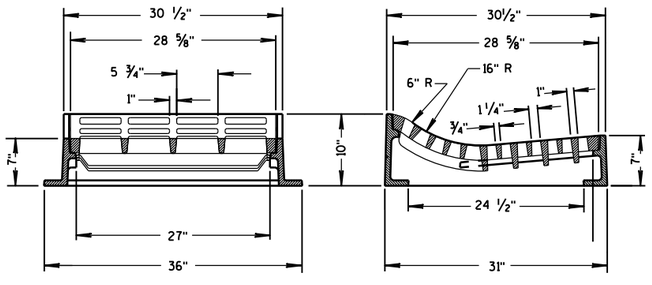


TYPE "S"



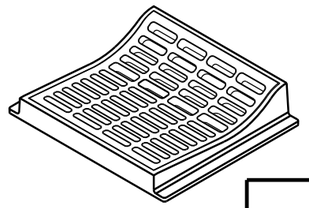


TYPE "V"



TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.



INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

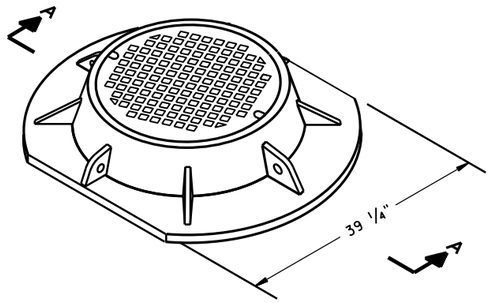
FHWA

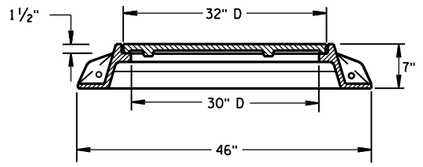
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S.D.D. 8 A 5-19c

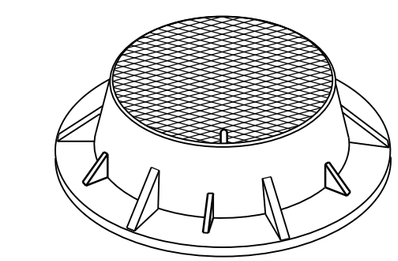
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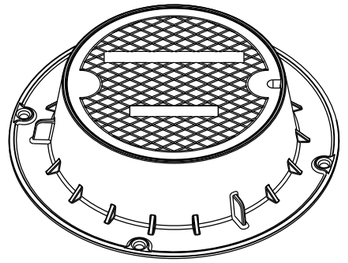
S.D.D. 8 A 5-19c

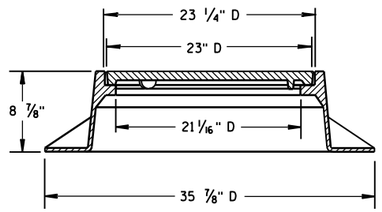


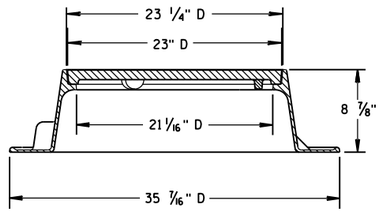


SECTION A-A
TYPE "K"









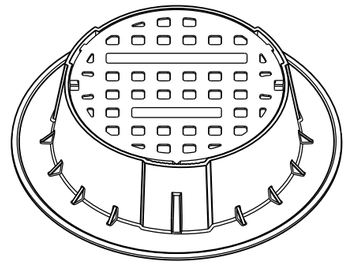
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

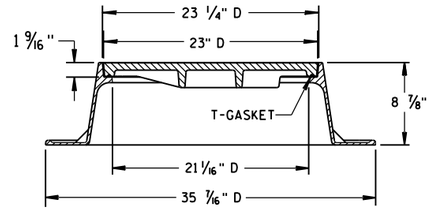
GENERAL NOTES

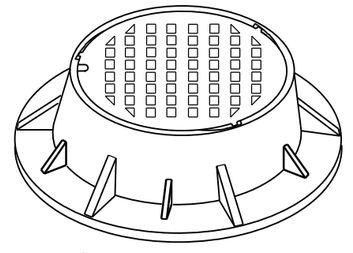
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

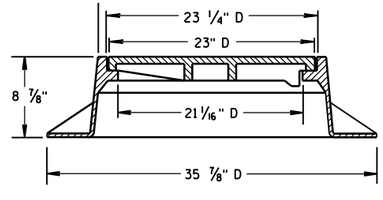
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

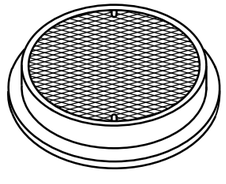


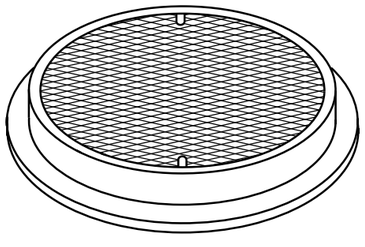


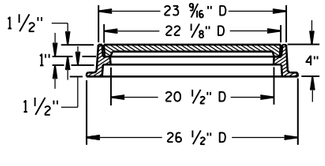




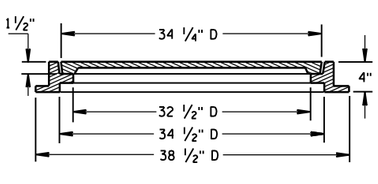
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



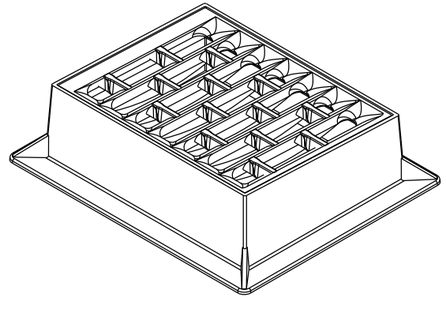


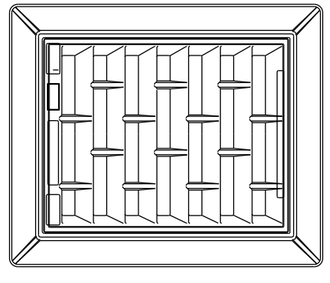


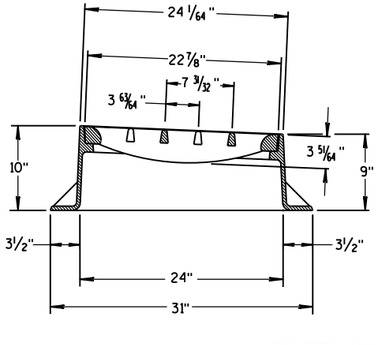
TYPE "L"

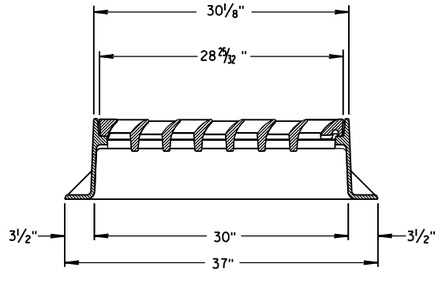


TYPE "M"









INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

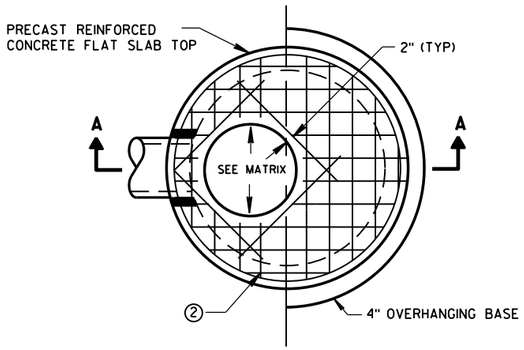
APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

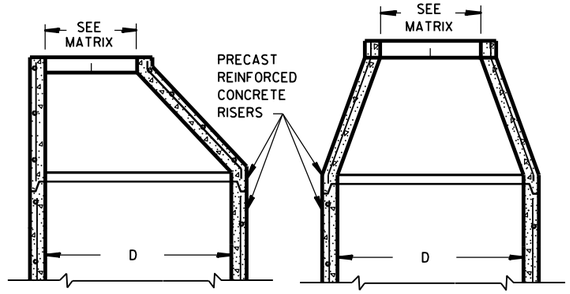
S.D.D. 8 A 5-19d

6

S.D.D. 8 A 5-19d

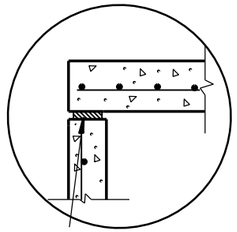


PLAN VIEW CIRCULAR OPENING

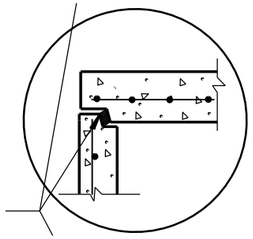


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

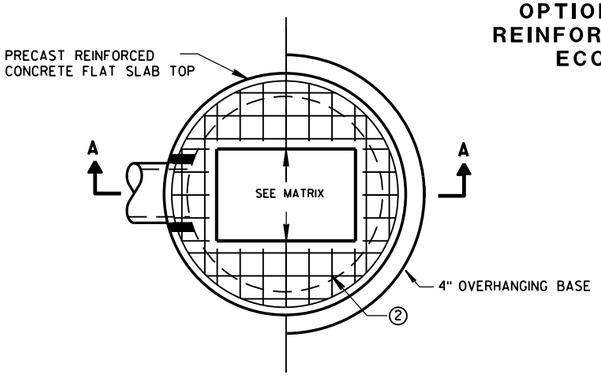
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



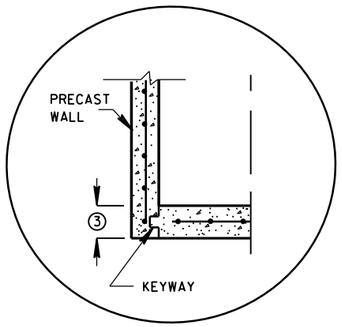
TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT

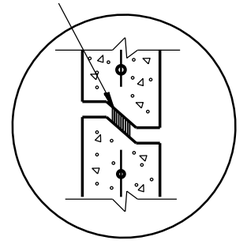


PLAN VIEW RECTANGULAR OPENING



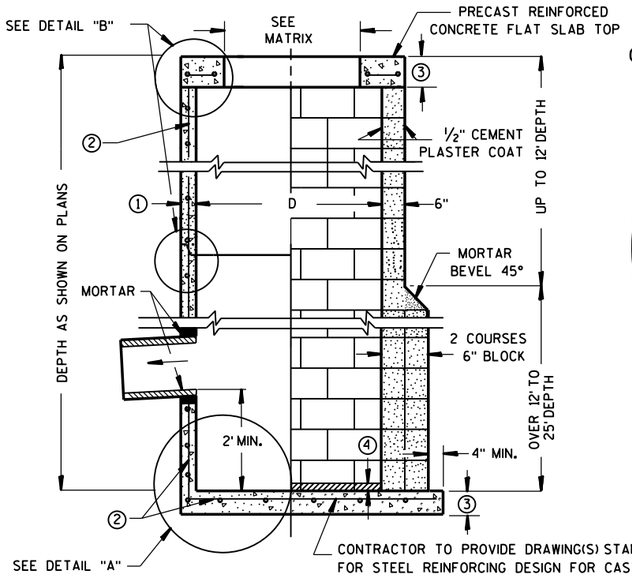
PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



RISER WITH TONGUE AND GROOVE JOINT

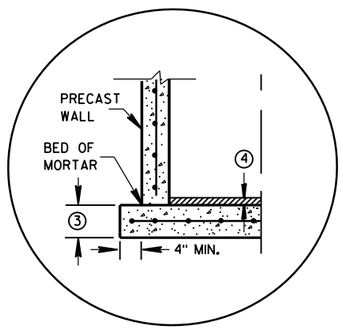
DETAIL "B"



SECTION A-A

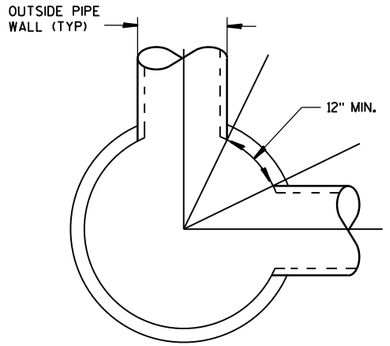
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

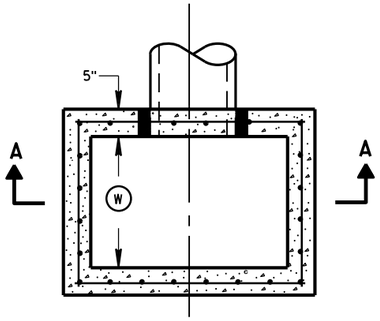
CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	30

CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

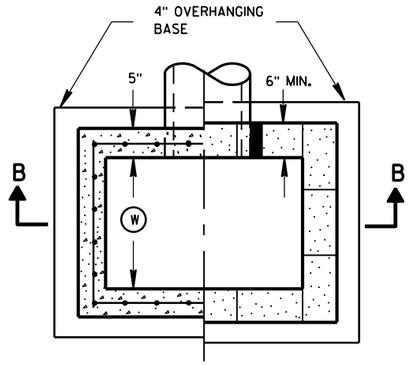
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

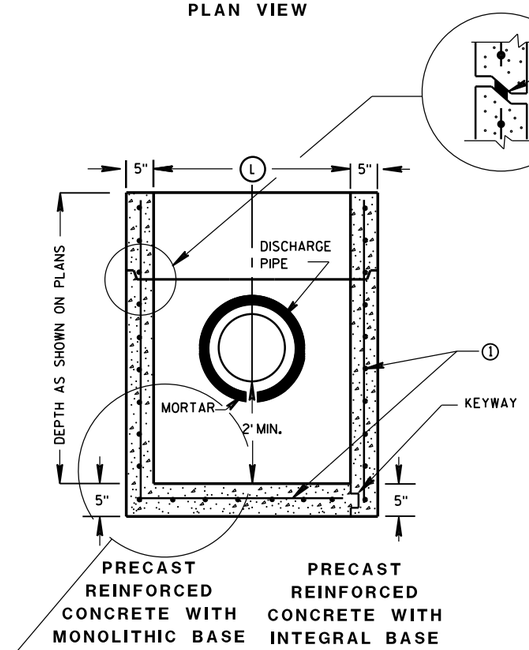
S.D.D. 8 A 8-2



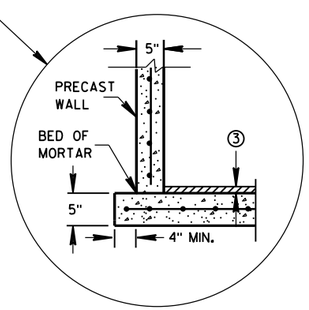
PLAN VIEW



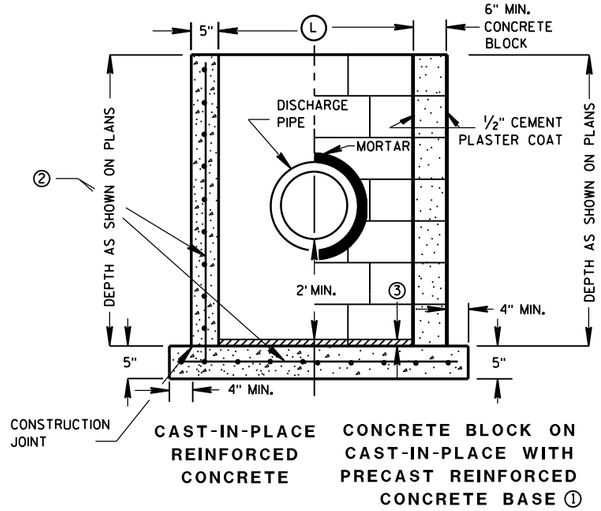
PLAN VIEW



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.

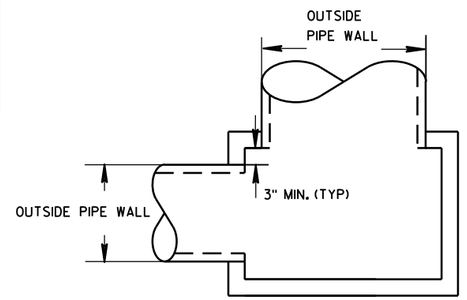
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

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

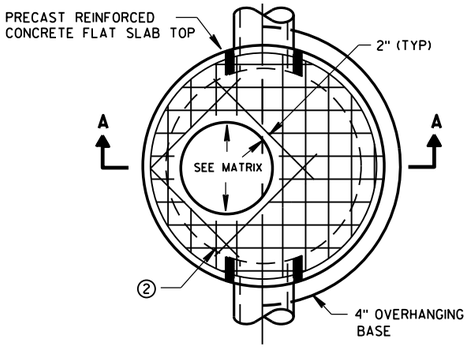
CATCH BASINS 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

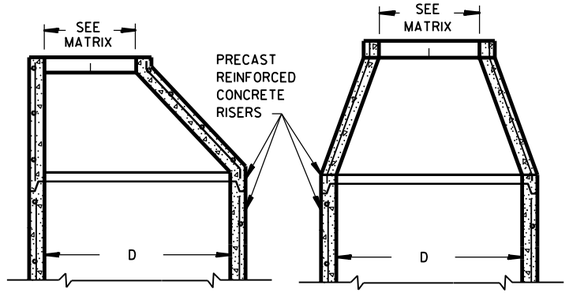
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

6

S.D.D. 8 A 9-2

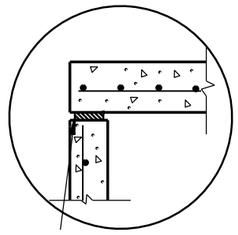


PLAN VIEW CIRCULAR OPENING

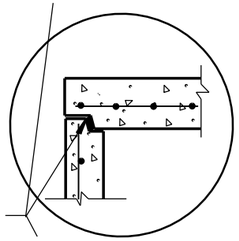


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

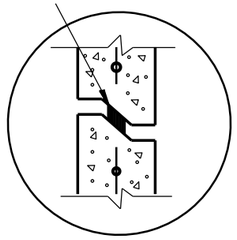


TOP WITH PLAIN END JOINT



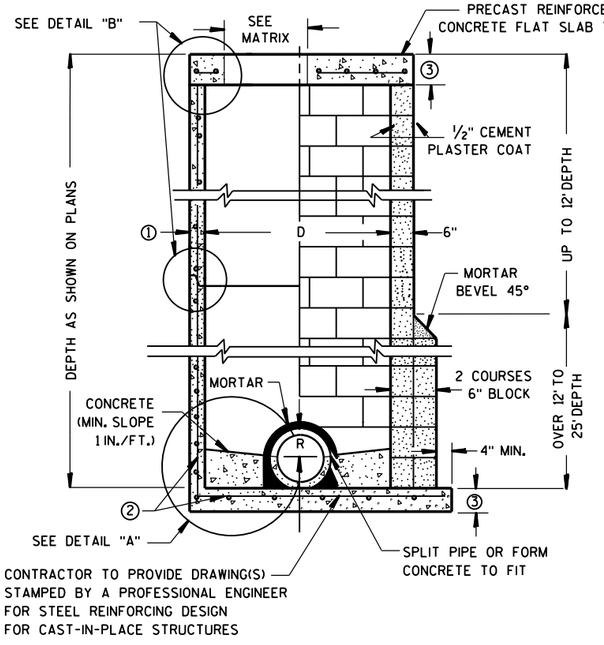
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



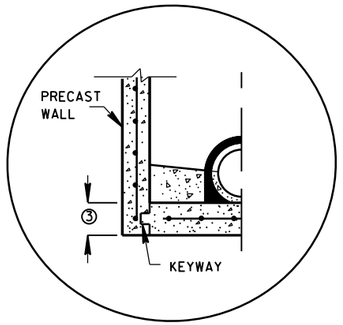
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

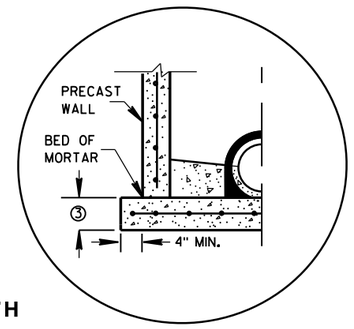


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

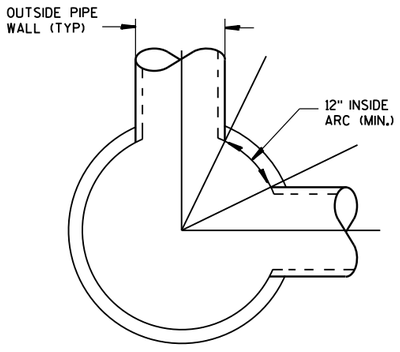


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

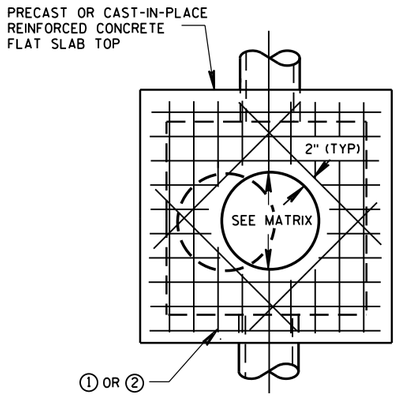
APPROVED

Sept., 2016
DATE

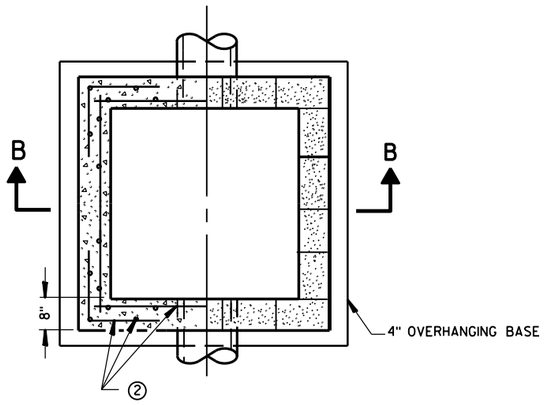
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

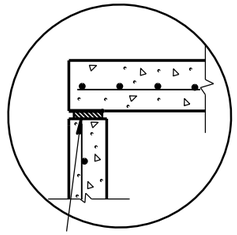
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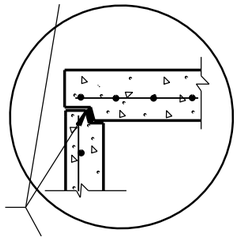
PLAN VIEW
CIRCULAR OPENING



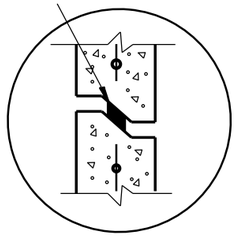
SECTION A-A
PLAN VIEW



TOP WITH PLAIN END JOINT

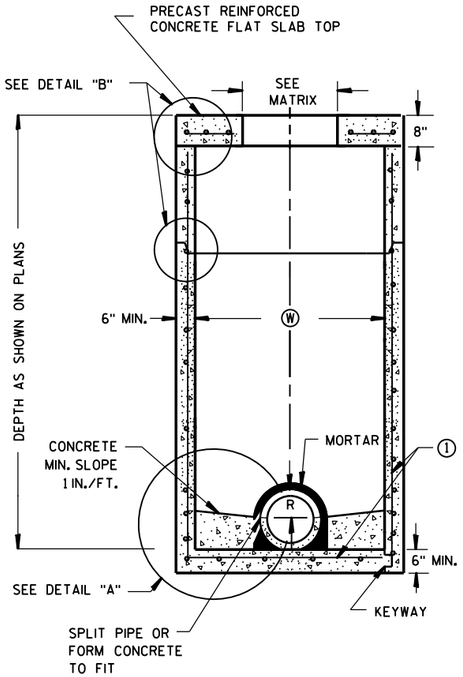


TOP WITH TONGUE AND GROOVE JOINT

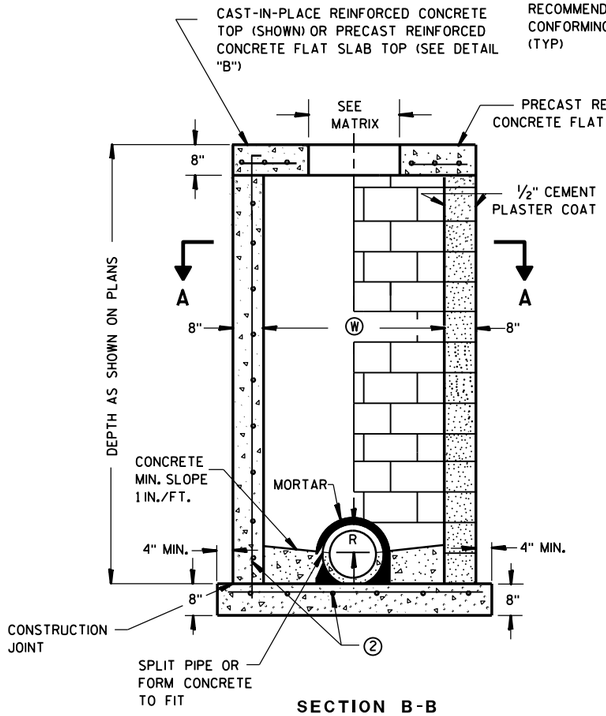


RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

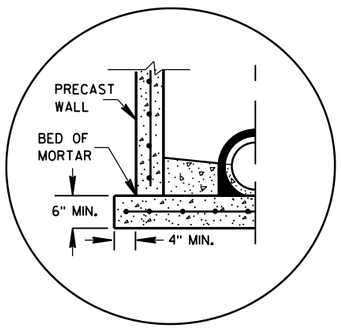


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

CAST-IN-PLACE REINFORCED CONCRETE

SECTION B-B

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN WIDTH.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "C". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

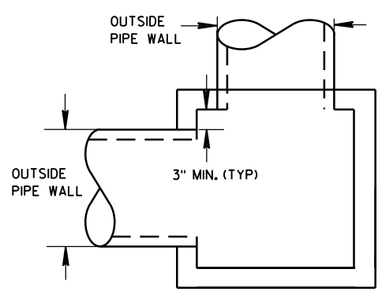
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (W) (IN)	LENGTH (L) (IN)
3X3-FT	24	24
4X4-FT	30	30
5X5-FT	42	42
6X6-FT	54	54



DETAIL "C"

SQUARE MANHOLES W/ FLAT TOP

MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT

MANHOLES 3X3-FT, 4X4-FT
5X5-FT AND 6X6-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS
UNIT SUPERV

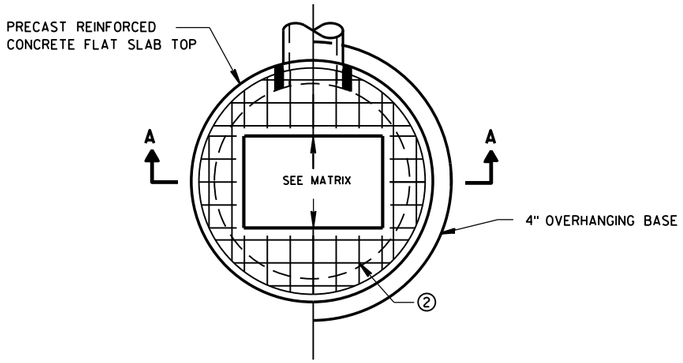
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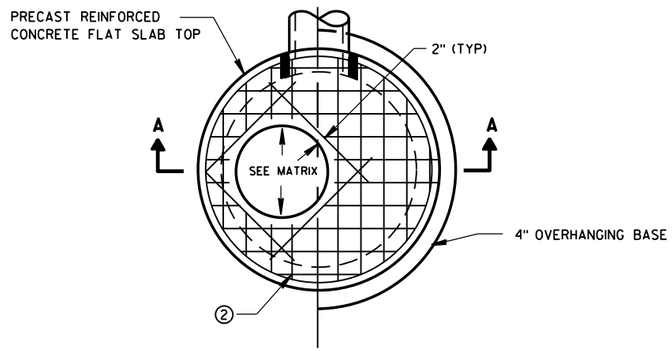
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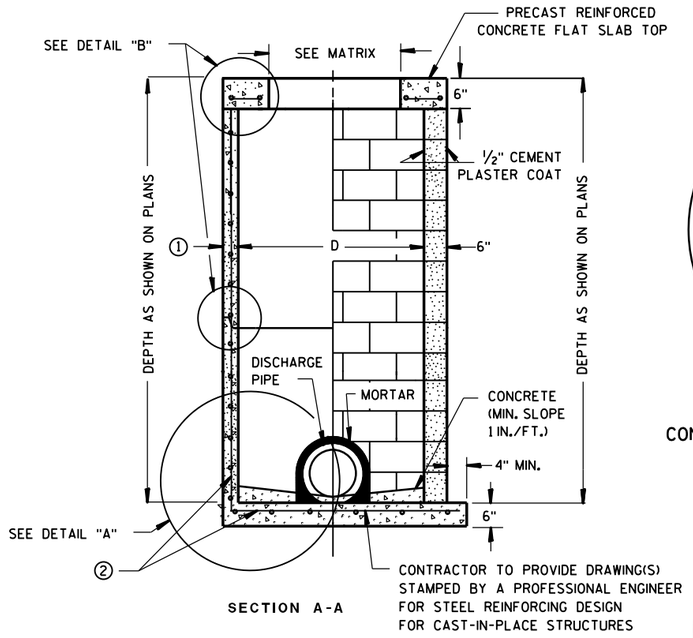
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PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

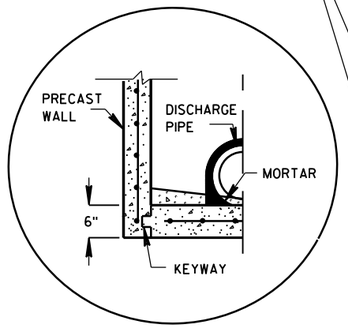


SECTION A-A

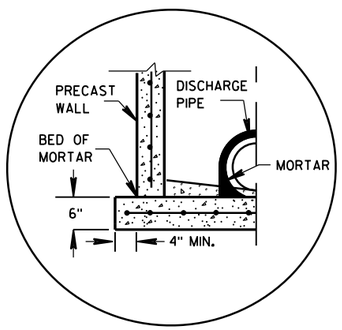
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

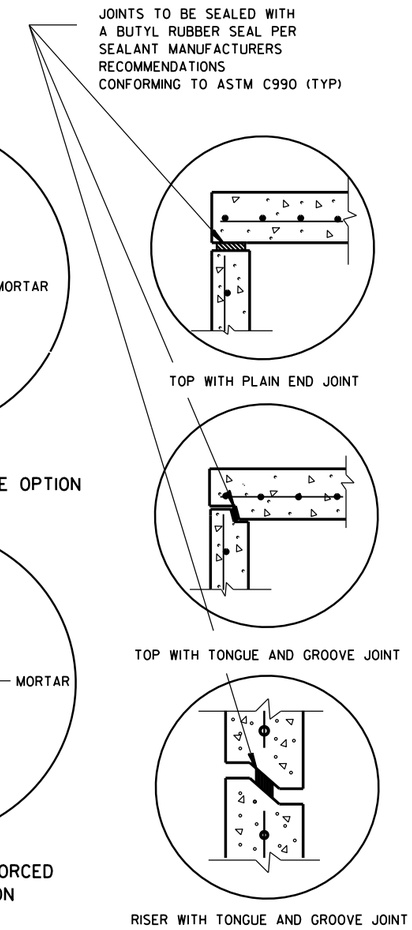


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



TOP WITH PLAIN END JOINT

TOP WITH TONGUE AND GROOVE JOINT

RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

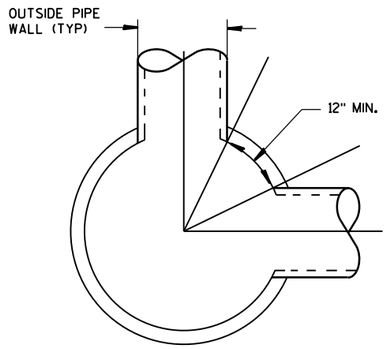
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

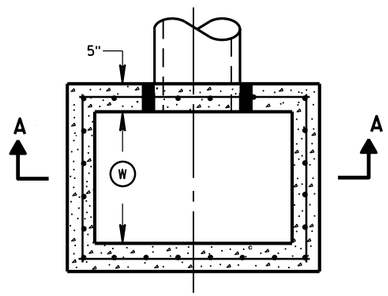
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept.. 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS | UNIT SUPERVI ENT
FHWA

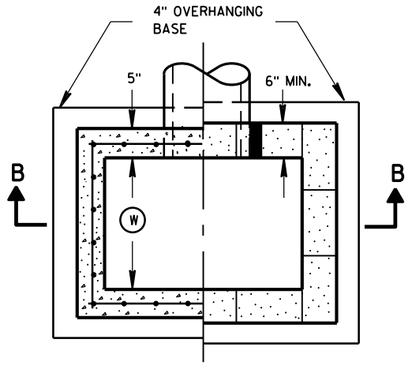
INLETS 3-FT AND 4-FT DIAMETER

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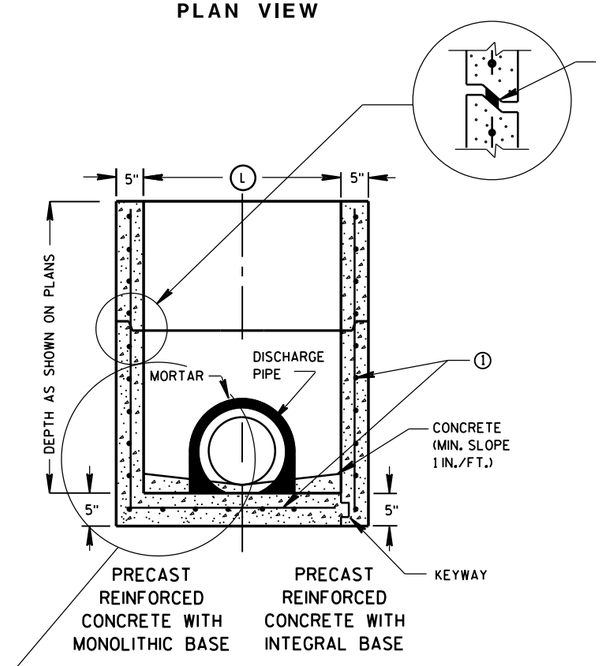
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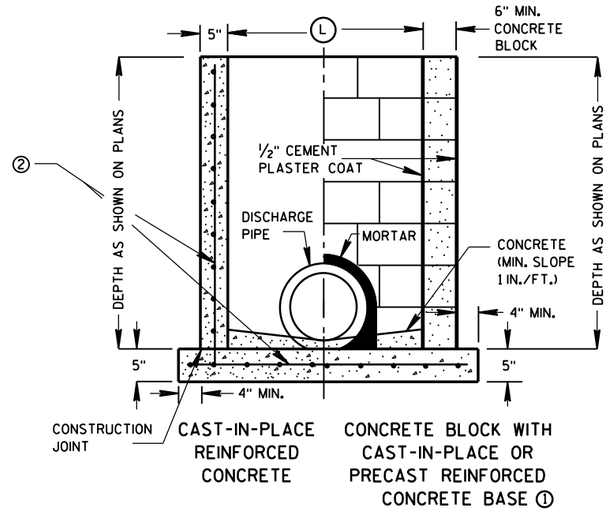
PLAN VIEW



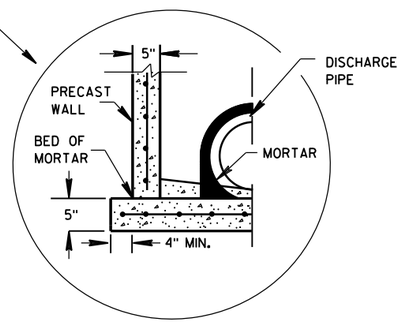
PLAN VIEW



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.

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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.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

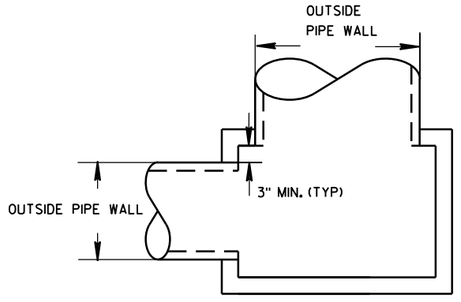
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

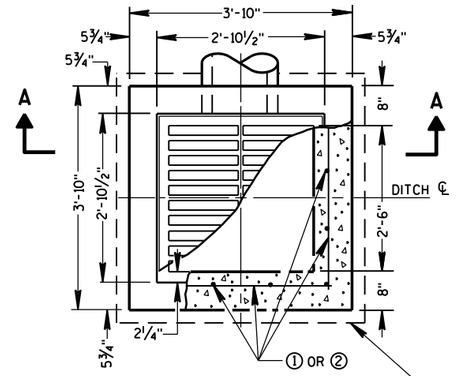
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

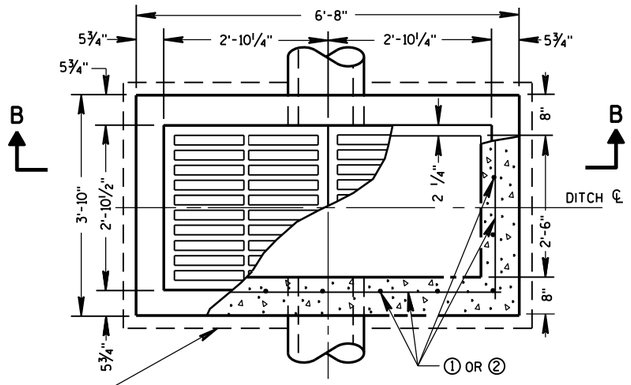
APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT
UNIT SUPERVIS
FHWA

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

6
S.D.D. 8 C 7-2

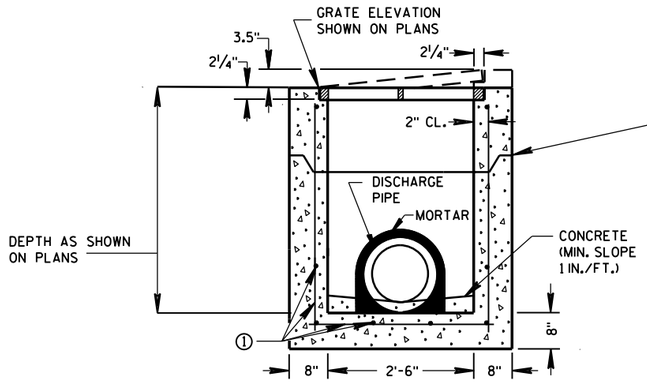


PLAN VIEW

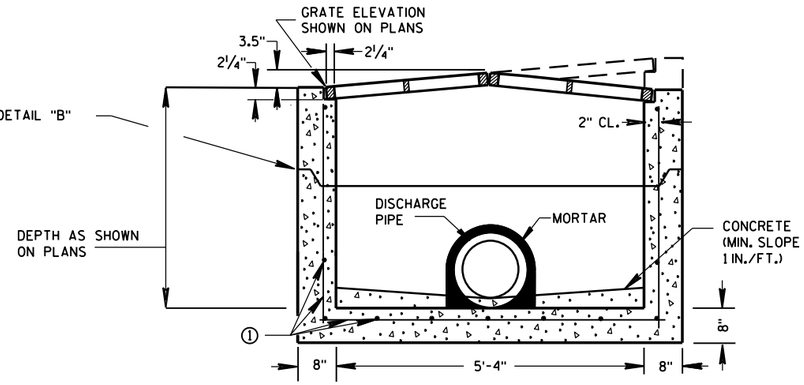


PLAN VIEW

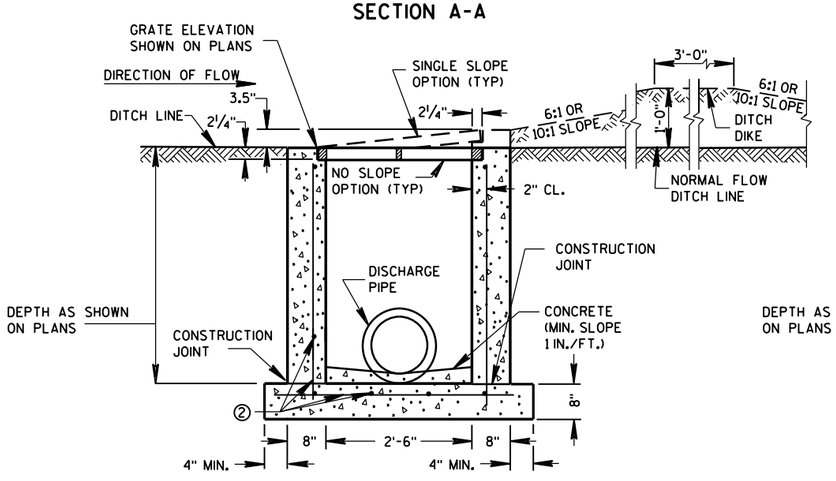
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



PRECAST REINFORCED CONCRETE SECTION A-A

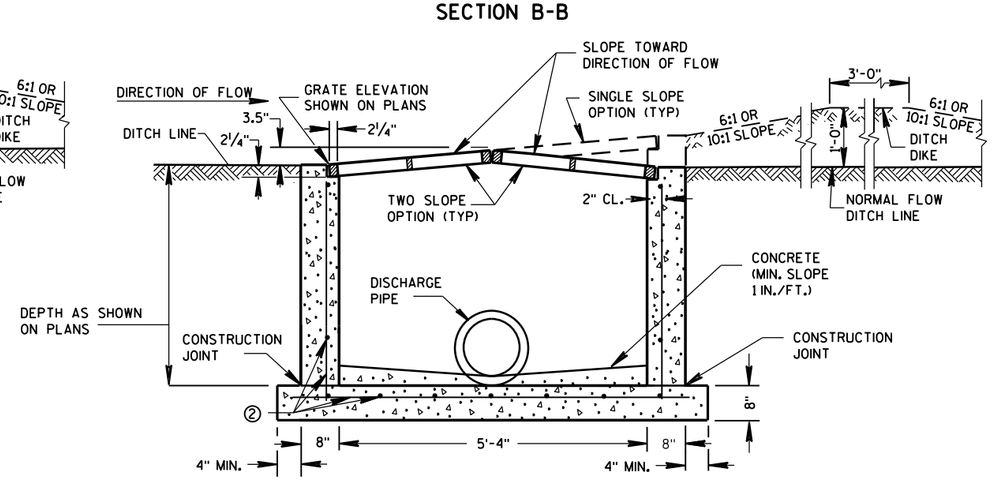


PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A

INLETS MEDIAN 1 GRATE



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

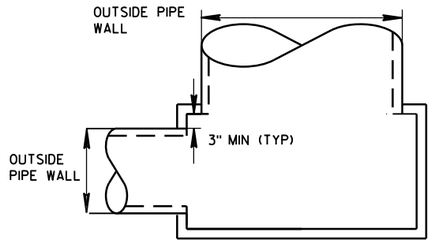
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

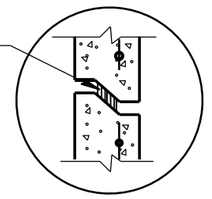
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



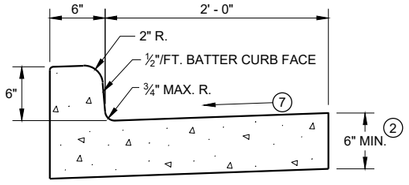
DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

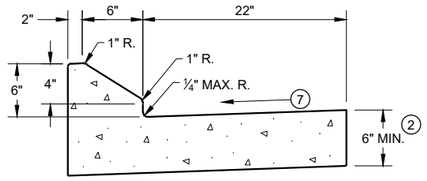
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
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FHWA

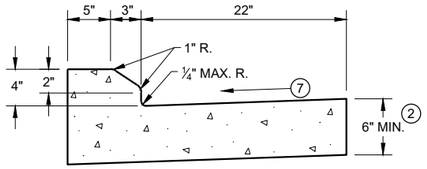
6
S.D.D. 8 C 8-2



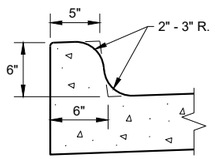
TYPES A[1] & D



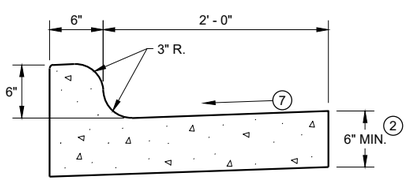
6" SLOPED CURB TYPES G[1] & J



4" SLOPED CURB TYPES G[1] & J

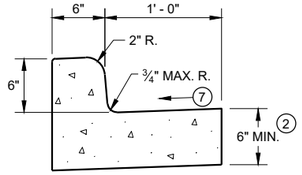


TYPES K[1] & L
(OPTIONAL CURB SHAPE)



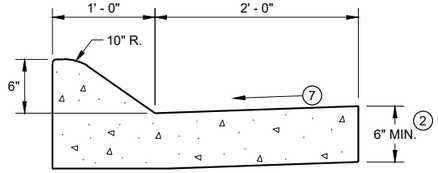
TYPES K[1] & L

CONCRETE CURB AND GUTTER 30"

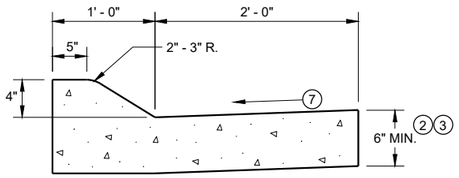


TYPES A[1] & D

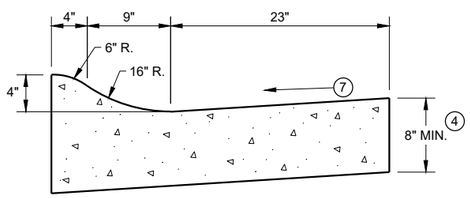
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A[1] & D



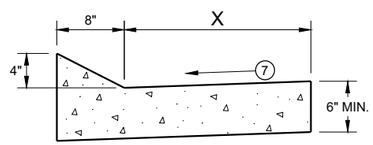
4" SLOPED CURB TYPES A[1] & D



4" SLOPED CURB TYPES R[1] & T[5]

CONCRETE CURB AND GUTTER 36"

TBT & TBTT	X
30"	22"
36"	28"

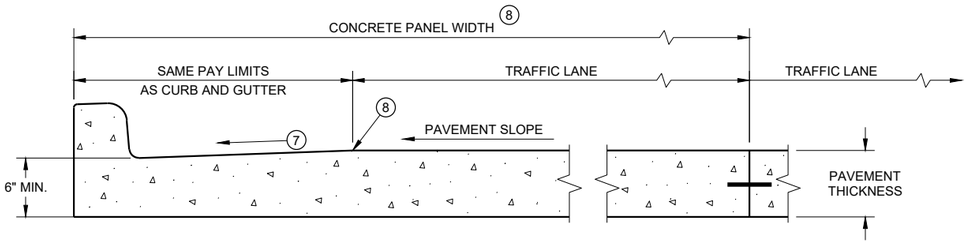


TYPES TBT & TBTT[1]

CONCRETE CURB AND GUTTER

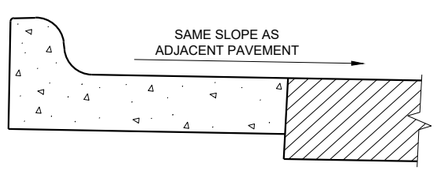
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

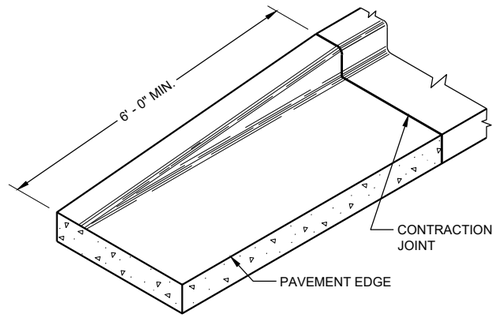
1. TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.
2. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
3. USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH 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

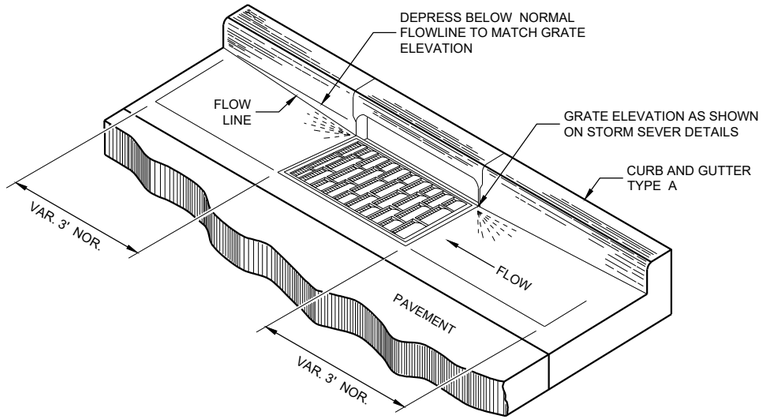
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D01 - 21a
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.

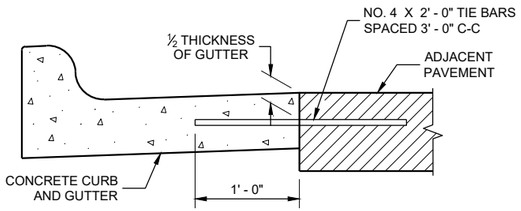
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

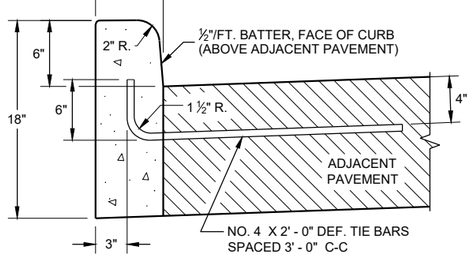
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(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.

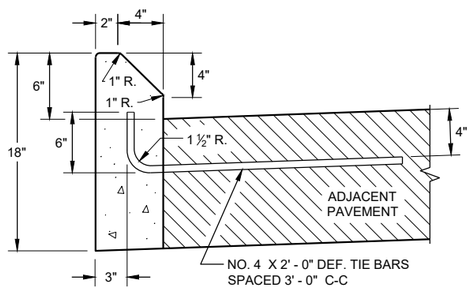
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

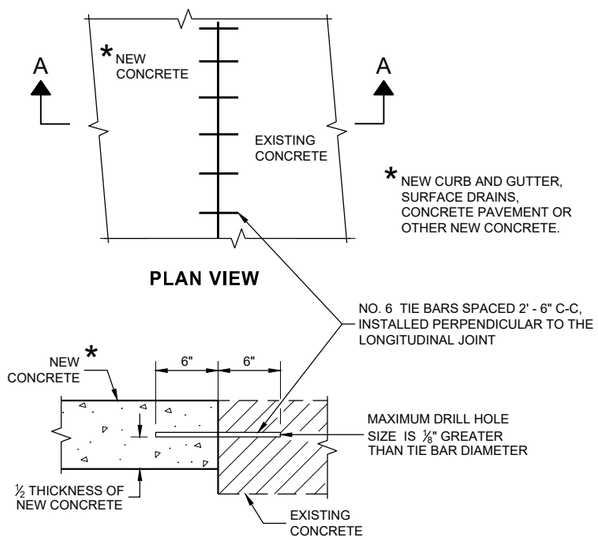


TYPES A (1) & D

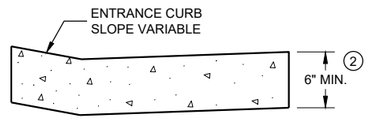


TYPES G (1) & J

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
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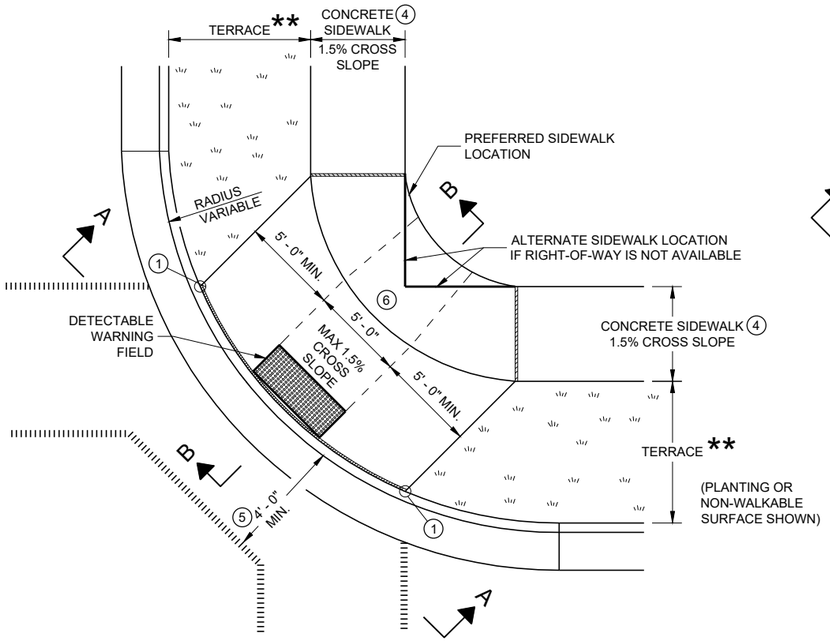
APPROVED
February 2020 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

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SDD08D01 - 21b

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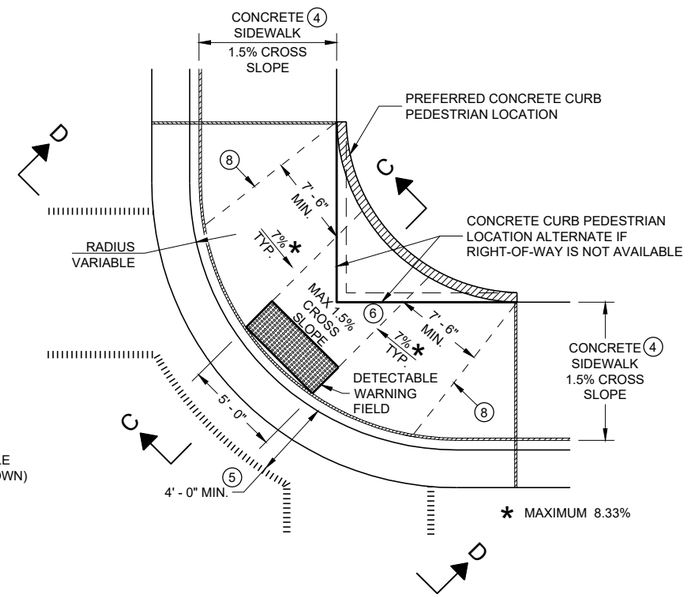
SDD08D01 - 21b



PLAN VIEW

CURB RAMP TYPE 1

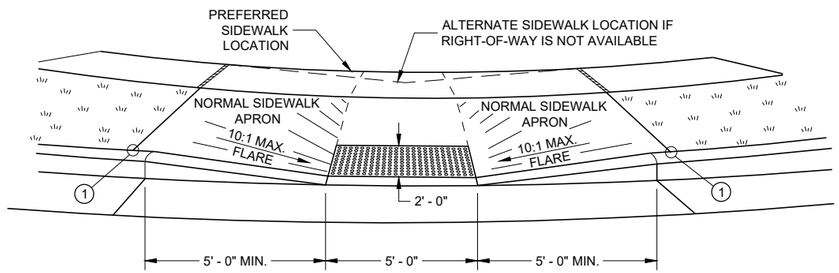
(CENTER OF CORNER RADIUS)



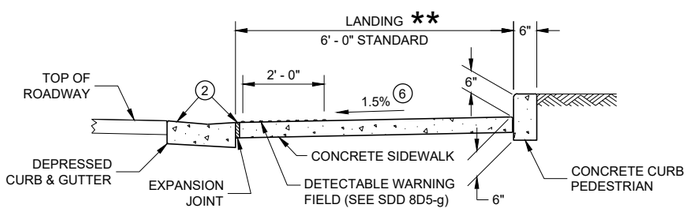
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

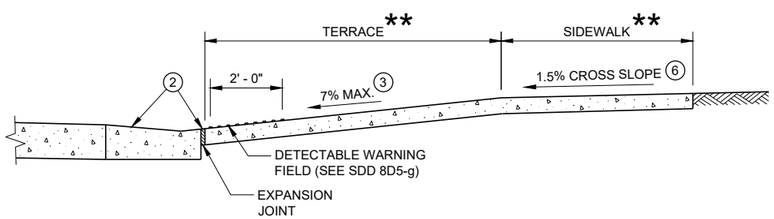


VIEW A - A FOR TYPE 1

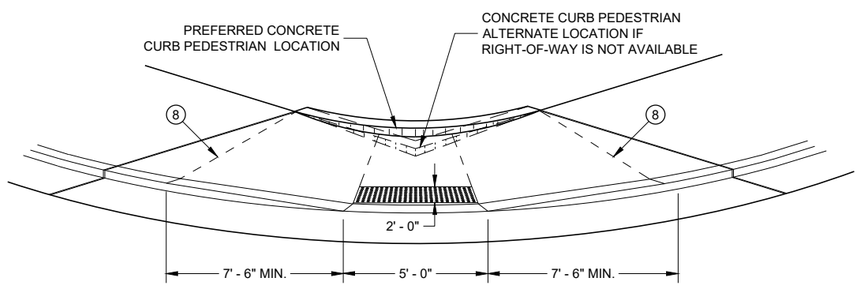


SECTION C - C FOR TYPE 1 - A

** 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

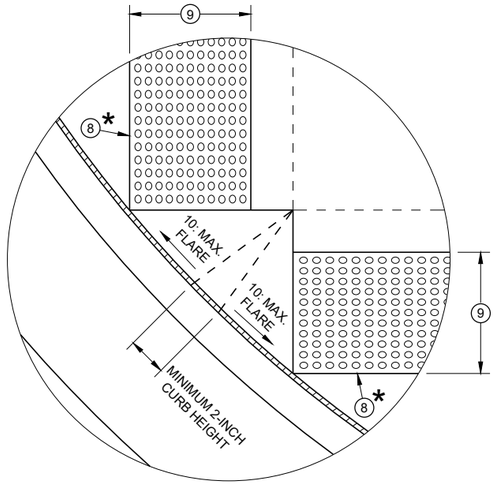
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 1 AND 1-A

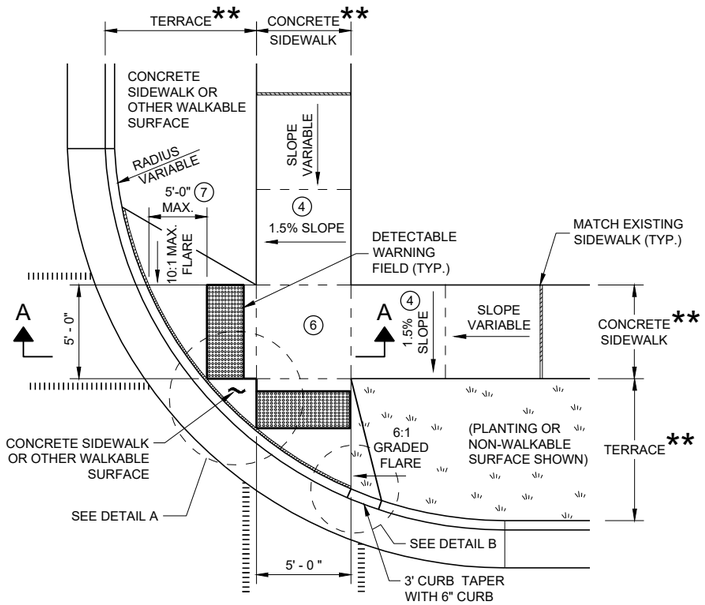
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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.

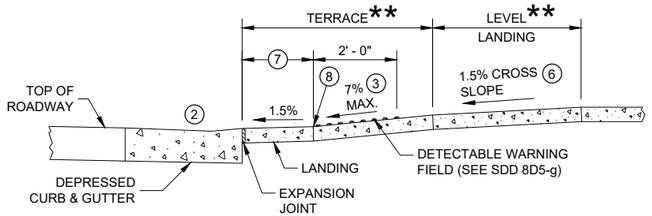
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(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.

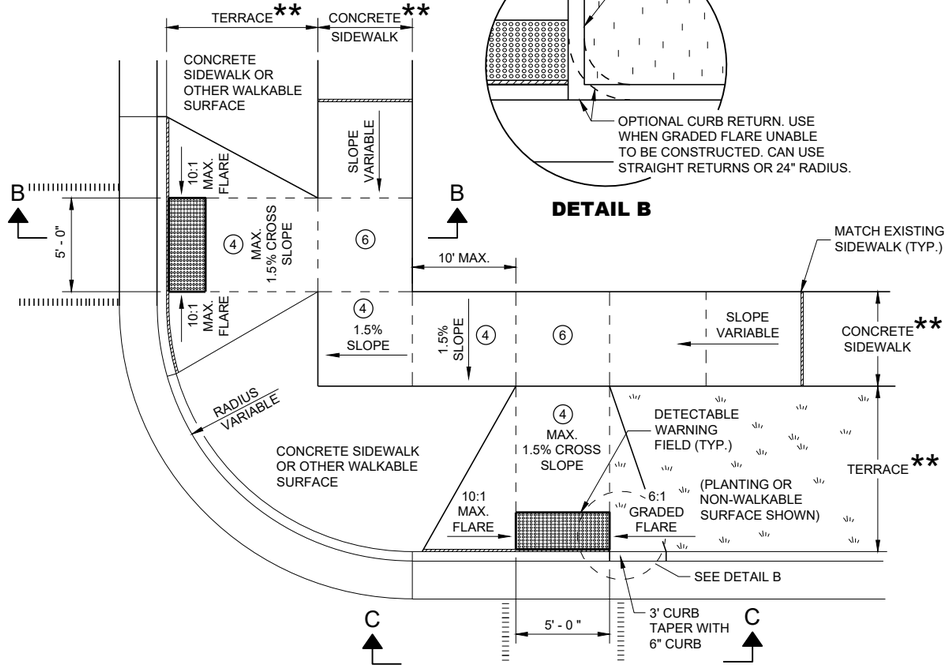
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

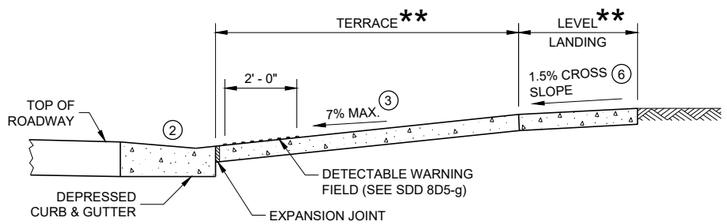
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS



DETAIL B

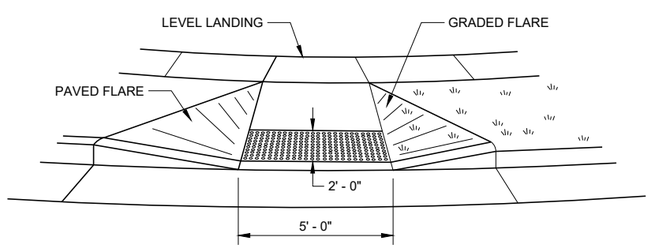
PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



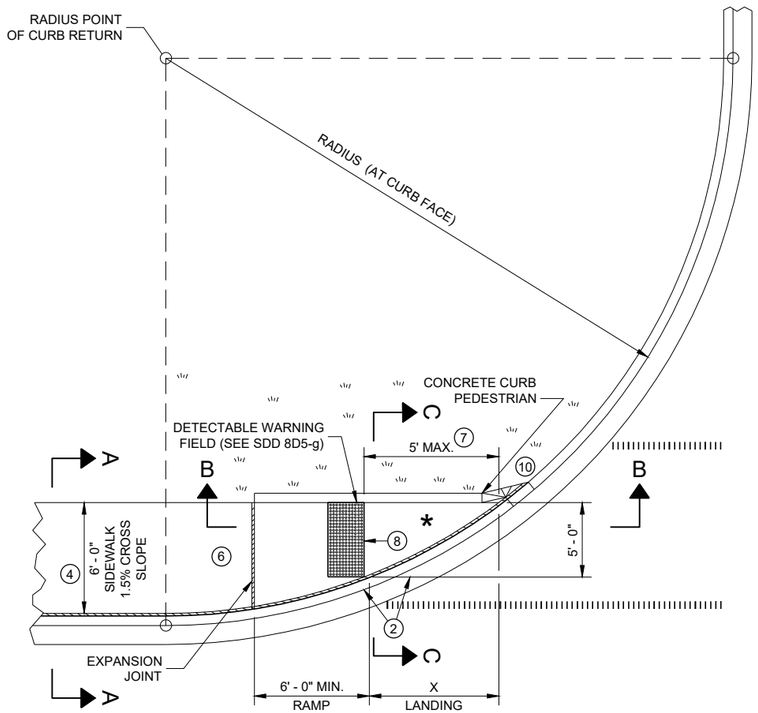
VIEW C - C FOR TYPE 3

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 08D05 - 20b

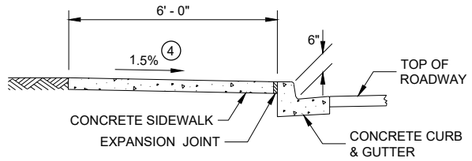


PLAN VIEW

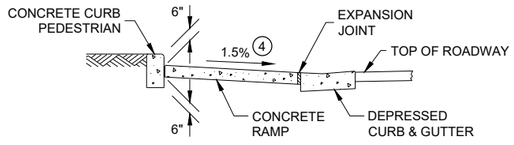
CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

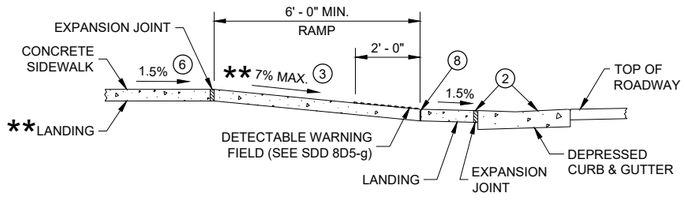
INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A



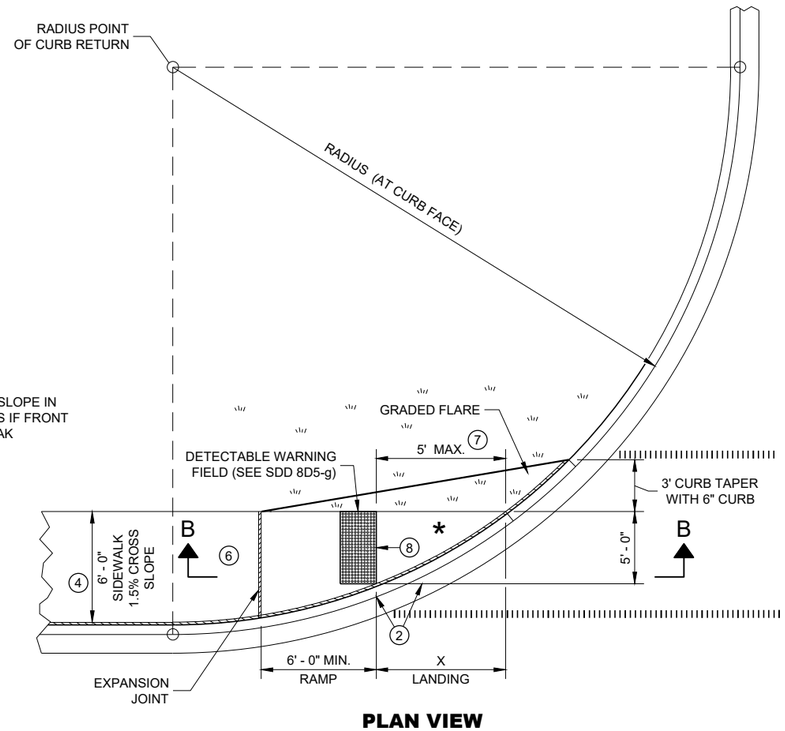
SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK



PLAN VIEW

CURB RAMP TYPE 4A1

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.

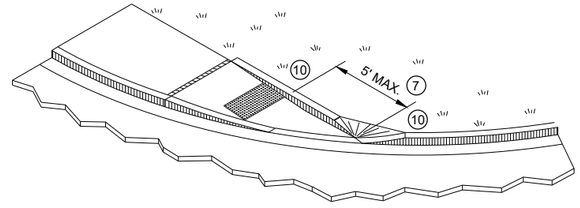
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

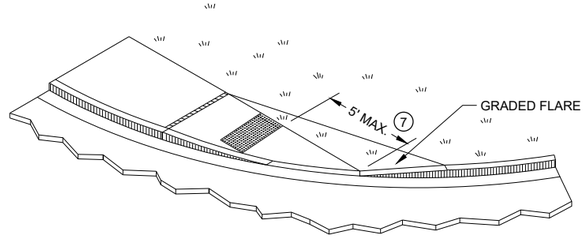
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



ISOMETRIC VIEW FOR TYPE 4A



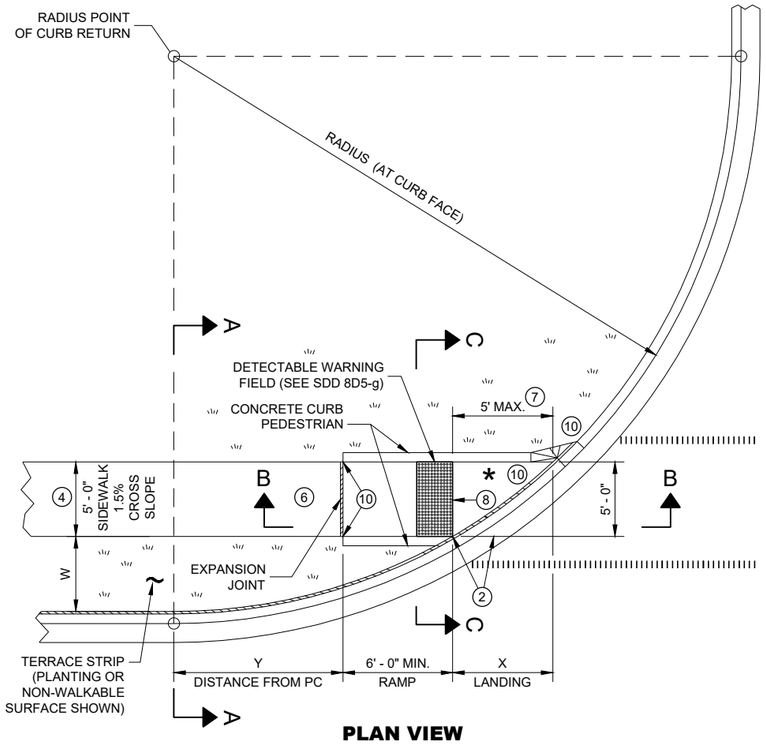
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 08D05 - 20c

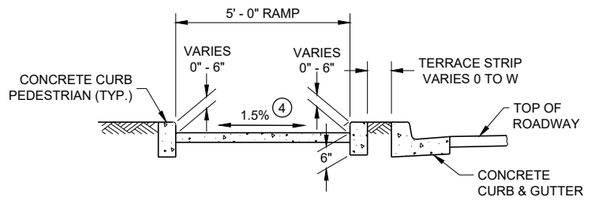


PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C - C FOR TYPE 4B

LEGEND

½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

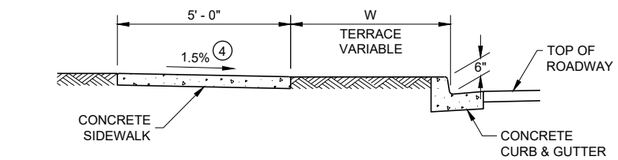
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

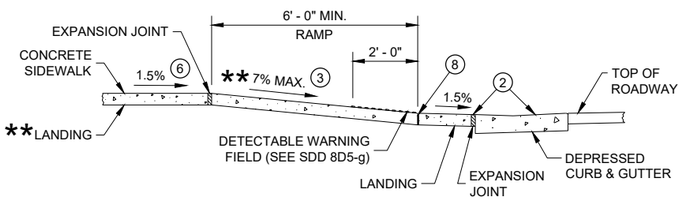
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



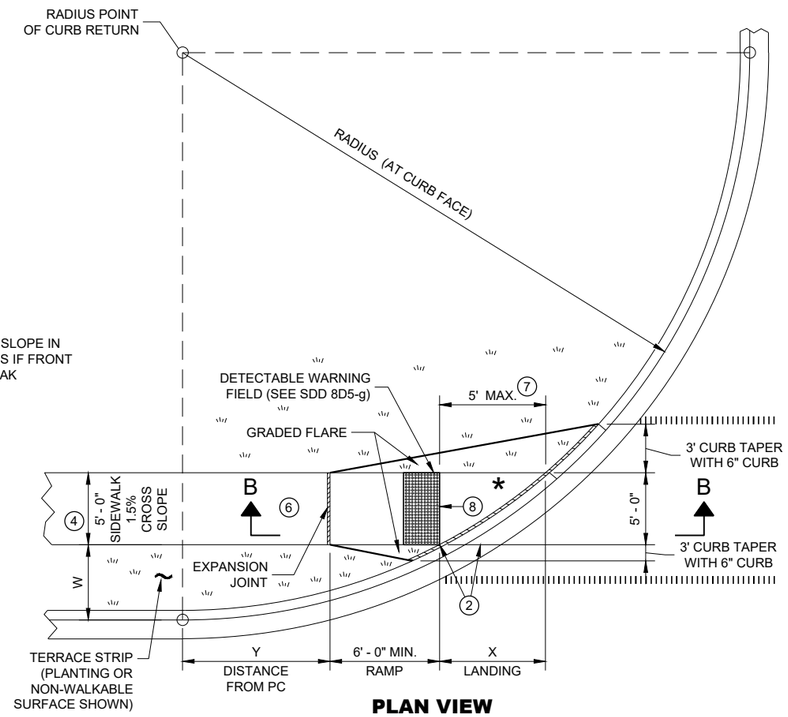
SECTION A - A FOR TYPE 4B



** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

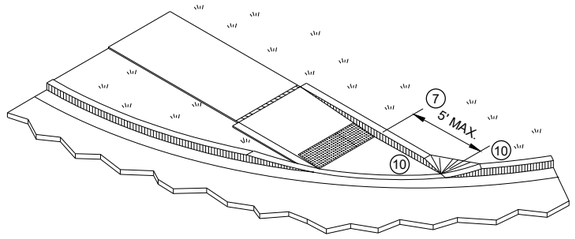
SECTION B - B FOR TYPE 4B AND TYPE 4B1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

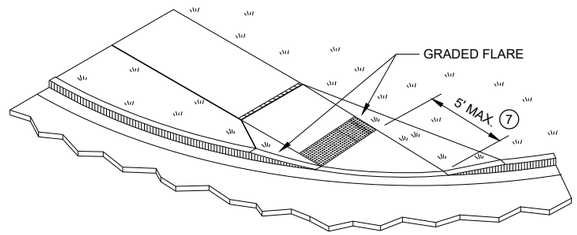


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



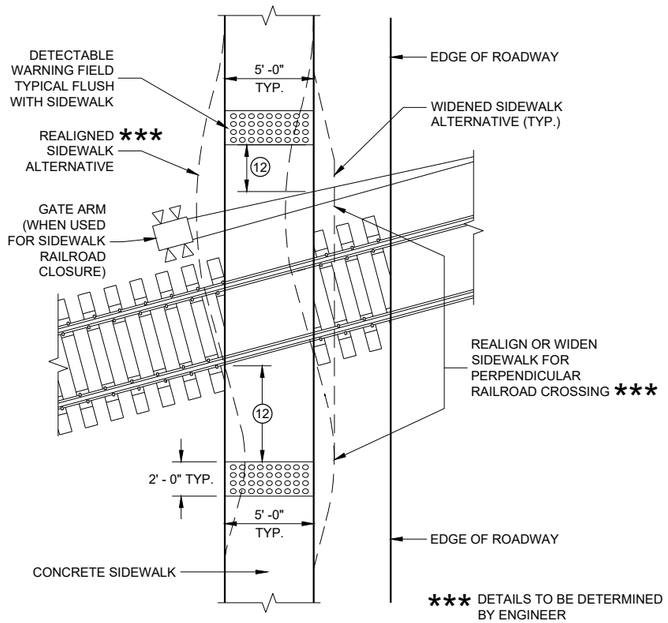
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

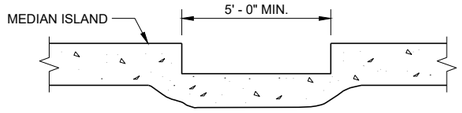
6

SDD 08D05 - 20d

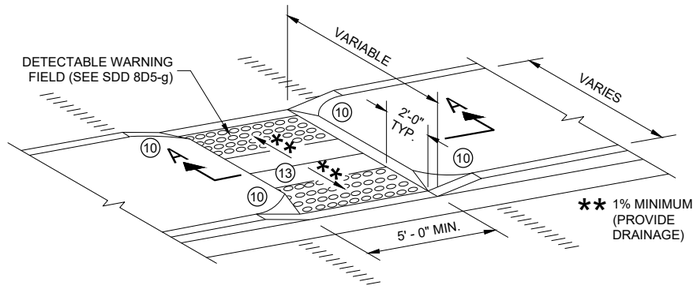


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ½ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

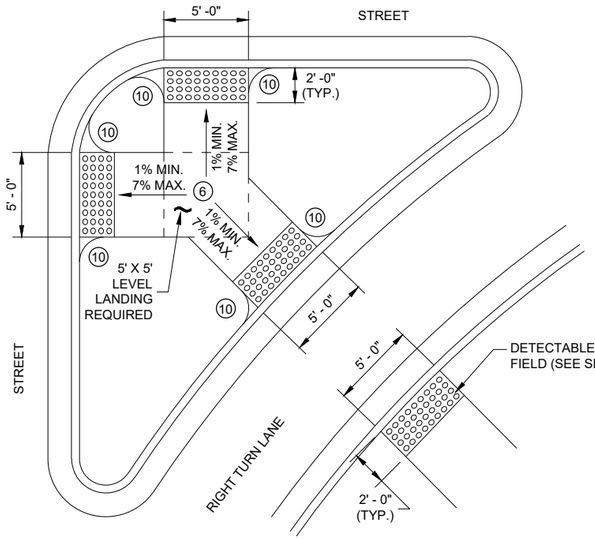
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

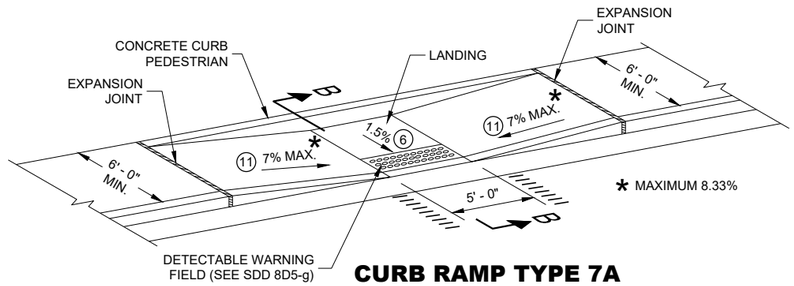
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

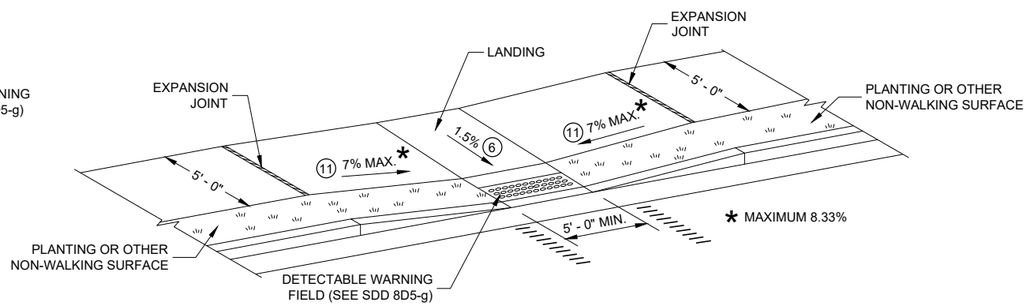
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

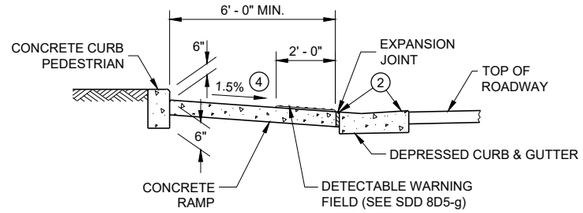
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.



SECTION B - B FOR TYPE 7A

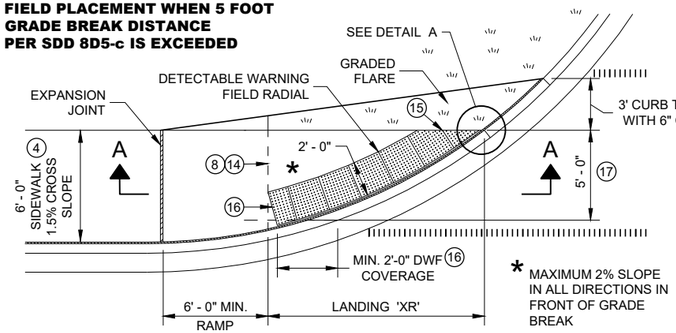
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20e

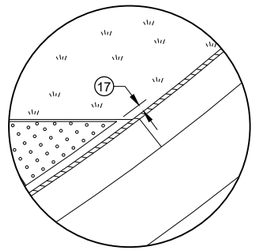
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



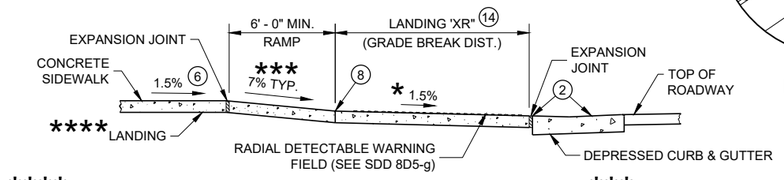
PLAN VIEW

CURB RAMP TYPE 4A1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL A

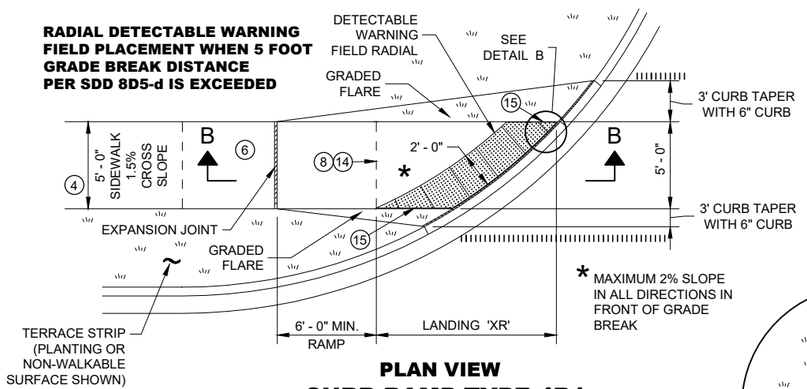


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1

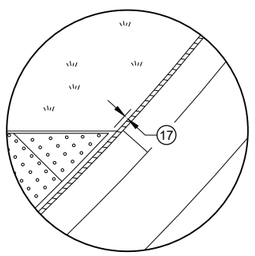
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



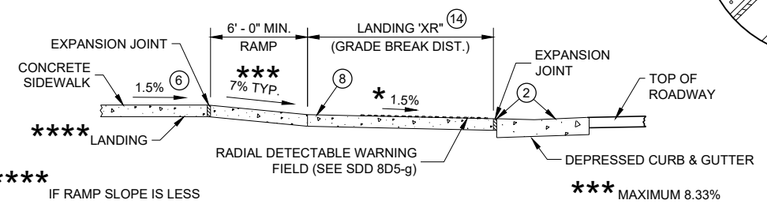
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

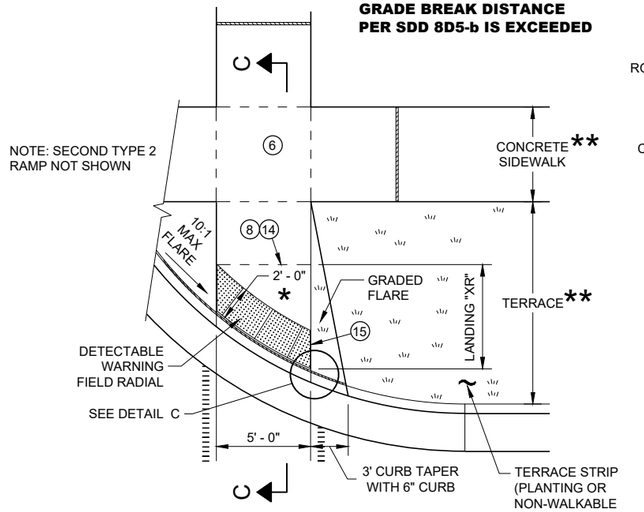
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 3 INCH CONCRETE BORDER WITH IS ALLOWABLE IN FROM OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

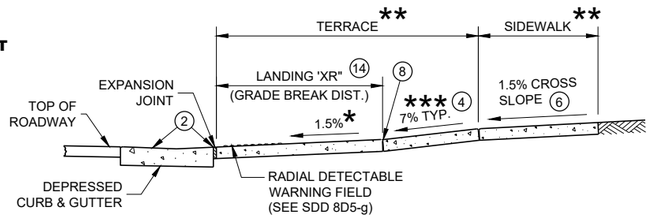


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

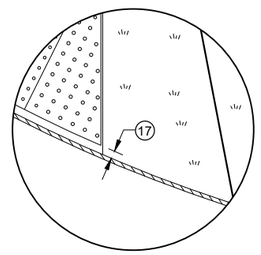


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

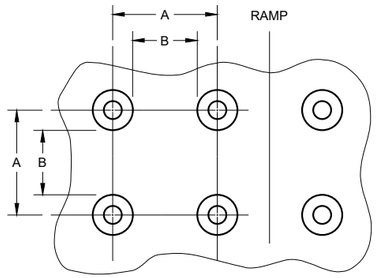
CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

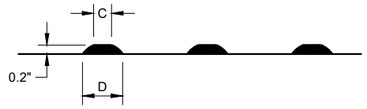
SDD 08D05 - 20f

	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.

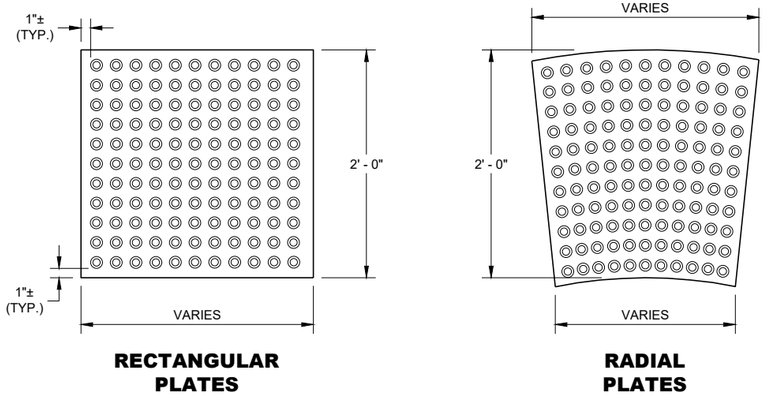


PLAN VIEW



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.

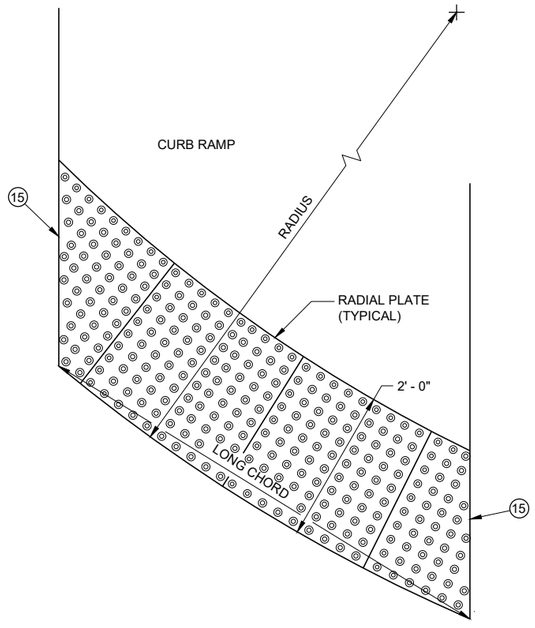
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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.

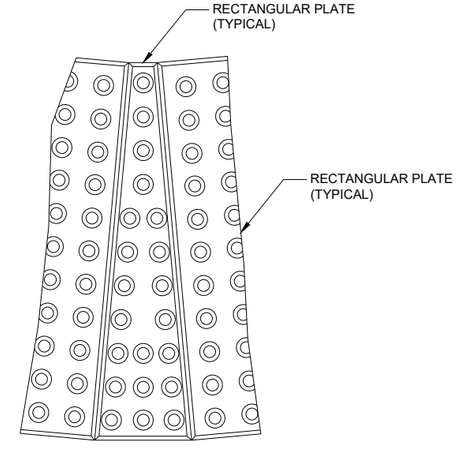
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

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

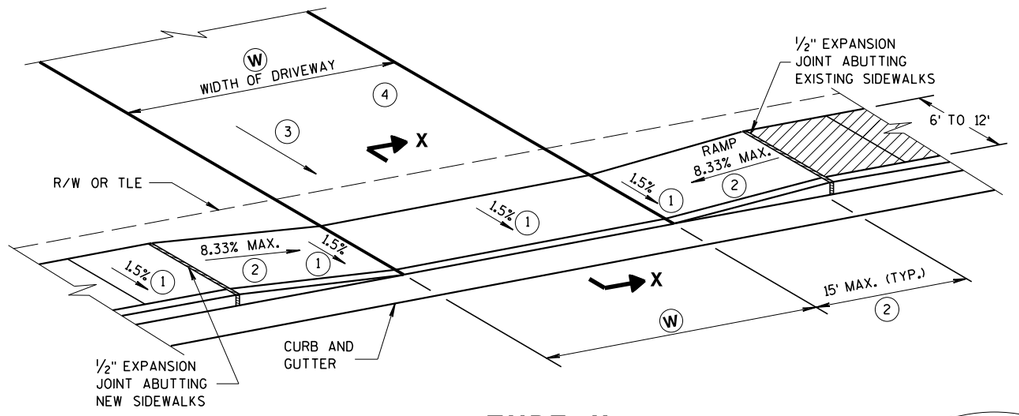
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

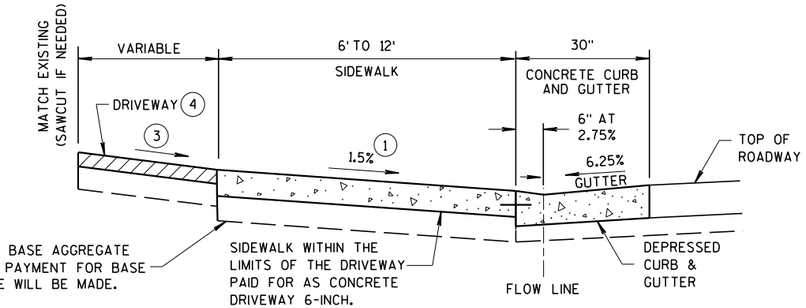
FHWA

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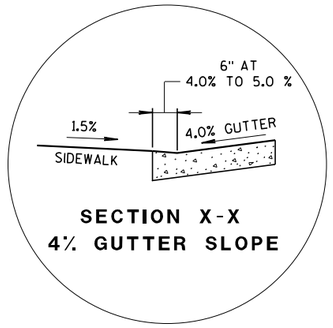
SDD 08D05 - 20g



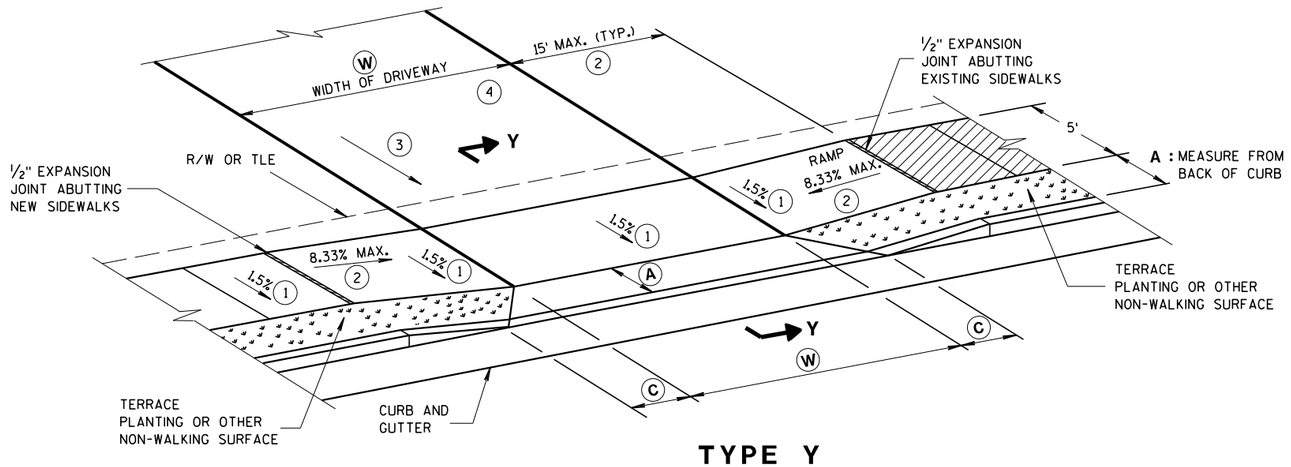
TYPE X
SIDEWALK ABUTS CURB & GUTTER
TERRACE VARIES 0 TO 3 FEET



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.

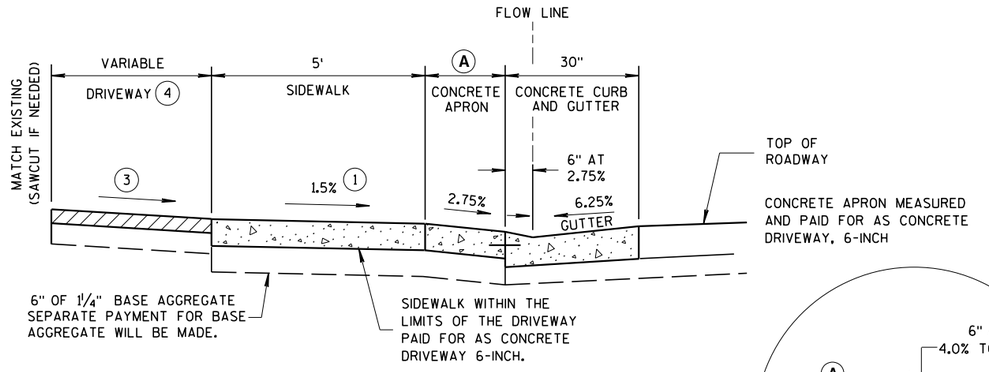
OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(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.

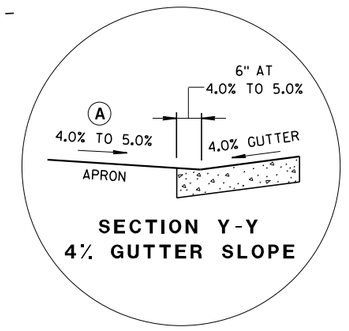
(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

(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 DEVELOPMENT UNIT SUPERVISOR
FHWA

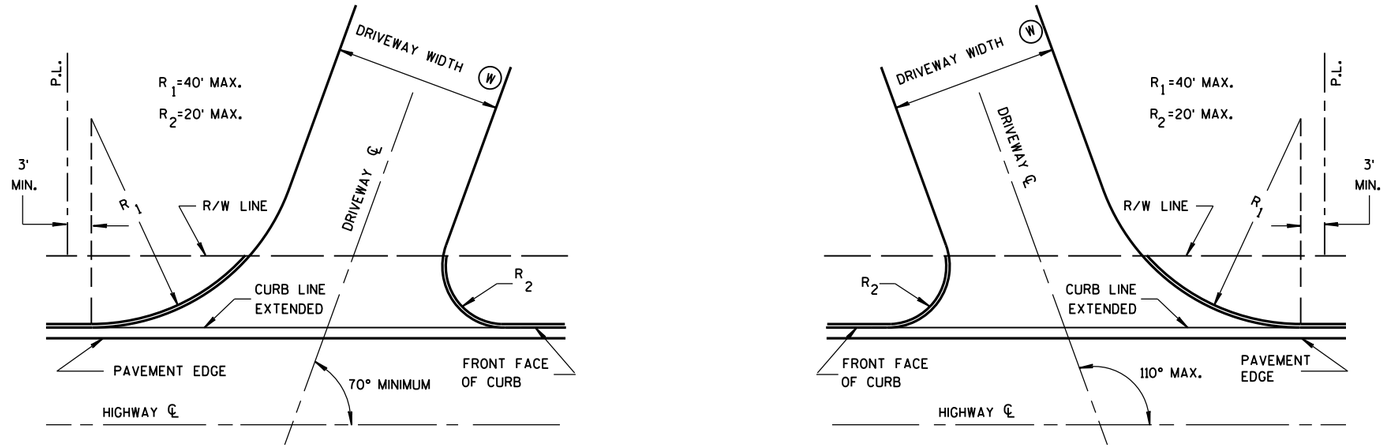
337

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S.D.D. 8 D 18-2

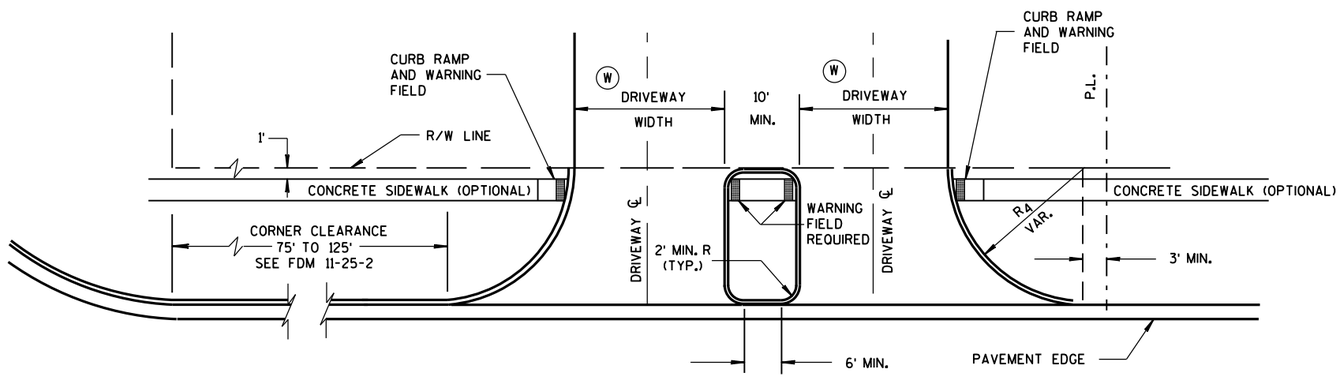
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S.D.D. 8 D 18-2



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.

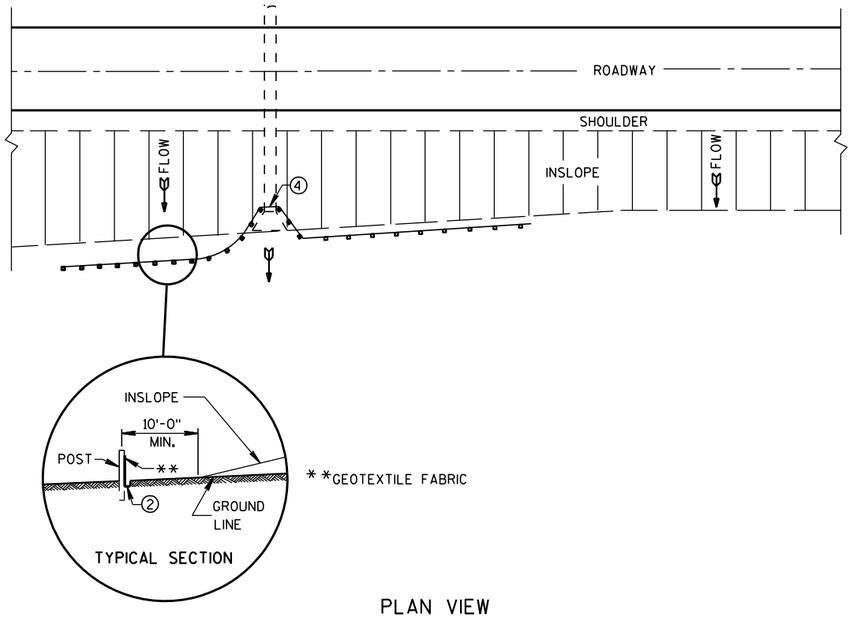
DRIVEWAYS WITH CURB & GUTTER RETURNS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December, 2016 /S/ Rodney Taylor
DATE ROADWAY STANDARDS UNIT SUPERV
FHWA

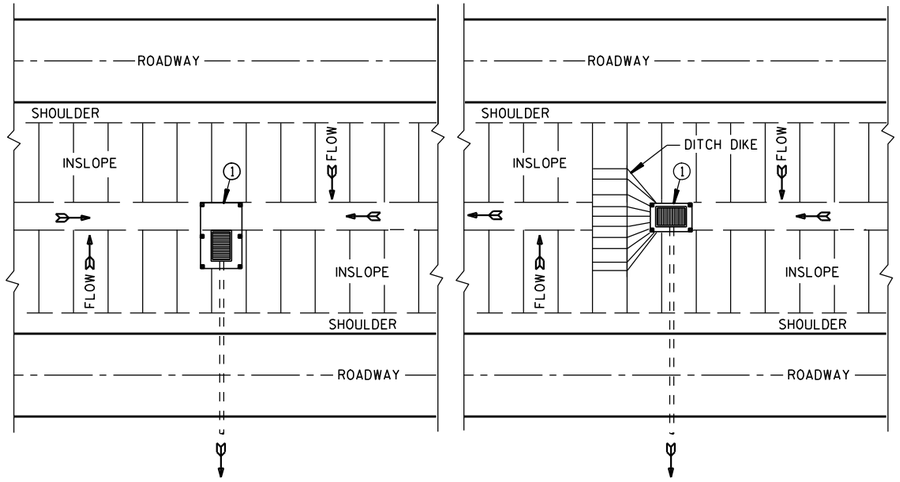
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S.D.D. 8 D 20-1



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

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

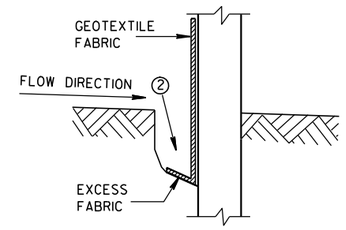
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

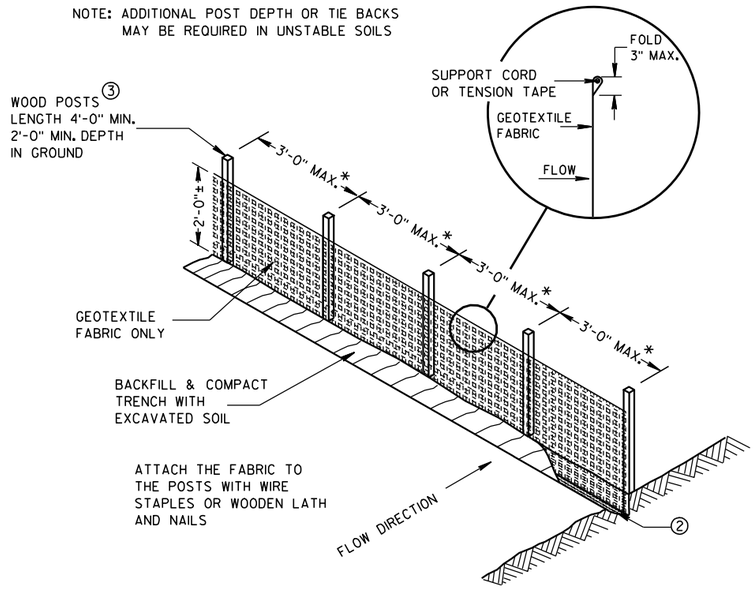
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

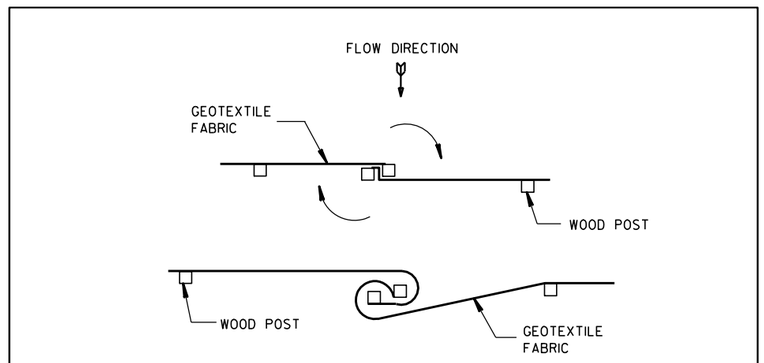
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



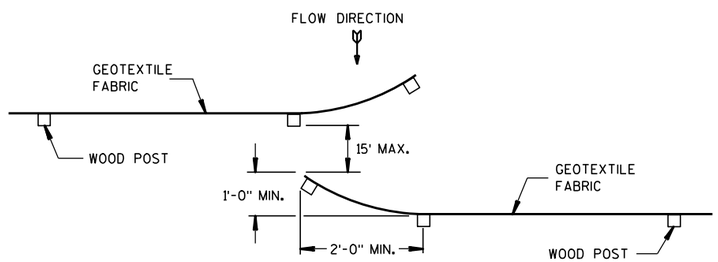
TRENCH DETAIL



SILT FENCE

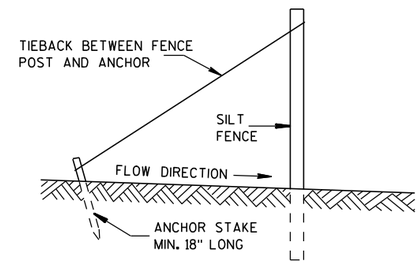


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

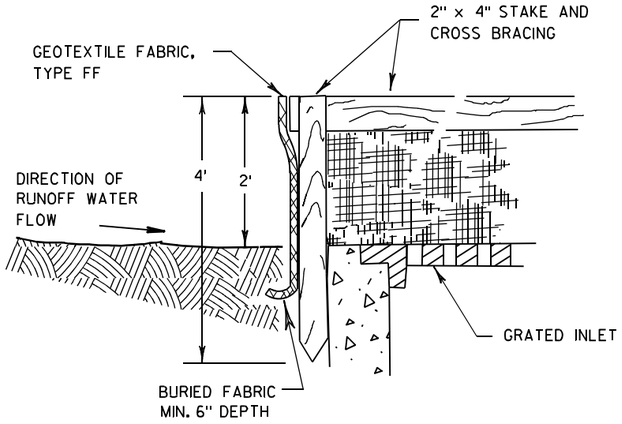
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

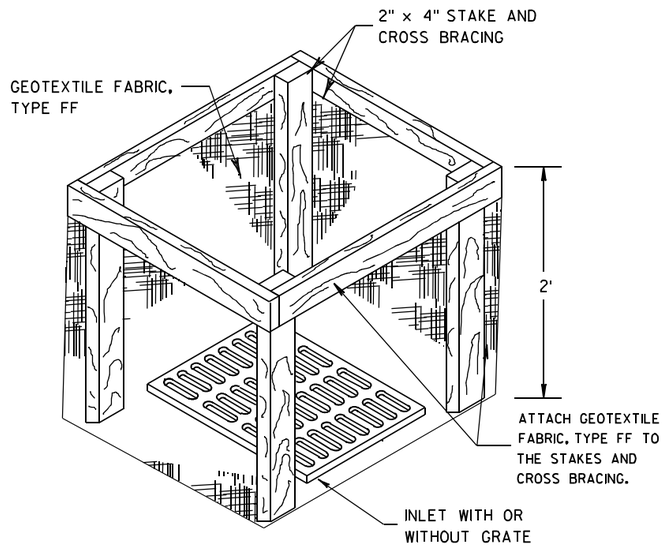
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S.D.D. 8 E 9-6

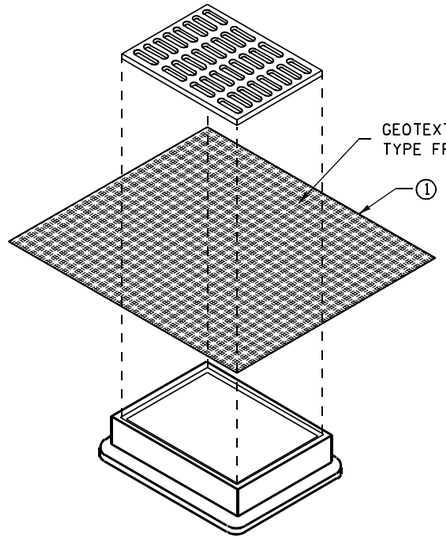
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S.D.D. 8 E 9-6



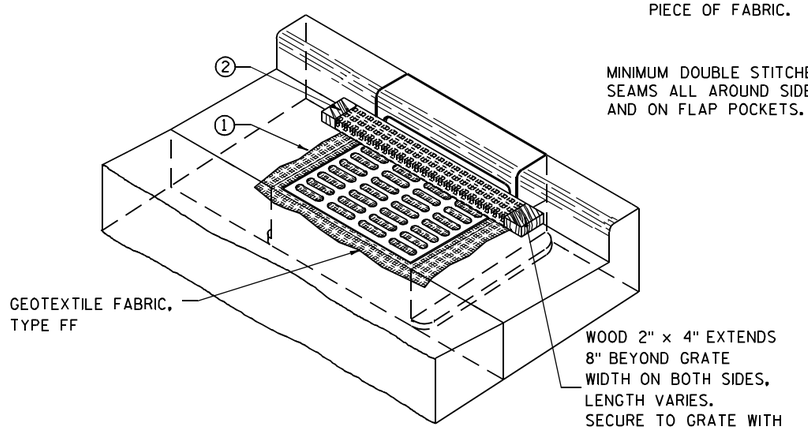


INLET PROTECTION, TYPE A

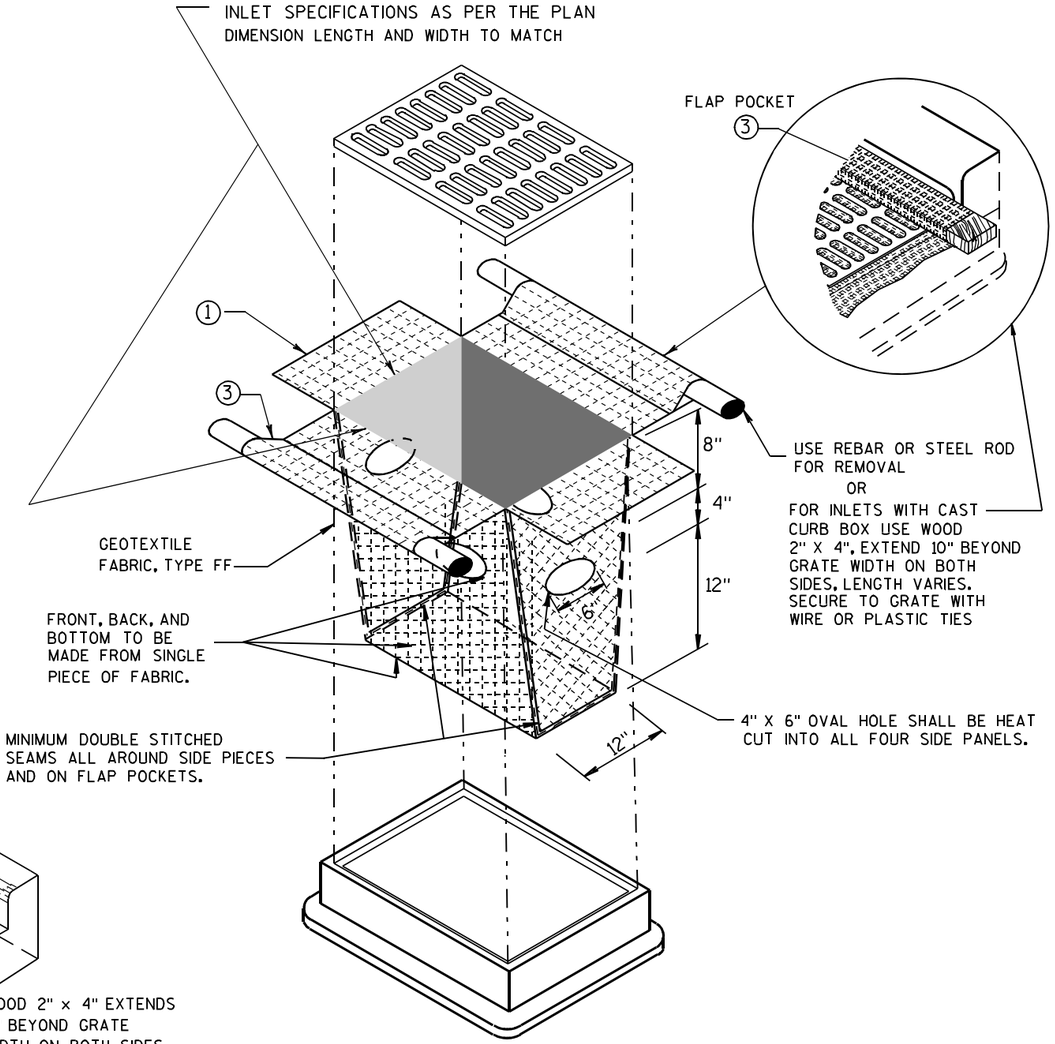


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

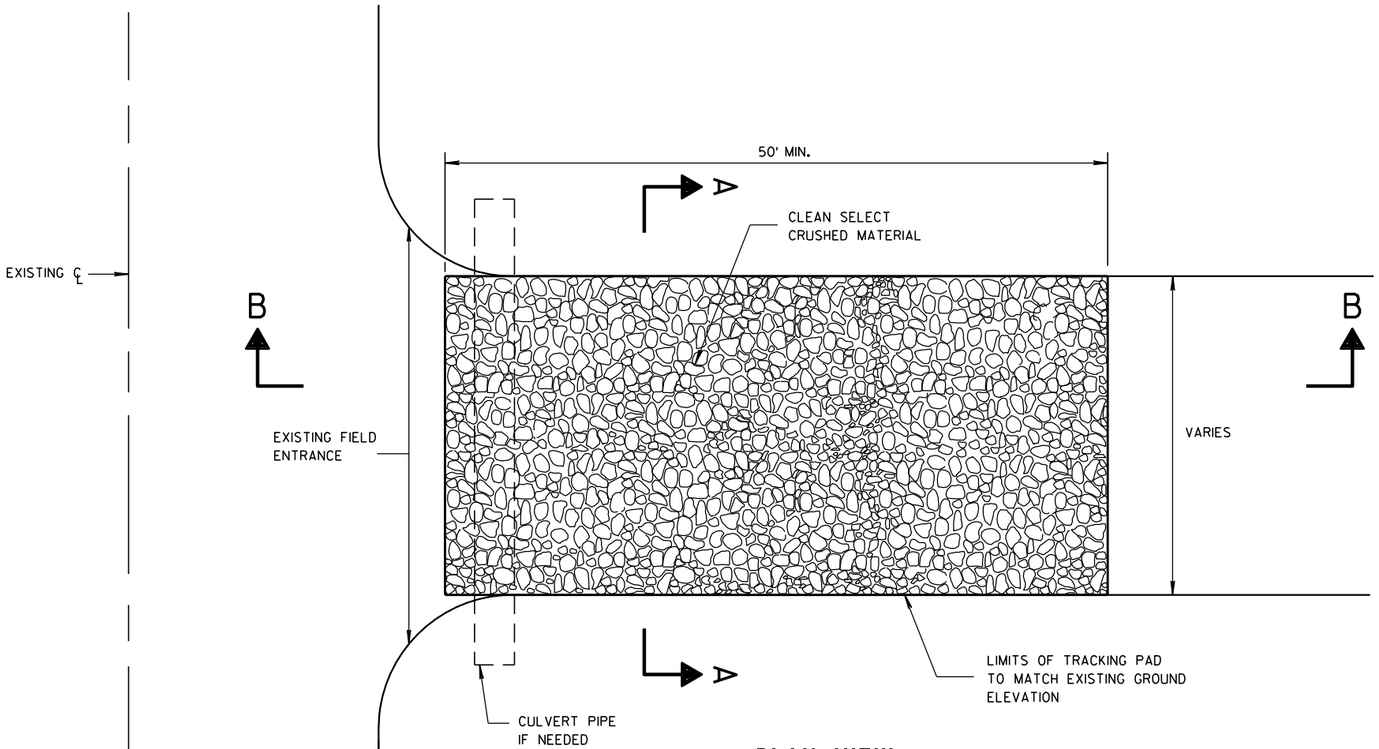
FHWA

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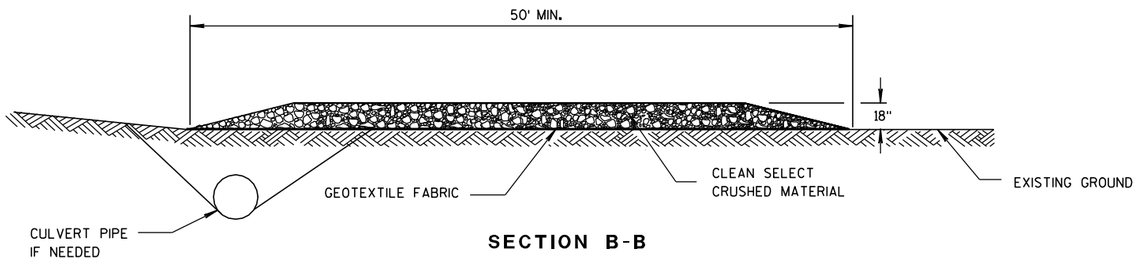
S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2



PLAN VIEW



SECTION B-B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

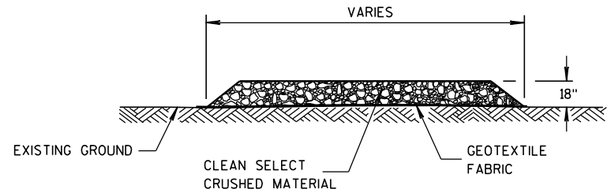
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

TRACKING PAD

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS ENGINEER
FHWA

6

S.D.D. 8 E 14-1

6

S.D.D. 8 E 14-1

METAL APRON ENDWALLS

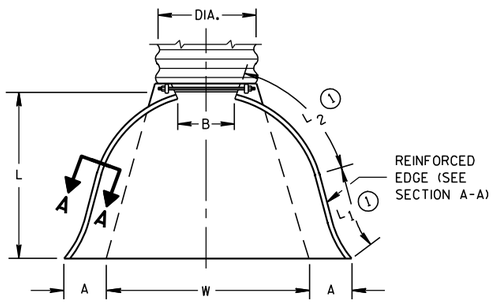
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

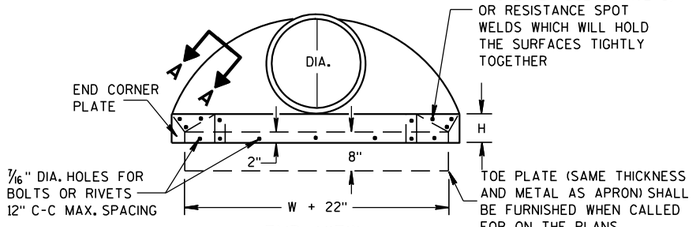
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

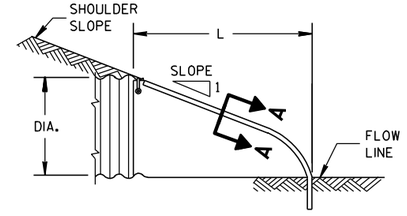
*MINIMUM
**MAXIMUM



PLAN VIEW

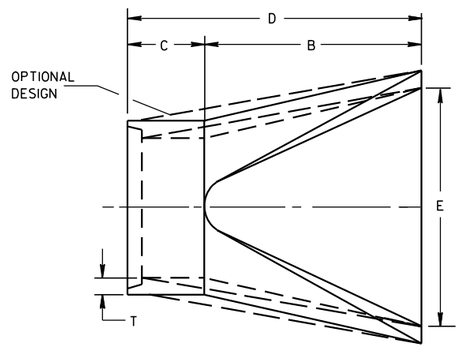


END VIEW

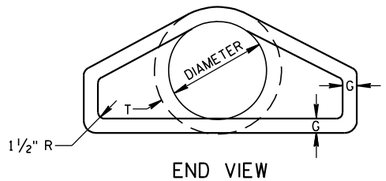


SIDE ELEVATION

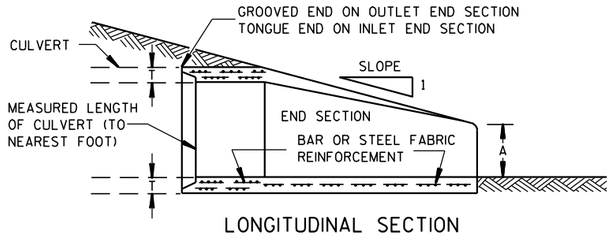
METAL ENDWALLS



PLAN

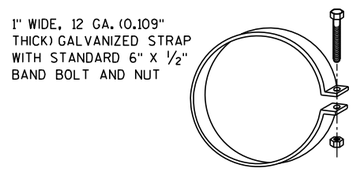


END VIEW



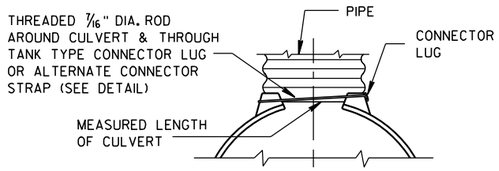
LONGITUDINAL SECTION

CONCRETE ENDWALLS

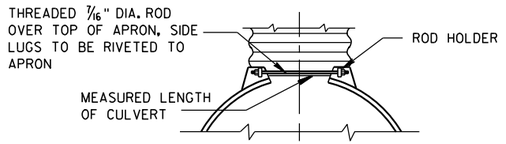


ALTERNATE FOR TYPE 1 CONNECTION

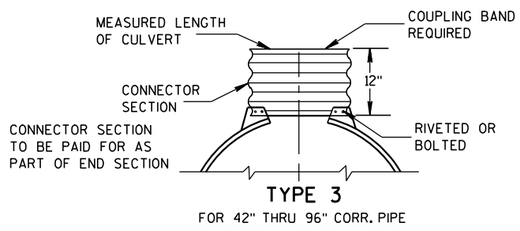
END SECTION CONNECTOR STRAP



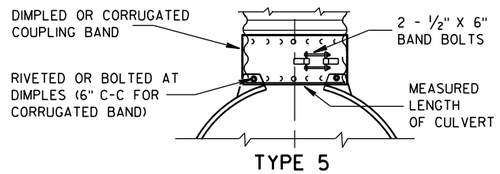
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

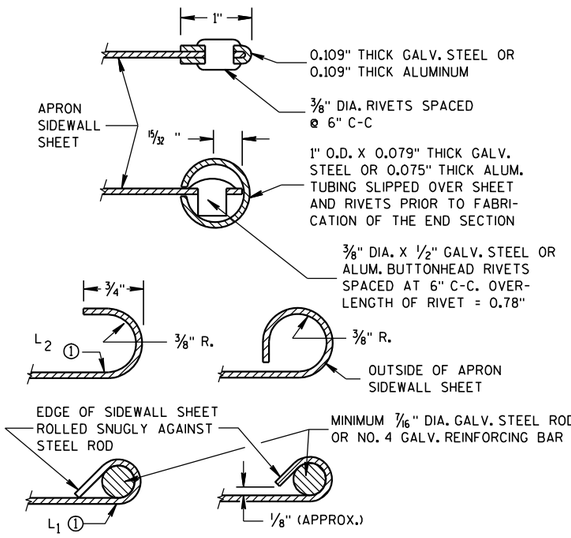
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

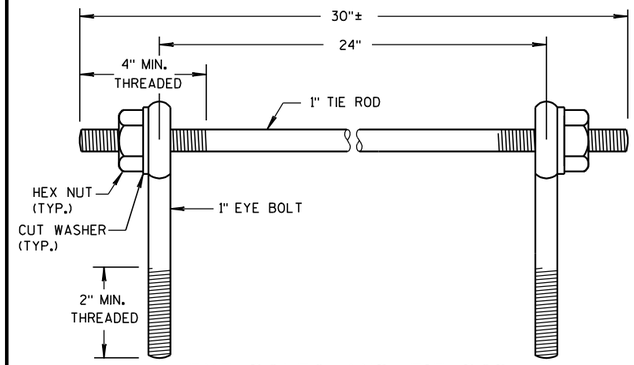
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

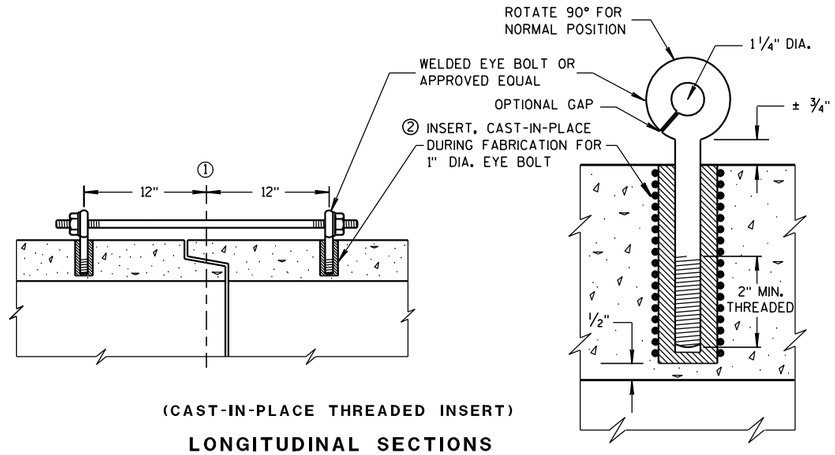
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

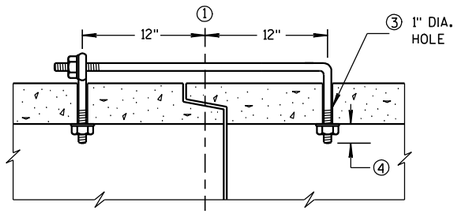
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

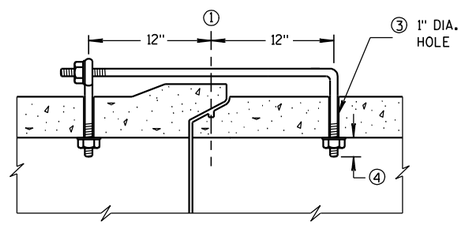
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

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)

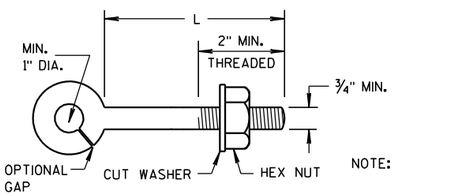


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

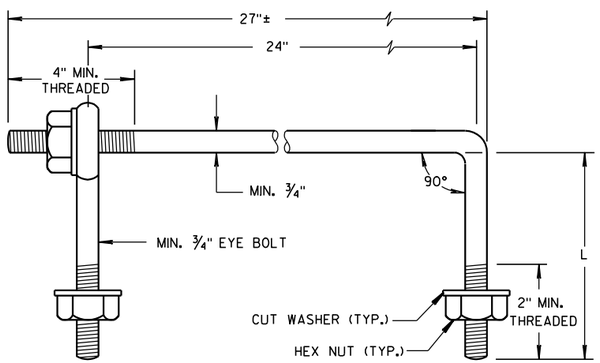
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

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

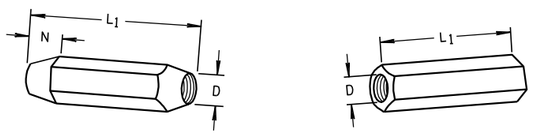
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

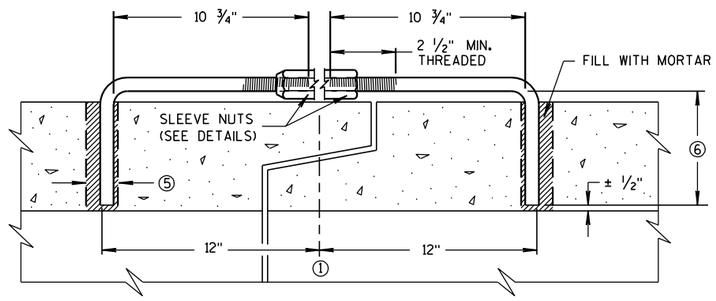
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

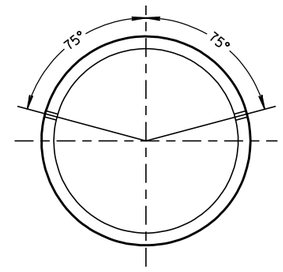
SLEEVE NUTS



LONGITUDINAL SECTION

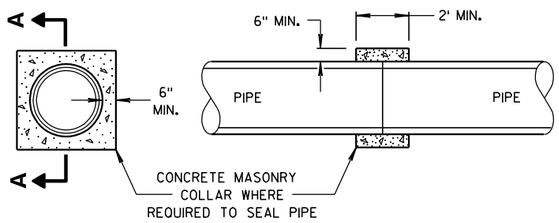
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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

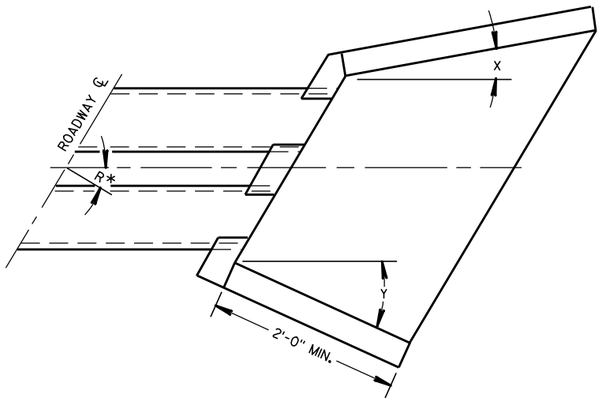
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
343
FHWA

6

S.D.D. 8 F 4-7



WINGWALL ANGLE DETAILS

INLET			OUTLET		
R*	X	Y	R*	X	Y
0 - 7°	30°	30°	0 - 15°	15°	15°
8 - 22°	25°	"	16 - 45°	10°	"
23 - 37°	20°	"	46 - 75°	5°	"
38 - 52°	15°	"	OVER 75°	0°	"
53 - 67°	10°	"			
68 - 82°	5°	"			
OVER 82°	0°	"			

*R = NUMBER OF DEGREES RIGHT OR LEFT HAND FORWARD

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.

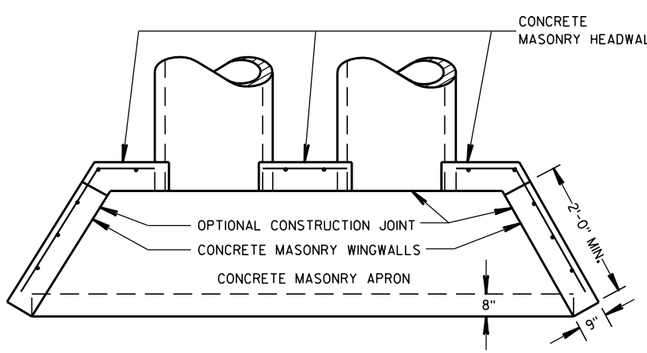
FILL SLOPES FLATTER THAN 2 ½:1 SHALL BE WARPED TO MEET THE TOP OF THE WINGWALLS.

ALL STEEL REINFORCEMENT AND WELDED STEEL WIRE FABRIC SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE NOTED.

(1) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS SPACED 12" C-C IN BOTH DIRECTIONS.

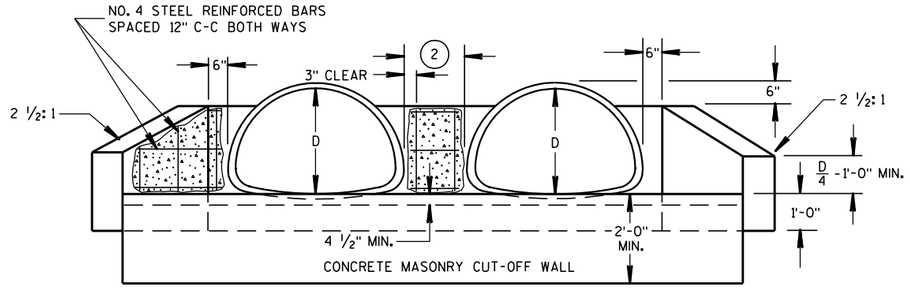
(2) THE SPACE BETWEEN PIPES SHALL BE AS FOLLOWS:

DIAMETER OR SPAN	SPACE
UP TO AND INCLUDING 48"	2'-0"
OVER 48" TO 72"	½ DIA. OR SPAN
OVER 72"	3'-0"



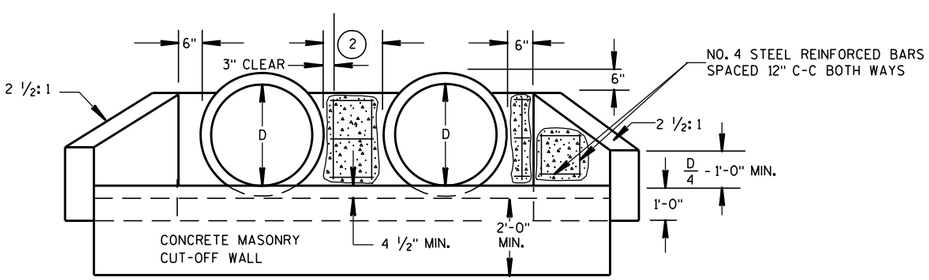
PLAN VIEW

CULVERT PIPE AND PIPE ARCH



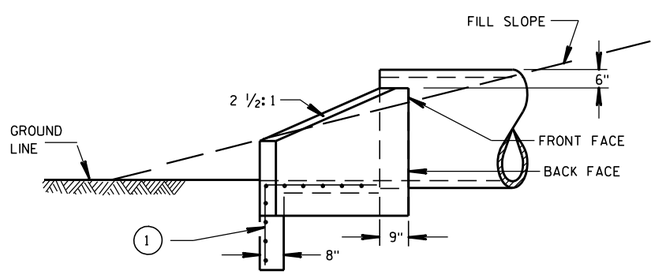
END ELEVATION

PIPE ARCH



END ELEVATION

CULVERT PIPE



SIDE ELEVATION

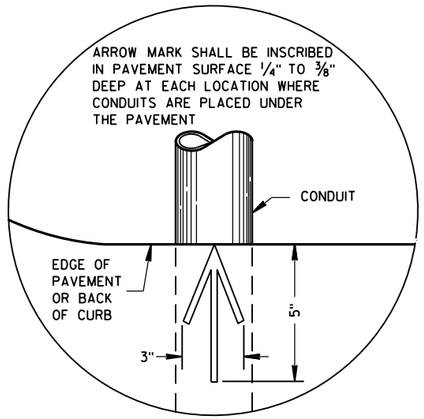
CULVERT PIPE AND PIPE ARCH

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

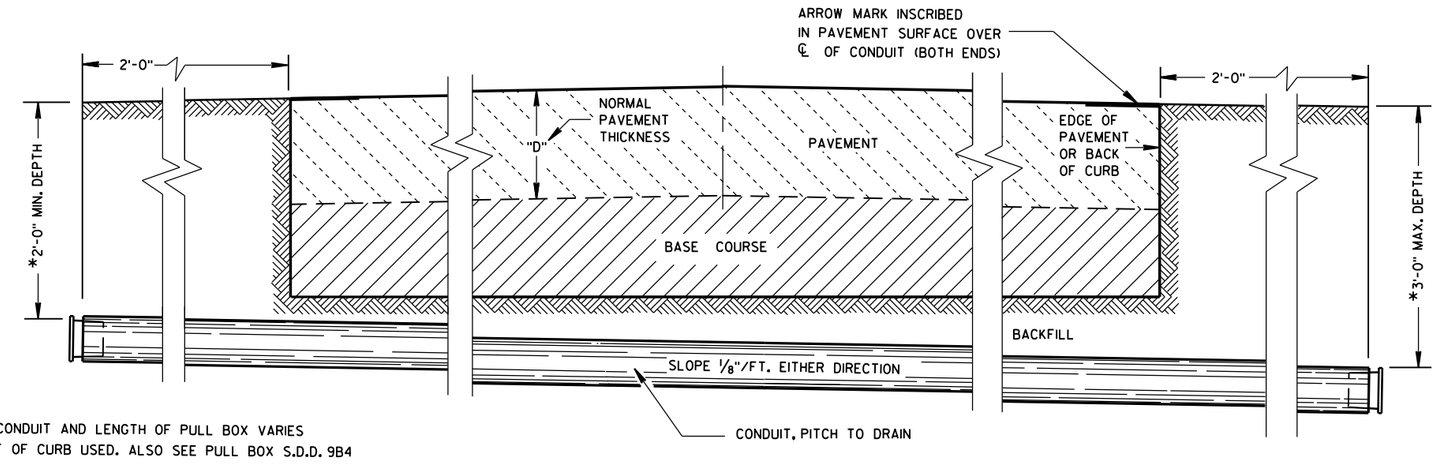
APPROVED
9/14/98 DATE
/S/ Rory L. Rhinehart
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 10-1



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 345
FHWA

6

S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		NON-CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 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".

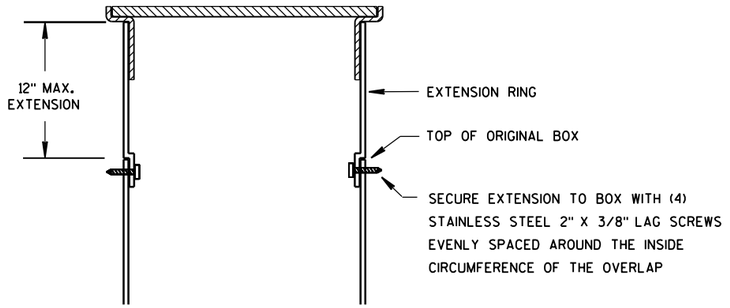
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

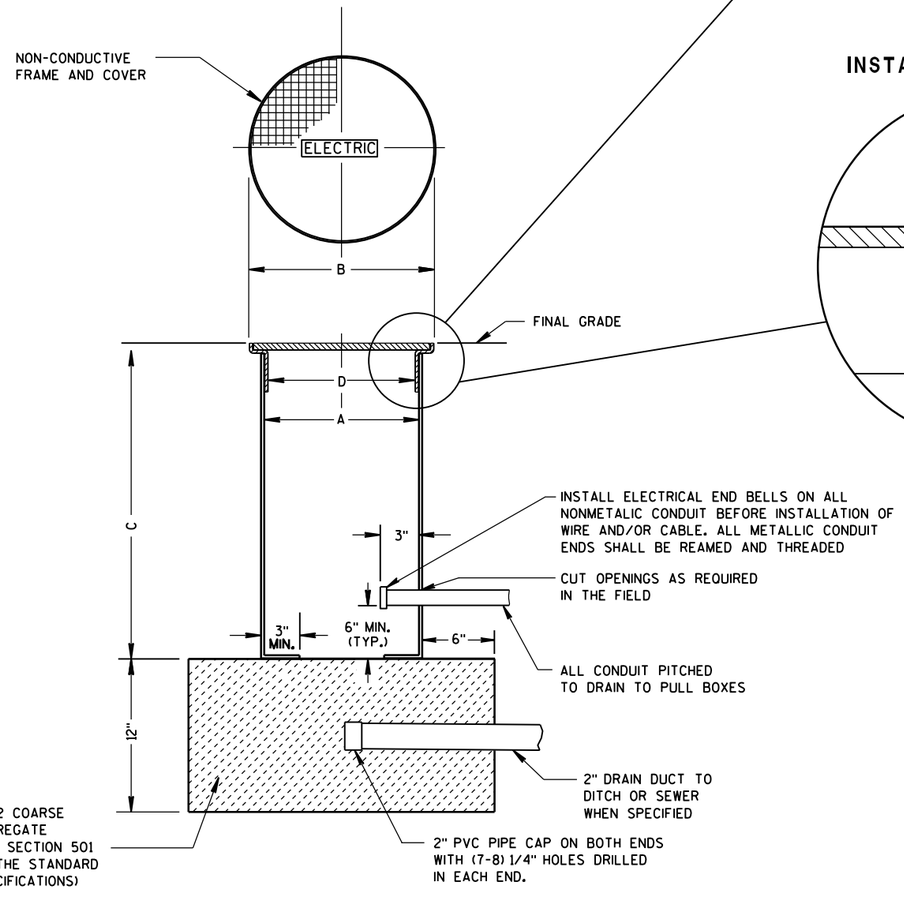
ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

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.

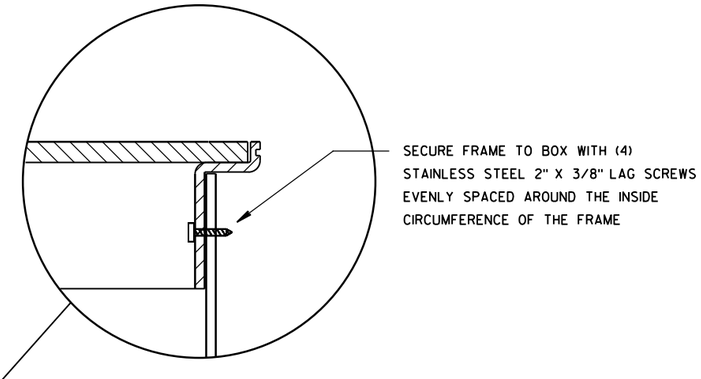


BOX EXTENSION

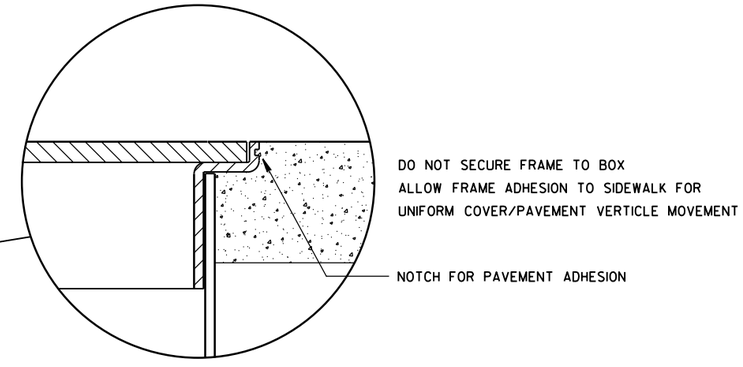


NON-CONDUCTIVE PULL BOX

INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



PULL BOX
NON-CONDUCTIVE

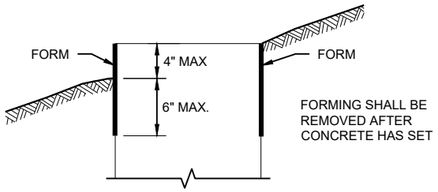
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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.

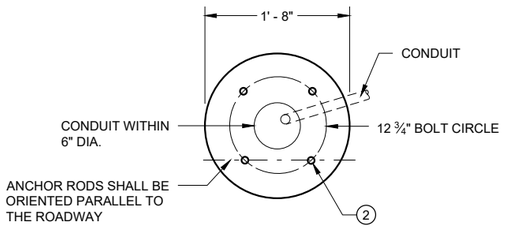
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

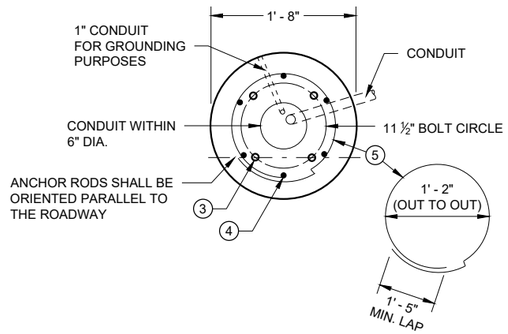
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

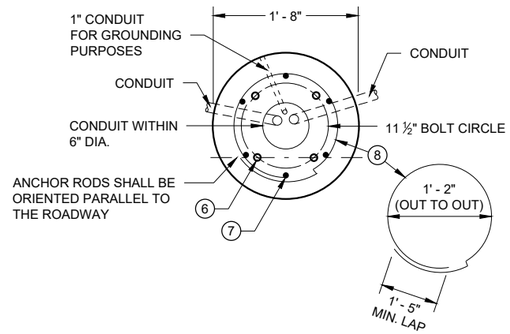
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

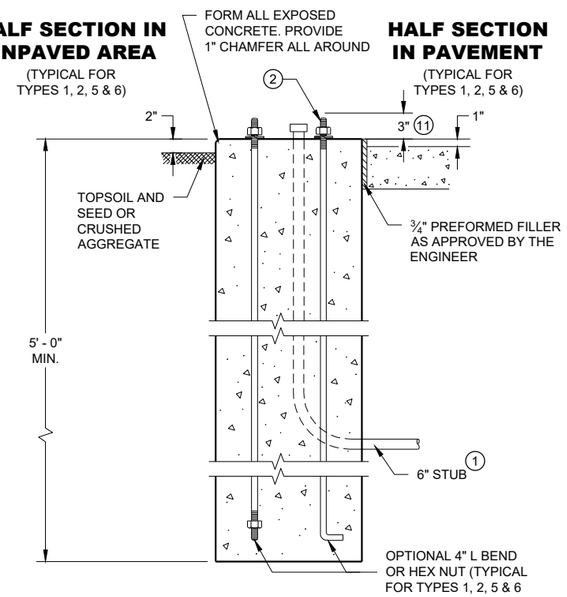
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

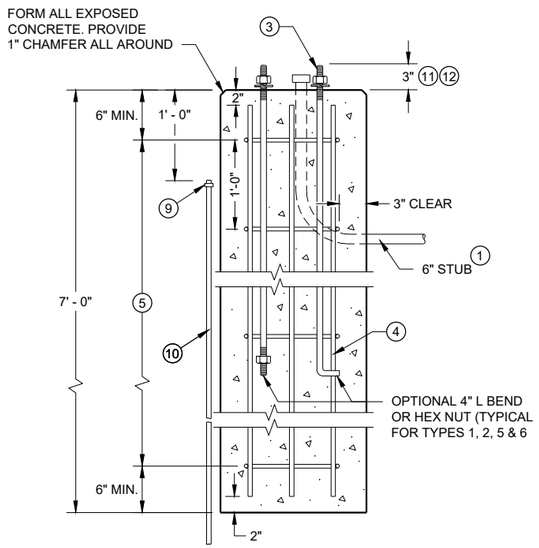
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

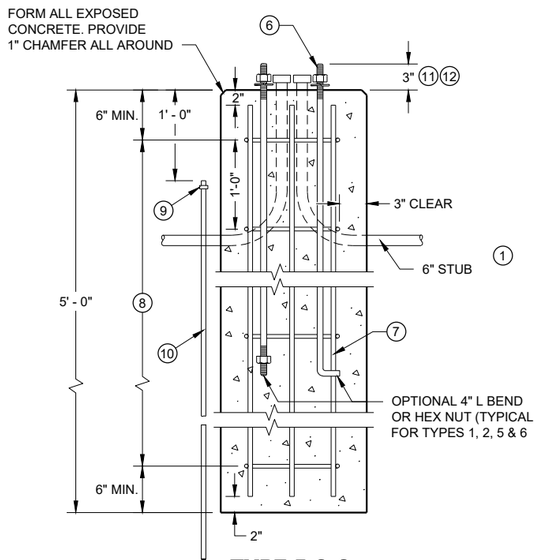
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



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 347

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.

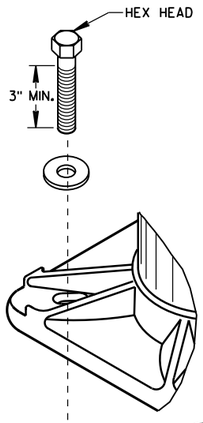
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

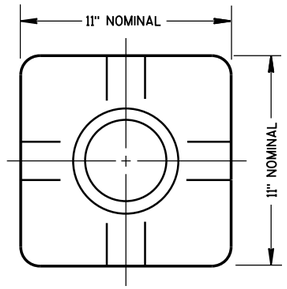
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

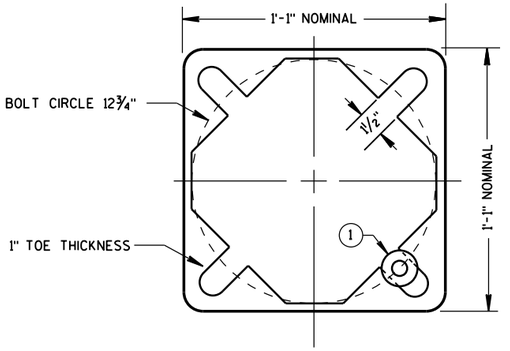
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

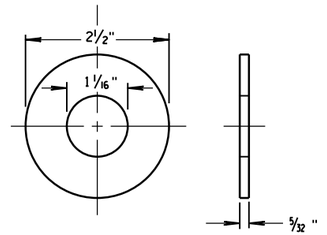




TOP VIEW
(PEDESTAL BASE)

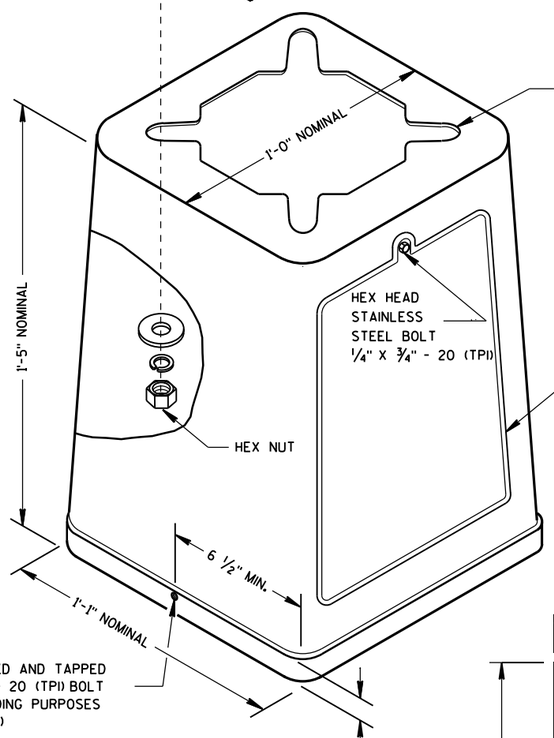


BOTTOM VIEW
(PEDESTAL BASE)

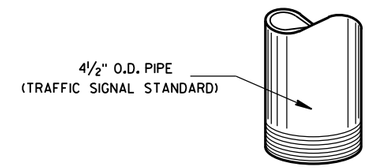


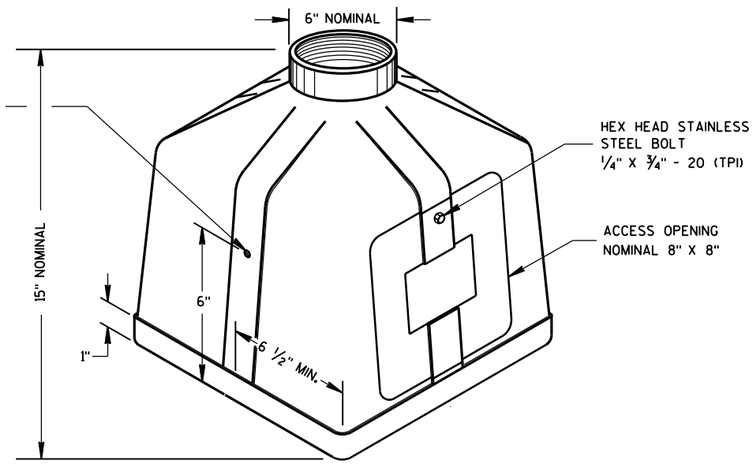
ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)



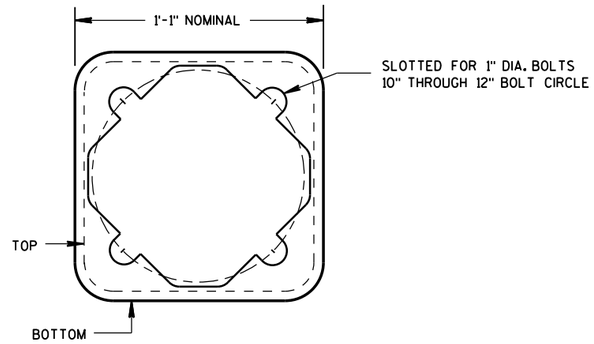
ISOMETRIC VIEW



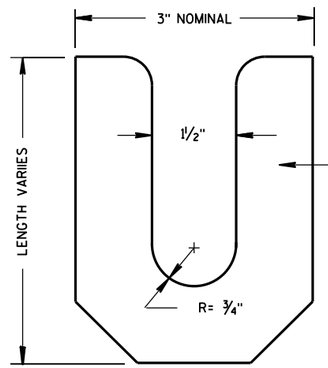


ISOMETRIC VIEW

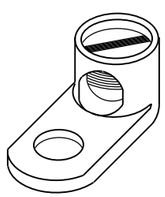
PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)



LEVELING SHIM



TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

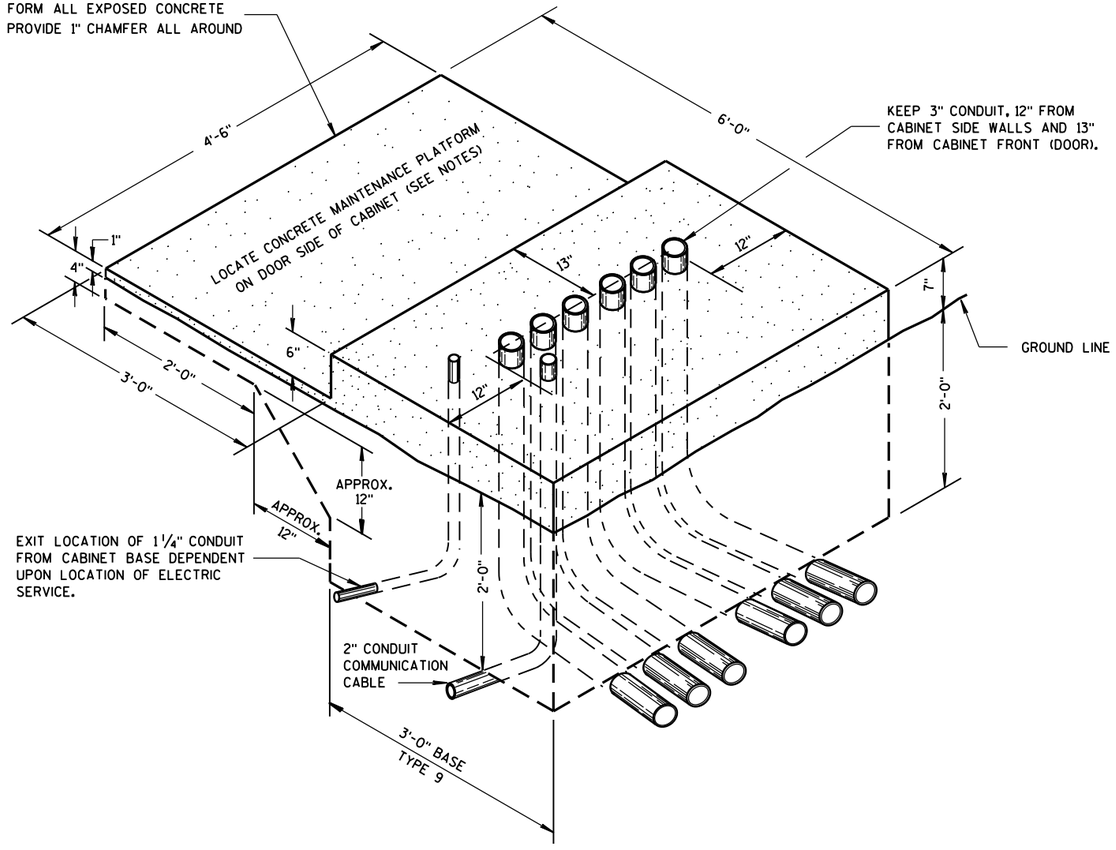
INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES

TRANSFORMER/PEDESTAL BASES

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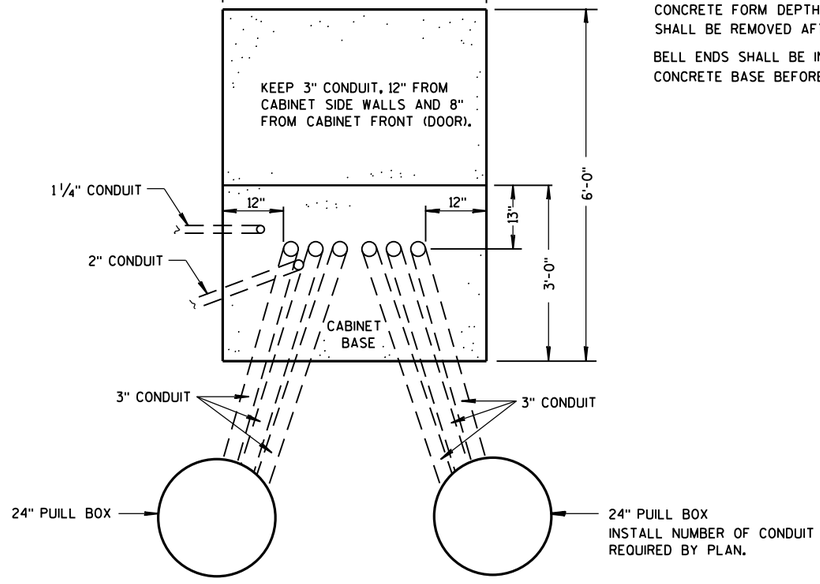
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S.D.D. 9 C 3-4



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.

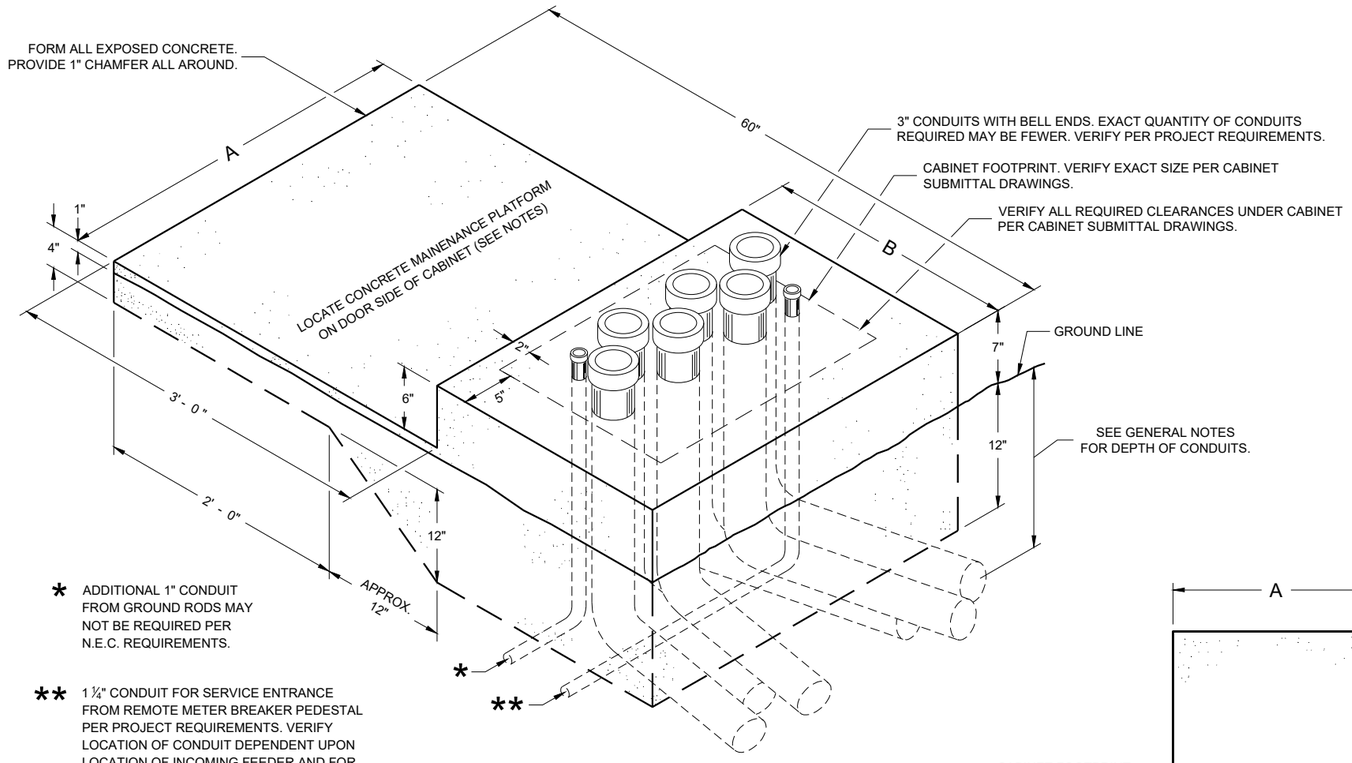
BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

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* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

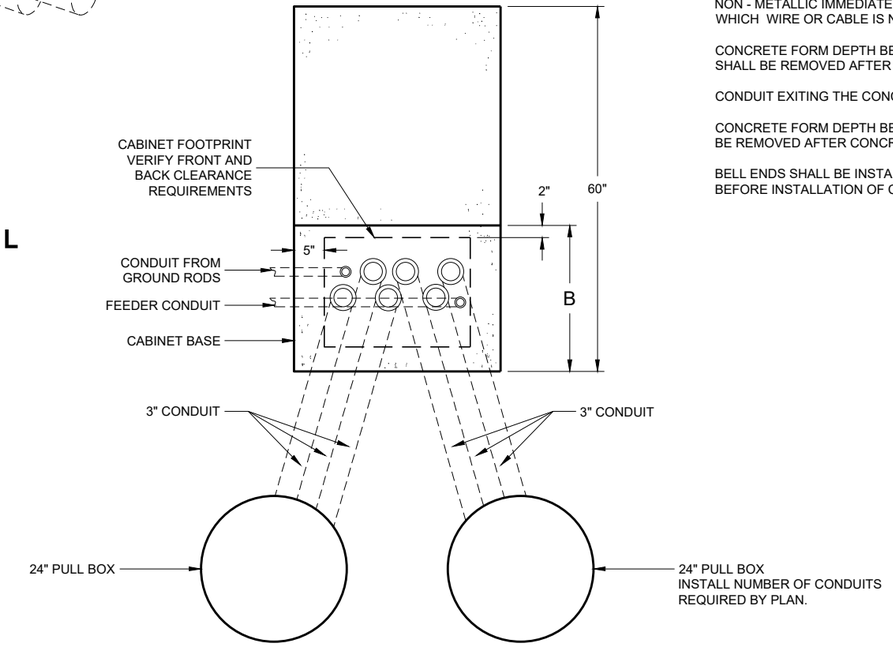
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

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

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

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

LOCATIONS SHALL BE AS SHOWN ON THE PLANS UNLESS DETERMINED BY THE ENGINEER IN THE FIELD.

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

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

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

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

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

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

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

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

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

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCH MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE L

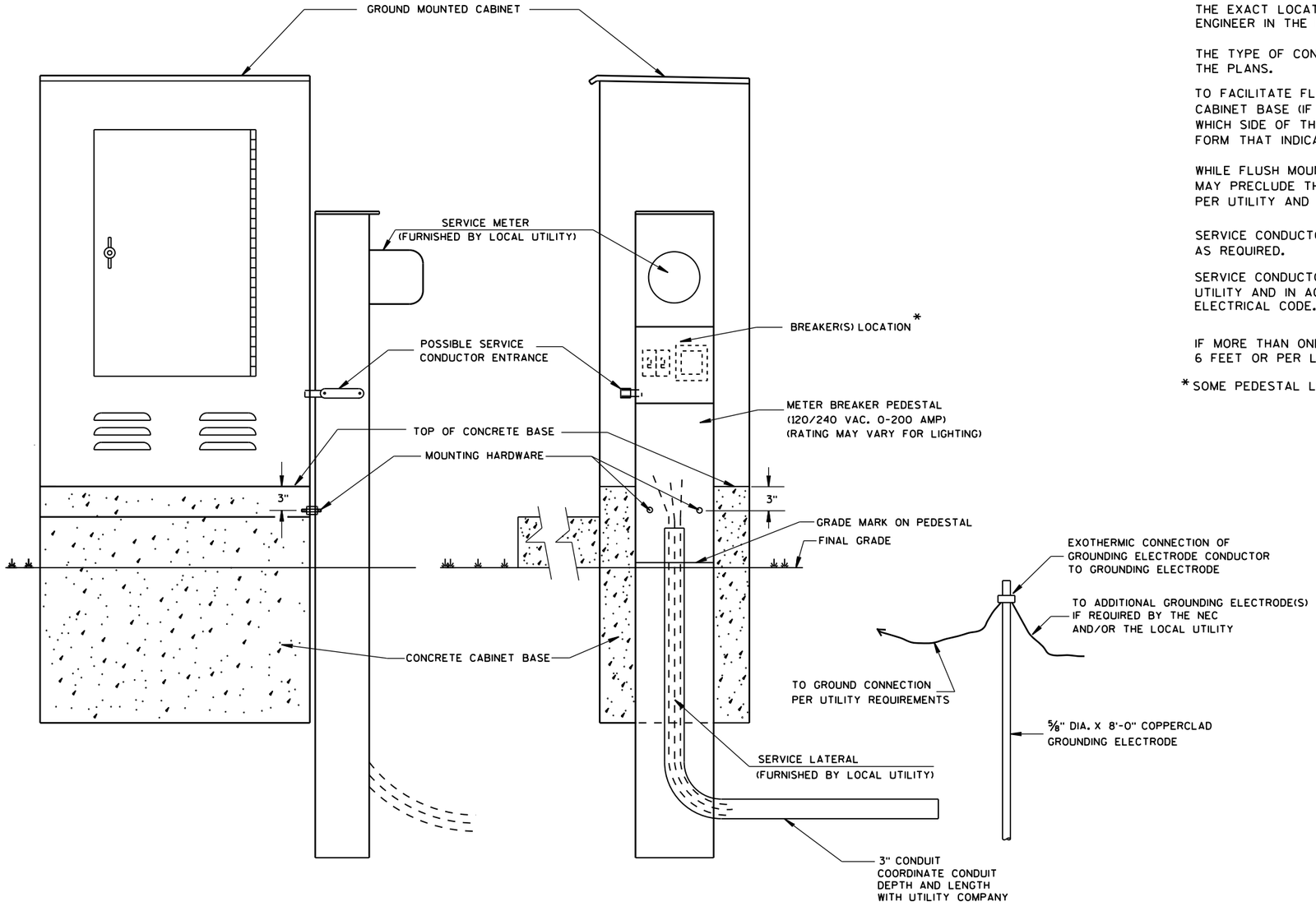
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DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 350

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SDD 09C14 - 03



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

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

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

*SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

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CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

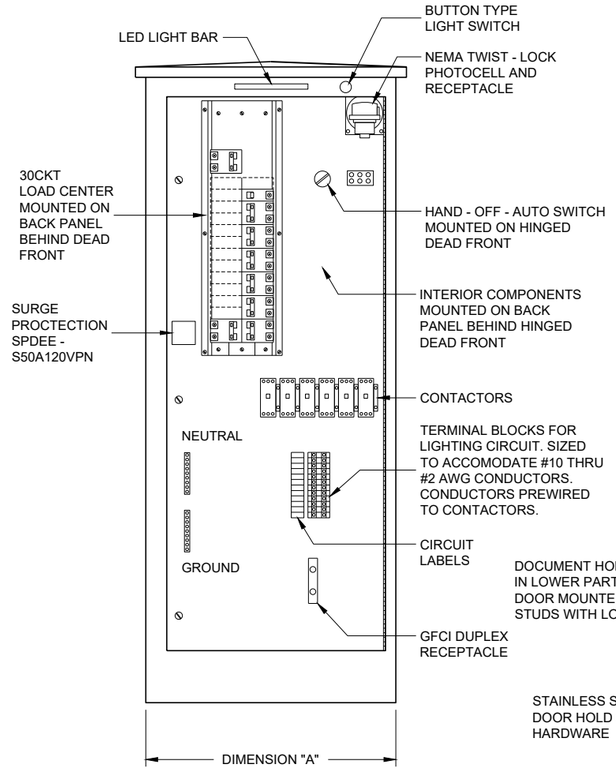
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Sept. 2014
DATE

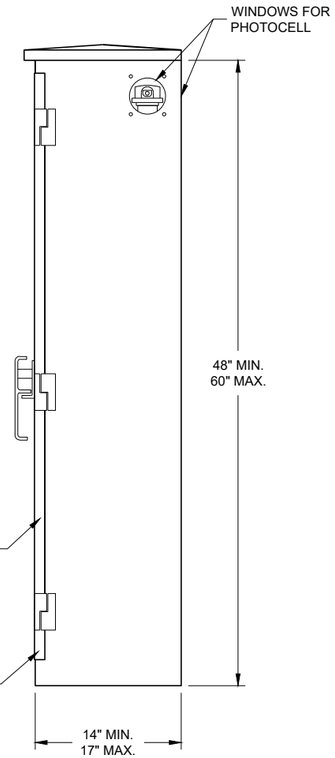
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FRONT INTERIOR ELEVATION



SIDE VIEW



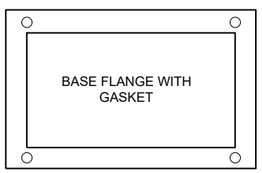
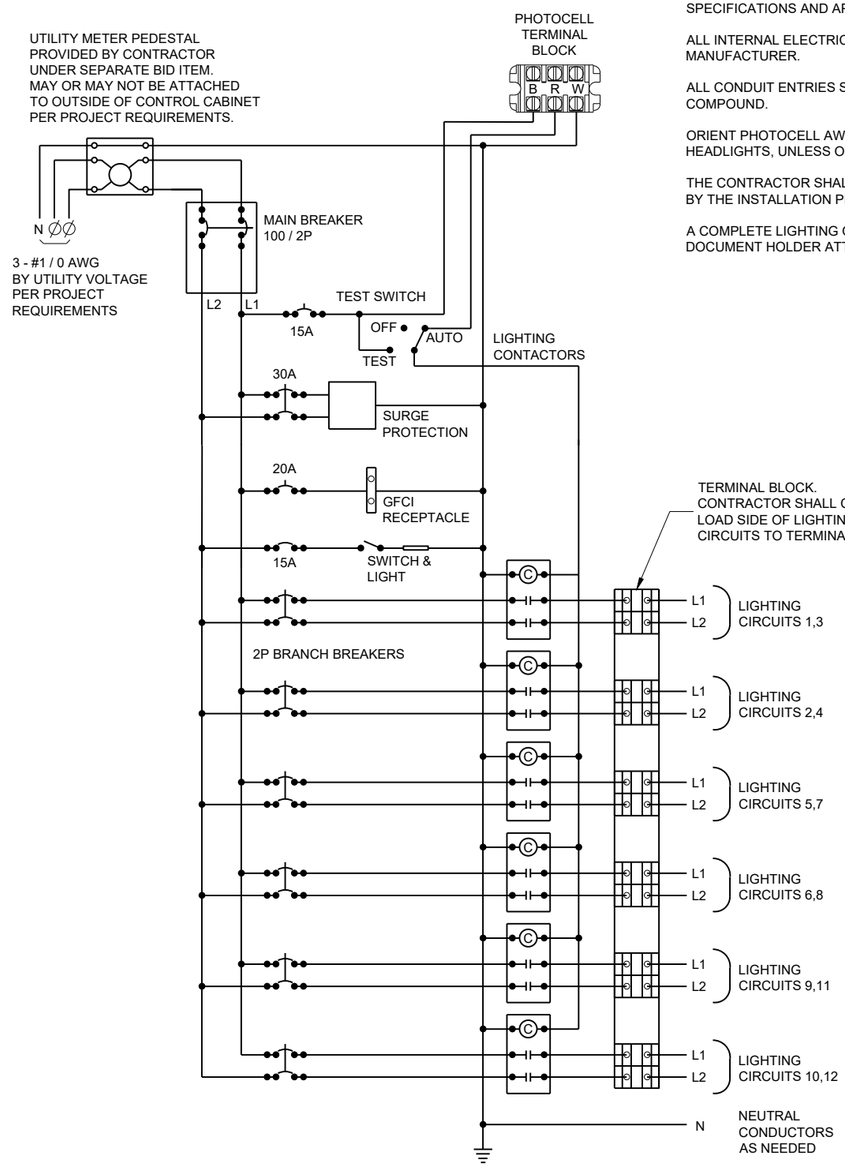


TABLE OF DIMENSIONS (INCHES)		
CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

LIGHTING CONTROL CABINET



CONTROL CABINET SCHEMATIC

GENERAL NOTES

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

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE - WIRED BY THE CABINENT MANUFACTURER.

ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS, UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISION.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

LIGHTING CONTROL CABINET
120 / 240 VOLT

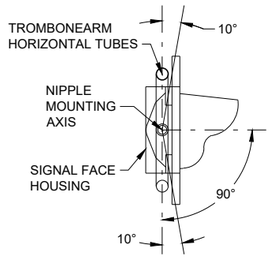
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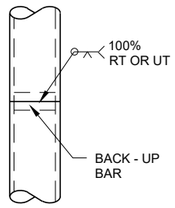


SECTION A-A

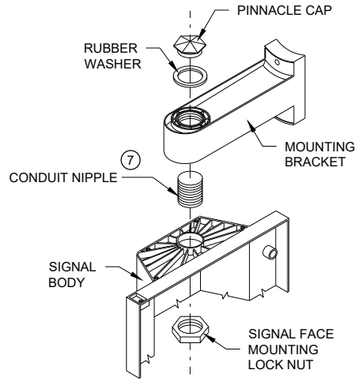
(10 DEGREES TILT REQUIREMENT OF FACE(S) IN THE TROMBONE MOUNTING)

FOR MANUFACTURERS USE ONLY

WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.



POLE SPLICE DETAIL



SIGNAL FACE MOUNTING DETAIL

(BANDED)

GENERAL NOTES

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

POLES SHALL BE EITHER ALUMINUM OR GALVANIZED STEEL AS CALLED FOR IN THE CONTRACT.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

TYPE 2 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING,PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) ASREQUIRED, TO PLUMB THE SIGNAL FACES.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

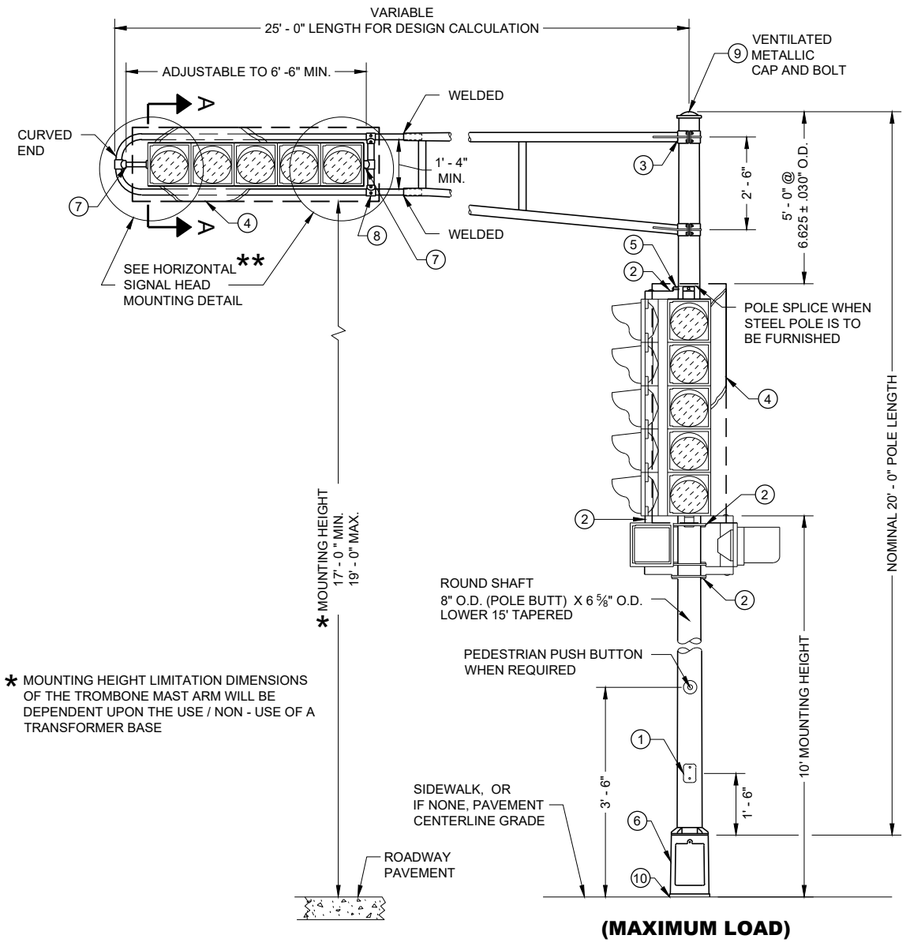
(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOTINTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUTIS THE SLIDING TYPE.

(9) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

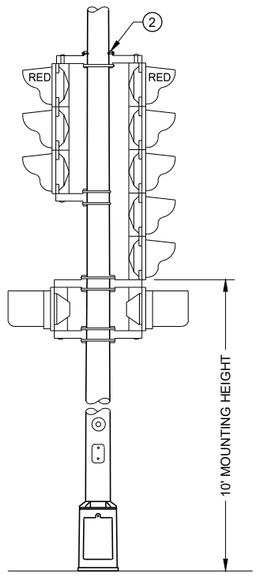
(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

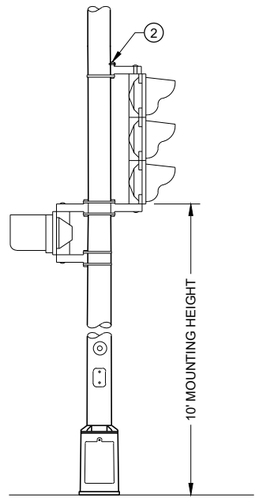


* MOUNTING HEIGHT LIMITATION DIMENSIONS OF THE TROMBONE MAST ARM WILL BE DEPENDENT UPON THE USE / NON - USE OF A TRANSFORMER BASE

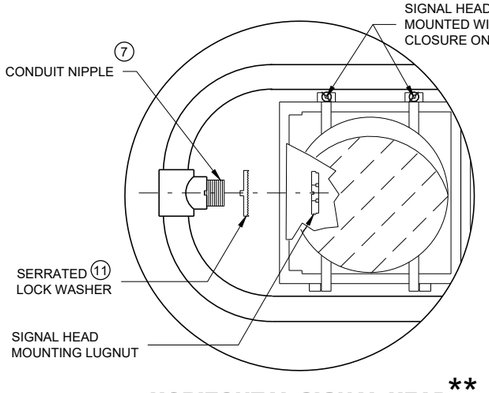
(MAXIMUM LOAD)



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD MOUNTING DETAIL **

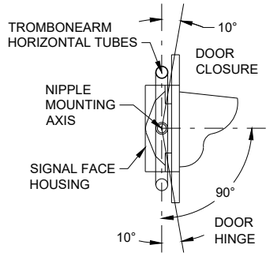
** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

TYPE 2 POLE MOUNTING CONFIGURATION

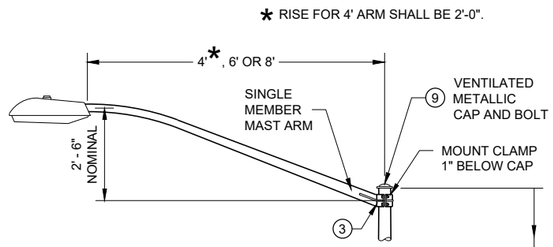
POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2

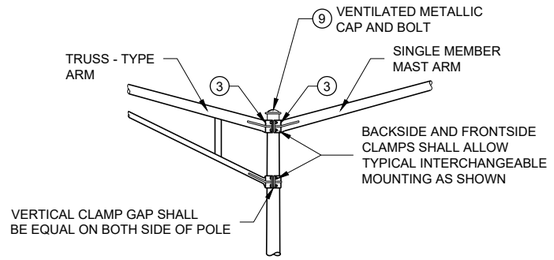
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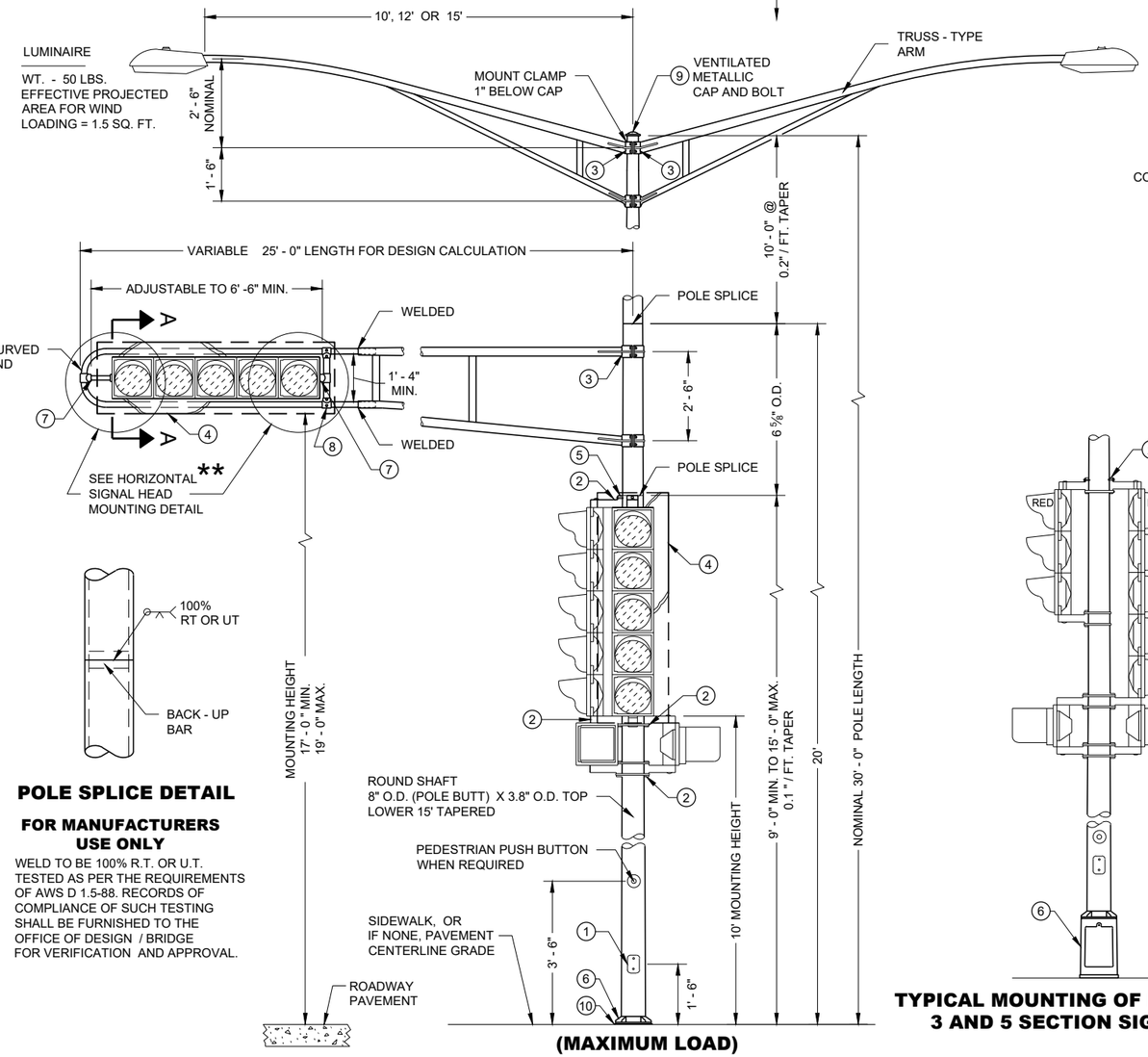


SECTION A-A

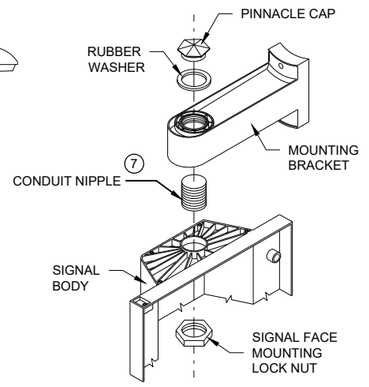




INTERCHANGEABLE MOUNTING DETAIL



(MAXIMUM LOAD)

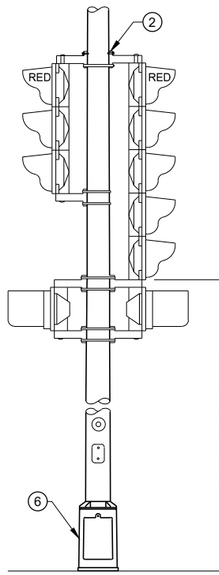


SIGNAL FACE MOUNTING DETAIL
(BANDED)

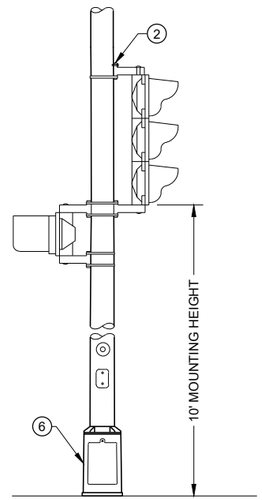
POLE SPLICE DETAIL

FOR MANUFACTURERS USE ONLY

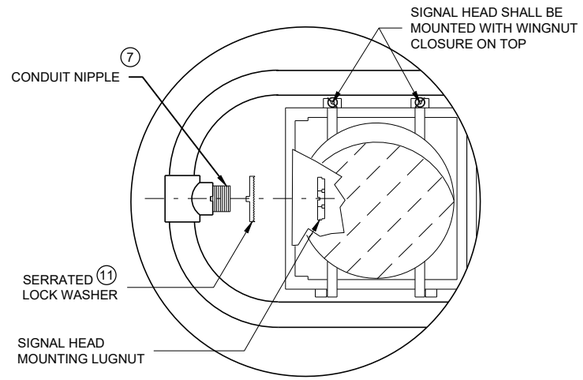
WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD ** MOUNTING DETAIL

** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

GENERAL NOTES

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

ALL TYPE 3 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 3/8 INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 3/8" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED. UNDER MAX LOADING, TYPE 3 POLE SHALL BE MOUNTED DIRECTLY TO ITS CONCRETE BASE.

(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUT IS THE SLIDING TYPE.

(9) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

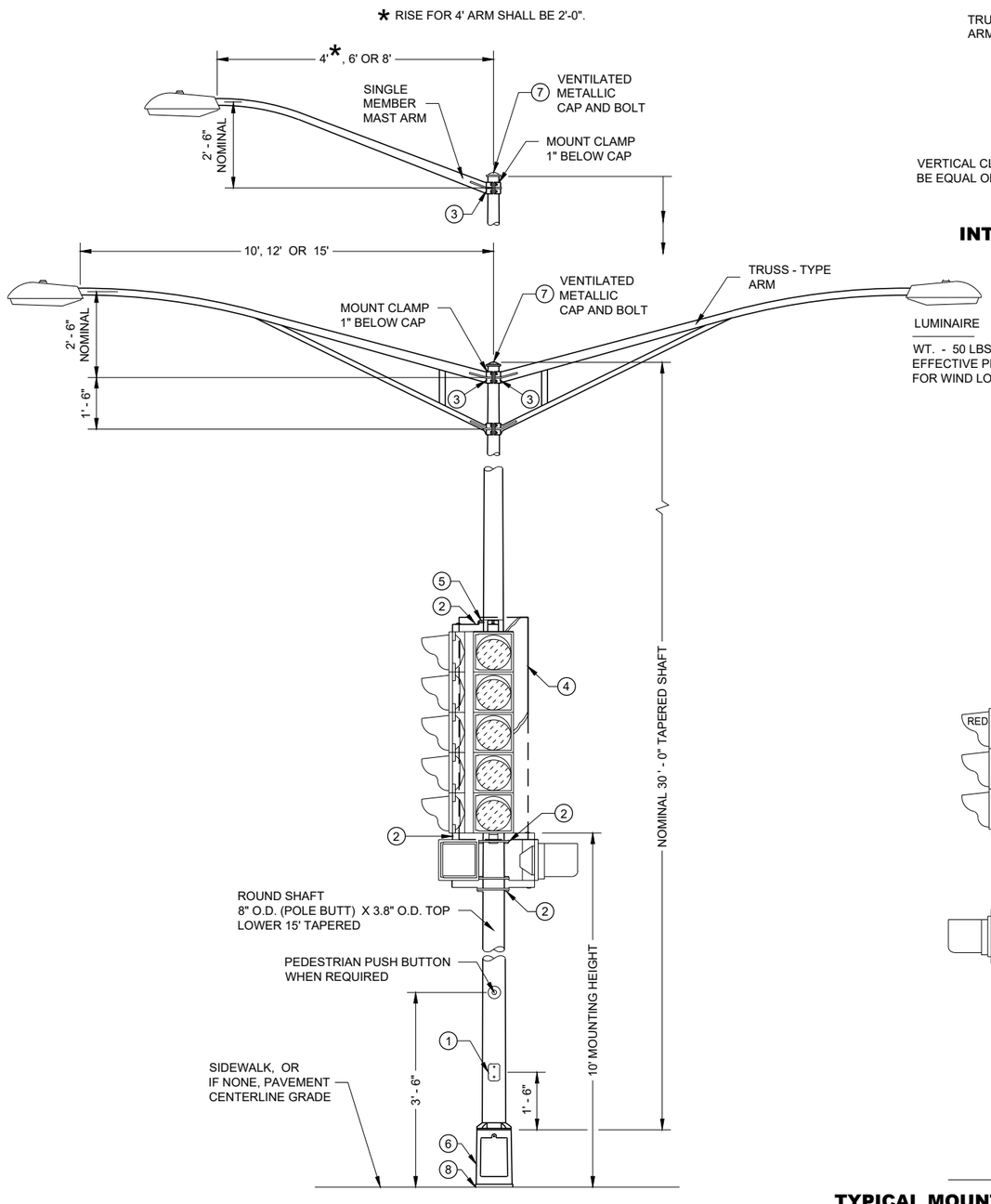
TYPE 3 POLE MOUNTING CONFIGURATION

POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS TYPE 3 (HEAVY DUTY)

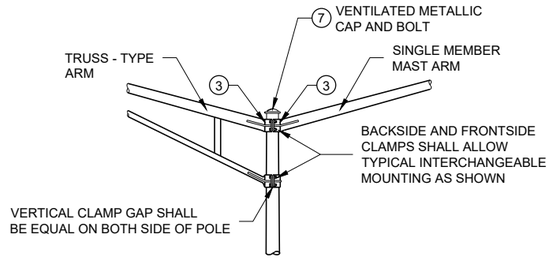
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(MAXIMUM LOAD)



INTERCHANGEABLE MOUNTING DETAIL

GENERAL NOTES

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

ALL TYPE 4 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL WITH A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

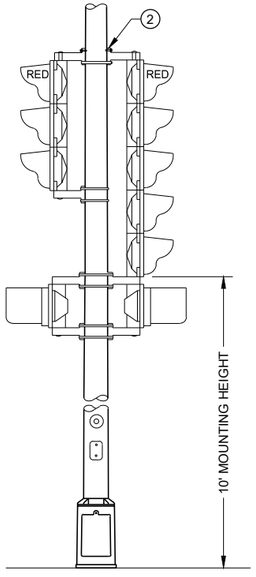
(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

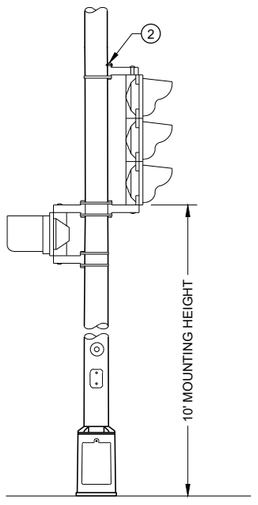
(7) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(8) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

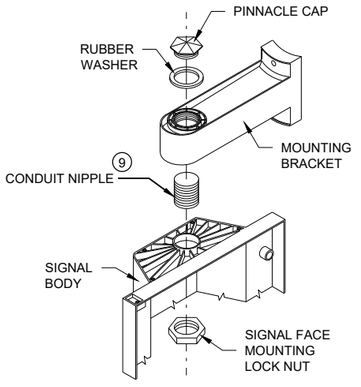
(9) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



SIGNAL FACE MOUNTING DETAIL
(BANDED)

TYPE 4 POLE MOUNTING CONFIGURATION

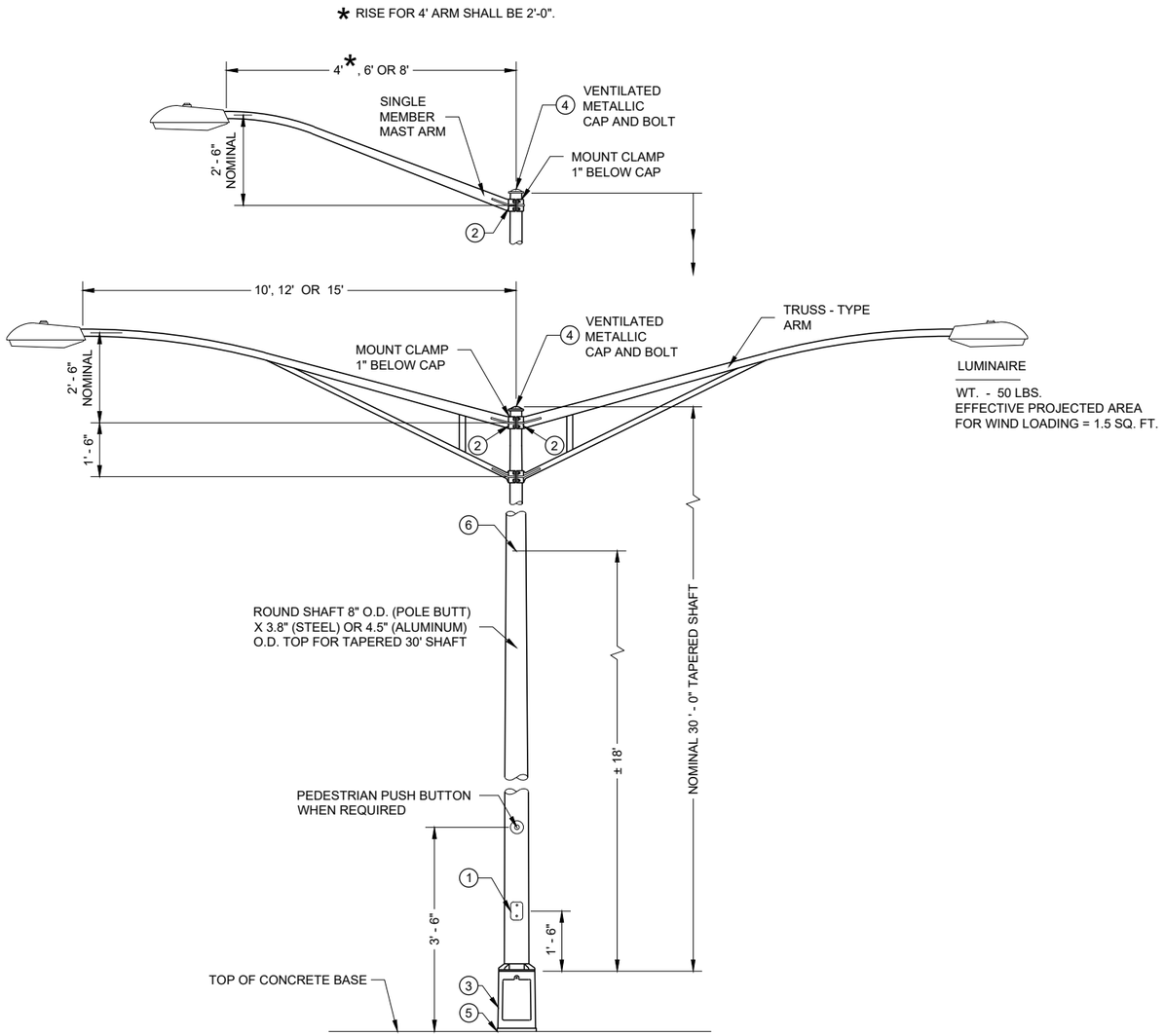
POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 4

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TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY

GENERAL NOTES

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

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.1888".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

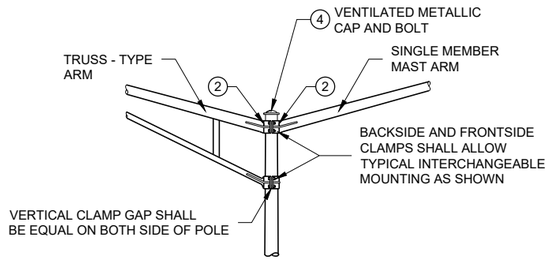
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.

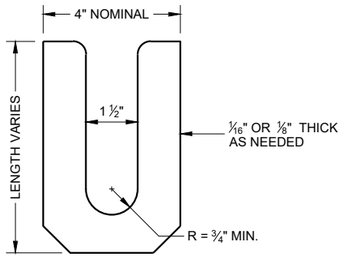


INTERCHANGEABLE MOUNTING DETAIL

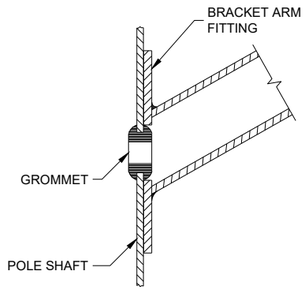
POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

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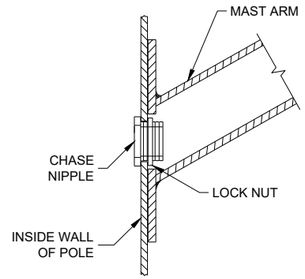
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LEVELING SHIM (1)
SHALL BE ALUMINUM



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.

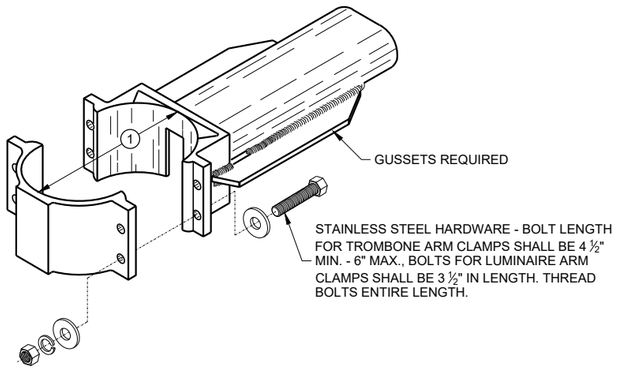
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

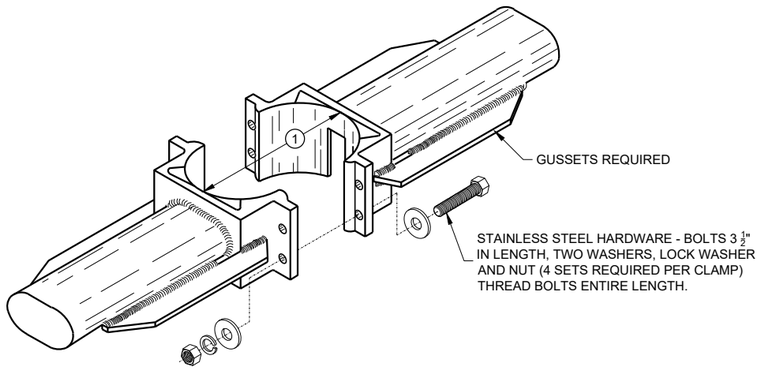
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(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.

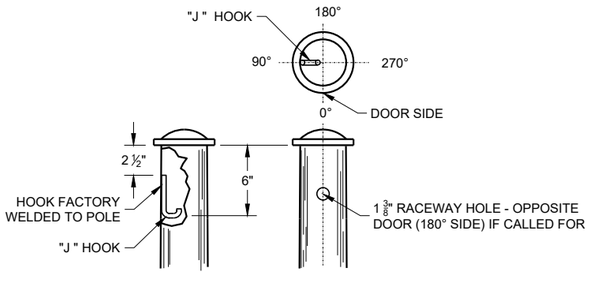
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



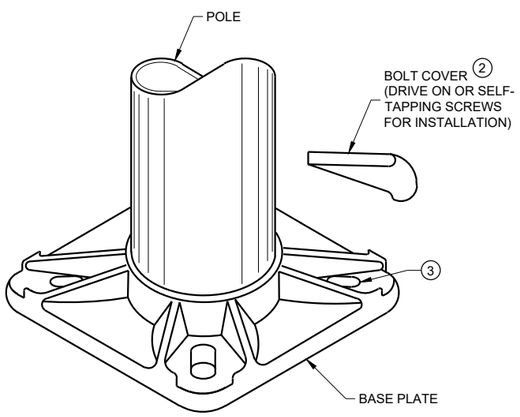
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



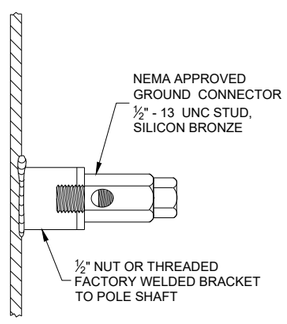
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

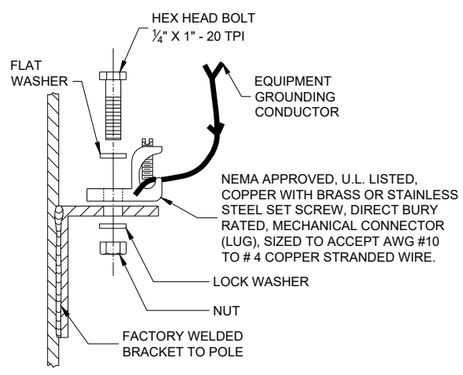


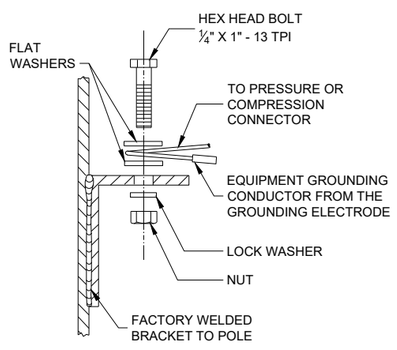
TYPICAL "J" HOOK LOCATION



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 357

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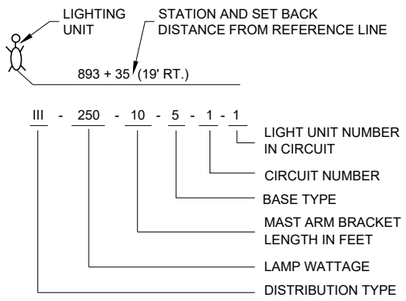
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GENERAL NOTES

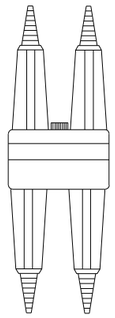
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

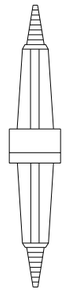
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



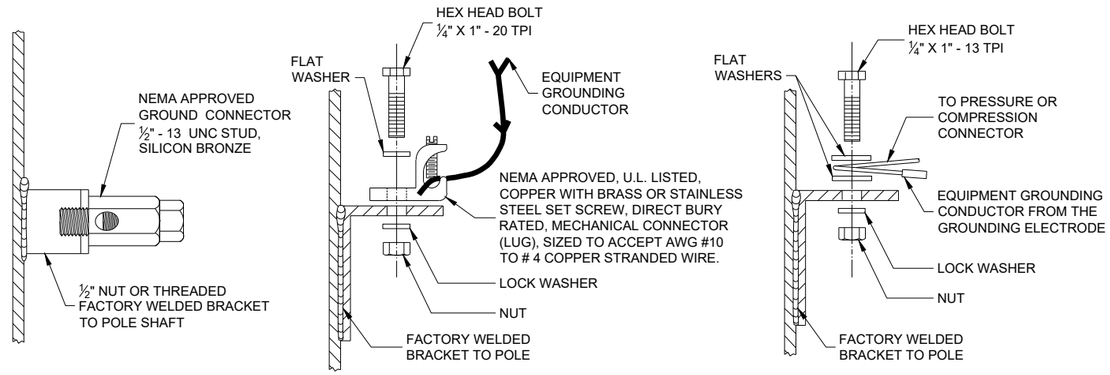
LIGHTING UNIT CODE
(TYPICAL)



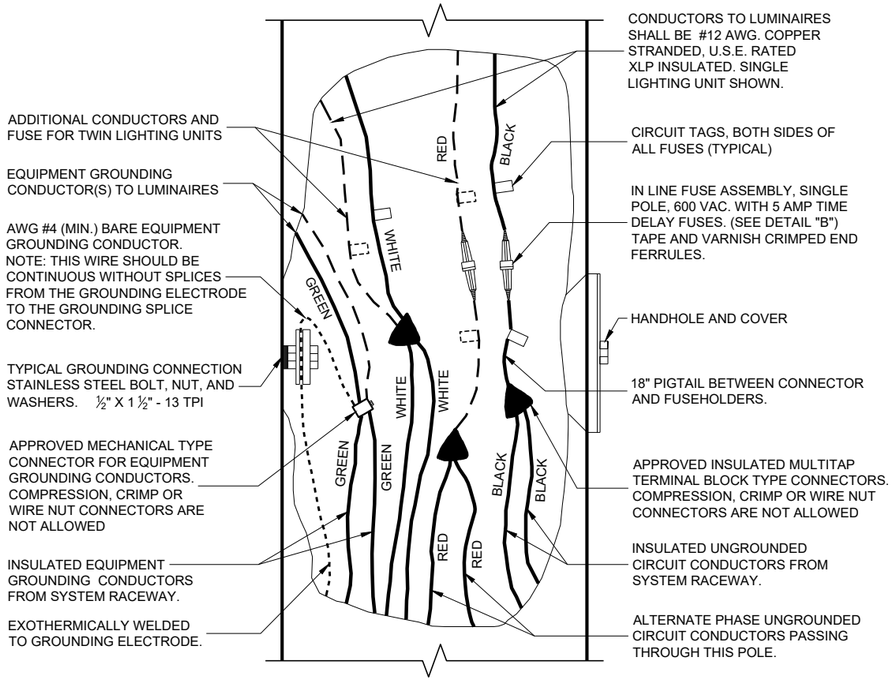
DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



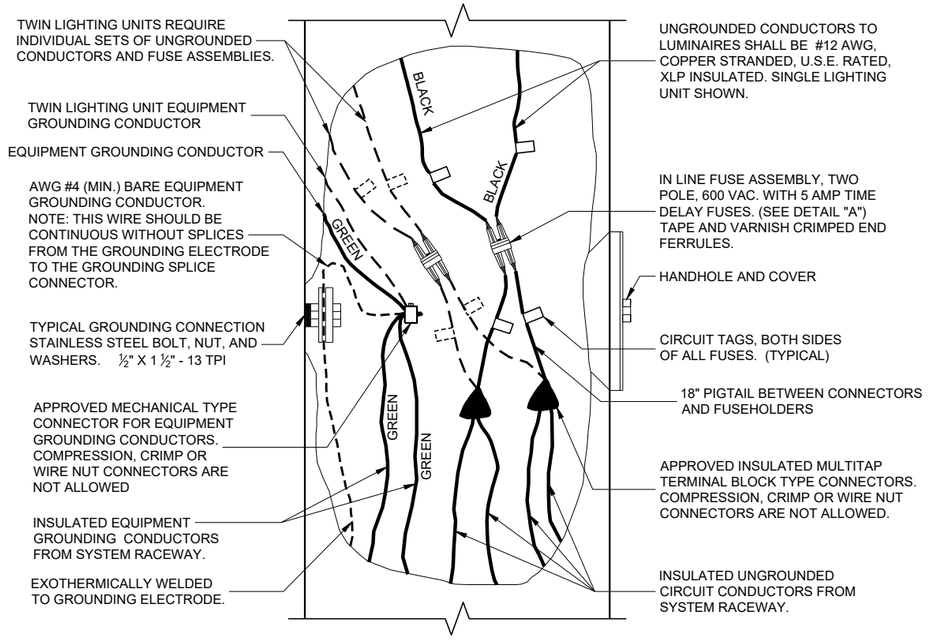
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

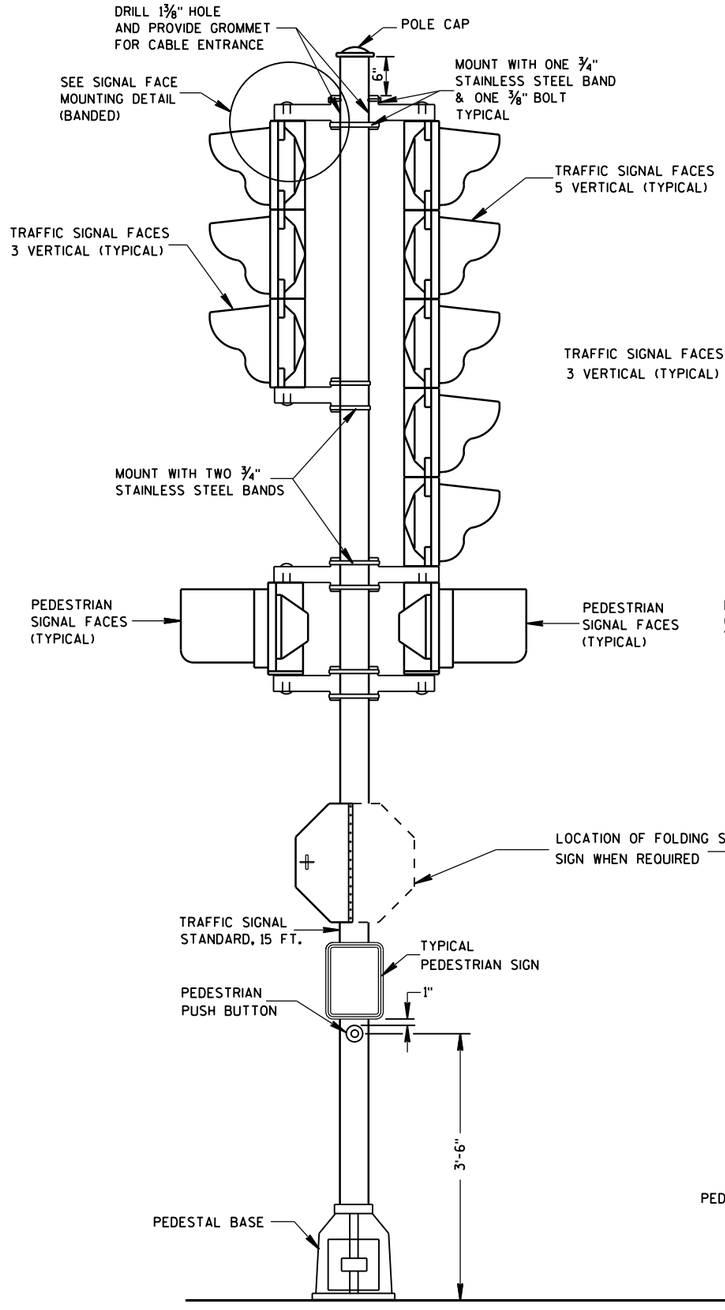
NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

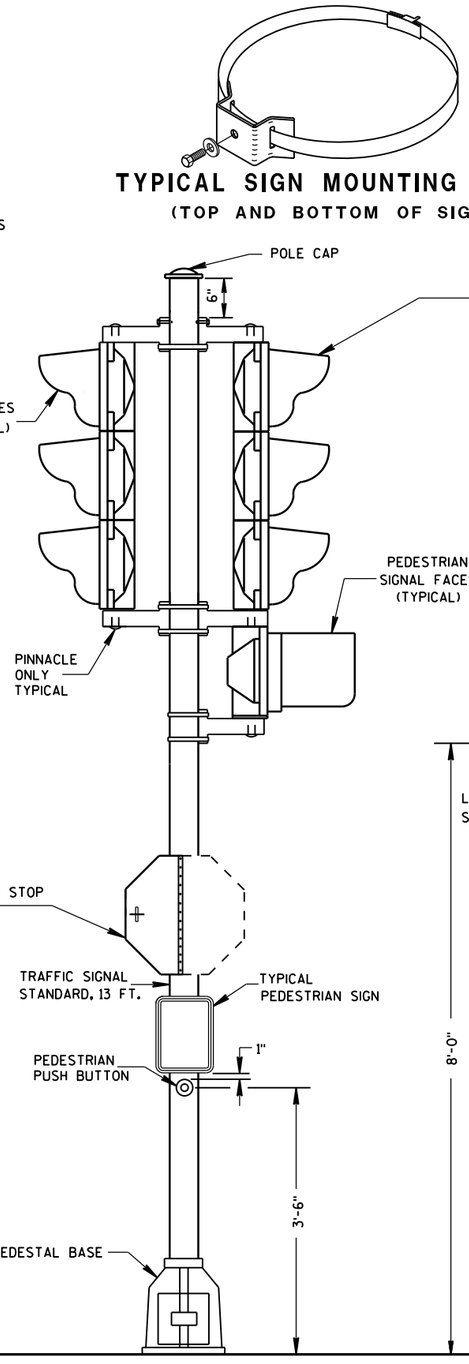
APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 358

FHWA

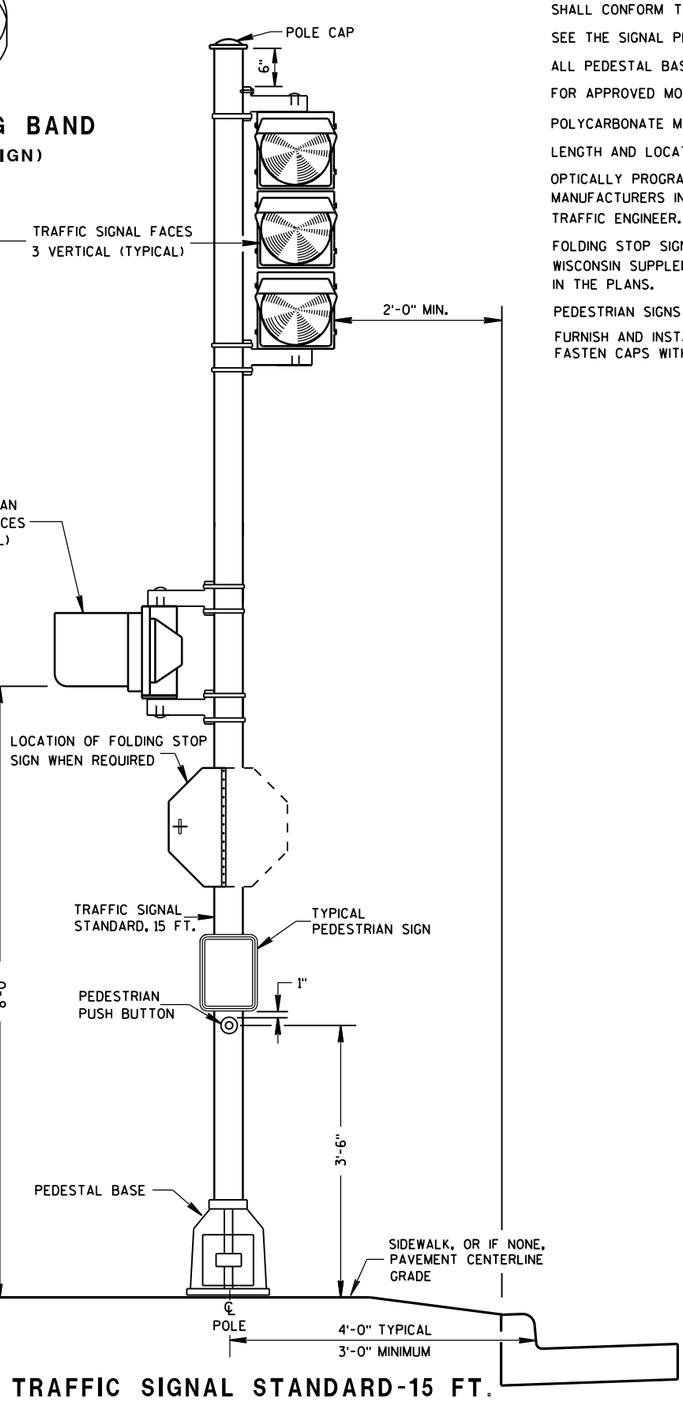


TRAFFIC SIGNAL STANDARD-15 FT.



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.

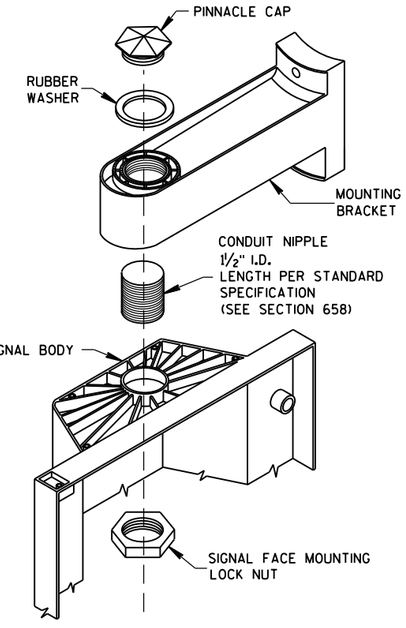
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

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.

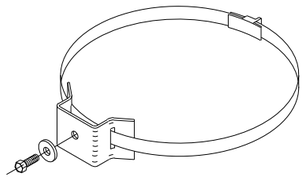
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/28/2013
DATE

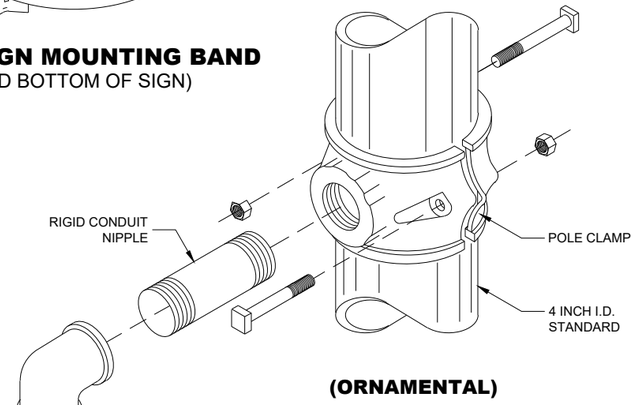
/S/ Ahmet Demirbilek
STATE ELECTRICAL 359

FHWA

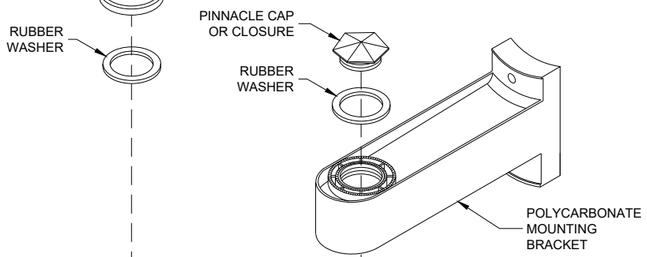
6
S.D.D. 9 E 6-5



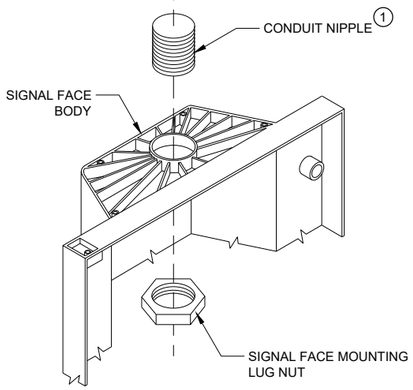
TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



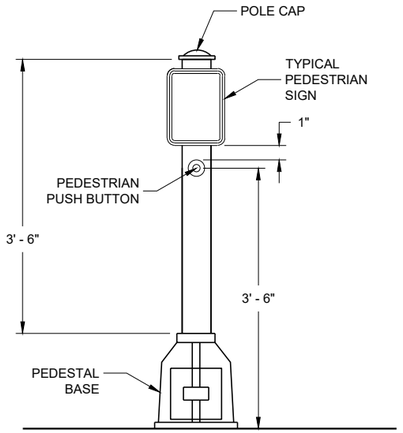
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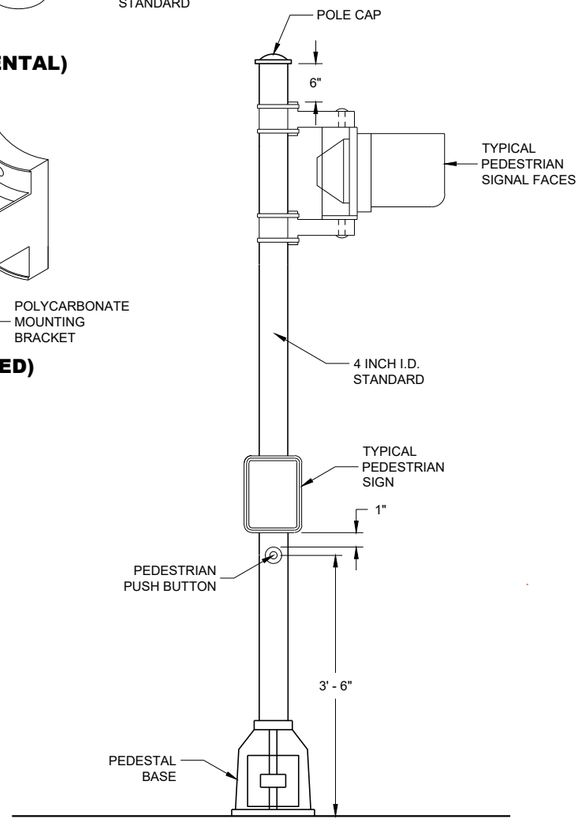
(BANDED)



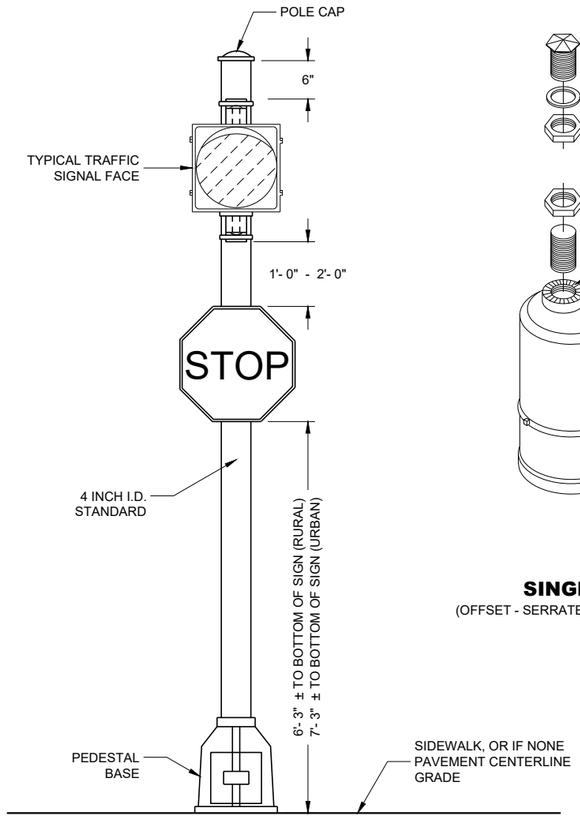
SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING



PEDESTRIAN FACE STANDARD - 10 FT.
(WALK - DON'T WALK)



STANDARD FLASHER
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS, UNLESS APPROVED BY THE ENGINEER IN THE FIELD.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

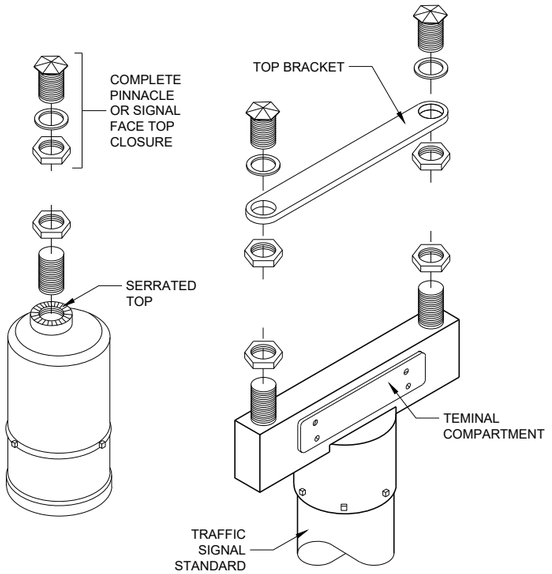
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACESAND BRACKET ENDS.



SINGLE
(OFFSET - SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

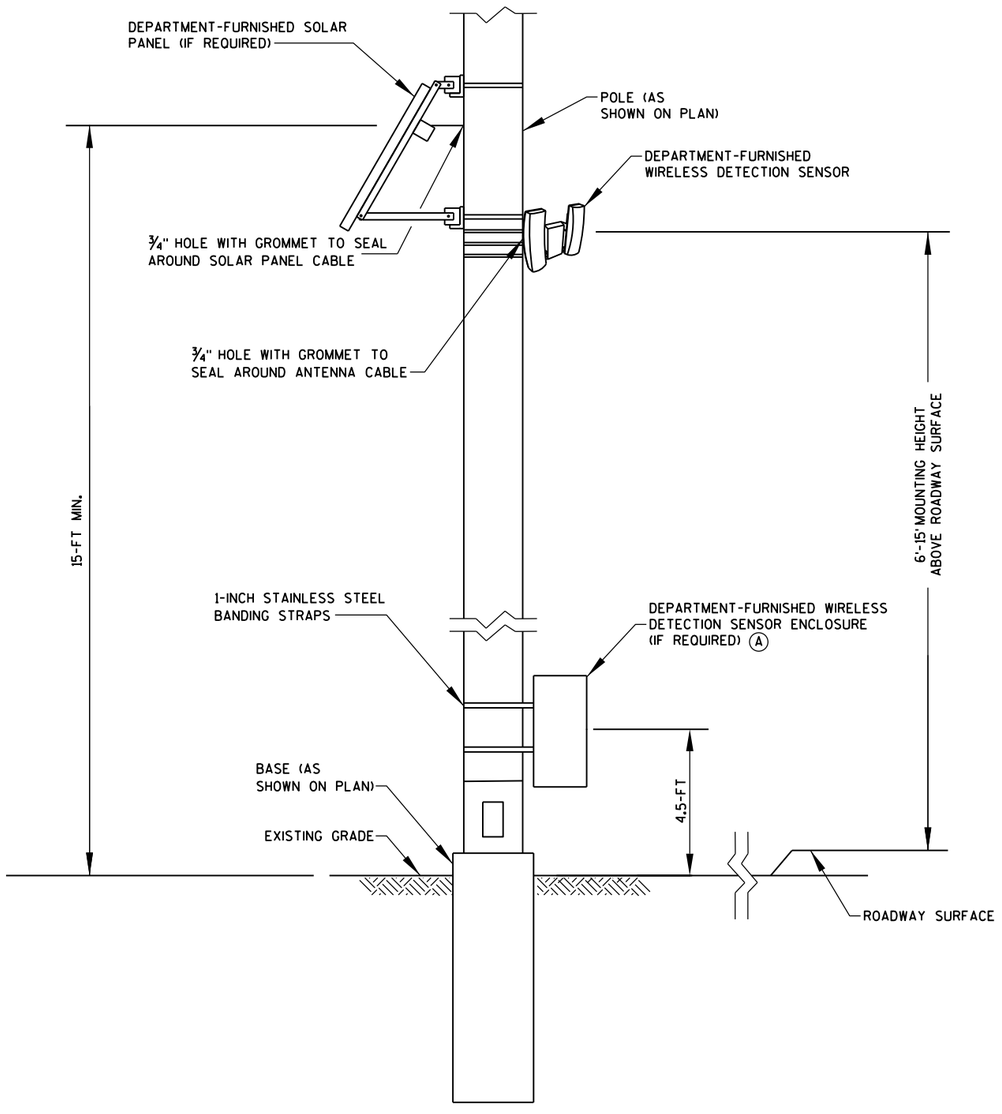
APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 360

FHWA

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SDD 09E07 - 06



WIRELESS DETECTION SENSOR MOUNTING

(SOLAR-POWERED OPTION SHOWN)

GENERAL NOTES

SECURE LOOSE CABLES TO POLE AT 5-FT INTERVALS.

INSTALL DRIP LOOPS ON LOOSE CABLES TO PREVENT WATER FROM FLOWING ON CABLE AND ENTERING POLES/ENCLOSURES.

MOUNT EQUIPMENT UTILIZING STAINLESS STEEL BANDS OR METHOD APPROVED BY THE ENGINEER.

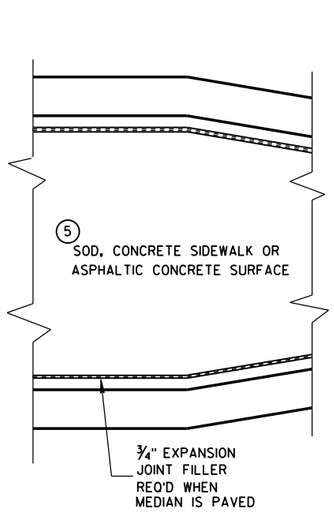
ORIENT SOLAR PANEL AS CLOSE TO SOUTH AS POSSIBLE.

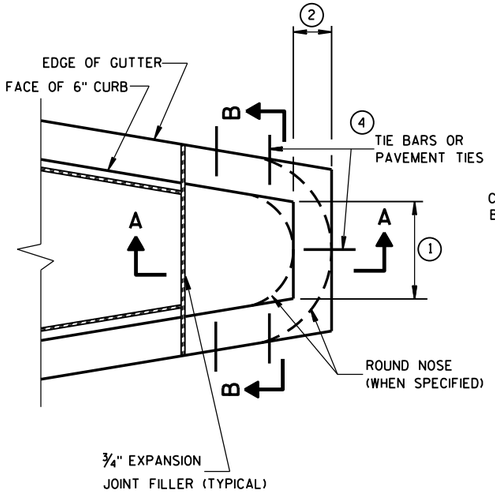
(A) FOR NON-SOLAR WIRELESS DETECTION SENSOR MOUNTING OPTION, SEE S.D.D. "INSTALL MOUNTED CABINET ON POLES"

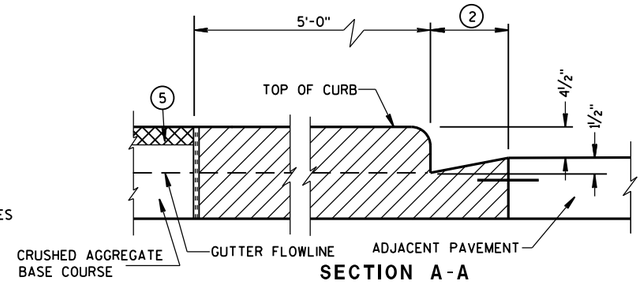
WIRELESS DETECTION SENSOR MOUNTING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
May 2017	/S/ Ahmet Demirbilek
DATE	STATE ELECTRICAL
FHWA	

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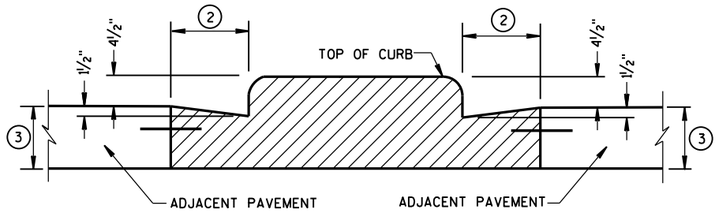
S.D.D. 9 H 14-1







SECTION A-A



SECTION B-B

CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

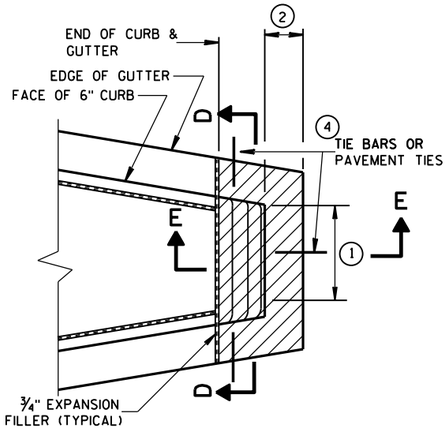
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

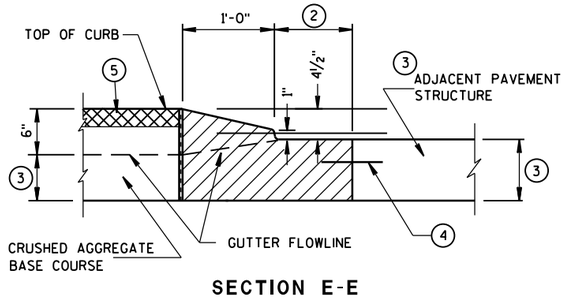
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

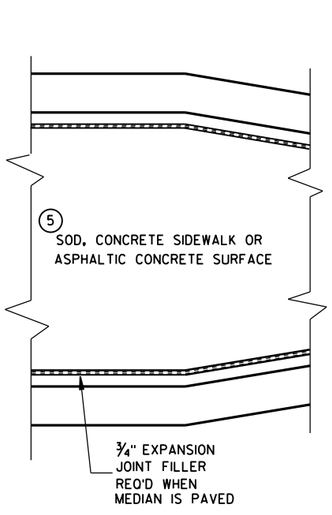
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

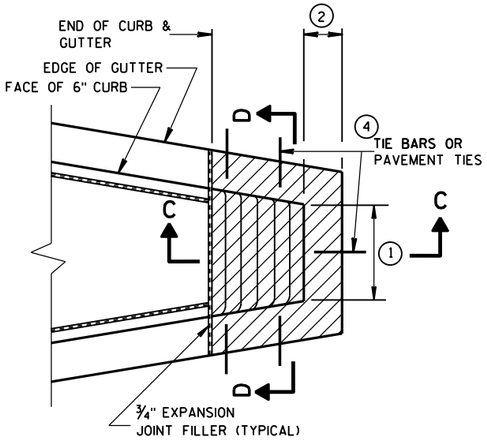


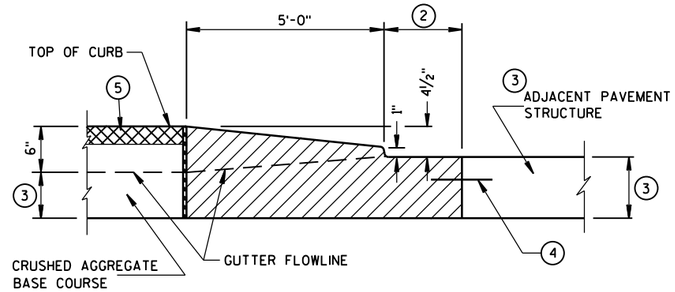


SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2

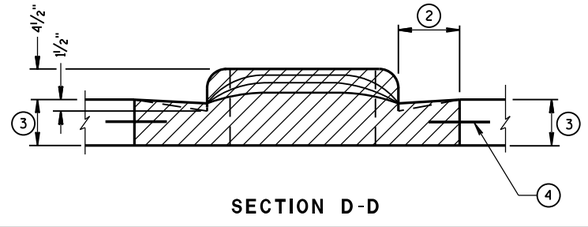






SECTION C-C

CONCRETE MEDIAN SLOPED NOSE TYPE 1



SECTION D-D

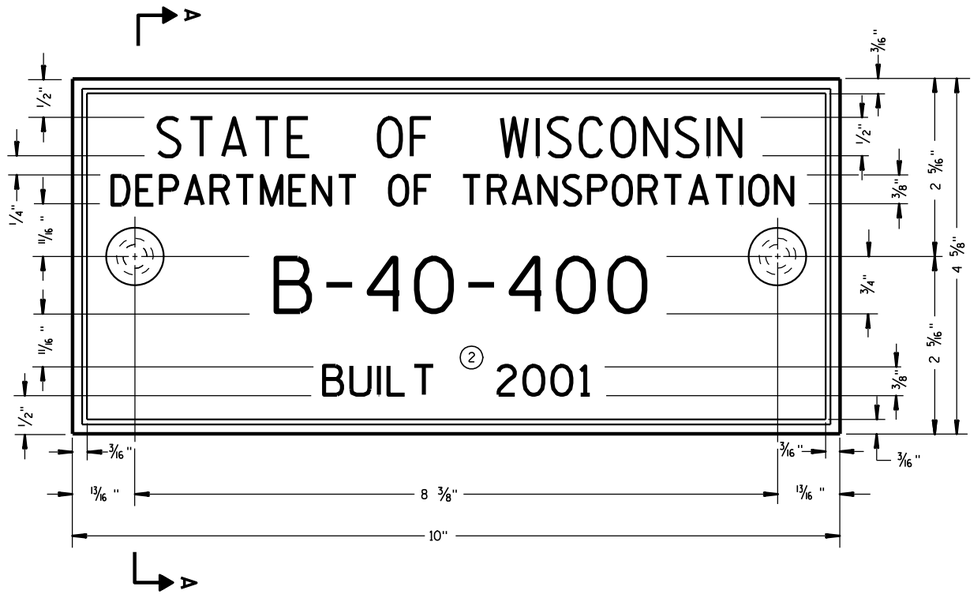
CONCRETE MEDIAN NOSE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 6/8/2006 DATE FHWA	/S/ Jerry H. Zogg ROADWAY STANDARDS D ENGINEER

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S.D.D. 11 B 2-2

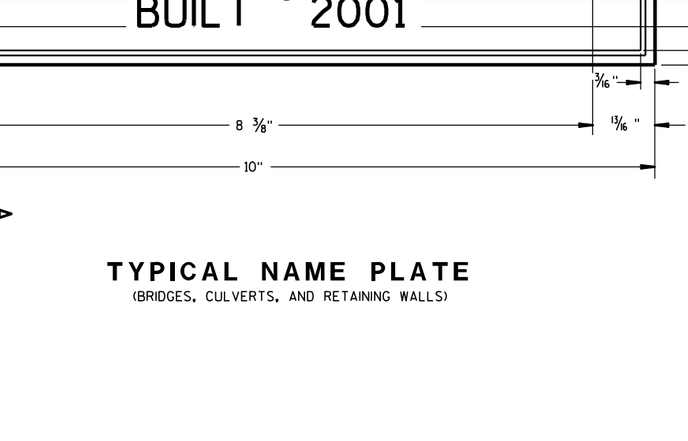
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S.D.D. 11 B 2-2



TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES

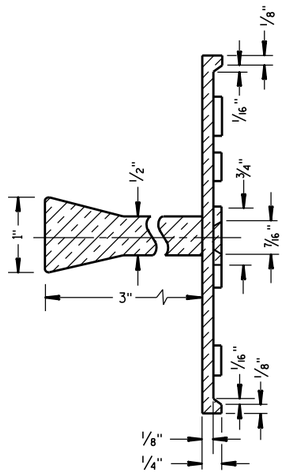
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

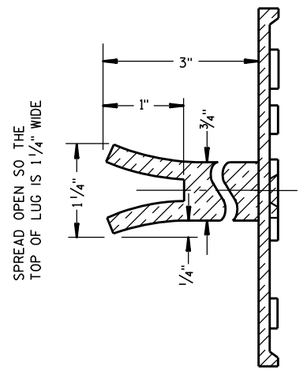
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

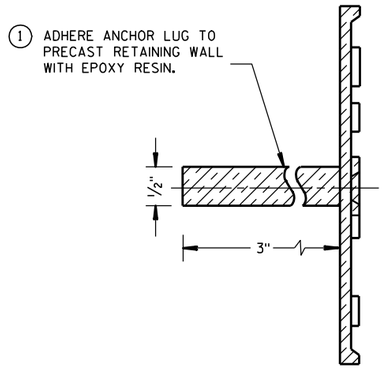
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/26/10 DATE

/S/ Scot Beck -- CHIEF STRUCTURAL DEVELOPMENT ENGINEER

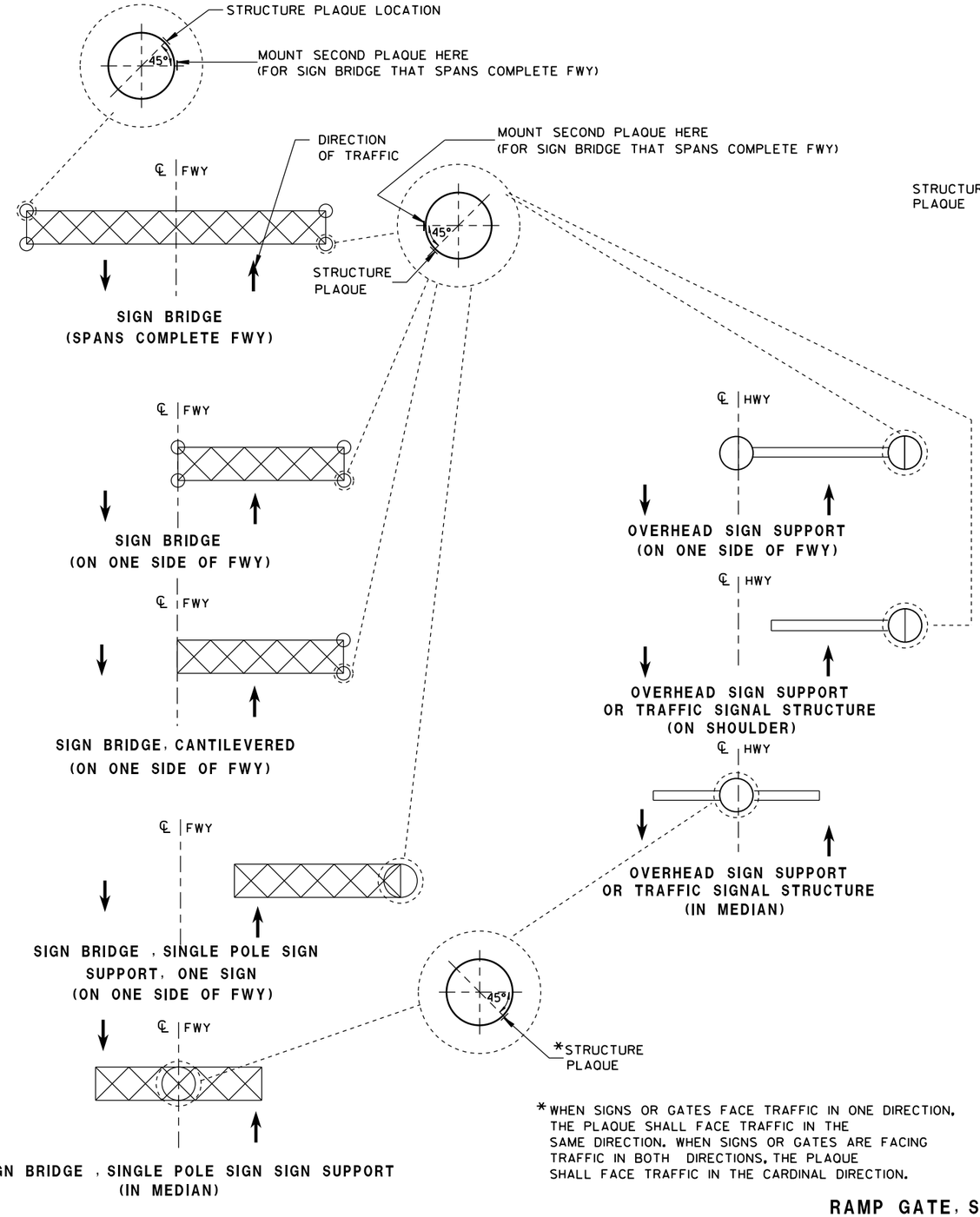
FHWA

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S.D.D. 12 A 3-10

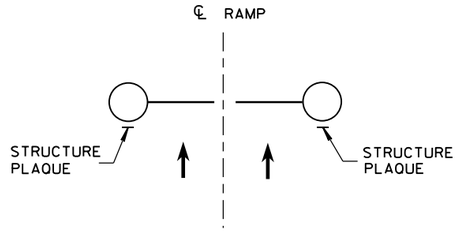
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S.D.D. 12 A 3-10

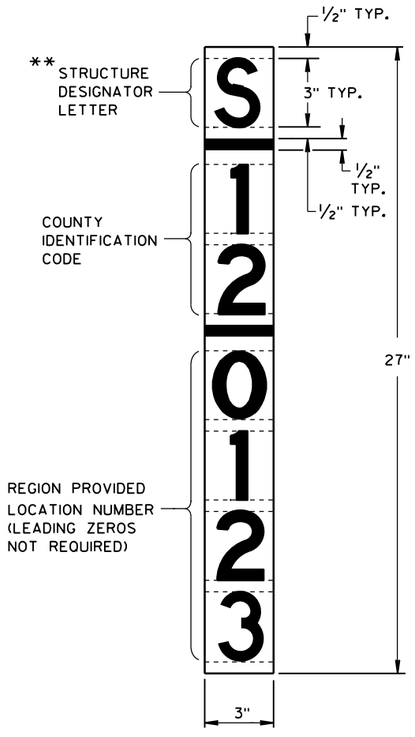


*WHEN SIGNS OR GATES FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS OR GATES ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.

LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES



**RAMP GATE
(ACROSS FWY ON-RAMP)**



RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

** LETTER "G" UTILIZED FOR RAMP GATES. LETTER "S" UTILIZED FOR SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, AND TRAFFIC SIGNALS.

GENERAL NOTES

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

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

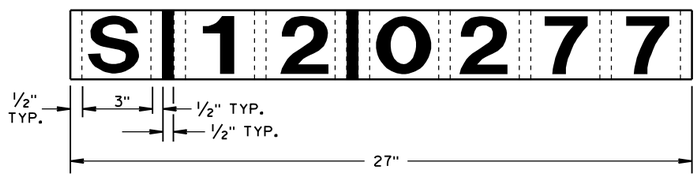
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, ½" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, & TRAFFIC SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

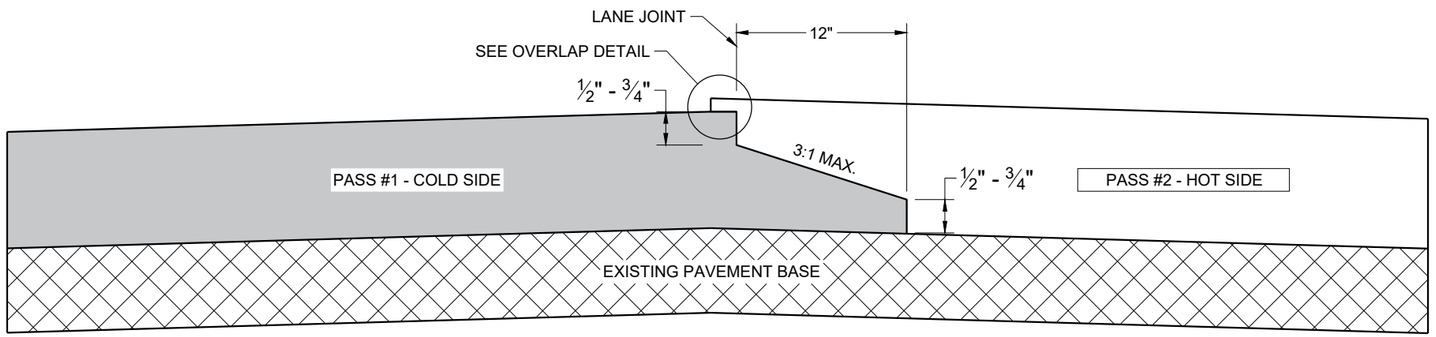
APPROVED
12/4/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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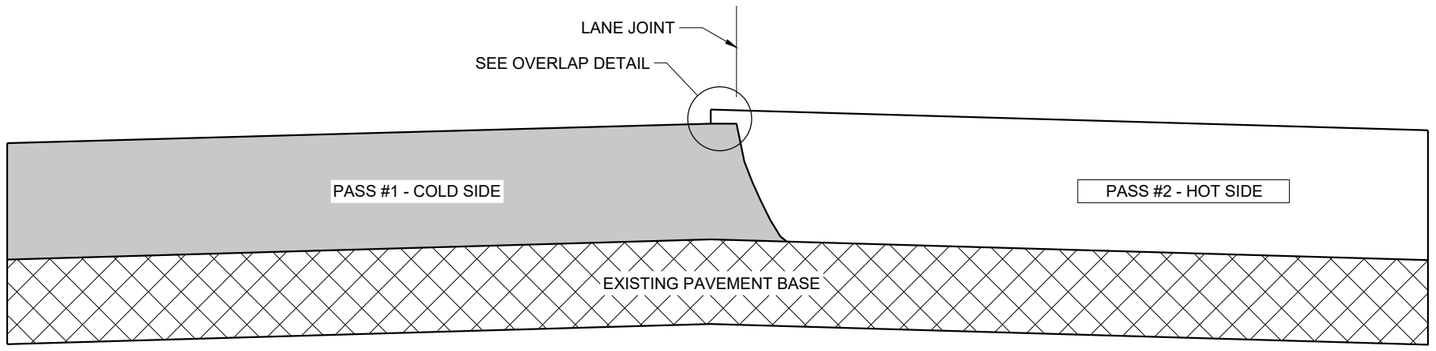
S.D.D. 12 A 4-3

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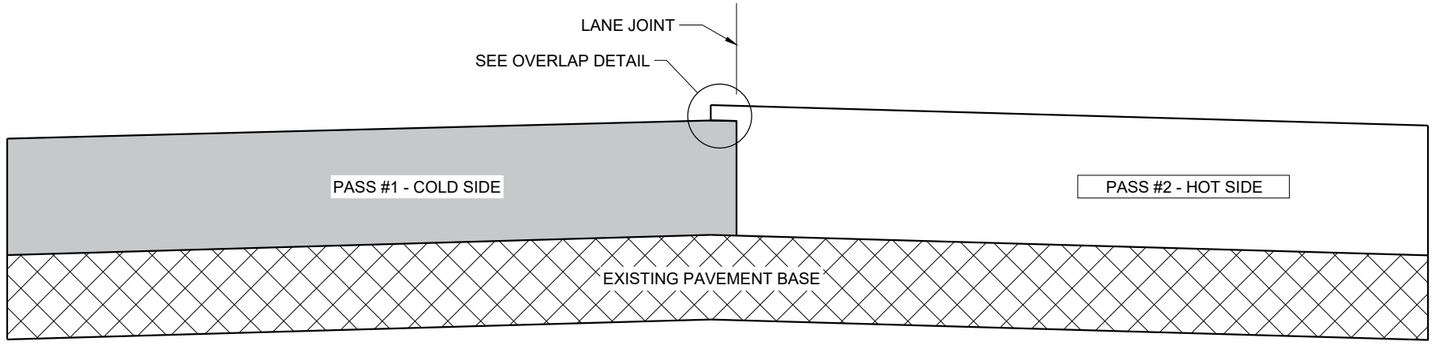
S.D.D. 12 A 4-3



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

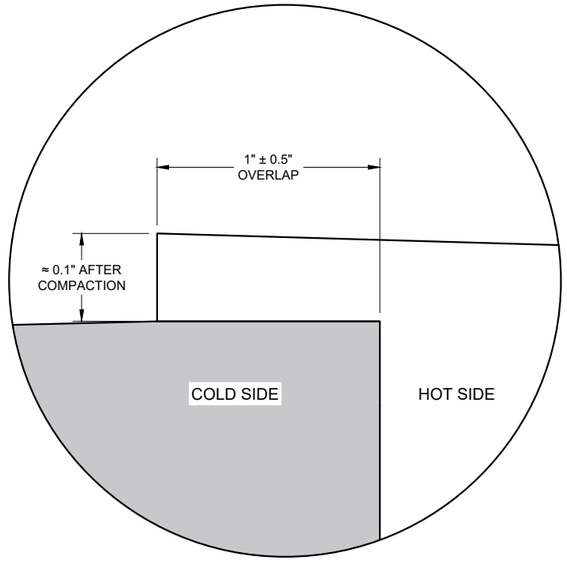
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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

6

SDD 13C19 - 02

SDD 13C19 - 02

HMA LONGITUDINAL JOINTS

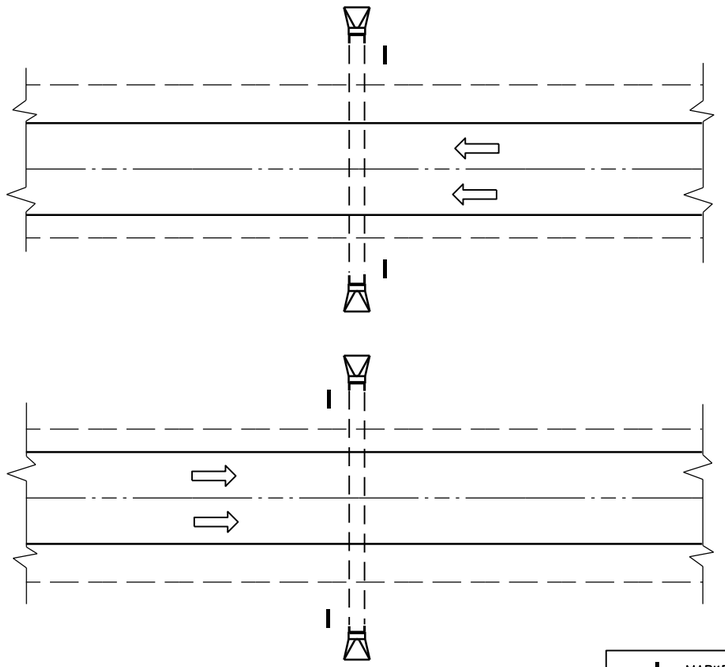
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

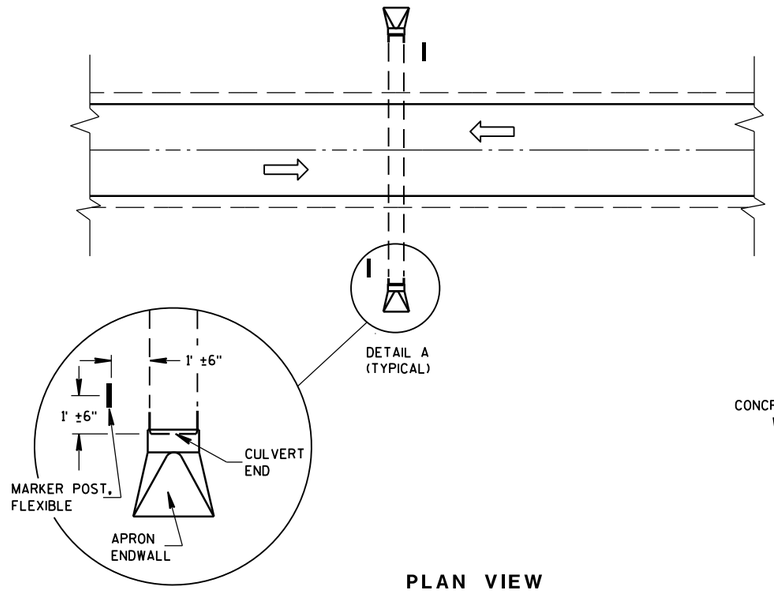
365

FHWA



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

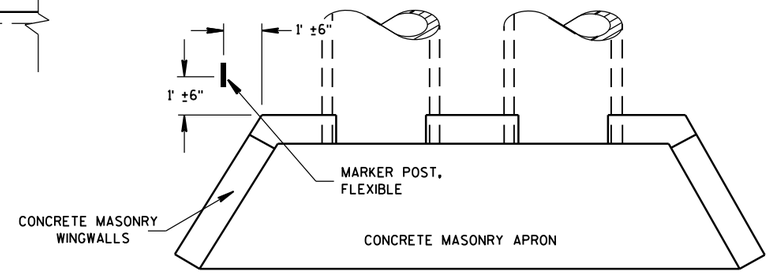
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

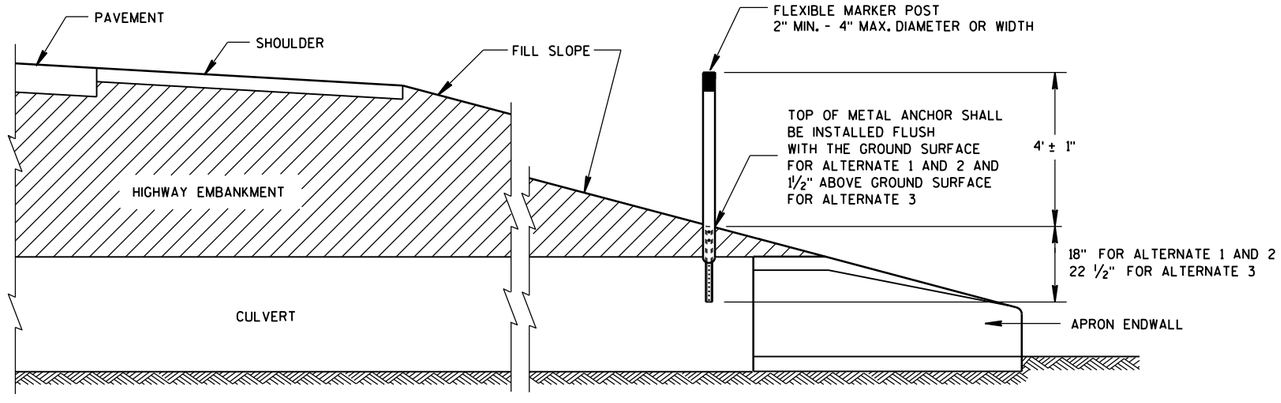
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST
FOR CULVERT END

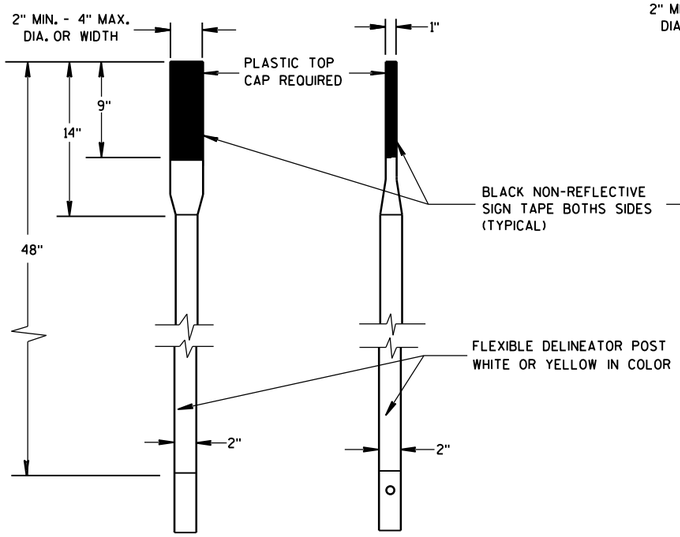
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

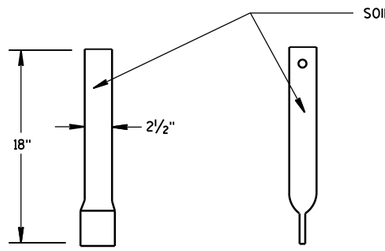
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S.D.D. 15 A 3-2a

6

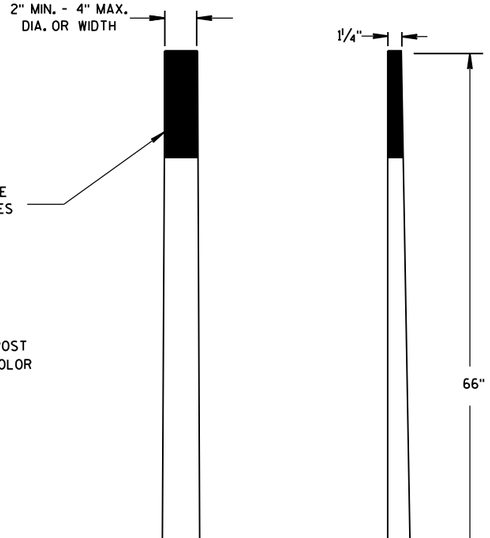
S.D.D. 15 A 3-2a





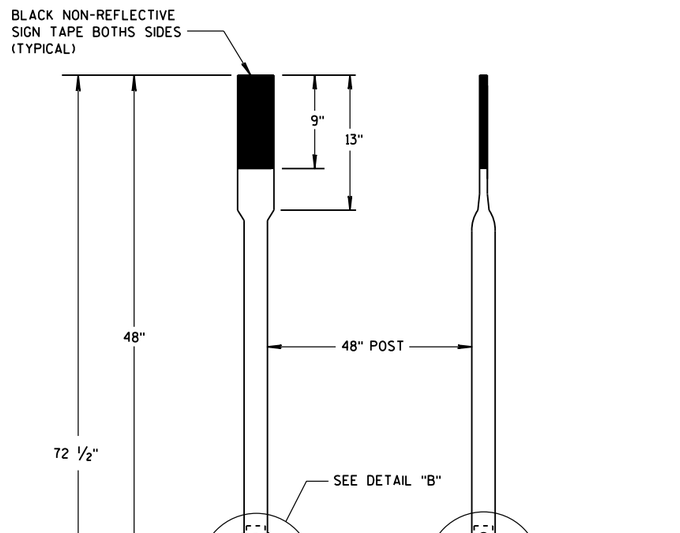
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

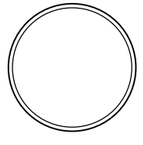
ALTERNATE 2



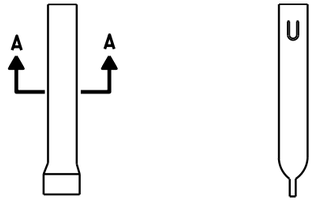
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS

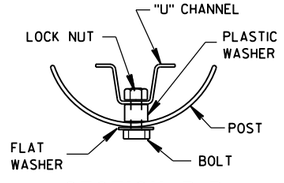


SECTION A-A

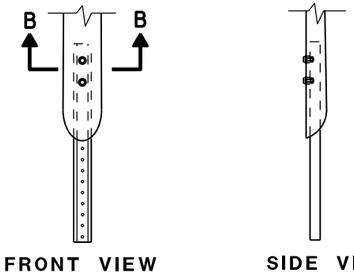


FRONT VIEW SIDE VIEW

ALTERNATE 1

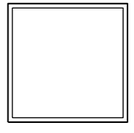


SECTION B-B

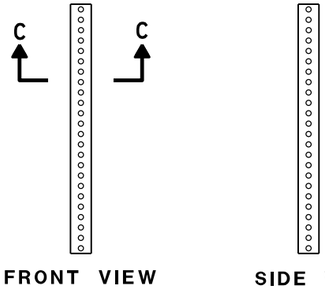


FRONT VIEW SIDE VIEW

ALTERNATE 2



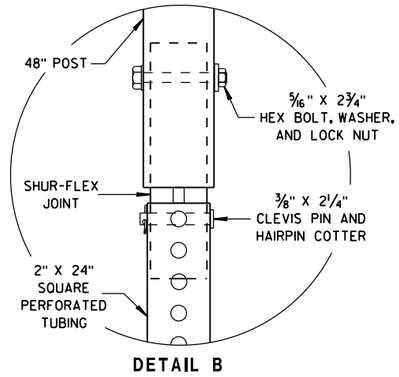
SECTION C-C



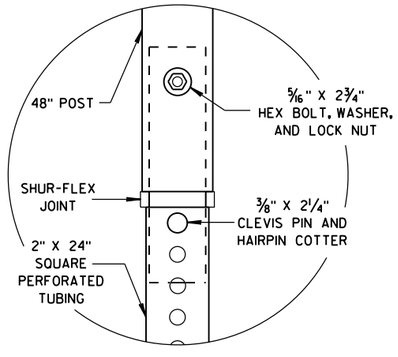
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

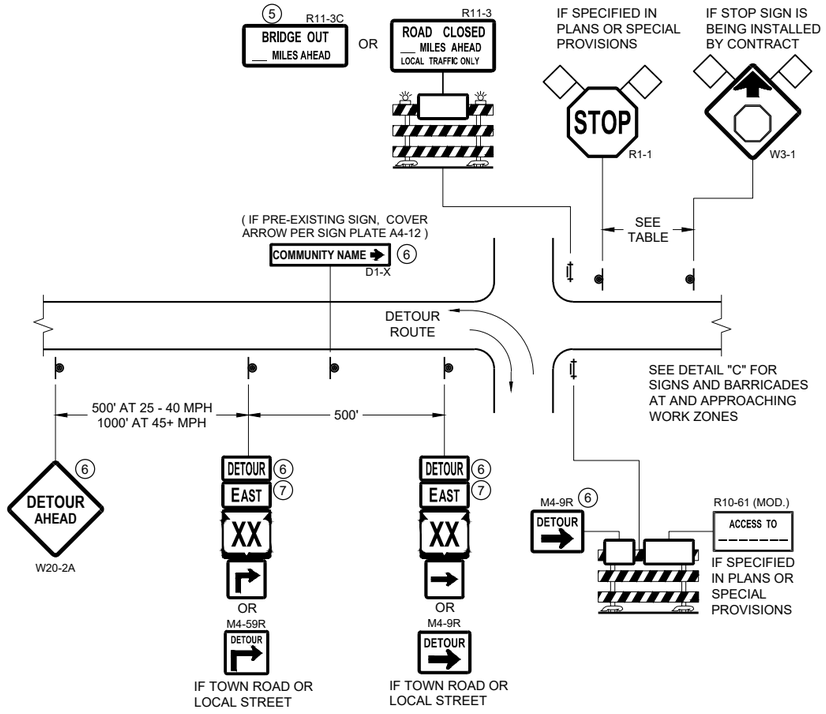
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

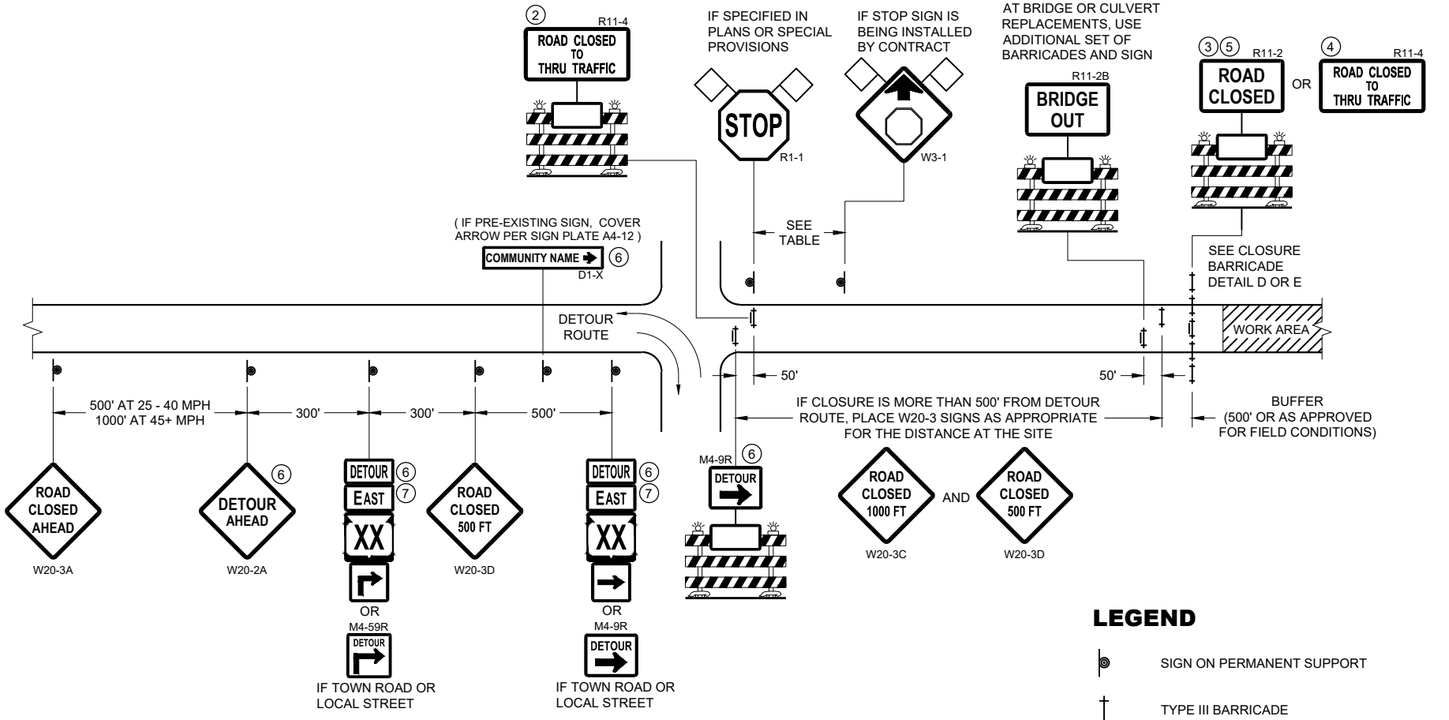
6

S.D.D. 15 A 3-2b

6

S.D.D. 15 A 3-2b



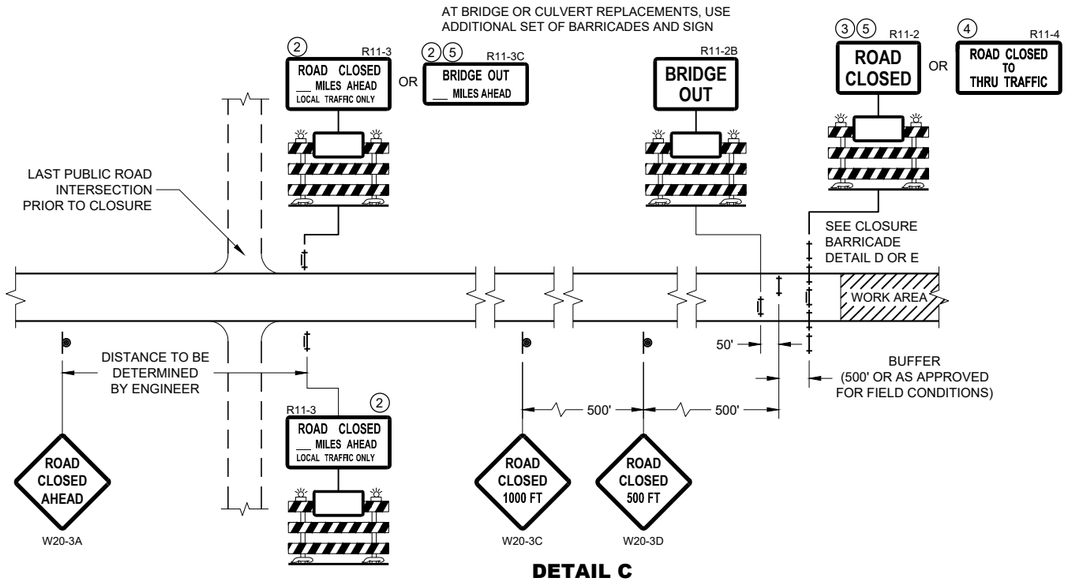


DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

DETOUR M4 - 8
EAST M3 - X
XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A
M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

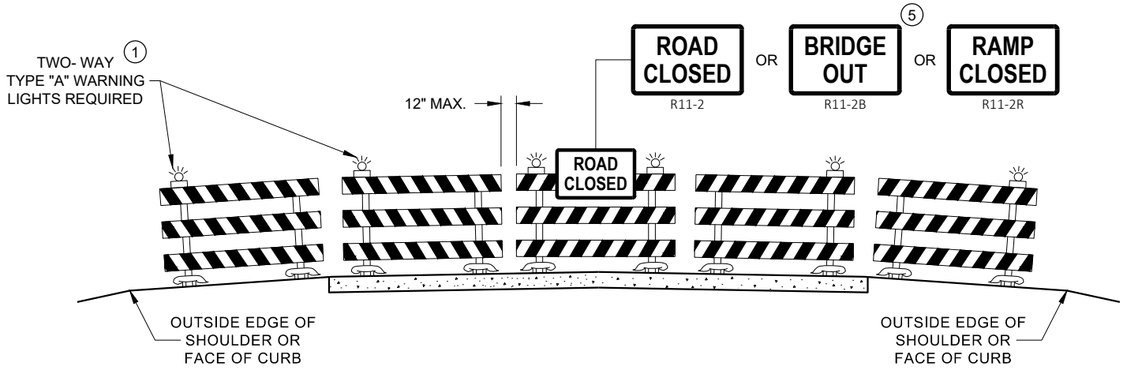
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

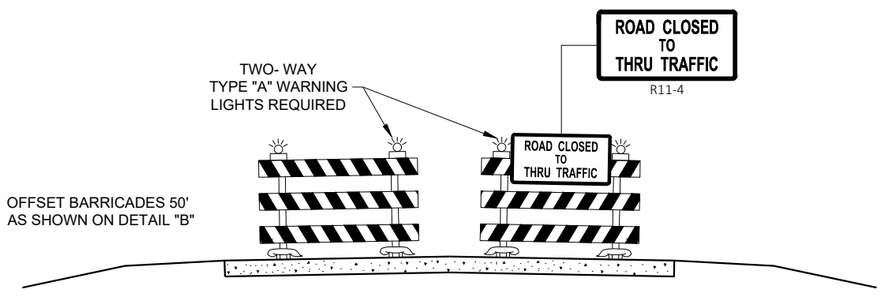
6

SDD 15C02 - 08a

SDD 15C02 - 08a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD 15C02 - 08b

6

SDD 15C02 - 08b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

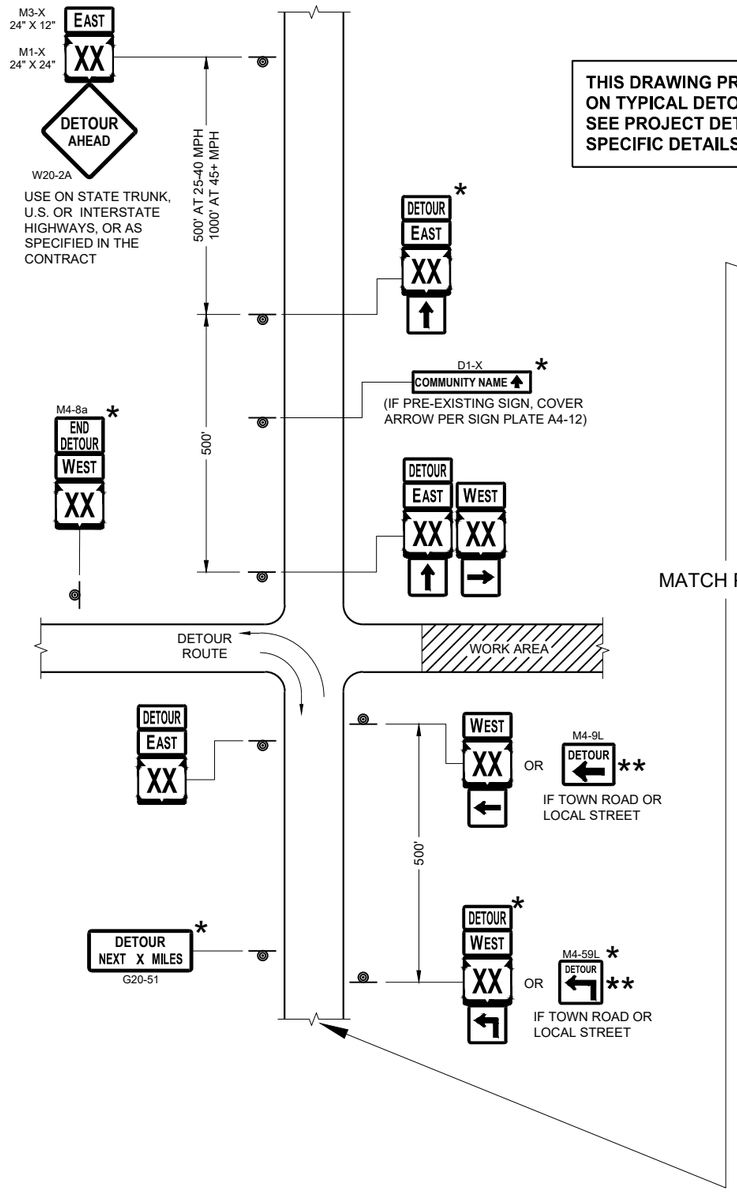
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

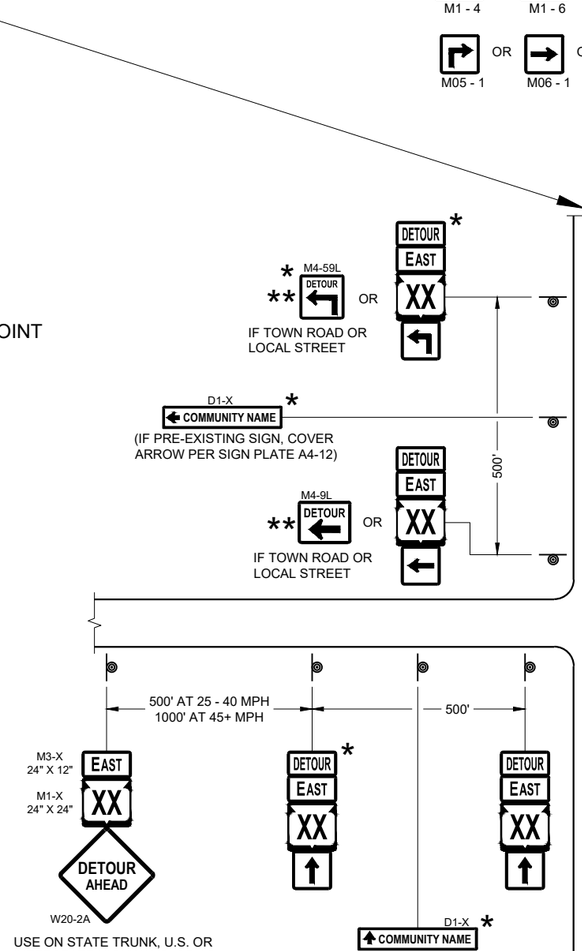
- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING 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.

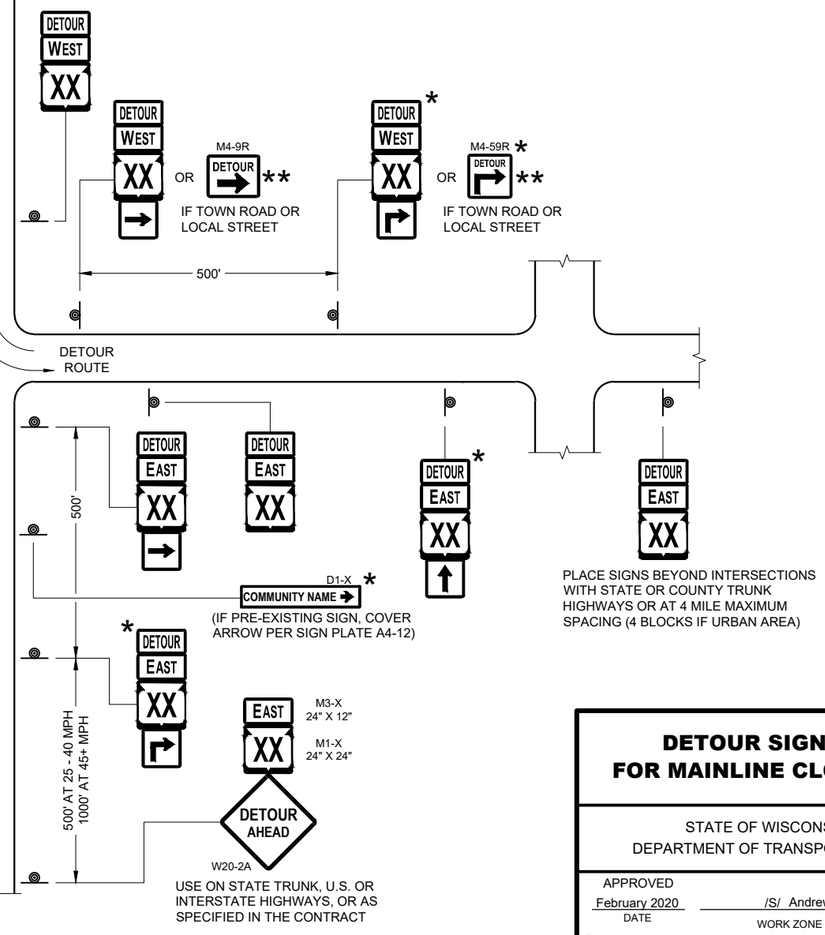
* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** 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.



MATCH POINT





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

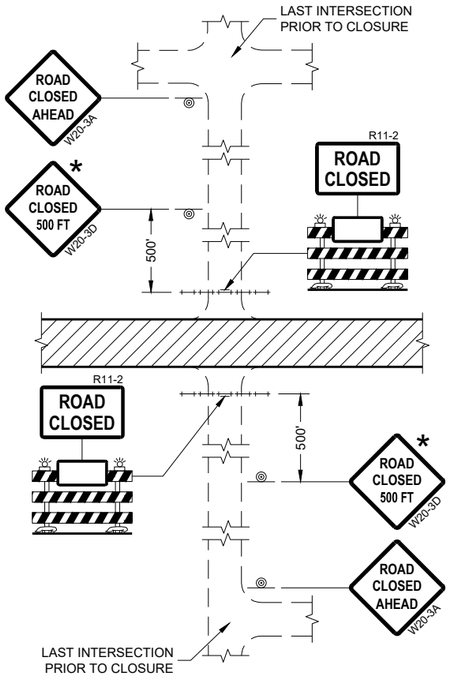
APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

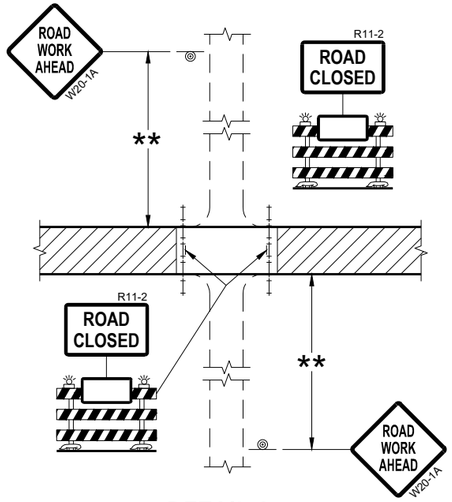
FHWA

SDD 15C02 - 08c

6



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

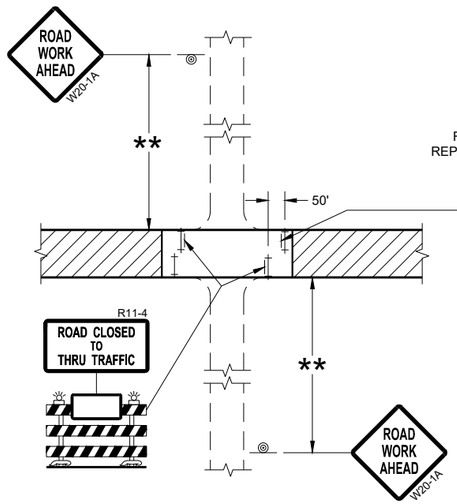
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

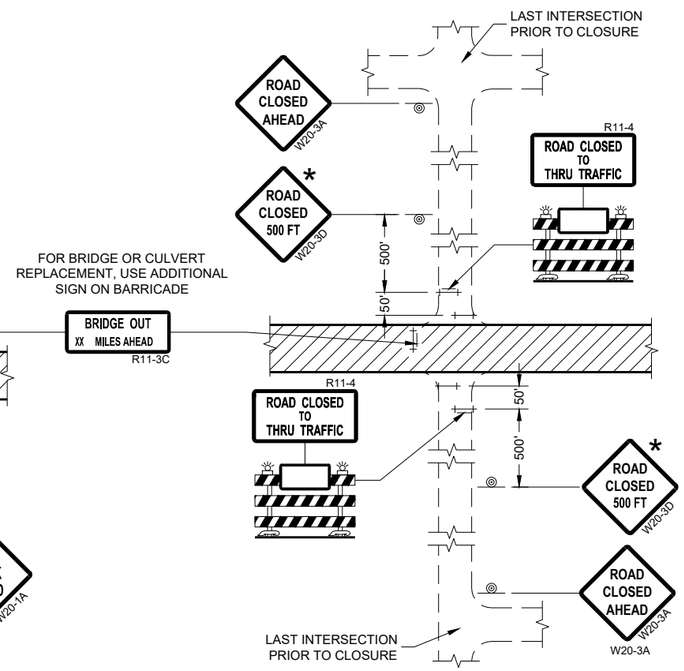
ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C03 - 05

SDD 15C03 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

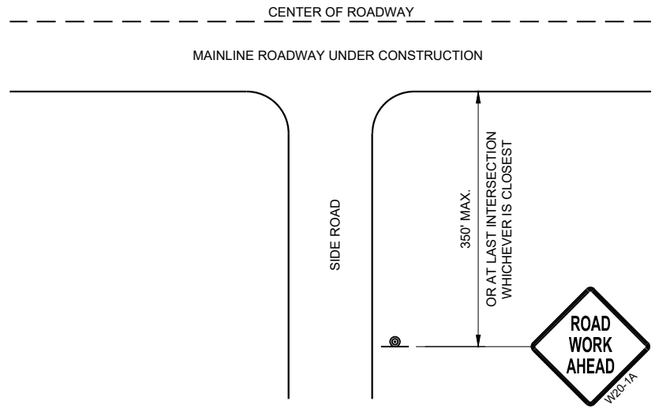
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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.



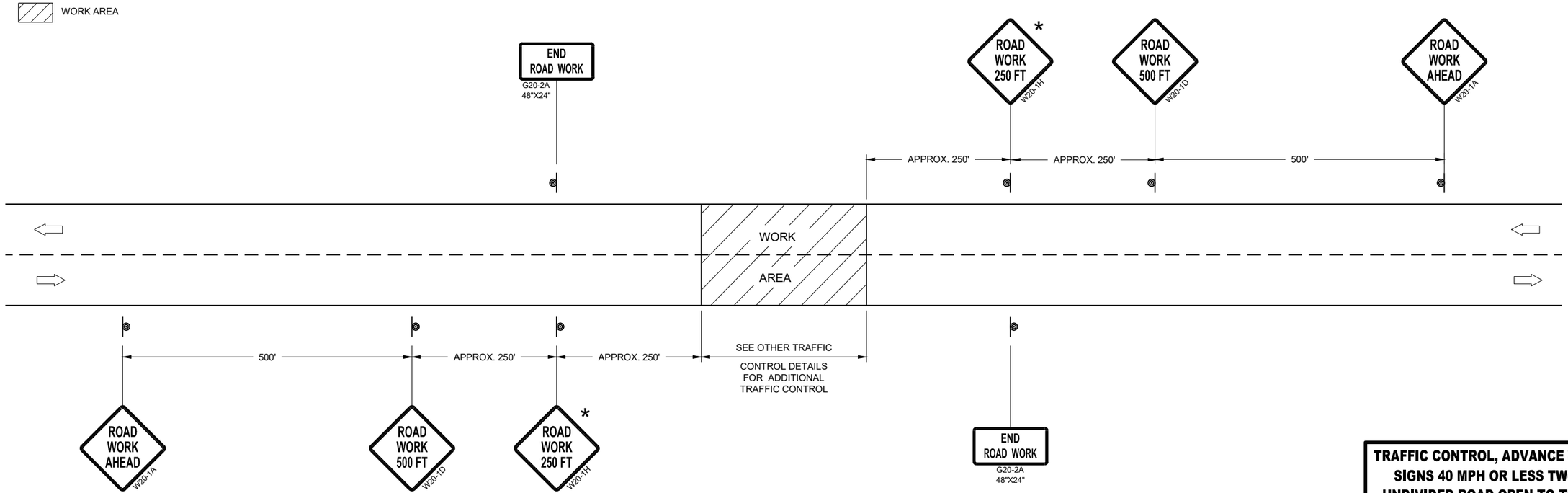
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

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

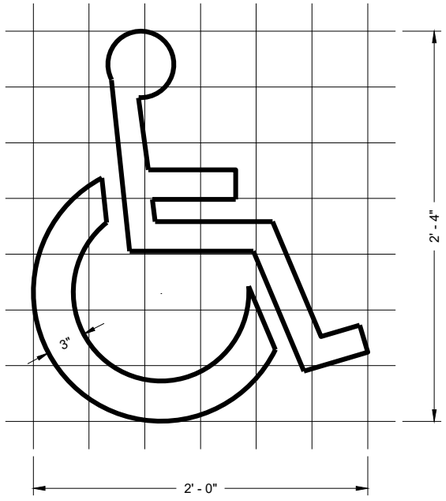
FHWA

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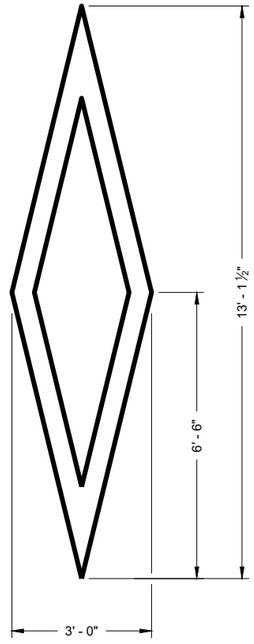
SDD 15C05 - 05

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

6

6

SDD 15C07 - 15a

SDD 15C07 - 15a

PAVEMENT MARKING SYMBOLS

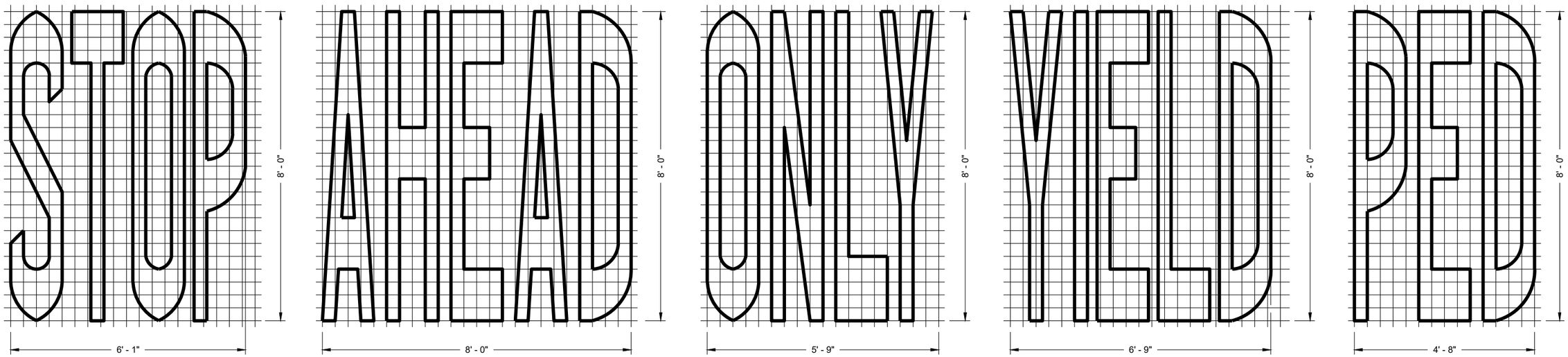
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

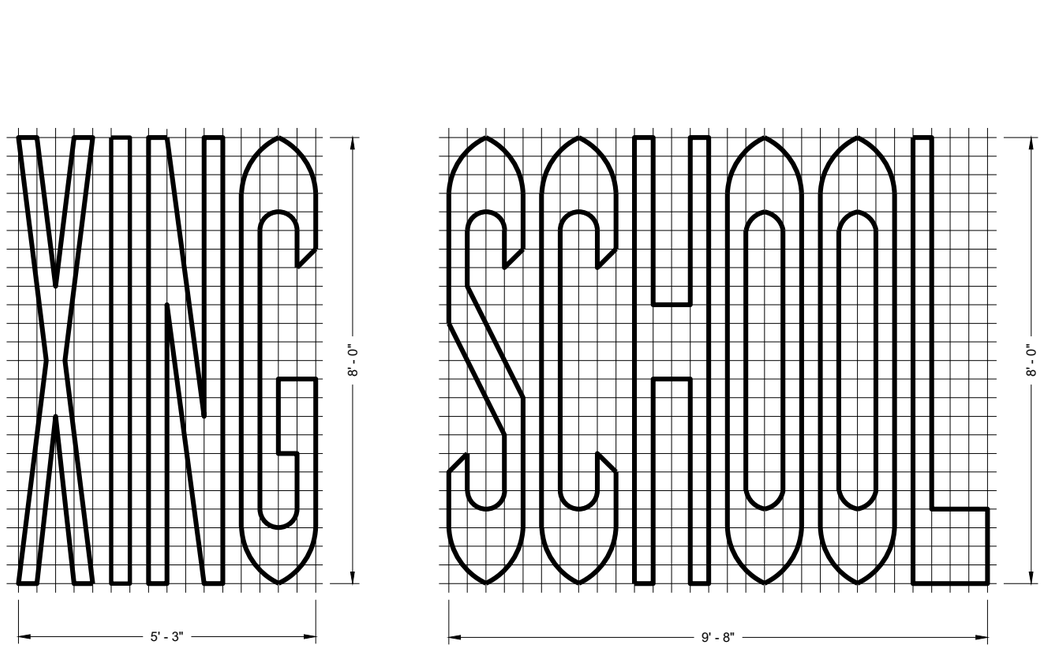
APPROVED

November 2019
DATE

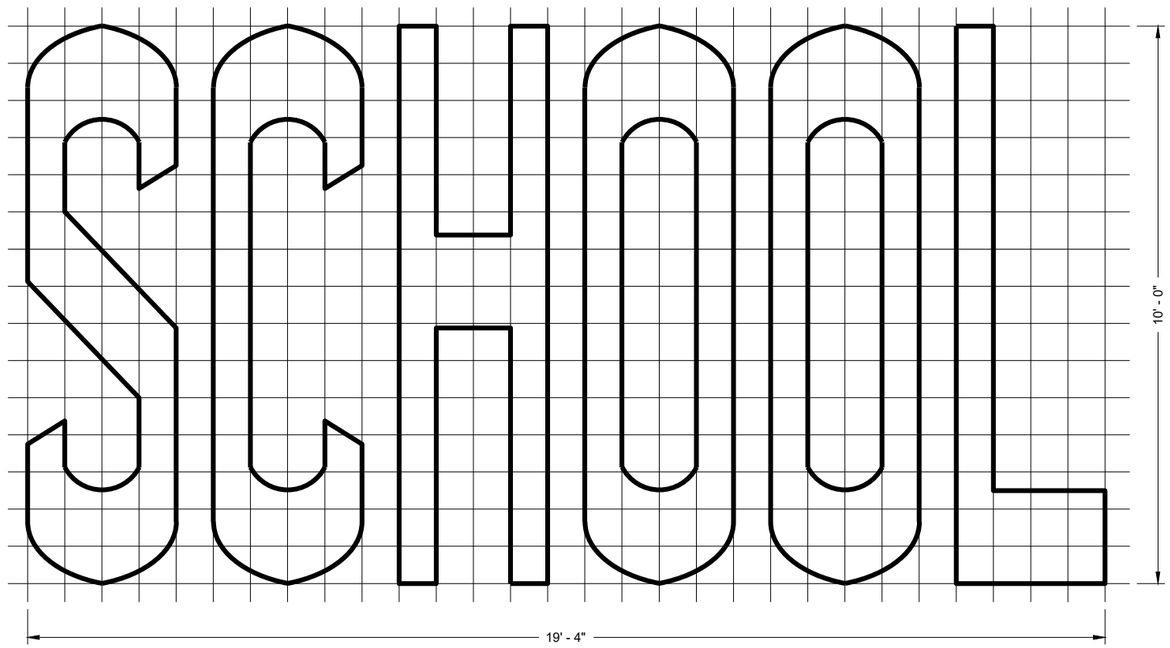
/S/ Matthew Rauch
STATE SIGNING AND MAR ENGINEER

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

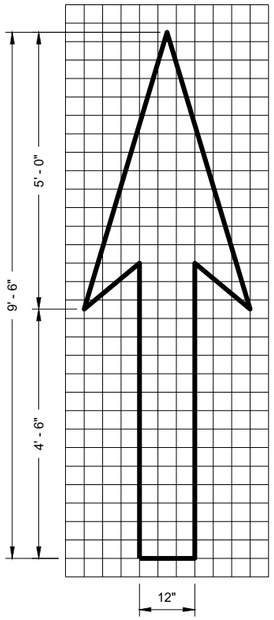
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SDD 15C07 - 15b

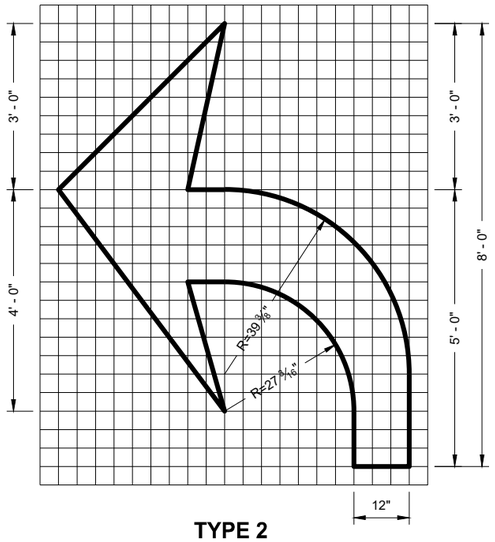
SDD 15C07 - 15b

GENERAL NOTES

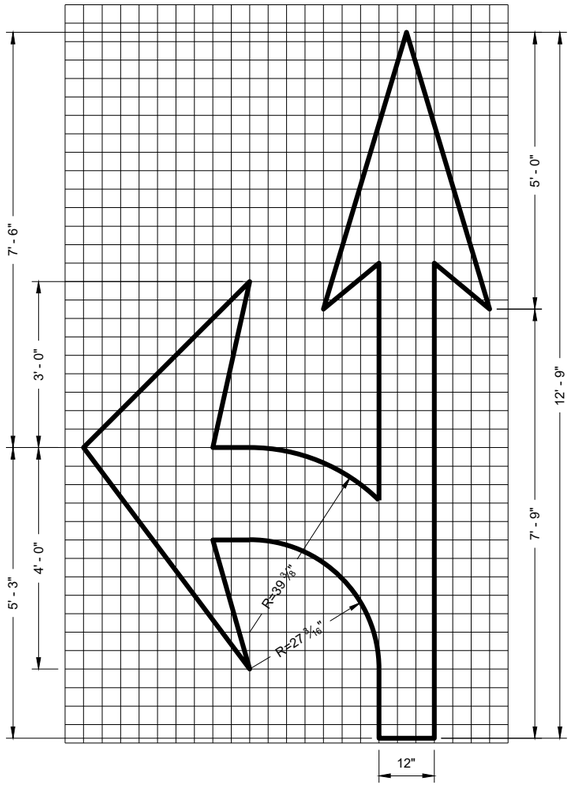
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



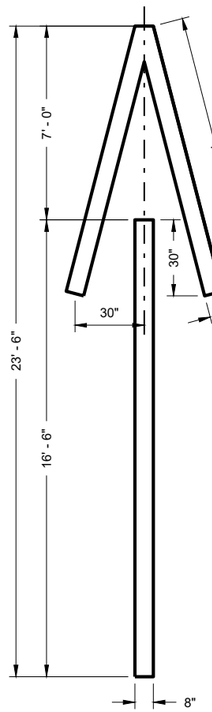
TYPE 1



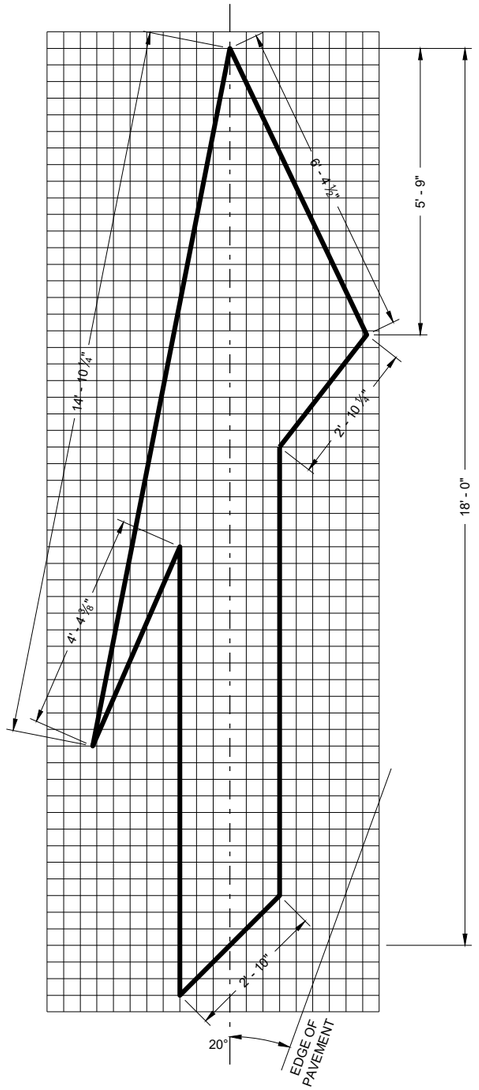
TYPE 2



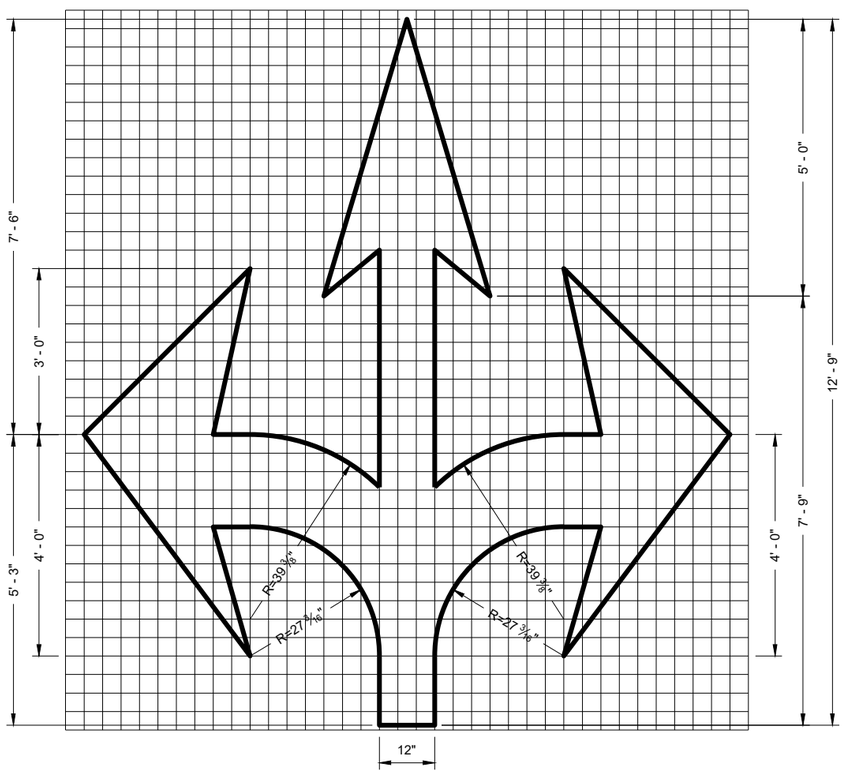
TYPE 3



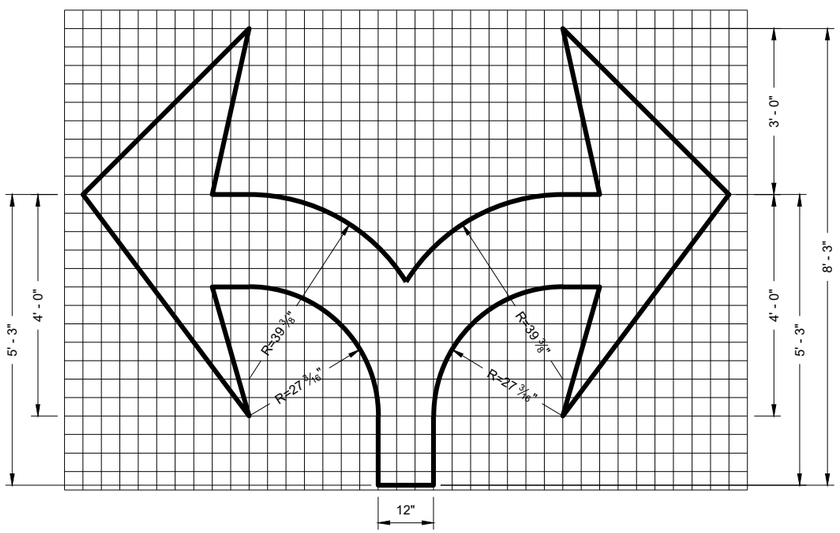
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

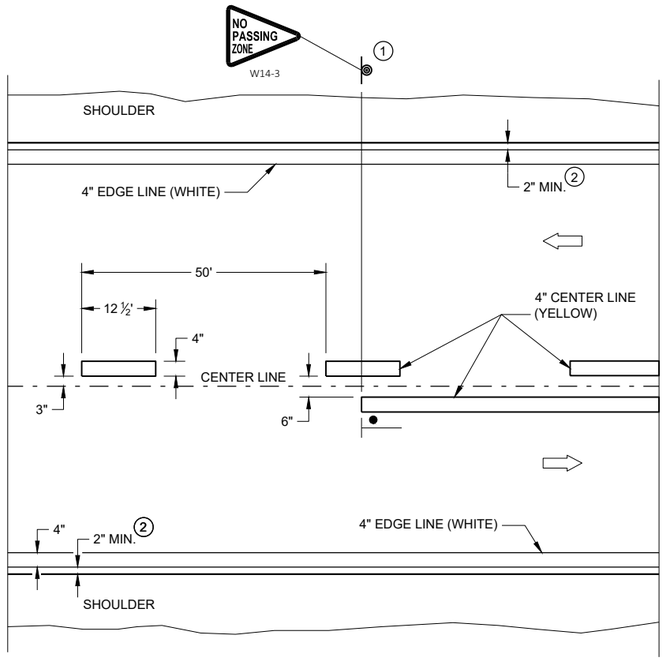
FHWA

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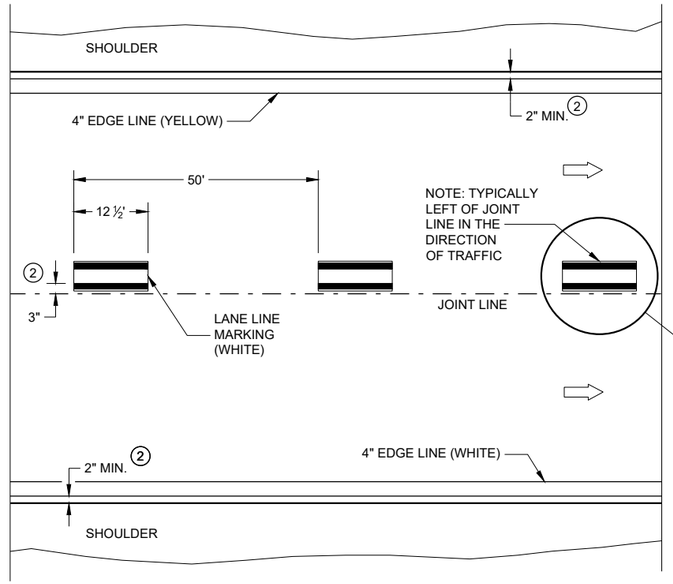
SDD 15C07 - 15c

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SDD 15C07 - 15c

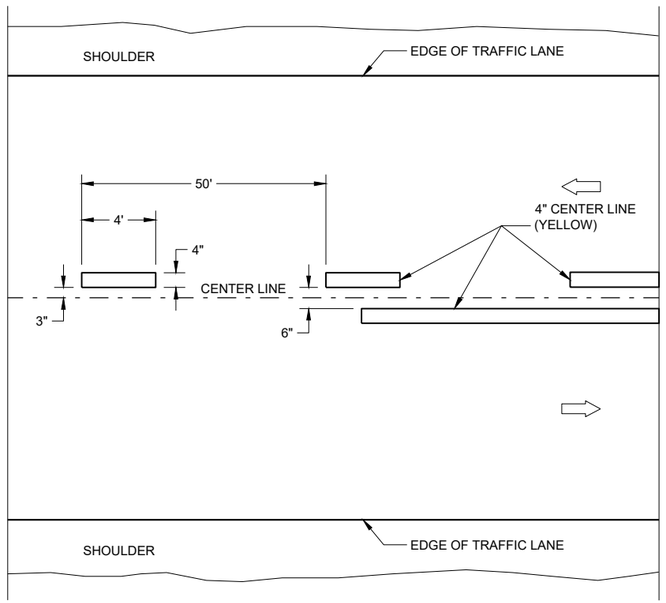


TWO WAY TRAFFIC

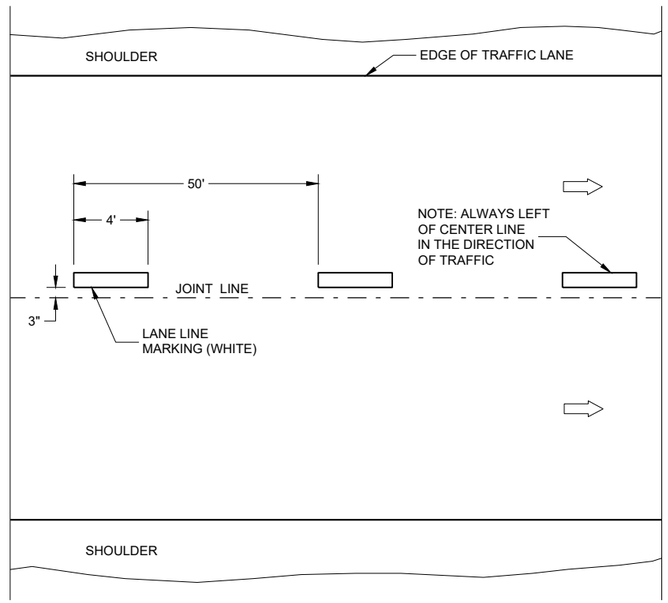


ONE WAY TRAFFIC

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.

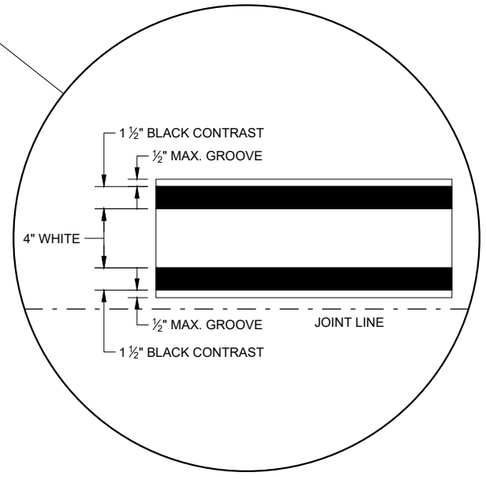
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITH 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

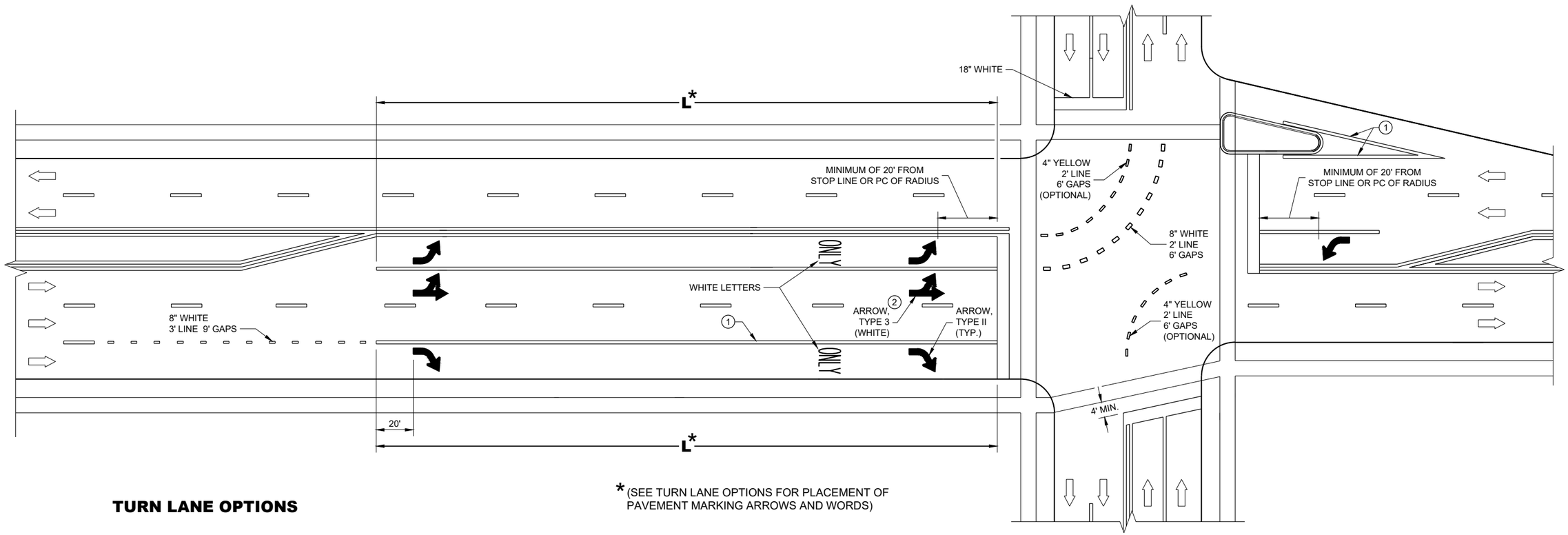
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Matthew Rauch
STATEWIDE SIGNING AND M ENGINEER

FHWA

SDD 15C08 - 20a

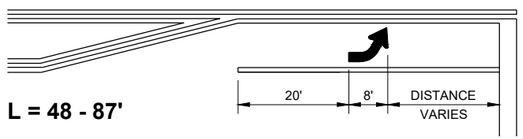
SDD 15C08 - 20a



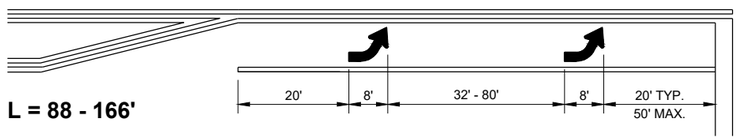
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

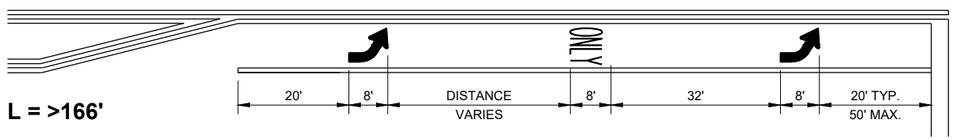
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



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

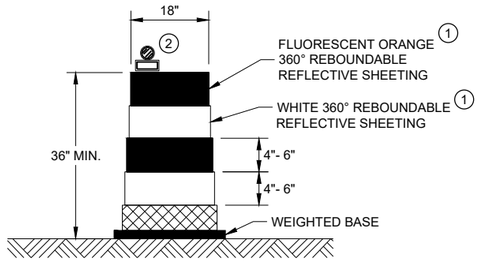
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SDD 15C08 - 20c

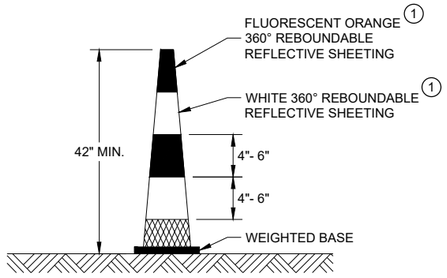
GENERAL NOTES

(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.

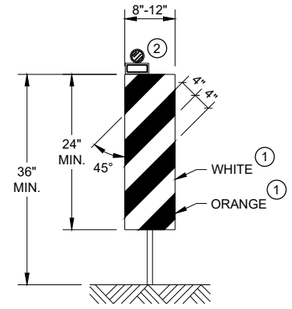


DRUM



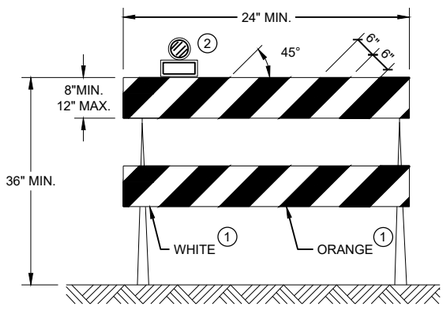
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



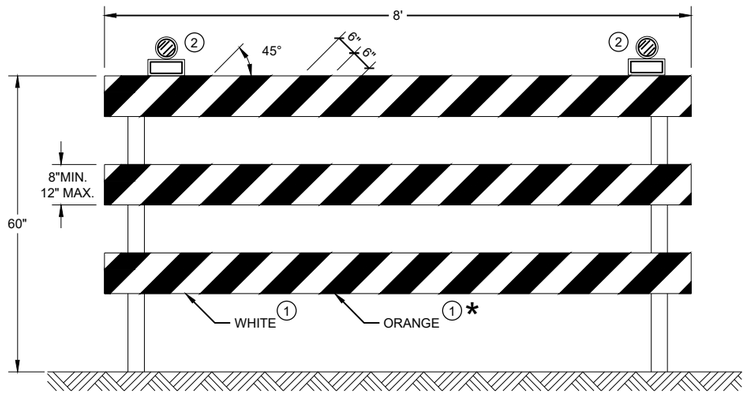
VERTICAL PANEL

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

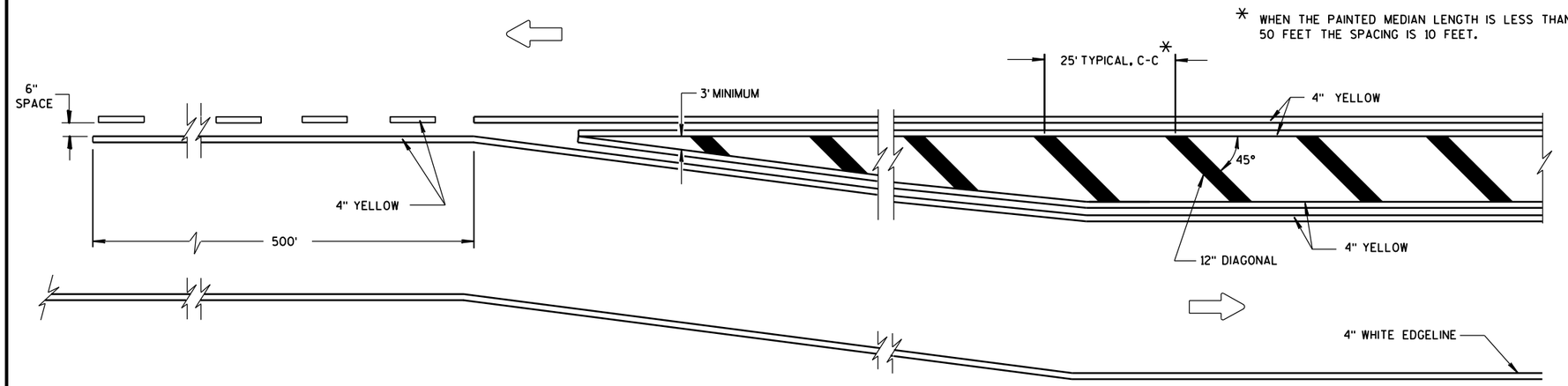
FHWA

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SDD 15C11 - 07b

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SDD 15C11 - 07b

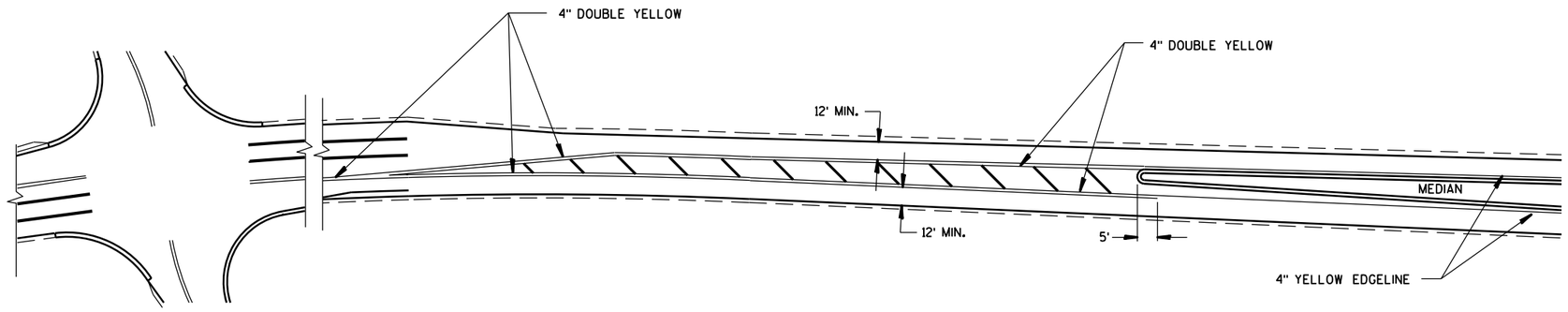


MEDIAN ISLAND DETAIL

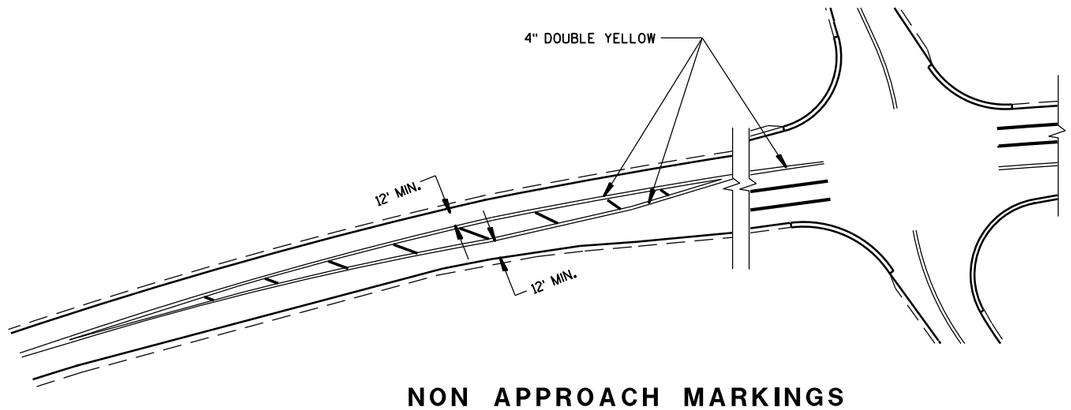
GENERAL NOTE

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

6

6

S.D.D. 15 C 18-4

S.D.D. 15 C 18-4

MEDIAN ISLAND MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

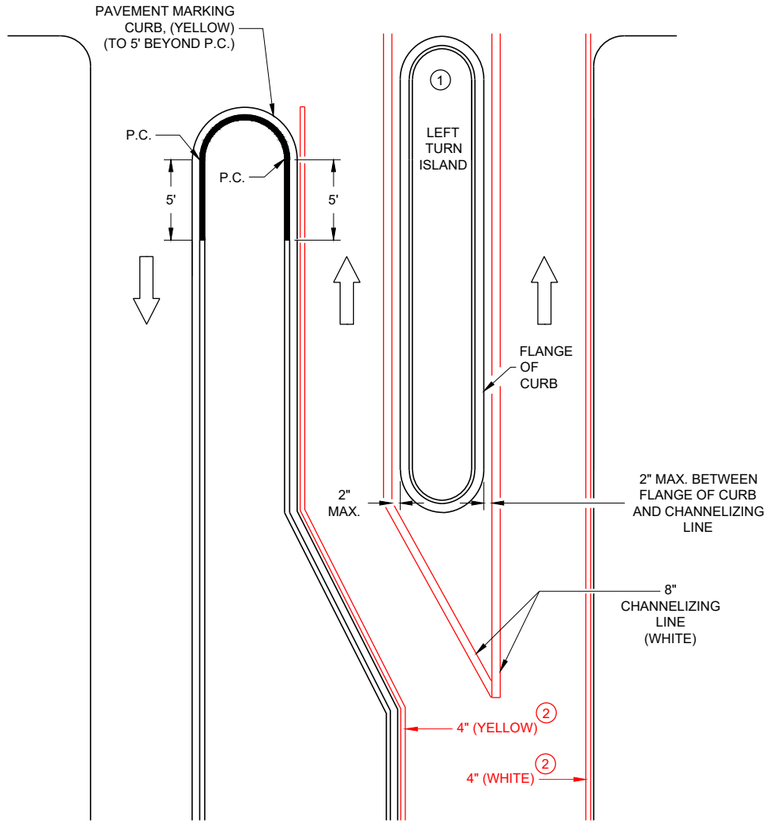
APPROVED

June 2017
DATE

/S/ Matthew Rauch
STATE SIGNING AND MARK[illegible]EER

FHWA

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

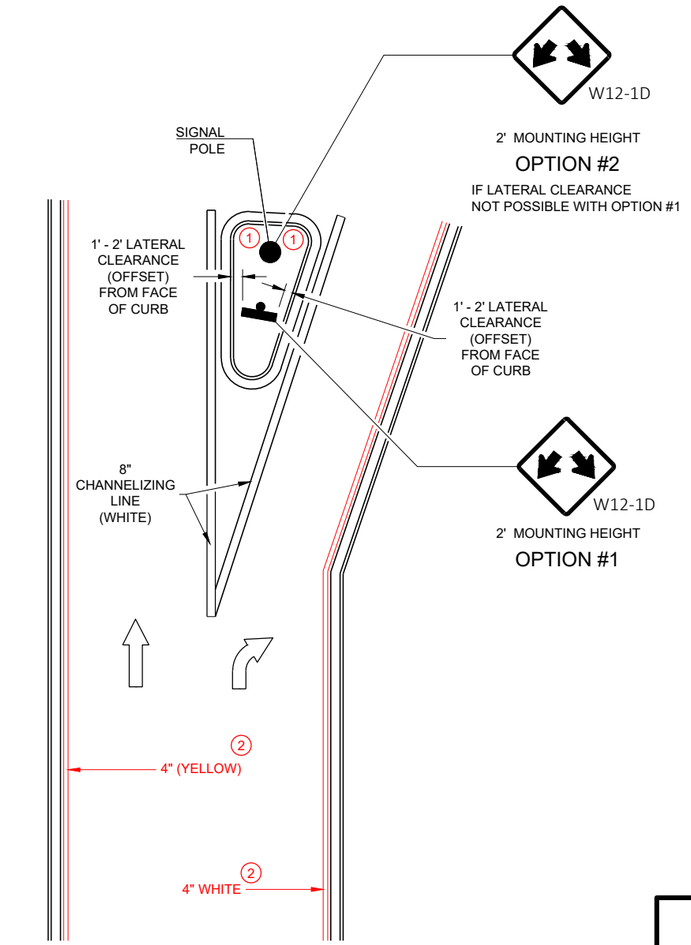
GENERAL NOTES

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

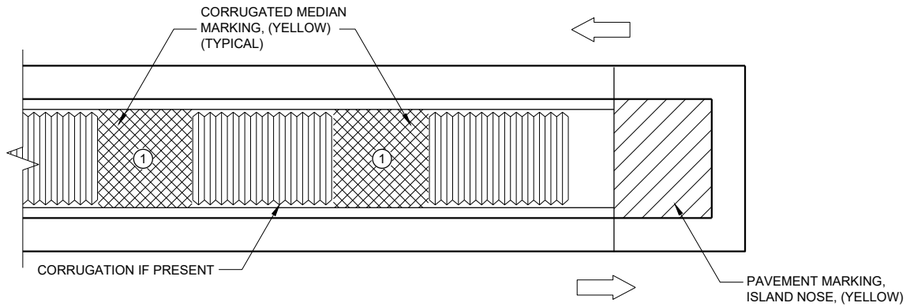
FHWA

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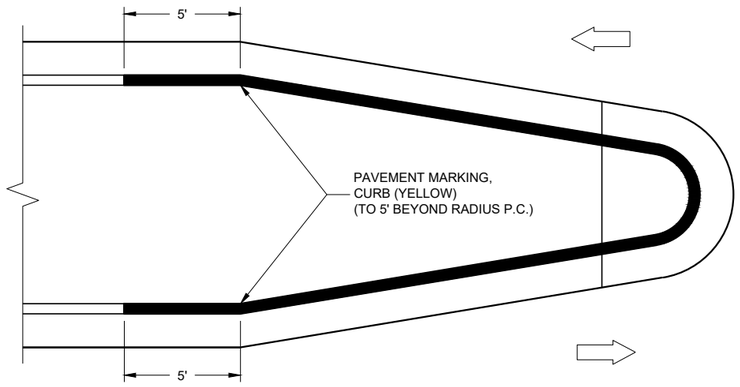
SDD 15C27 - 03a

6

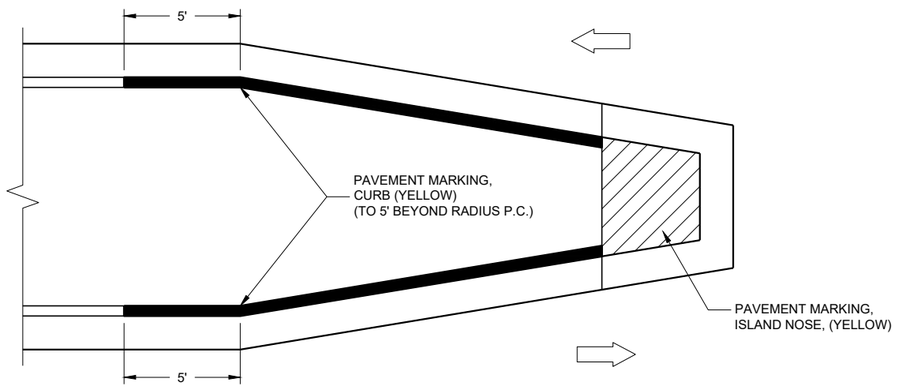
SDD 15C27 - 03a



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.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

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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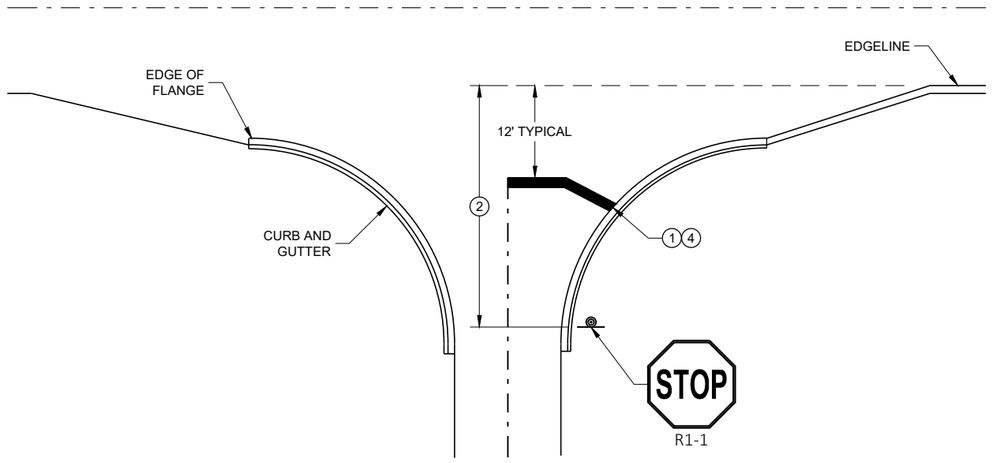
SDD 15C27 - 03b

SDD15C27 - 03b

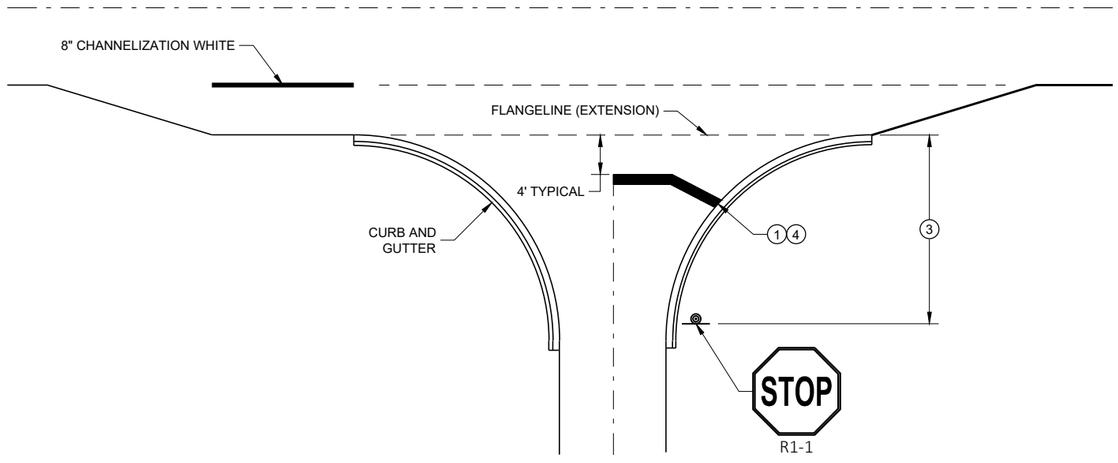
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

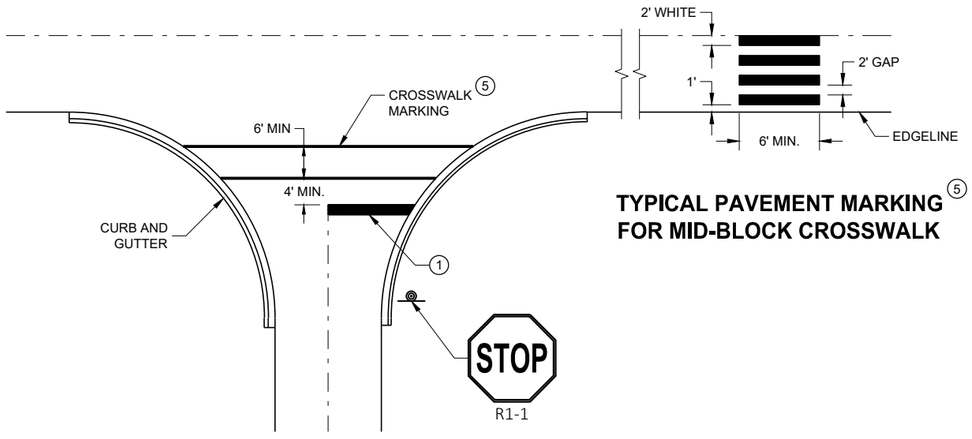
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE 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

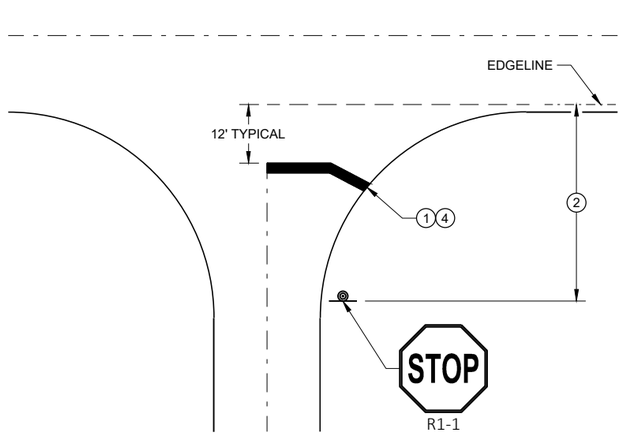


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING

TYPICAL PAVEMENT MARKING 5 FOR MID-BLOCK CROSSWALK



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MARKING ENGINEER

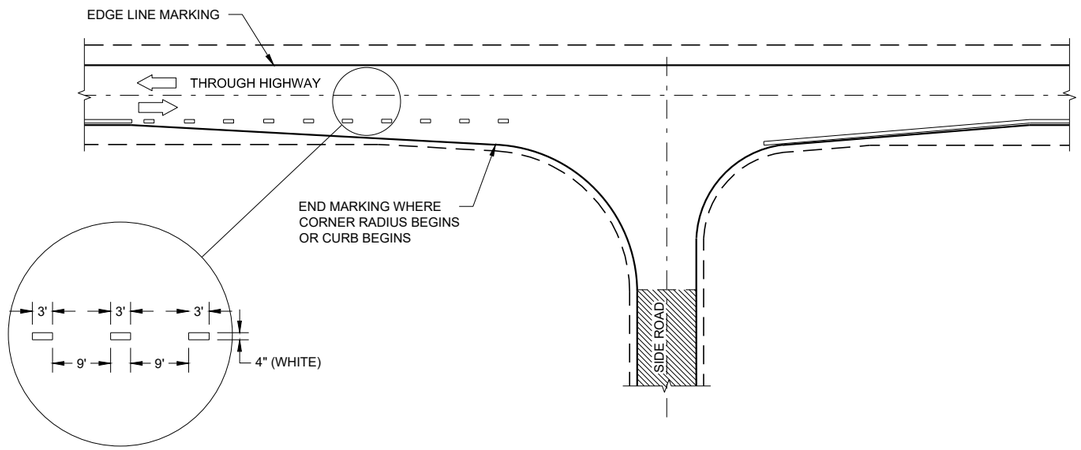
FHWA

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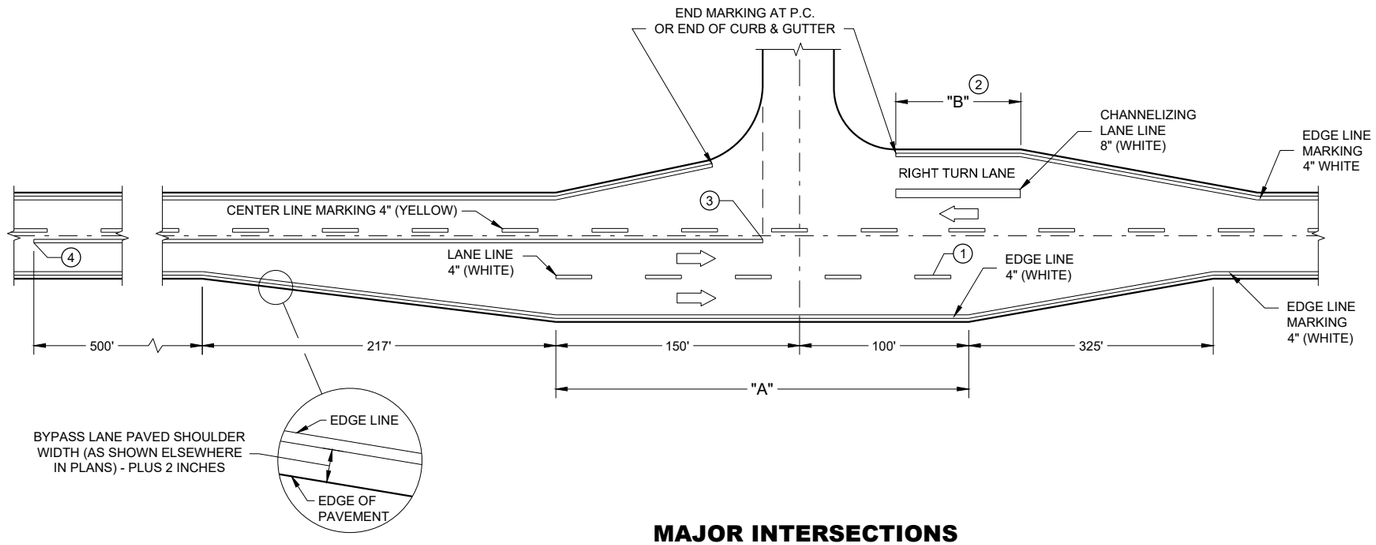
SDD 15C33 - 04

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SDD 15C33 - 04



MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

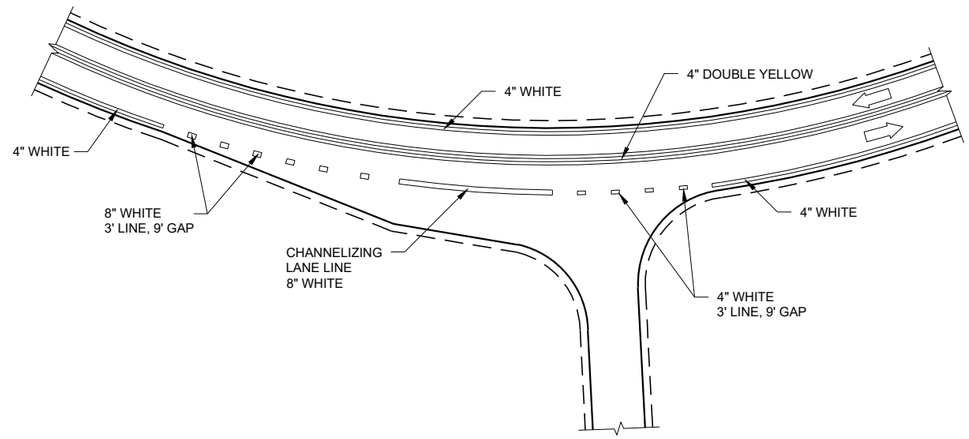
GENERAL NOTES

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)

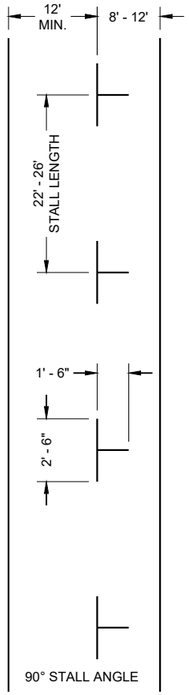
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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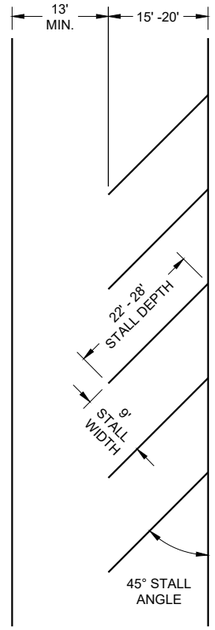
SDD 15C35 - 04a

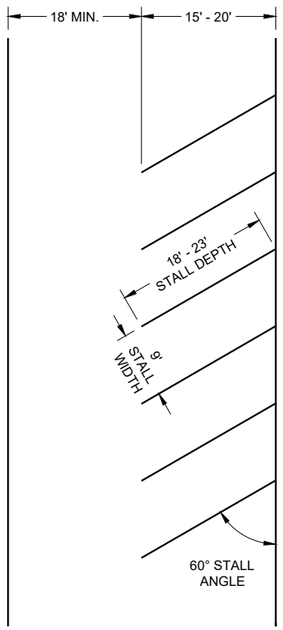
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SDD 15C35 - 04a



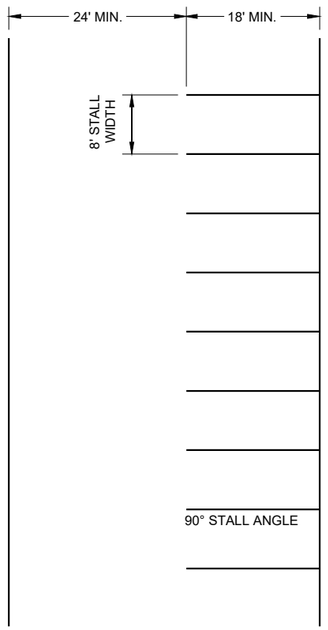
PARALLEL PARKING





ANGLED PARKING

(ANGLED PARKING IS NOT ALLOWED ON STATE HIGHWAYS UNLESS A DESIGN JUSTIFICATION HAS BEEN COMPLETED.)



PARKING LOTS

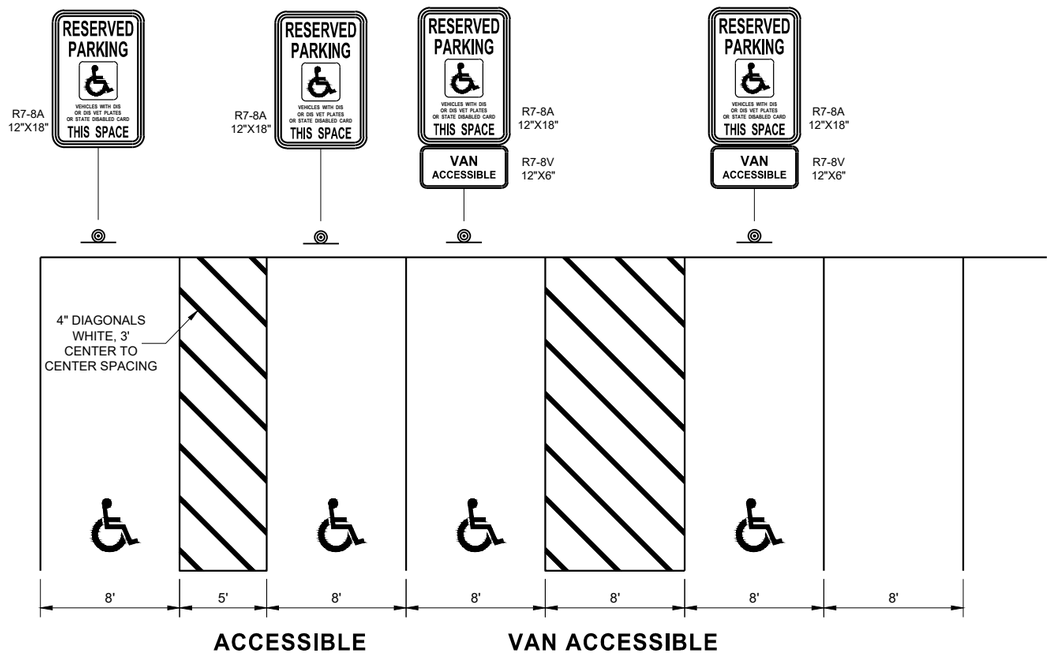
GENERAL NOTES

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 MAR ENGINEER

FHWA

6

SDD 15C36 - 01

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.

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.

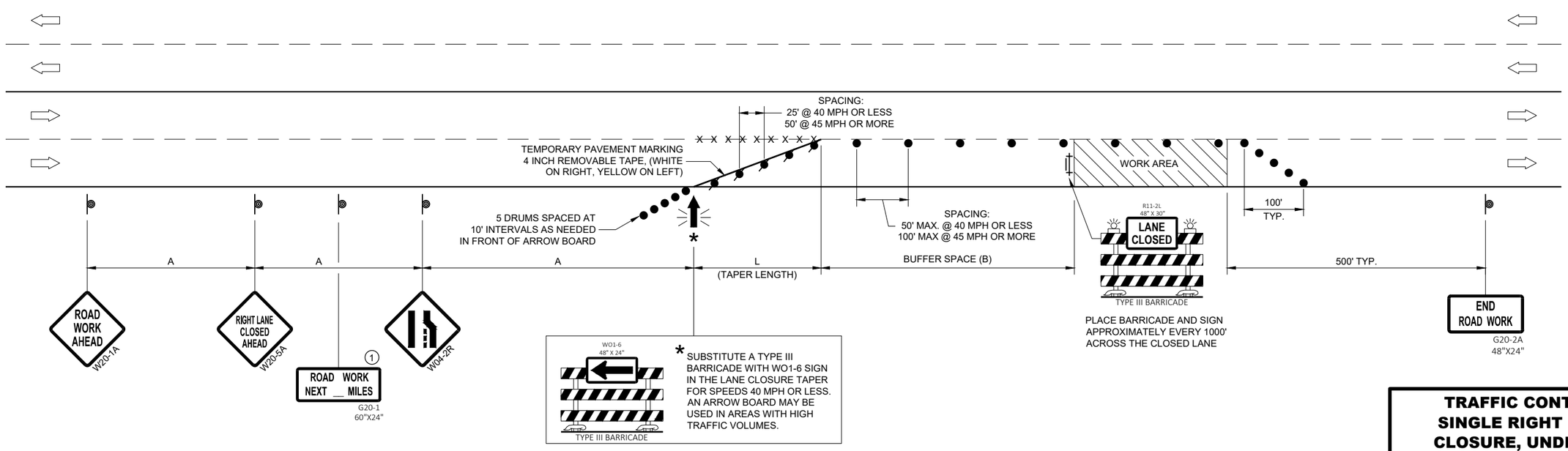
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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.

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 RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

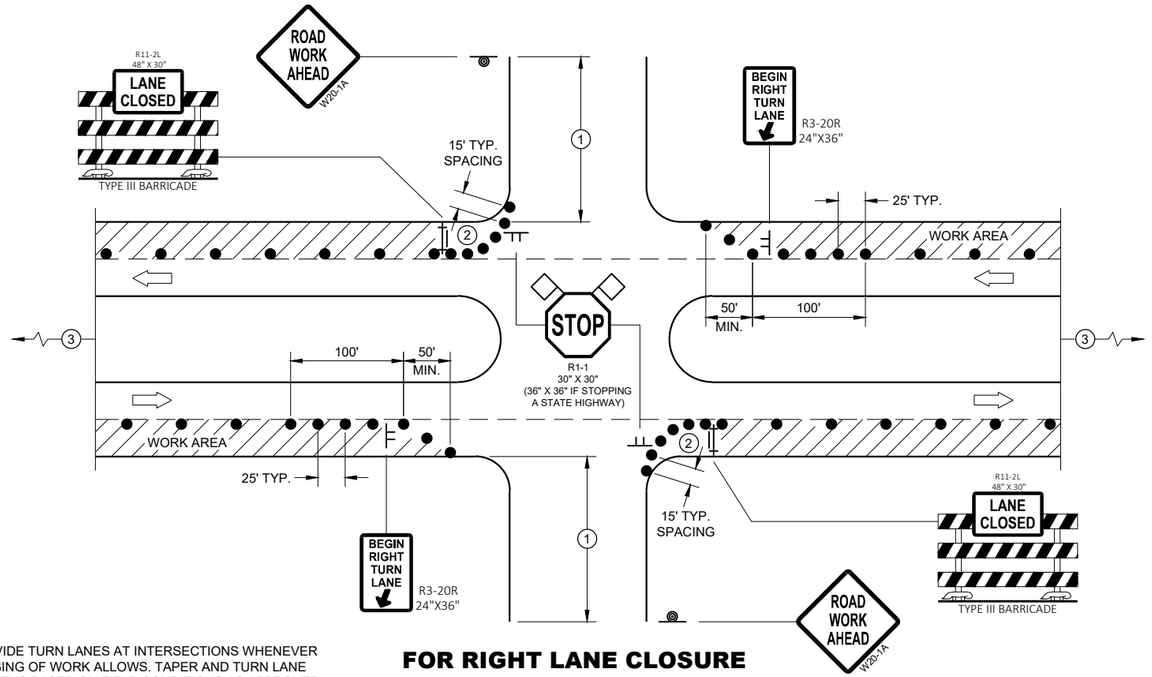
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

SDD 15D20 - 05b

SDD 15D20 - 05b



FOR RIGHT LANE CLOSURE AT INTERSECTION

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

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.

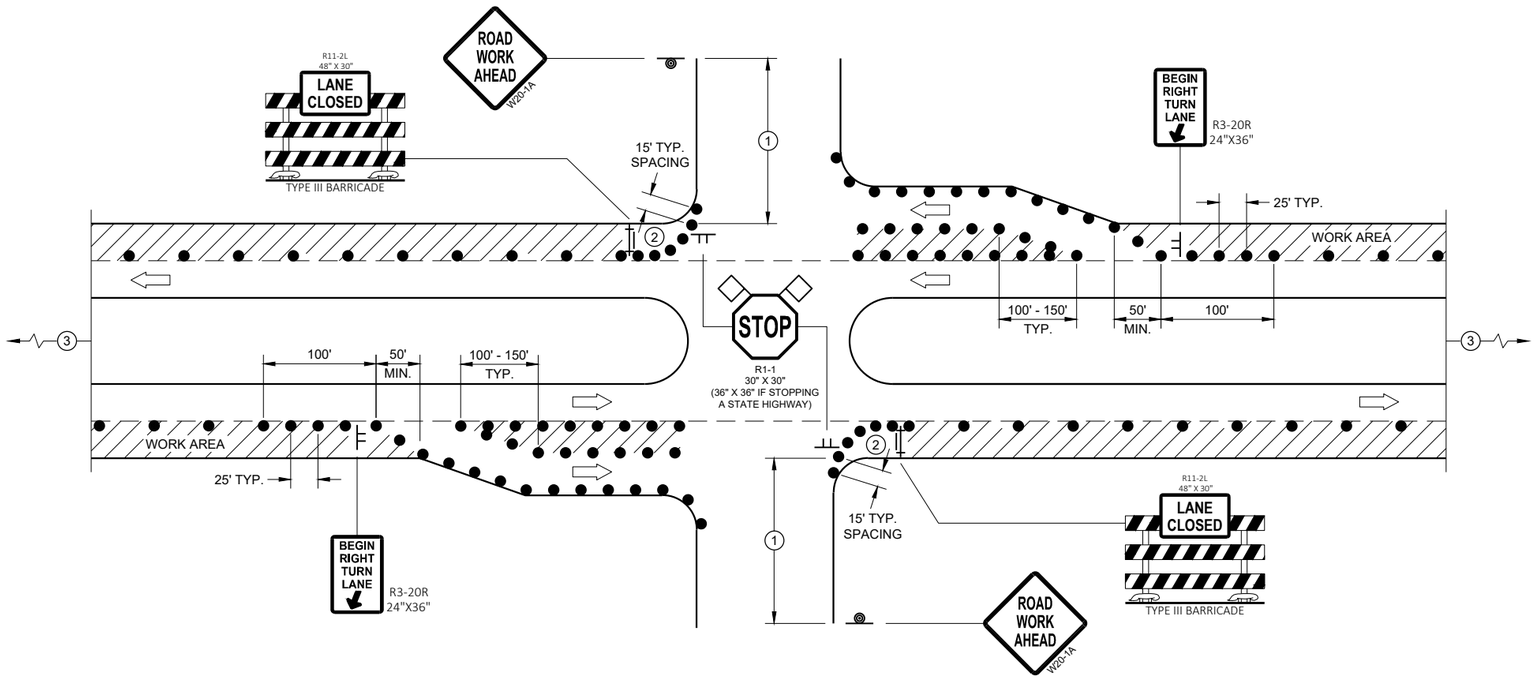
(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(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



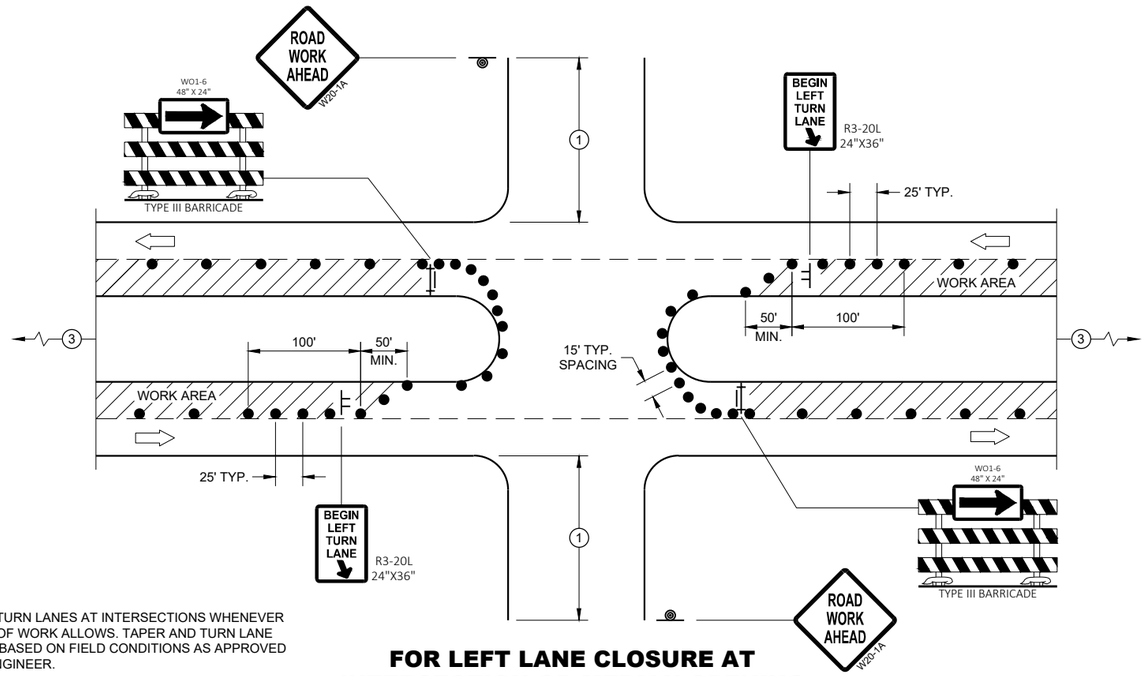
FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 15D21 - 06a

SDD 15D21 - 06a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

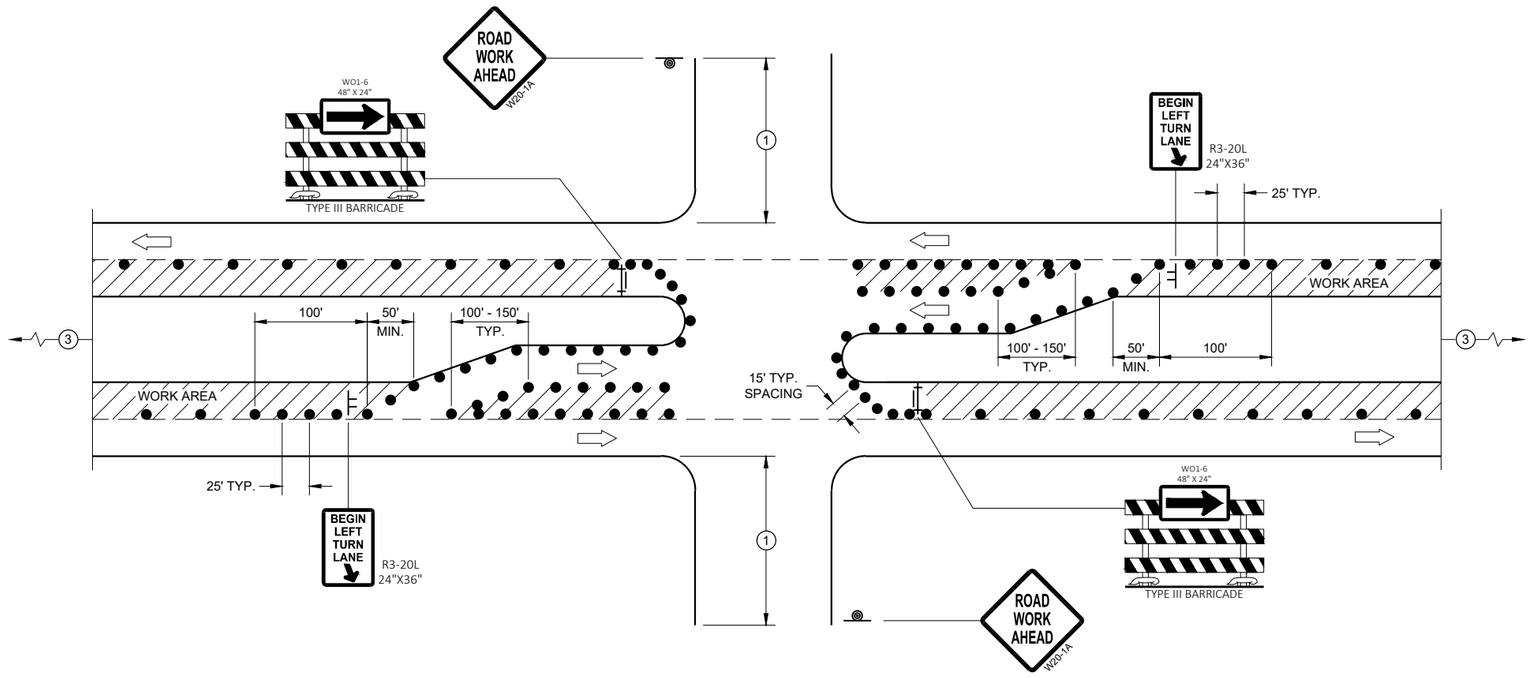
(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

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

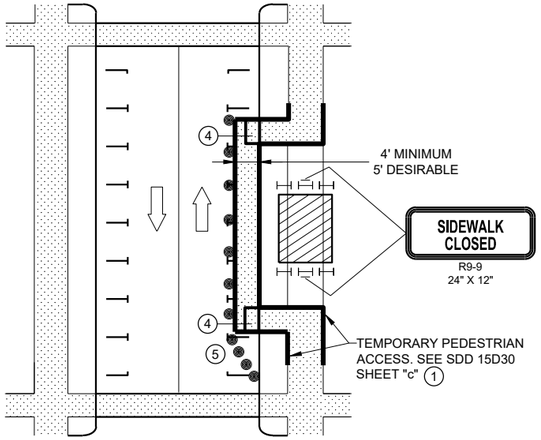
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

SDD 15D21 - 06b

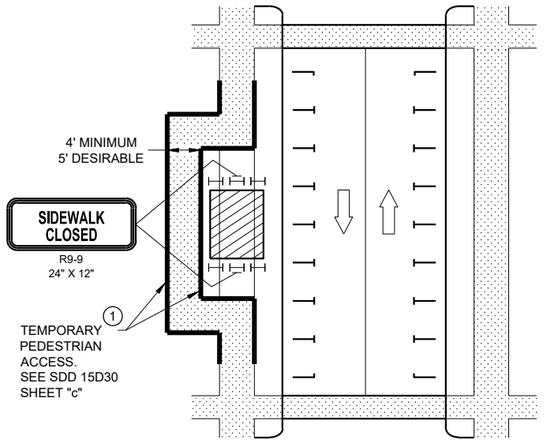
SDD 15D21 - 06b

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

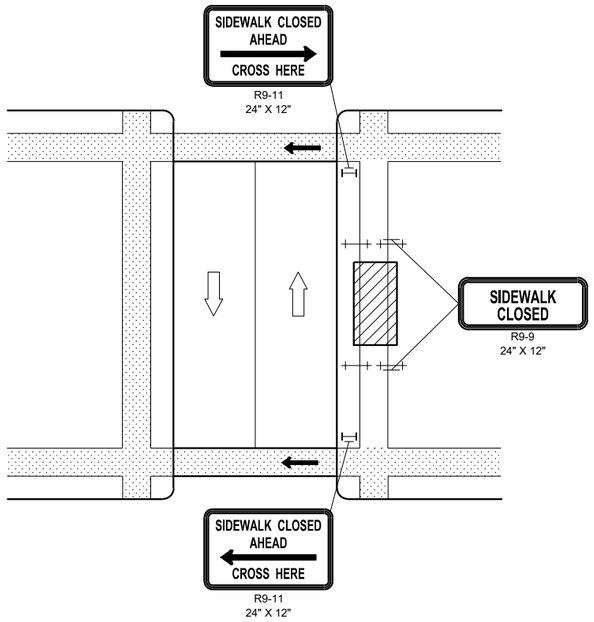


MID-BLOCK SIDEWALK SIDEWALK CLOSURE IN PARKING LANE

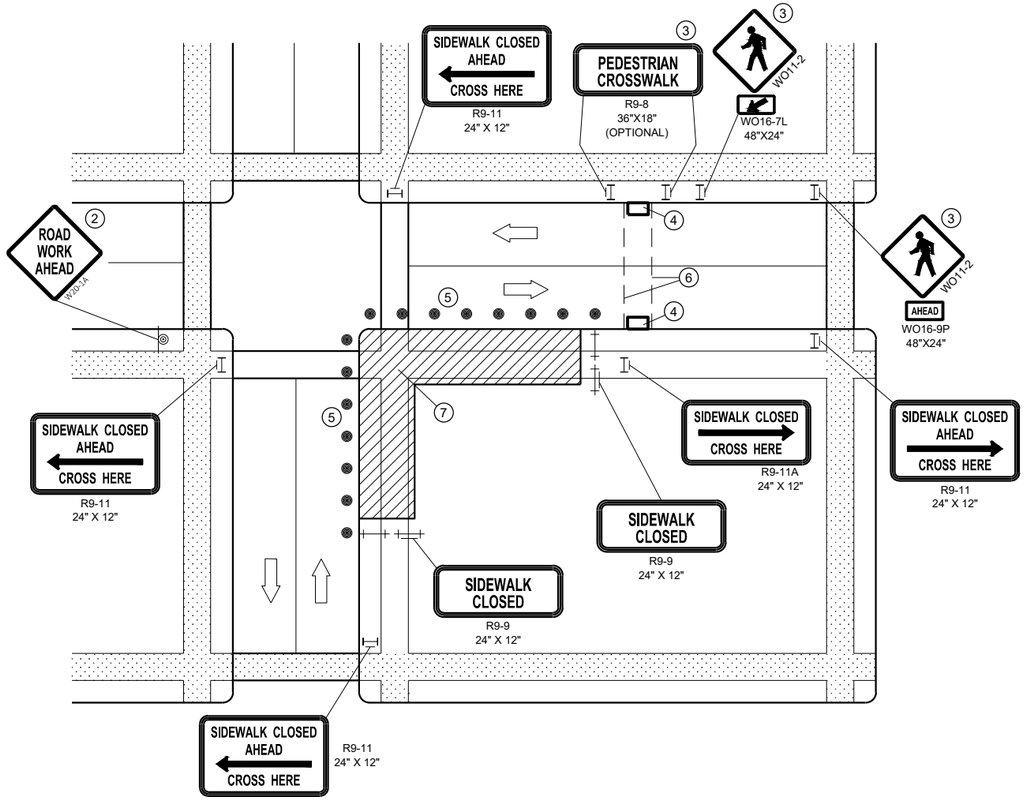
NOTE: LAYOUT SAME AS ABOVE.



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

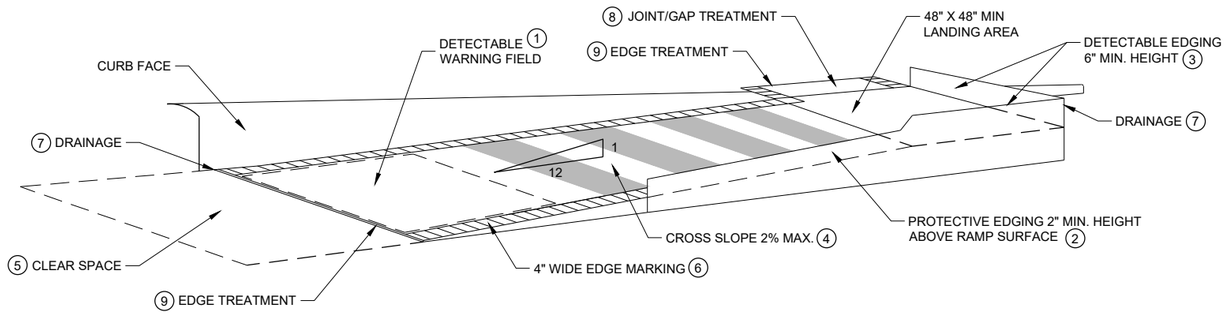
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

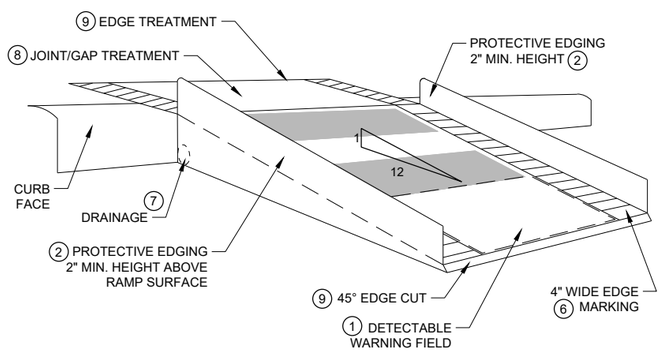
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

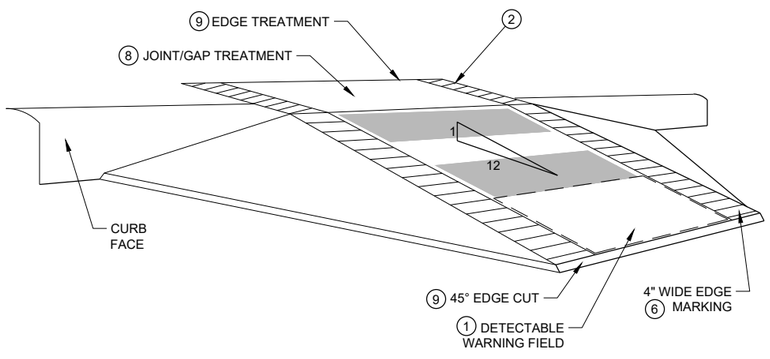
SDD15D30 - 06a



TEMPORARY CURB RAMP PARALLEL TO CURB



WITH PROTECTIVE EDGE



WITH SIDE APRON

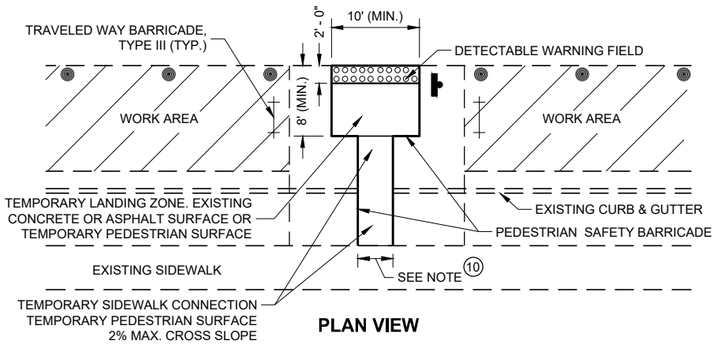
TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

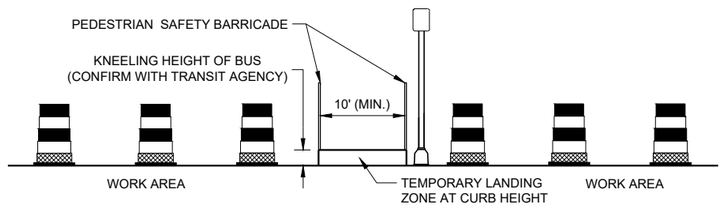
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

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

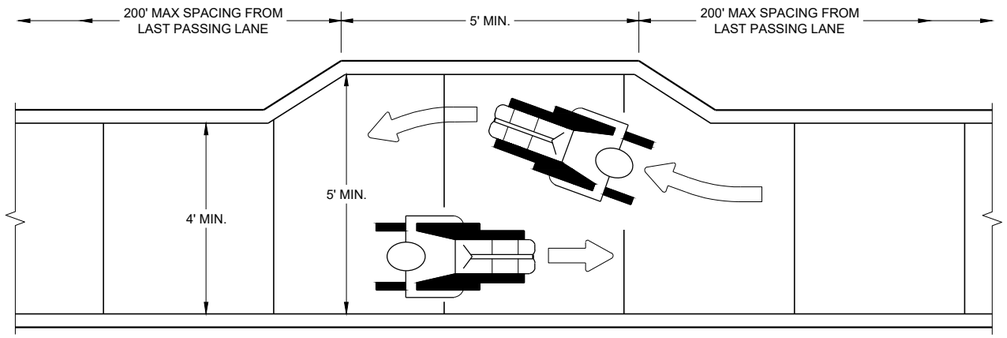
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

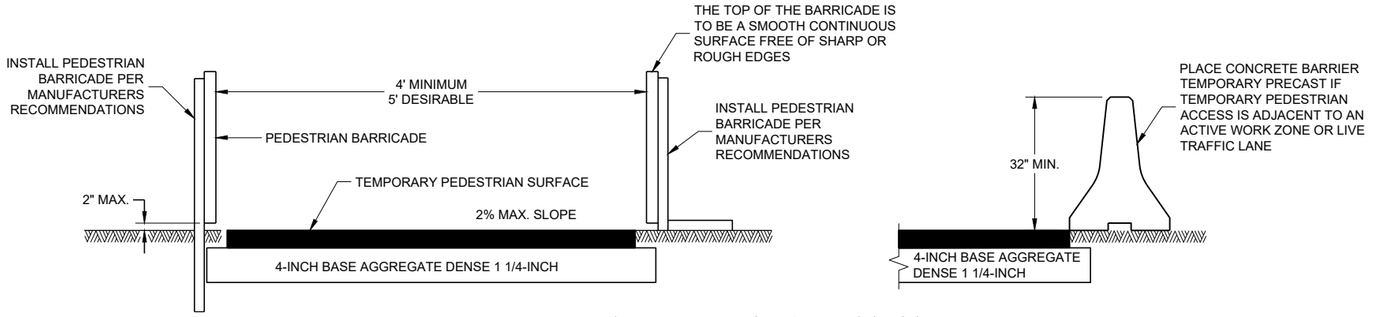
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SDD 15D30 - 06b

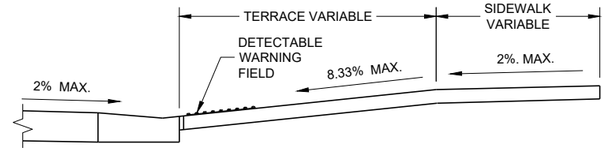
SDD 15D30 - 06b



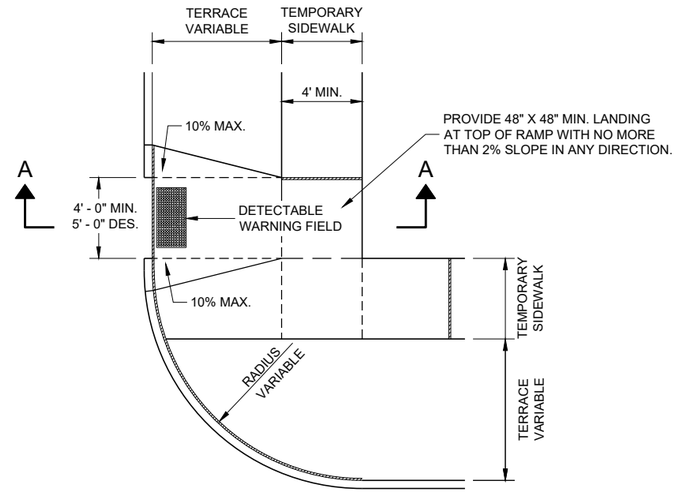
NARROW SIDEWALK PASSING DETAIL



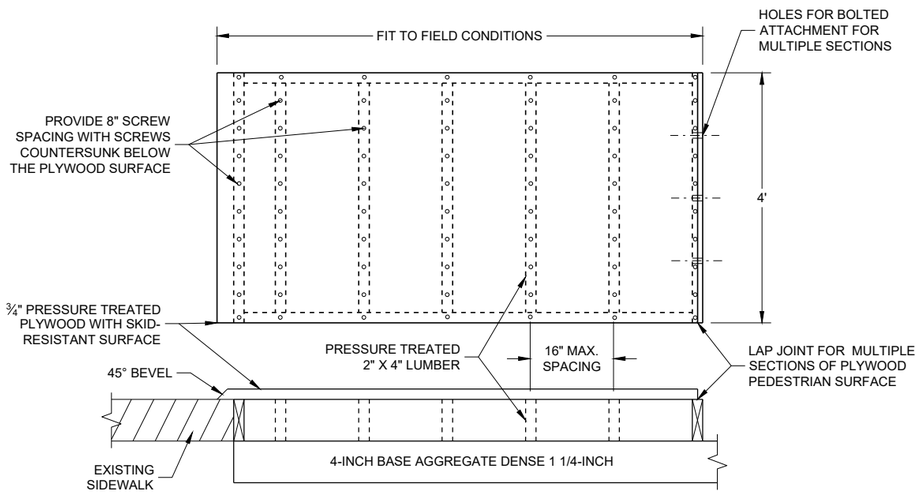
TEMPORARY PEDESTRIAN ACCESS



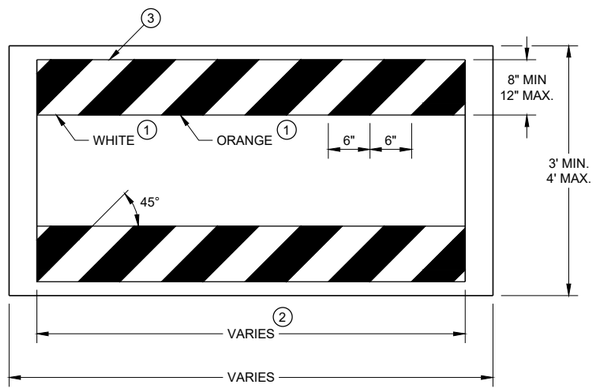
SECTION A - A



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

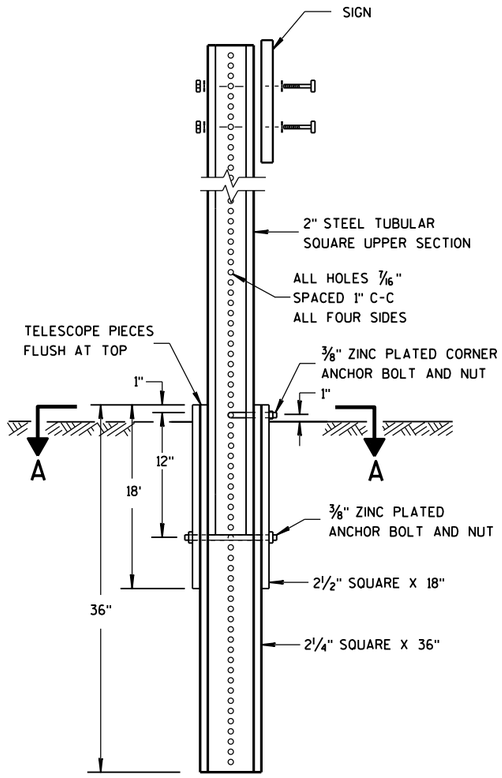
APPROVED
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 390

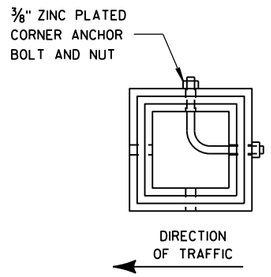
FHWA

6

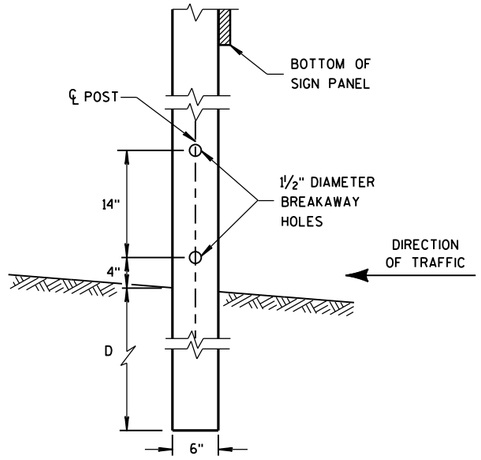
SDD 15D30 - 06c



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



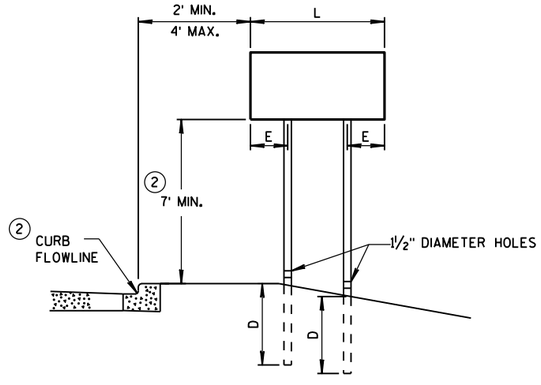
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

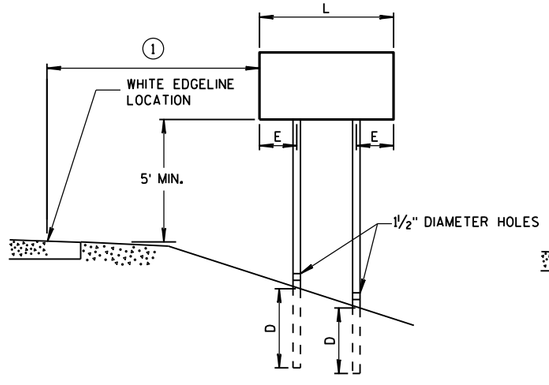
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

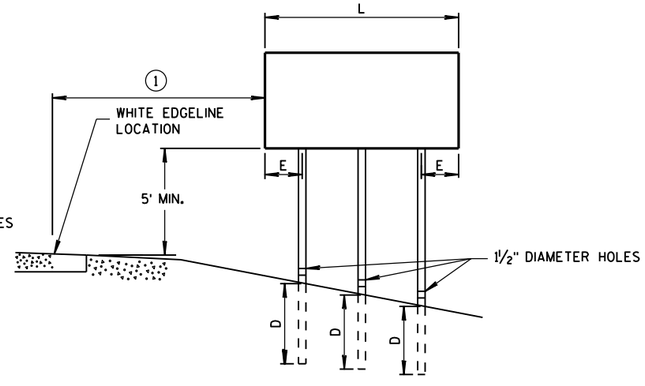
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK 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

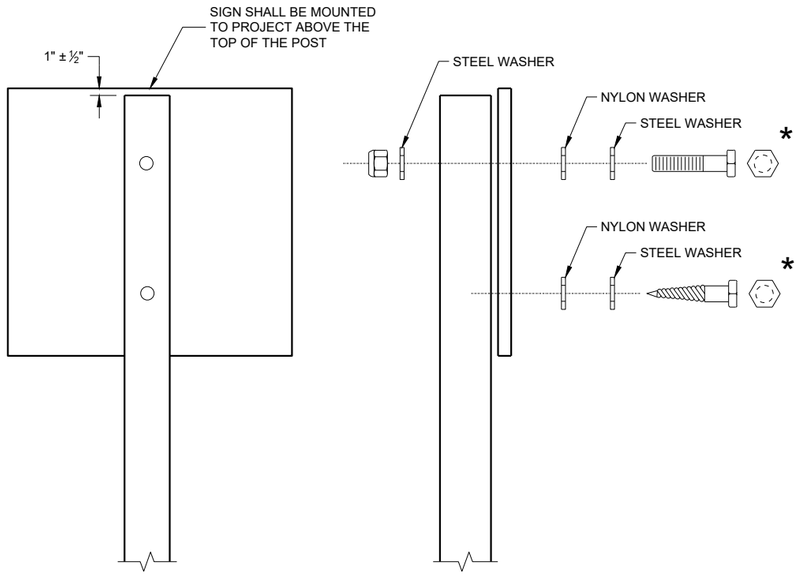
POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6
S.D.D. 15 D 38-2a



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.

6

6

SDD 15D38 - 02b

SDD15D38 - 02b

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

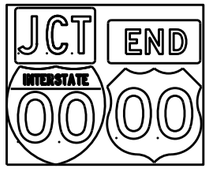
APPROVED
June 2017
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

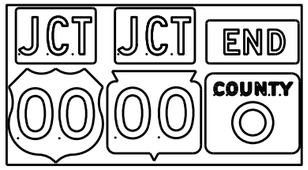
TYPICAL ASSEMBLIES



J1-1



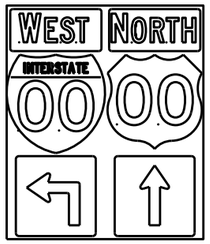
J1-2



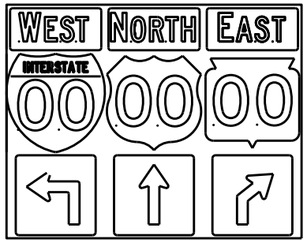
J1-3



J2-1



J2-2

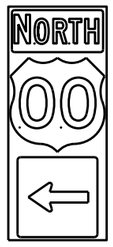


J2-3

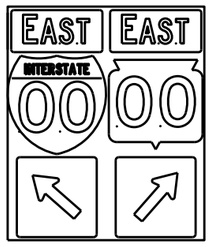


JV

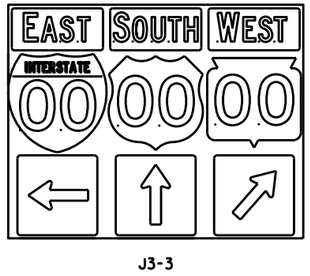
(Typical Vertical J-Assembly
See Note 10 and 11)



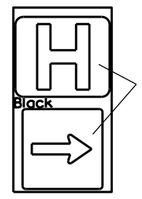
J3-1



J3-2



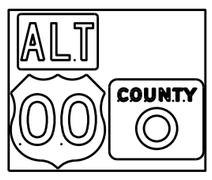
J3-3



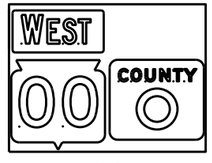
JH-1



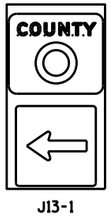
J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1

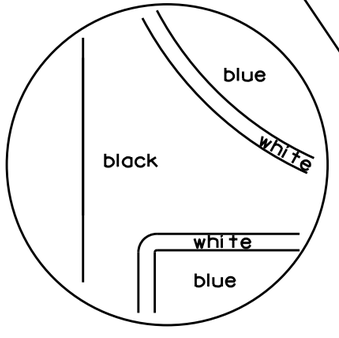


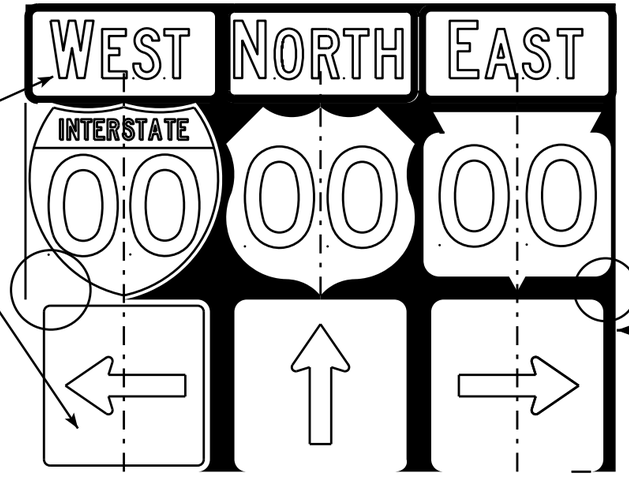
J23-1

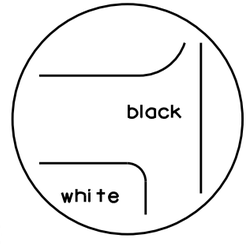


J22-1

[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

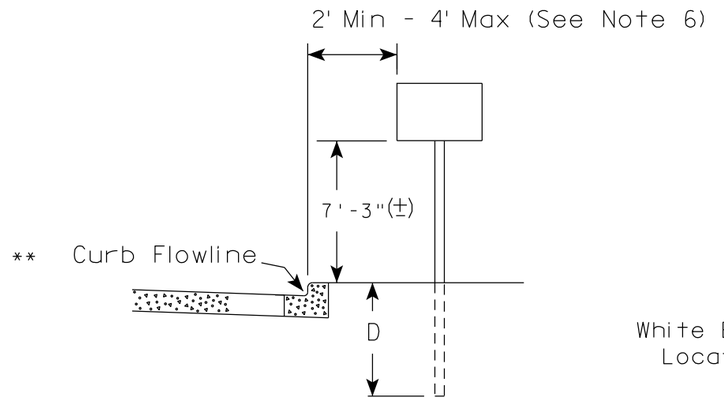
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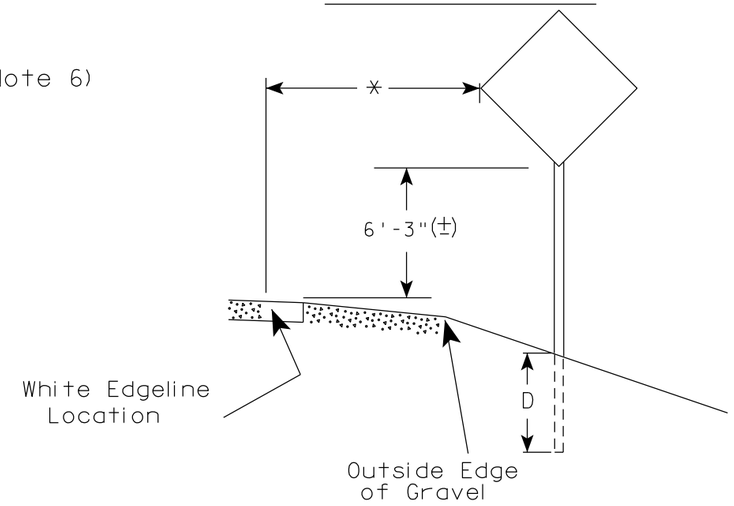
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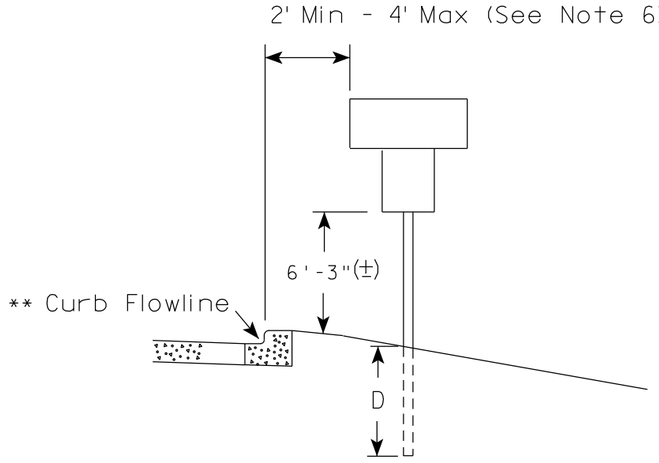
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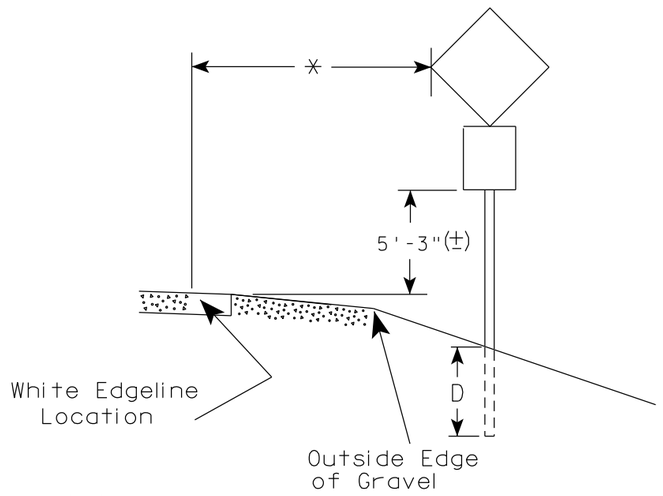
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.

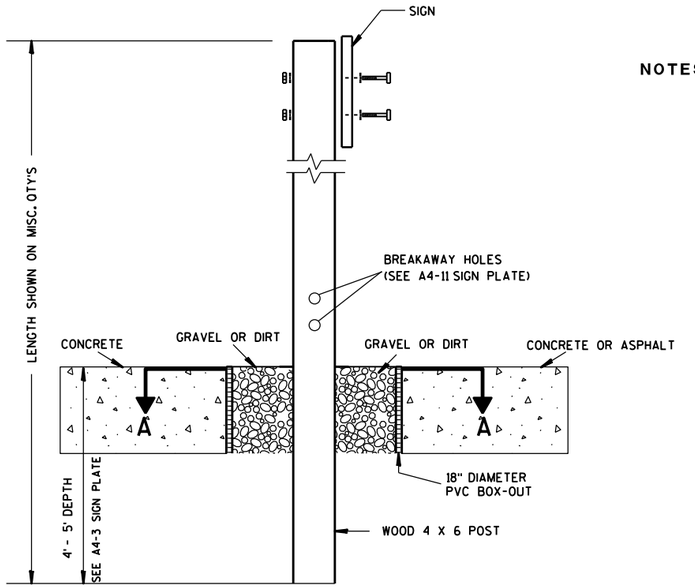
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

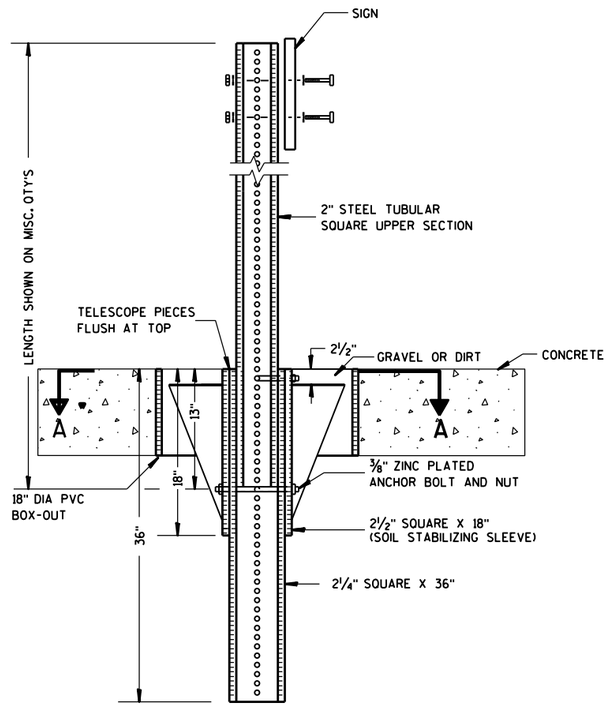
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 394	E



ELEVATION VIEW

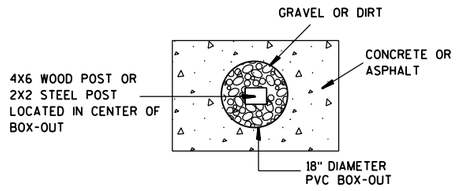
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

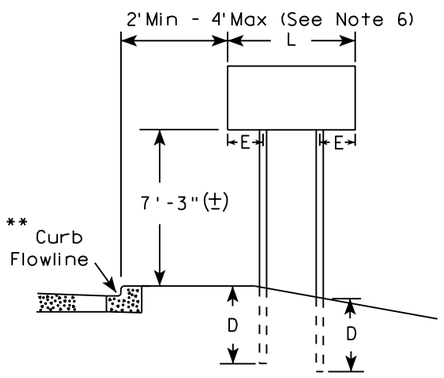
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

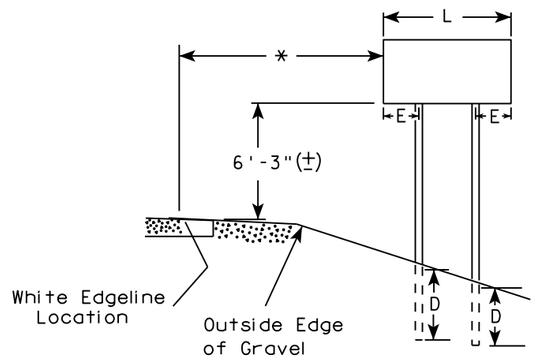
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

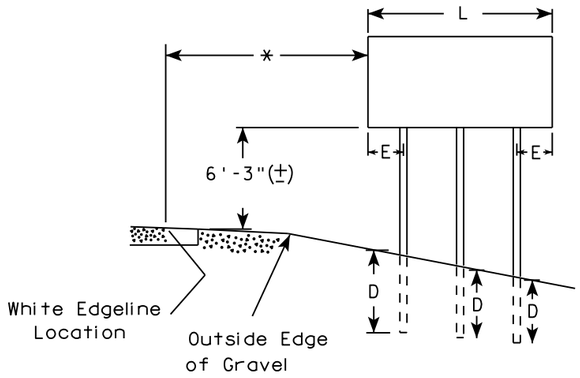
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

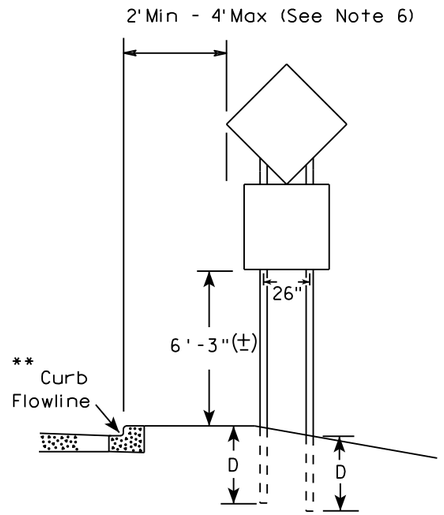
URBAN AREA



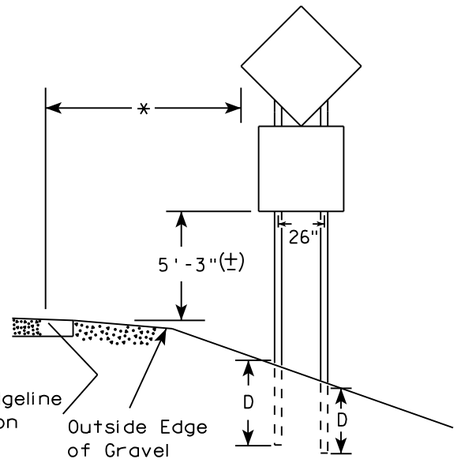
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

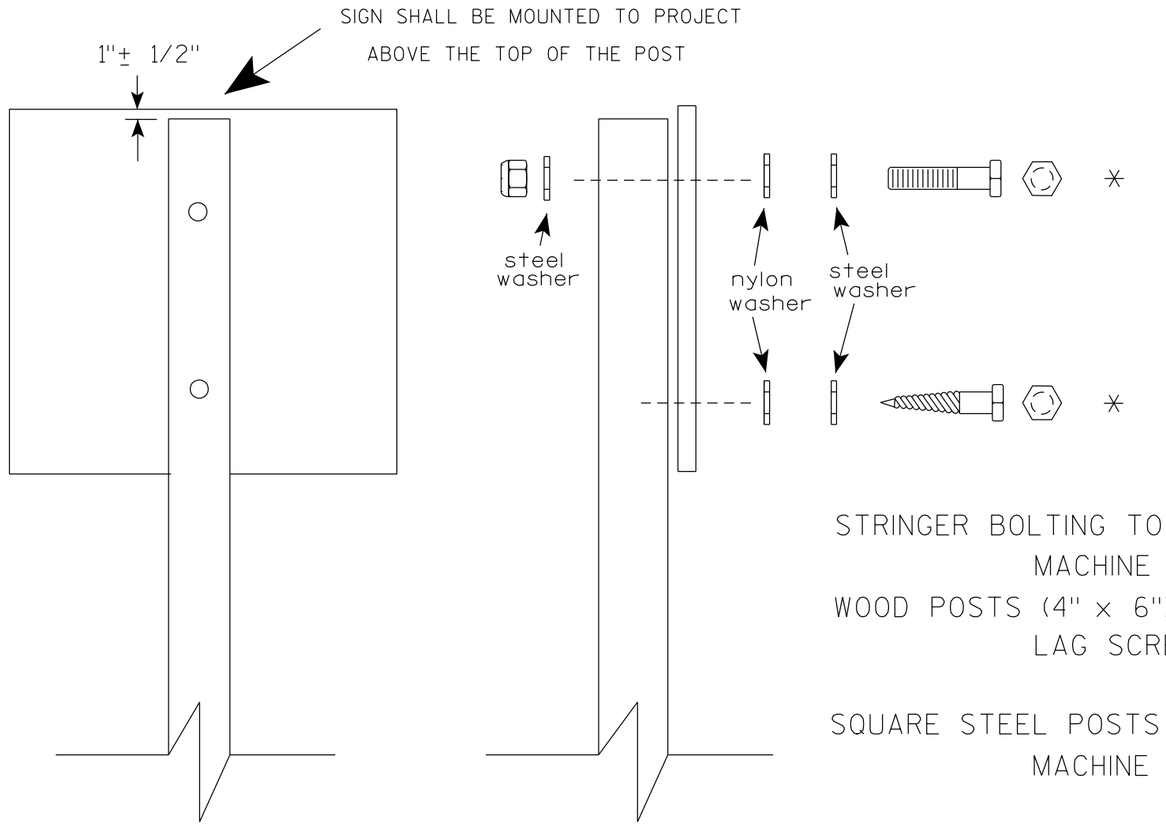
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 396	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

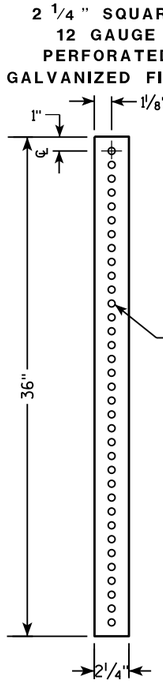
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

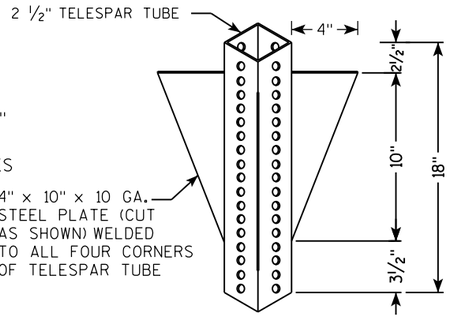
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

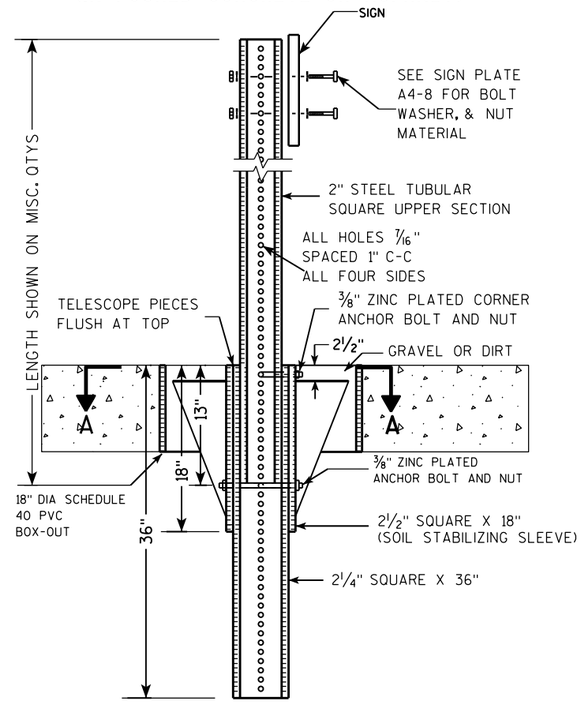
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



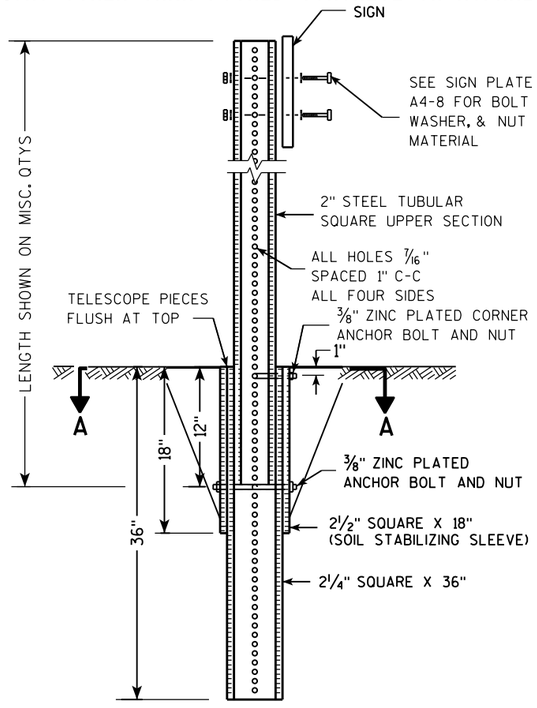
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

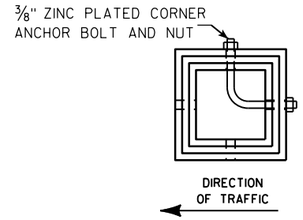


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

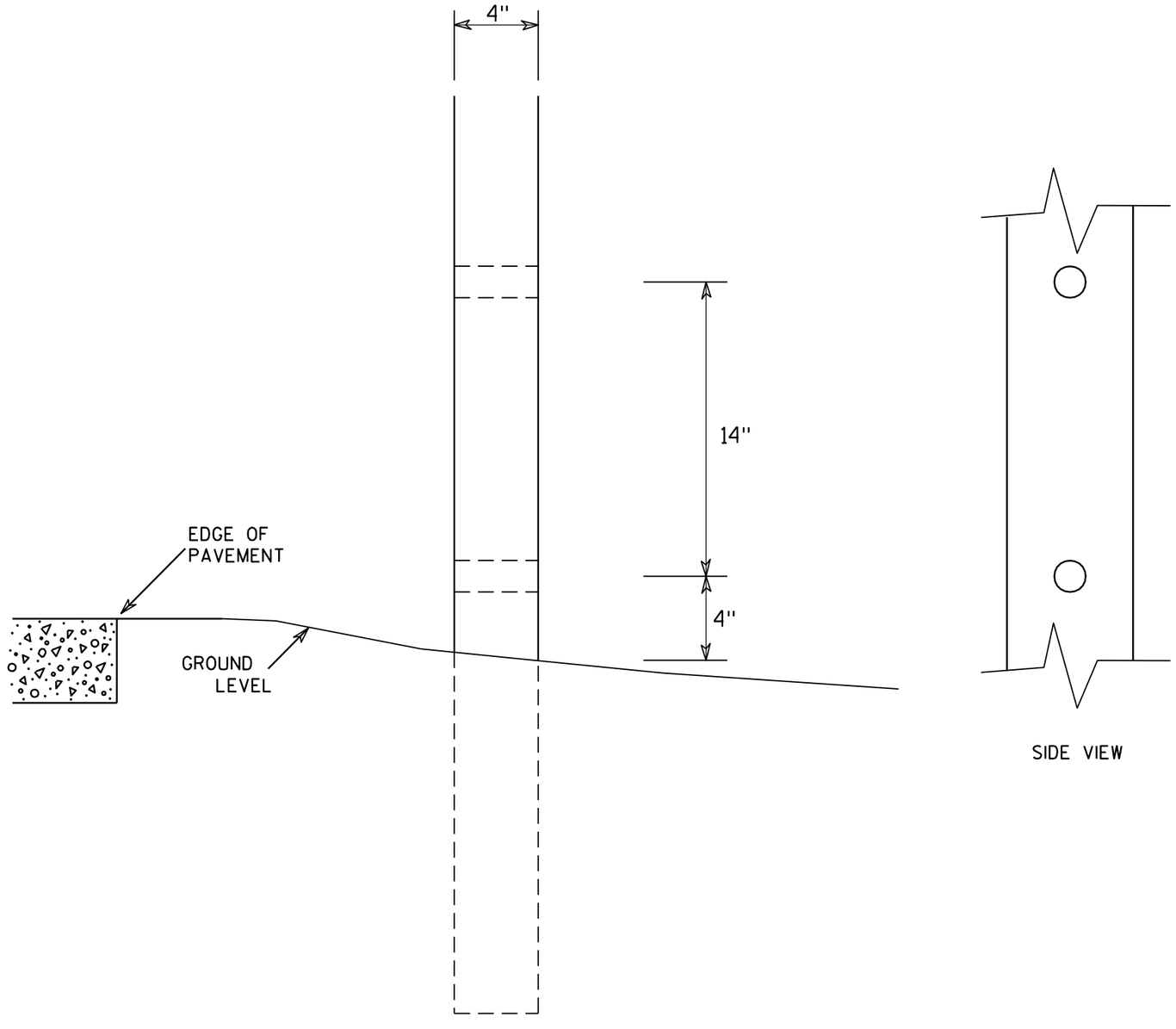
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 398 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

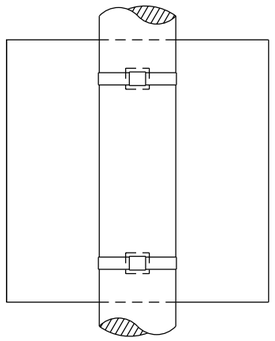
APPROVED Chester J Spang for State Traffic Engineer

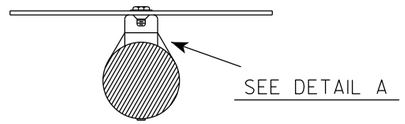
DATE 3/27/97 PLATE NO. A4-11.2

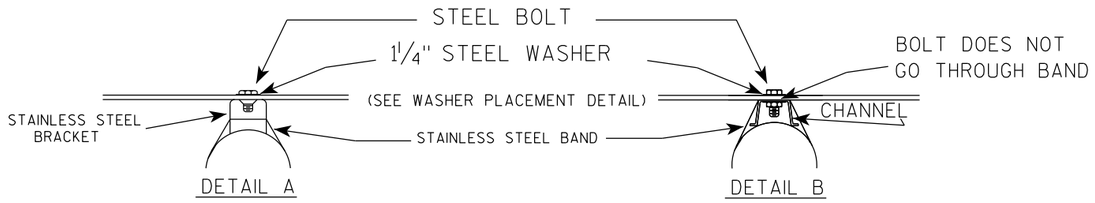
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 399	E

BANDING

SINGLE SIGN



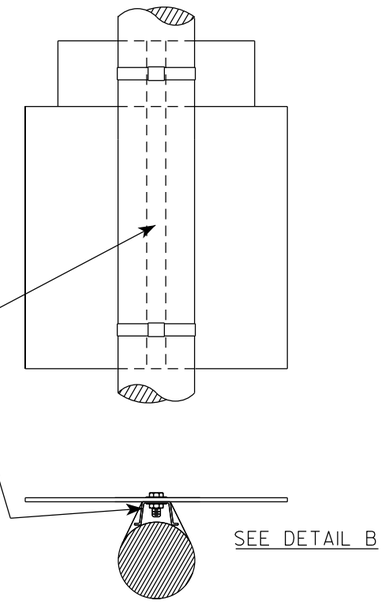




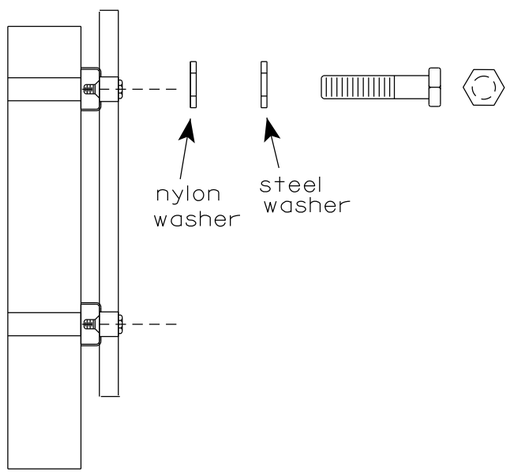
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

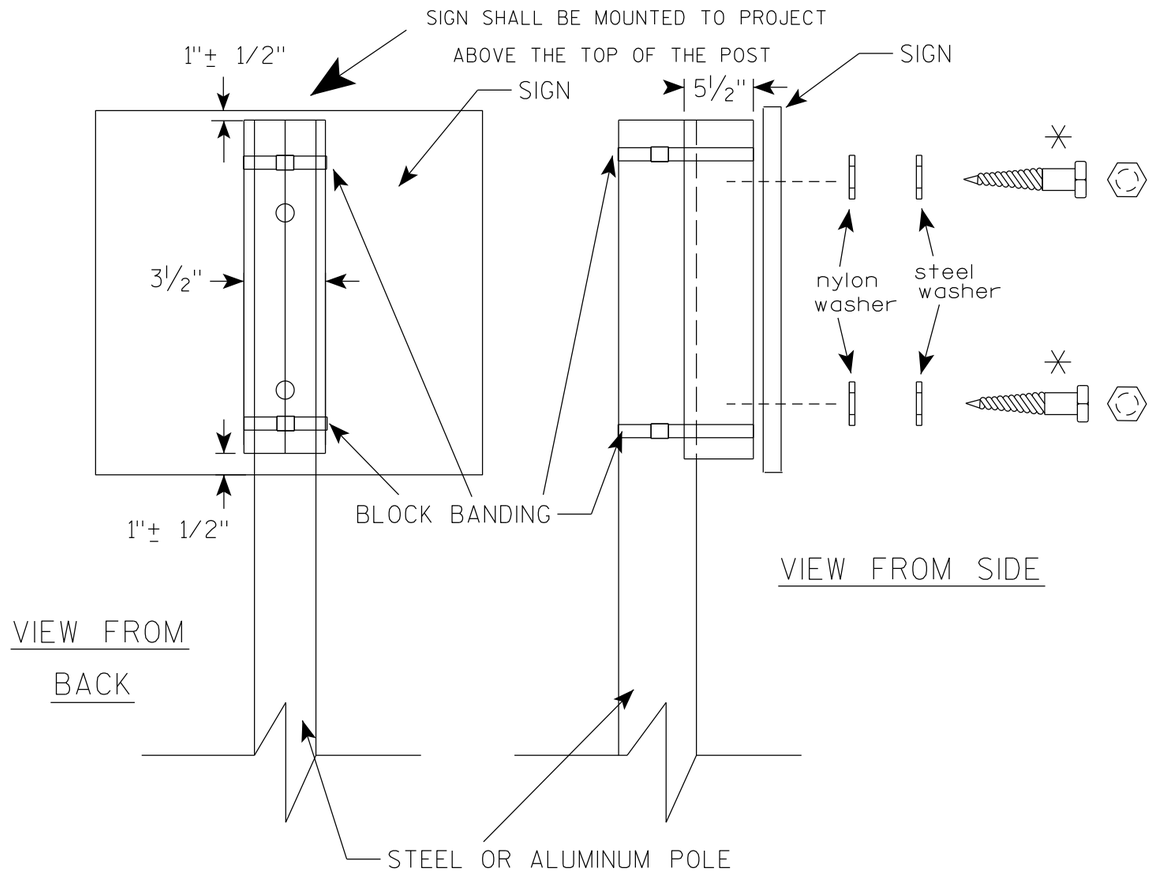
STANDARD SIGN
SIGN BANDING DETAILS

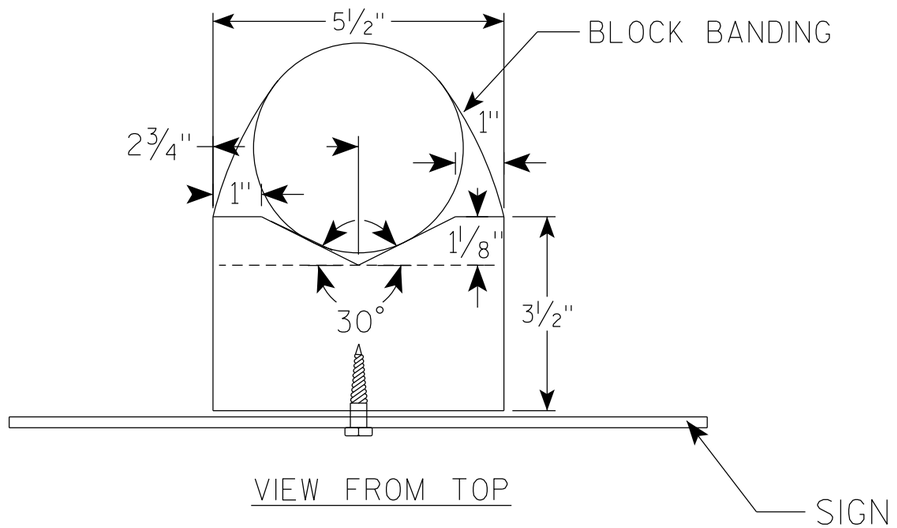
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-9.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 400	E





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"

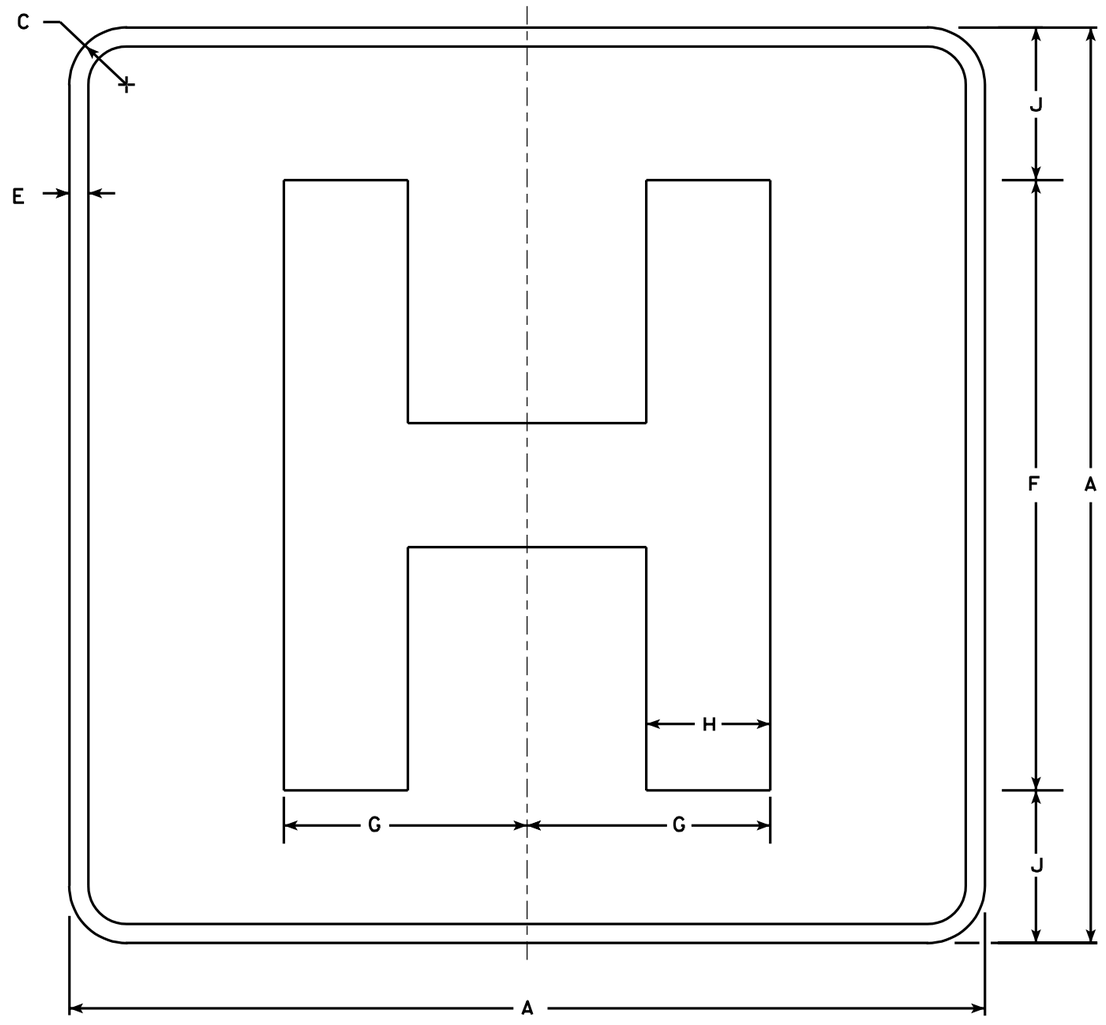
BLOCK BANDING DETAIL (V-BLOCK OPTION)

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: 401 | E



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

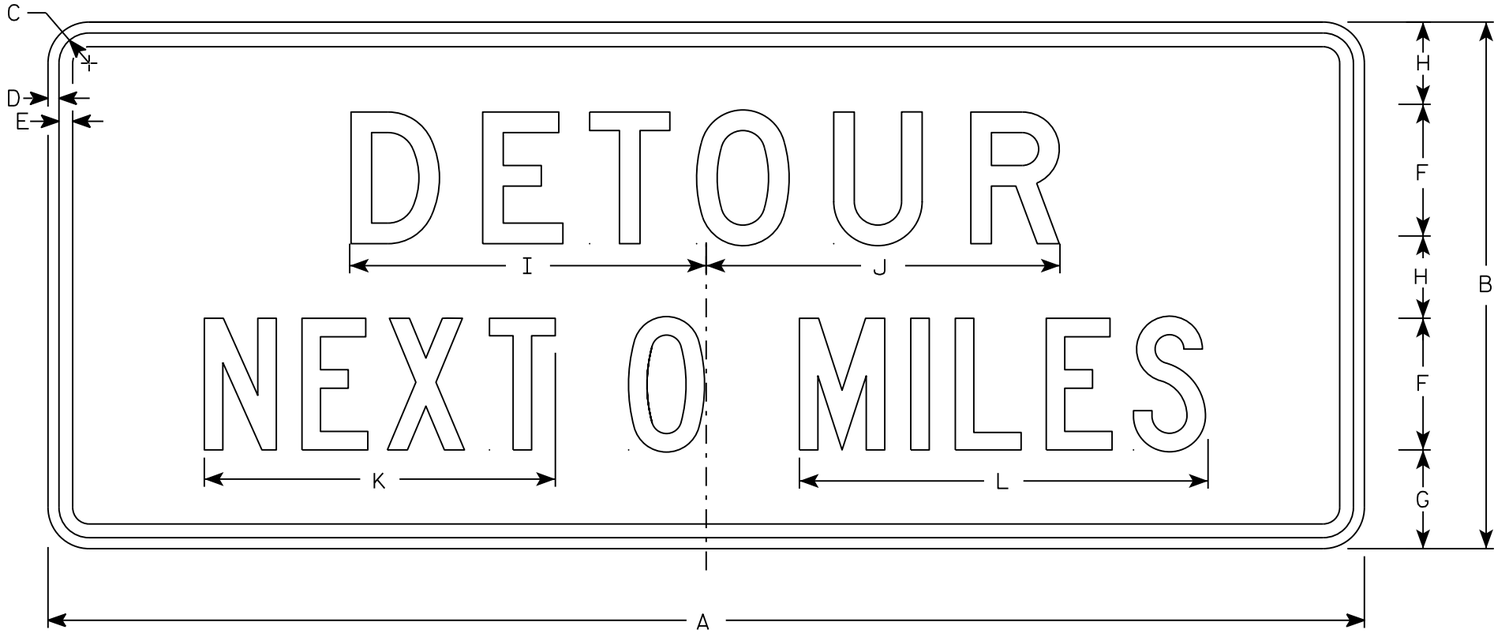
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spong
for State Traffic Engineer

DATE 1/15/02 PLATE NO. D9-2.4

PROJECT NO:

SHEET NO: 402 E



G20-51

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - Line 1 is D and Line 2 is 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. Round distance to nearest whole Mile and 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																											
2	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10
3																											
4	60	24	1 3/8	1/2	5/8	6	4 1/2	3 3/4	16 1/4	16 1/8	16	18 5/8															10
5																											

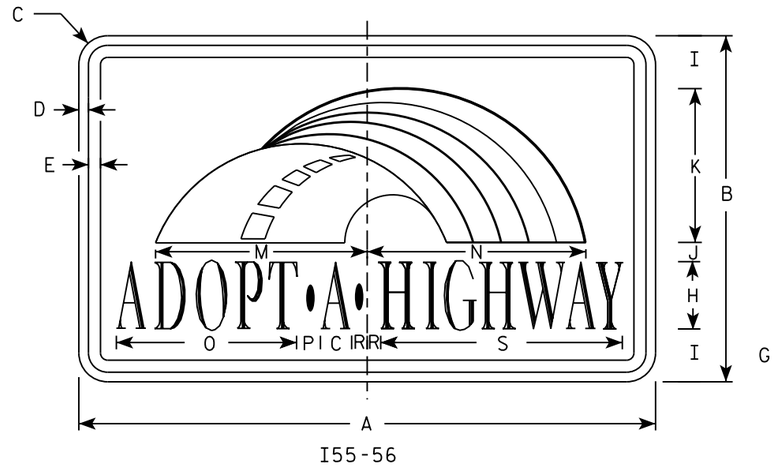
STANDARD SIGN
G20-51

WISCONSIN DEPT OF TRANSPORTATION

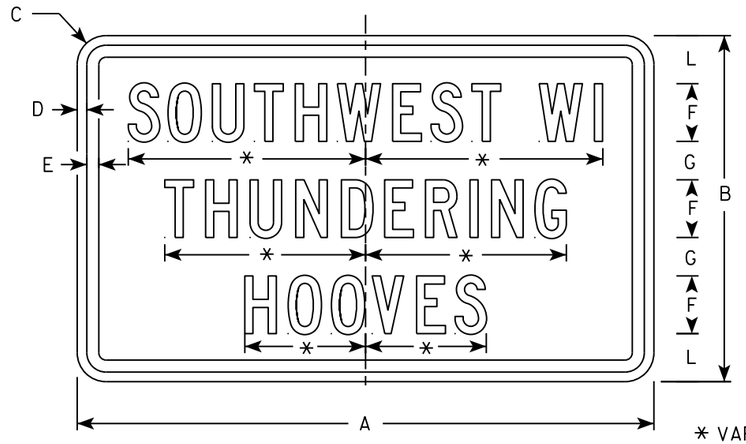
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/14/17 PLATE NO. G20-51.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 403	E



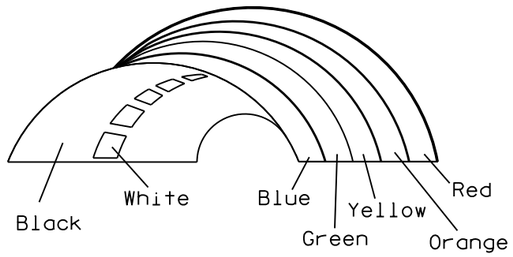
I55-56



I55-56P

* VARIES

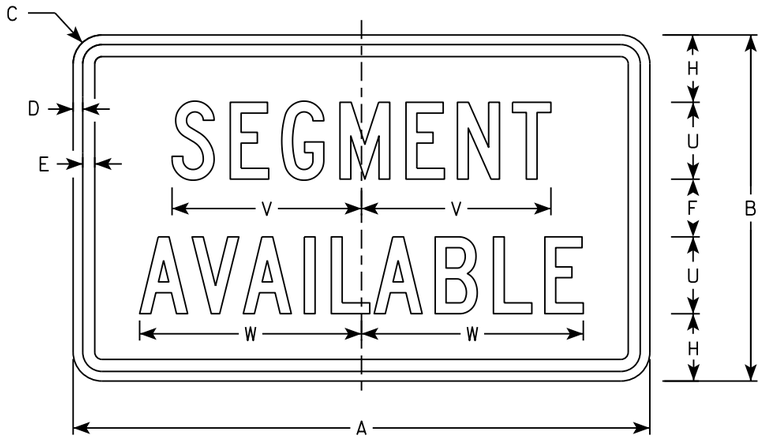
Background Colors of Symbol*



*1/4" Black Border between each color of rainbow and border of rainbow

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - (See Note 4)
3. Message Series - (See Note 5)
4. Border - Blue
   Adopt a Highway - Red
   All other Text - Blue
5. Adopt a Highway - Dutch 8011L
   All other Text - Series C
6. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.



I55-56S

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	18	1 1/2	1/2	5/8	3	2	3 1/2	2 3/4	1	8	2 1/2	11 1/4	11 1/8	9 3/8	1 1/4		3/4	12 5/8	7 1/2	4	9 7/8	11 1/2				3.75
3																											
4																											
5																											

STANDARD SIGN
I55-56

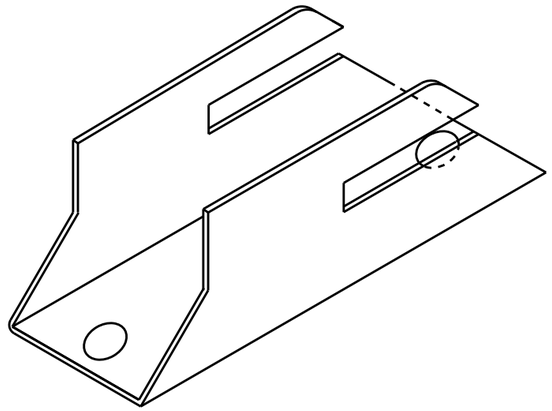
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

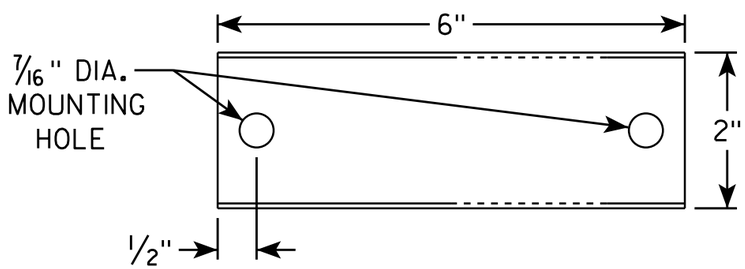
DATE 2/20/18 PLATE NO. I55-56.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 404 | E

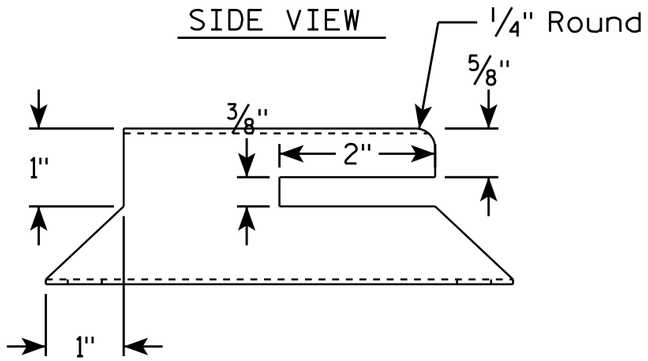
ISOMETRIC VIEW



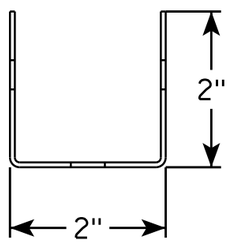
TOP VIEW



SIDE VIEW



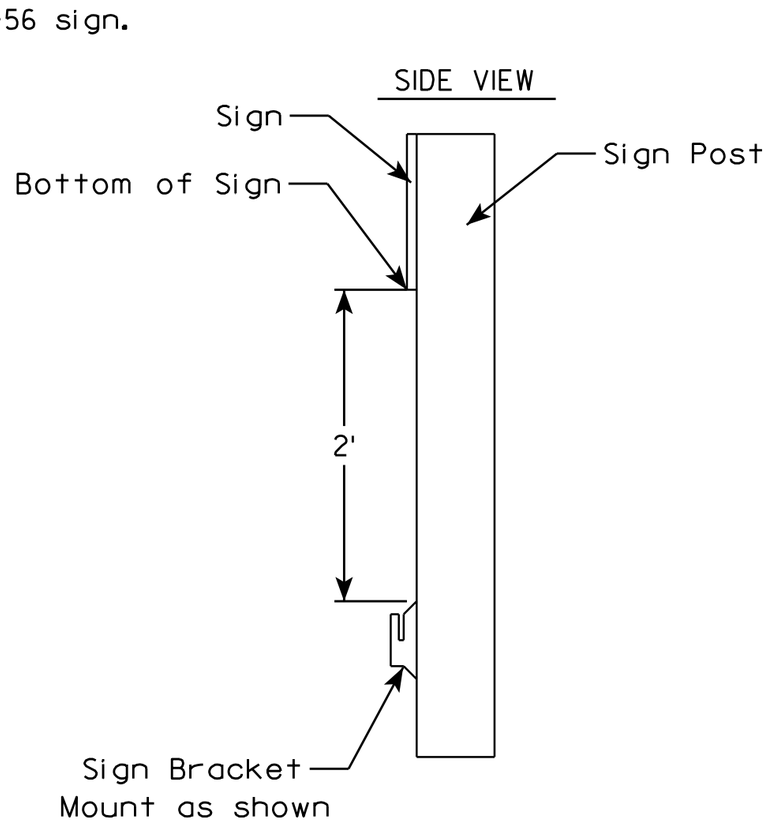
END VIEW



NOTES

1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
4. Shall have rounded edges with at least 1/8" radii.
5. Shall not have unrounded and uncoated metal edges which can contact the back surface of the roll-up sign.
6. Top of bracket shall be mounted 2' below the bottom of the I55-56 sign.
7. Cost of bracket and fastening hardware shall be incidental to the I55-56 sign.

SIDE VIEW



7

7

ROLLUP SIGN BRACKET
I55-56B

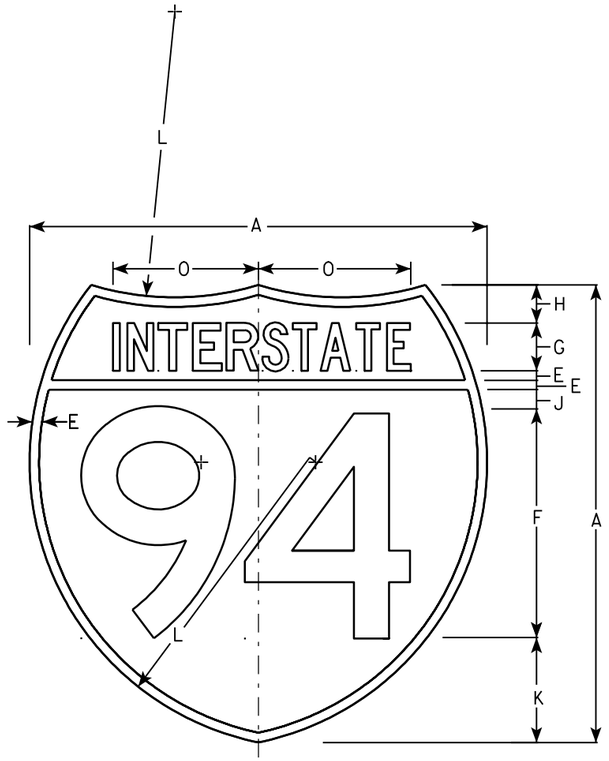
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

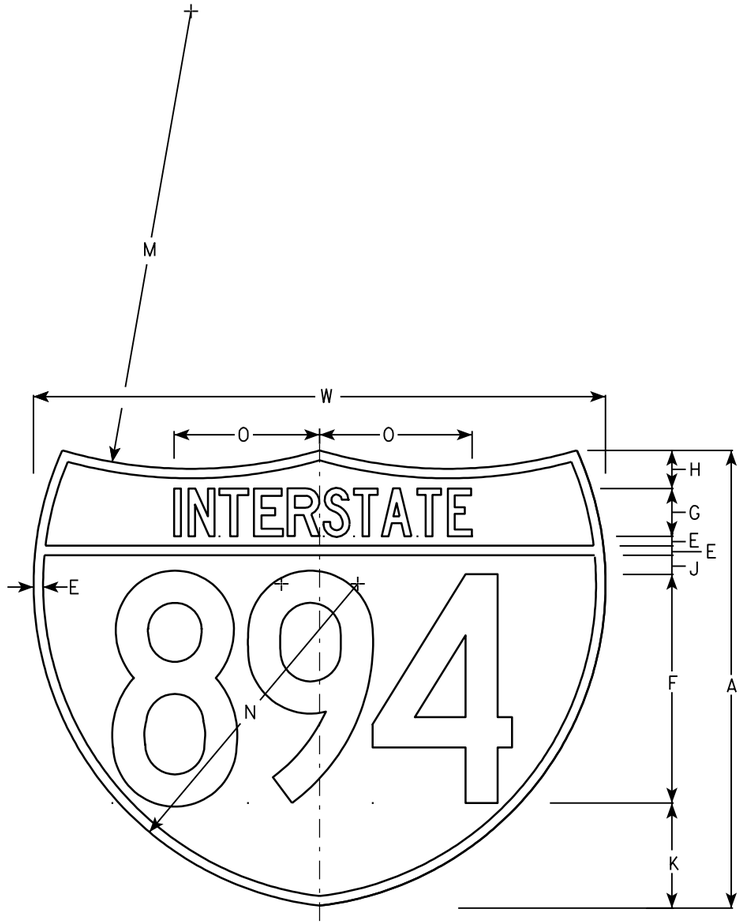
DATE 4/26/16 PLATE I55-56B.2

405

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	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

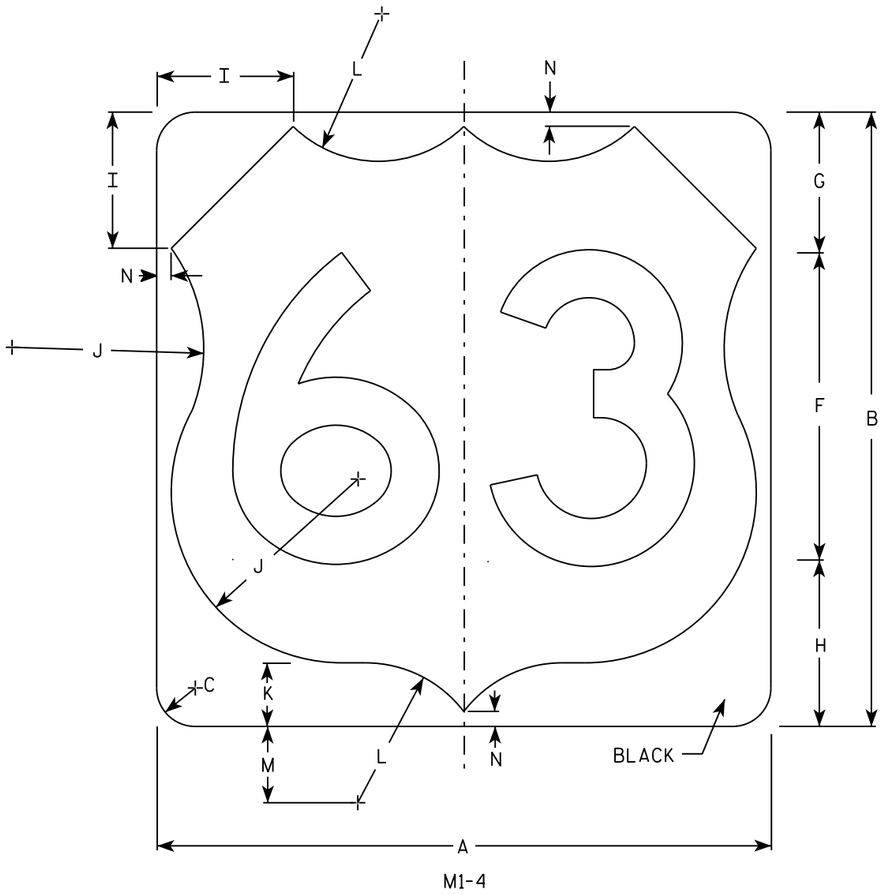
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 08/23/05 PLATE NO. M1-1.8

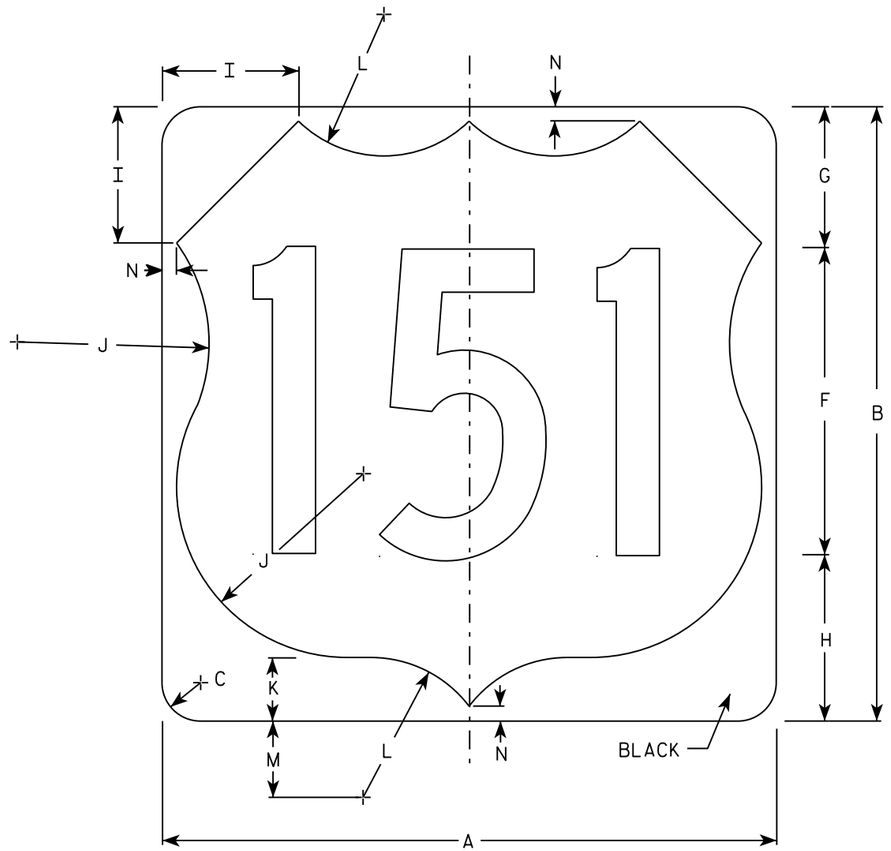
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 406	E

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

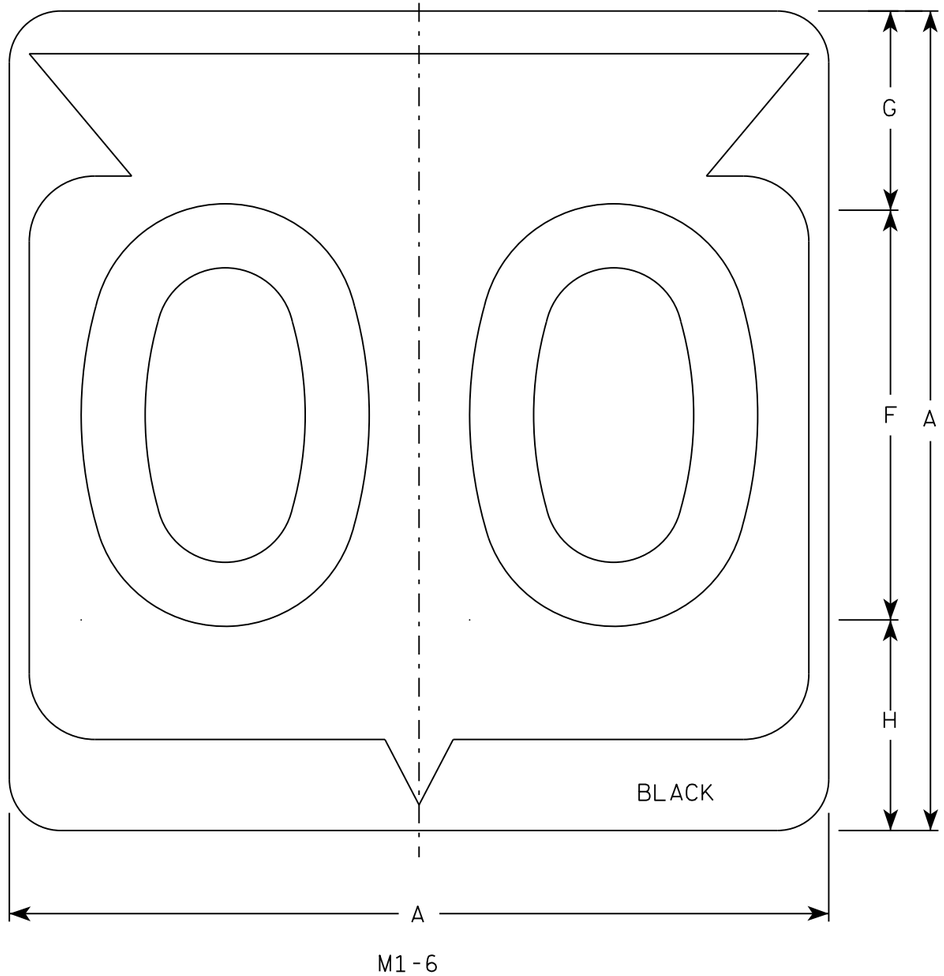
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-4.10

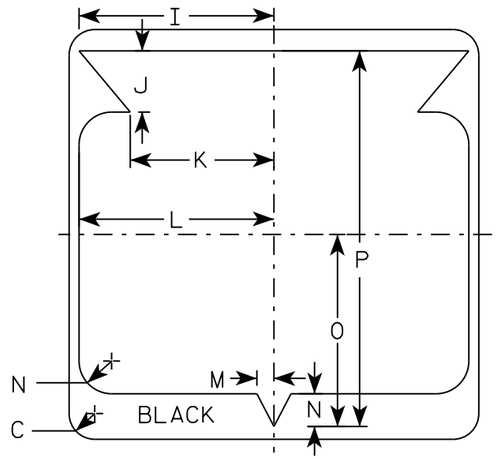
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 407	E



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

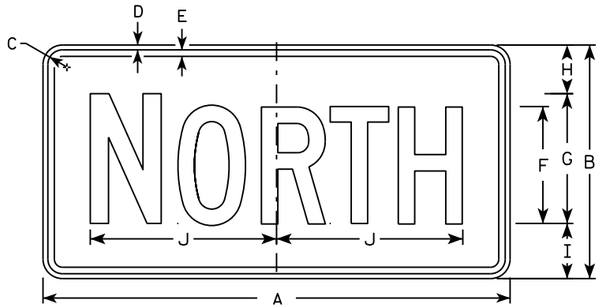
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

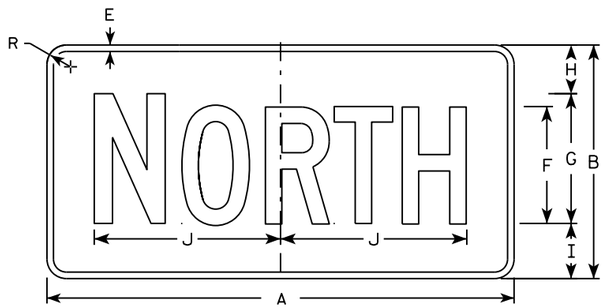
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 408	E



M3-1
MM3-1
MP3-1



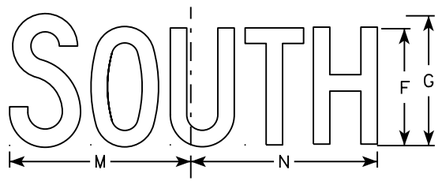
MB3-1
MK3-1
MN3-1



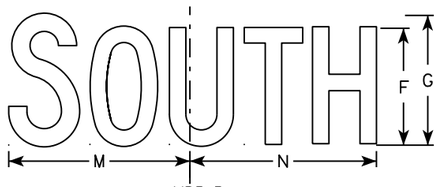
M3-2
MM3-2
MP3-2



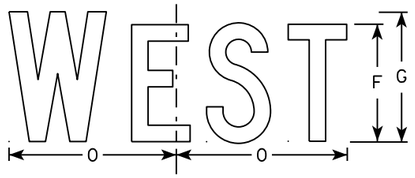
MB3-2
MK3-2
MN3-2



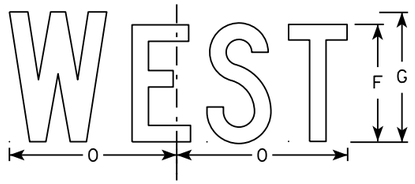
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

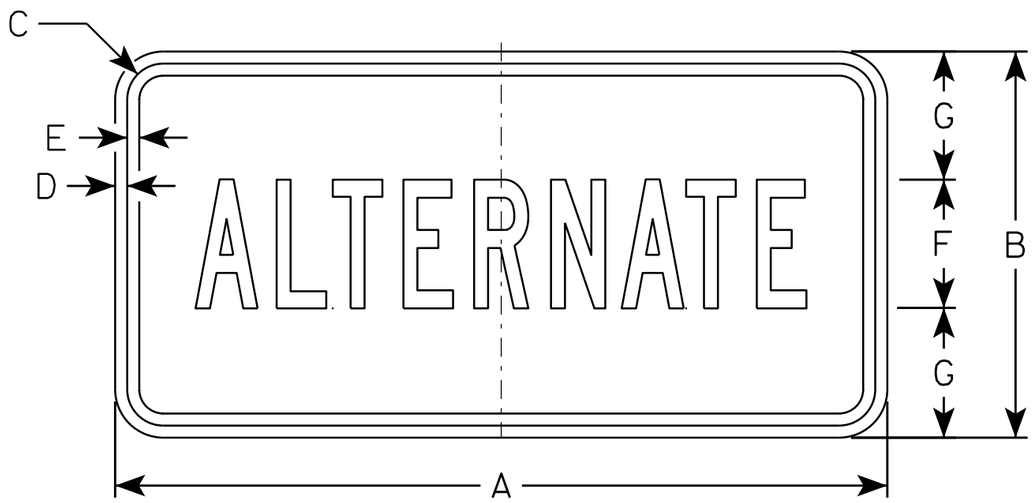
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

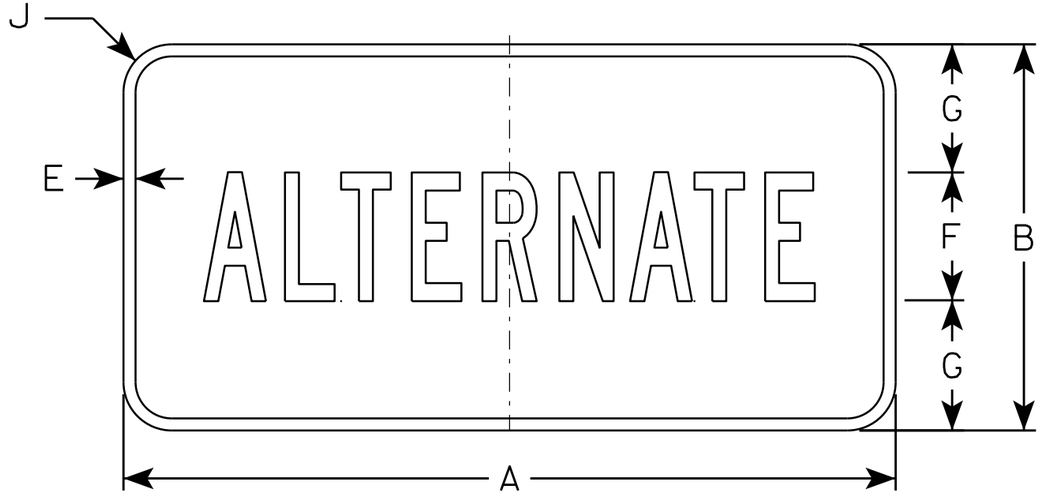
DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-1
M04-1



MB4-1

NOTES

1. Sign is Type II - Type H except as Shown
2. Color:
   Background - See Note 5
   Message - See note 5
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-1 Background - White
   Message - Black

   MB4-1 Background - Blue
   Message - White

   M04-1 Background - Orange - Type F
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	4	4	9 3/4	9 1/2	1 1/2																	2.00
3	36	18	1 1/8	3/8	1/2	7	5 1/2	16 3/8	16 1/2	1 1/2																	4.5
4	36	18	1 1/8	3/8	1/2	7	5 1/2	16 3/8	16 1/2	1 1/2																	4.5
5	36	18	1 1/8	3/8	1/2	7	5 1/2	16 3/8	16 1/2	1 1/2																	4.5

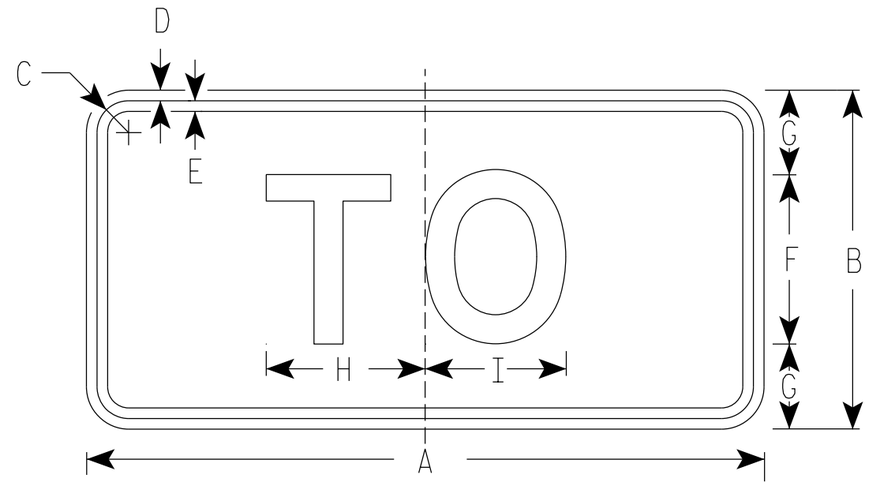
STANDARD SIGN
M4-1

WISCONSIN DEPT OF TRANSPORTATION

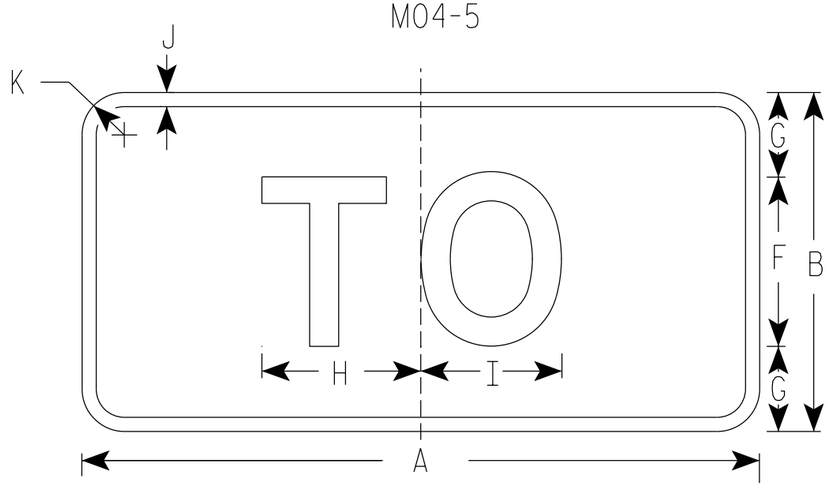
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/14 PLATE 410 14-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



M4-5
MM4-5
MP4-5
M04-5



MB4-5
MK4-5
MN4-5

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
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. M4-5 Background - White
   Message - Black

   MB4-5 Background - Blue
   Message - White

   MK4-5 Background - Green
   Message - White

   MM4-5 Background - White
   Message - Green

   MN4-5 Background - Brown
   Message - White

   MP4-5 Background - White
   Message - Blue

   M04-5 Background - Orange Type F Reflective
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	5 3/8	5 1/4	1/2	1 1/2																2.00
3	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
4	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
5	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5

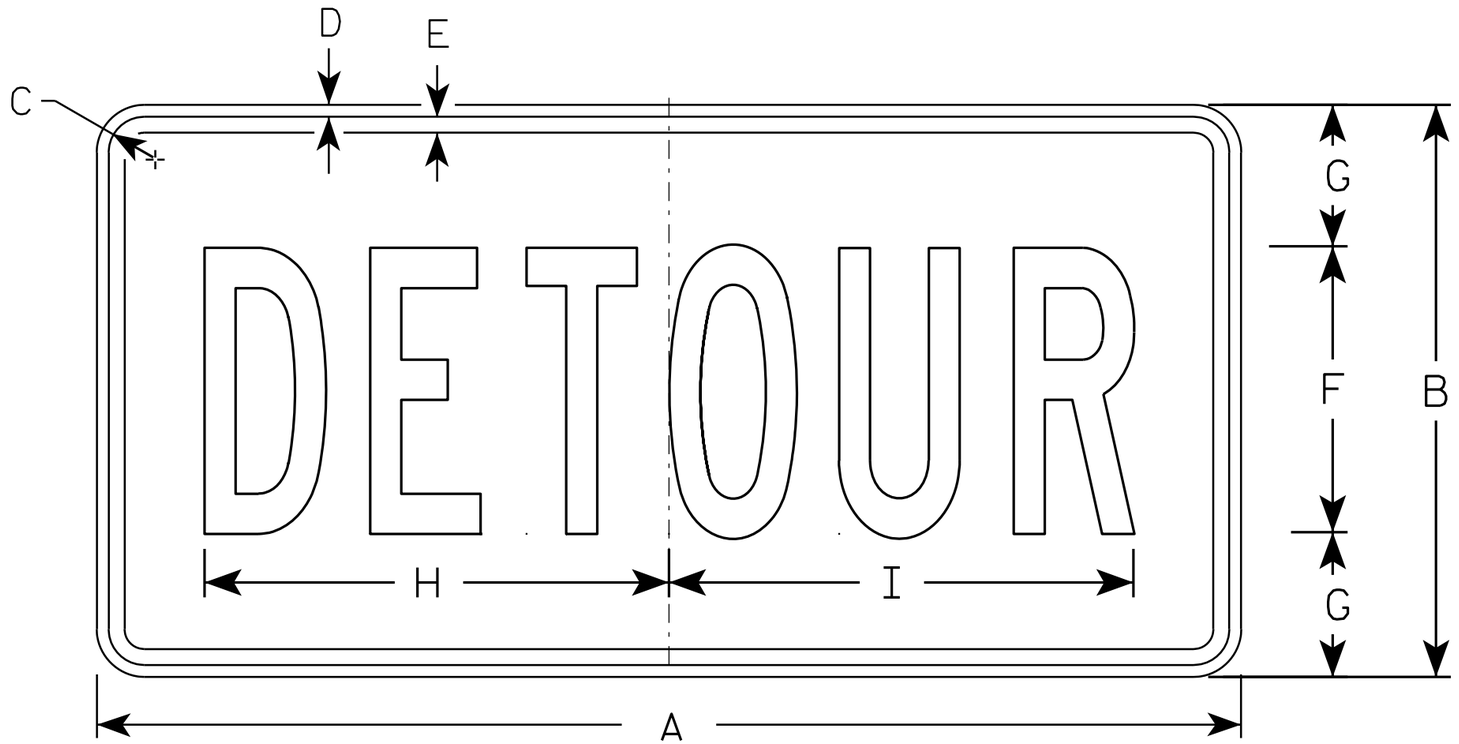
STANDARD SIGN
M4-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/7/19 PLATE NO. M4-5.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 411 | 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

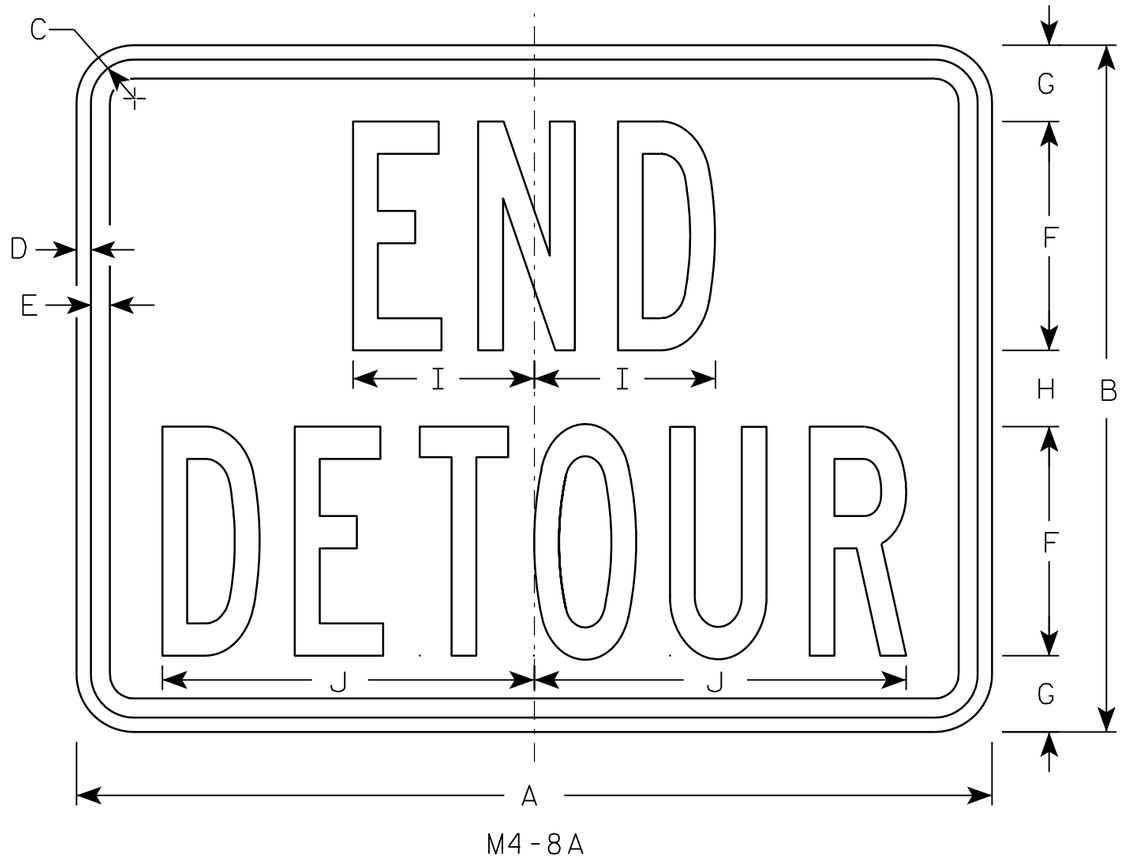
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 412	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M48.DGN PLOT DATE : 10-NOV-2010 13:18 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 4.767233:1.000000

WISDOT/CADDS SHEET 42

7

7



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

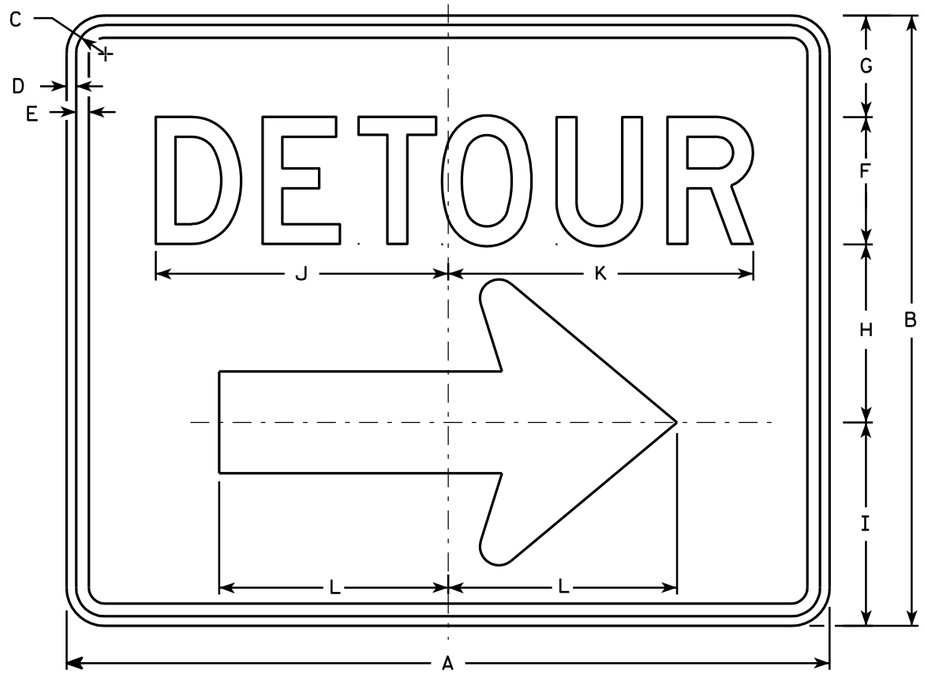
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

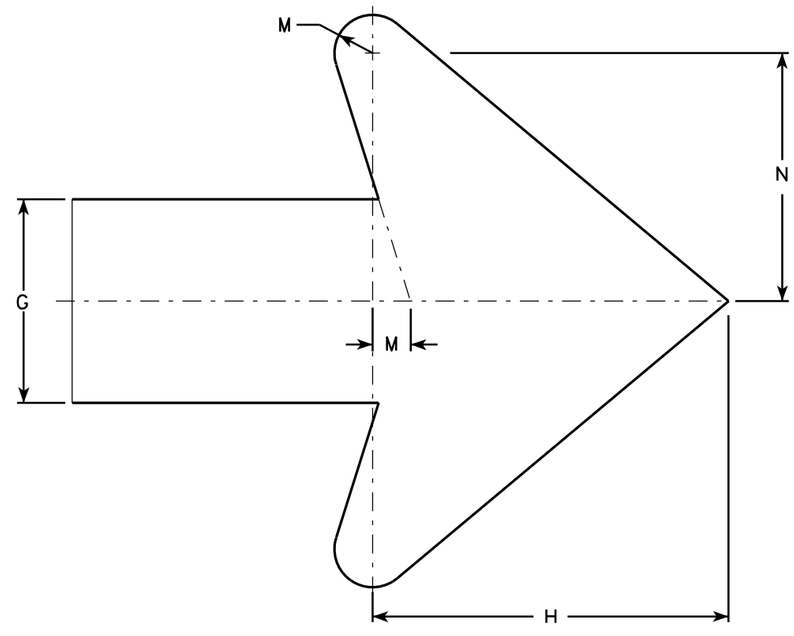
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 413	E



M4-9R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

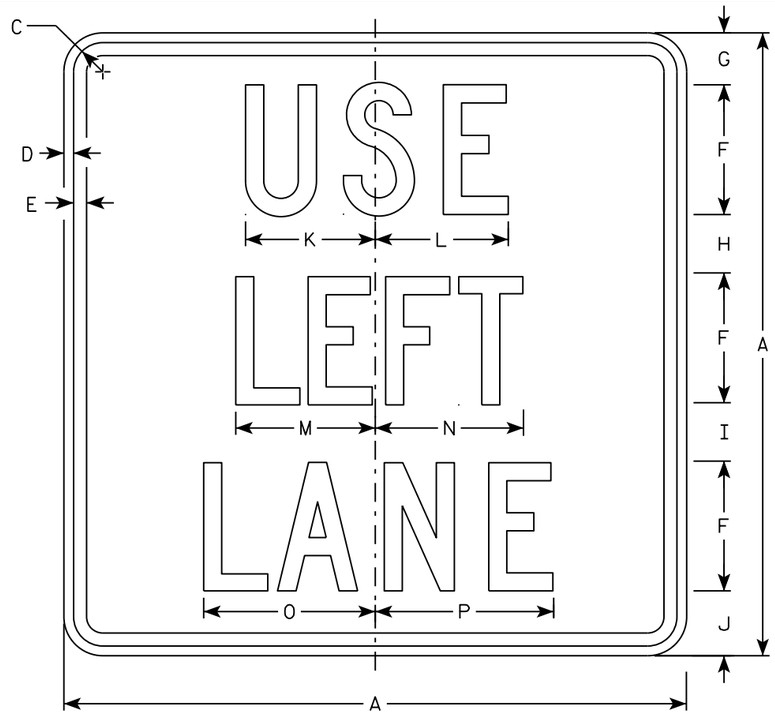
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

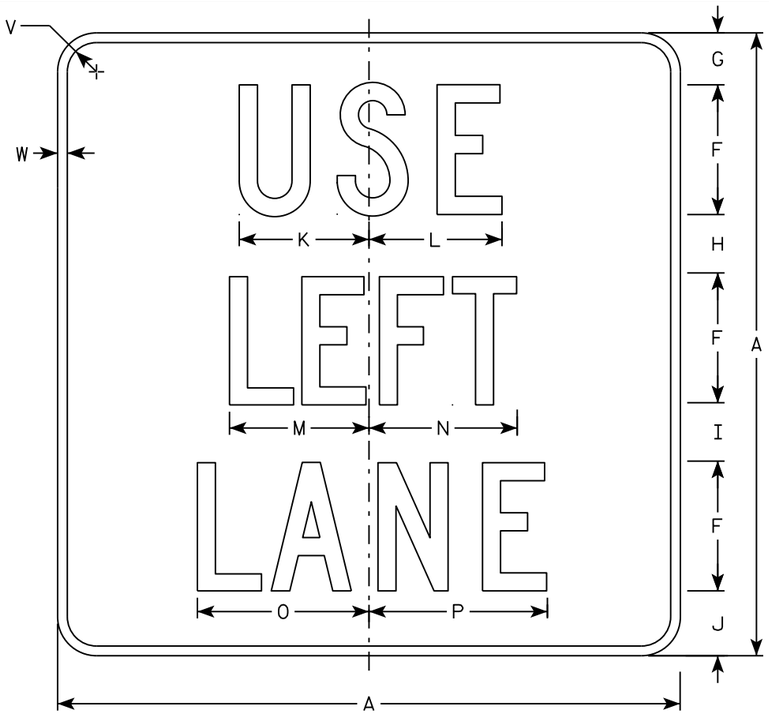
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 414 | E



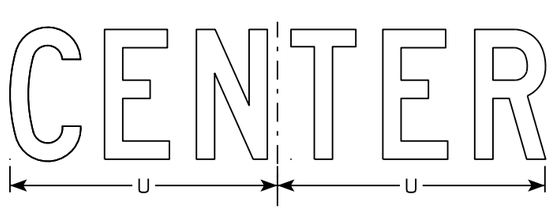
M4-20L



MB4-20L

M4-20L
MM4-20L
M04-20L
MP4-20L

MB4-20L
MK4-20L
MN4-20L
MR4-20L



M4-20C
MB4-20C
MK4-20C
MM4-20C
MN4-20C
M04-20C
MP4-20C
MR4-20C



M4-20R
MB4-20R
MK4-20R
MM4-20R
MN4-20R
M04-20R
MP4-20R
MR4-20R

NOTES

1. Sign is Type II - Type H except as Shown
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. M4-20 Background - White
   Message - Black
   MB4-20 Background - Blue
   Message - White
   MK4-20 Background - Green
   Message - White
   MM4-20 Background - White
   Message - Green
   MN4-20 Background - Brown
   Message - White
   M04-20 Background - Orange - Type F Reflective
   Message - Black
   MP4-20 Background - White
   Message - Blue
   MR4-20 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/8	3/8	1/2	5	2	2 1/4	2 1/4	2 1/2	5	5 1/8	5 3/8	5 3/4	6 5/8	6 7/8			7	7 5/8	10 1/4	1 1/2	1/2				4.0
3	36		1 5/8	5/8	3/4	7	4	3	3 1/2	4 1/2	7 1/2	7 3/4	8	8 5/8	9 7/8	10 1/4			10 3/8	11 3/8	14 3/8	1 7/8	1/2				9.0
4																											
5																											

STANDARD SIGN
M4-20

WISCONSIN DEPT OF TRANSPORTATION

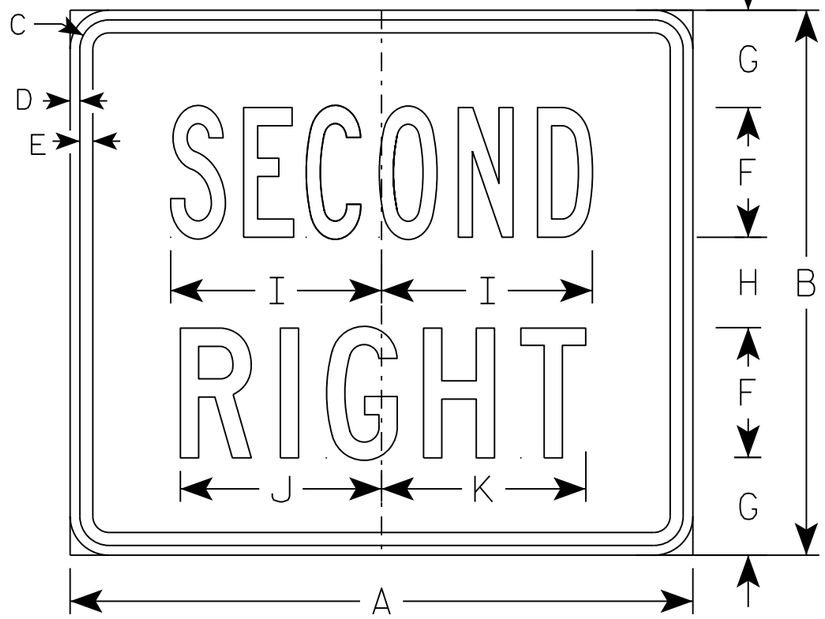
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 10/15/15 PLATE NO M4-20.5

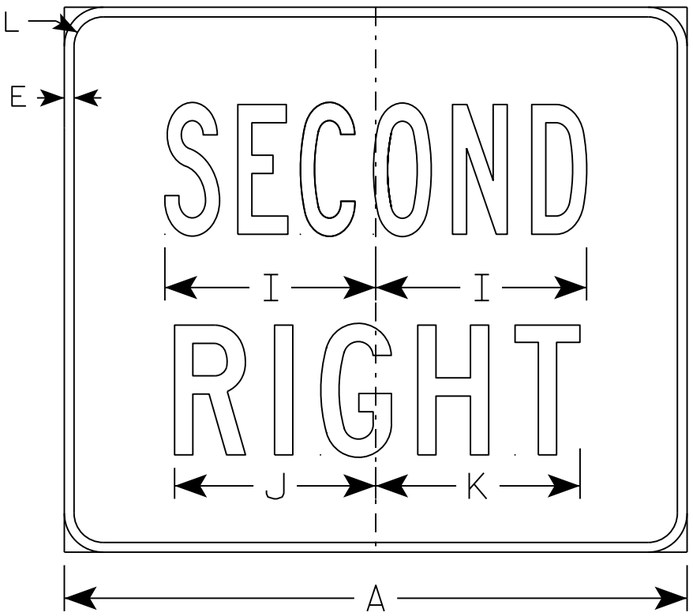
415

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

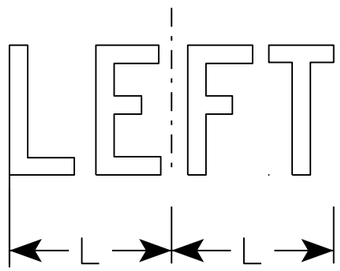
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M420.DGN PLOT DATE : 01-DEC-2015 18:03 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.837526:1.000000



M4-22R
MM4-22R
M04-22R
MP4-22R



MB4-22R
MK4-22R
MN4-22R
MR4-22R



M4-22L
MB4-22L
MK4-22L
MM4-22L
MN4-22L
M04-22L
MP4-22L
MR4-22L

NOTES

1. Sign is Type II - Type H except as Shown
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. M4-22 Background - White
   Message - Black
   MB4-22 Background - Blue
   Message - White
   MK4-22 Background - Green
   Message - White
   MM4-22 Background - White
   Message - Green
   MN4-22 Background - Brown
   Message - White
   M04-22 Background - Orange - Type F Reflective
   Message - Black
   MP4-22 Background - White
   Message - Blue
   MR4-22 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	21	1 1/8	3/8	1/2	5	3 3/4	3 1/2	8 1/8	7 3/4	7 7/8	1 1/2															3.5
3	36	30	1 5/8	5/8	3/4	8	4 3/4	4 1/2	13 1/8	12 5/8	12 1/2	1 7/8															7.5
4																											
5																											

STANDARD SIGN
M4-22

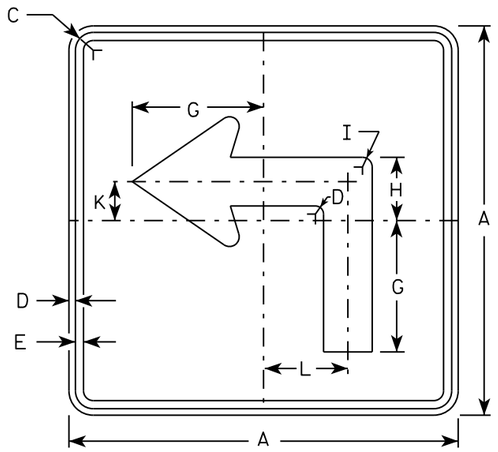
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

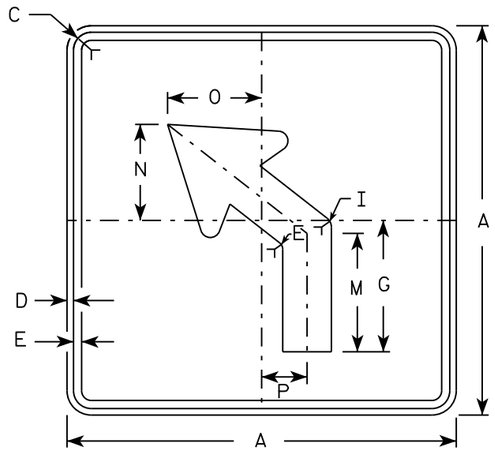
DATE 10/15/15 PLATE NO. M4-22.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

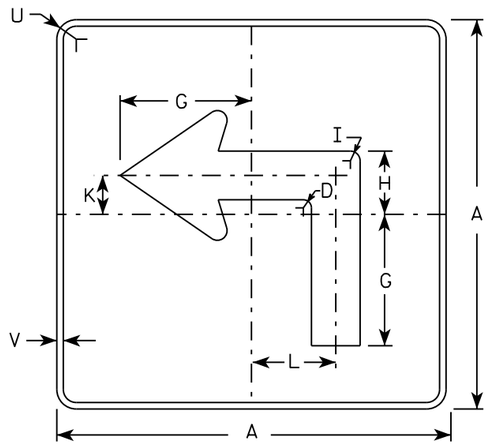
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M422.DGN PLOT DATE : 01-DEC-2015 18:04 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.837526:1.000000



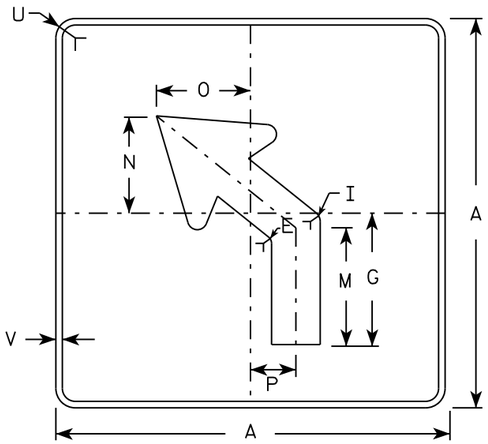
M5-1L
MM5-1L
MO5-1L
MP5-1L



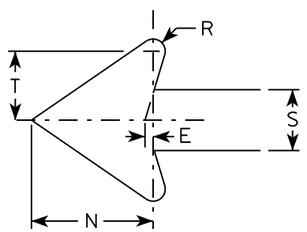
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

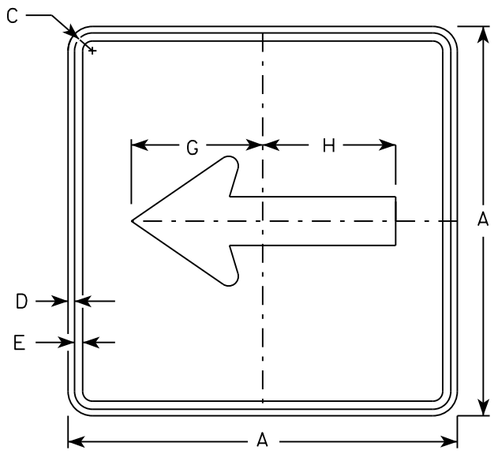
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

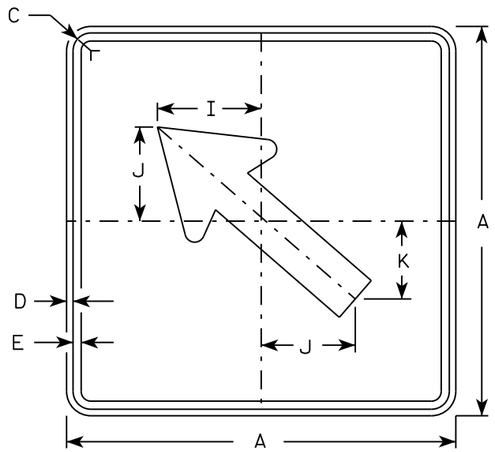
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



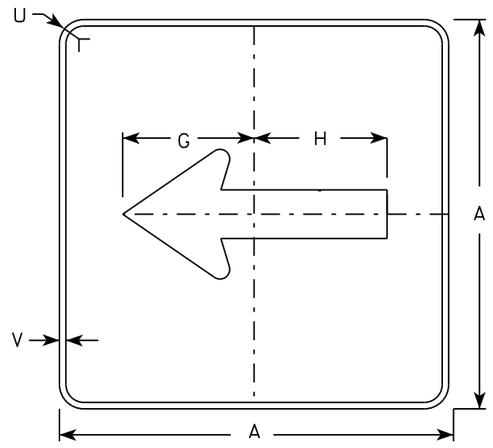
M6-1
MM6-1
MO6-1
MP6-1



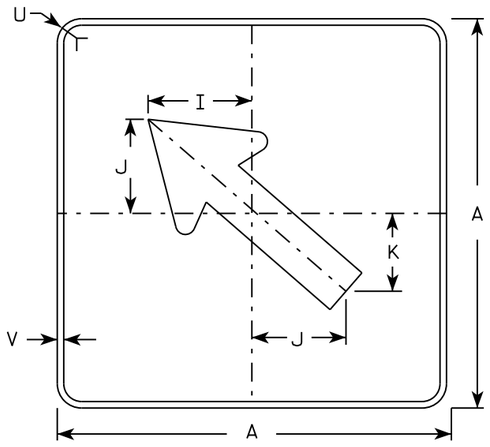
M6-2
MM6-2
MO6-2
MP6-2

NOTES

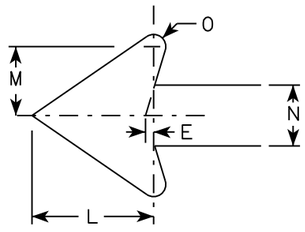
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

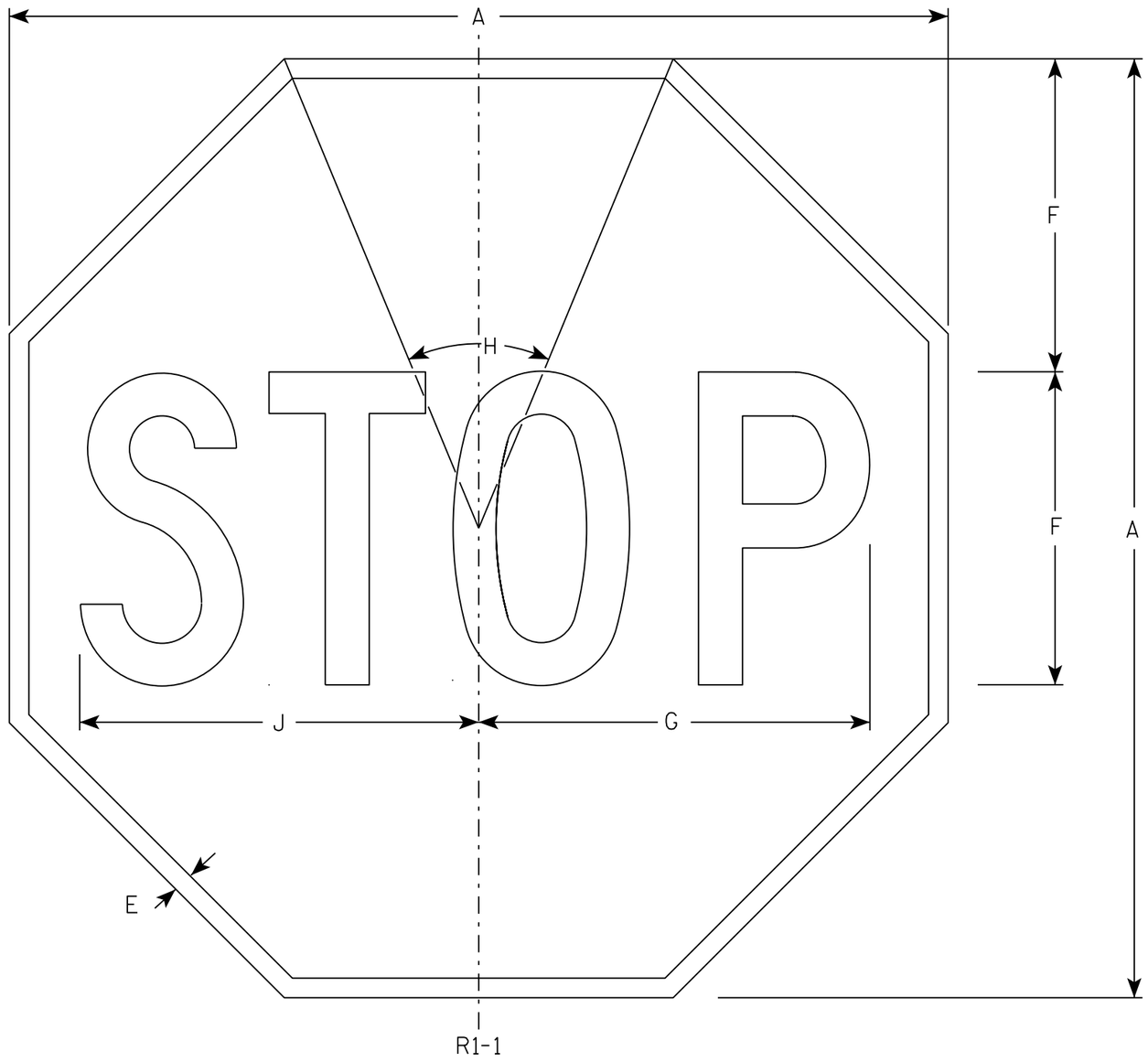
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 418 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

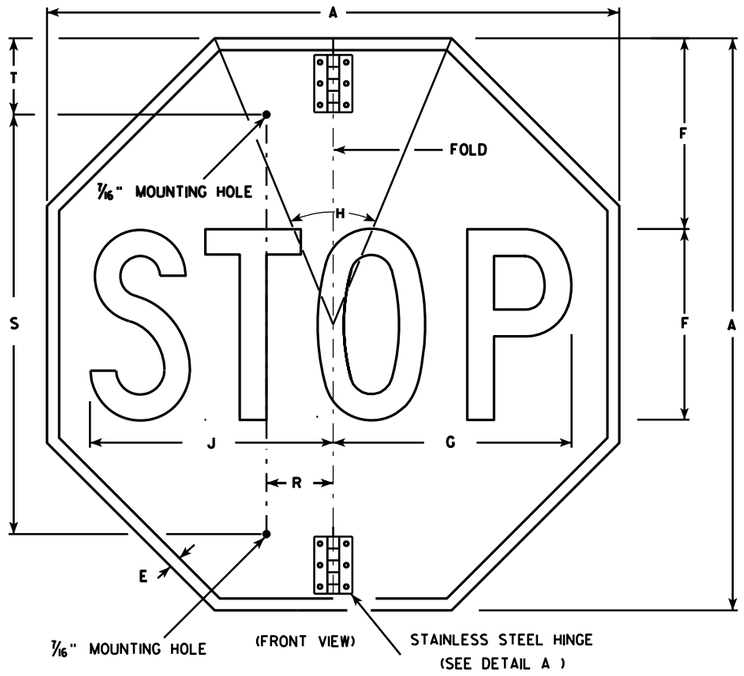
STANDARD SIGN
R1-1

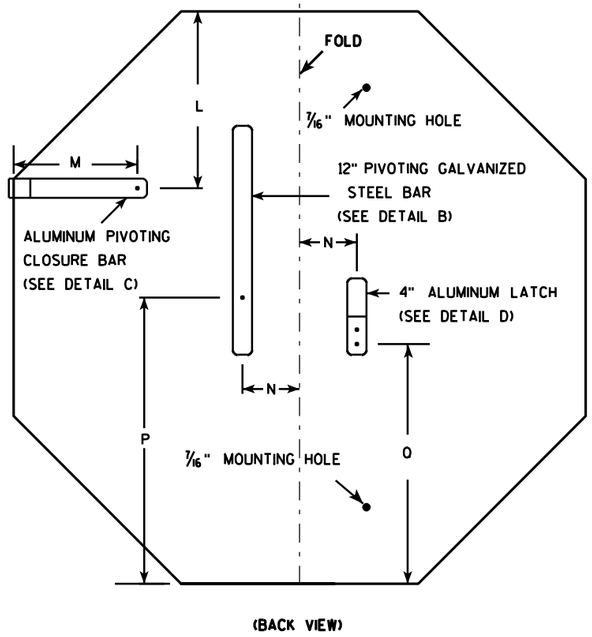
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

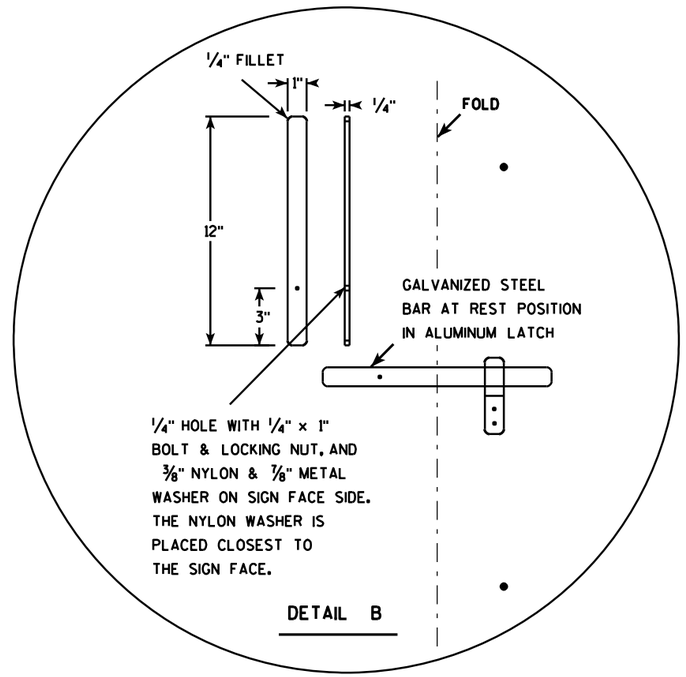
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 419	E



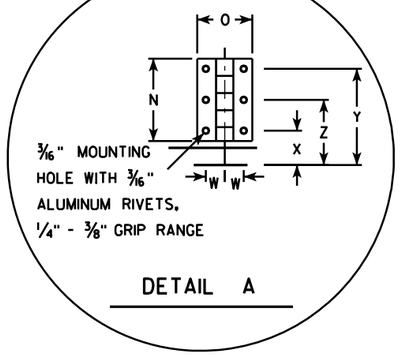


NOTES

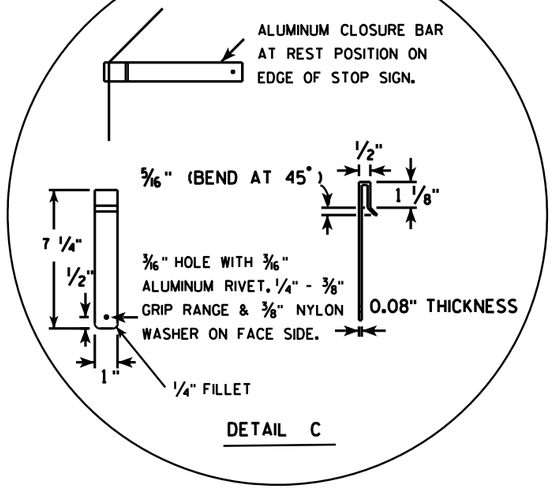
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.



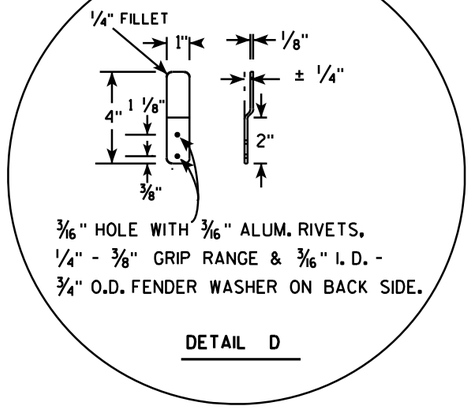
DETAIL B



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

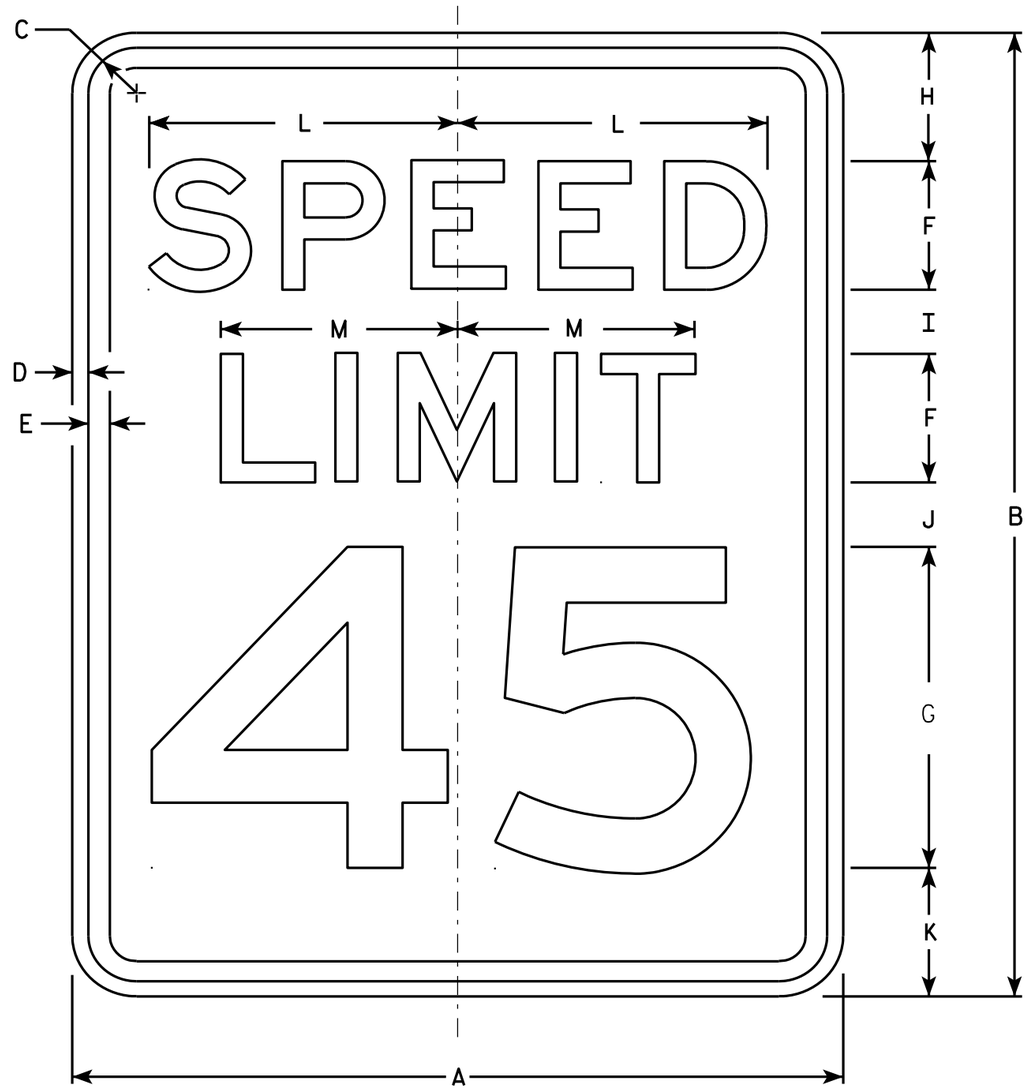
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 420 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R11F.DGN PLOT DATE : 02-DEC-2010 15:26 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 7.945391:1.000000

WISDOT/CADDS SHEET 42

7

7



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

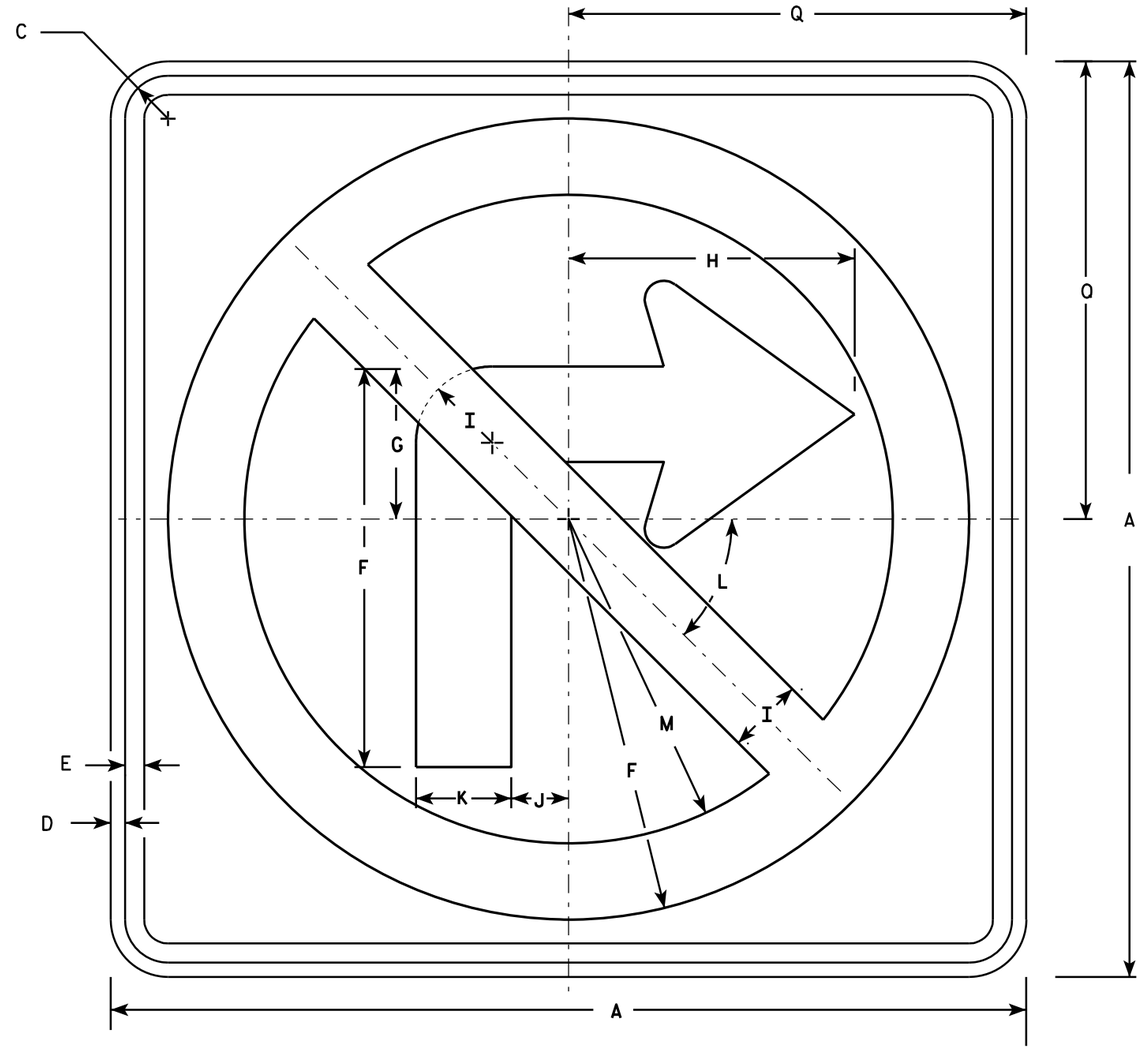
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

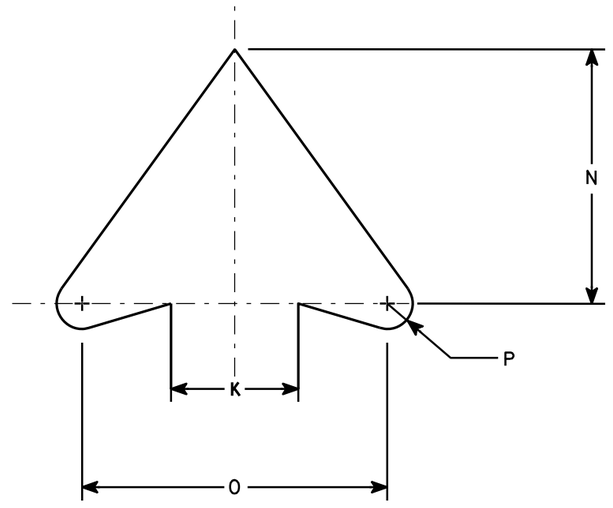
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 421 | E



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

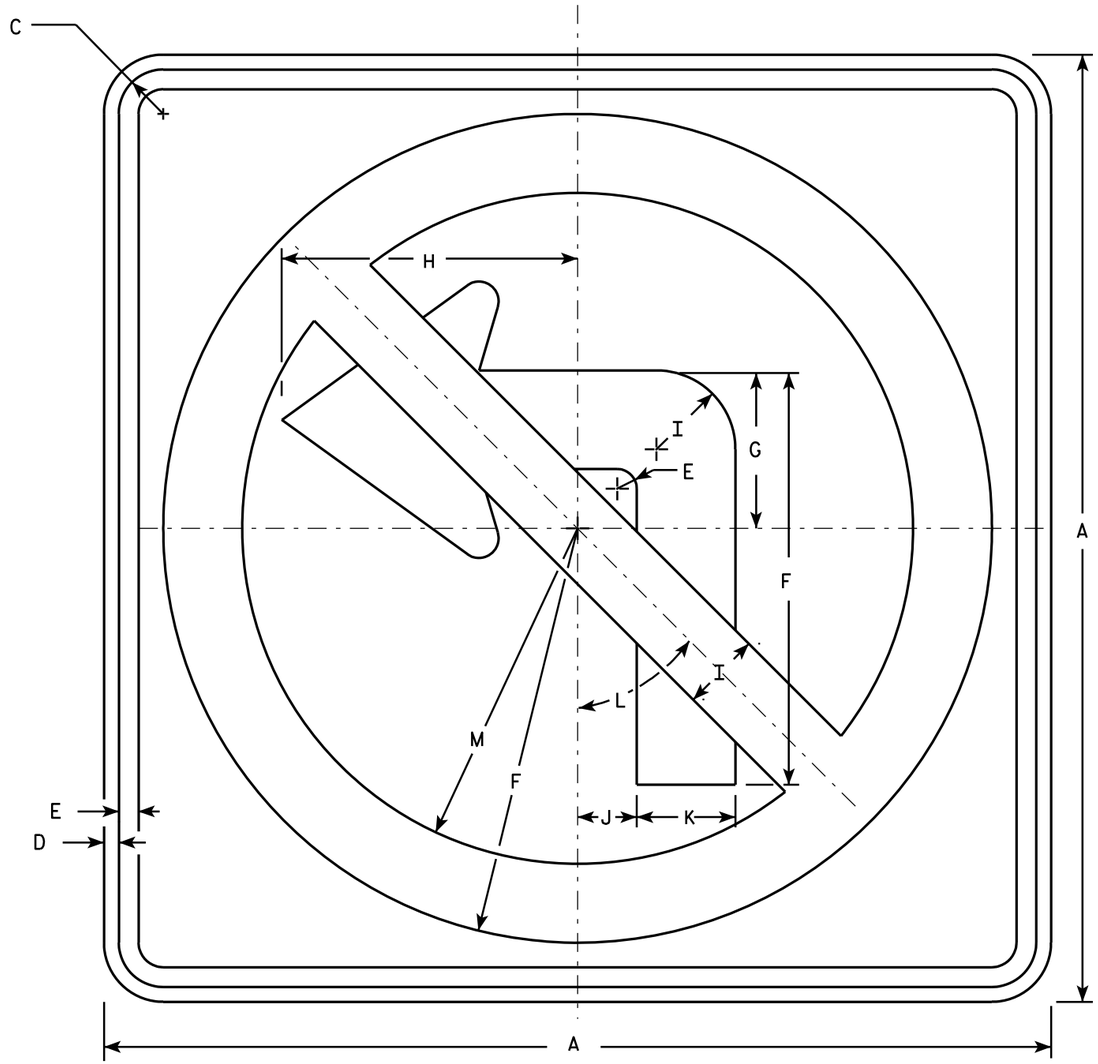
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

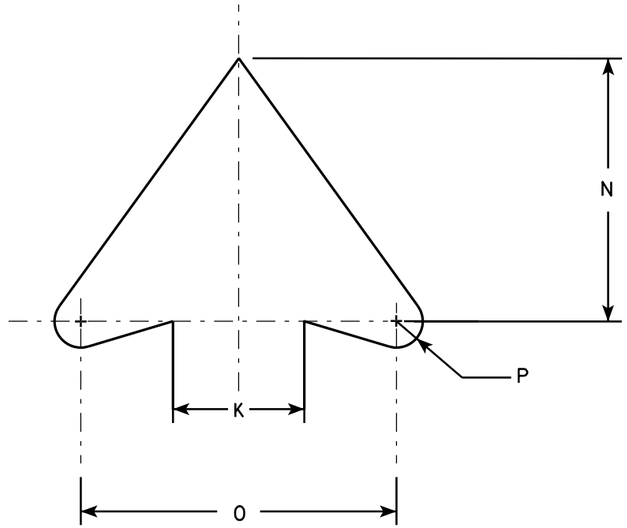
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 422	E



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

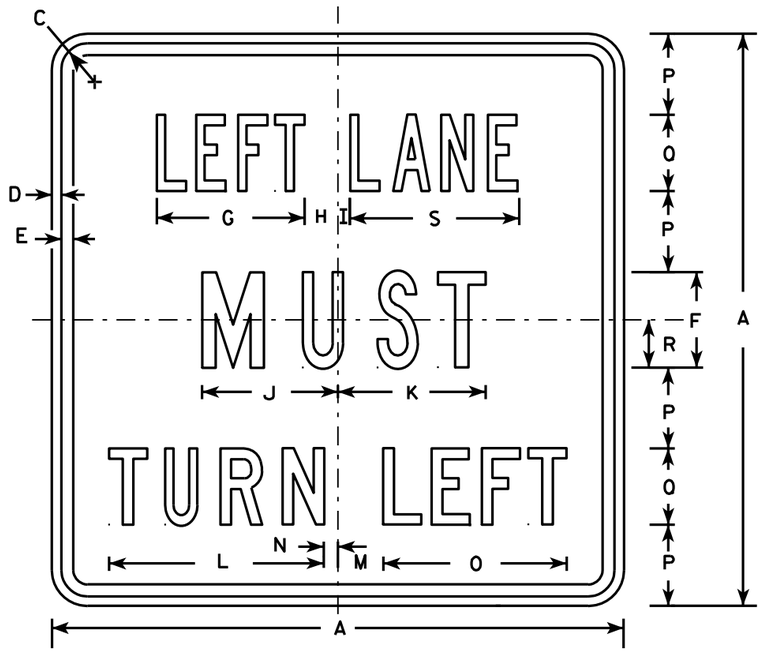
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

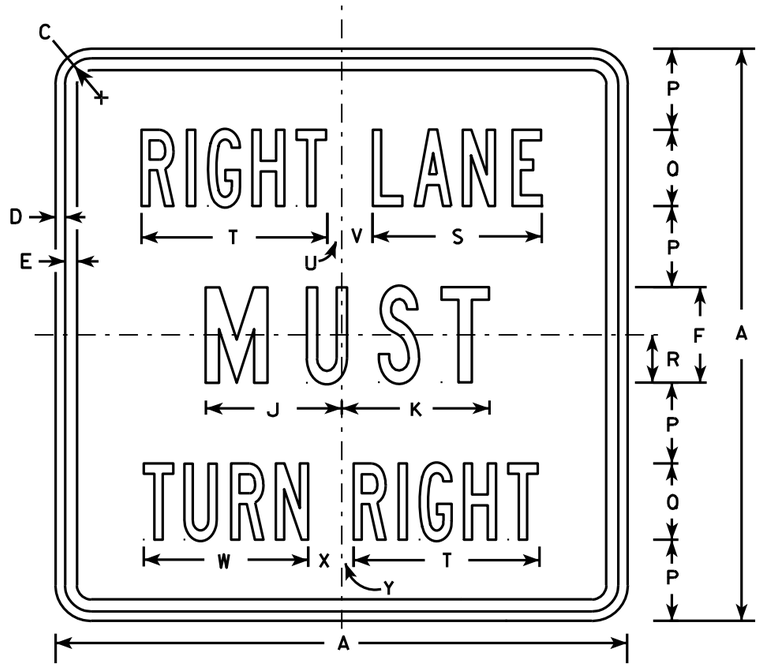
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 423	E



R3-7L



R3-7R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - Line 1 is Series B.
   Line 2 is Series C.
   Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2S	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2M	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
3	36		1 5/8	5/8	3/4	6	9 5/8	2	1 1/8	8 3/4	9	13 1/2	3 7/8	1 1/2	12 1/2	5	5	3	10 5/8	12	7/8	2 1/4	10 5/8	2 1/8	1		9.00
4	48		2 1/4	3/4	1	8	13 1/2	2 3/8	1 1/2	11 1/2	11 7/8	17 3/4	3 5/8	2 1/2	16 3/8	6 1/2	7	4	14 3/8	16 7/8	5/8	3 1/4	15 1/8	2 3/4	1 1/8		16.00
5																											

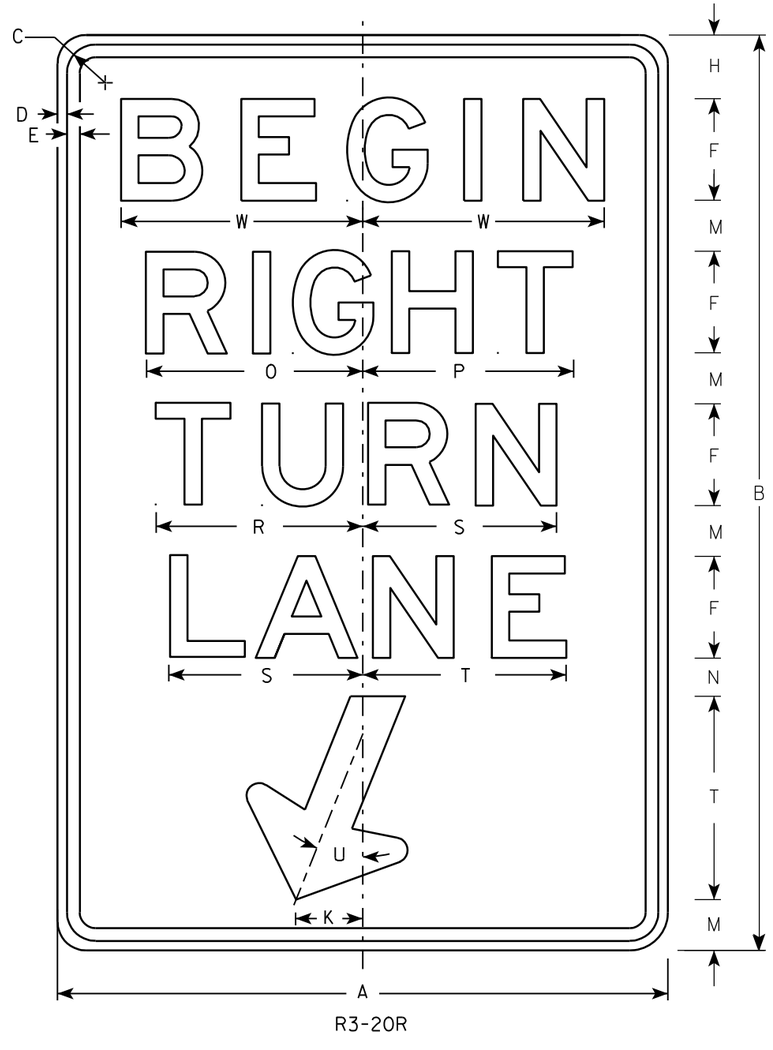
STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-7.3

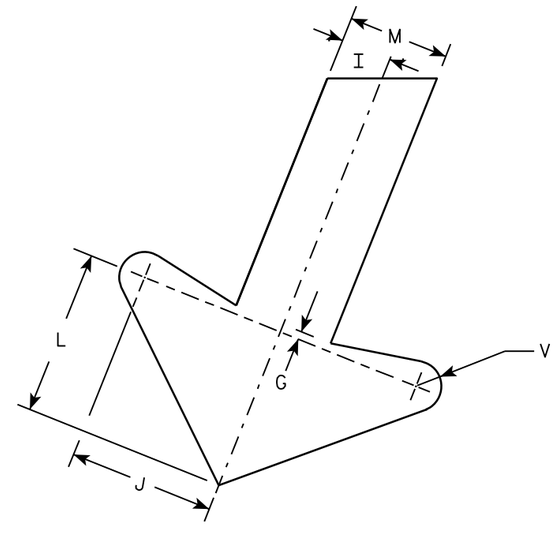
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 424 | E



R3-20R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

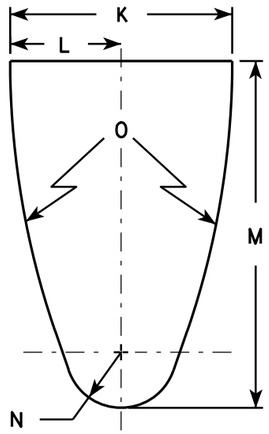
STANDARD SIGN
R3-20R

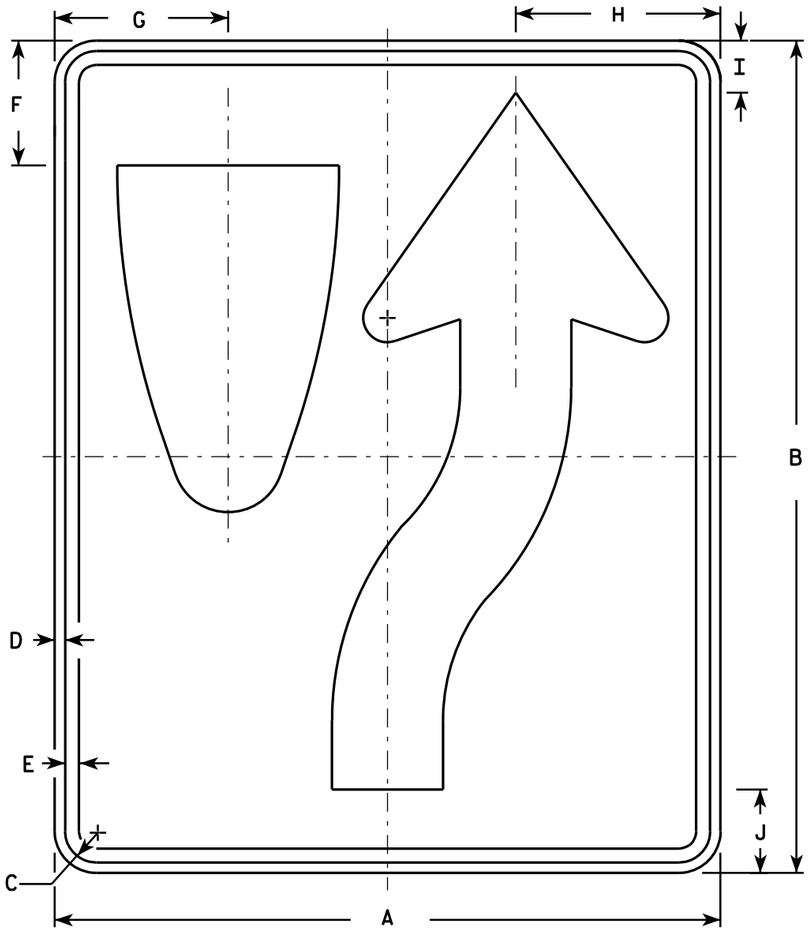
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20R.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 425 | E

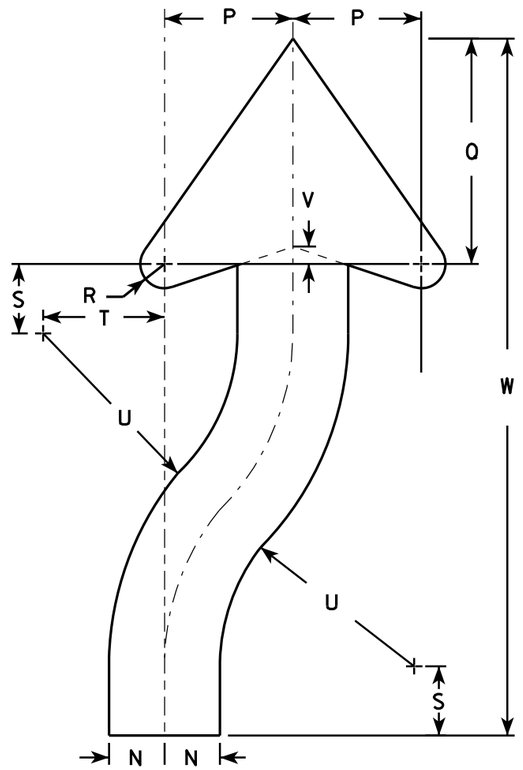




R4-7

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

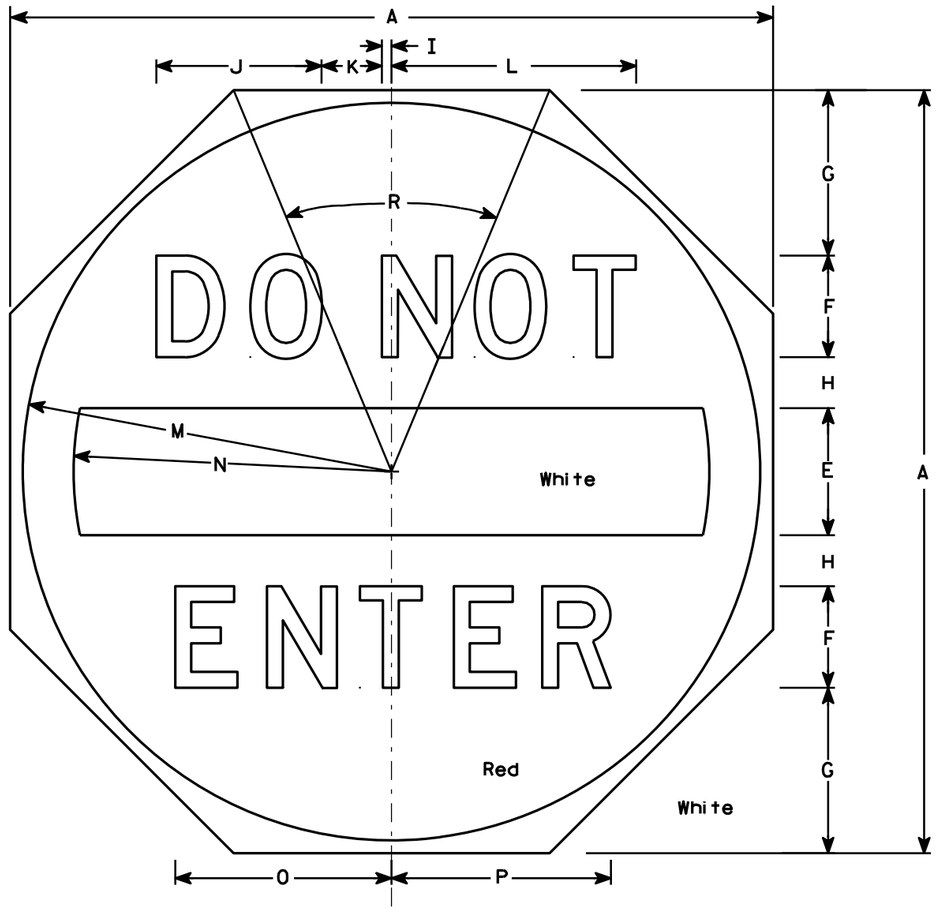
STANDARD SIGN
R4-7 & R4-8

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: 426	E



R5-1C

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See detail
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8		45°									5.18
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4		45°									7.46
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4		45°									7.46
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4		45°									13.25
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8		45°									13.25

STANDARD SIGN
R5-1C

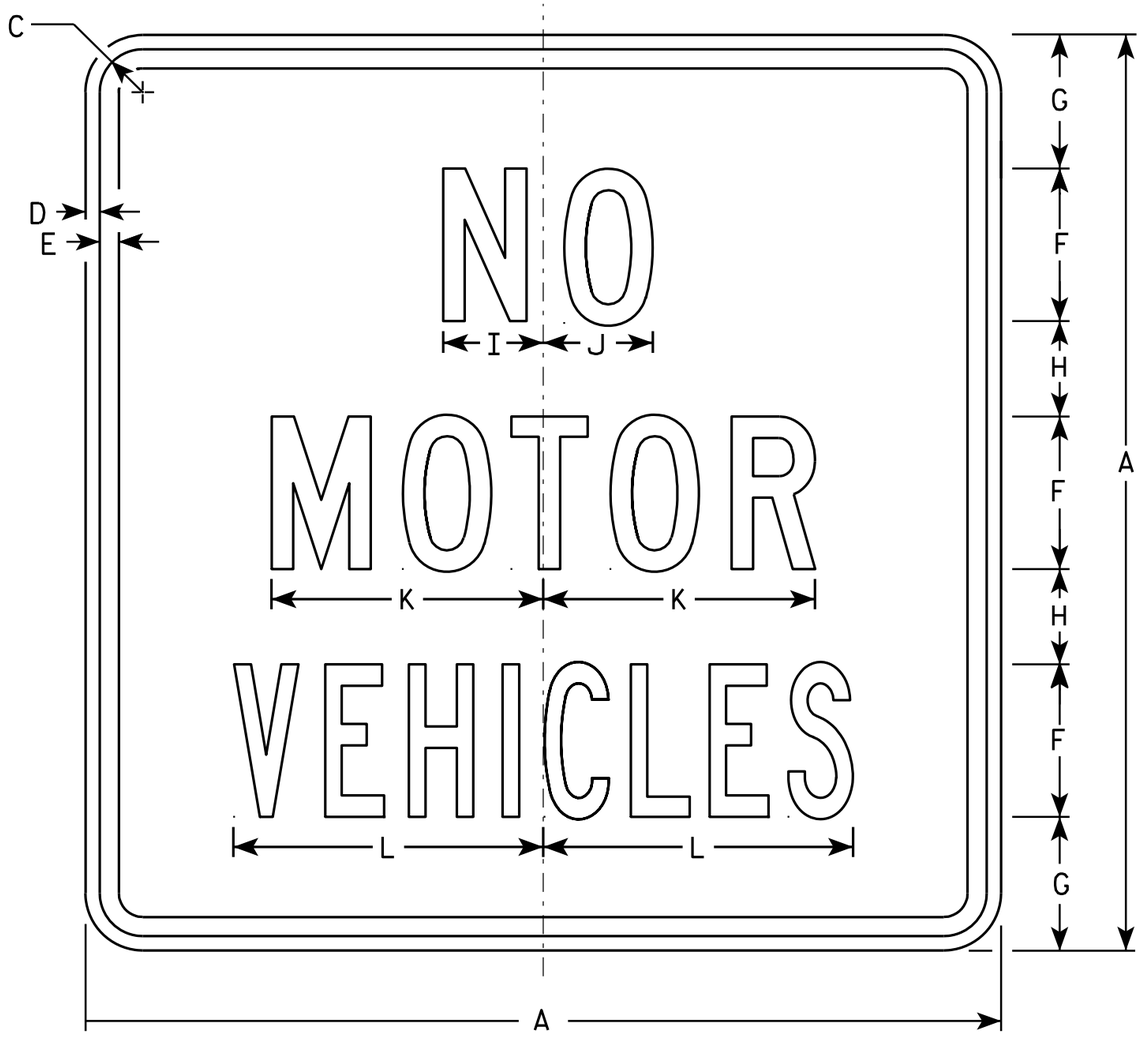
WISCONSIN DEPT OF TRANSPORTATION

APPROVED

State Traffic Engineer

DATE 3/23/11 PLATE NO. R5-1C.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 427 | E



R5-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - See Note 5.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 & 2 are Series C.
   Line 3 is Series B.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2	4	3 1/2	2 1/2	2 5/8	2 7/8	7 1/8	8 1/8															4.0
2M	24		1 1/8	3/8	1/2	4	3 1/2	2 1/2	2 5/8	2 7/8	7 1/8	8 1/8															4.0
3																											
4																											
5																											

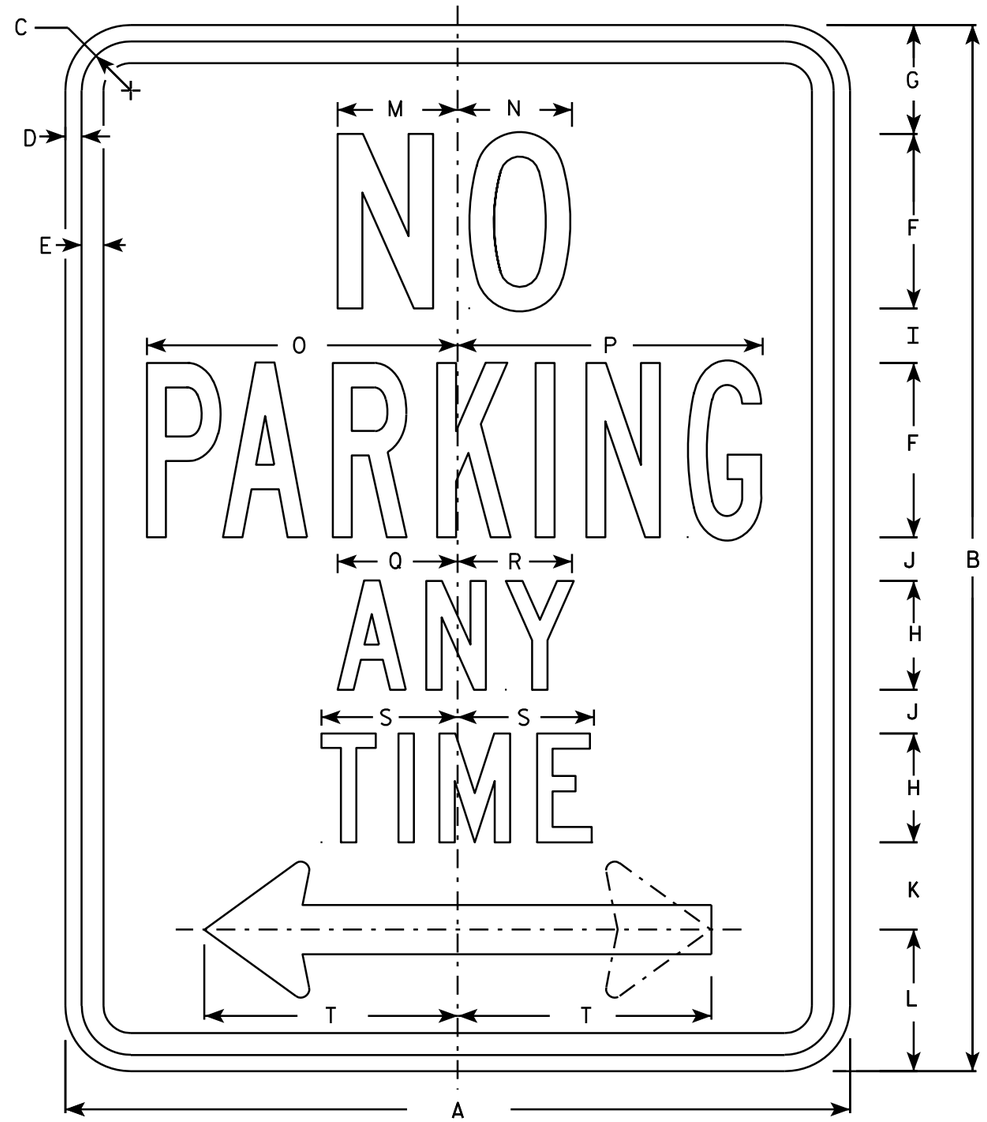
STANDARD SIGN
R5-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-3.2

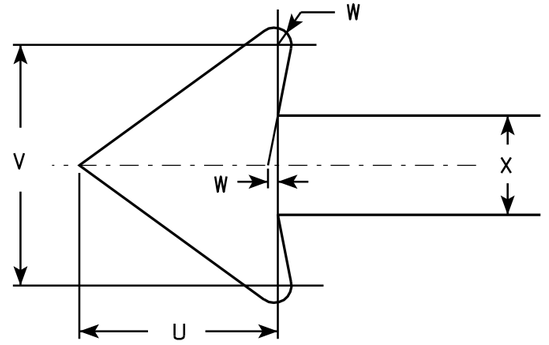
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 428 | E



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: 429 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R71.DGN PLOT DATE : 31-MAR-2011 09:20 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 3.476110:1.000000

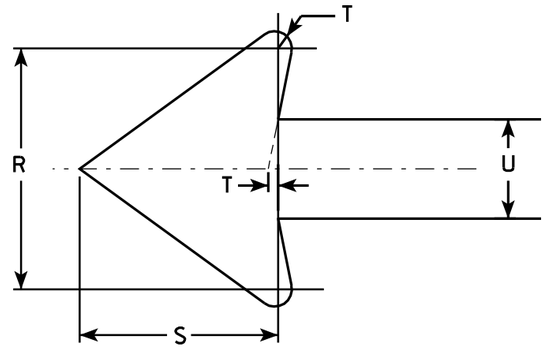
WISDOT/CADDS SHEET 42



R7-5

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 - Green
3. Message Series - See Note 7
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 as required & adjust spacing to achieve proper balance.
6. R7-5D (double arrow)
   R7-5L (left arrow)
   R7-5R (right arrow)
7. Lines 1, 2 & 3 are series C Copy
   Line 4 Series B Copy.



* - See Note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	2	2	2 1/4	1 1/4	4	2 1/2	2 1/8	2	2 7/8	4 5/8	4 1/2	3 7/8	1 3/4	1 1/2	1/8	3/4						1.5
2S	18	24	1 1/8	3/8	1/2	3	3	2 5/8	1 1/4	5 5/8	3 1/4	3 1/8	3 1/8	4 1/4	6 7/8	6 3/4	5 7/8	2 5/8	2 1/4	1/4	1 1/8						3.0
2M	24	30	1 1/8	3/8	1/2	4	3	3	2	6	3 1/2	4 1/4	4 1/8	5 3/4	9 1/8	9 1/8	7 3/4	3 1/2	3	1/4	1 1/2						5.0
3	24	30	1 1/8	3/8	1/2	4	3	3	2	6	3 1/2	4 1/4	4 1/8	5 3/4	9 1/8	9 1/8	7 3/4	3 1/2	3	1/4	1 1/2						5.0
4																											
5																											

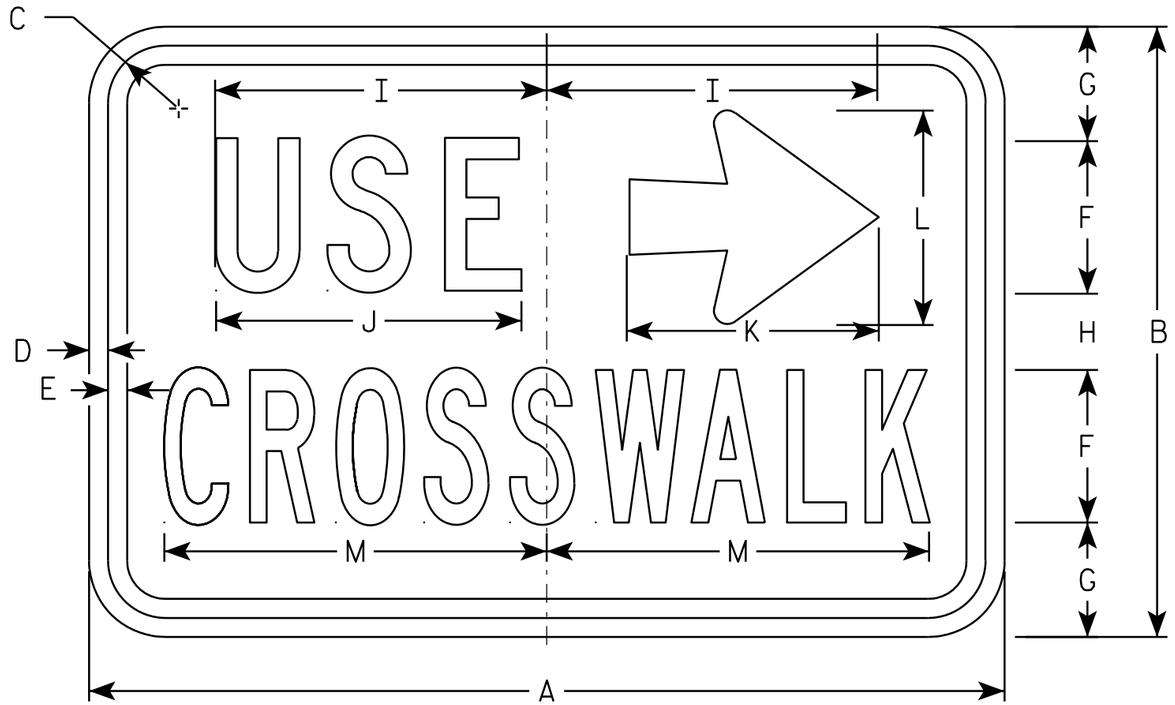
STANDARD SIGN
R7-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/31/2011 PLATE NO. R7-5.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 430	E



R9-3BR

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 Line 1, Series B Line 2
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. R9-3BL is the same as R9-3BR except USE and the arrow are switched.

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	18	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
2M	18	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
3																											
4																											
5																											

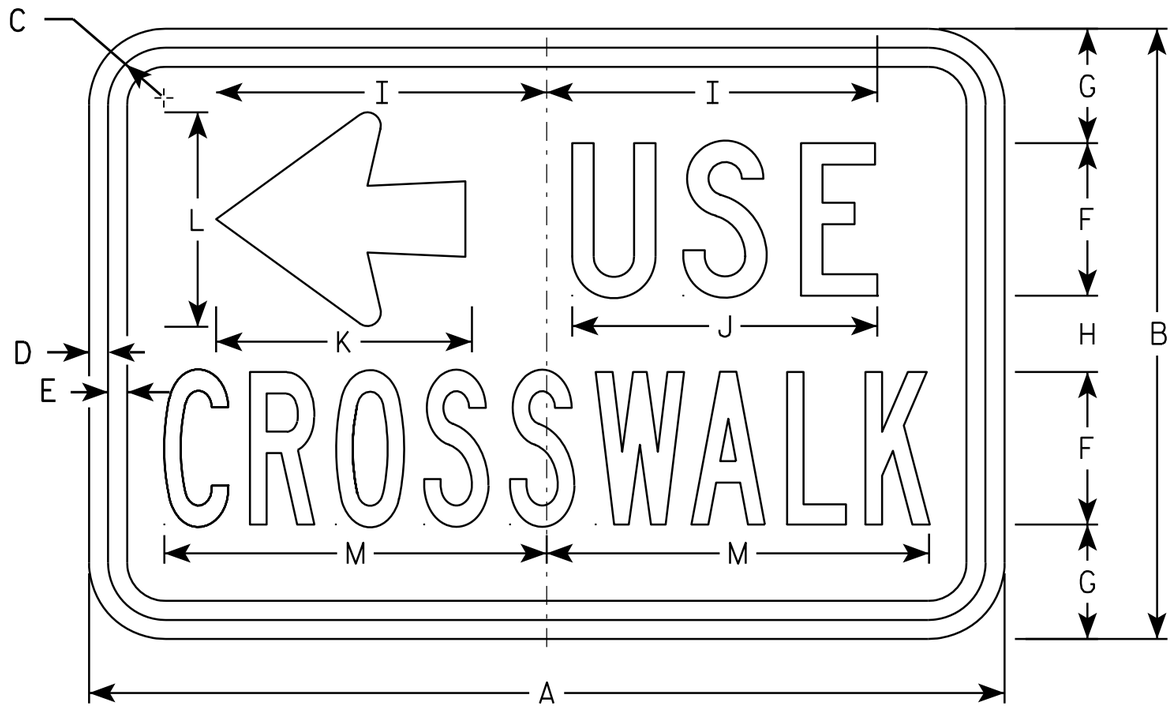
STANDARD SIGN
R9-3BR&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/4/10 PLATE NO. R9-3B.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 431 | E



R9-3BL

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 Line 1, Series B Line 2
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	
2	450 mm X 300 mm
3	
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	18	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5	0.14
3																												
4																												
5																												

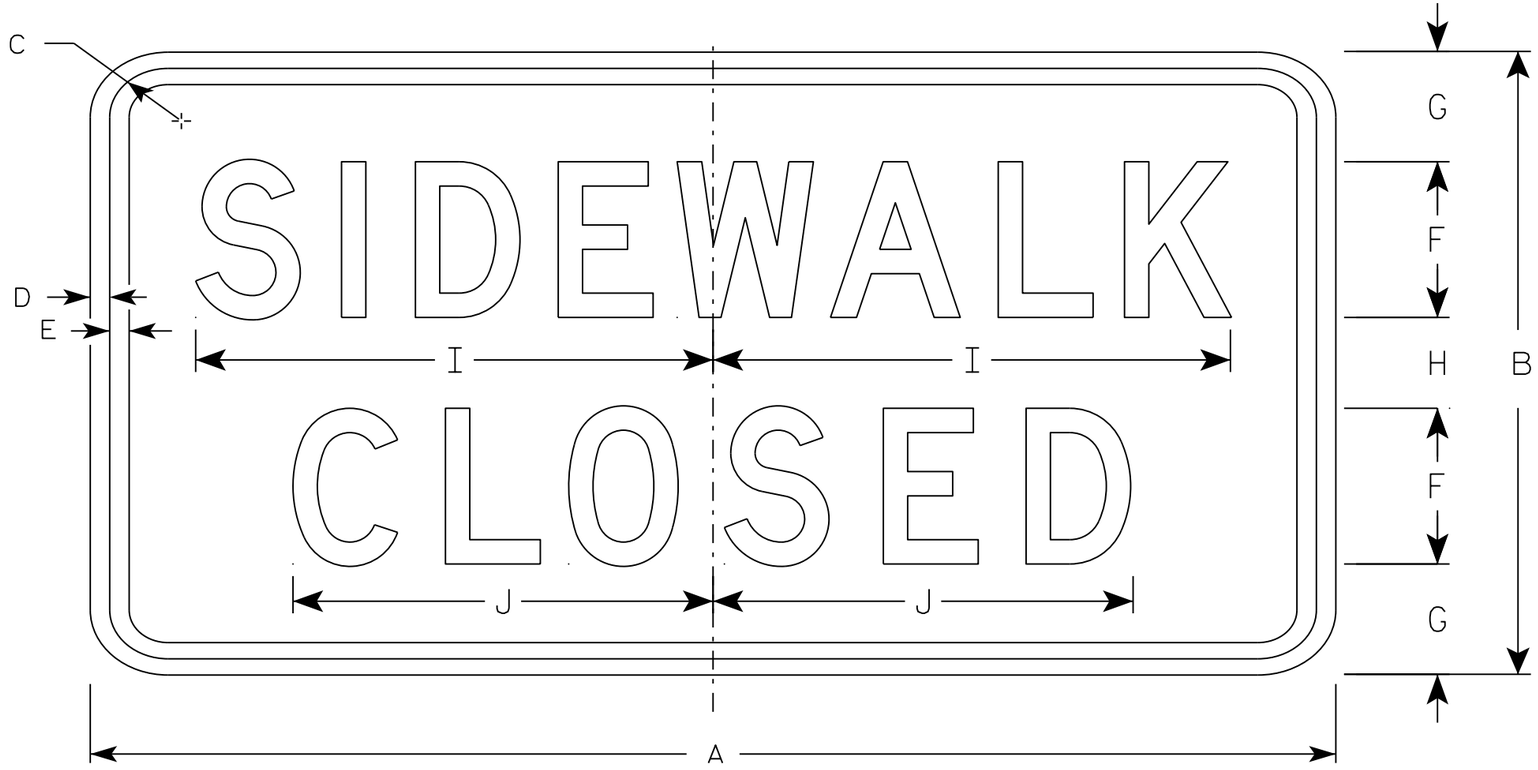
STANDARD SIGN
R9-3BL

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/05/09 PLATE NO. R9-3BL.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 432 | 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

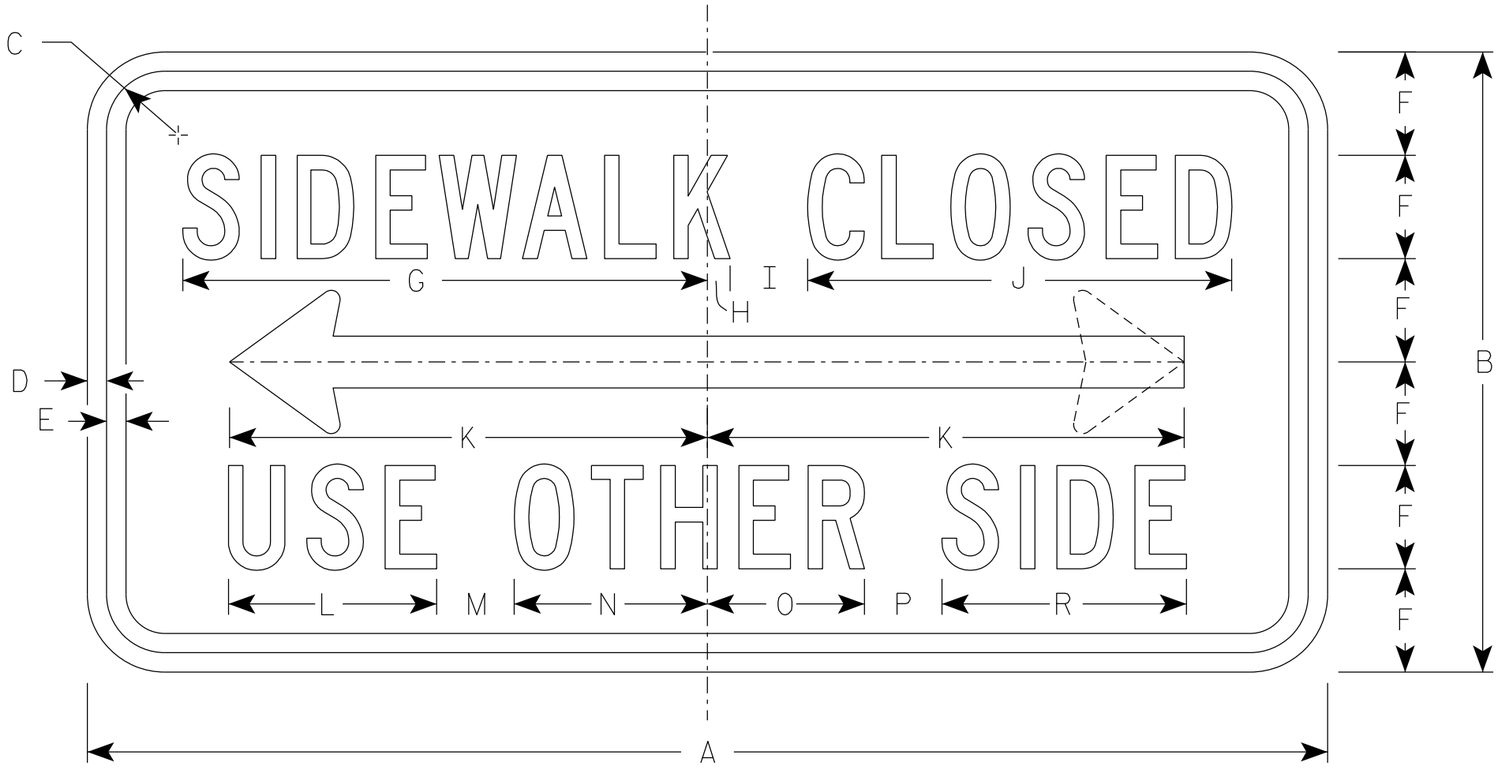
DATE 8/11/16 PLATE 433 R9-9.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

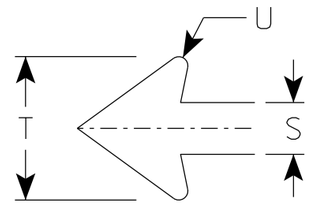
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for sidewalks. Use Size 3 for paths and trails.



R9-10



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	2	10 1/8	1/2	1 1/2	8 1/4	9 1/4	4	1 1/2	3 3/4	3	1 1/2		4 3/4	1	2 3/4	1/8						2.0
2M	24	12	1 1/8	3/8	3/8	2	10 1/8	1/2	1 1/2	8 1/4	9 1/4	4	1 1/2	3 3/4	3	1 1/2		4 3/4	1	2 3/4	1/8						2.0
3	30	15	1 1/8	3/8	1/2	2 1/2	12 3/4	1/2	2	10 1/4	12 3/8	5	2	4 5/8	3 3/4	2		5 7/8	1 1/4	3 5/8	1/4						3.125
4																											
5																											

STANDARD SIGN
R9-10

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/7/2020 PLATE NO. R9-10.7

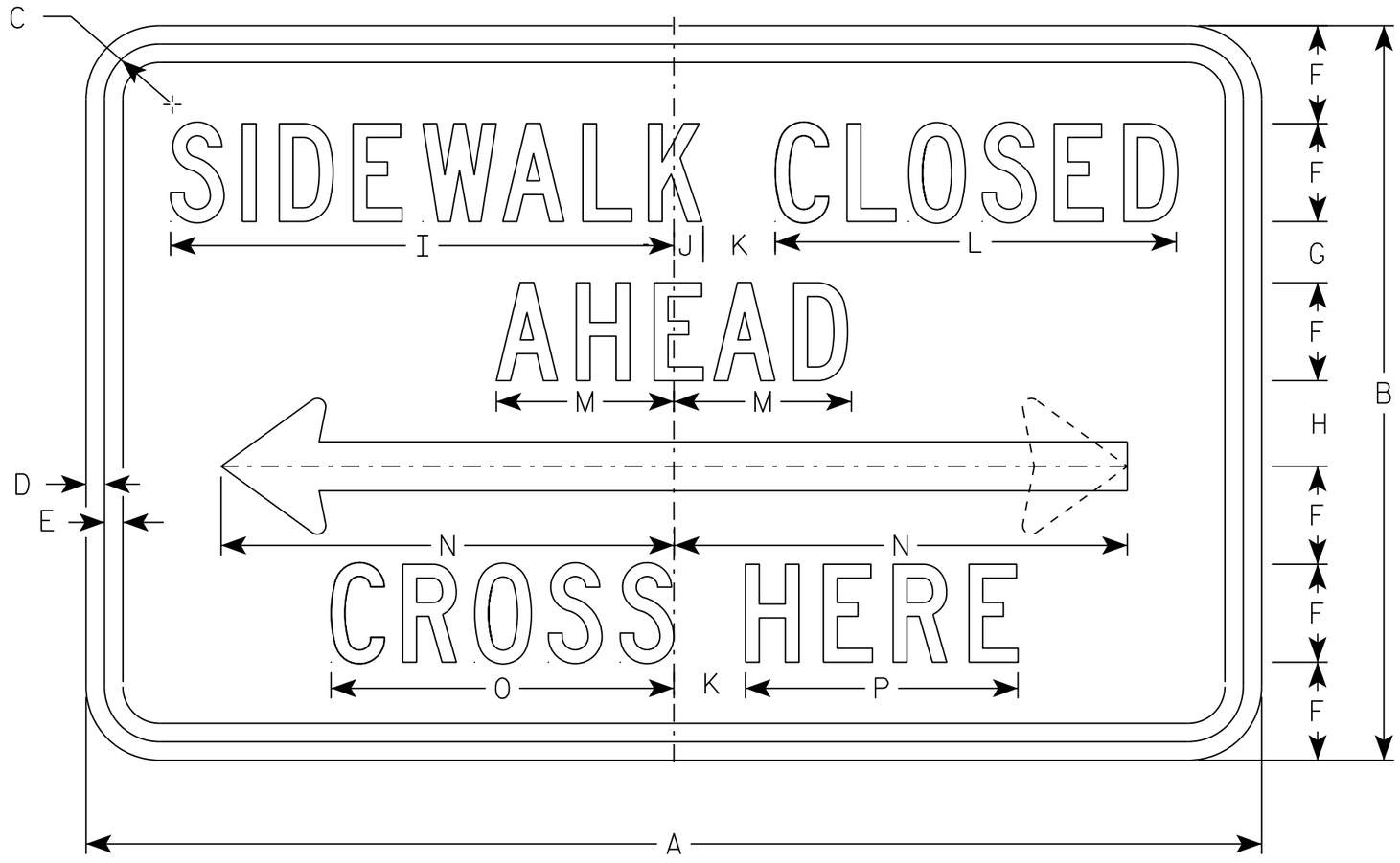
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 434	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R910.dgn PLOT DATE : 07-APRIL-2020 PLOT BY : dotc4c PLOT NAME : PLOT SCALE :

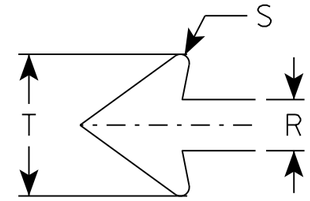
WISDOT/CADDS SHEET 42

7

7



R9-11



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C except Size 1 is Series D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
2M	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
3	30	15	1 1/8	3/8	1/2	2	1 1/2	1 1/2	13	3/4	2	10 1/4	4 5/8	12 3/8	8 7/8	6 7/8		1 1/4	1/4	3 5/8							3.125
4																											
5																											

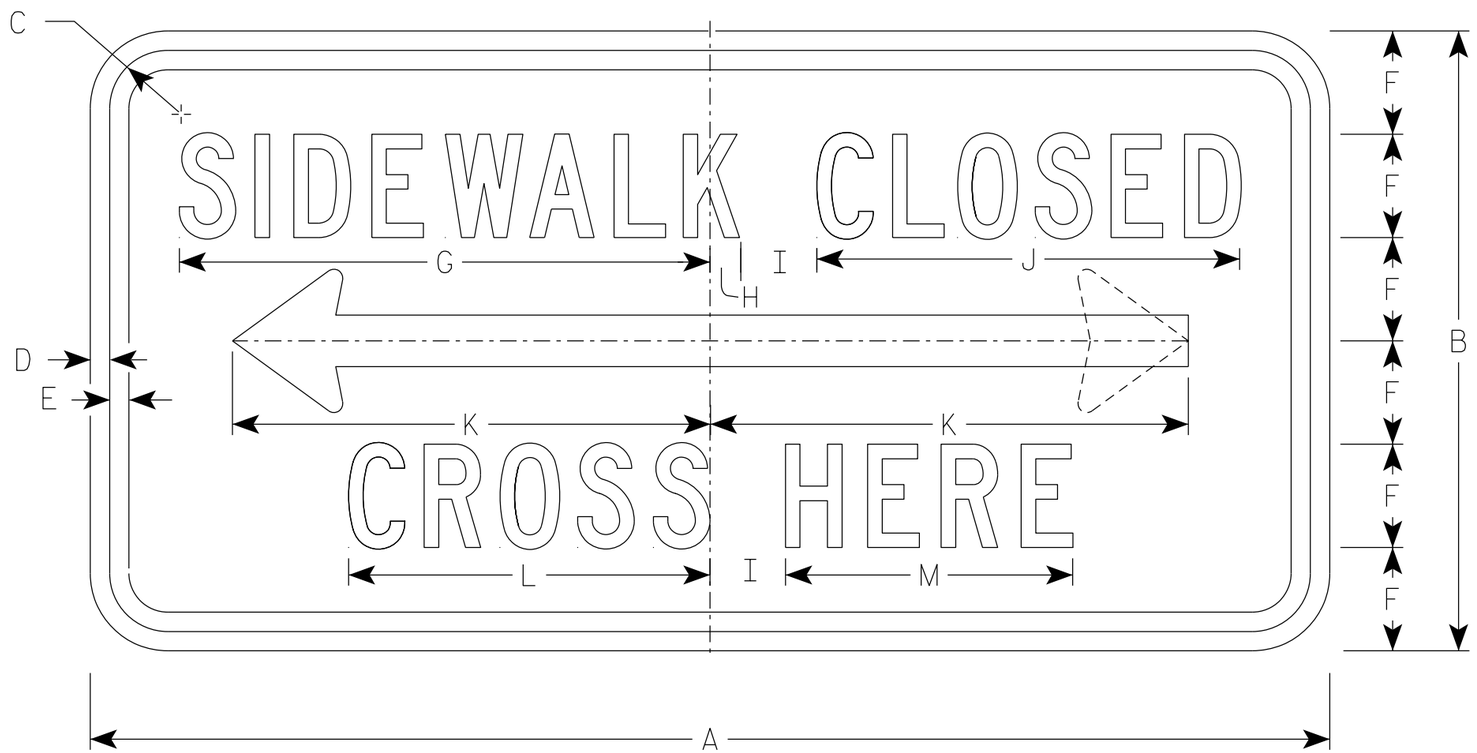
STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/29/16 PLATE NO. R9-11.3

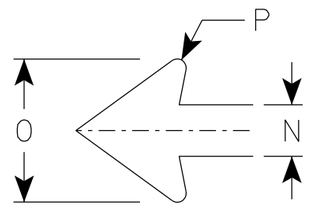
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 435	E



R9-11A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for paths and Trails.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
2M	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
3	30	15	1 1/8	3/8	1/2	2 1/2	12 3/4	1/2	2	10 1/4	12 3/8	8 5/8	6 3/4	1 1/4	3 5/8	1/4											3.125
4																											
5																											

STANDARD SIGN
R9-11A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/7/2020 PLATE NO. R9-11A.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 436 | E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R911A.dgn PLOT DATE : 07-APRIL-2020 PLOT BY : dotc4c PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 42

7

7



R10-71



R10-71L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R10-71R

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	R10-71L&R Area sq. ft.	R10-71 Area sq. ft.
1																												
2S	72	36	2 1/4	3/4	1	18	5	4	6	20 5/8	11 3/4	9 1/8	8 1/2	12 7/8	9 7/8	16 1/8	23 7/8	30	5 5/8	26 3/4	66	23 5/8	8 3/4	13	26 7/8	27	18.0	16.5
2M	72	36	2 1/4	3/4	1	18	5	4	6	20 5/8	11 3/4	9 1/8	8 1/2	12 7/8	9 7/8	16 1/8	23 7/8	30	5 5/8	26 3/4	66	23 5/8	8 3/4	13	26 7/8	27	18.0	16.5
3																												
4																												
5																												

STANDARD SIGN
R10-71

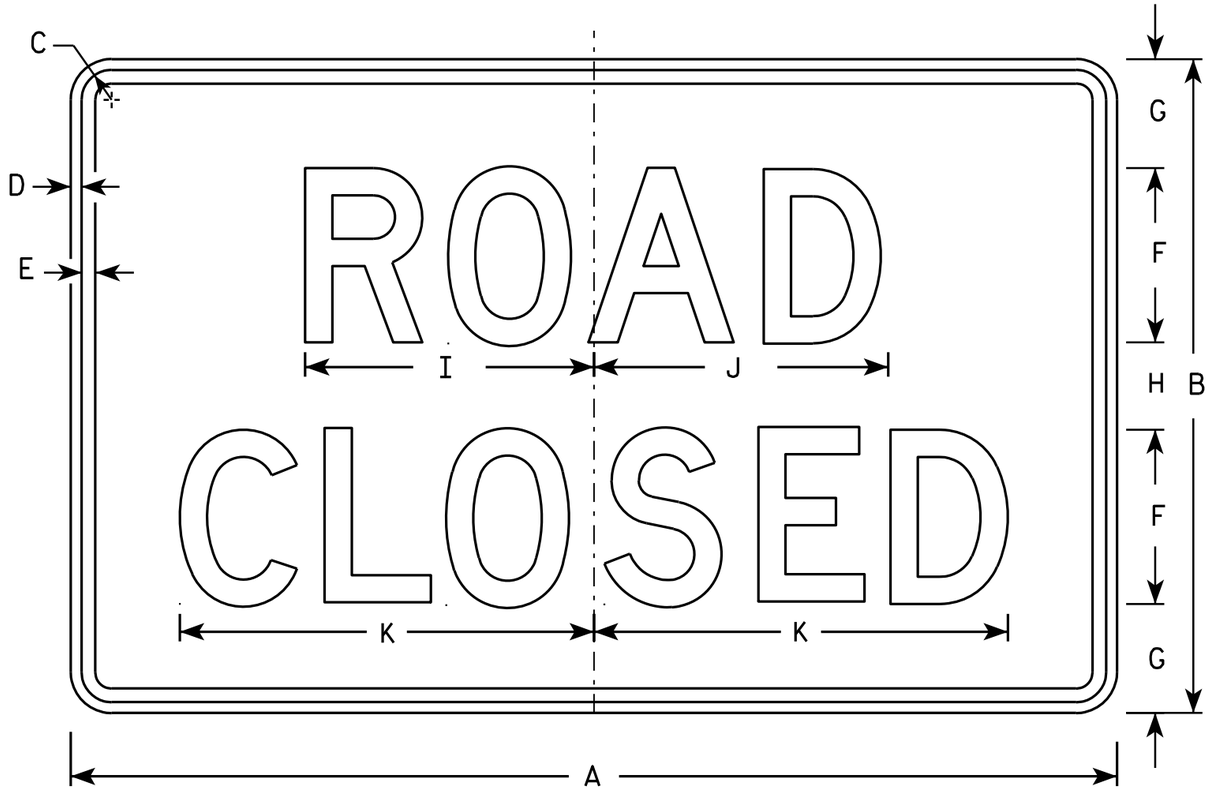
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/4/11 PLATE NO. R10-71.3

PROJECT NO:

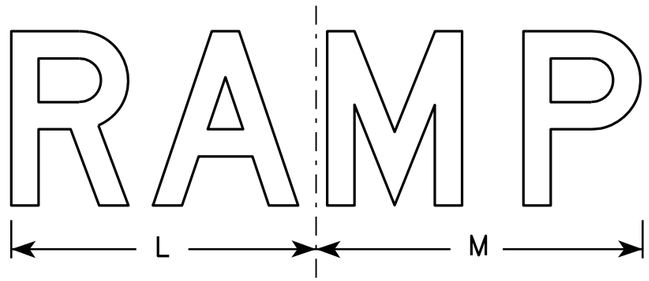
SHEET NO: 437 E



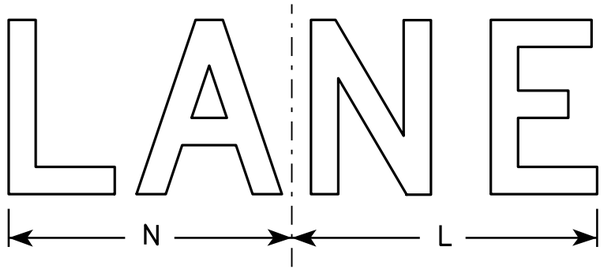
R11-2

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

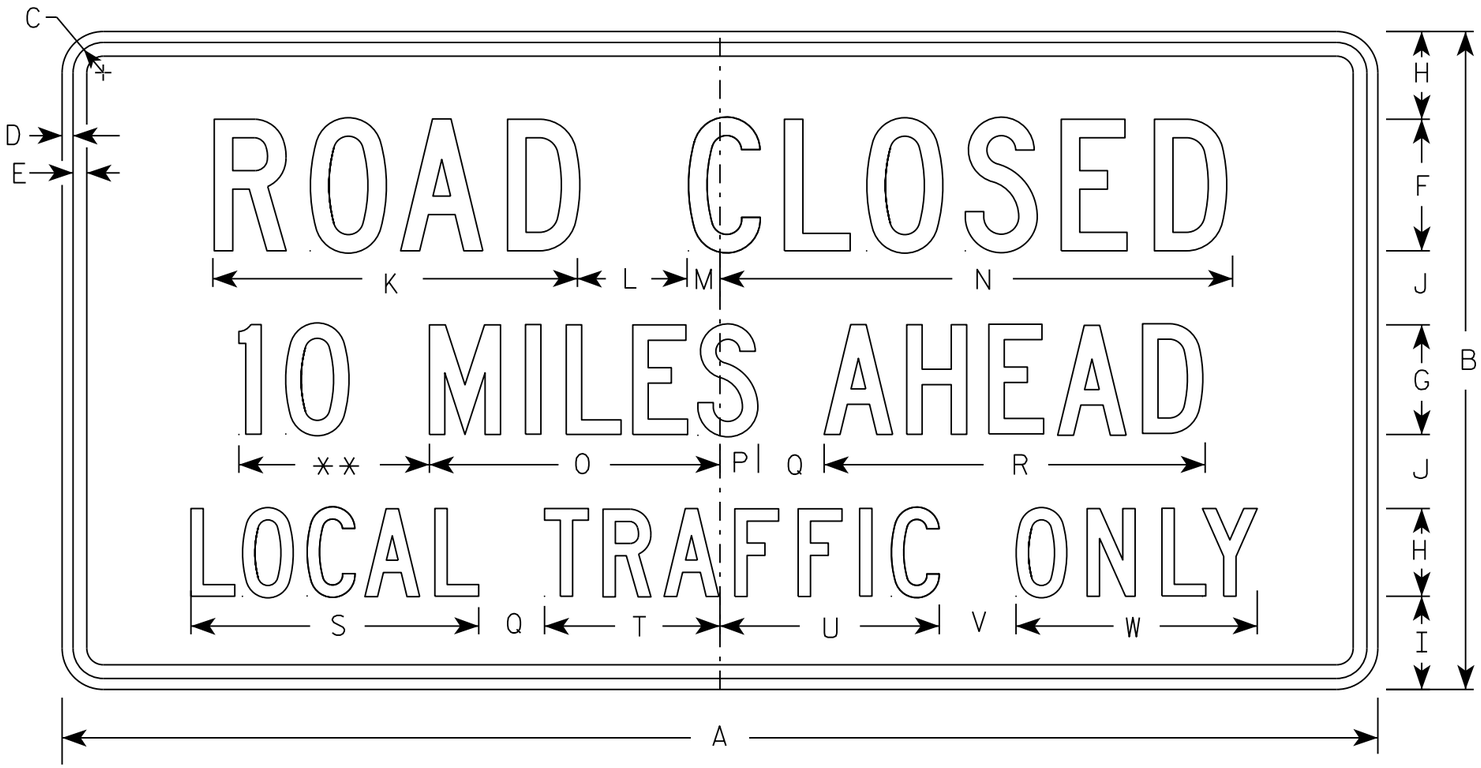
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 438	E

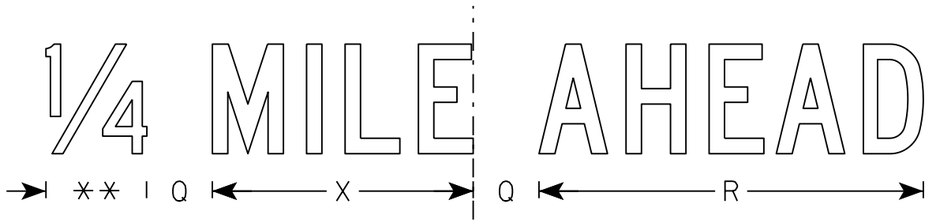
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	11 1/8	3	1 1/8	15 1/4	8	1 1/2	2	10 3/4	8 3/8	4 3/4	6 1/2	2	6 3/4	7 1/8			4.5
2S	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
3																											
4																											
5																											

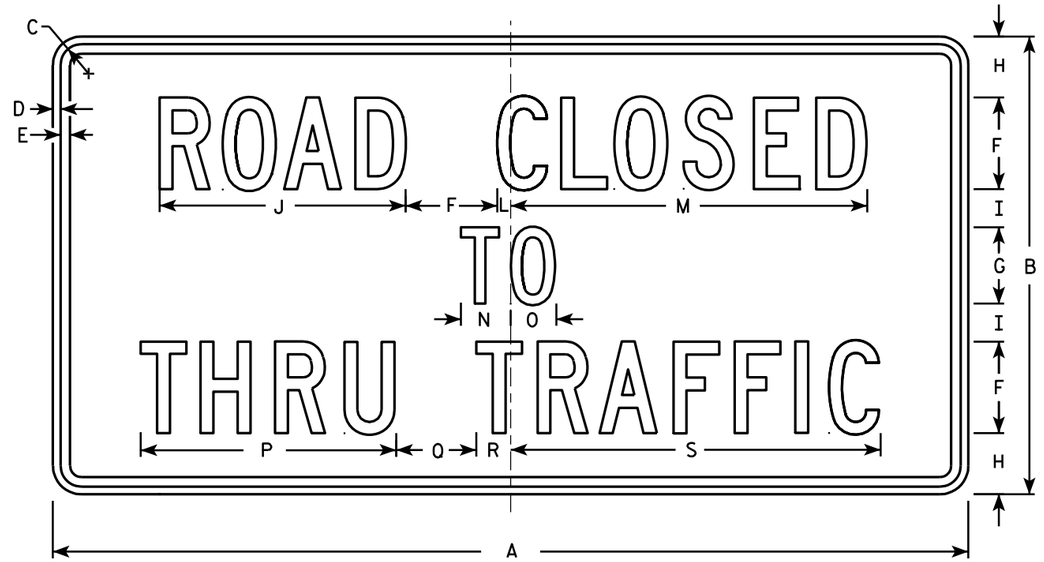
STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/17 PLATE NO. R11-3.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 439	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

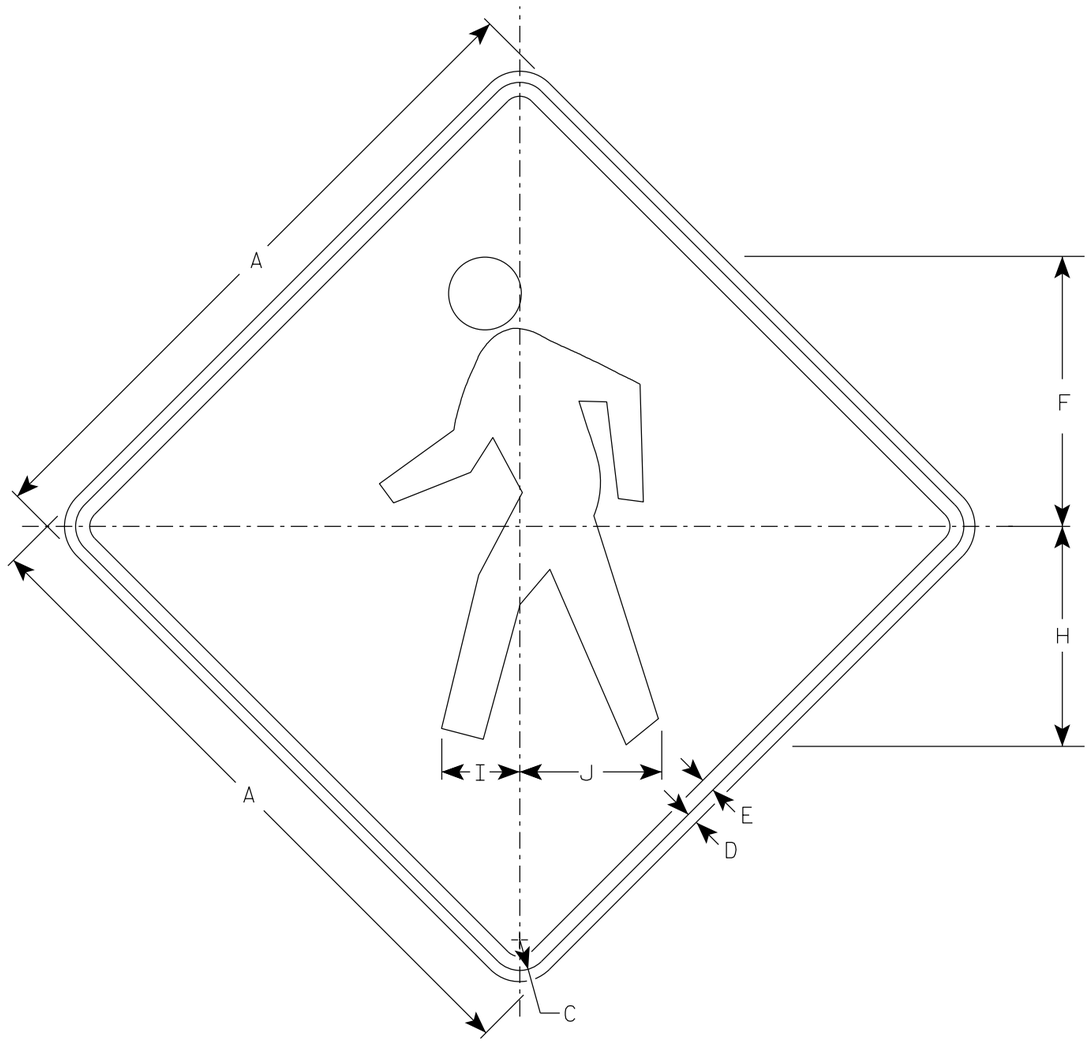
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 440 | E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black



W11-2

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

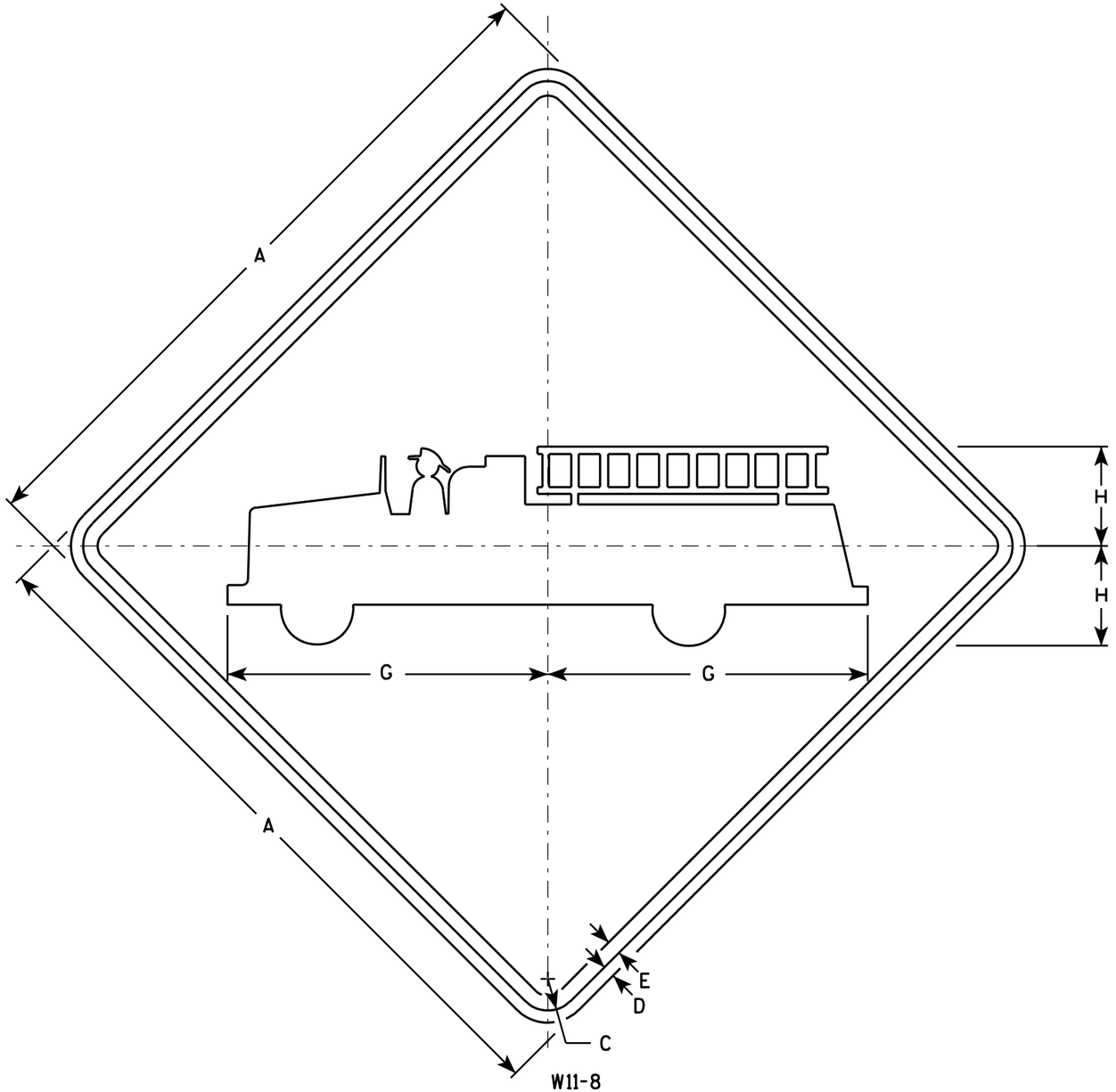
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/8/2020 PLATE NO. W11-2.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 441 E



W11-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		11	3 3/8																			4.0
2S	30		1 3/8	1/2	5/8		13 3/4	4 3/8																			6.25
2M	30		1 3/8	1/2	5/8		13 3/4	4 3/8																			6.25
3	36		1 5/8	5/8	3/4		16 1/2	5 1/4																			9.0
4	48		2 1/4	3/4	1		22	7																			16.0
5																											

STANDARD SIGN
W11-8

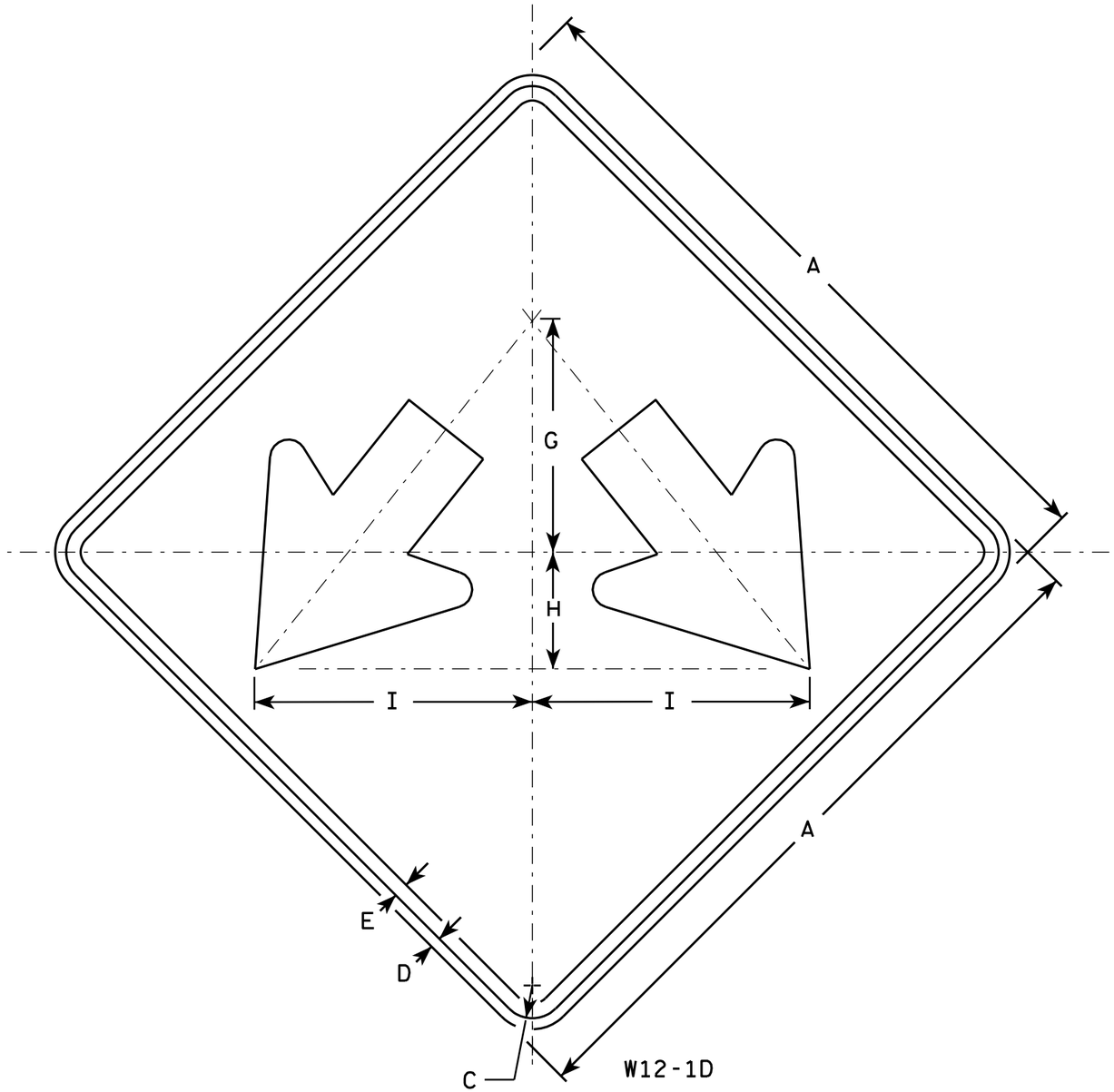
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W11-8.7

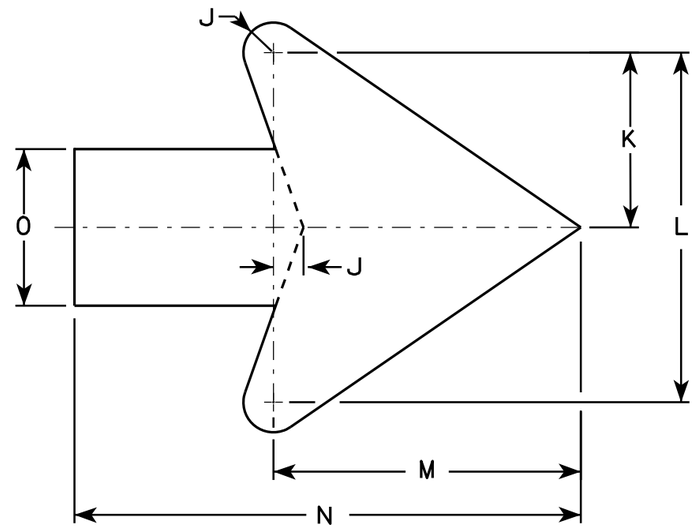
PROJECT NO:

SHEET NO: 442 E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

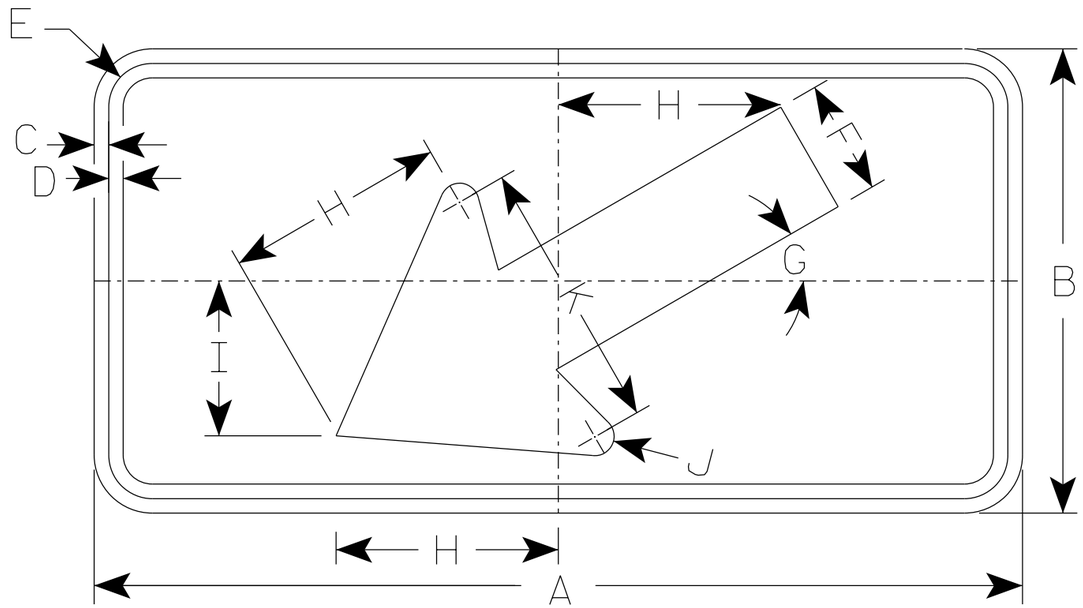
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 443	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

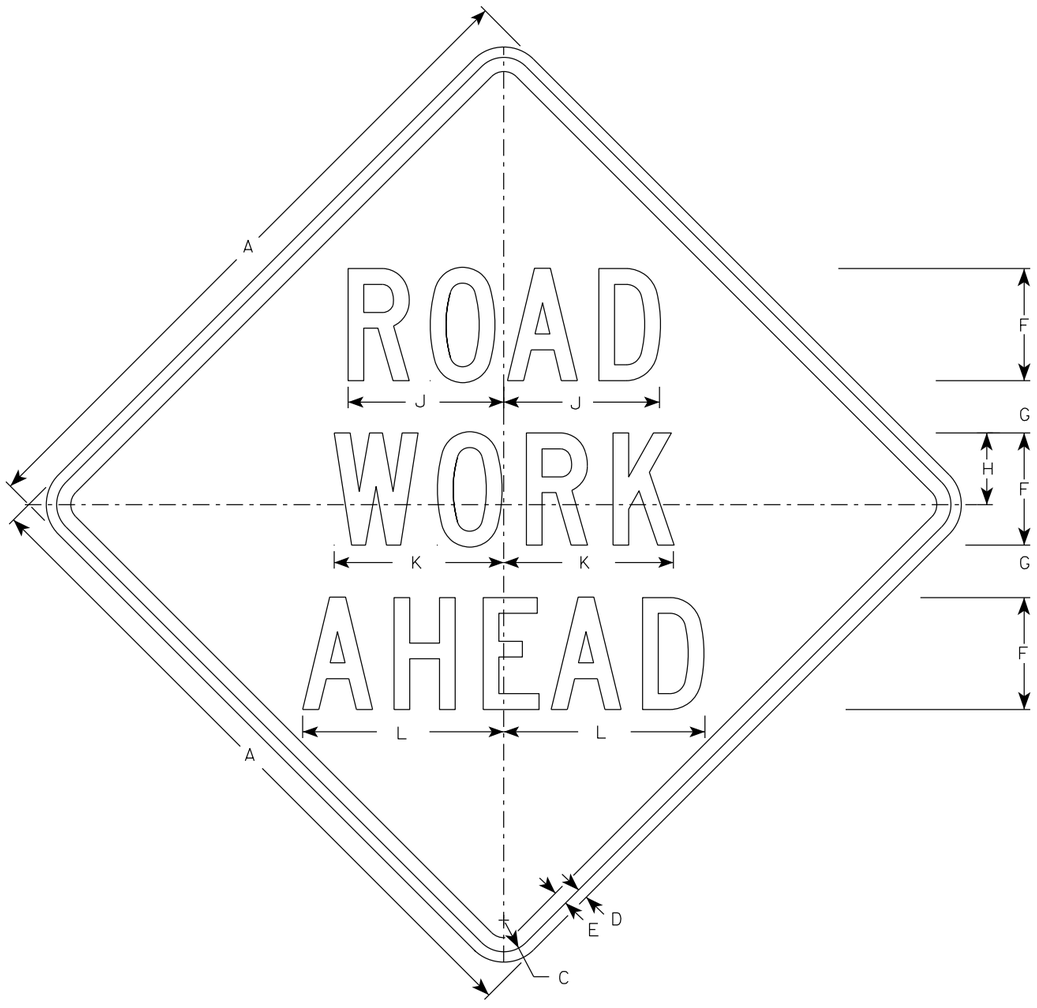
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 444 | E

7

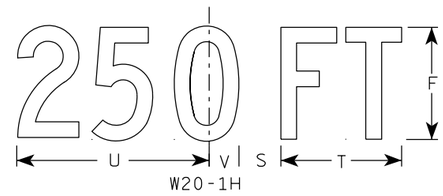
7

NOTES

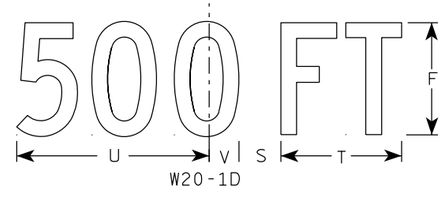
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A



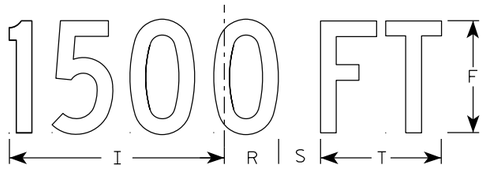
W20-1H



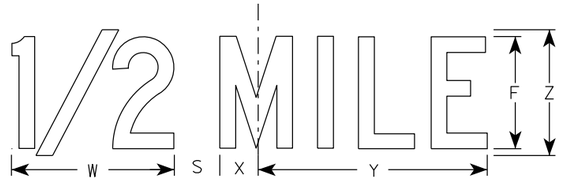
W20-1D



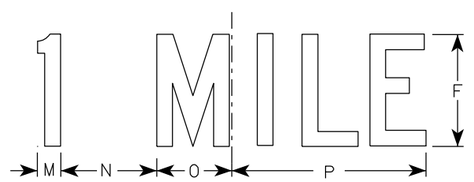
W20-1C



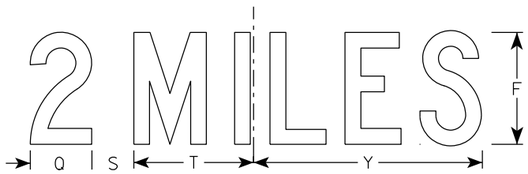
W20-1B



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

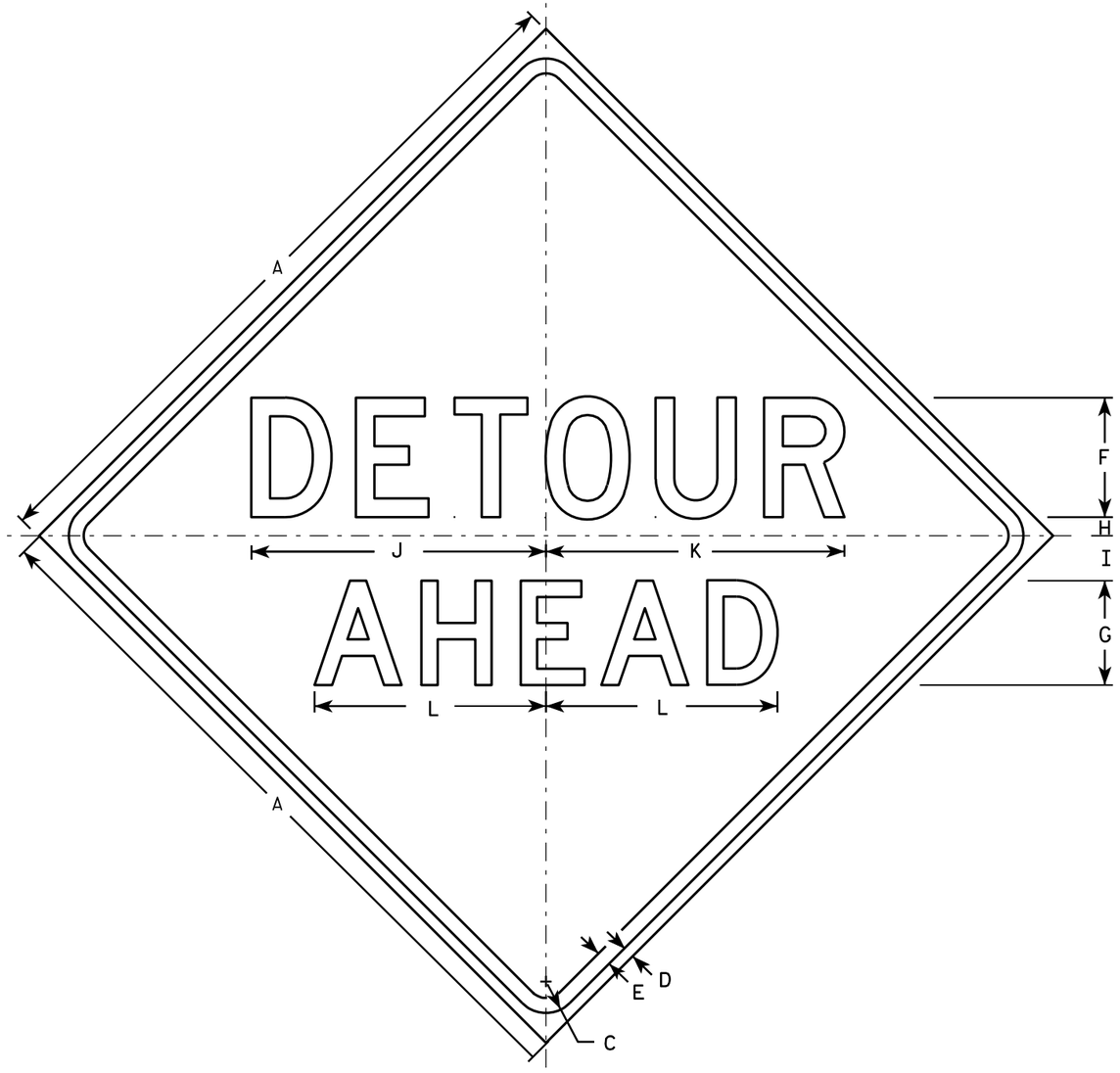
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

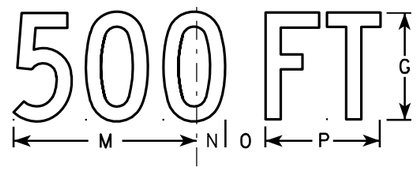
WISDOT/CADDS SHEET 42

7

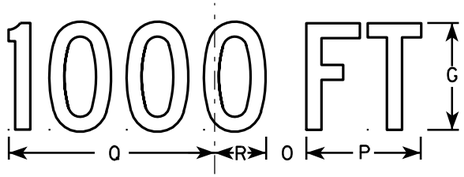
7



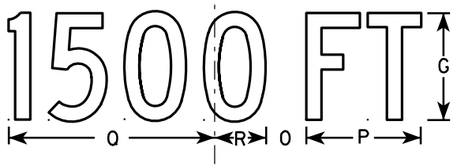
W20-2A



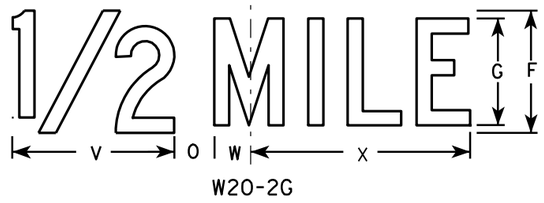
W20-2D



W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

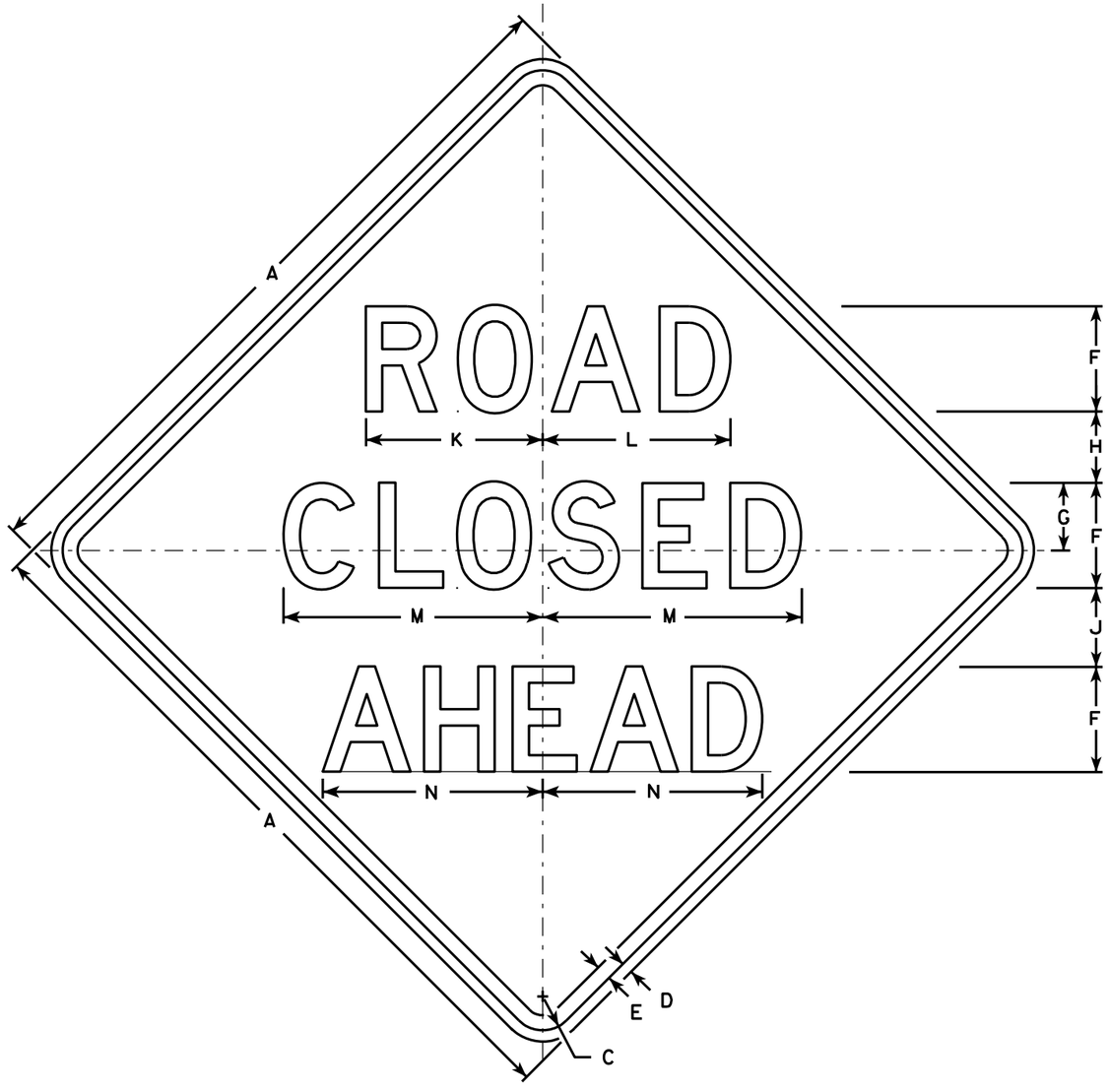
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

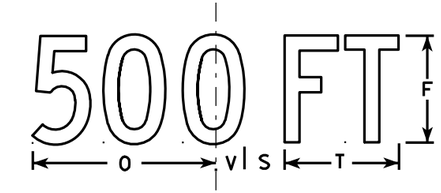
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 446 | E

7

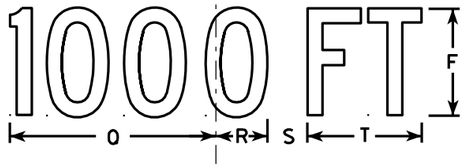
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W202.DGN PLOT DATE : 18-MAR-2011 10:00 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



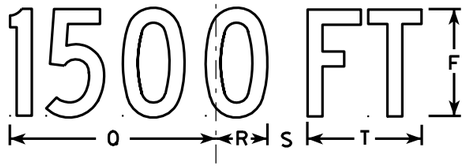
W20-3A



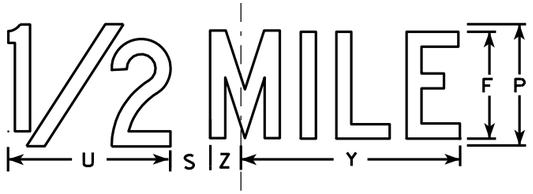
W20-3D



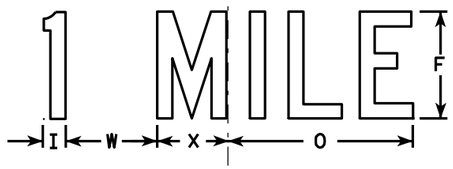
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

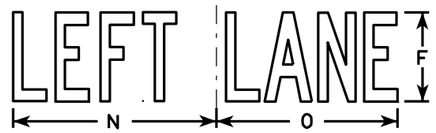
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

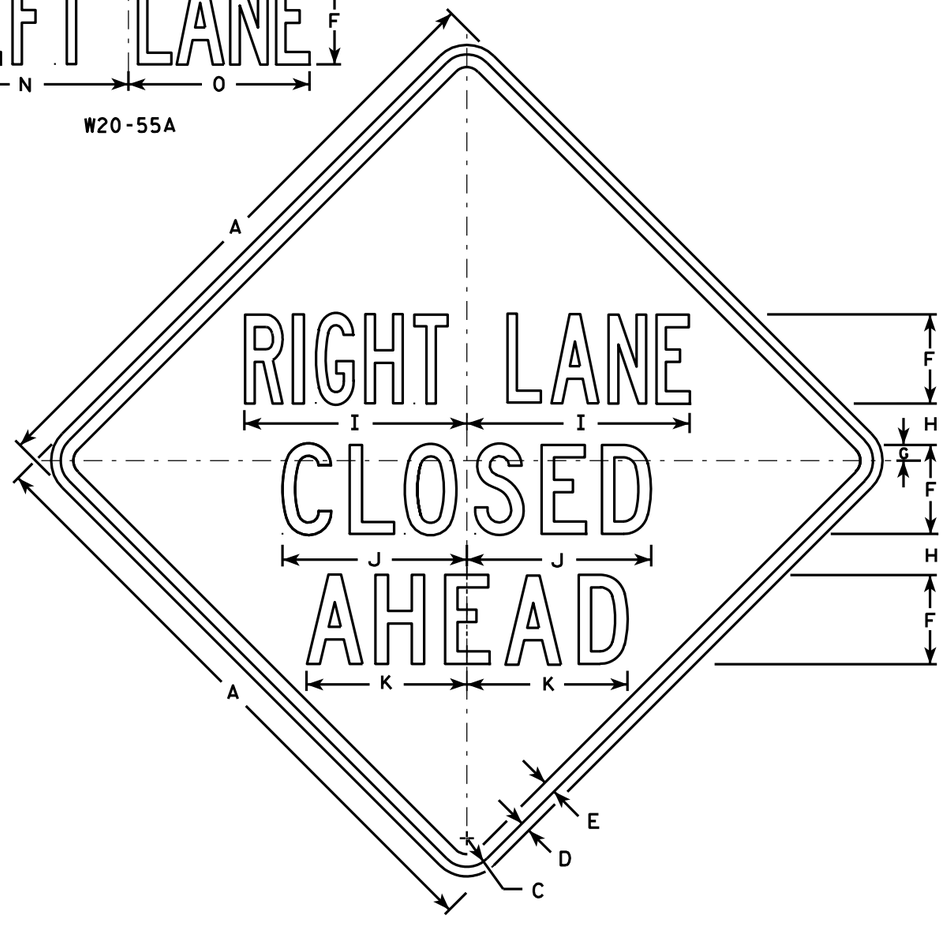
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 447 | E



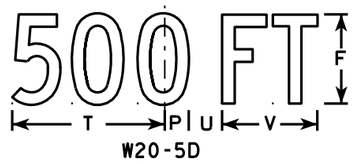
W20-56A



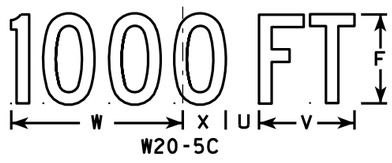
W20-55A



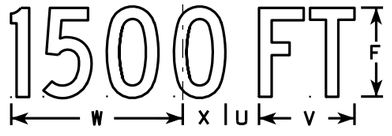
W20-5A



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

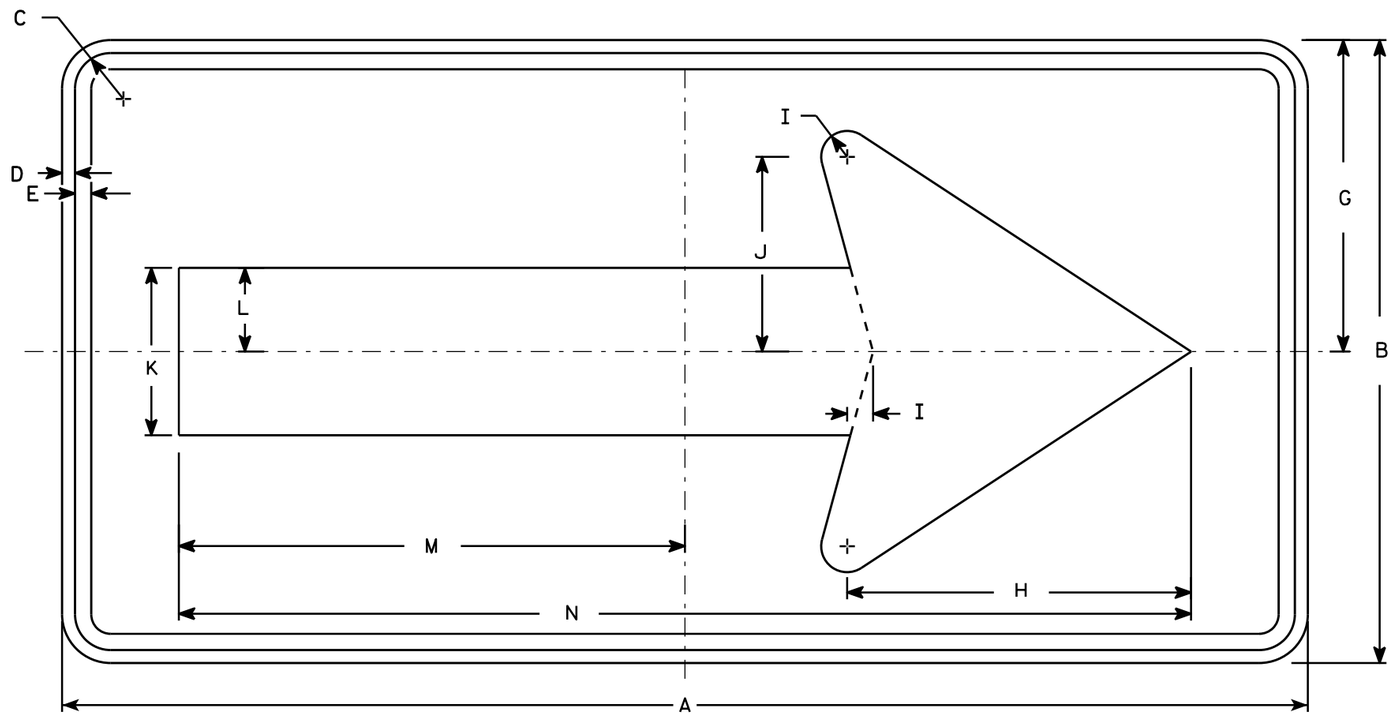
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 448 | 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



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

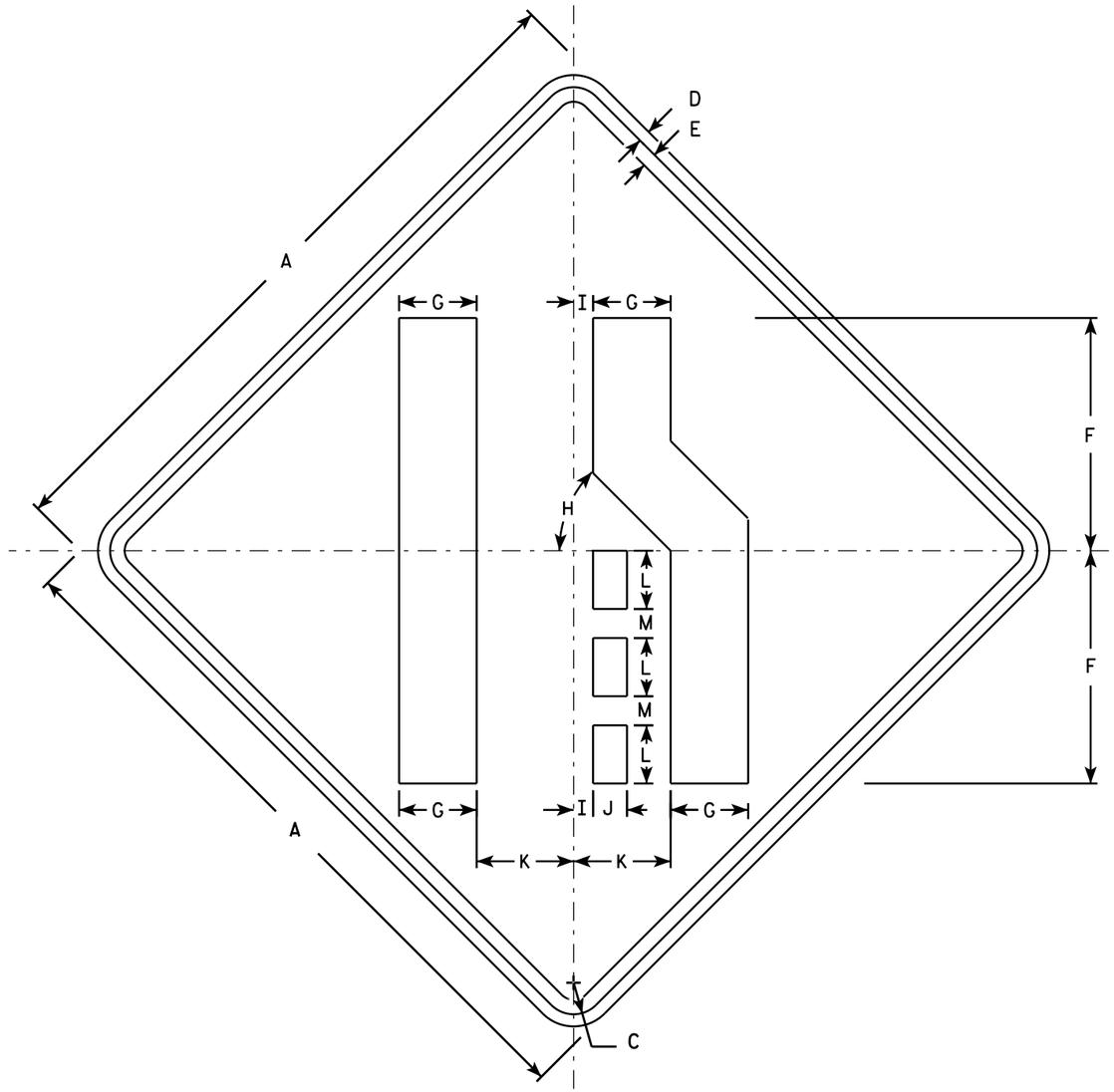
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE W01-6.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



W04-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W04-2

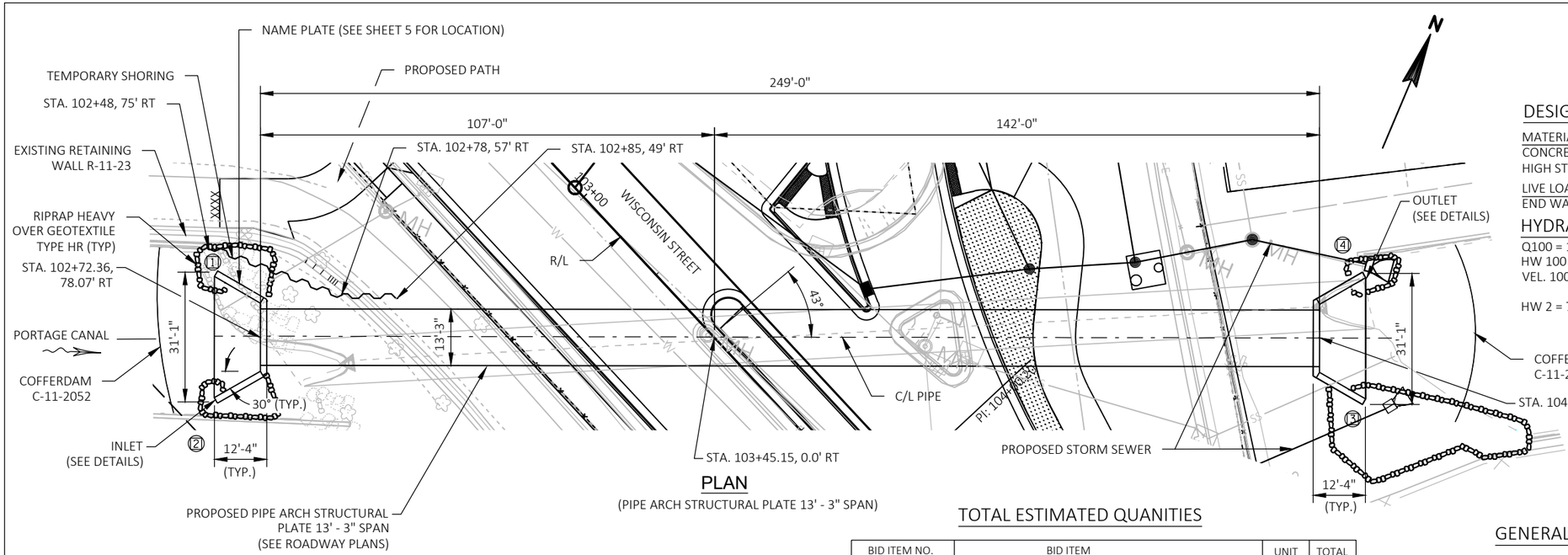
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 450 "W04-2.1

PROJECT NO: | SHEET NO: E

STATE PROJECT NUMBER
6918–01–72



PLAN

(PIPE ARCH STRUCTURAL PLATE 13' - 3" SPAN)

⑪ INDICATES WING NUMBER

DESIGN DATA

MATERIAL PROPERTIES:
CONCRETE MASONRY _____ f'c = 3,500 PSI
HIGH STRENGTH BAR STEEL REINFORCEMENT _____ fy = 60,000 PSI

LIVE LOAD
END WALLS DESIGNED WITH LIVE LOAD SURCHARGE OF 100 PSF

HYDRAULIC DATA

Q100 = 150 CFS
HW 100 = 783.78
VEL. 100 = 4.13 FPS

HW 2 = 783.00

LIST OF DRAWINGS

1. GENERAL PLAN
2. INLET/OUTLET DETAILS
3. REINFORCEMENT DETAILS
4. REINFORCEMENT DETAILS 2
5. AESTHETIC DETAILS
6. RAILING STEEL PEDESTRIAN TYPE C1
7. RAILING DETAILS

TOTAL ESTIMATED QUANITIES

BID ITEM NO.	BID ITEM	UNIT	TOTAL
206.2000	EXCAVATION FOR STRUCTURES CULVERTS C-11-2052	LS	1
206.5000	COFFERDAM C-11-2052	LS	1
210.2500	BACKFILL STRUCTURE TYPE B	TON	164
311.0110	BREAKER RUN	TON	61
504.0100	CONCRETE MASONRY CULVERTS	CY	74
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	1,100
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	2,600
511.1200	TEMPORARY SHORING C-11-2052	SF	520
513.8006	RAILING STEEL PEDESTRIAN TYPE C1	LF	88
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	15
517.1010.S	CONCRETE STAINING C-11-2052	SF	309
517.1015.S	CONCRETE STAINING MULTI-COLOR C-11-2052	SF	416
517.1050.S	ARCHITECTURAL SURFACE TREATMENT C-11-2052	SF	416
606.0300	RIPRAP HEAVY	CY	84
645.0105	GEOTEXTILE TYPE C	SY	487
645.0120	GEOTEXTILE TYPE HR	SY	193

NOTE: QUANTITIES INCLUDE INLET AND OUTLET APRON

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TO THE TOP OF THE WING WALLS WITHIN THE LENGTH OF CULVERT.

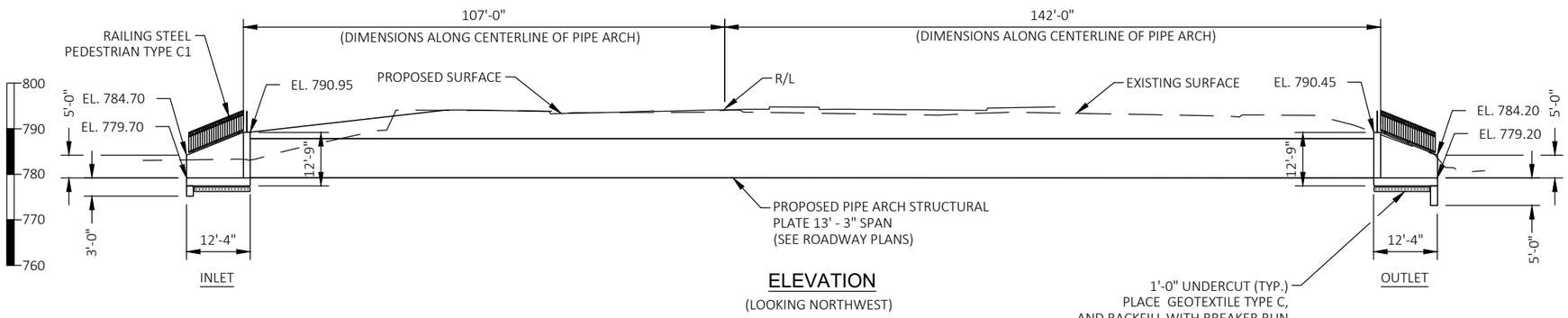
THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

PLACE A 18" (MIN.) WIDE SHEET OF RUBBERIZED MEMBRANE WATERPROOFING OVER ALL CONSTRUCTION JOINTS.

IN LIEU OF USING BREAKER RUN FOR THE APRON ENDWALL CONSTRUCTION PLATFORM, THE CONTRACTOR MAY ELECT TO SUBSTITUE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR THE BASE STABILITY WITH ANY SUBSTITUTED MATERIAL. THE REGION GEOTECHNICAL ENGINEER MAY BE CONTACTED TO DETERMINE IF "OTHER GRANULAR MATERIAL" IS ACCEPTABLE.

WISCONSIN
CHAD D. HALVERSON
E-34364
MADISON, WI
PROFESSIONAL ENGINEER

07-22-2020



ELEVATION

(LOOKING NORTHWEST)

BENCHMARK DATA

NO.	STATION	OFFSET	DESCRIPTION	ELEV.
BM 13	104+75.66 WI	76.4' LT	CUT SQ. CONC. BASE RAILING	792.79
BM 21	103+40.35 WI	54.9' RT	CUT SQ. COR. CONC. BASE METAL RAILING	794.25
CP 507	104+43.58 WI	81.2 LT	FENO	792.89

STRUCTURE DESIGN CONTACTS
BUREAU OF STRUCTURES:
AARON BONK (608) 261-0261
CONSULTANT:
CHAD HALVERSON (608) 663-1218

NO.	DATE	REVISION	BY

KL Engineering [A] Better Experience

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED SDR 08/25/20
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE C–11–2052

USH 51 OVER PORTAGE CANAL

COUNTY	TOWN/CITY/~~VILLAGE~~
COLUMBIA	PORTAGE

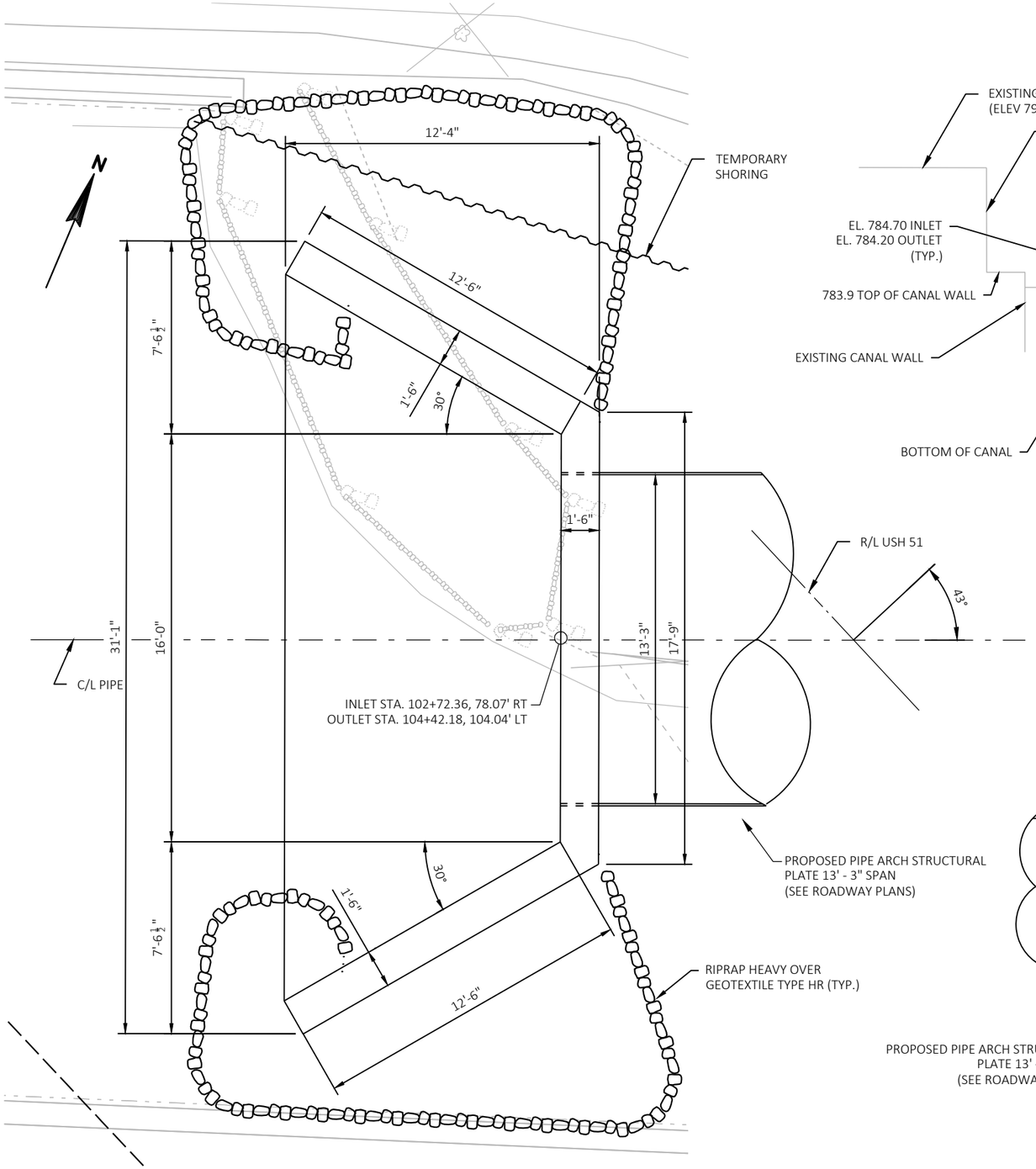
DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECS.

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
CDH	CAH	STD	CDH

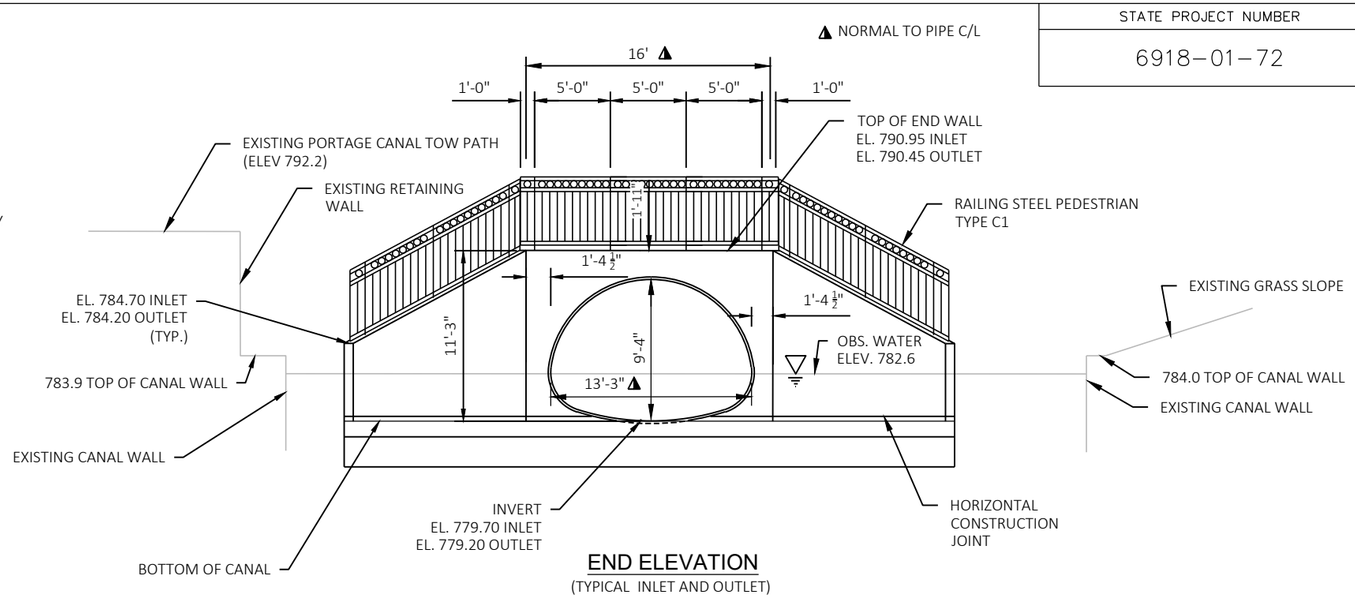
GENERAL PLAN

SHEET 1 OF 7
451

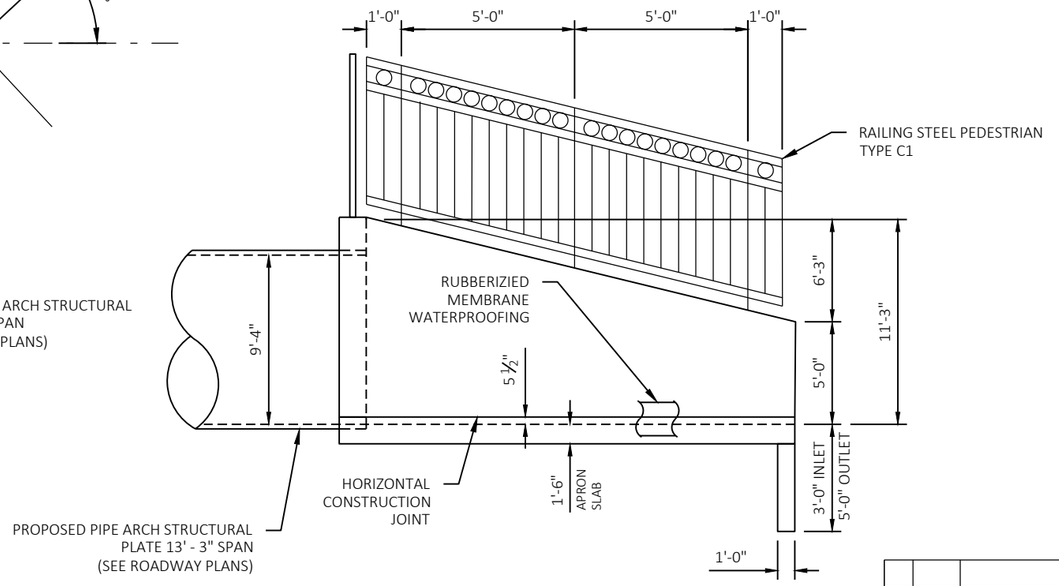
STATE PROJECT NUMBER
6918–01–72



APRON PLAN
(INLET SHOWN
OUTLET SIMILAR)



END ELEVATION
(TYPICAL INLET AND OUTLET)



SIDE ELEVATION
(TYPICAL INLET AND OUTLET)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C–11–2052

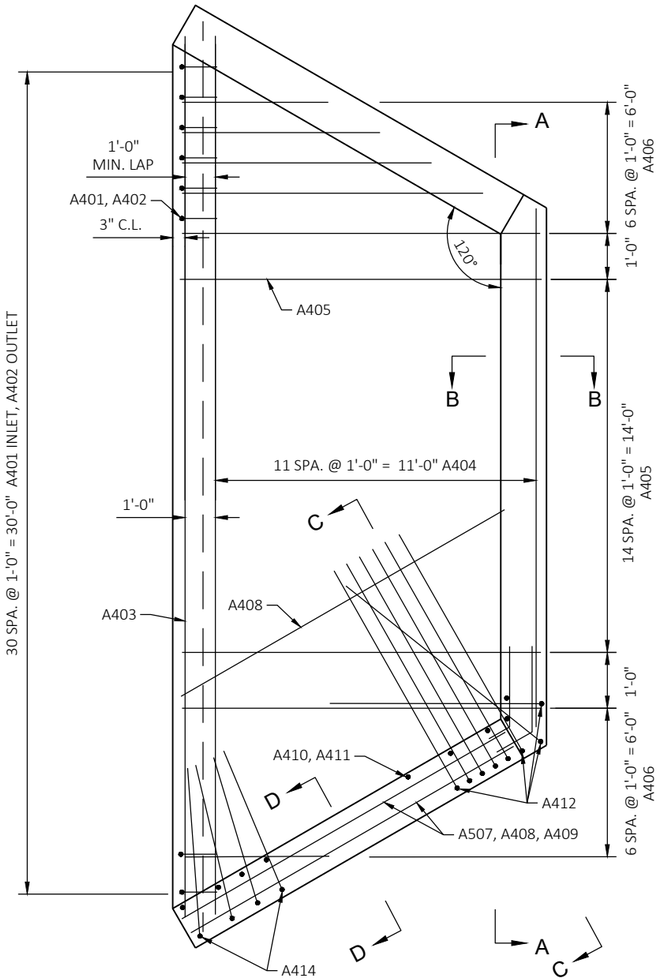
DRAWN BY STD | PLANS CK'D. CDH

INLET/OUTLET DETAILS

SHEET 2 OF 7
452

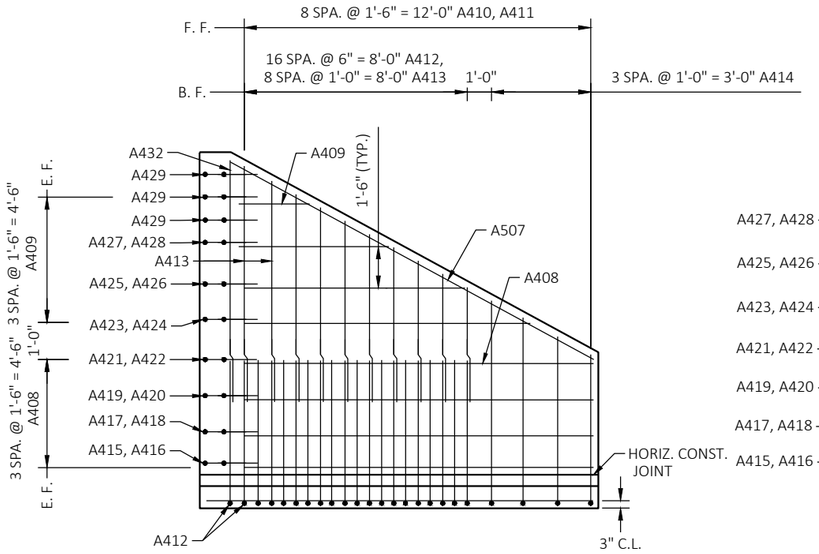
STATE PROJECT NUMBER

6918-01-72



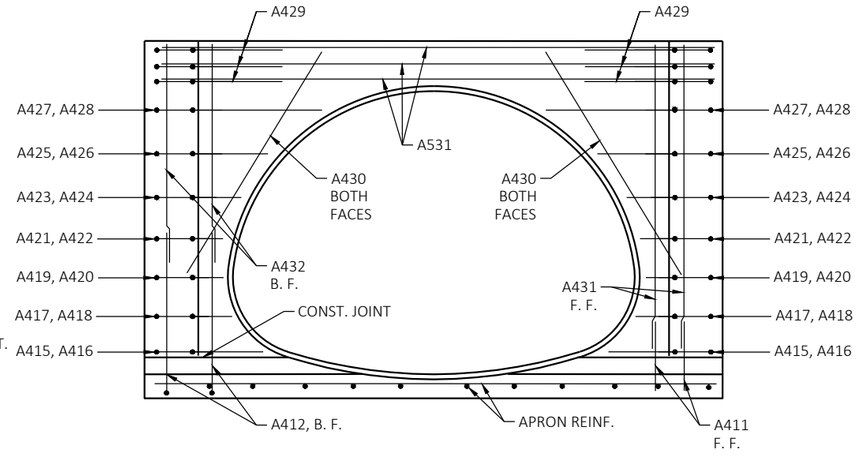
APRON PLAN

(TYP. INLET & OUTLET)



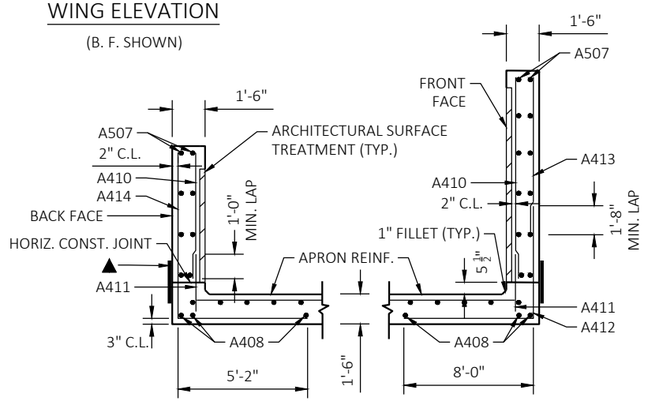
WING ELEVATION

(B. F. SHOWN)



SECTION A-A

HEADER WALL ELEVATION



SECTION D - D

SECTION C - C

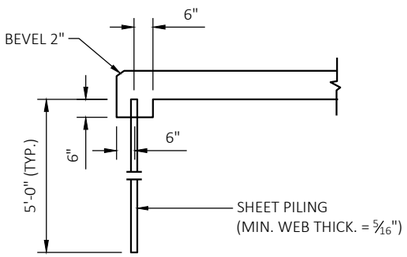
SECTION THRU WINGS

AT RIGHT ANGLES TO WING WALLS

SECTION B-B

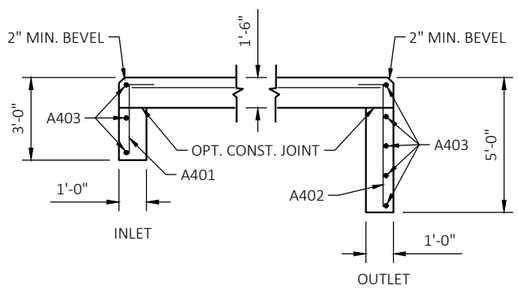
THRU HEADER WALL

▲ RUBBERIZIED MEMBRANE WATERPROOFING



ALTERNATE CUT-OFF WALL

THE ABOVE ALT. MAY BE USED IN LIEU OF THE CAST-IN-PLACE CONC. CUT-OFF WALLS. PAYMENT WILL BE BASED ON THE CONC. CUT-OFF WALL.



CUT-OFF WALLS

SECTION THRU WALLS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-11-2052

DRAWN BY STD | PLANS CK'D. CDH

REINFORCEMENT DETAILS

SHEET 3 OF 7

453

STATE PROJECT NUMBER

6918–01–72

BILL OF BARS

TOTAL COATED = 2,600 LBS
TOTAL UNCOATED = 1,100 LBS

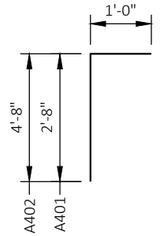
LENGTH SHOWN	NO. REQ'D. INLET	NO. REQ'D. OUTLET	LENGTH	COAT	BENT	BAR SERIES	LOCATION
A401	31	-	3'-7"		X		INLET CUT OFF WALL VERT.
A402	-	31	5'-7"		X		OUTLET CUT OFF WALL VERT
A403	3	5	28'-2"				CUT OFF WALL HORIZ.
A404	12	12	24'-1"			X	TRANSVERSE APRON
A405	15	15	11'-11"				LONGITUDINAL APRON
A406	14	14	7'-2"			X	LONGITUDINAL APRON
A507	4	4	13'-9"	X			TOP OF WINGS HORIZONTAL
A408	22	22	12'-4"	X			WING HORIZ. BOTTOM BOTH FACES
A409	16	16	6'-4"	X		X	WING HORIZ. TOP BOTH FACES
A410	18	18	7'-3"	X		X	WING VERT. FRONT FACE
A411	22	22	3'-2"	X			APRON DOWELS
A412	40	40	14'-5"	X	X		WING VERT. BOTTOM BACK FACE
A413	18	18	5'-10"	X		X	WING VERT. TOP BACK FACE
A414	8	8	12'-0"	X	X	X	WING VERT. BACK FACE
A415	2	2	5'-9"	X	X		HEADER WALL HORIZ. CORNER B.F.
A416	2	2	3'-11"	X	X		HEADER WALL HORIZ. CORNER F.F.
A417	2	2	4'-6"	X	X		HEADER WALL HORIZ. CORNER B.F.
A418	2	2	2'-8"	X	X		HEADER WALL HORIZ. CORNER F.F.
A419	2	2	4'-4"	X	X		HEADER WALL HORIZ. CORNER B.F.
A420	2	2	2'-6"	X	X		HEADER WALL HORIZ. CORNER F.F.
A421	2	2	4'-8"	X	X		HEADER WALL HORIZ. CORNER B.F.
A422	2	2	2'-10"	X	X		HEADER WALL HORIZ. CORNER F.F.
A423	2	2	5'-2"	X	X		HEADER WALL HORIZ. CORNER B.F.
A424	2	2	3'-4"	X	X		HEADER WALL HORIZ. CORNER F.F.
A425	2	2	6'-3"	X	X		HEADER WALL HORIZ. CORNER B.F.
A426	2	2	4'-5"	X	X		HEADER WALL HORIZ. CORNER F.F.
A427	2	2	8'-5"	X	X		HEADER WALL HORIZ. CORNER B.F.
A428	2	2	6'-7"	X	X		HEADER WALL HORIZ. CORNER F.F.
A429	12	12	5'-1"	X	X		HEADER WALL HORIZ. CORNER E.F.
A430	4	4	9'-6"	X			HEADER WALL ANGLED BOTH FACES
A531	6	6	15'-8"	X			HEADER HORIZ.
A432	6	6	7'-11"	X			END WALL VERT. CORNERS BACK FACE
A433	4	4	10'-5"	X			END WALL VERT. CORNERS FRONT FACE

NOTE: LENGTH SHOWN FOR ANY BAR IN A BAR SERIES IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

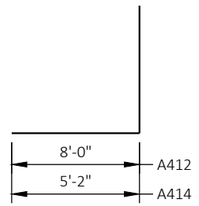
BAR SERIES TABLE

MARK	NO. REQ'D.	LENGTH
A404	2 SERIES OF 12	17' - 5" TO 30' - 9"
A406	4 SERIES OF 7	2' - 4" TO 11' - 11"
A409	8 SERIES OF 4	1' - 10" TO 10' - 10"
A410	4 SERIES OF 9	4' - 4" TO 10' - 3"
A413	4 SERIES OF 9	3' - 10" TO 7' - 11"
A414	4 SERIES OF 4	11' - 3" TO 12' - 9"

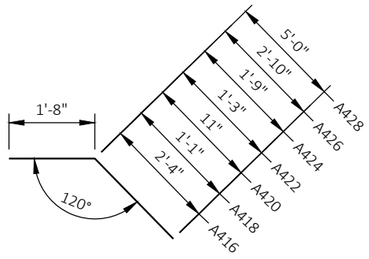
BUNDLE AND TAG EACH SERIES SEPARATELY.



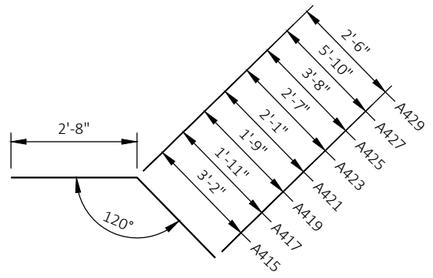
A401, A402



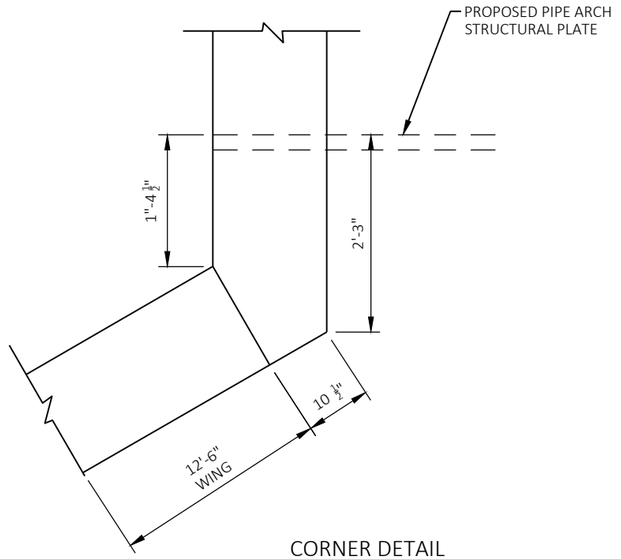
A412, A414



A416, A418, A420, A422, A424, A426, A428



A415, A417, A419, A421, A423, A425, A427, A429



CORNER DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C–11–2052

DRAWN BY STD | PLANS CK'D. CDH

REINFORCEMENT DETAILS 2

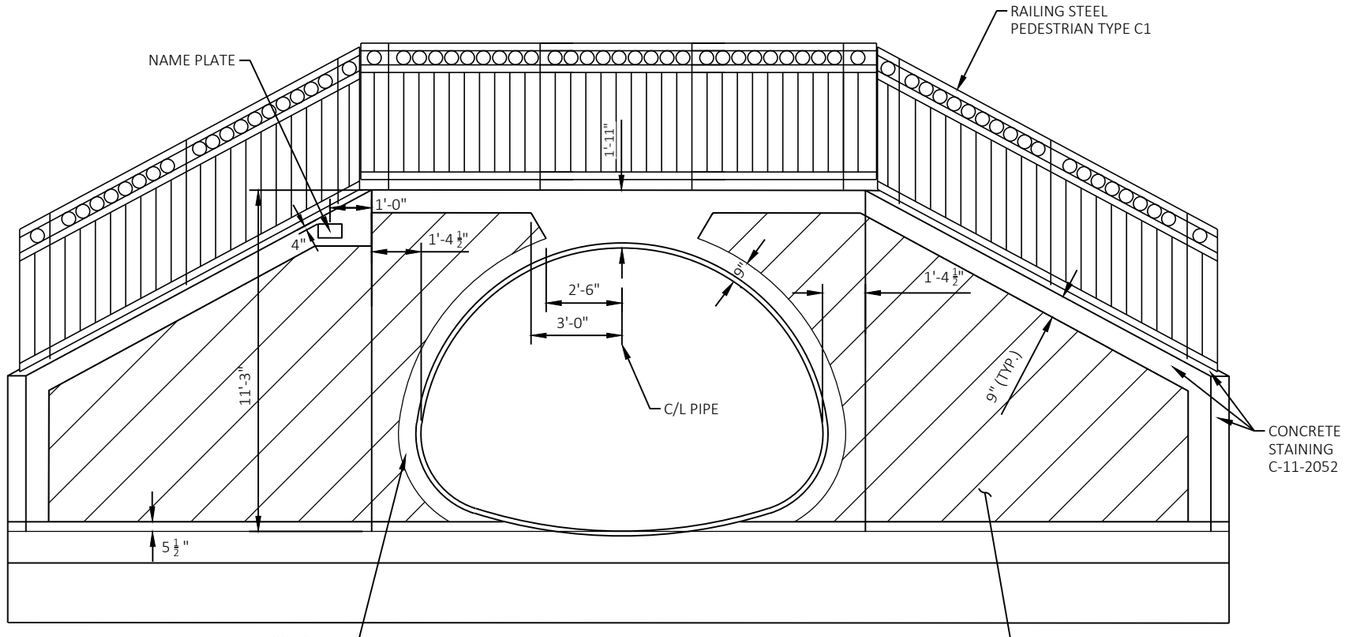
SHEET 4 OF 7

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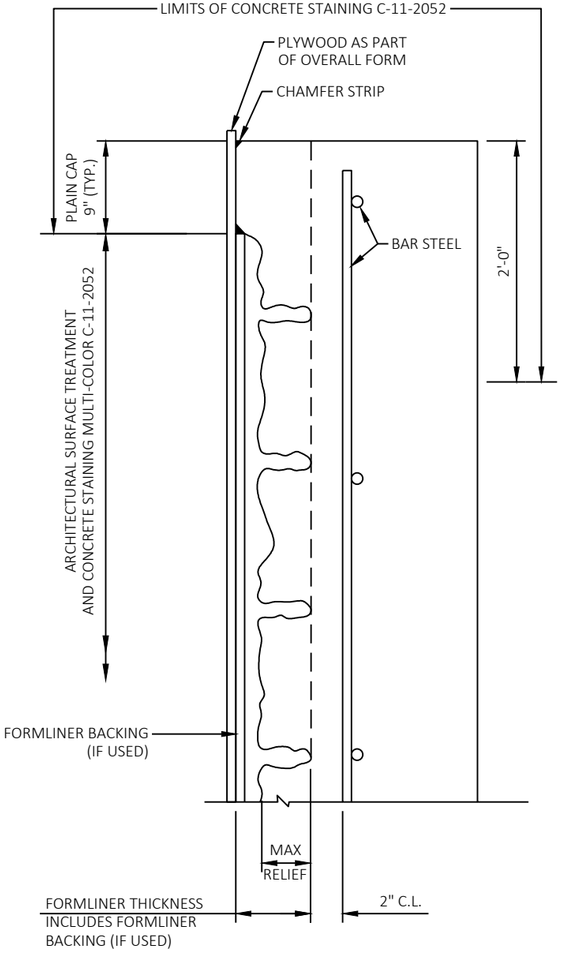
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08

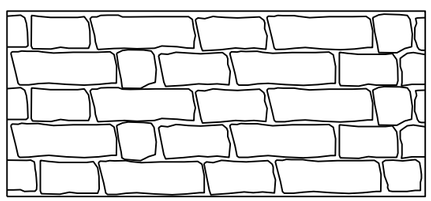
STATE PROJECT NUMBER
6918–01–72



END ELEVATION



SECTION THRU FORMLINER



RECTANGULAR CUT STONE

FORMLINER THICKNESS = 4" TO 5 ½"
COURSE HEIGHT = 1'-0" ±
MAX RELIEF = 3" TO 4 ½"

ENDWALL NOTES

FORMLINER COURSING ON ENDWALLS AND WINGS SHALL BE LEVEL.

THE FORMLINER COURSING ON THE WINGS SHALL BE VERTICALLY ALIGNED WITH THE FORMLINER COURSING ON THE FRONT OF THE ENDWALLS.

WRAP AROUND/MATCH FORMLINER PATTERN AT CORNERS.

CONCRETE STAINING MULTI-COLOR C-11-2052 COLORS SHALL MATCH EXISTING BLOCKS FOR RETAINING WALL R-11-23. PROVIDE SAMPLE FOR APPROVAL BY FIELD ENGINEER.

CONCRETE STAINING C-11-2052 COLOR SHALL BE AMS STD. COLOR 26493, LIGHT GREY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C–11–2052

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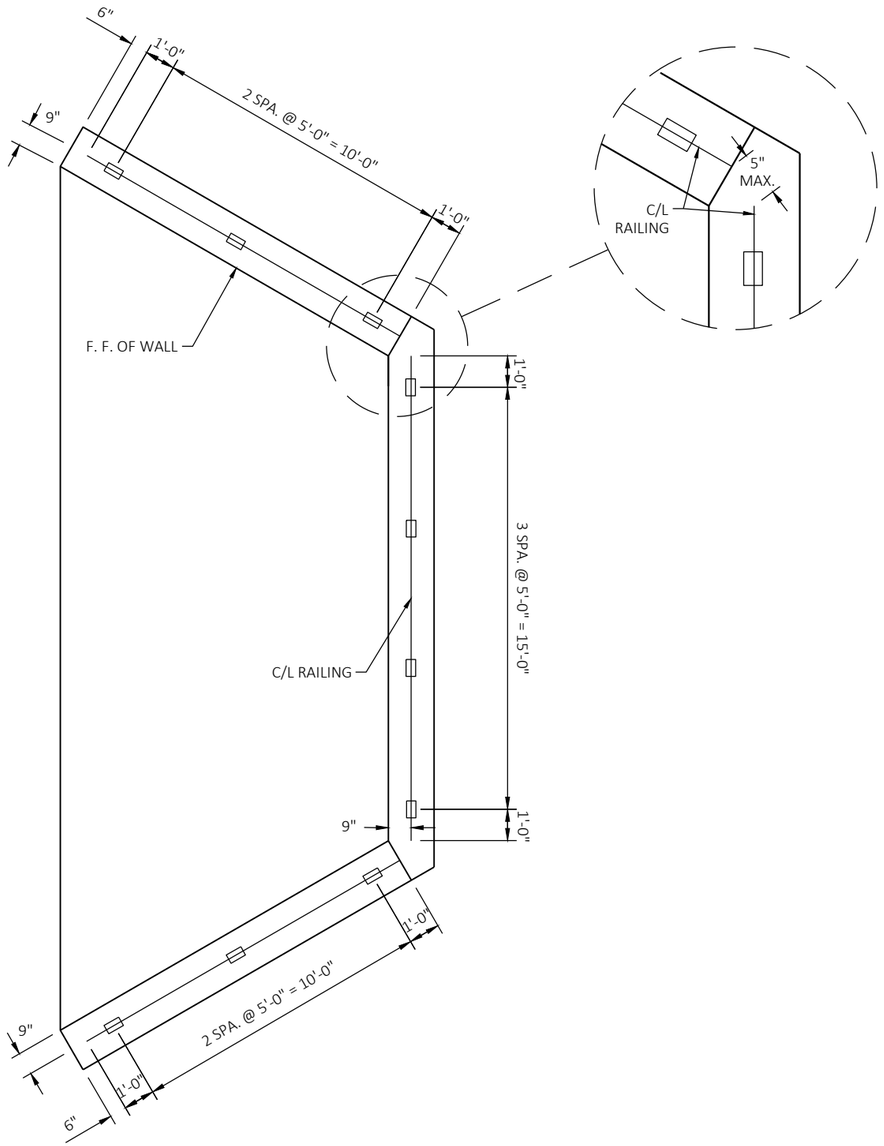
AESTHETIC DETAILS

SHEET 5 OF 7
455

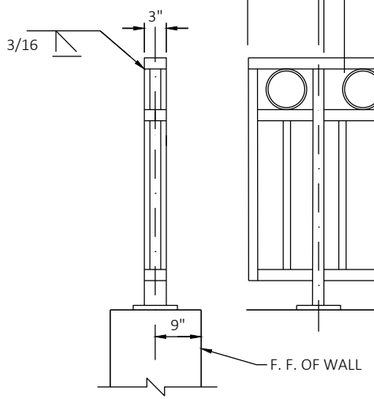
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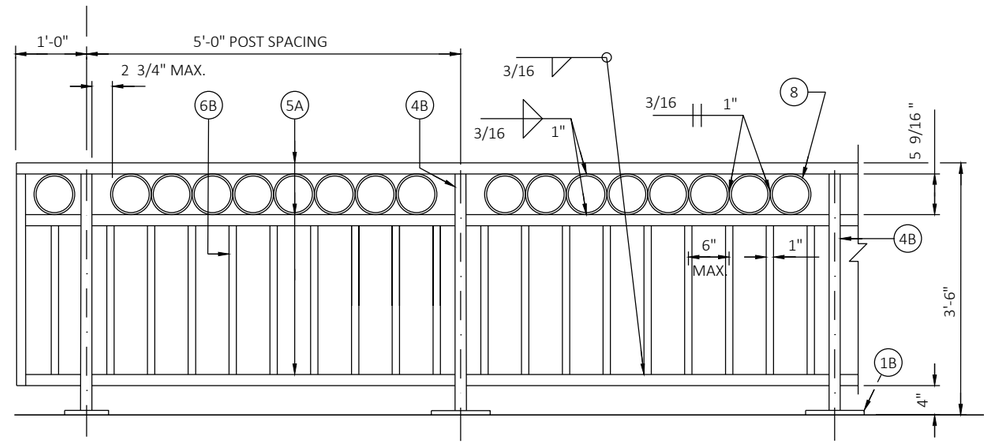
STATE PROJECT NUMBER
6918–01–72



RAILING PLAN



RAILING SECTION



RAILING ELEVATION

NOTE:

REFERENCE SHEET 7 FOR ADDITIONAL RAIL DETAILS.

ALL RAIL POST SPACINGS ARE ALONG HORIZONTAL.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C–11–2052

DRAWN BY STD | PLANS CK'D. CDH

RAILING STEEL
PEDESTRIAN
TYPE C1

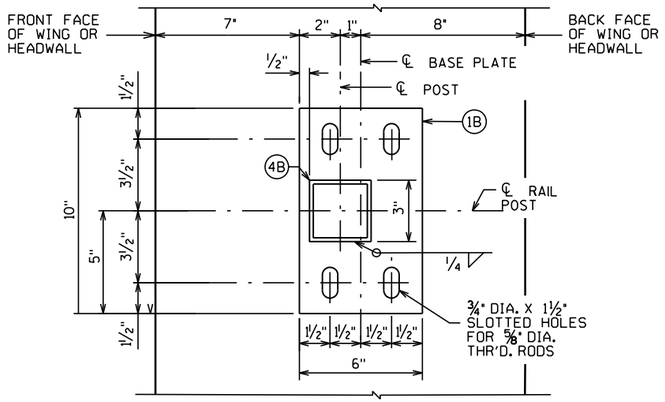
SHEET 6 OF 7
456

8

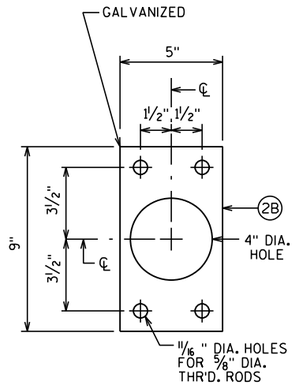
8

STATE PROJECT NUMBER

6918-01-72



TYPICAL RAIL POST BASE PLATE



ANCHOR PLATE

LEGEND

(1B) PLATE 5/8" X 6" X 10" WITH 3/4" X 1 1/2" SLOTTED HOLES.

(2B) 1/4" X 5" X 9" ANCHOR PLATE WITH 11/16" DIA. HOLES FOR THR'D. RODS NO. 3.

(3) 5/8" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS 5/8-INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. EMBED 5" IN CONCRETE FOR END RAILS. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 AND 502.3.14 OF THE STANDARD SPECIFICATIONS.

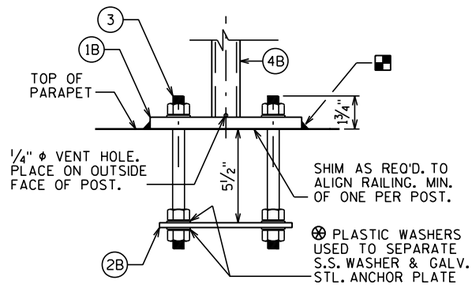
(4B) STRUCTURAL TUBING 3" X 3" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.

(5A) STRUCTURAL TUBING 3" X 1 1/2" X 3/16" RAILS. WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

(6B) BAR 1" X 1 1/2" PICKETS. WELD TO NO. 5. (SPACE AT 6" MAX. ` TO ` SPACING) PLACE VERTICAL.

(8) STRUCTURAL TUBING 5" DIA. (STANDARD SIZE) (5.563" O.D.) 1 1/2" LONG SLICES. WELD TO NO. 5A.

(9A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. PROVIDE "SLIDING FIT".

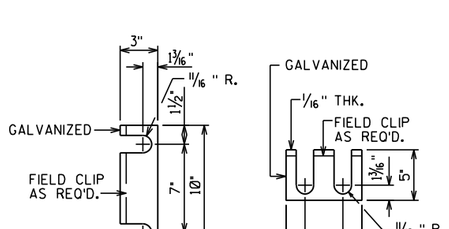


ANCHORAGE FOR RAIL POSTS

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.

SHOP RAIL SPLICE DETAIL

(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



RAIL POST SHIM DETAIL

(2 SETS PER POST)

RAILING NOTES

BID ITEM SHALL BE "RAILING STEEL PEDESTRIAN TYPE C1", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

◪ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

ALL MATERIAL (EXCEPT NO. 3) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STD. COLOR NO. 27038, BLACK.

VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-11-2052

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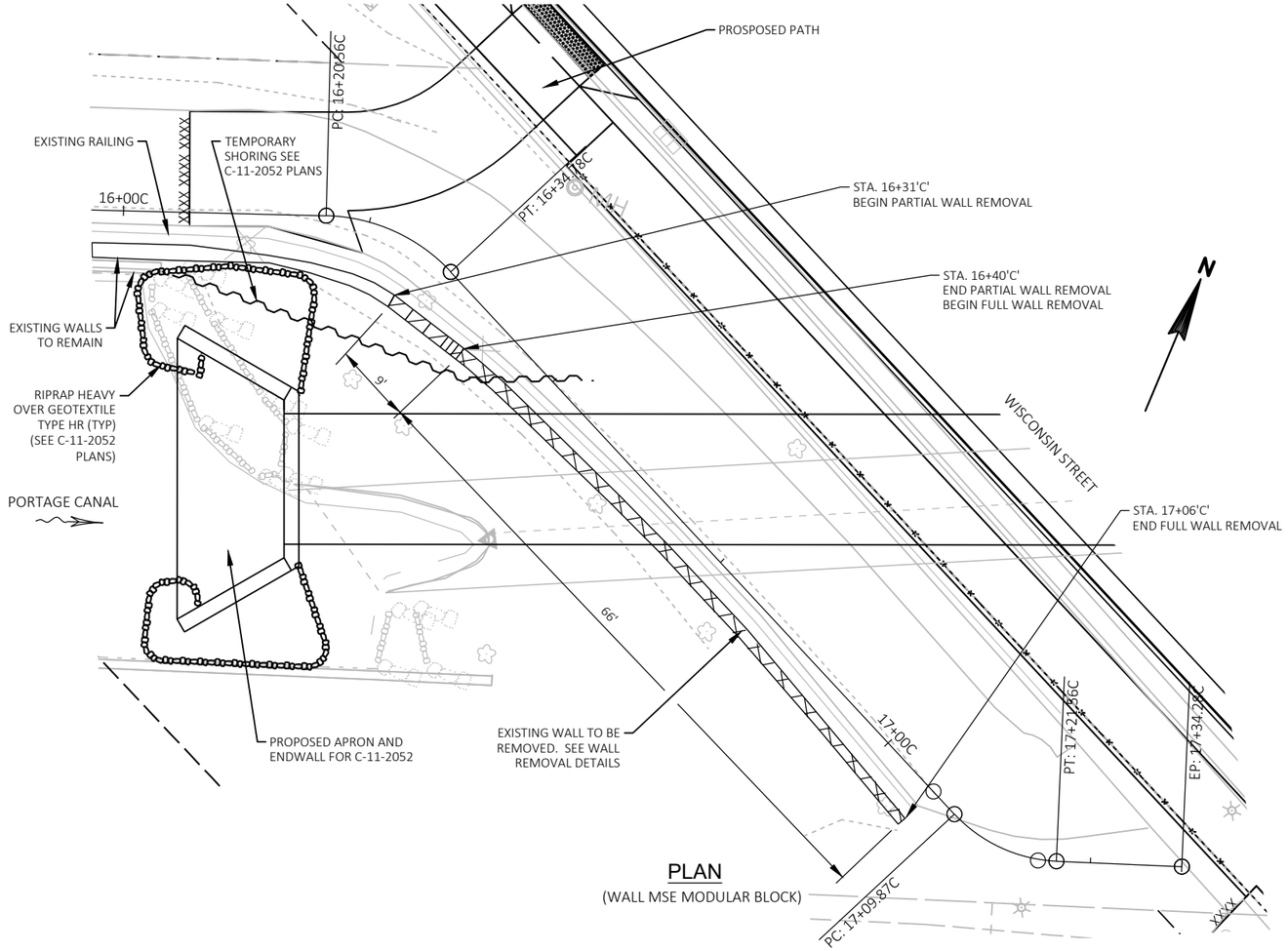
RAILING DETAILS

SHEET 7 OF 7

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SCALE = 1.000

STATE PROJECT NUMBER
6918–01–72



PLAN

(WALL MSE MODULAR BLOCK)

GEOMETRY TABLE

STATION	OFFSET * TO F.F. OF WALL	ELEV. A	ELEV. B
15+96'C'	3.29' RT	792.05	783.76
16+03'C'	4.88' RT	792.05	783.76
16+14'C'	4.92' RT	792.75	786.42
16+20'C'	6.04' RT	792.75	789.59
16+28'C'	6.88' RT	792.75	790.75
16+31'C'	6.89' RT	792.75	790.87
16+37.3'C'	5.96' RT	791.41	791.20

* OFFSET REFERENCED TO THE 'C' R/L AND THE F.F. OF WALL AT THE BASE.

DESIGN DATA

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE THE WALL LOCATIONS, LENGTHS, HEIGHTS AND DETAILS BASED ON EXISTING WALL PLANS AND SHOP DRAWINGS.

THE RETAINING WALL IS TO BE REMOVED AND FINISH GRADED USING THE ELEVATIONS GIVEN ON THIS STREET.

EXISTING CAP BLOCKS TO BE REMOVED AND RESET FOR PROPOSED END OF WALL.

CUT OFF AND CAP EXISTING UNDERDRAIN AT LIMITS OF WALL REMOVAL.

TOTAL ESTIMATED QUANITIES

BID ITEM NO.	BID ITEM	UNIT	TOTAL
203.0200	REMOVING OLD STRUCTURE (16+50'C')	LS	1
SPV.105.01	CAP BLOCKS SALVAGE AND REINSTALL	LS	1

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

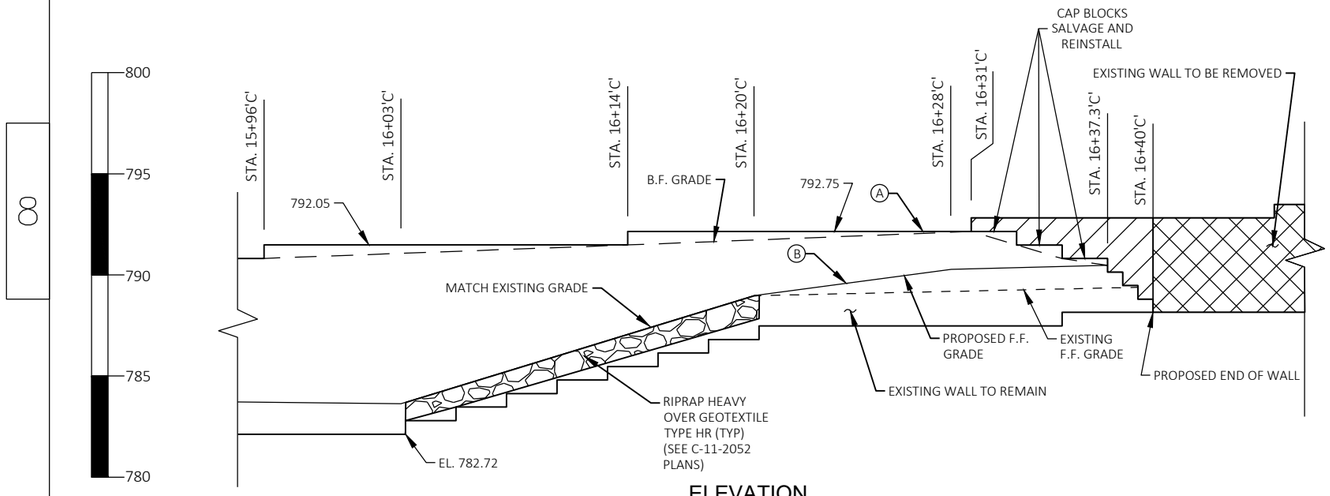
F.F. = FRONT FACE
B.F. = BACK FACE

WISCONSIN
CHAD D. HALVERSON
E-34364
MADISON, WI
PROFESSIONAL ENGINEER

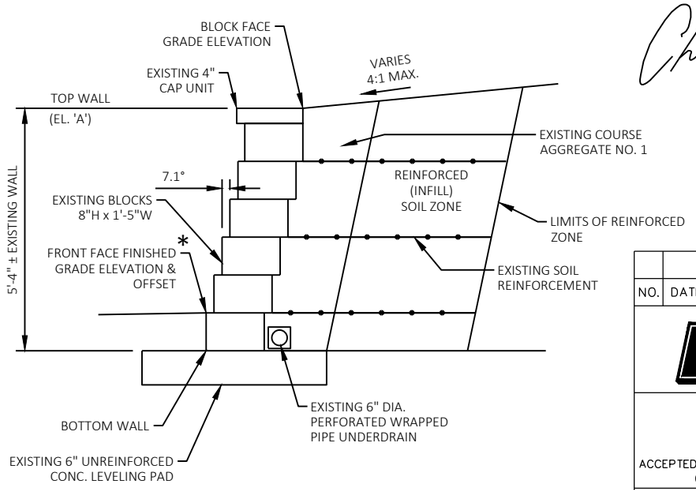
07-21-2020

LIST OF DRAWINGS

1. GENERAL PLAN
2. WALL REMOVAL DETAILS



ELEVATION



EXISTING TYPICAL CROSS SECTION OF RETAINING WALL

NO.	DATE	REVISION	BY

KL Engineering
[A] Better Experience

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED SDR 09/22/20
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R–11–23

RETAINING WALL ALONG PORTAGE CANAL

COUNTY	~~TOWN~~/CITY/~~VILLAGE~~
COLUMBIA	PORTAGE

DESIGN SPEC. REHABILITATION N/A

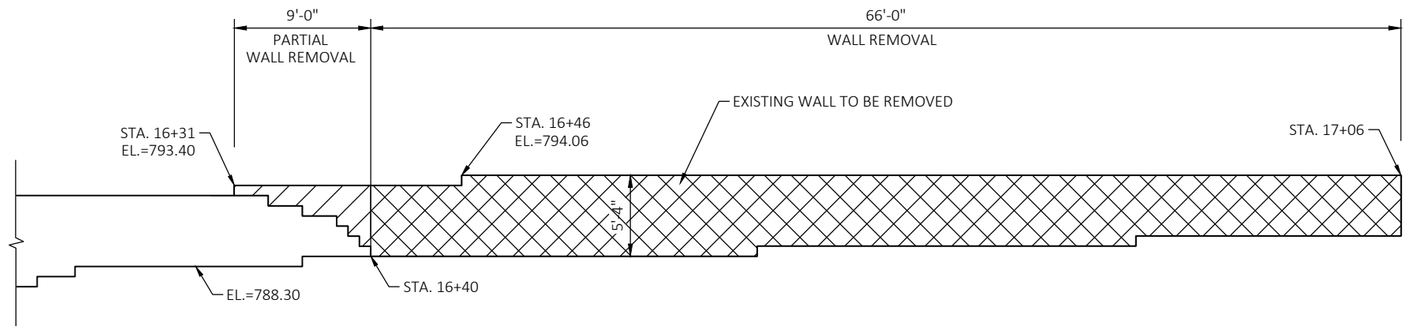
DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
CDH	CAH	STD	CDH

GENERAL PLAN

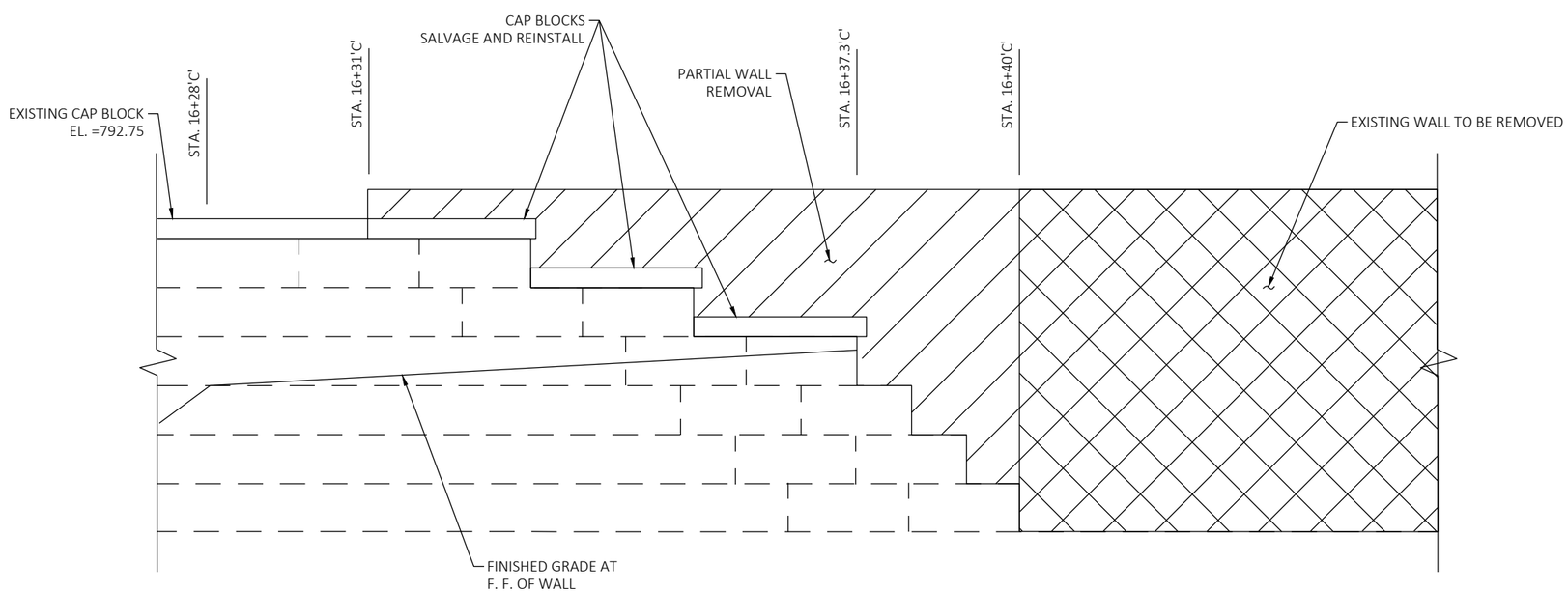
SHEET 1 OF 2
458

STRUCTURE DESIGN CONTACTS
BUREAU OF STRUCTURES:
AARON BONK (608) 261-0261
CONSULTANT:
CHAD HALVERSON (608) 663-1218

STATE PROJECT NUMBER
6918–01–72



WALL REMOVAL ELEVATION



REMOVAL DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R–11–23

DRAWN BY STD | PLANS CK'D. CDH

WALL REMOVAL DETAILS

SHEET 2 OF 2
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STATE PROJECT NUMBER

6918-01-72

STRUCTURE DATA

SIGN STR	ACTUAL SIGN AREA	ACTUAL SIGN HEIGHT	STANDARD FND TYPE
S-11-31	46 SF	5'-9"	TC III

DESIGN DATA

CONTRACTOR DESIGNED OVERHEAD SIGN STRUCTURES SHALL BE DESIGNED ACCORDING TO THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 1ST EDITION AND INTERIM SPECIFICATIONS, AND THE WISDOT BRIDGE MANUAL.

STANDARD FOUNDATIONS ARE DESIGNED ACCORDING TO THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION.

DEAD LOAD: WT. OF SIGN AND SUPPORTING STRUCTURE.
ICE LOAD: 3 PSF TO ONE FACE OF SIGN & AROUND SURFACE OF MEMBERS.
WIND PRESSURE: 115 MPH (3-SEC. GUST SPEED) TO SIGN AREA & EXPOSED MEMBERS. (700 YEAR MEAN RECURRENCE INTERVAL)

WIND COMPONENTS	NORMAL	TRANSVERSE
LOAD CASE 1:	1.0	0.0
LOAD CASE 2:	0.0	1.0
LOAD CASE 3:	0.75	0.75

LOAD COMBINATIONS

STRENGTH I:	1.25 DC + 1.6 LL
EXTREME I (MAX DC):	1.1 DC + 1.0 W + 1.0 ICE
EXTERME I (MIN DC):	0.9 DC + 1.0 W
SERVICE I:	1.0 DC + 1.0 W
FATIGUE I:	1.0 NWG (NATURAL WIND GUST VIBRATION)
	1.0 TRG (TRUCK INDUCED GUST VIBRATION)
	1.0 GVW (GALLOPING - CANTILEVER ONLY)

MATERIAL PROPERTIES

CONCRETE MASONRY..... f'c = 3,500 psi

HIGH STRENGTH STEEL
REINFORCEMENT, GRADE 60.....fy = 60,000 psi

HIGH STRENGTH BOLTS - A325.....fy = 92,000 psi

ANCHOR RODS - ASTM F1554 GRADE 55.....fy = 55,000 psi

HEAVY HEX NUTS FOR ANCHOR RODS - ASTM A563A

WASHERS FOR ANCHOR RODS - ASTM F436

FOUNDATION DATA

SIGN STRUCTURE FOUNDATIONS ARE SUPPORTED ON DRILLED SHAFTS THAT HAVE BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 24° (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 750 PSF (COHESIVE SOILS) AND A UNIT WEIGHT OF 125 PCF. THE GROUND WATER TABLE IS ASSUMED TO BE AT A DEPTH OF 10'-0" BELOW THE GROUND SURFACE. THE REGION GEOTECHNICAL ENGINEER SHALL VISUALLY INSPECT THE SUBSURFACE SOILS DURING DRILLING OF THE SHAFT HOLE TO CONFIRM THESE PROPERTIES PRIOR TO PLACEMENT OF THE DRILLED SHAFT CONCRETE.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), COLUMBIA COUNTY, NAD 83 (2011). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1998 (NAVD 88 2012).

ALL REINFORCING BARS ARE IN ENGLISH UNITS. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

SIGN BRIDGE ID PLAQUES SHALL BE CONSIDERED INCIDENTAL TO THE TRUSS OR MONOTUBE BID ITEMS FOR EACH APPLICABLE SIGN STRUCTURE IN THE PLAN SET. LOCATE THE ID PLAQUE ON THE FREEWAY SIDE OF THE SUPPORT COLUMN SO THAT IT CAN BE SEEN FROM THE ROADWAY. FABRICATE AND INSTALL THE ID PLAQUE IN ACCORDANCE WITH S.D.D. 12 A 4-3.

UNLESS DETAILED OTHERWISE IN THE PLANS, ALL H.S. BOLTED CONNECTIONS SHALL BE MADE WITH ¾" DIA A325 GALVANIZED BOLTS. FIELD CONNECTIONS SHALL BE INSTALLED WITH DTI WASHERS.

WELDED CONNECTIONS CAN BE USED IN LIEU OF BOLTED CONNECTIONS, IF A TRUSS UNIT CAN BE GALVANIZED IN ONE PIECE.

WELD TEST AS PER AWS D1.1.

SEE SIGN PLATE NO. A4-6, A4-7A & A4-7B OF THE SIGN PLATE MANUAL FOR INSTRUCTIONS ON CENTERING SIGNS VERTICALLY ON THE TRUSS.

SIGNS OR BLANKS SHALL BE INSTALLED ON TRUSS AT TIME OF ERECTION. BLANKS SHALL BE 1/4 THE LENGTH OF THE CANTILEVER SPAN, 2'-0" DEEPER THAN THE C/L TO C/L OF CHORDS, AND SHALL BE CENTERED ON THE BRIDGE. SIGNS SHALL BE AS DESIGNATED ON THE PLANS.

THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION OF THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PER THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS PRIOR TO FABRICATION OF THE STRUCTURE. CONTRACTOR SHALL SHOW SIGNS ON SHOP DRAWINGS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DRILLING OR EXCAVATING AND MAINTAINING A STABLE AND OPEN HOLE FOR SUBSEQUENT INSTALLATION OF CONCRETE MASONRY FOR THE DRILLED SHAFTS. PARTIAL OR FULL DEPTH TEMPORARY CASING MAY BE REQUIRED TO MAINTAIN THE STABILITY OF THE EXCAVATED HOLE FOR THE SIGN SUPPORT PRIOR TO FILLING THE HOLE WITH CONCRETE. PERMANENT CASING MADE FROM STEEL OR CORRUGATED METAL PIPE MAY BE USED IN LIEU OF TEMPORARY CASING. TEMPORARY/PERMANENT CASING, IF USED, SHALL BE INCIDENTAL TO THE BID ITEM "DRILLING SHAFT 48-INCH".

TRAFFIC VOLUME

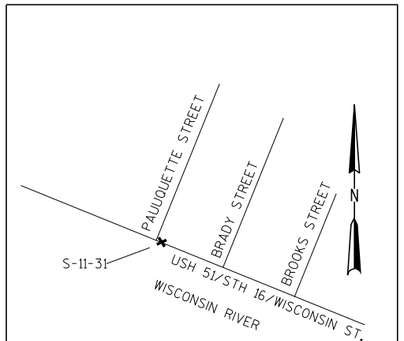
A.D.T. (2041) = 15,500
R.D.S. = 35 MPH

LIST OF DRAWINGS

1. GENERAL NOTES & DESIGN DATA
2. GENERAL LAYOUT S-11-31

LIST OF OSS STANDARD DESIGN DRAWINGS

3. I. MONOTUBE & 2-CHORD TRUSS DETAILS 1
4. II. MONOTUBE & 2-CHORD TRUSS DETAILS 2
5. III. 2-CHORD TRUSS STANDARD ELECTRICAL DETAILS
6. IV. MONOTUBE & 2-CHORD TRUSS FOUNDATION DETAILS



LOCATION MAP

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	BID ITEMS	UNIT	S-11-31
531.2048	DRILLING SHAFT 48-INCH	LF	23
531.5330	FOUNDATION SINGLE-SHAFT TYPE TC-III S-11-31	EACH	1
532.5330	TRUSS CANTILEVER 2-CHORD TYPE III S-11-31	EACH	1

STRUCTURE DESIGN CONTACTS

BUREAU OF STRUCTURES:
AARON BONK (608) 261-0261

CONSULTANT:
JEDIDIAH MUNROE (608) 204-0909
JT ENGINEERING, INC.

THE DESIGNER CERTIFIES THAT THE SIGN STRUCTURE GEOMETRY AND STANDARD FOUNDATION CHOSEN ARE CONSISTENT WITH THE GUIDANCE PROVIDED IN THE CURRENT WISCONSIN BRIDGE MANUAL CHAPTER 39.

WISCONSIN
JEDIDIAH J. MUNROE
PE-39156
MADISON, WI
PROFESSIONAL ENGINEER

7/20/2020

NO.	DATE	REVISION	BY

JT ENGINEERING, INC Consultant Services

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED SDR 09/22/20
CHIEF STRUCTURES DESIGN ENGINEER DATE

OSS MONOTUBE PLANS

OVER USH 51 NB

COUNTY	CITY
COLUMBIA	PORTAGE

DESIGN SPEC.
AASHTO LRFDLTS-1 W/ INTERIMS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
JJM	VJD	JJM	VJD

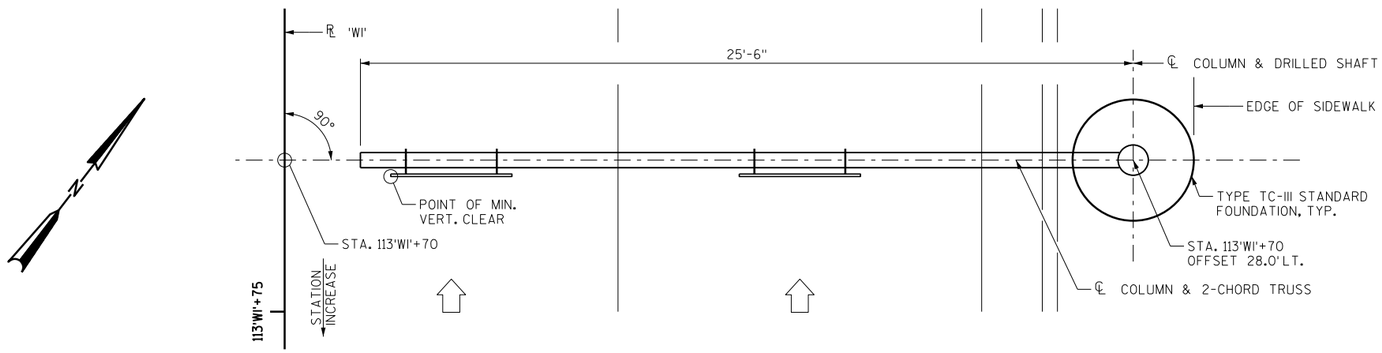
GENERAL NOTES & DESIGN DATA

SHEET 1 OF 2
460

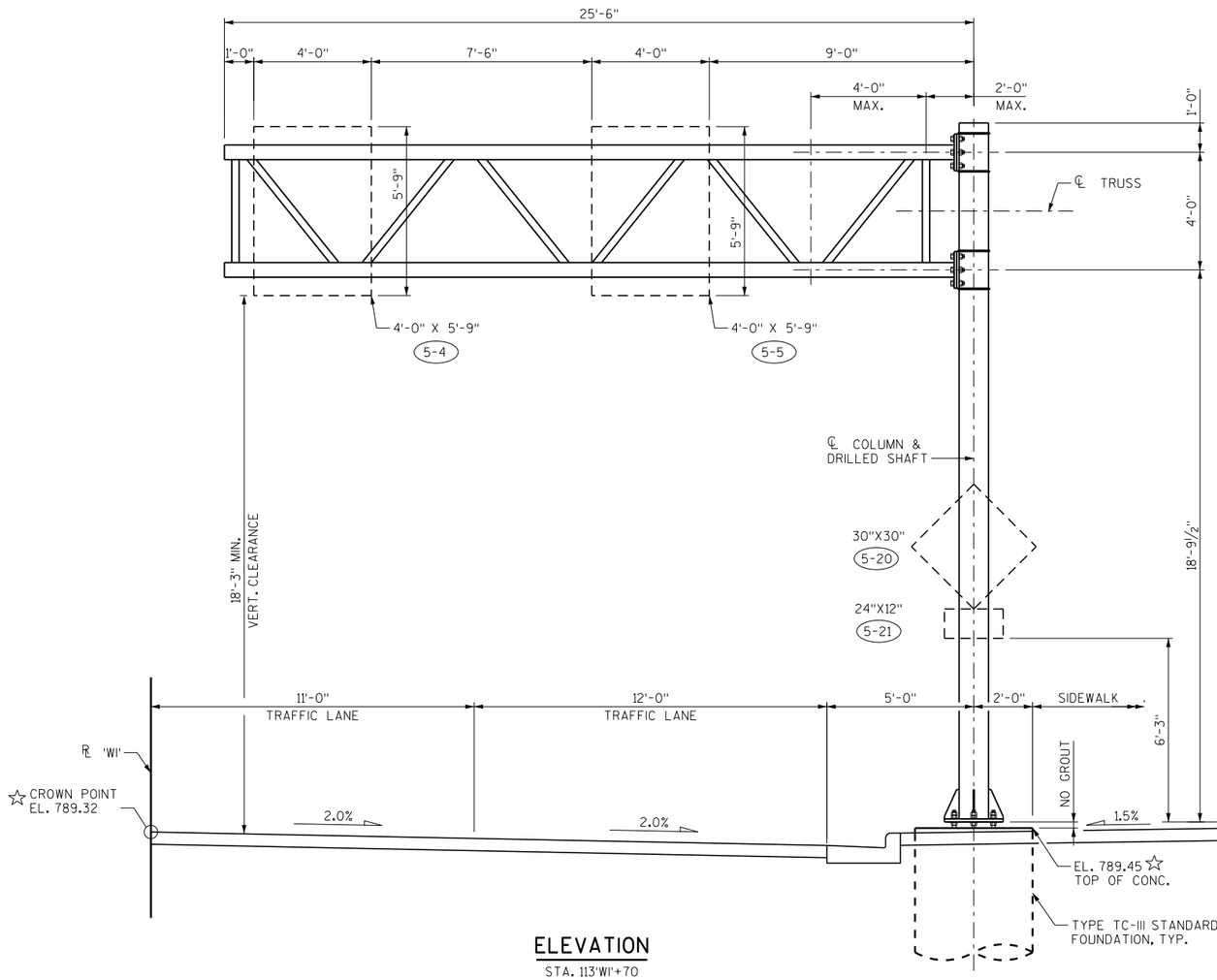
8

8

STATE PROJECT NUMBER
6918-01-72



PLAN



ELEVATION

STA. 113'WI'+70
(LOOKING UPSTATION AT FRONT FACE OF SIGN)

NOTE

POINT OF MIN. VERTICAL CLEARANCE
STA. 113'WI'+70. 3.50' LT
EL. 789.25

LEGEND

☆ ELEVATIONS GIVEN ALONG ℄ 2-CHORD TRUSS.

(X-X) SIGN NUMBER (PERMANENT SIGNING PLAN)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-11-31

DRAWN BY VJD | PLANS CK'D. JJM

GENERAL LAYOUT
S-11-0031

SHEET 2 OF 2
461

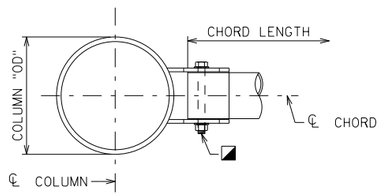
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8

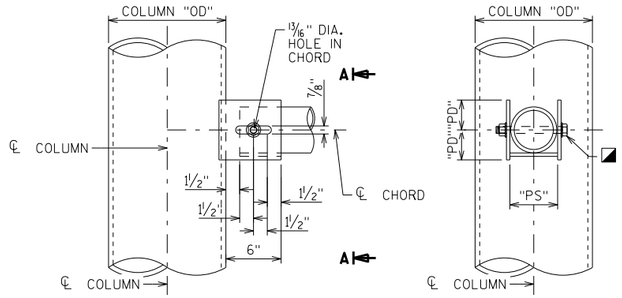
FILE NAME : X:\Projects\Columbia\6918-01-02 USH 51\Structure\Submittal to BOS\Sheets\S110031_General Layout.dgn PLOT DATE : 7/20/2020 10:48:53 AM PLOT BY : vdifrances PLOT SCALE : 5.0000 sf / in.

STATE PROJECT NUMBER

STANDARD



PLAN



ELEVATION SECTION A-A

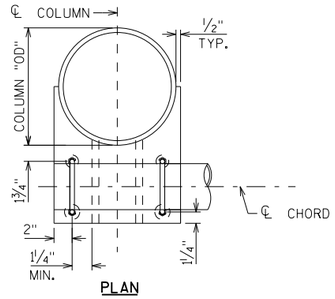
FULL SPAN SADDLE CONNECTION

PREFERRED

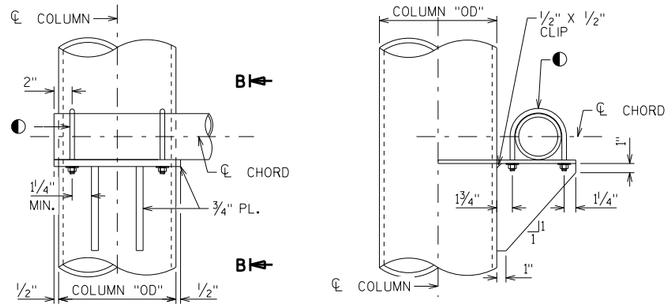
¾" GALVANIZED A325 OR A449 HEAVY HEX BOLT, NUT, WASHER

"PD" = (CHORD "OD")/2 + ¾"

"PS" = CHORD "OD" + 3/16"



PLAN

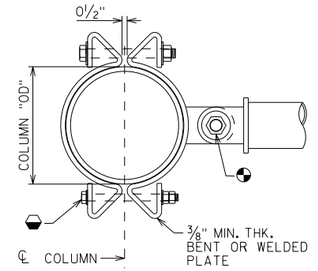


ELEVATION SECTION B-B

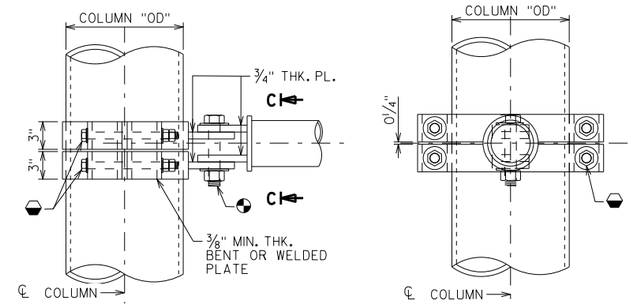
FULL SPAN STIFFENED BEARING CONNECTION

ALTERNATE 1

◐ (2) - ½" MIN. GALVANIZED U-BOLT, NUT, WASHER AND LOCK WASHER



PLAN



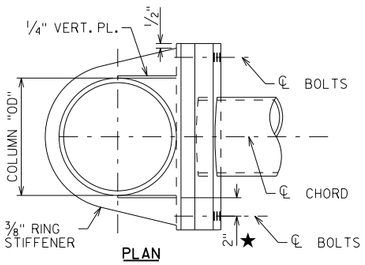
ELEVATION SECTION C-C

FULL SPAN CLAMP CONNECTION

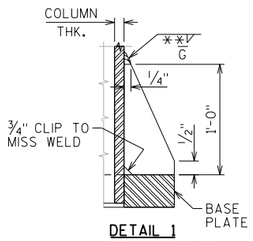
ALTERNATE 2 - TAPERED COLUMNS ONLY

◓ 1¼" GALVANIZED A325 HEAVY HEX BOLT, NUT AND WASHER

⬭ 1" GALVANIZED A449 HEAVY HEX BOLT, NUT AND WASHER

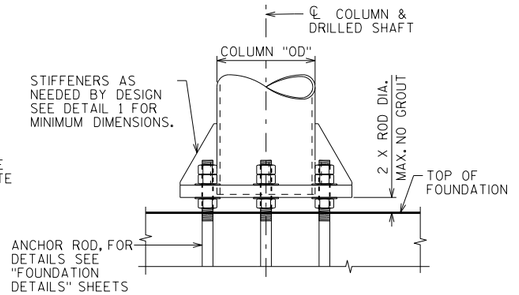


PLAN



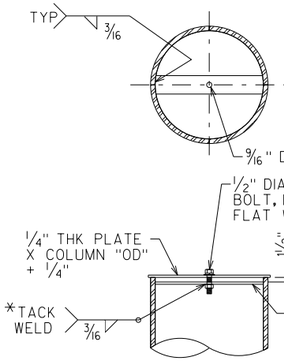
DETAIL 1

** SIZE AS NEEDED



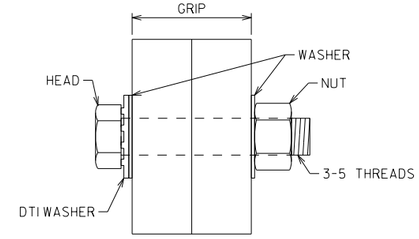
BASE PLATE & COLUMN DETAIL

LOOKING AT FRONT FACE OF STRUCTURE

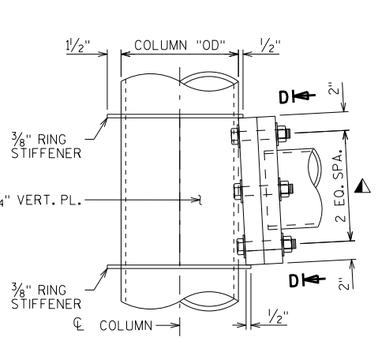


COLUMN/CHORD CAP DETAIL

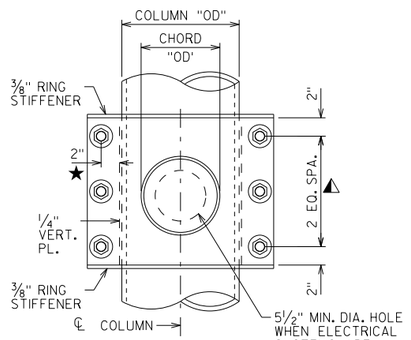
*PLACE TACK EVERY OTHER FLAT TO SECURE NUT OR USE ½" THICK AND TAP PLATE HOLE FOR BOLT THREADS



RECOMMENDED BOLT DETAIL WITH DTI



ELEVATION

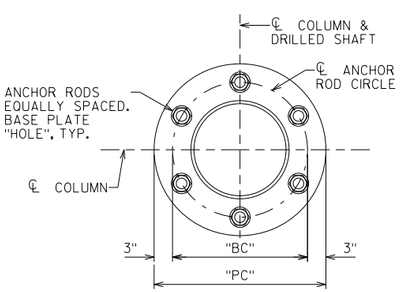


SECTION D-D

CANTILEVER POST TO CHORD CONNECTION

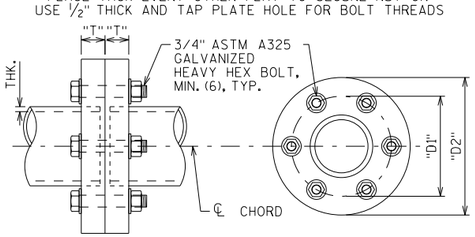
◭ MIN. CONNECTION = (6) - 1" GALVANIZED A325 BOLTS, NUT, WASHER AND DTI

★ MEASURED FROM EXT. FACE OF VERT. PLATE



BASE PLATE

PLAN



CHORD SPLICE DETAIL

"D1" = CHORD "OD" + 3"

"D2" = CHORD "OD" + 6"

"T" = BY DESIGN

NOTES:

MINIMUM VALUES SHOWN

ALL CONNETIONS ARE TO BE DESIGNED FOR ACTUAL STRUCTURE LOADS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: APRIL 2020

DRAWN BY BOS | PLANS CK'D. BOS

MONOTUBE & 2-CHORD TRUSS DETAILS 1

SHEET 1 OF IV

462

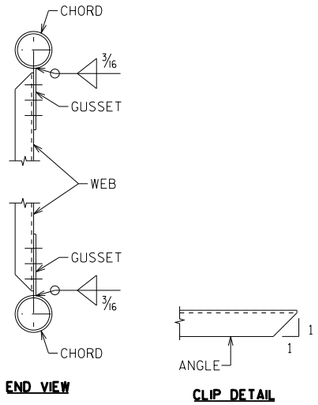
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SCALE = 1.00

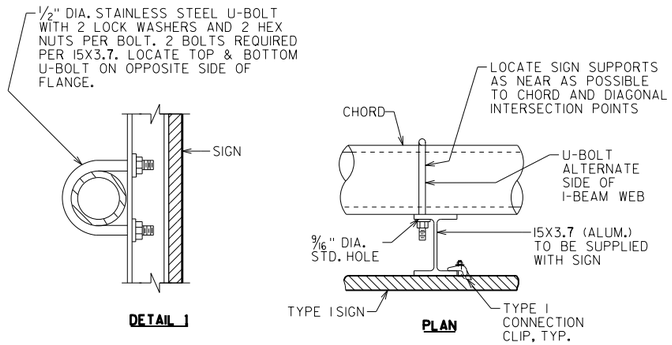
STATE PROJECT NUMBER

STANDARD



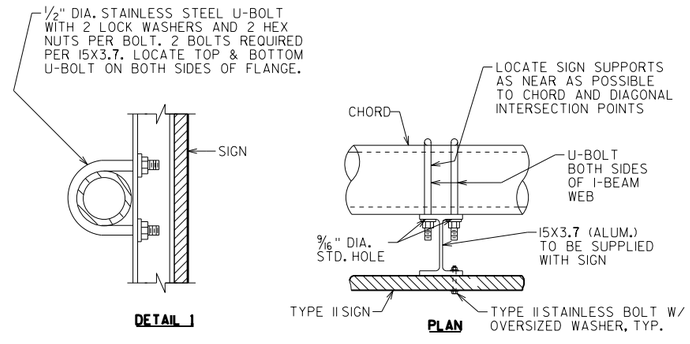
TRUSS CONNECTION DETAILS

BOLTED CONNECTIONS SHOWN, NUMBER OF BOLTS BY DESIGN
WELDED CONNECTIONS SIMILAR



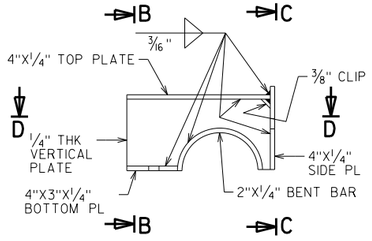
2-CHORD TRUSS SIGN CONNECTION

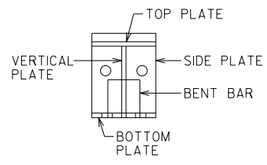
SEE SIGN PLATE MANUAL A4-7A FOR DETAILS

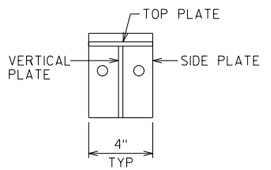


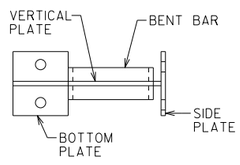
MONOTUBE SIGN CONNECTION

SEE SIGN PLATE MANUAL A4-7B FOR DETAILS



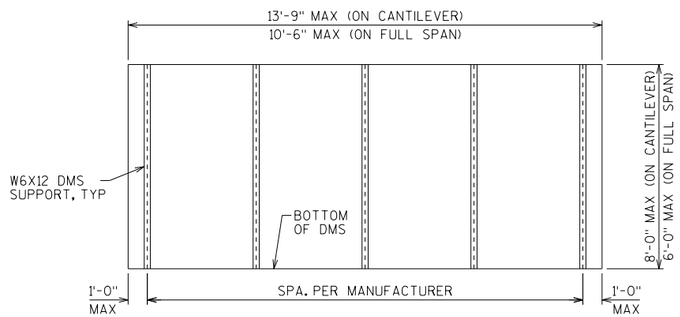






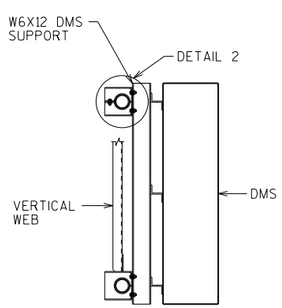
DMS WELDED PLATE CONNECTION DETAILS

TOP PLATE CLAMP SHOWN
BOTTOM PLATE CLAMP SIMILIAR



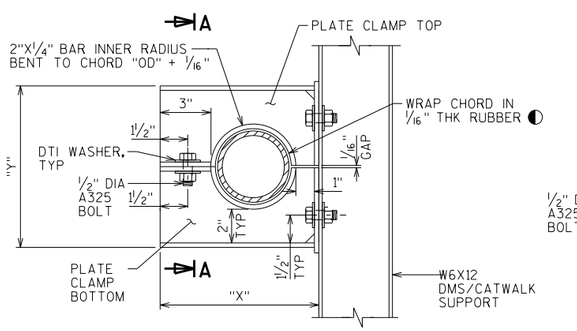
DMS MOUNTING POST SPACING DETAIL

POST SPACING MAY BE ADJUSTED AS REQUIRED IF CONFLICT WITH TRUSS IS ENCOUNTERED.

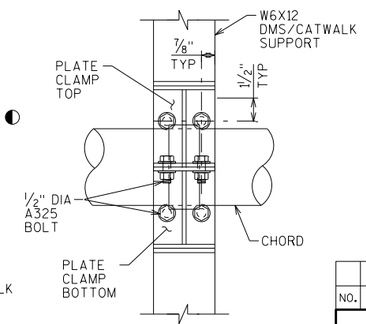


SECTION THRU TRUSS

FOR DMS CONNECTION

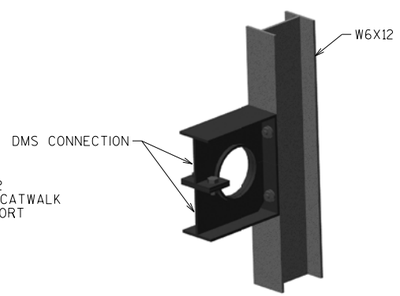


CHORD OUTER DIA	"X"	"Y"
"OD"	"OD"+4 13/16"	"OD"+5 1/16"



TYPICAL DMS CONNECTION

◐ NEOPRENE, GRADE 45±5, OTHERWISE MEETING THE REQUIREMENTS OF STD SPEC 506.2.6.1



3-D VIEW DMS CONNECTION

CHORD NOT SHOWN FOR CLARITY

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: APRIL 2020

DRAWN BY: BOS | PLANS CK'D.: BOS

MONOTUBE & CHORD TRUSS DETAILS 2

SHEET 11 OF IV

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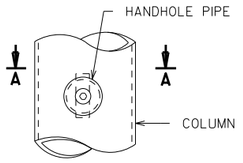
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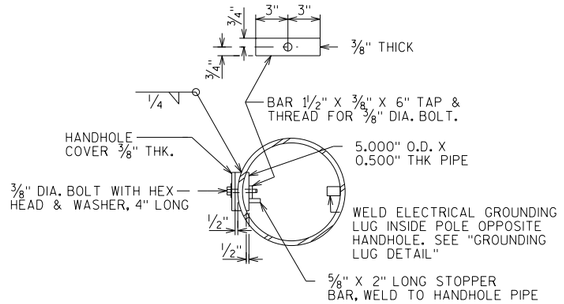
SCALE = 2.00

STATE PROJECT NUMBER

STANDARD



HANDHOLE DETAILS

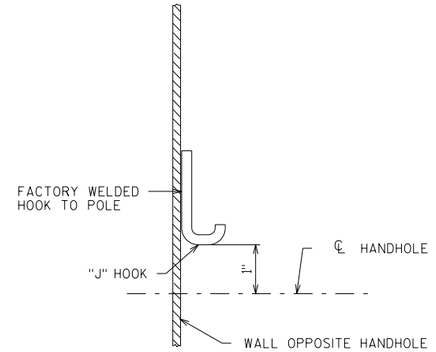


SECTION A-A

HANDHOLE NOTES

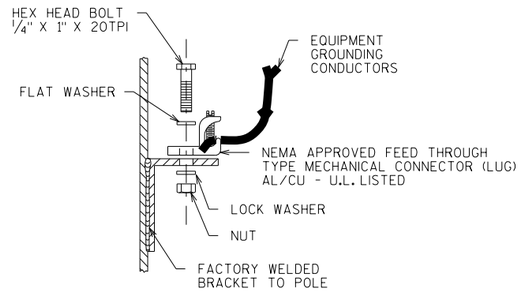
HANDHOLES SHALL BE LOCATED IN ONE COLUMN OF THE SIGN STRUCTURE IF ELECTRICALLY OPERATED DEVICES ARE INSTALLED ON/IN THE STRUCTURE. COLUMNS WITH HANDHOLES SHALL BE NEAR THE ELECTRICAL SERVICE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE ELECTRICAL SERVICE ENTRANCE WITH THE REGION TRAFFIC SECTION PRIOR TO FABRICATION OF THE SIGN COLUMNS AND MEMBERS. CONDUIT (AS REQ'D.) SHALL BE LOCATED, PLACED AND SIZED AS SHOWN ON THE ELECTRICAL PLAN DETAIL SHEETS.

UNLESS NOTED OTHERWISE, ALL HANDHOLE ELEMENTS TO BE GALVANIZED PER THE WISDOT STANDARD SPECIFICATIONS.



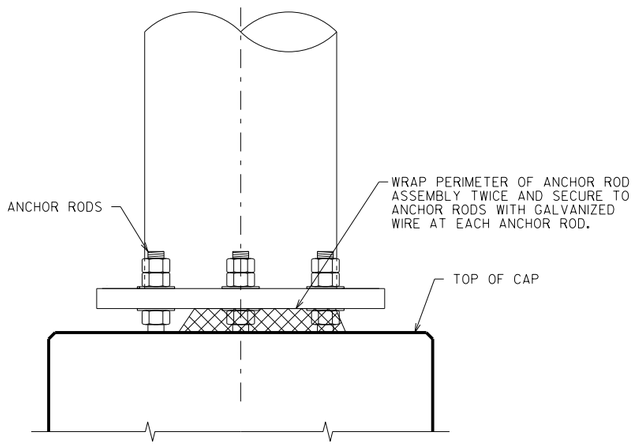
TYPICAL "J" HOOK LOCATION

THE "J" HOOK SHALL BE FACTORY WELDED TO THE INSIDE OF ALL COLUMNS CONTAINING ELECTRICAL WIRING. THE "J" HOOK SHALL BE ATTACHED ABOVE THE CENTERLINE OF THE UPPER HANDHOLE AND MOUNTED DIRECTLY OPPOSITE THE HANDHOLE AS SHOWN IN THE DRAWING.



GROUNDING LUG DETAIL

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



RODENT SCREEN

(ONLY REQ'D. WHEN ELECTRICAL DEVICES ARE INSTALLED)

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

LAST UPDATE: APRIL 2020

DRAWN BY BOS | PLANS CK'D. BOS

MONOTUBE & 2-CHORD TRUSS ELECTRICAL DETAILS

SHEET III

464

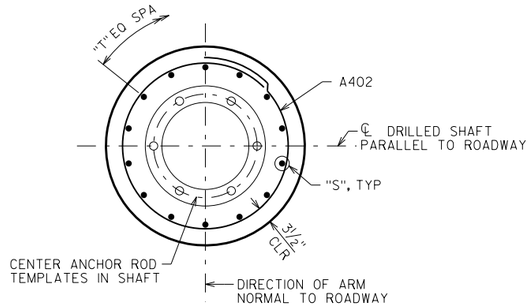
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STATE PROJECT NUMBER

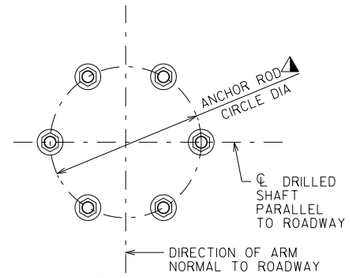
STANDARD

FOUNDATION & REINFORCING DATA

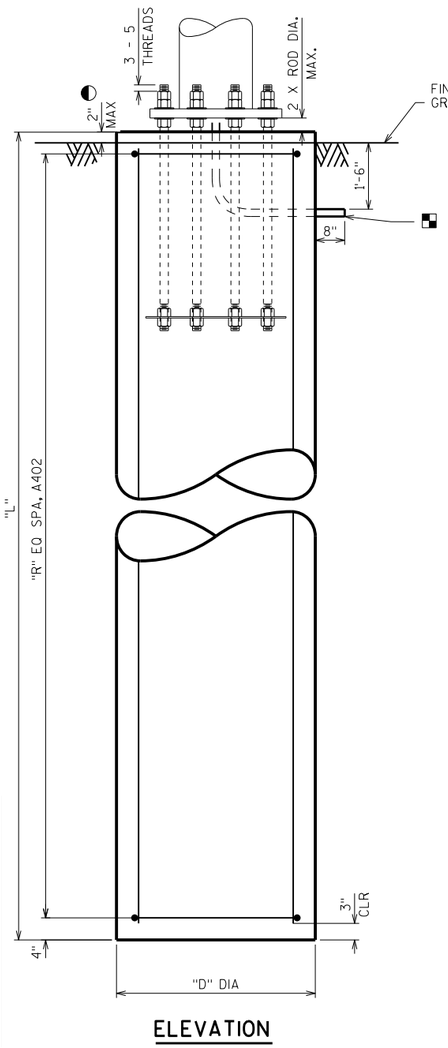
STANDARD FOUNDATION TYPE	SHAFT VARIABLES					
	"D"	"L"	"R"	"S"	"T"	"BC" MAX
MFI	2'-0"	12'-0"	12	A801	6	12"
MFII	2'-6"	13'-0"	13	A801	10	17"
MCI/MCII/TFI	2'-6"	17'-0"	17	A801	10	17"
TCI	3'-0"	18'-0"	18	A801	14	22"
TFII	3'-0"	20'-0"	20	A801	14	22"
MCIII/TCII/TFIII	3'-6"	18'-0"	18	A901	14	28"
MCIV/TFIV	3'-6"	23'-0"	23	A901	14	28"
TCIII	4'-0"	23'-0"	23	A1001	14	34"
TCIV	4'-0"	28'-0"	28	A1001	14	34"



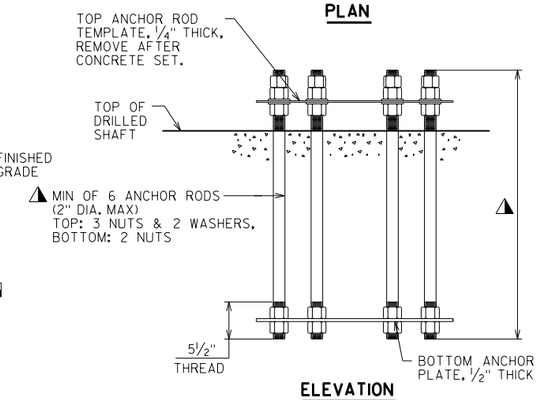
PLAN



PLAN



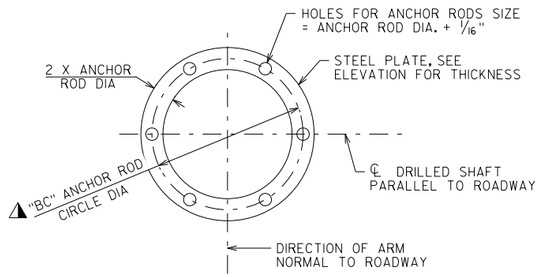
ELEVATION



ELEVATION

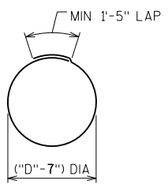
ANCHOR ROD ASSEMBLY DETAILS

△ ANCHOR ROD NUMBER, DIAMETER, LENGTH & ORIENTATION AS SHOWN ON FABRICATION DRAWING.



ANCHOR PLATE/TOP TEMPLATE

PLAN



A402

NOTE:
THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BILL OF BARS - STANDARD FOUNDATIONS

STANDARD FOUNDATION MFI

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		6	11'-7"			DRILLED SHAFT - VERTICAL
A402		13	5'-10"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION MFII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		10	12'-7"			DRILLED SHAFT - VERTICAL
A402		14	7'-5"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION MCI/MCII/TFI

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		10	16'-7"			DRILLED SHAFT - VERTICAL
A402		18	7'-5"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION TCI

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		14	17'-7"			DRILLED SHAFT - VERTICAL
A402		19	9'-0"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION TFII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		14	19'-7"			DRILLED SHAFT - VERTICAL
A402		21	9'-0"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION MCIII/TCII/TFIII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A901		14	17'-7"			DRILLED SHAFT - VERTICAL
A402		19	10'-6"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION MCIV/TFIV

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A901		14	22'-7"			DRILLED SHAFT - VERTICAL
A402		24	10'-6"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION TCIII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A1001		14	22'-7"			DRILLED SHAFT - VERTICAL
A402		24	12'-2"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION TCIV

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A1001		14	27'-7"			DRILLED SHAFT - VERTICAL
A402		29	12'-2"	X		DRILLED SHAFT - HORIZONTAL

ESTIMATED QUANTITIES - FOUNDATIONS

STANDARD FOUNDATION TYPE	CONCRETE MASONRY (CY)	STEEL REINFORCEMENT HS (LBS)	FOUNDATION DRILLING (LF)				
			24" DIA.	30" DIA.	36" DIA.	42" DIA.	48" DIA.
MFI	2	240	12				
MFII	3	410		13			
MCI/MCII/TFI	4	540		17			
TCI	5	780			18		
TFII	6	860			20		
MCIII/TCII/TFIII	7	970				18	
MCIV/TFIV	9	1,250				23	
TCIII	11	1,560					23
TCIV	13	1,900					28

** QUANTITIES ARE FOR INFORMATION ONLY AND ARE BASED ON STANDARD STRUCTURE DIMENSIONS

NOTES

CENTER ANCHOR ROD ASSEMBLY ON DRILLED SHAFT AND MAKE SURE IT IS PLUMB. MAINTAIN ANCHOR ROD PROJECTION ABOVE FOOTING AS DETAILED. ANCHOR ROD ASSEMBLY SHALL BE RIGIDLY SECURED IN POSITION DURING AND AFTER CONCRETE PLACEMENT. DO NOT WELD THE ANCHOR RODS.

◐ FOR OVERHEAD SIGN STRUCTURES THAT ARE INSTALLED ADJACENT TO SIDEWALKS, THE TOP OF THE SHAFT SHALL BE POURED FLUSH WITH THE FINISHED GRADE.

◪ 2" DIA NONMETALLIC CONDUITS, INSTALL ONLY WITH DMS. EXTEND CONDUITS AS SHOWN AND CAP OR SEAL EACH END WITH A SUITABLE REMOVABLE PLUG. PLACE CONDUITS UNDER COLUMN ADJACENT TO THE DMS. CONDUITS INCIDENTAL TO THE FOUNDATION BID ITEMS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: APRIL 2020

DRAWN BY BOS | PLANS CK'D. BOS

MONOTUBE & 2-CHORD TRUSS FOUNDATIONS

SHEET IV OF IV

465

SCALE = 1.67

8

8

NOTES:

1-CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2-FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME OR SELECT FILL
3-REDUCED EBS IN FILL	REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL
4-MASS ORDINATE	IF MARSH AND EBS TO BE BACKFILLED WITH CUT OR BORROW: CUT-(FILL -EXPANDED ROCK)*FILL FACTOR
8-SELECT FILL	AREA UNDER INSIDE 1:1'S EXTENDED DOWN FROM SUBGRADE SHOULDER POINTS

DIVISION 1: DE WITT STREET (STAGE 1)

		Area			Incremental Volume (Unadjusted)			Cumulative Vol (CY)			
									Expanded	Reduced EBS	Mass
		Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	In Fill	Ordinate
STATION	Distance				Note 1	Note 2		1.00	1.25	0.80	
	(LF)	(SF)	(SF)	(SF)	(CY)	(CY)	(CY)	Note 1		Note 3	Note 4
538+50		537	0	27							
539+00	50	331	1	17	804	1	40	804	-39	32	842
539+50	50	205	0	10	497	1	25	1,300	-62	52	1,363
540+00	50	108	0	5	290	0	14	1,590	-77	64	1,667
540+50	50	96	0	5	189	0	9	1,779	-86	71	1,865
541+00	50	96	0	5	178	0	9	1,957	-95	78	2,052
541+50	50	101	0	5	183	0	9	2,140	-104	86	2,244
542+00	50	95	0	5	182	0	9	2,321	-113	93	2,434
542+10	10	59	0	3	30	0	1	2,351	-115	94	2,466
543+79		101	0	5				2,351	-115	94	2,466
544+00	21	93	0	5	74	0	4	2,425	-118	97	2,543
544+50	50	104	0	5	182	0	9	2,607	-128	104	2,735
545+00	50	96	0	5	185	0	9	2,793	-137	112	2,929
545+50	50	96	0	5	178	0	9	2,971	-146	119	3,116
546+00	50	201	0	10	275	0	14	3,246	-160	130	3,406
546+50	50	133	0	7	309	0	15	3,555	-175	142	3,730
547+00	50	96	0	5	211	0	11	3,767	-186	151	3,952
547+50	50	95	0	5	176	0	9	3,943	-194	158	4,137
548+00	50	96	0	5	177	0	9	4,119	-203	165	4,322
548+50	50	104	0	5	185	0	9	4,304	-212	172	4,517
549+00	50	116	0	6	203	0	10	4,508	-223	180	4,730
549+50	50	132	0	7	230	0	11	4,737	-234	189	4,971
549+75	25	85	0	4	100	0	5	4,837	-239	193	5,077
				STAGE 1 TOTAL	4,837	2	242				

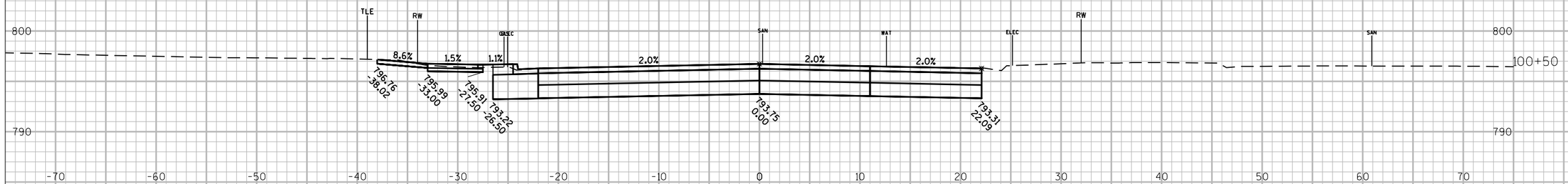
DIVISION 2 (STA 100+38'WI' - STA 120+50'WI'): WISCONSIN STREET (STAGE 2)											
		Area			Incremental Volume (Unadjusted)			Cumulative Vol (CY)			
									Expanded	Reduced EBS	Mass
		Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	In Fill	Ordinate
STATION	Distance				Note 1	Note 2		1.00	1.25	0.80	
	(LF)	(SF)	(SF)	(SF)	(CY)	(CY)	(CY)	Note 1		Note 3	Note 4
100+38		169	0	0							
100+50	12	173	0	0	79	0	0	79	0	0	79
101+00	50	311	1	0	448	1	0	526	1	0	525
101+50	50	190	0	0	464	1	0	990	2	0	988
102+00	50	221	0	0	380	0	0	1,370	2	0	1,368
102+50	50	221	0	0	409	0	0	1,779	2	0	1,777
103+00	50	253	0	0	439	0	0	2,218	3	0	2,216
103+50	50	342	0	0	551	0	0	2,769	3	0	2,766
104+00	50	252	1	0	550	1	0	3,319	4	0	3,315
104+50	50	217	0	0	434	1	0	3,753	5	0	3,748
105+00	50	287	0	0	466	1	0	4,220	6	0	4,214
105+50	50	262	0	0	508	1	0	4,727	6	0	4,721
106+00	50	179	1	0	408	1	0	5,135	8	0	5,128
106+50	50	206	0	0	357	1	0	5,492	8	0	5,484
107+00	50	258	0	0	430	0	0	5,922	9	0	5,913
107+50	50	193	0	0	418	0	0	6,340	9	0	6,331
108+00	50	187	0	0	352	0	0	6,692	9	0	6,682
108+50	50	187	0	0	346	0	0	7,038	9	0	7,028
109+00	50	376	0	0	521	0	0	7,559	10	0	7,550
109+50	50	201	0	0	534	0	0	8,094	10	0	8,084
110+00	50	194	0	0	367	0	0	8,460	10	0	8,451
110+50	50	199	0	0	364	0	0	8,825	10	0	8,815
111+00	50	204	0	0	374	0	0	9,198	10	0	9,189
111+50	50	193	0	0	368	0	0	9,566	10	0	9,556
112+00	50	185	0	0	350	0	0	9,916	10	0	9,906
112+50	50	192	0	0	349	1	0	10,265	11	0	10,254
113+00	50	264	0	0	422	1	0	10,687	11	0	10,676
113+50	50	186	1	0	417	1	0	11,104	12	0	11,091
114+00	50	186	0	0	344	1	0	11,448	13	0	11,435
114+50	50	196	0	0	354	1	0	11,801	14	0	11,787
115+00	50	194	0	0	360	0	0	12,162	15	0	12,147
115+50	50	203	0	0	367	0	0	12,529	15	0	12,514
116+00	50	201	0	0	374	0	0	12,903	15	0	12,888
116+50	50	245	0	0	413	0	0	13,316	15	0	13,301
117+00	50	342	0	0	543	0	0	13,859	15	0	13,844
117+50	50	183	2	0	486	1	0	14,345	17	0	14,328
118+00	50	180	1	0	335	3	0	14,680	20	0	14,660
118+50	50	184	0	0	337	1	0	15,017	22	0	14,996
119+00	50	183	0	0	340	0	0	15,357	22	0	15,336
119+50	50	180	0	0	336	0	0	15,694	22	0	15,672
120+00	50	179	0	0	332	0	0	16,026	22	0	16,004
120+50	50	211	0	0	361	0	0	16,387	22	0	16,365
				STAGE 2 SUBTOTAL	16,387	18	0				

DIVISION 2 (STA 121+00'WI' - STA 138+50'WI'): WISCONSIN STREET (STAGE 2)											
		Area			Incremental Volume (Unadjusted)			Cumulative Vol (CY)			
									Expanded	Reduced EBS	Mass
		Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	In Fill	Ordinate
STATION	Distance				Note 1	Note 2		1.00	1.25	0.80	
	(LF)	(SF)	(SF)	(SF)	(CY)	(CY)	(CY)	Note 1		Note 3	Note 4
		PREVIOUS SHEET SUBTOTAL			**16,387**	**18**	**0**				
121+00		206	2	0							
121+50	50	176	0	0	353	2	0	353	2	0	351
122+00	50	198	0	0	345	0	0	699	3	0	696
122+50	50	200	7	0	368	7	0	1,067	11	0	1,056
123+00	50	229	4	0	397	10	0	1,464	24	0	1,439
123+50	50	235	1	0	429	4	0	1,893	30	0	1,863
124+00	50	243	0	0	442	1	0	2,335	31	0	2,304
124+50	50	303	0	0	505	0	0	2,840	31	0	2,809
125+00	50	232	0	0	495	0	0	3,334	31	0	3,303
125+50	50	214	0	0	413	0	0	3,747	31	0	3,716
126+00	50	211	0	0	393	0	0	4,141	31	0	4,110
126+50	50	212	0	0	391	0	0	4,532	31	0	4,501
127+00	50	204	0	0	385	0	0	4,916	31	0	4,885
127+50	50	200	0	0	374	0	0	5,290	31	0	5,259
128+00	50	202	0	0	372	0	0	5,662	31	0	5,631
128+50	50	247	0	0	416	0	0	6,078	31	0	6,047
129+00	50	180	0	0	396	0	0	6,474	31	0	6,443
129+50	50	179	0	0	333	0	0	6,807	32	0	6,775
130+00	50	186	0	0	338	0	0	7,145	32	0	7,113
130+50	50	196	0	0	353	0	0	7,498	32	0	7,466
131+00	50	187	0	0	355	0	0	7,853	32	0	7,821
131+50	50	188	0	0	347	0	0	8,200	32	0	8,168
132+00	50	189	0	0	349	0	0	8,549	32	0	8,517
132+50	50	331	0	0	482	0	0	9,032	33	0	8,999
133+00	50	199	0	0	491	0	0	9,523	33	0	9,490
133+50	50	203	0	0	372	0	0	9,895	33	0	9,862
134+00	50	219	7	0	390	7	0	10,285	42	0	10,244
134+50	50	205	35	0	393	39	0	10,678	91	0	10,587
135+00	50	233	24	0	406	55	0	11,084	160	0	10,924
135+50	50	232	8	0	431	30	0	11,515	197	0	11,318
136+00	50	261	0	0	456	7	0	11,971	206	0	11,764
136+50	50	385	0	0	598	0	0	12,569	206	0	12,362
137+00	50	271	1	0	608	1	0	13,176	207	0	12,969
137+50	50	193	0	0	430	1	0	13,606	208	0	13,398
138+00	50	187	0	0	347	1	0	13,953	209	0	13,749
138+50	50	192	0	0	351	1	0	14,304	210	0	14,100
				STAGE 2 SUBTOTAL	30,692	186	0				

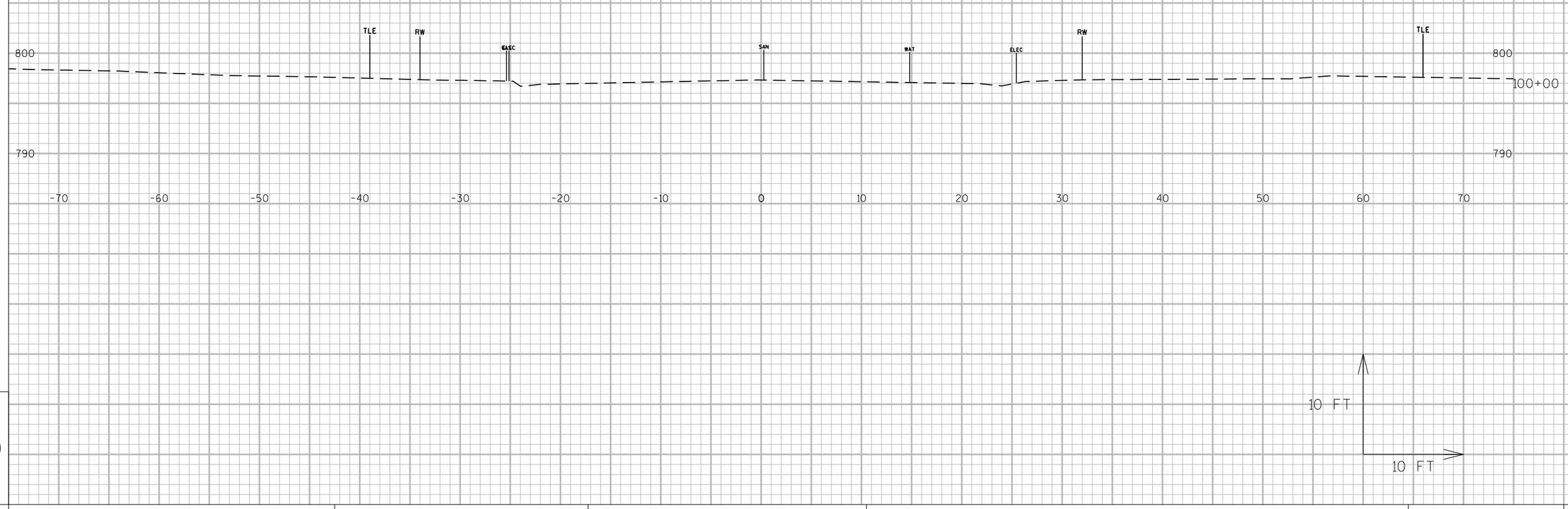
DIVISION 2 (STA 139+00'WI' - STA 151+35'WI'): WISCONSIN STREET (STAGE 2)											
		Area			Incremental Volume (Unadjusted)			Cumulative Vol (CY)			
									Expanded	Reduced EBS	Mass
		Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	In Fill	Ordinate
STATION	Distance				Note 1	Note 2		1.00	1.25	0.80	
	(LF)	(SF)	(SF)	(SF)	(CY)	(CY)	(CY)	Note 1		Note 3	Note 4
		PREVIOUS SHEET SUBTOTAL			**30,692**	**186**	**0**				
139+00		197	0	0							
139+50	50	196	0	0	364	0	0	364	0	0	364
140+00	50	198	0	0	365	0	0	728	0	0	728
140+50	50	340	0	0	498	0	0	1,227	0	0	1,227
141+00	50	217	0	0	516	0	0	1,742	0	0	1,742
141+50	50	195	0	0	382	0	0	2,124	0	0	2,124
142+00	50	194	0	0	360	0	0	2,484	0	0	2,484
142+50	50	194	0	0	359	0	0	2,843	0	0	2,843
143+00	50	193	0	0	358	0	0	3,202	0	0	3,201
143+50	50	191	0	0	355	0	0	3,557	0	0	3,557
144+00	50	183	0	0	346	0	0	3,903	0	0	3,902
144+50	50	236	0	0	388	0	0	4,291	0	0	4,291
145+00	50	164	3	0	371	2	0	4,662	3	0	4,658
145+50	50	161	4	0	301	6	0	4,962	11	0	4,952
146+00	50	167	8	0	304	11	0	5,267	24	0	5,243
146+50	50	181	35	0	323	40	0	5,589	73	0	5,516
147+00	50	183	24	0	337	54	0	5,926	141	0	5,785
147+50	50	189	3	0	344	25	0	6,270	172	0	6,098
148+00	50	205	0	0	365	3	0	6,635	176	0	6,460
148+50	50	372	0	0	534	0	0	7,169	176	0	6,994
149+00	50	200	51	0	530	47	0	7,699	234	0	7,465
149+50	50	29	12	0	212	58	0	7,912	307	0	7,604
150+00	50	20	15	0	46	25	0	7,958	338	0	7,619
150+50	50	17	7	0	35	20	0	7,992	363	0	7,629
151+00	50	28	5	0	41	11	0	8,034	377	0	7,656
151+35	35	33	2	0	39	4	0	8,073	383	0	7,690
				STAGE 2 SUBTOTAL	38,764	492	0				

DIVISION 2: WEST EDGEWATER STREET (STAGE 2)											
		Area			Incremental Volume (Unadjusted)			Cumulative Vol (CY)			
									Expanded	Reduced EBS	Mass
		Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	In Fill	Ordinate
STATION	Distance				Note 1	Note 2		1.00	1.25	0.80	
	(LF)	(SF)	(SF)	(SF)	(CY)	(CY)	(CY)	Note 1		Note 3	Note 4
10+71		80	0	4							
11+00	29	83	1	4	86	0	4	86	-4	3	90
11+50	50	98	0	5	168	1	8	254	-11	10	266
12+15	65	149	0	7	298	1	15	553	-25	22	578
				STAGE 2 TOTAL	553	2	28				

W. EDGEWATER STREET



BEGIN CONSTRUCTION
STA 100+37.55 'WI'



9

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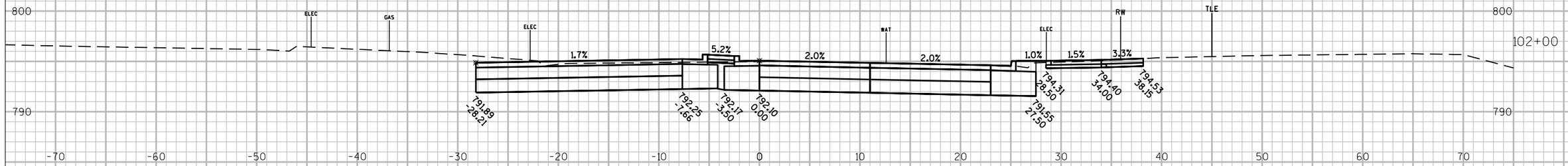
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET 470	E

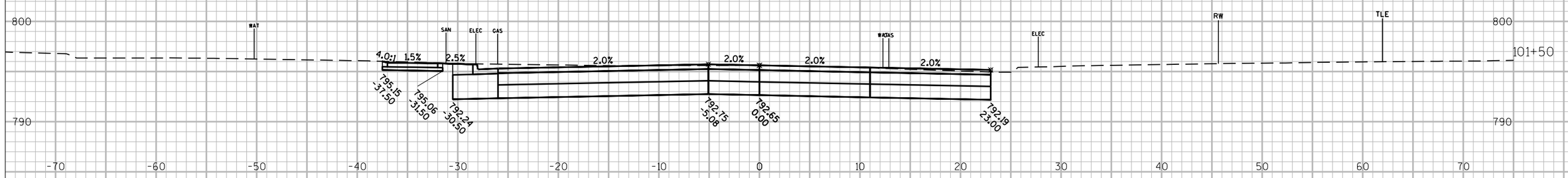
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LAYOUT NAME - SECTION SHEET - (1)

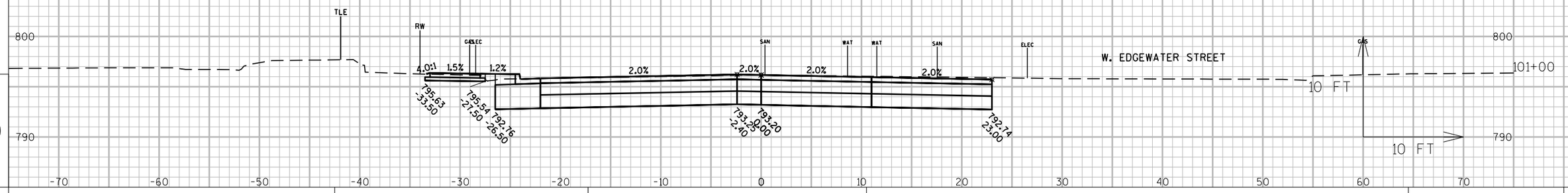
PLOT DATE : 7/6/2020 1:04 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

DEWITT STREET







9

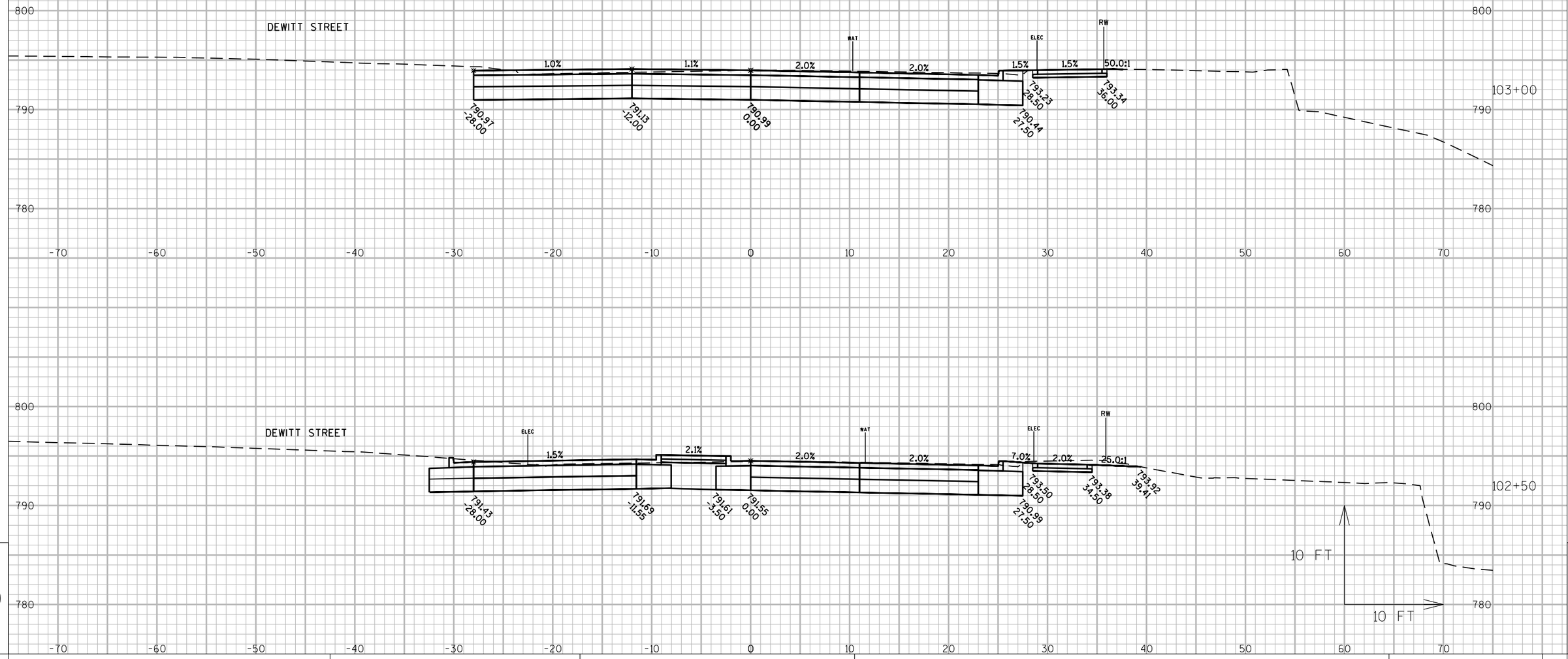
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET 471	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_COOK-BRADY.DWG
LAYOUT NAME - SECTION SHEET - (2)

PLOT DATE : 7/6/2020 1:04 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET 472	E

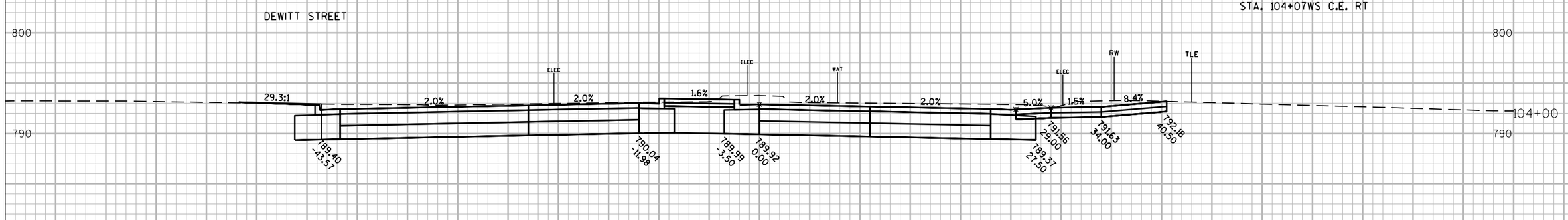
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LAYOUT NAME - SECTION SHEET - (3)

PLOT DATE : 7/6/2020 1:05 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

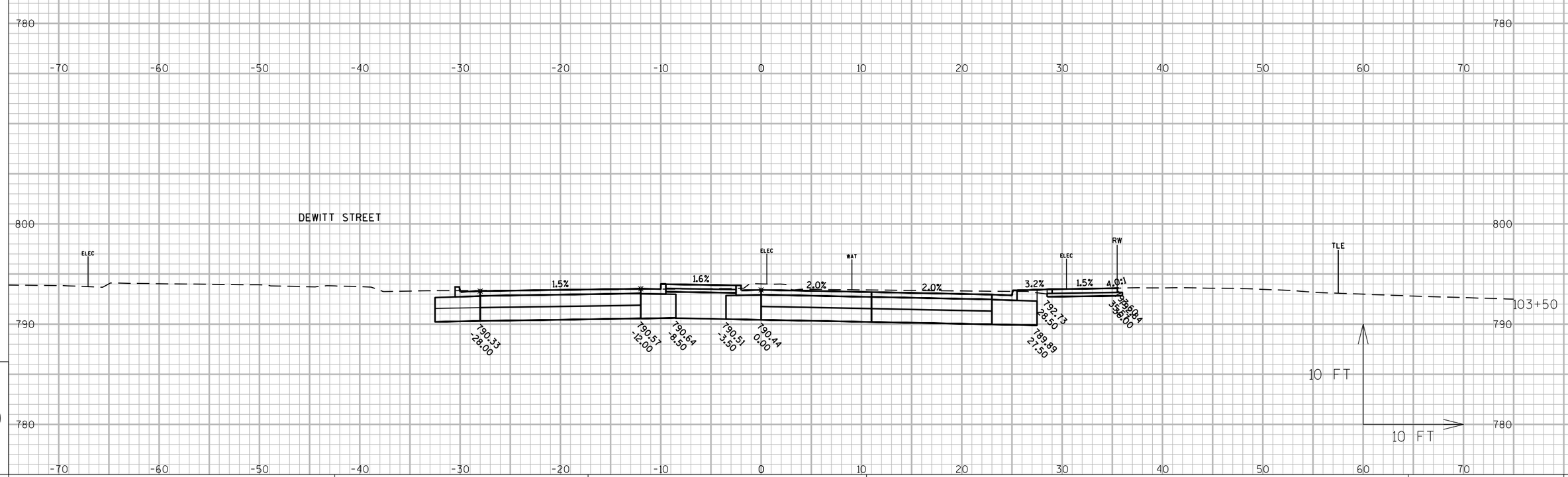
WISDOT/CADDS SHEET 49

DEWITT STREET

STA. 104+07WS C.E. RT



DEWITT STREET



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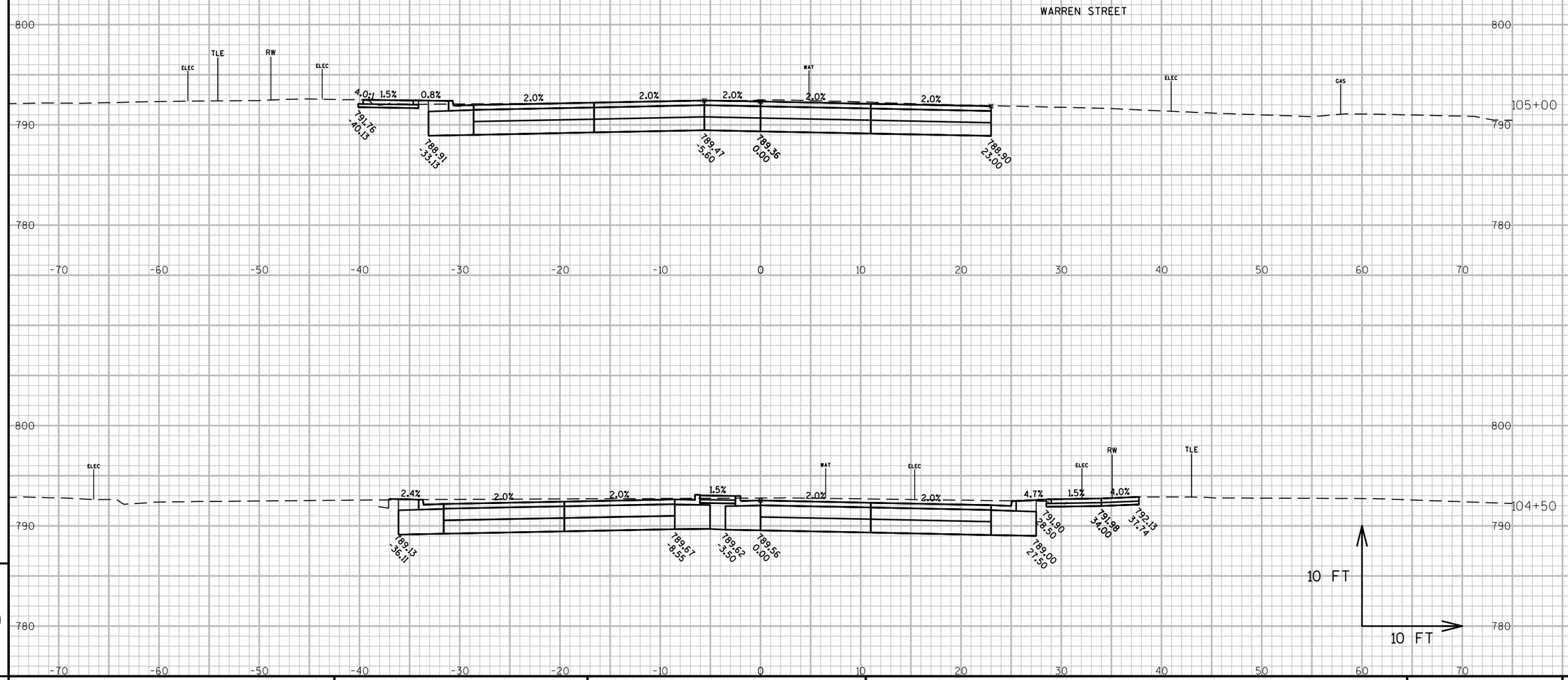
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET 473	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_COOK-BRADY.DWG
LAYOUT NAME - SECTION SHEET - (4)

PLOT DATE : 7/6/2020 1:05 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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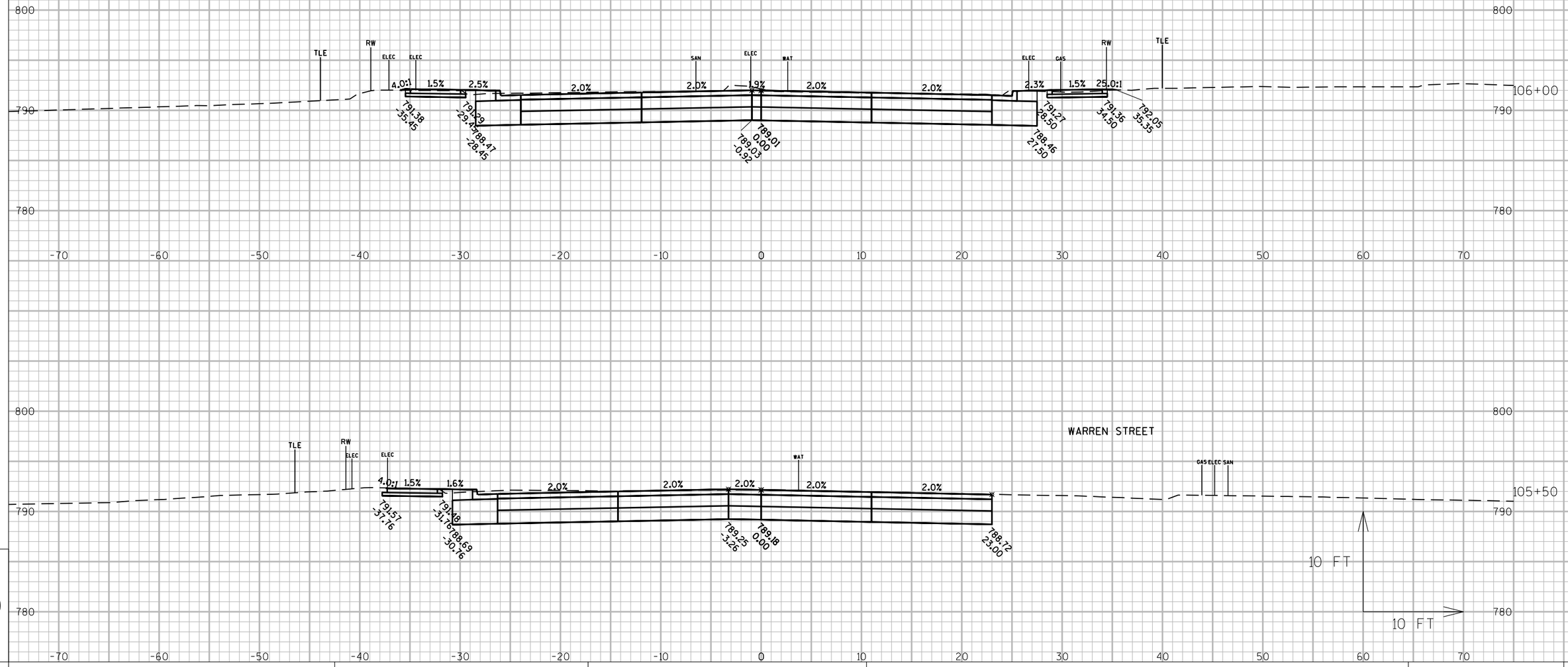
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET 474	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_COOK-BRADY.DWG
LAYOUT NAME - SECTION SHEET - (5)

PLOT DATE : 7/6/2020 1:05 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



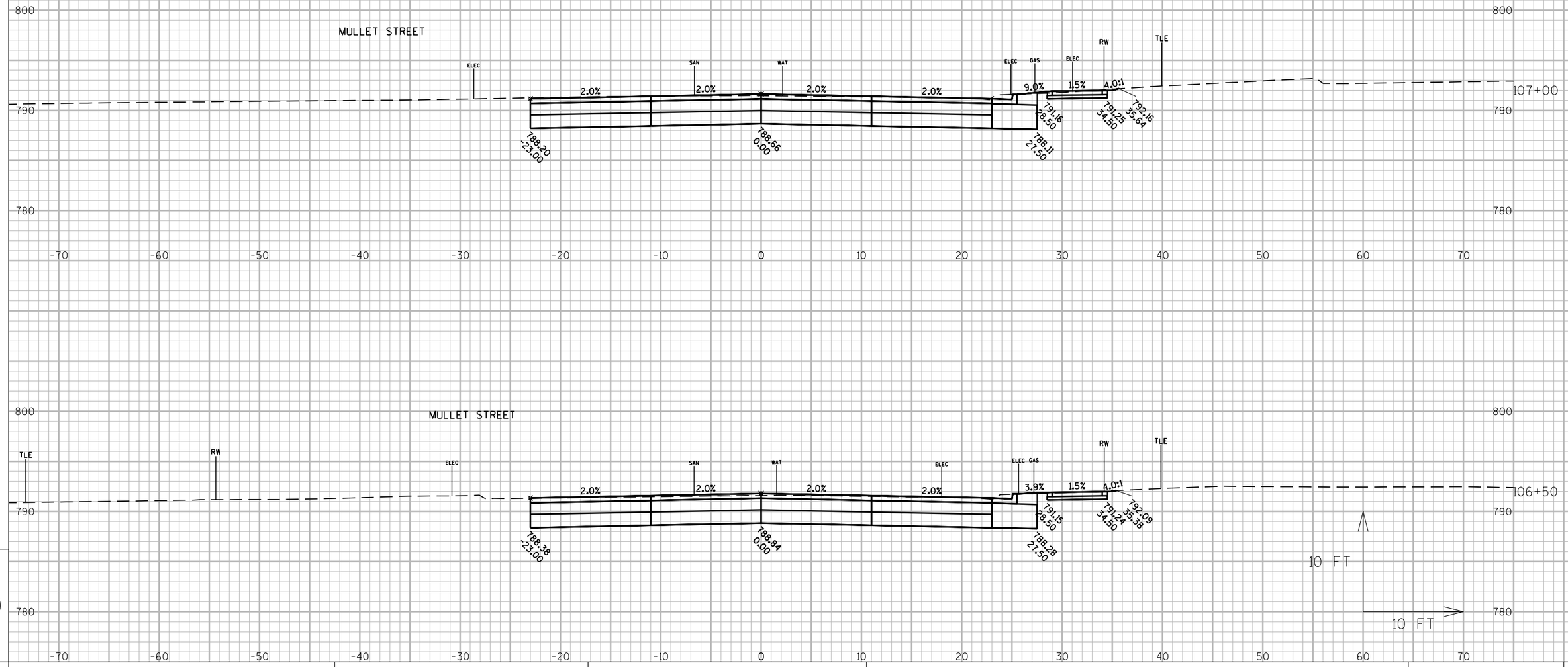
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9

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET 475	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_COOK-BRADY.DWG
LAYOUT NAME - SECTION SHEET - (6)

PLOT DATE : 7/6/2020 1:05 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT



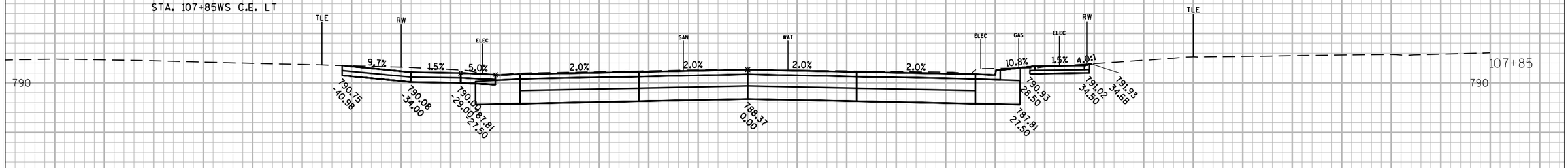
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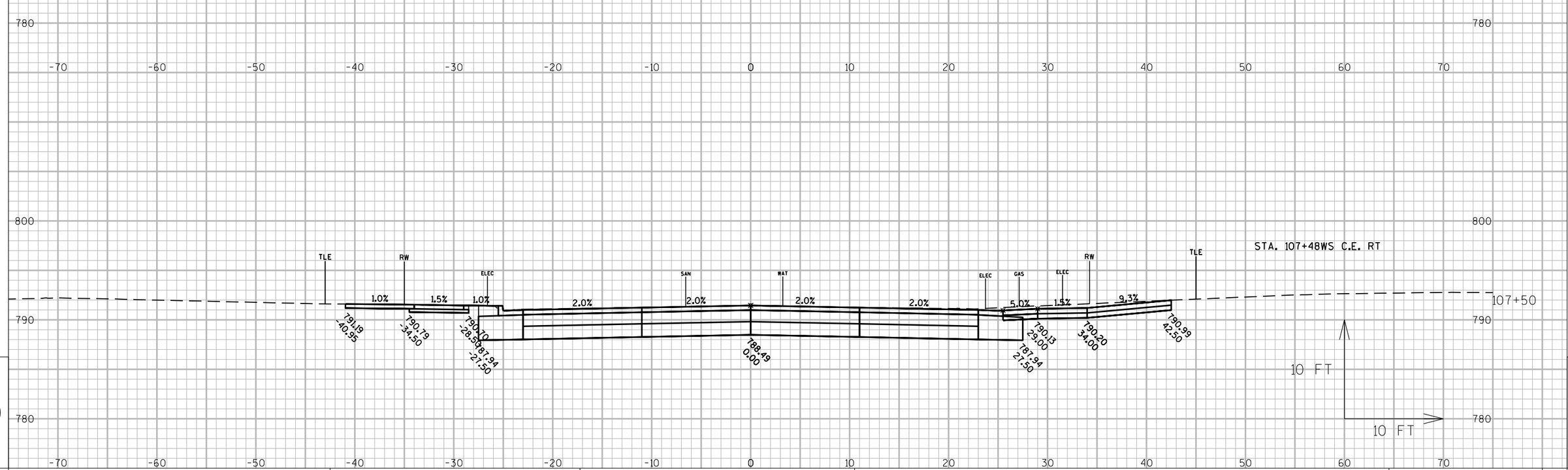
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET 476	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_COOK-BRADY.DWG
LAYOUT NAME - SECTION SHEET - (7)
PLOT DATE : 7/6/2020 1:05 PM
PLOT BY : BRAD CUNNINGHAM
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49

STA. 107+85WS C.E. LT



STA. 107+48WS C.E. RT



9

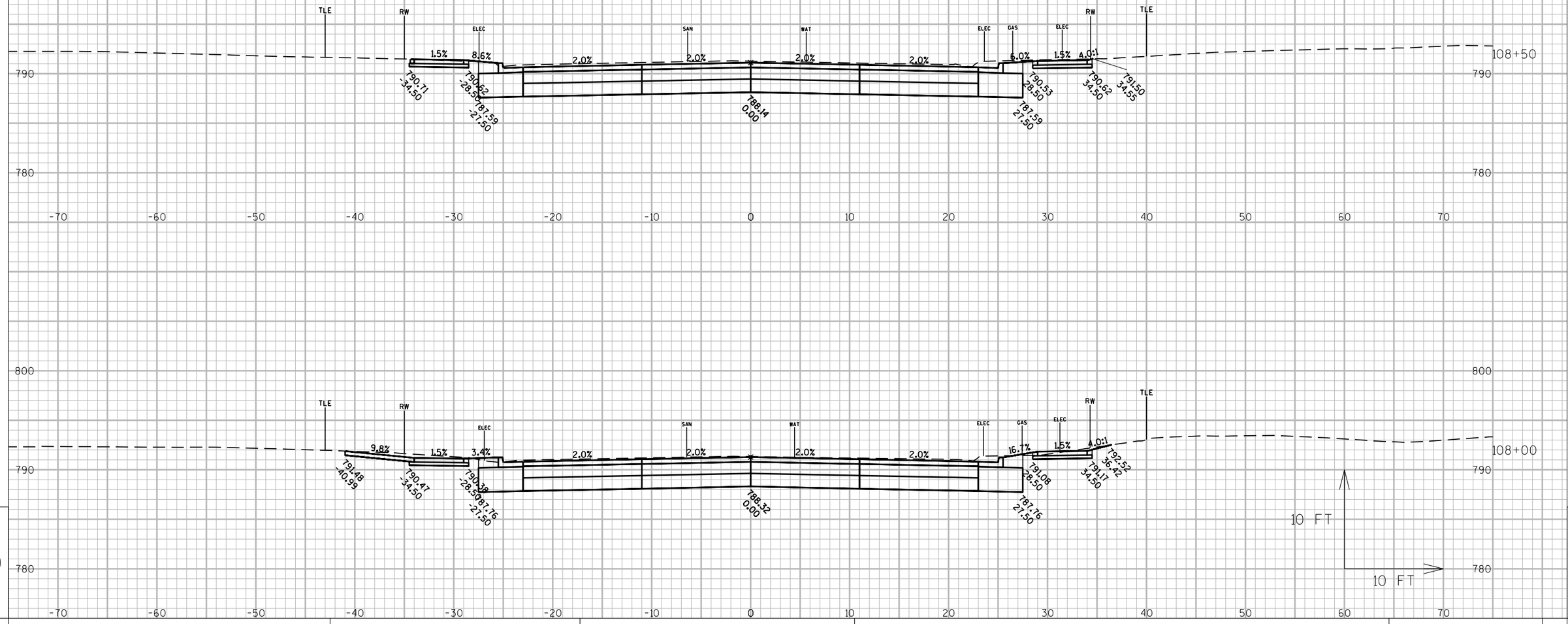
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET 477	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_COOK-BRADY.DWG
LAYOUT NAME - SECTION SHEET - (8)

PLOT DATE : 7/6/2020 1:05 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

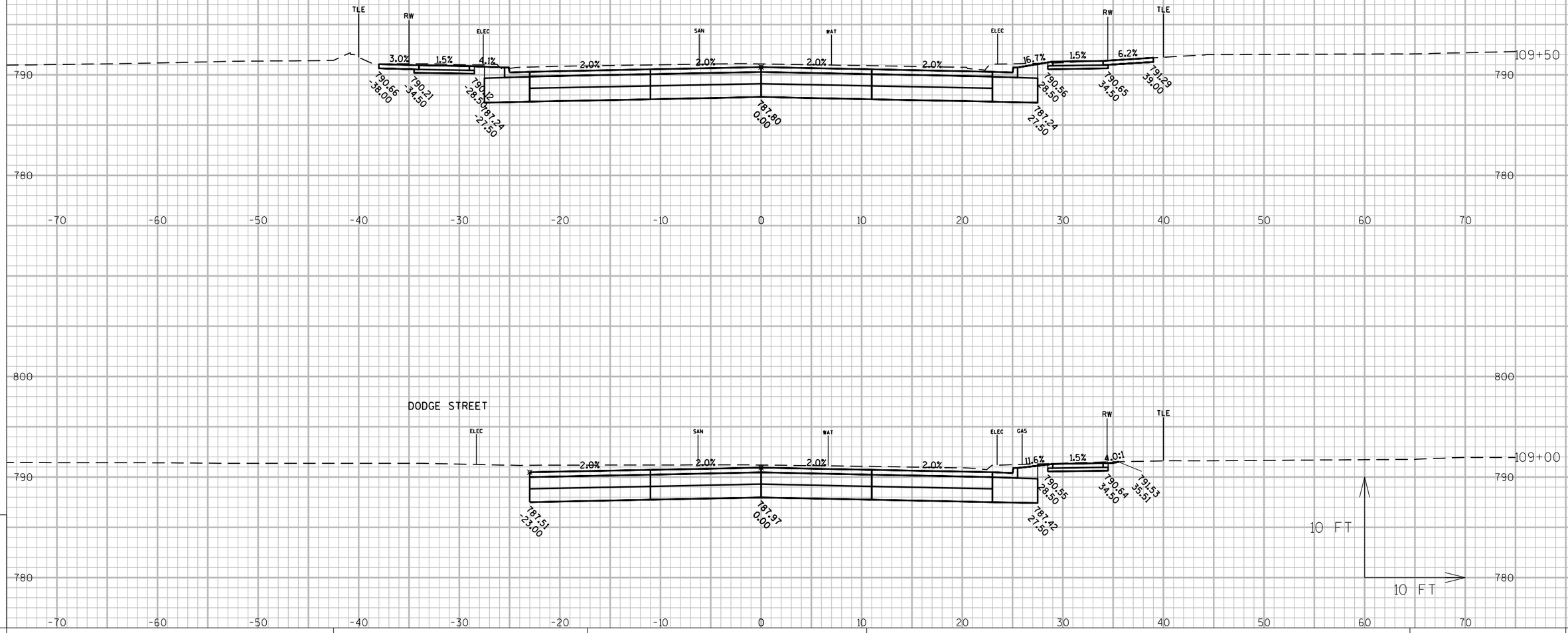
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET 478	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_COOK-BRADY.DWG
LAYOUT NAME - SECTION SHEET - (9)

PLOT DATE : 7/6/2020 1:05 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

9

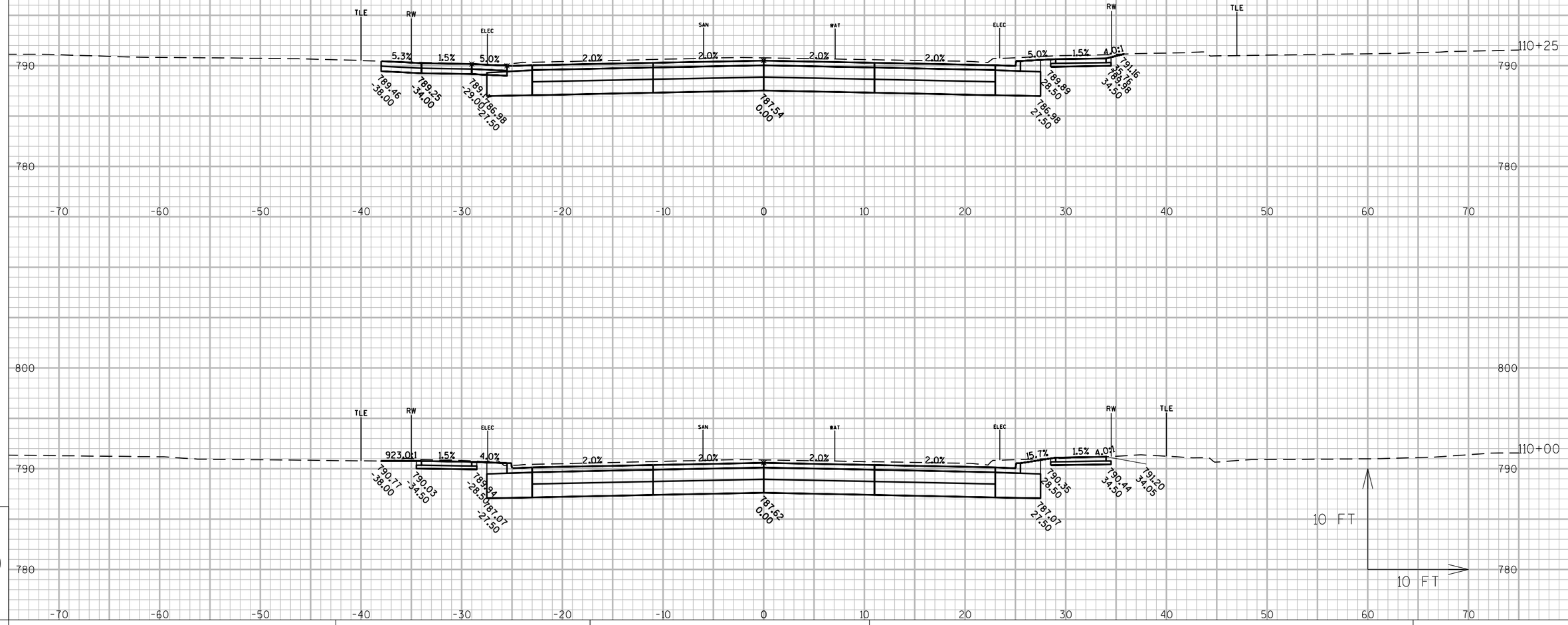
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET 479	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_COOK-BRADY.DWG
LAYOUT NAME - SECTION SHEET - (10)

PLOT DATE : 7/6/2020 1:05 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

STA. 110+25WS C.E. LT



9

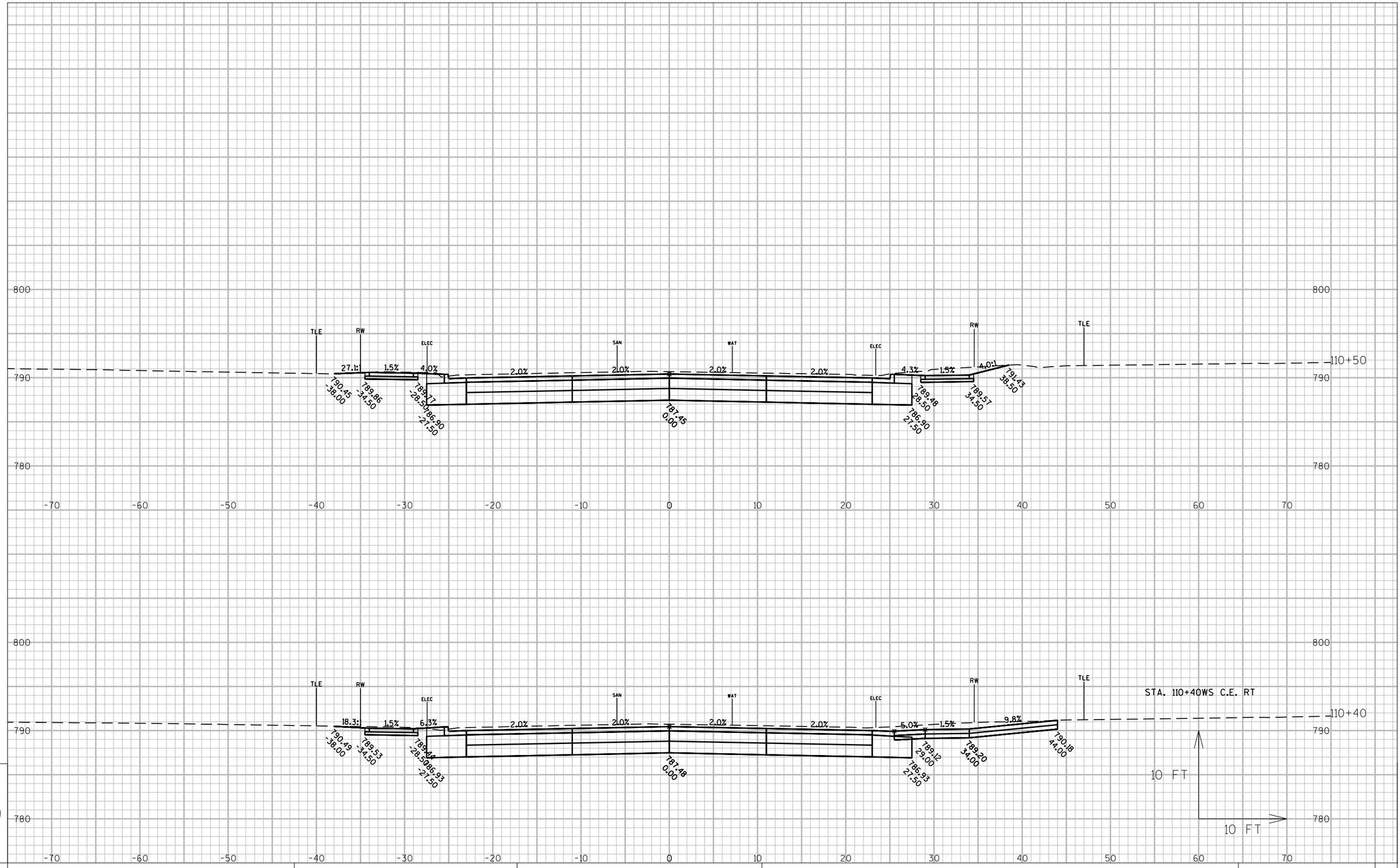
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET 480	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_COOK-BRADY.DWG
LAYOUT NAME - SECTION SHEET - (11)

PLOT DATE : 7/6/2020 1:05 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

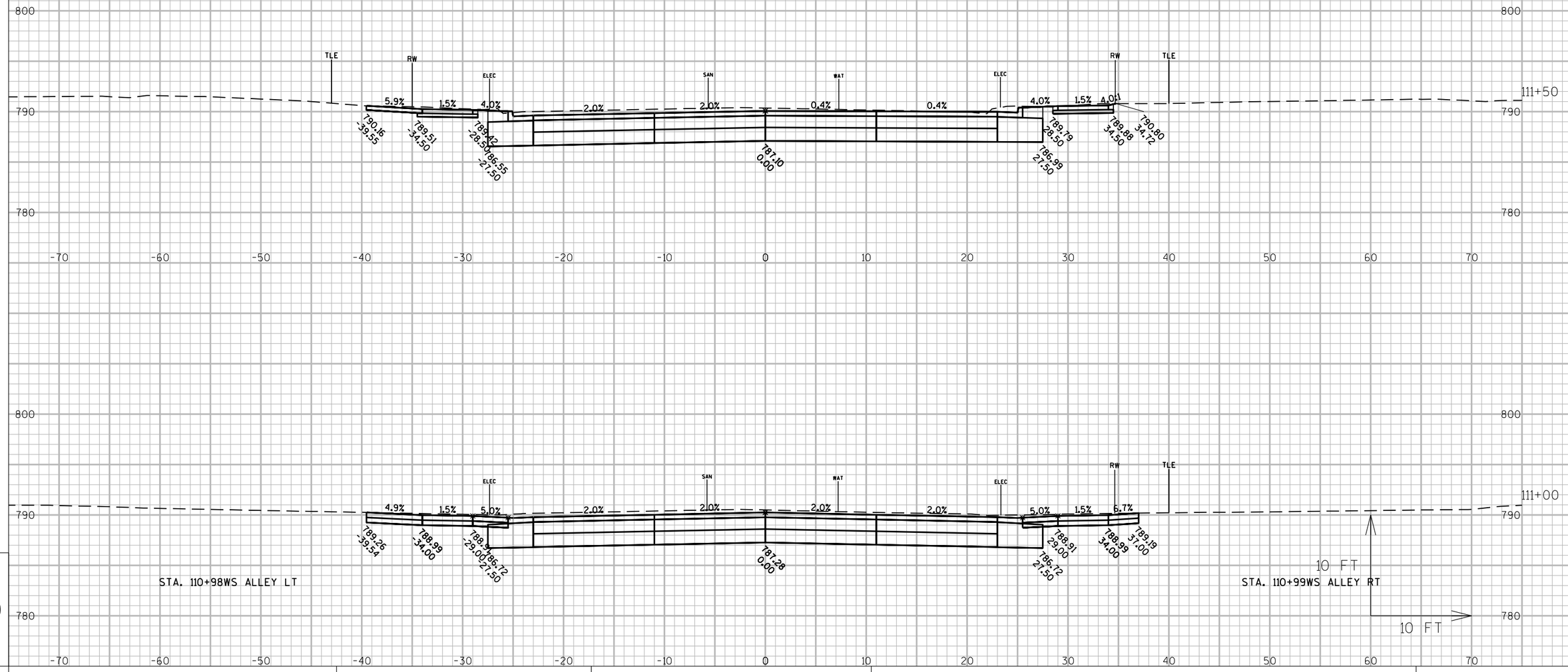


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET 481 E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_COOK-BRADY.DWG
LAYOUT NAME - SECTION SHEET - (12)

PLOT DATE : 7/6/2020 1:05 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

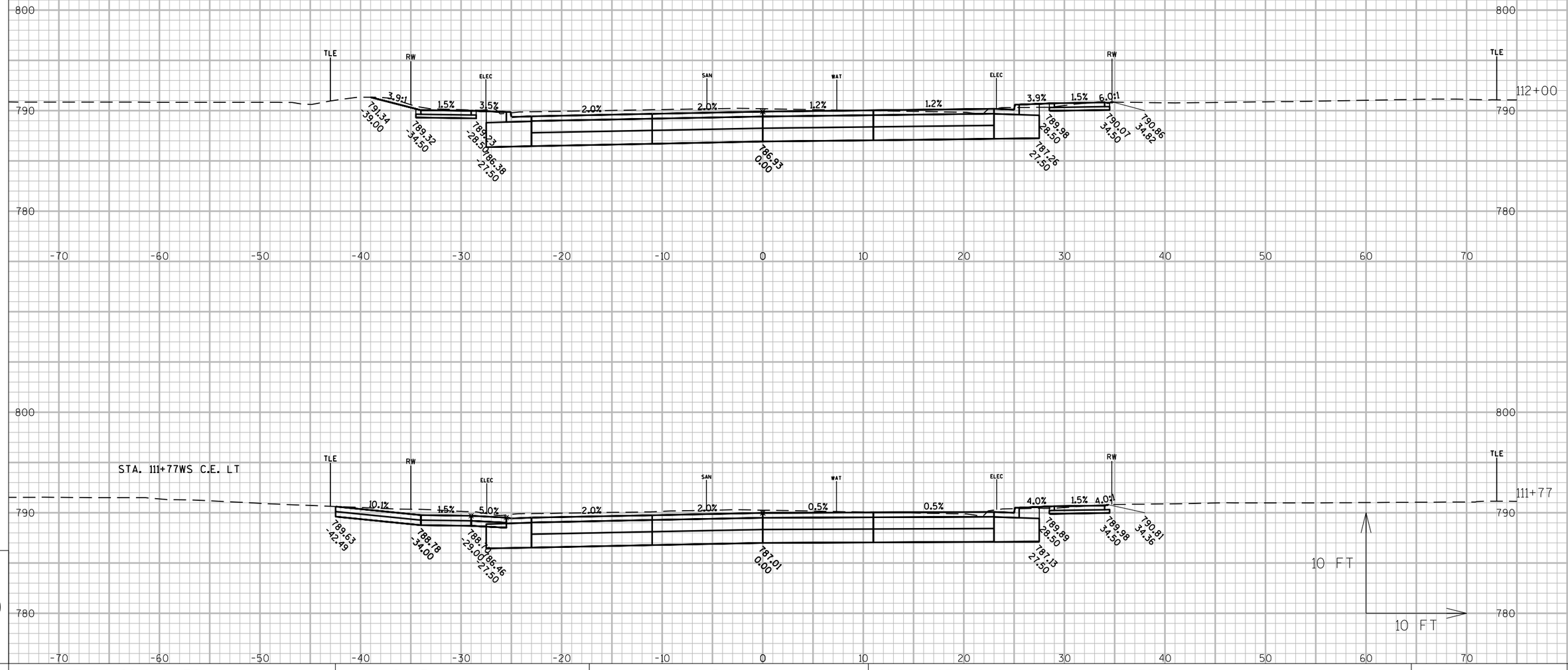
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET 482	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_COOK-BRADY.DWG
LAYOUT NAME - SECTION SHEET - (13)

PLOT DATE : 7/6/2020 1:06 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

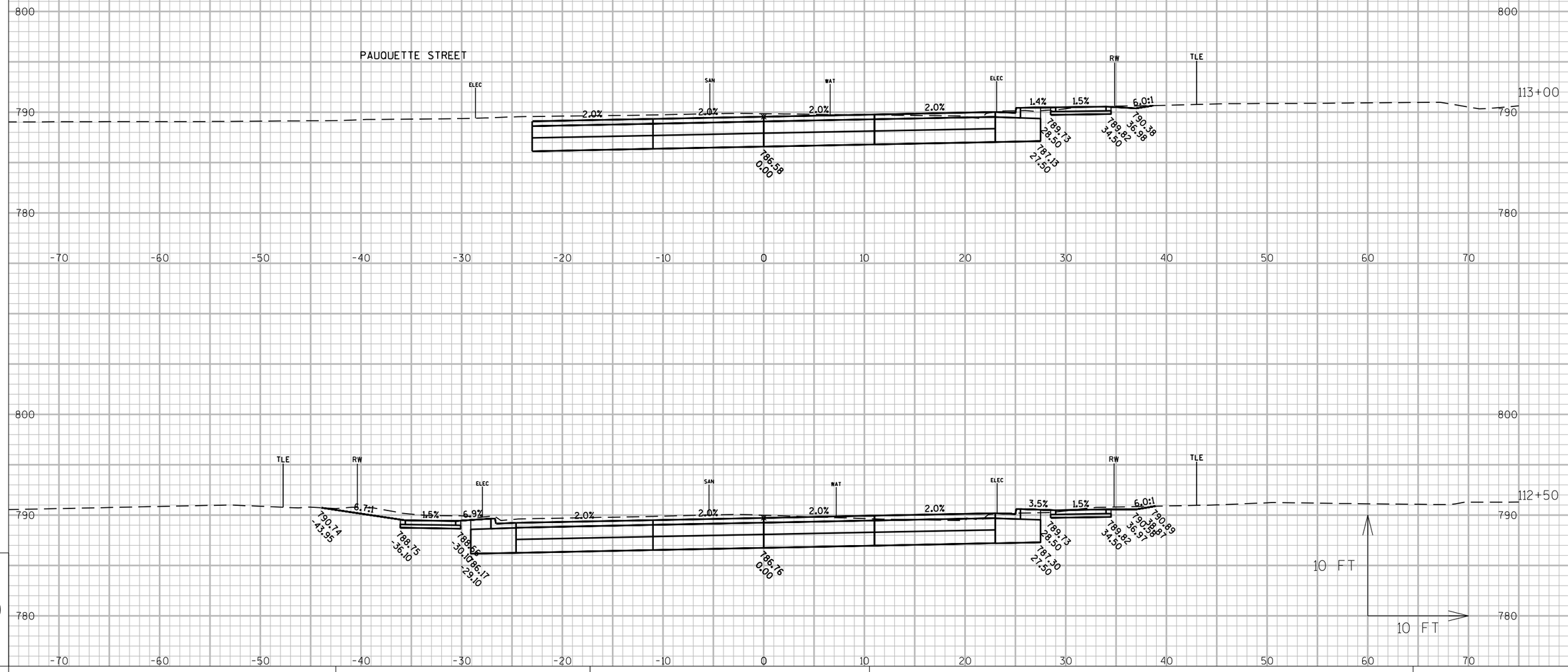
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET 483	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_COOK-BRADY.DWG
LAYOUT NAME - SECTION SHEET - (14)

PLOT DATE : 7/6/2020 1:06 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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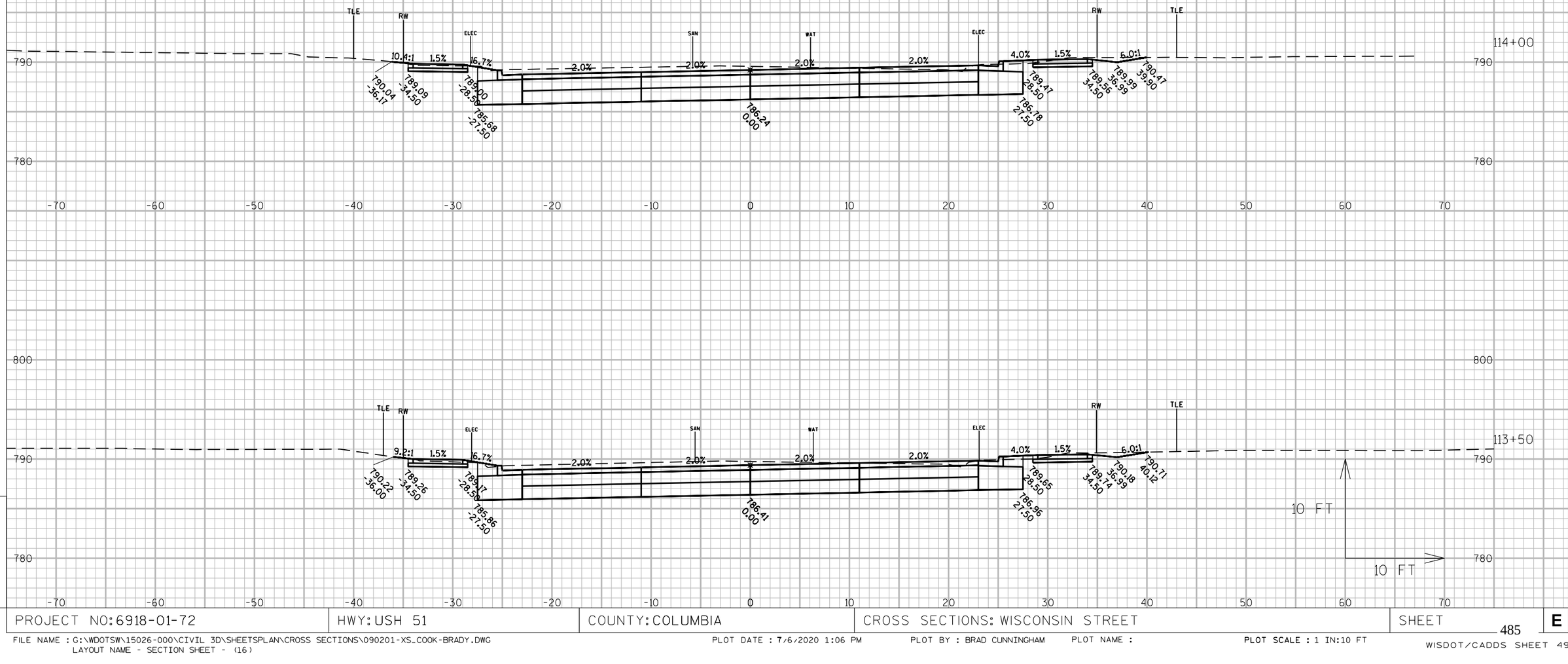
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET 484	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_COOK-BRADY.DWG
LAYOUT NAME - SECTION SHEET - (15)

PLOT DATE : 7/6/2020 1:06 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

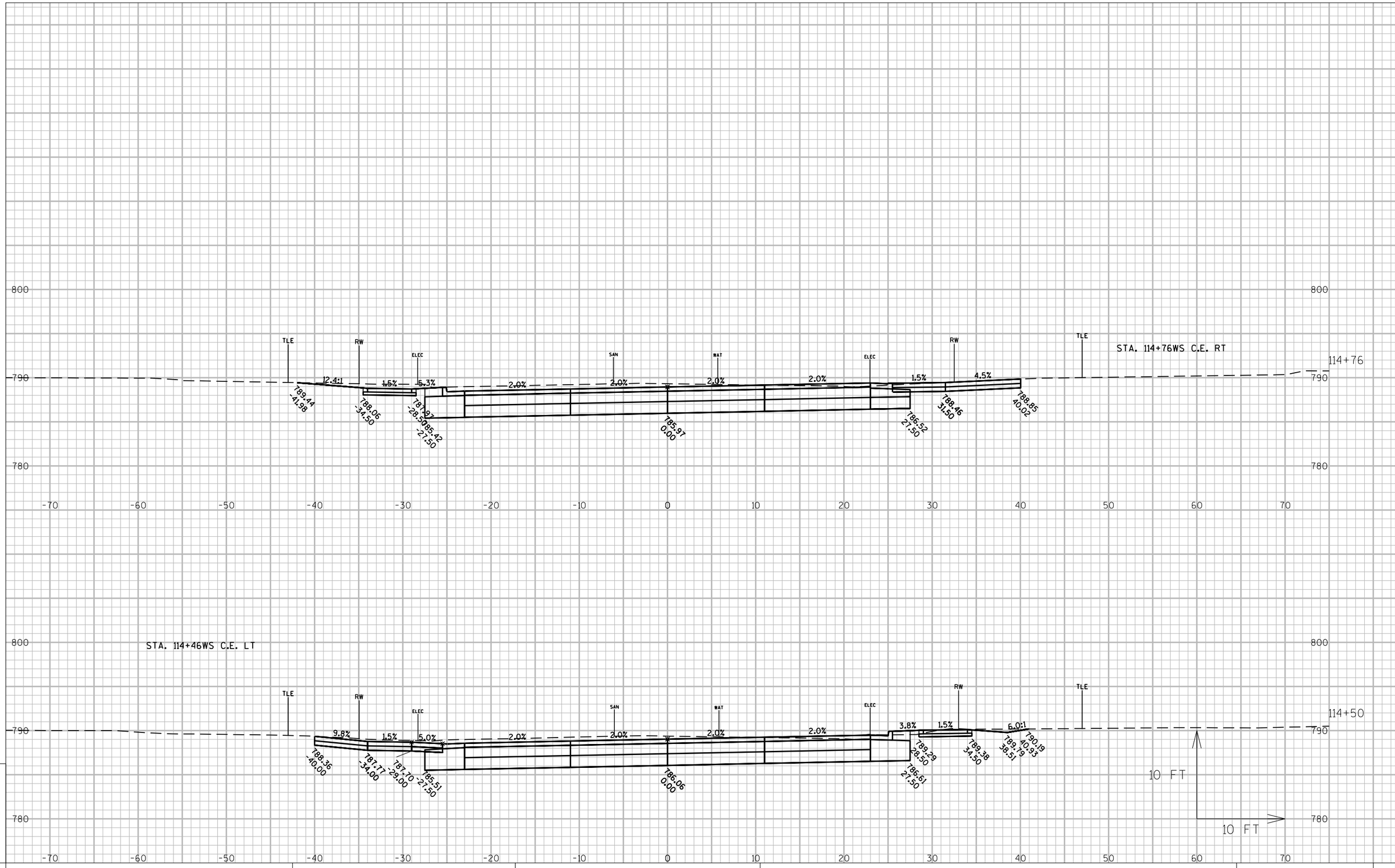


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET 485 E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_COOK-BRADY.DWG
LAYOUT NAME - SECTION SHEET - (16)

PLOT DATE : 7/6/2020 1:06 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

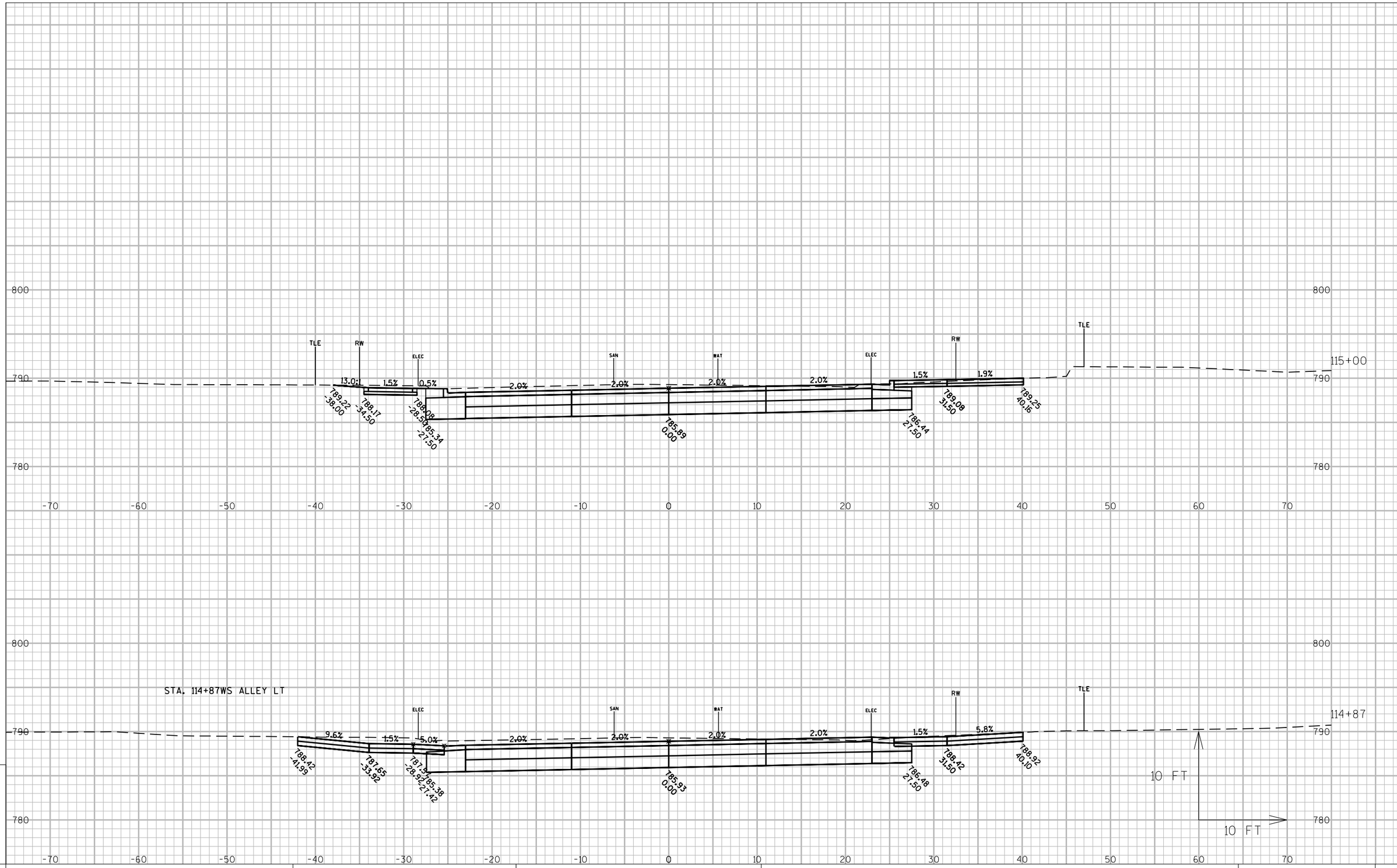
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET 486 E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_COOK-BRADY.DWG
LAYOUT NAME - SECTION SHEET - (17)

PLOT DATE : 7/6/2020 1:06 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

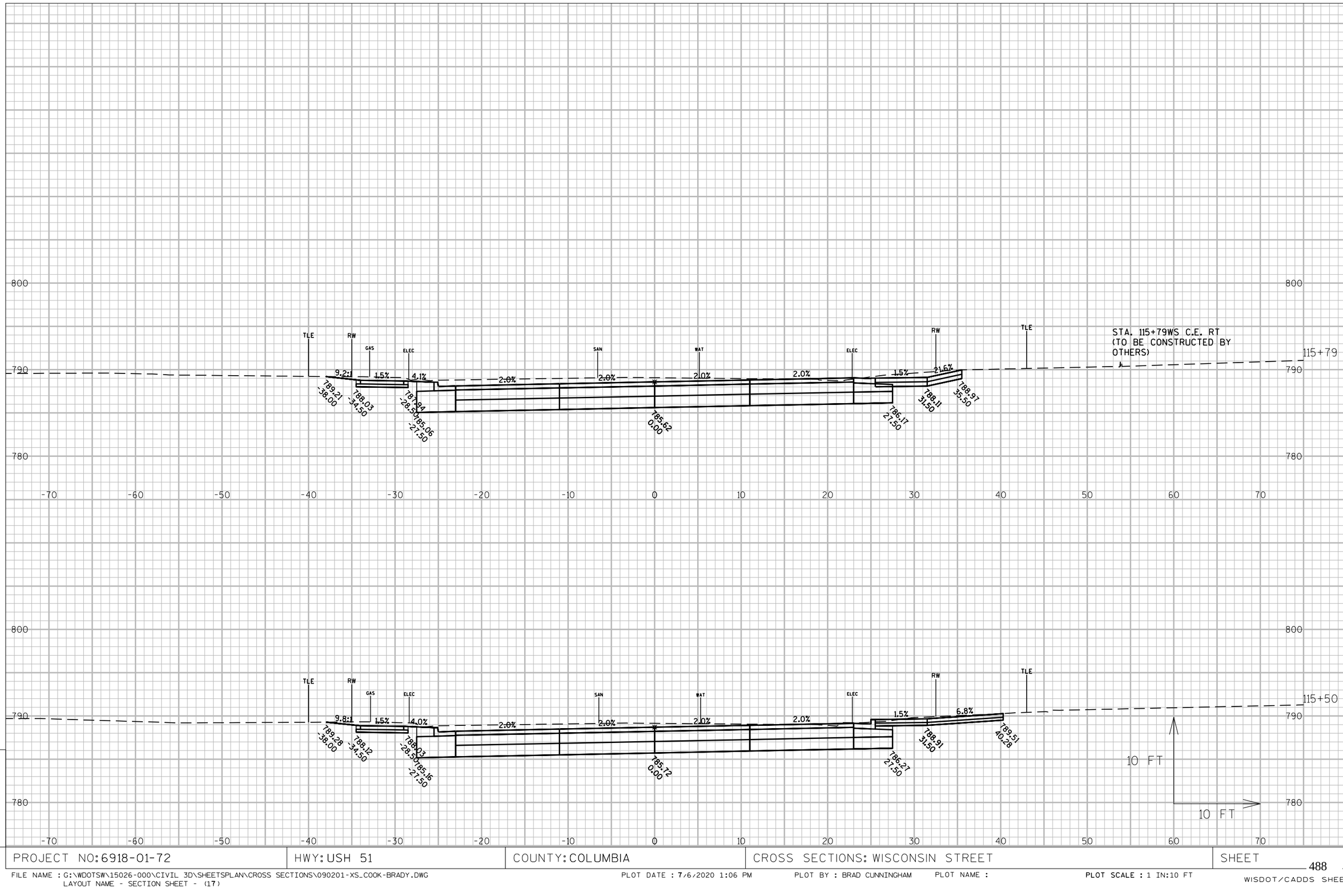


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET 487 E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_COOK-BRADY.DWG
LAYOUT NAME - SECTION SHEET - (17)

PLOT DATE : 7/6/2020 1:06 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



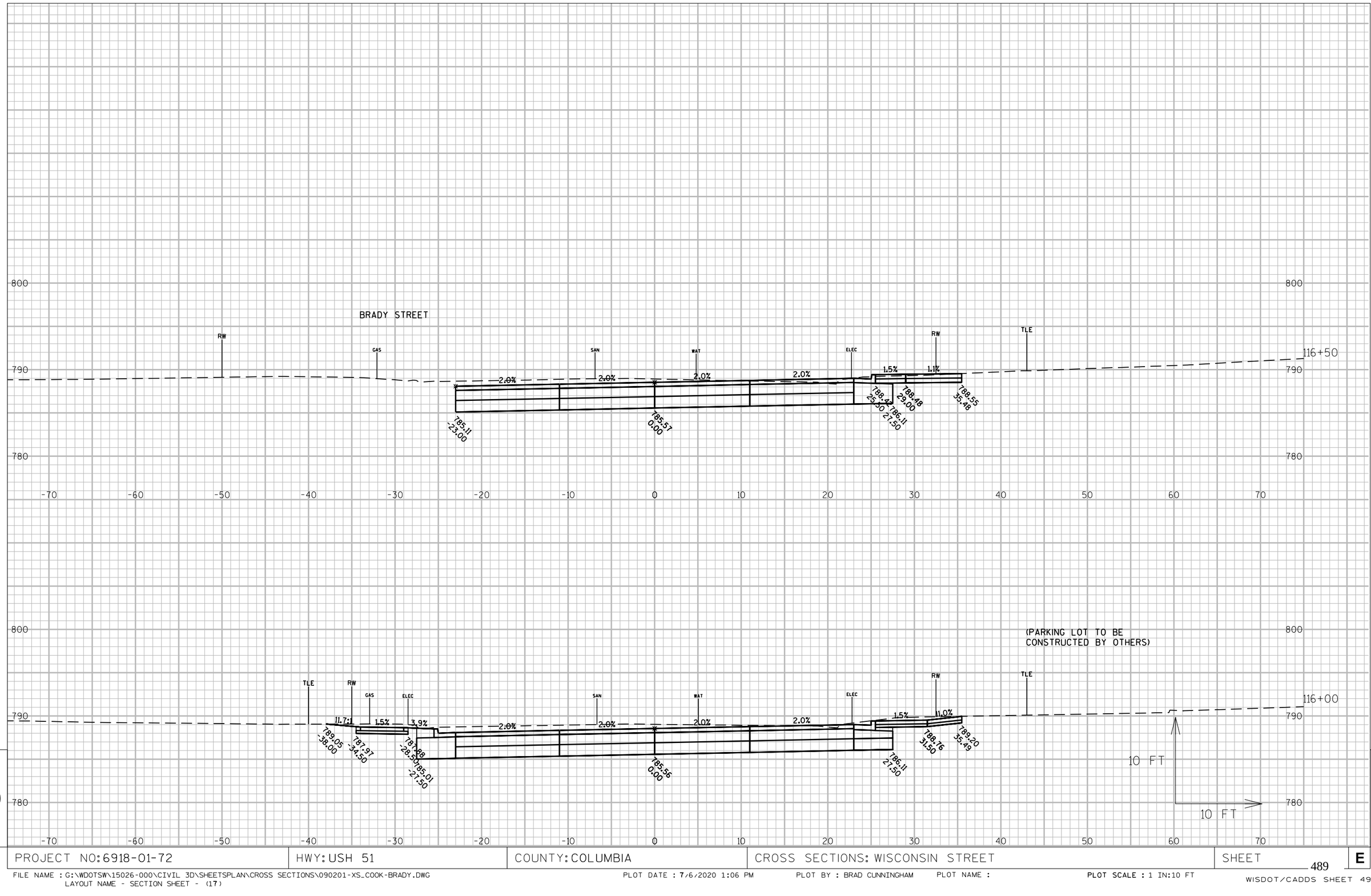
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET E

488

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_COOK-BRADY.DWG
LAYOUT NAME - SECTION SHEET - (17)

PLOT DATE : 7/6/2020 1:06 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

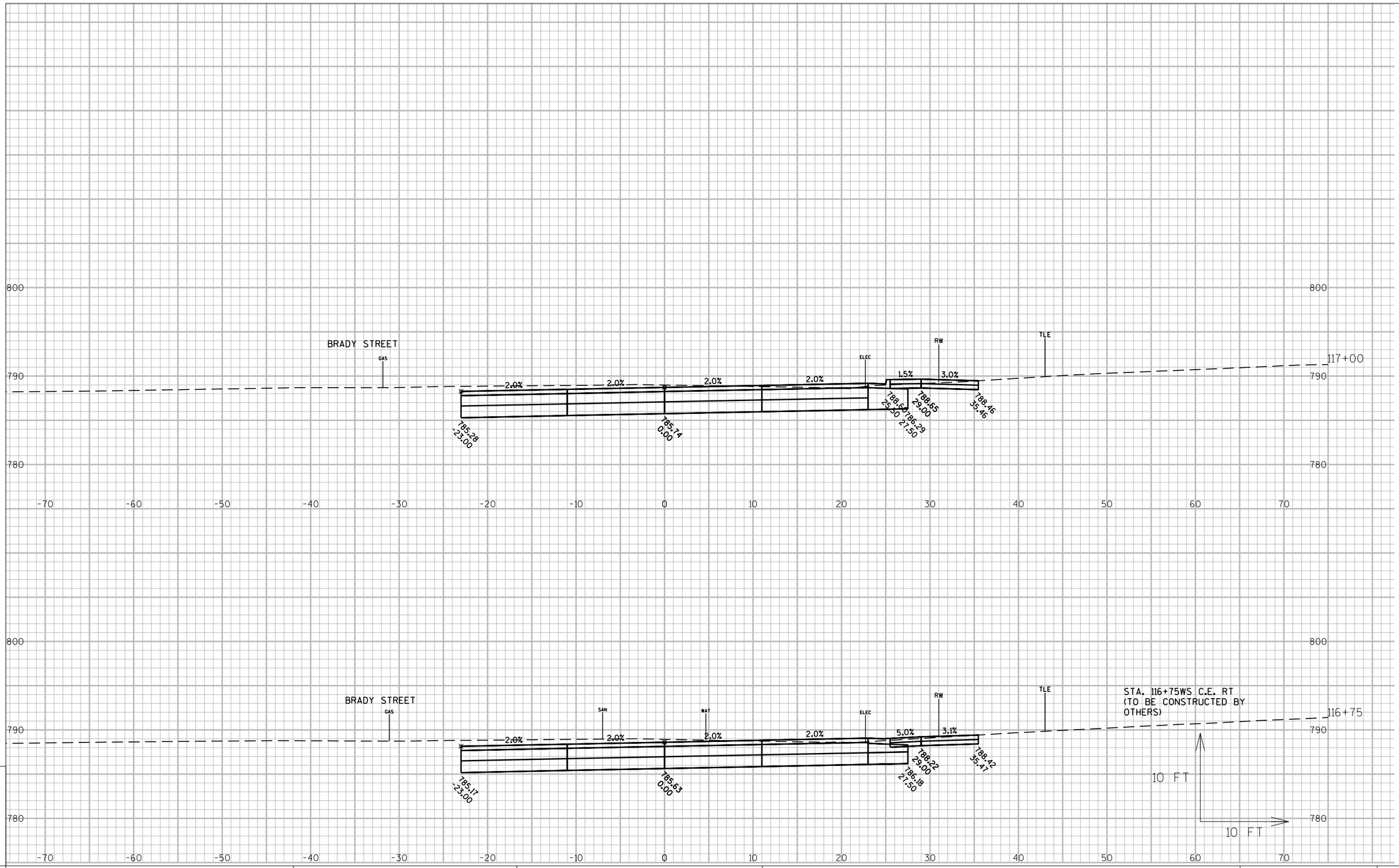
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET 489 E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_COOK-BRADY.DWG
LAYOUT NAME - SECTION SHEET - (17)

PLOT DATE : 7/6/2020 1:06 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

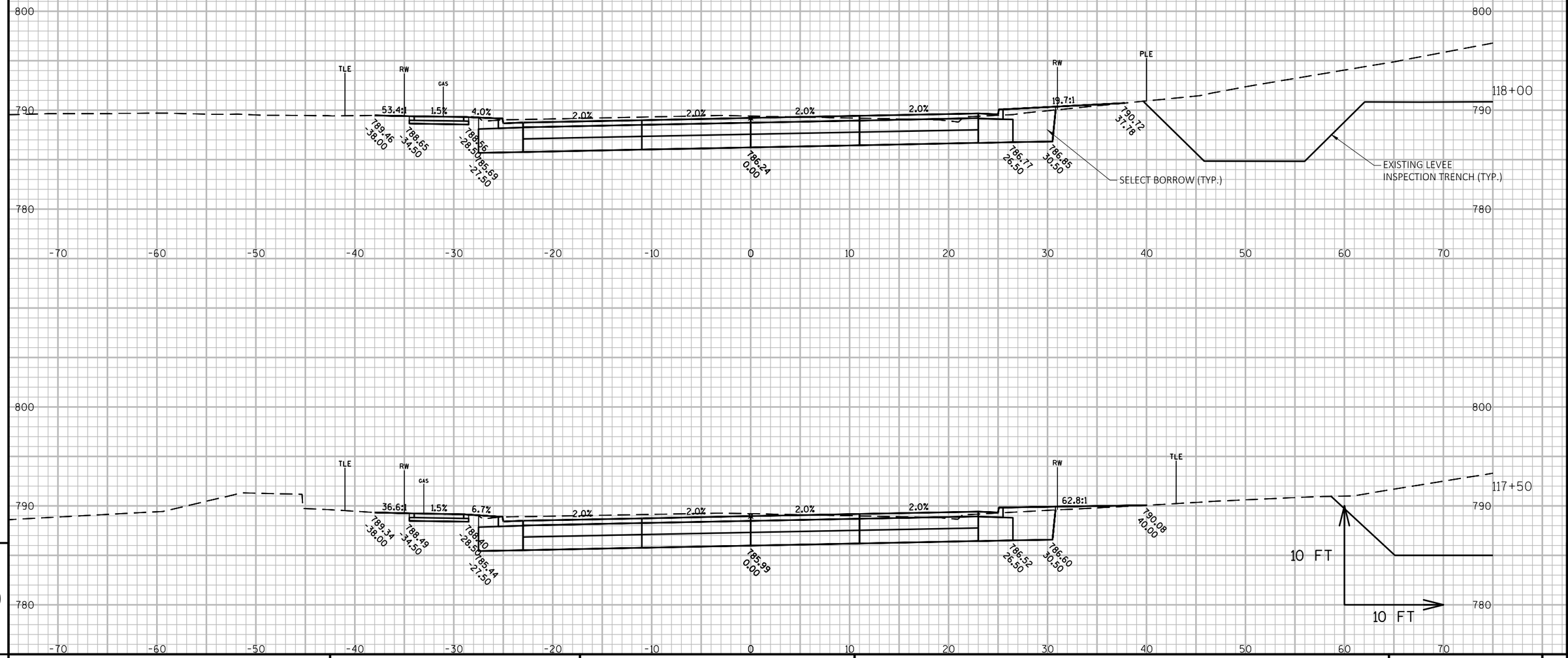


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_COOK-BRADY.DWG
LAYOUT NAME - SECTION SHEET - (17)

PLOT DATE : 7/6/2020 1:06 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

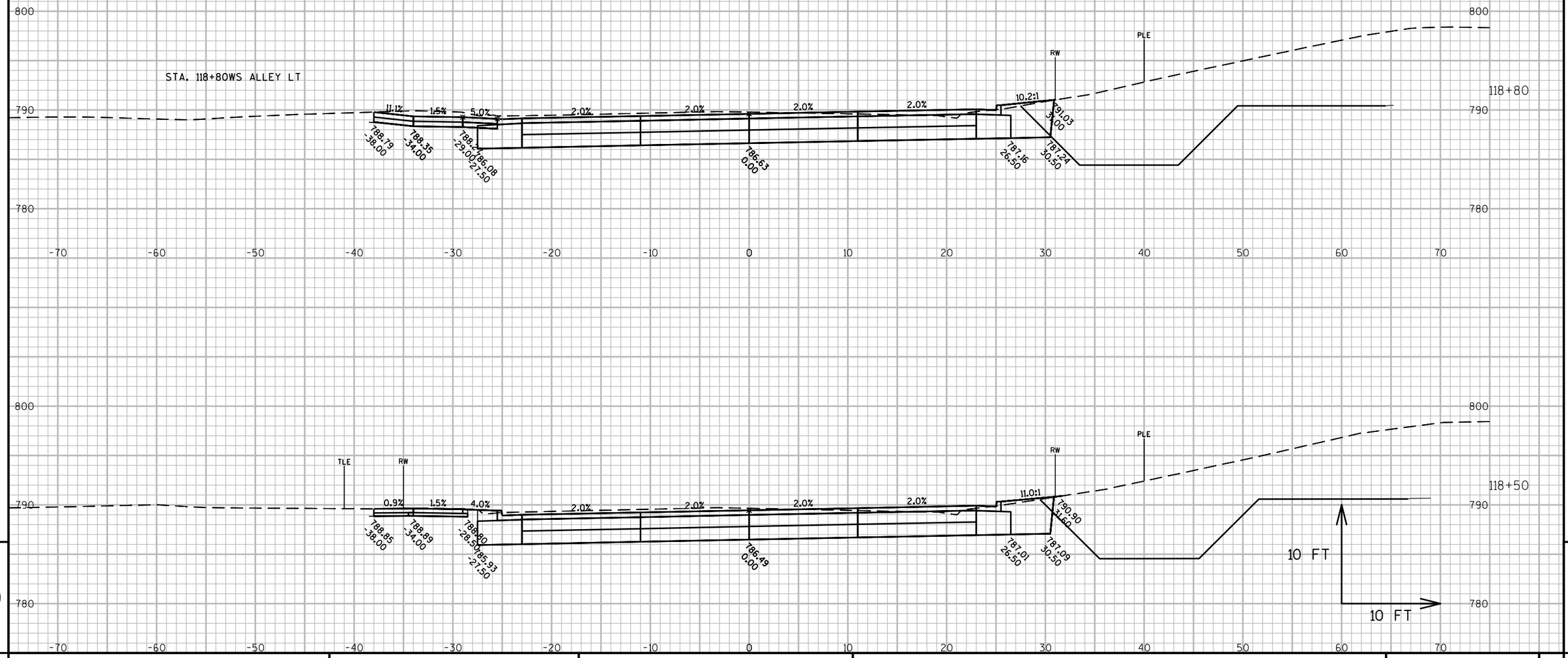


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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (1)
PLOT DATE : 7/6/2020 12:58 PM
PLOT BY : BRAD CUNNINGHAM
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49

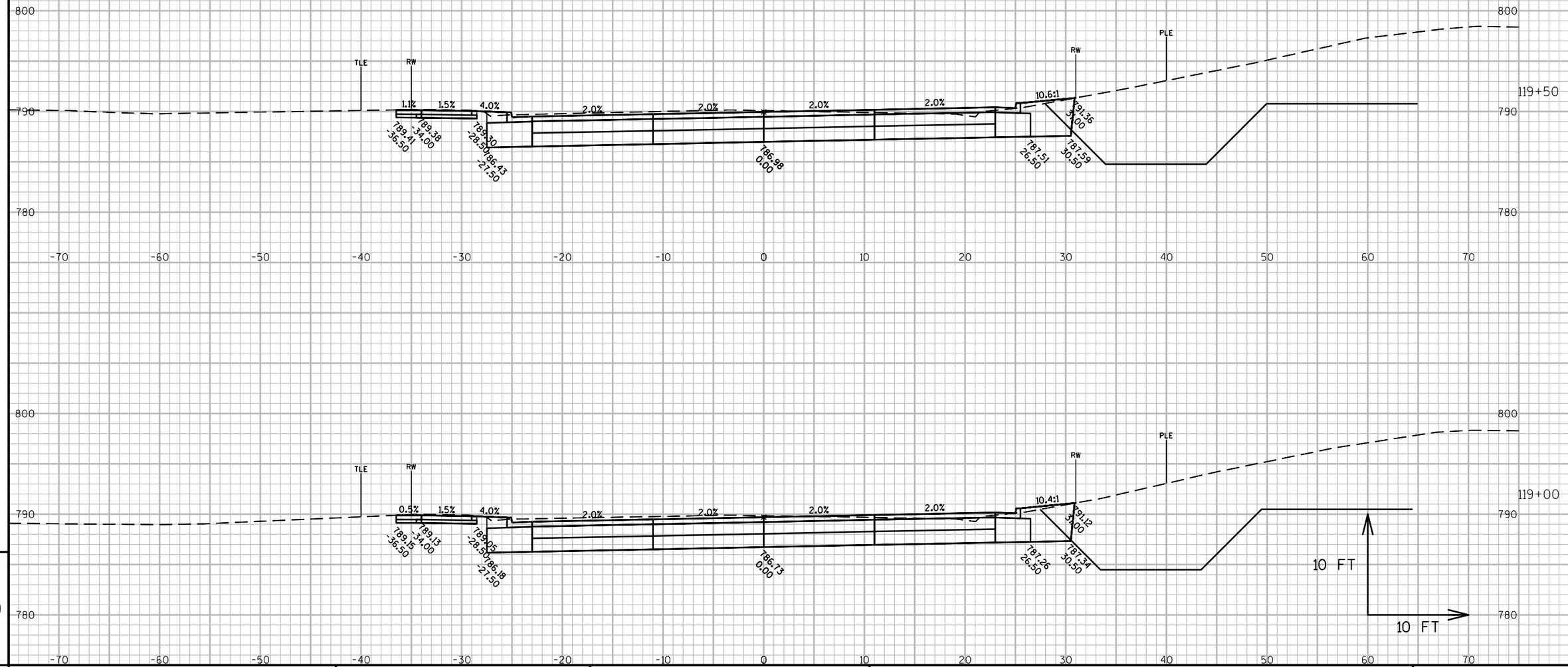


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (2)

PLOT DATE : 7/6/2020 12:58 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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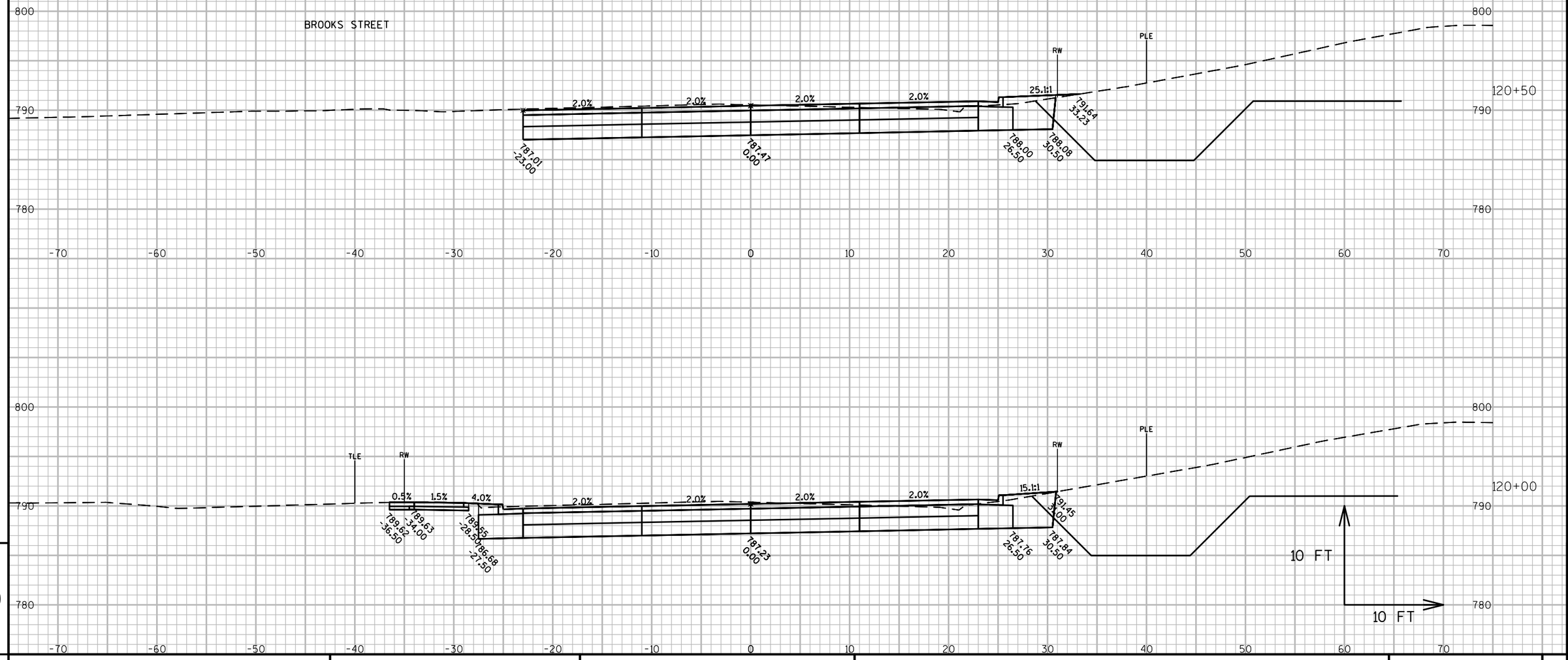
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (3)

PLOT DATE : 7/6/2020 12:58 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

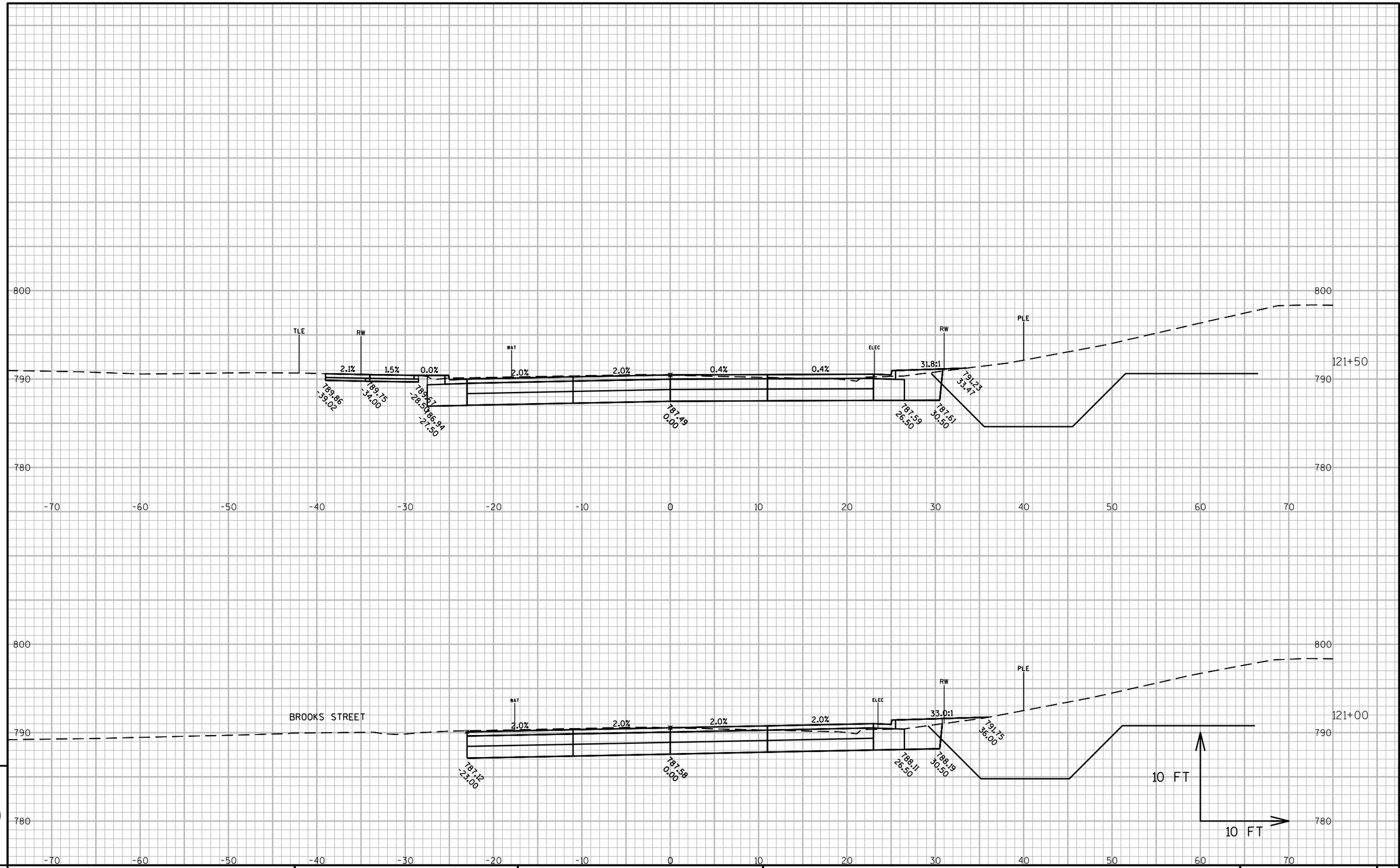


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET 494	E

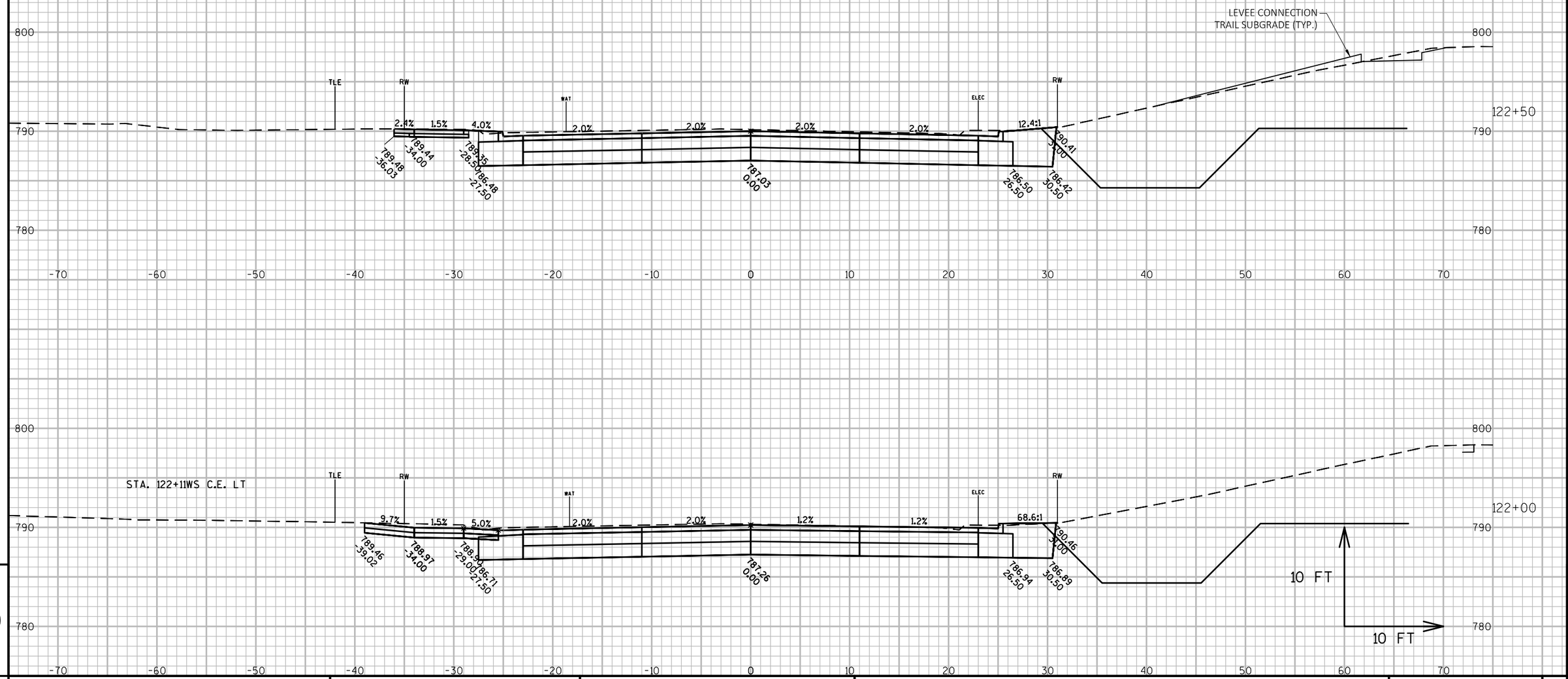
FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (4)

PLOT DATE : 7/6/2020 12:59 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



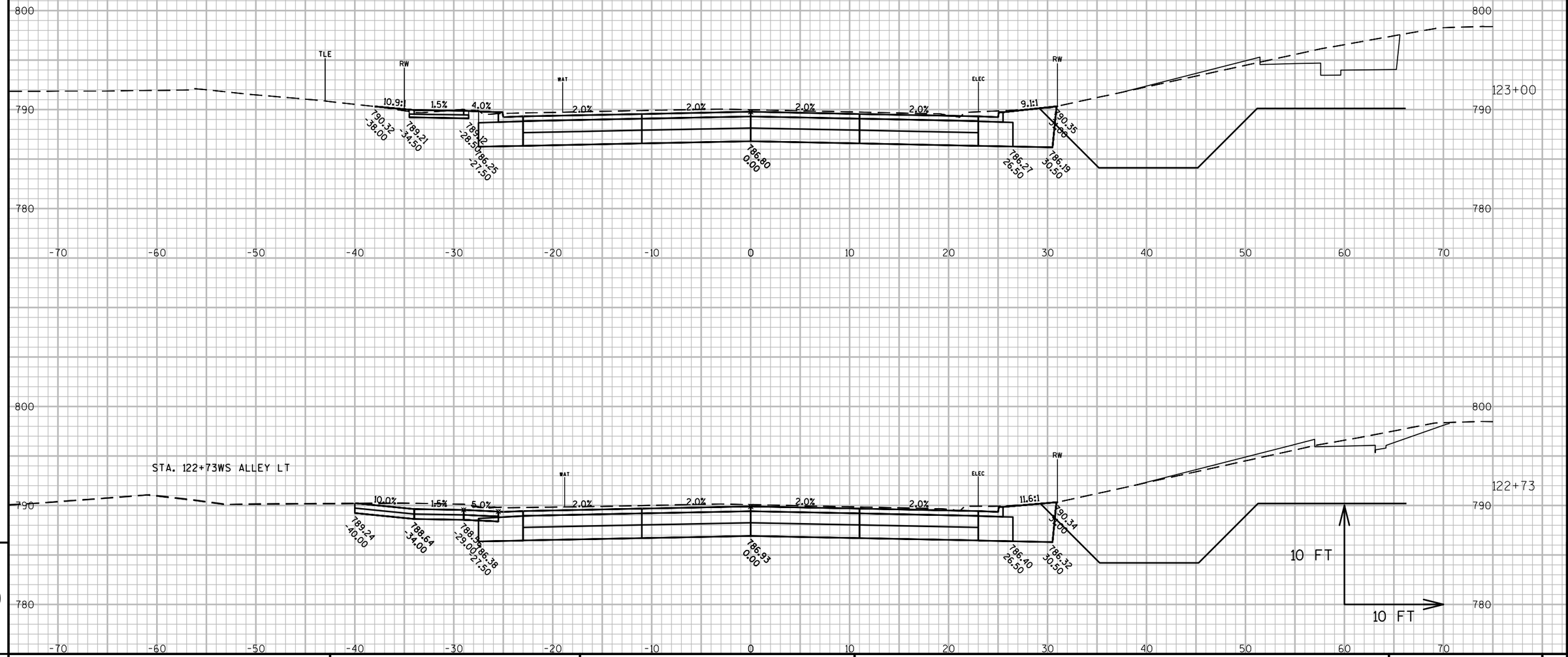
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET 495	E



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (6)

PLOT DATE : 7/6/2020 12:59 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT



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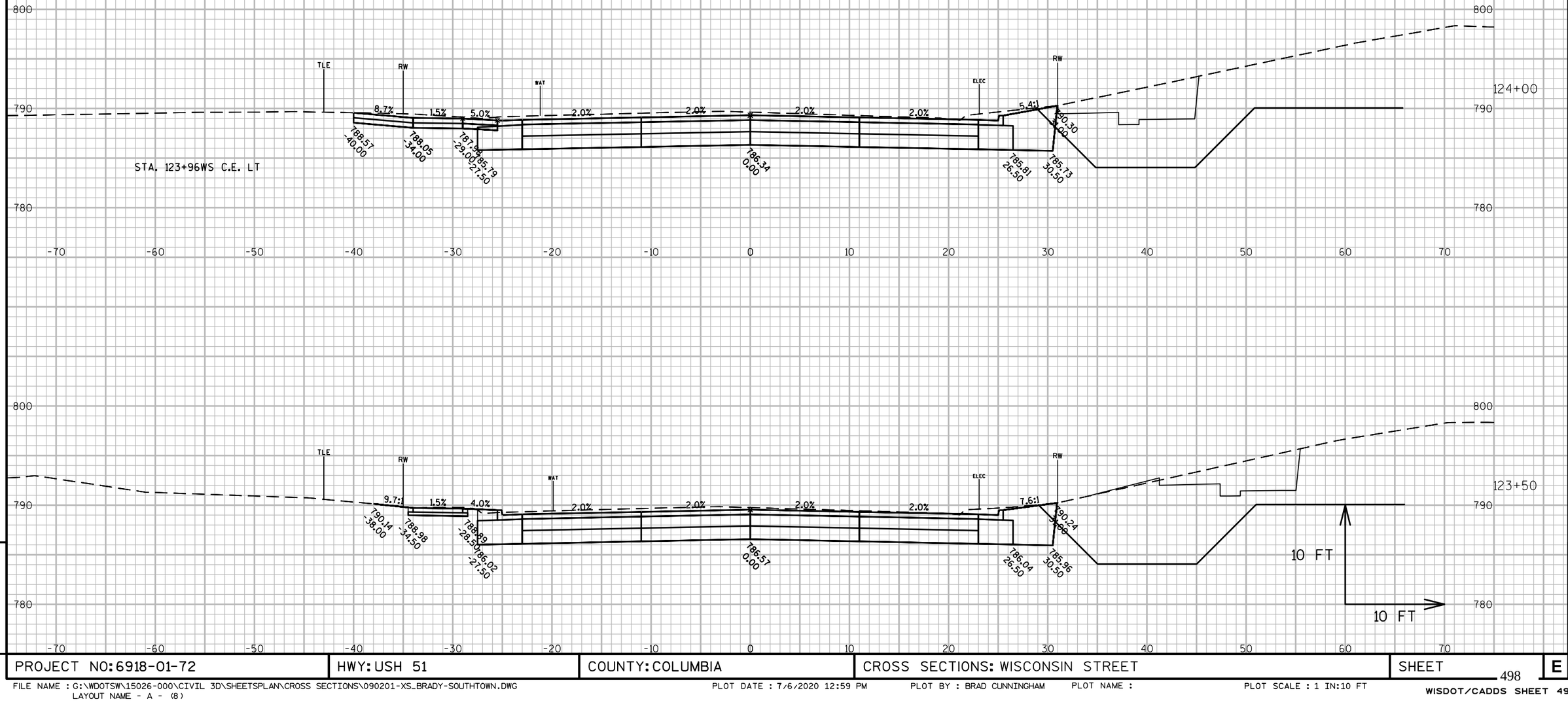
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (7)

PLOT DATE : 7/6/2020 12:59 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

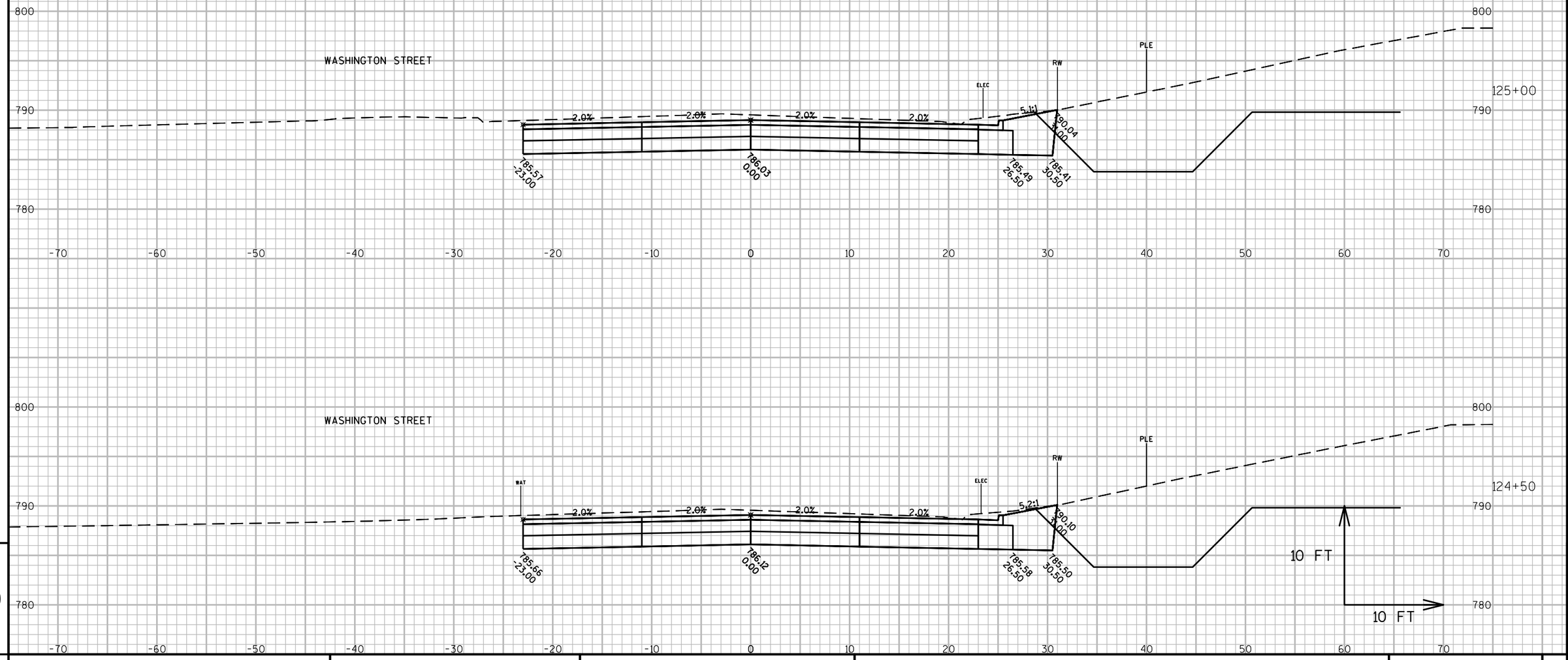


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (8)

PLOT DATE : 7/6/2020 12:59 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

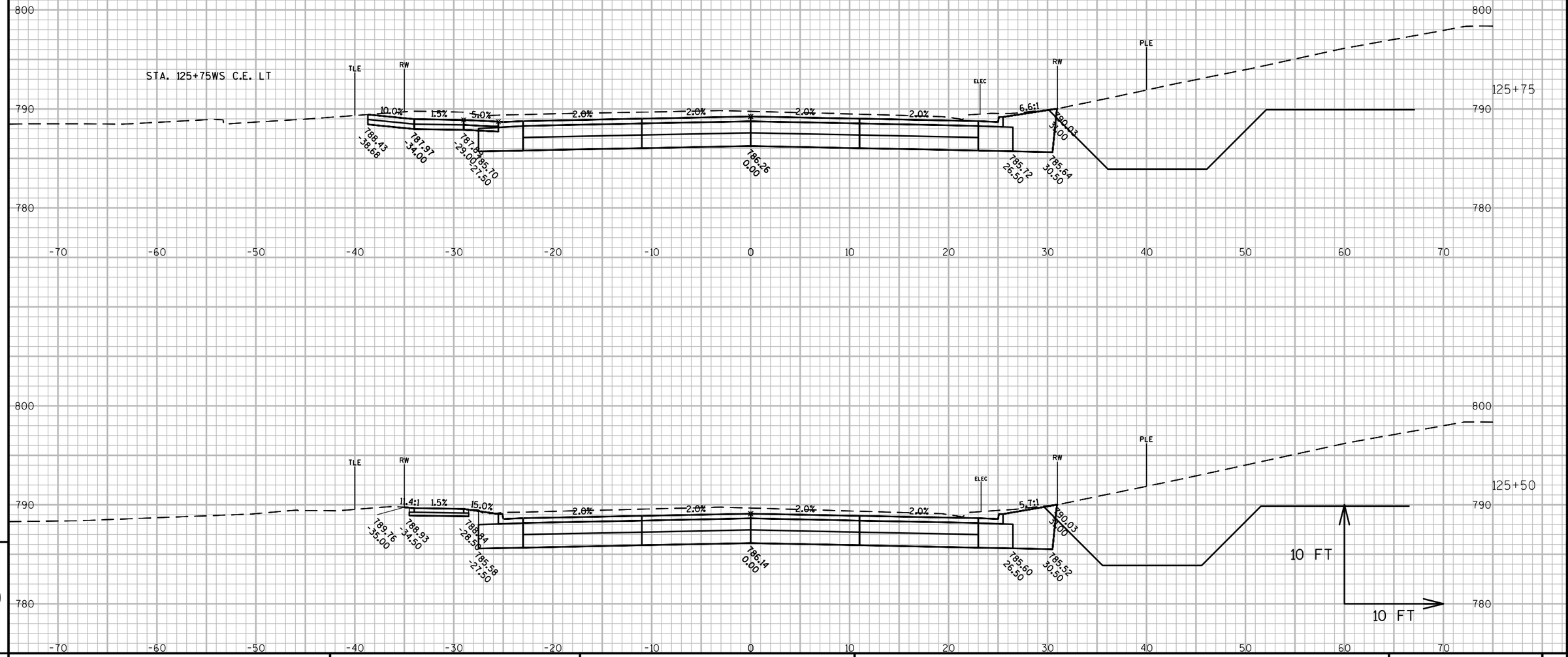


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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (9)
PLOT DATE : 7/6/2020 12:59 PM
PLOT BY : BRAD CUNNINGHAM
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



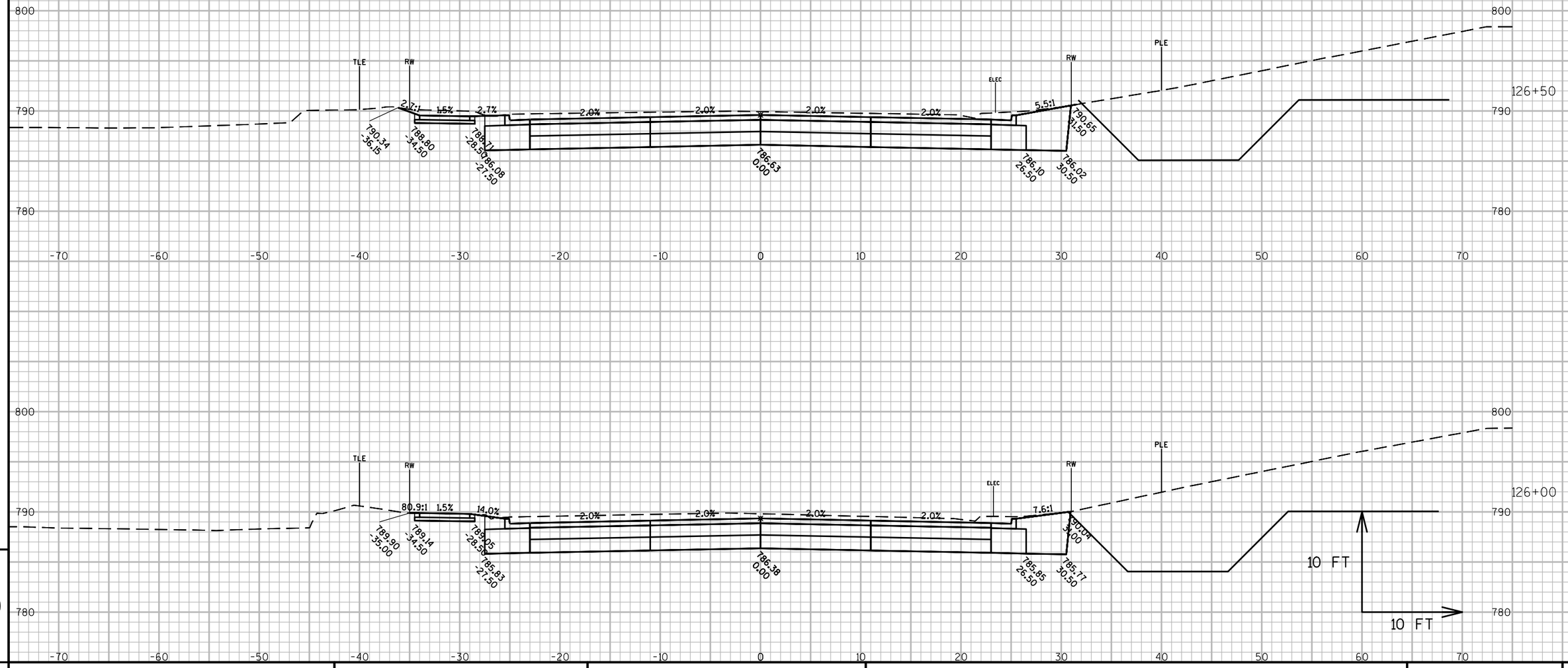
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

500

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (10)

PLOT DATE : 7/6/2020 12:59 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



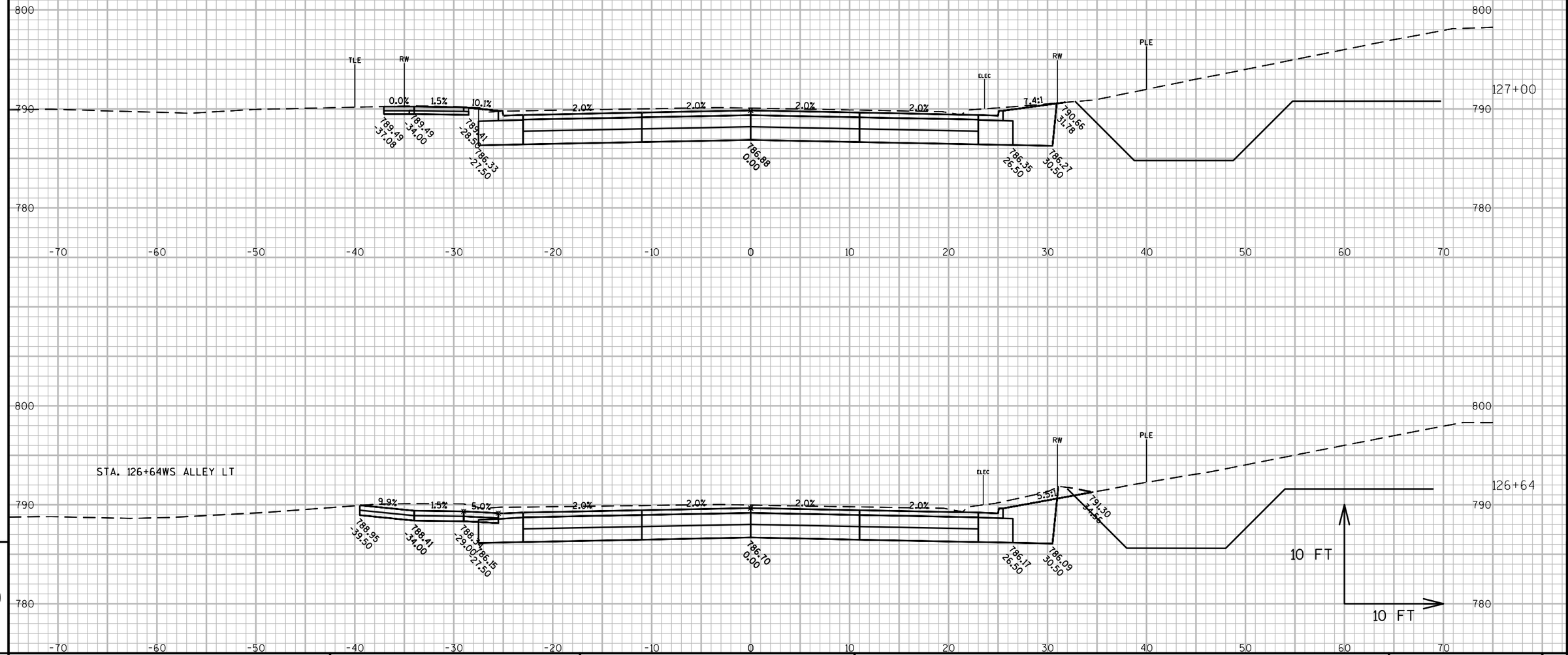
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9

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (11)

PLOT DATE : 7/6/2020 12:59 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

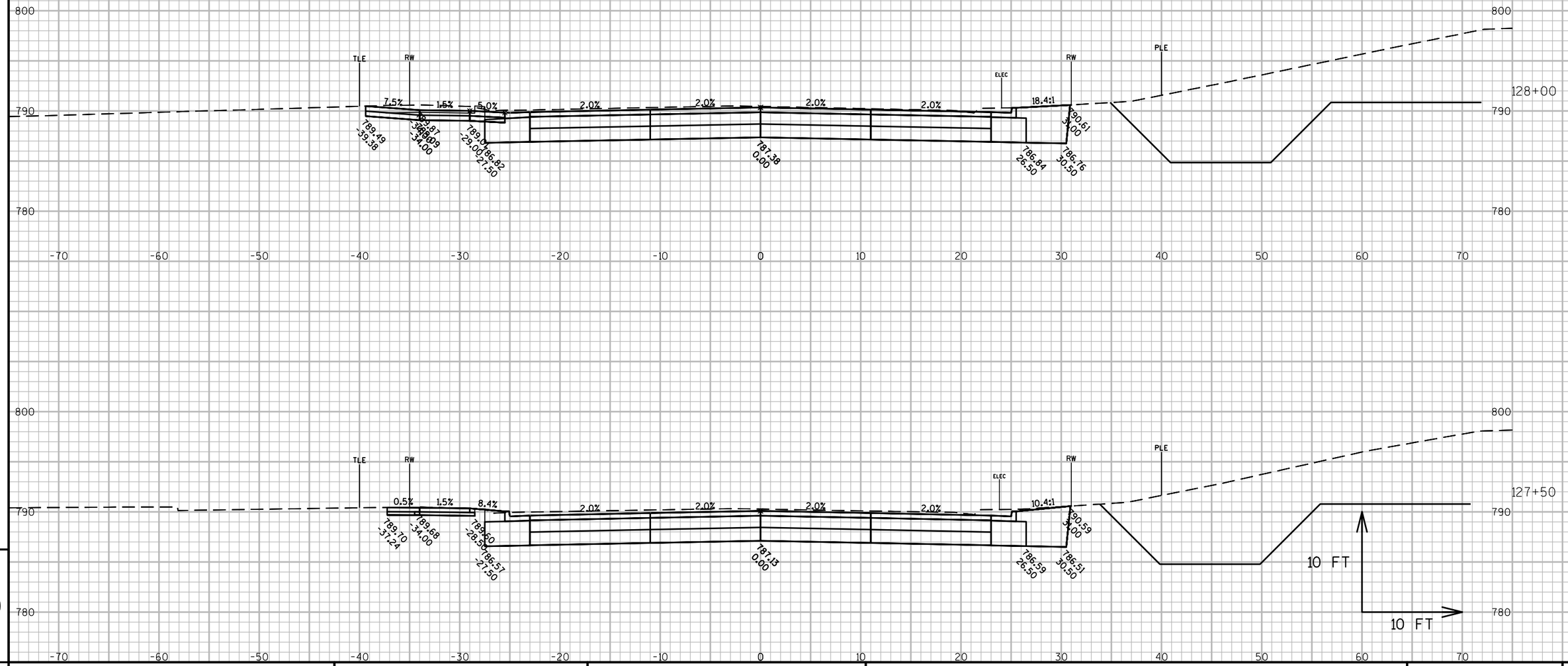


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (12)

PLOT DATE : 7/6/2020 1:00 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

9

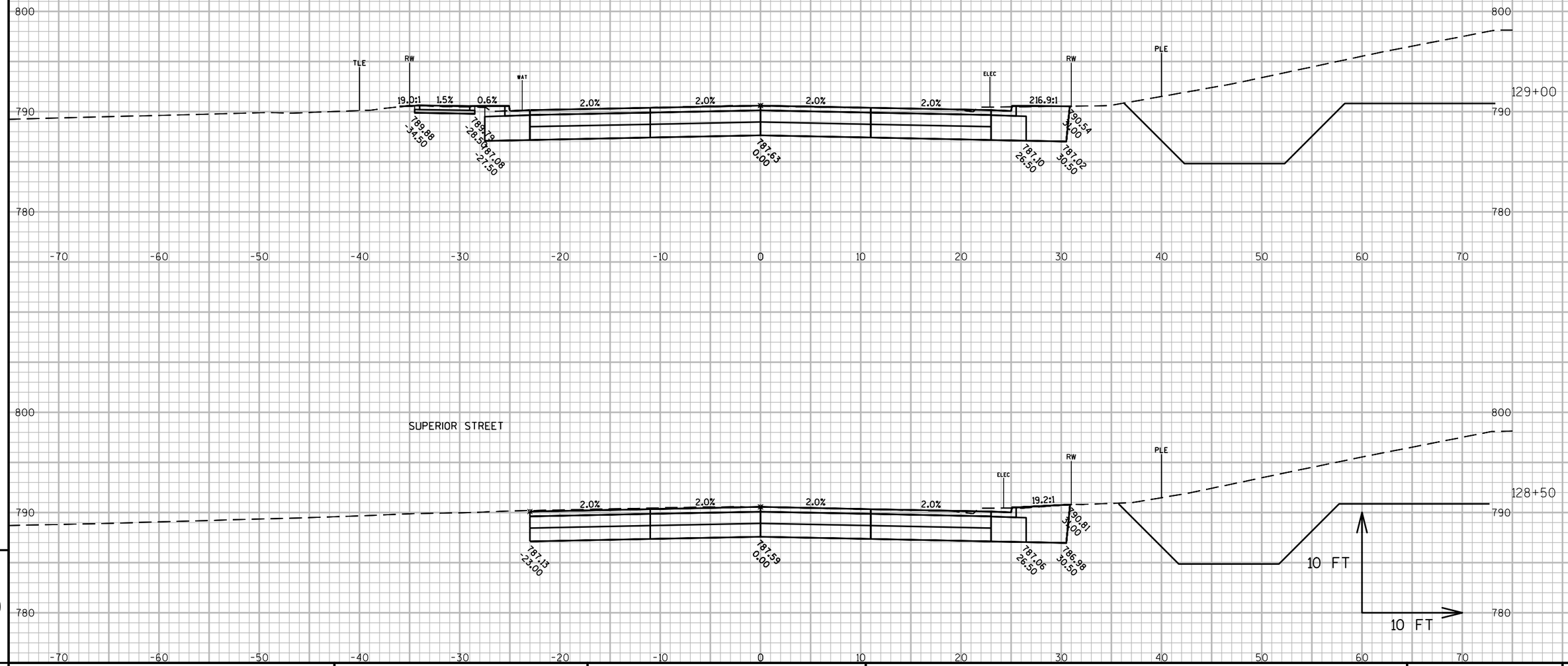
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

503

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (13)

PLOT DATE : 7/6/2020 1:00 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

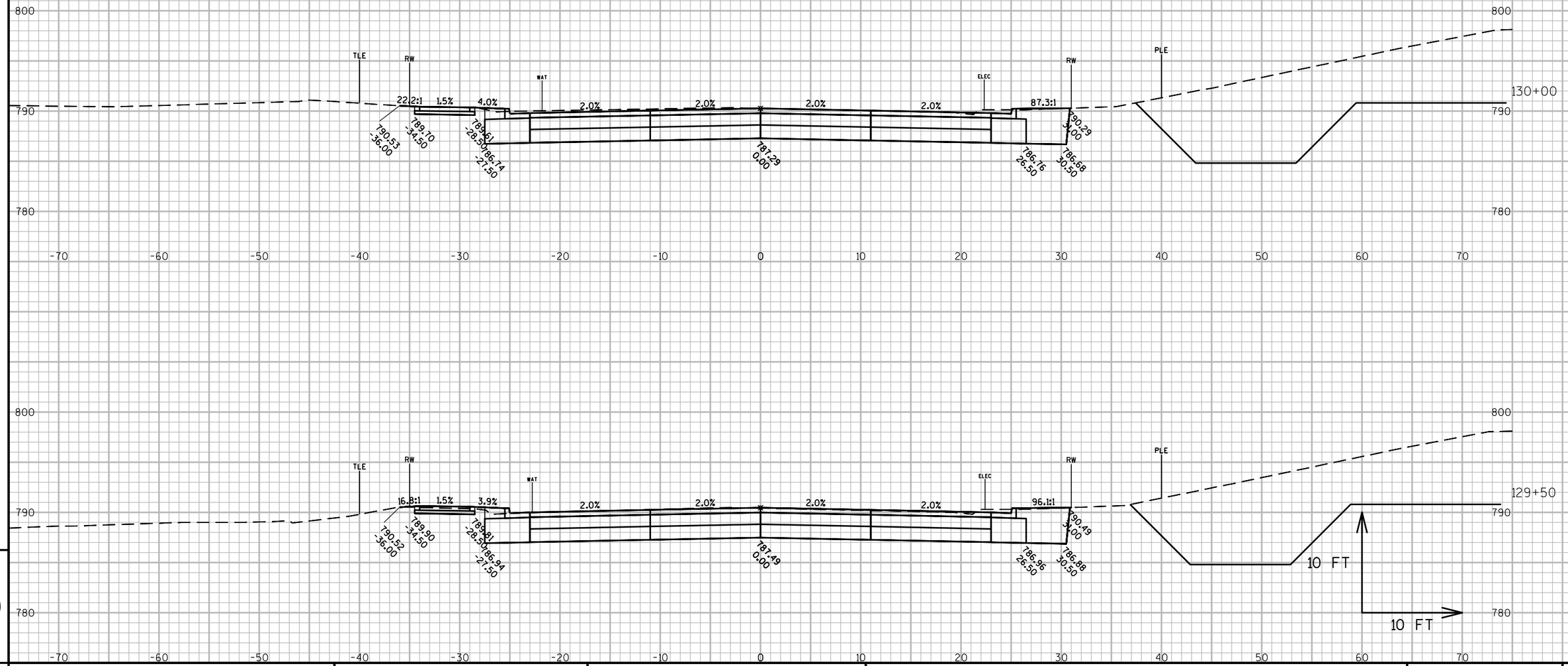
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (14)

PLOT DATE : 7/6/2020 1:00 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

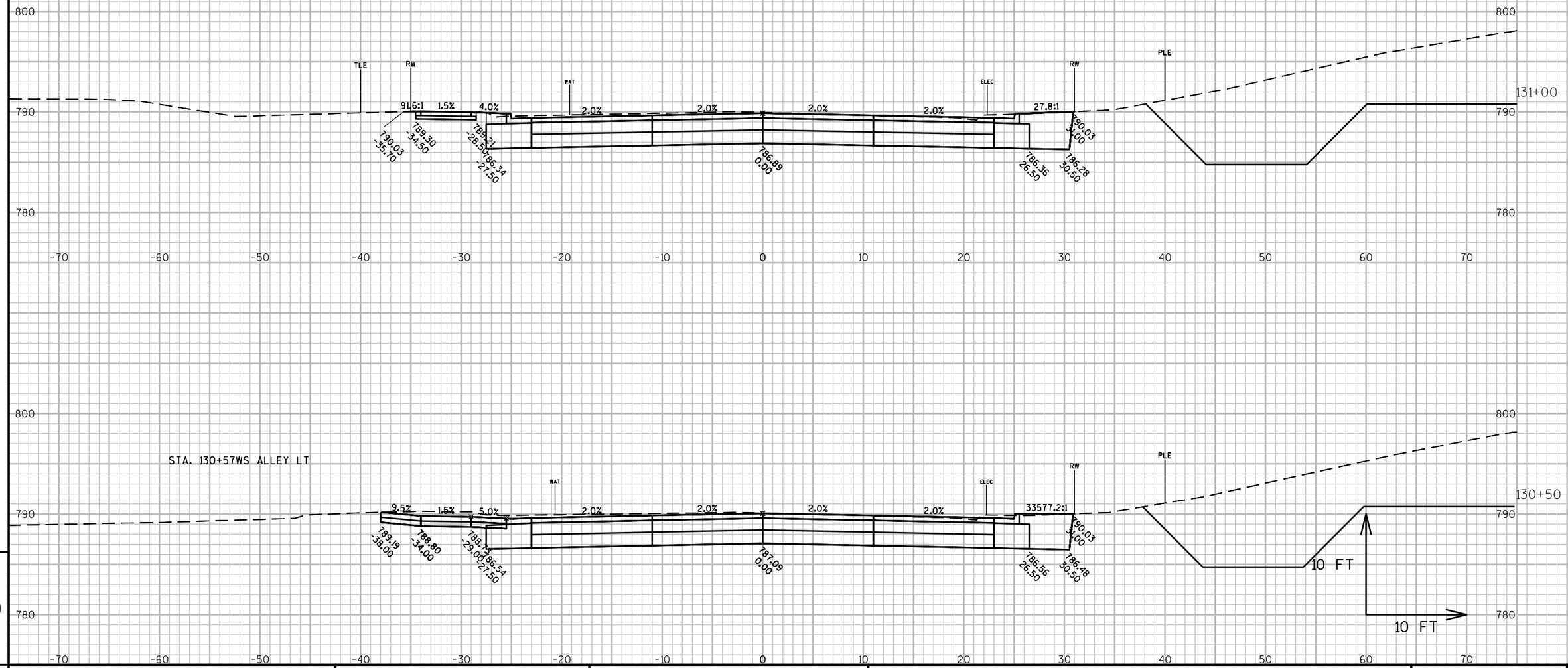
WISDOT/CADDS SHEET 49



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (15)

PLOT DATE : 7/6/2020 1:00 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT



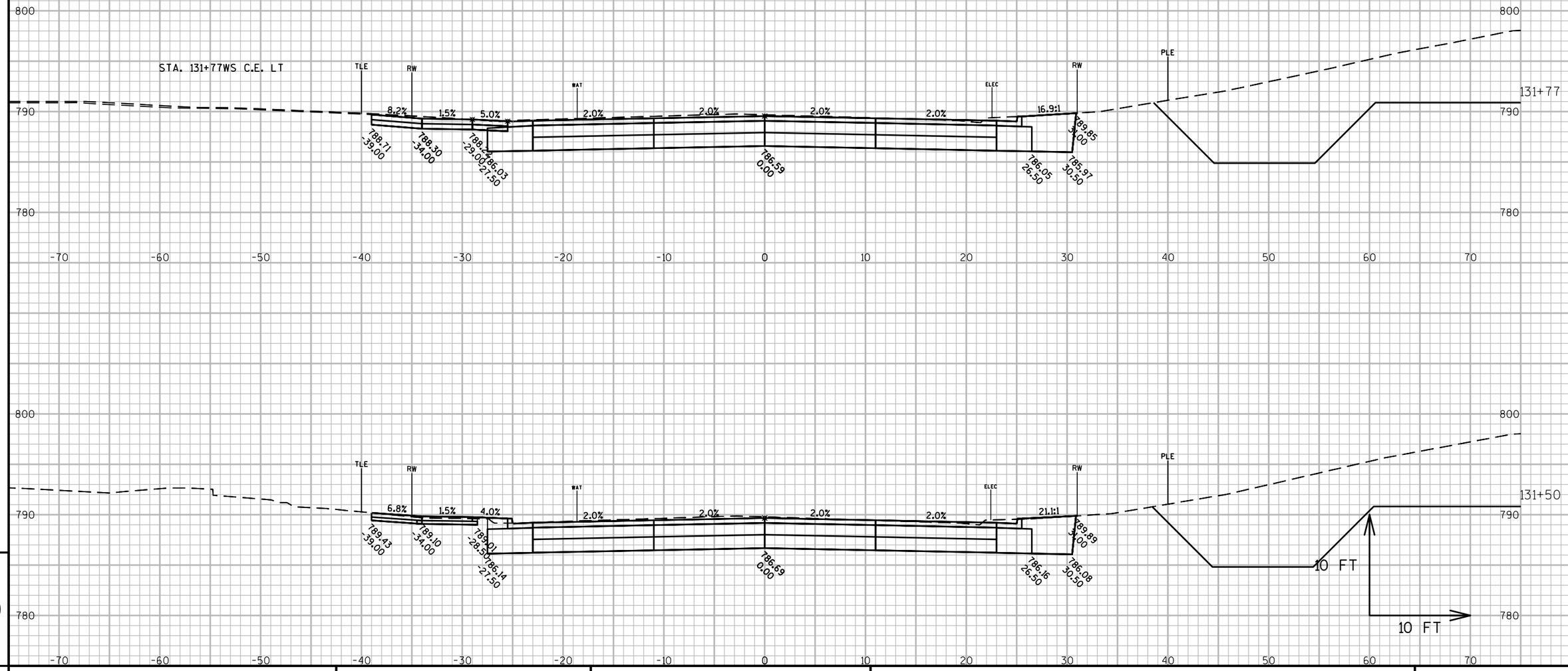
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (16)

PLOT DATE : 7/6/2020 1:00 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

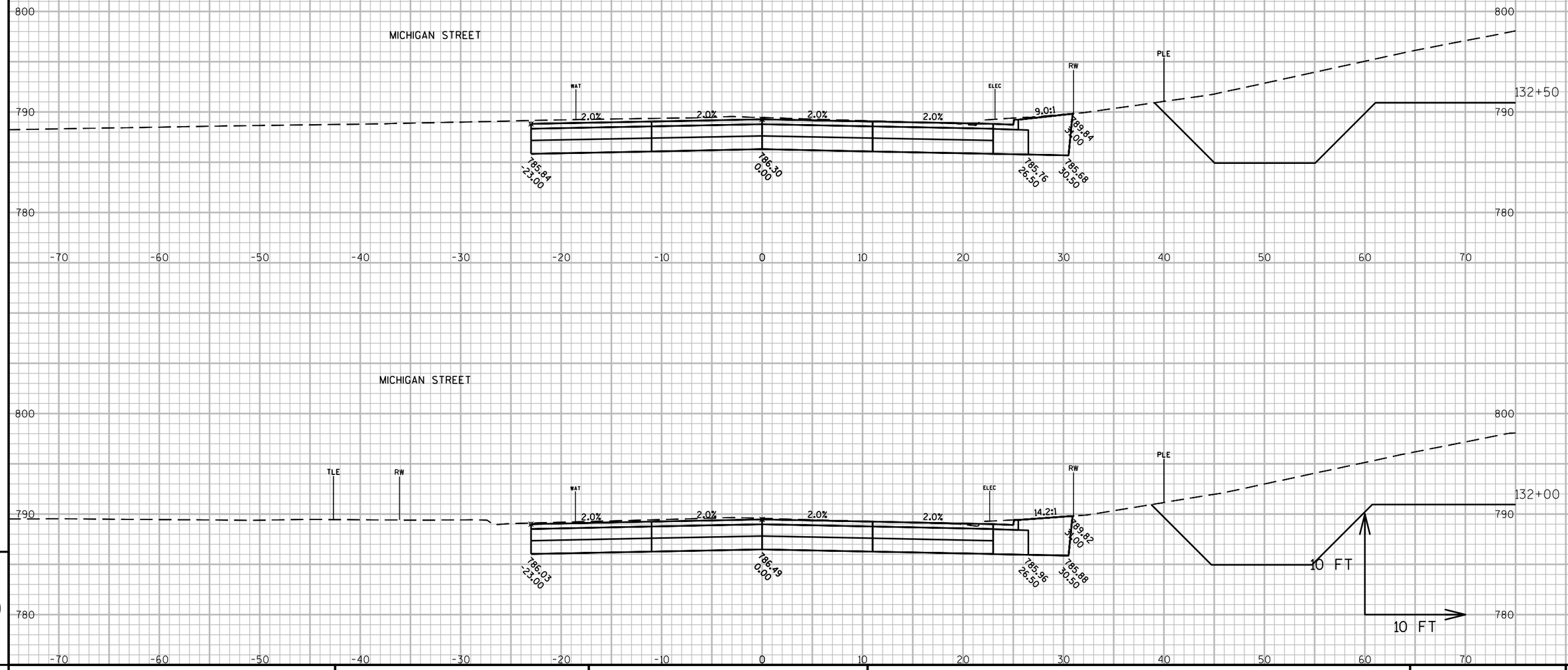


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (17)

PLOT DATE : 7/6/2020 1:00 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

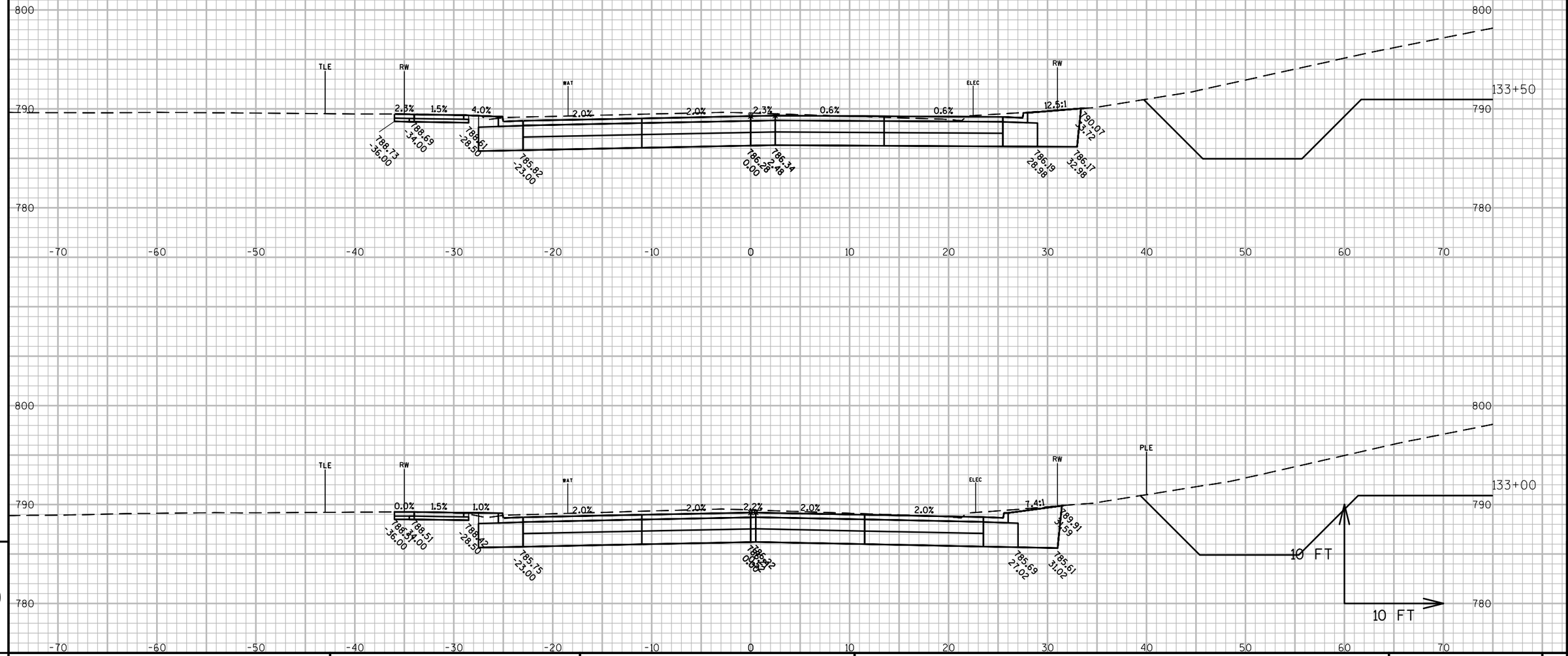
WISDOT/CADDS SHEET 49



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (18)

PLOT DATE : 7/6/2020 1:00 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT



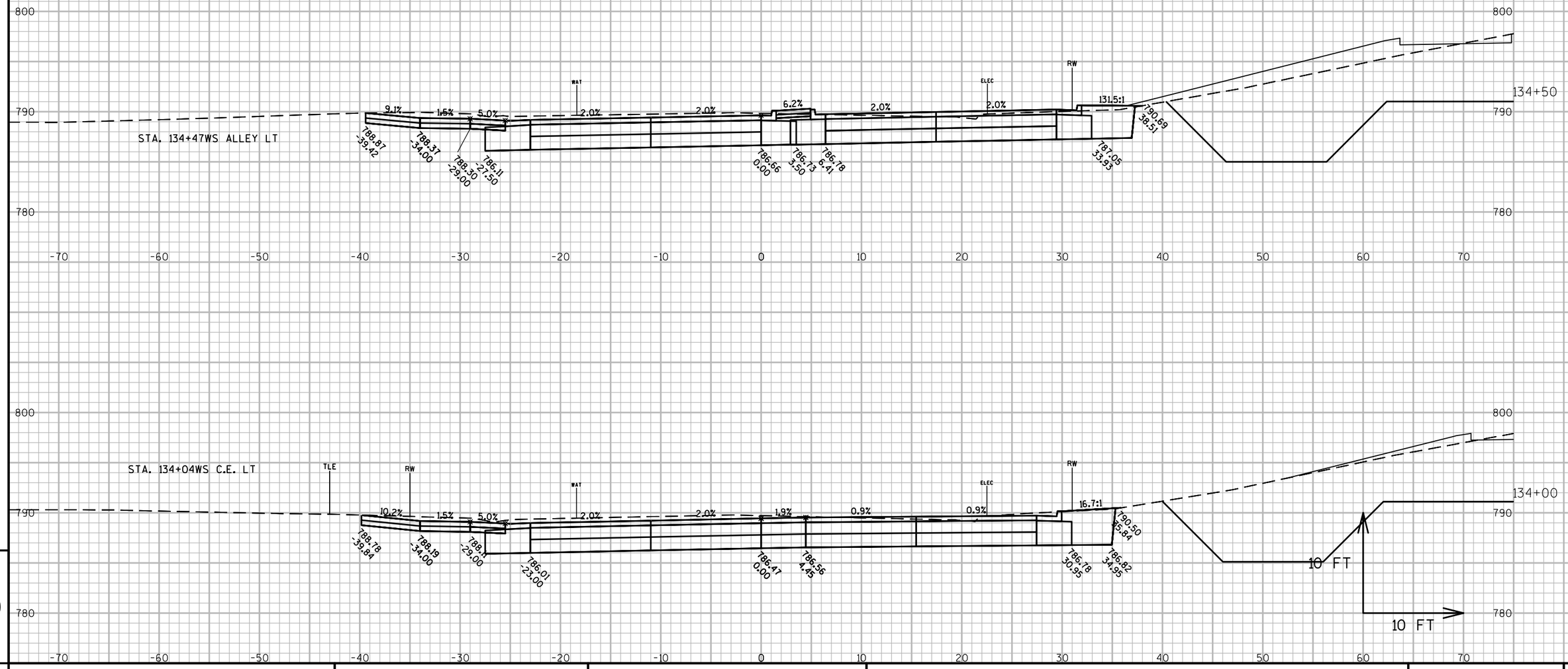
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (19)

PLOT DATE : 7/6/2020 1:00 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

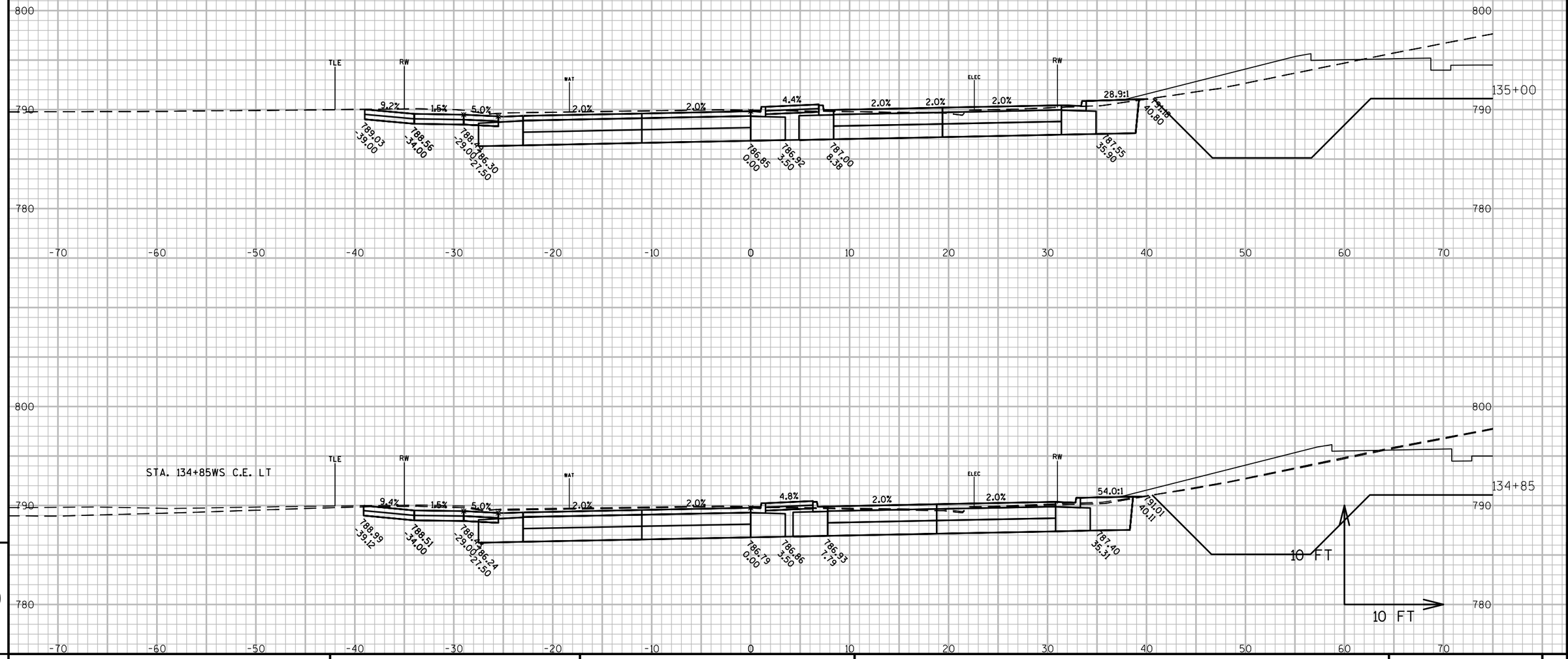


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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (20)

PLOT DATE : 7/6/2020 1:01 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT



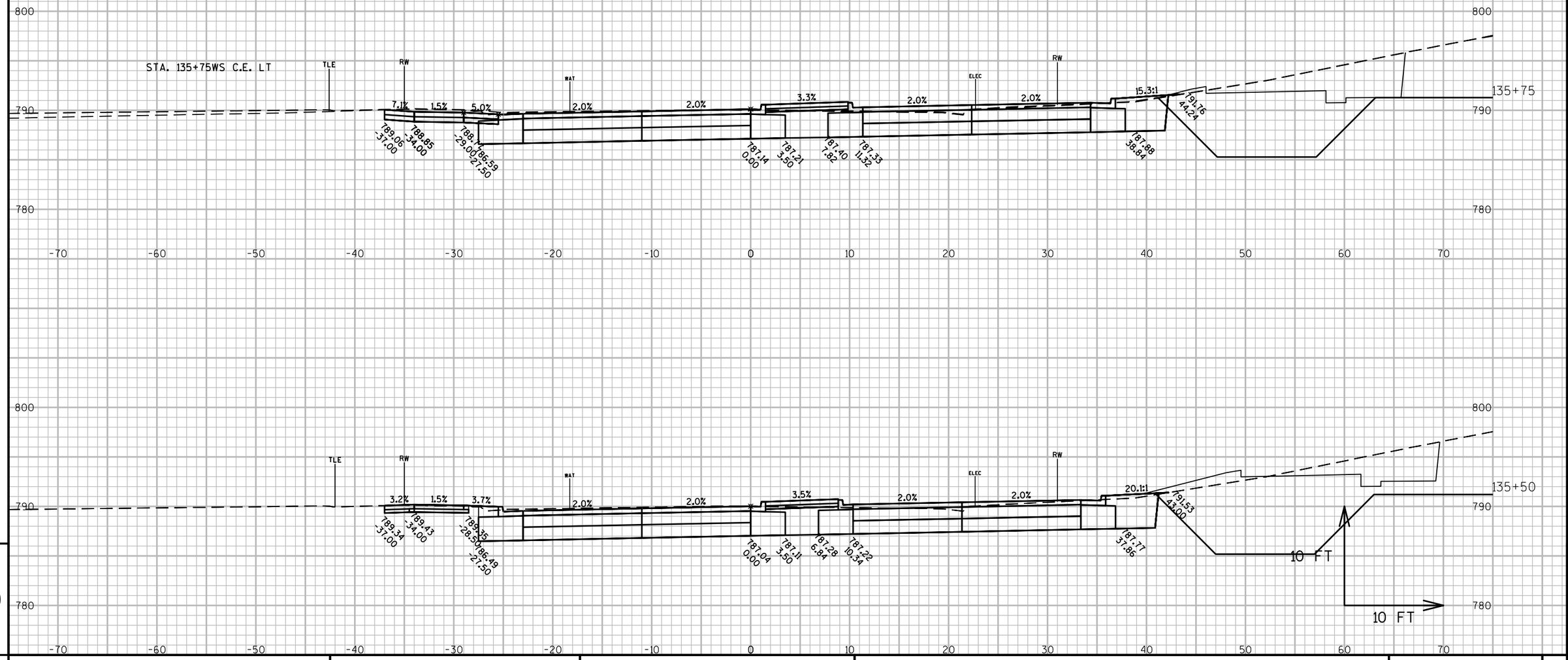
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (21)

PLOT DATE : 7/6/2020 1:01 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

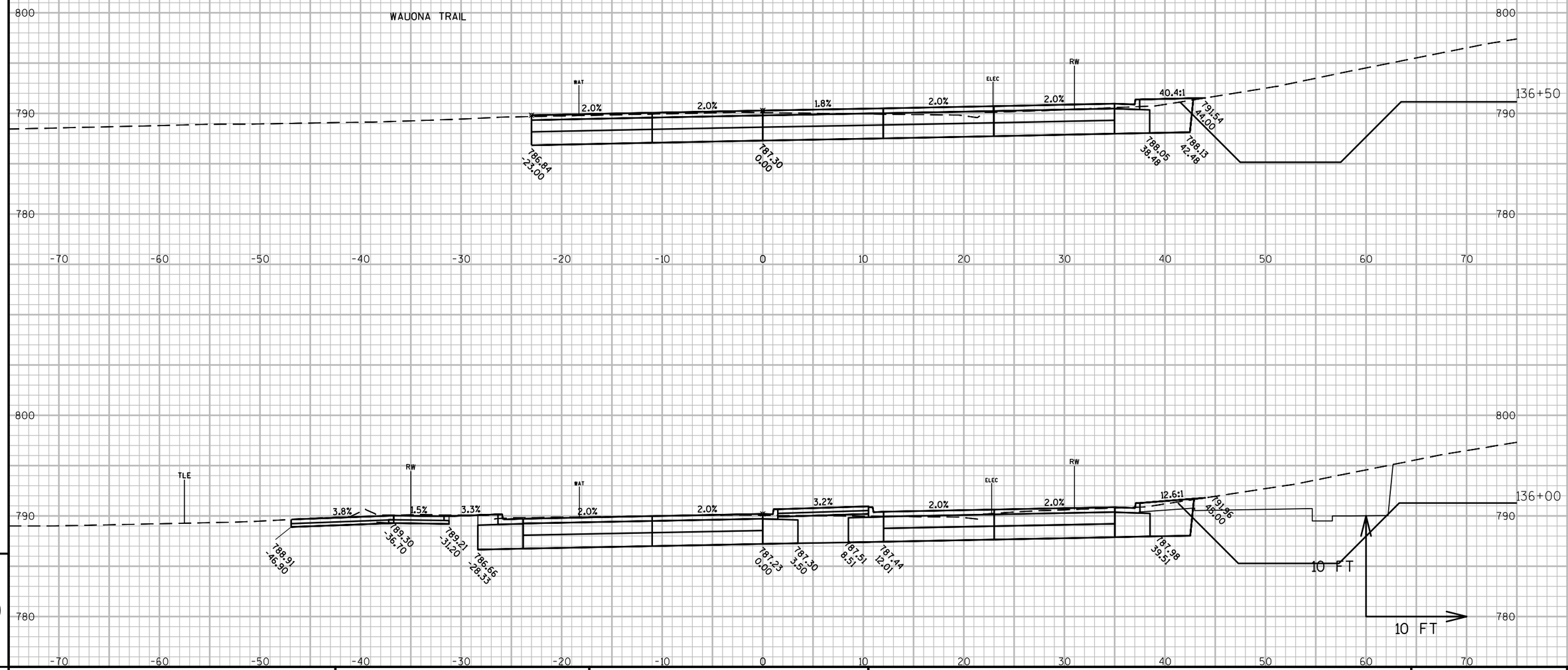


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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (22)
PLOT DATE : 7/6/2020 1:01 PM
PLOT BY : BRAD CUNNINGHAM
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



9

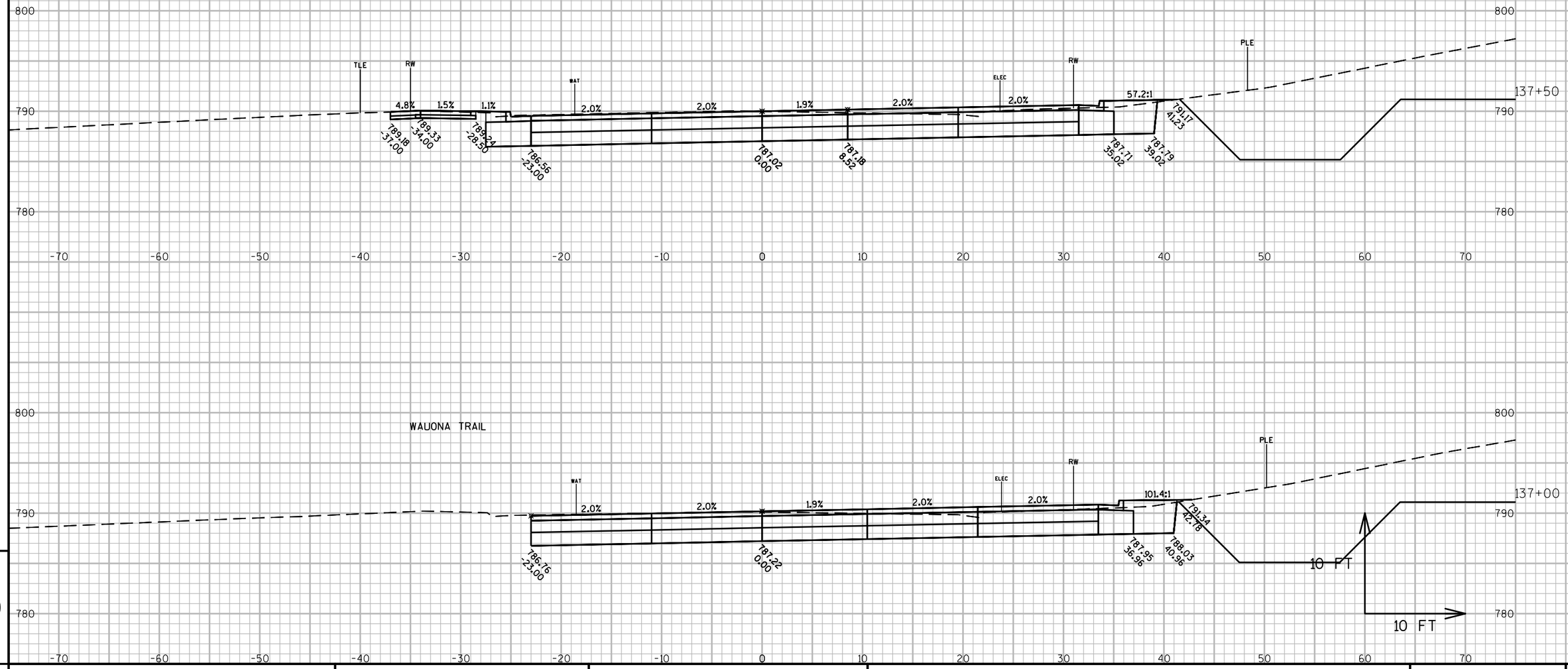
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (23)

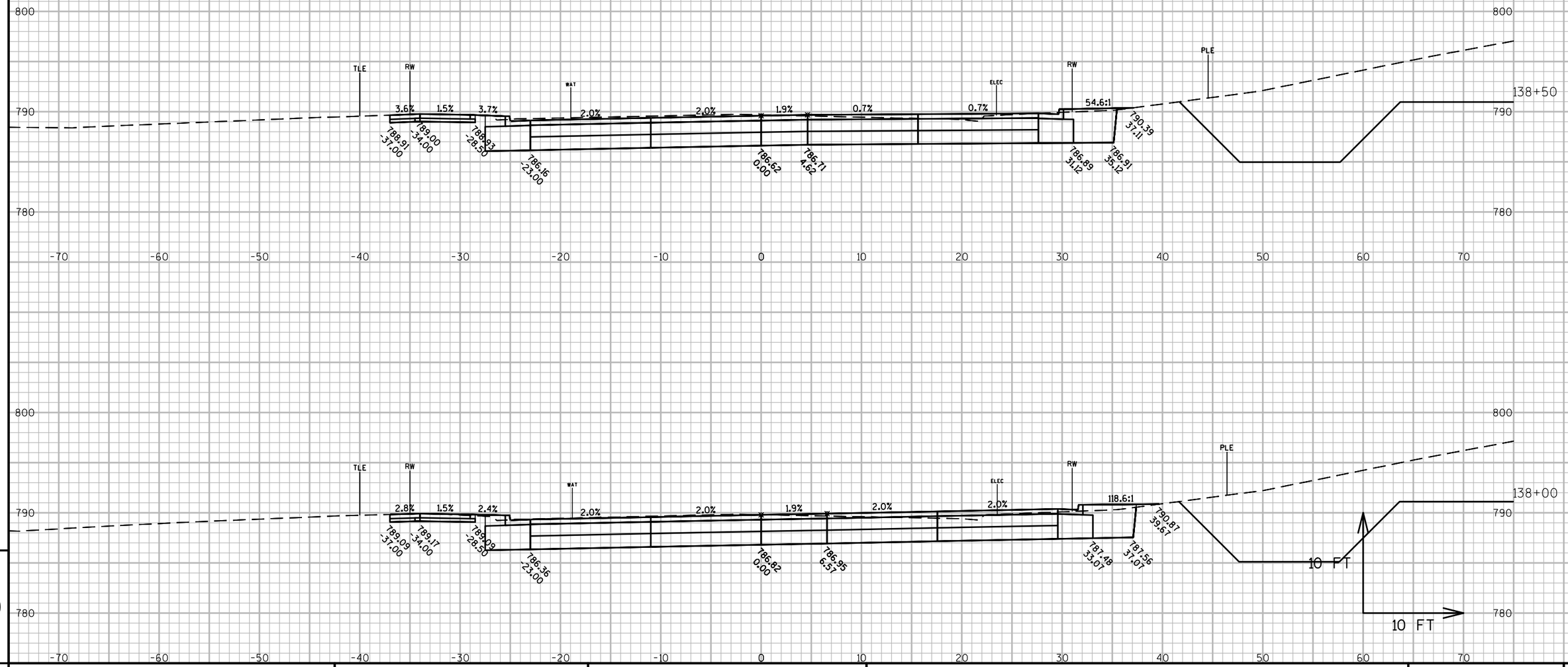
PLOT DATE : 7/6/2020 1:01 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

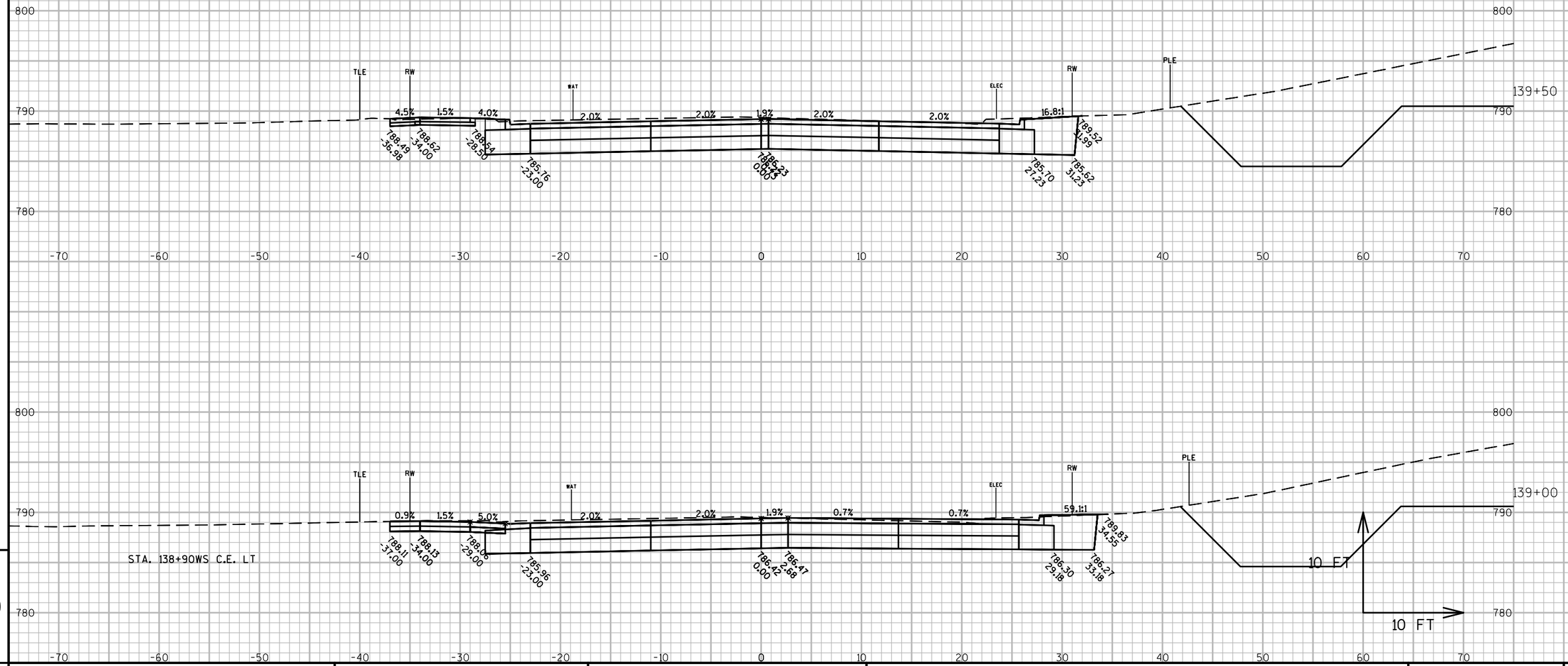
FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (24)
PLOT DATE : 7/6/2020 1:01 PM
PLOT BY : BRAD CUNNINGHAM
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (25)

PLOT DATE : 7/6/2020 1:01 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT



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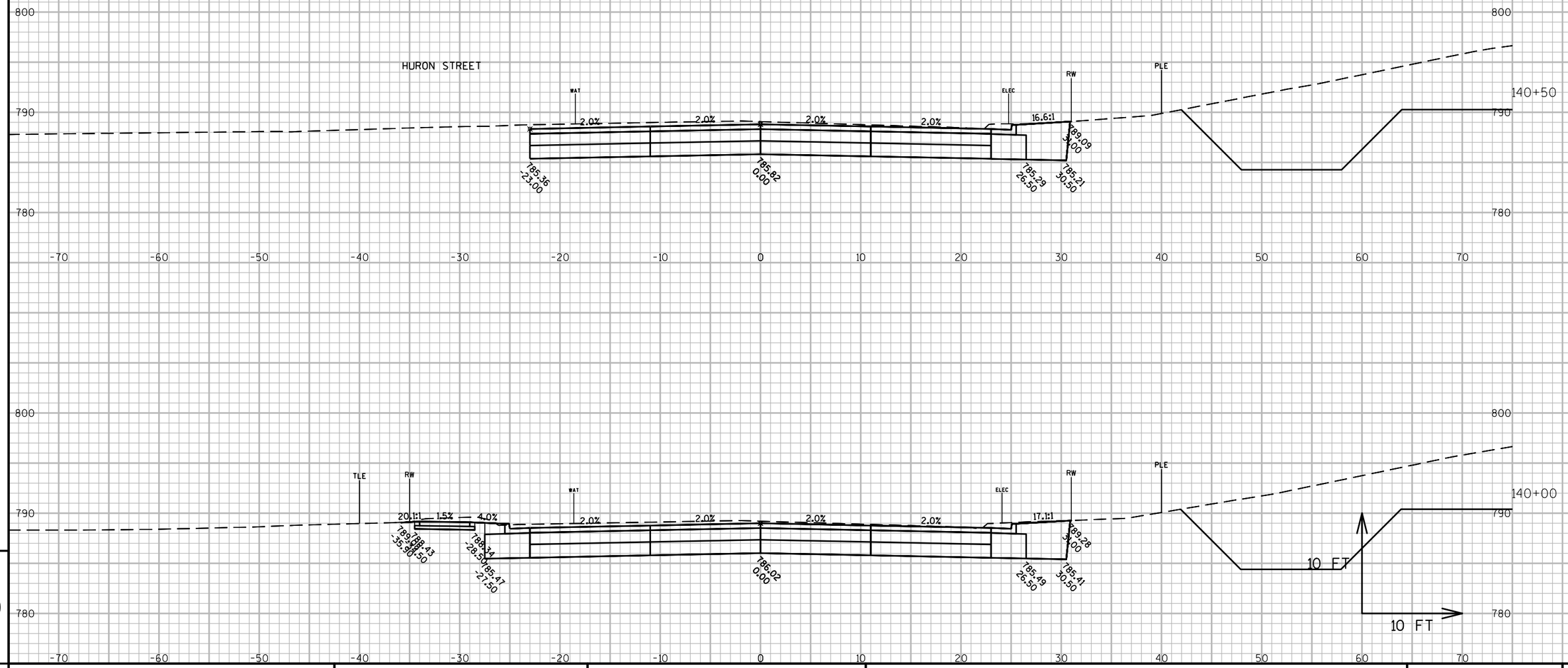
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (26)

PLOT DATE : 7/6/2020 1:01 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

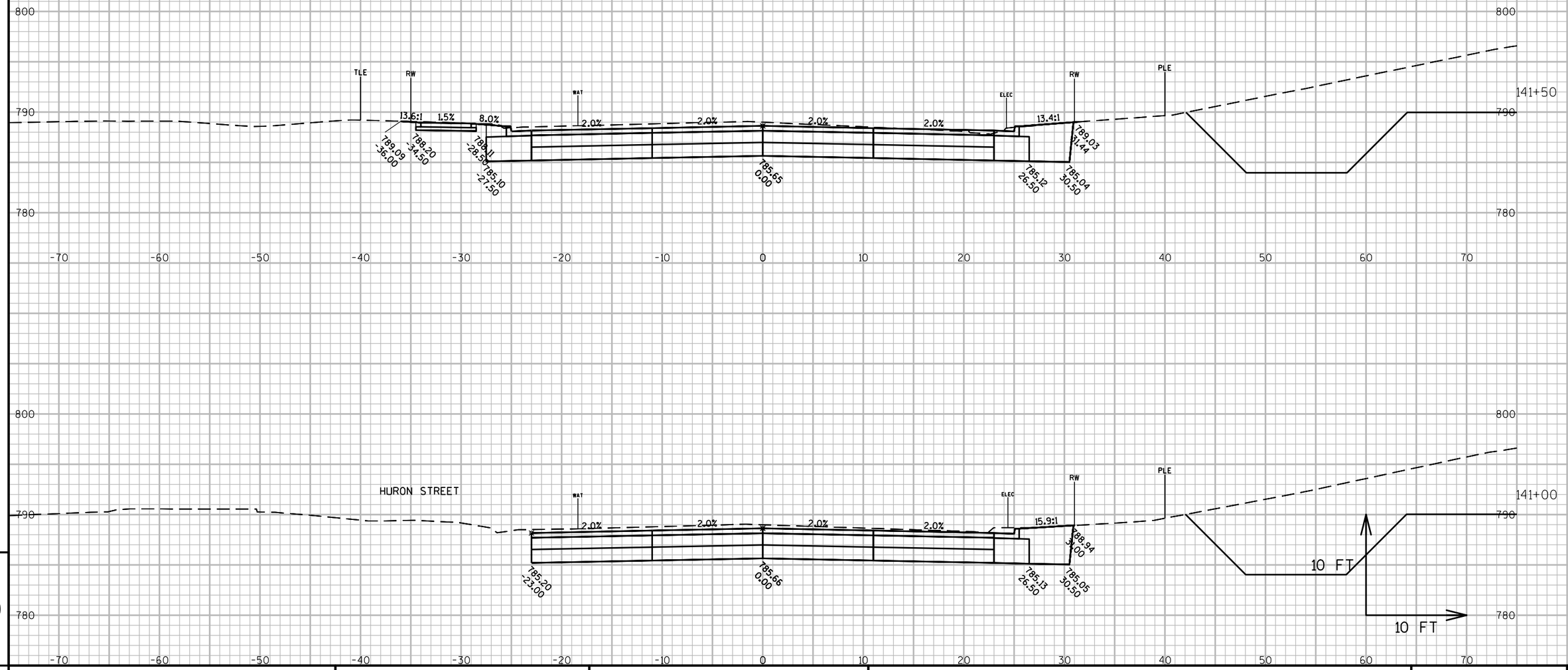


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET 517	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (27)

PLOT DATE : 7/6/2020 1:01 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

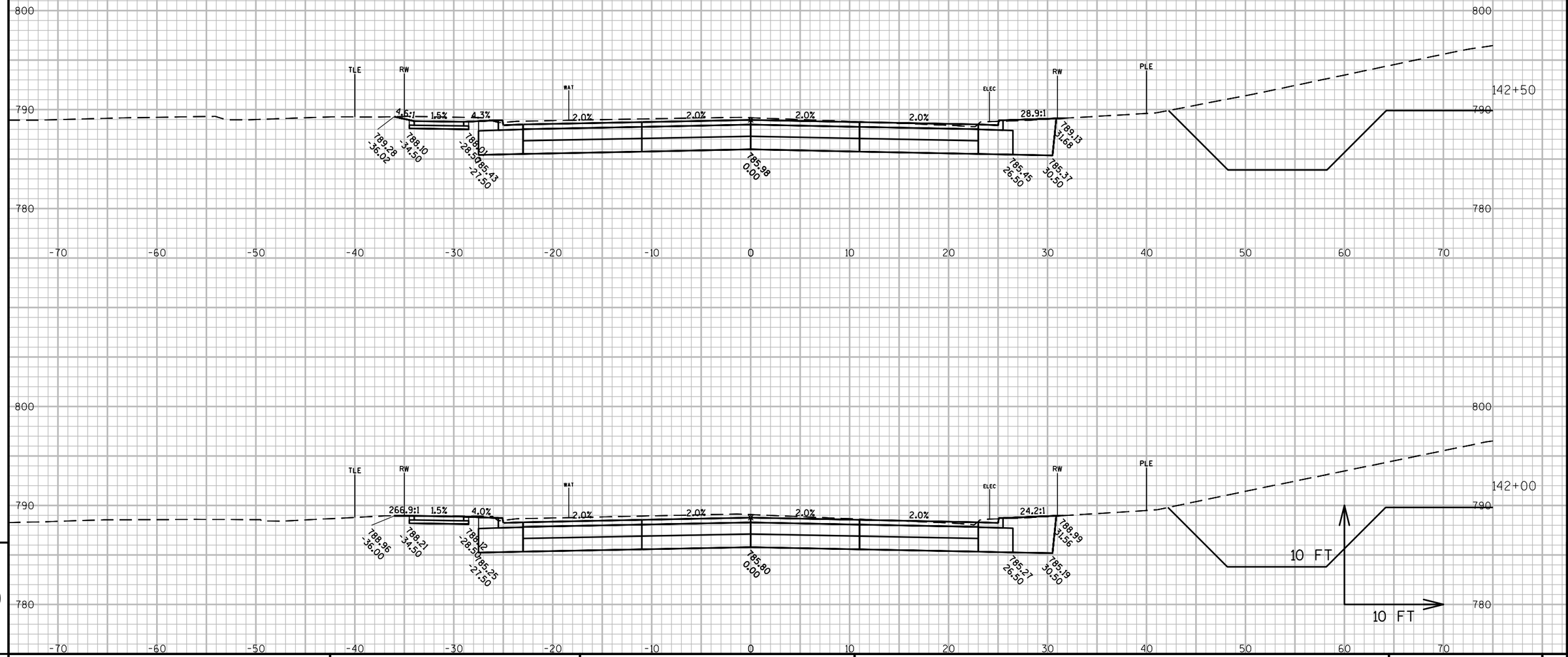
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (28)

PLOT DATE : 7/6/2020 1:02 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

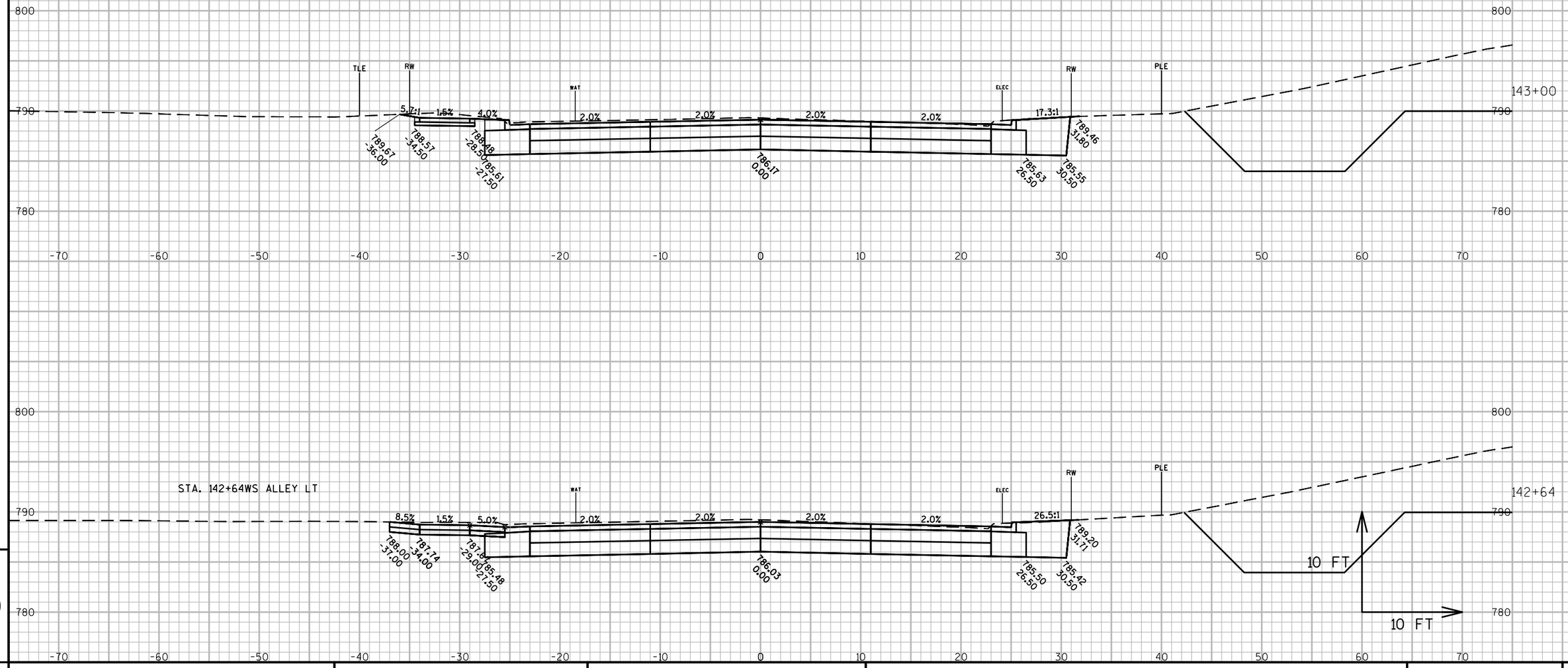


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (29)

PLOT DATE : 7/6/2020 1:02 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

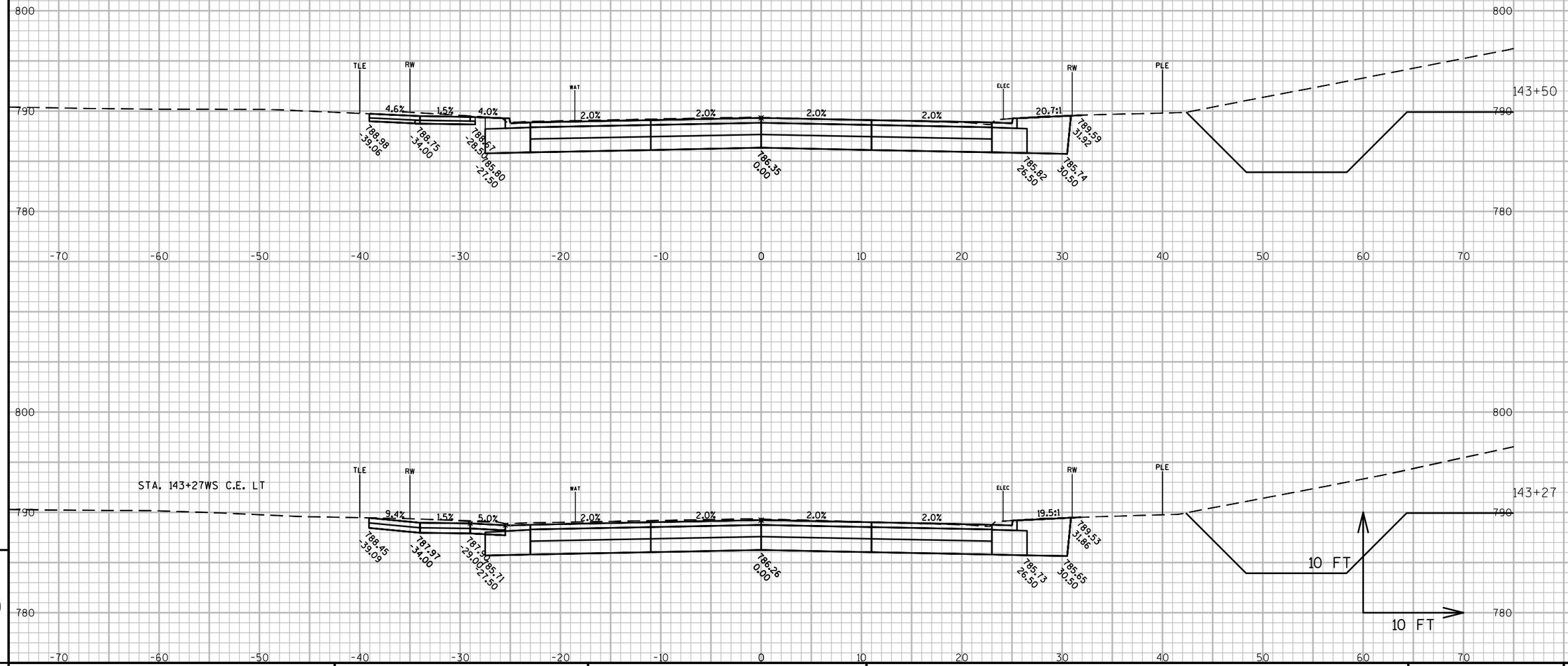
WISDOT/CADDS SHEET 49



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (30)

PLOT DATE : 7/6/2020 1:02 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT



9

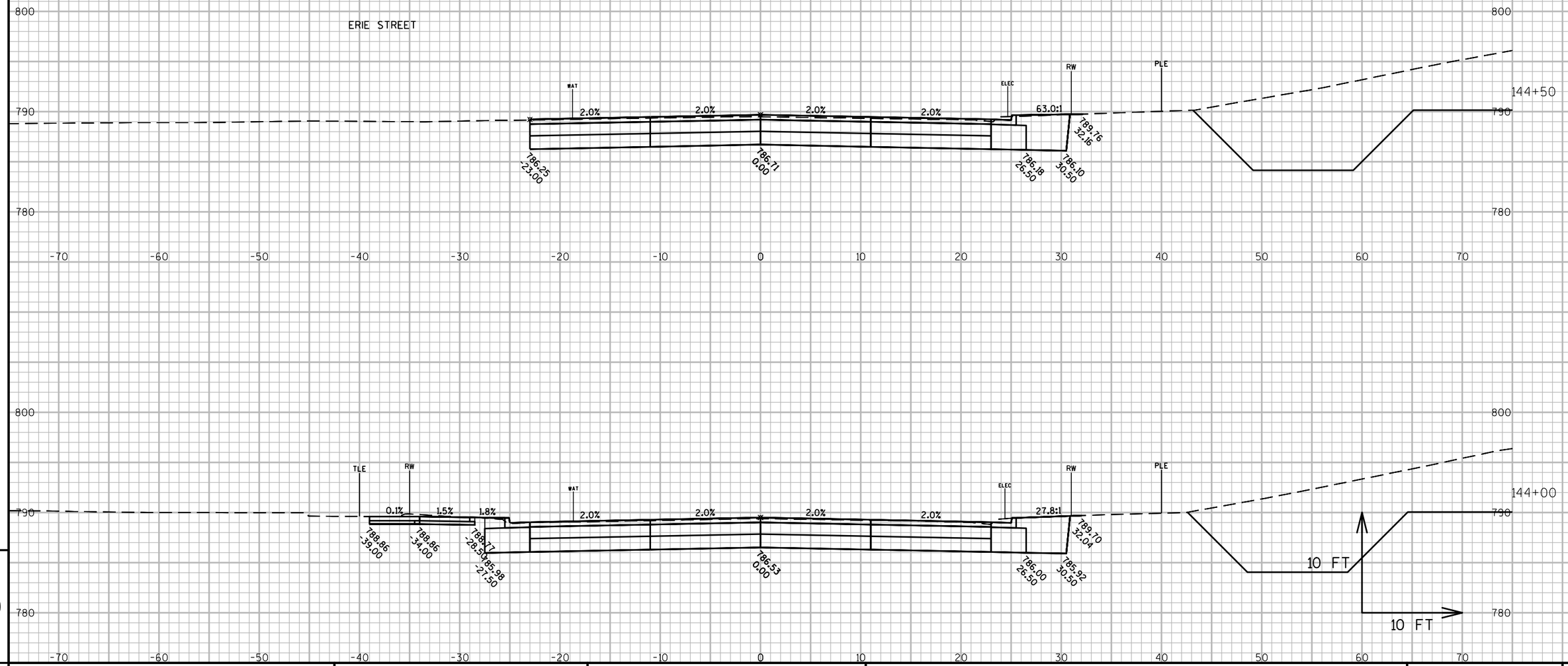
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (31)

PLOT DATE : 7/6/2020 1:02 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

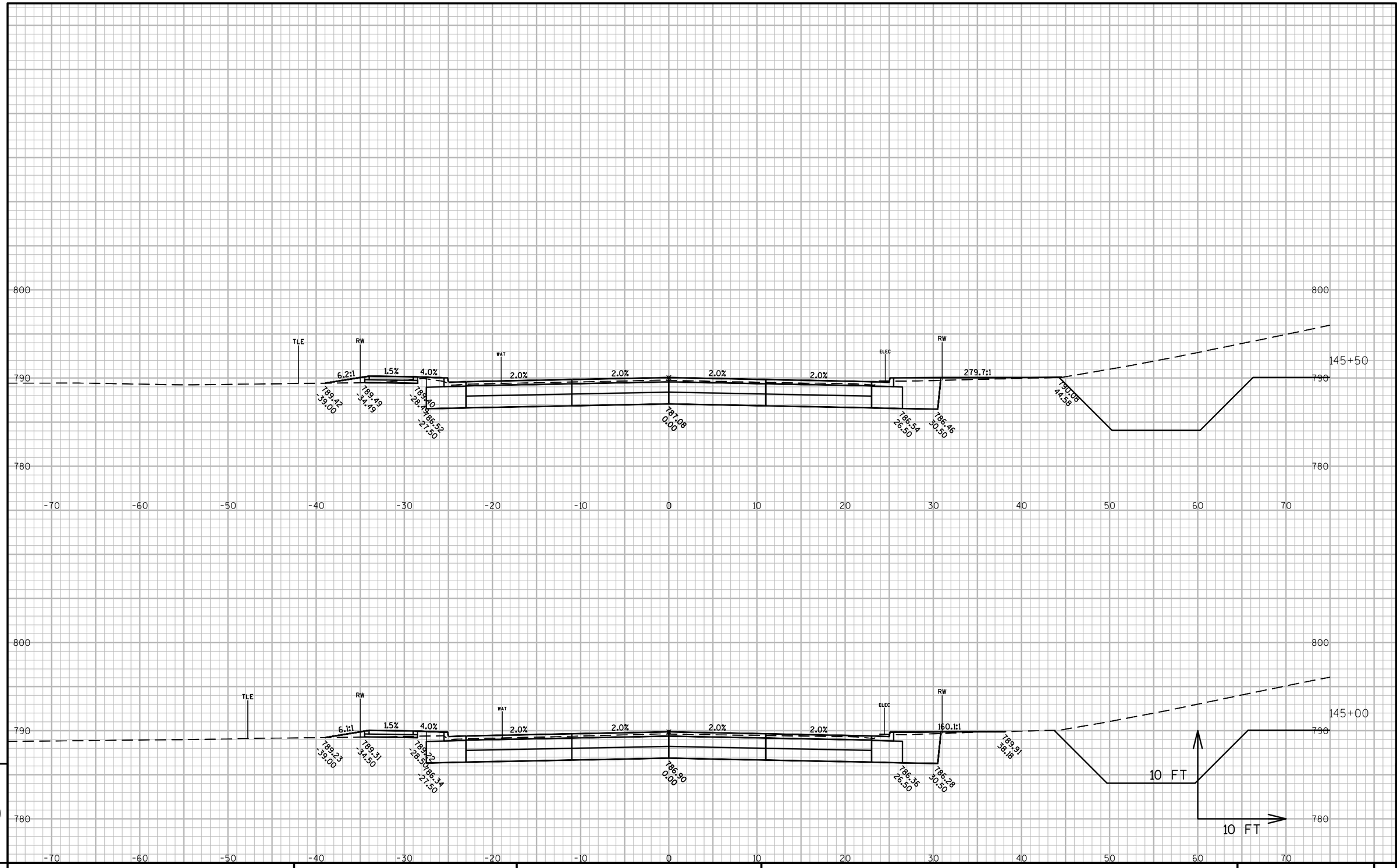
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

9

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (32)

PLOT DATE : 7/6/2020 1:02 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

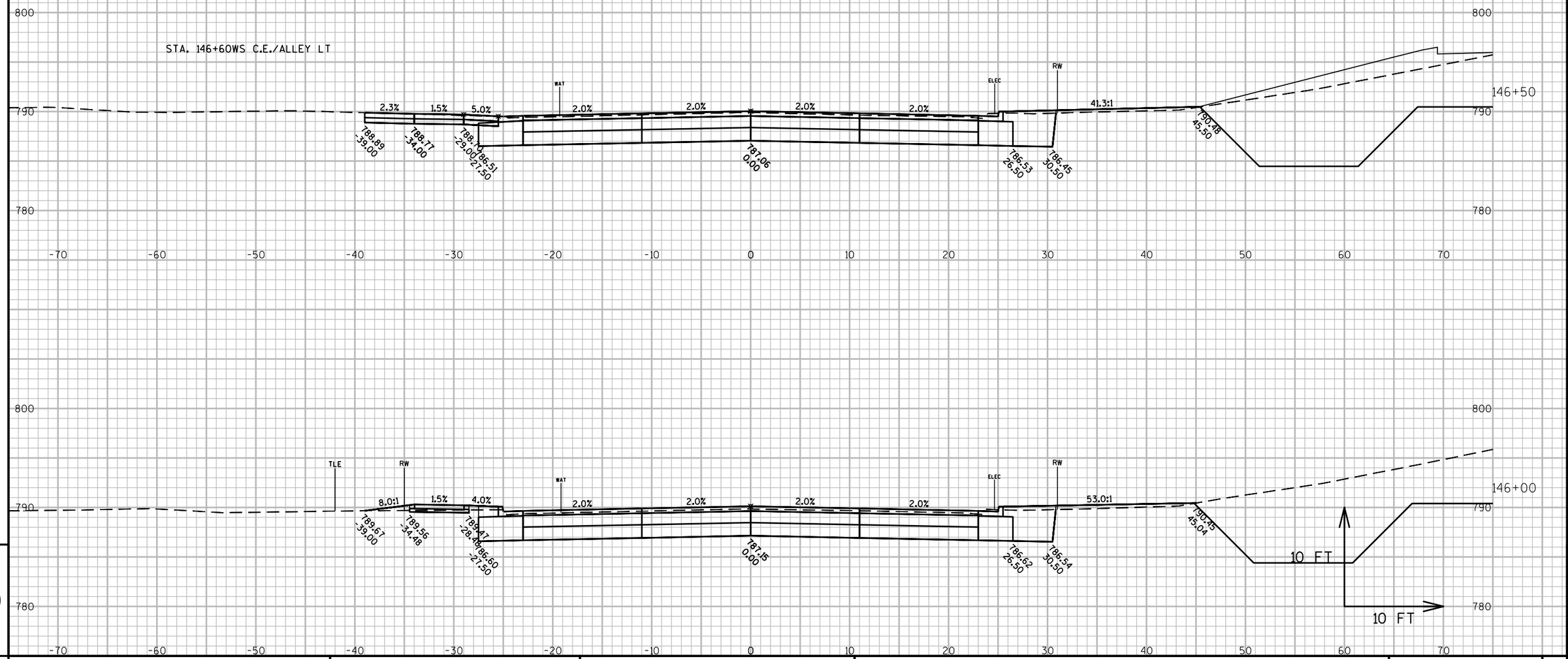


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (33)

PLOT DATE : 7/6/2020 1:02 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



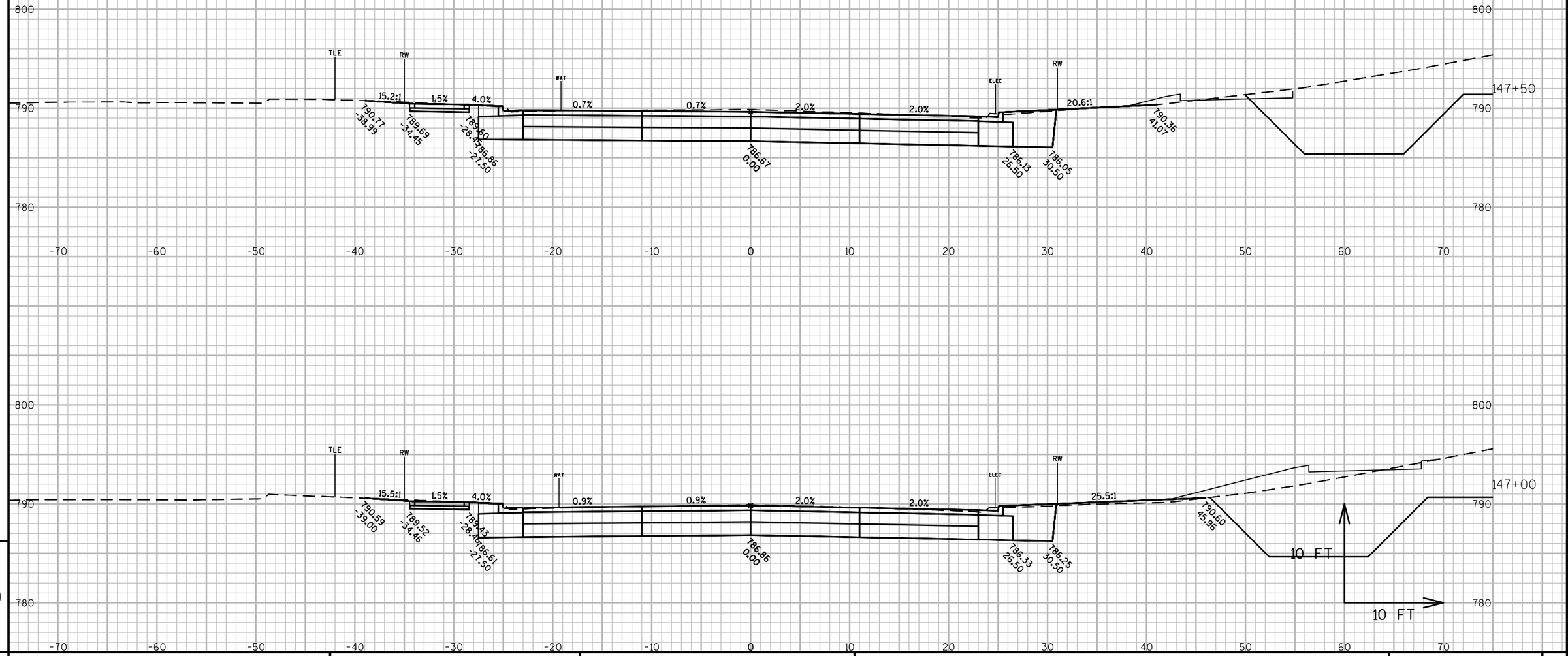
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

524

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (34)

PLOT DATE : 7/6/2020 1:02 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

9

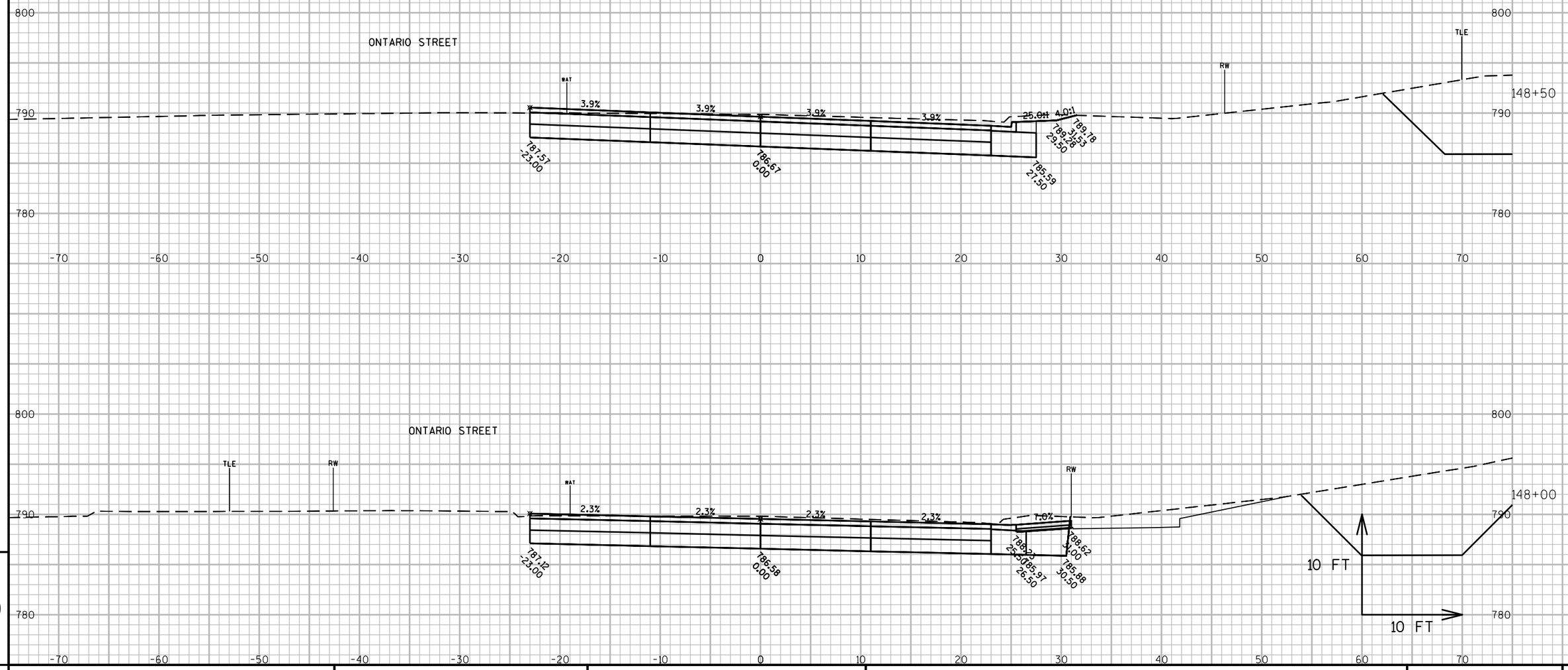
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

525

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (35)

PLOT DATE : 7/6/2020 1:03 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

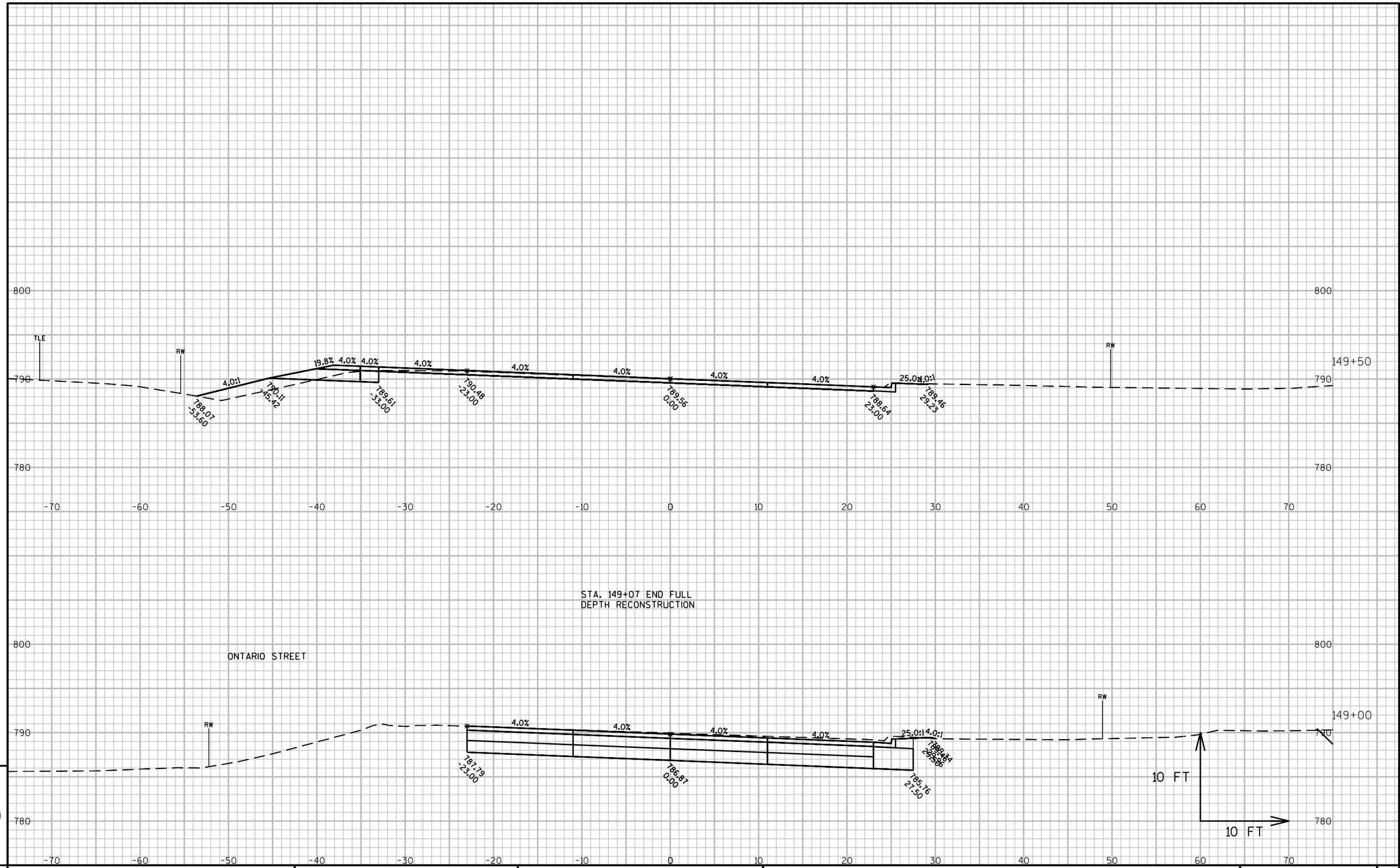
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (36)

PLOT DATE : 7/6/2020 1:03 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

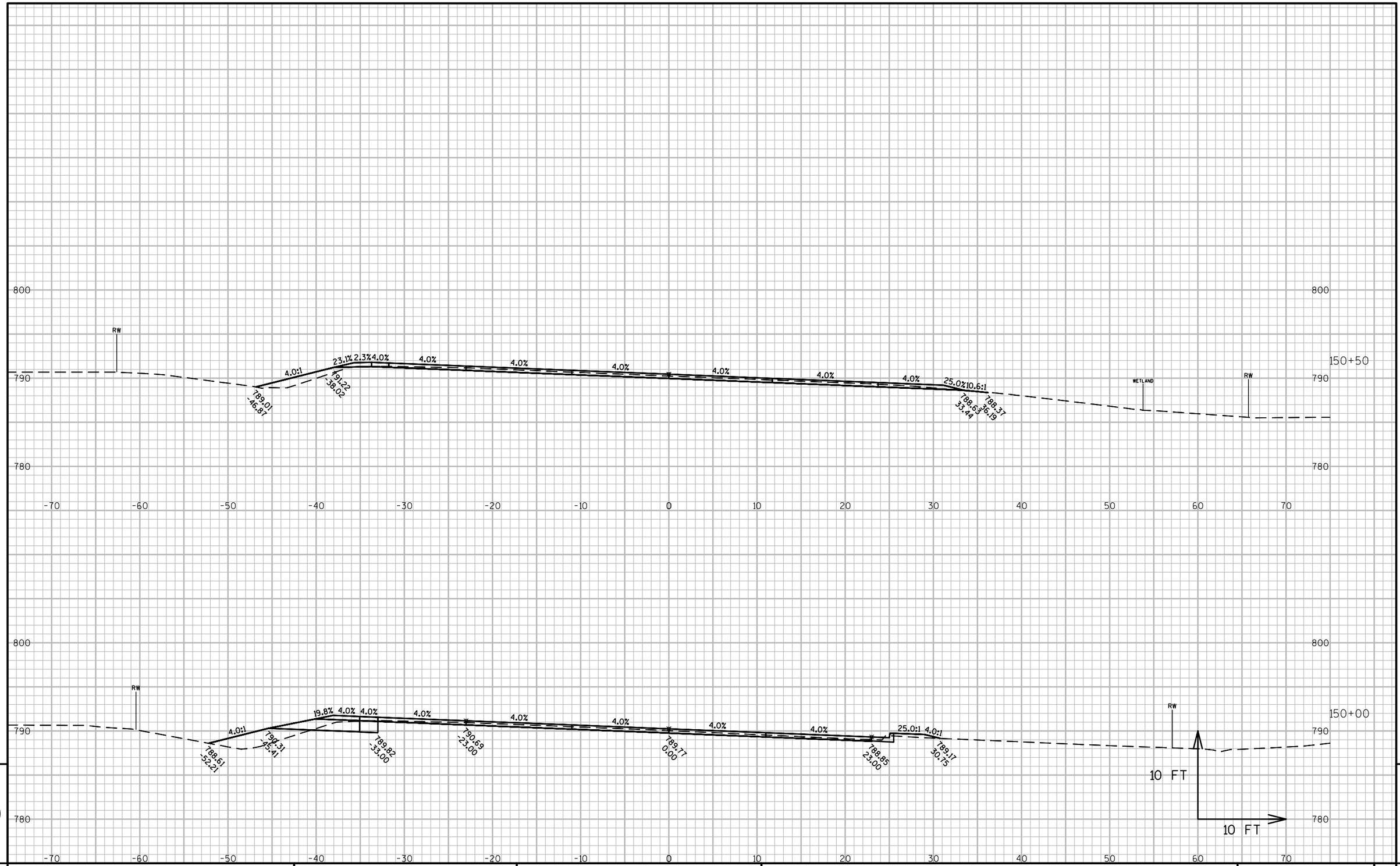


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (37)

PLOT DATE : 7/6/2020 1:03 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

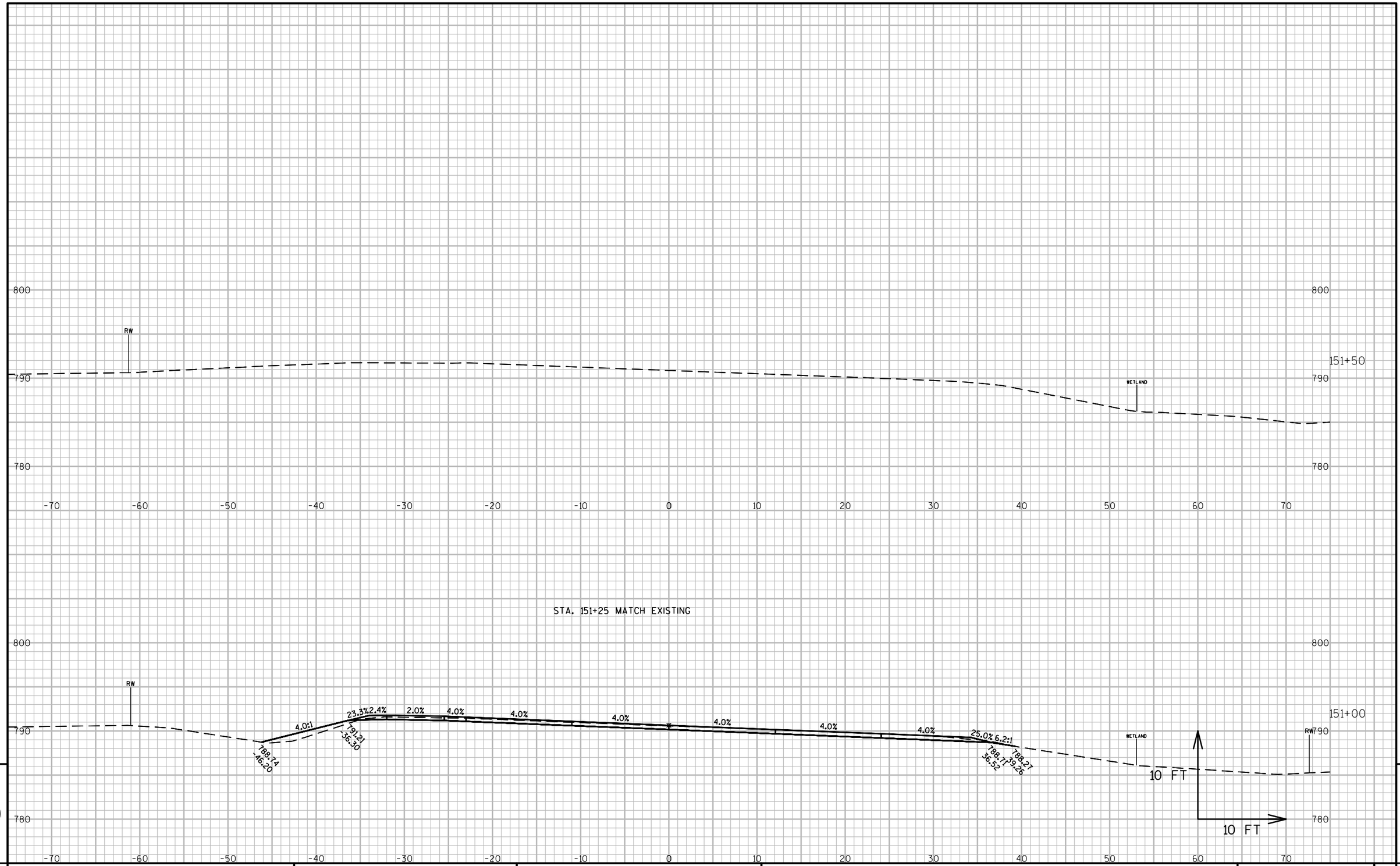
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (38)

PLOT DATE : 7/6/2020 1:03 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

9

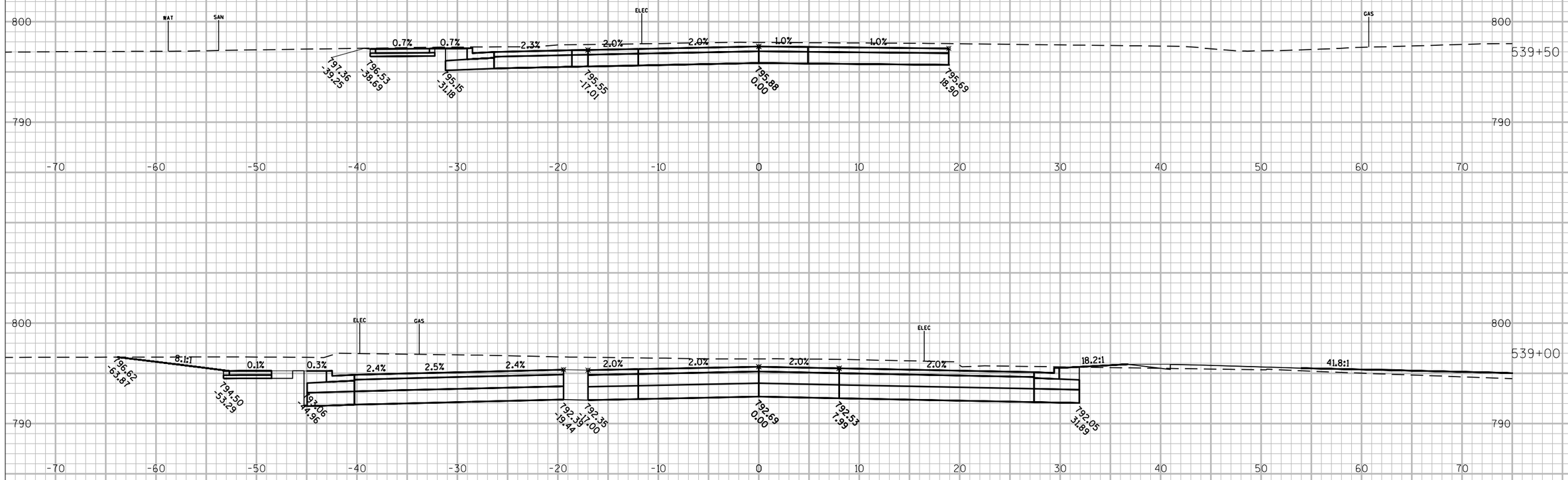
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WISCONSIN STREET	SHEET	E

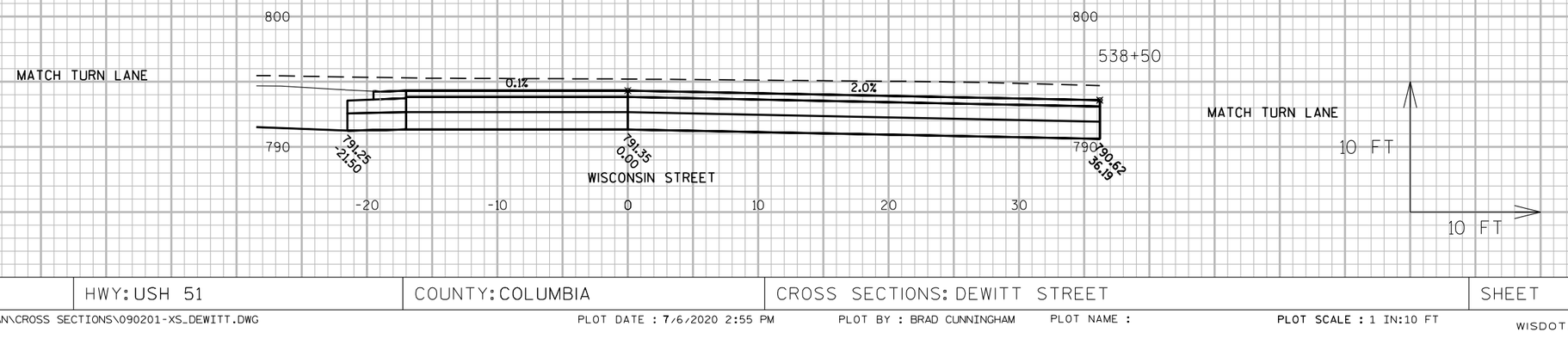
FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_BRADY-SOUTHTOWN.DWG
LAYOUT NAME - A - (39)

PLOT DATE : 7/6/2020 1:03 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

E. EDGEWATER STREET





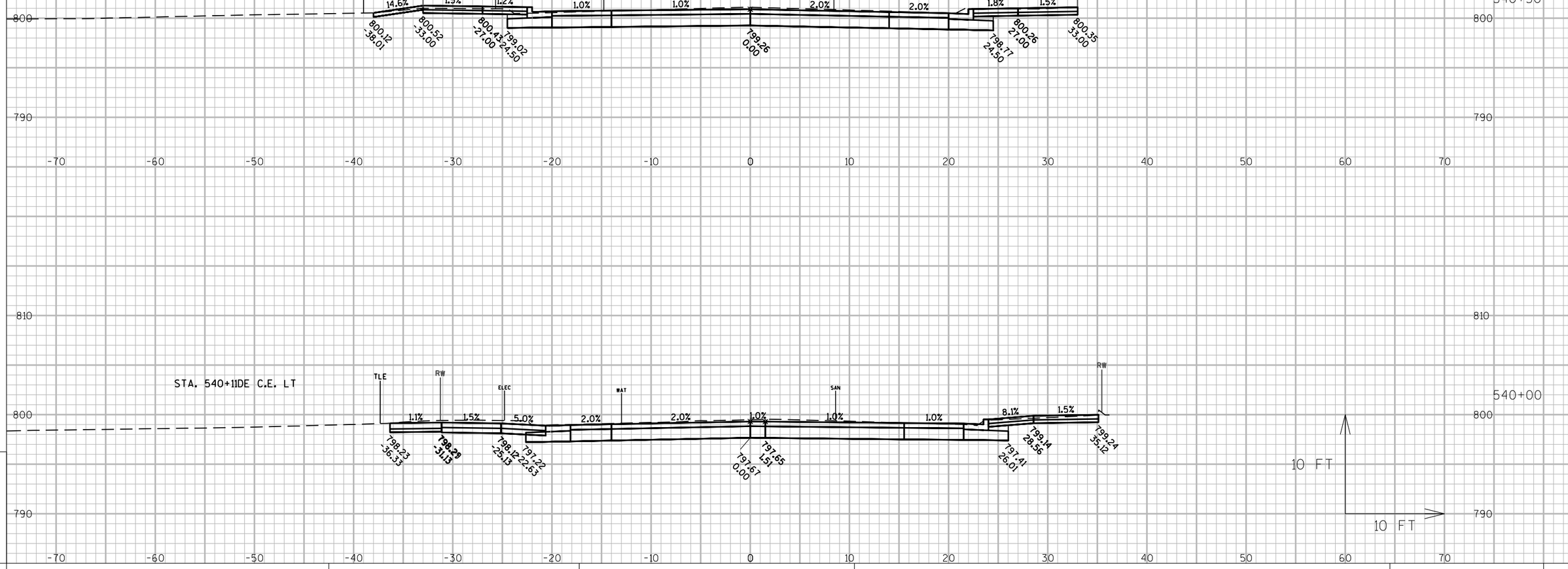
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: DEWITT STREET	SHEET 530	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_DEWITT.DWG
LAYOUT NAME - SECTION SHEET - (1)

PLOT DATE : 7/6/2020 2:55 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT



9

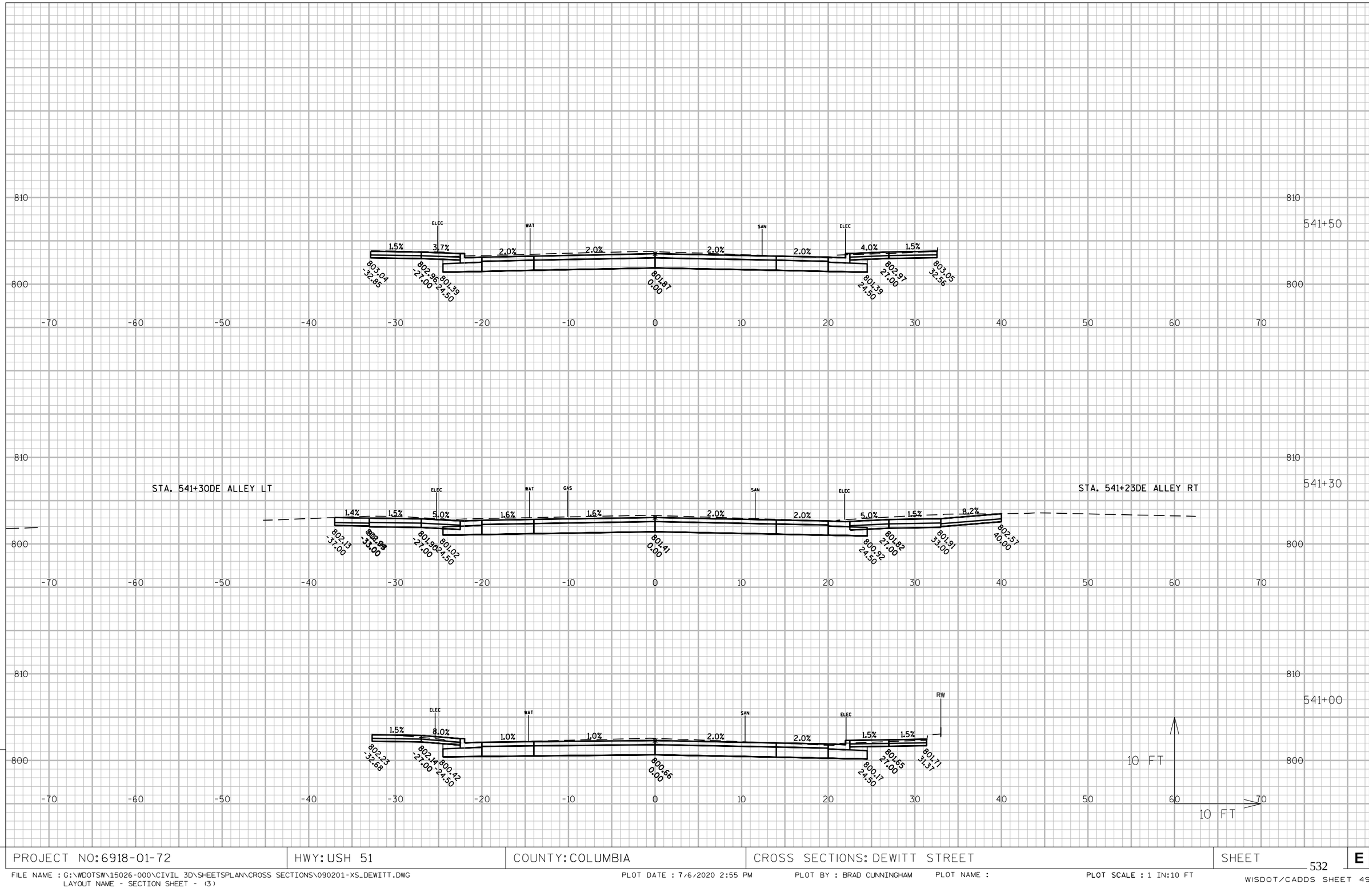
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: DEWITT STREET	SHEET 531	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_DEWITT.DWG
LAYOUT NAME - SECTION SHEET - (2)

PLOT DATE : 7/6/2020 2:55 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

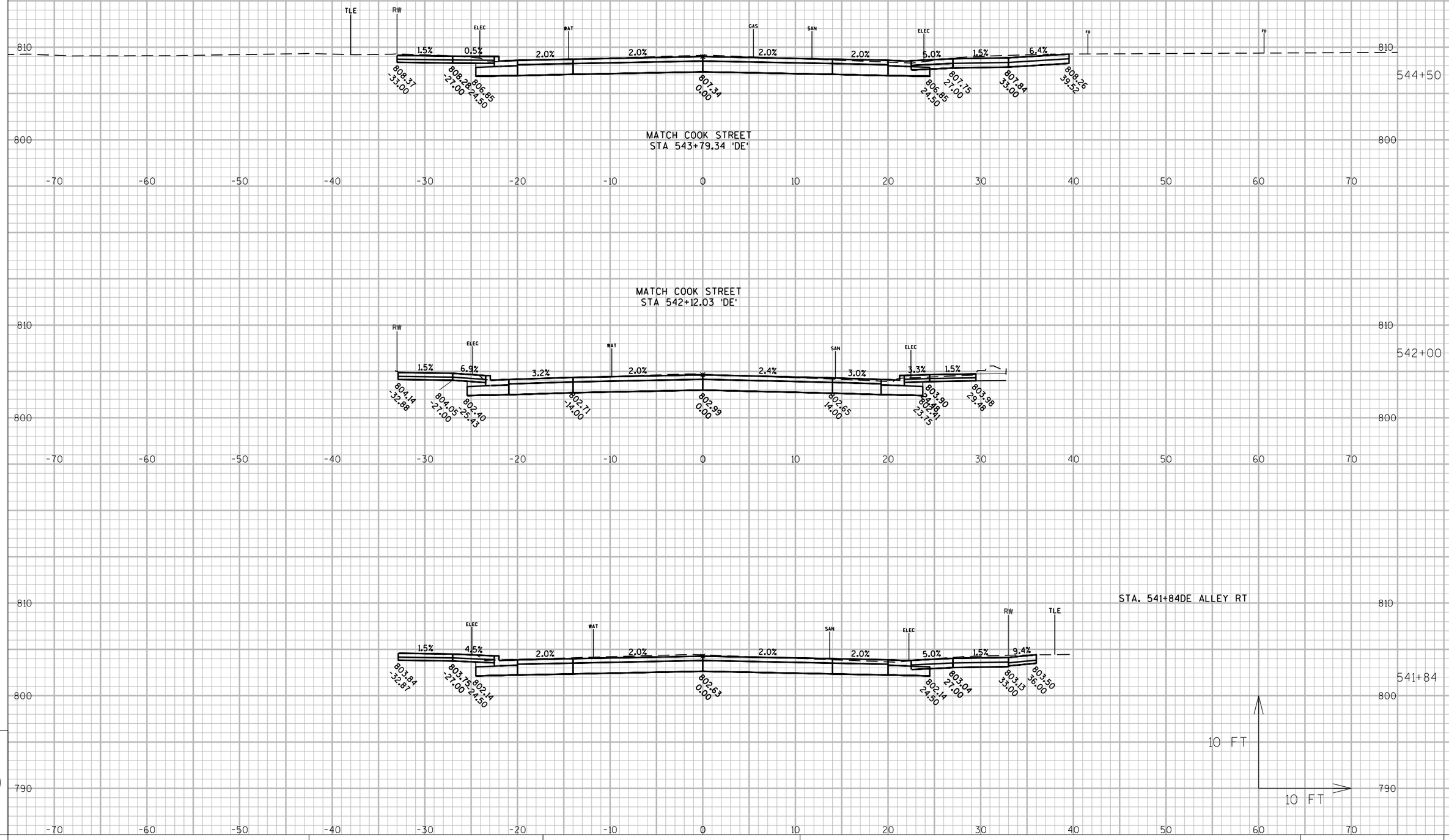
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: DEWITT STREET	SHEET 532	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_DEWITT.DWG
LAYOUT NAME - SECTION SHEET - (3)

PLOT DATE : 7/6/2020 2:55 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

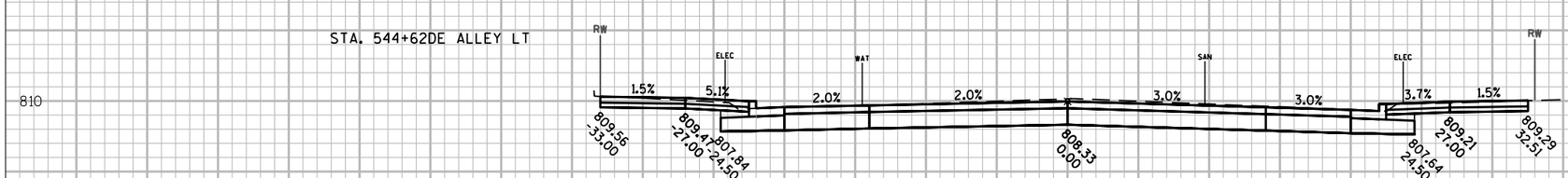
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: DEWITT STREET	SHEET 533	E

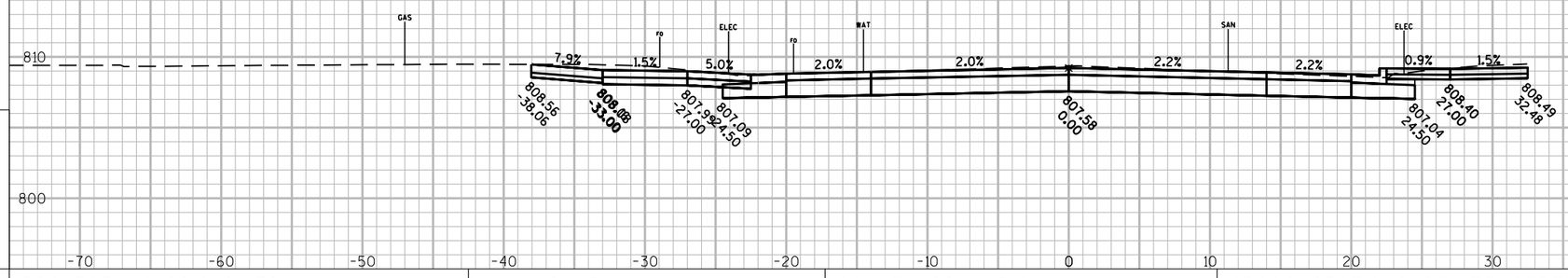
FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_DEWITT.DWG
LAYOUT NAME - SECTION SHEET - (4)

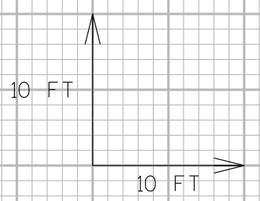
PLOT DATE : 7/6/2020 2:55 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

STA. 544+62DE ALLEY LT



STA. 544+50DE ALLEY RT





9

9

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: DEWITT STREET	SHEET 534	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_DEWITT.DWG
LAYOUT NAME - SECTION SHEET - (5)

PLOT DATE : 7/6/2020 2:55 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

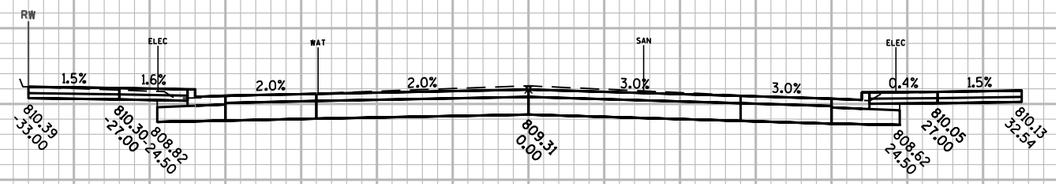
CONANT STREET

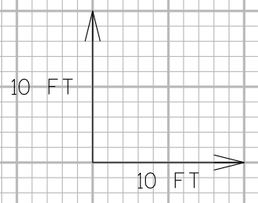
CONANT STREET

546+00



545+50





9

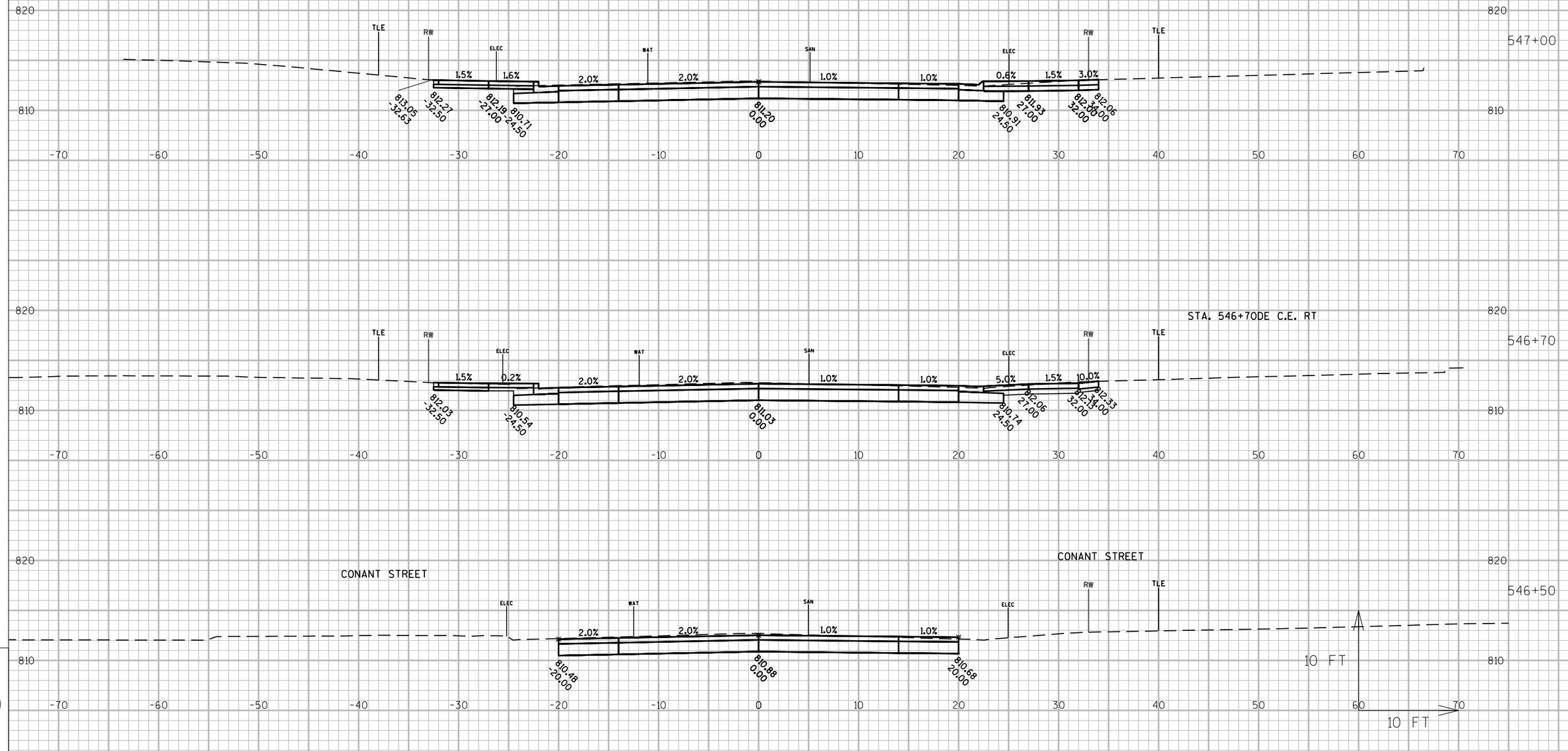
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: DEWITT STREET	SHEET 535	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_DEWITT.DWG
LAYOUT NAME - SECTION SHEET - (6)

PLOT DATE : 7/6/2020 2:55 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

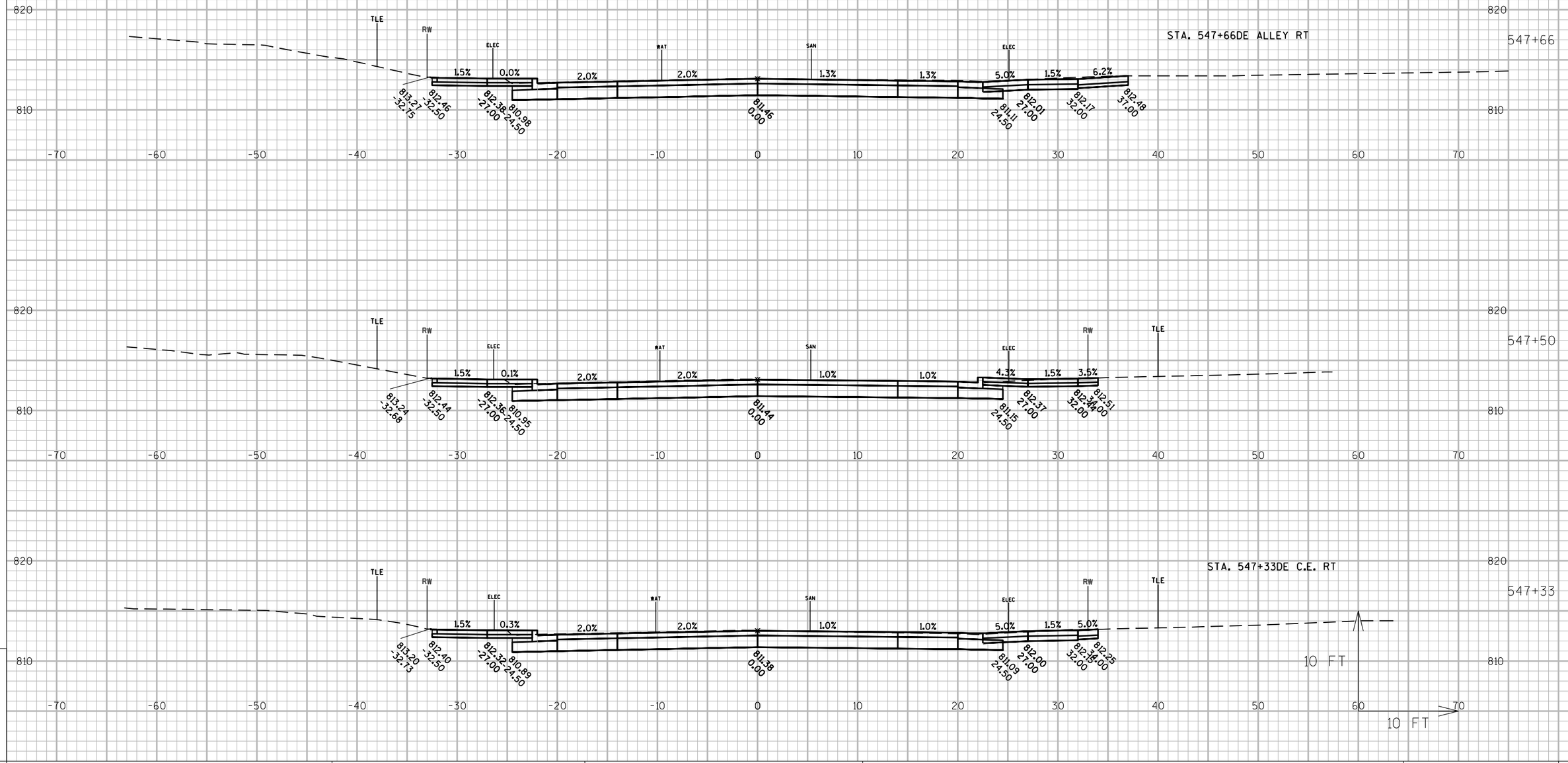


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: DEWITT STREET	SHEET 536 E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_DEWITT.DWG
LAYOUT NAME - SECTION SHEET - (7)

PLOT DATE : 7/6/2020 2:56 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

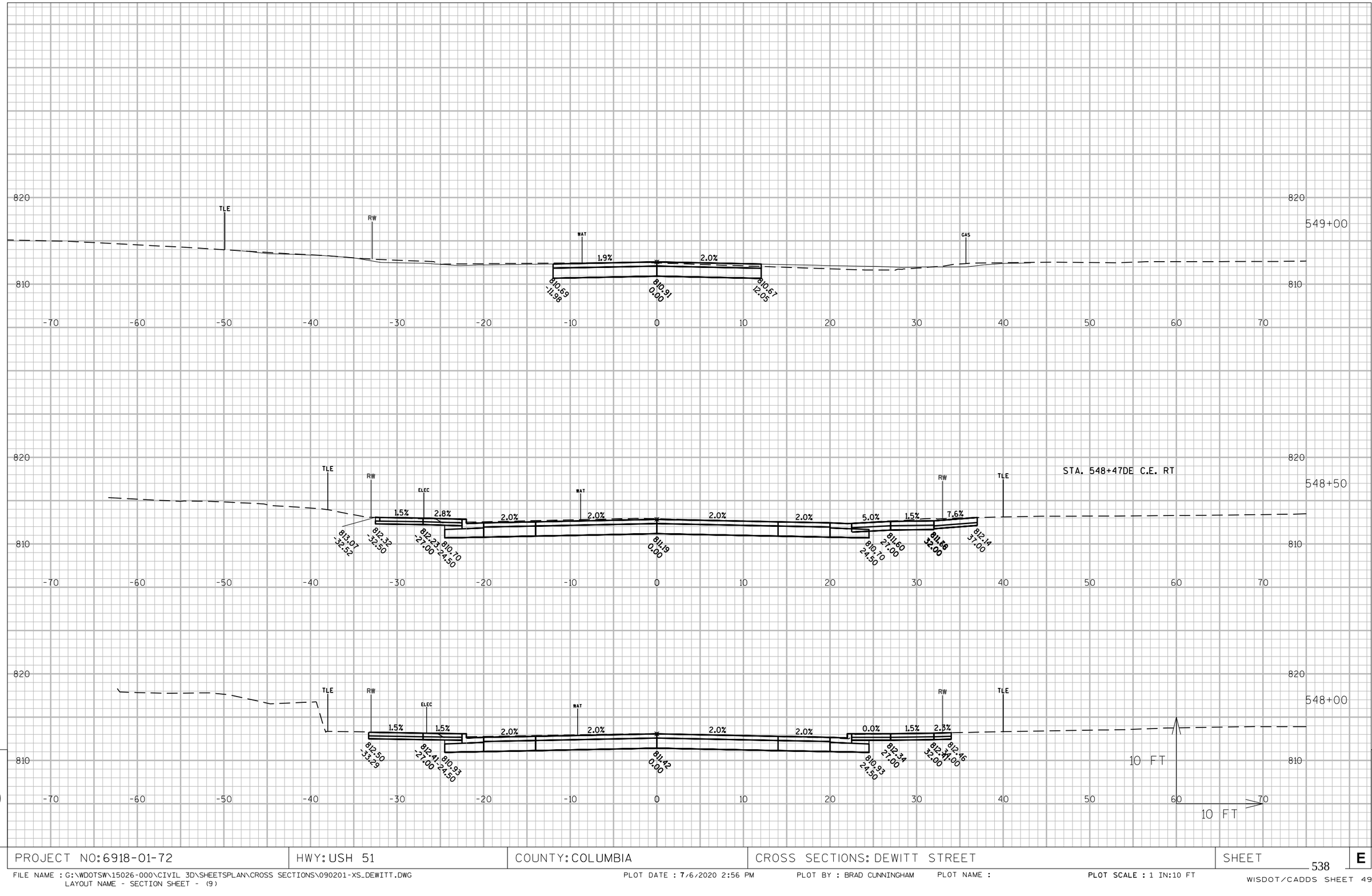
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: DEWITT STREET	SHEET 537	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_DEWITT.DWG
LAYOUT NAME - SECTION SHEET - (8)

PLOT DATE : 7/6/2020 2:56 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

9

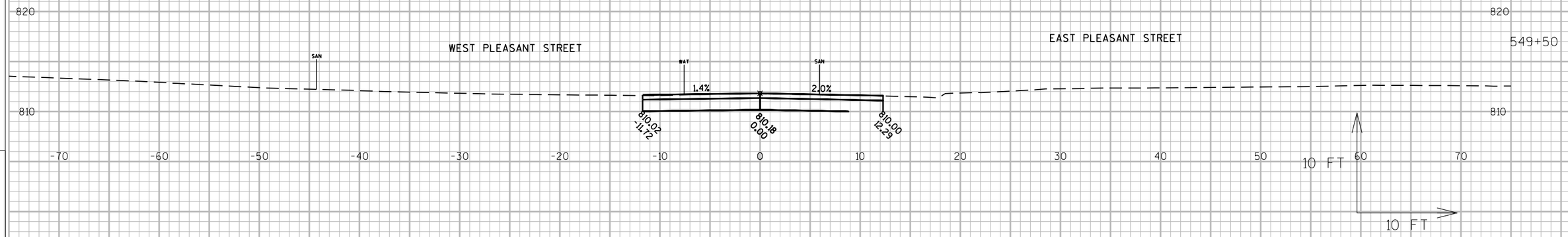
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: DEWITT STREET	SHEET 538 E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_DEWITT.DWG
LAYOUT NAME - SECTION SHEET - (9)

PLOT DATE : 7/6/2020 2:56 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 549+75 'DE'



9

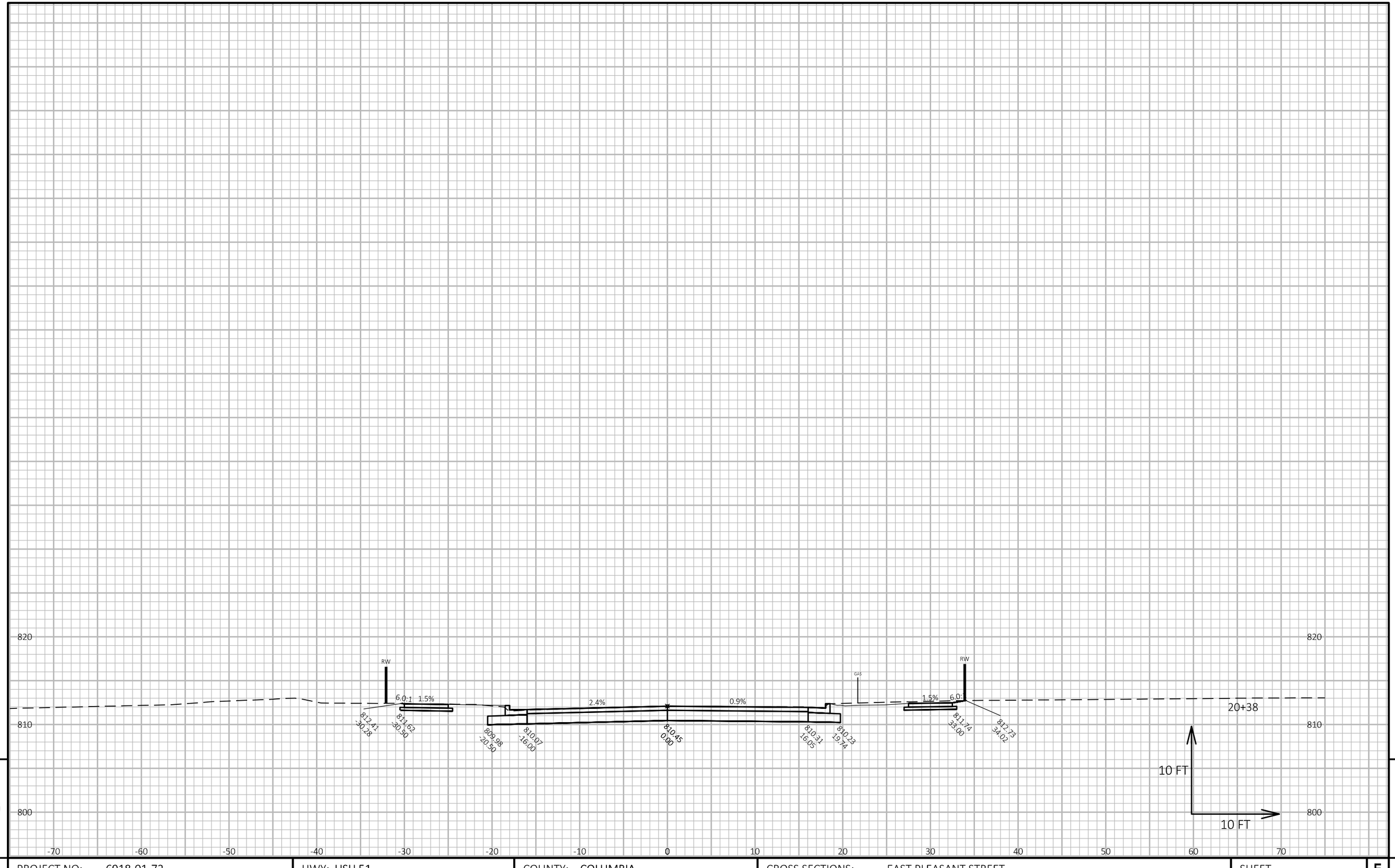
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: DEWITT STREET	SHEET 539	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_DEWITT.DWG
LAYOUT NAME - SECTION SHEET - (10)

PLOT DATE : 7/6/2020 2:56 PM PLOT BY : BRAD CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

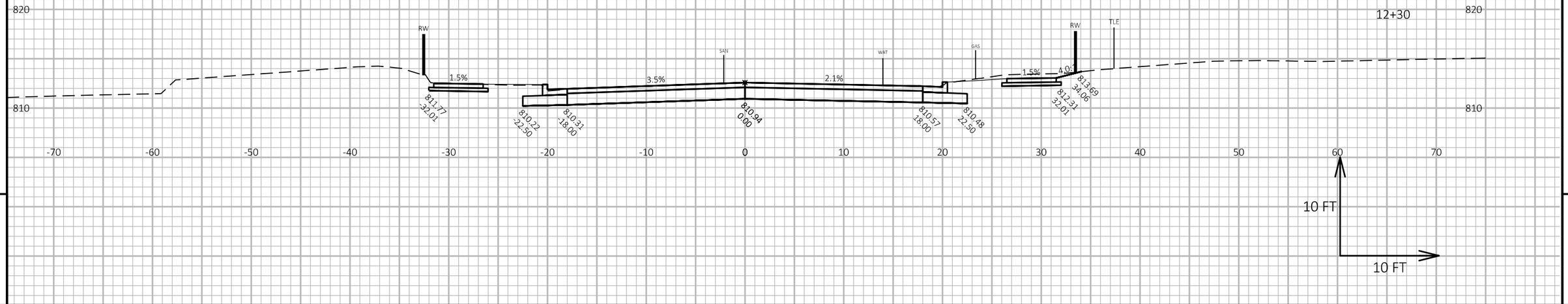
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: EAST PLEASANT STREET	SHEET 540	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - E Pleasant

PLOT DATE : 7/27/2020 8:59 AM PLOT BY : KAYLEE SIMON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

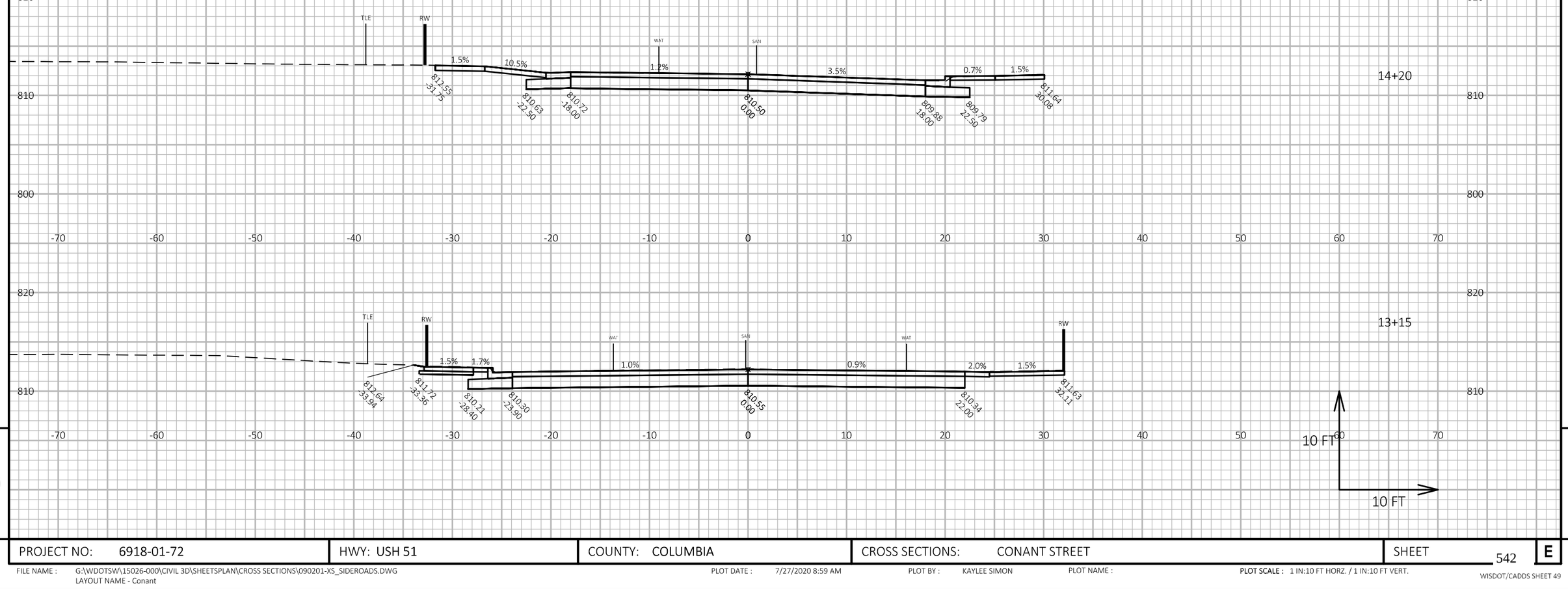
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WEST PLEASANT STREET	SHEET 541	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - W Pleasant

PLOT DATE : 7/27/2020 8:59 AM PLOT BY : KAYLEE SIMON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

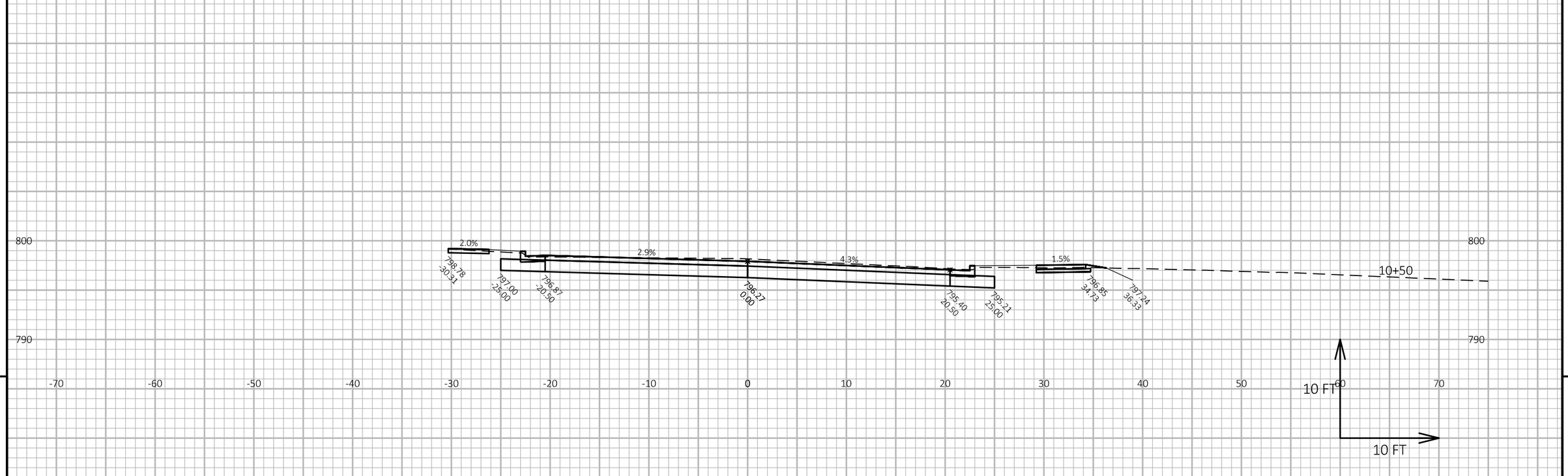
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: CONANT STREET	SHEET 542	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Conant

PLOT DATE : 7/27/2020 8:59 AM PLOT BY : KAYLEE SIMON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

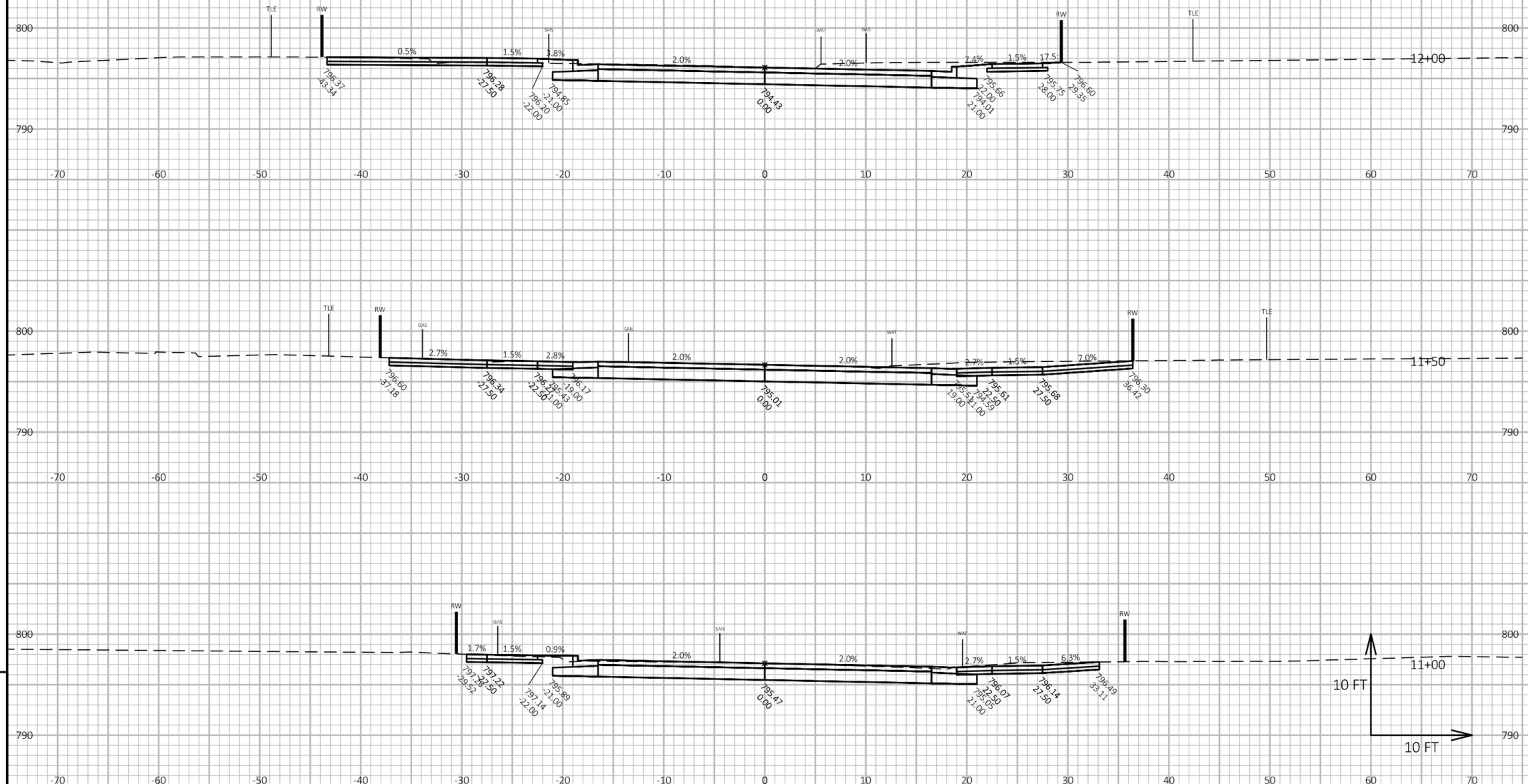
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: EAST EDGEWATER STREET	SHEET 543	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - E Edgewater

PLOT DATE : 7/27/2020 8:59 AM PLOT BY : KAYLEE SIMON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: W. EDGEWATER STREET	SHEET 544	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - W Edgewater

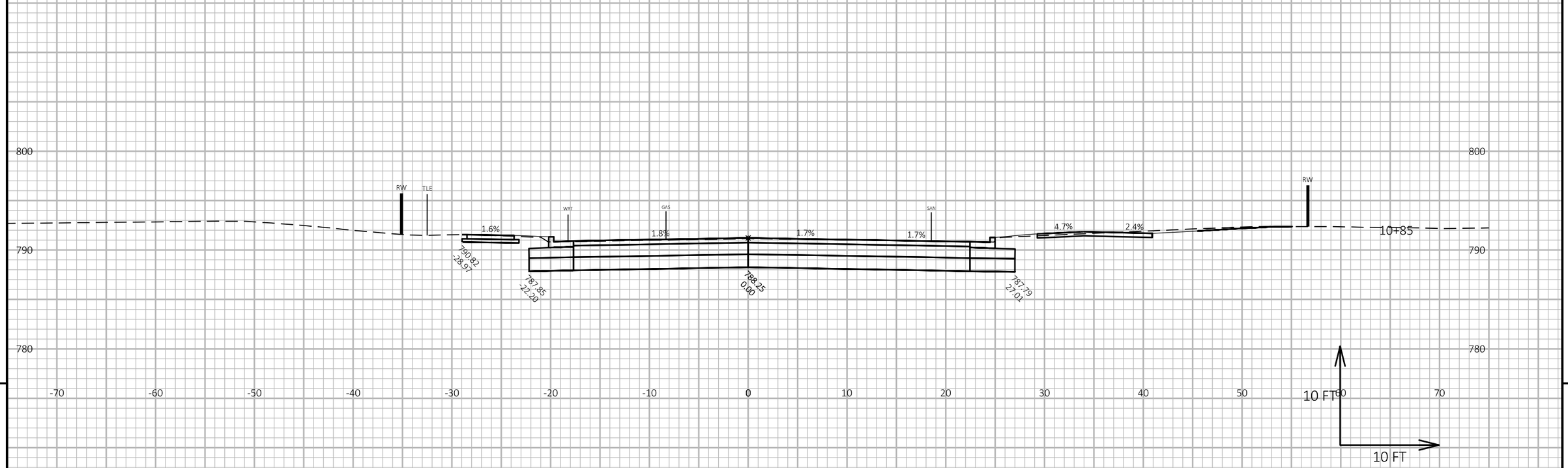
PLOT DATE : 7/27/2020 8:59 AM

PLOT BY : KAYLEE SIMON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

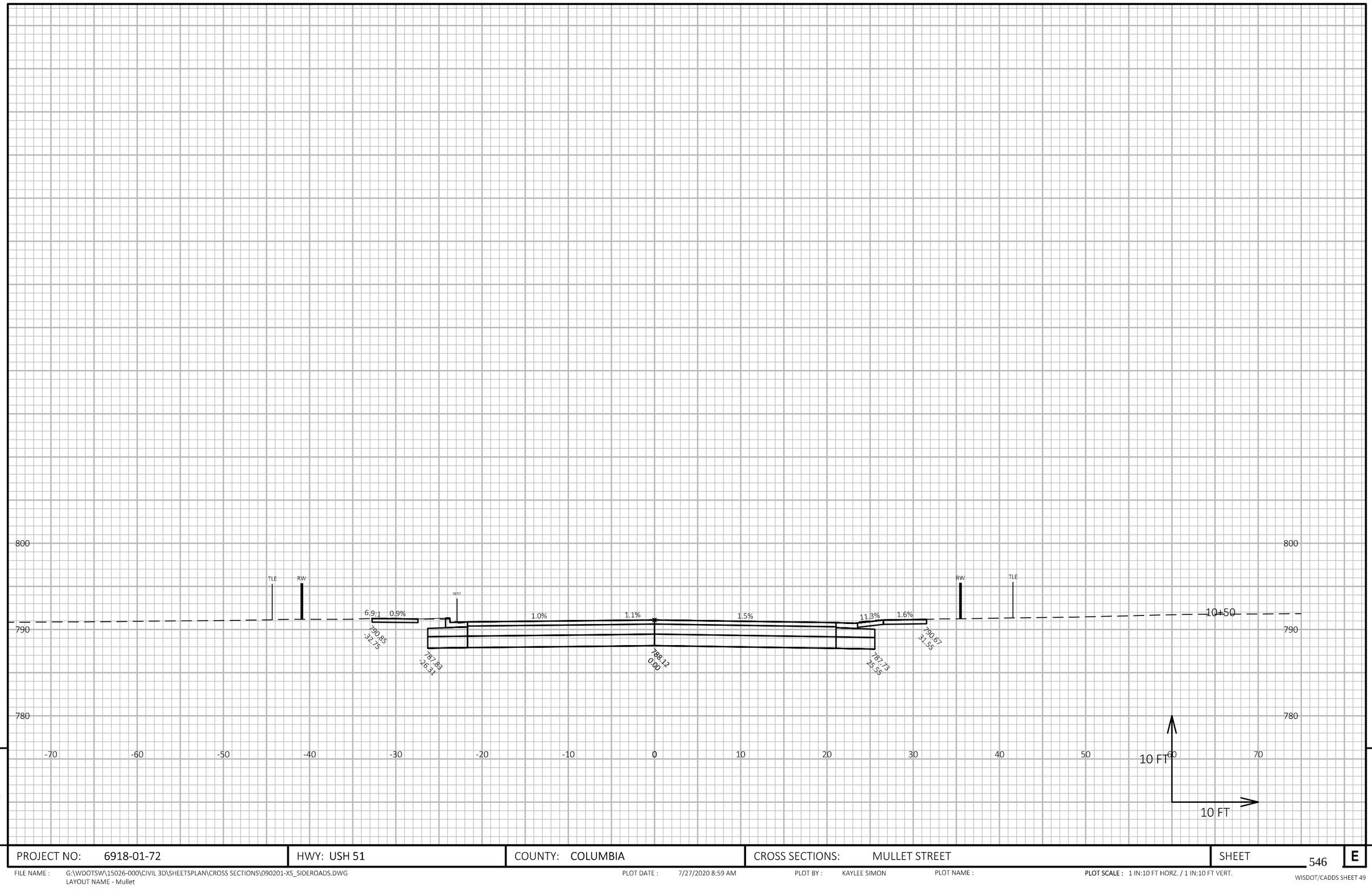


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WARREN STREET	SHEET 545	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Warren

PLOT DATE : 7/27/2020 8:59 AM PLOT BY : KAYLEE SIMON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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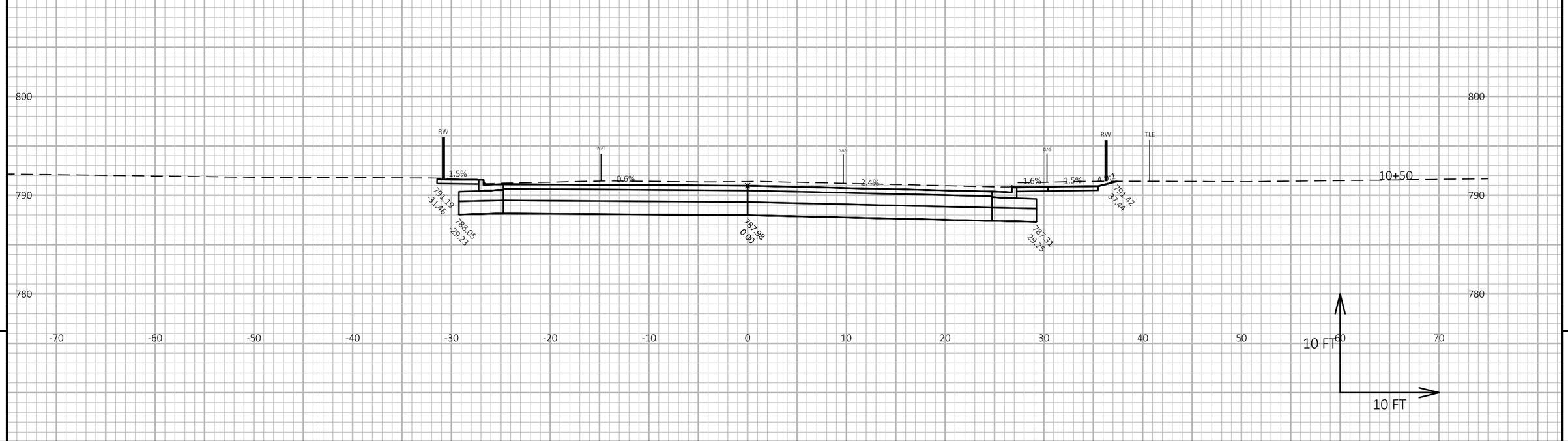
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: MULLET STREET	SHEET 546	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Mullet

PLOT DATE : 7/27/2020 8:59 AM PLOT BY : KAYLEE SIMON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

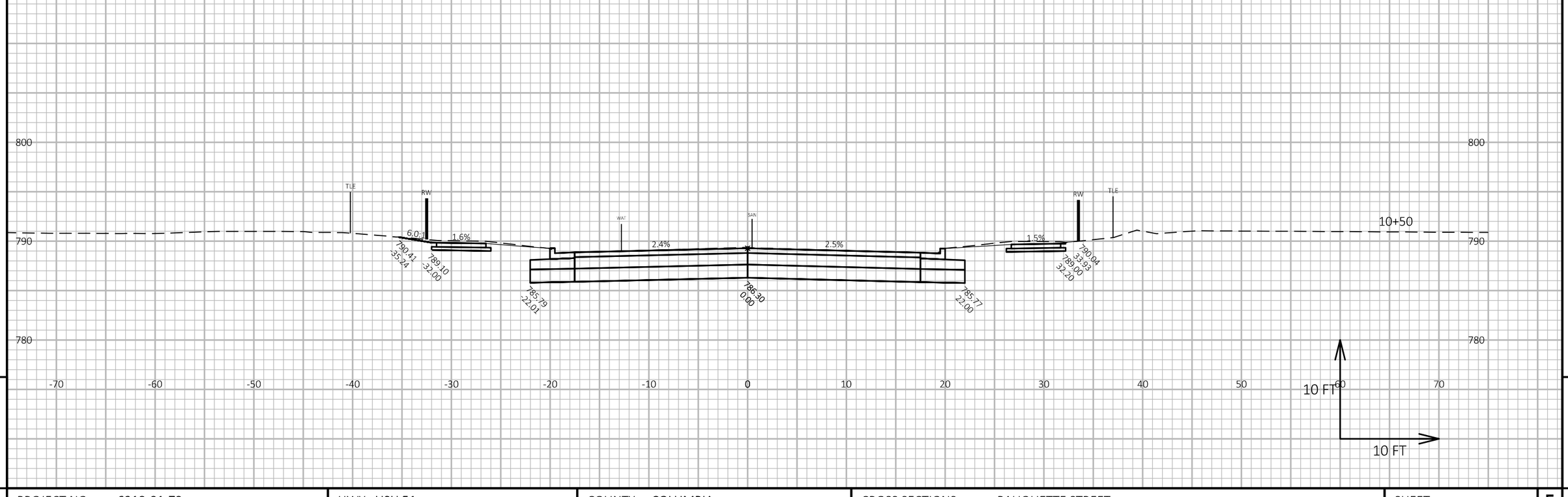
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: DODGE STREET	SHEET 547	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Dodge

PLOT DATE : 7/27/2020 8:59 AM PLOT BY : KAYLEE SIMON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



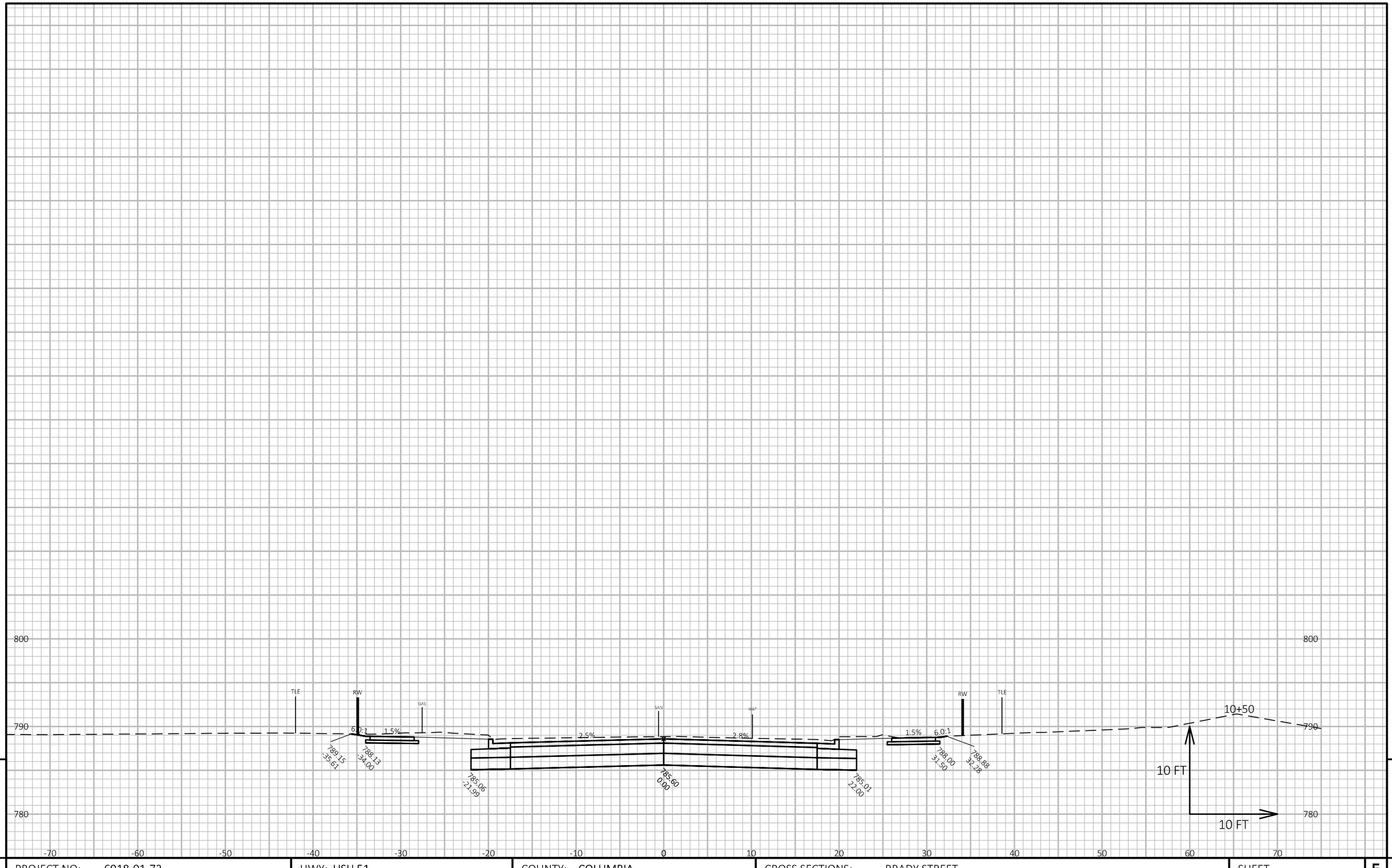
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: PAUQUETTE STREET	SHEET 548	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Pauquette

PLOT DATE : 7/27/2020 9:00 AM PLOT BY : KAYLEE SIMON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



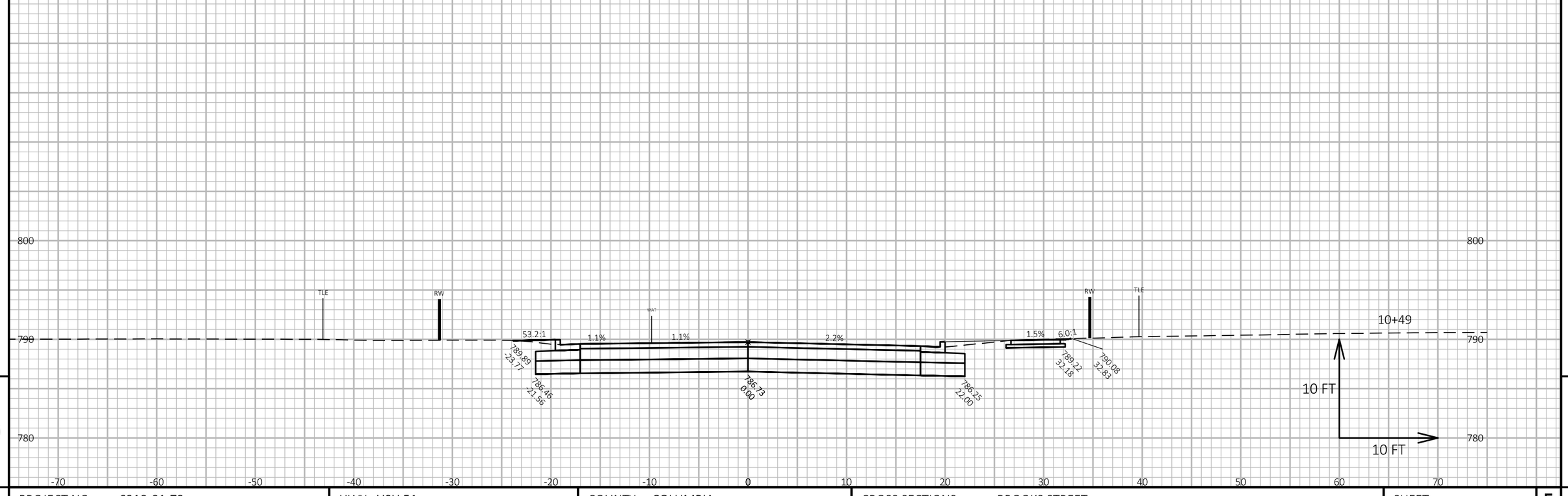
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9

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: BRADY STREET	SHEET 549	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Brady

PLOT DATE : 7/27/2020 9:00 AM PLOT BY : KAYLEE SIMON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



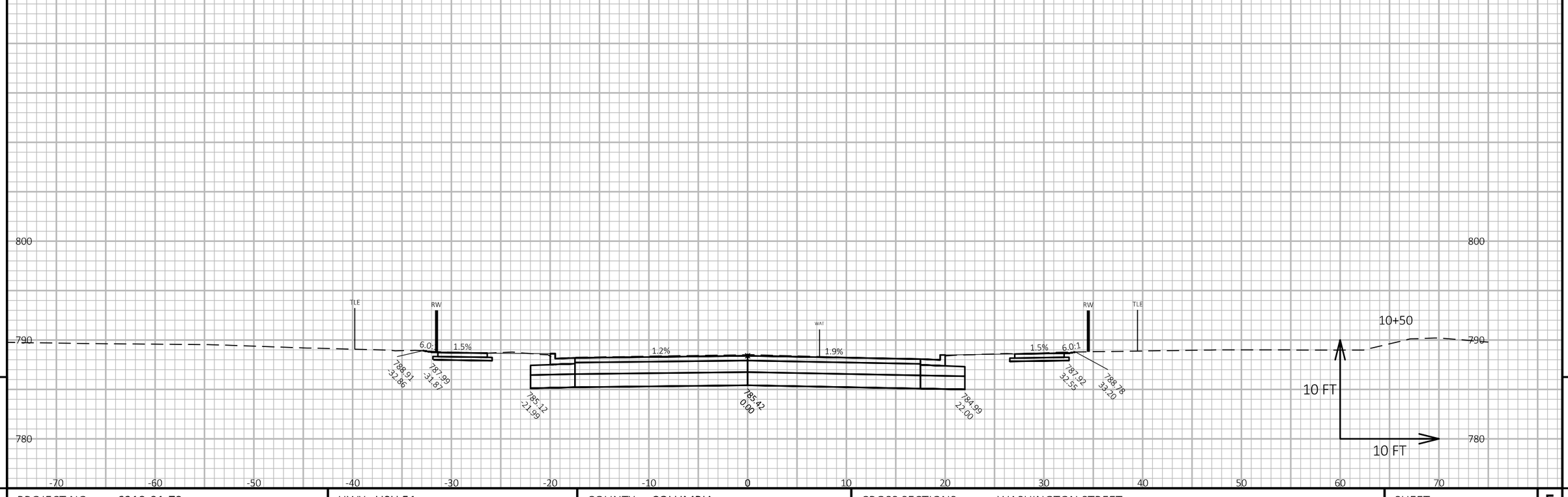
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9

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: BROOKS STREET	SHEET 550	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Brooks

PLOT DATE : 7/27/2020 9:00 AM PLOT BY : KAYLEE SIMON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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9

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WASHINGTON STREET	SHEET 551	E

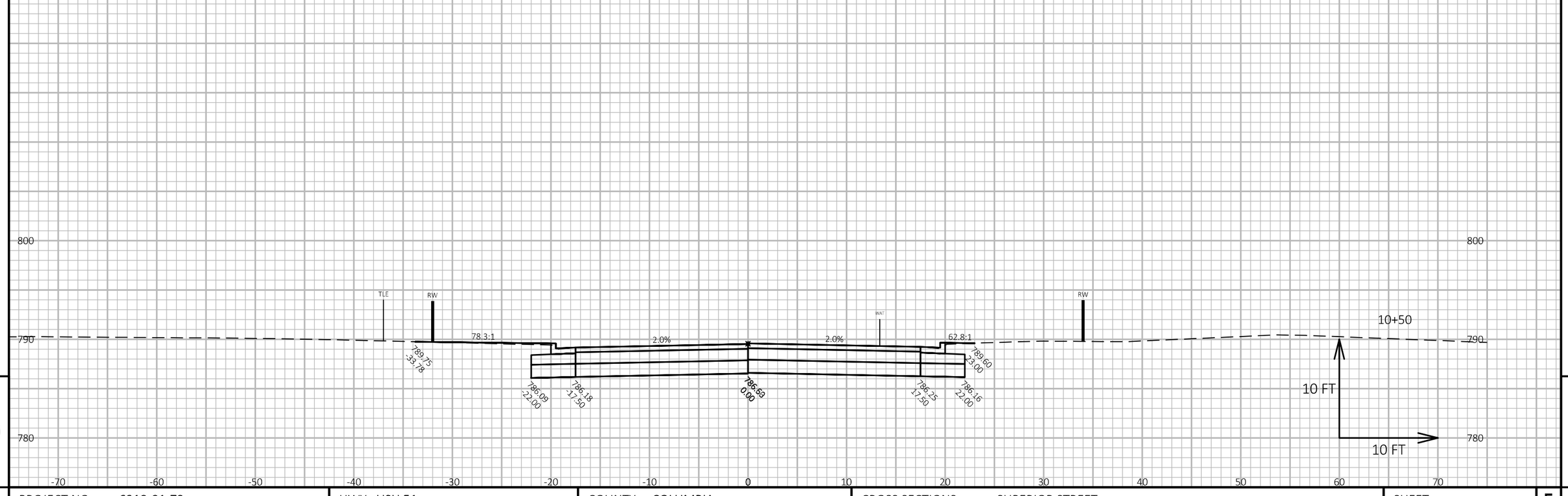
FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Washington

PLOT DATE : 7/27/2020 9:00 AM

PLOT BY : KAYLEE SIMON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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9

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: SUPERIOR STREET	SHEET 552	E

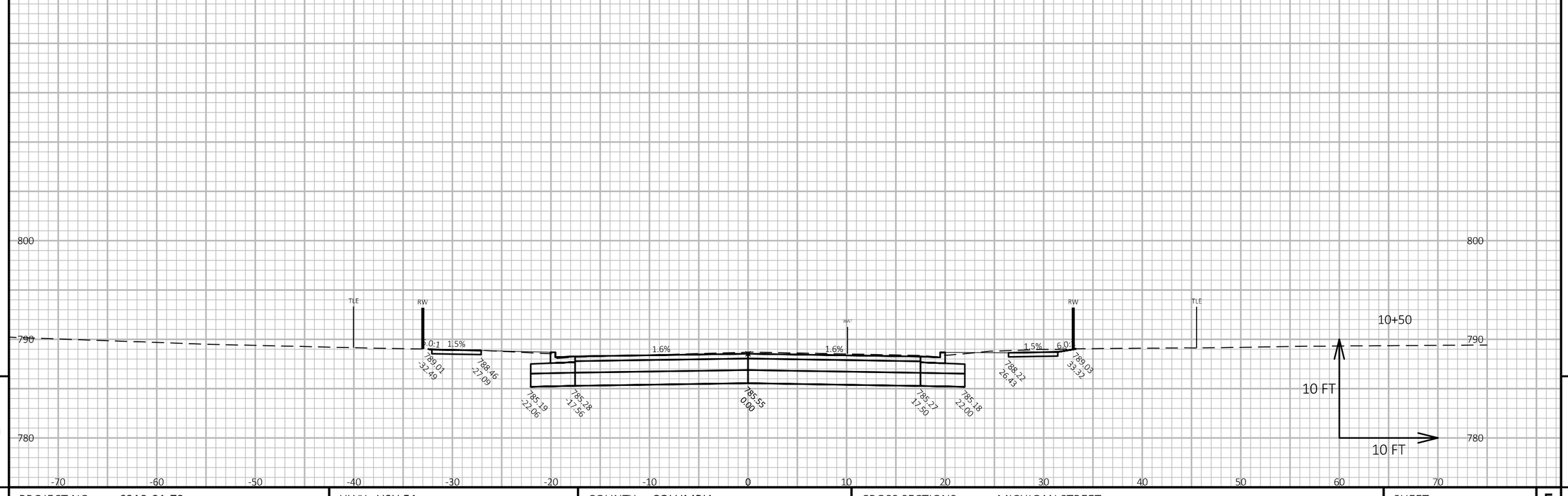
FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Superior

PLOT DATE : 7/27/2020 9:00 AM

PLOT BY : KAYLEE SIMON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: MICHIGAN STREET	SHEET 553	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Michigan

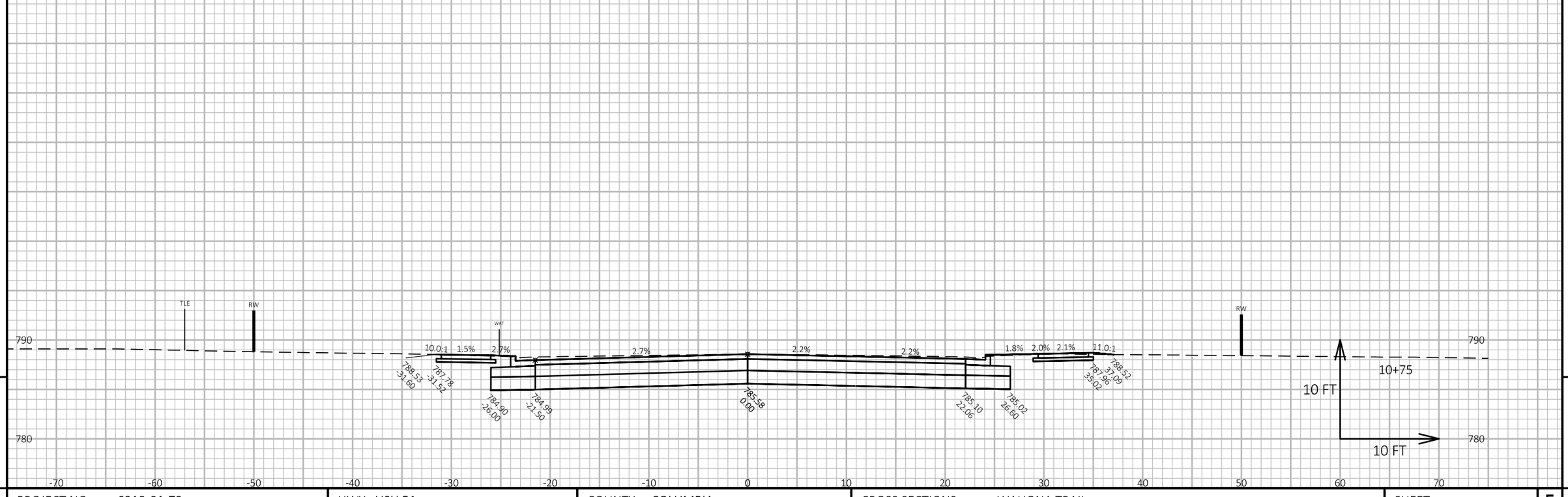
PLOT DATE : 7/27/2020 9:00 AM

PLOT BY : KAYLEE SIMON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

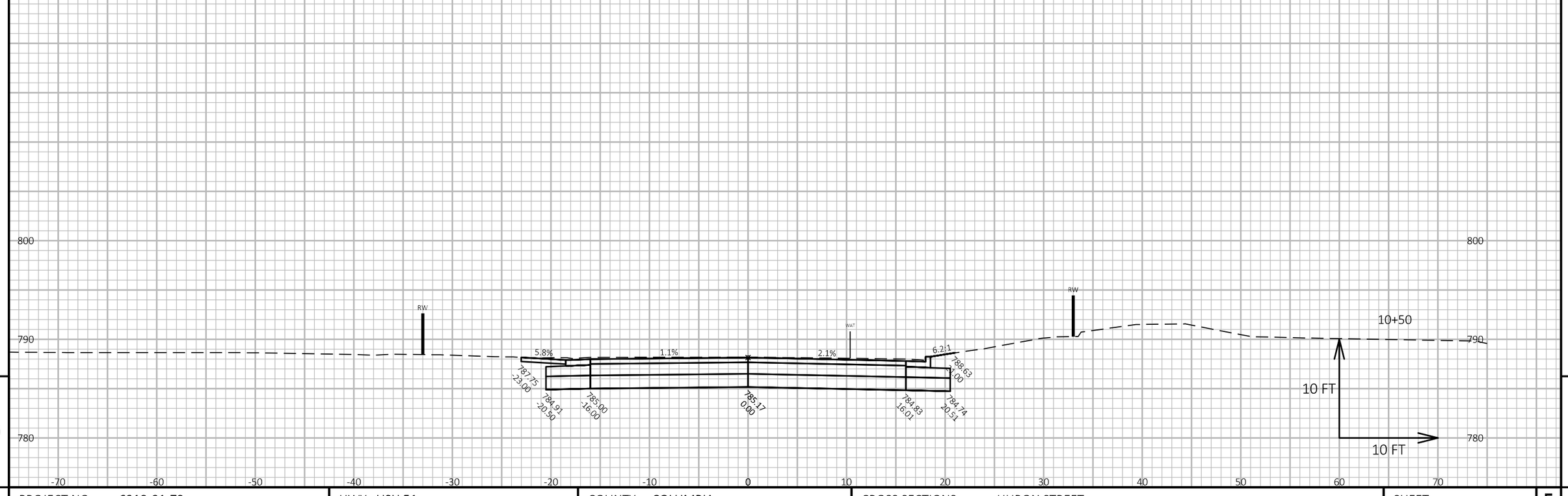
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: WAUONA TRAIL	SHEET 554	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Wauona

PLOT DATE : 7/27/2020 9:00 AM PLOT BY : KAYLEE SIMON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

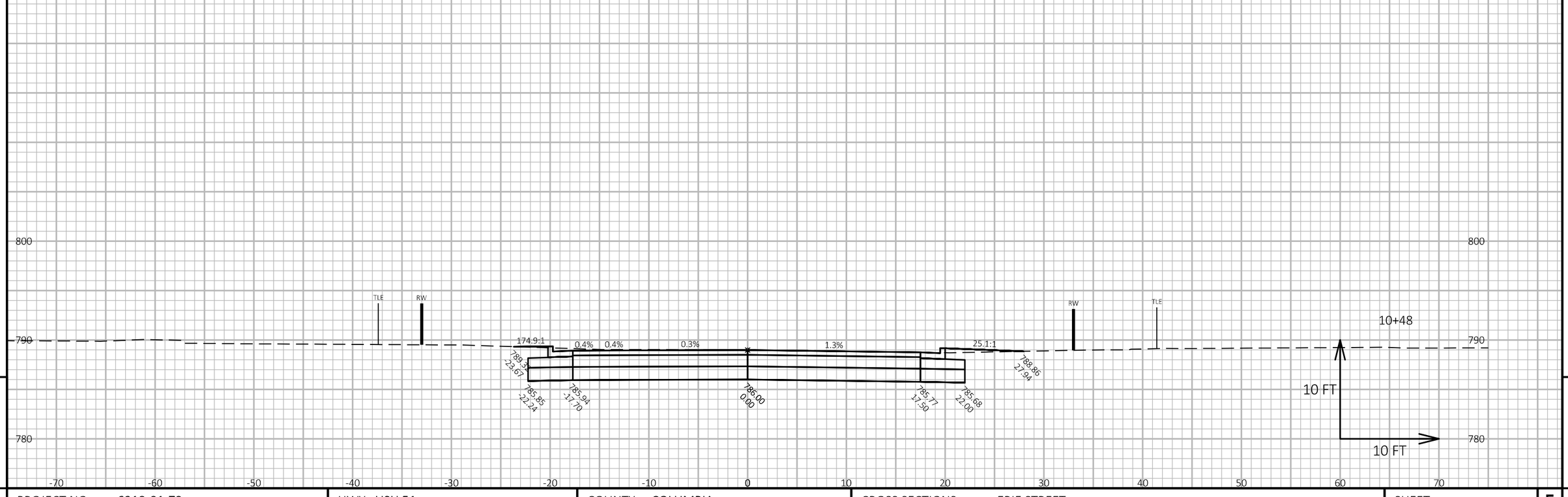
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: HURON STREET	SHEET 555	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Huron

PLOT DATE : 7/27/2020 9:00 AM PLOT BY : KAYLEE SIMON 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: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: ERIE STREET	SHEET 556	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Erie

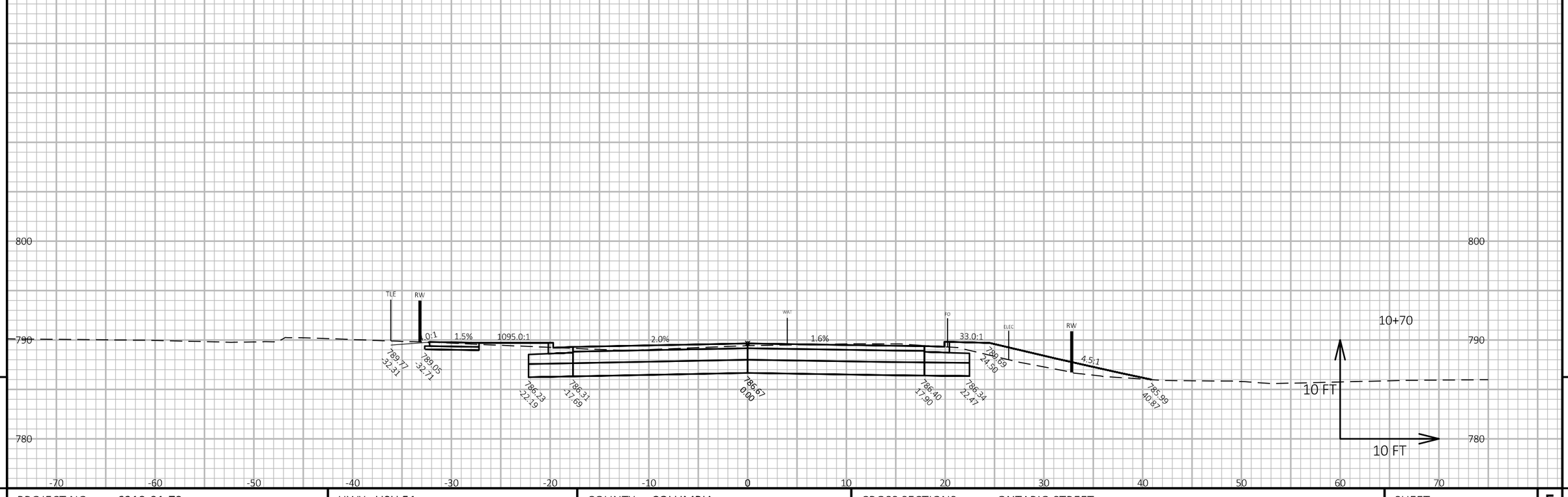
PLOT DATE : 7/27/2020 9:00 AM

PLOT BY : KAYLEE SIMON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

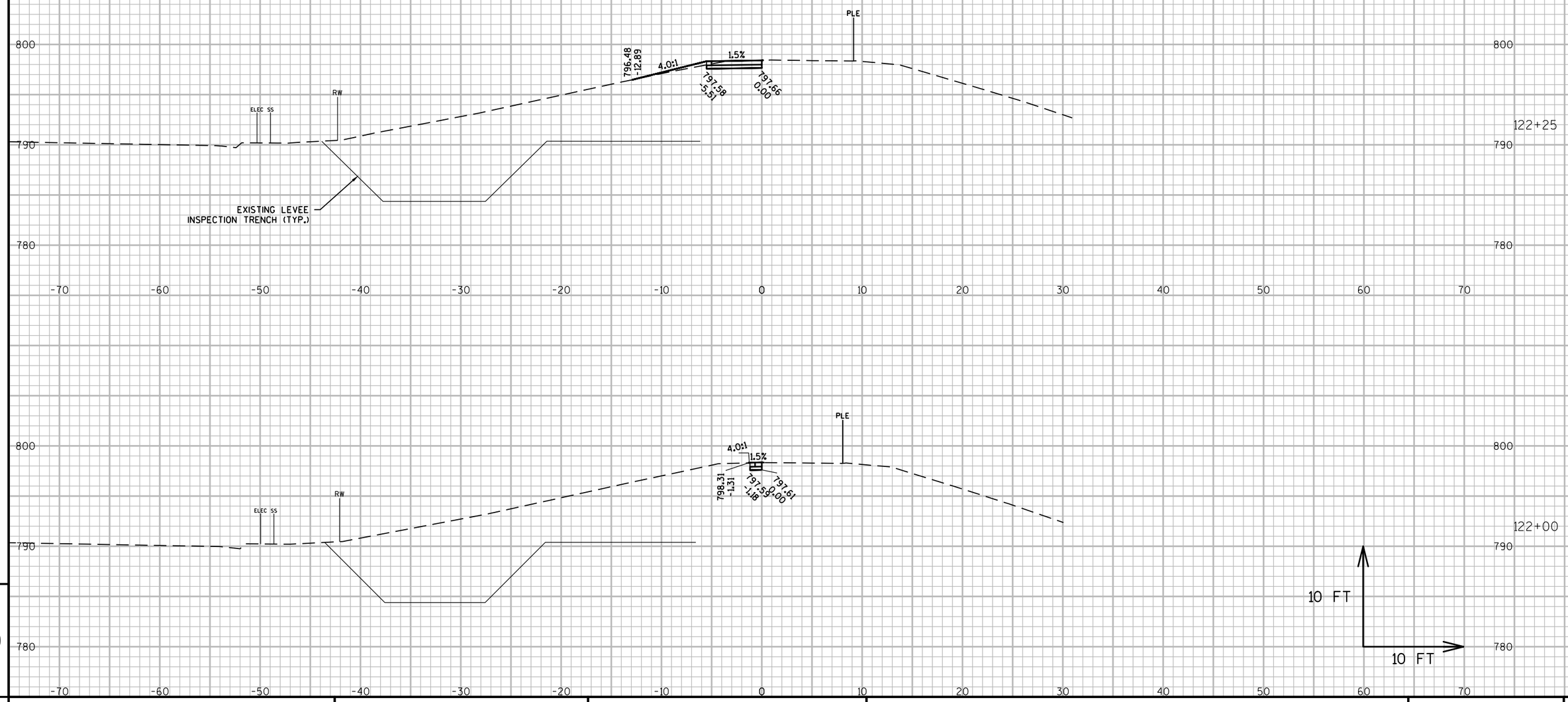


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: ONTARIO STREET	SHEET 557 E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_SIDEROADS.DWG
LAYOUT NAME - Ontario

PLOT DATE : 7/27/2020 9:01 AM PLOT BY : KAYLEE SIMON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

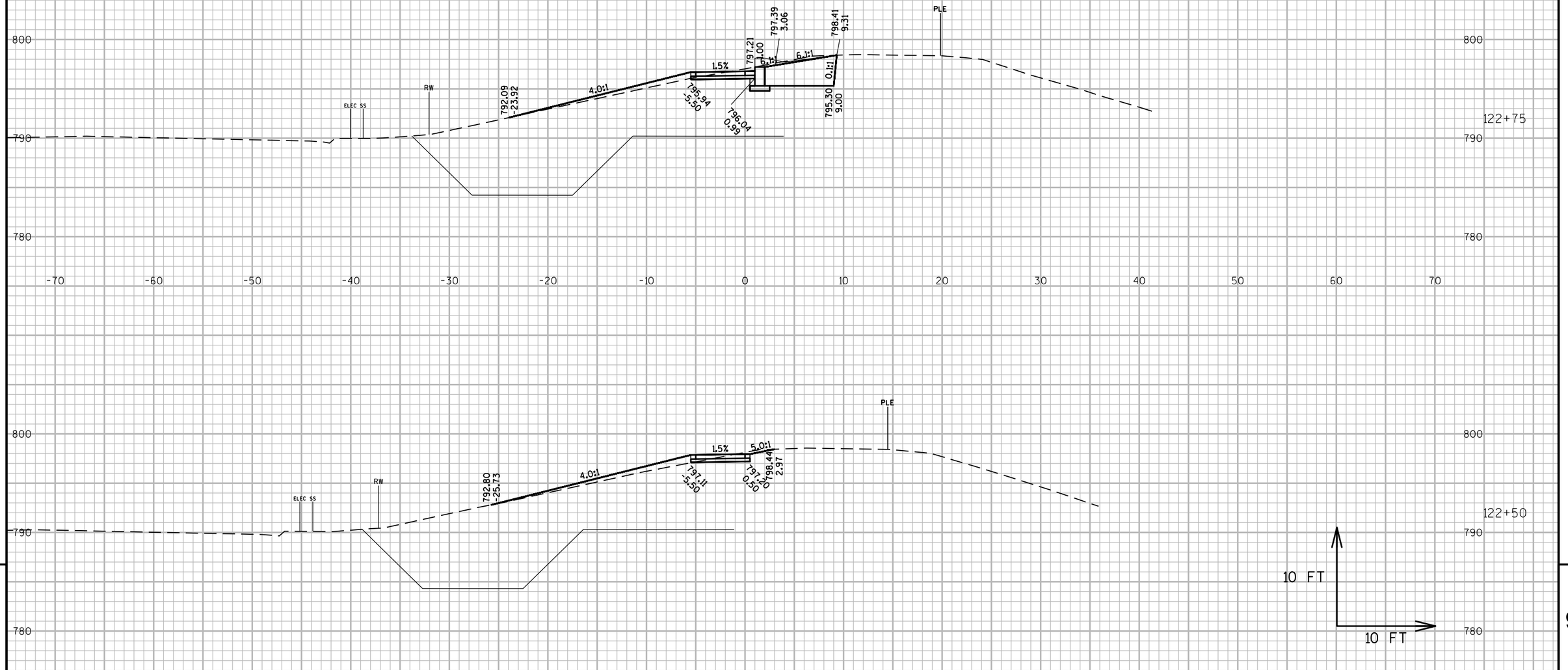
PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: LEVEE TRAIL CONNECTION 1	SHEET 558	E

9

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_LEVEE TRAILS.DWG
LAYOUT NAME - SECTION SHEET - (1)

PLOT DATE : 4/29/2020 8:05 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

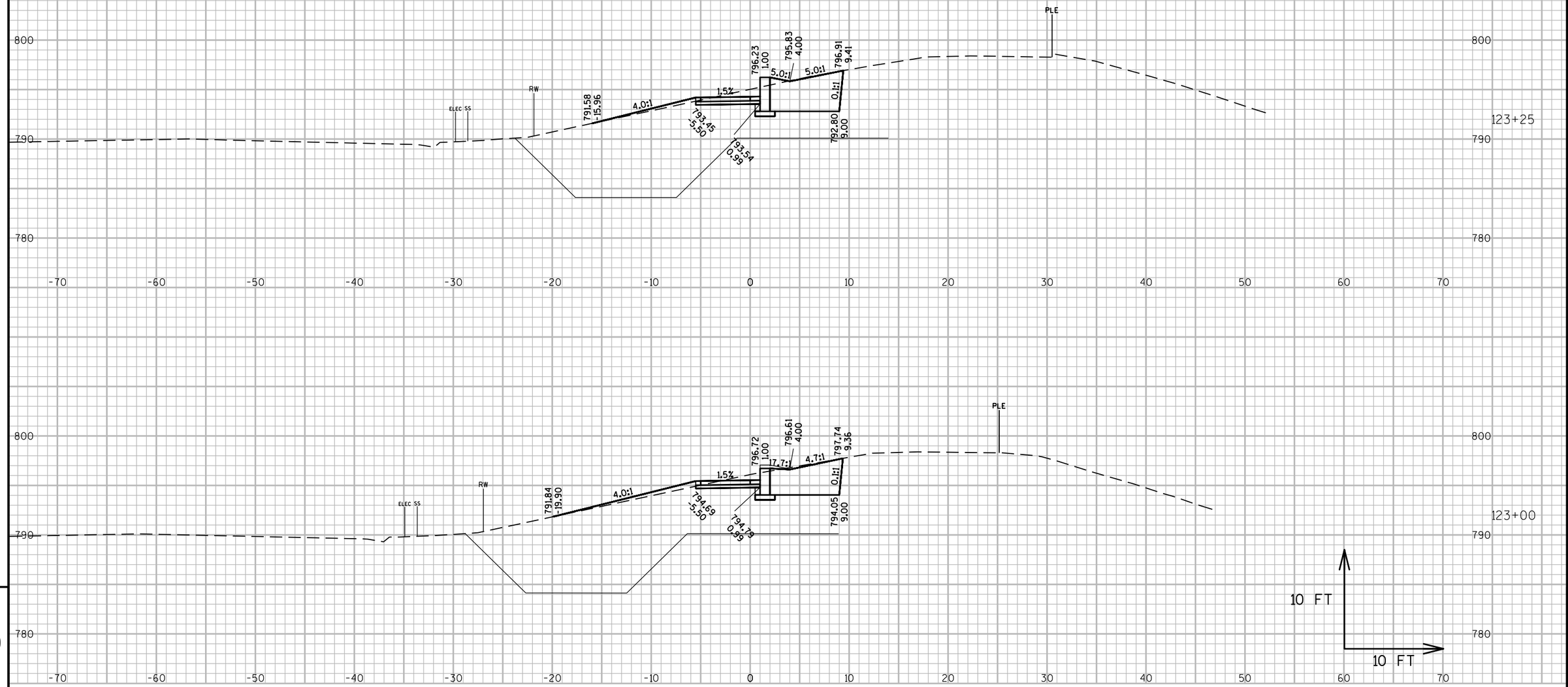


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: LEVEE TRAIL CONNECTION 1	SHEET 559	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_LEVEE TRAILS.DWG
LAYOUT NAME - SECTION SHEET - (2)

PLOT DATE : 4/29/2020 8:05 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

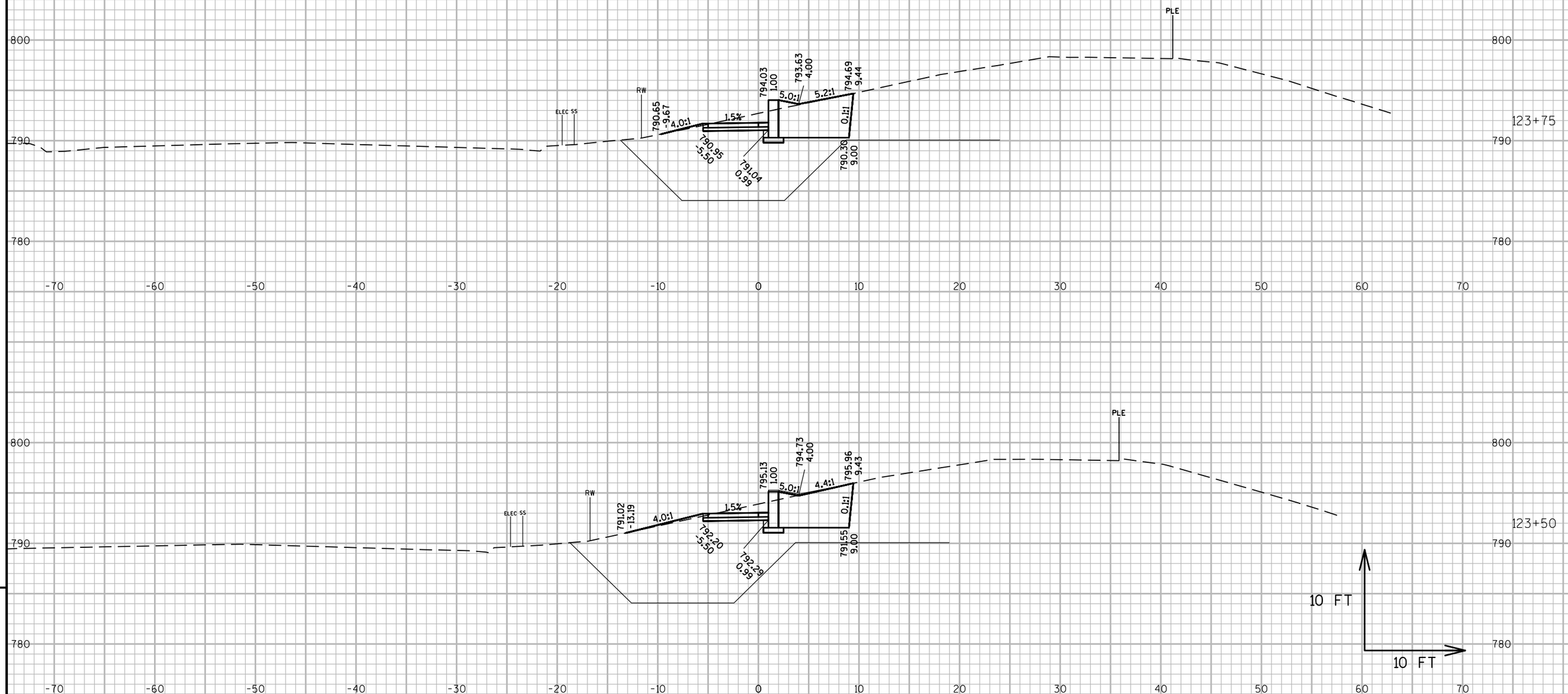
WISDOT/CADDS SHEET 49



PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: LEVEE TRAIL CONNECTION 1	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_LEVEE TRAILS.DWG
LAYOUT NAME - SECTION SHEET - (3)

PLOT DATE : 4/29/2020 8:06 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT



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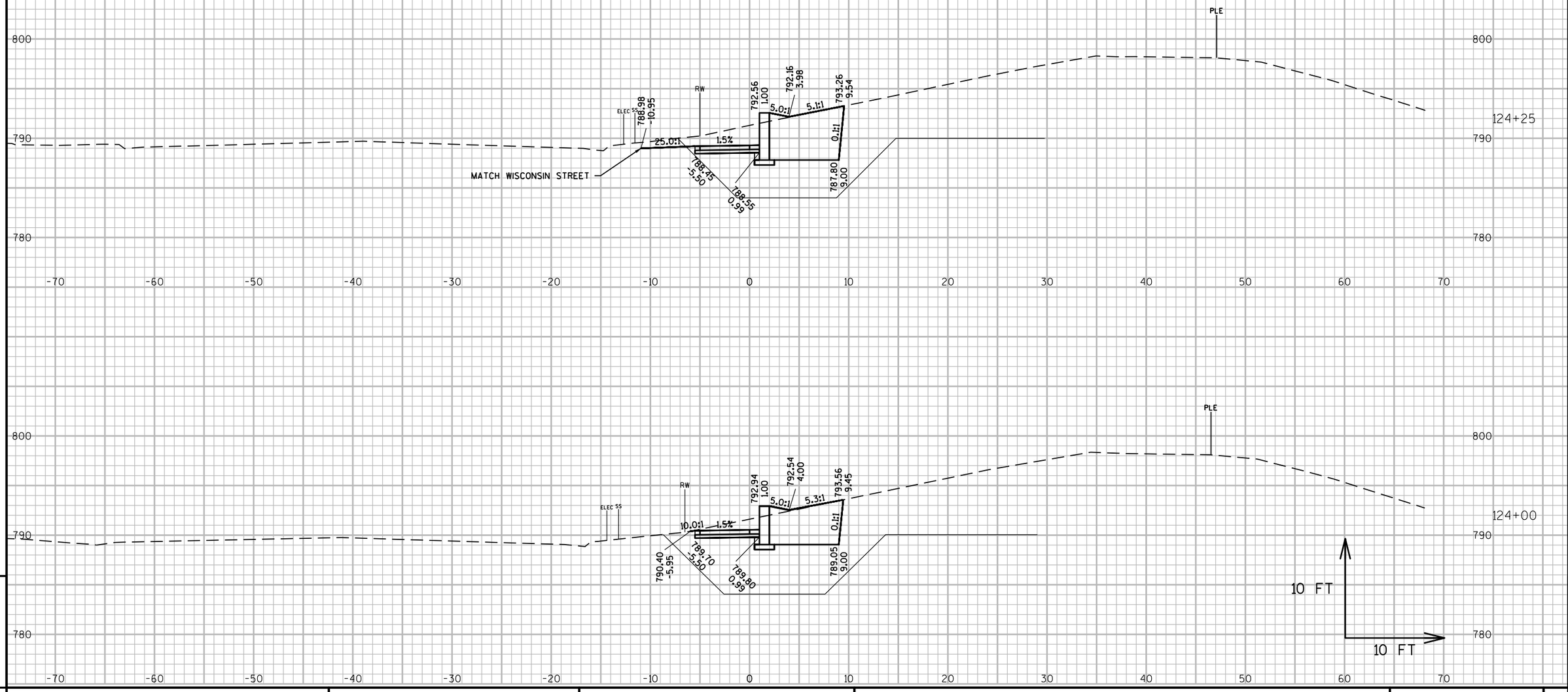
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: LEVEE TRAIL CONNECTION 1	SHEET 561	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_LEVEE TRAILS.DWG
LAYOUT NAME - SECTION SHEET - (4)

PLOT DATE : 4/29/2020 8:06 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

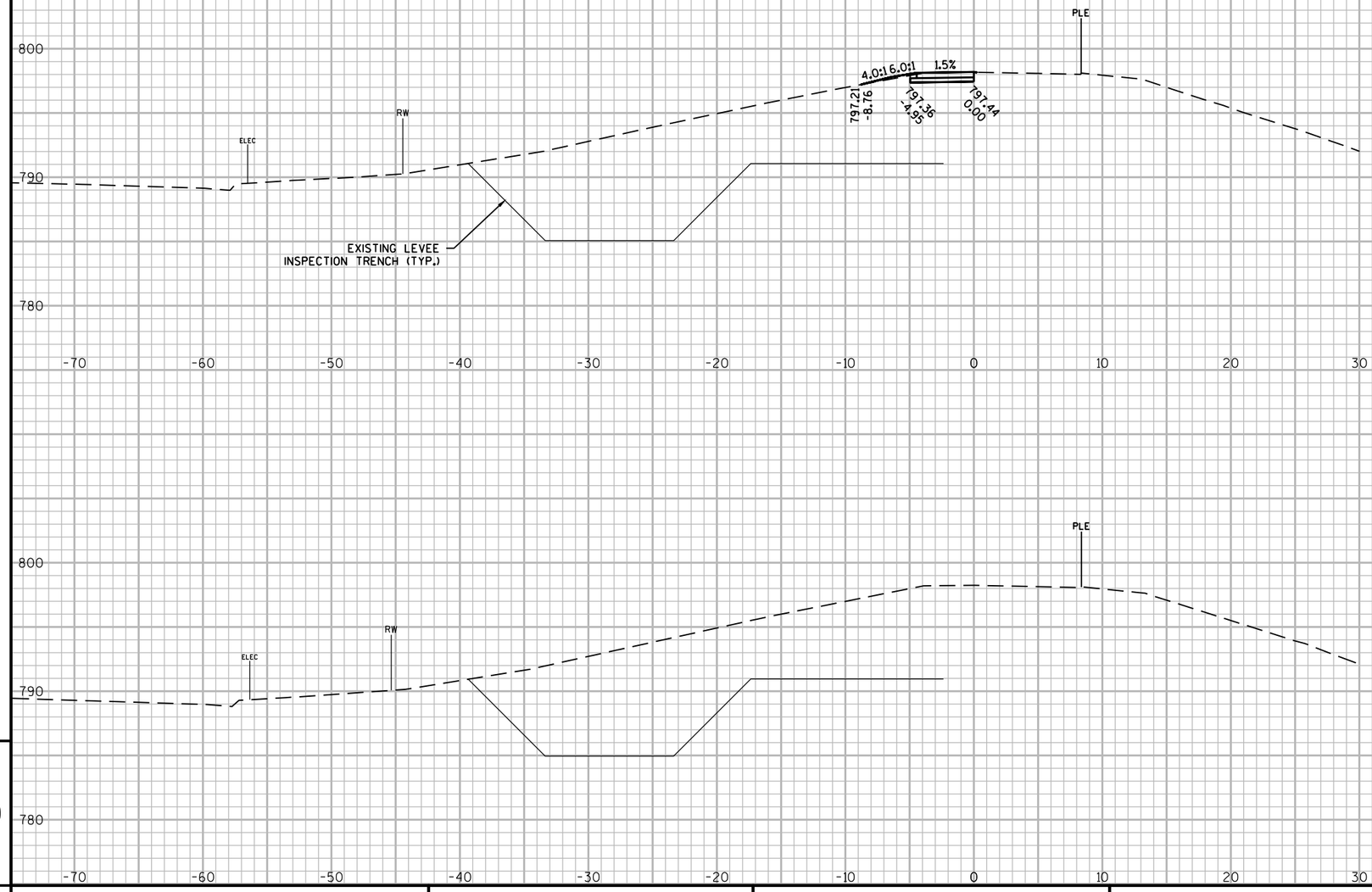
WISDOT/CADDS SHEET 49

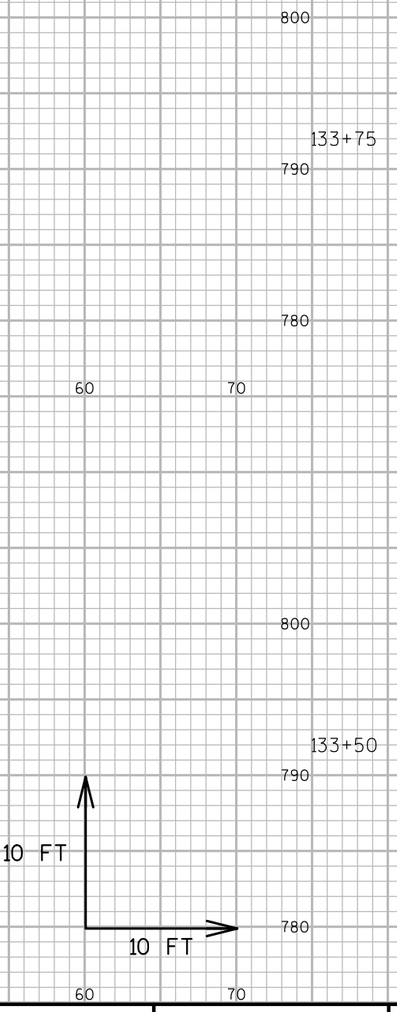


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: LEVEE TRAIL CONNECTION 1	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_LEVEE TRAILS.DWG
LAYOUT NAME - SECTION SHEET - (5)

PLOT DATE : 4/29/2020 8:06 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT



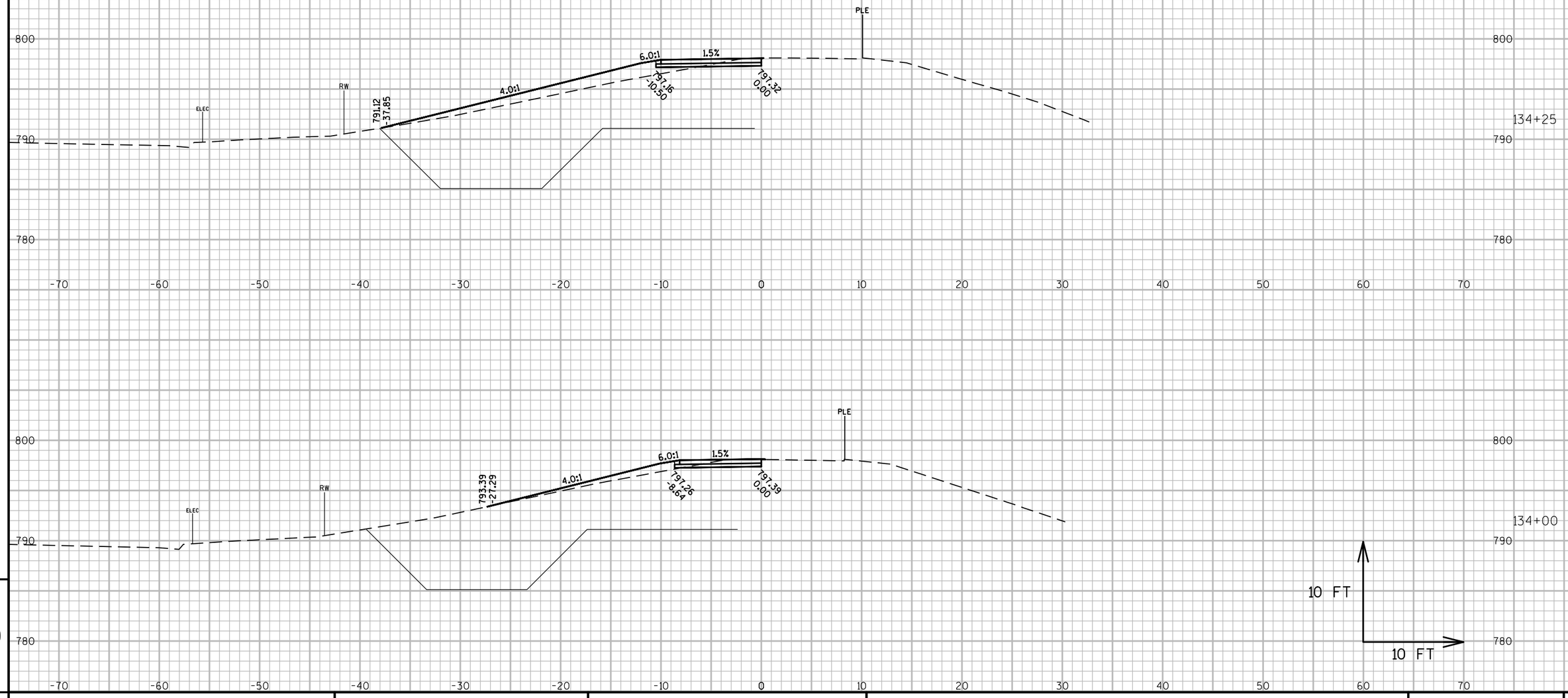


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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: LEVEE TRAIL CONNECTION 2	SHEET 563	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_LEVEE TRAILS.DWG
LAYOUT NAME - SECTION SHEET - (10)
PLOT DATE : 4/29/2020 8:06 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49

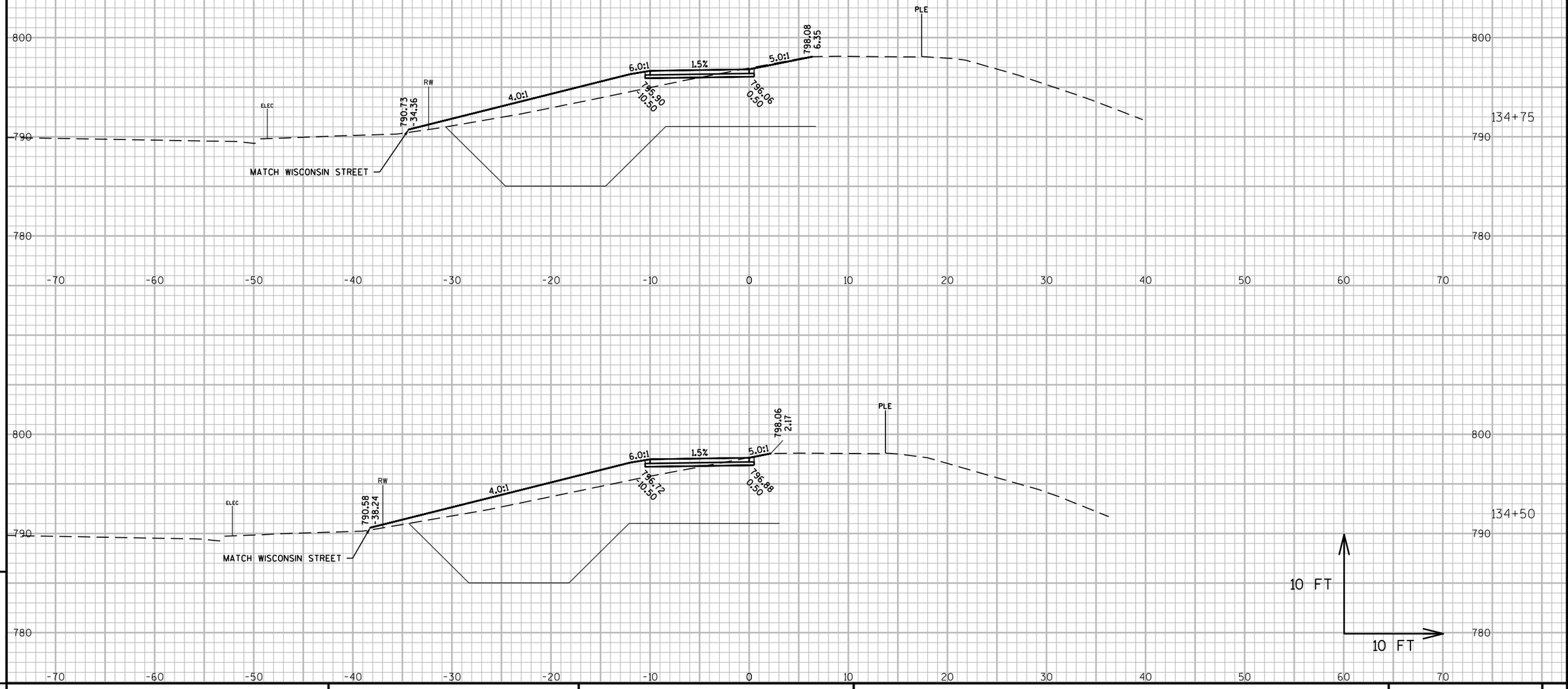


PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: LEVEE TRAIL CONNECTION 2	SHEET 564 E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_LEVEE TRAILS.DWG
LAYOUT NAME - SECTION SHEET - (11)

PLOT DATE : 4/29/2020 8:06 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

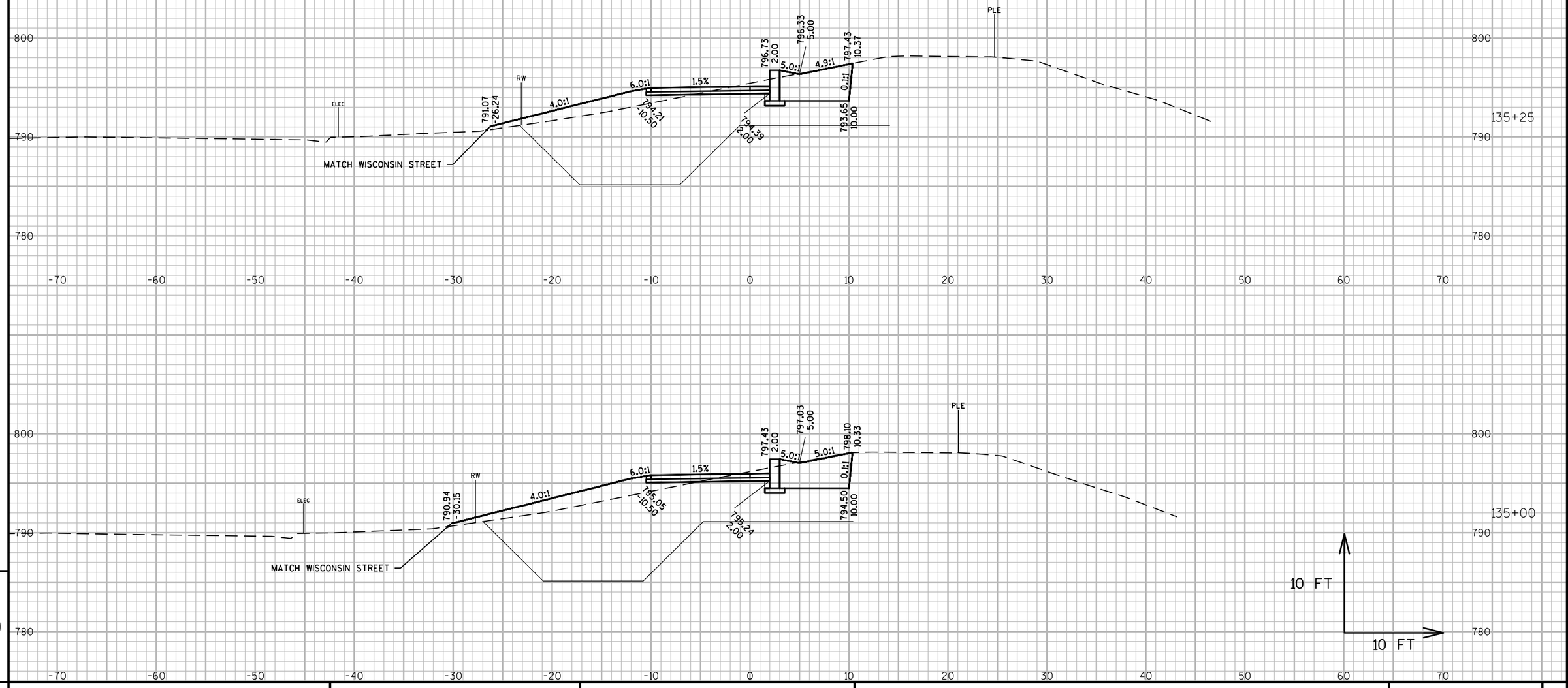
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: LEVEE TRAIL CONNECTION 2	SHEET 565	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_LEVEE TRAILS.DWG
LAYOUT NAME - SECTION SHEET - (12)

PLOT DATE : 4/29/2020 8:06 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

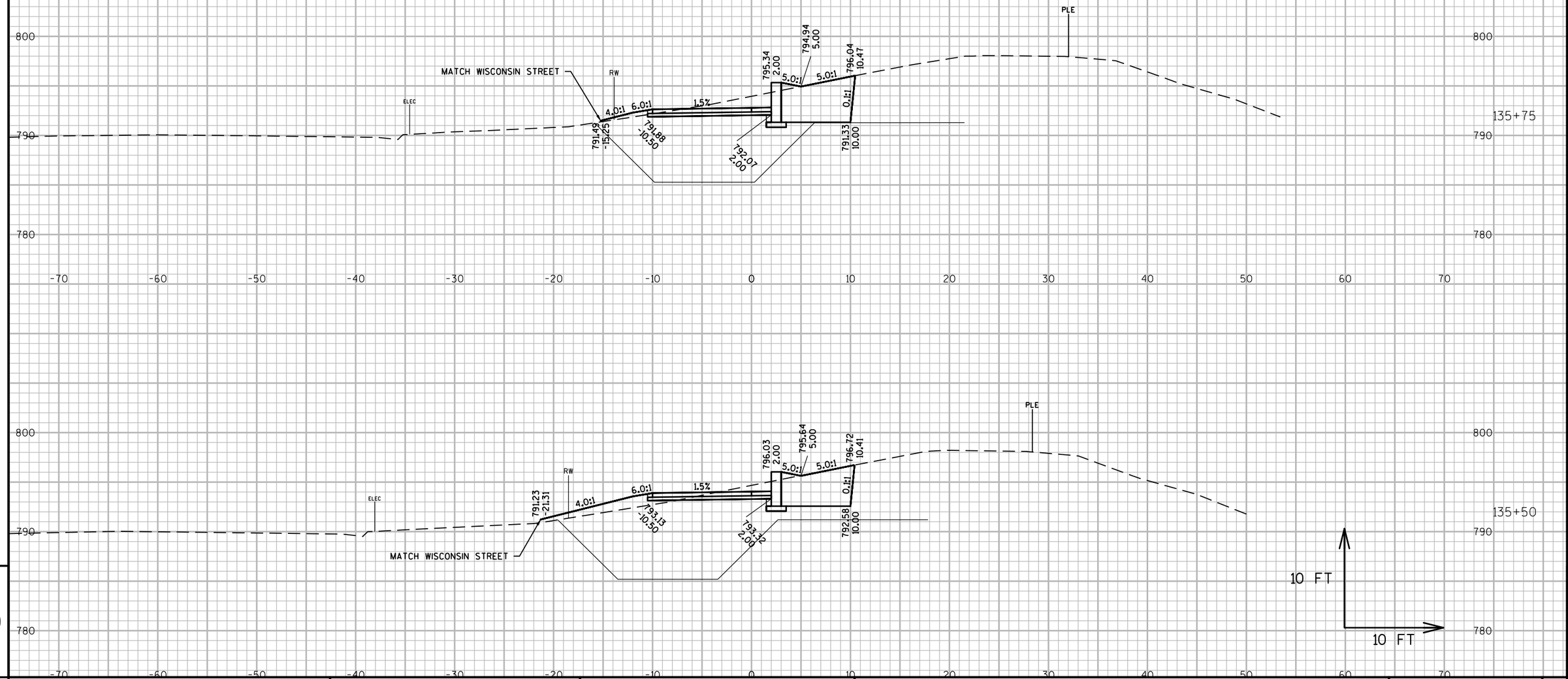
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: LEVEE TRAIL CONNECTION 2	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_LEVEE TRAILS.DWG
LAYOUT NAME - SECTION SHEET - (13)

PLOT DATE : 4/29/2020 8:06 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



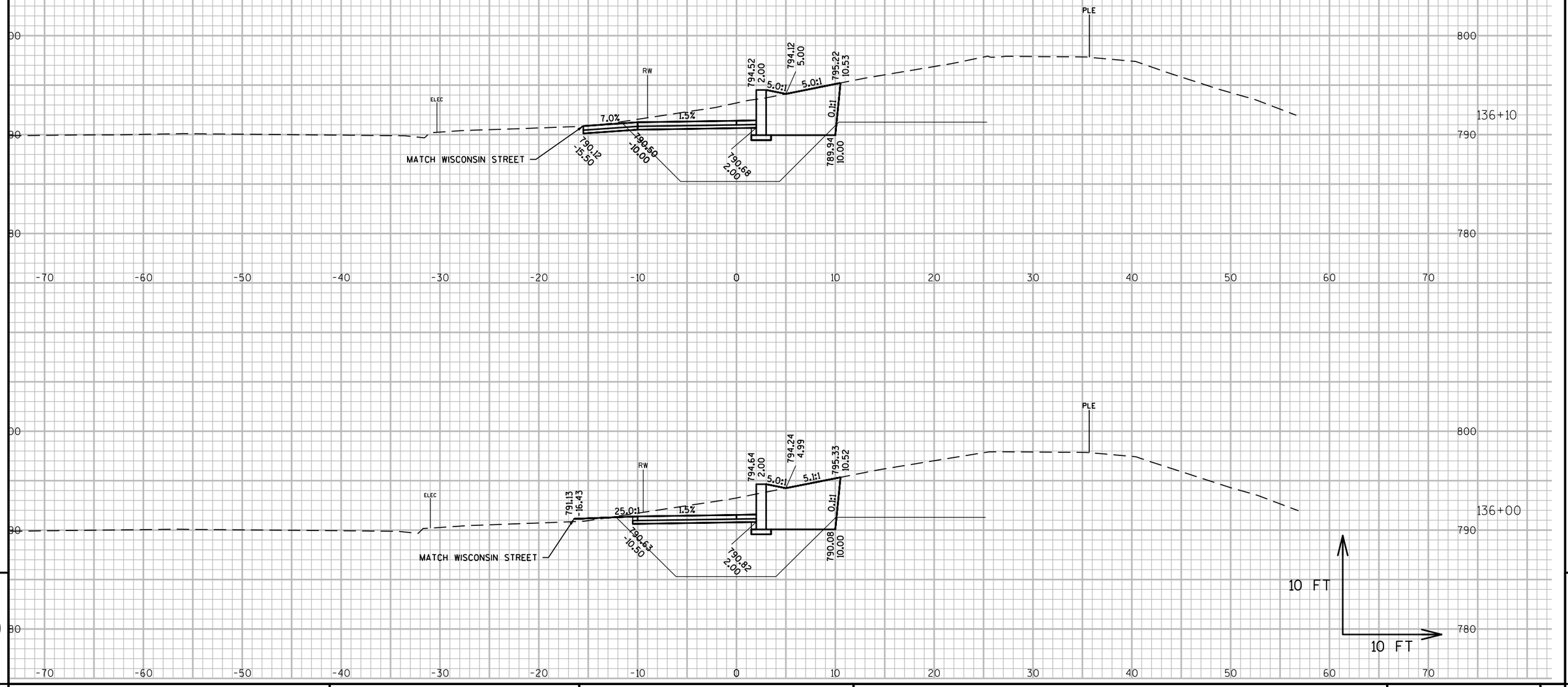
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: LEVEE TRAIL CONNECTION 2	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_LEVEE TRAILS.DWG
LAYOUT NAME - SECTION SHEET - (13)

PLOT DATE : 4/29/2020 8:06 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT



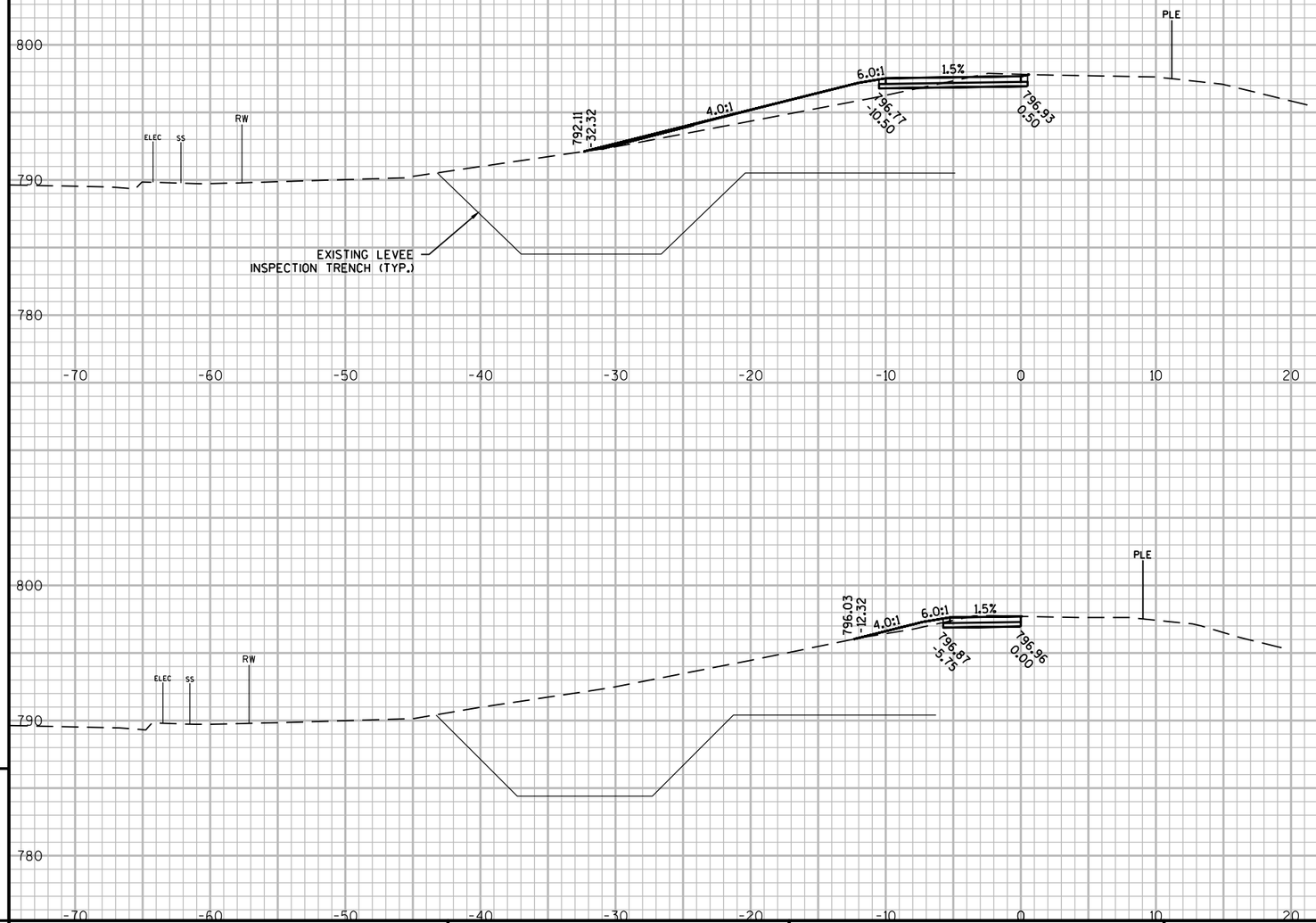
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: LEVEE TRAIL CONNECTION 2	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_LEVEE TRAILS.DWG
LAYOUT NAME - SECTION SHEET - (13)

PLOT DATE : 4/29/2020 8:06 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

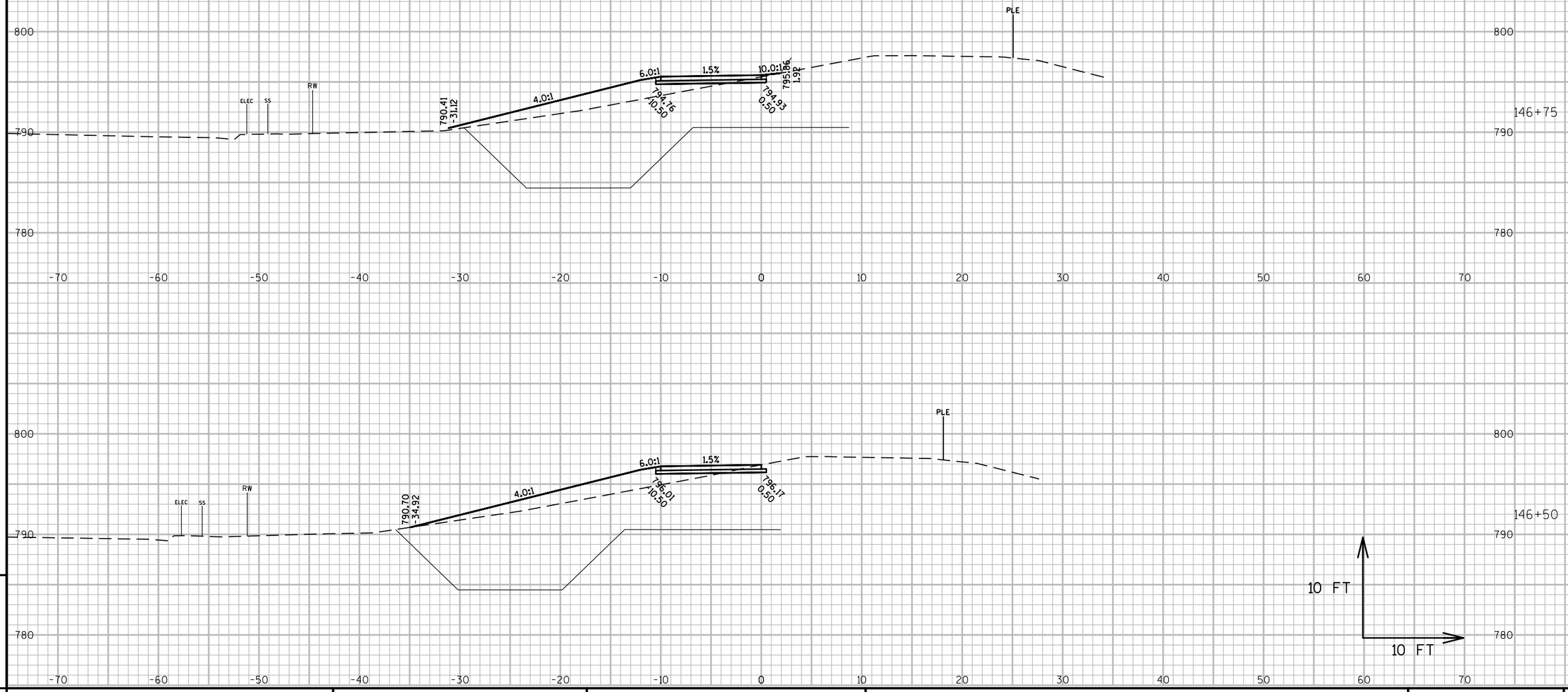


9

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: LEVEE TRAIL CONNECTION 3	SHEET	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_LEVEE TRAILS.DWG
LAYOUT NAME - SECTION SHEET - (14)

PLOT DATE : 4/29/2020 8:06 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT



9

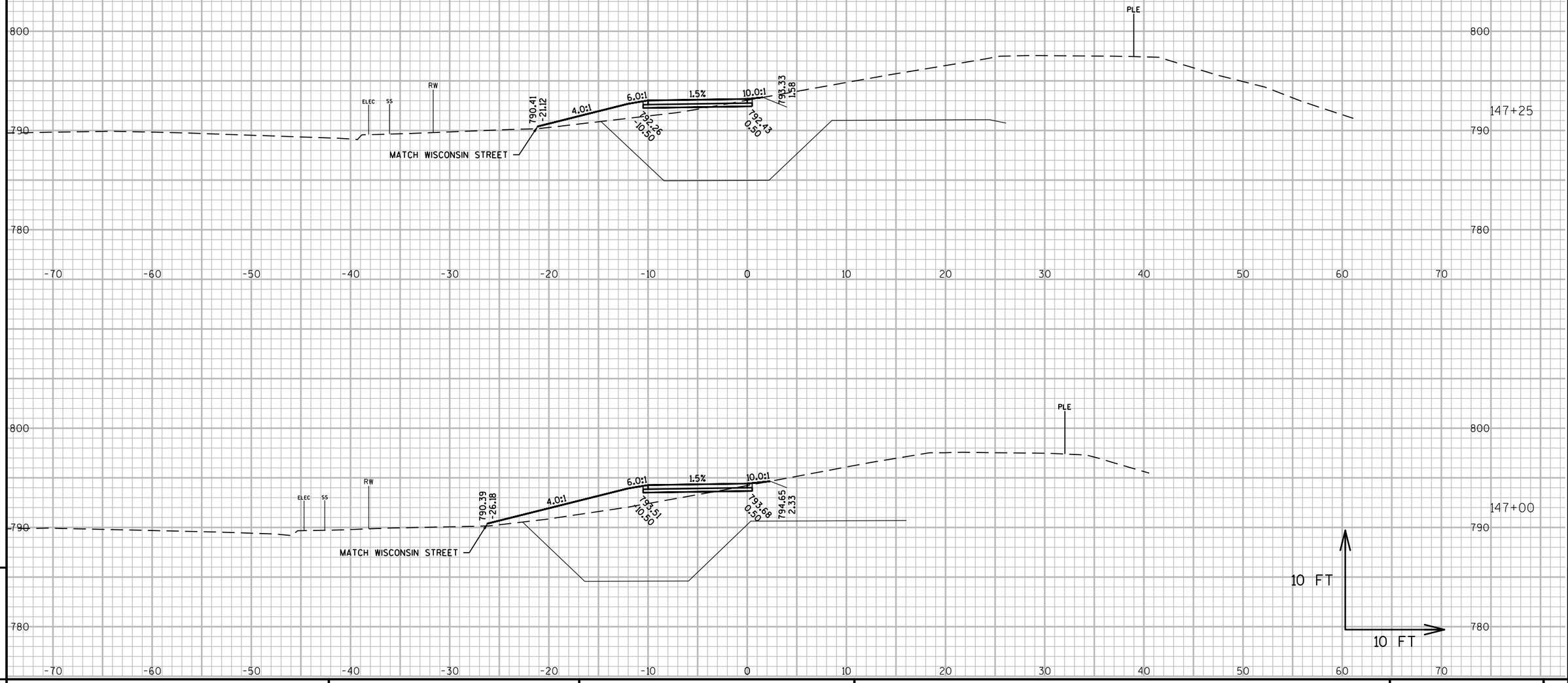
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: LEVEE TRAIL CONNECTION 3	SHEET 570	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_LEVEE TRAILS.DWG
LAYOUT NAME - SECTION SHEET - (15)

PLOT DATE : 4/29/2020 8:06 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

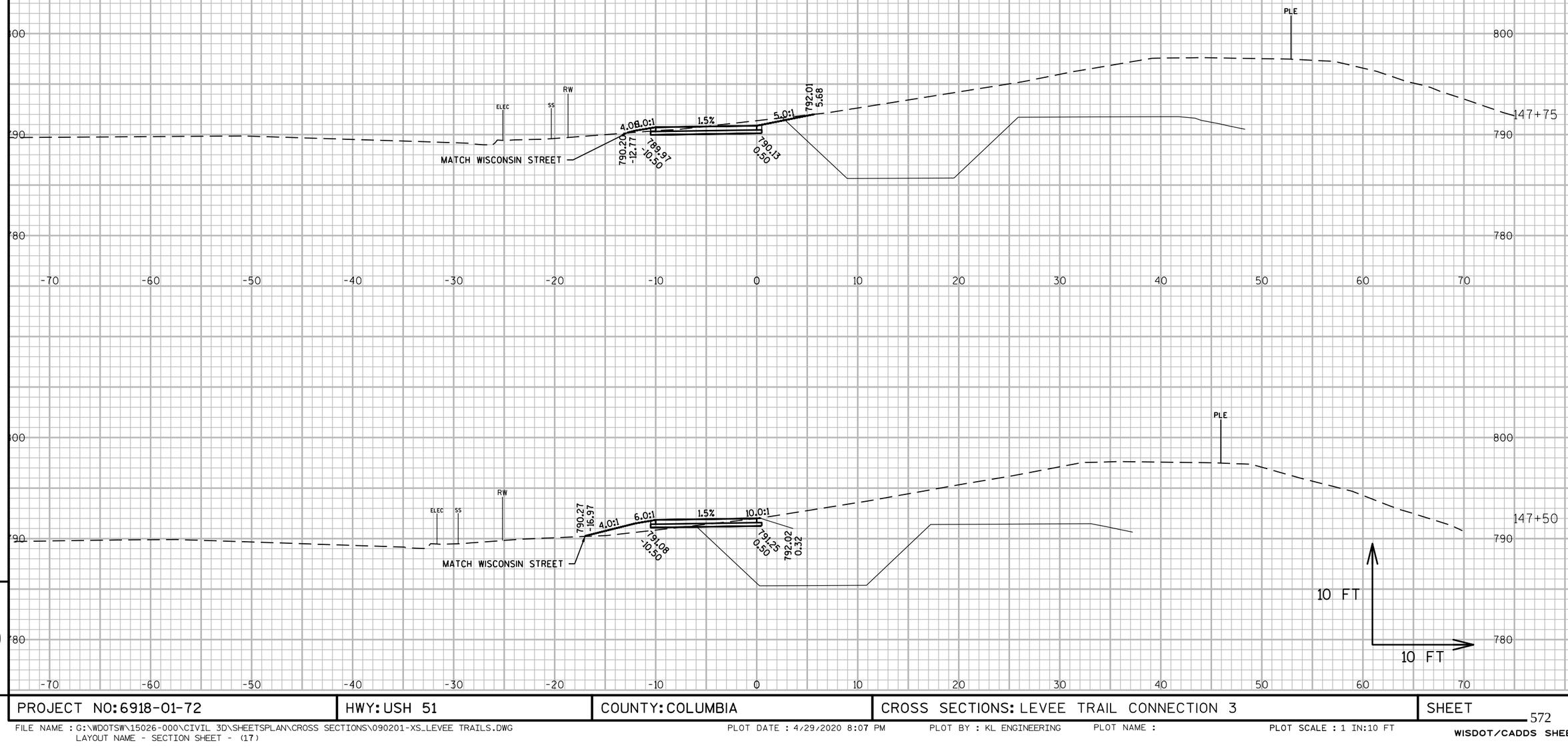
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: LEVEE TRAIL CONNECTION 3	SHEET 571	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_LEVEE TRAILS.DWG
LAYOUT NAME - SECTION SHEET - (16)

PLOT DATE : 4/29/2020 8:06 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

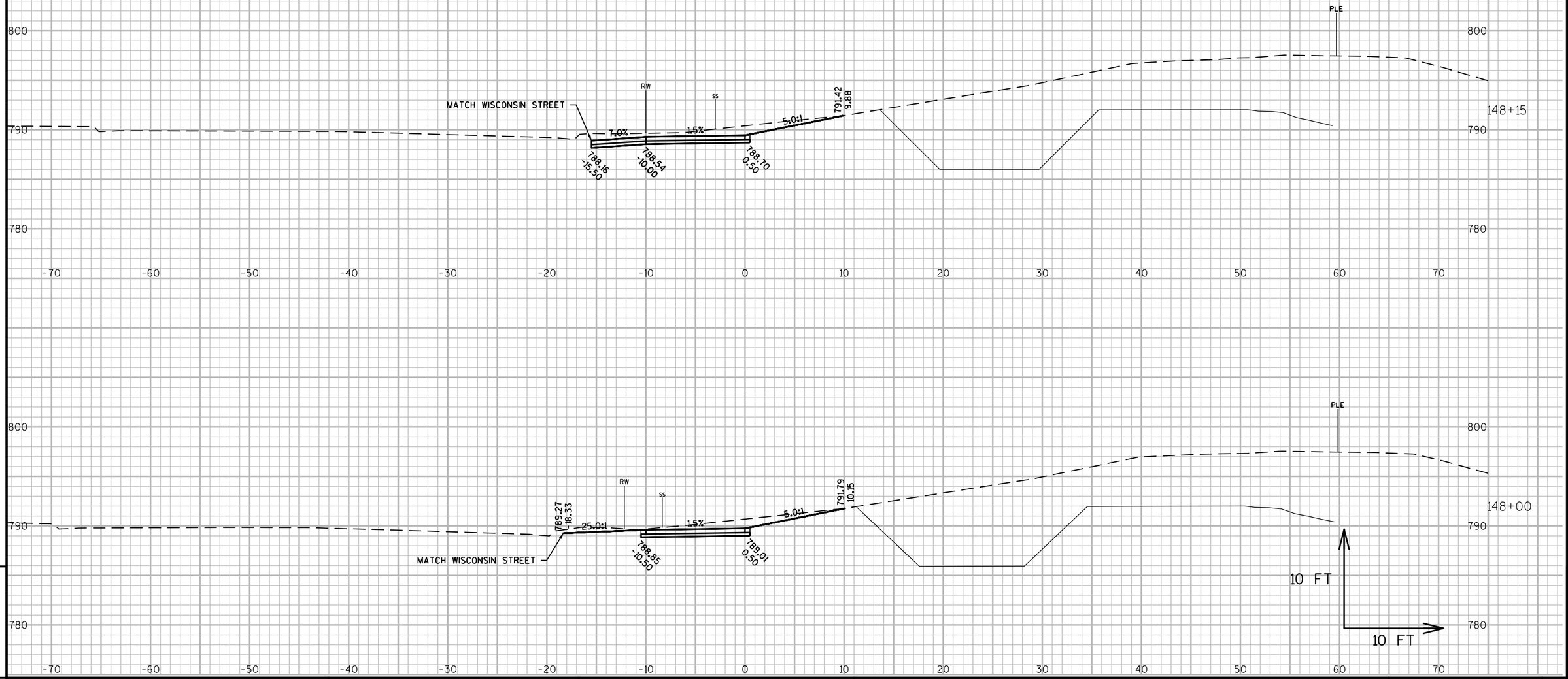
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PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: LEVEE TRAIL CONNECTION 3	SHEET 572	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_LEVEE TRAILS.DWG
LAYOUT NAME - SECTION SHEET - (17)

PLOT DATE : 4/29/2020 8:07 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6918-01-72	HWY: USH 51	COUNTY: COLUMBIA	CROSS SECTIONS: LEVEE TRAIL CONNECTION 3	SHEET 573	E

FILE NAME : G:\WDOTSW\15026-000\CIVIL 3D\SHEETSPLAN\CROSS SECTIONS\090201-XS_LEVEE TRAILS.DWG
LAYOUT NAME - SECTION SHEET - (18)

PLOT DATE : 4/29/2020 8:07 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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